

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	↑	12500	14500	All
2	↓	10700	12750	All
3	↔	10700	12750	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
7500/7500/89 7500/7500/62.9 7500/7500/47	No keeping	Default

Uplink

A.4.b.7.b Earth station density (1/km ²)	A.4.b.7.c Average distance (km)	A.4.b.7.a number of satellites receiving simultaneously
1E-06	1000	2

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	-40	3
-40	-30	3
-30	-20	3
-20	-10	3
-10	0	3
0	10	3
10	20	3
20	30	3
30	40	3
40	90	3

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
ES30, ES30N1, ES30N25	R	12500	13250	20
ES, ES N1, ES N25	R	14000	14500	20
SED, SED N1, SED N25	E	10700	12700	20

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
ES	R	321771438 / 121716651	14-14.5	1 - 18	1	TABLE 22-2	Pass	Favorable
ES N1	R	321771439 / 121716674	14-14.5	1 - 18	1	TABLE 22-2	Pass	Favorable
ES N25	R	321771440 / 121716675	14-14.5	1 - 18	1	TABLE 22-2	Pass	Favorable
ES30	R	321771441 / 121716656	12.5-12.75	1 - 18	1	TABLE 22-2	Pass	Favorable
ES30	R	321771442 / 121716657	12.7-12.75	1 - 18	1	TABLE 22-2	Pass	Favorable
ES30	R	321771443 / 121716658	12.75- 13.25	1 - 18	1	TABLE 22-2	Pass	Favorable
ES30N1	R	321771444 / 121716678	12.5-12.75	1 - 18	1	TABLE 22-2	Pass	Favorable
ES30N1	R	321771445 / 121716679	12.7-12.75	1 - 18	1	TABLE 22-2	Pass	Favorable

ES30N1	R	321771446 / 121716680	12.75-13.25	1 - 18	1	TABLE 22-2	Pass	Favorable
ES30N25	R	321771447 / 121716681	12.5-12.75	1 - 18	1	TABLE 22-2	Pass	Favorable
ES30N25	R	321771448 / 121716682	12.7-12.75	1 - 18	1	TABLE 22-2	Pass	Favorable
ES30N25	R	321771449 / 121716683	12.75-13.25	1 - 18	1	TABLE 22-2	Pass	Favorable
SED	E	321771432 / 121716655	10.7-11.7	1 - 18	2, 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
SED	E	321771433 / 121716686	11.7-12.7	1 - 18	2, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
SED N1	E	321771434 / 121716672	10.7-11.7	1 - 18	2, 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
SED N1	E	321771435 / 121716691	11.7-12.7	1 - 18	2, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
SED N25	E	321771436 / 121716673	10.7-11.7	1 - 18	2, 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
SED N25	E	321771437 / 121716692	11.7-12.7	1 - 18	2, 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.