

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	↑	27500	28600	All
5	↑	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
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
8200/8200/87	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
3.09696E-07	1797	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
RK3	R	29500	30000	empty
RK1	R	27500	28600	empty
TK3	E	19700	20200	empty
TK1	E	17800	18600	empty

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
RK1	R	318750546 / 118734890 318750547 / 118734898 318750548 / 118734902	27.5-28.6	1 - 4	4	TABLE 22-2	Pass	Favorable
RK3	R	318750549 / 118734892 318750550 / 118734900 318750551 / 118734904	29.5-30	1 - 4	5	TABLE 22-2	Pass	Favorable
TK1	E	318750544 / 118734893	17.8-18.6	1 - 4	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
TK3	E	318750545 / 118734895	19.7-20.2	1 - 4	2	TABLE 22-1C	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.

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.