

**PCC.II/REC. 35 (XX-12)<sup>1</sup>**

**USE OF THE FREQUENCY RANGE 807-849 / 852-894 MHZ FOR MOBILE CELLULAR SERVICES**

The XX Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**CONSIDERING:**

- a) That the frequency range 698-960 MHz was identified for IMT in footnotes 5.313A and 5.317A of the International Telecommunication Union (ITU) Radio Regulations;
- b) That the 806-869 MHz band is contained in Resolution 646 (Rev. WRC-12);
- c) That Recommendation PCC.II / REC. 8 (IV-04) includes the array of frequencies for the band 806-960 MHz, specifically recommending an option of pairing of this spectrum band to the transmission of the mobile starting at 824 MHz, paired with the base station transmission starting at 869 MHz, with a duplex spacing of 45 MHz;
- d) That the allocation of larger and contiguous bandwidths facilitates the development of the service and systems, providing greater flexibility for more effective and efficient use of spectrum;
- e) It is demonstrated the need for additional spectrum to meet the requirements of mobile broadband technologies including IMT;
- f) That much of the band 806-824 / 851-869 MHz is used for Trunking systems in most American countries according to the Recommendation PCC.III / REC. 28 (VI-96).
- g) That the Specialized Mobile Radio systems (SMR for its acronym in English or ESMR) use parts of the band 806-824 / 851-869 MHz, and that some of these systems are used to provide a similar cellular service;
- h) It is beneficial to harmonize the use of the 800 MHz band in the region of the Americas to advantage of economies of scale, global roaming and facilitate the coordination of systems in border areas,

**NOTING:**

That 3GPP has defined the operating band 26 (814-849 MHz / 859-894 MHz) and the operating band 27 (807-824 MHz / 852-869 MHz), including their corresponding sets of technical requirements. Band 26 replaces and extends band 5 (824-849 MHz / 869-894 MHz) with 10+10 MHz more spectrum and band 27 is a new band adjacent to band 5 with 17+17 MHz;

---

<sup>1</sup> CCP.II-RADIO/doc.3140/12 rev.1

**RECOGNIZING:**

That the systems currently in operation in the 800 MHz band in accordance with Recommendation CCP III / REC. 28 (VI-96) must be protected from potential harmful interference from new services, which could eventually be convenient its spectral relocation,

**RECOMMENDS:**

1. That CITEL Member Administrations planning to expand the range of frequencies for mobile broadband services in the 806-894 MHz band, do so according to the frequency arrangement shown in the following Figure 1.

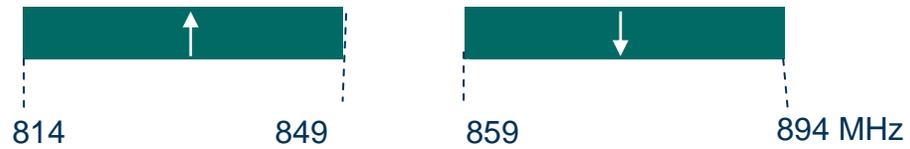


Figure 1. Settlement of frequencies in the band 814-849/859-894 MHz

2. That OAS/CITEL Member Administrations planning to expand the range of frequencies for mobile broadband services in the 806-894 MHz band, do so according to the frequency arrangement shown in following Figure 2.

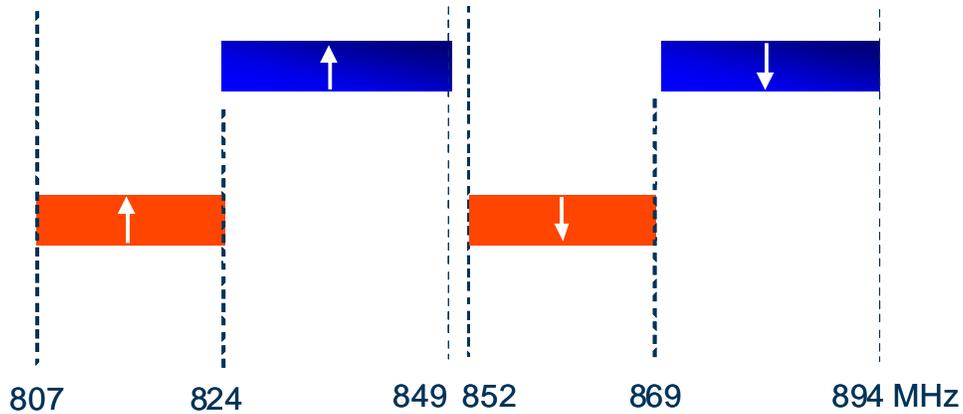


Figure 2. Settlement of frequencies in the band 807-849/852-894 MHz.