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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Addendum 18 to Document 9-E** |
|  | **15 October 2015** |
|  | **Original: English** |
|  | |
| European 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)**;

Introduction

CEPT proposes to add a primary allocation to RLS in the Table of Frequency Allocations of RR Article 5, and to add a footnote specifying technical characteristics of radars operating in the band.

In addition CEPT proposes to suppress Resolution 654 (WRC-12) since it will become superfluous after the studies are completed and the allocation to RLS adopted by WRC-15.

Proposals

ARTICLE 5

Frequency allocations

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

MOD EUR/9A18/1

66-81 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 77.5-78 AMATEUR  AMATEUR-SATELLITE  RADIOLOCATION ADD 5.A118  Radio astronomy  Space research (space-to-Earth)  5.149 | | |

ADD EUR/9A18/2

5.A118 The use of the 77.5-78.0 GHz frequency band by the radiolocation service is limited to short-range radars, having a maximum mean power density of −3 dBm/MHz e.i.r.p. associated with a peak power of 55 dBm e.i.r.p.

**Reasons:** Compatibility studies between short-range radars operated in the 77.5-78 GHz band, and existing services were conducted in the ITU-R taking account only these technical characteristics.

NOC

5.149

ADD EUR/9A18/3

Draft New Resolution [EUR-9A118] (wrc-15)

Technical studies on the coexistence of the radiolocation service and the incumbent services in the frequency band 76-81 GHz

The World Radiocommunication Conference (Geneva, 2015),

considering

*a)*  that the frequency band 77.5-78 GHz is allocated to the amateur and amateur-satellite services on a primary basis;

*b)* that the frequency band 77.5-78 GHz is allocated to the radio astronomy service on a secondary basis;

*c)* that WRC‑15 allocated the frequency band 77.5-78 GHz to the radiolocation service on a primary basis;

*d)* that under No. **5.149**, administrations, in making assignments to stations of services other than radio astronomy to which the band 76-86 GHz is allocated, are urged to take all practicable steps to protect the radio astronomy service from harmful interference,

recognizing

that administrations may benefit from the availability of studies and guidelines about the protection of the radio astronomy service in the band 76-81 GHz,

noting

*a)* that the allocation of the band 76-81 GHz to the radiolocation service is used by short-range applications and that a radar station may use the entire band 76-81 GHz;

*b)* that technical parameters of radars from automotive parameters are contained in Recommendation ITU‑R M.2057;

*c)* that sharing studies between the radio astronomy service and the radiolocation service limited to automotive radars as described in Recommendation ITU‑R M.2057 are contained in the Report ITU‑R M.2322,

resolves to invite ITU‑R

to perform studies to assist administrations in ensuring compatibility between applications of the amateur, the amateur-satellite and the radio astronomy services and radiolocation service applications in the band 76-81 GHz which have not been taken into account in Report ITU‑R M.2322 and develop ITU‑R Recommendations, as appropriate,

invites the Director of the Radiocommunication Bureau

to report on the results of these studies to WRC‑19.

SUP EUR/9A18/4

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:** CEPT proposes to suppress Resolution 654 (WRC-12)since it will become superfluous after the studies are completed and the allocation to RLS adopted by WRC-15.

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