

Case No. : <u>GTS20220808003-1-3</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.8.23</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

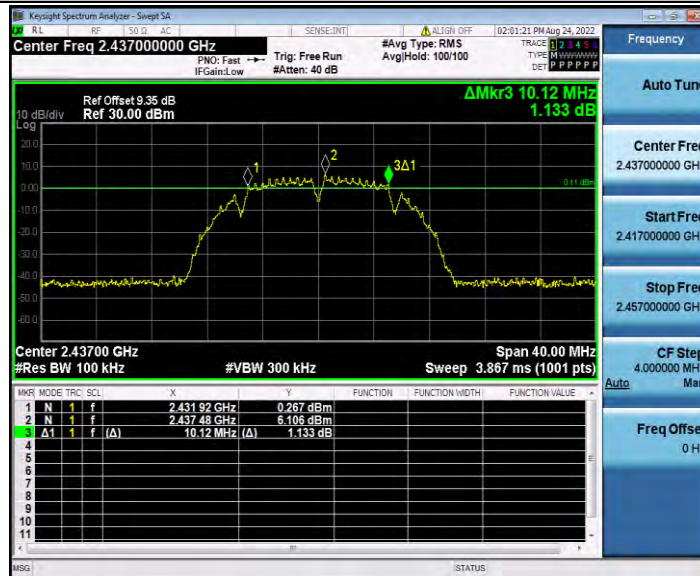
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2407.000	2417.040	0.5	PASS
		2437	10.120	2431.920	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant1	2412	15.240	2404.440	2419.680	0.5	PASS
		2437	13.840	2430.720	2444.560	0.5	PASS
		2462	15.040	2454.440	2469.480	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	30.320	2420.520	2450.840	0.5	PASS
		2452	26.240	2438.880	2465.120	0.5	PASS
11AX20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11AX40SISO	Ant1	2422	31.360	2408.720	2440.080	0.5	PASS
		2437	35.280	2419.560	2454.840	0.5	PASS
		2452	32.320	2436.960	2469.280	0.5	PASS

Test Graphs

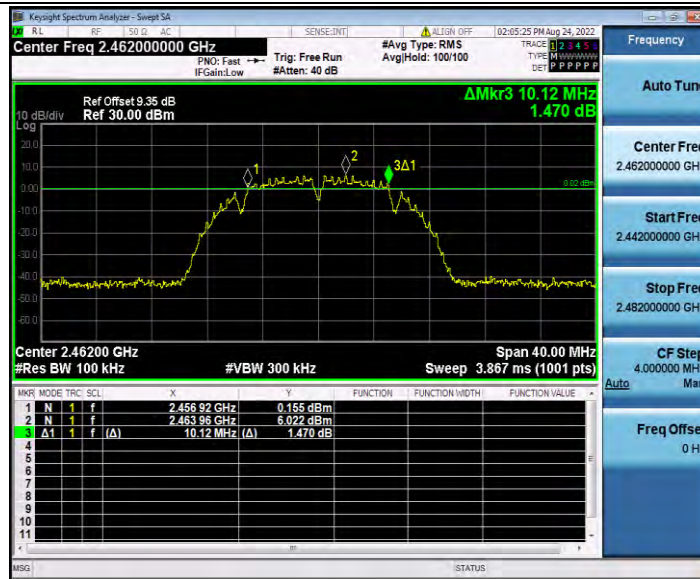
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



