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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 4 to Document 65(Add.24)-E** | |
|  | | **4 October 2023** | |
|  | | **Original: English** | |
|  | | | |
| European Common Proposals | | | |
| Proposals for the work of the Conference | | | |
|  | | | |
| Agenda item 9.1(9.1-d) | | | |

9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the ITU Convention;

9.1 on the activities of the ITU Radiocommunication Sector since WRC‑19:

(9.1-d) Protection of EESS (passive) in the frequency band 36-37 GHz from non-GSO FSS space stations

Part 4: Topic d)

Introduction

CEPT supports the protection of EESS (passive) in the frequency band 36-37 GHz and in particular the CIMR sensor that will be operating under COPERNICUS through an unwanted emission limit of −31 dB(W/100 MHz) to be applied in the 36-37 GHz frequency band. CEPT also supports applying necessary regulatory changes at this Conference rather than unnecessarily wait for another Conference.

This ECP proposes the addition of a new footnote in RR Article **5** to address this, as well as the related addition of a commitment in RR Appendix **4**.

Proposals

ARTICLE 5

Frequency allocations

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

MOD EUR/65A24A4/1

34.2-40 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 36-37EARTH EXPLORATION-SATELLITE (passive)  FIXED  MOBILE  SPACE RESEARCH (passive)  5.149 5.550A | | |
| 37-37.5 FIXED  MOBILE except aeronautical mobile 5.550B  SPACE RESEARCH (space-to-Earth)  5.547 | | |
| 37.5-38 FIXED  FIXED-SATELLITE (space-to-Earth) 5.550C ADD 5.A91D  MOBILE except aeronautical mobile 5.550B  SPACE RESEARCH (space-to-Earth)  Earth exploration-satellite (space-to-Earth)  5.547 | | |

ADD EUR/65A24A4/2

5.A91D Non-GSO FSS space stations operating with an apogee altitude above 407 km and below 2 000 km in the frequency band 37.5-38 GHz shall not exceed an unwanted emission output power limit of −31 dB(W/100 MHz) in the frequency band 36-37 GHz in order to protect the Earth exploration-satellite service (passive) operating in this band.     (WRC‑23)

**Reasons:** To ensure the protection of the EESS (passive) calibration channel.

APPENDIX 4 (REV.WRC‑19)

Consolidated list and tables of characteristics for use in the  
application of the procedures of Chapter III

ANNEX 2

Characteristics of satellite networks, earth stations  
or radio astronomy stations2    (Rev.WRC‑12)

Footnotes to Tables A, B, C and D

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**TABLE A**

GENERAL CHARACTERISTICS OF THE SATELLITE NETWORK OR SYSTEM,  
EARTH STATION OR RADIO ASTRONOMY STATION     (Rev.WRC‑23)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Items in Appendix** | ***A \_ GENERAL CHARACTERISTICS OF THE SATELLITE NETWORK OR SYSTEM, EARTH STATION OR RADIO ASTRONOMY STATION*** | **Advance publication of a geostationary- satellite network** | **Advance publication of a non-geostationary-satellite network or system subject to coordination under Section II  of Article 9** | **Advance publication of a non-geostationary-satellite network or system not subject to coordination under Section II  of Article 9** | **Notification or coordination of a geostationary-satellite network (including space operation functions under Article 2A of Appendices 30 or 30A)** | **Notification or coordination of a non-geostationary-satellite network or system** | **Notification or coordination of an earth station (including notification under  Appendices 30A or 30B)** | **Notice for a satellite network in the broadcasting-satellite service under  Appendix 30 (Articles 4 and 5)** | **Notice for a satellite network  (feeder-link) under Appendix 30A  (Articles 4 and 5)** | **Notice for a satellite network in the fixed- satellite service under Appendix 30B  (Articles 6 and 8)** | **Items in Appendix** | **Radio astronomy** |
| … | … | … | … | … | **…** | **…** | **…** | **…** | **…** | **…** | … | **…** |
| **A.24** | **COMPLIANCE WITH NOTIFICATION OF A NON-GSO SHORT DURATION MISSION** |  | | | | | | | | | **A.24** |  |
| A.24.a | a commitment by the administration that, in the case that unacceptable interference caused by a non-GSO satellite network or system identified as short-duration mission in accordance with Resolution **32 (WRC‑19)** is not resolved, the administration shall undertake steps to eliminate the interference or reduce it to an acceptable level  Required only for notification |  |  |  |  | **+** |  |  |  |  | A.24a |  |
| **A.25** | **COMPLIANCE WITH THE UNWANTED EMISSION LIMIT IN No. 5.A91D** |  | | | | | | | | | **A.25** |  |
| A.25.a | a commitment by the notifying administration for a non-GSO FSS system with an orbital apogee of more than 407 km and less than 2 000 km in the frequency band 37.5-38 GHz that the output power in the frequency band 36-37 GHz shall be less than −31 dB(W/100 MHz)  Required only for notification |  |  |  |  | **+** |  |  |  |  | A.25a |  |

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