

## Radiocommunication Study Groups



### **23rd Meeting of Working Party 5D Beijing, China, 23 Feb. - 2 Mar. 2016**

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Attachment to Document 5D/82 (not yet available)  
(Source: Document 5D/TEMP/39(Rev.2))

**1 March 2016**

**English only**

### **Working Party 5D**

#### LIAISON STATEMENT TO EXTERNAL ORGANIZATIONS

#### **Characteristics of terrestrial IMT systems for frequency sharing/interference analysis in the frequency range between 24.25 GHz and 86 GHz**

The ITU World Radiocommunication Conference 2015 (WRC-15), which met in November 2015, agreed on agenda item 1.13 regarding additional allocations to the mobile services and identification of additional frequency bands for IMT for consideration at WRC-19.

Working Party 5D (WP 5D) as the lead group for IMT in ITU-R has been requested to provide parameters for use in sharing studies for this new agenda item. WP 5D will need to complete its work on the parameters at its Feb 2017 meeting.

ITU-R WP 5D has previously developed sharing parameters for IMT-2000 and IMT-Advanced technologies, which are contained in ITU-R Reports [M.2039-2](#) and [M.2292](#) respectively. These documents do not contain information for the frequency ranges relevant for AI 1.13. In its recent meeting (Feb 2016), WP 5D thus started the task of determining such parameters for IMT-2020 systems in the frequency range between 24.25 GHz and 86 GHz and wish to engage support of EOs in this work.

#### **Support from External Organizations**

WP 5D is seeking the technical support and information relevant to the frequency range (24.2586 GHz) being considered under AI 1.13:

- i) Utilizing the enclosed template in the Attachment, please provide to Working Party 5D the information on IMT-2020 system characteristics 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 deadline:
- Initial system characteristics by October 2016 meeting of WP 5D, additionally any views on the items included in Table 1 below
  - Final system characteristics by February 2017 meeting of WP 5D, specifically the final values to be included in Table 1.

Deadlines for the relevant WP 5D meetings are specified in the table below.

### Administrative information

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

ITU-R Group	Meeting No.	Start (planned)	Stop (planned)	Deadline for Inputs	Requested from External Organizations
WP 5D	24	14 June 16	22 June 16	To be added	
WP 5D	25	4 Oct. 16	12 Oct. 16	To be added	Initial deliverable
WP 5D	26	xx Feb 17	xx Feb 17	To be added	Final deliverable

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## Attachment

TABLE 1  
IMT-2020 technology related parameters in the frequency range 24.25-86 GHz

No.	Parameter	IMT-2020	
		Base station	Mobile station
1	Access technique		
2	Modulation parameters		
3	Channel spacing		
4	Channel bandwidth (MHz)		
5	Signal bandwidth (MHz)		
6	Transmitter characteristics		
6.1	Power dynamic range (dB)		
6.2	Spectral mask		
6.3	ACLR		
6.4	Spurious emissions		

TABLE 1 (END)

No.	Parameter	IMT-2020	
		Base station	Mobile station
7	Receiver characteristics		
7.1	Noise figure		
7.2	Sensitivity		
7.3	Blocking response		
7.4	ACS		

