

Description of EPFD validation and results of examination

Input parameters

Mask link data

Mask Id.	Direction	Minimum frequency, MHz	Maximum frequency, MHz	Linked orbits id
1	↔	10700	20200	All
2	↑	27500	30000	All
3	↓	17800	18600	All
4	↓	19700	20200	All
5	↑	12750	14500	All
6	↓	10700	12750	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)	15

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
8425/8425/46	No keeping	Default
8465/8465/45.5		
8505/8505/44.9		
8545/8545/44.4		
8435/8435/45.9		
8475/8475/45.3		
8515/8515/44.8		
8555/8555/44.3		
8445/8445/45.7		
8485/8485/45.2		
8525/8525/44.7		
8565/8565/44.1		
8455/8455/45.6		
8495/8495/45.1		
8535/8535/44.5		
8575/8575/44		

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
6.74E-07	1217	100

Downlink

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

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
MR1	R	317857425 / 117679491 317857426 / 117679492 317857427 / 117679493 317857428 / 117679494 317857429 / 117679495	12.75-14.5	1 - 16	5	TABLE 22-2	Fail	Unfavorable
MR11	R	317857430 / 117679506 317857431 / 117679507 317857432 / 117679508 317857433 / 117679509 317857434 / 117679510	27.5-30	1 - 16	2	TABLE 22-2	Pass	Favorable

MR11	R	317857435 / 117679523	29.5-30	1 - 16	2	TABLE 22-2	Pass	Favorable
MR12	R	317857436 / 117679511 317857437 / 117679512 317857438 / 117679513 317857439 / 117679514 317857440 / 117679515	27.5-30	1 - 16	2	TABLE 22-2	Pass	Favorable
MR13	R	317857441 / 117679516 317857442 / 117679517 317857443 / 117679518 317857444 / 117679519 317857445 / 117679520	27.5-30	1 - 16	2	TABLE 22-2	Pass	Favorable
MR2	R	317857446 / 117679496 317857447 / 117679497 317857448 / 117679498 317857449 / 117679499 317857450 / 117679500	12.75-14.5	1 - 16	5	TABLE 22-2	Fail	Unfavorable
MR3	R	317857451 / 117679501 317857452 / 117679502 317857453 / 117679503 317857454 / 117679504 317857455 / 117679505	12.75-14.5	1 - 16	5	TABLE 22-2	Fail	Unfavorable
MT1	E	317857260 / 117679446 317857261 / 117679447 317857262 / 117679448 317857263 / 117679449 317857264 / 117679450	10.7-11.7	1 - 16	1, 6	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
MT1	E	317857265 / 117679461 317857266 / 117679462 317857267 / 117679463 317857268 / 117679464 317857269 / 117679465 317857275 / 117688733 317857284 / 117688742 317857285 / 117688743 317857286 / 117688744 317857287 / 117688745	12.2-12.45	1 - 16	6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass PASS Pass Pass	Favorable
MT1	E	317857270 / 117688728 317857276 / 117688734 317857277 / 117688735 317857278 / 117688736 317857279 / 117688737	11.7-12.75	1 - 16	1, 6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass PASS Pass PASS PASS	Favorable
MT1	E	317857271 / 117688729 317857273 / 117688731 317857274 / 117688732 317857280 / 117688738 317857281 / 117688739 317857282 / 117688740 317857283 / 117688741 317857288 / 117688754 317857289 / 117688755 317857290 / 117688756 317857291 / 117688757 317857292 / 117688758 317857293 / 117688759 317857294 / 117688760 317857295 / 117688761	12.45-12.7	1 - 16	1, 6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass PASS Pass PASS PASS	Favorable
MT1	E	317857272 / 117688730 317857296 / 117689337 317857297 / 117689338 317857298 / 117689339 317857299 / 117689340	11.7-12.2	1 - 16	6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass PASS Pass PASS	Favorable
MT11	E	317857300 / 117679476 317857301 / 117679477 317857302 / 117679478 317857303 / 117679479 317857304 / 117679480	17.8-20.2	1 - 16	1, 3, 4	TABLE 22-1B TABLE 22-3 TABLE 22-1C	Pass Pass Pass	Favorable
MT11	E	317857305 / 117688823 317857306 / 117688824 317857307 / 117688825 317857308 / 117688826 317857309 / 117688827 317857310 / 117688828 317857311 / 117688829	17.7-17.95	1 - 16	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		317857312 / 117688830 317857313 / 117688831 317857314 / 117688832						
MT12	E	317857315 / 117679481 317857316 / 117679482 317857317 / 117679483 317857318 / 117679484 317857319 / 117679485	17.8-20.2	1 - 16	1, 3, 4	TABLE 22-1B TABLE 22-3 TABLE 22-1C	Pass Pass Pass	Favorable
MT12	E	317857320 / 117688837 317857321 / 117688838 317857322 / 117688839 317857323 / 117688840 317857324 / 117688841 317857325 / 117688842 317857326 / 117688843 317857327 / 117688844 317857328 / 117688845 317857329 / 117688846	17.7-17.95	1 - 16	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
MT13	E	317857330 / 117679486 317857331 / 117679487 317857332 / 117679488 317857333 / 117679489 317857334 / 117679490	17.8-20.2	1 - 16	1, 3, 4	TABLE 22-1B TABLE 22-3 TABLE 22-1C	Pass Pass Pass	Favorable
MT13	E	317857335 / 117688851 317857336 / 117688852 317857337 / 117688853 317857338 / 117688854 317857339 / 117688855 317857340 / 117688856 317857341 / 117688857 317857342 / 117688858 317857343 / 117688859 317857344 / 117688860	17.7-17.95	1 - 16	1, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
MT2	E	317857345 / 117679451 317857346 / 117679452 317857347 / 117679453 317857348 / 117679454 317857349 / 117679455	10.7-11.7	1 - 16	1, 6	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
MT2	E	317857350 / 117679466 317857351 / 117679467 317857352 / 117679468 317857353 / 117679469 317857354 / 117679470 317857365 / 117688772 317857366 / 117688773 317857367 / 117688774 317857368 / 117688775 317857369 / 117688776	12.2-12.45	1 - 16	6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass PASS Pass PASS	Favorable
MT2	E	317857355 / 117688762 317857356 / 117688763 317857357 / 117688764 317857358 / 117688765 317857359 / 117688766	11.7-12.75	1 - 16	1, 6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass PASS Pass PASS PASS	Favorable
MT2	E	317857360 / 117688767 317857361 / 117688768 317857362 / 117688769 317857363 / 117688770 317857364 / 117688771 317857370 / 117688777 317857371 / 117688778 317857372 / 117688779 317857373 / 117688780 317857374 / 117688781 317857375 / 117688782 317857376 / 117688783 317857377 / 117688784 317857378 / 117688785 317857379 / 117688786	12.45-12.7	1 - 16	1, 6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass PASS Pass PASS PASS	Favorable
MT2	E	317857380 / 117689341 317857381 / 117689342 317857382 / 117689343 317857383 / 117689344 317857384 / 117689345	11.7-12.2	1 - 16	6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass PASS Pass PASS	Favorable