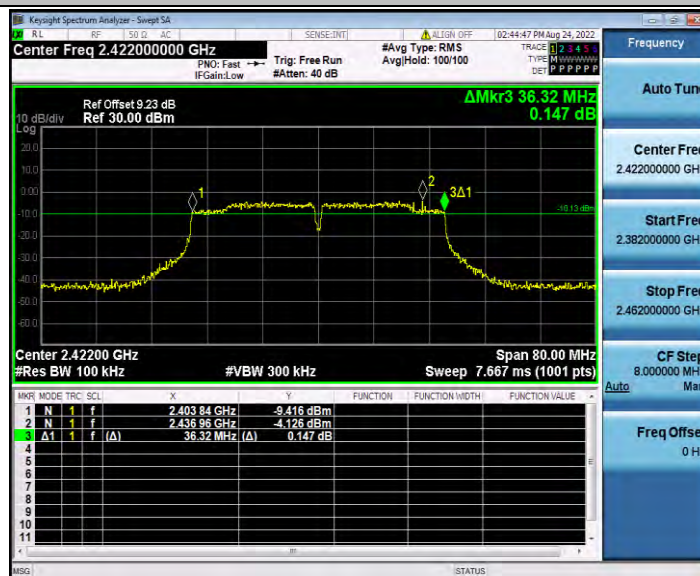
11N20SISO_Ant1_2437



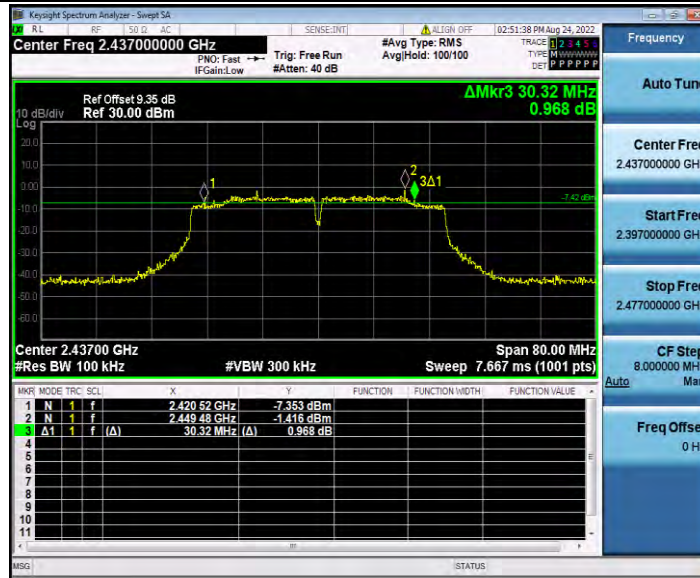
11N20SISO_Ant1_2462



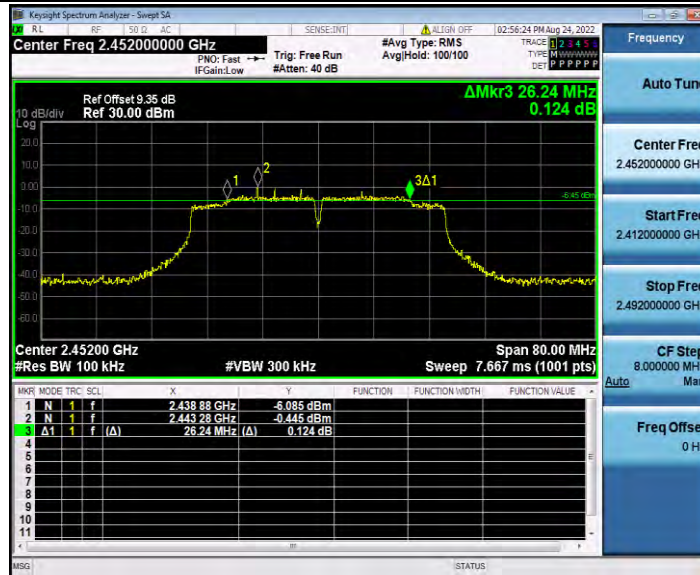
11N40SISO_Ant1_2422



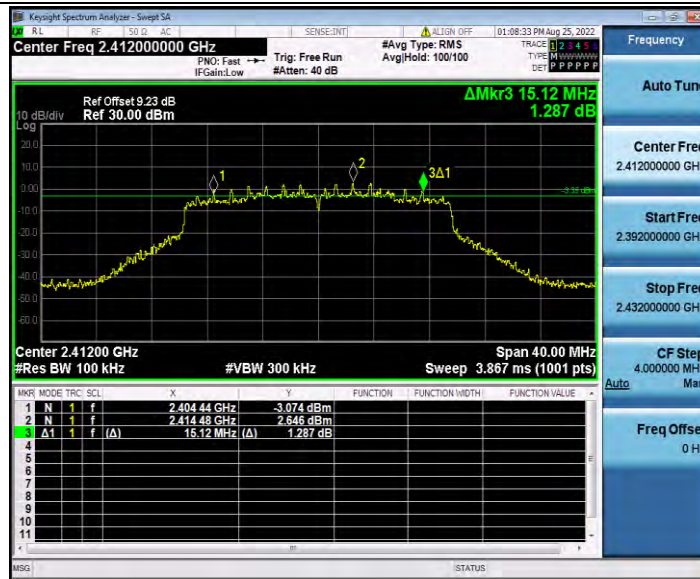
11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



