



European Communications Office (ECO)



**ECO REPORT 03**

**THE LICENSING OF "MOBILE BANDS" IN CEPT**

**03 July 2018**

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**EXECUTIVE SUMMARY**

This ECO Report presents the most recent information available to the European Communications Office (ECO) on the licensing of the following frequency bands in CEPT countries:

- 694-790 MHz
- 790-862 MHz
- 880-915 MHz / 925-960 MHz
- 1452-1492 MHz / 1492-1518 MHz
- 1452-1492 MHz
- 1710-1785 MHz / 1805-1880 MHz
- 1900-1980 MHz / 2010-2025 MHz / 2110-2170 MHz
- 2300-2400 MHz
- 2500-2690 MHz
- 3400-3600 MHz / 3600-3800 MHz

The information in this ECO Report is updated via the EFIS database by the CEPT administrations directly.

## INTRODUCTION

This ECO Report presents the most recent information available to the European Communications Office (ECO) on the licensing of the following mobile frequency bands in CEPT countries:

- 694-790 MHz
- 790-862 MHz
- 880-915 MHz / 925-960 MHz
- 1452-1492 MHz and 1492-1518 MHz
- 1452-1492 MHz
- 1710-1785 MHz / 1805-1880 MHz
- 1900-1980 MHz / 2010-2025 MHz / 2110-2170 MHz
- 2300-2400 MHz
- 2500-2690 MHz
- 3400-3600 MHz / 3600-3800 MHz

The frequency bands listed above are regarded in this ECO Report as 'mobile' since they are used for mobile systems like GSM or UMTS in many CEPT countries. However, this report does not designate these bands to mobile systems, and it does not establish any priority of mobile systems over any other systems or applications which may be deployed in these bands.

The information in this ECO Report was available for the first time in July 1998 on the ECO website (previously ERO website) as 'ERO information document on GSM Frequency Utilisation within Europe'. In that document information collected from administrations and operators concerning the frequency sub-bands licensed to GSM operators in the 900 (890-915 / 935-960 MHz) and 1800 MHz (1710-1785 / 1805-1880 MHz) bands was presented. In March 2000, information on the utilisation of the so called 'E-GSM' band (880-890 / 925-935 MHz) was added to the ERO document.

In December 2005, similar ERO document was created for IMT-2000/UMTS. It dealt with the utilisation of the 2 GHz (1900-1980 MHz, 2010-2025 MHz and 2110-2170 MHz) and 2.6 GHz (2500-2690 MHz) frequency bands and contained information about operators and their licensed frequency blocks (both FDD and TDD) for the 2 GHz band and the actual (on the time of its publication) utilisation of 2.6 GHz frequency band.

In May 2008, following the decision of the 29th ECC PT1 meeting (14-16 May 2008, Dublin, Ireland), the two documents on GSM and UMTS were merged into 'ERO document on the use of mobile bands' where information on the used technologies in specific frequency bands became optional. Since then, the document has been updated once a year on the basis of the information collected from CEPT administrations in response to the regular ECO circular letter.

The 26th ECC meeting (21-25 June 2010, Baden, Switzerland) reviewed the status of this document based on the information provided by ECC PT1 and decided that it should be maintained as an ECO Report and that the title of the document should be aligned with its content. The 36th ECC PT1 meeting (14-16 September 2010, Tallinn, Estonia) endorsed the proposal from the Office to rename the document "ECO Report on the Licensing of 'Mobile Bands' in CEPT". Since 2015, the ECO Report 03 is directly updated via the EFIS database.

Moreover, please note that the current ECO Report 03 also contains licensing information on the bands 1900-1920 MHz and 2010-2025 MHz which are no longer part of the CEPT regulatory framework for MFCN (these bands have been deleted in the amended ECC Decision(06)01). Nevertheless, it was agreed in 2015 to retain this information with the note that these bands are not part of the CEPT regulatory framework for MFCN anymore and the list of licenses is only provided for information. This information is kept for the time being as a useful reference and can be removed from the ECO Report 03 once these licenses have expired. No new license information is expected to be added for these bands.

Annex 1 of this ECO Report contains the most recent national information available to the ECO on the licensing of the mobile frequency bands listed above.

Annex 2 of this ECO Report contains templates for various mobile frequency bands which should be used by administrations for submitting national information to the ECO.

**ANNEX 1: NATIONAL INFORMATION ON THE LICENSING OF MOBILE BANDS**

The frequency ranges provided in the following tables are assumed to be described with channel edges and not center frequencies.





Information is given for the following countries :

Albania (2017)	Liechtenstein (2016)
Andorra (2013)	Lithuania (2017)
Austria (2014)	Luxembourg (2015)
Azerbaijan (2017)	Macedonia (FYROM) (2017)
Belarus (2018)	Malta (2018)
Belgium (2017)	Moldova (2016)
Bosnia and Herzegovina (2017)	Montenegro (2017)
Bulgaria (2016)	Netherlands (2017)
Croatia (2016)	Norway (2017)
Cyprus (2015)	Poland (2017)
CzechRepublic (2017)	Portugal (2017)
Denmark (2017)	Romania (2014)
Estonia (2018)	Russian Federation (2016)
Finland (2018)	Serbia (2017)
France (2016)	Slovakia (2017)
Georgia (2017)	Slovenia (2017)
Germany (2017)	Spain (2017)
Greece (2017)	Sweden (2014)
Hungary (2018)	Switzerland (2016)
Iceland (2018)	Turkey (2016)
Ireland (2017)	Ukraine (2010)
Italy (2017)	United Kingdom (2018)
Latvia (2018)	

Albania (2017)





**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Plus Communication	926.9 - 934.9 MHz (DL) 881.9 - 889.9 MHz (UL)	GSM	GSM	National Coverage	Start: 01-06-2009 Expiry: 30-06-2024	
	Albanian Mobile Communications (AMC)	935.1 - 943.1 MHz (DL) 890.1 - 898.1 MHz (UL)	GSM	GSM	National Coverage	Start: 19-08-2014 Expiry: 19-08-2028	
	Eagle Mobile	943.3 - 951.3 MHz (DL) 898.3 - 906.3 MHz (UL)	GSM	GSM	National Coverage	Start: 01-01-2008 Expiry: 31-12-2019	
	Vodafone Albania	951.9 - 959.9 MHz (DL) 906.9 - 914.9 MHz (UL)	GSM	GSM	National Coverage	Start: 01-01-2017 Expiry: 31-12-2032	


**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Eagle Mobile	1805.1 - 1814.1 MHz (DL) 1710.1 - 1719.7 MHz (UL)	GSM	GSM	National Coverage	Start: 01-01-2008 Expiry: 31-12-2019	
	Albanian Mobile Communications (AMC)	1814.9 - 1823.9 MHz (DL) 1719.9 - 1728.9 MHz (UL)	GSM	GSM	National Coverage	Start: 19-08-2014 Expiry: 19-08-2028	
	Plus Communication	1824.1 - 1833.1 MHz (DL) 1729.1 - 1738.1 MHz (UL)	GSM	GSM	National Coverage	Start: 01-06-2009 Expiry: 30-06-2024	
	Vodafone Albania	1845.7 - 1854.7 MHz (DL) 1750.7 - 1759.7 MHz (UL)	GSM	GSM	National Coverage	Start: 01-01-2017 Expiry: 31-12-2032	


**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Albania	1900 - 1905 MHz	IMT	TDD	National Coverage	Start: 01-12-2010 Expiry: 31-12-2025	

**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)


	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Albania	2110.3 - 2125.3 MHz (DL) 1920.3 - 1935.3 MHz (UL)	IMT	FDD	National Coverage	Start: 01-12-2010 Expiry: 31-12-2025	



## Andorra (2013)


**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Serveis de Telecomunicacions d'Andorra	791 - 821 MHz (DL) 832 - 862 MHz (UL)	IMT	LTE	National Coverage	Expiry: 01-01-2099 Tradeable	Unlimited/licence duration


**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Serveis de Telecomunicacions d'Andorra	925 - 960 MHz (DL) 880 - 915 MHz (UL)	IMT	GSM/UMTS	National Coverage	Expiry: 01-01-2099 Tradeable	Unlimited/licence duration


**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Serveis de Telecomunicacions d'Andorra	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	IMT	GSM/LTE	National Coverage	Expiry: 01-01-2099 Tradeable	Unlimited/licence duration


**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Serveis de Telecomunicacions d'Andorra	1900.1 - 1920.1 MHz	IMT	UMTS-TDD (not deployed)	National Coverage	Expiry: 01-01-2099 Tradeable	Unlimited/licence duration


**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Serveis de Telecomunicacions d'Andorra	2110.5 - 2169.7 MHz (DL) 1920.5 - 1979.7 MHz (UL)	IMT	UMTS FDD/LTE	National Coverage	Expiry: 01-01-2099 Tradeable	Unlimited/licence duration


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Serveis de Telecomunicacions d'Andorra	2620 - 2690 MHz (DL) 2500 - 2570 MHz (UL)	IMT	UMTS / LTE	National Coverage	Expiry: 01-01-2100 Tradeable	Unlimited/licence duration

**3.5 GHz Band**



3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Serveis de Telecomunicacions d'Andorra	3400 - 3600 MHz	IMT	UMTS / FDD (not deployed)	National Coverage	Expiry: 01-01-2100 Tradeable	Unlimited/licence duration

**Austria (2014)**






**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Telekom Austria Aktiengesellschaft	791 - 811 MHz (DL) 832 - 852 MHz (UL)	Digital cellular		National Coverage	Start: 19-11-2013 Expiry: 31-12-2029 Tradeable	
	T-Mobile Austria GmbH	811 - 821 MHz (DL) 852 - 862 MHz (UL)	Digital cellular		National Coverage	Start: 19-11-2013 Expiry: 31-12-2029 Tradeable	


**900 MHz Mobile Band**















880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T-Mobile Austria GmbH	925 - 930 MHz (DL) 880 - 885 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2018 Expiry: 31-12-2034 Tradeable	
	T-Mobile Austria GmbH	930 - 940 MHz (DL) 885 - 895 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2034 Tradeable	
	Hutchison Drei Austria GmbH	940 - 945 MHz (DL) 895 - 900 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2034 Tradeable	
	A1 Telekom Austria Aktiengesellschaft	945 - 955 MHz (DL) 900 - 910 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2034 Tradeable	
	A1 Telekom Austria Aktiengesellschaft	955 - 960 MHz (DL) 910 - 915 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2018 Expiry: 31-12-2034 Tradeable	

**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T-Mobile Austria GmbH	1805 - 1825 MHz (DL) 1710 - 1730 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2020 Expiry: 31-12-2034	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	A1 Telekom Austria Aktiengesellschaft	1805 - 1817.7 MHz (DL) 1710 - 1722.7 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2019 Tradeable	
	T-Mobile Austria GmbH	1817.7 - 1819.9 MHz (DL) 1722.7 - 1724.9 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2019 Tradeable	
	T-Mobile Austria GmbH	1819.9 - 1826.4 MHz (DL) 1724.9 - 1731.4 MHz (UL)	Digital cellular		National Coverage	Start: 29-07-2014 Expiry: 31-12-2019 Tradeable	
	T-Mobile Austria GmbH	1819.9 - 1826.3 MHz (DL) 1724.9 - 1731.3 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2019 Tradeable	
	Hutchison Drei Austria GmbH	1825 - 1845 MHz (DL) 1730 - 1750 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2020 Expiry: 31-12-2034 Tradeable	
	A1 Telekom Austria Aktiengesellschaft	1826.3 - 1830 MHz (DL) 1731.3 - 1735 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2018 Expiry: 31-12-2019 Tradeable	
	T-Mobile Austria GmbH	1830 - 1839.1 MHz (DL) 1735 - 1744.1 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2018 Expiry: 31-12-2019 Tradeable	
	T-Mobile Austria GmbH	1839.1 - 1842.7 MHz (DL) 1744.1 - 1747.7 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2019 Tradeable	
	T-Mobile Austria GmbH	1842.7 - 1845.5 MHz (DL) 1747.7 - 1750.5 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2019 Tradeable	
	A1 Telekom Austria Aktiengesellschaft	1845 - 1880 MHz (DL) 1750 - 1785 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2020 Expiry: 31-12-2034 Tradeable	
	T-Mobile Austria GmbH	1845.5 - 1850.1 MHz (DL) 1750.5 - 1755.1 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2016 Expiry: 31-12-2019 Tradeable	
	Hutchison Drei Austria GmbH	1850.1 - 1855 MHz (DL) 1755.1 - 1760 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2018 Expiry: 31-12-2019 Tradeable	
	A1 Telekom Austria Aktiengesellschaft	1855 - 1865 MHz (DL) 1760 - 1770 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2018 Expiry: 31-12-2019 Tradeable	
	Hutchison Drei Austria GmbH	1865 - 1880 MHz (DL) 1770 - 1785 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2018 Expiry: 31-12-2019	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	









**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Telekom Austria Aktiengesellschaft	1900.1 - 1910.1 MHz	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	T-Mobile Austria GmbH	1910.1 - 1915.1 MHz	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	Hutchison Drei Austria GmbH	1915.1 - 1920.1 MHz	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	


**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Telekom Austria Aktiengesellschaft	2110.3 - 2120.1 MHz (DL) 1920.3 - 1930.1 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	A1 Telekom Austria Aktiengesellschaft	2120.1 - 2124.9 MHz (DL) 1930.1 - 1934.9 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	3G Mobile Telecommunications GmbH	2124.9 - 2129.9 MHz (DL) 1934.9 - 1939.9 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	Hutchison Drei Austria GmbH	2129.9 - 2134.9 MHz (DL) 1939.9 - 1944.9 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	Hutchison Drei Austria GmbH	2134.9 - 2144.7 MHz (DL) 1944.9 - 1954.7 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	Hutchison Drei Austria GmbH	2144.7 - 2149.7 MHz (DL) 1954.7 - 1959.7 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	Hutchison Drei Austria GmbH	2149.7 - 2154.7 MHz (DL) 1959.7 - 1964.7 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	
	T-Mobile Austria GmbH	2154.7 - 2169.7 MHz (DL) 1964.7 - 1979.7 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	






**2 GHz Mobile Band**

2010-2025 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T-Mobile Austria GmbH	2019.9 - 2024.7 MHz	Digital cellular		National Coverage	Expiry: 31-12-2020 Tradeable	



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Telekom Austria Aktiengesellschaft	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2026 Tradeable	
	T-Mobile Austria GmbH	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2026 Tradeable	
	A1 Telekom Austria Aktiengesellschaft	2660 - 2665 MHz (DL) 2540 - 2545 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2026 Tradeable	
	Hutchison Drei Austria GmbH	2665 - 2670 MHz (DL) 2545 - 2550 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2026 Tradeable	
	Hutchison Drei Austria GmbH	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	Digital cellular		National Coverage	Expiry: 31-12-2026 Tradeable	




**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Hutchison Drei Austria GmbH	2570 - 2595 MHz	Digital cellular		National Coverage	Expiry: 31-12-2026 Tradeable	
	A1 Telekom Austria Aktiengesellschaft	2595 - 2620 MHz	Digital cellular		National Coverage	Expiry: 31-12-2026 Tradeable	

**3.5 GHz Band**















3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Russmedia IT GmbH	3510 - 3545 MHz (DL) 3410 - 3445 MHz (UL)	Digital cellular		Regional/local coverage Region j	Expiry: 31-12-2019 Tradeable	
	available	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region l	Tradeable	
	available	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region i	Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	available	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region k	Tradeable	
	available	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region r	Tradeable	
	available	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region q	Tradeable	
	available	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region m	Tradeable	
	LinzNet Internet Service Provider GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region c	Expiry: 31-12-2019 Tradeable	
	B.net Burgenland Telekom GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region d	Expiry: 31-12-2019 Tradeable	
	Peter Rauter GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region g	Expiry: 31-12-2019 Tradeable	
	Peter Rauter GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region f	Expiry: 31-12-2019 Tradeable	
	Peter Rauter GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region o	Expiry: 31-12-2019 Tradeable	
	LinzNet Internet Service Provider GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region b	Expiry: 31-12-2019 Tradeable	
	Salzburg AG	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region n	Expiry: 31-12-2019 Tradeable	
	Salzburg AG	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region p	Expiry: 31-12-2019 Tradeable	
	B.net Burgenland Telekom GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region e	Expiry: 31-12-2019 Tradeable	
	Peter Rauter GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region h	Expiry: 31-12-2019 Tradeable	
	EVN Netz GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region a	Expiry: 31-12-2019 Tradeable	
	NETcompany - WLAN Internet Provider GmbH	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	Digital cellular		Regional/local coverage Region m	Start: 01-07-2014 Expiry: 31-12-2019 Tradeable	
	available	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region r	Tradeable	
	available	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region q	Tradeable	
	available	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region m	Tradeable	


	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	available	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region l	Tradeable	
	available	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region k	Tradeable	
	available	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region h	Tradeable	
	Salzburg AG	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region n	Expiry: 31-12-2019 Tradeable	
	Otto M. Steinmann e.U.	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region i	Expiry: 31-12-2019 Tradeable	
	Otto M. Steinmann e.U.	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region d	Expiry: 31-12-2019 Tradeable	
	Otto M. Steinmann e.U.	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region c	Expiry: 31-12-2019 Tradeable	
	Otto M. Steinmann e.U.	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region b	Expiry: 31-12-2019 Tradeable	
	Otto M. Steinmann e.U.	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region a	Expiry: 31-12-2019 Tradeable	
	EVN Netz GmbH	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region f	Expiry: 31-12-2019 Tradeable	
	Salzburg AG	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region o	Expiry: 31-12-2019 Tradeable	
	Salzburg AG	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region p	Expiry: 31-12-2019 Tradeable	
	LinzNet Internet Service Provider GmbH	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region g	Expiry: 31-12-2019 Tradeable	
	B.net Burgenland Telekom GmbH	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region e	Expiry: 31-12-2019 Tradeable	
	NETcompany - WLAN Internet Provider GmbH	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Digital cellular		Regional/local coverage Region m	Start: 01-07-2014 Expiry: 31-12-2019 Tradeable	
	Russmedia IT GmbH	3552 - 3594 MHz (DL) 3452 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region j	Expiry: 31-12-2019 Tradeable	
	available	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region i	Tradeable	
	available	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region h	Tradeable	
	LinzNet Internet Service Provider GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region c	Expiry: 31-12-2019 Tradeable	



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	LinzNet Internet Service Provider GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region b	Expiry: 31-12-2019 Tradeable	
	WESTNET Telekommunikations- und Informationsdienstleistungs GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region e	Expiry: 31-12-2019 Tradeable	
	B.net Burgenland Telekom GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region d	Expiry: 31-12-2019 Tradeable	
	LinzNet Internet Service Provider GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region g	Expiry: 31-12-2019 Tradeable	
	EVN Netz GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region a	Expiry: 31-12-2019 Tradeable	
	NETcompany - WLAN Internet Provider GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region m	Expiry: 31-12-2019 Tradeable	
	NETcompany - WLAN Internet Provider GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region n	Expiry: 31-12-2019 Tradeable	
	NETcompany - WLAN Internet Provider GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region q	Expiry: 31-12-2019 Tradeable	
	Camyno GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region p	Expiry: 31-12-2019 Tradeable	
	EVN Netz GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region f	Expiry: 31-12-2019 Tradeable	
	Camyno GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region r	Expiry: 31-12-2019 Tradeable	
	Salzburg AG	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region o	Expiry: 31-12-2019 Tradeable	
	NETcompany - WLAN Internet Provider GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region k	Expiry: 31-12-2019 Tradeable	
	WESTNET Telekommunikations- und Informationsdienstleistungs GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	Digital cellular		Regional/local coverage Region l	Expiry: 31-12-2019 Tradeable	

**3.7 GHz Band**







3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	available	3600 - 3800 MHz	Digital cellular		National Coverage	Tradeable	

## Azerbaijan (2017)




## 3.5 GHz Band

3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telecom Operator	3404 - 3437 MHz	BWA	WLL services	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited
	Telecom Operator	3446 - 3507 MHz	BWA	WLL services	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited
	AzQTel	3507 - 3535 MHz	MFCN	WiMax	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited
	AzQTel	3535 - 3549 MHz	MFCN	WiMax	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited
	AzQTel	3549 - 3577 MHz	MFCN	WiMax	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited
	AzQTel	3577 - 3591 MHz	MFCN	WiMax	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited

## 3.7 GHz Band


3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	AzQTel	3591 - 3621 MHz	MFCN	WiMax	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited
	AzQTel	3621 - 3635 MHz	MFCN	WiMax	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited
	AzQTel	3635 - 3649 MHz	MFCN	WiMax	National Coverage	Start: 01-09-2008 Expiry: 01-01-2099 Tradeable	Unlimited

## Belarus (2018)








## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vacant	791 - 821 MHz (DL) 832 - 862 MHz (UL)		LM-MFCN-IMT after phasing out of ARNS systems		Start: 01-03-2017 Expiry: 31-12-2099	Awaiting of a decision of State Commission for Radio Frequencies



## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	LLC "Mobile TeleSystems"	925.2 - 927 MHz (DL) 880.2 - 882 MHz (UL)	GSM		National Coverage	Start: 01-03-2017 Expiry: 31-12-2020	Permanent licence
	LLC "Mobile TeleSystems"	932.6 - 937.4 MHz (DL) 887.6 - 892.4 MHz (UL)	MFCN	UMTS	National Coverage	Start: 01-03-2017 Expiry: 31-12-2020	Permanent licence
	LLC "Mobile TeleSystems"	937.2 - 939.8 MHz (DL) 892.2 - 894.8 MHz (UL)	GSM		National Coverage	Start: 01-03-2017 Expiry: 31-12-2020	Permanent licence
	FE "velcom"	940.2 - 944.6 MHz (DL) 895.2 - 899.6 MHz (UL)	GSM	GSM	National Coverage	Start: 01-03-2017 Expiry: 31-12-2020	Permanent licence
	CJSC "BeST"	945 - 950.4 MHz (DL) 900 - 905.4 MHz (UL)	GSM		National Coverage	Start: 01-03-2017 Expiry: 30-09-2021	Permanent licence
	FE "velcom"	952.8 - 957.6 MHz (DL) 907.8 - 912.6 MHz (UL)	MFCN		National Coverage	Start: 01-03-2017 Expiry: 31-12-2020	Permanent licence
	CJSC "BeST"	958 - 959.8 MHz (DL) 913 - 914.8 MHz (UL)	GSM		National Coverage	Start: 01-03-2017 Expiry: 30-09-2021	Permanent licence


## 1800 MHz Mobile Band

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	BeCloud (Belarussian Cloud Technology)	1805 - 1825 MHz (DL) 1710 - 1730 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-03-2017 Expiry: 01-05-2021	Permanent licence
	CJSC "BeST"	1830.2 - 1839.8 MHz (DL) 1735.2 - 1744.8 MHz (UL)	GSM		National Coverage	Start: 01-03-2017 Expiry: 28-08-2018	Permanent licence





**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vacant	1900 - 1920 MHz	-	UTRA TDD	National Coverage	Start: 01-03-2017 Expiry: 31-12-2099	Awaiting of a decision of State Commission for Radio Frequencies



**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	FE "velcom"	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	IMT	UTRA FDD	National Coverage	Start: 01-03-2017 Expiry: 31-12-2020	
	CJSC "BeST"	2125 - 2130 MHz (DL) 1935 - 1940 MHz (UL)	IMT	UTRA FDD	National Coverage	Start: 01-03-2017 Expiry: 01-06-2020	
	LLC "Mobile TeleSystems"	2135 - 2150 MHz (DL) 1945 - 1960 MHz (UL)	IMT	UTRA FDD	National Coverage	Start: 01-03-2017 Expiry: 31-12-2020	
	CJSC "BeST"	2155 - 2160 MHz (DL) 1965 - 1970 MHz (UL)	IMT	UTRA FDD	National Coverage	Start: 01-03-2017 Expiry: 01-06-2020	


**2 GHz Mobile Band**

2010-2025 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vacant	2010 - 2025 MHz	-	UTRA TDD			Awaiting of a decision of State Commission for Radio Frequencies
	Vacant	2010 - 2025 MHz		UTRA FDD	National Coverage	Start: 01-03-2017 Expiry: 31-12-2099	Awaiting of a decision of State Commission for Radio Frequencies


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	CJSC "BeST"	2650 - 2685 MHz (DL) 2530 - 2565 MHz (UL)	MFCN	LTE FDD	National Coverage	Start: 01-03-2017 Expiry: 01-05-2021	Permanent licence


**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vacant	2570 - 2620 MHz	-	LTE TDD	National Coverage	Start: 01-03-2017 Expiry: 31-12-2099	Awaiting of a decision of State Commission for Radio Frequencies

**3.7 GHz Band**




3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vacant	3600 - 3800 MHz			National Coverage	Start: 01-03-2017 Expiry: 31-12-2099	Awaiting a decision of State Commission for Radio Frequencies - Regional or National coverage

## Belgium (2017)






## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telenet Group	791 - 801 MHz (DL) 832 - 842 MHz (UL)	BWA		National Coverage	Expiry: 30-11-2033 Tradeable	
	Proximus	801 - 811 MHz (DL) 842 - 852 MHz (UL)	BWA		National Coverage	Expiry: 30-11-2033 Tradeable	
	Orange Belgium	811 - 821 MHz (DL) 852 - 862 MHz (UL)	BWA		National Coverage	Expiry: 30-11-2033 Tradeable	




## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telenet Group	925.1 - 935.3 MHz (DL) 880.1 - 890.3 MHz (UL)	GSM	GSM/UMTS	National Coverage	Expiry: 15-03-2021 Tradeable	
	Proximus	935.3 - 941.1 MHz (DL) 890.3 - 896.1 MHz (UL)	GSM	GSM/UMTS	National Coverage	Expiry: 15-03-2021 Tradeable	
	Orange Belgium	941.3 - 946.9 MHz (DL) 896.3 - 901.9 MHz (UL)	GSM	GSM/UMTS	National Coverage	Expiry: 15-03-2021 Tradeable	
	Proximus	947.1 - 953.7 MHz (DL) 902.1 - 908.7 MHz (UL)	GSM	GSM/UMTS	National Coverage	Expiry: 15-03-2021 Tradeable	
	Orange Belgium	953.9 - 959.9 MHz (DL) 908.9 - 914.9 MHz (UL)	GSM	GSM/UMTS	National Coverage	Expiry: 15-03-2021 Tradeable	




## 1800 MHz Mobile Band

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Proximus	1805 - 1830 MHz (DL) 1710 - 1735 MHz (UL)	GSM	GSM/LTE	National Coverage	Expiry: 15-03-2021 Tradeable	
	Orange Belgium	1830 - 1855 MHz (DL) 1735 - 1760 MHz (UL)	GSM	GSM/LTE	National Coverage	Expiry: 15-03-2021 Tradeable	
	Telenet Group	1855 - 1880 MHz (DL) 1760 - 1785 MHz (UL)	GSM	GSM/LTE	National Coverage	Expiry: 15-03-2021 Tradeable	




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telenet Group	1899.9 - 1904.9 MHz	IMT		National Coverage	Expiry: 15-03-2021 Tradeable	
	Orange Belgium	1909.9 - 1914.9 MHz	IMT		National Coverage	Expiry: 15-03-2021 Tradeable	
	Proximus	1914.9 - 1920.3 MHz	IMT		National Coverage	Expiry: 15-03-2021 Tradeable	




**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Proximus	2110.3 - 2125.3 MHz (DL) 1920.3 - 1935.3 MHz (UL)	IMT	UMTS	National Coverage	Expiry: 15-03-2021 Tradeable	
	Telenet Group	2125.3 - 2140.1 MHz (DL) 1935.3 - 1950.1 MHz (UL)	IMT	UMTS	National Coverage	Expiry: 15-03-2021 Tradeable	
	Orange Belgium	2154.9 - 2169.7 MHz (DL) 1964.9 - 1979.7 MHz (UL)	IMT	UMTS	National Coverage	Expiry: 15-03-2021 Tradeable	


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Proximus	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	BWA		National Coverage	Expiry: 01-07-2027 Tradeable	
	Telenet Group	2655 - 2670 MHz (DL) 2535 - 2550 MHz (UL)	BWA		National Coverage	Expiry: 01-07-2027 Tradeable	
	Orange Belgium	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	BWA		National Coverage	Expiry: 01-07-2027 Tradeable	





**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Voyacom	2575 - 2620 MHz	BWA		National Coverage	Expiry: 01-07-2027 Tradeable	

**3.5 GHz Band**

3400-3600 MHz








	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Gridmax	3430 - 3450 MHz	BWA			Expiry: 07-03-2021 Tradeable	
	Citymesh	3430 - 3450 MHz	BWA			Expiry: 07-05-2025 Tradeable	
	Gridmax	3530 - 3550 MHz	BWA			Expiry: 07-03-2021 Tradeable	
	Citymesh	3530 - 3550 MHz	BWA			Expiry: 07-05-2025 Tradeable	



Bosnia and Herzegovina (2017)





**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telekom Srpske a.d. Banja Luka	925.3 - 928.7 MHz (DL) 880.3 - 883.7 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 23-04-2012 Expiry: 11-10-2019	E-GSM block 1
	Hrvatske Telekomunikacije d.d. Mostar	928.7 - 932.1 MHz (DL) 883.7 - 887.1 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 23-04-2012 Expiry: 11-10-2019	E-GSM block 2
	BH Telecom d.d. Sarajevo	932.1 - 935.1 MHz (DL) 887.1 - 890.1 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 23-04-2012 Expiry: 11-10-2019	E-GSM block 3
	Telekom Srpske a.d. Banja Luka	935.1 - 943.1 MHz (DL) 890.1 - 898.1 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 08-12-2010 Expiry: 11-10-2019	GSM&UMTS 900 block 1
	Hrvatske Telekomunikacije d.d. Mostar	943.1 - 951.1 MHz (DL) 898.1 - 906.1 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 08-12-2010 Expiry: 11-10-2019	GSM&UMTS 900 block 2
	BH Telecom d.d. Sarajevo	951.1 - 959.1 MHz (DL) 906.1 - 914.1 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 08-12-2010 Expiry: 11-10-2019	GSM&UMTS 900 block 3
	BH Telecom d.d. Sarajevo	959.1 - 959.5 MHz (DL) 914.1 - 914.5 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 23-04-2012 Expiry: 11-10-2019	E-GSM block 3+ (0.4MHz)




**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	BH Telecom d.d. Sarajevo	1805.1 - 1817.1 MHz (DL) 1710.1 - 1722.1 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 11-02-2005 Expiry: 11-10-2019	GSM&UMTS 1800 block 1
	Hrvatske Telekomunikacije d.d. Mostar	1822.9 - 1830.9 MHz (DL) 1727.9 - 1735.9 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 28-12-2004 Expiry: 11-10-2019	GSM&UMTS 1800 block 2
	Hrvatske Telekomunikacije d.d. Mostar	1830.9 - 1834.9 MHz (DL) 1735.9 - 1739.9 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 28-12-2004 Expiry: 11-10-2019	GSM&UMTS 1800 block 3
	Telekom Srpske a.d. Banja Luka	1842.7 - 1854.7 MHz (DL) 1747.7 - 1759.7 MHz (UL)	GSM	Land mobile / Digital cellular / GSM	National Coverage	Start: 31-12-2004 Expiry: 11-10-2019	GSM&UMTS 1800 block 4




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Hrvatske Telekomunikacije d.d. Mostar	1905 - 1910 MHz	IMT	Land mobile / Digital cellular / IMT	National Coverage	Start: 01-04-2009 Expiry: 25-03-2024	UMTS 2100 TDD block 1
	Telekom Srpske a.d. Banja Luka	1910 - 1915 MHz	IMT	Land mobile / Digital cellular / IMT	National Coverage	Start: 01-04-2009 Expiry: 25-03-2024	UMTS 2100 TDD block 2
	BH Telecom d.d. Sarajevo	1915 - 1920 MHz	IMT	Land mobile / Digital cellular / IMT	National Coverage	Start: 01-04-2009 Expiry: 25-03-2024	UMTS 2100 TDD block 3

**2 GHz Mobile Band**






1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Hrvatske Telekomunikacije d.d. Mostar	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	IMT	Land mobile / Digital cellular / IMT	National Coverage	Start: 01-04-2009 Expiry: 25-03-2024	UMTS 2100 FDD block 1
	Telekom Srpske a.d. Banja Luka	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	IMT	Land mobile / Digital cellular / IMT	National Coverage	Start: 01-04-2009 Expiry: 25-03-2024	UMTS 2100 FDD block 2
	BH Telecom d.d. Sarajevo	2155 - 2170 MHz (DL) 1965 - 1980 MHz (UL)	IMT	Land mobile / Digital cellular / IMT	National Coverage	Start: 01-04-2009 Expiry: 25-03-2024	UMTS 2100 FDD block 3

