

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
2	↓	19700	20200	All
3	↔	17800	18400	All
4	↓	10700	12700	All
5	↔	10700	12700	All
6	↑	27500	28600	All
10	↑	29500	30000	All
14	↑	14000	14500	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)	5

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1150/1150/55	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
4.223708E-06	486.5	1

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
KARX1, KARX2, TC	R	27500	28600	25
KURX1	R	14000	14500	25
KARX3	R	29500	30000	25
TXKU4	E	12200	12700	25
TXKU3	E	11700	12200	25
TXKU2	E	11200	11700	25
TXKU1	E	10700	11200	25
TM, TXKA3	E	19700	20200	25
TXKA1	E	17800	18600	25

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
KARX1	R	320762582 / 120658893 320762583 / 120658894 320762584 / 120658895 320762585 / 120658896 320762586 / 120658909	27.5-28.6	1 - 36	6	TABLE 22-2	Pass	Favorable
KARX2	R	320762587 / 120658905 320762588 / 120658906 320762589 / 120658907 320762590 / 120658908	27.5-28.6	1 - 36	6	TABLE 22-2	Pass	Favorable
KARX3	R	320762591 / 120658897	29.5-30	1 - 36	10	TABLE 22-2	Pass	Favorable

		320762592 / 120658898 320762593 / 120658899 320762594 / 120658900						
KURX1	R	320762595 / 120658901 320762596 / 120658902 320762597 / 120658903 320762598 / 120658904	14-14.5	1 - 36	14	TABLE 22-2	Pass	Favorable
TC	R	320762599 / 120658918 320762600 / 120658919	27.5-28.6	1 - 36	6	TABLE 22-2	Pass	Favorable
TM	E	320762574 / 120658920	19.7-20.2	1 - 36	2	TABLE 22-1C	Pass	Favorable
TXKA1	E	320762575 / 120658887	17.8-18.6	1 - 36	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
TXKA3	E	320762576 / 120658888 320762577 / 120658911	19.7-20.2	1 - 36	2	TABLE 22-1C	Pass	Favorable
TXKU1	E	320762578 / 120690015	10.7-11.2	1 - 36	4, 5	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
TXKU2	E	320762579 / 120690016	11.2-11.7	1 - 36	4, 5	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
TXKU3	E	320762580 / 120690017	11.7-12.2	1 - 36	4	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
TXKU4	E	320762581 / 120690018	12.2-12.7	1 - 36	4, 5	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass 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.