

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	↓	17800	18600	All
2	↓	17800	18600	All
3	↓	19700	20200	All
4	↓	19700	20200	All
5	↑	27500	28600	All
6	↑	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)	10

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1098/1098/99.9	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
2.78E-06	600	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
UTKA1, UTKA2, UTKA3, UTKA4	R	29660	30000	empty
FLKA	R	27500	29000	empty
RLKA	E	17745	18600	empty
DTKA1, DTKA2, DTKA3, DTKA4	E	19700	20200	empty

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
FLKA	R	319842032 / 119790491 319842033 / 119790499 319842034 / 119790503 319842035 / 119790504	27.5-28.5	1	5	TABLE 22-2	Pass	Favorable
FLKA	R	319842036 / 119790524 319842037 / 119790526 319842038 / 119790528 319842039 / 119790529	28.5-29	1	5	TABLE 22-2	N/A	N/A
UTKA1	R	319842040 / 119790497 319842041 / 119790508	29.66-30	1	6	TABLE 22-2	Pass	Favorable
UTKA2	R	319842042 / 119790518 319842043 / 119790519	29.66-30	1	6	TABLE 22-2	Pass	Favorable
UTKA3	R	319842044 / 119790520 319842045 / 119790521	29.66-30	1	6	TABLE 22-2	Pass	Favorable

UTKA4	R	319842046 / 119790522 319842047 / 119790523	29.66-30	1	6	TABLE 22-2	Pass	Favorable
DTKA1	E	319842014 / 119790498 319842015 / 119790509	19.7-20.2	1	3, 4	TABLE 22-1C	Pass	Favorable
DTKA2	E	319842016 / 119790510 319842017 / 119790511	19.7-20.2	1	3, 4	TABLE 22-1C	Pass	Favorable
DTKA3	E	319842018 / 119790512 319842019 / 119790513	19.7-20.2	1	3, 4	TABLE 22-1C	Pass	Favorable
DTKA4	E	319842020 / 119790514 319842021 / 119790515	19.7-20.2	1	3, 4	TABLE 22-1C	Pass	Favorable
RLKA	E	319842022 / 119790492 319842025 / 119790500 319842026 / 119790516 319842027 / 119790517	17.835- 18.175	1	1, 2, 7	TABLE 22-1B TABLE 22-3	N/A N/A	N/A
RLKA	E	319842023 / 119790495 319842024 / 119790496	17.745- 17.835	1	1, 2, 7	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
RLKA	E	319842028 / 119790525 319842029 / 119790527 319842030 / 119790530 319842031 / 119790531	18.175-18.6	1	1, 2, 7	TABLE 22-1B TABLE 22-3	N/A N/A	N/A

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.