

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	↑	27500	28600	All
2	↑	29500	30000	All
3	↓	17800	18600	All
4	↓	19700	20200	All
5	↔	17800	18400	All

Common SNS Data

Common

A.4.b.7.d.1 Exclusion zone type	A.4.b.7.d.2 Exclusion zone size, degrees
Y - topocentric angle (earth based)	7.5

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
6700/6700/56	Keeping	Not defined

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
1.7E-05	240	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
KAUP1	R	27500	30000	20
KADWN1	E	17800	20200	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
KAUP1	R	319839635 / 119613155 319839637 / 119613159 319839638 / 119613160 319839639 / 119613161	27.5-28.3	1 - 8	1	TABLE 22-2	Pass	Favorable
KAUP1	R	319839636 / 119613156 319839640 / 119613162 319839641 / 119613163 319839642 / 119613164	29.5-30	1 - 8	2	TABLE 22-2	Pass	Favorable
KAUP1	R	319839643 / 119613182 319839644 / 119613183 319839645 / 119613184 319839646 / 119613185	28.3-29.1	1 - 8	1	TABLE 22-2	Pass	Favorable
KADWN1	E	319839627 / 119613154 319839629 / 119613165 319839630 / 119613166 319839631 / 119613167	17.8-18.6	1 - 8	3, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADWN1	E	319839628 / 119613158 319839632 / 119613171 319839633 / 119613172 319839634 / 119613173	19.7-20.2	1 - 8	4	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.