

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	11700	All
12	↔	12500	12750	All
13	↔	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
435/435/50	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
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	321774696 / 121760105 321774697 / 121760106 321774698 / 121760107 321774699 / 121760108	27.5-28.5	1 - 30	7	TABLE 22-2	Pass	Favorable
KAU1	R	321774700 / 121760109 321774701 / 121760110	29.5-30	1 - 30	8	TABLE 22-2	Pass	Favorable
KAU1	R	321774702 / 121760307 321774703 / 121760308 321774704 / 121760309 321774705 / 121760310	28.5-29.1	1 - 30	7	TABLE 22-2	Pass	Favorable
KAU2	R	321774706 / 121760115 321774707 / 121760116	27.5-28.5	1 - 30	7	TABLE 22-2	Pass	Favorable

		321774708 / 121760117 321774709 / 121760118						
KAU2	R	321774710 / 121760119 321774711 / 121760120	29.5-30	1 - 30	8	TABLE 22-2	Pass	Favorable
KAU2	R	321774712 / 121760311 321774713 / 121760312 321774714 / 121760313 321774715 / 121760314	28.5-29.1	1 - 30	7	TABLE 22-2	Pass	Favorable
KAU3	R	321774716 / 121760143 321774717 / 121760144 321774718 / 121760145 321774719 / 121760146	27.5-28.5	1 - 30	7	TABLE 22-2	Pass	Favorable
KAU3	R	321774720 / 121760147 321774721 / 121760148	29.5-30	1 - 30	8	TABLE 22-2	Pass	Favorable
KAU3	R	321774722 / 121760323 321774723 / 121760324 321774724 / 121760325 321774725 / 121760326	28.5-29.1	1 - 30	7	TABLE 22-2	Pass	Favorable
KUU1	R	321774726 / 121760229 321774727 / 121760230 321774728 / 121760231 321774729 / 121760232 321774730 / 121760233 321774731 / 121760234 321774732 / 121760235	12.75-13.25	1 - 30	5	TABLE 22-2	Pass	Favorable
KUU1	R	321774733 / 121760351 321774734 / 121760352 321774735 / 121760353 321774736 / 121760354 321774737 / 121760355 321774738 / 121760356	14-14.5	1 - 30	6	TABLE 22-2	Pass	Favorable
KUU1	R	321774739 / 121760357	13.75-14.5	1 - 30	6	TABLE 22-2	Pass	Favorable
KUU2	R	321774740 / 121760236 321774741 / 121760237 321774742 / 121760238 321774743 / 121760239 321774744 / 121760240 321774745 / 121760241 321774746 / 121760242	12.75-13.25	1 - 30	5	TABLE 22-2	Pass	Favorable
KUU2	R	321774747 / 121760358 321774748 / 121760359 321774749 / 121760360 321774750 / 121760361 321774751 / 121760362 321774752 / 121760363	14-14.5	1 - 30	6	TABLE 22-2	Pass	Favorable
KUU2	R	321774753 / 121760364	13.75-14.5	1 - 30	6	TABLE 22-2	Pass	Favorable
KUU3	R	321774754 / 121760247	13.75- 13.772	1 - 30	6	TABLE 22-2	Pass	Favorable
KUU3	R	321774755 / 121760248	13.773- 13.779	1 - 30	6	TABLE 22-2	Pass	Favorable
KUU3	R	321774756 / 121760249	13.778-14	1 - 30	6	TABLE 22-2	Pass	Favorable
KUU3	R	321774757 / 121760250	13.75-14	1 - 30	6	TABLE 22-2	Pass	Favorable
KAD1	E	321774584 / 121760085 321774585 / 121760086 321774586 / 121760087 321774587 / 121760088	17.7-18.2	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	321774588 / 121760089 321774589 / 121760090	19.7-20.2	1 - 30	3	TABLE 22-1C	Pass	Favorable
KAD1	E	321774590 / 121760291 321774591 / 121760293 321774592 / 121760295 321774593 / 121760297	18.1-18.6	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	321774594 / 121763469 321774595 / 121763470 321774596 / 121763471 321774597 / 121763472	17.8-18.2	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321774598 / 121760095 321774599 / 121760096 321774600 / 121760097 321774601 / 121760098	17.7-18.2	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321774602 / 121760099 321774603 / 121760100	19.7-20.2	1 - 30	3	TABLE 22-1C	Pass	Favorable

KAD2	E	321774604 / 121760299 321774605 / 121760301 321774606 / 121760303 321774607 / 121760305	18.1-18.6	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321774608 / 121763473 321774609 / 121763474 321774610 / 121763475 321774611 / 121763476	17.8-18.2	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774612 / 121760133 321774613 / 121760134 321774614 / 121760135 321774615 / 121760136	17.7-18.2	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774616 / 121760137 321774617 / 121760138	19.7-20.2	1 - 30	3	TABLE 22-1C	Pass	Favorable
KAD3	E	321774618 / 121760315 321774619 / 121760317 321774620 / 121760319 321774621 / 121760321	18.1-18.6	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321774622 / 121763477 321774623 / 121763478 321774624 / 121763479 321774625 / 121763480	17.8-18.2	1 - 30	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KUD1	E	321774626 / 121760173 321774627 / 121760174 321774628 / 121760175 321774629 / 121760176 321774630 / 121760177 321774631 / 121760178 321774632 / 121760179	10.7-11.2	1 - 30	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD1	E	321774633 / 121760180 321774634 / 121760181 321774635 / 121760182 321774636 / 121760183 321774637 / 121760184 321774638 / 121760185 321774639 / 121760186	12.5-12.75	1 - 30	1,12	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD1	E	321774640 / 121760187 321774641 / 121760188 321774642 / 121760189 321774643 / 121760190 321774644 / 121760191 321774645 / 121760192 321774646 / 121760193	11.7-12.2	1 - 30	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KUD1	E	321774647 / 121760194 321774648 / 121760195 321774649 / 121760196 321774650 / 121760197 321774651 / 121760198 321774652 / 121760199 321774653 / 121760200	12.2-12.75	1 - 30	1,12	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD1	E	321774654 / 121760337 321774655 / 121760338 321774656 / 121760339 321774657 / 121760340 321774658 / 121760341 321774659 / 121760342 321774660 / 121760343	11.2-11.7	1 - 30	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	321774661 / 121760201 321774662 / 121760202 321774663 / 121760203 321774664 / 121760204 321774665 / 121760205 321774666 / 121760206 321774667 / 121760207	10.7-11.2	1 - 30	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	321774668 / 121760208 321774669 / 121760209 321774670 / 121760210 321774671 / 121760211 321774672 / 121760212 321774673 / 121760213 321774674 / 121760214	12.5-12.75	1 - 30	1,12	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD2	E	321774675 / 121760215 321774676 / 121760216	11.7-12.2	1 - 30	1	RR 22.5C4 RR 22.5C8	Pass Pass	Favorable

		321774677 / 121760217 321774678 / 121760218 321774679 / 121760219 321774680 / 121760220 321774681 / 121760221				TABLE 22-1A TABLE 22-1D	Pass Pass	
KUD2	E	321774682 / 121760222 321774683 / 121760223 321774684 / 121760224 321774685 / 121760225 321774686 / 121760226 321774687 / 121760227 321774688 / 121760228	12.2-12.75	1 - 30	1,12	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD2	E	321774689 / 121760344 321774690 / 121760345 321774691 / 121760346 321774692 / 121760347 321774693 / 121760348 321774694 / 121760349 321774695 / 121760350	11.2-11.7	1 - 30	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.