

Description of EPFD validation and results of examination

Downlink examination of frequency ranges 17.8 – 18.6 GHz and 19.7 – 20.2 GHz.

Inter-satellite examination of frequency ranges 17.8 – 18.4 GHz.

Uplink examination of frequency ranges 27.5 – 28.6 GHz and 29.5 – 30 GHz

Scenario 'Service Feeder-links' in 17.8-19.3 GHz and 27.5-30 GHz

<i>B1A</i> <i>Beam designation</i>	<i>B2</i> <i>Emi-Rcp</i>	<i>BR7a</i> <i>Group id./ Target Group id.</i>	<i>GHz</i>	<i>Orbital planes id. no.</i>	<i>Mask ID</i>	<i>Article 22 Limit</i>	<i>Result</i>	<i>Article 22 Examination</i>
GRA	R	317816920 / 114760159 317816921 / 114760164 317816922 / 114760165 317816923 / 114760166	28	1 - 18	2	TABLE 22-2	Pass	Favorable
GRB	R	317816932 / 114760167 317816933 / 114760168 317816934 / 114760169 317816935 / 114760170	28	1 - 18	2	TABLE 22-2	Pass	Favorable
GRC	R	317816944 / 114760171 317816945 / 114760172 317816946 / 114760173 317816947 / 114760174	28	1 - 18	2	TABLE 22-2	Pass	Favorable
GRD	R	317816956 / 114760175 317816957 / 114760176 317816958 / 114760177 317816959 / 114760178	28	1 - 18	2	TABLE 22-2	Pass	Favorable
GTA	E	317816887 / 114760160 317816888 / 114760161 317816889 / 114760162	19	1 - 18	1, 3	TABLE 22-3 TABLE 22-1B TABLE 22-1C	Pass Pass N/A	Favorable
GTA	E	317816890 / 114760163	18	1 - 18	1, 3	TABLE 22-3 TABLE 22-1B	Pass Pass	Favorable
GTA	E	317816895 / 114760607	19	1 - 18		TABLE 22-1C	N/A	N/A
GTB	E	317816896 / 114760179 317816897 / 114760180 317816898 / 114760181 317816899 / 114760182	19	1 - 18	1, 3	TABLE 22-3 TABLE 22-1B TABLE 22-1C	Pass Pass N/A	Favorable
GTC	E	317816904 / 114760183 317816905 / 114760184 317816906 / 114760185 317816907 / 114760186	19	1 - 18	1, 3	TABLE 22-3 TABLE 22-1B TABLE 22-1C	Pass Pass N/A	Favorable
GTD	E	317816912 / 114760187 317816913 / 114760188 317816915 / 114760190	19	1 - 18	1, 3	TABLE 22-3 TABLE 22-1B TABLE 22-1C	Pass Pass N/A	Favorable

GTD	E	317816914 / 114760189	19	1 - 18	1, 3	TABLE 22-1C TABLE 22-3 TABLE 22-1B	N/A Pass Pass	Favorable
-----	---	-----------------------	----	--------	------	--	---------------------	-----------

Scenario 'TT&C' in 19.7-20.2 GHz and 27.5-30 GHz

<i>B1A</i> <i>Beam designation</i>	<i>B2</i> <i>Emi-Rcp</i>	<i>BR7a</i> <i>Group id./ Target Group id.</i>	<i>GHz</i>	<i>Orbital planes id. no.</i>	<i>Mask ID</i>	<i>Article 22 Limit</i>	<i>Result</i>	<i>Article 22 Examination</i>
GRA	R	317816920 / 114760159 317816921 / 114760164 317816922 / 114760165 317816923 / 114760166	28	1 - 18	2	TABLE 22-2	Pass	Favorable
GRB	R	317816932 / 114760167 317816933 / 114760168 317816934 / 114760169 317816935 / 114760170	28	1 - 18	2	TABLE 22-2	Pass	Favorable
GRC	R	317816944 / 114760171 317816945 / 114760172 317816946 / 114760173 317816947 / 114760174	28	1 - 18	2	TABLE 22-2	Pass	Favorable
GRD	R	317816956 / 114760175 317816957 / 114760176 317816958 / 114760177 317816959 / 114760178	28	1 - 18	2	TABLE 22-2	Pass	Favorable
GTA	E	317816887 / 114760160 317816888 / 114760161 317816889 / 114760162	19	1 - 18	3, 11	TABLE 22-3 TABLE 22-1B TABLE 22-1C	N/A N/A Pass	Favorable
GTA	E	317816890 / 114760163	18	1 - 18		TABLE 22-3 TABLE 22-1B	N/A N/A	N/A
GTA	E	317816895 / 114760607	19	1 - 18	3, 11	TABLE 22-1C	Pass	Favorable
GTB	E	317816896 / 114760179 317816897 / 114760180 317816898 / 114760181 317816899 / 114760182	19	1 - 18	3, 11	TABLE 22-3 TABLE 22-1B TABLE 22-1C	N/A N/A Pass	Favorable
GTC	E	317816904 / 114760183 317816905 / 114760184 317816906 / 114760185 317816907 / 114760186	19	1 - 18	3, 11	TABLE 22-3 TABLE 22-1B TABLE 22-1C	N/A N/A Pass	Favorable
GTD	E	317816912 / 114760187 317816913 / 114760188 317816915 / 114760190	19	1 - 18	3, 11	TABLE 22-3 TABLE 22-1B TABLE 22-1C	N/A N/A Pass	Favorable
GTD	E	317816914 / 114760189	19	1 - 18	3, 11	TABLE 22-1C TABLE 22-3 TABLE 22-1B	Pass N/A N/A	Favorable

Notes:

1. Findings are promulgated as favorable when all applicable limits in Article 22 are met for given group of frequency assignments in all applicable scenarios.
2. The Result column can be either Pass or Fail (see Rec. ITU-R S.1503-2). N/A (Non Applicable) refers to the case when an applicable Article 22 limit is not examined in the current scenario.