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| 1. **Agenda item** | | | | | | | | | | | |
| **Agenda Item**  1.13 | | | *to review and consider possible adjustments of the existing 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)****;* | | | | | | | | |
| **Working Group** | | | WG 3 | | **Sub-Working Group** | | | SWG 3C |
| **Coordinator** | Dr. Md Sohel Rana | | | | | | | | **Email** | ranasohelbtrc@gmail.com | | |
| **WP Chair** | Mr. Wahyudi Hasbi | | | | | | | | **Email** | wahyudi.hasbi@lapan.go.id | | |
| **Report Date** | 03.04.2023 | | | | | | | | | | |
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| 1. **APT** | | | | | | | | | | | |
| **APT Preliminary Views**  CPM23-2/xxxx | | | | For the APT Preliminary Views on the Agenda item adopted at APG23-5, please refer to the output document of APG23-5 meeting (Doc.[APG23-5/OUT-22](https://www.apt.int/sites/default/files/2023/03/APG23-5-OUT-22_PV_AI1.14_ed.docx)).  APT did not submit input contribution to CPM23-2 meeting on this Agenda item. | | | | | | | |
| **APT Views for modification of CPM Report**  CPM23-2/xxxx | | | | None. | | | | | | | |
| **Outcome from earlier**  **APT Coord meeting** | | | | None. | | | | | | | |
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| 1. **Other regional groups** | | | | | | | | | | | |
|  | | **ASMG** | | | | | **ATU** | | **Canada** | | **China** |
| **Input(s)** | | CPM23-2/48 | | | | | CPM23-2/136 | | CPM23-2/22 | | CPM23-2/62 |
| **Summary of views/proposals** | | The proposed  modifications  seek to provide reasons for the deletion of No  Change method since this method does not provide an appropriate response to the requirements of EESS (passive) | | | | | The proposed  modifications  seek to provide reasons for the deletion of No  Change method since this method does not provide an appropriate response to the requirements of EESS (passive) | | The proposed modifications  seek to provide reasons for the deletion of No Change method, as well as, implementation of power limit on FS and MS in the frequency band 239.2-242.2GHz and addition of a provision to ensure that  there will be no potential future impact to the FS/MS in the frequency band 235-238 GHz. | | This administration proposes to use the e.i.r.p power density limit instead of transmission power as the limit requirement in 5.A114 for protection of EESS (passive) services. The specific value is recommended to be 3dBW/GHz (67-34=33dBm/GHz). |
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| 1. **Summary of discussions during CPM23-2** | | | | | | | | | | | |
| **Working documents/TEMPs etc** | | | | | Working documents: [22 (Canada)](022e_AI%201.14%20CANADA.docx), [48 (ASMG)](048e_AI%201.14%20ASMG.docx), [62(CHN)](062e_AI%201.14%20CHINA.docx) [136 (ATU),](136e_AI%201.14%20AFRICAN.docx)  Topic proposed by these contributions:   * Modification of Summary of result of ITU-R Study and Methods to satisfy the agenda item; * Providing reasons for Method C (NOC); * Modifications of Method A and B. | | | | | | |
| The CPM 23-2 meeting finalized the modifications to the Draft CPM text of Agenda Item 1.14, as shown in TEMP document CPM23-2/DT/2, which will be presented to WG 3 meeting and, if approved, a subsequent plenary meeting.  After the discussion at the meeting, method A and B have been modified for the implementation of power limit onFS and MS in the frequency band 239.2-242.2GHz and addition of a provision to ensure that there will be no pote-ntial future impact to the FS/MS in the frequency band 235-238 GHz. In order to avoid undue constraints on the FS and MS in the frequency band 239.2-241 GHz (1.8 GHz of BW), in accordance with Resolution **662 (WRC-19)**, the existing FS and MS allocations could be shifted to the frequency band 235-238 GHz (3 GHz of BW). With such a shift, the potential of interference to the EESS (passive) could be avoided and no constraints would have to be placed on the FS and MS. On the contrary, the FS and MS would gain 1.2 GHz of additional primary allocations, and the two frequency ranges 231.5-235 GHz (3.5 GHz of BW) and 238‑241 GHz (3 GHz of BW) would be transformed into one block of contiguous allocations in the frequency range 231.5-239.2 GHz (7.7 GHz of contiguous BW). Since there is no FS/MS stations deployment at present, this shift has no impact on the future usage of the FS/MS. In addition, such a shift would not negatively affect the existing services in the frequency band 235-238 GHz.  In the TEMP document, there are 3 methods to satisfy this agenda item:   * Method A: Addition of new primary allocations to the EESS (passive) in the frequency bands 239.2-242.2 GHz and 244.2-247.2 GHz, and implementation of power limits on the FS and MS in the frequency band 239.2-241 GHz; * Method B: Addition of new primary allocations to the EESS (passive) in the frequency bands 239.2-242.2  GHz and 244.2-247.2 GHz, switch of the current FS and MS allocations in the frequency band 239.2-241  GHz to the frequency band 235-238 GHz and limitation of the EESS(passive) allocation in the 235-238 GHz to limb-sounding operations. * Method C: No change | | | | | | | | | | | |
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| 1. **Issue(s) which require discussion and further guidance at APG Coordination meeting** | | | | | | | | | | | |
| None. | | | | | | | | | | | |