

## 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)	5

##### Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1300/1300/45	No keeping	Default

##### Uplink

A.4.b.7.b Earth station density (1/km <sup>2</sup> )	A.4.b.7.c Average distance (km)	A.4.b.7.a number of satellites receiving simultaneously
2.5E-05	200	8

##### Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	8

##### Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
R2H, R2L	R	29500	30000	25
R1H, R1L	R	27500	29100	25
T3H, T3L	E	19700	20200	25
T1H, T1L	E	17800	18600	25

### 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
R1H	R	320762617 / 120658792 320762618 / 120658793 320762619 / 120658794 320762620 / 120658795	27.5-29.1	1 - 8	4	TABLE 22-2	Pass	Favorable
R1L	R	320762621 / 120658796 320762622 / 120658797 320762623 / 120658798 320762624 / 120658799	27.5-29.1	1 - 8	4	TABLE 22-2	Pass	Favorable
R2H	R	320762625 / 120658800 320762626 / 120658801 320762627 / 120658802 320762628 / 120658803	29.5-30	1 - 8	5	TABLE 22-2	Pass	Favorable
R2L	R	320762629 / 120658804 320762630 / 120658805 320762631 / 120658806 320762632 / 120658807	29.5-30	1 - 8	5	TABLE 22-2	Pass	Favorable
T1H	E	320762601 / 120658824 320762602 / 120658825	17.8-18.6	1 - 8	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		320762603 / 120658826 320762604 / 120658827						
T1L	E	320762605 / 120658828 320762606 / 120658829 320762607 / 120658830 320762608 / 120658831	17.8-18.6	1 - 8	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
T3H	E	320762609 / 120658840 320762610 / 120658841 320762611 / 120658842 320762612 / 120658843	19.7-20.2	1 - 8	2	TABLE 22-1C	Pass	Favorable
T3L	E	320762613 / 120658844 320762614 / 120658845 320762615 / 120658846 320762616 / 120658847	19.7-20.2	1 - 8	2	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.