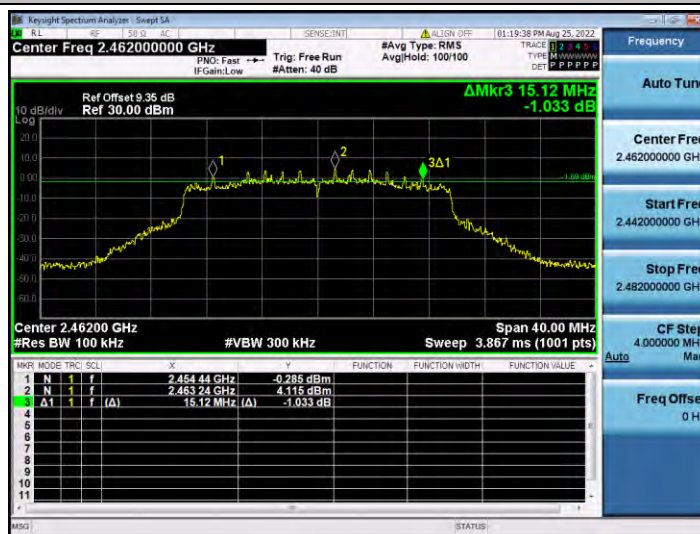
11AX20SISO_Ant1_2412



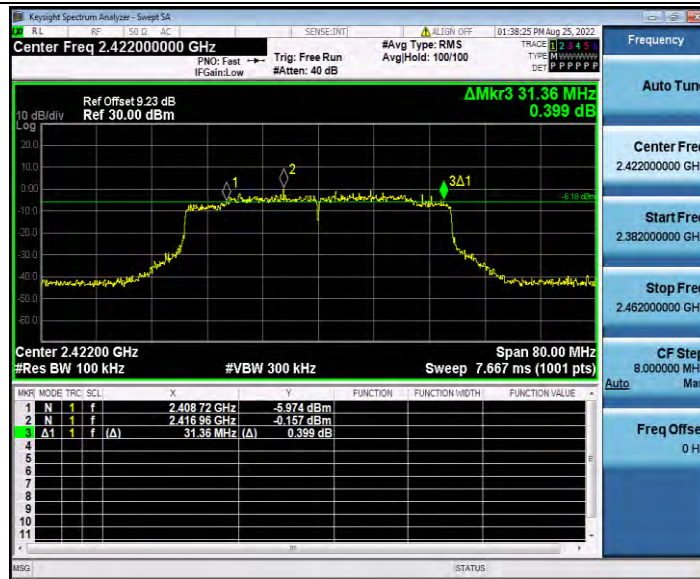
11AX20SISO_Ant1_2437



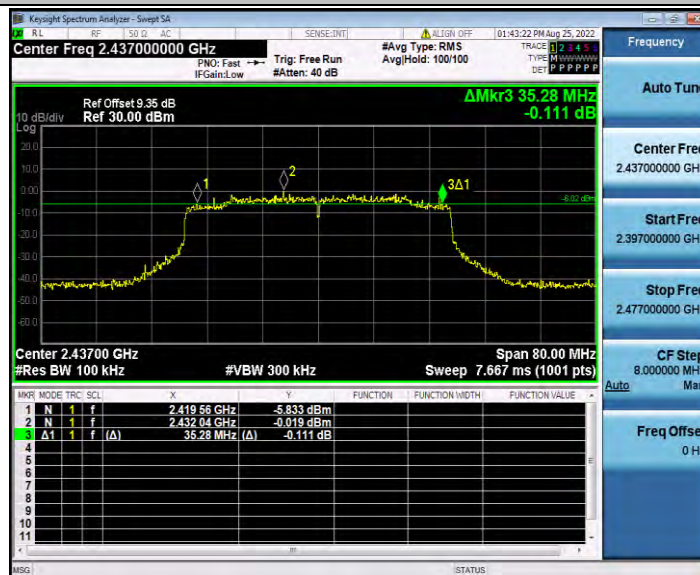
11AX20SISO_Ant1_2462



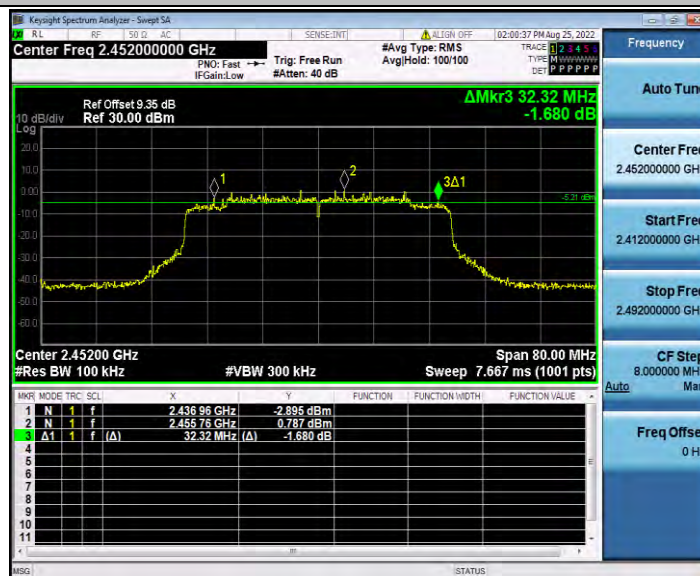
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.2: Occupied Channel Bandwidth

Test Result

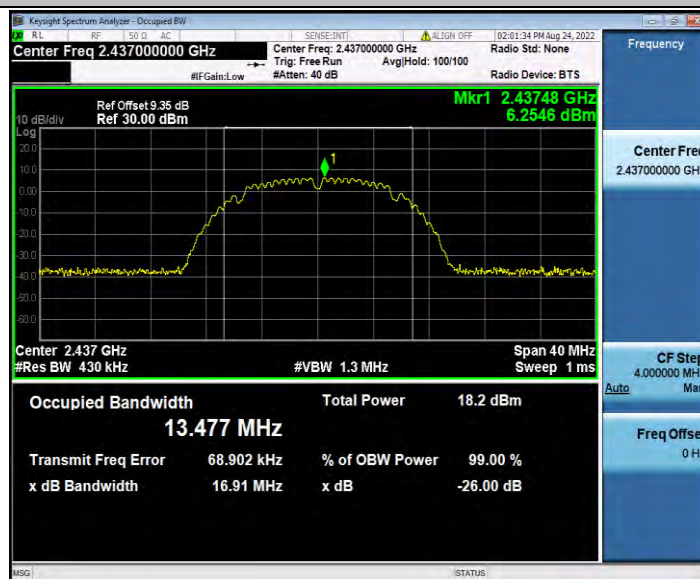
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.462	2405.266	2418.728	---	---
		2437	13.477	2430.330	2443.807	---	---
		2462	13.454	2455.268	2468.722	---	---
11G	Ant1	2412	17.089	2403.441	2420.530	---	---
		2437	17.007	2428.602	2445.609	---	---
		2462	17.018	2453.476	2470.494	---	---
11N20SISO	Ant1	2412	18.068	2402.996	2421.064	---	---
		2437	18.008	2428.084	2446.092	---	---
		2462	17.965	2452.986	2470.951	---	---
11N40SISO	Ant1	2422	36.103	2403.968	2440.071	---	---
		2437	36.021	2418.986	2455.007	---	---
		2452	35.968	2434.026	2469.994	---	---
11AX20SISO	Ant1	2412	19.015	2402.512	2421.527	---	---
		2437	18.955	2427.551	2446.506	---	---
		2462	18.977	2452.520	2471.497	---	---
11AX40SISO	Ant1	2422	37.541	2403.340	2440.881	---	---
		2437	37.501	2418.328	2455.829	---	---
		2452	37.427	2433.340	2470.767	---	---

