

## 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	↑	27500	28600	All
2	↔	17800	18400	All
3	↓	17800	18600	All
4	↓	19700	20200	All
5	↑	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
N - satellite based angle	5

##### Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1175/1175/86.5	No keeping	Default

##### Uplink

A.4.b.7.b Earth station density (1/km <sup>2</sup> )	A.4.b.7.c Average distance (km)	A.4.b.7.a number of satellites receiving simultaneously
6E-05	999	1

##### Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	90	10

##### Group table

Beam(s)	Direction	Minimum frequency, MHz	Maximum frequency, MHz	A.4.b.7.cbis Minimum elevation angle
QU5, QU6	R	50400	51400	empty
QU3, QU4	R	47200	50200	empty
KAUA, KAUB, KAUC	R	27500	30000	empty
QD1, QD2	E	37500	42500	empty
KADA, KADB, KADC	E	17700	20200	empty

### 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
KAUA	R	119788763 119788765 119788766 119788767 119788880 119788882 119788883 119788884	27.5-28.5	1 - 18	1	TABLE 22-2	Pass	Favorable
KAUA	R	119788768 119788769 119788770 119788771 119788868 119788869 119788885 119788886	29.5-30	1 - 18	5	TABLE 22-2	Pass	Favorable
KAUA	R	119788820	28.5-29.1	1 - 18	1	TABLE 22-2	Pass	Favorable

		119788824 119788825 119788826 119788925 119788929 119788930 119788931						
KAUB	R	119788772 119788773 119788774 119788775 119788887 119788888 119788889 119788890	27.5-28.5	1 - 18	1	TABLE 22-2	Pass	Favorable
KAUB	R	119788776 119788777 119788778 119788779 119788870 119788871 119788891 119788892	29.5-30	1 - 18	5	TABLE 22-2	Pass	Favorable
KAUB	R	119788827 119788828 119788829 119788830 119788932 119788933 119788934 119788935	28.5-29.1	1 - 18	1	TABLE 22-2	Pass	Favorable
KAUC	R	119788780 119788781 119788782 119788783 119788893 119788894 119788895 119788896	27.5-28.5	1 - 18	1	TABLE 22-2	Pass	Favorable
KAUC	R	119788784 119788785 119788786 119788787 119788872 119788873 119788897 119788898	29.5-30	1 - 18	5	TABLE 22-2	Pass	Favorable
KAUC	R	119788831 119788832 119788833 119788834 119788936 119788937 119788938 119788939	28.5-29.1	1 - 18	1	TABLE 22-2	Pass	Favorable
QU3	R	119789009 119789010 119789011 119789012	47.2-50.2	1 - 18		22.5L	N/A	N/A
QU4	R	119789013 119789014 119789015 119789016	47.2-50.2	1 - 18		22.5L	N/A	N/A
QU5	R	119789017 119789018 119789019 119789020	50.4-51.4	1 - 18		22.5L	N/A	N/A
QU6	R	119789021 119789022 119789023 119789024	50.4-51.4	1 - 18		22.5L	N/A	N/A
KADA	E	119788764 119788788	17.7-18.2	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable

		119788789 119788790 119788881 119788899 119788900 119788901						
KADA	E	119788791 119788792 119788823 119788837 119788840 119788843 119788874 119788875 119788928 119788942 119788945 119788948	19.7-20.2	1 - 18	4	TABLE 22-1C	Fail	Unfavorable
KADA	E	119788821 119788835 119788838 119788841 119788926 119788940 119788943 119788946	18.1-18.6	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable
KADB	E	119788793 119788794 119788795 119788796 119788902 119788903 119788904 119788905	17.7-18.2	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable
KADB	E	119788797 119788798 119788846 119788849 119788852 119788855 119788876 119788877 119788951 119788954 119788957 119788960	19.7-20.2	1 - 18	4	TABLE 22-1C	Fail	Unfavorable
KADB	E	119788844 119788847 119788850 119788853 119788949 119788952 119788955 119788958	18.1-18.6	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable
KADC	E	119788799 119788800 119788801 119788802 119788906 119788907 119788908 119788909	17.7-18.2	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable
KADC	E	119788803 119788804 119788858 119788861 119788864 119788867 119788878 119788879 119788963 119788966 119788969	19.7-20.2	1 - 18	4	TABLE 22-1C	Fail	Unfavorable

		119788972						
KADC	E	119788856 119788859 119788862 119788865 119788961 119788964 119788967 119788970	18.1-18.6	1 - 18	2, 3	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable
QD1	E	119789001 119789002 119789003 119789004	37.5-42.5	1 - 18		22.5L	N/A	N/A
QD2	E	119789005 119789006 119789007 119789008	37.5-42.5	1 - 18		22.5L	N/A	N/A

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.