**Bulgaria (2016)**






**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Bulgaria EAD	925.1 - 926.9 MHz (DL) 880.1 - 881.9 MHz (UL)	TRA-ECS		National Coverage	Start: 08-06-1994 Expiry: 08-06-2024 Tradeable	GSM/UMTS/LTE/WiMAX
	Telenor Bulgaria EAD	927.1 - 928.9 MHz (DL) 882.1 - 883.9 MHz (UL)	TRA-ECS		National Coverage	Start: 11-01-2001 Expiry: 23-01-2021 Tradeable	GSM/UMTS/LTE/WiMAX
	Bulgarian Telecommunications Company EAD	929.1 - 940.3 MHz (DL) 884.1 - 895.3 MHz (UL)	TRA-ECS		National Coverage	Start: 07-06-2004 Expiry: 07-06-2024 Tradeable	GSM/UMTS/LTE/WiMAX
	A1 Bulgaria EAD	940.7 - 950.1 MHz (DL) 895.7 - 905.1 MHz (UL)	TRA-ECS		National Coverage	Start: 08-06-1994 Expiry: 08-06-2024 Tradeable	GSM/UMTS/LTE/WiMAX
	Telenor Bulgaria EAD	950.5 - 959.9 MHz (DL) 905.5 - 914.9 MHz (UL)	TRA-ECS		National Coverage	Start: 11-01-2001 Expiry: 23-01-2021 Tradeable	GSM/UMTS/LTE/WiMAX




**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Bulgaria EAD	1805 - 1820 MHz (DL) 1710 - 1725 MHz (UL)	TRA-ECS		National Coverage	Start: 08-06-1994 Expiry: 08-06-2024 Tradeable	GSM/UMTS/LTE/WiMAX
	Telenor Bulgaria EAD	1820 - 1835 MHz (DL) 1725 - 1740 MHz (UL)	TRA-ECS		National Coverage	Start: 11-01-2001 Expiry: 23-01-2021 Tradeable	GSM/UMTS/LTE/WiMAX
	Bulgarian Telecommunications Company EAD	1835 - 1850 MHz (DL) 1740 - 1755 MHz (UL)	TRA-ECS		National Coverage	Start: 07-06-2004 Expiry: 07-06-2024 Tradeable	GSM/UMTS/LTE/WiMAX
	Bulsatcom EAD	1850 - 1855 MHz (DL) 1755 - 1760 MHz (UL)	TRA-ECS		National Coverage	Start: 15-12-2011 Expiry: 15-12-2021 Tradeable	GSM/UMTS/LTE/WiMAX
	#.com AD	1865 - 1880 MHz (DL) 1770 - 1785 MHz (UL)	TRA-ECS		National Coverage	Start: 15-12-2011 Expiry: 15-12-2021 Tradeable	GSM/UMTS/LTE/WiMAX

**2 GHz Mobile Band**



1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telenor Bulgaria EAD	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	TRA-ECS		National Coverage	Start: 25-04-2005 Expiry: 25-04-2025 Tradeable	
	A1 Bulgaria EAD	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	TRA-ECS		National Coverage	Start: 25-04-2005 Expiry: 25-04-2025 Tradeable	
	Bulgarian Telecommunications Company EAD	2155 - 2170 MHz (DL) 1965 - 1980 MHz (UL)	TRA-ECS		National Coverage	Start: 25-04-2005 Expiry: 25-04-2025 Tradeable	

## Croatia (2016)






## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VIPnet d.o.o.	791 - 806 MHz (DL) 832 - 847 MHz (UL)	Digital cellular	LTE	National Coverage	Start: 29-10-2012 Expiry: 18-10-2024 Tradeable	extension in 2013 from 2x10 to 2x15MHz
	Hrvatski Telekom d.d.	806 - 821 MHz (DL) 847 - 862 MHz (UL)	Digital cellular	LTE	National Coverage	Start: 29-10-2012 Expiry: 18-10-2024 Tradeable	extension in 2013 from 2x10 to 2x15MHz


## 900 MHz Mobile Band





880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Tele 2 d.o.o.	925.3 - 930.3 MHz (DL) 880.3 - 885.3 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 22-12-2004 Expiry: 22-12-2024 Tradeable	extension in 2007
	Hrvatski Telekom d.d.	930.3 - 932.7 MHz (DL) 885.3 - 887.7 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 17-09-2009 Expiry: 18-10-2024 Tradeable	
	VIPnet d.o.o.	932.7 - 940.9 MHz (DL) 887.7 - 895.9 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 01-07-2009 Expiry: 18-10-2024 Tradeable	
	Hrvatski Telekom d.d.	941.1 - 953.1 MHz (DL) 896.1 - 908.1 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 17-09-2009 Expiry: 18-10-2024 Tradeable	
	VIPnet d.o.o.	953.3 - 959.5 MHz (DL) 908.3 - 914.5 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 01-07-2009 Expiry: 18-10-2024 Tradeable	

## 1800 MHz Mobile Band




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Tele 2 d.o.o.	1805.1 - 1825.1 MHz (DL) 1710.1 - 1730.1 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 22-12-2004 Expiry: 22-12-2024	extension in 2014 from 2x12 to 2x20MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Hrvatski Telekom d.d.	1825.1 - 1845.1 MHz (DL) 1730.1 - 1750.1 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 17-09-2009 Expiry: 18-10-2024 Tradeable	extension in 2011 from 2x8.4 to 2x20MHz
	Tele 2 d.o.o.	1845.1 - 1852.1 MHz (DL) 1750.1 - 1757.1 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 22-12-2004 Expiry: 22-12-2024 Tradeable	extension in 2014
	VIPnet d.o.o.	1852.1 - 1869.9 MHz (DL) 1757.1 - 1774.9 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 01-07-2009 Expiry: 18-10-2024 Tradeable	extension 2x10MHz in 2011; extension in 2015 from 2x10 to 2x17.8MHz
	Hrvatski Telekom d.d.	1869.9 - 1879.9 MHz (DL) 1774.9 - 1784.9 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 17-09-2009 Expiry: 18-10-2024 Tradeable	extension in 2014



**2 GHz Mobile Band**


1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Hrvatski Telekom d.d.	1900 - 1905 MHz	Digital cellular	UMTS	National Coverage	Start: 18-10-2004 Expiry: 18-10-2024 Tradeable	
	Tele 2 d.o.o.	1905 - 1910 MHz	Digital cellular	UMTS	National Coverage	Start: 22-12-2004 Expiry: 22-12-2024 Tradeable	
	VIPnet d.o.o.	1910 - 1915 MHz	Digital cellular	UMTS	National Coverage	Start: 18-10-2004 Expiry: 18-10-2024 Tradeable	

**2 GHz Mobile Band**



1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Hrvatski Telekom d.d.	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	Digital cellular	UMTS	National Coverage	Start: 18-10-2004 Expiry: 18-10-2024 Tradeable	
	Tele 2 d.o.o.	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	Digital cellular	UMTS	National Coverage	Start: 22-12-2004 Expiry: 22-12-2024 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VIPnet d.o.o.	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	Digital cellular	UMTS	National Coverage	Start: 18-10-2004 Expiry: 18-10-2024 Tradeable	

### 3.5 GHz Band



3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	NOVI-NET TELEKOMUNIKACIJE d.o.o.	3510 - 3524 MHz (DL) 3410 - 3424 MHz (UL)	BWA	WiMAX	Regional/local coverage Varazdin and Medimurje county	Start: 04-11-2015 Expiry: 04-11-2023 Tradeable	
	NOVI-NET TELEKOMUNIKACIJE d.o.o.	3527.5 - 3548.5 MHz (DL) 3427.5 - 3448.5 MHz (UL)	BWA	WiMAX	Regional/local coverage Varazdin and Medimurje county	Start: 04-11-2015 Expiry: 04-11-2023 Tradeable	

## Cyprus (2015)




**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MTN Cyprus Limited	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS		National Coverage	Start: 05-09-2016 Expiry: 05-09-2028 Tradeable	
	cyta	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS		National Coverage	Start: 05-09-2016 Expiry: 05-09-2028 Tradeable	




**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Primetel PLC	925 - 935 MHz (DL) 880 - 890 MHz (UL)	TRA-ECS		National Coverage	Start: 07-02-2014 Expiry: 07-02-2029 Tradeable	
	MTN Cyprus Limited	935.2 - 947.4 MHz (DL) 890.2 - 902.4 MHz (UL)	TRA-ECS		National Coverage	Start: 01-12-2003 Expiry: 01-12-2023 Tradeable	
	cyta	947.6 - 959.8 MHz (DL) 902.6 - 914.8 MHz (UL)	TRA-ECS		National Coverage	Start: 27-02-2004 Expiry: 27-02-2024 Tradeable	

**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	cyta	1805.2 - 1830 MHz (DL) 1710.2 - 1735 MHz (UL)	TRA-ECS		National Coverage	Start: 27-02-2004 Expiry: 27-02-2024 Tradeable	
	MTN Cyprus Limited	1830.2 - 1855 MHz (DL) 1735.2 - 1760 MHz (UL)	TRA-ECS		National Coverage	Start: 01-12-2003 Expiry: 01-12-2023 Tradeable	
	Primetel PLC	1855.2 - 1880 MHz (DL) 1760.2 - 1785 MHz (UL)	TRA-ECS		National Coverage	Start: 07-02-2014 Expiry: 07-02-2029	



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	



**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	cyta	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	TRA-ECS		National Coverage	Start: 27-02-2004 Expiry: 27-02-2024 Tradeable	
	MTN Cyprus Limited	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	TRA-ECS		National Coverage	Start: 01-12-2003 Expiry: 01-12-2023 Tradeable	
	Primetel PLC	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	TRA-ECS		National Coverage	Start: 07-02-2014 Expiry: 07-02-2029 Tradeable	



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MTN Cyprus Limited	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS		National Coverage	Start: 05-09-2016 Expiry: 05-09-2028 Tradeable	
	cyta	2645 - 2665 MHz (DL) 2525 - 2545 MHz (UL)	TRA-ECS		National Coverage	Start: 05-09-2016 Expiry: 05-09-2028 Tradeable	

**2.6 GHz Mobile Band**




2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MTN Cyprus Limited	2570 - 2585 MHz	TRA-ECS		National Coverage	Start: 05-09-2016 Expiry: 05-09-2028 Tradeable	
	cyta	2585 - 2600 MHz	TRA-ECS		National Coverage	Start: 05-09-2016 Expiry: 05-09-2028 Tradeable	

## CzechRepublic (2017)








## 800 MHz Mobile Band (the UHF band)










790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T- Mobile Czech Republic a.s.	791 - 801 MHz (DL) 832 - 842 MHz (UL)	Digital cellular	technology neutral, FDD	National Coverage	Start: 24-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	801 - 811 MHz (DL) 842 - 852 MHz (UL)	Digital cellular	technology neutral, FDD	National Coverage	Start: 26-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	811 - 821 MHz (DL) 852 - 862 MHz (UL)	Digital cellular	technology neutral, FDD	National Coverage	Start: 27-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights

## 900 MHz Mobile Band




880-915 MHz / 925-960 MHz (paired frequency arrangement)










	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	O2 Czech Republic a.s.	925.1 - 926.9 MHz (DL) 880.1 - 881.9 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 08-02-2016 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	926.9 - 930.5 MHz (DL) 881.9 - 885.5 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2009 Expiry: 15-01-2021 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	930.5 - 931.9 MHz (DL) 885.5 - 886.9 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 08-02-2016 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	931.9 - 933.1 MHz (DL) 886.9 - 888.1 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2009 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	933.1 - 934.9 MHz (DL) 888.1 - 889.9 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2005 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	934.9 - 935.1 MHz (DL) 889.9 - 890.1 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2009 Expiry: 15-01-2021 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	935.1 - 939.3 MHz (DL) 890.1 - 894.3 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2005 Expiry: 15-01-2021 Tradeable	conditional transfer of rights

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T- Mobile Czech Republic a.s.	939.3 - 942.1 MHz (DL) 894.3 - 897.1 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2005 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	942.1 - 944.9 MHz (DL) 897.1 - 899.9 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 08-02-2016 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	944.9 - 947.1 MHz (DL) 899.9 - 902.1 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2005 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	947.1 - 949.1 MHz (DL) 902.1 - 904.1 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 08-02-2016 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	949.1 - 951.1 MHz (DL) 904.1 - 906.1 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2005 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	951.1 - 954.3 MHz (DL) 906.1 - 909.3 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 08-02-2016 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	954.3 - 956.7 MHz (DL) 909.3 - 911.7 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2005 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	956.7 - 957.9 MHz (DL) 911.7 - 912.9 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 08-02-2016 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	957.9 - 959.9 MHz (DL) 912.9 - 914.9 MHz (UL)	TRA-ECS	technology neutral	National Coverage	Start: 01-01-2005 Expiry: 15-01-2021 Tradeable	conditional transfer of rights

**1800 MHz Mobile Band**


1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	O2 Czech Republic a.s.	1805.1 - 1805.3 MHz (DL) 1710.1 - 1710.3 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 22-09-2016 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	1805.3 - 1806.3 MHz (DL) 1710.3 - 1711.3 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 26-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	1806.3 - 1816.9 MHz (DL) 1711.3 - 1721.9 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 08-02-2016 Expiry: 22-10-2024 Tradeable	conditional transfer of rights

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	O2 Czech Republic a.s.	1816.9 - 1818.9 MHz (DL) 1721.9 - 1723.9 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 26-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	1818.9 - 1822.3 MHz (DL) 1723.9 - 1727.3 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 08-02-2016 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	1822.3 - 1824.3 MHz (DL) 1727.3 - 1729.3 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 24-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	1824.3 - 1842.3 MHz (DL) 1729.3 - 1747.3 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 01-01-2005 Expiry: 22-10-2024 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	1842.3 - 1850 MHz (DL) 1747.3 - 1755 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 22-09-2016 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	1850 - 1855 MHz (DL) 1755 - 1760 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 02-12-2016 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	1855 - 1857.9 MHz (DL) 1760 - 1762.9 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 22-09-2016 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	1857.9 - 1873.9 MHz (DL) 1762.9 - 1778.9 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 01-01-2005 Expiry: 15-01-2021 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	1875.9 - 1879.9 MHz (DL) 1780.9 - 1784.9 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 27-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T- Mobile Czech Republic a.s.	1910.1 - 1915.1 MHz	Digital cellular	IMT/UMTS, TDD	National Coverage	Start: 01-01-2005 Expiry: 22-10-2024 Tradeable	conditional transfer of rights





**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	O2 Czech Republic a.s.	2110.3 - 2130.1 MHz (DL) 1920.3 - 1940.1 MHz (UL)	Digital cellular	IMT/UMTS, FDD	National Coverage	Start: 01-01-2005 Expiry: 01-01-2022 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	2130.1 - 2149.9 MHz (DL) 1940.1 - 1959.9 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 01-01-2005 Expiry: 23-02-2025 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	2149.9 - 2169.7 MHz (DL) 1959.9 - 1979.7 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 01-01-2005 Expiry: 22-10-2024 Tradeable	conditional transfer of rights



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	O2 Czech Republic a.s.	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 26-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	T- Mobile Czech Republic a.s.	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 24-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	Vodafone Czech Republic a.s.	2660 - 2680 MHz (DL) 2540 - 2560 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 27-02-2014 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	T-Mobile Czech Republic a.s.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	technology neutral, FDD	National Coverage	Start: 15-11-2016 Expiry: 30-06-2029 Tradeable	conditional transfer of rights

**2.6 GHz Mobile Band**



2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T-Mobile Czech Republic a.s.	2570 - 2595 MHz	TRA-ECS	technology neutral, TDD	National Coverage	Start: 15-11-2016 Expiry: 30-06-2029 Tradeable	conditional transfer of rights
	O2 Czech Republic a.s.	2595 - 2620 MHz	TRA-ECS	technology neutral, TDD	National Coverage	Start: 22-09-2016 Expiry: 30-06-2029 Tradeable	conditional transfer of rights

## Denmark (2017)






## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TT-Netværket P/S	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2034 Tradeable	
	TDC A/S	801 - 821 MHz (DL) 842 - 862 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2034 Tradeable	


## 900 MHz Mobile Band






880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telia Danmark final af Telia	925.1 - 927.7 MHz (DL) 880.1 - 882.7 MHz (UL)	Land mobile		National Coverage	Start: 01-02-2001 Expiry: 31-12-2019 Tradeable	
	Telia Mobile AB	927.7 - 936.9 MHz (DL) 882.7 - 891.9 MHz (UL)	Land mobile		National Coverage	Start: 23-01-2001 Expiry: 31-12-2019 Tradeable	
	Hi3G Denmark ApS	936.9 - 941.9 MHz (DL) 891.9 - 896.9 MHz (UL)	Land mobile		National Coverage	Start: 01-01-2011 Expiry: 31-12-2034 Tradeable	
	TDC Mobil A/S	941.9 - 950.9 MHz (DL) 896.9 - 905.9 MHz (UL)	Land mobile		National Coverage	Start: 04-12-1997 Expiry: 31-12-2019 Tradeable	
	Telenor A/S	950.9 - 959.9 MHz (DL) 905.9 - 914.9 MHz (UL)	Land mobile		National Coverage	Start: 04-12-1997 Expiry: 31-12-2019 Tradeable	

## 1800 MHz Mobile Band





1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TDC A/S	1805 - 1825 MHz (DL) 1710 - 1730 MHz (UL)	TRA-ECS		Regional/local coverage 100 Landsdækkende	Start: 13-06-2017 Expiry: 12-06-2032	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Hi3G Denmark ApS	1805.1 - 1815.1 MHz (DL) 1710.1 - 1720.1 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2011 Expiry: 12-06-2032 Tradeable	
	Hi3G Denmark ApS	1825 - 1835 MHz (DL) 1730 - 1740 MHz (UL)	TRA-ECS		Regional/local coverage 100 Landsdækkende	Start: 01-01-2011 Expiry: 12-06-2032 Tradeable	
	Hi3G Denmark ApS	1835 - 1855 MHz (DL) 1740 - 1760 MHz (UL)	TRA-ECS		Regional/local coverage 100 Landsdækkende	Start: 13-06-2017 Expiry: 12-06-2032 Tradeable	
	TT-Netværket P/S	1855 - 1880 MHz (DL) 1760 - 1785 MHz (UL)	TRA-ECS		Regional/local coverage 100 Landsdækkende	Start: 13-06-2017 Expiry: 12-06-2032 Tradeable	
	Mærsk Olie og Gas A/S	1877.5 - 1877.500001 MHz (DL) 1769.5 - 1769.500001 MHz (UL)	Fixed		One Transmitter Long:005E0759 Lat:55N2808	Start: 07-11-2002 Expiry: 31-12-2027 Tradeable	





**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TDC Mobil A/S	1900 - 1905 MHz	Land mobile		National Coverage	Start: 31-10-2001 Expiry: 31-10-2021 Tradeable	
	Telia Mobile AB	1905 - 1910 MHz	Land mobile		National Coverage	Start: 31-10-2001 Expiry: 31-10-2021 Tradeable	
	Telenor A/S	1910 - 1915 MHz	Land mobile		National Coverage	Start: 19-12-2005 Expiry: 31-10-2021 Tradeable	
	Hi3G Denmark ApS	1915 - 1920 MHz	Land mobile		National Coverage	Start: 31-10-2001 Expiry: 31-10-2021 Tradeable	





**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Hi3G Denmark ApS	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	Land mobile		National Coverage	Start: 31-10-2001 Expiry: 31-10-2021 Tradeable	
	TDC Mobil A/S	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	Land mobile		National Coverage	Start: 31-10-2001 Expiry: 31-10-2021 Tradeable	
	Telia Mobile AB	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	Land mobile		National Coverage	Start: 31-10-2001 Expiry: 31-10-2021 Tradeable	
	Telenor A/S	2155 - 2170 MHz (DL) 1965 - 1980 MHz (UL)	Land mobile		National Coverage	Start: 19-12-2005 Expiry: 31-10-2021 Tradeable	



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)


	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TDC A/S	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS		National Coverage	Start: 01-06-2010 Expiry: 31-05-2030 Tradeable	
	Hi3G Denmark ApS	2640 - 2650 MHz (DL) 2520 - 2530 MHz (UL)	TRA-ECS		National Coverage	Start: 01-06-2010 Expiry: 31-05-2030 Tradeable	
	Telia Nättjänster Norden AB	2650 - 2670 MHz (DL) 2530 - 2550 MHz (UL)	TRA-ECS		National Coverage	Start: 01-06-2010 Expiry: 31-05-2030 Tradeable	
	Telenor A/S	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	TRA-ECS		National Coverage	Start: 01-06-2010 Expiry: 31-05-2030 Tradeable	

**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Hi3G Denmark ApS	2570 - 2595 MHz	TRA-ECS		National Coverage	Start: 01-06-2010 Expiry: 31-05-2030 Tradeable	
	Telenor A/S	2595 - 2605 MHz	TRA-ECS		National Coverage	Start: 01-06-2010 Expiry: 31-05-2030	



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Telia Nätjänster Norden AB	2605 - 2620 MHz	TRA-ECS		National Coverage	Start: 01-06-2010 Expiry: 31-05-2030 Tradeable	

### 3.5 GHz Band




3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TERACOM A/S	3510 - 3512 MHz (DL) 3410 - 3412 MHz (UL)	TRA-ECS		Regional/local coverage Bornholm	Start: 07-02-2014 Expiry: 31-12-2018 Tradeable	
	dasNetz AG	3580 - 3590 MHz (DL) 3480 - 3490 MHz (UL)	TRA-ECS			Start: 08-04-2014 Expiry: 31-12-2018 Tradeable	

## Estonia (2018)




## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Elisa Eesti AS	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN	LTE	National Coverage	Start: 12-08-2013 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually
	Telia Eesti AS	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-02-2016 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually
	Tele 2 Eesti AS	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN	LTE	National Coverage	Start: 08-01-2014 Expiry: 08-01-2030 Tradeable	Licence shall be extended annually



## 900 MHz Mobile Band


880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Elisa Eesti AS	925.1 - 936.5 MHz (DL) 880.1 - 891.5 MHz (UL)	MFCN	LTE, GSM, UMTS	National Coverage	Start: 08-02-2015 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually
	Tele2 Eesti AS	936.7 - 948.1 MHz (DL) 891.7 - 903.1 MHz (UL)	MFCN	GSM, UMTS, LTE	National Coverage	Start: 08-02-2015 Expiry: 08-01-2030 Tradeable	Licence shall be extended annually
	Telia Eesti AS	948.3 - 959.7 MHz (DL) 903.3 - 914.7 MHz (UL)	MFCN	GSM, UMTS, LTE	National Coverage	Start: 01-02-2016 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually

## 1800 MHz Mobile Band





1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telia Eesti AS	1805.1 - 1829.9 MHz (DL) 1710.1 - 1734.9 MHz (UL)	MFCN	GSM, UMTS, LTE	National Coverage	Start: 01-02-2016 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually
	Tele2 Eesti AS	1830.1 - 1854.9 MHz (DL) 1735.1 - 1759.9 MHz (UL)	MFCN	GSM, UMTS, LTE	National Coverage	Start: 12-03-2014 Expiry: 27-01-2030	Licence shall be extended annually

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Elisa Eesti AS	1855.1 - 1879.9 MHz (DL) 1760.1 - 1784.9 MHz (UL)	MFCN	GSM, UMTS, LTE	National Coverage	Start: 12-03-2014 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually





**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Elisa Eesti AS	1900.2 - 1905 MHz	MFCN	UMTS, LTE	National Coverage	Start: 17-01-2013 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually
	Telia Eesti AS	1905.2 - 1910 MHz	MFCN	UMTS, LTE	National Coverage	Start: 01-02-2016 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually
	Tele2 Eesti AS	1910.2 - 1915 MHz	MFCN	UMTS, LTE	National Coverage	Start: 27-01-2013 Expiry: 27-01-2030 Tradeable	Licence shall be extended annually
	Tele2 Eesti AS	1915.2 - 1920 MHz	MFCN	UMTS, LTE	National Coverage	Start: 04-03-2014 Expiry: 27-01-2030 Tradeable	Licence shall be extended annually



**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Tele2 Eesti AS	2110.3 - 2125.3 MHz (DL) 1920.3 - 1935.3 MHz (UL)	MFCN	UMTS, LTE	National Coverage	Start: 04-03-2014 Expiry: 27-01-2030 Tradeable	Licence shall be extended annually
	Tele2 Eesti AS	2125.3 - 2140.1 MHz (DL) 1935.3 - 1950.1 MHz (UL)	MFCN	UMTS, LTE	National Coverage	Start: 27-01-2006 Expiry: 27-01-2030 Tradeable	Licence shall be extended annually
	Telia Eesti AS	2140.1 - 2154.9 MHz (DL) 1950.1 - 1964.9 MHz (UL)	MFCN	UMTS, LTE	National Coverage	Start: 01-02-2016 Expiry: 01-02-2030 Tradeable	Licence shall be annually
	Elisa Eesti AS	2154.9 - 2169.7 MHz (DL) 1964.9 - 1979.7 MHz (UL)	MFCN	UMTS, LTE	National Coverage	Start: 17-01-2006 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually




**2300 MHz - 2400 MHz Mobile Band**

2300 MHz - 2400 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Tele 2 Eesti AS	2300 - 2330 MHz	MFCN		National Coverage	Start: 01-04-2016 Expiry: 27-01-2030	Licence shall be extended annually
	Tele2 Eesti AS	2360 - 2390 MHz	MFCN	-	National Coverage	Start: 19-05-2006 Expiry: 19-05-2030	Licence shall be extended annually



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Elisa Eesti AS	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	MFCN	LTE	National Coverage	Start: 06-01-2011 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually
	Telia Eesti AS	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-02-2016 Expiry: 01-02-2030 Tradeable	Licence shall be extended annually
	Elisa Eesti AS	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	MFCN	LTE	National Coverage	Start: 05-06-2017 Expiry: 05-06-2030 Tradeable	Licence shall be extended annually

**3.7 GHz Band**




3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Tele 2 Eesti AS	3743 - 3764 MHz (DL) 3643 - 3664 MHz (UL)	BWA	WiMAX	National Coverage	Start: 01-04-2016 Expiry: 30-05-2019 Tradeable	Licence shall be extended annually
	Levikom Eesti OU	3785 - 3799 MHz (DL) 3685 - 3699 MHz (UL)	BWA	WiMAX	Regional/local coverage Regional (Harju county)	Start: 15-10-2007 Expiry: 15-08-2019 Tradeable	Licence shall be extended annually

**Finland (2018)**






**700 MHz Mobile Band**

694-790 MHz including a paired frequency arrangement (Frequency Division Duplex 2x30 MHz) and an optional unpaired frequency arrangement (Supplemental Downlink)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	DNA Ltd.	758 - 768 MHz (DL) 703 - 713 MHz (UL)	MFCN	LTE	Regional/local coverage National coverage except Province of Åland	Start: 01-02-2017 Expiry: 31-12-2033	
	Elisa Corporation	768 - 778 MHz (DL) 713 - 723 MHz (UL)	MFCN	LTE	Regional/local coverage National coverage except Province of Åland	Start: 01-02-2017 Expiry: 31-12-2033	
	Telia Finland Corporation	778 - 788 MHz (DL) 723 - 733 MHz (UL)	MFCN	LTE	Regional/local coverage National coverage except Province of Åland	Start: 01-02-2017 Expiry: 31-12-2033	

**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telia Finland Corporation	791 - 806 MHz (DL) 832 - 847 MHz (UL)	MFCN	LTE	Regional/local coverage Province of Åland	Start: 03-03-2015 Expiry: 31-12-2033	
	DNA Ltd.	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN	LTE	Regional/local coverage National coverage except Province of Åland	Start: 01-01-2014 Expiry: 31-12-2033	
	Telia Finland Corporation	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN	LTE	Regional/local coverage National coverage except Province of Åland	Start: 01-01-2014 Expiry: 31-12-2033	
	Ålands Telekommunikation Ab	806 - 821 MHz (DL) 847 - 862 MHz (UL)	MFCN	LTE	Regional/local coverage Province of Åland	Start: 03-03-2015 Expiry: 31-12-2033	
	Elisa Corporation	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN	LTE	Regional/local coverage National coverage except Province of Åland	Start: 01-01-2014 Expiry: 31-12-2033	

**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
+	DNA Ltd.	925.1 - 936.7 MHz (DL) 880.1 - 891.7 MHz (UL)	Digital cellular	GSM, UMTS	National Coverage	Start: 01-11-2007 Expiry: 31-12-2019	

**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
+	Telia Finland Corporation	1829.9 - 1842.4 MHz (DL) 1734.9 - 1747.4 MHz (UL)	Digital cellular	GSM, UMTS, LTE	Regional/local coverage Province of Åland	Start: 03-03-2015 Expiry: 31-12-2033	
+	DNA Ltd.	1830.1 - 1854.9 MHz (DL) 1735.1 - 1759.9 MHz (UL)	Digital cellular	GSM, UMTS, LTE	National Coverage	Start: 09-07-2009 Expiry: 18-03-2019	
+	Ålands Telekommunikation Ab	1842.5 - 1880 MHz (DL) 1747.5 - 1785 MHz (UL)	Digital cellular	GSM, UMTS, LTE	Regional/local coverage Province of Åland	Start: 03-03-2015 Expiry: 31-12-2033	

**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
+	Telia Finland Corporation	1900 - 1904.8 MHz	IMT	UMTS, UMTS/W- CDMA, UMTS/ HSPA, UMTS/HSPA +	National Coverage	Start: 13-06-2003 Expiry: 18-03-2019	
+	DNA Ltd.	1905 - 1909.8 MHz	IMT	UMTS, UMTS/W- CDMA, UMTS/ HSPA, UMTS/HSPA +	National Coverage	Start: 02-07-2003 Expiry: 18-03-2019	
+	Elisa Corporation	1910 - 1914 MHz	IMT	UMTS, UMTS/W- CDMA, UMTS/ HSPA, UMTS/HSPA +	Regional/local coverage Province of Åland	Start: 02-09-2004 Expiry: 18-03-2019	
+	Ålands Telekommunikation Ab	1915 - 1919.8 MHz	IMT	UMTS, UMTS/W- CDMA, UMTS/ HSPA, UMTS/HSPA +	Regional/local coverage Province of Åland	Start: 22-10-2001 Expiry: 18-03-2019	
+	Elisa Corporation	1915 - 1919.8 MHz	IMT	UMTS, UMTS/W- CDMA, UMTS/ HSPA, UMTS/HSPA +	National Coverage	Start: 02-09-2004 Expiry: 18-03-2019	

**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
+	Ålands Telekommunikation Ab	2110.3 - 2135.3 MHz (DL) 1920.3 - 1935.3 MHz (UL)	IMT	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA +	Regional/local coverage Province of Åland	Start: 22-10-2001 Expiry: 18-03-2019	
+	Elisa Corporation	2110.3 - 2130.1 MHz (DL) 1920.3 - 1940.1 MHz (UL)	IMT	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA +	National Coverage	Start: 02-09-2004 Expiry: 18-03-2019	
+	Elisa Corporation	2125.3 - 2140 MHz (DL) 1935.3 - 1950.1 MHz (UL)	IMT	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA +	Regional/local coverage Province of Åland	Start: 02-09-2004 Expiry: 18-03-2019	
+	DNA Ltd.	2130.1 - 2149.9 MHz (DL) 1940.1 - 1959.9 MHz (UL)	IMT	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA +	National Coverage	Start: 02-07-2003 Expiry: 18-03-2019	
+	Telia Finland Corporation	2149.9 - 2169.7 MHz (DL) 1959.9 - 1979.7 MHz (UL)	IMT	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA +	National Coverage	Start: 13-06-2003 Expiry: 18-03-2019	

**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
+	DNA Ltd.	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS		National Coverage	Start: 17-02-2010 Expiry: 16-02-2029 Tradeable	LTE
+	Telia Finland Corporation	2620 - 2625 MHz (DL) 2500 - 2505 MHz (UL)	TRA-ECS	LTE	Regional/local coverage Province of Åland	Start: 03-03-2015 Expiry: 31-12-2033	
+	Ålands Telekommunikation Ab	2625 - 2630 MHz (DL) 2505 - 2510 MHz (UL)	TRA-ECS	LTE	Regional/local coverage Province of Åland	Start: 03-03-2015 Expiry: 31-12-2033	
+	TeliaSonera Finland Corporation	2630 - 2660 MHz (DL) 2510 - 2540 MHz (UL)	TRA-ECS	LTE	Regional/local coverage Province of Åland	Start: 03-03-2015 Expiry: 31-12-2033	
+	Telia Finland Corporation	2640 - 2665 MHz (DL) 2520 - 2545 MHz (UL)	TRA-ECS		National Coverage	Start: 17-02-2010 Expiry: 16-02-2029	LTE

