**Normative part**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr** | **Parameter** | **Description** | **Comments** |
| **1** | **Radiocommunication Service** | Mobile Service |  |
| **2** | **Application** | MFCN | MFCN in the 24.25-27.5 GHz band shall not be used for connectivity from base stations to terminals on-board UAV. Only communications for connectivity from terminals on-board UAV to base stations is authorised (see *decides 7* in ECC Decision (18)06). |
| **3** | **Frequency band** | 24.25-27.5 GHz | CEPT administrations shall make available by the end of 2020 at least 1 GHz for MFCN in this band, subject to market demand (see *decides 2* in ECC Decision (18)06). |
| **4** | **Channelling** | The frequency arrangement is a TDD arrangement with a block size of 200 MHz;  This block size could be adjusted to narrower blocks (multiples of 50 MHz) adjacent to other users, to allow full use of spectrum, if required;  If blocks need to be offset to accommodate other uses, this shift to be done in 10 MHz steps. |  |
| **5** | **Modulation /  Occupied bandwidth** | Not specified | Technology neutral approach |
| **6** | **Direction /  Separation** | TDD: not applicable |  |
| **7** | **Transmit power / Power density** | Least Restrictive Technical Conditions (LRTC) applicable to the MFCN systems are specified in Annex 2 of ECC Decision (18)06:  Base station:   * Table 2: MFCN BS transitional region requirements for coexistence between MFCN networks in adjacent blocks (assuming synchronised operation) * Table 3: MFCN BS baseline requirements for coexistence with MFCN networks in other (non-adjacent) blocks in the band (assuming synchronised operation) * Table 4: MFCN BS additional baseline requirement: maximum emissions into the 23.6-24.0 GHz band * Table 5: Conditions applying to the elevation of the main beam from 5G AAS outdoor base stations   Terminal station:   * Table 6: MFCN terminal station maximum emissions into the 23.6-24.0 GHz band | The maximum in-block radiated power may be set in the licensing provisions (individual Right of Use). |
| **8** | **Channel access and occupation rules** | Tables 2 and 3 in ECC Decision (18)06 are defined assuming synchronised operation. Administrations may define appropriate mitigation measures to be applied in case of unsynchronised or semi-synchronised operations, taking into account, if available, an ECC Report on a toolbox for coexistence of MFCN in unsynchronised or semi-synchronised operations. Alternatively, administrations may further develop and use an appropriate block edge mask at national level. |  |
| **9** | **Authorisation regime** | Individual autorisation | The technical conditions related to coexistence with other services attached to ECC Decision (18)06 have been developed on the assumption of an individual authorisation framework; any other assumption on the authorisation framework, such as general authorisation or a combined individual/general authorisation regime may require different and/or supplementary technical conditions (see *considering j*) in ECC Decision (18)06). |
| **10** | **Additional essential requirements according to Art. 3.3 of RE Directive** | None |  |
| **11** | **Frequency planning assumptions** | Appropriate provisions are needed in the authorisation for MFCN to define precisely how to safeguard in a proportionate way the use of existing EESS/SRS receiving earth stations and the possibility for future earth station deployments in the 25.5-27 GHz frequency band (see *considering o*) in ECC Decision (18)06).  Appropriate provisions are needed in the authorisation for MFCN to define precisely how to safeguard in a proportionate way the use of existing FSS transmitting earth stations and the possibility for future earth station deployments in the 24.65-25.25 GHz frequency band (see *considering p*) in ECC Decision (18)06).  The protection of Radio Astronomy Service (RAS) observations in the 23.6-24.0 GHz band will require the implementation of suitable separation distances between RAS stations and MFCN transmitters on a case-by-case basis. |  |

**Informative Part**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr** | **Parameter** | **Description** | **Comments** |
| **12** | **Planned changes** | A regular assessment of the evolution of MFCN system characteristics, including network deployments, in a timeline consistent with the 5 years review process of the Decision, or sooner if necessary, will provide additional confidence that these LRTC ensure adequate protection of other services, in particular space services (see *considering p*) in ECC Decision (18)06). |  |
| **13** | **Reference** | EC Decision : under development  Harmonised Standards: TBD  CEPT: ECC Decision (18)06 (corrected 26 October 2018) |  |
| **14** | **Notification number** |  |  |
| **15** | **Remarks** |  |  |