

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	17900	All
2	↔	17900	18400	All
3	↓	17800	18600	All
5	↓	18800	20200	All

Common SNS Data

Common 17.8-18.6 GHz

Frequency band, GHz	A.4.b.7.d.1 Exclusion zone type	A.4.b.7.d.1 Exclusion zone size, degrees
17.8 -18.6	Y - topocentric angle (earth based)	6.5
	Y - topocentric angle (earth based)	3.6

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
11086/11086/55	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
0	9999	2

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	2

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
KAD	E	17803	21200	0

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
KAD	E	321765986 / 121638003	17.803- 17.867	1, 2	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD	E	321765987 / 121638004	18-18.6	1, 2	2, 3	TABLE 22-1B TABLE 22-3	N/A N/A	N/A
KAD	E	321765988 / 121638005	18.8-21.2	1, 2	5	TABLE 22-1C	N/A	N/A

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.