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
+	Ålands Telekommunikation Ab	2660 - 2690 MHz (DL) 2540 - 2570 MHz (UL)	TRA-ECS	LTE	Regional/local coverage Province of Åland	Start: 03-03-2015 Expiry: 31-12-2033	
+	Elisa Corporation	2665 - 2690 MHz (DL) 2545 - 2570 MHz (UL)	TRA-ECS		National Coverage	Start: 17-02-2010 Expiry: 16-02-2029 Tradeable	LTE

## 2.6 GHz Mobile Band

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
+	Ukkoverkot Ltd.	2570 - 2620 MHz	TRA-ECS		National Coverage	Start: 01-10-2014 Expiry: 16-02-2029 Tradeable	LTE

## 3.5 GHz Band

3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
+	Kuuselan Paja Oy Netsor	3510 - 3538 MHz (DL) 3410 - 3438 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 22-10-2004 Expiry: 31-12-2018	
+	Kemiön Puhelin Oy	3510 - 3538 MHz (DL) 3410 - 3438 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 31-05-2005 Expiry: 31-12-2018	
+	Suomi Communications Oy	3510 - 3538 MHz (DL) 3410 - 3438 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 28-02-2006 Expiry: 31-12-2018	
+	Bothnia Broadband AB	3510 - 3538 MHz (DL) 3410 - 3438 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 30-06-2006 Expiry: 31-12-2018	
+	Elisa Corporation	3510 - 3538 MHz (DL) 3410 - 3438 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional, Kokkola area	Start: 07-11-2006 Expiry: 31-12-2018	
+	Kaisanet Oy	3510 - 3538 MHz (DL) 3410 - 3438 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 22-03-2011 Expiry: 31-12-2018	
+	Ab Närpes Dynamo Net Oy	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 12-06-2003 Expiry: 31-12-2018	
+	Skärgårdsnäten Ab	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 31-08-2004 Expiry: 31-12-2018	
+	Gumbo Infra OY/AB	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 11-04-2007 Expiry: 31-12-2018	







	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
+	Mikael Engberg AB Oy	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 30-01-2009 Expiry: 31-12-2018	
+	Nivos Energia Oy	3566 - 3590 MHz (DL) 3466 - 3490 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 04-06-2003 Expiry: 31-12-2018	
+	Haminan Energia Oy	3566 - 3590 MHz (DL) 3466 - 3490 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 30-06-2006 Expiry: 31-12-2018	
+	Karis Telefon Ab	3566 - 3590 MHz (DL) 3466 - 3490 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 14-07-2006 Expiry: 31-12-2018	
+	Kuopion Energia Oy	3566 - 3590 MHz (DL) 3466 - 3490 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 04-05-2016 Expiry: 31-12-2018	
+	Oy KD-Soft Ab	3570.375 - 3589.625 MHz (DL) 3470.375 - 3489.625 MHz (UL)	Fixed	WiMAX	Regional/local coverage Regional	Start: 12-10-2000 Expiry: 31-12-2018	

## France (2016)




## 700 MHz Mobile Band

694-790 MHz including a paired frequency arrangement (Frequency Division Duplex 2x30 MHz) and an optional unpaired frequency arrangement (Supplemental Downlink)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Société Française du Radiotéléphone	758 - 763 MHz (DL) 703 - 708 MHz (UL)	MFCN		National Coverage	Start: 08-12-2015 Expiry: 08-12-2035 Tradeable	<a href="http://www.arcep.fr/uploads/tx_gsavis/15-1569.pdf">http://www.arcep.fr/uploads/tx_gsavis/15-1569.pdf</a>
	Orange	763 - 773 MHz (DL) 708 - 718 MHz (UL)	MFCN		National Coverage	Start: 08-12-2015 Expiry: 08-12-2035 Tradeable	<a href="http://www.arcep.fr/uploads/tx_gsavis/15-1568.pdf">http://www.arcep.fr/uploads/tx_gsavis/15-1568.pdf</a>
	Bouygues Telecom	773 - 778 MHz (DL) 718 - 723 MHz (UL)	MFCN		National Coverage	Start: 08-12-2015 Expiry: 08-12-2035 Tradeable	<a href="http://www.arcep.fr/uploads/tx_gsavis/15-1566.pdf">http://www.arcep.fr/uploads/tx_gsavis/15-1566.pdf</a>
	Free Mobile	778 - 788 MHz (DL) 723 - 733 MHz (UL)	MFCN		National Coverage	Start: 08-12-2015 Expiry: 08-12-2035 Tradeable	<a href="http://www.arcep.fr/uploads/tx_gsavis/15-1567.pdf">http://www.arcep.fr/uploads/tx_gsavis/15-1567.pdf</a>





## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Bouygues Telecom	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN	LTE	National Coverage	Start: 17-01-2012 Expiry: 17-01-2032 Tradeable	
	Société Française du Radiotéléphone	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN	LTE	National Coverage	Start: 17-01-2012 Expiry: 17-01-2032 Tradeable	
	Orange	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN	LTE	National Coverage	Start: 17-01-2012 Expiry: 17-01-2032 Tradeable	






## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Bouygues Telecom	925.1 - 934.9 MHz (DL) 880.1 - 889.9 MHz (UL)	MFCN	GSM and UMTS (GSM currently deployed)	National Coverage	Start: 09-12-2009 Expiry: 08-12-2024 Tradeable	
	Orange	934.9 - 944.9 MHz (DL) 889.9 - 899.9 MHz (UL)	MFCN	GSM and UMTS	National Coverage	Start: 25-03-2006 Expiry: 24-03-2021 Tradeable	
	Free Mobile	944.9 - 949.9 MHz (DL) 899.9 - 904.9 MHz (UL)	MFCN	GSM and UMTS	National Coverage	Start: 12-01-2010 Expiry: 11-01-2030 Tradeable	
	Société Française du Radiotéléphone	949.9 - 959.9 MHz (DL) 904.9 - 914.9 MHz (UL)	MFCN	UMTS	National Coverage	Start: 25-03-2006 Expiry: 24-03-2021 Tradeable	


**1800 MHz Mobile Band**



1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Société Française du Radiotéléphone	1805.1 - 1807.9 MHz (DL) 1710.1 - 1712.9 MHz (UL)	MFCN		National Coverage	Start: 25-03-2006 Expiry: 24-03-2021 Tradeable	
	Orange	1808.1 - 1831.9 MHz (DL) 1713.1 - 1736.9 MHz (UL)	MFCN		National Coverage	Start: 25-03-2006 Expiry: 24-03-2021 Tradeable	
	Société Française du Radiotéléphone	1832.1 - 1853.1 MHz (DL) 1737.1 - 1758.1 MHz (UL)	MFCN		National Coverage	Start: 25-03-2006 Expiry: 24-03-2021 Tradeable	
	Free mobile	1853.3 - 1858.3 MHz (DL) 1758 - 1763 MHz (UL)	MFCN		National Coverage	Start: 01-01-2015 Expiry: 11-10-2031 Tradeable	See ARCEP decision n° 2014-1542 (16 december 2014)
	Bouygues Telecom	1858.3 - 1879.9 MHz (DL) 1763.3 - 1784.9 MHz (UL)	MFCN	GSM and LTE	National Coverage	Start: 01-01-2015 Expiry: 11-10-2031 Tradeable	

**2 GHz Mobile Band**







1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Bouygues Telecom	1900.1 - 1905.1 MHz	MFCN	UMTS-TDD (not deployed)	National Coverage	Start: 12-12-2002 Expiry: 11-12-2022	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Orange	1910.1 - 1915.1 MHz	MFCN	UMTS-TDD (not deployed)	National Coverage	Start: 21-08-2001 Expiry: 20-08-2021 Tradeable	
	Société Française du radiotéléphone	1915.1 - 1920.1 MHz	MFCN	UMTS-TDD (not deployed)	National Coverage	Start: 21-08-2001 Expiry: 20-08-2021 Tradeable	


**2 GHz Mobile Band**




1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Société Française du Radiotéléphone	2110.5 - 2125.3 MHz (DL) 1920.5 - 1935.3 MHz (UL)	MFCN	UMTS-FDD	National Coverage	Start: 21-08-2001 Expiry: 20-08-2021 Tradeable	
	Bouygues Telecom	2125.3 - 2140.1 MHz (DL) 1935.3 - 1950.1 MHz (UL)	MFCN	UMTS-FDD	National Coverage	Start: 12-12-2002 Expiry: 11-12-2022 Tradeable	
	Orange	2140.1 - 2144.9 MHz (DL) 1950.1 - 1954.9 MHz (UL)	MFCN	UMTS-FDD	National Coverage	Start: 08-06-2010 Expiry: 07-06-2030 Tradeable	
	Free Mobile	2144.9 - 2149.9 MHz (DL) 1954.9 - 1959.9 MHz (UL)	MFCN	UMTS-FDD	National Coverage	Start: 12-01-2010 Expiry: 11-01-2030 Tradeable	
	Société Française du Radiotéléphone	2149.9 - 2154.9 MHz (DL) 1959.9 - 1964.9 MHz (UL)	MFCN	UMTS-FDD	National Coverage	Start: 08-06-2010 Expiry: 07-06-2030 Tradeable	
	Orange	2154.9 - 2169.7 MHz (DL) 1964.9 - 1979.7 MHz (UL)	MFCN	UMTS-FDD	National Coverage	Start: 21-08-2001 Expiry: 20-08-2021 Tradeable	

**2.6 GHz Mobile Band**













2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Société Française du Radiotéléphone	2620 - 2635 MHz (DL) 2500 - 2515 MHz (UL)	MFCN		National Coverage	Start: 10-10-2011 Expiry: 10-10-2031 Tradeable	See annex 2008/477/CE

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange	2635 - 2655 MHz (DL) 2515 - 2535 MHz (UL)	MFCN		National Coverage	Start: 10-10-2011 Expiry: 10-10-2031 Tradeable	See annex 2008/477/CE
	Bouygues Telecom	2655 - 2670 MHz (DL) 2535 - 2550 MHz (UL)	MFCN		National Coverage	Start: 10-10-2011 Expiry: 10-10-2031 Tradeable	See annex 2008/477/CE
	Free Mobile	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	MFCN		National Coverage	Start: 10-10-2011 Expiry: 10-10-2031 Tradeable	See annex 2008/477/CE

### 3.5 GHz Band

#### 3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Altitude Infrastructure	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Bretagne (Ille-et-Vilaine)	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Midi-Pyrénées	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Rhône-Alpes	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Alsace	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Auvergne	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Basse-Normandie	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Centre	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Champagne-Ardenne	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Franche-Comté	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Haute-Normandie	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Limousin	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Lorraine	Expiry: 24-07-2026 Tradeable	
















	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Nord-Pas-de-Calais	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Pays de la Loire	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Poitou-Charentes	Expiry: 24-07-2026 Tradeable	
	Collectivité Territoriale de Corse	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Corse	Expiry: 24-07-2026 Tradeable	
	Conseil Général de la Dordogne	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Aquitaine (Dordogne)	Expiry: 24-07-2026 Tradeable	
	Conseil Général des Côtes d'Armor	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Bretagne (Côtes d'Armor)	Expiry: 24-07-2026 Tradeable	
	Conseil Général des Pyrénées-Atlantique	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Aquitaine (Pyrénées-Atlantique)	Expiry: 24-07-2026 Tradeable	
	Conseil Général du Finistère	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Bretagne (Finistère)	Expiry: 24-07-2026 Tradeable	
	Conseil Général du Lot-et-Garonne	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Aquitaine (Lot-et-Garonne)	Expiry: 24-07-2026 Tradeable	
	Conseil Régional Bourgogne	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Bourgogne (Côte-d'Or, Saône-et-Loire, Yonne)	Expiry: 24-07-2026 Tradeable	
	Nomotech SAS	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Bretagne (Morbihan)	Expiry: 24-07-2026 Tradeable	
	Société du Haut Débit	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Ile-de-France	Expiry: 24-07-2026 Tradeable	
	Société du Haut Débit	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Provence-Alpes-Côte d'Azur	Expiry: 24-07-2026 Tradeable	
	Syndicat Mixte NiverLAN	3432.5 - 3447.5 MHz	Fixed		Regional/local coverage Bourgogne (Nièvre)	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Auvergne	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Basse-Normandie	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Centre	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Champagne-Ardenne	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage	Expiry: 24-07-2026	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
					Franche-Comté	Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Haute-Normandie	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Lorraine	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Nord-Pas-de-Calais	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Pays de la Loire	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3465 - 3480 MHz	Fixed		Regional/local coverage Poitou-Charentes ( Deux- Sèvres)	Expiry: 24-07-2026 Tradeable	
	Axione	3465 - 3480 MHz	Fixed		Regional/local coverage Limousin	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Aquitaine	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Bourgogne	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Bretagne	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Corse	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Ile-de-France	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Languedoc-Roussillon	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Midi-Pyrénées	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Picardie	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Provence-Alpes-Côte d'Azur	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3465 - 3480 MHz	Fixed		Regional/local coverage Rhône-Alpes	Expiry: 24-07-2026 Tradeable	
	Conseil Général du Bas-Rhin	3465 - 3480 MHz	Fixed		Regional/local coverage Alsace (Bas-Rhin)	Expiry: 24-07-2026 Tradeable	
	Conseil Général du Haut-Rhin	3465 - 3480 MHz	Fixed		Regional/local coverage Alsace (Haut-Rhin)	Expiry: 24-07-2026 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Conseil Régional Poitou-Charente	3465 - 3480 MHz	Fixed		Regional/local coverage Poitou-Charentes (Charente-Maritime et Vienne)	Expiry: 24-07-2026 Tradeable	
	Département de la Charente	3465 - 3480 MHz	Fixed		Regional/local coverage Poitou-Charentes (Charente)	Expiry: 24-07-2026 Tradeable	
	Altitude Infrastructure	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Bretagne (Ille-et-Vilaine)	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Midi-Pyrénées	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Rhône-Alpes	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Alsace	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Auvergne	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Basse-Normandie	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Centre	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Champagne-Ardenne	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Franche-Comté	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Haute-Normandie	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Limousin	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Lorraine	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Nord-Pas-de-Calais	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Pays de la Loire	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Poitou-Charentes	Expiry: 24-07-2026 Tradeable	
	Collectivité Territoriale de Corse	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Corse	Expiry: 24-07-2026 Tradeable	
	Conseil Général de la Dordogne	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Aquitaine (Dordogne)	Expiry: 24-07-2026 Tradeable	





	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Conseil Général des Côtes d'Armor	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Bretagne (Côtes d'Armor)	Expiry: 24-07-2026 Tradeable	
	Conseil Général des Pyrénées-Atlantique	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Aquitaine (Pyrénées-Atlantique)	Expiry: 24-07-2026 Tradeable	
	Conseil Général du Finistère	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Bretagne (Finistère)	Expiry: 24-07-2026 Tradeable	
	Conseil Général du Lot-et-Garonne	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Aquitaine (Lot-et-Garonne)	Expiry: 24-07-2026 Tradeable	
	Conseil Régional Bourgogne	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Bourgogne (Côte-d'Or, Saône-et-Loire, Yonne)	Expiry: 24-07-2026 Tradeable	
	Nomotech SAS	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Bretagne (Morbihan)	Expiry: 24-07-2026 Tradeable	
	Société du Haut Débit	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Ile-de-France	Expiry: 24-07-2026 Tradeable	
	Société du Haut Débit	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Provence-Alpes-Côte d'Azur	Expiry: 24-07-2026 Tradeable	
	Syndicat Mixte NiverLAN	3532.5 - 3547.5 MHz	Fixed		Regional/local coverage Bourgogne (Nièvre)	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Auvergne	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Basse-Normandie	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Centre	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Champagne-Ardenne	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Franche-Comté	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Haute-Normandie	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Lorraine	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Nord-Pas-de-Calais	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage Pays de la Loire	Expiry: 24-07-2026 Tradeable	
	Altitude Wireless	3565 - 3580 MHz	Fixed		Regional/local coverage	Expiry: 24-07-2026 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
					Poitou-Charentes (Deux-Sèvres)		
	Axione	3565 - 3580 MHz	Fixed		Regional/local coverage Limousin	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Aquitaine	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Bourgogne	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Bretagne	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Corse	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Ile-de-France	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Languedoc-Roussillon	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Midi-Pyrénées	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Picardie	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Provence-Alpes-Côte d'Azur	Expiry: 24-07-2026 Tradeable	
	Bolloré Télécom	3565 - 3580 MHz	Fixed		Regional/local coverage Rhône-Alpes	Expiry: 24-07-2026 Tradeable	
	Conseil Général du Bas-Rhin	3565 - 3580 MHz	Fixed		Regional/local coverage Alsace (Bas-Rhin)	Expiry: 24-07-2026 Tradeable	
	Conseil Général du Haut-Rhin	3565 - 3580 MHz	Fixed		Regional/local coverage Alsace (Haut-Rhin)	Expiry: 24-07-2026 Tradeable	
	Conseil Régional Poitou-Charente	3565 - 3580 MHz	Fixed		Regional/local coverage Poitou-Charentes (Charente-Maritime et Vienne)	Expiry: 24-07-2026 Tradeable	
	Département de la Charente	3565 - 3580 MHz	Fixed		Regional/local coverage Poitou-Charentes ( Charente)	Expiry: 24-07-2026 Tradeable	

## Georgia (2017)



**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Magticom Ltd.	801 - 806 MHz (DL) 842 - 847 MHz (UL)	MFCN	LTE	National Coverage	Start: 02-06-2016 Expiry: 02-06-2031 Tradeable	
	Mobitel Ltd.	806 - 816 MHz (DL) 847 - 857 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030 Tradeable	





**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Mobitel Ltd.	929.5 - 934.99 MHz (DL) 884.5 - 889.99 MHz (UL)	IMT	GSM, UMTS	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030 Tradeable	
	Geocell Ltd.	935 - 946.8 MHz (DL) 890 - 901.8 MHz (UL)	IMT	GSM, UMTS	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030 Tradeable	

**1800 MHz Mobile Band**





1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Geocell Ltd.	1805 - 1820 MHz (DL) 1710 - 1725 MHz (UL)	IMT	GSM, LTE	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030 Tradeable	
	Geocell Ltd.	1820.1 - 1835 MHz (DL) 1725.1 - 1740 MHz (UL)	IMT	GSM, LTE	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030 Tradeable	
	Magticom Ltd.	1835.1 - 1865 MHz (DL) 1740.1 - 1770 MHz (UL)	IMT	GSM, LTE	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030 Tradeable	
	Mobitel Ltd.	1870 - 1880 MHz (DL) 1775 - 1785 MHz (UL)	IMT	GSM, LTE	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030	

Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
					Tradeable	



**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
 Mobitel Ltd.	2115 - 2120 MHz (DL) 1925 - 1930 MHz (UL)	MFCN	UMTS	National Coverage	Start: 29-12-2016 Expiry: 29-12-2031 Tradeable	
 Mobitel Ltd.	2120 - 2125 MHz (DL) 1930 - 1935 MHz (UL)	MFCN	UMTS	National Coverage	Start: 29-12-2016 Expiry: 29-12-2031 Tradeable	
 Magticom Ltd.	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	MFCN	UMTS	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030 Tradeable	
 Geocell Ltd.	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	MFCN	UMTS	National Coverage	Start: 01-02-2015 Expiry: 01-02-2030 Tradeable	

**2300 MHz - 2400 MHz Mobile Band**




2300 MHz - 2400 MHz

Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
 Silknet LLC	2300 - 2350 MHz	MFCN	LTE	Regional/local coverage Tbilisi	Start: 05-05-2016 Expiry: 05-05-2026 Tradeable	Precise licensed frequencies: 2299-2350 MHz
 Silknet LLC	2300 - 2350 MHz	MFCN	LTE	National Coverage	Start: 18-01-2017 Expiry: 18-01-2027 Tradeable	except for Tbilisi, Kutaisi, Samtredia, Vani, Bagdati, Tkibuli, Kharagauli, Satchkhere, Tchiatura, Tsageri, Ambrol. Martvili, Senaki, Abasha, Terjola, Zestap., Khoni, and Autonomous Rep. of Abkhazia

Germany (2017)




**700 MHz Mobile Band**

694-790 MHz including a paired frequency arrangement (Frequency Division Duplex 2x30 MHz) and an optional unpaired frequency arrangement (Supplemental Downlink)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telefónica Germany GmbH & Co. OHG	758 - 768 MHz (DL) 703 - 713 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2017 Expiry: 31-12-2033	MFCN
	Telekom Deutschland GmbH	768 - 778 MHz (DL) 713 - 723 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2017 Expiry: 31-12-2033	MFCN
	Vodafone GmbH	778 - 788 MHz (DL) 723 - 733 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2017 Expiry: 31-12-2033	MFCN




**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telefónica Germany GmbH & Co. OHG	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 03-03-2011 Expiry: 31-12-2025	MFCN
	Vodafone GmbH	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 20-09-2010 Expiry: 31-12-2025	MFCN
	Telekom Deutschland GmbH	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 20-09-2010 Expiry: 31-12-2025	MFCN



**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telefónica Germany GmbH & Co. OHG	925 - 935 MHz (DL) 880 - 890 MHz (UL)	TRA-ECS	GSM, LTE, UMTS	National Coverage	Start: 15-07-2016 Expiry: 31-12-2033	MFCN
	Vodafone GmbH	935 - 945 MHz (DL) 890 - 900 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 27-07-2016 Expiry: 31-12-2033	MFCN
	Telekom Deutschland GmbH	945 - 960 MHz (DL) 900 - 915 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 15-07-2016 Expiry: 31-12-2033	MFCN







**1452 MHz - 1492 MHz Mobile Band Supplemental Downlink**

1452-1492 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telekom Deutschland GmbH	1452 - 1472 MHz	TRA-ECS		National Coverage	Start: 01-01-2017 Expiry: 31-12-2033	MFCN
	Vodafone GmbH	1472 - 1492 MHz	TRA-ECS		National Coverage	Start: 15-01-2016 Expiry: 31-12-2033	MFCN





1800 MHz Mobile Band

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telekom Deutschland GmbH	1805 - 1820 MHz (DL) 1710 - 1725 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 21-07-2010 Expiry: 31-12-2025	MFCN
	Telekom Deutschland GmbH	1820 - 1835 MHz (DL) 1725 - 1740 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 29-06-2016 Expiry: 31-12-2033	MFCN
	Telefónica Germany GmbH & Co. OHG	1835 - 1845 MHz (DL) 1740 - 1750 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 08-12-2015 Expiry: 31-12-2025	MFCN
	Telefónica Germany GmbH & Co. OHG	1845 - 1855 MHz (DL) 1750 - 1760 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 25-05-2016 Expiry: 31-12-2033	MFCN
	Vodafone GmbH	1855 - 1875 MHz (DL) 1760 - 1780 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 15-01-2016 Expiry: 31-12-2033	MFCN
	Vodafone GmbH	1875 - 1880 MHz (DL) 1780 - 1785 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 08-10-2015 Expiry: 31-12-2033	MFCN









2 GHz Mobile Band

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telefónica Germany GmbH & Co. OHG	1900.1 - 1905.1 MHz	TRA-ECS		National Coverage	Start: 01-01-2010 Expiry: 31-12-2025	MFCN
	E-Plus Mobilfunk GmbH	1905.1 - 1910.1 MHz	TRA-ECS		National Coverage	Start: 31-07-2009 Expiry: 31-12-2020	MFCN
	Telekom Deutschland GmbH	1910.1 - 1915.1 MHz	TRA-ECS		National Coverage	Start: 21-12-2001 Expiry: 31-12-2020	MFCN
	Vodafone GmbH	1915.1 - 1920.1 MHz	TRA-ECS		National Coverage	Start: 21-01-2002 Expiry: 31-12-2020	MFCN


**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone GmbH	2110.3 - 2120.2 MHz (DL) 1920.3 - 1930.2 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 21-01-2002 Expiry: 31-12-2020	MFCN
	Vodafone GmbH	2120.2 - 2125.15 MHz (DL) 1930.2 - 1935.15 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 21-07-2010 Expiry: 31-12-2025	MFCN
	Erste MVV Mobilfunk Vermögensverwaltungs GmbH	2125.15 - 2130.1 MHz (DL) 1935.15 - 1940.1 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 21-07-2010 Expiry: 31-12-2025	MFCN
	E-Plus Mobilfunk GmbH	2130.1 - 2140 MHz (DL) 1940.1 - 1950 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 07-02-2002 Expiry: 31-12-2020	MFCN
	Erste MVV Mobilfunk Vermögensverwaltungs GmbH	2140 - 2144.95 MHz (DL) 1950 - 1954.95 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 21-07-2010 Expiry: 31-12-2025	MFCN
	Telefónica Germany GmbH & Co. OHG	2144.95 - 2149.9 MHz (DL) 1954.95 - 1959.9 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 21-07-2010 Expiry: 31-12-2025	MFCN
	Telefónica Germany GmbH & Co. OHG	2149.9 - 2159.8 MHz (DL) 1959.9 - 1969.8 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 22-05-2002 Expiry: 31-12-2020	MFCN
	Telekom Deutschland GmbH	2159.8 - 2169.7 MHz (DL) 1969.8 - 1979.7 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 21-12-2001 Expiry: 31-12-2020	MFCN



**2 GHz Mobile Band**



2010-2025 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telefónica Germany GmbH & Co. OHG	2010.5 - 2024.7 MHz	TRA-ECS		National Coverage	Start: 01-01-2010 Expiry: 31-12-2025	MFCN

**2.6 GHz Mobile Band**





2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone GmbH	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 27-12-2010 Expiry: 31-12-2025	MFCN
	Telekom Deutschland GmbH	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 20-10-2010 Expiry: 31-12-2025	MFCN

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Erste MVV Mobilfunk Vermögensverwaltungs GmbH	2660 - 2670 MHz (DL) 2540 - 2550 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 20-10-2010 Expiry: 31-12-2025	MFCN
	Telefónica Germany GmbH & Co. OHG	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 03-03-2011 Expiry: 31-12-2025	MFCN







**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Erste MVV Mobilfunk Vermögensverwaltungs GmbH	2570 - 2580 MHz	TRA-ECS	LTE	National Coverage	Start: 20-10-2010 Expiry: 31-12-2025	MFCN
	Vodafone GmbH	2580 - 2605 MHz	TRA-ECS		National Coverage	Start: 01-01-2010 Expiry: 31-12-2025	MFCN
	Telekom Deutschland GmbH	2605 - 2610 MHz	TRA-ECS		National Coverage	Start: 20-10-2010 Expiry: 31-12-2025	MFCN
	Telefónica Germany GmbH & Co. OHG	2610 - 2620 MHz	TRA-ECS		National Coverage	Start: 28-02-2011 Expiry: 31-12-2025	MFCN

**3.5 GHz Band**

3400-3600 MHz



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Schleswig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Hamburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Weser-Ems	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Bremen/Lüneburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Hannover/Braunschweig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Mecklenburg	Start: 01-03-2007 Expiry: 31-12-2021	MFCN













	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Vorpommern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage KÖln/DÜsseldorf	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Detmold/Arnsberg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage MÜNster	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Sachsen/Anhalt	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Berlin/Brandenburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Trier/Koblenz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Saarland/Pfalz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Rhein/Main	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Kassel/Gießßen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage ThÜringen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Halle/Leipzig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Dresden/Lausitz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Chemnitz	Start: 01-03-2007 Expiry: 31-12-2021	MFCN

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Stuttgart/Karlsruhe	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Freiburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Tübingen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Franken	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Oberpfalz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Schwaben	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Oberbayern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Connect	3510 - 3531 MHz (DL) 3410 - 3431 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Niederbayern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Schleswig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Hamburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Weser-Ems	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Bremen/Lüneburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Hannover/Braunschweig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Mecklenburg	Start: 01-03-2007 Expiry: 31-12-2021	MFCN















	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Vorpommern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage KÖln/DÜsseldorf	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Detmold/Arnsberg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage MÜNster	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Sachsen/Anhalt	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Berlin/Brandenburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Trier/Koblenz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Saarland/Pfalz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Rhein/Main	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Kassel/Gießen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage ThÜringen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Halle/Leipzig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Dresden/Lausitz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Chemnitz	Start: 01-03-2007 Expiry: 31-12-2021	MFCN















	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Stuttgart/Karlsruhe	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Freiburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Tübingen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Franken	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Oberpfalz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Schwaben	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Oberbayern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	WiMee-Plus	3531 - 3552 MHz (DL) 3431 - 3452 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD), LTE (TDD)	Regional/local coverage Niederbayern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Schleswig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Hamburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Weser-Ems	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Bremen/Lüneburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Hannover/Braunschweig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Mecklenburg	Start: 01-03-2007 Expiry: 31-12-2021	MFCN

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Vorpommern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage KÖln/DÜsseldorf	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Detmold/Arnsberg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage MÜNster	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Sachsen/Anhalt	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Berlin/Brandenburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Trier/Koblenz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Rhein/Main	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Kassel/Gießßen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage ThÜringen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Halle/Leipzig	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Dresden/Lausitz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Chemnitz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Stuttgart/Karlsruhe	Start: 01-03-2007 Expiry: 31-12-2021	MFCN


	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Freiburg	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Tübingen	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Franken	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Oberpfalz	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Schwaben	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Oberbayern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	DBD Deutsche Breitband Dienste GmbH	3552 - 3573 MHz (DL) 3452 - 3473 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Niederbayern	Start: 01-03-2007 Expiry: 31-12-2021 Tradeable	MFCN
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Sachsen G004	Start: 24-10-2005 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Berlin G001	Start: 24-10-2005 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Mecklenb-Vorp G101	Start: 25-11-2005 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Mecklenb-Vorp G003	Start: 25-11-2005 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Sachsen G003	Start: 25-11-2005 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Sachsen G008	Start: 25-11-2005 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Sachsen-Anhalt G101	Start: 25-11-2005 Expiry: 31-12-9999	MFCN; Licence not limited!



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Sachsen-Anhalt G005	Start: 25-11-2005 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Thüringen G001	Start: 25-11-2005 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Baden-Würt G002	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Baden-Würt G102	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Bayern G010	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Bayern G015	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Bayern G106	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Bremen G001	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Bremen G002	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Niedersachsen G010	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Niedersachsen G012	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Niedersachsen G103	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage NR-Westfalen G101	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage NR-Westfalen G104	Start: 24-02-2006 Expiry: 31-12-9999	MFCN; Licence not limited!

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage NR-Westfalen G106	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Schleswig-Holst G101	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Schleswig-Holst G003	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Schleswig-Holst G102	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Schleswig-Holst G103	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Erlangen-Höchst G200	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Forchheim G200	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Baden-Würt G006	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Lippe G200	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Zollernalbkreis G200	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Schwäbisch-Hall G200	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Baden-Würt G012	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Hohenlohekreis G200	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Kitzingen G200	Start: 24-02-2006 Expiry: 31-12-9999	MFCN; Licence not limited!






	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	German Networks UK Ltd. c/o DBD Deutsche Breitbanddienste GmbH	3573 - 3594 MHz (DL) 3473 - 3494 MHz (UL)	TRA-ECS	WiMAX (FDD/TDD)	Regional/local coverage Windsheim G200	Start: 24-02-2006 Expiry: 31-12-9999 Tradeable	MFCN; Licence not limited!

