

## 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	20100	1
2	↓	19700	20100	2 - 4
3	↓	20100	20200	2 - 4
4	↑	28500	28600	All
5	↑	29500	29900	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
1067/1067/99.8 1040/1040/80	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
0.0001	999.9	1

##### Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	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
FU1	R	317855408 / 117855408 317855409 / 117855409	28.5-29.5	1 - 4	4	TABLE 22-2	Pass	Favorable
FU2	R	317855410 / 117855410 317855411 / 117855411	28.5-29.5	1 - 4	4	TABLE 22-2	Pass	Favorable
FU3	R	317855412 / 117855412 317855413 / 117855413	28.5-29.5	1 - 4	4	TABLE 22-2	Pass	Favorable
FU4	R	317855414 / 117855414 317855415 / 117855415	28.5-29.5	1 - 4	4	TABLE 22-2	Pass	Favorable
UU1	R	317855416 / 117855416 317855417 / 117855417 317855418 / 117855418 317855419 / 117855419	29.5-29.9	1 - 4	5	TABLE 22-2	Fail	Unfavorable
UU2	R	317855420 / 117855420 317855421 / 117855421 317855422 / 117855422 317855423 / 117855423	29.5-29.9	1 - 4	5	TABLE 22-2	Fail	Unfavorable
UU3	R	317855424 / 117855424 317855425 / 117855425 317855426 / 117855426 317855427 / 117855427	29.5-29.9	1 - 4	5	TABLE 22-2	Fail	Unfavorable
UU4	R	317855428 / 117855428 317855429 / 117855429 317855430 / 117855430 317855431 / 117855431	29.5-29.9	1 - 4	5	TABLE 22-2	Fail	Unfavorable

FD5	E	317855384 / 117855384 317855385 / 117855385	20.1-20.2	1 - 4	1 - 3	TABLE 22-1C	Pass	Favorable
FD6	E	317855386 / 117855386 317855387 / 117855387	20.1-20.2	1 - 4	1 - 3	TABLE 22-1C	Pass	Favorable
FD7	E	317855388 / 117855388 317855389 / 117855389	20.1-20.2	1 - 4	1 - 3	TABLE 22-1C	Pass	Favorable
FD8	E	317855390 / 117855390 317855391 / 117855391	20.1-20.2	1 - 4	1 - 3	TABLE 22-1C	Pass	Favorable
UD1	E	317855392 / 117855392 317855393 / 117855393 317855394 / 117855394 317855395 / 117855395	19.7-20.1	1 - 4	1 - 3	TABLE 22-1C	Pass	Favorable
UD2	E	317855396 / 117855396 317855397 / 117855397 317855398 / 117855398 317855399 / 117855399	19.7-20.1	1 - 4	1 - 3	TABLE 22-1C	Pass	Favorable
UD3	E	317855400 / 117855400 317855401 / 117855401 317855402 / 117855402 317855403 / 117855403	19.7-20.1	1 - 4	1 - 3	TABLE 22-1C	Pass	Favorable
UD4	E	317855404 / 117855404 317855405 / 117855405 317855406 / 117855406 317855407 / 117855407	19.7-20.1	1 - 4	1 - 3	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.