

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	↓	10700	12750	All
2	↓	17800	18600	All
3	↓	19700	20200	All
5	↑	12750	13250	All
6	↑	13750	14500	All
7	↑	27500	28600	All
8	↑	29500	30000	All
11	↔	10700	11700	All
12	↔	12200	12750	All
13	↔	17800	18600	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	10

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
315/315/30	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
5E-06	500	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
KUU3	R	13750	14000	10
KUU1, KUU2	R	12750	14500	10
KAU1, KAU2, KAU3	R	27500	30000	10
KUD1, KUD2	E	10700	12750	10
KAD1, KAD2, KAD3	E	17700	20200	10

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
KAU1	R	321775218 / 121758841 321775219 / 121758842 321775220 / 121758843 321775221 / 121758844	27.5-28.5	1 - 23	7	TABLE 22-2	Pass	Favorable
KAU1	R	321775222 / 121758845 321775223 / 121758846	29.5-30	1 - 23	8	TABLE 22-2	Pass	Favorable
KAU1	R	321775224 / 121759043 321775225 / 121759044 321775226 / 121759045 321775227 / 121759046	28.5-29.1	1 - 23	7	TABLE 22-2	Pass	Favorable
KAU2	R	321775228 / 121758851 321775229 / 121758852	27.5-28.5	1 - 23	7	TABLE 22-2	Pass	Favorable

		321775230 / 121758853 321775231 / 121758854						
KAU2	R	321775232 / 121758855 321775233 / 121758856	29.5-30	1 - 23	8	TABLE 22-2	Pass	Favorable
KAU2	R	321775234 / 121759047 321775235 / 121759048 321775236 / 121759049 321775237 / 121759050	28.5-29.1	1 - 23	7	TABLE 22-2	Pass	Favorable
KAU3	R	321775238 / 121758879 321775239 / 121758880 321775240 / 121758881 321775241 / 121758882	27.5-28.5	1 - 23	7	TABLE 22-2	Pass	Favorable
KAU3	R	321775242 / 121758883 321775243 / 121758884	29.5-30	1 - 23	8	TABLE 22-2	Pass	Favorable
KAU3	R	321775244 / 121759059 321775245 / 121759060 321775246 / 121759061 321775247 / 121759062	28.5-29.1	1 - 23	7	TABLE 22-2	Pass	Favorable
KUU1	R	321775248 / 121758965 321775249 / 121758966 321775250 / 121758967 321775251 / 121758968 321775252 / 121758969 321775253 / 121758970 321775254 / 121758971	12.75-13.25	1 - 23	5	TABLE 22-2	Pass	Favorable
KUU1	R	321775255 / 121759087 321775256 / 121759088 321775257 / 121759089 321775258 / 121759090 321775259 / 121759091 321775260 / 121759092	14-14.5	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU1	R	321775261 / 121759093	13.75-14.5	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU2	R	321775262 / 121758972 321775263 / 121758973 321775264 / 121758974 321775265 / 121758975 321775266 / 121758976 321775267 / 121758977 321775268 / 121758978	12.75-13.25	1 - 23	5	TABLE 22-2	Pass	Favorable
KUU2	R	321775269 / 121759094 321775270 / 121759095 321775271 / 121759096 321775272 / 121759097 321775273 / 121759098 321775274 / 121759099	14-14.5	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU2	R	321775275 / 121759100	13.75-14.5	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU3	R	321775276 / 121758983	13.75- 13.772	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU3	R	321775277 / 121758984	13.773- 13.779	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU3	R	321775278 / 121758985	13.778-14	1 - 23	6	TABLE 22-2	Pass	Favorable
KUU3	R	321775279 / 121758986	13.75-14	1 - 23	6	TABLE 22-2	Pass	Favorable
KAD1	E	321775106 / 121758821 321775107 / 121758822 321775108 / 121758823 321775109 / 121758824	17.7-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	321775110 / 121758825 321775111 / 121758826	19.7-20.2	1 - 23	3	TABLE 22-1C	Pass	Favorable
KAD1	E	321775112 / 121759027 321775113 / 121759029 321775114 / 121759031 321775115 / 121759033	18.1-18.6	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD1	E	321775116 / 121763433 321775117 / 121763434 321775118 / 121763435 321775119 / 121763436	17.8-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321775120 / 121758831 321775121 / 121758832 321775122 / 121758833 321775123 / 121758834	17.7-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321775124 / 121758835 321775125 / 121758836	19.7-20.2	1 - 23	3	TABLE 22-1C	Pass	Favorable