## Greece (2017)




## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	WIND	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 28-02-2030 Tradeable	
	VODAFONE	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 28-02-2030 Tradeable	
	COSMOTE	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 28-02-2030 Tradeable	


## 900 MHz Mobile Band



880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	COSMOTE	925 - 935 MHz (DL) 880 - 890 MHz (UL)	MFCN	GSM	National Coverage	Start: 30-09-2012 Expiry: 29-09-2027 Tradeable	The band is technology neutral and can be used according to EC Decision 2011/251/EU
	WIND	935 - 945 MHz (DL) 890 - 900 MHz (UL)	MFCN	GSM	National Coverage	Start: 30-09-2012 Expiry: 29-09-2027 Tradeable	The band is technology neutral and can be used according to EC Decision 2011/251/EU
	VODAFONE	945 - 960 MHz (DL) 900 - 915 MHz (UL)	MFCN	GSM	National Coverage	Start: 30-09-2012 Expiry: 29-09-2027 Tradeable	The band is technology neutral and can be used according to EC Decision 2011/251/EU

## 1800 MHz Mobile Band




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE	1820 - 1830 MHz (DL) 1725 - 1735 MHz (UL)	MFCN	DCS	National Coverage	Start: 15-11-2012 Expiry: 30-06-2027 Tradeable	The band is technology neutral and can be used according to EC Decision 2011/251/EU

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	COSMOTE	1845 - 1855 MHz (DL) 1750 - 1760 MHz (UL)	MFCN	DCS	National Coverage	Start: 15-11-2012 Expiry: 30-06-2027 Tradeable	The band is technology neutral and can be used according to EC Decision 2011/251/EU
	COSMOTE	1855 - 1880 MHz (DL) 1760 - 1785 MHz (UL)	Digital cellular	DCS	National Coverage	Start: 05-12-1995 Expiry: 04-12-2020 Tradeable	




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	COSMOTE	1905.1 - 1910.1 MHz			National Coverage	Start: 06-08-2001 Expiry: 05-08-2021 Tradeable	
	WIND	1910.1 - 1915.1 MHz			National Coverage	Start: 06-08-2001 Expiry: 05-08-2021 Tradeable	
	VODAFONE	1915.1 - 1920 MHz			National Coverage	Start: 06-08-2001 Expiry: 05-08-2021 Tradeable	The exact band 1915.1 to 1920.1 MHz




**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE	2110.3 - 2130.3 MHz (DL) 1920.3 - 1940.3 MHz (UL)			National Coverage	Start: 06-08-2001 Expiry: 05-08-2021 Tradeable	
	WIND	2130.3 - 2140.3 MHz (DL) 1940.3 - 1950.3 MHz (UL)			National Coverage	Start: 06-08-2001 Expiry: 05-08-2021 Tradeable	
	COSMOTE	2140.3 - 2155.3 MHz (DL) 1950.3 - 1965.3 MHz (UL)			National Coverage	Start: 06-08-2001 Expiry: 05-08-2021 Tradeable	



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 28-02-2030 Tradeable	
	COSMOTE	2640 - 2670 MHz (DL) 2520 - 2550 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 28-02-2030 Tradeable	
	WIND	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 28-02-2030 Tradeable	


**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	COSMOTE	2575 - 2595 MHz	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 28-02-2030 Tradeable	
	VODAFONE	2595 - 2615 MHz	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 28-02-2030 Tradeable	

**3.5 GHz Band**




3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	OTE	3540 - 3570 MHz (DL) 3440 - 3470 MHz (UL)	MFCN		National Coverage	Start: 16-08-2016 Expiry: 30-04-2029 Tradeable	

## Hungary (2018)








## 800 MHz Mobile Band (the UHF band)




790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Magyarország Zrt.	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN	LTE800	National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	"C" pack
	Magyar Telekom Nyrt.	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN	LTE800	National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	"A" pack
	Telenor Magyarország Zrt.	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN	LTE800	National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	"B" pack

## 900 MHz Mobile Band






880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telenor Magyarország Zrt.	925.1 - 926.9 MHz (DL) 880.1 - 881.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 31-01-2012 Expiry: 08-04-2022 Tradeable	
	Telenor Magyarország Zrt.	926.9 - 934.9 MHz (DL) 881.9 - 889.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 04-11-1993 Expiry: 08-04-2022 Tradeable	
	Telenor Magyarország Zrt.	934.9 - 936.9 MHz (DL) 889.9 - 891.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 07-11-2014 Expiry: 15-06-2029 Tradeable	
	Vodafone Magyarország Zrt.	936.9 - 944.9 MHz (DL) 891.9 - 899.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 07-10-1999 Expiry: 08-04-2022 Tradeable	
	Vodafone Magyarország Zrt.	944.9 - 946.9 MHz (DL) 899.9 - 901.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 31-01-2012 Expiry: 08-04-2022 Tradeable	
	Vodafone Magyarország Zrt.	946.9 - 947.9 MHz (DL) 901.9 - 902.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 03-11-2014 Expiry: 15-06-2029 Tradeable	
	Magyar Telekom Nyrt.	947.9 - 949.9 MHz (DL) 902.9 - 904.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 15-10-2014 Expiry: 15-06-2029 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Magyar Telekom Nyrt.	949.9 - 950.9 MHz (DL) 904.9 - 905.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 31-01-2012 Expiry: 08-04-2022 Tradeable	
	Magyar Telekom Nyrt.	950.9 - 958.9 MHz (DL) 905.9 - 913.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 04-11-1993 Expiry: 08-04-2022 Tradeable	
	Magyar Telekom Nyrt.	958.9 - 959.9 MHz (DL) 913.9 - 914.9 MHz (UL)	MFCN	(GSM, UMTS, LTE)	National Coverage	Start: 31-01-2012 Expiry: 08-04-2022 Tradeable	



**1800 MHz Mobile Band**


1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Magyarország Zrt.	1805.1 - 1820.1 MHz (DL) 1710.1 - 1725.1 MHz (UL)	MFCN		National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	
	DIGI Távközlési és Szolgáltató Kft.	1820.1 - 1825 MHz (DL) 1725.1 - 1730 MHz (UL)	MFCN	LTE1800	National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	
	Magyar Telekom Nyrt.	1825 - 1850 MHz (DL) 1730 - 1755 MHz (UL)	MFCN		National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	
	Telenor	1850 - 1880 MHz (DL) 1755 - 1785 MHz (UL)	MFCN	GSM, UMTS, LTE, WiMAX	National Coverage	Start: 03-11-2014 Expiry: 31-12-2019 Tradeable	
	Telenor	1868.1 - 1879.9 MHz (DL) 1773.1 - 1784.9 MHz (UL)	MFCN	GSM, UMTS, LTE, WiMAX	National Coverage	Start: 03-11-2014 Expiry: 31-12-2019 Tradeable	

**2 GHz Mobile Band**




1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Magyar Telekom Nyrt.	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	MFCN	UTRA FDD	National Coverage	Start: 03-11-2014 Expiry: 31-12-2019 Tradeable	
	Vodafone	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	MFCN	UTRA FDD	National Coverage	Start: 03-11-2014 Expiry: 31-12-2019	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Telenor	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	MFCN	UTRA FDD	National Coverage	Start: 03-11-2014 Expiry: 31-12-2019 Tradeable	


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Magyar Telekom Nyrt.	2620 - 2650 MHz (DL) 2500 - 2530 MHz (UL)	MFCN		National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	"A" pack
	Vodafone Magyarország Zrt.	2650 - 2670 MHz (DL) 2530 - 2550 MHz (UL)	MFCN		National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	"G" pack
	Telenor Magyarország Zrt.	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	MFCN		National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	"B" pack



**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Magyarország Zrt.	2575 - 2600 MHz	MFCN		National Coverage	Start: 29-09-2014 Expiry: 15-06-2029 Tradeable	"C" pack

**3.5 GHz Band**


3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Magyarország Zrt.	3410 - 3470 MHz	MFCN		National Coverage	Start: 06-06-2016 Expiry: 15-06-2034 Tradeable	
	DIGI Távközlési és Szolgáltató Kft.	3470 - 3490 MHz	MFCN		National Coverage	Start: 06-06-2016 Expiry: 15-06-2034 Tradeable	

## Iceland (2018)






## 700 MHz Mobile Band

694-790 MHz including a paired frequency arrangement (Frequency Division Duplex 2x30 MHz) and an optional unpaired frequency arrangement (Supplemental Downlink)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Síminn hf	768 - 788 MHz (DL) 713 - 733 MHz (UL)	IMT	LTE	National Coverage	Start: 07-07-2017 Expiry: 06-07-2032	





## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Nova ehf	791 - 796 MHz (DL) 832 - 837 MHz (UL)	IMT	LTE	National Coverage	Start: 07-07-2017 Expiry: 07-07-2032	
	Nova ehf	796 - 801 MHz (DL) 837 - 842 MHz (UL)	IMT	LTE	National Coverage	Start: 07-07-2017 Expiry: 02-04-2023	
	Fjarskipti hf	801 - 806 MHz (DL) 842 - 847 MHz (UL)	IMT	LTE	National Coverage	Start: 22-05-2017 Expiry: 02-04-2023	
	Fjarskipti hf	806 - 811 MHz (DL) 847 - 852 MHz (UL)	IMT	LTE	National Coverage	Start: 07-07-2017 Expiry: 07-07-2032	
	Fjarskipti hf	811 - 821 MHz (DL) 852 - 862 MHz (UL)	IMT	LTE		Start: 03-04-2013 Expiry: 02-04-2023	

## 900 MHz Mobile Band








880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Nova ehf	925 - 930 MHz (DL) 880 - 885 MHz (UL)	IMT		National Coverage	Start: 22-01-2009 Expiry: 30-03-2022	UMTS
	Fjarskipti hf	930 - 935 MHz (DL) 885 - 890 MHz (UL)	IMT		National Coverage	Start: 14-02-2012 Expiry: 13-02-2022	UMTS or GSM
	Fjarskipti hf	935.1 - 945.1 MHz (DL) 890.1 - 900.1 MHz (UL)	IMT		National Coverage	Start: 14-02-2012 Expiry: 14-02-2022	GSM or UMTS
	Síminn hf	945.1 - 959.9 MHz (DL) 900.1 - 914.9 MHz (UL)	IMT		National Coverage	Start: 14-02-2012 Expiry: 13-02-2022	GSM or UMTS






**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Síminn hf	1805.1 - 1820.1 MHz (DL) 1710.1 - 1725.1 MHz (UL)	IMT		National Coverage	Start: 14-02-2012 Expiry: 13-02-2022	GSM and UMTS
	Síminn hf	1820.1 - 1835.1 MHz (DL) 1725.1 - 1740.1 MHz (UL)	IMT	LTE	National Coverage	Start: 03-04-2013 Expiry: 02-04-2023	
	IMC Ísland ehf	1835.3 - 1838.7 MHz (DL) 1740.3 - 1743.7 MHz (UL)	IMT		National Coverage	Start: 14-02-2012 Expiry: 13-02-2022	GSM
	Fjarskipti hf	1838.9 - 1853.9 MHz (DL) 1743.9 - 1758.9 MHz (UL)	IMT		National Coverage	Start: 14-02-2012 Expiry: 13-02-2022	GSM and UMTS
	Fjarskipti hf	1853.9 - 1858.9 MHz (DL) 1758.9 - 1763.9 MHz (UL)	IMT	LTE	National Coverage	Start: 03-04-2013 Expiry: 02-04-2023	
	Nova ehf	1859.1 - 1874.1 MHz (DL) 1764.1 - 1779.1 MHz (UL)	IMT		National Coverage	Start: 22-01-2009 Expiry: 30-03-2022	GSM and UMTS
	Nova ehf	1874.1 - 1879.1 MHz (DL) 1779.1 - 1784.1 MHz (UL)	IMT	LTE	National Coverage	Start: 03-04-2013 Expiry: 02-04-2023	


**2 GHz Mobile Band**



1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Nova ehf	1900 - 1905 MHz	IMT	TDD	National Coverage	Start: 22-01-2009 Expiry: 30-03-2022	
	Fjarskipti hf	1910 - 1915 MHz	IMT	TDD	National Coverage	Start: 15-05-2008 Expiry: 30-03-2022	
	Síminn	1915 - 1920 MHz	IMT	TDD	National Coverage	Start: 30-03-2007 Expiry: 30-03-2022	

**2 GHz Mobile Band**





1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Síminn	2110 - 2130 MHz (DL) 1920 - 1940 MHz (UL)	IMT	FDD	National Coverage	Start: 30-03-2007 Expiry: 30-03-2022	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Nova ehf	2130 - 2150 MHz (DL) 1940 - 1960 MHz (UL)	IMT	FDD	National Coverage	Start: 22-01-2009 Expiry: 30-03-2022	
	Fjarskipti hf	2150 - 2170 MHz (DL) 1960 - 1980 MHz (UL)	IMT	FDD	National Coverage	Start: 15-05-2008 Expiry: 30-03-2022	



### 2.6 GHz Mobile Band

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Síminn hf	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	IMT	LTE	National Coverage	Start: 07-07-2017 Expiry: 07-07-2032	
	Fjarskipti hf	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	IMT	LTE	National Coverage	Start: 07-07-2017 Expiry: 07-07-2032	
	Nova ehf	2660 - 2680 MHz (DL) 2540 - 2560 MHz (UL)	IMT	LTE	National Coverage	Start: 07-07-2017 Expiry: 07-07-2032	
	Yellow Mobile BV	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	IMT	LTE	National Coverage	Start: 07-07-2017 Expiry: 07-07-2032	

### 3.5 GHz Band







3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Gagnaveita Suðurlands ehf	3571.5 - 3585.5 MHz (DL) 3471.5 - 3485.5 MHz (UL)	BWA		Regional/local coverage South Iceland	Start: 01-04-2016 Expiry: 01-09-2021	BWA
	Gagnaveita Suðurlands ehf	3586 - 3600 MHz (DL) 3486 - 3500 MHz (UL)	BWA		Regional/local coverage South Iceland	Start: 01-04-2016 Expiry: 01-09-2021	

Ireland (2017)





**800 MHz Mobile Band (the UHF band)**




790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Meteor Mobile Communications Limited	791 - 796 MHz (DL) 832 - 837 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Meteor Mobile Communications Limited	796 - 801 MHz (DL) 837 - 842 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	801 - 806 MHz (DL) 842 - 847 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	806 - 811 MHz (DL) 847 - 852 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Vodafone Ireland Limited	811 - 816 MHz (DL) 852 - 857 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Vodafone Ireland Limited	816 - 821 MHz (DL) 857 - 862 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	

**900 MHz Mobile Band**




880-915 MHz / 925-960 MHz (paired frequency arrangement)







	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Meteor Mobile Communications Limited	925 - 930 MHz (DL) 880 - 885 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Meteor Mobile Communications Limited	930 - 935 MHz (DL) 885 - 890 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	935 - 940 MHz (DL) 890 - 895 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	940 - 945 MHz (DL) 895 - 900 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Ireland Limited	945 - 950 MHz (DL) 900 - 905 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Vodafone Ireland Limited	950 - 955 MHz (DL) 905 - 910 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	955 - 960 MHz (DL) 910 - 915 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	

**1800 MHz Mobile Band**


1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Three Ireland Hutchison Limited	1805 - 1810 MHz (DL) 1710 - 1715 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	1810 - 1815 MHz (DL) 1715 - 1720 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	1815 - 1820 MHz (DL) 1720 - 1725 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Vodafone Ireland Limited	1820 - 1825 MHz (DL) 1725 - 1730 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Vodafone Ireland Limited	1825 - 1830 MHz (DL) 1730 - 1735 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Vodafone Ireland Limited	1830 - 1835 MHz (DL) 1735 - 1740 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Vodafone Ireland Limited	1835 - 1840 MHz (DL) 1740 - 1745 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Vodafone Ireland Limited	1840 - 1845 MHz (DL) 1745 - 1750 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	1845 - 1850 MHz (DL) 1750 - 1755 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Three Ireland Hutchison Limited	1850 - 1855 MHz (DL) 1755 - 1760 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	1855 - 1860 MHz (DL) 1760 - 1765 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Three Ireland Hutchison Limited	1860 - 1865 MHz (DL) 1765 - 1770 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Meteor Mobile Communications Limited	1865 - 1870 MHz (DL) 1770 - 1775 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 13-07-2030 Tradeable	
	Meteor Mobile Communications Limited	1870 - 1875 MHz (DL) 1775 - 1780 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	
	Meteor Mobile Communications Limited	1875 - 1880 MHz (DL) 1780 - 1785 MHz (UL)	Digital cellular	Liberalised	National Coverage	Start: 13-07-2015 Expiry: 12-07-2030 Tradeable	




**2 GHz Mobile Band**










1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Three Ireland Hutchison Limited	1910 - 1915 MHz	Digital cellular	UTRA TDD	National Coverage	Start: 02-10-2002 Expiry: 01-10-2022 Tradeable	

**2 GHz Mobile Band**


1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Three Ireland Hutchison Limited	2110 - 2115 MHz (DL) 1920 - 1925 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 25-07-2002 Expiry: 24-07-2022 Tradeable	
	Three Ireland Hutchison Limited	2115 - 2120 MHz (DL) 1925 - 1930 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 02-10-2002 Expiry: 01-10-2022 Tradeable	
	Three Ireland Hutchison Limited	2120 - 2125 MHz (DL) 1930 - 1935 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 25-07-2002 Expiry: 24-07-2022	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Meteor Mobile Communications Limited	2125 - 2130 MHz (DL) 1935 - 1940 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 12-03-2007 Expiry: 11-03-2027 Tradeable	
	Meteor Mobile Communications Limited	2130 - 2135 MHz (DL) 1940 - 1945 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 12-03-2007 Expiry: 11-03-2027 Tradeable	
	Meteor Mobile Communications Limited	2135 - 2140 MHz (DL) 1945 - 1950 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 12-03-2007 Expiry: 11-03-2027 Tradeable	
	Vodafone Ireland Limited	2140 - 2145 MHz (DL) 1950 - 1955 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 16-10-2002 Expiry: 15-10-2022 Tradeable	
	Vodafone Ireland Limited	2145 - 2150 MHz (DL) 1955 - 1960 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 16-10-2002 Expiry: 15-10-2022 Tradeable	
	Vodafone Ireland Limited	2150 - 2155 MHz (DL) 1960 - 1965 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 16-10-2002 Expiry: 15-10-2022 Tradeable	
	Three Ireland Hutchison Limited	2155 - 2160 MHz (DL) 1965 - 1970 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 02-10-2002 Expiry: 01-10-2022 Tradeable	
	Three Ireland Hutchison Limited	2160 - 2165 MHz (DL) 1970 - 1975 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 25-07-2002 Expiry: 24-07-2022 Tradeable	
	Three Ireland Hutchison Limited	2165 - 2170 MHz (DL) 1975 - 1980 MHz (UL)	Digital cellular	UTRA FDD	National Coverage	Start: 02-10-2002 Expiry: 01-10-2022 Tradeable	

**3.5 GHz Band**




3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	State Services	3435 - 3475 MHz	Land mobile		National Coverage	Tradeable	

## Italy (2017)


**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Wind Tre S.p.A.	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	
	Telecom Italia S.p.A.	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	
	Vodafone Omnitel N.V.	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	



**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Iliad S.p.A.	925.1 - 930.1 MHz (DL) 880.1 - 885.1 MHz (UL)	IMT	UMTS	National Coverage	Start: 19-05-2010 Expiry: 31-12-2021 Tradeable	




**1452 MHz - 1492 MHz Mobile Band Supplemental Downlink**

1452-1492 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telecom Italia S.p.A.	1452 - 1472 MHz	MFCN	SDL	National Coverage	Start: 01-11-2015 Expiry: 31-12-2029 Tradeable	
	Vodafone Omnitel N.V.	1472 - 1492 MHz	MFCN	SDL	National Coverage	Start: 01-11-2015 Expiry: 31-12-2029 Tradeable	





**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Wind Tre S.p.A.	1810 - 1825 MHz (DL) 1715 - 1730 MHz (UL)	IMT	LTE	National Coverage	Start: 01-01-2012 Expiry: 31-12-2029 Tradeable	
	Telecom Italia S.p.A.	1825 - 1830 MHz (DL) 1730 - 1735 MHz (UL)	IMT	GSM/LTE	National Coverage	Start: 01-01-2012 Expiry: 31-12-2029 Tradeable	
	Vodafone Omnitel N.V.	1860 - 1865 MHz (DL) 1765 - 1775 MHz (UL)	IMT	GSM/LTE	National Coverage	Start: 01-01-2012 Expiry: 31-12-2029 Tradeable	




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Wind Tre S.p.A.	1900 - 1905 MHz	IMT		National Coverage	Start: 01-01-2001 Expiry: 31-12-2021 Tradeable	
	Vodafone Omnitel N.V.	1905 - 1910 MHz	IMT		National Coverage	Start: 01-01-2001 Expiry: 31-12-2021 Tradeable	
	Telecom Italia S.p.A.	1910 - 1915 MHz	IMT		National Coverage	Start: 01-01-2001 Expiry: 31-12-2021 Tradeable	
	Wind Tre S.p.A.	1915 - 1920 MHz	IMT		National Coverage	Start: 01-01-2001 Expiry: 31-12-2021 Tradeable	

**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)





	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Wind Tre	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-01-2001 Expiry: 31-12-2021 Tradeable	
	Telecom Italia S.p.A.	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-01-2001 Expiry: 31-12-2021 Tradeable	
	Wind Tre S.p.A.	2140 - 2145 MHz (DL) 1950 - 1955 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-01-2001 Expiry: 31-12-2021	



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	ILIAD S.p.A.	2145 - 2155 MHz (DL) 1955 - 1965 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-01-2001 Expiry: 31-12-2021 Tradeable	
	Vodafone Omnitel N.V.	2155 - 2170 MHz (DL) 1965 - 1980 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-01-2001 Expiry: 31-12-2021 Tradeable	



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ILIAD S.p.A.	2630 - 2640 MHz (DL) 2510 - 2520 MHz (UL)	IMT	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	
	Vodafone Omnitel N.V.	2640 - 2655 MHz (DL) 2520 - 2535 MHz (UL)	IMT	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	
	Telecom Italia S.p.A.	2655 - 2670 MHz (DL) 2535 - 2550 MHz (UL)	IMT	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	
	Wind Tre S.p.A.	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	IMT	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	







**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Wind Tre S.p.A.	2570 - 2585 MHz	IMT	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	
	Wind Tre S.p.A.	2585 - 2600 MHz	IMT	LTE	National Coverage	Start: 01-01-2013 Expiry: 31-12-2029 Tradeable	

**3.5 GHz Band**




3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Various licencees (See all in RoU for Italy)	3437 - 3458 MHz	BWA	LTE	Regional/local coverage Local coverage	Start: 21-05-2008 Expiry: 21-05-2023 Tradeable	The issued licences are for fixed, nomadic and mobile applications
	Various licencees (See all in RoU for Italy)	3458 - 3479 MHz	BWA	WiMAX	Regional/local coverage Local Coverage	Start: 21-05-2008 Expiry: 21-05-2023 Tradeable	The issued licences are for fixed, nomadic and mobile applications
	Various licencees (See all in RoU for Italy)	3479 - 3500 MHz	BWA	LTE/WiMAX	Regional/local coverage Local coverage	Start: 21-05-2008 Expiry: 21-05-2023 Tradeable	The issued licences are for fixed, nomadic and mobile applications
	Various licencees (See all in RoU for Italy)	3537 - 3558 MHz	BWA	LTE/WiMAX	Regional/local coverage Local coverage	Start: 21-05-2008 Expiry: 21-05-2023 Tradeable	The issued licences are for fixed, nomadic and mobile applications
	Various licencees (See all in RoU for Italy)	3558 - 3579 MHz	BWA	LTE/WiMAX	Regional/local coverage Local coverage	Start: 21-05-2008 Expiry: 21-05-2023 Tradeable	The issued licences are for fixed, nomadic and mobile applications
	Various licencees (See all in RoU for Italy)	3579 - 3600 MHz	BWA	LTE/WiMAX	Regional/local coverage Local coverage	Start: 21-05-2008 Expiry: 21-05-2023 Tradeable	The issued licences are for fixed, nomadic and mobile applications

## Latvia (2018)






## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Bite Latvija	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-07-2015 Expiry: 30-06-2033 Tradeable	LTE
	Latvijas Mobilais Telefons	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-07-2015 Expiry: 30-06-2033 Tradeable	LTE
	Tele2	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-07-2015 Expiry: 30-06-2033 Tradeable	LTE


## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Bite Latvija	925.2 - 934.8 MHz (DL) 880.2 - 889.8 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 29-06-2005 Expiry: 28-06-2020	GSM, UMTS
	Latvijas Mobilais Telefons	935 - 948.2 MHz (DL) 890 - 903.2 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 29-05-2002 Expiry: 09-01-2026	GSM, UMTS.
	Tele2	948.3 - 949.1 MHz (DL) 903.3 - 904.1 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 10-09-2008 Expiry: 10-09-2018	GSM, UMTS
	Tele2	949.2 - 959 MHz (DL) 904.2 - 914 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 01-03-2006 Expiry: 28-02-2026	GSM, UMTS.
	Tele2	959 - 960 MHz (DL) 914 - 915 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 07-10-2010 Expiry: 06-10-2020 Tradeable	GSM, UMTS


## 1427 MHz - 1452 MHz Mobile Band Supplemental Downlink

1427-1452 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Lattelecom	1427 - 1452 MHz	Point-to-Point		National Coverage	Start: 01-01-2003 Expiry: 31-12-2027	




**1492 MHz - 1518 MHz Mobile Band Supplemental Downlink**

1492-1518 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Lattelecom	1492 - 1517 MHz	Point-to-Point		National Coverage	Start: 01-01-2003 Expiry: 31-12-2027	




**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Latvijas Mobilais Telefons	1805 - 1829.8 MHz (DL) 1710 - 1734.8 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 29-05-2002 Expiry: 09-01-2026	GSM, LTE.
	Tele2	1830.2 - 1854.8 MHz (DL) 1735.2 - 1759.8 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 01-03-2006 Expiry: 28-02-2026	GSM, LTE.
	Bite Latvija	1855 - 1880 MHz (DL) 1760 - 1785 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 29-06-2005 Expiry: 28-06-2020	LTE


**2 GHz Mobile Band**



1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Bite Latvija	1900 - 1905 MHz	TRA-ECS	UMTS/IMT-2000/ TDD	National Coverage	Start: 29-06-2005 Expiry: 28-06-2020	
	Tele2	1905 - 1910 MHz	TRA-ECS	UMTS/IMT-2000/ TDD	National Coverage	Start: 01-01-2018 Expiry: 28-06-2020	
	Latvijas Mobilais Telefons	1915 - 1920 MHz	TRA-ECS	UMTS/IMT-2000/ TDD	National Coverage	Start: 03-12-2002 Expiry: 28-06-2020	

**2 GHz Mobile Band**



1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Latvijas Mobilais Telefons	2110 - 2130 MHz (DL) 1920 - 1940 MHz (UL)	TRA-ECS	UMTS, LTE	National Coverage	Start: 01-01-2003 Expiry: 31-12-2027	UMTS, LTE

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Bite Latvija	2130 - 2150 MHz (DL) 1940 - 1960 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 29-06-2005 Expiry: 28-06-2020	UMTS
	Tele2	2150 - 2170 MHz (DL) 1960 - 1980 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 01-01-2018 Expiry: 31-12-2027	UMTS, LTE





**2300 MHz - 2400 MHz Mobile Band**

2300 MHz - 2400 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Latvijas Mobilais Telefons	2300 - 2330 MHz	MFCN	LTE TDD	National Coverage	Start: 06-12-2012 Expiry: 05-12-2027 Tradeable	LTE TDD
	Bite Latvija	2330 - 2360 MHz	MFCN	IMT TDD	National Coverage	Start: 06-12-2012 Expiry: 05-12-2027 Tradeable	LTE TDD


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Latvijas Mobilais Telefons	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-01-2014 Expiry: 31-12-2028 Tradeable	LTE
	Tele2	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-01-2014 Expiry: 31-12-2028 Tradeable	LTE
	Bite Latvija	2660 - 2680 MHz (DL) 2540 - 2560 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-01-2014 Expiry: 31-12-2028 Tradeable	LTE
	Baltcom 4G	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 20-05-2016 Expiry: 31-12-2028	

**2.6 GHz Mobile Band**



2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Latvijas Mobilais Telefons	2570 - 2620 MHz	TRA-ECS	LTE TDD	National Coverage	Start: 01-01-2014 Expiry: 31-12-2028	LTE TDD

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	







**3.5 GHz Band**

3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Tele2	3510 - 3538 MHz (DL) 3410 - 3438 MHz (UL)	TRA-ECS	BWA; Point-to-Multipoint	National Coverage	Start: 02-08-2012 Expiry: 25-03-2021	All licenses in the 3.5 GHz band are for Fixed and Mobile service
	UNISTARS	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	TRA-ECS	BWA; Point-to-Multipoint	National Coverage	Start: 15-09-2010 Expiry: 14-09-2020	All licenses in the 3.5 GHz band are for Fixed and Mobile service

**3.7 GHz Band**





3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telia Latvija	3600 - 3628 MHz	TRA-ECS	BWA	National Coverage	Start: 07-05-2010 Expiry: 06-05-2025 Tradeable	All licenses in the 3.7 GHz band are for Fixed and Mobile service National coverage except Riga
	UNISTARS	3715 - 3729 MHz (DL) 3615 - 3629 MHz (UL)	TRA-ECS	BWA	Regional/local coverage Riga	Start: 15-09-2010 Expiry: 14-09-2020	All licenses in the 3.7 GHz band are for Fixed and Mobile service
	UNISTARS	3729 - 3757 MHz (DL) 3629 - 3657 MHz (UL)	TRA-ECS	BWA	National Coverage	Start: 15-09-2010 Expiry: 14-09-2020	All licenses in the 3.7 GHz band are for Fixed and Mobile service
	UNISTARS	3757 - 3771 MHz (DL) 3657 - 3671 MHz (UL)	TRA-ECS	BWA	Regional/local coverage Riga	Start: 15-09-2010 Expiry: 14-09-2020	All licenses in the 3.7 GHz band are for Fixed and Mobile service
	Lattelecom	3664 - 3692 MHz (DL) 3764 - 3792 MHz (UL)	TRA-ECS	BWA	National Coverage	Start: 01-01-2018 Expiry: 31-12-2018	
	Lattelecom	3678 - 3702 MHz (DL) 3778 - 3806 MHz (UL)	TRA-ECS	BWA	National Coverage	Start: 01-01-2018 Expiry: 31-12-2018	

## Liechtenstein (2016)







## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telecom Liechtenstein AG	801 - 806 MHz (DL) 842 - 847 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	806 - 811 MHz (DL) 847 - 852 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	811 - 816 MHz (DL) 852 - 857 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	816 - 821 MHz (DL) 857 - 862 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited


## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Salt (Liechtenstein) AG	925.1 - 930.1 MHz (DL) 880.1 - 885.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	930.1 - 935.1 MHz (DL) 885.1 - 890.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	940.1 - 945.1 MHz (DL) 895.1 - 900.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	945.1 - 950.1 MHz (DL) 900.1 - 905.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	950.1 - 955.1 MHz (DL) 905.1 - 910.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	955.1 - 960.1 MHz (DL) 910.1 - 915.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited

## 1800 MHz Mobile Band




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Swisscom (Schweiz) AG	1805.1 - 1810.1 MHz (DL) 1710.1 - 1715.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited










	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Swisscom (Schweiz) AG	1810.1 - 1815.1 MHz (DL) 1715.1 - 1720.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	1815.1 - 1820.1 MHz (DL) 1720.1 - 1725.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	1820.1 - 1825.1 MHz (DL) 1725.1 - 1730.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	1825.1 - 1830.1 MHz (DL) 1730.1 - 1735.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 01-01-2017 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	1830.1 - 1835.1 MHz (DL) 1735.1 - 1740.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	1835.1 - 1840.1 MHz (DL) 1740.1 - 1745.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	1840.1 - 1845.1 MHz (DL) 1745.1 - 1750.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	1845.1 - 1850.1 MHz (DL) 1750.1 - 1755.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	1850.1 - 1855.1 MHz (DL) 1755.1 - 1760.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	1855.1 - 1860.1 MHz (DL) 1760.1 - 1765.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	1860.1 - 1865.1 MHz (DL) 1765.1 - 1770.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	1865.1 - 1870.1 MHz (DL) 1770.1 - 1775.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	1870.1 - 1875.1 MHz (DL) 1775.1 - 1780.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	1875.1 - 1880.1 MHz (DL) 1780.1 - 1785.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited

**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)








	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telecom Liechtenstein AG	2110.5 - 2115.5 MHz (DL) 1920.5 - 1925.5 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	2115.5 - 2120.3 MHz (DL) 1925.5 - 1930.3 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	2120.3 - 2125.3 MHz (DL)	MFCN	Neutral	National Coverage	Start: 30-01-2015	Duration not limited








	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
		1930.3 - 1935.3 MHz (UL)				Expiry: 01-01-2099	
	Telecom Liechtenstein AG	2125.3 - 2130.3 MHz (DL) 1935.3 - 1940.3 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	2130.3 - 2135.1 MHz (DL) 1940.3 - 1945.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	2135.1 - 2140.1 MHz (DL) 1945.1 - 1950.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	2140.1 - 2145.1 MHz (DL) 1950.1 - 1955.1 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	2145.1 - 2149.9 MHz (DL) 1955.1 - 1959.9 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	2149.9 - 2154.9 MHz (DL) 1959.9 - 1964.9 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	2154.9 - 2159.9 MHz (DL) 1964.9 - 1969.9 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	2159.9 - 2164.7 MHz (DL) 1969.9 - 1974.7 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	2164.7 - 2169.7 MHz (DL) 1974.7 - 1979.7 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited

