

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
3	↔	17700	20200	57 - 128
550	↓	17700	18600	57 - 128
2	↑	17300	30000	57 - 128

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)	10

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
550/550/53	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-05	316	8

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	-50	8
-50	-20	8
-20	20	8
20	50	8
50	90	8

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
UE283Y, UE283Z, UE299Y, UE299Z, UE319Y, UE319Z, UE344Y, UE344Z, UE379Y, UE379Z, UE423Y, UE423Z	R	29500	30000	25
UC283Y, UC283Z, UC299Y, UC299Z, UC319Y, UC319Z, UC344Y, UC344Z, UC379Y, UC379Z, UC423Y, UC423Z	R	27500	28600	25
UA379Y, UA379Z, UA423Y, UA423Z, UB379Y, UB379Z, UB423Y, UB423Z	R	17300	17700	25
DTTCY, DTTCZ	E	18550	18600	25
DA283Y, DA283Z, DA299Y, DA299Z, DA319Y, DA319Z, DA344Y, DA344Z, DA379Y, DA379Z, DA423Y, DA423Z	E	17700	18600	25

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
DA283Y	E	321712718 321712719 321712720 321712721	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		321712722 321712723 321712724 321713332 321713333 321713334 321713335						
DA283Y	E	321712725 321712726 321712727 321712728 321712729 321712730 321712731 321712732 321712733 321712734 321712735 321712736 321712737 321712738 321713336 321713337 321713338 321713339 321713340 321713341 321713342 321713343	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA283Y	E	321712739 321712740 321712741 321712742 321712743 321712744 321712745 321713344 321713345 321713346 321713347	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA283Z	E	321712746 321712747 321712748 321712749 321712750 321712751 321712752 321713348 321713349 321713350 321713351	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA283Z	E	321712753 321712754 321712755 321712756 321712757 321712758 321712759 321712760 321712761 321712762 321712763 321712764 321712765 321712766 321713352 321713353 321713354 321713355 321713356 321713357 321713358 321713359	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

