

**Description of EPFD validation and results of examination**

Only frequency assignments operating with orbital planes 13-24 (1050 km altitude) were examined.

Downlink examination of frequency ranges 10.7 – 12.75 GHz, 17.8 – 18.6 GHz, 19.7 – 20.2 GHz

Inter-satellite examination of frequency ranges 10.7 – 12.75 GHz, 17.8 – 18.4 GHz

Uplink examination of frequency ranges 12.75 – 14.5 GHz, 17.3 – 18.1 GHz, 27.5 – 28.6 GHz, 29.5 – 30 GHz

<i>B1A</i> <i>Beam designation</i>	<i>B2</i> <i>Emi-Rcp</i>	<i>BR7a</i> <i>Group id./ 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>
KAU1AR	R	319667967 319667968 319667969 319667970 319667971 319667972	17.3-17.675	13 - 24	11	TABLE 22-2	Pass	Favorable
KAU1AR	R	319668265 319668266 319668267 319668268 319668269 319668270	17.675-17.8	13 - 24	11	TABLE 22-2	Pass	Favorable
KAU2AR	R	319667973 319667974 319667975 319667976 319667977 319667978	17.3-17.675	13 - 24	11	TABLE 22-2	Pass	Favorable
KAU2AR	R	319668271 319668272 319668273 319668274 319668275 319668276	17.675-17.8	13 - 24	11	TABLE 22-2	Pass	Favorable
KAU3AR	R	319667979 319667980 319667981 319667982 319667983 319667984	17.3-17.675	13 - 24	11	TABLE 22-2	Pass	Favorable
KAU3AR	R	319668277 319668278 319668279 319668280	17.675-17.8	13 - 24	11	TABLE 22-2	Pass	Favorable

		319668281 319668282						
KAU4AR	R	319667985 319667986 319667987 319667988 319667989 319667990	17.3-17.675	13 - 24	11	TABLE 22-2	Pass	Favorable
KAU4AR	R	319668283 319668284 319668285 319668286 319668287 319668288	17.675-17.8	13 - 24	11	TABLE 22-2	Pass	Favorable
KAU5AR	R	319667991 319667992 319667993 319667994 319667995 319667996	27.5-28.5	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU5AR	R	319668289 319668291 319668293 319668295 319668297 319668299	28.5-29.5	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU5AR	R	319668290 319668292 319668294 319668296 319668298 319668300	29.5-30	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU6AR	R	319667997 319667998 319667999 319668000 319668001 319668002	27.5-28.5	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU6AR	R	319668301 319668303 319668305 319668307 319668309 319668311	28.5-29.5	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU6AR	R	319668302 319668304 319668306 319668308 319668310 319668312	29.5-30	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU7AR	R	319668003 319668004	27.5-28.5	13 - 24	12	TABLE 22-2	Pass	Favorable

		319668005 319668006 319668007 319668008						
KAU7AR	R	319668313 319668315 319668317 319668319 319668321 319668323	28.5-29.5	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU7AR	R	319668314 319668316 319668318 319668320 319668322 319668324	29.5-30	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU8AR	R	319668009 319668010 319668011 319668012 319668013 319668014	27.5-28.5	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU8AR	R	319668325 319668327 319668329 319668331 319668333 319668335	28.5-29.5	13 - 24	12	TABLE 22-2	Pass	Favorable
KAU8AR	R	319668326 319668328 319668330 319668332 319668334 319668336	29.5-30	13 - 24	12	TABLE 22-2	Pass	Favorable
KU10AR	R	319667833 319667834	13.75-14	13 - 24	5	TABLE 22-2	Pass	Favorable
KU11AR	R	319667835 319667836	13.75-14	13 - 24	5	TABLE 22-2	Pass	Favorable
KU12AR	R	319667837 319667838	13.75-14	13 - 24	5	TABLE 22-2	Pass	Favorable
KU1AR	R	319667783 319667784 319667785 319667786 319667787 319667788	12.75-13.25	13 - 24	5	TABLE 22-2	Pass	Favorable
KU2AR	R	319667789 319667790 319667791 319667792 319667793 319667794	12.75-13.25	13 - 24	5	TABLE 22-2	Pass	Favorable

