

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	↓	10700	12750	1 - 16 (sat IDs: All)
2	↓	10700	12750	17 - 56 (sat IDs: All)
3	↓	10700	12750	57 - 116 (sat IDs: All)
4	↓	19700	20200	1 - 16 (sat IDs: All)
5	↓	19700	20200	17 - 56 (sat IDs: All)
6	↓	19700	20200	57 - 116 (sat IDs: All)
11	↔	10700	12750	1 - 16 (sat IDs: All)
12	↔	10700	12750	17 - 56 (sat IDs: All)
13	↔	10700	12750	57 - 116 (sat IDs: All)
7	↑	6700	6725	All
8	↑	12750	14500	All
9	↑	27500	28600	All
10	↑	29500	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
N - satellite based angle	25

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
590/590/85 600/600/50 508/508/55	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
5E-06	500	Not defined

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
KUD2	E	11200	12750	34
KUD1	E	10700	12200	34
KUU3	R	13750	14000	34
KUU1	R	12750	14500	34
KAU2	R	28500	29100	34
KAU1	R	27500	28500	34
CU1	R	6700	6725	34

Results

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
KUD1	E	320763748 / 120740423	10.7-11.2	1 - 116	1 - 3, 11 - 13	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD1	E	320763762 / 120740437	11.7-12.2	1 - 116	1 - 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	N/A Pass N/A Pass	Favorable
KUD2	E	320763810 / 120740478	12.2-12.75	1 - 116	1 - 3, 11 - 13	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass N/A Pass N/A N/A	Favorable
KUD2	E	320763817 / 120740656	11.2-11.7	1 - 116	1 - 3, 11 - 13	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
CU1	R	320763818 / 120740545	6.7-6.725	1 - 116	7	TABLE 22-2	Pass	Favorable
KAU1	R	320763840 / 120740355	27.5-28.5	1 - 116	9	TABLE 22-2	Pass	Favorable
KAU2	R	320763857 / 120740618	28.5-29.1	1 - 116	9	TABLE 22-2	Pass	Favorable
KUU1	R	320763870 / 120740479	12.75- 13.25	1 - 116	8	TABLE 22-2	Pass	Favorable
KUU1	R	320763877 / 120740657	14-14.5	1 - 116	8	TABLE 22-2	Pass	Favorable
KUU3	R	320763901 / 120740533	13.75-14	1 - 116	8	TABLE 22-2	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.
- Qualified Favorable is established due to continuous application of Resolution 85 (WRC-03) on request by the notifying administration.