**Report of the Agenda Item Coordinator during WRC-19**

Hiroyuki Atarashi, hiroyuki.atarashi.yt@nttdocomo.com

5 November 2019

1. Agenda Item

*1.13 to consider identification of frequency bands for the future development of International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution* ***238 (WRC 15)****;*

1. APT Common Proposals and APT Views for WRC-19 (which has been submitted to WRC-19)

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Addendum No. | Frequency Bands  | ACP No.  |
| Addendum 13 to Document [24](https://www.itu.int/md/R16-WRC19-C-0024/en) | A1 | 24.25-27.5 GHz | A13-A1/1 to 6 |
| A2 | 31.8-33.4 GHz | A13-A2/1 |
| A3 | 37-40.5, 40.5-42.5 and 42.5-43.5 GHz | A13-A3/1 to 5 |
| A4 | 45.5-47 GHz | A13-A4/1 |
| A5 | 47-47.2 GHz | A13-A5/1 |
| A6 | 66-71 GHz | A13-A6/1 |
| A7 | TRP treatment | A13-A7/1 |

1. Topics proposed by other regional Groups or ITU Members which are not included in no. 2 above
* See the relevant input documents to WRC-19.
1. Progress of discussion during WRC-19 on the Agenda Item

|  |  |
| --- | --- |
| Frequency Bands  | Status  |
| 24.25-27.5 GHz | Under discussion in DG 4A1a |
| 31.8-33.4 GHz | NOC (approved by Plenary, [150](https://www.itu.int/md/R16-WRC19-C-0150/en)) |
| 37-40.5, 40.5-42.5 and 42.5-43.5 GHz | Under discussion in DG 4A1b |
| 45.5-47 GHz | Under discussion in SWG 4A1 |
| 47-47.2 GHz | NOC (approved by Plenary, [150](https://www.itu.int/md/R16-WRC19-C-0150/en)) |
| 47.2-50.2 GHz | Under discussion in SWG 4A1 |
| 50.4-52.6 GHz | To be discussed in SWG 4A1 |
| 66-71 GHz | Under discussion in DG 4A1c |
| 71-76 GHz | NOC (submitted to COM4, [193](https://www.itu.int/md/R16-WRC19-C-0193/en))\* |
| 81-86 GHz | NOC (submitted to COM4, [193](https://www.itu.int/md/R16-WRC19-C-0193/en))\* |

\* There is another companion document [186](https://www.itu.int/md/R16-WRC19-C-0186/en) submitted to COM4, which draw the attention of COM6 to the proposal in Document [28](https://www.itu.int/md/R16-WRC19-C-0028/en)(Add.13) for consideration during the work on agenda item 10, as appropriate.

1. Issues which require discussion at APT Coordination Meetings and seek guidance thereafter
* The 3rd APT coordination meeting on 1.13 was held in this morning. The issue on EESS (passive) protection in the 24 GHz band was extensively discussed. However, there was no so much progress.
* DG 4A1a (26 GHz) asked whether APT could slightly change an element in the proposed WRC Resolution of ACP to facilitate the discussion. This element is related to the Condition A2b “Protection measures for the EESS (passive) in the 50.2-50.4 GHz and 52.6-54.25 GHz frequency bands”. APT Members are invited to consider this change at the APT Coordination Meeting on 5 November 2019.

|  |  |
| --- | --- |
| **ACP** |  *considering**h)* that spurious emission limits of Recommendation ITU‑R SM.329 Category B (−60 dB(W/MHz)) are sufficient to protect the EESS (passive ) within the bands 50.2-50.4 GHz and 52.6-54.25 GHz from the second harmonic of IMT base station emissions in the 24.25-27.5 GHz band, |
| **Proposed change** |  *recognizing**h)* that spurious emission limits of Recommendation ITU‑R SM.329 Category B (−60 dB(W/MHz)) are sufficient to protect the EESS (passive ) within the bands 50.2-50.4 GHz and 52.6-54.25 GHz from the second harmonic of IMT base station emissions in the 24.25-27.5 GHz band, |

* DG 4A1b (40 GHz bands) asked whether APT could slightly change an element in the proposed WRC Resolution of ACP to facilitate the discussion. APT Members are invited to consider this proposal at the APT Coordination Meeting on 5 November 2019.

