

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
10	↔	10700	11700	All
11	↔	12200	12750	All
12	↔	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
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
1150/1150/50	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
6E-05	999	6

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	-60	1
-60	60	6
60	90	1

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	322774707 / 122740892 322774708 / 122740893 322774709 / 122740894 322774710 / 122740895	27.5-30	1 - 12	7, 8	TABLE 22-2	Pass	Favorable
KAU2	R	322774711 / 122740900 322774712 / 122740901 322774713 / 122740902 322774714 / 122740903	27.5-30	1 - 12	7, 8	TABLE 22-2	Pass	Favorable
KAU2	R	322774715 / 122741101	28.4-29.5	1 - 12	7	TABLE 22-2	Pass	Favorable

KAU3	R	322774716 / 122740924 322774717 / 122740925 322774718 / 122740926 322774719 / 122740927	27.5-30	1 - 12	7, 8	TABLE 22-2	Pass	Favorable
KUU1	R	322774720 / 122741008 322774721 / 122741009 322774722 / 122741010 322774723 / 122741011 322774724 / 122741012 322774725 / 122741013 322774726 / 122741014	12.75-14.5	1 - 12	5, 6	TABLE 22-2	Pass	Favorable
KUU2	R	322774727 / 122741015 322774728 / 122741016 322774729 / 122741017 322774730 / 122741018 322774731 / 122741019 322774732 / 122741020 322774733 / 122741021	12.75-14.5	1 - 12	5, 6	TABLE 22-2	Pass	Favorable
KUU3	R	322774734 / 122741026	13.75- 13.772	1 - 12	6	TABLE 22-2	Pass	Favorable
KUU3	R	322774735 / 122741027	13.772- 13.778	1 - 12	6	TABLE 22-2	Pass	Favorable
KUU3	R	322774736 / 122741028	13.778-14	1 - 12	6	TABLE 22-2	Pass	Favorable
KUU3	R	322774737 / 122741029	13.75-14	1 - 12	6	TABLE 22-2	Pass	Favorable
KAD1	E	322774615 / 122740876 322774616 / 122740877 322774617 / 122740878 322774618 / 122740879	18.1-20.2	1 - 12	2, 3, 12	TABLE 22-1B TABLE 22-3 TABLE 22-1C	Pass Pass Pass	Favorable
KAD1	E	322774619 / 122741070 322774620 / 122741071 322774621 / 122741072 322774622 / 122741073	17.7-18.2	1 - 12	2, 12	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	322774623 / 122741074 322774624 / 122741075 322774625 / 122741076 322774626 / 122741077	17.8-18.2	1 - 12	2, 12	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	322774627 / 122740884 322774628 / 122740885 322774629 / 122740886 322774630 / 122740887	18.1-20.2	1 - 12	2, 3, 12	TABLE 22-1B TABLE 22-3 TABLE 22-1C	Pass Pass Pass	Favorable
KAD2	E	322774631 / 122741078 322774632 / 122741079 322774633 / 122741080 322774634 / 122741081	17.7-18.2	1 - 12	2, 12	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	322774635 / 122741082 322774636 / 122741083 322774637 / 122741084 322774638 / 122741085	17.8-18.2	1 - 12	2, 12	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	322774639 / 122740916 322774640 / 122740917 322774641 / 122740918 322774642 / 122740919	18.1-20.2	1 - 12	2, 3, 12	TABLE 22-1B TABLE 22-3 TABLE 22-1C	Pass Pass Pass	Favorable
KAD3	E	322774643 / 122741086 322774644 / 122741087 322774645 / 122741088 322774646 / 122741089	17.7-18.2	1 - 12	2, 12	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	322774647 / 122741090 322774648 / 122741091 322774649 / 122741092 322774650 / 122741093	17.8-18.2	1 - 12	2, 12	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KUD1	E	322774651 / 122740952 322774652 / 122740953 322774653 / 122740954 322774654 / 122740955 322774655 / 122740956 322774656 / 122740957 322774657 / 122740958	10.7-11.7	1 - 12	1, 10	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD1	E	322774658 / 122740959 322774659 / 122740960 322774660 / 122740961 322774661 / 122740962 322774662 / 122740963	12.5-12.75	1 - 12	1,11	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass	Favorable

		322774663 / 122740964 322774664 / 122740965						
KUD1	E	322774665 / 122740966 322774666 / 122740967 322774667 / 122740968 322774668 / 122740969 322774669 / 122740970 322774670 / 122740971 322774671 / 122740972	11.7-12.2	1 - 12	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KUD1	E	322774672 / 122740973 322774673 / 122740974 322774674 / 122740975 322774675 / 122740976 322774676 / 122740977 322774677 / 122740978 322774678 / 122740979	12.2-12.75	1 - 12	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	322774679 / 122740980 322774680 / 122740981 322774681 / 122740982 322774682 / 122740983 322774683 / 122740984 322774684 / 122740985 322774685 / 122740986	10.7-11.7	1 - 12	1, 10	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	322774686 / 122740987 322774687 / 122740988 322774688 / 122740989 322774689 / 122740990 322774690 / 122740991 322774691 / 122740992 322774692 / 122740993	12.5-12.75	1 - 12	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	322774693 / 122740994 322774694 / 122740995 322774695 / 122740996 322774696 / 122740997 322774697 / 122740998 322774698 / 122740999 322774699 / 122741000	11.7-12.2	1 - 12	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KUD2	E	322774700 / 122741001 322774701 / 122741002 322774702 / 122741003 322774703 / 122741004 322774704 / 122741005 322774705 / 122741006 322774706 / 122741007	12.2-12.75	1 - 12	1,11	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass 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.