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| **36 MEETING OF PERMANENT**  **CONSULTATIVE COMMITTEE II:**  **RADIOCOMMUNICATIONS**  **November 30 to December 4, 2020**  ***Virtual meeting*** | | **OEA/Ser.L/XVII.4.2.36**  **CCP.II-RADIO/doc. /20**  **7 November 2020**  **Original: English** | |
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|  | **U.S. PRELIMINARY VIEW ON WRC-23 AGENDA ITEM 1.14** | |  |
|  | **(Item on the Agenda: 3.1)** | |  |
|  | **(Document submitted by the United States of America)** | |  |

**Introduction:**

This document contains an attachment including the USA preliminary view on WRC-23 Agenda Item 1.14 for consideration in CITEL’s preparation for WRC-23.

**UNITED STATES OF AMERICA**

**DRAFT PRELIMINARY VIEWS ON WRC-23**

**AGENDA ITEM 1.14**: to review and consider possible adjustments of the existing or possible new primary frequency allocations to EESS (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)**.

**BACKGROUND:**

Within the frequency range 231.5-252 GHz, the frequency bands 235-238 GHz and 250-252 GHz are allocated to the EESS (passive) for the use of passive microwave remote sensing systems. These two allocations were adopted at WRC-2000. However, scientific and technology developments for passive microwave sensor measurements have evolved in the last twenty years and some remote passive sensor systems are under development and could benefit from the ability to operate on some channel(s) within the frequency range 239-248 GHz, given the specific resonance frequency characteristics of ice clouds.

The 231.5-232 GHz frequency band is allocated on a co-primary basis to the Fixed and Mobile Services. The 232-235 GHz frequency band is allocated on a co-primary basis to the Fixed, Fixed Satellite (space-to-Earth) and Mobile Services. The 238-240 GHz frequency band is allocated on a co-primary basis to the Fixed, Fixed Satellite (space-to-Earth), Mobile, Radiolocation, Radionavigation, and Radionavigation-Satellite Services. The 240-241 GHz frequency band is allocated on a co-primary basis to the Fixed, Mobile, and Radiolocation Services. The 241-248 GHz frequency band is allocated on a co-primary basis to the Radio Astronomy and the Radiolocation Services. The 248-250 GHz frequency band is allocated on a co-primary basis to the Amateur and Amateur Satellite Services. The 241-250 GHz frequency range is also subject to Radio Regulations **No. 5.149**, regarding the protection of Radio Astronomy sites.

Studies will be conducted to determine the potential impact of making adjustments and/or extensions of the EESS (passive) allocations within the frequency range 231.5-252 GHz on the primary services in these frequency bands in accordance with Resolution **662 (WRC-19)**.

**U.S. VIEW:**

The United States supports studies to review the existing EESS (passive) allocations and consider possible adjustments to existing allocations or new allocations to the EESS (passive) within the frequency range 231.5-252 GHz in accordance with Resolution **662 (WRC-19)**, without unduly constraining the primary services currently allocated