DA283Z	E	321712767 321712768 321712769 321712770 321712771 321712772 321712773 321713360 321713361 321713362 321713363	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA299Y	E	321712774 321712775 321712776 321712777 321712778 321712779 321712780 321713364 321713365 321713366 321713367	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA299Y	E	321712781 321712782 321712783 321712784 321712785 321712786 321712787 321712788 321712789 321712790 321712791 321712792 321712793 321712794 321713368 321713369 321713370 321713371 321713372 321713373 321713374 321713375	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA299Y	E	321712795 321712796 321712797 321712798 321712799 321712800 321712801 321713376 321713377 321713378 321713379	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA299Z	E	321712802 321712803 321712804 321712805 321712806 321712807 321712808 321713380 321713381 321713382 321713383	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA299Z	E	321712809 321712810 321712811 321712812 321712813 321712814 321712815	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		321712816 321712817 321712818 321712819 321712820 321712821 321712822 321713384 321713385 321713386 321713387 321713388 321713389 321713390 321713391						
DA299Z	E	321712823 321712824 321712825 321712826 321712827 321712828 321712829 321713392 321713393 321713394 321713395	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA319Y	E	321712830 321712831 321712832 321712833 321712834 321712835 321712836 321713396 321713397 321713398 321713399	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA319Y	E	321712837 321712838 321712839 321712840 321712841 321712842 321712843 321712844 321712845 321712846 321712847 321712848 321712849 321712850 321713400 321713401 321713402 321713403 321713404 321713405 321713406 321713407	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA319Y	E	321712851 321712852 321712853 321712854 321712855 321712856 321712857 321713408 321713409 321713410 321713411	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA319Z	E	321712858 321712859 321712860	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		321712861 321712862 321712863 321712864 321713412 321713413 321713414 321713415						
DA319Z	E	321712865 321712866 321712867 321712868 321712869 321712870 321712871 321712872 321712873 321712874 321712875 321712876 321712877 321712878 321713416 321713417 321713418 321713419 321713420 321713421 321713422 321713423	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA319Z	E	321712879 321712880 321712881 321712882 321712883 321712884 321712885 321713424 321713425 321713426 321713427	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA344Y	E	321712886 321712887 321712888 321712889 321712890 321712891 321712892 321713428 321713429 321713430 321713431	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA344Y	E	321712893 321712894 321712895 321712896 321712897 321712898 321712899 321712900 321712901 321712902 321712903 321712904 321712905 321712906 321713432 321713433 321713434 321713435 321713436 321713437 321713438	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		321713439						
DA344Y	E	321712907 321712908 321712909 321712910 321712911 321712912 321712913 321713440 321713441 321713442 321713443	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA344Z	E	321712914 321712915 321712916 321712917 321712918 321712919 321712920 321713444 321713445 321713446 321713447	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA344Z	E	321712921 321712922 321712923 321712924 321712925 321712926 321712927 321712928 321712929 321712930 321712931 321712932 321712933 321712934 321713448 321713449 321713450 321713451 321713452 321713453 321713454 321713455	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA344Z	E	321712935 321712936 321712937 321712938 321712939 321712940 321712941 321713456 321713457 321713458 321713459	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA379Y	E	321712942 321712943 321712944 321712945 321712946 321712947 321712948 321713460 321713461 321713462 321713463	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA379Y	E	321712949 321712950 321712951 321712952 321712953 321712954	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		321712955 321712956 321712957 321712958 321712959 321712960 321712961 321712962 321713464 321713465 321713466 321713467 321713468 321713469 321713470 321713471						
DA379Y	E	321712963 321712964 321712965 321712966 321712967 321712968 321712969 321713472 321713473 321713474 321713475	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA379Z	E	321712970 321712971 321712972 321712973 321712974 321712975 321712976 321713476 321713477 321713478 321713479	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA379Z	E	321712977 321712978 321712979 321712980 321712981 321712982 321712983 321712984 321712985 321712986 321712987 321712988 321712989 321712990 321713480 321713481 321713482 321713483 321713484 321713485 321713486 321713487	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA379Z	E	321712991 321712992 321712993 321712994 321712995 321712996 321712997 321713488 321713489 321713490 321713491	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA423Y	E	321712998 321712999	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		321713000 321713001 321713002 321713003 321713004 321713492 321713493 321713494 321713495						
DA423Y	E	321713005 321713006 321713007 321713008 321713009 321713010 321713011 321713012 321713013 321713014 321713015 321713016 321713017 321713018 321713496 321713497 321713498 321713499 321713500 321713501 321713502 321713503	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA423Y	E	321713019 321713020 321713021 321713022 321713023 321713024 321713025 321713504 321713505 321713506 321713507	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA423Z	E	321713026 321713027 321713028 321713029 321713030 321713031 321713032 321713508 321713509 321713510 321713511	17.95-18.2	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA423Z	E	321713033 321713034 321713035 321713036 321713037 321713038 321713039 321713040 321713041 321713042 321713043 321713044 321713045 321713046 321713512 321713513 321713514 321713515 321713516 321713517	17.7-17.95	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		321713518 321713519						
DA423Z	E	321713047 321713048 321713049 321713050 321713051 321713052 321713053 321713520 321713521 321713522 321713523	18.2-18.6	57 - 128	3, 550	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DTTCY	E	321713138	18.55-18.6	57 - 128	550	TABLE 22-1B	Pass	Favorable
DTTCZ	E	321713139	18.55-18.6	57 - 128	550	TABLE 22-1B	Pass	Favorable
UA379Y	R	321712418 321712419 321712420 321713140 321713141 321713142 321713143	17.3-17.7	57 - 128	2	TABLE 22-2	Pass	Favorable
UA379Z	R	321712421 321712422 321712423 321713148 321713149 321713150 321713151	17.3-17.7	57 - 128	2	TABLE 22-2	Pass	Favorable
UA423Y	R	321712424 321712425 321712426 321713144 321713145 321713146 321713147	17.3-17.7	57 - 128	2	TABLE 22-2	Pass	Favorable
UA423Z	R	321712427 321712428 321712429 321713152 321713153 321713154 321713155	17.3-17.7	57 - 128	2	TABLE 22-2	Pass	Favorable
UB379Y	R	321712430 321712431 321712432 321713156 321713157 321713158 321713159	17.3-17.7	57 - 128	2	TABLE 22-2	Pass	Favorable
UB379Z	R	321712433 321712434 321712435 321713160 321713161 321713162 321713163	17.3-17.7	57 - 128	2	TABLE 22-2	Pass	Favorable
UB423Y	R	321712436 321712437 321712438 321713164 321713165 321713166 321713167	17.3-17.7	57 - 128	2	TABLE 22-2	Pass	Favorable
UB423Z	R	321712439 321712440 321712441 321713168 321713169 321713170 321713171	17.3-17.7	57 - 128	2	TABLE 22-2	Pass	Favorable
UC283Y	R	321712442 321712443	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable

