

## Description of EPFD validation and results of examination

### Input parameters

#### Mask link data

Mask Id.	Direction	Minimum frequency, MHz	Maximum frequency, MHz	Linked orbits id
1	↓	19700	20200	All
2	↓	17800	18600	All
4	↑	27500	29100	All
5	↑	29500	30000	All
7	↔	17800	18600	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)	34.7

##### Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
48435/23137/90	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	2

### 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
KAU	R	318693079 / 117671281 318693080 / 117671282 318693081 / 117671283 318693082 / 117671284 318693083 / 117671285 318693089 / 117671330 318693090 / 117671331	27.5-28.6	1, 2	4	TABLE 22-2	Pass	Favorable
KAU	R	318693084 / 117671287 318693085 / 117671289 318693086 / 117671291 318693087 / 117671293 318693088 / 117671295 318693091 / 117671333 318693092 / 117671335	29.5-30	1, 2	5	TABLE 22-2	Pass	Favorable
KAD	E	318693058 / 117671249 318693059 / 117671250 318693060 / 117671251 318693061 / 117671252 318693062 / 117671253 318693073 / 117671324 318693074 / 117671325	17.8-18.1	1, 2	2, 7	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable
KAD	E	318693063 / 117671254 318693064 / 117671256 318693065 / 117671258 318693066 / 117671260 318693067 / 117671262	19.7-20.2	1, 2	1	TABLE 22-1C	Fail	Unfavorable

		318693075 / 117671326 318693076 / 117671328						
KAD	E	318693068 / 117671313 318693069 / 117671314 318693070 / 117671315 318693071 / 117671316 318693072 / 117671317 318693077 / 117671336 318693078 / 117671337	18.1-18.6	1, 2	2, 7	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable

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.