Test Graphs

11B_Ant1_2412



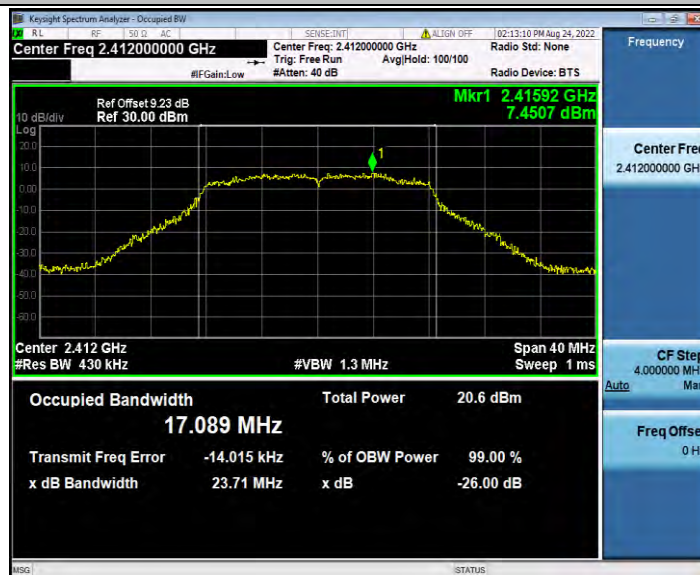
11B_Ant1_2437



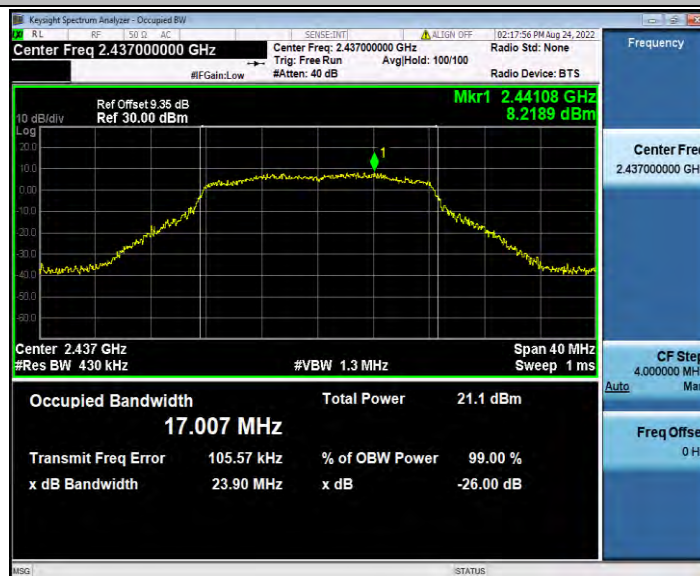
11B_Ant1_2462



11G_Ant1_2412



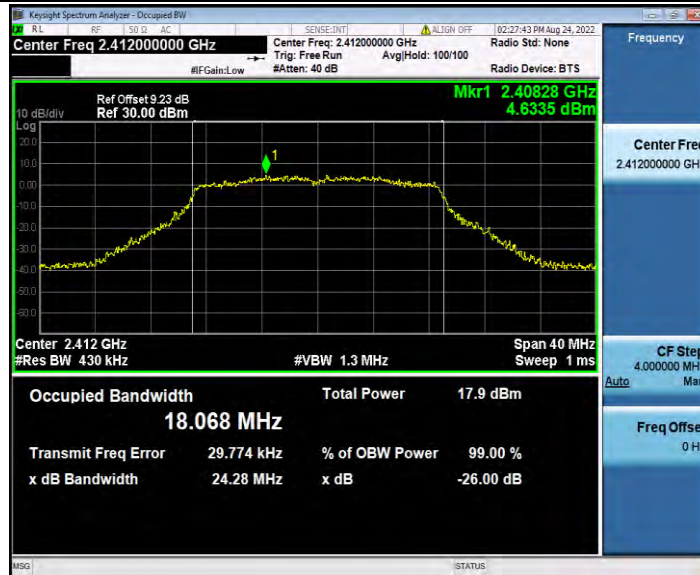
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



