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	↓	19700	20200	All
2	↓	17700	18600	All
3	↔	17700	18400	All
4	↑	17300	17800	All
5	↑	27500	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)	4

Orbits

Apogee/Perigee/Inclination	*A.4.b.6.d* *Uses station keeping*	*A.4.b.6.e* *Uses specific precession*
1050/1050/89	No keeping	Default

Uplink

A.4.b.7.b *Earth station density (1/km²)*	*A.4.b.7.c* *Average distance (km)*	*A.4.b.7.a* *number of satellites receiving simultaneously*
4E-06	500	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*
EPFDUP	R	17300	17800	28
EPFDUP	R	27500	30000	26
EPFDDOWN	E	17700	20200	28

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*
EPFDUP	R	5003	17.3-17.8	1 - 12	4	TABLE 22-2	Pass	Favorable
EPFDUP	R	5004	27.5-30	1 - 12	5	TABLE 22-2	Pass	Favorable
EPFDDOWN	E	5001	19.7-20.2	1 - 12	1	TABLE 22-1C	Pass	Favorable
EPFDDOWN	E	5002	17.7-18.6	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	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.