**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telecom Liechtenstein AG	2620 - 2625 MHz (DL) 2500 - 2505 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	2625 - 2630 MHz (DL) 2505 - 2510 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	2630 - 2635 MHz (DL) 2510 - 2515 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Telecom Liechtenstein AG	2635 - 2640 MHz (DL) 2515 - 2520 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	2645 - 2650 MHz (DL) 2525 - 2530 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	2650 - 2655 MHz (DL) 2530 - 2535 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Swisscom (Schweiz) AG	2655 - 2660 MHz (DL) 2535 - 2540 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Swisscom (Schweiz) AG	2660 - 2665 MHz (DL) 2540 - 2545 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	2665 - 2670 MHz (DL) 2545 - 2550 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	2670 - 2675 MHz (DL) 2550 - 2555 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited
	Salt (Liechtenstein) AG	2680 - 2685 MHz (DL) 2560 - 2565 MHz (UL)	MFCN	Neutral	National Coverage	Start: 30-01-2015 Expiry: 01-01-2099	Duration not limited

## Lithuania (2017)




## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	UAB "Bit&#279; Lietuva"	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS	LTE	National Coverage	Expiry: 01-07-2030 Tradeable	
	UAB "Omnitel"	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS	LTE	National Coverage	Expiry: 01-07-2030 Tradeable	
	UAB	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 26-11-2013 Expiry: 01-07-2030 Tradeable	LTE+ (LTE800+LTE1800)


## 2 GHz Mobile Band

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	UAB Bite Lietuva	2110.3 - 2130.1 MHz (DL) 1920.3 - 1940.1 MHz (UL)	TRA-ECS	LTE, UMTS	National Coverage	Start: 12-05-2016 Expiry: 28-02-2026 Tradeable	
	UAB Omnitel	2130.1 - 2149.9 MHz (DL) 1940.1 - 1959.9 MHz (UL)	TRA-ECS	LTE, UMTS	National Coverage	Start: 12-05-2016 Expiry: 23-02-2026 Tradeable	
	UAB Tele2	2149.9 - 2169.7 MHz (DL) 1959.9 - 1979.7 MHz (UL)	TRA-ECS	LTE, UMTS	National Coverage	Start: 12-05-2016 Expiry: 06-03-2026 Tradeable	UMTS (HSPA+), LTE




## 2300 MHz - 2400 MHz Mobile Band

2300 MHz - 2400 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	AB Lietuvos radijo ir televizijos centras	2310 - 2390 MHz	TRA-ECS	LTE	National Coverage	Start: 24-07-2014 Expiry: 25-07-2029 Tradeable	






## 2.6 GHz Mobile Band

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	UAB Tele2	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS	LTE+	National Coverage	Start: 28-08-2012 Expiry: 29-08-2027 Tradeable	LTE800+LTE2600, LTE1800+LTE2600
	UAB Omnitel	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	TRA-ECS	LTE	National Coverage	Expiry: 29-08-2027 Tradeable	
	UAB Bite Lietuva	2660 - 2680 MHz (DL) 2540 - 2560 MHz (UL)	TRA-ECS	LTE	National Coverage	Expiry: 29-08-2027 Tradeable	



3.5 GHz Band

3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	UAB Nelte	3510 - 3524 MHz (DL) 3410 - 3424 MHz (UL)	TRA-ECS	WiMAX	National Coverage	Start: 25-04-2008 Expiry: 31-10-2022 Tradeable	License revoked on 2017-02-03
	UAB Nelte	3524 - 3538 MHz (DL) 3424 - 3438 MHz (UL)	TRA-ECS	WiMAX	National Coverage	Start: 25-04-2008 Expiry: 22-10-2022 Tradeable	license revoked on 2017-02-03
	UAB Balticum TV	3538 - 3566 MHz (DL) 3438 - 3466 MHz (UL)	TRA-ECS	WiMAX	National Coverage	Expiry: 22-10-2022 Tradeable	
	AB Lietuvos radijo ir televizijos centras	3566 - 3580 MHz (DL) 3466 - 3480 MHz (UL)	TRA-ECS	WiMAX	National Coverage	Expiry: 22-10-2022 Tradeable	
	AB Lietuvos radijo ir televizijos centras	3580 - 3594 MHz (DL) 3480 - 3494 MHz (UL)	TRA-ECS	WiMAX	National Coverage	Expiry: 31-10-2022 Tradeable	

3.7 GHz Band




3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	AB Lietuvos radijo ir televizijos centras	3605 - 3670 MHz	TRA-ECS	WiMAX	National Coverage	Expiry: 10-07-2027 Tradeable	
	UAB Balticum TV	3670 - 3735 MHz	TRA-ECS	WiMAX	Regional/local coverage Siauliai, Telsiai district and Klaipeda	Expiry: 05-03-2027 Tradeable	

Luxembourg (2015)






**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ENTREPRISE DES P&T	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 24-12-2012 Expiry: 24-12-2027 Tradeable	
	TANGO S.A.	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 24-12-2012 Expiry: 24-12-2027 Tradeable	
	ORANGE COMMUNICATIONS LUXEMBOURG S.A.	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 24-12-2012 Expiry: 24-12-2027 Tradeable	




**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ORANGE COMMUNICATIONS LUXEMBOURG S.A.	925.1 - 934.9 MHz (DL) 880.1 - 889.9 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 28-06-2012 Expiry: 28-06-2027 Tradeable	
	ENTREPRISE DES P&T	935.1 - 939.7 MHz (DL) 890.1 - 894.7 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 25-05-2012 Expiry: 25-05-2027 Tradeable	
	TANGO S.A.	940.1 - 944.7 MHz (DL) 895.1 - 899.7 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 25-05-2012 Expiry: 25-05-2027 Tradeable	
	ENTREPRISE DES P&T	944.9 - 952.3 MHz (DL) 899.9 - 907.3 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 25-05-2012 Expiry: 25-05-2027 Tradeable	
	TANGO S.A.	952.5 - 959.9 MHz (DL) 907.5 - 914.9 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 25-05-2012 Expiry: 25-05-2027 Tradeable	




**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ORANGE COMMUNICATIONS LUXEMBOURG S.A.	1805 - 1830 MHz (DL) 1710 - 1735 MHz (UL)	TRA-ECS	GSM / LTE	National Coverage	Start: 28-06-2012 Expiry: 28-06-2027 Tradeable	
	TANGO S.A.	1830 - 1855 MHz (DL) 1735 - 1760 MHz (UL)	TRA-ECS	GSM / LTE	National Coverage	Start: 25-05-2012 Expiry: 25-05-2027 Tradeable	
	ENTREPRISE DES P&T	1855 - 1880 MHz (DL) 1760 - 1785 MHz (UL)	TRA-ECS	GSM / LTE	National Coverage	Start: 25-05-2012 Expiry: 25-05-2027 Tradeable	




### 2 GHz Mobile Band

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ENTREPRISE DES P&T	2110.3 - 2125.3 MHz (DL) 1920.3 - 1935.3 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 25-11-2013 Expiry: 15-07-2018 Tradeable	
	ORANGE COMMUNICATIONS LUXEMBOURG S.A.	2125.3 - 2140.1 MHz (DL) 1935.3 - 1950.1 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 25-11-2013 Expiry: 15-07-2018 Tradeable	
	TANGO S.A.	2140.1 - 2154.9 MHz (DL) 1950.1 - 1964.9 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 25-11-2013 Expiry: 15-07-2018 Tradeable	

### 2.6 GHz Mobile Band




2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ENTREPRISE DES P&T	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 24-12-2012 Expiry: 24-12-2027 Tradeable	
	ORANGE COMMUNICATIONS LUXEMBOURG S.A.	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 24-12-2012 Expiry: 24-12-2027 Tradeable	
	TANGO S.A.	2660 - 2680 MHz (DL) 2540 - 2560 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 24-12-2012 Expiry: 24-12-2027 Tradeable	

## Macedonia (FYROM) (2017)



## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	one.Vip DOO Skopje	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-12-2013 Expiry: 30-11-2033 Tradeable	
	Makedonski Telekom AD Skopje	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-12-2013 Expiry: 30-11-2033 Tradeable	
	one.Vip DOO Skopje	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-12-2013 Expiry: 30-11-2033 Tradeable	




## 900 MHz Mobile Band



880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Makedonski Telekom AD Skopje	935 - 947.5 MHz (DL) 890 - 902.5 MHz (UL)	GSM	GSM/UMTS	National Coverage	Start: 05-09-2008 Expiry: 05-09-2018 Tradeable	
	one.Vip DOO Skopje	947.5 - 960 MHz (DL) 902.5 - 915 MHz (UL)	GSM	GSM/UMTS	National Coverage	Start: 05-09-2008 Expiry: 05-09-2023 Tradeable	

## 1800 MHz Mobile Band


1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	one.Vip DOO Skopje	1815 - 1825 MHz (DL) 1720 - 1730 Hz (UL)	IMT	GSM/UMT	National Coverage	Start: 14-08-2012 Expiry: 13-08-2022 Tradeable	
	one.Vip DOO Skopje	1825 - 1840 MHz (DL) 1730 - 1745 MHz (UL)	IMT	GSM/UMTS	National Coverage	Start: 01-12-2013 Expiry: 30-11-2033 Tradeable	
	Makedonski Telekom AD Skopje	1840 - 1850 MHz (DL) 1745 - 1755 MHz (UL)	IMT	GSM/UMTS	National Coverage	Start: 09-06-2009 Expiry: 09-06-2019	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Makedonski Telekom AD Skopje	1850 - 1865 MHz (DL) 1755 - 1770 MHz (UL)	IMT	GSM/LTE	National Coverage	Start: 01-12-2013 Expiry: 30-11-2033 Tradeable	
	one.Vip DOO Skopje	1865 - 1880 MHz (DL) 1770 - 1785 MHz (UL)	IMT	GSM/LTE	National Coverage	Start: 01-12-2013 Expiry: 30-11-2033 Tradeable	

## 2 GHz Mobile Band

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Makedonski Telekom AD Skopje	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	MFCN	UMTS	National Coverage	Start: 17-12-2008 Expiry: 17-12-2018 Tradeable	



## Malta (2018)








## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	GO plc.	791 - 800 MHz (DL) 832 - 841 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 09-04-2018 Expiry: 08-04-2033 Tradeable	
	Vodafone Malta Limited	801 - 810 MHz (DL) 842 - 851 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 09-04-2018 Expiry: 08-04-2033 Tradeable	
	Melita Limited	811 - 820 MHz (DL) 852 - 861 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 09-04-2018 Expiry: 08-04-2033 Tradeable	










## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Melita Limited	925 - 930 MHz (DL) 880 - 885 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	GO plc.	930 - 935 MHz (DL) 885 - 890 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	GO plc.	935 - 940 MHz (DL) 890 - 895 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	GO plc.	940 - 945 MHz (DL) 895 - 900 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2028 Tradeable	
	Vodafone Malta Limited	945 - 950 MHz (DL) 900 - 905 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	Vodafone Malta Limited	950 - 955 MHz (DL) 905 - 910 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	Vodafone Malta Limited	955 - 960 MHz (DL) 910 - 915 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	


**1800 MHz Mobile Band**



1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	GO plc.	1805 - 1810 MHz (DL) 1710 - 1715 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	GO plc.	1810 - 1815 MHz (DL) 1715 - 1720 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	GO plc.	1815 - 1820 MHz (DL) 1720 - 1725 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	GO plc.	1820 - 1825 MHz (DL) 1725 - 1730 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	Vodafone Malta Limited	1830 - 1835 MHz (DL) 1735 - 1740 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	Vodafone Malta Limited	1835 - 1840 MHz (DL) 1740 - 1745 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	Vodafone Malta Limited	1840 - 1845 MHz (DL) 1745 - 1750 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	Vodafone Malta Limited	1845 - 1850 MHz (DL) 1750 - 1755 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	
	Vodafone Malta Limited	1850 - 1855 MHz (DL) 1755 - 1760 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 27-08-2011 Expiry: 26-08-2026 Tradeable	

**2 GHz Mobile Band**




1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Melita Limited	1904.9 - 1909.9 MHz	TRA-ECS	UTRA TDD	National Coverage	Start: 16-08-2007 Expiry: 16-08-2022 Tradeable	Spectrum for TDD operation

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Malta Limited	1909.9 - 1914.9 MHz	TRA-ECS	UTRA TDD	National Coverage	Start: 29-08-2005 Expiry: 29-08-2020 Tradeable	Spectrum for TDD operation
	GO plc.	1914.9 - 1919.9 MHz	TRA-ECS	UTRA TDD	National Coverage	Start: 29-08-2005 Expiry: 29-08-2020 Tradeable	Spectrum for TDD operation



**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	GO plc.	2110.3 - 2130.1 MHz (DL) 1920.3 - 1940.1 MHz (UL)	TRA-ECS	UTRA FDD	National Coverage	Start: 29-08-2005 Expiry: 29-08-2020 Tradeable	Spectrum for FDD operation
	Melita Limited	2130.1 - 2149.9 MHz (DL) 1940.1 - 1959.9 MHz (UL)	TRA-ECS	UTRA FDD	National Coverage	Start: 16-08-2007 Expiry: 16-08-2022 Tradeable	Spectrum for FDD operation
	Vodafone Malta Limited	2149.9 - 2169.7 MHz (DL) 1959.9 - 1979.7 MHz (UL)	TRA-ECS	UTRA FDD	National Coverage	Start: 29-08-2005 Expiry: 29-08-2020 Tradeable	Spectrum for FDD operation


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	GO plc.	2620 - 2659 MHz (DL) 2500 - 2539 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 09-04-2018 Expiry: 08-04-2033 Tradeable	
	Vodafone Malta Limited	2660 - 2690 MHz (DL) 2540 - 2569 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 09-04-2018 Expiry: 08-04-2033 Tradeable	

**2.6 GHz Mobile Band**



2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Malta Limited	2570 - 2594 MHz	TRA-ECS	Neutral	National Coverage	Start: 09-04-2018 Expiry: 08-04-2033	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	

**3.5 GHz Band**




3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	GO plc.	3511.75 - 3532.75 MHz (DL) 3411.75 - 3432.75 MHz (UL)	BWA		National Coverage	Start: 21-10-2005 Expiry: 21-10-2020 Tradeable	
	Vodafone Malta Limited	3567.75 - 3588.75 MHz (DL) 3467.75 - 3488.75 MHz (UL)	BWA		National Coverage	Start: 21-10-2005 Expiry: 21-10-2020 Tradeable	

## Moldova (2016)





## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Moldova	791 - 801 MHz (DL) 832 - 842 MHz (UL)	IMT	LTE	National Coverage	Start: 01-11-2014 Expiry: 30-11-2029 Tradeable	Partially tradable
	Orange Moldova	801 - 811 MHz (DL) 842 - 852 MHz (UL)	IMT	LTE	National Coverage	Start: 24-11-2015 Expiry: 05-11-2029 Tradeable	Partially tradable
	Moldcell	811 - 821 MHz (DL) 852 - 862 MHz (UL)	IMT	LTE	National Coverage	Start: 24-11-2015 Expiry: 05-11-2029 Tradeable	Partially tradable


## 900 MHz Mobile Band



880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Moldova	925 - 930 MHz (DL) 880 - 885 MHz (UL)	MFCN	GSM	National Coverage	Start: 24-11-2015 Expiry: 05-11-2029 Tradeable	Partially tradable
	Moldcell	935 - 945 MHz (DL) 890 - 900 MHz (UL)	MFCN	GSM	National Coverage	Start: 01-11-2014 Expiry: 30-11-2029 Tradeable	Partially tradable
	Moldtelecom	945 - 950 MHz (DL) 900 - 905 MHz (UL)	MFCN	UMTS	National Coverage	Start: 01-11-2014 Expiry: 30-11-2029 Tradeable	Partially tradable
	Orange Moldova	950 - 960 MHz (DL) 905 - 915 MHz (UL)	MFCN	GSM	National Coverage	Start: 24-11-2015 Expiry: 30-11-2029 Tradeable	Partially tradable

## 1800 MHz Mobile Band




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Moldova	1805 - 1830 MHz (DL) 1710 - 1735 MHz (UL)	MFCN	GSM/LTE	National Coverage	Start: 01-11-2014 Expiry: 30-11-2029	Partially tradable

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Moldcell	1830 - 1855 MHz (DL) 1735 - 1760 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 30-11-2029 Tradeable	Partially tradable
	Moldtelecom	1855 - 1880 MHz (DL) 1760 - 1785 MHz (UL)	MFCN	LTE	National Coverage	Start: 01-11-2014 Expiry: 30-11-2029 Tradeable	Partially tradable




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Moldova	1899.9 - 1904.9 MHz	IMT	UMTS TDD	National Coverage	Start: 01-08-2008 Expiry: 31-08-2023 Tradeable	Partially tradable
	Moldtelecom	1904.9 - 1909.9 MHz	IMT	UMTS TDD	National Coverage	Start: 01-12-2008 Expiry: 31-08-2023 Tradeable	Partially tradable
	Moldcell	1914.9 - 1919.9 MHz	IMT	UMTS TDD	National Coverage	Start: 01-08-2008 Expiry: 31-08-2023 Tradeable	Partially tradable



**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Moldcell	2110.5 - 2125.3 MHz (DL) 1920.5 - 1935.3 MHz (UL)	IMT	UMTS FDD	National Coverage	Start: 01-08-2008 Expiry: 31-08-2023 Tradeable	Partially tradable
	Orange Moldova	2125.3 - 2140.1 MHz (DL) 1935.3 - 1950.1 MHz (UL)	IMT	UMTS FDD	National Coverage	Start: 01-08-2008 Expiry: 31-08-2023 Tradeable	Partially tradable
	Moldtelecom	2140.1 - 2154.9 MHz (DL) 1950.1 - 1964.9 MHz (UL)	IMT	UMTS FDD	National Coverage	Start: 01-12-2008 Expiry: 31-12-2023 Tradeable	Partially tradable

**2.6 GHz Mobile Band**



2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Moldcell	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	IMT	LTE	National Coverage	Start: 01-11-2012 Expiry: 30-11-2027 Tradeable	Partially tradable
	Orange Moldova	2660 - 2680 MHz (DL) 2540 - 2560 MHz (UL)	IMT	LTE	National Coverage	Start: 01-11-2012 Expiry: 30-11-2027 Tradeable	Partially tradable

## Montenegro (2017)




## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MTEL	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-09-2016 Expiry: 01-09-2031 Tradeable	LTE, LTE-Advanced
	Crnogorski Telekom (T-Mobile)	801 - 821 MHz (DL) 842 - 862 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-09-2016 Expiry: 01-09-2031 Tradeable	LTE, LTE-Advanced




## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MTEL	925 - 935 MHz (DL) 880 - 890 MHz (UL)	TRA-ECS	GSM/UMTS	National Coverage	Start: 21-04-2007 Expiry: 20-04-2022 Tradeable	GSM, GSM/GPRS, GSM/EDGE, GSM/EDGE+, UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+
	Telenor	935 - 950 MHz (DL) 890 - 905 MHz (UL)	TRA-ECS	GSM/UMTS	National Coverage	Start: 01-01-2017 Expiry: 01-09-2031 Tradeable	GSM, GSM/GPRS, GSM/EDGE, GSM/EDGE+, UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+
	Crnogorski Telekom (T-Mobile)	950 - 960 MHz (DL) 905 - 915 MHz (UL)	TRA-ECS	GSM/UMTS	National Coverage	Start: 01-01-2017 Expiry: 01-09-2031 Tradeable	GSM, GSM/GPRS, GSM/EDGE, GSM/EDGE+, UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+

## 1800 MHz Mobile Band

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)





	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telenor	1805 - 1830 MHz (DL) 1710 - 1735 MHz (UL)	TRA-ECS	DCS1800/LTE	National Coverage	Start: 01-01-2017 Expiry: 01-09-2031 Tradeable	GSM, GSM/GPRS, GSM/EDGE, GSM/EDGE+, LTE, LTE-Advanced
	MTEL	1830 - 1835 MHz (DL) 1735 - 1740 MHz (UL)	TRA-ECS	DCS1800/LTE	National Coverage	Start: 01-02-2017 Expiry: 01-09-2031 Tradeable	GSM, GSM/GPRS, GSM/EDGE, GSM/EDGE+, LTE, LTE-Advanced
	Crnogorski Telekom (T-Mobile)	1835 - 1860 MHz (DL) 1740 - 1765 MHz (UL)	TRA-ECS		National Coverage	Start: 21-04-2022 Expiry: 01-09-2031	GSM, GSM/GPRS, GSM/EDGE, GSM/EDGE+, LTE, LTE-Advanced



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	MTEL	1835 - 1855 MHz (DL) 1740 - 1760 MHz (UL)	TRA-ECS	DCS1800/LTE	National Coverage	Start: 21-04-2007 Expiry: 20-04-2022 Tradeable	GSM, GSM/GPRS, GSM/EDGE, GSM/EDGE+, LTE, LTE-Advanced
	Crnogorski Telekom (T-Mobile)	1855 - 1880 MHz (DL) 1760 - 1785 MHz (UL)	TRA-ECS	DCS1800/LTE	National Coverage	Start: 01-01-2017 Expiry: 20-04-2022 Tradeable	GSM, GSM/GPRS, GSM/EDGE, GSM/EDGE+, LTE, LTE-Advanced




**2 GHz Mobile Band**




1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Crnogorski Telekom (T-Mobile)	1900 - 1905 MHz	IMT		National Coverage	Start: 12-04-2022 Expiry: 01-09-2031 Tradeable	UMTS/TDD, DA2GC allowed
	Telenor	1905 - 1910 MHz	IMT		National Coverage	Start: 13-04-2007 Expiry: 12-04-2022 Tradeable	UMTS/TDD, DA2GC allowed
	Crnogorski Telekom (T-Mobile)	1910 - 1915 MHz	IMT		National Coverage	Start: 12-04-2007 Expiry: 11-04-2022 Tradeable	UMTS/TDD, DA2GC allowed
	MTEL	1915 - 1920 MHz	IMT		National Coverage	Start: 21-04-2007 Expiry: 20-04-2022 Tradeable	UMTS/TDD, DA2GC allowed

**2 GHz Mobile Band**



1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Crnogorski Telekom (T-Mobile)	2110 - 2115 MHz (DL) 1920 - 1925 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 01-02-2017 Expiry: 20-04-2022 Tradeable	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+
	Telenor	2120 - 2140 MHz (DL) 1930 - 1950 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 01-02-2017 Expiry: 20-04-2022 Tradeable	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+
	Crnogorski Telekom (T-Mobile)	2130 - 2150 MHz (DL) 1940 - 1960 MHz (UL)	TRA-ECS		National Coverage	Start: 21-04-2022 Expiry: 01-09-2031 Tradeable	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Crnogorski Telekom (T-Mobile)	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 01-02-2017 Expiry: 20-04-2022 Tradeable	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+
	Telenor	2150 - 2170 MHz (DL) 1960 - 1980 MHz (UL)	TRA-ECS		National Coverage	Start: 21-04-2022 Expiry: 01-09-2031 Tradeable	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+
	MTEL	2155 - 2170 MHz (DL) 1965 - 1980 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 21-04-2007 Expiry: 20-04-2022 Tradeable	UMTS, UMTS/W-CDMA, UMTS/HSPA, UMTS/HSPA+


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Crnogorski Telekom (T-Mobile)	2620 - 2630 MHz (DL) 2500 - 2510 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-09-2016 Expiry: 01-09-2031 Tradeable	LTE, LTE-Advanced
	MTEL	2630 - 2650 MHz (DL) 2510 - 2530 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 01-09-2016 Expiry: 01-09-2031 Tradeable	LTE, LTE-Advanced


**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Crnogorski Telekom (T-Mobile)	2610 - 2615 MHz	TRA-ECS		National Coverage	Start: 01-09-2016 Expiry: 01-09-2031 Tradeable	LTE, LTE-Advanced

**3.5 GHz Band**




3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MTEL	3525 - 3550 MHz (DL) 3425 - 3450 MHz (UL)	MFCN		National Coverage	Start: 23-04-2018 Expiry: 22-04-2022 Tradeable	

## Netherlands (2017)




## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Libertel B.V.	791 - 821 MHz (DL) 832 - 862 MHz (UL)	MFCN		National Coverage	Start: 01-01-2015 Expiry: 31-12-2029 Tradeable	
	Tele2 Mobiel B.V.	791 - 821 MHz (DL) 832 - 862 MHz (UL)	MFCN		National Coverage	Start: 01-01-2015 Expiry: 31-12-2029 Tradeable	
	KPN B.V.	791 - 821 MHz (DL) 832 - 862 MHz (UL)	MFCN		National Coverage	Start: 01-01-2015 Expiry: 31-12-2029 Tradeable	



## 900 MHz Mobile Band


880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Libertel B.V.	925 - 960 MHz (DL) 880 - 915 MHz (UL)	IMT		National Coverage	Start: 27-02-2016 Expiry: 26-02-2030 Tradeable	
	KPN B.V.	925 - 960 MHz (DL) 880 - 915 MHz (UL)	IMT		National Coverage	Start: 27-02-2016 Expiry: 26-02-2030 Tradeable	
	T-Mobile Netherlands B.V.	935 - 960 MHz (DL) 890 - 915 MHz (UL)	IMT		National Coverage	Start: 27-02-2016 Expiry: 26-02-2030 Tradeable	

## 1800 MHz Mobile Band




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T-Mobile Netherlands B.V.	1805 - 1880 MHz (DL) 1710 - 1780 MHz (UL)	IMT		National Coverage	Start: 27-02-2016 Expiry: 26-02-2030 Tradeable	
	KPN B.V.	1805 - 1875 MHz (DL) 1710 - 1780 MHz (UL)	IMT		National Coverage	Start: 27-02-2016 Expiry: 26-02-2030	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Vodafone Libertel B.V.	1805 - 1875 MHz (DL) 1710 - 1780 MHz (UL)	IMT		National Coverage	Start: 27-02-2016 Expiry: 26-02-2030 Tradeable	






**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Libertel B.V.	2110 - 2160 MHz (DL) 1920 - 1970 Hz (UL)	MFCN		National Coverage	Start: 01-01-2006 Expiry: 31-12-2020 Tradeable	
	KPN B.V.	2120 - 2160 MHz (DL) 1930 - 1970 Hz (UL)	MFCN		National Coverage	Start: 01-01-2006 Expiry: 31-12-2020 Tradeable	
	T-Mobile Netherlands B.V.	2120 - 2170 MHz (DL) 1930 - 1980 MHz (UL)	MFCN		National Coverage	Start: 01-01-2006 Expiry: 31-12-2020 Tradeable	






**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T-Mobile Netherlands B.V.	2620 - 2690 MHz (DL) 2500 - 2570 Hz (UL)	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	
	KPN B.V.	2620 - 2690 MHz (DL) 2500 - 2570 MHz (UL)	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	
	ZUM B.V.	2620 - 2690 MHz (DL) 2500 - 2570 MHz (UL)	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	
	Vodafone Libertel B.V.	2620 - 2690 MHz (DL) 2500 - 2570 MHz (UL)	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	
	Tele2 Mobiel B.V.	2620 - 2690 MHz (DL) 2500 - 2570 MHz (UL)	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	

**2.6 GHz Mobile Band**







2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ZUM B.V.	2570 - 2620 MHz	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	
	Vodafone Libertel B.V.	2570 - 2620 MHz	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	
	T-Mobile Netherlands B.V.	2570 - 2620 MHz	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	
	KPN B.V.	2570 - 2620 MHz	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	
	Tele2 Mobiel B.V.	2570 - 2620 MHz	MFCN		National Coverage	Start: 12-05-2016 Expiry: 11-05-2030 Tradeable	

## Norway (2017)





## 800 MHz Mobile Band (the UHF band)



790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TampNet	791 - 811 MHz (DL) 832 - 852 MHz (UL)	Digital cellular		Regional/local coverage Offshore	Start: 27-08-2014 Expiry: 31-12-2033 Tradeable	
	ICE Communication Norge AS	791 - 801 MHz (DL) 832 - 842 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	
	Telenor Norge AS	801 - 821 MHz (DL) 842 - 862 MHz (UL)	Digital cellular		Regional/local coverage Svalbard	Start: 01-05-2014 Expiry: 31-12-2033 Tradeable	
	Telia Norge AS	801 - 811 MHz (DL) 842 - 852 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	
	Telenor Norge AS	811 - 821 MHz (DL) 852 - 862 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	
	Telenor Maritime AS	811 - 821 MHz (DL) 852 - 862 MHz (UL)	Digital cellular		Regional/local coverage Offshore	Start: 27-08-2014 Expiry: 31-12-2033 Tradeable	

## 900 MHz Mobile Band











880-915 MHz / 925-960 MHz (paired frequency arrangement)




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Statoil Petroleum AS	925 - 935.1 MHz (DL) 880 - 890.1 MHz (UL)	Digital cellular		Regional/local coverage Petroliumsinnretninger offshore	Start: 05-07-2013 Expiry: 31-12-2033 Tradeable	
	ICE Communication Norge AS	925 - 930.1 MHz (DL) 880 - 885.1 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	
	MegaFon	930 - 934.6 MHz (DL) 885 - 889.6 MHz (UL)	Digital cellular		Regional/local coverage Land area of Svalbard	Start: 11-05-2009 Expiry: 31-12-2019 Tradeable	
	Telia Norge AS	930.1 - 935.1 MHz (DL) 885.1 - 890.1 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Statoil Petroleum AS	944.9 - 949.9 MHz (DL) 899.9 - 904.9 MHz (UL)	Digital cellular		Regional/local coverage Petroliumsinnretninger offshore	Start: 05-07-2013 Expiry: 31-12-2033 Tradeable	
	Telenor Norge AS	944.9 - 949.9 MHz (DL) 899.9 - 904.9 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	

**1800 MHz Mobile Band**









1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TampNet	1805 - 1825 MHz (DL) 1710 - 1730 MHz (UL)	Digital cellular		Regional/local coverage Petroliumsinnretninger offshore	Start: 20-03-2013 Expiry: 31-12-2033 Tradeable	
	Mjølner Telecom AS	1805 - 1810 MHz (DL) 1710 - 1715 MHz (UL)	Digital cellular		Regional/local coverage Svalbard	Start: 01-01-2015 Expiry: 31-12-2033 Tradeable	
	Telia Norge AS	1805 - 1810 MHz (DL) 1710 - 1715 MHz (UL)	Digital cellular		National Coverage	Start: 01-02-2016 Expiry: 31-12-2033 Tradeable	
	Telenor Norge AS	1810 - 1820 MHz (DL) 1715 - 1725 MHz (UL)	Digital cellular		National Coverage	Start: 01-02-2016 Expiry: 31-12-2033 Tradeable	
	Telenor Norge AS	1820 - 1830 MHz (DL) 1725 - 1735 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	
	Telia Norge AS	1825 - 1845 MHz (DL) 1730 - 1750 MHz (UL)	Digital cellular		Regional/local coverage Petroliumsinnretninger offshore	Start: 20-03-2013 Expiry: 31-12-2033 Tradeable	
	Telenor Norge AS	1830 - 1840 MHz (DL) 1735 - 1745 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2028 Tradeable	
	Telia Norge AS	1840 - 1850 MHz (DL) 1745 - 1755 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	
	Statoil Petroleum AS	1845 - 1865 MHz (DL) 1750 - 1770 MHz (UL)	Digital cellular		Regional/local coverage Petroliumsinnretninger offshore	Start: 20-03-2013 Expiry: 31-12-2033 Tradeable	
	Telia Norge AS	1850 - 1860 MHz (DL) 1755 - 1765 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telenor Norge AS	1860 - 1880 MHz (DL) 1765 - 1785 MHz (UL)	Digital cellular		Regional/local coverage Svalbard	Start: 26-09-2013 Expiry: 31-12-2033 Tradeable	
	ICE Communication Norge AS	1860 - 1880 MHz (DL) 1765 - 1785 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2014 Expiry: 31-12-2033 Tradeable	
	Telenor Maritime AS	1865 - 1880 MHz (DL) 1770 - 1785 MHz (UL)	Digital cellular		Regional/local coverage Offshore	Start: 27-02-2015 Expiry: 31-12-2033 Tradeable	

