

## 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	↑	27500	30000	All
2	↔	17800	18400	All
3	↓	17800	18600	21 - 24
5	↓	17800	18600	25

#### 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)	2

##### Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
8062/8062/90 8062/8062/70 8062/8062/0	No keeping	Default

##### Uplink

A.4.b.7.b Earth station density (1/km <sup>2</sup> )	A.4.b.7.c Average distance (km)	A.4.b.7.a number of satellites receiving simultaneously
2.8182E-07	1883	1

##### 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
MMSR11	R	319667134 319667135 319667136 319667137 319667138 319667139	27.5-29.1	20 - 24	1	TABLE 22-2	Pass	Favorable
MMSR21	R	319667140 319667141 319667142 319667143 319667144 319667145	29.5-30	20 - 24	1	TABLE 22-2	Pass	Favorable
R3R1	R	319667176 319667178 319667180	27.5-28.6	20 - 24	1	TABLE 22-2	Pass	Favorable
R3R1	R	319667177 319667179 319667181	29.5-30	20 - 24	1	TABLE 22-2	Pass	Favorable
R4R1	R	319667194 319667196 319667198	27.5-28.6	20 - 24	1	TABLE 22-2	Pass	Favorable

R4R1	R	319667195 319667197 319667199	29.5-30	20 - 24	1	TABLE 22-2	Pass	Favorable
MMSE11	E	319667040 319667041 319667042 319667043 319667044 319667045	17.8-18.1	20 - 24	2, 3, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
MMSE21	E	319667046 319667047 319667048 319667049 319667050 319667051	18.1-18.6	21 - 24	2, 3, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
MMSE21	E	319667052 319667053 319667054 319667055 319667056 319667057	19.7-20.2	21 - 24		TABLE 22-1C	N/A	Qualified Favorable
T3R1	E	319667086 319667088 319667090	17.8-18.175	20	2, 3, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
T3R1	E	319667087 319667089 319667091	19.7-20.2	20		TABLE 22-1C	N/A	Qualified Favorable
T3R1	E	319667218 319667219 319667220	18.175-18.6	20	2, 3, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
T4R1	E	319667103 319667105 319667107	17.8-18.175	21 - 24	2, 3, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
T4R1	E	319667104 319667106 319667108	19.7-20.2	21 - 24		TABLE 22-1C	N/A	Qualified Favorable
T4R1	E	319667221 319667222 319667223	18.175-18.6	21 - 24	2, 3, 5	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.