

Description of EPFD validation and results of examination

Input parameters

Mask link data

Mask Id.	Direction	Minimum frequency, MHz	Maximum frequency, MHz	Linked orbits id
1	↓	17800	18600	All
2	↑	27500	30000	All
3	↔	17800	18400	All
4	↓	19700	20200	All
7	↑	17300	17700	All

Service-links scenario

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)	22

Orbits

Apogee/Perigee/Inclination	A.4.b.6.d Uses station keeping	A.4.b.6.e Uses specific precession
1130/1130/74	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
3E-05	183	4

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	-50	4
-50	-20	4
-20	20	4
20	50	4
50	90	4

Downlink TT&C Scenario

Mask link data

Mask Id.	Direction	Minimum frequency, MHz	Maximum frequency, MHz	Linked orbits id
5	↔	17800	18400	All
6	↓	17800	18600	All

Common SNS Data for TT&C Scenario

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

Downlink

A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range		
From latitude	To latitude	Number
-90	-50	5
-50	-20	5
-20	20	5
20	50	5
50	90	5

Results

<i>B1A</i> <i>Beam designation</i>	<i>B2</i> <i>Emi-Rcp</i>	<i>BR7a</i> <i>Group id./</i> <i>Target Group id.</i>	<i>GHz</i>	<i>Orbital planes id. no.</i>	<i>Mask ID</i>	<i>Article 22 Limit</i>	<i>Result</i>	<i>Article 22 Examination</i>
UA379	R	317857124 / 117640823 317857125 / 117640824 317857126 / 117640825	17.3-17.7	1 - 8	7	TABLE 22-2	Pass	Favorable
UA423	R	317857127 / 117640826 317857128 / 117640827 317857129 / 117640828	17.3-17.7	1 - 8	7	TABLE 22-2	Pass	Favorable
UB379	R	317857130 / 117640829 317857131 / 117640830 317857132 / 117640831	17.3-17.7	1 - 8	7	TABLE 22-2	Pass	Favorable
UB423	R	317857133 / 117640832 317857134 / 117640833 317857135 / 117640834	17.3-17.7	1 - 8	7	TABLE 22-2	Pass	Favorable
UC283	R	317857136 / 117640835 317857137 / 117640836 317857138 / 117640837 317857139 / 117640838 317857140 / 117640839 317857141 / 117640840 317857142 / 117640841	27.5-28.6	1 - 8	2	TABLE 22-2	Pass	Favorable
UC299	R	317857143 / 117640842 317857144 / 117640843 317857145 / 117640844 317857146 / 117640845 317857147 / 117640846 317857148 / 117640847 317857149 / 117640848	27.5-28.6	1 - 8	2	TABLE 22-2	Pass	Favorable
UC319	R	317857150 / 117640849 317857151 / 117640850 317857152 / 117640851 317857153 / 117640852 317857154 / 117640853 317857155 / 117640854 317857156 / 117640855	27.5-28.6	1 - 8	2	TABLE 22-2	Pass	Favorable
UC344	R	317857157 / 117640856 317857158 / 117640857 317857159 / 117640858 317857160 / 117640859 317857161 / 117640860 317857162 / 117640861 317857163 / 117640862	27.5-28.6	1 - 8	2	TABLE 22-2	Pass	Favorable
UC379	R	317857164 / 117640863 317857165 / 117640864 317857166 / 117640865 317857167 / 117640866 317857168 / 117640867 317857169 / 117640868 317857170 / 117640869	27.5-28.6	1 - 8	2	TABLE 22-2	Pass	Favorable
UC423	R	317857171 / 117640870 317857172 / 117640871 317857173 / 117640872 317857174 / 117640873 317857175 / 117640874 317857176 / 117640875 317857177 / 117640876	27.5-28.6	1 - 8	2	TABLE 22-2	Pass	Favorable
UE283	R	317857178 / 117640919 317857179 / 117640920 317857180 / 117640921 317857181 / 117640922 317857182 / 117640923 317857183 / 117640924 317857184 / 117640925	29.5-30	1 - 8	2	TABLE 22-2	Pass	Favorable
UE299	R	317857185 / 117640926 317857186 / 117640927 317857187 / 117640928 317857188 / 117640929 317857189 / 117640930	29.5-30	1 - 8	2	TABLE 22-2	Pass	Favorable

