

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
365/365/40	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	321774522 / 121759789 321774523 / 121759790 321774524 / 121759791 321774525 / 121759792	27.5-28.5	1 - 32	7	TABLE 22-2	Pass	Favorable
KAU1	R	321774526 / 121759793 321774527 / 121759794	29.5-30	1 - 32	8	TABLE 22-2	Pass	Favorable
KAU1	R	321774528 / 121759991 321774529 / 121759992 321774530 / 121759993 321774531 / 121759994	28.5-29.1	1 - 32	7	TABLE 22-2	Pass	Favorable
KAU2	R	321774532 / 121759799 321774533 / 121759800	27.5-28.5	1 - 32	7	TABLE 22-2	Pass	Favorable

		321774534 / 121759801 321774535 / 121759802						
KAU2	R	321774536 / 121759803 321774537 / 121759804	29.5-30	1 - 32	8	TABLE 22-2	Pass	Favorable
KAU2	R	321774538 / 121759995 321774539 / 121759996 321774540 / 121759997 321774541 / 121759998	28.5-29.1	1 - 32	7	TABLE 22-2	Pass	Favorable
KAU3	R	321774542 / 121759827 321774543 / 121759828 321774544 / 121759829 321774545 / 121759830	27.5-28.5	1 - 32	7	TABLE 22-2	Pass	Favorable
KAU3	R	321774546 / 121759831 321774547 / 121759832	29.5-30	1 - 32	8	TABLE 22-2	Pass	Favorable
KAU3	R	321774548 / 121760007 321774549 / 121760008 321774550 / 121760009 321774551 / 121760010	28.5-29.1	1 - 32	7	TABLE 22-2	Pass	Favorable
KUU1	R	321774552 / 121759913 321774553 / 121759914 321774554 / 121759915 321774555 / 121759916 321774556 / 121759917 321774557 / 121759918 321774558 / 121759919	12.75-13.25	1 - 32	5	TABLE 22-2	Pass	Favorable
KUU1	R	321774559 / 121760035 321774560 / 121760036 321774561 / 121760037 321774562 / 121760038 321774563 / 121760039 321774564 / 121760040	14-14.5	1 - 32	6	TABLE 22-2	Pass	Favorable
KUU1	R	321774565 / 121760041	13.75-14.5	1 - 32	6	TABLE 22-2	Pass	Favorable
KUU2	R	321774566 / 121759920 321774567 / 121759921 321774568 / 121759922 321774569 / 121759923 321774570 / 121759924 321774571 / 121759925 321774572 / 121759926	12.75-13.25	1 - 32	5	TABLE 22-2	Pass	Favorable
KUU2	R	321774573 / 121760042 321774574 / 121760043 321774575 / 121760044 321774576 / 121760045 321774577 / 121760046 321774578 / 121760047	14-14.5	1 - 32	6	TABLE 22-2	Pass	Favorable
KUU2	R	321774579 / 121760048	13.75-14.5	1 - 32	6	TABLE 22-2	Pass	Favorable
KUU3	R	321774580 / 121759931	13.75- 13.772	1 - 32	6	TABLE 22-2	Pass	Favorable
KUU3	R	321774581 / 121759932	13.773- 13.779	1 - 32	6	TABLE 22-2	Pass	Favorable
KUU3	R	321774582 / 121759933	13.778-14	1 - 32	6	TABLE 22-2	Pass	Favorable
KUU3	R	321774583 / 121759934	13.75-14	1 - 32	6	TABLE 22-2	Pass	Favorable
KAD1	E	321774410 / 121759769 321774411 / 121759770 321774412 / 121759771 321774413 / 121759772	17.7-18.2	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	321774414 / 121759773 321774415 / 121759774	19.7-20.2	1 - 32	3	TABLE 22-1C	Pass	Favorable
KAD1	E	321774416 / 121759975 321774417 / 121759977 321774418 / 121759979 321774419 / 121759981	18.1-18.6	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	321774420 / 121763457 321774421 / 121763458 321774422 / 121763459 321774423 / 121763460	17.8-18.2	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321774424 / 121759779 321774425 / 121759780 321774426 / 121759781 321774427 / 121759782	17.7-18.2	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321774428 / 121759783 321774429 / 121759784	19.7-20.2	1 - 32	3	TABLE 22-1C	Pass	Favorable

KAD2	E	321774430 / 121759983 321774431 / 121759985 321774432 / 121759987 321774433 / 121759989	18.1-18.6	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321774434 / 121763461 321774435 / 121763462 321774436 / 121763463 321774437 / 121763464	17.8-18.2	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774438 / 121759817 321774439 / 121759818 321774440 / 121759819 321774441 / 121759820	17.7-18.2	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774442 / 121759821 321774443 / 121759822	19.7-20.2	1 - 32	3	TABLE 22-1C	Pass	Favorable
KAD3	E	321774444 / 121759999 321774445 / 121760001 321774446 / 121760003 321774447 / 121760005	18.1-18.6	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774448 / 121763465 321774449 / 121763466 321774450 / 121763467 321774451 / 121763468	17.8-18.2	1 - 32	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KUD1	E	321774452 / 121759857 321774453 / 121759858 321774454 / 121759859 321774455 / 121759860 321774456 / 121759861 321774457 / 121759862 321774458 / 121759863	10.7-11.2	1 - 32	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD1	E	321774459 / 121759864 321774460 / 121759865 321774461 / 121759866 321774462 / 121759867 321774463 / 121759868 321774464 / 121759869 321774465 / 121759870	12.5-12.75	1 - 32	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	321774466 / 121759871 321774467 / 121759872 321774468 / 121759873 321774469 / 121759874 321774470 / 121759875 321774471 / 121759876 321774472 / 121759877	11.7-12.2	1 - 32	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KUD1	E	321774473 / 121759878 321774474 / 121759879 321774475 / 121759880 321774476 / 121759881 321774477 / 121759882 321774478 / 121759883 321774479 / 121759884	12.2-12.75	1 - 32	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	321774480 / 121760021 321774481 / 121760022 321774482 / 121760023 321774483 / 121760024 321774484 / 121760025 321774485 / 121760026 321774486 / 121760027	11.2-11.7	1 - 32	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	321774487 / 121759885 321774488 / 121759886 321774489 / 121759887 321774490 / 121759888 321774491 / 121759889 321774492 / 121759890 321774493 / 121759891	10.7-11.2	1 - 32	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	321774494 / 121759892 321774495 / 121759893 321774496 / 121759894 321774497 / 121759895 321774498 / 121759896 321774499 / 121759897 321774500 / 121759898	12.5-12.75	1 - 32	1, 11	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass N/A Pass Pass Pass	Favorable

KUD2	E	321774501 / 121759899 321774502 / 121759900 321774503 / 121759901 321774504 / 121759902 321774505 / 121759903 321774506 / 121759904 321774507 / 121759905	11.7-12.2	1 - 32	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass	Favorable
KUD2	E	321774508 / 121759906 321774509 / 121759907 321774510 / 121759908 321774511 / 121759909 321774512 / 121759910 321774513 / 121759911 321774514 / 121759912	12.2-12.75	1 - 32	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	321774515 / 121760028 321774516 / 121760029 321774517 / 121760030 321774518 / 121760031 321774519 / 121760032 321774520 / 121760033 321774521 / 121760034	11.2-11.7	1 - 32	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.