

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	All
3	↓	19700	20200	All
5	↔	17800	20200	All
7	↑	27600	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)	3

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
525/525/45 535/535/57	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	999	10

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	1

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
TAR	R	27500	27600	empty
ARL, ARS	R	29500	30000	empty
ATL, ATS	E	17800	20200	empty

Results

Configuration 1

B1A Beam designation	B2 Emi-Rcp	BR7a Group id./ Target Group id.	GHz	Orbital planes id. no.	Mask ID	Article 22 Limit	Result	Article 22 Examination
ARL	R	318751080 / 118634189 318751081 / 118634190 318751082 / 118634191	29.5-30	1 - 31	7	TABLE 22-2	Pass	Favorable
ARS	R	318751083 / 118634186 318751084 / 118634187 318751085 / 118634188	29.5-30	1 - 31	7	TABLE 22-2	Pass	Favorable
TAR	R	318751086 / 118634195 318751087 / 118634196 318751088 / 118634197	27.5-27.6	1 - 31	7	TABLE 22-2	Pass	Favorable
ATL	E	318751056 / 118634147 318751057 / 118634148 318751058 / 118634149	17.8-18.1	1 - 31	1, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
ATL	E	318751059 / 118634153 318751060 / 118634154 318751061 / 118634155	18.1-18.4	1 - 31	1, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

ATL	E	318751062 / 118634159 318751063 / 118634160 318751064 / 118634161	18.4-18.6	1 - 31	1	TABLE 22-1B	Pass Pass	Favorable
ATL	E	318751065 / 118634177 318751066 / 118634178 318751067 / 118634179	19.7-20.2	1 - 31	3	TABLE 22-1C	Pass Pass	Favorable
ATS	E	318751068 / 118634144 318751069 / 118634145 318751070 / 118634146	17.8-18.1	1 - 31	1, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
ATS	E	318751071 / 118634150 318751072 / 118634151 318751073 / 118634152	18.1-18.4	1 - 31	1, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
ATS	E	318751074 / 118634156 318751075 / 118634157 318751076 / 118634158	18.4-18.6	1 - 31	1	TABLE 22-1B	Pass	Favorable
ATS	E	318751077 / 118634174 318751078 / 118634175 318751079 / 118634176	19.7-20.2	1 - 31	3	TABLE 22-1C	Pass	Favorable

Configuration 2

<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>
ARL	R	318751080 / 118634189 318751081 / 118634190 318751082 / 118634191	29.5-30	32 - 69	7	TABLE 22-2	Pass	Favorable
ARS	R	318751083 / 118634186 318751084 / 118634187 318751085 / 118634188	29.5-30	32 - 69	7	TABLE 22-2	Pass	Favorable
TAR	R	318751086 / 118634195 318751087 / 118634196 318751088 / 118634197	27.5-27.6	32 - 69	7	TABLE 22-2	Pass	Favorable
ATL	E	318751056 / 118634147 318751057 / 118634148 318751058 / 118634149	17.8-18.1	32 - 69	1, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
ATL	E	318751059 / 118634153 318751060 / 118634154 318751061 / 118634155	18.1-18.4	32 - 69	1, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
ATL	E	318751062 / 118634159 318751063 / 118634160 318751064 / 118634161	18.4-18.6	32 - 69	1	TABLE 22-1B	Pass Pass	Favorable
ATL	E	318751065 / 118634177 318751066 / 118634178 318751067 / 118634179	19.7-20.2	32 - 69	23	TABLE 22-1C	Pass Pass	Favorable
ATS	E	318751068 / 118634144 318751069 / 118634145 318751070 / 118634146	17.8-18.1	32 - 69	1, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
ATS	E	318751071 / 118634150 318751072 / 118634151 318751073 / 118634152	18.1-18.4	32 - 69	1, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
ATS	E	318751074 / 118634156 318751075 / 118634157 318751076 / 118634158	18.4-18.6	32 - 69	1	TABLE 22-1B	Pass	Favorable
ATS	E	318751077 / 118634174 318751078 / 118634175 318751079 / 118634176	19.7-20.2	32 - 69	23	TABLE 22-1C	Pass	Favorable

Notes:

- Findings are promulgated as favorable when all applicable limits in Article 22 are met for given group of frequency assignments in all applicable scenarios.
- 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.