KAD2	E	321775126 / 121759035 321775127 / 121759037 321775128 / 121759039 321775129 / 121759041	18.1-18.6	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	321775130 / 121763437 321775131 / 121763438 321775132 / 121763439 321775133 / 121763440	17.8-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321775134 / 121758869 321775135 / 121758870 321775136 / 121758871 321775137 / 121758872	17.7-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321775138 / 121758873 321775139 / 121758874	19.7-20.2	1 - 23	3	TABLE 22-1C	Pass	Favorable
KAD3	E	321775140 / 121759051 321775141 / 121759053 321775142 / 121759055 321775143 / 121759057	18.1-18.6	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	321775144 / 121763441 321775145 / 121763442 321775146 / 121763443 321775147 / 121763444	17.8-18.2	1 - 23	2, 13	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KUD1	E	321775148 / 121758909 321775149 / 121758910 321775150 / 121758911 321775151 / 121758912 321775152 / 121758913 321775153 / 121758914 321775154 / 121758915	10.7-11.2	1 - 23	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD1	E	321775155 / 121758916 321775156 / 121758917 321775157 / 121758918 321775158 / 121758919 321775159 / 121758920 321775160 / 121758921 321775161 / 121758922	12.5-12.75	1 - 23	1, 12	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD1	E	321775162 / 121758923 321775163 / 121758924 321775164 / 121758925 321775165 / 121758926 321775166 / 121758927 321775167 / 121758928 321775168 / 121758929	11.7-12.2	1 - 23	1	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	N/A Pass N/A Pass	Favorable
KUD1	E	321775169 / 121758930 321775170 / 121758931 321775171 / 121758932 321775172 / 121758933 321775173 / 121758934 321775174 / 121758935 321775175 / 121758936	12.2-12.75	1 - 23	1, 12	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD1	E	321775176 / 121759073 321775177 / 121759074 321775178 / 121759075 321775179 / 121759076 321775180 / 121759077 321775181 / 121759078 321775182 / 121759079	11.2-11.7	1 - 23	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	321775183 / 121758937 321775184 / 121758938 321775185 / 121758939 321775186 / 121758940 321775187 / 121758941 321775188 / 121758942 321775189 / 121758943	10.7-11.2	1 - 23	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KUD2	E	321775190 / 121758944 321775191 / 121758945 321775192 / 121758946 321775193 / 121758947 321775194 / 121758948 321775195 / 121758949 321775196 / 121758950	12.5-12.75	1 - 23	1, 12	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD2	E	321775197 / 121758951 321775198 / 121758952	11.7-12.2	1 - 23	1	RR 22.5C4 RR 22.5C8	N/A Pass	Favorable

		321775199 / 121758953 321775200 / 121758954 321775201 / 121758955 321775202 / 121758956 321775203 / 121758957				TABLE 22-1A TABLE 22-1D	N/A Pass	
KUD2	E	321775204 / 121758958 321775205 / 121758959 321775206 / 121758960 321775207 / 121758961 321775208 / 121758962 321775209 / 121758963 321775210 / 121758964	12.2-12.75	1 - 23	1, 12	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KUD2	E	321775211 / 121759080 321775212 / 121759081 321775213 / 121759082 321775214 / 121759083 321775215 / 121759084 321775216 / 121759085 321775217 / 121759086	11.2-11.7	1 - 23	1, 11	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass 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.