MT3	E	317857385 / 117679456 317857386 / 117679457 317857387 / 117679458 317857388 / 117679459 317857389 / 117679460	10.7-11.7	1 - 16	1, 6	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
MT3	E	317857390 / 117679471 317857391 / 117679472 317857392 / 117679473 317857393 / 117679474 317857394 / 117679475 317857405 / 117688808 317857406 / 117688809 317857407 / 117688810 317857408 / 117688811 317857409 / 117688812	12.2-12.45	1 - 16	6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass PASS Pass PASS	Favorable
MT3	E	317857395 / 117688798 317857396 / 117688799 317857397 / 117688800 317857398 / 117688801 317857399 / 117688802	11.7-12.75	1 - 16	1, 6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass PASS Pass PASS PASS	Favorable
MT3	E	317857400 / 117688803 317857401 / 117688804 317857402 / 117688805 317857403 / 117688806 317857404 / 117688807 317857410 / 117688813 317857411 / 117688814 317857412 / 117688815 317857413 / 117688816 317857414 / 117688817 317857415 / 117688818 317857416 / 117688819 317857417 / 117688820 317857418 / 117688821 317857419 / 117688822	12.45-12.7	1 - 16	1, 6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass PASS Pass PASS PASS	Favorable
MT3	E	317857420 / 117689346 317857421 / 117689347 317857422 / 117689348 317857423 / 117689349 317857424 / 117689350	11.7-12.2	1 - 16	6	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	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). PASS (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.