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	1 - 6, 12 (sat IDs: All)
3	↓	17800	18600	7 - 11 (sat IDs: All)
5	↓	19700	20200	1 - 6, 12 (sat IDs: All)
7	↓	19700	20200	7 - 11 (sat IDs: All)
9	↑	27500	28600	All
10	↑	29500	30000	All
11	↔	17800	18400	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)	9

Orbits

Apogee/Perigee/Inclination	*A.4.b.6.d* *Uses station keeping*	*A.4.b.6.e* *Uses specific precession*
1000/1000/99.5 1248/1248/37.4 1003.8/996.4/99.5	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*
2.5E-07	2000	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*
KAU1, KAU2, KAULEO	R	27500	30000	empty
KADLEO	E	17800	20200	empty
KAD1, KAD2	E	17700	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*
KAU1	R	319839494 / 112714486	27.5-28.3	1 - 6	9	TABLE 22-2	Pass	Favorable
KAU1	R	319839495 / 112714487	29.5-30	1 - 6	10	TABLE 22-2	Pass	Favorable
KAU1	R	319839496 / 112721849	28.3-29.5	1 - 6	9	TABLE 22-2	Pass	Favorable
KAU2	R	319839497 / 118642228	27.5-28.3	12	9	TABLE 22-2	Pass	Favorable
KAU2	R	319839498 / 118642229	29.5-30	12	10	TABLE 22-2	Pass	Favorable
KAU2	R	319839499 / 118642230	28.3-29.5	12	9	TABLE 22-2	Pass	Favorable

KAULEO	R	319839500 / 115637874 319839501 / 115637875 319839502 / 115637876 319839503 / 115637877	27.5-28.6	7 - 11	9	TABLE 22-2	Pass	Favorable
KAULEO	R	319839504 / 115637891 319839505 / 115637893 319839506 / 115637895 319839507 / 115637897	29.5-30	7 - 11	10	TABLE 22-2	Pass	Favorable
KAD1	E	319839476 / 112714489	19.7-20.2	1 - 6		TABLE 22-1C	Pass	Favorable
KAD1	E	319839477 / 112721850	17.7-18.1	1 - 6	1, 3, 11	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	319839478 / 112721851	18.1-18.6	1 - 6	1, 3, 11	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	319839479 / 118642219	19.7-20.2	12		TABLE 22-1C	Pass	Favorable
KAD2	E	319839480 / 118642220	17.7-18.1	12	1, 3, 11	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	319839481 / 118642221	18.1-18.6	12	1, 3, 11	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADLEO	E	319839482 / 115637870 319839483 / 115637871 319839484 / 115637872 319839485 / 115637873	17.8-18.1	7 - 11	1, 3, 11	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADLEO	E	319839486 / 115637878 319839488 / 115637881 319839490 / 115637884 319839492 / 115637887	18.1-18.6	7 - 11	1, 3, 11	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADLEO	E	319839487 / 115637880 319839489 / 115637883 319839491 / 115637886 319839493 / 115637889	19.7-20.2	7 - 11		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.