

**PCC.II/REC. 51 (XXVII-16) <sup>1</sup>**

**USE OF THE FREQUENCY RANGE 10.7 – 12.2 GHZ FOR SATELLITE TELEVISION APPLICATIONS.**

The 27th meeting of Permanent Consultative Committee II, Radiocommunications:

**CONSIDERING:**

- a) That delivering audiovisual services via satellite (generically known as satellite television or DTH) has had continuous growth since their introduction in the Americas Region.
- b) That in April 2016, the number of subscribers of satellite television applications was above 70 million in Americas Region<sup>2</sup>.

**TAKING NOTE:**

- a) That some member states have further adopted within their national regulations, including their national allocation tables, the possibility of use of the range 10.7 – 12.2 GHz, or parts thereof, for applications of satellite television, by assuring protection the other uses within the mentioned range;
- b) That member states should take into account the need to protect existing services and applications when planning the use of the 10.7-12.2 GHz band.

**RECOGNIZING:**

- a) That Radio Regulations article 5 allocates:
  - i. Frequency Range 10,7-11,7 GHz, in a co-primary basis to the Fixed, Fixed Satellite and mobile except aeronautical mobile services,
  - ii. Frequency range 11,7-12,1 GHz in a co-primary basis to the Fixed and Fixed Satellite services, and in a secondary basis to mobile except aeronautical mobile service;
  - iii. Frequency range 12,1-12,2 GHz in a primary basis to the Fixed Satellite service;

*Additionally RR No. 5.485 states: “In Region 2, in the band 11.7-12.2 GHz, transponders on space stations in the fixed-satellite service may be used additionally for transmissions in the broadcasting-satellite service, provided that such transmissions do not have a maximum e.i.r.p. greater than 53 dBW per television channel and do not cause greater interference or require more protection from interference than the coordinated fixed-*

---

<sup>1</sup> PCC.II-RADIO/doc. 4073/16 r4

<sup>2</sup> Source: Telecommunications Management Group based on the Business Bureau, Market Estimates – 1Q 2016 – Paid TV Market in LATAM, Leichtman Research Group, Research Notes, 1Q 2016, and Instituto Federal de Telecomunicaciones de Mexico, 4Q 2015 Statistical Report.

*satellite service frequency assignments. With respect to the space services, this band shall be used principally for the fixed-satellite service”.*

- b) That diverse geostationary satellite networks that have coverage in Region 2, operate in the frequency range 10.7 – 12.2 GHz, and parts of this range, and are currently used by television satellite applications, among other uses.

**RECOMMENDS:**

That CITEL Member States consider to establish or update in their regulatory framework the conditions of use for satellite television applications within the frequency range 10.7-12.2 GHz, or parts of it, without any restriction to other uses of this frequency range which have to be protected.