

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	↑	10000	40000	All
3	↔	10000	40000	All
4	↓	10000	40000	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)	20

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1100/1100/86.4	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
4E-09	5000	4

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
KAFL1U, KAFL2U, KAUE1U, KAUE2U	R	27500	30000	10
KAFL1D, KAFL2D, KAUE1D, KAUE2D	E	17700	20200	10

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
KAFL1U	R	318748157 / 117824868 318748158 / 117824869 318748159 / 117824870	27.5-28.5	1 - 6	1	TABLE 22-2	Pass	Favorable
KAFL1U	R	318748160 / 117824904 318748161 / 117824905 318748162 / 117824906	28.5-30	1 - 6	1	TABLE 22-2	Pass	Favorable
KAFL2U	R	318748163 / 117824886 318748164 / 117824887 318748165 / 117824888	27.5-28.5	1 - 6	1	TABLE 22-2	Pass	Favorable
KAFL2U	R	318748166 / 117824913 318748167 / 117824914 318748168 / 117824915	28.5-30	1 - 6	1	TABLE 22-2	Pass	Favorable
KAUE1U	R	318748169 / 117824877 318748170 / 117824878 318748171 / 117824879	27.5-28.5	1 - 6	1	TABLE 22-2	Pass	Favorable
KAUE1U	R	318748172 / 117824907 318748173 / 117824908 318748174 / 117824909	28.5-30	1 - 6	1	TABLE 22-2	Pass	Favorable

KAUE2U	R	318748175 / 117824889 318748176 / 117824890 318748177 / 117824891	27.5-28.5	1 - 6	1	TABLE 22-2	Pass	Favorable
KAUE2U	R	318748178 / 117824916 318748179 / 117824917 318748180 / 117824918	28.5-30	1 - 6	1	TABLE 22-2	Pass	Favorable
KAFL1D	E	318748127 / 117824871 318748128 / 117824873 318748129 / 117824875	17.7-18.6	1 - 6	3, 4	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAFL1D	E	318748130 / 117841628 318748131 / 117841629 318748132 / 117841630	19.25- 20.15	1 - 6	4	TABLE 22-1C	Pass	Favorable
KAFL1D	E	318748133 / 117841631 318748134 / 117841632 318748135 / 117841633	19.3-20.2	1 - 6	4	TABLE 22-1C	Pass	Favorable
KAFL2D	E	318748136 / 117824892 318748137 / 117824894 318748138 / 117824896	17.7-18.6	1 - 6	3, 4	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAFL2D	E	318748139 / 117841634 318748140 / 117841635 318748141 / 117841636	19.25- 20.15	1 - 6	4	TABLE 22-1C	Pass	Favorable
KAFL2D	E	318748142 / 117841637 318748143 / 117841638 318748144 / 117841639	19.3-20.2	1 - 6	4	TABLE 22-1C	Pass	Favorable
KAUE1D	E	318748145 / 117824880 318748146 / 117824881 318748147 / 117824882	17.7-18.6	1 - 6	3, 4	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAUE1D	E	318748148 / 117824910 318748149 / 117824911 318748150 / 117824912	19.7-20.2	1 - 6	4	TABLE 22-1C	Pass	Favorable
KAUE2D	E	318748151 / 117824898 318748152 / 117824899 318748153 / 117824900	17.7-18.6	1 - 6	3, 4	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAUE2D	E	318748154 / 117824919 318748155 / 117824920 318748156 / 117824921	19.7-20.2	1 - 6	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.