		317857190 / 117640931 317857191 / 117640932						
UE319	R	317857192 / 117640937 317857193 / 117640938 317857194 / 117640939 317857195 / 117640940 317857196 / 117640941 317857197 / 117640942 317857198 / 117640943	29.5-30	1 - 8	2	TABLE 22-2	Pass	Favorable
UE344	R	317857199 / 117640944 317857200 / 117640945 317857201 / 117640946 317857202 / 117640947 317857203 / 117640948 317857204 / 117640949 317857205 / 117640950	29.5-30	1 - 8	2	TABLE 22-2	Pass	Favorable
UE379	R	317857206 / 117640951 317857207 / 117640952 317857208 / 117640953 317857209 / 117640954 317857210 / 117640955 317857211 / 117640956 317857212 / 117640957	29.5-30	1 - 8	2	TABLE 22-2	Pass	Favorable
UE423	R	317857213 / 117640962 317857214 / 117640963 317857215 / 117640964 317857216 / 117640965 317857217 / 117640966 317857218 / 117640967 317857219 / 117640968	29.5-30	1 - 8	2	TABLE 22-2	Pass	Favorable
DA283	E	317856907 / 117640521 317856908 / 117640522 317856909 / 117640523 317856910 / 117640524 317856911 / 117640525 317856912 / 117640526 317856913 / 117640527	17.95-18.2	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA283	E	317856914 / 117640528 317856915 / 117640529 317856916 / 117640530 317856917 / 117640531 317856918 / 117640532 317856919 / 117640533 317856920 / 117640534 317856921 / 117640535 317856922 / 117640536 317856923 / 117640537 317856924 / 117640538 317856925 / 117640539 317856926 / 117640540 317856927 / 117640541	17.7-17.95	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA283	E	317856928 / 117640542 317856929 / 117640543 317856930 / 117640544 317856931 / 117640545 317856932 / 117640546 317856933 / 117640547 317856934 / 117640548	18.2-18.6	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA299	E	317856935 / 117640549 317856936 / 117640550 317856937 / 117640551 317856938 / 117640552 317856939 / 117640553 317856940 / 117640554 317856941 / 117640555	17.95-18.2	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA299	E	317856942 / 117640556 317856943 / 117640557 317856944 / 117640558 317856945 / 117640559 317856946 / 117640560 317856947 / 117640561 317856948 / 117640562 317856949 / 117640563	17.7-17.95	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		317856950 / 117640564 317856951 / 117640565 317856952 / 117640566 317856953 / 117640567 317856954 / 117640568 317856955 / 117640569						
DA299	E	317856956 / 117640570 317856957 / 117640571 317856958 / 117640572 317856959 / 117640573 317856960 / 117640574 317856961 / 117640575 317856962 / 117640576	18.2-18.6	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA319	E	317856963 / 117640577 317856964 / 117640578 317856965 / 117640579 317856966 / 117640580 317856967 / 117640581 317856968 / 117640582 317856969 / 117640583	17.95-18.2	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA319	E	317856970 / 117640584 317856971 / 117640585 317856972 / 117640586 317856973 / 117640587 317856974 / 117640588 317856975 / 117640589 317856976 / 117640590 317856977 / 117640591 317856978 / 117640592 317856979 / 117640593 317856980 / 117640594 317856981 / 117640595 317856982 / 117640596 317856983 / 117640597	17.7-17.95	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA319	E	317856984 / 117640598 317856985 / 117640599 317856986 / 117640600 317856987 / 117640601 317856988 / 117640602 317856989 / 117640603 317856990 / 117640604	18.2-18.6	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA344	E	317856991 / 117640605 317856992 / 117640606 317856993 / 117640607 317856994 / 117640608 317856995 / 117640609 317856996 / 117640610 317856997 / 117640611	17.95-18.2	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA344	E	317856998 / 117640612 