

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	↓	17800	18600	103 - 108
2	↓	17800	18600	109 – 128
3	↓	19700	20200	103 – 108
4	↓	19700	20200	109 – 128
5	↔	17800	18600	103 – 108
6	↔	17800	18600	109 – 128
7	↑	27500	30000	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)	4.5

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1000/1000/99.5 1350/1350/50	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
1E-06	560	1

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	12

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
LGSA1	R	319799333 319799334 319799335 319799336 319799337 319799338	27.5-29.1	103 - 128	7	TABLE 22-2	Pass	Favorable
LGSA2	R	319799339 319799340 319799341 319799342 319799343 319799344	29.5-30	103 - 128	7	TABLE 22-2	Pass	Favorable
LMSA1	R	319799369 319799370 319799371 319799372 319799373 319799374	27.5-29.1	103 - 128	7	TABLE 22-2	Pass	Favorable
LMSA2	R	319799375 319799376 319799377 319799378	29.5-30	103 - 128	7	TABLE 22-2	Pass	Favorable

		319799379 319799380						
LPSA1	R	319799405 319799406 319799407 319799408 319799409 319799410	27.5-29.1	103 - 128	7	TABLE 22-2	Pass	Favorable
LPSA2	R	319799411 319799412 319799413 319799414 319799415 319799416	29.5-30	103 - 128	7	TABLE 22-2	Pass	Favorable
LGSA1 3	E	319799441 319799442 319799443 319799444 319799445 319799446	17.8-18.1	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LGSA2 13	E	319799459 319799460 319799461 319799462 319799463 319799464	18.1-18.6	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LGSA2 2	E	319799471 319799472 319799473 319799474	19.7-20.2	103 - 128	3, 4	TABLE 22-1C	Pass	Favorable
LGSE2 18	E	319799453 319799454 319799455 319799456 319799457 319799458	18.1-18.6	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LGSE2 2	E	314754978 314754980 314754982 314754984 314754986 314754988	19.7-20.2	-	3, 4	TABLE 22-1C	Pass	N/A
LMSA1 3	E	319799509 319799510 319799511 319799512 319799513 319799514	17.8-18.1	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LMSA2 13	E	319799581 319799582 319799583 319799584 319799585 319799586	18.1-18.6	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LMSA2 2	E	319799617 319799618 319799619 319799620 319799621 319799622	19.7-20.2	103 - 128	3, 4	TABLE 22-1C	Pass	Favorable
LMSE2 18	E	319799521 319799522 319799523 319799524 319799525 319799526	18.1-18.6	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LPSA1 3	E	319799635 319799636 319799637 319799638 319799639 319799640	17.8-18.1	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

LPSA2 13	E	319799527 319799528 319799529 319799530 319799531 319799532	18.1-18.6	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LPSA2 2	E	319799539 319799540 319799541 319799542 319799543 319799544	19.7-20.2	103 - 128	3, 4	TABLE 22-1C	Pass	Favorable
LPSE2 18	E	319799647 319799648 319799649 319799650 319799651 319799652	18.1-18.6	103 - 128	1, 2, 5, 6	TABLE 22-1B TABLE 22-3	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.