

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
2	↔	10000	40000	All
3	↓	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	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
KAFL3U, KAFL4U, KAUE3U, KAUE4U	R	29500	30000	10
KAFL1U, KAFL2U, KAUE1U, KAUE2U	R	27500	29100	10
KAFL3D, KAFL4D, KAUE3D, KAUE4D	E	19700	20200	10
KAFL1D, KAFL2D, KAUE1D, KAUE2D	E	17700	18600	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	319840187 / 119618980 319840188 / 119618981 319840189 / 119618982	27.5-28.5	1 - 18	1	TABLE 22-2	Pass	Favorable
KAFL2U	R	319840193 / 119618992 319840194 / 119618993 319840195 / 119618994	27.5-28.5	1 - 18	1	TABLE 22-2	Pass	Favorable
KAFL3U	R	319840199 / 119619006 319840200 / 119619007 319840201 / 119619008	29.5-30	1 - 18	1	TABLE 22-2	Pass	Favorable
KAFL4U	R	319840202 / 119619009 319840203 / 119619010 319840204 / 119619011	29.5-30	1 - 18	1	TABLE 22-2	Pass	Favorable
KAUE1U	R	319840205 / 119618986 319840206 / 119618987 319840207 / 119618988	27.5-28.5	1 - 18	1	TABLE 22-2	Pass	Favorable

KAUE2U	R	319840211 / 119618995 319840212 / 119618996 319840213 / 119618997	27.5-28.5	1 - 18	1	TABLE 22-2	Pass	Favorable
KAUE3U	R	319840217 / 119619012 319840218 / 119619013 319840219 / 119619014	29.5-30	1 - 18	1	TABLE 22-2	Pass	Favorable
KAUE4U	R	319840220 / 119619015 319840221 / 119619016 319840222 / 119619017	29.5-30	1 - 18	1	TABLE 22-2	Pass	Favorable
KAFL1D	E	319840151 / 119618983 319840152 / 119618984 319840153 / 119618985	17.7-18.6	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAFL2D	E	319840154 / 119618998 319840155 / 119618999 319840156 / 119619000	17.7-18.6	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAFL3D	E	319840157 / 119619018 319840158 / 119619019 319840159 / 119619020 319840160 / 119619021 319840161 / 119619022 319840162 / 119619023	19.7-20.2	1 - 18	3	TABLE 22-1C	Pass	Favorable
KAFL4D	E	319840163 / 119619024 319840164 / 119619025 319840165 / 119619026 319840166 / 119619027 319840167 / 119619028 319840168 / 119619029	19.7-20.2	1 - 18	3	TABLE 22-1C	Pass	Favorable
KAUE1D	E	319840169 / 119618989 319840170 / 119618990 319840171 / 119618991	17.7-18.6	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAUE2D	E	319840172 / 119619001 319840173 / 119619002 319840174 / 119619003	17.7-18.6	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAUE3D	E	319840175 / 119619030 319840176 / 119619031 319840177 / 119619032 319840178 / 119619033 319840179 / 119619034 319840180 / 119619035	19.7-20.2	1 - 18	3	TABLE 22-1C	Pass	Favorable
KAUE4D	E	319840181 / 119619036 319840182 / 119619037 319840183 / 119619038 319840184 / 119619039 319840185 / 119619040 319840186 / 119619041	19.7-20.2	1 - 18	3	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.