

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 - 70 (sat IDs: All)
2	↓	19700	20200	1 - 70 (sat IDs: All)
3	↓	17800	18600	1 - 70 (sat IDs: All)
4	↔	17800	18400	All
5	↑	29500	30000	71 (sat IDs: All)
6	↓	19700	20200	71 (sat IDs: All)
7	↓	17800	18600	71 (sat IDs: All)
8	↑	29500	30000	72 - 91 (sat IDs: All)
9	↓	19700	20200	72 - 91 (sat IDs: All)
10	↓	17800	18600	72 - 91 (sat IDs: All)
11	↑	27500	28600	1 - 70 (sat IDs: All)
12	↑	27500	28600	71 (sat IDs: All)
13	↑	27500	28600	72 - 91 (sat IDs: All)

Common SNS Data

Common

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

Orbits

<i>Apogee/Perigee/Inclination</i>	<i>A.4.b.6.d</i> <i>Uses station keeping</i>	<i>A.4.b.6.e</i> <i>Uses specific precession</i>
500/500/53 550/550/98	No keeping	Default

Uplink

<i>A.4.b.7.b</i> <i>Earth station density (1/km²)</i>	<i>A.4.b.7.c</i> <i>Average distance (km)</i>	<i>A.4.b.7.a</i> <i>number of satellites receiving simultaneously</i>
2.5E-07	4000	4

Downlink

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

<i>From latitude</i>	<i>To latitude</i>	<i>Number</i>
-90	-60	1
-60	-50	2
-50	-40	4
-40	-30	4
-30	-20	4
-20	10	4
10	20	4
20	30	4
30	40	4
40	50	4

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>
KAUP1, KAUP2	R	27500	30000	5
KADOWN1, KADOWN2	E	17800	20200	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>
KAUP1	R	321769125 / 121723593 321769126 / 121723613 321769127 / 121723614 321769128 / 121723615 321769129 / 121723616 321769130 / 121723617 321769131 / 121723618 321769132 / 121723619 321769133 / 121723620 321769134 / 121723621	27.5-28.6	1 - 91	11 - 13	TABLE 22-2	Pass	Favorable
KAUP1	R	321769135 / 121723732 321769136 / 121723742 321769137 / 121723744 321769138 / 121723746 321769139 / 121723748 321769140 / 121723750 321769141 / 121723752 321769142 / 121723754 321769143 / 121723756 321769144 / 121723758	29.5-30	1 - 91	1, 5, 8	TABLE 22-2	Pass	Favorable
KAUP2	R	321769145 / 121723595 321769146 / 121723622 321769147 / 121723623 321769148 / 121723624 321769149 / 121723625 321769150 / 121723626 321769151 / 121723627 321769152 / 121723628 321769153 / 121723629 321769154 / 121723630	27.5-28.6	1 - 91	11 - 13	TABLE 22-2	Pass	Favorable
KAUP2	R	321769155 / 121723737 321769156 / 121723760 321769157 / 121723762 321769158 / 121723764 321769159 / 121723766 321769160 / 121723768 321769161 / 121723770 321769162 / 121723772 321769163 / 121723774 321769164 / 121723776	29.5-30	1 - 91	1, 5, 8	TABLE 22-2	Pass	Favorable
KADOWN1	E	321769065 / 121723594 321769066 / 121723671 321769067 / 121723672 321769068 / 121723673 321769069 / 121723674 321769070 / 121723675	17.8-18.1	1 - 91	3, 4, 7, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		321769071 / 121723676 321769072 / 121723677 321769073 / 121723678 321769074 / 121723679						
KADOWN1	E	321769075 / 121723733 321769077 / 121723777 321769079 / 121723780 321769081 / 121723783 321769083 / 121723786 321769085 / 121723789 321769087 / 121723792 321769089 / 121723795 321769091 / 121723798 321769093 / 121723801	18.1-18.6	1 - 91	3, 4, 7, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADOWN1	E	321769076 / 121723735 321769078 / 121723779 321769080 / 121723782 321769082 / 121723785 321769084 / 121723788 321769086 / 121723791 321769088 / 121723794 321769090 / 121723797 321769092 / 121723800 321769094 / 121723803	19.7-20.2	1 - 91	2, 6, 9	TABLE 22-1C	Pass	Favorable
KADOWN2	E	321769095 / 121723596 321769096 / 121723700 321769097 / 121723701 321769098 / 121723702 321769099 / 121723703 321769100 / 121723704 321769101 / 121723705 321769102 / 121723706 321769103 / 121723707 321769104 / 121723708	17.8-18.1	1 - 91	3, 4, 7, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADOWN2	E	321769105 / 121723738 321769107 / 121723804 321769109 / 121723807 321769111 / 121723810 321769113 / 121723813 321769115 / 121723816 321769117 / 121723819 321769119 / 121723822 321769121 / 121723825 321769123 / 121723828	18.1-18.6	1 - 91	3, 4, 7, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADOWN2	E	321769106 / 121723740 321769108 / 121723806 321769110 / 121723809 321769112 / 121723812 321769114 / 121723815 321769116 / 121723818 321769118 / 121723821 321769120 / 121723824 321769122 / 121723827 321769124 / 121723830	19.7-20.2	1 - 91	2, 6, 9	TABLE 22-1C	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.