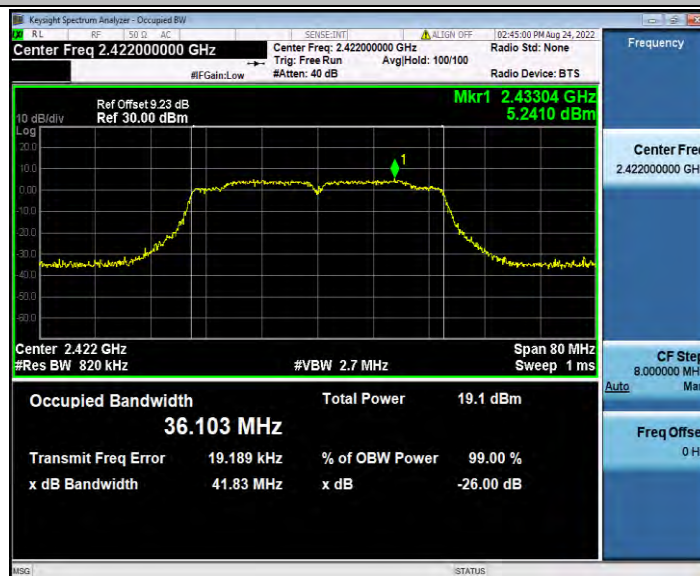
11N20SISO_Ant1_2437



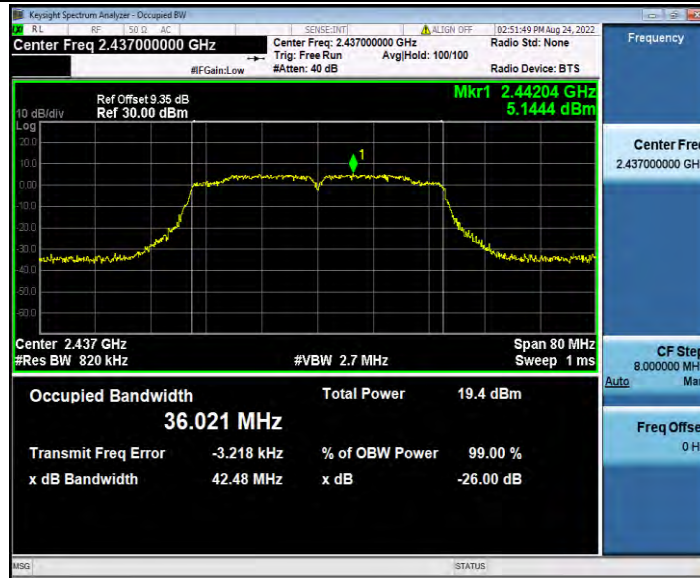
11N20SISO_Ant1_2462



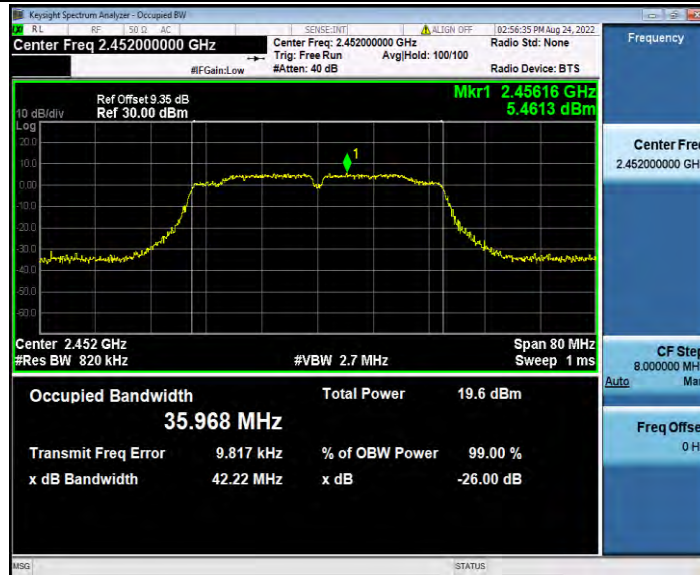
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



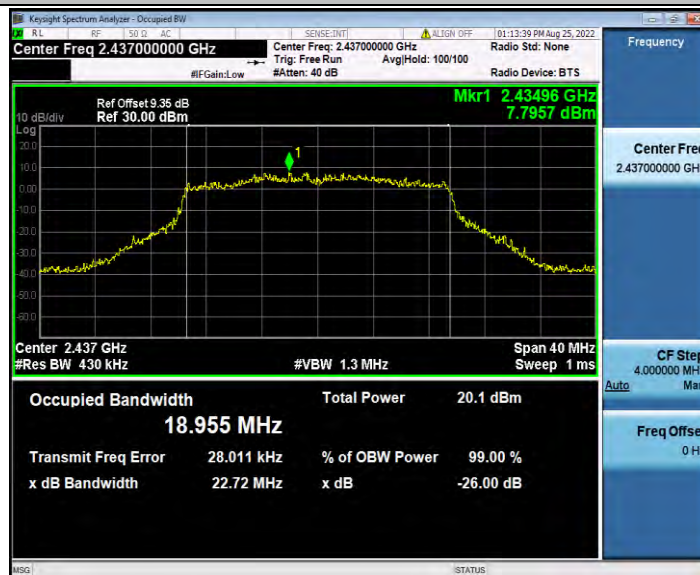
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



