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|  | **Radiocommunication Study Groups** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
|  |  |
| Attachment 4.20 to Document 5D/234(Source: Document 5D/TEMP/112(Rev.1)) |  |
| **22 June 2016** |
| **English only** |
| Working Party 5D |
| Liaison statement to external organizations[[1]](#footnote-1) |
| Updated characteristics of terrestrial IMT systems for frequency sharing / interference analysis in the frequency range between 24.25 GHz and 86 GHz |

In a previous liaison statement agreed at its 23rd meeting (Doc. [5D/82](http://www.itu.int/md/R15-WP5D-C-0082/en), Att 4.25), WP 5D provided an initial list of such technology-related parameters to External Organizations (EOs) and requested their support and feedback on the proposed parameters and appropriate values. WP 5D encourages input from the EOs. WP 5D would like to thank 3GPP for the response received as Document [5D/155](http://www.itu.int/md/R15-WP5D-C-0155/en) and welcomes further input on the parameters, based on the time plan described in their response.

During its 24th meeting (14-22nd June 2016), WP 5D further reviewed the list of technology-related parameters and would like to inform the EOs about these updates.

Summary of updates from the previous version

Compared to the parameters sent to EOs in the previous liaison statement, WP 5D implemented the following updates:

1. Three parameters (access technique, modulation parameters and channel spacing) were removed.

2. Two new parameters (Duplex Method and SINR operating range) were added. However, the relevance of Duplex Method parameter for sharing studies is still being considered.

Support from External Organizations

As in the previous liaison statement, WP 5D is seeking technical support and information relevant to the frequency range (24.25‑86 GHz) being studied under AI 1.13. WP 5D provides a new, slightly updated, Table on technology-related parameters in the Annex. EOs are kindly requested to consider this updated Table (instead of the previous one they received) for their response.

The following guidance is offered to assist the EOs in developing their responses:

i) Utilizing the attached Table, please provide WP 5D with information on IMT-2020 technology-related parameters between 24.25 GHz and 86 GHz to be used in sharing and compatibility studies.

ii) WP 5D kindly asks for information as follows in order to meet the ITU-R WP 5D deadline:

- Initial system characteristics and any views on the items included in the attached Table by the October 2016 meeting of WP 5D

- Final system characteristics and final values to be included in the attached Table by the February 2017 meeting of WP 5D

Deadlines for contributions to the relevant WP 5D meetings are specified below.

Administrative information

The planned dates of the relevant WP 5D meetings to finalize the work on sharing parameters are:

| ITU-RGroup | MeetingNo. | Start(planned) | Stop(planned) |  | Deadline for Inputs | Requested fromExternal Organizations |
| --- | --- | --- | --- | --- | --- | --- |
| WP 5D | 25 | 5 Oct 16 | 13 Oct 16 |  | 28 Sep 2016 | **Initial deliverable**  |
| WP 5D | 26 | 14 Feb 17 | 22 Feb 17 |  | 7 Feb 2017 | **Final deliverable**  |

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| **Contact:** Sergio Buonomo  Counselor ITU-R SG 5 | **E-mail:** sergio.buonomo@itu.int |

ANNEX

IMT-2020 technology-related parameters in the frequency range 24.25-86 GHz

|  |  | IMT-2020  |
| --- | --- | --- |
| No. | Parameter | Base station | Mobile station |
| 1 | Duplex Method |  |  |
| **2** | **Channel bandwidth (MHz)** |  |  |
| **3** | **Signal bandwidth (MHz)** |  |  |
| **4** | **Transmitter characteristics** |  |  |
| 4.1 | Power dynamic range (dB) |  |  |
| 4.2 | Spectral mask |  |  |
| 4.3 | ACLR |  |  |
| 4.4 | Spurious emissions |  |  |
| **5** | **Receiver characteristics** |  |  |
| 5.1 | Noise figure |  |  |
| 5.2 | Sensitivity |  |  |
| 5.3 | Blocking response |  |  |
| 5.4 | ACS  |  |  |
| 5.5 | SINR operating range |  |  |

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1. 3GPP, 3GPP2, ARIB, ATIS, CCSA, ETSI, IEEE, ITRI, TIA, TSDSI, TTA, TTC and WiMAX Forum [↑](#footnote-ref-1)