KU3AR	R	319667795 319667796 319667797 319667798 319667799 319667800	12.75-13.25	13 - 24	5	TABLE 22-2	Pass	Favorable
KU4AR	R	319667801 319667802 319667803 319667804 319667805 319667806	12.75-13.25	13 - 24	5	TABLE 22-2	Pass	Favorable
KU5AR	R	319667807 319667808 319667809 319667810 319667811 319667812	14-14.5	13 - 24	5	TABLE 22-2	Pass	Favorable
KU6AR	R	319667813 319667814 319667815 319667816 319667817 319667818	14-14.5	13 - 24	5	TABLE 22-2	Pass	Favorable
KU7AR	R	319667819 319667820 319667821 319667822 319667823 319667824	14-14.5	13 - 24	5	TABLE 22-2	Pass	Favorable
KU8AR	R	319667825 319667826 319667827 319667828 319667829 319667830	14-14.5	13 - 24	5	TABLE 22-2	Pass	Favorable
KU9AR	R	319667831 319667832	13.75-14	13 - 24	5	TABLE 22-2	Pass	Favorable
KAD1CR	E	319667839 319667840 319667841 319667842 319667843 319667844 319667845 319667846	19.7-20.2	13 - 24	8	TABLE 22-1C	Pass	Favorable
KAD2CR	E	319667847 319667848 319667849 319667850 319667851 319667852	17.7025-17.8275	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		319667853 319667854 319668401 319668402 319668403 319668404 319668405 319668406 319668407 319668408						
KAD2CR	E	319667855 319667856 319667857 319667858 319667859 319667860 319667861 319667862	19.7-20.2	13 - 24	8	TABLE 22-1C	Pass	Favorable
KAD2CR	E	319668185 319668193 319668199 319668202 319668205 319668208 319668211 319668214	17.83-18.21	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD2CR	E	319668187 319668195 319668200 319668203 319668206 319668209 319668212 319668215	18.2125-18.5925	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3CR	E	319667863 319667864 319667865 319667866 319667867 319667868 319667869 319667870 319668409 319668410 319668411 319668412 319668413 319668414 319668415 319668416	17.7025-17.8275	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3CR	E	319667871 319667872	19.7-20.2	13 - 24	8	TABLE 22-1C	Pass	Favorable

		319667873 319667874 319667875 319667876 319667877 319667878						
KAD3CR	E	319668217 319668220 319668223 319668226 319668229 319668232 319668235 319668238	17.83-18.21	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD3CR	E	319668218 319668221 319668224 319668227 319668230 319668233 319668236 319668239	18.2125-18.5925	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD4CR	E	319667879 319667880 319667881 319667882 319667883 319667884 319667885 319667886 319668417 319668418 319668419 319668420 319668421 319668422 319668423 319668424	17.7025-17.8275	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KAD4CR	E	319667887 319667888 319667889 319667890 319667891 319667892 319667893 319667894	19.7-20.2	13 - 24	8	TABLE 22-1C	Pass	Favorable
KAD4CR	E	319668241 319668244 319668247 319668250 319668253 319668256	17.83-18.21	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable

		319668259 319668262						
KAD4CR	E	319668242 319668245 319668248 319668251 319668254 319668257 319668260 319668263	18.2125-18.5925	13 - 24	9, 10	TABLE 22-1B TABLE 22-3	Pass Pass	Favorable
KD1AR	E	319667719 319667720 319667721 319667722 319667723 319667724 319667725 319667726	10.7-11.45	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD1AR	E	319668087 319668089 319668091 319668093 319668095 319668097 319668099 319668101	10.95-11.2	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD1AR	E	319668088 319668090 319668092 319668094 319668096 319668098 319668100 319668102	11.45-11.7	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD2AR	E	319667727 319667728 319667729 319667730 319667731 319667732 319667733 319667734	10.7-11.45	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD2AR	E	319668103 319668105 319668107 319668109 319668111 319668113 319668115 319668117	10.95-11.2	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable

KD2AR	E	319668104 319668106 319668108 319668110 319668112 319668114 319668116 319668118	11.45-11.7	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD3AR	E	319667735 319667736 319667737 319667738 319667739 319667740 319667741 319667742	10.7-11.45	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD3AR	E	319668119 319668121 319668123 319668125 319668127 319668129 319668131 319668133	10.95-11.2	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD3AR	E	319668120 319668122 319668124 319668126 319668128 319668130 319668132 319668134	11.45-11.7	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD4AR	E	319667743 319667744 319667745 319667746 319667747 319667748 319667749 319667750	10.7-11.45	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD4AR	E	319668135 319668137 319668139 319668141 319668143 319668145 319668147 319668149	10.95-11.2	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable
KD4AR	E	319668136 319668138 319668140 319668142	11.45-11.7	13 - 24	1 - 3	RR 22.5C4 TABLE 22-1A TABLE 22-3	Pass Pass Pass	Favorable



