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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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|  | **Addendum 10 to Document 62-E** |
|  | **16 October 2015** |
|  | **Original: Chinese** |
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| China (People's Republic of) | |
| Proposals for the work of the conference | |
|  | |
| Agenda item 1.10 | |

1.10 to consider spectrum requirements and possible additional spectrum allocations for the mobile-satellite service in the Earth-to-space and space-to-Earth directions, including the satellite component for broadband applications, including International Mobile Telecommunications (IMT), within the frequency range from 22 GHz to 26 GHz, in accordance with Resolution **234 (WRC‑12)**;

Background

Resolution 234 (WRC-12) *resolves to invite ITU-R “to complete, for WRC-15, sharing and compatibility studies towards additional allocations to the mobile-satellite service in the Earth-to-space and space-to-Earth directions, within portions of the bands between 22 GHz and 26 GHz, while ensuring protection of existing services within these bands as well as taking into account No.****5.340*** *and No.* ***5.149***”.

According to RR, edition of 2012, the bands between 22 GHz and 26 GHz are allocated to the following services: radio astronomy service, Earth exploration-satellite service, space research service, inter-satellite service, fixed-satellite service, amateur-satellite service, radiolocation-satellite service, standard frequency and time signal-satellite service, amateur service, radiolocation service, radionavigation service, fixed service and mobile service.

Proposals

According to the present compatibility studies, it is not feasible for many frequency bands between 22 GHz and 26 GHz, such as the bands allocated to the radio astronomy service, Earth exploration-satellite service etc., to be allocated to MSS.

Considering the result of the compatibility analysis, the Chinese Administration’s view on WRC-15 agenda item 1.10 is to support Method A in the CPM Report.

ARTICLE 5

Frequency allocations

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

NOC CHN/62A10/1

22-24.75 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 22-22.21 FIXED  MOBILE except aeronautical mobile  5.149 | | |
| 22.21-22.5 EARTH EXPLORATION-SATELLITE (passive)  FIXED  MOBILE except aeronautical mobile  RADIO ASTRONOMY  SPACE RESEARCH (passive)  5.149 5.532 | | |
| 22.5-22.55 FIXED  MOBILE | | |
| 22.55-23.15 FIXED  INTER-SATELLITE 5.338A  MOBILE  SPACE RESEARCH (Earth-to-space) 5.532A  5.149 | | |
| 23.15-23.55 FIXED  INTER-SATELLITE 5.338A  MOBILE | | |
| 23.55-23.6 FIXED  MOBILE | | |
| 23.6-24 EARTH EXPLORATION-SATELLITE (passive)  RADIO ASTRONOMY  SPACE RESEARCH (passive)  5.340 | | |
| 24-24.05 AMATEUR  AMATEUR-SATELLITE  5.150 | | |
| 24.05-24.25 RADIOLOCATION  Amateur  Earth exploration-satellite (active)  5.150 | | |
| 24.25-24.45  FIXED | 24.25-24.45  RADIONAVIGATION | 24.25-24.45  RADIONAVIGATION  FIXED  MOBILE |
| 24.45-24.65  FIXED  INTER-SATELLITE | 24.45-24.65  INTER-SATELLITE  RADIONAVIGATION | 24.45-24.65  FIXED  INTER-SATELLITE  MOBILE  RADIONAVIGATION |
|  | 5.533 | 5.533 |
| 24.65-24.75  FIXED  FIXED-SATELLITE (Earth-to-space) 5.532B  INTER-SATELLITE | 24.65-24.75  INTER-SATELLITE  RADIOLOCATION- SATELLITE (Earth-to-space) | 24.65-24.75  FIXED  FIXED-SATELLITE (Earth-to-space) 5.532B  INTER-SATELLITE  MOBILE |
|  |  | 5.533 |

**Reasons:** According to present compatibility studies, it is not feasible for frequency bands between 22 GHz and 26 GHz to be allocated to MSS.

NOC CHN/62A10/2

24.75-29.9 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 24.75-25.25  FIXED  FIXED-SATELLITE (Earth-to-space) 5.532B | 24.75-25.25  FIXED-SATELLITE (Earth-to-space) 5.535 | 24.75-25.25  FIXED  FIXED-SATELLITE (Earth-to-space) 5.535  MOBILE |
| 25.25-25.5 FIXED  INTER-SATELLITE 5.536  MOBILE  Standard frequency and time signal-satellite (Earth-to-space) | | |
| 25.5-27EARTH EXPLORATION-SATELLITE (space-to Earth) 5.536B  FIXED  INTER-SATELLITE 5.536  MOBILE  SPACE RESEARCH (space-to-Earth) 5.536C  Standard frequency and time signal-satellite (Earth-to-space)  5.536A | | |

**Reasons:** According to present compatibility studies, it is not feasible for frequency bands between 22 GHz and 26 GHz to be allocated to MSS.

SUP CHN/62A10/3

RESOLUTION 234 (WRC‑12)

Additional primary allocations to the mobile-satellite service   
within the bands from 22 GHz to 26 GHz

**Reasons:** No further sharing and compatibility studies towards additional allocations to MSS in this band would be needed.

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