317856999 / 117640613 317857000 / 117640614 317857001 / 117640615 317857002 / 117640616 317857003 / 117640617 317857004 / 117640618 317857005 / 117640619 317857006 / 117640620 317857007 / 117640621 317857008 / 117640622 317857009 / 117640623 317857010 / 117640624 317857011 / 117640625	17.7-17.95	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA344	E	317857012 / 117640626 317857013 / 117640627 317857014 / 117640628 317857015 / 117640629 317857016 / 117640630 317857017 / 117640631 317857018 / 117640632	18.2-18.6	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA379	E	317857019 / 117640633 317857020 / 117640634 317857021 / 117640635 317857022 / 117640636	17.95-18.2	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		317857023 / 117640637 317857024 / 117640638 317857025 / 117640639						
DA379	E	317857026 / 117640640 317857027 / 117640641 317857028 / 117640642 317857029 / 117640643 317857030 / 117640644 317857031 / 117640645 317857032 / 117640646 317857033 / 117640647 317857034 / 117640648 317857035 / 117640649 317857036 / 117640650 317857037 / 117640651 317857038 / 117640652 317857039 / 117640653	17.7-17.95	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA379	E	317857040 / 117640654 317857041 / 117640655 317857042 / 117640656 317857043 / 117640657 317857044 / 117640658 317857045 / 117640659 317857046 / 117640660	18.2-18.6	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA423	E	317857047 / 117640661 317857048 / 117640662 317857049 / 117640663 317857050 / 117640664 317857051 / 117640665 317857052 / 117640666 317857053 / 117640667	17.95-18.2	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA423	E	317857054 / 117640668 317857055 / 117640669 317857056 / 117640670 317857057 / 117640671 317857058 / 117640672 317857059 / 117640673 317857060 / 117640674 317857061 / 117640675 317857062 / 117640676 317857063 / 117640677 317857064 / 117640678 317857065 / 117640679 317857066 / 117640680 317857067 / 117640681	17.7-17.95	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DA423	E	317857068 / 117640682 317857069 / 117640683 317857070 / 117640684 317857071 / 117640685 317857072 / 117640686 317857073 / 117640687 317857074 / 117640688	18.2-18.6	1 - 8	1, 3, 5, 6	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
DD283	E	317857075 / 117640773 317857076 / 117640774 317857077 / 117640775 317857078 / 117640776 317857079 / 117640777 317857080 / 117640778 317857081 / 117640779	19.7-20.2	1 - 8	4	TABLE 22-1C	Pass	Favorable
DD299	E	317857082 / 117640780 317857083 / 117640781 317857084 / 117640782 317857085 / 117640783 317857086 / 117640784 317857087 / 117640785 317857088 / 117640786	19.7-20.2	1 - 8	4	TABLE 22-1C	Pass	Favorable
DD319	E	317857095 / 117640791 317857096 / 117640792 317857097 / 117640793 317857098 / 117640794 317857099 / 117640795 317857100 / 117640796 317857101 / 117640797	19.7-20.2	1 - 8	4	TABLE 22-1C	Pass	Favorable

DD344	E	317857102 / 117640798 317857103 / 117640799 317857104 / 117640800 317857105 / 117640801 317857106 / 117640802 317857107 / 117640803 317857108 / 117640804	19.7-20.2	1 - 8	4	TABLE 22-1C	Pass	Favorable
DD379	E	317857109 / 117640805 317857110 / 117640806 317857111 / 117640807 317857112 / 117640808 317857113 / 117640809 317857114 / 117640810 317857115 / 117640811	19.7-20.2	1 - 8	4	TABLE 22-1C	Pass	Favorable
DD423	E	317857116 / 117640816 317857117 / 117640817 317857118 / 117640818 317857119 / 117640819 317857120 / 117640820 317857121 / 117640821 317857122 / 117640822	19.7-20.2	1 - 8	4	TABLE 22-1C	Pass	Favorable
DTTC	E	317857123 / 117640973	18.55-18.6	1 - 8	6	TABLE 22-1B	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.