

## 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
5	↓	19700	20200	All
6	↓	17800	18600	All
7	↔	17800	18400	All
8	↑	27500	28600	All
9	↑	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
Y - topocentric angle (earth based)	0

##### Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
880/880/86	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
1	500	4

##### 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
KAU27	R	27500	30250	8
KAD18	E	17800	20200	8

### 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
KAU27	R	318749933 / 118658541 318749935 / 118658543 318749937 / 118658545 318749939 / 118658547 318749941 / 118658549 318749943 / 118658551	27.5-28.6	1 - 12	8	TABLE 22-2	Fail	Unfavorable
KAU27	R	318749934 / 118658542 318749936 / 118658544 318749938 / 118658546 318749940 / 118658548 318749942 / 118658550 318749944 / 118658552 318749946 / 118658554	29.5-30	1 - 12	9	TABLE 22-2	Fail	Unfavorable
KAU27	R	318749945 / 118658553 318749947 / 118658555	27.5-28.5	1 - 12	8	TABLE 22-2	Fail	Unfavorable
KAU27	R	318749948 / 118658556	29.25- 30.25	1 - 12	9	TABLE 22-2	Fail	Unfavorable
KAD18	E	318749911 / 118658581 318749913 / 118658583 318749915 / 118658585	17.8-18.3	1 - 12	6, 7	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable

		318749917 / 118658587 318749919 / 118658589 318749921 / 118658591						
KAD18	E	318749912 / 118658582 318749914 / 118658584 318749916 / 118658586 318749918 / 118658588 318749920 / 118658590 318749922 / 118658592 318749924 / 118658594 318749926 / 118658596	19.7-20.2	1 - 12	5	TABLE 22-1C	Pass	Favorable
KAD18	E	318749923 / 118658593 318749925 / 118658595	17.8-18.6	1 - 12	6, 7	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable
KAD18	E	318749927 / 118658633 318749928 / 118658634 318749929 / 118658635 318749930 / 118658636 318749931 / 118658637 318749932 / 118658638	18.1-18.6	1 - 12	6, 7	TABLE 22-1B TABLE 22-3	Fail Pass	Unfavorable

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.