

Description of EPFD validation and results of examination

Input parameters

Mask link data

<i>Mask Id.</i>	<i>Direction</i>	<i>Minimum frequency, MHz</i>	<i>Maximum frequency, MHz</i>	<i>Linked orbit IDs / Satellite IDs</i>
1	↑	29500	30000	1 - 24 (sat IDs: All)
2	↑	27500	28600	1 - 24 (sat IDs: All)
3	↑	17300	18100	1 - 24 (sat IDs: All)
4	↔	17800	18400	1 - 24 (sat IDs: All)
5	↓	17800	18600	1 - 12 (sat IDs: All)
6	↓	19700	20200	1 - 12 (sat IDs: All)
7	↓	17800	18600	13 - 24 (sat IDs: All)
8	↓	19700	20200	13 - 24 (sat IDs: All)
9	↓	10700	12700	1 - 12 (sat IDs: All)
10	↓	10700	12700	13 - 24 (sat IDs: All)
11	↔	10700	12700	1 - 24 (sat IDs: All)
12	↑	12500	14500	1 - 24 (sat IDs: All)

Common SNS Data

Common

<i>A.4.b.7.d.1 Exclusion zone type</i>	<i>A.4.b.7.d.1 Exclusion zone size, degrees</i>
Y - topocentric angle (earth based)	10

Orbits

<i>Apogee/Perigee/Inclination</i>	<i>A.4.b.6.d Uses station keeping</i>	<i>A.4.b.6.e Uses specific precession</i>
720/720/53 700/700/97	No keeping	Default

Uplink

<i>A.4.b.7.b Earth station density (1/km²)</i>	<i>A.4.b.7.c Average distance (km)</i>	<i>A.4.b.7.a number of satellites receiving simultaneously</i>
1	0	1

Downlink

<i>A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range</i>		
<i>From latitude</i>	<i>To latitude</i>	<i>Number</i>

-90	90	3
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Group table

<i>Beam(s)</i>	<i>Direction</i>	<i>Minimum frequency, MHz</i>	<i>Maximum frequency, MHz</i>	<i>A.4.b.7.cbis Minimum elevation angle</i>
KUG	R	12750	14500	5
KALFR2	R	17800	18100	5
KALFR1R3	R	17300	18100	5
KAHFE	R	27500	30000	5
KUG2	E	11700	12700	5
KUG	E	10700	11700	5
KALF	E	17700	18600	5

Results

<i>B1A Beam designation</i>	<i>B2 Emi-Rcp</i>	<i>BR7a Group id./ 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>
KAHFE	R	322774139 / 122672435	27.5-28.6	1 - 24	2	TABLE 22-2	Pass	Favorable
KAHFE	R	322774140 / 122672436	29.5-30	1 - 24	1	TABLE 22-2	Pass	Favorable
KALFR1R3	R	322774141 / 122672438	17.3-18.1	1 - 24	3	TABLE 22-2	Pass	Favorable
KALFR2	R	322774142 / 122672439	17.8-18.1	1 - 24	3	TABLE 22-2	Pass	Favorable
KUG	R	322774143 / 122672440	13.75-14	1 - 24	12	TABLE 22-2	Pass	Favorable
KUG	R	322774144 / 122672441	14-14.5	1 - 24	12	TABLE 22-2	Pass	Favorable
KUG	R	322774145 / 122672442	12.75- 13.25	1 - 24	12	TABLE 22-2	Pass	Favorable
KALF	E	322774135 / 122672425	17.7-18.6	1 - 24	4, 5, 7	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KALF	E	322774136 / 122672445	17.8-18.6	1 - 24	4, 5, 7	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KUG	E	322774137 / 122672427	10.7-11.7	1 - 24	9 - 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUG2	E	322774138 / 122672428	11.7-12.7	1 - 24	9 - 11	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass N/A	Favorable

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.