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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| **PLENARY MEETING** | **Addendum 13 to Document 8-E** |
|  | **5 June 2015** |
|  | **Original: Russian** |
|  | |
| Regional Commonwealth in the field of Communications Common Proposals | |
| Proposals for the work of the conference | |
|  | |
| Agenda item 1.13 | |

1.13 to review No. **5.268** with a view to examining the possibility for increasing the 5 km distance limitation and allowing space research service (space-to-space) use for proximity operations by space vehicles communicating with an orbiting manned space vehicle, in accordance with Resolution **652 (WRC‑12)**;

Resolution **652 (WRC‑12)**: Use of the band 410-420 MHz by the space research service (space-to-space)

Introduction

The RCC Administrations support the single method proposed to satisfy the agenda item as described in § 2/1.13/5, and the example of regulatory text as contained in § 2/1.13/6, of the CPM Report, as shown below with a number of editorial amendments.

Proposals

ARTICLE 5

Frequency allocations

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

MOD RCC/8A13/1

410-460 MHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 410-420 FIXED  MOBILE except aeronautical mobile  SPACE RESEARCH (space-to-space) MOD 5.268 | | |

MOD RCC/8A13/2

5.268 Use of the frequency band 410-420 MHz by systems of the space research service is limited to space-to-space communication links with an orbiting, manned space vehicle. The power flux-density at the surface of the Earth produced by emissions from transmitting stations of the space research service (space-to-space) in the frequency band 410-420 MHz shall not exceed –153 dB(W/m2) for 0 ≤ δ ≤ 5, ‑153  0.077 (δ – 5) dB(W/m2) for 5 ≤ δ ≤ 70 and –148 dB(W/m2) for 70 ≤ δ ≤ , where δ is the angle of arrival of the radio-frequency wave and the reference bandwidth is 4 kHz. In this frequency band stations of the space research (space-to-space) service shall not claim protection from, nor constrain the use and development of, stations of the fixed and mobile services. No. **4.10** does not apply.     (WRC-15)

**Reasons:** To allow for broader use of the frequency band 410-420 MHz by SRS (space-to-space) systems, including for communications between space vehicles, while maintaining the power flux-density limit at the Earth's surface in the frequency band 410-420 MHz stipulated in RR No. 5.268.

SUP RCC/8A13/3

RESOLUTION 652 (WRC‑12)

Use of the band 410-420 MHz by the space research service (space-to-space)

**Reasons:** This resolution is no longer required.

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