

## 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	↑	17700	31000	All
2	↔	17700	31000	All
3	↓	17000	31000	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
600/600/89	No keeping	Default
600/600/93		
600/600/97		
620/620/89		
620/620/93		
620/620/97		
640/640/89		
640/640/93		
640/640/97		
680/680/89		
680/680/93		
680/680/97		
700/700/89		
700/700/93		
700/700/97		
720/720/89		
720/720/93		
720/720/97		
550/550/98		

##### 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	-80	0
-80	80	1
80	90	0

### 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
UDEM	R	319836710 / 119836710 319836712 / 119836712 319836714 / 119836714	27.5-28.6	1 - 19	1	TABLE 22-2	Pass	Favorable
UDEM	R	319836711 / 119836711 319836713 / 119836713 319836715 / 119836715	29.5-30	1 - 19	1	TABLE 22-2	Pass	Favorable
DLDEM	E	319836704 / 119836704 319836708 / 119836708	17.7-17.94	1 - 19	2, 3	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable

DLDEM	E	319836705 / 119836705 319836709 / 119836709	19.7-20.2	1 - 19	3	TABLE 22-1C	Fail	Unfavorable
DLDEM	E	319836706 / 119836706	17.94- 18.18	1 - 19	2, 3	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable
DLDEM	E	319836707 / 119836707	18.12-18.6	1 - 19	2, 3	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.