



ECC Decision (22)05

ECC Decision on the withdrawal of ERC Decision (99)15 on the designation of the harmonised frequency band 40.5 to 43.5 GHz for the introduction of Multimedia Wireless Systems (MWS) and Point-to-Point (PtP) Fixed Wireless Systems

approved 18 November 2022

EXPLANATORY MEMORANDUM

1 INTRODUCTION

In 2022, the ERC Decision (99)15 on the designation of the harmonised frequency band 40.5 to 43.5 GHz for the introduction of Multimedia Wireless Systems (MWS) and Point-to-Point (PtP) Fixed Wireless Systems (FWS) was reviewed as part of the regular review of ECC Decisions.

MWS were intended to be terrestrial multipoint systems which have their origin in telecommunication and/or broadcasting and which provide fixed wireless access direct to the end user for multimedia services.

In addition, PtP Fixed Wireless Systems in the 40.5-43.5 GHz band are allowed on an optional basis. These systems are intended to be used for infrastructure purposes and/or providing access to the end user. The need for PtP Fixed Wireless Systems for large data capacity over short hops, e.g. for transport infrastructures needed for mobile communication networks below 6 GHz, is rapidly increasing. The 40.5-43.5 GHz band, of which propagation characteristics are very similar to 38 GHz, represents an important extension to the 23 GHz and 38 GHz bands.

Following the review, it was concluded that ERC Decision (99)15 was suitable for withdrawal and no longer needed.

2 BACKGROUND

The aim of the designation of the band 40.5-43.5 GHz for MWS was to provide confidence to manufacturers and operators for the implementation of MWS systems. During the 2022 review, it was noted that no market interest for MWS was identified and that there was no implementation of these systems. Furthermore, administrations reported only PtP links in the 40.5-43.5 GHz band.

The withdrawal of the ERC Decision (99)15 will have no effect on the implementation and usage of the PtP Fixed Service in the band. ECC Recommendation (01)04 defines recommended guidelines for the accommodation and assignment of MWS and PtP Fixed Wireless Systems in the frequency band 40.5-43.5 GHz. This Recommendation needs to be revised.

In summary, it is believed that the withdrawal of ERC Decision (99)15 does not have any negative consequences and may also stimulate the use by other alternative radio applications in the 40.5 to 43.5 GHz band in future.

3 REQUIREMENT FOR AN ECC DECISION

The ECC Rules of Procedure foresee that the withdrawal of a Decision is subject to the same procedure as the development and adoption of a new Decision. This Decision therefore is developed to withdraw the following ECC Decision:

- ERC Decision (99)15 of 1 June 1999 on the designation of the harmonised frequency band 40.5 to 43.5 GHz for the introduction of Multimedia Wireless Systems (MWS) and Point-to-Point (PtP) Fixed Wireless Systems.

ECC DECISION OF 18 NOVEMBER 2022 ON WITHDRAWAL OF ERC DECISION (99)15 OF 1 JUNE 1999 ON THE DESIGNATION OF THE HARMONISED FREQUENCY BAND 40.5 TO 43.5 GHz FOR THE INTRODUCTION OF MULTIMEDIA WIRELESS SYSTEMS (MWS) AND POINT-TO-POINT (PTP) FIXED WIRELESS SYSTEMS (ECC DECISION (22)05)

“The European Conference of Postal and Telecommunications Administrations,

considering

- a) that, since the introduction of ERC Decision (99)15, no market interest for MWS was identified and that there was no implementation of these systems in the band 40.5-42.5 GHz;
- b) that ECC Recommendation (01)04 provides guidelines for Multimedia Wireless Systems (MWS) and PtP Fixed Wireless Systems (FWS) in the 40.5-43.5 GHz frequency band;

DECIDES

1. to withdraw the ERC Decision (99)15 of 1 June 1999 on the designation of the harmonised frequency band 40.5 to 43.5 GHz for the introduction of Multimedia Wireless Systems (MWS) and Point-to-Point (PtP) Fixed Wireless Systems;
2. that this ECC Decision enters into force on 18 November 2022.”