

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	↓	17800	18600	All
3	↓	19700	20200	All
4	↓	19700	20200	All
5	↔	17800	18600	All
6	↑	27500	28500	All
7	↑	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	10

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1175/1175/86.5	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
2E-09	5000	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
KAU3, KAU4	R	29500	30000	10
KAU1, KAU2	R	27500	29100	10
KAD3, KAD4	E	19700	20200	10
KAD1, KAD2	E	17700	18600	10

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
KAU1	R	320765150 / 120708946 320765151 / 120708965 320765152 / 120708966	27.5-28.5	1	6	TABLE 22-2	Pass	Favorable
KAU1	R	320765153 / 120708967 320765154 / 120708968 320765155 / 120708969	28.1-29.1	1	6	TABLE 22-2	Pass	Favorable
KAU2	R	320765156 / 120708970 320765157 / 120708971 320765158 / 120708972	27.5-28.5	1	6	TABLE 22-2	Pass	Favorable
KAU2	R	320765159 / 120708973 320765160 / 120708974 320765161 / 120708975	28.1-29.1	1	6	TABLE 22-2	Pass	Favorable
KAU3	R	320765162 / 120708947 320765163 / 120708948 320765164 / 120708949	29.5-30	1	7	TABLE 22-2	Pass	Favorable

KAU4	R	320765165 / 120708950 320765166 / 120708951 320765167 / 120708952	29.5-30	1	7	TABLE 22-2	Pass	Favorable
KAD1	E	320765138 / 120708933 320765139 / 120708934 320765140 / 120708935	17.7-18.6	1	1, 2, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	320765141 / 120708979 320765142 / 120708980 320765143 / 120708981	17.7-18.6	1	1, 2, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	320765144 / 120708936 320765145 / 120708937 320765146 / 120708938	19.7-20.2	1	3, 4	TABLE 22-1C	Pass	Favorable
KAD4	E	320765147 / 120708939 320765148 / 120708940 320765149 / 120708941	19.7-20.2	1	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.