

PCC.II/REC. 51 (XXVII-16) ¹

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 Region².

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-

¹ PCC.II-RADIO/doc. 4073/16 r4

² 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.