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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 25-E** |
|  | **10 September 2015** |
|  | **Original: Arabic** |
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| Arab States 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)**;

Introduction

Resolution 652 (WRC-12) invited ITU-R to conduct sharing studies between SRS (space-to-space) systems communicating in proximity with orbiting manned space vehicles and systems operating in the fixed and mobile (except aeronautical mobile) services in the band 410-420 MHz, in order to review No. 5.268 of the Radio Regulations with a view to examining the possibility of 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.

ITU-R studies concluded that the protection criteria specified in RR No. 5.268 can be met without imposing a distance limitation on SRS use of proximity operations.

Pursuant to the results of the studies, the Arab States administrations propose amending RR No. 5.268 to remove the 5 km distance limitation and not limiting the use of band 410-420 MHz to extra-vehicular activities. Consequently Resolution 652 (WRC‑12) should also be suppressed.

Proposal

ARTICLE 5

Frequency allocations

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

MOD ARB/25A13/1

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 ARB/25A13/2

5.268 Use of the frequency band 410-420 MHz by the space research service is limited to space-to-space communications 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)

SUP ARB/25A13/3

RESOLUTION 652 (WRC‑12)

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

**Reasons:** There is no need for this resolution.

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