

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	↓	17800	18600	All
2	↔	17800	18400	All
3	↓	19700	20200	All
4	↑	27500	28600	All
5	↑	14000	14500	All
6	↑	13750	14000	All
7	↑	29500	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)	22

In 14-14.5 GHz

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

In 13.75-14 GHz

A.4.b.7.d.1 Exclusion zone type	A.4.b.7.d.1 Exclusion zone size, degrees
Y - topocentric angle (earth based)	8

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
830/830/55 554.14/554.14/55	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
1.6E-05	250	16

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	16

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
LKTA, LKTb, RKTA, RKTb	R	13750	14000	30
LKUU, RKUU	R	14000	14500	30
LKAU, RKAU	R	27500	30000	35
LKAD, RKAD	E	17800	20200	30

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
LKAU	R	321769191 / 121737124	27.5-28.5	1 - 1250	4	TABLE 22-2	Pass	Favorable
LKAU	R	321769192 / 121737164	28.5-29.5	1 - 1250	4	TABLE 22-2	Pass	Favorable
LKAU	R	321769193 / 121737165	29.5-30	1 - 1250	7	TABLE 22-2	Pass	Favorable
LKUU	R	321769196 / 121737123 321769197 / 121737150	14-14.5	1 - 1250	5	TABLE 22-2	Pass	Favorable
RKAU	R	321769198 / 121737149	27.5-28.5	1 - 1250	4	TABLE 22-2	Pass	Favorable
RKAU	R	321769199 / 121737166	28.5-29.5	1 - 1250	4	TABLE 22-2	Pass	Favorable

RKAU	R	321769200 / 121737167	29.5-30	1 - 1250	7	TABLE 22-2	Pass	Favorable
RKUU	R	321769203 / 121737148 321769204 / 121737151	14-14.5	1 - 1250	5	TABLE 22-2	Pass	Favorable
LKAD	E	321769185 / 121737125	19.7-20.2	1 - 1250	3	TABLE 22-1C	Pass	Favorable
LKAD	E	321769186 / 121737137	18.3-18.6	1 - 1250	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LKAD	E	321769187 / 121737138	17.8-18.3	1 - 1250	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
RKAD	E	321769188 / 121737140	19.7-20.2	1 - 1250	3	TABLE 22-1C	Pass	Favorable
RKAD	E	321769189 / 121737144	18.3-18.6	1 - 1250	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
RKAD	E	321769190 / 121737145	17.8-18.3	1 - 1250	1, 2	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
LKTA	R	321769194 / 121737127	13.75-14	1 - 1250	6	TABLE 22-2	Fail	Unfavorable
LKTB	R	321769195 / 121737129	13.75-14	1 - 1250	6	TABLE 22-2	Fail	Unfavorable
RKTA	R	321769201 / 121737126	13.75-14	1 - 1250	6	TABLE 22-2	Fail	Unfavorable
RKTB	R	321769202 / 121737128	13.75-14	1 - 1250	6	TABLE 22-2	Fail	Unfavorable

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.