

## 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	↑	29500	30000	All
2	↑	27500	28600	All
3	↑	17300	18100	All
4	↔	17800	18400	All
5	↓	17800	18600	All
6	↓	19700	20200	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)	10

##### Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
500/500/55 500/500/35 500/500/45 550/550/55 550/550/35 550/550/45 550/550/50 575/575/50 575/575/55 600/600/50	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
1	0	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
KALFR2	R	17800	18100	5
KALFR1R3	R	17300	18100	5
KAHFE	R	27500	30000	5
KALF	E	17700	18600	5
KAHFMSS	E	19700	20200	5

### 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
KAHFE	R	322774120 / 122672144	27.5-28.6	1 - 50	2	TABLE 22-2	Pass	Favorable
KAHFE	R	322774121 / 122672147	29.5-30	1 - 50	1	TABLE 22-2	Pass	Favorable
KALFR1R3	R	322774122 / 122672142	17.3-18.1	1 - 50	3	TABLE 22-2	Pass	Favorable
KALFR2	R	322774123 / 122672143	17.8-18.1	1 - 50	3	TABLE 22-2	Pass	Favorable
KAHFMSS	E	322774117 / 122672135	19.7-20.2	1 - 50	6	TABLE 22-1C	Pass	Favorable
KALF	E	322774118 / 122672136	17.7-18.6	1 - 50	4, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

KALF	E	322774119 / 122672156	17.8-18.6	1 - 50	4, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
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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.