

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	↓	10700	12750	All
2	↓	17800	18600	All
3	↓	19700	20200	All
5	↑	12750	13250	All
6	↑	13750	14500	All
7	↑	27500	28600	All
8	↑	29500	30000	All
11	↔	10700	12750	All
13	↔	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
N - satellite based angle	10

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
315/315/30	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
5E-06	500	1

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	5

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
KUU3	R	13750	14000	10
KUU1, KUU2	R	12750	14500	10
KAU1, KAU2, KAU3	R	27500	30000	10
KUD1, KUD2	E	10700	12750	10
KAD1, KAD2, KAD3	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
KAU1	R	321775044 / 121758525 321775045 / 121758526 321775046 / 121758527 321775047 / 121758528	27.5-28.5	1 - 23	7	TABLE 22-2	Pass	Favorable
KAU1	R	321775048 / 121758529 321775049 / 121758530	29.5-30	1 - 23	8	TABLE 22-2	Pass	Favorable
KAU1	R	321775050 / 121758727 321775051 / 121758728 321775052 / 121758729 321775053 / 121758730	28.5-29.1	1 - 23	7	TABLE 22-2	Pass	Favorable
KAU2	R	321775054 / 121758535 321775055 / 121758536 321775056 / 121758537	27.5-28.5	1 - 23	7	TABLE 22-2	Pass	Favorable

		321775057 / 121758538						
KAU2	R	321775058 / 121758539 321775059 / 121758540	29.5-30	1 - 23	8	TABLE 22-2	Pass	Favorable
KAU2	R	321775060 / 121758731 321775061 / 121758732 321775062 / 121758733 321775063 / 121758734	28.5-29.1	1 - 23	7	TABLE 22-2	Pass	Favorable
KAU3	R	321775064 / 121758563 321775065 / 121758564 321775066 / 121758565 321775067 / 121758566	27.5-28.5	1 - 23	7	TABLE 22-2	Pass	Favorable
KAU3	R	321775068 / 121758567 321775069 / 121758568	29.5-30	1 - 23	8	TABLE 22-2	Pass	Favorable
KAU3	R	321775070 / 121758743 321775071 / 121758744 321775072 / 121758745 321775073 / 121758746	28.5-29.1	1 - 23	7	TABLE 22-2	Pass	Favorable
KUU1	R	321775074 / 121758649 321775075 / 121758650 321775076 / 121758651 321775077 / 121758652 321775078 / 121758653 321775079 / 121758654 321775080 / 121758655	12.75-13.25	1 - 23	5	TABLE 22-2	Pass	Favorable
KUU1	R	321775081 / 121758771 321775082 / 121758772 321775083 / 121758773 321775084 / 121758774 321775085 / 121758775 321775086 / 121758776	14-14.5	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU1	R	321775087 / 121758777	13.75-14.5	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU2	R	321775088 / 121758656 321775089 / 121758657 321775090 / 121758658 321775091 / 121758659 321775092 / 121758660 321775093 / 121758661 321775094 / 121758662	12.75-13.25	1 - 23	5	TABLE 22-2	Pass	Favorable
KUU2	R	321775095 / 121758778 321775096 / 121758779 321775097 / 121758780 321775098 / 121758781 321775099 / 121758782 321775100 / 121758783	14-14.5	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU2	R	321775101 / 121758784	13.75-14.5	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU3	R	321775102 / 121758667	13.75- 13.772	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU3	R	321775103 / 121758668	13.773- 13.779	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU3	R	321775104 / 121758669	13.778-14	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU3	R	321775105 / 121758670	13.75-14	1 - 23	6	TABLE 22-2	Pass	Favorable
KAD1	E	321774932 / 121758505 321774933 / 121758506 321774934 / 121758507 321774935 / 121758508	17.7-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	321774936 / 121758509 321774937 / 121758510	19.7-20.2	1 - 23	3	TABLE 22-1C	Pass	Favorable
KAD1	E	321774938 / 121758711 321774939 / 121758713 321774940 / 121758715 321774941 / 121758717	18.1-18.6	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	321774942 / 121763421 321774943 / 121763422 321774944 / 121763423 321774945 / 121763424	17.8-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321774946 / 121758515 321774947 / 121758516 321774948 / 121758517 321774949 / 121758518	17.7-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321774950 / 121758519 321774951 / 121758520	19.7-20.2	1 - 23	3	TABLE 22-1C	Pass	Favorable
KAD2	E	321774952 / 121758719	18.1-18.6	1 - 23	2, 13	TABLE 22-1B	Pass	Favorable

