

Description of EPFD validation and results of examination

Input parameters

Mask link data

Mask Id.	Direction	Minimum frequency, MHz	Maximum frequency, MHz	Linked orbit IDs / Satellite IDs
1	↓	17800	18600	129 - 134 (sat IDs: All)
2	↓	17800	18600	135 - 154 (sat IDs: All)
3	↓	19700	20200	129 - 134 (sat IDs: All)
4	↓	19700	20200	135 - 154 (sat IDs: All)
5	↔	17800	18600	129 - 134 (sat IDs: All)
6	↔	17800	18600	135 - 154 (sat IDs: All)
7	↑	27500	30000	All

Common SNS Data

Common

A.4.b.7.d.1 Exclusion zone type	A.4.b.7.d.1 Exclusion zone size, degrees
Y - topocentric angle (earth based)	4.5

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1015/1015/98.98 1325/1325/50.88	No keeping	Default

Uplink

A.4.b.7.b Earth station density (1/km ²)	A.4.b.7.c Average distance (km)	A.4.b.7.a number of satellites receiving simultaneously
1E-06	560	1

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	12

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
LGCTR2, LMCTR2, LPCTR2	R	29500	30000	10
LGCTR1, LMCTR1, LPCTR1	R	27500	29100	10
GCTE2 2, MCTE2 2, PCTE2 2	E	19700	20200	10
GCTE2 13, MCTE2 13, PCTE2 13	E	18100	18600	10
GCTE1 3, MCTE1 3, PCTE1 3	E	17800	18100	10

Results

<i>B1A</i> <i>Beam designation</i>	<i>B2</i> <i>Emi-Rcp</i>	<i>BR7a</i> <i>Group id./</i> <i>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>
LGCTR1	R	320732070 320732071 320732072 320732073 320732074 320732075	27.5-29.1	129 - 154	7	TABLE 22-2	Pass	Favorable
LGCTR2	R	320732088 320732089 320732090 320732091 320732092 320732093	29.5-30	129 - 154	7	TABLE 22-2	Pass	Favorable
LMCTR1	R	320732076 320732077 320732078 320732079 320732080 320732081	27.5-29.1	129 - 154	7	TABLE 22-2	Pass	Favorable
LMCTR2	R	320732094 320732095 320732096 320732097 320732098 320732099	29.5-30	129 - 154	7	TABLE 22-2	Pass	Favorable
LPCTR1	R	320732082 320732083 320732084 320732085 320732086 320732087	27.5-29.1	129 - 154	7	TABLE 22-2	Pass	Favorable
LPCTR2	R	320732100 320732101 320732102 320732103 320732104 320732105	29.5-30	129 - 154	7	TABLE 22-2	Pass	Favorable
GCTE1 3	E	320732160 320732161 320732162 320732163 320732164 320732165	17.8-18.1	129 - 154	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
GCTE2 13	E	320732166 320732167 320732168 320732169 320732170 320732171	18.1-18.6	129 - 154	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
GCTE2 2	E	320732142 320732143 320732144 320732145 320732146 320732147	19.7-20.2	129 - 154	3, 4	TABLE 22-1C	Pass	Favorable
MCTE1 3	E	320732178 320732179 320732180 320732181 320732182 320732183	17.8-18.1	129 - 154	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
MCTE2 13	E	320732184 320732185 320732186 320732187 320732188 320732189	18.1-18.6	129 - 154	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
MCTE2 2	E	320732148 320732149 320732150	19.7-20.2	129 - 154	3, 4	TABLE 22-1C	Pass	Favorable

		320732151 320732152 320732153						
PCTE1 3	E	320732196 320732197 320732198 320732199 320732200 320732201	17.8-18.1	129 - 154	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
PCTE2 13	E	320732202 320732203 320732204 320732205 320732206 320732207	18.1-18.6	129 - 154	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
PCTE2 2	E	320732154 320732155 320732156 320732157 320732158 320732159	19.7-20.2	129 - 154	3, 4	TABLE 22-1C	Pass	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.
3. Qualified Favorable is established due to continuous application of Resolution 85 (WRC-03) on request by the notifying administration.