		319668144 319668146 319668148 319668150						
KD5AR	E	319667751 319667752 319667753 319667754 319667755 319667756 319667757 319667758 319668337 319668338 319668339 319668340 319668341 319668342 319668343 319668344	11.7-12.2	13 - 24	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KD5AR	E	319668151 319668152 319668153 319668154 319668155 319668156 319668157 319668158 319668489 319668490 319668491 319668492 319668493 319668494 319668495 319668496	12.2-12.45	13 - 24	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KD5AR	E	319668369 319668370 319668371 319668372 319668373 319668374 319668375 319668376	12.625-12.75	13 - 24	1, 3, 4	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KD5AR	E	319668425 319668426 319668427 319668428 319668429 319668430 319668431 319668432	12.45-12.7	13 - 24	1, 3, 4	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable

		319668457 319668458 319668459 319668460 319668461 319668462 319668463 319668464						
KD6AR	E	319667759 319667760 319667761 319667762 319667763 319667764 319667765 319667766 319668345 319668346 319668347 319668348 319668349 319668350 319668351 319668352	11.7-12.2	13 - 24	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KD6AR	E	319668159 319668160 319668161 319668162 319668163 319668164 319668165 319668166 319668497 319668498 319668499 319668500 319668501 319668502 319668503 319668504	12.2-12.45	13 - 24	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KD6AR	E	319668377 319668378 319668379 319668380 319668381 319668382 319668383 319668384	12.625-12.75	13 - 24	1, 3, 4	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KD6AR	E	319668433 319668434 319668435 319668436	12.45-12.7	13 - 24	1, 3, 4	RR 22.5C4 RR 22.5C8 TABLE 22-1A	Pass Pass Pass	Favorable

		319668437 319668438 319668439 319668440 319668465 319668466 319668467 319668468 319668469 319668470 319668471 319668472				TABLE 22-1D TABLE 22-3	Pass Pass	
KD7AR	E	319667767 319667768 319667769 319667770 319667771 319667772 319667773 319667774 319668353 319668354 319668355 319668356 319668357 319668358 319668359 319668360	11.7-12.2	13 - 24	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KD7AR	E	319668167 319668168 319668169 319668170 319668171 319668172 319668173 319668174 319668505 319668506 319668507 319668508 319668509 319668510 319668511 319668512	12.2-12.45	13 - 24	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KD7AR	E	319668385 319668386 319668387 319668388 319668389 319668390 319668391 319668392	12.625-12.75	13 - 24	1, 3, 4	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable

KD7AR	E	319668441 319668442 319668443 319668444 319668445 319668446 319668447 319668448 319668473 319668474 319668475 319668476 319668477 319668478 319668479 319668480	12.45-12.7	13 - 24	1, 3, 4	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass Pass Pass	Favorable
KD8AR	E	319667775 319667776 319667777 319667778 319667779 319667780 319667781 319667782 319668361 319668362 319668363 319668364 319668365 319668366 319668367 319668368	11.7-12.2	13 - 24	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KD8AR	E	319668175 319668176 319668177 319668178 319668179 319668180 319668181 319668182 319668513 319668514 319668515 319668516 319668517 319668518 319668519 319668520	12.2-12.45	13 - 24	1, 3	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D	Pass Pass Pass Pass	Favorable
KD8AR	E	319668393 319668394 319668395 319668396	12.625-12.75	13 - 24	1, 3, 4	RR 22.5C4 RR 22.5C8 TABLE 22-1A	Pass Pass Pass	Favorable

		319668397 319668398 319668399 319668400				TABLE 22-1D TABLE 22-3	Pass Pass	
KD8AR	E	319668449 319668450 319668451 319668452 319668453 319668454 319668455 319668456 319668481 319668482 319668483 319668484 319668485 319668486 319668487 319668488	12.45-12.7	13 - 24	1, 3, 4	RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3	Pass Pass Pass 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.