

## 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
8	↑	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
8000/8000/55	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
3.14656E-07	1782.7	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
RX1R, TC	R	27500	28600	25
RX3R	R	29500	30000	25
TM, TX3R	E	19700	20200	25
TX1R	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
RX1R	R	320762637 / 120658867 320762638 / 120658872 320762639 / 120658873 320762640 / 120658877	27.5-28.6	1 - 8	4	TABLE 22-2	Pass	Favorable
RX3R	R	320762641 / 120658869 320762642 / 120658870 320762643 / 120658871	29.5-30	1 - 8	8	TABLE 22-2	Pass	Favorable
TC	R	320762644 / 120658874	27.5-28.6	1 - 8	4	TABLE 22-2	Pass	Favorable
TM	E	320762633 / 120658878	19.7-20.2	1 - 8	2	TABLE 22-1C	Pass	Favorable
TX1R	E	320762634 / 120658864	17.8-18.6	1 - 8	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
TX3R	E	320762635 / 120658866 320762636 / 120658885	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.