

## 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	28100	All
2	↑	28100	28600	All
3	↑	29500	30000	All
4	↓	17800	18600	All
5	↔	17800	18400	All
6	↓	19700	20200	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	20

##### 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
1E-07	2000	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
KAU3, KAU4	R	29500	30000	10
KAU1, KAU2	R	27500	29100	10
KAD3, KAD4	E	19700	20200	10
KAD1, KAD2	E	17700	18600	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	320767149 / 120755246 320767150 / 120755247 320767151 / 120755248	27.5-28.5	1 - 6	1, 2	TABLE 22-2	Pass	Favorable
KAU1	R	320767152 / 120755249 320767153 / 120755250 320767154 / 120755251	28.1-29.1	1 - 6	2	TABLE 22-2	Pass	Favorable
KAU2	R	320767155 / 120755252 320767156 / 120755253 320767157 / 120755254	27.5-28.5	1 - 6	1, 2	TABLE 22-2	Pass	Favorable
KAU2	R	320767158 / 120755255 320767159 / 120755256 320767160 / 120755257	28.1-29.1	1 - 6	2	TABLE 22-2	Pass	Favorable
KAU3	R	320767161 / 120755258 320767162 / 120755259 320767163 / 120755260	29.5-30	1 - 6	3	TABLE 22-2	Pass	Favorable
KAU4	R	320767164 / 120755264 320767165 / 120755265	29.5-30	1 - 6	3	TABLE 22-2	Pass	Favorable

		320767166 / 120755266						
KAD1	E	320767137 / 120755286 320767138 / 120755287 320767139 / 120755288	17.7-18.6	1 - 6	4, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2	E	320767140 / 120755292 320767141 / 120755293 320767142 / 120755294	17.7-18.6	1 - 6	4, 5	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3	E	320767143 / 120755298 320767144 / 120755299 320767145 / 120755300	19.7-20.2	1 - 6	6	TABLE 22-1C	Pass	Favorable
KAD4	E	320767146 / 120755304 320767147 / 120755305 320767148 / 120755306	19.7-20.2	1 - 6	6	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.