		321774953 / 121758721 321774954 / 121758723 321774955 / 121758725				TABLE 22-3	Pass	
KAD2	E	321774956 / 121763425 321774957 / 121763426 321774958 / 121763427 321774959 / 121763428	17.8-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774960 / 121758553 321774961 / 121758554 321774962 / 121758555 321774963 / 121758556	17.7-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774964 / 121758557 321774965 / 121758558	19.7-20.2	1 - 23	3	TABLE 22-1C	Pass	Favorable
KAD3	E	321774966 / 121758735 321774967 / 121758737 321774968 / 121758739 321774969 / 121758741	18.1-18.6	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774970 / 121763429 321774971 / 121763430 321774972 / 121763431 321774973 / 121763432	17.8-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KUD1	E	321774974 / 121758593 321774975 / 121758594 321774976 / 121758595 321774977 / 121758596 321774978 / 121758597 321774979 / 121758598 321774980 / 121758599	10.7-11.2	1 - 23	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD1	E	321774981 / 121758600 321774982 / 121758601 321774983 / 121758602 321774984 / 121758603 321774985 / 121758604 321774986 / 121758605 321774987 / 121758606	12.5-12.75	1 - 23	1, 11	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD1	E	321774988 / 121758607 321774989 / 121758608 321774990 / 121758609 321774991 / 121758610 321774992 / 121758611 321774993 / 121758612 321774994 / 121758613	11.7-12.2	1 - 23	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KUD1	E	321774995 / 121758614 321774996 / 121758615 321774997 / 121758616 321774998 / 121758617 321774999 / 121758618 321775000 / 121758619 321775001 / 121758620	12.2-12.75	1 - 23	1, 11	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD1	E	321775002 / 121758757 321775003 / 121758758 321775004 / 121758759 321775005 / 121758760 321775006 / 121758761 321775007 / 121758762 321775008 / 121758763	11.2-11.7	1 - 23	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	321775009 / 121758621 321775010 / 121758622 321775011 / 121758623 321775012 / 121758624 321775013 / 121758625 321775014 / 121758626 321775015 / 121758627	10.7-11.2	1 - 23	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	321775016 / 121758628 321775017 / 121758629 321775018 / 121758630 321775019 / 121758631 321775020 / 121758632 321775021 / 121758633 321775022 / 121758634	12.5-12.75	1 - 23	1, 11	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD2	E	321775023 / 121758635 321775024 / 121758636 321775025 / 121758637	11.7-12.2	1 - 23	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A	Pass Pass Pass	Favorable

		321775026 / 121758638 321775027 / 121758639 321775028 / 121758640 321775029 / 121758641				TABLE 22-1D		
KUD2	E	321775030 / 121758642 321775031 / 121758643 321775032 / 121758644 321775033 / 121758645 321775034 / 121758646 321775035 / 121758647 321775036 / 121758648	12.2-12.75	1 - 23	1, 11	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass N/A Pass N/A N/A	Favorable
KUD2	E	321775037 / 121758764 321775038 / 121758765 321775039 / 121758766 321775040 / 121758767 321775041 / 121758768 321775042 / 121758769 321775043 / 121758770	11.2-11.7	1 - 23	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass 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.