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| A close up of a sign  Description automatically generated | **World Radiocommunication Conference (WRC-23) Dubai, 20 November - 15 December 2023** | |  |
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| PLENARY MEETING | | **Addendum 14 to Document 142-E** | |
|  | | **29 October 2023** | |
|  | | **Original: English** | |
|  | | | |
| United States of America | | | |
| PROPOSALS FOR THE WORK OF THE CONFERENCE | | | |
|  | | | |
| Agenda item 1.14 | | | |

1.14 to review and consider possible adjustments of the existing frequency allocations or possible new primary frequency allocations to the Earth exploration-satellite service (passive) in the frequency range 231.5-252 GHz, to ensure alignment with more up-to-date remote-sensing observation requirements, in accordance with Resolution **662 (WRC‑19)**;

ARTICLE 5

Frequency allocations

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

MOD USA/142A14/1#1863

200-248 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 232-235FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE  Radiolocation | | |
| 235-238 EARTH EXPLORATION-SATELLITE (passive) ADD 5.B114  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE  SPACE RESEARCH (passive)  5.563A 5.563B | | |
| 238-239.2 FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE  RADIOLOCATION  RADIONAVIGATION  RADIONAVIGATION-SATELLITE | | |
| 239.2-240 EARTH EXPLORATION-SATELLITE (passive) ADD 5.C114  FIXED-SATELLITE (space-to-Earth)  RADIOLOCATION  RADIONAVIGATION  RADIONAVIGATION-SATELLITE | | |
| 240-241 EARTH EXPLORATION-SATELLITE (passive) ADD 5.C114  RADIOLOCATION | | |
| 241-242.2 EARTH EXPLORATION-SATELLITE (passive) ADD 5.C114  RADIO ASTRONOMY  RADIOLOCATION  Amateur  Amateur-satellite  5.149 | | |
| 242.2-244.2 RADIO ASTRONOMY  RADIOLOCATION  Amateur  Amateur-satellite  5.138 5.149 | | |
| 244.2-247.2 EARTH EXPLORATION-SATELLITE (passive)  RADIO ASTRONOMY  RADIOLOCATION  Amateur  Amateur-satellite  5.138 5.149 | | |
| 247.2-248 RADIO ASTRONOMY  RADIOLOCATION  Amateur  Amateur-satellite  5.149 | | |

**Reasons:** Provides new allocations to the Earth exploration-satellite service on the condition that no future constraints are added on the existing primary active services.

ADD USA/142A14/2#1866

5.B114 The use of the frequency band 235-238 GHz by the Earth exploration-satellite service (passive) is limited to the operation of limb sounding passive sensors. In the 235-238 GHz band, stations in the Earth exploration-satellite service (passive) shall not claim protection from stations of the fixed and mobile services operating in the 232-235 GHz, 235-238 GHz, and 238-239.2 GHz frequency bands.     (WRC-23)

**Reasons:** To ensure no future constraints on the use of the fixed and mobile services operating in the frequency band.

ADD USA/142A14/3

5.C114 In the frequency bands 239.2-242.2 GHz and 244.2-247.2 GHz, stations of the Earth exploration-satellite service (passive) shall not claim protection from stations of the radiolocation service.     (WRC‑23)

**Reasons:** Provides 6 GHz of new Earth exploration-satellite service (passive) spectrum, while not imposing any additional constraints on the use of the radiolocation service which is allocated on a primary basis in the frequency band 238-248 GHz.

SUP USA/142A14/4#1867

RESOLUTION 662 (WRC‑19)

Review of frequency allocations for the Earth exploration-satellite service (passive) in the frequency range 231.5-252 GHz and consideration of possible adjustment according to observation requirements of passive microwave sensors

**Reasons:** The studies are concluded.

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