

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	↑	27500	28600	All
2	↑	29500	30000	All
3	↓	17800	18600	All
4	↓	19700	20200	All
5	↔	17800	18400	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
6400/6400/45 6400/6400/50 6400/6400/52.5 11585/1215/63.4 9800/3000/63.4 9000/3800/63.4 11024/1776/63.4 11024/1776/64.4	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
4.49E-07	1492	1

Downlink

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

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
KAU	R	27500	30000	15
KAD	E	17700	20200	15

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
KAU	R	320760936 / 120635234 320760937 / 120635235 320760938 / 120635236 320760939 / 120635237 320760940 / 120635238 320760941 / 120635239 320760942 / 120635240 320760943 / 120635241	27.5-28.5	1 - 59	1	TABLE 22-2	Pass	Favorable
KAU	R	320760944 / 120635242 320760945 / 120635243 320760946 / 120635244 320760947 / 120635245 320760948 / 120635246 320760949 / 120635247	29.5-30	1 - 59	2	TABLE 22-2	Pass	Favorable

		320760950 / 120635248 320760951 / 120635249						
KAU	R	320760952 / 120635286 320760953 / 120635287 320760954 / 120635288 320760955 / 120635289 320760956 / 120635290 320760957 / 120635291 320760958 / 120635292 320760959 / 120635293	28.5-29.5	1 - 59	1	TABLE 22-2	Pass	Favorable
KAD	E	320760921 / 120635258 320760922 / 120635259 320760923 / 120635260 320760924 / 120635261 320760925 / 120635262 320760926 / 120635263 320760927 / 120635264	17.7-18.6	1 - 59	3, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD	E	320760928 / 120635274 320760929 / 120635275 320760930 / 120635276 320760931 / 120635277 320760932 / 120635278 320760933 / 120635279 320760934 / 120635280 320760935 / 120635281	19.7-20.2	1 - 59	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.