**2 GHz Mobile Band**


1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telia Norge AS	2110.3 - 2130.1 MHz (DL) 1920.3 - 1940.1 MHz (UL)	Digital cellular		National Coverage	Start: 01-12-2012 Expiry: 31-12-2032 Tradeable	
	Telia Norge AS	2110.3 - 2130.1 MHz (DL) 1920.3 - 1940.1 MHz (UL)	Digital cellular		Regional/local coverage Svalbard	Start: 22-05-2013 Expiry: 31-12-2032 Tradeable	
	Telenor Norge AS	2130.1 - 2149.9 MHz (DL) 1940.1 - 1959.9 MHz (UL)	Digital cellular		National Coverage	Start: 01-12-2012 Expiry: 31-12-2032 Tradeable	
	Telenor Norge AS	2130.1 - 2149.9 MHz (DL) 1940.1 - 1959.9 MHz (UL)	Digital cellular		Regional/local coverage Svalbard	Start: 22-04-2013 Expiry: 31-12-2032 Tradeable	
	Telenor Maritime AS	2130.1 - 2135.1 MHz (DL) 1940.1 - 1945.1 MHz (UL)	Digital cellular		Regional/local coverage Godkjente skip i norsk farvann	Start: 01-11-2015 Expiry: 31-12-2020 Tradeable	
	Telia Norge AS	2149.9 - 2169.7 MHz (DL) 1959.9 - 1979.7 MHz (UL)	Digital cellular		Regional/local coverage Svalbard	Start: 22-04-2013 Expiry: 31-12-2032 Tradeable	
	Ice Communication Norge AS	2149.9 - 2154.9 MHz (DL) 1959.9 - 1964.9 MHz (UL)	Digital cellular		National Coverage	Start: 01-12-2012 Expiry: 31-12-2032 Tradeable	
	Telia Norge AS	2154.9 - 2169.7 MHz (DL) 1964.9 - 1979.7 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2008 Expiry: 31-12-2019 Tradeable	









**2 GHz Mobile Band**

2010-2025 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Inquam Norway	2010 - 2025 MHz	Digital cellular		National Coverage	Start: 01-01-2008 Expiry: 31-12-2022 Tradeable	


**2300 MHz - 2400 MHz Mobile Band**





2300 MHz - 2400 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Engie E&P Norge AS	2300 - 2320 MHz	Digital cellular		Regional/local coverage Offshore, Gjøafeltet, block 35/9 and 36/7	Start: 01-10-2009 Expiry: 31-12-2021 Tradeable	
	NextGenTel AS	2301 - 2323 MHz	Point-to-Multipoint		Regional/local coverage Region 1, 2, 3, 5 og 6	Start: 18-09-2006 Expiry: 31-12-2019 Tradeable	
	Norkring AS	2336 - 2356 MHz	Point-to-Multipoint		Regional/local coverage Gardermoen Lufthavn	Start: 17-02-2004 Expiry: 31-12-2019 Tradeable	
	TV2 AS	2356 - 2366 MHz	Point-to-Multipoint		Regional/local coverage Gardermoen Lufthavn	Start: 17-02-2004 Expiry: 31-12-2019 Tradeable	
	Discovery Networks Norway AS	2366 - 2376 MHz	Point-to-Multipoint		Regional/local coverage Gardermoen Lufthavn	Start: 17-02-2004 Expiry: 31-12-2019 Tradeable	
	Norsk rikskringkasting AS	2376 - 2386 MHz	Point-to-Multipoint		Regional/local coverage Gardermoen Lufthavn	Start: 17-02-2004 Expiry: 31-12-2019 Tradeable	

**2.6 GHz Mobile Band**


2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	NextNet AS	2560 - 2570 MHz	Digital cellular		National Coverage	Start: 01-01-2008 Expiry: 31-12-2022 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	NextNet AS	2680 - 2690 MHz (DL) 2560 - 2570 Hz (UL)	Digital cellular		National Coverage	Start: 01-01-2008 Expiry: 31-12-2022 Tradeable	
	Telia Norge AS	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2008 Expiry: 31-12-2022 Tradeable	
	Telenor ASA	2640 - 2680 MHz (DL) 2520 - 2560 MHz (UL)	Digital cellular		National Coverage	Start: 01-01-2008 Expiry: 31-12-2022 Tradeable	
	Telenor Norge AS	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	Digital cellular		Regional/local coverage Svalbard unntatt Ny-Ålesund	Start: 23-03-2011 Expiry: 31-12-2022 Tradeable	






**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Cayman Spectrum (NO) Co	2570 - 2620 MHz	Digital cellular		National Coverage	Start: 01-01-2008 Expiry: 31-12-2022 Tradeable	






**3.5 GHz Band**

3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Get	3413.5 - 3434.5 MHz (DL) 3513.5 - 3534.5 MHz (UL)	Digital cellular		Regional/local coverage Region 1-5	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3413.5 - 3417 MHz (DL) 3513.5 - 3517 MHz (UL)	Digital cellular		Regional/local coverage Region 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3417 - 3420.5 MHz (DL) 3517 - 3520.5 MHz (UL)	Digital cellular		Regional/local coverage Region 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3420.5 - 3424 MHz (DL) 3520.5 - 3524 MHz (UL)	Digital cellular		Regional/local coverage Region 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Ceragon Networks AS	3424 - 3427.5 MHz (DL) 3524 - 3527.5 MHz (UL)	Digital cellular		Regional/local coverage Region 6	Start: 22-12-2004 Expiry: 31-12-2022	



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Ceragon Networks AS	3427.5 - 3431 MHz (DL) 3527.5 - 3531 MHz (UL)	Digital cellular		Regional/local coverage Region 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Ceragon Networks AS	3431 - 3434.5 MHz (DL) 3531 - 3534.5 MHz (UL)	Digital cellular		Regional/local coverage Region 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3434.5 - 3438 MHz (DL) 3534.5 - 3538 MHz (UL)	Digital cellular		Regional/local coverage Region 1 og 5	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Ceragon Networks AS	3434.5 - 3438 MHz (DL) 3534.5 - 3538 MHz (UL)	Digital cellular		Regional/local coverage Region 4 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Vestlink	3434.5 - 3438 MHz (DL) 3534.5 - 3538 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 18-03-2005 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3438 - 3441.5 MHz (DL) 3538 - 3541.5 MHz (UL)	Digital cellular		Regional/local coverage Region 1, 2 og 5	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Ceragon Networks AS	3438 - 3441.5 MHz (DL) 3538 - 3541.5 MHz (UL)	Digital cellular		Regional/local coverage Region 4 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Vestlink	3438 - 3441.5 MHz (DL) 3538 - 3541.5 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 18-03-2005 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3441.5 - 3445 MHz (DL) 3541.5 - 3545 MHz (UL)	Digital cellular		Regional/local coverage Region 1, 2 og 5	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Ceragon Networks AS	3441.5 - 3445 MHz (DL) 3541.5 - 3545 MHz (UL)	Digital cellular		Regional/local coverage Region 4 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Vestlink	3441.5 - 3445 MHz (DL) 3541.5 - 3545 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 18-03-2005 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3445 - 3448.5 MHz (DL) 3545 - 3548.5 MHz (UL)	Digital cellular		Regional/local coverage Region 1, 2, 5 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Ceragon Networks AS	3445 - 3448.5 MHz (DL) 3545 - 3548.5 MHz (UL)	Digital cellular		Regional/local coverage Region 4	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Vestlink	3445 - 3448.5 MHz (DL) 3545 - 3548.5 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 18-03-2005 Expiry: 31-12-2022	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	NextGenTel AS	3448.5 - 3452 MHz (DL) 3548.5 - 3552 MHz (UL)	Digital cellular		Regional/local coverage Region 1-6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Telenor Norge AS	3452 - 3473 MHz (DL) 3552 - 3573 MHz (UL)	Digital cellular		Regional/local coverage Region 1-6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3473 - 3476.5 MHz (DL) 3573 - 3576.5 MHz (UL)	Digital cellular		Regional/local coverage Region 1-6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3476.5 - 3480 MHz (DL) 3576.5 - 3580 MHz (UL)	Digital cellular		Regional/local coverage Region 1-6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3480 - 3483.5 MHz (DL) 3580 - 3583.5 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3480 - 3483.5 MHz (DL) 3580 - 3583.5 MHz (UL)	Digital cellular		Regional/local coverage Region 1, 2, 4, 5 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3483.5 - 3485 MHz (DL) 3583.5 - 3585 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3483.5 - 3485 MHz (DL) 3583.5 - 3585 MHz (UL)	Digital cellular		Regional/local coverage Region 1, 2, 4, 5 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3485 - 3487 MHz (DL) 3585 - 3587 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3485 - 3487 MHz (DL) 3585 - 3587 MHz (UL)	Digital cellular		Regional/local coverage Region 1, 2, 4, 5 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3487 - 3490.5 MHz (DL) 3587 - 3590.5 MHz (UL)	Digital cellular		Regional/local coverage Region 4	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3487 - 3490.5 MHz (DL) 3587 - 3590.5 MHz (UL)	Digital cellular		Regional/local coverage Region 1, 2, 3, 5 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Broadnet AS	3490.5 - 3494 MHz (DL) 3590.5 - 3594 MHz (UL)	Digital cellular		Regional/local coverage Region 4	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3490.5 - 3494 MHz (DL) 3590.5 - 3594 MHz (UL)	Digital cellular		Regional/local coverage Region 1, 2, 3, 5 og 6	Start: 22-12-2004 Expiry: 31-12-2022	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Broadnet AS	3494 - 3497.5 MHz (DL) 3594 - 3597.5 MHz (UL)	Digital cellular		Regional/local coverage Region 4	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3494 - 3497.5 MHz (DL) 3594 - 3597.5 MHz (UL)	Digital cellular		Regional/local coverage Region 5 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Vestlink	3494 - 3497.5 MHz (DL) 3594 - 3597.5 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 18-03-2005 Expiry: 31-12-2022 Tradeable	
	NextGenTel AS	3497.5 - 3500 MHz (DL) 3597.5 - 3600 MHz (UL)	Digital cellular		Regional/local coverage Region 4, 5 og 6	Start: 22-12-2004 Expiry: 31-12-2022 Tradeable	
	Vestlink	3497.5 - 3500 MHz (DL) 3597.5 - 3600 MHz (UL)	Digital cellular		Regional/local coverage Region 3	Start: 18-03-2005 Expiry: 31-12-2022 Tradeable	

### 3.7 GHz Band







#### 3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telenor Norge AS	3610 - 3700 MHz	Digital cellular		Regional/local coverage Gjelder også de indre farvann	Start: 01-02-2016 Expiry: 31-12-2022 Tradeable	
	Telia Norge AS	3700 - 3800 MHz	Digital cellular		Regional/local coverage Gjelder også de indre farvann	Start: 01-02-2016 Expiry: 31-12-2022 Tradeable	

## Poland (2017)





## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	P4 Sp. z o.o.	925.1 - 930.1 MHz (DL) 880.1 - 885.1 MHz (UL)	GSM	Neutral	National Coverage	Start: 09-12-2008 Expiry: 31-12-2023 Tradeable	
	Aero 2 Sp. z o.o.	930.1 - 935.1 MHz (DL) 885.1 - 890.1 MHz (UL)	IMT	Neutral	National Coverage	Start: 09-12-2008 Expiry: 31-12-2023 Tradeable	
	POLKOMTEL S.A.	935.1 - 937.9 MHz (DL) 890.1 - 892.9 MHz (UL)	GSM	Neutral	National Coverage	Start: 23-02-1996 Expiry: 24-02-2026 Tradeable	
	T-Mobile Polska S.A.	937.9 - 942.3 MHz (DL) 892.9 - 897.3 MHz (UL)	GSM	Neutral	National Coverage	Start: 23-02-1996 Expiry: 24-02-2026 Tradeable	
	POLKOMTEL S.A.	942.3 - 948.5 MHz (DL) 897.3 - 903.5 MHz (UL)	GSM	Neutral	National Coverage	Start: 23-02-1996 Expiry: 24-02-2026 Tradeable	
	T-Mobile Polska S.A.	948.7 - 952.9 MHz (DL) 903.5 - 908.1 MHz (UL)	GSM	Neutral	National Coverage	Start: 23-02-1996 Expiry: 24-02-2026 Tradeable	

## 1800 MHz Mobile Band




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	CenterNet S.A.	1805.1 - 1814.9 MHz (DL) 1710.1 - 1719.9 MHz (UL)	GSM	Neutral (LTE in use)	National Coverage	Start: 30-11-2007 Expiry: 31-12-2022 Tradeable	
	Mobyland Sp. z o.o.	1815.1 - 1824.9 MHz (DL) 1720.1 - 1729.9 MHz (UL)	GSM	Neutral (LTE in use)	National Coverage	Start: 30-11-2007 Expiry: 31-12-2022 Tradeable	
	P4 Sp. z o.o.	1824.9 - 1839.9 MHz (DL) 1729.9 - 1744.9 MHz (UL)	GSM	Neutral	National Coverage	Start: 14-06-2013 Expiry: 31-12-2027 Tradeable	
	T-Mobile Polska S.A.	1839.9 - 1849.9 MHz (DL) 1744.9 - 1754.9 MHz (UL)	-	Neutral	National Coverage	Start: 14-06-2013 Expiry: 31-12-2027 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Polska S.A.	1855.3 - 1864.9 MHz (DL) 1760.3 - 1769.9 MHz (UL)	GSM	Neutral	National Coverage	Start: 21-08-1997 Expiry: 22-08-2027 Tradeable	




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	P4 Sp. z o.o.	1900.1 - 1905.1 MHz	IMT	Neutral	National Coverage	Start: 23-08-2005 Expiry: 31-12-2022 Tradeable	
	Polska Telefonía Cyfrowa S.A.	1910.1 - 1915.1 MHz	IMT	Neutral	National Coverage	Start: 20-12-2000 Expiry: 01-01-2023 Tradeable	
	Orange Polska S.A.	1915.1 - 1920.1 MHz	IMT	Neutral	National Coverage	Start: 20-12-2000 Expiry: 01-01-2023 Tradeable	


**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Polska S.A.	2110.5 - 2125.3 MHz (DL) 1920.5 - 1935.3 MHz (UL)	IMT	Neutral (UMTS in use)	National Coverage	Start: 20-12-2000 Expiry: 01-01-2023 Tradeable	
	POLKOMTEL Sp. z o.o.	2140.1 - 2154.9 MHz (DL) 1950.1 - 1964.9 MHz (UL)	IMT	Neutral (UMTS in use)	National Coverage	Start: 20-12-2000 Expiry: 01-01-2023 Tradeable	
	P4 Sp. z o.o.	2154.9 - 2169.7 MHz (DL) 1964.9 - 1979.7 MHz (UL)	IMT	Neutral (UMTS in use)	National Coverage	Start: 20-12-2000 Expiry: 31-12-2022 Tradeable	

**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Aero 2 Sp. z o.o.	2570 - 2620 MHz	-	Neutral (UMTS in use)	National Coverage	Start: 10-11-2009 Expiry: 31-12-2024	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	

### 3.7 GHz Band

#### 3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Clearwire Polska Sp. z o.o.	3602.75 - 3702.75 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Clearwire Polska Sp. z o.o.	3606.25 - 3706.25 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Clearwire Polska Sp. z o.o.	3609.75 - 3709.75 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Clearwire Polska Sp. z o.o.	3613.25 - 3713.25 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Naukowa i Akademicka Sie&#263; Komputerowa NASK	3630.75 - 3730.75 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Naukowa i Akademicka Sie&#263; Komputerowa NASK	3634.25 - 3734.25 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Naukowa i Akademicka Sie&#263; Komputerowa NASK	3637.75 - 3737.75 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Naukowa i Akademicka Sie&#263; Komputerowa NASK	3641.25 - 3741.25 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Netia S.A.	3644.75 - 3744.75 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Netia S.A.	3644.75 - 3744.75 MHz	Point-to-Multipoint		One Transmitter Long:21E3534 Lat:52N4540	Expiry: 31-10-2021 Tradeable	
	Netia S.A.	3648.25 - 3748.25 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Netia S.A.	3648.25 - 3748.25 MHz	Point-to-Multipoint		One Transmitter Long:21E3534 Lat:52N4540	Expiry: 31-10-2021 Tradeable	
	Netia S.A.	3651.75 - 3751.75 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Netia S.A.	3651.75 - 3751.75 MHz	Point-to-Multipoint		One Transmitter Long:21E3534 Lat:52N4540	Expiry: 31-10-2021 Tradeable	
	Netia S.A.	3655.25 - 3755.25 MHz	Point-to-Multipoint		National Coverage	Expiry: 31-01-2020 Tradeable	
	Netia S.A.	3655.25 - 3755.25 MHz	Point-to-Multipoint		One Transmitter Long:21E3534 Lat:52N4540	Expiry: 31-10-2021 Tradeable	



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Espol Sp. z o.o.	3658.75 - 3758.75 MHz	Point-to-Multipoint		One Transmitter Long:14E2854 Lat:53N1939	Expiry: 30-11-2020 Tradeable	
	Województwo Wielkopolskie	3658.75 - 3758.75 MHz	Point-to-Multipoint		One Transmitter Long:18E1231 Lat:52N0918	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3658.75 - 3758.75 MHz	Point-to-Multipoint		One Transmitter Long:18E3923 Lat:52N1120	Expiry: 31-10-2021 Tradeable	
	Espol Sp.z o.o.	3662.25 - 3762.25 MHz	Point-to-Multipoint		One Transmitter Long:14E2854 Lat:53N1939	Expiry: 30-11-2020 Tradeable	
	Województwo Wielkopolskie	3662.25 - 3762.25 MHz	Point-to-Multipoint		One Transmitter Long:18E1231 Lat:52N0918	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3662.25 - 3762.25 MHz	Point-to-Multipoint		One Transmitter Long:18E0956 Lat:52N0416	Expiry: 31-08-2021 Tradeable	
	Województwo Wielkopolskie	3662.25 - 3762.25 MHz	Point-to-Multipoint		One Transmitter Long:16E0731 Lat:52N0638	Expiry: 30-09-2021 Tradeable	
	Województwo Wielkopolskie	3662.25 - 3762.25 MHz	Point-to-Multipoint		One Transmitter Long:18E3923 Lat:52N1120	Expiry: 31-10-2021 Tradeable	
	Województwo Wielkopolskie	3662.25 - 3762.25 MHz	Point-to-Multipoint		One Transmitter Long:18E4913 Lat:52N0515	Expiry: 31-10-2021 Tradeable	
	Espol Sp. z o.o.	3665.75 - 3765.75 MHz	Point-to-Multipoint		One Transmitter Long:14E2854 Lat:53N2534	Expiry: 30-11-2020 Tradeable	
	Województwo Wielkopolskie	3665.75 - 3765.75 MHz	Point-to-Multipoint		One Transmitter Long:18E1231 Lat:52N0918	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3665.75 - 3765.75 MHz	Point-to-Multipoint		One Transmitter Long:18E0956 Lat:52N0638	Expiry: 31-08-2021 Tradeable	
	Województwo Wielkopolskie	3665.75 - 3765.75 MHz	Point-to-Multipoint		One Transmitter Long:16E0731 Lat:52N0638	Expiry: 30-09-2021 Tradeable	
	Województwo Wielkopolskie	3665.75 - 3765.75 MHz	Point-to-Multipoint		One Transmitter Long:18E3923 Lat:52N1120	Expiry: 31-10-2021 Tradeable	
	Espol Sp. z o.o.	3669.25 - 3769.25 MHz	Point-to-Multipoint		One Transmitter Long:14E2854 Lat:53N2534	Expiry: 30-11-2020 Tradeable	
	Województwo Wielkopolskie	3669.25 - 3769.25 MHz	Point-to-Multipoint		One Transmitter Long:18E1231 Lat:52N0918	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3669.25 - 3769.25 MHz	Point-to-Multipoint		One Transmitter Long:18E0956 Lat:52N0416	Expiry: 31-08-2021 Tradeable	
	Województwo Wielkopolskie	3669.25 - 3769.25 MHz	Point-to-Multipoint		One Transmitter Long:16E0731 Lat:52N0638	Expiry: 30-09-2021 Tradeable	
	Województwo Wielkopolskie	3669.25 - 3769.25 MHz	Point-to-Multipoint		One Transmitter Long:18E3923 Lat:52N1120	Expiry: 31-10-2021 Tradeable	




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Województwo Wielkopolskie	3669.25 - 3769.25 MHz	Point-to-Multipoint		One Transmitter Long:18E4913 Lat:52N0515	Expiry: 31-10-2021 Tradeable	
	Complex Computers Sp. z o.o.	3672.75 - 3772.75 MHz	Point-to-Multipoint		One Transmitter Long:20E3659 Lat:50N5351	Expiry: 31-05-2020 Tradeable	
	Complex Computers Sp. z o.o.	3672.75 - 3772.75 MHz	Point-to-Multipoint		One Transmitter Long:20E3754 Lat:50N5235	Expiry: 31-05-2020 Tradeable	
	Województwo Wielkopolskie	3672.75 - 3772.75 MHz	Point-to-Multipoint		One Transmitter Long:17E3435 Lat:52N1939	Expiry: 31-10-2020 Tradeable	
	Województwo Wielkopolskie	3672.75 - 3772.75 MHz	Point-to-Multipoint		One Transmitter Long:17E2913 Lat:52N1224	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3672.75 - 3772.75 MHz	Point-to-Multipoint		One Transmitter Long:18E0956 Lat:52N0416	Expiry: 30-09-2021 Tradeable	
	Complex Computers Sp. z o.o.	3676.25 - 3776.25 MHz	Point-to-Multipoint		One Transmitter Long:20E3659 Lat:50N5351	Expiry: 31-05-2020 Tradeable	
	Complex Computers Sp. z o.o.	3676.25 - 3776.25 MHz	Point-to-Multipoint		One Transmitter Long:20E3754 Lat:50N5235	Expiry: 31-05-2020 Tradeable	
	Województwo Wielkopolskie	3676.25 - 3776.25 MHz	Point-to-Multipoint		One Transmitter Long:17E3435 Lat:52N1939	Expiry: 31-10-2020 Tradeable	
	Województwo Wielkopolskie	3676.25 - 3776.25 MHz	Point-to-Multipoint		One Transmitter Long:17E2913 Lat:52N1224	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3676.25 - 3776.25 MHz	Point-to-Multipoint		One Transmitter Long:18E0956 Lat:52N0416	Expiry: 30-09-2021 Tradeable	
	Województwo Wielkopolskie	3676.25 - 3776.25 MHz	Point-to-Multipoint		One Transmitter Long:18E3923 Lat:52N1255	Expiry: 31-10-2021 Tradeable	
	Complex Computers Sp. z o.o.	3679.75 - 3779.75 MHz	Point-to-Multipoint		One Transmitter Long:20E3659 Lat:50N5351	Expiry: 31-05-2020 Tradeable	
	Complex Computers Sp. z o.o.	3679.75 - 3779.75 MHz	Point-to-Multipoint		One Transmitter Long:20E3754 Lat:50N5235	Expiry: 31-05-2020 Tradeable	
	Województwo Wielkopolskie	3679.75 - 3779.75 MHz	Point-to-Multipoint		One Transmitter Long:17E3435 Lat:52N1939	Expiry: 31-10-2020 Tradeable	
	Województwo Wielkopolskie	3679.75 - 3779.75 MHz	Point-to-Multipoint		One Transmitter Long:17E2913 Lat:52N1224	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3679.75 - 3779.75 MHz	Point-to-Multipoint		One Transmitter Long:18E0956 Lat:52N0416	Expiry: 30-09-2021 Tradeable	
	Województwo Wielkopolskie	3679.75 - 3779.75 MHz	Point-to-Multipoint		One Transmitter Long:18E3923 Lat:52N1255	Expiry: 31-10-2021 Tradeable	
	Complex Computers Sp.z o.o.	3683.25 - 3783.25 MHz	Point-to-Multipoint		One Transmitter Long:20E3659 Lat:50N5351	Expiry: 31-05-2020 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Complex Computers Sp. z o.o.	3683.25 - 3783.25 MHz	Point-to-Multipoint		One Transmitter Long:20E3754 Lat:50N5235	Expiry: 31-05-2020 Tradeable	
	Województwo Wielkopolskie	3683.25 - 3783.25 MHz	Point-to-Multipoint		One Transmitter Long:17E3435 Lat:52N1939	Expiry: 31-10-2020 Tradeable	
	Województwo Wielkopolskie	3683.25 - 3783.25 MHz	Point-to-Multipoint		One Transmitter Long:17E2813 Lat:52N1224	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3683.25 - 3783.25 MHz	Point-to-Multipoint		One Transmitter Long:18E0956 Lat:52N0416	Expiry: 30-09-2021 Tradeable	
	Województwo Wielkopolskie	3683.25 - 3783.25 MHz	Point-to-Multipoint		One Transmitter Long:18E0956 Lat:52N0416	Expiry: 30-09-2021 Tradeable	
	Województwo Wielkopolskie	3683.25 - 3783.25 MHz	Point-to-Multipoint		One Transmitter Long:18E3923 Lat:52N1255	Expiry: 31-10-2021 Tradeable	
	Województwo Wielkopolskie	3686.75 - 3786.75 MHz	Point-to-Multipoint		One Transmitter Long:19E1218 Lat:51N1606	Expiry: 31-10-2020 Tradeable	
	Województwo Wielkopolskie	3686.75 - 3786.75 MHz	Point-to-Multipoint		One Transmitter Long:17E2913 Lat:52N1224	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3690.25 - 3790.25 MHz	Point-to-Multipoint		One Transmitter Long:19E1218 Lat:51N5634	Expiry: 31-10-2020 Tradeable	
	Województwo Wielkopolskie	3690.25 - 3790.25 MHz	Point-to-Multipoint		One Transmitter Long:17E2913 Lat:52N1224	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3693.75 - 3793.75 MHz	Point-to-Multipoint		One Transmitter Long:17E2913 Lat:52N1224	Expiry: 31-07-2021 Tradeable	
	Województwo Wielkopolskie	3697.25 - 3797.25 MHz	Point-to-Multipoint		One Transmitter Long:17E2913 Lat:52N1224	Expiry: 31-07-2021 Tradeable	

## Portugal (2017)




## 800 MHz Mobile Band (the UHF band)


790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MEO - Serviços de Comunicações e Multimédia, S.A.	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 10 MHz
	VODAFONE PORTUGAL Comunicações Pessoais, S.A.	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 10 MHz
	NOS Comunicações, S.A.	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 10 MHz

## 900 MHz Mobile Band




880-915 MHz / 925-960 MHz (paired frequency arrangement)




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE PORTUGAL Comunicações Pessoais, S.A.	930 - 935 MHz (DL) 885 - 890 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be part of the annex of the Decision	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 5 MHz
	VODAFONE PORTUGAL Comunicações Pessoais, S.A.	935.1 - 940.1 MHz (DL) 890.1 - 895.1 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be part of the annex of the Decision	National Coverage	Start: 19-10-2006 Expiry: 19-10-2021 Tradeable	2 x 5 MHz
	NOS Comunicações, S.A.	943.1 - 950.9 MHz (DL) 898.1 - 905.9 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/	National Coverage	Start: 20-11-2012 Expiry: 20-11-2027 Tradeable	2 x 7.8 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
				UE, as well as other systems that may be part of the annex of the Decision			
	MEO - Serviços de Comunicações e Multimédia, S.A.	950.9 - 958.9 MHz (DL) 905.9 - 913.9 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be part of the annex of the Decision	National Coverage	Start: 16-03-2007 Expiry: 16-03-2022 Tradeable	2 x 8 MHz

**1800 MHz Mobile Band**


1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE PORTUGAL Comunicações Pessoais. S.A.	- 1805 - 1825 MHz (DL) 1710 - 1730 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be part of the annex of the Decision	National Coverage	Start: 19-10-2006 Expiry: 19-10-2021 Tradeable	2 x 6 MHz
	VODAFONE PORTUGAL Comunicações Pessoais. S.A.	- 1805 - 1825 MHz (DL) 1710 - 1730 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be part of the annex of the Decision	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 14 MHz
	NOS Comunicações, S.A.	1825 - 1845 MHz (DL) 1730 - 1750 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 14 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
				part of the annex of the Decision			
	NOS Comunicações, S.A.	1825 - 1845 MHz (DL) 1730 - 1750 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be part of the annex of the Decision	National Coverage	Start: 20-11-2012 Expiry: 20-11-2027 Tradeable	2 x 6 MHz
	MEO - Serviços de Comunicações e Multimédia, S.A.	1845 - 1865 MHz (DL) 1750 - 1770 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be part of the annex of the Decision	National Coverage	Start: 16-03-2007 Expiry: 16-03-2022 Tradeable	2 x 6 MHz
	MEO - Serviços de Comunicações e Multimédia, S.A.	1845 - 1865 MHz (DL) 1750 - 1770 MHz (UL)	TRA-ECS	Systems identified in Annex of Decision 2009/766/CE, amended by Decision 2011/251/UE, as well as other systems that may be part of the annex of the Decision	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 14 MHz

**2 GHz Mobile Band**




1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE PORTUGAL Comunicações Pessoais. S.A.	2110.3 - 2130.1 MHz (DL) 1920.3 - 1940.1 MHz (UL)	TRA-ECS	UMTS FDD and other systems that respect the technical conditions that may be established in the scope of implementation of Decision 676/2002/CE	National Coverage	Start: 11-01-2001 Expiry: 05-05-2033 Tradeable	2 x 20 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	NOS Comunicações, S.A.	2130.1 - 2144.9 MHz (DL) 1940.1 - 1954.9 MHz (UL)	TRA-ECS	UMTS FDD and other systems that respect the technical conditions that may be established in the scope of implementation of Decision 676/2002/CE	National Coverage	Start: 11-01-2001 Expiry: 04-06-2033 Tradeable	2 x 15 MHz
	MEO - Serviços de Comunicações e Multimédia, S.A.	2149.9 - 2169.7 MHz (DL) 1959.9 - 1979.7 MHz (UL)	TRA-ECS	UMTS FDD and other systems that respect the technical conditions that may be established in the scope of implementation of Decision 676/2002/CE	National Coverage	Start: 11-01-2001 Expiry: 21-04-2033 Tradeable	2 x 20 MHz


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE PORTUGAL Comunicações Pessoais, S.A.	2630 - 2650 MHz (DL) 2510 - 2530 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 20 MHz
	NOS Comunicações, S.A.	2650 - 2670 MHz (DL) 2530 - 2550 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 20 MHz
	MEO - Serviços de Comunicações e Multimédia, S.A.	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	2 x 20 MHz



**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE PORTUGAL Comunicações Pessoais, S.A.	2570 - 2595 MHz	TRA-ECS	Technology neutral	National Coverage	Start: 09-03-2012 Expiry: 09-03-2027 Tradeable	25 MHz


**3.5 GHz Band**

3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Broadband Portugal BBP, Unipessoal, Lda.	3541 - 3569 MHz (DL) 3441 - 3469 MHz (UL)	BWA	Technology neutral	Regional/local coverage Zones 1 and 2	Start: 05-08-2010 Expiry: 05-08-2025 Tradeable	2 x 28 MHz (Regulation no. 427/2009, published on 29 October rectified by Declaration no. 2930/2009, published on 27 November). The frequency band may be tradable two years after being in commercial operation.
	Broadband Portugal BBP, Unipessoal, Lda.	3572 - 3600 MHz (DL) 3472 - 3500 MHz (UL)	BWA	Technology neutral	Regional/local coverage Zones 1 to 8	Start: 05-08-2010 Expiry: 05-08-2025 Tradeable	2 x 28 MHz (Regulation no. 427/2009, published on 29 October rectified by Declaration no. 2930/2009, published on 27 de November). The frequency band may be tradable two years after being in commercial operation.

**3.7 GHz Band**

3600-3800 MHz




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Broadband Portugal BBP, Unipessoal, Lda.	3702 - 3730 MHz (DL) 3602 - 3630 MHz (UL)	BWA	Technology neutral	Regional/local coverage Zone 1	Start: 05-08-2010 Expiry: 05-08-2025 Tradeable	2 x 28 MHz (Regulation no. 427/2009, published on 29 October rectified by Declaration no. 2930/2009, published on 27 de November). The frequency band may be tradable two years after being in commercial operation.



