

## 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	↓	11700	12750	All
2	↓	10700	11700	All
3	↔	10700	12750	All
4	↑	12750	14500	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)	25

##### Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
590/590/33 610/610/42 630/630/51.9 640/640/72 650/650/80	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	100	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
RUA1, RUA2	R	12750	14500	30
TUA1, TUA2	E	10700	12700	30

### 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
RUA1	R	322763485 / 122623463 322763486 / 122623464 322763487 / 122623465	12.75- 13.25	1 - 1075	4	TABLE 22-2	Pass	Favorable
RUA1	R	322763488 / 122623469 322763489 / 122623470 322763490 / 122623471	14-14.5	1 - 1075	4	TABLE 22-2	Pass	Favorable
RUA2	R	322763491 / 122623466 322763492 / 122623467 322763493 / 122623468	12.75- 13.25	1 - 1075	4	TABLE 22-2	Pass	Favorable
RUA2	R	322763494 / 122623472 322763495 / 122623473 322763496 / 122623474	14-14.5	1 - 1075	4	TABLE 22-2	Pass	Favorable
TUA1	E	322763461 / 122623439 322763462 / 122623440 322763463 / 122623441	10.7-11.2	1 - 1075	2, 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable

TUA1	E	322763464 / 122623445 322763465 / 122623446 322763466 / 122623447	11.2-11.7	1 - 1075	2, 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
TUA1	E	322763467 / 122623451 322763468 / 122623452 322763469 / 122623453	11.7-12.2	1 - 1075	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
TUA1	E	322763470 / 122623457 322763471 / 122623458 322763472 / 122623459	12.2-12.7	1 - 1075	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
TUA2	E	322763473 / 122623442 322763474 / 122623443 322763475 / 122623444	10.7-11.2	1 - 1075	2, 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
TUA2	E	322763476 / 122623448 322763477 / 122623449 322763478 / 122623450	11.2-11.7	1 - 1075	2, 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
TUA2	E	322763479 / 122623454 322763480 / 122623455 322763481 / 122623456	11.7-12.2	1 - 1075	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
TUA2	E	322763482 / 122623460 322763483 / 122623461 322763484 / 122623462	12.2-12.7	1 - 1075	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass 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.