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| **World Radiocommunication Conference (WRC-15) Geneva, 2-27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
|  |  |
| **PLENARY MEETING** | **Addendum 18 to Document xx-E** |
| **31 July 2015** |
| **Original: English** |
| Asia-Pacific Telecommunity Common Proposals | |
| PROPOSALS FOR THE WORK OF THE CONFERENCE | |
|  | |
| Agenda item 1.18 | |

1.18 to consider a primary allocation to the radiolocation service for automotive applications in the 77.5-78.0 GHz frequency band in accordance with Resolution **654 (WRC-12)**;

Resolution **654 (WRC-12)**: Allocation of the band 77.5-78 GHz to the radiolocation service to support automotive short-range high-resolution radar operations

**Introduction:**

Add a primary allocation to the RLS on a worldwide basis in the band 77.5 GHz and 78 GHz, limited to radar applications with technical characteristics given in the most recent version of Recommendation ITU-R M.2057.

**Proposals**

ARTICLE 5

**Frequency allocations**

**Section IV – Table of Frequency Allocations**(See No. **2.1**)

**MOD** **ASP/xxA18/1**

66-81 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| … | | |
| 76-77.5 RADIO ASTRONOMY  RADIOLOCATION  Amateur  Amateur-satellite  Space research (space-to-Earth)  5.149 | | |
| 77.5-78 AMATEUR  AMATEUR-SATELLITE  RADIOLOCATION ADD 5.A118  Radio astronomy  Space research (space-to-Earth)  5.149 | | |
| 78-79 RADIOLOCATION  Amateur  Amateur-satellite  Radio astronomy  Space research (space-to-Earth)  5.149 5.560 | | |
| 79-81 RADIO ASTRONOMY  RADIOLOCATION  Amateur  Amateur-satellite  Space research (space-to-Earth)  5.149 | | |

ADD ASP/xxA18/2

5.A118

The use of the 77.5-78 GHz frequency band by the radiolocation service is limited to radar applications with technical characteristics given in the most recent version of Recommendation ITU-R M.2057

**Reason:**

Compatibility studies between radars operated in the 77.5-78 GHz band and existing services were conducted in ITU-R taking into account only these technical characteristics.

SUP ASP/xxA18/3

RESOLUTION 654 (WRC‑12)

Allocation of the band 77.5-78 GHz to the radiolocation service to support automotive short-range high-resolution radar operations

**Reasons:** The Resolution is not required post WRC-15.

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