## Romania (2014)






## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE ROMANIA S.A.	796 - 806 MHz (DL) 837 - 847 MHz (UL)	Digital cellular		National Coverage	Expiry: 05-04-2029	
	ORANGE ROMANIA S.A.	806 - 816 MHz (DL) 847 - 857 MHz (UL)	Digital cellular		National Coverage	Expiry: 05-04-2029	
	TELEKOM ROMANIA MOBILE COMMUNICATIONS S.A.	816 - 821 MHz (DL) 857 - 862 MHz (UL)	Digital cellular		National Coverage	Expiry: 05-04-2029	



## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE ROMANIA S.A.	925 - 935 MHz (DL) 880 - 890 MHz (UL)	Digital cellular	GSM	National Coverage	Expiry: 05-04-2029	
	TELEKOM ROMANIA MOBILE COMMUNICATIONS S.A.	930 - 940 MHz (DL) 885 - 895 MHz (UL)	Digital cellular	GSM	National Coverage	Expiry: 05-04-2029	
	RCS-RDS S.A.	935 - 940 MHz (DL) 890 - 895 MHz (UL)	Digital cellular	GSM	National Coverage	Expiry: 05-04-2029	
	TELEKOM ROMANIA MOBILE COMMUNICATIONS S.A.	940 - 950 MHz (DL) 895 - 905 MHz (UL)	Digital cellular	GSM	National Coverage	Expiry: 05-04-2029	
	ORANGE ROMANIA S.A.	950 - 960 MHz (DL) 905 - 915 MHz (UL)	Digital cellular	GSM	National Coverage	Expiry: 05-04-2029	





## 1800 MHz Mobile Band

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE ROMANIA S.A.	1805 - 1835 MHz (DL) 1710 - 1740 MHz (UL)	Digital cellular	GSM	National Coverage	Expiry: 05-04-2029	
	TELEKOM ROMANIA MOBILE COMMUNICATIONS S.A.	1855 - 1880 MHz (DL) 1760 - 1785 MHz (UL)	Digital cellular	GSM	National Coverage	Expiry: 05-04-2029	





**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEMOBIL S.A.	1899.9 - 1904.9 MHz	IMT		National Coverage	Expiry: 19-01-2022	
	ORANGE ROMANIA S.A.	1904.9 - 1909.9 MHz	IMT		National Coverage	Expiry: 31-03-2020	
	VODAFONE ROMANIA S.A.	1909.9 - 1914.9 MHz	IMT		National Coverage	Expiry: 31-03-2020	
	RCS&RDS S.A.	1914.9 - 1919.9 MHz	IMT		National Coverage	Expiry: 05-01-2022	



**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	RCS&RDS S.A.	2110.3 - 2125.3 MHz (DL) 1920.3 - 1935.3 MHz (UL)	Digital cellular	IMT	National Coverage	Expiry: 05-01-2022	
	TELEMOBIL S.A.	2125.3 - 2140.1 MHz (DL) 1935.3 - 1950.1 MHz (UL)	Digital cellular	IMT	National Coverage	Expiry: 19-01-2022	
	ORANGE ROMANIA S.A.	2140.1 - 2154.9 MHz (DL) 1950.1 - 1964.9 MHz (UL)	Digital cellular	IMT	National Coverage	Expiry: 31-03-2020	
	VODAFONE ROMANIA S.A.	2154.9 - 2169.7 MHz (DL) 1964.9 - 1979.7 MHz (UL)	Digital cellular	IMT	National Coverage	Expiry: 31-03-2020	



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEKOM ROMANIA MOBILE COMMUNICATIONS S.A.	2620 - 2630 MHz (DL) 2500 - 2510 MHz (UL)	Digital cellular	Neutral	National Coverage	Expiry: 05-04-2029	
	ORANGE ROMANIA S.A.	2630 - 2650 MHz (DL) 2510 - 2530 MHz (UL)	Digital cellular	Neutral	National Coverage	Expiry: 05-04-2029	

**2.6 GHz Mobile Band**





2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	2K TELECOM S.A.	2570 - 2600 MHz	Digital cellular	Neutral	National Coverage	Expiry: 05-04-2029	
	VODAFONE ROMANIA S.A.	2600 - 2615 MHz	Digital cellular		National Coverage	Expiry: 05-04-2029	

Russian Federation (2016)





**800 MHz Mobile Band (the UHF band)**

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T2 Mobile	791 - 798.5 MHz (DL) 832 - 839.5 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed
	MTS	798.5 - 806 MHz (DL) 839.5 - 847 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed
	MegaFon	806 - 813.5 MHz (DL) 847 - 854.5 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed
	Vimpelcom	813.5 - 821 MHz (DL) 854.5 - 862 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed





**900 MHz Mobile Band**

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MTS	925 - 960 MHz (DL) 880 - 915 MHz (UL)	IMT	GSM, UMTS	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The frequencies in operation may differ depending on the region of the country. The joint usage of frequencies by license holders is allowed.
	MegaFon	925 - 960 MHz (DL) 880 - 915 MHz (UL)	IMT	GSM, UMTS	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The frequencies in operation may differ depending on the region of the country. The joint usage of frequencies by license holders is allowed.
	Vimpelcom	925 - 960 MHz (DL) 880 - 915 MHz (UL)	IMT	GSM, UMTS	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The frequencies in operation may differ depending on the region of the country. The joint usage of frequencies by license holders is allowed.
	Other regional operators	925 - 960 MHz (DL) 880 - 915 MHz (UL)	IMT	GSM, UMTS	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The frequencies in operation may differ depending on the region of the country. The joint usage of frequencies by license holders is allowed.


**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MTS	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	IMT	GSM, LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The frequencies in operation may differ depending on the region of the country. The joint usage of frequencies by license holders is allowed.
	Vimpelcom	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	IMT	GSM, LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The frequencies in operation may differ depending on the region of the country. The joint usage of frequencies by license holders is allowed.
	MegaFon	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	IMT	GSM, LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The frequencies in operation may differ depending on the region of the country. The joint usage of frequencies by license holders is allowed.
	Other regional operators	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	IMT	GSM, LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The frequencies in operation may differ depending on the region of the country. The joint usage of frequencies by license holders is allowed.





**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	GC Antares	1900 - 1920 MHz	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The networks have not been deployed




**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T2 Mobile	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-04-2016 Expiry: 31-12-2026	
	MegaFon	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-04-2016 Expiry: 31-12-2026	
	MTS	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-04-2016 Expiry: 31-12-2026	
	Vimpelcom	2155 - 2170 MHz (DL) 1965 - 1980 MHz (UL)	IMT	UMTS	National Coverage	Start: 01-04-2016 Expiry: 31-12-2026	




**2 GHz Mobile Band**

2010-2025 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MegaFon	2010 - 2015 MHz	IMT	UMTS	National Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The networks have not been deployed
	MTS	2015 - 2020 MHz	IMT	UMTS	National Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The networks have not been deployed
	Vimpelcom	2020 - 2025 MHz	IMT	UMTS	National Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The networks have not been deployed






2300 MHz - 2400 MHz Mobile Band

2300 MHz - 2400 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	T2 Mobile	2300 - 2400 MHz	IMT	LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2019	The frequencies for operation may differ depending on the region of the country. The networks have not been deployed
	Vainah Telecom	2300 - 2340 MHz	IMT	LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2019	
	Vainah Telecom	2370 - 2400 MHz	IMT	LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2019	





2.6 GHz Mobile Band

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Skartel	2620 - 2650 MHz (DL) 2500 - 2530 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed
	MegaFon	2650 - 2660 MHz (DL) 2530 - 2540 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed
	MTS	2660 - 2670 MHz (DL) 2540 - 2550 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed
	Vimpelcom	2670 - 2680 MHz (DL) 2550 - 2560 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed
	T2 Mobile	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2022	The joint usage of frequencies by license holders is allowed

**2.6 GHz Mobile Band**




2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	MegaFon	2570 - 2595 MHz	IMT	LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The networks have not been deployed. The joint usage of frequencies by license holders is allowed
	Vimpelcom	2570 - 2595 MHz	IMT	LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The networks have not been deployed. The joint usage of frequencies by license holders is allowed
	Other regional operators	2570 - 2595 MHz	IMT	LTE	Regional/local coverage Regional Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The networks have not been deployed. The joint usage of frequencies by license holders is allowed
	MTS	2595 - 2620 MHz	IMT	LTE	National Coverage	Start: 01-04-2016 Expiry: 31-12-2026	The networks have not been deployed. The joint usage of frequencies by license holders is allowed

## Serbia (2017)




## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEKOM SRBIJA	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN		National Coverage	Start: 12-02-2016 Expiry: 12-02-2026	
	Telenor	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN		National Coverage	Start: 12-02-2016 Expiry: 12-02-2026	
	VIP MOBILE	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN		National Coverage	Start: 12-02-2016 Expiry: 12-02-2026	




## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VIP MOBILE	935.1 - 939.3 MHz (DL) 890.1 - 894.3 MHz (UL)	IMT		National Coverage	Start: 10-11-2016 Expiry: 10-11-2026	
	TELEKOM SRBIJA	939.5 - 949.1 MHz (DL) 894.5 - 904.1 MHz (UL)	IMT		National Coverage	Start: 28-07-2016 Expiry: 28-07-2026	
	TELENOR	949.3 - 958.9 MHz (DL) 904.3 - 913.9 MHz (UL)	IMT		National Coverage	Start: 25-08-2016 Expiry: 25-08-2026	

## 1800 MHz Mobile Band




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELENOR	1805 - 1825 MHz (DL) 1710 - 1730 MHz (UL)	IMT		National Coverage	Start: 25-08-2016 Expiry: 25-08-2026	
	TELEKOM SRBIJA	1825 - 1845 MHz (DL) 1730 - 1750 MHz (UL)	IMT		National Coverage	Start: 28-07-2016 Expiry: 28-07-2026	
	VIP MOBILE	1845 - 1875 MHz (DL) 1750 - 1780 MHz (UL)	IMT		National Coverage	Start: 10-11-2016 Expiry: 10-11-2026	

## 2 GHz Mobile Band






1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELENOR	1900 - 1905 MHz	IMT	UTRA TDD	National Coverage	Start: 25-08-2016 Expiry: 25-08-2026	
	TELEKOM SRBIJA	1905 - 1910 MHz	IMT	UTRA TDD	National Coverage	Start: 28-07-2016 Expiry: 28-07-2026	
	VIP MOBILE	1910 - 1915 MHz	IMT	UTRA TDD	National Coverage	Start: 10-11-2016 Expiry: 10-11-2026	

2 GHz Mobile Band







1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELENOR	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	MFCN		National Coverage	Start: 25-08-2016 Expiry: 25-08-2026	
	TELEKOM SRBIJA	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	MFCN		National Coverage	Start: 28-07-2016 Expiry: 28-07-2026	
	VIP MOBILE	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	MFCN		National Coverage	Start: 10-11-2016 Expiry: 10-11-2026	

## Slovakia (2017)





## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Slovak Telekom, a.s.	791 - 796 MHz (DL) 832 - 837 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	796 - 801 MHz (DL) 837 - 842 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Orange Slovensko, a.s.	801 - 806 MHz (DL) 842 - 847 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 07-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Orange Slovensko, a.s.	806 - 811 MHz (DL) 847 - 852 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 07-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	811 - 816 MHz (DL) 852 - 857 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 03-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	816 - 821 MHz (DL) 857 - 862 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 03-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights

## 900 MHz Mobile Band


880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	O2 Slovakia, s.r.o.	927.9 - 934.9 MHz (DL) 882.9 - 889.9 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 07-09-2006 Expiry: 07-09-2026 Tradeable	transfer of rights
	Orange Slovensko, a.s.	935.1 - 941.1 MHz (DL) 890.1 - 896.1 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Slovak Telekom, a.s.	941.1 - 947.1 MHz (DL) 896.1 - 902.1 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	947.1 - 950.1 MHz (DL) 902.1 - 905.1 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights





	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Slovak Telekom, a.s.	950.1 - 953.1 MHz (DL) 905.1 - 908.1 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	953.1 - 953.9 MHz (DL) 908.1 - 908.9 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 07-09-2006 Expiry: 07-09-2026 Tradeable	transfer of rights
	Orange Slovensko, a.s.	953.9 - 954.3 MHz (DL) 908.9 - 909.3 MHz (UL)	TRA-ECS	GSM/EDGE	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Slovak Telekom, a.s.	954.3 - 954.5 MHz (DL) 909.3 - 909.5 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	954.5 - 955.3 MHz (DL) 909.5 - 910.3 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 07-09-2006 Expiry: 07-09-2026 Tradeable	transfer of rights
	Slovak Telekom, a.s.	955.3 - 955.9 MHz (DL) 910.3 - 910.9 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	955.9 - 956.7 MHz (DL) 910.9 - 911.7 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 07-09-2006 Expiry: 07-09-2026 Tradeable	transfer of rights
	Slovak Telekom, a.s.	956.7 - 957.1 MHz (DL) 911.7 - 912.1 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	957.1 - 957.3 MHz (DL) 912.1 - 912.3 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	957.3 - 958.1 MHz (DL) 912.3 - 913.1 MHz (UL)	TRA-ECS	GSM, UMTS	National Coverage	Start: 07-09-2006 Expiry: 07-09-2026 Tradeable	transfer of rights
	Orange Slovensko, a.s.	958.1 - 958.7 MHz (DL) 913.1 - 913.7 MHz (UL)	TRA-ECS	UMTS	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights

**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	SWAN Mobile, a.s.	1805.1 - 1810.1 MHz (DL) 1710.1 - 1715.1 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 08-01-2014 Expiry: 07-09-2026 Tradeable	transfer of rights

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Slovensko, a.s.	1810.1 - 1811.3 MHz (DL) 1715.1 - 1716.3 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 07-01-2014 Expiry: 07-09-2026 Tradeable	transfer of rights
	Orange Slovensko, a.s.	1811.3 - 1812.3 MHz (DL) 1716.3 - 1717.3 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	1812.3 - 1818.5 MHz (DL) 1717.3 - 1723.5 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	1818.5 - 1819.1 MHz (DL) 1723.5 - 1724.1 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	1819.1 - 1820.1 MHz (DL) 1724.1 - 1725.1 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 07-01-2014 Expiry: 07-09-2026 Tradeable	transfer of rights
	Slovak Telekom, a.s.	1820.1 - 1821.6 MHz (DL) 1725.1 - 1726.5 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Slovak Telekom, a.s.	1821.5 - 1828.9 MHz (DL) 1726.5 - 1733.9 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Slovak Telekom, a.s.	1828.9 - 1833.5 MHz (DL) 1733.9 - 1738.5 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	1833.5 - 1838.9 MHz (DL) 1738.5 - 1743.9 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	1838.9 - 1841.1 MHz (DL) 1743.9 - 1746.1 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 07-01-2014 Expiry: 07-09-2026 Tradeable	transfer of rights
	Slovak Telekom, a.s.	1841.1 - 1842.1 MHz (DL) 1746.1 - 1747.1 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Slovak Telekom, a.s.	1842.1 - 1842.9 MHz (DL) 1747.1 - 1747.9 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 28-07-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	1842.9 - 1844.9 MHz (DL) 1747.9 - 1749.9 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 06-09-2000 Expiry: 31-12-2025 Tradeable	transfer of rights
	Orange Slovensko, a.s.	1844.9 - 1845.3 MHz (DL) 1749.9 - 1750.3 MHz (UL)	TRA-ECS	GSM	National Coverage	Start: 07-01-2014 Expiry: 07-09-2026 Tradeable	transfer of rights

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	O2 Slovakia, s.r.o.	1845.3 - 1860.5 MHz (DL) 1750.3 - 1765.5 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 07-09-2006 Expiry: 07-09-2026 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	1860.5 - 1861.1 MHz (DL) 1765.5 - 1766.1 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 03-01-2014 Expiry: 07-09-2026 Tradeable	transfer of rights
	SWAN Mobile, a.s.	1861.1 - 1866.1 MHz (DL) 1766.1 - 1771.1 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 08-01-2014 Expiry: 07-09-2026 Tradeable	transfer of rights
	SWAN Mobile, a.s.	1866.1 - 1871.1 MHz (DL) 1771.1 - 1776.1 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 08-01-2014 Expiry: 07-09-2026 Tradeable	transfer of rights




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Slovensko, a.s.	1900 - 1905 MHz	TRA-ECS	not used (TDD)	National Coverage	Start: 19-07-2002 Expiry: 31-08-2026 Tradeable	transfer of rights
	Slovak Telekom, a.s.	1905 - 1910 MHz	TRA-ECS	not used (TDD)	National Coverage	Start: 16-07-2002 Expiry: 31-08-2026 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	1910 - 1915 MHz	TRA-ECS	not used (TDD)	National Coverage	Start: 07-09-2006 Expiry: 07-09-2026 Tradeable	transfer of rights

**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Orange Slovensko, a.s.	2110 - 2130 MHz (DL) 1920 - 1940 MHz (UL)	TRA-ECS	UMTS(FDD)	National Coverage	Start: 19-07-2002 Expiry: 31-08-2026 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2130 - 2150 MHz (DL) 1940 - 1960 MHz (UL)	TRA-ECS	UMTS(FDD)	National Coverage	Start: 16-07-2000 Expiry: 31-08-2026 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	2150 - 2170 MHz (DL) 1960 - 1980 MHz (UL)	TRA-ECS	UMTS(FDD)	National Coverage	Start: 07-09-2006 Expiry: 07-09-2026	transfer of rights

Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
					Tradeable	

**2.6 GHz Mobile Band**










2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)


Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
 Orange Slovensko, a.s.	2620 - 2625 MHz (DL) 2500 - 2505 MHz (UL)	TRA-ECS	LTE(FDD)	National Coverage	Start: 07-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Orange Slovensko, a.s.	2625 - 2630 MHz (DL) 2505 - 2510 MHz (UL)	TRA-ECS	LTE(FDD)	National Coverage	Start: 07-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Orange Slovensko, a.s.	2630 - 2635 MHz (DL) 2510 - 2515 MHz (UL)	TRA-ECS	LTE(FDD)	National Coverage	Start: 07-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Orange Slovensko, a.s.	2635 - 2640 MHz (DL) 2515 - 2520 MHz (UL)	TRA-ECS	LTE(FDD)	National Coverage	Start: 07-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Orange Slovensko, a.s.	2640 - 2645 MHz (DL) 2520 - 2525 MHz (UL)	TRA-ECS	LTE(FDD)	National Coverage	Start: 07-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Orange Slovensko, a.s.	2645 - 2650 MHz (DL) 2525 - 2530 MHz (UL)	TRA-ECS	LTE(FDD)	National Coverage	Start: 07-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Slovak Telekom, a.s.	2650 - 2655 MHz (DL) 2530 - 2535 MHz (UL)	TRA-ECS	LTE (FDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Slovak Telekom, a.s.	2655 - 2660 MHz (DL) 2535 - 2540 MHz (UL)	TRA-ECS	LTE (FDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Slovak Telekom, a.s.	2660 - 2665 MHz (DL) 2540 - 2545 MHz (UL)	TRA-ECS	LTE (FDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Slovak Telekom, a.s.	2665 - 2670 MHz (DL) 2545 - 2550 MHz (UL)	TRA-ECS	LTE (FDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Slovak Telekom, a.s.	2670 - 2675 MHz (DL) 2550 - 2555 MHz (UL)	TRA-ECS	LTE (FDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
 Slovak Telekom, a.s.	2675 - 2680 MHz (DL)	TRA-ECS	LTE (FDD)	National Coverage	Start: 08-01-2014	transfer of rights

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
		2555 - 2560 MHz (UL)				Expiry: 31-12-2028 Tradeable	
	Slovak Telekom, a.s.	2680 - 2685 MHz (DL) 2560 - 2565 MHz (UL)	TRA-ECS	LTE (FDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2685 - 2690 MHz (DL) 2565 - 2570 MHz (UL)	TRA-ECS	LTE (FDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights

## 2.6 GHz Mobile Band


2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Slovak Telekom, a.s.	2570 - 2575 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2575 - 2580 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2580 - 2585 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2585 - 2590 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2590 - 2595 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2595 - 2600 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2600 - 2605 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2605 - 2610 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights
	Slovak Telekom, a.s.	2610 - 2615 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Slovak Telekom, a.s.	2615 - 2620 MHz	TRA-ECS	LTE (TDD)	National Coverage	Start: 08-01-2014 Expiry: 31-12-2028 Tradeable	transfer of rights

### 3.5 GHz Band

#### 3400-3600 MHz










	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	O2 Slovakia, s.r.o.	3400 - 3410 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 08-08-2016 Expiry: 31-08-2025 Tradeable	transfer of rights
	Slovanet, a.s.	3510 - 3525 MHz (DL) 3410 - 3425 MHz (UL)	MFCN	LTE, WiMAX, FWA (FDD, TDD)	National Coverage	Start: 16-03-2012 Expiry: 31-08-2025 Tradeable	transfer of rights
	Slovanet, a.s.	3510 - 3525 MHz (DL) 3410 - 3425 MHz (UL)	MFCN	LTE, WiMAX, FWA (FDD, TDD)	National Coverage	Start: 14-04-2016 Expiry: 31-08-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3525 - 3570 MHz (DL) 3425 - 3470 MHz (UL)	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 04-08-2015 Expiry: 31-08-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3525 - 3570 MHz (DL) 3425 - 3470 MHz (UL)	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 08-08-2015 Expiry: 31-08-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3530 - 3550 MHz (DL) 3430 - 3450 MHz (UL)	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 04-08-2015 Expiry: 31-08-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3550 - 3570 MHz (DL) 3450 - 3470 MHz (UL)	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 19-08-2015 Expiry: 31-08-2025 Tradeable	transfer of rights
	Slovanet, a.s.	3570 - 3590 MHz (DL) 3470 - 3490 MHz (UL)	MFCN	LTE, WiMAX, FWA (FDD, TDD)	National Coverage	Start: 16-03-2012 Expiry: 31-08-2025 Tradeable	transfer of rights
	Slovanet, a.s.	3570 - 3590 MHz (DL) 3470 - 3490 MHz (UL)	MFCN	LTE, WiMAX, FWA (FDD, TDD)	National Coverage	Start: 14-04-2016 Expiry: 31-08-2025 Tradeable	transfer of rights
	SWAN, a.s.	3490 - 3510 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 16-07-2015 Expiry: 31-08-2025 Tradeable	transfer of rights
	Slovanet, a.s.	3524 - 3525 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 30-03-2016 Expiry: 31-08-2025 Tradeable	transfer of rights



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Slovanet, a.s.	3570 - 3573 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 30-03-2016 Expiry: 31-08-2025 Tradeable	transfer of rights
	Slovanet, a.s.	3587 - 3590 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 30-03-2016 Expiry: 31-08-2025 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3590 - 3600 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 08-08-2016 Expiry: 31-08-2025 Tradeable	transfer of rights

### 3.7 GHz Band











#### 3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Medzilaborce	Start: 19-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Snina	Start: 19-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Rimavská Sobota	Start: 19-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Byt#a	Start: 19-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	ORANET, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Námestovo	Start: 20-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Myjava	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Kysucké Nové Mesto	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Detva	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Sobrance	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Stropkov	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Svidník	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	DSI DATA s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Sabinov	Start: 09-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Bardejov	Start: 09-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Ilava	Start: 10-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Galanta	Start: 10-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Ša#a	Start: 10-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Humenné	Start: 10-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Fibris, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Levo#a	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Gelnica	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Skalica	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Tur#ianske Teplice	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Poltár	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Krupina	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Banská Stiaavnica	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Pezinok	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Zlaté Moravce	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Žarnovica	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Rož#ava	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Amtel Slovensko, s.r.o.	3600 - 3640 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Tvrdošín	Start: 30-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	SWAN, a.s.	3640 - 3680 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 12-02-2015 Expiry: 31-12-2024 Tradeable	transfer of rights
	BENESTRA, s.r.o.	3680 - 3720 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 12-02-2015 Expiry: 31-12-2024 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3720 - 3760 MHz	MFCN	LTE, WiMAX, FWA (TDD)	National Coverage	Start: 12-02-2015 Expiry: 31-12-2024 Tradeable	transfer of rights
	HMZ Rádiokomunikácie, spol. s.r.o.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Kysucké Nové Mesto	Start: 11-04-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	DSI DATA s.r.o.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Námestovo	Start: 20-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	DSI DATA s.r.o.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Byt#a	Start: 20-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Snina	Start: 21-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Medzilaborce	Start: 21-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Rimavská Sobota	Start: 21-10-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Myjava	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Detva	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Sobrance	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Stropkov	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Svidník	Start: 03-11-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Bardejov	Start: 09-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Ilava	Start: 09-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Galanta	Start: 09-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Ša#a	Start: 09-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Sabinov	Start: 09-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Humenné	Start: 09-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Skalica	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Poltár	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Tur#ianske Teplice	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Krupina	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Banská Štiavnica	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Zlaté Moravce	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Žarnovica	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Rož#ava	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Slovanet, a.s.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Levo#a	Start: 27-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	O2 Slovakia, s.r.o.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Pezinok	Start: 28-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	OravaNet, Slovakia, spol. s r.o.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Tvrdošín	Start: 28-12-2016 Expiry: 31-12-2024 Tradeable	transfer of rights
	Alternet, s.r.o.	3760 - 3800 MHz	MFCN	LTE, WiMAX, FWA (TDD)	Regional/local coverage Gelnica	Start: 02-01-2017 Expiry: 31-12-2024 Tradeable	transfer of rights

## Slovenia (2017)




## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEKOM SLOVENIJE, d.d.	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 31-05-2014 Expiry: 31-05-2029 Tradeable	
	Telemach, širokopasovne komunikacije, d.o.o.	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 31-05-2014 Expiry: 31-05-2029 Tradeable	
	A1 Slovenija, d.d.	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 31-05-2014 Expiry: 31-05-2029 Tradeable	



## 900 MHz Mobile Band



880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Telemach, širokopasovne komunikacije, d.o.o.	925 - 930 MHz (DL) 880 - 885 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 04-01-2016 Expiry: 04-01-2031 Tradeable	
	A1 Slovenija, d.d.	930 - 945 MHz (DL) 885 - 900 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 04-01-2016 Expiry: 04-01-2031 Tradeable	
	TELEKOM SLOVENIJE, d.d.	945 - 960 MHz (DL) 900 - 915 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 04-01-2016 Expiry: 04-01-2031 Tradeable	

## 1800 MHz Mobile Band





1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Slovenija, d.d.	1805 - 1835 MHz (DL) 1710 - 1740 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 06-09-2004 Expiry: 04-01-2031 Tradeable	
	TELEKOM SLOVENIJE, d.d.	1835 - 1860 MHz (DL) 1740 - 1765 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 06-09-2004 Expiry: 04-01-2031	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	
	Telemach, komunikacije, d.o.o.	širokopasovne 1860 - 1870 MHz (DL) 1765 - 1775 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 01-12-2006 Expiry: 04-01-2031 Tradeable	
	Telemach, komunikacije, d.o.o.	širokopasovne 1870 - 1880 MHz (DL) 1775 - 1785 MHz (UL)	TRA-ECS	GSM, LTE	National Coverage	Start: 31-08-2016 Expiry: 04-01-2031 Tradeable	




## 2 GHz Mobile Band

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEKOM SLOVENIJE, d.d.	1900 - 1905 MHz	IMT	UMTS/TDD	National Coverage	Start: 06-09-2004 Expiry: 21-09-2021 Tradeable	
	A1 Slovenija, d.d.	1905 - 1910 MHz	IMT	UMTS/TDD	National Coverage	Start: 31-05-2014 Expiry: 21-09-2021 Tradeable	
	T-2 d.o.o.	1910 - 1915 MHz	IMT	UMTS/TDD	National Coverage	Start: 21-09-2006 Expiry: 21-09-2021 Tradeable	
	A1 Slovenija, d.d.	1915 - 1920 MHz	IMT	UMTS/TDD	National Coverage	Start: 21-09-2006 Expiry: 21-09-2021 Tradeable	

## 2 GHz Mobile Band


1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Slovenija, d.d.	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 21-09-2006 Expiry: 21-09-2021 Tradeable	
	T-2 d.o.o.	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 21-09-2006 Expiry: 21-09-2021 Tradeable	
	Telemach, komunikacije, d.o.o.	širokopasovne 2140 - 2145 MHz (DL) 1950 - 1955 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 08-04-2008 Expiry: 08-04-2023 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEKOM SLOVENIJE, d.d.	2150 - 2170 MHz (DL) 1960 - 1980 MHz (UL)	TRA-ECS	Neutral	National Coverage	Start: 01-06-2013 Expiry: 21-09-2021 Tradeable	



**2 GHz Mobile Band**

2010-2025 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	A1 Slovenija, d.d.	2010 - 2025 MHz	IMT	UMTS/TDD	National Coverage	Start: 31-05-2014 Expiry: 21-09-2021 Tradeable	



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEKOM SLOVENIJE, d.d.	2620 - 2655 MHz (DL) 2500 - 2535 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 31-05-2014 Expiry: 31-05-2029 Tradeable	
	A1 Slovenija, d.d.	2655 - 2685 MHz (DL) 2535 - 2565 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 31-05-2014 Expiry: 31-05-2029 Tradeable	

**2.6 GHz Mobile Band**






2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEKOM SLOVENIJE, d.d.	2570 - 2595 MHz	TRA-ECS	LTE	National Coverage	Start: 31-05-2014 Expiry: 31-05-2029 Tradeable	
	A1 Slovenija, d.d.	2595 - 2620 MHz	TRA-ECS	LTE	National Coverage	Start: 31-05-2014 Expiry: 31-05-2029 Tradeable	

**3.5 GHz Band**

3400-3600 MHz






	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Elektro Gorenjska	3510 - 3530 MHz (DL) 3410 - 3430 MHz (UL)	MFCN	Neutral	Regional/local coverage Gorenjska	Start: 01-09-2016 Expiry: 23-05-2021	
	KaTe Nova Gorica	3510 - 3530 MHz (DL) 3410 - 3430 MHz (UL)	MFCN	Neutral	Regional/local coverage Severna Primorska	Start: 01-09-2016 Expiry: 23-05-2021	
	Iskra Sistemi	3510 - 3530 MHz (DL) 3410 - 3430 MHz (UL)	MFCN	Neutral	Regional/local coverage Mozirje_1C_VZHOD	Start: 01-09-2016 Expiry: 27-10-2021	
	Iskra Sistemi	3510 - 3530 MHz (DL) 3410 - 3430 MHz (UL)	MFCN	technologically neutral decision	Regional/local coverage Gornja_RA_Dgona_1C_VZHOD	Start: 01-10-2016 Expiry: 27-10-2021	
	Obalni tehnološki sklad d.o.o.	3510 - 3530 MHz	MFCN	technologically neutral decision	Regional/local coverage R (PIRAN)	Start: 01-09-2016 Expiry: 27-11-2022	

## Spain (2017)







## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ORANGE ESPAGNE, S.A.U.	791 - 801 MHz (DL) 832 - 842 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 01-04-2015 Expiry: 25-04-2031 Tradeable	2x10 MHz
	VODAFONE ESPAÑA, S.A.U.	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 01-04-2015 Expiry: 25-04-2031 Tradeable	2x10 MHz
	Telefónica Móviles España, S.A.U.	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 01-04-2015 Expiry: 25-04-2031 Tradeable	2x10 MHz







## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ORANGE SPAGNE, SAU	925.1 - 930.1 MHz (DL) 880.1 - 885.1 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 28-05-2013 Expiry: 31-12-2030 Tradeable	
	ORANGE SPAGNE, SAU	930.1 - 935.1 MHz (DL) 885.1 - 890.1 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 06-07-2011 Expiry: 31-12-2030 Tradeable	
	TELEFONICA MOVILES ESPAÑA, S.A.U.	935.1 - 940.1 MHz (DL) 890.1 - 895.1 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 28-05-2013 Expiry: 31-12-2030 Tradeable	
	TELEFONICA MOVILES ESPAÑA, S.A.U.	940.1 - 945.1 MHz (DL) 895.1 - 900.1 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 04-02-2015 Expiry: 31-12-2030 Tradeable	
	TELEFONICA MOVILES ESPAÑA, S.A.U.	945.1 - 949.9 MHz (DL) 900.1 - 904.9 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 04-02-2015 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.	949.9 - 959.9 MHz (DL) 904.9 - 914.9 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 03-02-1995 Expiry: 02-01-2028 Tradeable	





**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEFONICA MOVILES ESPAÑA, S.A.U.	1805.1 - 1825.1 MHz (DL) 1710.1 - 1730.1 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 24-07-1998 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.	1825.1 - 1845.1 MHz (DL) 1730.1 - 1750.1 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 24-07-1998 Expiry: 31-12-2030 Tradeable	
	XFERA MOVILES SA	1845.1 - 1850.1 MHz (DL) 1750.1 - 1755.1 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 09-08-2011 Expiry: 31-12-2030 Tradeable	
	XFERA MOVILES SA	1850.1 - 1855.1 MHz (DL) 1755.1 - 1760.1 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 09-08-2011 Expiry: 31-12-2030 Tradeable	
	XFERA MOVILES SA	1855.1 - 1859.9 MHz (DL) 1760.1 - 1764.9 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 09-08-2011 Expiry: 31-12-2030 Tradeable	
	ORANGE SPAGNE, SAU	1859.9 - 1879.9 MHz (DL) 1764.9 - 1784.9 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 24-07-1998 Expiry: 31-12-2030 Tradeable	





**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ORANGE SPAGNE, SAU	1900 - 1905 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	
	VODAFONE ESPAÑA, S.A.	1905 - 1910 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	
	TELEFONICA MOVILES ESPAÑA, S.A.U.	1910 - 1915 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	
	XFERA MOVILES SA	1915 - 1920 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	







**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)






	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	XFERA MOVILES SA	2110 - 2125 MHz (DL) 1920 - 1935 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	
	ORANGE SPAGNE, SAU	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	
	VODAFONE ESPAÑA, S.A.	2140 - 2155 MHz (DL) 1950 - 1965 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	
	TELEFONICA MOVILES ESPAÑA, S.A.U.	2155 - 2170 MHz (DL) 1965 - 1980 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	








