

Description of EPFD validation and results of examination

Input parameters

Configuration	Orbit Plane ID
1	1 – 25
	60 – 72
	73 – 90
	122
2	26 – 59
	91 – 103
	104 – 121
	123

Mask link data

Mask Id.	Direction	Minimum frequency, MHz	Maximum frequency, MHz	Linked orbit IDs / Satellite IDs
1	↓	17800	18600	All
2	↔	17800	18400	All
3	↓	19700	20200	All
4	↑	27500	30000	All
7	↑	17300	18100	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)	12

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
674/674/53.9 682/682/81 642/642/40 650/650/96	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
1E-06	1000	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
KAU3, KAU31, KAU4, KAU41	R	17300	18100	15
KAU1, KAU11, KAU2, KAU21	R	27500	30000	15
KAD3, KAD31, KAD4, KAD41	E	19300	20200	15
KAD1, KAD11, KAD2, KAD21	E	17700	18600	15

Results

<i>B1A</i> <i>Beam designation</i>	<i>B2</i> <i>Emi-Rcp</i>	<i>BR7a</i> <i>Group id./</i> <i>Target Group id.</i>	<i>GHz</i>	<i>Orbital planes id. no.</i>	<i>Mask ID</i>	<i>Article 22 Limit</i>	<i>Result</i>	<i>Article 22 Examination</i>
KAU1	R	322774555 / 122739716 322774556 / 122739717 322774557 / 122739718 322774558 / 122739719 322774559 / 122739720	27.5-30	60 - 90, 122	4	TABLE 22-2	Pass	Favorable
KAU11	R	322774560 / 122739930 322774561 / 122739931 322774562 / 122739932 322774563 / 122739933 322774564 / 122739934	27.5-30	26 - 59	4	TABLE 22-2	Pass	Favorable
KAU2	R	322774565 / 122739721 322774566 / 122739722 322774567 / 122739723 322774568 / 122739724 322774569 / 122739725	27.5-30	60 - 90, 122	4	TABLE 22-2	Pass	Favorable
KAU21	R	322774570 / 122739945 322774571 / 122739946 322774572 / 122739947 322774573 / 122739948 322774574 / 122739949	27.5-30	26 - 59	4	TABLE 22-2	Pass	Favorable
KAU3	R	322774575 / 122739785 322774576 / 122739786 322774577 / 122739787 322774578 / 122739788 322774579 / 122739789	17.3-18.1	60 - 90, 122	7	TABLE 22-2	Pass	Favorable
KAU3	R	322774580 / 122739815 322774581 / 122739816 322774582 / 122739817 322774583 / 122739818 322774584 / 122739819	17.8-18.1	60 - 90, 122	7	TABLE 22-2	Pass	Favorable
KAU31	R	322774585 / 122739960 322774586 / 122739961 322774587 / 122739962 322774588 / 122739963 322774589 / 122739964	17.3-18.1	26 - 59	7	TABLE 22-2	Pass	Favorable
KAU31	R	322774590 / 122739970 322774591 / 122739971 322774592 / 122739972 322774593 / 122739973 322774594 / 122739974	17.8-18.1	26 - 59	7	TABLE 22-2	Pass	Favorable
KAU4	R	322774595 / 122739820 322774596 / 122739821 322774597 / 122739822 322774598 / 122739823 322774599 / 122739824	17.3-18.1	60 - 90, 122	7	TABLE 22-2	Pass	Favorable
KAU4	R	322774600 / 122739830 322774601 / 122739831 322774602 / 122739832 322774603 / 122739833 322774604 / 122739834	17.8-18.1	60 - 90, 122	7	TABLE 22-2	Pass	Favorable
KAU41	R	322774605 / 122739975 322774606 / 122739976 322774607 / 122739977 322774608 / 122739978 322774609 / 122739979	17.3-18.1	26 - 59	7	TABLE 22-2	Pass	Favorable
KAU41	R	322774610 / 122739985 322774611 / 122739986 322774612 / 122739987 322774613 / 122739988 322774614 / 122739989	17.8-18.1	26 - 59	7	TABLE 22-2	Pass	Favorable
KAD1	E	322774451 / 122739706 322774452 / 122739707 322774453 / 122739708 322774454 / 122739709 322774455 / 122739710 322774456 / 122739781 322774457 / 122739782 322774465 / 122743036 322774467 / 122745127	17.7-18.6	60 - 90, 122	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

