

## 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	↑	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)	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 1095/1095/50	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
KAUA, KAUB, KAUC	R	27500	30000	20
KADA, KADB, KADC	E	17700	20200	20

### 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	319840075 / 119708441 319840076 / 119708443 319840077 / 119708444 319840078 / 119708445 319840089 / 119708568 319840090 / 119708570 319840091 / 119708571 319840092 / 119708572	27.5-28.5	1 - 19	1	TABLE 22-2	Fail	Unfavorable
KAUA	R	319840079 / 119708446 319840080 / 119708447 319840081 / 119708448 319840082 / 119708449 319840087 / 119708556 319840088 / 119708557 319840093 / 119708573 319840094 / 119708574	29.5-30	1 - 19	2	TABLE 22-2	Fail	Unfavorable
KAUA	R	319840083 / 119708508 319840084 / 119708512 319840085 / 119708513 319840086 / 119708514 319840095 / 119708613 319840096 / 119708617 319840097 / 119708618	28.5-29.1	1 - 19	1	TABLE 22-2	Fail	Unfavorable

		319840098 / 119708619						
KAUB	R	319840099 / 119708450 319840100 / 119708451 319840101 / 119708452 319840102 / 119708453 319840113 / 119708575 319840114 / 119708576 319840115 / 119708577 319840116 / 119708578	27.5-28.5	1 - 19	1	TABLE 22-2	Fail	Unfavorable
KAUB	R	319840103 / 119708454 319840104 / 119708455 319840105 / 119708456 319840106 / 119708457 319840111 / 119708558 319840112 / 119708559 319840117 / 119708579 319840118 / 119708580	29.5-30	1 - 19	2	TABLE 22-2	Fail	Unfavorable
KAUB	R	319840107 / 119708515 319840108 / 119708516 319840109 / 119708517 319840110 / 119708518 319840119 / 119708620 319840120 / 119708621 319840121 / 119708622 319840122 / 119708623	28.5-29.1	1 - 19	1	TABLE 22-2	Fail	Unfavorable
KAUC	R	319840123 / 119708458 319840124 / 119708459 319840125 / 119708460 319840126 / 119708461 319840137 / 119708581 319840138 / 119708582 319840139 / 119708583 319840140 / 119708584	27.5-28.5	1 - 19	1	TABLE 22-2	Fail	Unfavorable
KAUC	R	319840127 / 119708462 319840128 / 119708463 319840129 / 119708464 319840130 / 119708465 319840135 / 119708560 319840136 / 119708561 319840141 / 119708585 319840142 / 119708586	29.5-30	1 - 19	2	TABLE 22-2	Fail	Unfavorable
KAUC	R	319840131 / 119708519 319840132 / 119708520 319840133 / 119708521 319840134 / 119708522 319840143 / 119708624 319840144 / 119708625 319840145 / 119708626 319840146 / 119708627	28.5-29.1	1 - 19	1	TABLE 22-2	Fail	Unfavorable
KADA	E	319839999 / 119708442 319840000 / 119708466 319840001 / 119708467 319840002 / 119708468 319840015 / 119708569 319840016 / 119708587 319840017 / 119708588 319840018 / 119708589	17.7-18.2	1 - 19		TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADA	E	319840003 / 119708469 319840004 / 119708470 319840006 / 119708511 319840008 / 119708525 319840010 / 119708528 319840012 / 119708531 319840013 / 119708562 319840014 / 119708563 319840020 / 119708616 319840022 / 119708630 319840024 / 119708633 319840026 / 119708636	19.7-20.2	1 - 19		TABLE 22-1C	Pass	Favorable
KADA	E	319840005 / 119708509 319840007 / 119708523 319840009 / 119708526 319840011 / 119708529	18.1-18.6	1 - 19		TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		319840019 / 119708614 319840021 / 119708628 319840023 / 119708631 319840025 / 119708634						
KADB	E	319840027 / 119708472 319840028 / 119708473 319840029 / 119708474 319840041 / 119708591 319840042 / 119708592 319840043 / 119708593	17.7-18.2	1 - 19		TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADB	E	319840030 / 119708475 319840031 / 119708476 319840032 / 119708534 319840034 / 119708537 319840036 / 119708540 319840038 / 119708543 319840039 / 119708564 319840040 / 119708565 319840044 / 119708639 319840046 / 119708642 319840048 / 119708645 319840050 / 119708648	19.7-20.2	1 - 19		TABLE 22-1C	Pass	Favorable
KADB	E	319840033 / 119708535 319840035 / 119708538 319840037 / 119708541 319840045 / 119708640 319840047 / 119708643 319840049 / 119708646	18.1-18.6	1 - 19		TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADC	E	319840051 / 119708478 319840052 / 119708479 319840053 / 119708480 319840065 / 119708595 319840066 / 119708596 319840067 / 119708597	17.7-18.2	1 - 19		TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KADC	E	319840054 / 119708481 319840055 / 119708482 319840056 / 119708546 319840058 / 119708549 319840060 / 119708552 319840062 / 119708555 319840063 / 119708566 319840064 / 119708567 319840068 / 119708651 319840070 / 119708654 319840072 / 119708657 319840074 / 119708660	19.7-20.2	1 - 19		TABLE 22-1C	Pass	Favorable
KADC	E	319840057 / 119708547 319840059 / 119708550 319840061 / 119708553 319840069 / 119708652 319840071 / 119708655 319840073 / 119708658	18.1-18.6	1 - 19		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.