|  |  |
| --- | --- |
| **ACP** |  *invites ITU‑R*1 to develop harmonized frequency arrangements to facilitate IMT deployment in the frequency band 37-43.5 GHz, or portions thereof, taking into account the results of sharing and compatibility studies; |
| **Proposed change** |  *invites ITU‑R*1 to develop harmonized frequency arrangements to facilitate IMT deployment in the frequency band 37-43.5 GHz, taking into account the results of sharing and compatibility studies; |

*Note: Coordinators are encouraged to conduct informal consultation with interested APT Members on the issues/topics under no. 3 and inform the outcomes of consultation to the Coordination Meeting*. *Coordinators can also organize coordination meetings on the respective agenda items whenever necessary.*

Annex

|  |  |  |
| --- | --- | --- |
| Frequency Bands  | ACP No.  | Inputs documents by individual APT members |
| 24.25-27.5 GHz | A13-A1/1 to 6 | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN), [45](https://www.itu.int/md/R16-WRC19-C-0045/en) (Add.13) (NZL), [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS), [49](https://www.itu.int/md/R16-WRC19-C-0049/en) (Add.13-Add.2) (VTN), [73](https://www.itu.int/md/R16-WRC19-C-0073/en) (BRU, CBG, KOR, LAO, SNG, VTN), [74](https://www.itu.int/md/R16-WRC19-C-0074/en) (BRU, CBG, KOR, LAO, SNG), [75](https://www.itu.int/md/R16-WRC19-C-0075/en) (Add.13) (SMO), [80](https://www.itu.int/md/R16-WRC19-C-0080/en) (Add.13-Add.1) (J), [92](https://www.itu.int/md/R16-WRC19-C-0092/en) (Add.13) (IND) |
| 31.8-33.4 GHz | A13-A2/1 | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN), [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS) |
| 37-40.5, 40.5-42.5 and 42.5-43.5 GHz | A13-A3/1 to 5 | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN), [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS), [73](https://www.itu.int/md/R16-WRC19-C-0073/en) (BRU, CBG, KOR, LAO, SNG, VTN), [75](https://www.itu.int/md/R16-WRC19-C-0075/en) (Add.13) (SMO), [80](https://www.itu.int/md/R16-WRC19-C-0080/en) (Add.13-Add.2) (J), [92](https://www.itu.int/md/R16-WRC19-C-0092/en) (Add.13) (IND) |
| 45.5-47 GHz | A13-A4/1 | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN), [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS) |
| 47-47.2 GHz | A13-A5/1 | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN), [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS) |
| 47.2-50.2 GHz | – | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN), [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS), [75](https://www.itu.int/md/R16-WRC19-C-0075/en) (Add.13) (SMO) |
| 50.4-52.6 GHz | – | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN), [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS), [75](https://www.itu.int/md/R16-WRC19-C-0075/en) (Add.13) (SMO), [92](https://www.itu.int/md/R16-WRC19-C-0092/en) (Add.13) (IND) |
| 66-71 GHz | A13-A6/1 | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN) , [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS), [75](https://www.itu.int/md/R16-WRC19-C-0075/en) (Add.13) (SMO), [80](https://www.itu.int/md/R16-WRC19-C-0080/en) (Add.13-Add.3) (J), [92](https://www.itu.int/md/R16-WRC19-C-0092/en) (Add.13) (IND) |
| 71-76 GHz | – | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN) , [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS), [75](https://www.itu.int/md/R16-WRC19-C-0075/en) (Add.13) (SMO), [80](https://www.itu.int/md/R16-WRC19-C-0080/en) (Add.13-Add.4) (J), [92](https://www.itu.int/md/R16-WRC19-C-0092/en) (Add.13) (IND) |
| 81-86 GHz | – | [28](https://www.itu.int/md/R16-WRC19-C-0028/en) (Add.13) (CHN) , [47](https://www.itu.int/md/R16-WRC19-C-0047/en) (Add.13) (AUS), [75](https://www.itu.int/md/R16-WRC19-C-0075/en) (Add.13) (SMO), [80](https://www.itu.int/md/R16-WRC19-C-0080/en) (Add.13-Add.5) (J), [92](https://www.itu.int/md/R16-WRC19-C-0092/en) (Add.13) (IND) |