KAD1	E	322774458 / 122739904 322774459 / 122739905 322774460 / 122739906 322774461 / 122739907 322774462 / 122739908 322774463 / 122739909 322774464 / 122739910 322774466 / 122743037 322774468 / 122745128	17.8-18.6	60 - 90, 122	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD11	E	322774469 / 122740003 322774470 / 122740004 322774471 / 122740005 322774472 / 122740006 322774473 / 122740007 322774474 / 122740008 322774475 / 122740009	17.7-18.6	26 - 59	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD11	E	322774476 / 122740015 322774477 / 122740016 322774478 / 122740017 322774479 / 122740018 322774480 / 122740019 322774481 / 122740020 322774482 / 122740021	17.8-18.6	26 - 59	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	322774483 / 122739711 322774484 / 122739712 322774485 / 122739713 322774486 / 122739714 322774487 / 122739715 322774488 / 122739783 322774489 / 122739784 322774497 / 122745111 322774499 / 122745115	17.7-18.6	60 - 90, 122	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	322774490 / 122739911 322774491 / 122739912 322774492 / 122739913 322774493 / 122739914 322774494 / 122739915 322774495 / 122739916 322774496 / 122739917 322774498 / 122745112 322774500 / 122745116	17.8-18.6	60 - 90, 122	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD21	E	322774501 / 122740022 322774502 / 122740023 322774503 / 122740024 322774504 / 122740025 322774505 / 122740026 322774506 / 122740027 322774507 / 122740028	17.7-18.6	26 - 59	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD21	E	322774508 / 122740034 322774509 / 122740035 322774510 / 122740036 322774511 / 122740037 322774512 / 122740038 322774513 / 122740039 322774514 / 122740040	17.8-18.6	26 - 59	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	322774515 / 122739768 322774516 / 122739769 322774519 / 122739888 322774520 / 122739889 322774521 / 122739890	19.3-19.8	60 - 90, 122	3	TABLE 22-1C	Pass	Favorable
KAD3	E	322774517 / 122739770 322774518 / 122739771 322774522 / 122739891 322774523 / 122739892 322774524 / 122739893	19.7-20.2	60 - 90, 122	3	TABLE 22-1C	Pass	Favorable
KAD31	E	322774525 / 122740046 322774526 / 122740047 322774529 / 122740062 322774530 / 122740063 322774531 / 122740064	19.3-19.8	26 - 59	3	TABLE 22-1C	Pass	Favorable
KAD31	E	322774527 / 122740048 322774528 / 122740049 322774532 / 122740065	19.7-20.2	26 - 59	3	TABLE 22-1C	Pass	Favorable

		322774533 / 122740066 322774534 / 122740067						
KAD4	E	322774535 / 122739772 322774536 / 122739773 322774539 / 122739894 322774540 / 122739895 322774541 / 122739896	19.3-19.8	60 - 90, 122	3	TABLE 22-1C	Pass	Favorable
KAD4	E	322774537 / 122739774 322774538 / 122739775 322774542 / 122739897 322774543 / 122739898 322774544 / 122739899	19.7-20.2	60 - 90, 122	3	TABLE 22-1C	Pass	Favorable
KAD41	E	322774545 / 122740073 322774546 / 122740074 322774549 / 122740089 322774550 / 122740090 322774551 / 122740091	19.3-19.8	26 - 59	3	TABLE 22-1C	Pass	Favorable
KAD41	E	322774547 / 122740075 322774548 / 122740076 322774552 / 122740092 322774553 / 122740093 322774554 / 122740094	19.7-20.2	26 - 59	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.