

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	↓	19700	20200	All
2	↓	17700	18600	All
3	↔	17700	18400	All
4	↑	27500	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)	4

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1050/1050/89	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
4E-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	1

Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
S2KAU5R, S2KAU6R, S2KAU7R, S2KAU8R	R	27500	30000	10
S2KAD2R, S2KAD3R, S2KAD4R	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
S2KAU5R	R	121765052 121765053 121765054 121765055 121765056 121765057	27.5-28.5	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU5R	R	121765058 121765060 121765062 121765064 121765066 121765068	28.5-29.5	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU5R	R	121765059 121765061 121765063 121765065 121765067 121765069	29.5-30	1 - 12	4	TABLE 22-2	Pass	Favorable

S2KAU6R	R	121765070 121765071 121765072 121765073 121765074 121765075	27.5-28.5	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU6R	R	121765076 121765078 121765080 121765082 121765084 121765086	28.5-29.5	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU6R	R	121765077 121765079 121765081 121765083 121765085 121765087	29.5-30	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU7R	R	121765088 121765089 121765090 121765091 121765092 121765093	27.5-28.5	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU7R	R	121765094 121765096 121765098 121765100 121765102 121765104	28.5-29.5	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU7R	R	121765095 121765097 121765099 121765101 121765103 121765105	29.5-30	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU8R	R	121765106 121765107 121765108 121765109 121765110 121765111	27.5-28.5	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU8R	R	121765112 121765114 121765116 121765118 121765120 121765122	28.5-29.5	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAU8R	R	121765113 121765115 121765117 121765119 121765121 121765123	29.5-30	1 - 12	4	TABLE 22-2	Pass	Favorable
S2KAD2R	E	121764842 121764843 121764844 121764845 121764846 121764847 121764848 121764849	17.825-18.2	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
S2KAD2R	E	121764850 121764851 121764852 121764853 121764854 121764855 121764856 121764857	19.7-20.2	1 - 12	1	TABLE 22-1C	Pass	Favorable
S2KAD2R	E	121764858 121764859 121764860	17.7-17.825	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		121764861 121764862 121764863 121764864 121764865 121764866 121764867 121764868 121764869 121764870 121764871 121764872 121764873						
S2KAD2R	E	121764874 121764876 121764878 121764880 121764882 121764884 121764886 121764888	18.2-18.6	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
S2KAD3R	E	121764890 121764891 121764892 121764893 121764894 121764895 121764896 121764897	17.825-18.2	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
S2KAD3R	E	121764898 121764899 121764900 121764901 121764902 121764903 121764904 121764905	19.7-20.2	1 - 12	1	TABLE 22-1C	Pass	Favorable
S2KAD3R	E	121764906 121764907 121764908 121764909 121764910 121764911 121764912 121764913 121764914 121764915 121764916 121764917 121764918 121764919 121764920 121764921	17.7-17.825	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
S2KAD3R	E	121764922 121764924 121764926 121764928 121764930 121764932 121764934 121764936	18.2-18.6	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
S2KAD4R	E	121764938 121764939 121764940 121764941 121764942 121764943 121764944 121764945	17.825-18.2	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
S2KAD4R	E	121764946 121764947 121764948 121764949	19.7-20.2	1 - 12	1	TABLE 22-1C	Pass	Favorable

		121764950 121764951 121764952 121764953						
S2KAD4R	E	121764954 121764955 121764956 121764957 121764958 121764959 121764960 121764961 121764962 121764963 121764964 121764965 121764966 121764967 121764968 121764969	17.7-17.825	1 - 12	2, 3	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
S2KAD4R	E	121764970 121764972 121764974 121764976 121764978 121764980 121764982 121764984	18.2-18.6	1 - 12	2, 3	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.