

FREQUENCY ARRANGEMENTS FOR THE TERRESTRIAL COMPONENT OF IMT IN THE BANDS 3300-3400 MHZ, 3400-3600 MHZ AND 3600-3700 MHZ, OR COMBINATIONS THEREOF

The 29th Meeting of the Permanent Consultative Committee II: Radiocommunications,

CONSIDERING:

- a) That the ITU Radio Regulations identify the bands 3 300 – 3 400 MHz (No. **5.429D**), 3 400 – 3 600 MHz (No. **5.431B**), and 3 600 – 3 700 MHz (No. **5.434**) for use by administrations wishing to implement the terrestrial component of IMT and different regulatory provisions apply to each band, given that the conditions of such identification present particularities;
- b) [Recommendation PCC.II/REC. 8 \(IV-04\)](#) “Frequency arrangements for IMT-2000 in the bands 806 to 960 MHz, 1710 to 2025 MHz, 2110 to 2200 MHz and 2500 to 2690 MHz”;
- c) [Recommendation PCC.II/REC. 30 \(XVIII-11\)](#) “Frequency arrangements of the 698–806 MHz band in the Americas for broadband mobile services”;
- d) [Recommendation PCC.II / REC. 31 \(XVIII-11\)](#) “Harmonized use of the 450-470 MHz band for fixed and mobile broadband wireless services particularly in underserved areas”;
- e) [Recommendation PCC.II/REC. 32 \(XIX-12\)](#) “Frequency arrangements for the bands identified for International Mobile Telecommunications at WRC-07”;
- f) [Recommendation ITU-R M.1036](#) “Frequency arrangements for implementation of the terrestrial component of International Mobile Telecommunications (IMT) in the bands identified for IMT in the Radio Regulations”;
- g) That some technical and operational measures to ensure coexistence and compatibility between terrestrial component of IMT (in the mobile service) and the fixed satellite service may be applicable depending of the national regulations.
- h) [Recommendation PCC.II/REC. 46 \(XXV-15\)](#) “Guidelines to establish agreements for spectrum use in coordination areas”;
- i) [Recommendation PCC.II/REC. 44 \(XXIII-14\)](#) “Guidelines for the harmonization of measurement procedures for the technical verification of spectrum use for coordination in border areas”;

RECOGNIZING:

- a) That some administrations have not finalized their decisions regarding spectrum to be made available for IMT;
- b) That some administrations have not finalized their decisions regarding the frequency arrangements to be implemented in the bands, therefore further revisions to this Recommendation may be required in order to provide alternatives for the use of the spectrum in these bands for IMT;
- c) That the 3 300 – 3 700 MHz frequency range can benefit from commonality of equipment, enabling roaming and economies of scale, based on unpaired frequency blocks, which provide the flexibility to support IMT operation in any portion of the band within the frequency range,

¹ CCP11-2017-29-4375r2_i

RECOMMENDS:

1. That CITELE Member States consider selecting frequency arrangements that maximize harmonization for IMT systems;
2. That CITELE Member States, in selecting their frequency arrangement for IMT in 3 400 – 3 600 MHz, as per No. **5.431B**, make use of time division duplexing (TDD);
3. That the countries listed in No. **5.429D**, in selecting their frequency arrangement for IMT in 3 300 – 3 400 MHz, make use of time division duplexing (TDD);
4. That the countries listed in No. **5.434**, in selecting their frequency arrangement for IMT in 3 600 – 3 700 MHz, make use of time division duplexing (TDD);
5. That CITELE Member States consider adopting in their country a part or a combination of the bands in recommends 2, 3 and/or 4 based on the identifications in the Radio Regulations and their national regulations:

MHz	3300	3400		3600	3700
		5.429D	5.431B (Region 2)		5.434
1	TDD				
2			TDD		
3					TDD

6. That CITELE Member States, when deploying IMT systems in the bands that are the subject of this recommendation, in accordance with the provisions of the Radio Regulations, the applicable ITU recommendations and their relevant national regulations, ensure the coexistence with existing primary services;
7. That CITELE Member States develop bilateral or multilateral border coordination strategies taking into account considerations h) and i) and the relevant technical provisions of the Radio Regulations.