**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEFONICA MOVILES ESPAÑA, S.A.U.	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2640 - 2660 MHz (DL) 2520 - 2540 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2660 - 2675 MHz (DL) 2540 - 2555 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ANDALUCÍA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ARAGÓN	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ASTURIAS	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	






	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ILLES BALEARS	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CANARIAS	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CANTABRIA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CASTILLA Y LEÓN	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CASTILLA-LA MANCHA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CATALUÑA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage VALENCIA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage EXTREMADURA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage GALICIA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MADRID	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MURCIA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage NAVARRA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage PAÍS VASCO	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage LA RIOJA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	










	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CEUTA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	VODAFONE ESPAÑA, S.A.U.	2675 - 2680 MHz (DL) 2555 - 2560 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MELILLA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	TELECABLE DE ASTURIAS S.A.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ASTURIAS	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	TELECOM CASTILLA LA MANCHA S.A.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CASTILLA-LA MANCHA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	EUSKALTEL S.A.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage PAÍS VASCO	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	R CABLE Y TELECOMUNICACIONES GALICIA SA	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage GALICIA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ANDALUCÍA	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ILLES BALEARS	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CANARIAS	Start: 10-10-2011 Expiry: 31-12-2030 Tradeable	
	TELEFONICA MOVILES ESPAÑA, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MADRID	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	TELEFONICA MOVILES ESPAÑA, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MELILLA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ARAGÓN	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CASTILLA Y LEÓN	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage EXTREMADURA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CANTABRIA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CATALUÑA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage VALENCIA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MURCIA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage NAVARRA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage LA RIOJA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	
	ORANGE ESPAGNE, S.A.U.	2680 - 2690 MHz (DL) 2560 - 2570 MHz (UL)	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CEUTA	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	

### 2.6 GHz Mobile Band


2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE ESPAÑA, S.A.U.	2575 - 2595 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 20-12-2011 Expiry: 31-12-2030 Tradeable	
	TELECABLE DE ASTURIAS S.A.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ASTURIAS	Start: 20-12-2011 Expiry: 31-12-2030 Tradeable	
	R CABLE Y TELECOMUNICACIONES GALICIA SA	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage GALICIA	Start: 20-12-2011 Expiry: 31-12-2030 Tradeable	
	EUSKALTEL S.A.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage PAÍS VASCO	Start: 20-12-2011 Expiry: 31-12-2030 Tradeable	
	CONSORCIO DE TELECOMUNICACIONES AVANZADAS, SA	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MURCIA	Start: 21-12-2011 Expiry: 31-12-2030 Tradeable	




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	RED DIGITAL DE TELECOMUNICACIONES DE LAS ISLAS BALEARES S.L.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ILLES BALEARS	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	UTE AIRE-ALVI-TVHORADADA	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage VALENCIA	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	AIRE NETWORKS DEL MEDITERRANEO, S.L.U.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage EXTREMADURA	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	AIRE NETWORKS DEL MEDITERRANEO, S.L.U.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MELILLA	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	ATRIUM TELECOM	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CEUTA	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	ATRIUM TELECOM	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage LA RIOJA	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	IBERFIBRA GESTIÓN DE REDES DE BANDA ANCHA, S.A.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage ANDALUCÍA	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	IBERFIBRA GESTIÓN DE REDES DE BANDA ANCHA, S.A.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CASTILLA-LA MANCHA	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	IBERFIBRA GESTIÓN DE REDES DE BANDA ANCHA, S.A.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage CATALUÑA	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	IBERFIBRA GESTIÓN DE REDES DE BANDA ANCHA, S.A.	2595 - 2605 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	Regional/local coverage MADRID	Start: 30-07-2014 Expiry: 31-12-2030 Tradeable	
	AIRE NETWORKS DEL MEDITERRANEO, S.L.U.	2605 - 2615 MHz	TRA-ECS	Technology neutral (GSM/UMTS/LTE)	National Coverage	Start: 20-12-2011 Expiry: 31-12-2030 Tradeable	

**3.5 GHz Band**

3400-3600 MHz










	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	EURONA WIRELESS TELECOM, S.A.	3500 - 3520 MHz (DL) 3400 - 3420 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	








	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	IBERFIBRA GESTIÓN DE REDES DE BANDA ANCHA, S.A.	3520 - 3540 MHz (DL) 3420 - 3440 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	
	IBERBANDA, S.A.	3540 - 3560 MHz (DL) 3440 - 3460 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 19-04-2000 Expiry: 19-04-2020 Tradeable	
	Orange Espagne, SAU	3560 - 3580 MHz (DL) 3460 - 3480 MHz (UL)	TRA-ECS	Technology neutral	National Coverage	Start: 18-05-2016 Expiry: 31-12-2030 Tradeable	

**3.7 GHz Band**

3600-3800 MHz


	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	RETEVISION I, S.A.	3597 - 3626 MHz	Fixed		Regional/local coverage LOCAL	Start: 31-03-2003 Expiry: 31-12-2018 Tradeable	
	RETEVISION I, S.A.	3626 - 3655 MHz	Fixed		Regional/local coverage LOCAL	Start: 31-03-2003 Expiry: 31-12-2018 Tradeable	
	AIRE NETWORKS MEDITERRANEO, S.L.U	DEL 3626 - 3655 MHz	Fixed		Regional/local coverage LOCAL	Start: 29-04-2008 Expiry: 31-12-2018 Tradeable	
	AIRE NETWORKS MEDITERRANEO, S.L.	DEL 3626 - 3655 MHz	Fixed		Regional/local coverage LOCAL	Start: 12-03-2008 Expiry: 31-12-2018 Tradeable	
	AIRE NETWORKS MEDITERRANEO, S.L.	DEL 3655 - 3684 MHz	Fixed		Regional/local coverage LOCAL	Start: 12-03-2008 Expiry: 31-12-2018 Tradeable	
	AIRE NETWORKS MEDITERRANEO, S.L.U	DEL 3655 - 3684 MHz	Fixed		Regional/local coverage LOCAL	Start: 29-04-2008 Expiry: 31-12-2018 Tradeable	
	RETEVISION I, S.A.	3655 - 3684 MHz	Fixed		Regional/local coverage LOCAL	Start: 31-03-2003 Expiry: 31-12-2018 Tradeable	
	RETEVISION I, S.A.	3723 - 3752 MHz	Fixed		Regional/local coverage LOCAL	Start: 31-03-2003 Expiry: 31-12-2018 Tradeable	
	AIRE NETWORKS MEDITERRANEO, S.L.	DEL 3752 - 3781 MHz	Fixed		Regional/local coverage LOCAL	Start: 12-03-2008 Expiry: 31-12-2018 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	RETEVISION I, S.A.	3752 - 3781 MHz	Fixed		Regional/local coverage LOCAL	Start: 31-03-2003 Expiry: 31-12-2018 Tradeable	
	AIRE NETWORKS MEDITERRANEO, S.L.U	DEL 3752 - 3781 MHz	Fixed		Regional/local coverage LOCAL	Start: 29-04-2008 Expiry: 31-12-2018 Tradeable	
	AIRE NETWORKS MEDITERRANEO, S.L.U	DEL 3781 - 3810 MHz	Fixed		Regional/local coverage LOCAL	Start: 29-04-2008 Expiry: 31-12-2018 Tradeable	
	RETEVISION I, S.A.	3781 - 3810 MHz	Fixed		Regional/local coverage LOCAL	Start: 31-03-2003 Expiry: 31-12-2018 Tradeable	
	AIRE NETWORKS MEDITERRANEO, S.L.	DEL 3781 - 3810 MHz	Fixed		Regional/local coverage LOCAL	Start: 12-03-2008 Expiry: 31-12-2018 Tradeable	

## Sweden (2014)





## 800 MHz Mobile Band (the UHF band)




790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	HI3G ACCESS AB	791 - 796 MHz (DL) 832 - 837 MHz (UL)	TRA-ECS		National Coverage	Start: 04-03-2011 Expiry: 31-12-2035 Tradeable	
	HI3G ACCESS AB	796 - 801 MHz (DL) 837 - 842 MHz (UL)	TRA-ECS		National Coverage	Start: 04-03-2011 Expiry: 31-12-2035 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	801 - 806 MHz (DL) 842 - 847 MHz (UL)	TRA-ECS		National Coverage	Start: 04-03-2011 Expiry: 31-12-2035 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	806 - 811 MHz (DL) 847 - 852 MHz (UL)	TRA-ECS		National Coverage	Start: 04-03-2011 Expiry: 31-12-2035 Tradeable	
	NET4MOBILITY HB	811 - 816 MHz (DL) 852 - 857 MHz (UL)	TRA-ECS		National Coverage	Start: 04-03-2011 Expiry: 31-12-2035 Tradeable	
	NET4MOBILITY HB	816 - 821 MHz (DL) 857 - 862 MHz (UL)	TRA-ECS		National Coverage	Start: 04-03-2011 Expiry: 31-12-2035 Tradeable	

## 900 MHz Mobile Band










880-915 MHz / 925-960 MHz (paired frequency arrangement)





	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	HI3G ACCESS AB	925 - 930 MHz (DL) 880 - 885 MHz (UL)	TRA-ECS		National Coverage	Start: 13-03-2009 Expiry: 31-12-2025 Tradeable	
	NET4MOBILITY HB	930 - 935 MHz (DL) 885 - 890 MHz (UL)	TRA-ECS		National Coverage	Start: 13-03-2009 Expiry: 31-12-2025 Tradeable	
	NET4MOBILITY HB	935 - 936 MHz (DL) 890 - 891 MHz (UL)	TRA-ECS		National Coverage	Start: 13-03-2009 Expiry: 31-12-2025 Tradeable	
	TELE2 SVERIGE AB	936 - 942.5 MHz (DL) 891 - 897.5 MHz (UL)	TRA-ECS		National Coverage	Start: 13-03-2009 Expiry: 31-12-2025 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELE2 SVERIGE AB	942.5 - 945 MHz (DL) 897.5 - 900 MHz (UL)	TRA-ECS		National Coverage	Start: 13-03-2009 Expiry: 31-12-2025 Tradeable	
	TELENOR SVERIGE AB	945 - 950 MHz (DL) 900 - 905 MHz (UL)	TRA-ECS		National Coverage	Start: 13-03-2009 Expiry: 31-12-2025 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	950 - 960 MHz (DL) 905 - 915 MHz (UL)	TRA-ECS		National Coverage	Start: 13-03-2009 Expiry: 31-12-2025 Tradeable	

**1800 MHz Mobile Band**




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELIASONERA MOBILE NETWORKS AB	1805 - 1810 MHz (DL) 1710 - 1715 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2027 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	1810 - 1815 MHz (DL) 1715 - 1720 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2027 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	1815 - 1820 MHz (DL) 1720 - 1725 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2037 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	1820 - 1825 MHz (DL) 1725 - 1730 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2037 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	1825 - 1830 MHz (DL) 1730 - 1735 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2037 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	1830 - 1835 MHz (DL) 1735 - 1740 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2037 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	1835 - 1840 MHz (DL) 1740 - 1745 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2037 Tradeable	
	NET4MOBILITY HB	1840 - 1845 MHz (DL) 1745 - 1750 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2037 Tradeable	
	NET4MOBILITY HB	1845 - 1850 MHz (DL) 1750 - 1755 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2037 Tradeable	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	NET4MOBILITY HB	1850 - 1855 MHz (DL) 1755 - 1760 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2027 Tradeable	
	NET4MOBILITY HB	1855 - 1860 MHz (DL) 1760 - 1765 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2027 Tradeable	
	NET4MOBILITY HB	1860 - 1865 MHz (DL) 1765 - 1770 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2027 Tradeable	
	NET4MOBILITY HB	1865 - 1870 MHz (DL) 1770 - 1775 MHz (UL)	TRA-ECS		National Coverage	Start: 01-01-2013 Expiry: 31-12-2027 Tradeable	




**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	SVENSKA UMTS-LICENS AB	1905 - 1910 MHz	TRA-ECS		National Coverage	Start: 16-12-2000 Expiry: 31-12-2025 Tradeable	
	HI3G ACCESS AB	1910 - 1915 MHz	TRA-ECS		National Coverage	Start: 16-12-2000 Expiry: 31-12-2025 Tradeable	
	TELENOR SVERIGE AB	1915 - 1920 MHz	TRA-ECS		National Coverage	Start: 16-12-2000 Expiry: 31-12-2025 Tradeable	

**2 GHz Mobile Band**





1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELENOR SVERIGE AB	2110.3 - 2130.1 MHz (DL) 1920.3 - 1940.1 MHz (UL)	TRA-ECS		National Coverage	Start: 16-12-2000 Expiry: 31-12-2025 Tradeable	
	HI3G ACCESS AB	2130.1 - 2149.9 MHz (DL) 1940.1 - 1959.9 MHz (UL)	TRA-ECS		National Coverage	Start: 16-12-2000 Expiry: 31-12-2025 Tradeable	
	SVENSKA UMTS-LICENS AB	2149.9 - 2169.7 MHz (DL) 1959.9 - 1979.7 MHz (UL)	TRA-ECS		National Coverage	Start: 16-12-2000 Expiry: 31-12-2025	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
						Tradeable	


**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	NET4MOBILITY HB	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS		National Coverage	Start: 08-05-2008 Expiry: 31-12-2023 Tradeable	
	HI3G ACCESS AB	2640 - 2650 MHz (DL) 2520 - 2530 MHz (UL)	TRA-ECS		National Coverage	Start: 08-05-2008 Expiry: 31-12-2023 Tradeable	
	TELIASONERA MOBILE NETWORKS AB	2650 - 2670 MHz (DL) 2530 - 2550 MHz (UL)	TRA-ECS		National Coverage	Start: 08-05-2008 Expiry: 31-12-2023 Tradeable	
	NET4MOBILITY HB	2670 - 2690 MHz (DL) 2550 - 2570 MHz (UL)	TRA-ECS		National Coverage	Start: 08-05-2008 Expiry: 31-12-2023 Tradeable	


**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	HI3G ACCESS AB	2570 - 2620 MHz	TRA-ECS		National Coverage	Start: 08-05-2008 Expiry: 31-12-2023 Tradeable	




**3.5 GHz Band**

3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Several regional based licences assigned for local operators	3510 - 3538 MHz (DL) 3410 - 3438 MHz (UL)	TRA-ECS			Expiry: 31-03-2023 Tradeable	

**3.7 GHz Band**




3600-3800 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Ca 400 community based licences assigned to local operators	3700 - 3740 MHz (DL) 3600 - 3640 MHz (UL)	TRA-ECS	FDD		Expiry: 31-12-2022 Tradeable	
	TDC SVERIGE AB	3740 - 3760 MHz (DL) 3640 - 3660 MHz (UL)	TRA-ECS	TDD/FDD	National Coverage	Expiry: 31-12-2022 Tradeable	
	Ca 400 community based licences assigned to local	3760 - 3800 MHz (DL) 3660 - 3700 MHz (UL)	TRA-ECS	TDD		Expiry: 31-12-2022 Tradeable	

## Switzerland (2016)




## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Sunrise Communications AG	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	
	Swisscom (Schweiz) AG	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	
	Salt Mobile SA	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	Formerly Orange Network SA




## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Salt Mobile SA	925.1 - 930.1 MHz (DL) 880.1 - 885.1 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	Formerly Orange Network SA
	Sunrise Communications AG	930.1 - 945.1 MHz (DL) 885.1 - 900.1 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	
	Swisscom (Schweiz) AG	945.1 - 959.9 MHz (DL) 900.1 - 914.9 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	

## 1800 MHz Mobile Band




1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Swisscom (Schweiz) AG	1805.1 - 1835.1 MHz (DL) 1710.1 - 1740.1 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	
	Salt Mobile SA	1835.1 - 1860.1 MHz (DL) 1740.1 - 1765.1 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	Formerly Orange Network SA
	Sunrise Communications AG	1860.1 - 1879.9 MHz (DL) 1765.1 - 1784.9 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	

## 2 GHz Mobile Band






1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Sunrise Communications AG	2110.5 - 2120.3 MHz (DL) 1920.5 - 1930.3 MHz (UL)	MFCN		National Coverage	Start: 01-01-2017 Expiry: 31-12-2028	
	Swisscom (Schweiz) AG	2120.3 - 2149.9 MHz (DL) 1930.3 - 1959.9 MHz (UL)	MFCN		National Coverage	Start: 01-01-2017 Expiry: 31-12-2028	
	Salt Mobile SA	2149.9 - 2169.7 MHz (DL) 1959.9 - 1979.7 MHz (UL)	MFCN		National Coverage	Start: 01-01-2017 Expiry: 31-12-2028	Formerly Orange Network SA


2.6 GHz Mobile Band

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Sunrise Communications AG	2620 - 2645 MHz (DL) 2500 - 2525 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	
	Swisscom (Schweiz) AG	2645 - 2665 MHz (DL) 2525 - 2545 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	
	Salt Mobile SA	2665 - 2685 MHz (DL) 2545 - 2565 MHz (UL)	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	Formerly Orange Network SA

2.6 GHz Mobile Band




2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Swisscom (Schweiz) AG	2570 - 2615 MHz	MFCN		National Coverage	Start: 06-07-2012 Expiry: 31-12-2028	

## Turkey (2016)







## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	AVEA #LET###M H#ZMETLER# A.#.	791 - 801 MHz (DL) 832 - 842 MHz (UL)	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	
	VODAFONE TELEKOMÜN#KASYON A.#.	801 - 811 MHz (DL) 842 - 852 MHz (UL)	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	
	TURKCELL #LET###M H#ZMETLER# A.#.	811 - 821 MHz (DL) 852 - 862 MHz (UL)	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	


## 900 MHz Mobile Band




880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	AVEA #LET###M H#ZMETLER# A.#.	925.1 - 932.7 MHz (DL) 880.1 - 887.7 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	The start date of IMT-Advanced Technologies has been mentioned as "Start date"
	AVEA #LET###M H#ZMETLER# A.#.	932.7 - 935.1 MHz (DL) 887.7 - 890.1 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 11-01-2001 Expiry: 11-01-2026	Spectrum refarming has been realized in 2016.
	TURKCELL #LET###M H#ZMETLER# A.#.	935.1 - 946.1 MHz (DL) 890.1 - 901.1 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 27-04-1998 Expiry: 27-04-2023	Spectrum refarming has been realized in 2016.
	TURKCELL #LET###M H#ZMETLER# A.#.	946.1 - 947.5 MHz (DL) 901.1 - 902.5 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	The start date of IMT-Advanced Technologies has been mentioned as "Start date"
	VODAFONE TELEKOMÜN#KASYON A.#.	947.5 - 958.5 MHz (DL) 902.5 - 913.5 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 27-04-1998 Expiry: 27-04-2023	Spectrum refarming has been realized in 2016.
	VODAFONE TELEKOMÜN#KASYON A.#.	958.5 - 959.9 MHz (DL) 913.5 - 914.9 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	The start date of IMT-Advanced Technologies has been mentioned as "Start date"

## 1800 MHz Mobile Band





1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	AVEA #LET###M H#ZMETLER# A.#.	1805.1 - 1820.1 MHz (DL)	MFCN	IMT&GSM	National Coverage	Start: 11-01-2001	

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
		1710.1 - 1725.1 MHz (UL)				Expiry: 11-01-2026	
	AVEA #LET###M H#ZMETLER# A.#.	1820.1 - 1840.1 MHz (DL) 1725.1 - 1745.1 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	The start date of IMT-Advanced Technologies has been mentioned as "Start date"
	TURKCELL #LET###M H#ZMETLER# A.#.	1840.1 - 1869.9 MHz (DL) 1745.1 - 1774.9 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	The start date of IMT-Advanced Technologies has been mentioned as "Start date"
	VODAFONE TELEKOMÜN#KASYON A.#.	1869.9 - 1879.9 MHz (DL) 1774.9 - 1784.9 MHz (UL)	MFCN	IMT&GSM	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	The start date of IMT-Advanced Technologies has been mentioned as "Start date"



### 2 GHz Mobile Band

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TURKCELL #LET###M H#ZMETLER# A.#.	2110 - 2130 MHz (DL) 1920 - 1940 MHz (UL)	MFCN	IMT	National Coverage	Start: 30-04-2009 Expiry: 30-04-2029	
	VODAFONE TELEKOMÜN#KASYON A.#.	2130 - 2145 MHz (DL) 1940 - 1955 MHz (UL)	MFCN	IMT	National Coverage	Start: 30-04-2009 Expiry: 30-04-2029	
	AVEA #LET###M H#ZMETLER# A.#.	2145 - 2160 MHz (DL) 1955 - 1970 MHz (UL)	MFCN	IMT	National Coverage	Start: 30-04-2009 Expiry: 30-04-2029	
	TURKCELL #LET###M H#ZMETLER# A.#.	2160 - 2170 MHz (DL) 1970 - 1980 MHz (UL)	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	The start date of IMT-Advanced Technologies has been mentioned as "Start date"




### 2 GHz Mobile Band

2010-2025 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE TELEKOMÜN#KASYON A.#.	2010 - 2015 MHz	MFCN	IMT	National Coverage	Start: 30-04-2009 Expiry: 30-04-2029	
	TURKCELL #LET###M H#ZMETLER# A.#.	2015 - 2025 MHz	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	The start date of IMT-Advanced Technologies has been mentioned as "Start date"




### 2.6 GHz Mobile Band

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TURKCELL #LET###M H#ZMETLER# A.#.	2620 - 2645 MHz (DL) 2500 - 2525 MHz (UL)	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	
	VODAFONE TELEKOMÜN#KASYON A.#.	2645 - 2660 MHz (DL) 2525 - 2540 MHz (UL)	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	
	AVEA #LET###M H#ZMETLER# A.#.	2660 - 2670 MHz (DL) 2540 - 2550 MHz (UL)	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	

## 2.6 GHz Mobile Band

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	AVEA #LET###M H#ZMETLER# A.#.	2570 - 2585 MHz	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	
	VODAFONE TELEKOMÜN#KASYON A.#.	2585 - 2595 MHz	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	
	TURKCELL #LET###M H#ZMETLER# A.#.	2595 - 2605 MHz	MFCN	IMT	National Coverage	Start: 01-04-2016 Expiry: 30-04-2029	

Ukraine (2010)






900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Kyivstar	925 - 960 MHz (DL) 880 - 915 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region
	Ukrainian Mobile Communication (MTS)	925 - 960 MHz (DL) 880 - 915 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region
	Astelit (life)	925 - 960 MHz (DL) 880 - 915 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region
	Ukrainian Radio Systems (Beeline)	925 - 960 MHz (DL) 880 - 915 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region


1800 MHz Mobile Band

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Kyivstar	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region
	Ukrainian Mobile Communication (MTS)	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region
	Astelit (life)	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region
	Ukrainian Radio Systems (Beeline)	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region
	Golden Telecom	1805 - 1880 MHz (DL) 1710 - 1785 MHz (UL)	GSM	GSM	National Coverage	Expiry: 31-12-2023	Channels are distributed amongst operators region-by-region


2 GHz Mobile Band

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Ukrtelecom	2125 - 2140 MHz (DL) 1935 - 1950 MHz (UL)	IMT	IMT-2000 CDMA/ UMTS/WCDMA	National Coverage	Expiry: 31-12-2020	

**2 GHz Mobile Band**





2010-2025 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Ukrtelecom	2015 - 2020 MHz	IMT	IMT-2000 CDMA/ UMTS/WCDMA	National Coverage	Expiry: 31-12-2020	

## United Kingdom (2018)







## 800 MHz Mobile Band (the UHF band)

790-862 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Hutchison 3G UK Limited	791 - 796 MHz (DL) 832 - 837 MHz (UL)	TRA-ECS		National Coverage	Start: 01-03-2013 Expiry: 01-01-2099 Tradeable	No expiry date
	EE Limited	796 - 801 MHz (DL) 837 - 842 MHz (UL)	TRA-ECS		National Coverage	Start: 01-03-2013 Expiry: 01-01-2099 Tradeable	No expiry date
	Vodafone Limited	801 - 811 MHz (DL) 842 - 852 MHz (UL)	TRA-ECS		National Coverage	Start: 01-03-2013 Expiry: 01-01-2099 Tradeable	No expiry date
	Telefónica UK Limited	811 - 821 MHz (DL) 852 - 862 MHz (UL)	TRA-ECS		National Coverage	Start: 01-03-2013 Expiry: 01-01-2099 Tradeable	No expiry date



## 900 MHz Mobile Band

880-915 MHz / 925-960 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	VODAFONE LIMITED	925.1 - 930.1 MHz (DL) 880.1 - 885.1 MHz (UL)	TRA-ECS	GSM or UTRA FDD	National Coverage	Start: 23-07-1992 Expiry: 01-01-2099 Tradeable	No expiry date
	TELEFONICA UK LIMITED	930.1 - 935.1 MHz (DL) 885.1 - 890.1 MHz (UL)	TRA-ECS	GSM or UTRA FDD	National Coverage	Start: 23-07-1992 Expiry: 01-01-2099 Tradeable	No expiry date
	VODAFONE LIMITED	935.1 - 939.7 MHz (DL) 890.1 - 894.7 MHz (UL)	TRA-ECS	GSM or UTRA FDD	National Coverage	Start: 23-07-1992 Expiry: 01-01-2099 Tradeable	No expiry date
	TELEFONICA UK LIMITED	939.7 - 947.3 MHz (DL) 894.7 - 902.3 MHz (UL)	TRA-ECS	GSM or UTRA FDD	National Coverage	Start: 23-07-1992 Expiry: 01-01-2099 Tradeable	No expiry date
	VODAFONE LIMITED	947.3 - 955.1 MHz (DL) 902.3 - 910.1 MHz (UL)	TRA-ECS	GSM or UTRA FDD	National Coverage	Start: 23-07-1992 Expiry: 01-01-2099 Tradeable	No expiry date
	TELEFONICA UK LIMITED	955.1 - 959.9 MHz (DL) 910.1 - 914.9 MHz (UL)	TRA-ECS	GSM or UTRA FDD	National Coverage	Start: 23-07-1992 Expiry: 01-01-2099 Tradeable	No expiry date









**1452 MHz - 1492 MHz Mobile Band Supplemental Downlink**

1452-1492 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL)








	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone	1452 - 1472 MHz	TRA-ECS	LTE - SDL	National Coverage	Start: 16-05-2008 Expiry: 01-01-2099 Tradeable	Was bought via a trade in 2016 from Qualcomm
	HUTCHISON 3G UK LIMITED	1472 - 1492 MHz	TRA-ECS	LTE - SDL	National Coverage	Start: 01-06-2008 Expiry: 01-01-2099 Tradeable	Was bought via a trade in 2016 from Qualcomm

**1800 MHz Mobile Band**

1710-1785 MHz / 1805-1880 MHz (paired frequency arrangement)




	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEFONICA UK LIMITED	1805.1 - 1810.9 MHz (DL) 1710.1 - 1715.9 MHz (UL)	TRA-ECS	GSM or UTRA FDD	National Coverage	Start: 23-07-1992 Expiry: 01-01-2099 Tradeable	No expiry date
	VODAFONE LIMITED	1810.9 - 1816.7 MHz (DL) 1715.9 - 1721.7 MHz (UL)	TRA-ECS	GSM or UTRA FDD	National Coverage	Start: 23-07-1992 Expiry: 01-01-2099 Tradeable	No expiry date
	HUTCHISON 3G UK LIMITED	1816.7 - 1831.7 MHz (DL) 1721.7 - 1736.7 MHz (UL)	TRA-ECS	LTE	National Coverage	Start: 08-10-2012 Expiry: 01-01-2100 Tradeable	Traded from EE
	EE Limited	1831.7 - 1876.7 MHz (DL) 1736.7 - 1781.7 MHz (UL)	TRA-ECS	GSM, UTRA FDD, LTE, WiMAX	National Coverage	Start: 26-03-1993 Expiry: 01-01-2099 Tradeable	No expiry date
	TeleWare PLC	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date
	BRITISH TELECOMMUNICATIONS PLC	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date
	PLDT (UK) LIMITED	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date
	Talk Talk PLC	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date



	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	FMS SOLUTIONS LIMITED	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date
	TELEFONICA UK LIMITED	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date
	SHYAM TELECOM UK LIMITED	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date
	Mundio Mobile Limited	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date
	COLT MOBILE TELECOMMUNICATIONS LIMITED	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 02-05-2006 Expiry: 01-01-2099 Tradeable	No expiry date
	UK Broadband Limited	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 22-07-2010 Expiry: 01-01-2099 Tradeable	No expiry date
	Vodafone	1876.7 - 1880 MHz (DL) 1781.7 - 1785 MHz (UL)	GSM		National Coverage	Start: 03-05-2013 Expiry: 01-01-2099 Tradeable	No expiry date





**2 GHz Mobile Band**

1900-1920 MHz (unpaired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	EE Limited	1899.9 - 1909.9 MHz	IMT	UTRA TDD	National Coverage	Start: 01-04-2000 Expiry: 31-12-2099 Tradeable	No expiry date
	TELEFONICA UK LIMITED	1909.9 - 1914.9 MHz	IMT	UTRA TDD	National Coverage	Start: 01-04-2000 Expiry: 31-12-2099 Tradeable	No expiry date
	HUTCHISON 3G UK LIMITED	1914.9 - 1920 MHz	IMT	UTRA TDD	National Coverage	Start: 01-04-2000 Expiry: 01-01-2099 Tradeable	No expiry date


**2 GHz Mobile Band**

1920-1980 MHz / 2110-2170 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	HUTCHISON 3G UK LIMITED	2110.3 - 2124.9 MHz (DL) 1920 - 1934.9 MHz (UL)	TRA-ECS	UTRA FDD	National Coverage	Start: 09-05-2000 Expiry: 01-01-2099 Tradeable	No expiry date
	TELEFONICA UK LIMITED	2124.9 - 2134.9 MHz (DL) 1934.9 - 1944.9 MHz (UL)	TRA-ECS	UTRA FDD	National Coverage	Start: 16-05-2000 Expiry: 31-12-2021 Tradeable	No expiry date
	VODAFONE LIMITED	2134.9 - 2149.7 MHz (DL) 1944.9 - 1959.7 MHz (UL)	IMT	UTRA FDD	National Coverage	Start: 01-09-2000 Expiry: 31-12-2099 Tradeable	No expiry date
	EE Limited	2149.7 - 2169.7 MHz (DL) 1959.7 - 1979.7 MHz (UL)	IMT	UTRA FDD	National Coverage	Start: 09-05-2000 Expiry: 31-12-2099 Tradeable	No expiry date




**2300 MHz - 2400 MHz Mobile Band**

2300 MHz - 2400 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	TELEFONICA UK LIMITED	2350 - 2390 MHz	TRA-ECS		National Coverage	Start: 05-04-2018 Expiry: 01-01-2100 Tradeable	No expiry date



**2.6 GHz Mobile Band**

2500-2570 MHz / 2620-2690 MHz (paired frequency arrangement)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Limited	2620 - 2640 MHz (DL) 2500 - 2520 MHz (UL)	TRA-ECS		National Coverage	Start: 01-03-2013 Expiry: 01-01-2099 Tradeable	No expiry date
	British Telecommunications Plc	2640 - 2655 MHz (DL) 2520 - 2535 MHz (UL)	TRA-ECS		National Coverage	Start: 22-04-2013 Expiry: 01-01-2099 Tradeable	No expiry date
	EE Limited	2655 - 2690 MHz (DL) 2535 - 2570 MHz (UL)	TRA-ECS		National Coverage	Start: 01-03-2013 Expiry: 01-01-2099 Tradeable	No expiry date





**2.6 GHz Mobile Band**

2570-2620 MHz (unpaired frequency band)

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone Limited	2570 - 2595 MHz	TRA-ECS		National Coverage	Start: 01-03-2013 Expiry: 01-01-2099 Tradeable	No expiry date
	British Telecommunications Plc	2595 - 2620 MHz	TRA-ECS		National Coverage	Start: 22-04-2013 Expiry: 01-01-2099 Tradeable	No expiry date

**3.5 GHz Band**

3400-3600 MHz

	Operator	Frequencies	Application	Technology in use	Coverage	Duration, tradability	Comments
	Vodafone	3410 - 3460 MHz	TRA-ECS		National Coverage	Start: 05-04-2018 Expiry: 01-01-2100 Tradeable	No expiry date
	HUTCHISON 3G UK LIMITED	3460 - 3480 MHz	TRA-ECS		National Coverage	Start: 05-04-2018 Expiry: 01-01-2100 Tradeable	No expiry date
	TELEFONICA UK LIMITED	3500 - 3540 MHz	TRA-ECS		National Coverage	Start: 05-04-2018 Expiry: 01-01-2100 Tradeable	No expiry date
	EE Limited	3540 - 3580 MHz	TRA-ECS		National Coverage	Start: 05-04-2018 Expiry: 01-01-2100 Tradeable	No expiry date