		321712444 321712445 321712446 321712447 321712448 321713172 321713173 321713174 321713175						
UC283Z	R	321712449 321712450 321712451 321712452 321712453 321712454 321712455 321713176 321713177 321713178 321713179	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC299Y	R	321712456 321712457 321712458 321712459 321712460 321712461 321712462 321713180 321713181 321713182 321713183	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC299Z	R	321712463 321712464 321712465 321712466 321712467 321712468 321712469 321713184 321713185 321713186 321713187	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC319Y	R	321712470 321712471 321712472 321712473 321712474 321712475 321712476 321713188 321713189 321713190 321713191	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC319Z	R	321712477 321712478 321712479 321712480 321712481 321712482 321712483 321713192 321713193 321713194 321713195	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC344Y	R	321712484 321712485 321712486 321712487 321712488 321712489 321712490 321713196 321713197	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable

		321713198 321713199						
UC344Z	R	321712491 321712492 321712493 321712494 321712495 321712496 321712497 321713200 321713201 321713202 321713203	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC379Y	R	321712498 321712499 321712500 321712501 321712502 321712503 321712504 321713204 321713205 321713206 321713207	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC379Z	R	321712505 321712506 321712507 321712508 321712509 321712510 321712511 321713208 321713209 321713210 321713211	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC423Y	R	321712512 321712513 321712514 321712515 321712516 321712517 321712518 321713212 321713213 321713214 321713215	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UC423Z	R	321712519 321712520 321712521 321712522 321712523 321712524 321712525 321713216 321713217 321713218 321713219	27.5-28.6	57 - 128	2	TABLE 22-2	Pass	Favorable
UE283Y	R	321712610 321712611 321712612 321712613 321712614 321712615 321712616 321713268 321713269 321713270 321713271	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE283Z	R	321712617 321712618 321712619 321712620 321712621	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable

		321712622 321712623 321713272 321713273 321713274 321713275						
UE299Y	R	321712624 321712625 321712626 321712627 321712628 321712629 321712630 321713276 321713277 321713278 321713279	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE299Z	R	321712635 321712636 321712637 321712638 321712639 321712640 321712641 321713280 321713281 321713282 321713283	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE319Y	R	321712646 321712647 321712648 321712649 321712650 321712651 321712652 321713284 321713285 321713286 321713287	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE319Z	R	321712653 321712654 321712655 321712656 321712657 321712658 321712659 321713288 321713289 321713290 321713291	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE344Y	R	321712660 321712661 321712662 321712663 321712664 321712665 321712666 321713292 321713293 321713294 321713295	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE344Z	R	321712667 321712668 321712669 321712670 321712671 321712672 321712673 321713296 321713297 321713298 321713299	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE379Y	R	321712674	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable

		321712675 321712676 321712677 321712678 321712679 321712680 321713300 321713301 321713302 321713303						
UE379Z	R	321712685 321712686 321712687 321712688 321712689 321712690 321712691 321713304 321713305 321713306 321713307	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE423Y	R	321712696 321712697 321712698 321712699 321712700 321712701 321712702 321713308 321713309 321713310 321713311	29.5-30	57 - 128	2	TABLE 22-2	Pass	Favorable
UE423Z	R	321712703 321712704 321712705 321712706 321712707 321712708 321712709 321713312 321713313 321713314 321713315	29.5-30	57 - 128	2	TABLE 22-2	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.