

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	↑	28500	29500	All
2	↑	29500	29900	All
3	↓	18800	19800	All
4	↓	19800	19860	All
5	↓	19868	19928	All
6	↓	19936	19996	All
7	↓	20004	20064	All
8	↓	20072	20132	All
9	↓	20140	20200	All
10	↓	19800	19860	All
11	↓	19868	19928	All
12	↓	19936	19996	All
13	↓	20004	20064	All
14	↓	20072	20132	All
15	↓	20140	20200	All
16	↓	19800	19860	All
17	↓	19868	19928	All
18	↓	19936	19996	All
19	↓	20004	20064	All
20	↓	20072	20132	All
21	↓	20140	20200	All
22	↓	19800	19860	All
23	↓	19868	19928	All
24	↓	19936	19996	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	35

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1040/1040/80	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
7.5E-05	999.9	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
UU1, UU2, UU3, UU4	R	29500	29900	20
FU1, FU2, FU3, FU4	R	28500	29500	10
UD1, UD2, UD3, UD4	E	19800	20200	20
FD1, FD2, FD3, FD4	E	18800	19800	10

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>
FU1	R	318749762 / 118619772 318749763 / 118619843	28.5-29.5	1 - 13	1	TABLE 22-2	Pass	Favorable
FU2	R	318749764 / 118619779 318749765 / 118619844	28.5-29.5	1 - 13	1	TABLE 22-2	Pass	Favorable
FU3	R	318749766 / 118619780 318749767 / 118619845	28.5-29.5	1 - 13	1	TABLE 22-2	Pass	Favorable
FU4	R	318749768 / 118619781 318749769 / 118619846	28.5-29.5	1 - 13	1	TABLE 22-2	Pass	Favorable
UU1	R	318749770 / 118619785 318749771 / 118619798 318749772 / 118619799 318749773 / 118619800	29.5-29.9	1 - 13	2	TABLE 22-2	Pass	Favorable
UU2	R	318749774 / 118619773 318749775 / 118619801 318749776 / 118619802 318749777 / 118619803	29.5-29.9	1 - 13	2	TABLE 22-2	Pass	Favorable
UU3	R	318749778 / 118619774 318749779 / 118619804 318749780 / 118619805 318749781 / 118619806	29.5-29.9	1 - 13	2	TABLE 22-2	Pass	Favorable
UU4	R	318749782 / 118619775 318749783 / 118619807 318749784 / 118619808 318749785 / 118619809	29.5-29.9	1 - 13	2	TABLE 22-2	Pass	Favorable
FD1	E	318749738 / 118619771 318749739 / 118619842	18.8-19.8	1 - 13	3	TABLE 22-1C	Pass	Favorable
FD2	E	318749740 / 118619782 318749741 / 118619847	18.8-19.8	1 - 13	3	TABLE 22-1C	Pass	Favorable
FD3	E	318749742 / 118619783 318749743 / 118619848	18.8-19.8	1 - 13	3	TABLE 22-1C	Pass	Favorable
FD4	E	318749744 / 118619784 318749745 / 118619849	18.8-19.8	1 - 13	3	TABLE 22-1C	Pass	Favorable
UD1	E	318749746 / 118619770 318749747 / 118619786 318749748 / 118619787 318749749 / 118619788	19.8-20.2	1 - 13	4 - 24	TABLE 22-1C	N/A	N/A
UD2	E	318749750 / 118619776 318749751 / 118619789 318749752 / 118619790 318749753 / 118619791	19.8-20.2	1 - 13	4 - 24	TABLE 22-1C	N/A	N/A
UD3	E	318749754 / 118619777 318749755 / 118619792 318749756 / 118619793 318749757 / 118619794	19.8-20.2	1 - 13	4 - 24	TABLE 22-1C	N/A	N/A
UD4	E	318749758 / 118619778 318749759 / 118619795 318749760 / 118619796 318749761 / 118619797	19.8-20.2	1 - 13	4 - 24	TABLE 22-1C	N/A	N/A

Notes:

- Findings are promulgated as favorable when all applicable limits in Article 22 are met for given group of frequency assignments in all applicable scenarios.
- 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.
- Qualified Favorable is established due to continuous application of Resolution 85 (WRC-03) on request by the notifying administration.