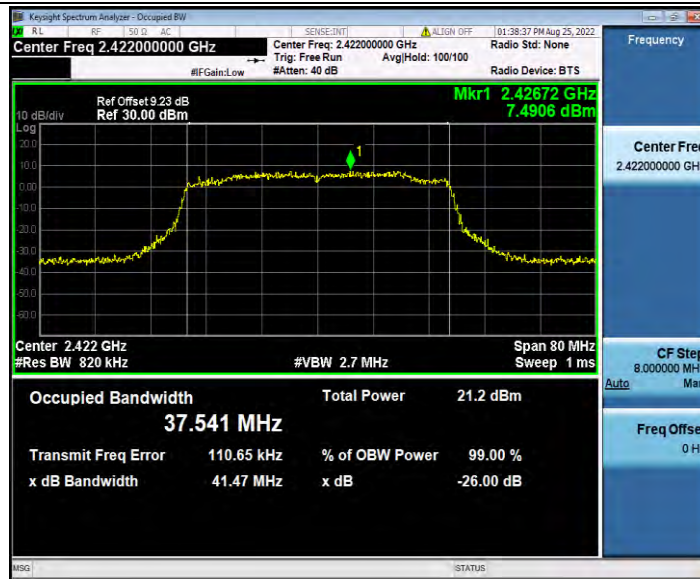
11AX20SISO_Ant1_2437



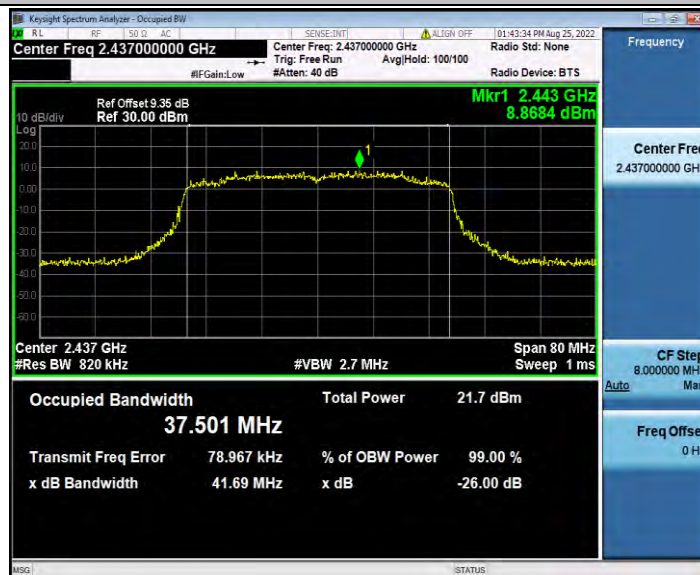
11AX20SISO_Ant1_2462



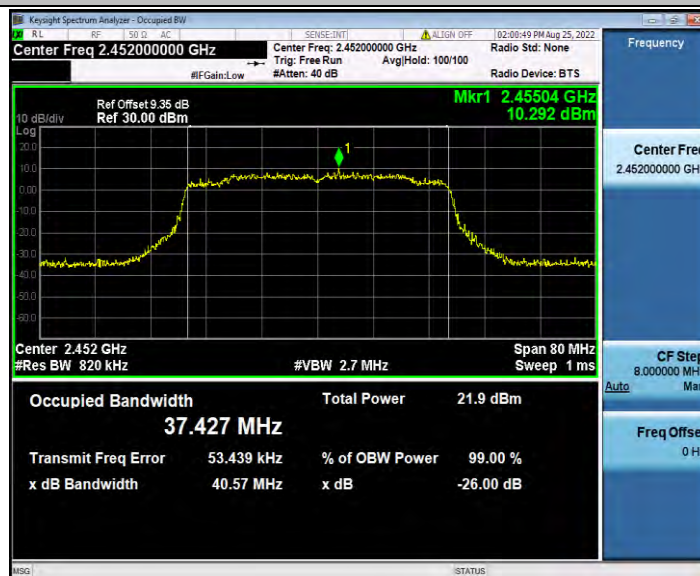
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.00	≤30.00	PASS
		2437	18.27	≤30.00	PASS
		2462	18.81	≤30.00	PASS
11G	Ant1	2412	21.76	≤30.00	PASS
		2437	22.00	≤30.00	PASS
		2462	22.55	≤30.00	PASS
11N20SISO	Ant1	2412	18.96	≤30.00	PASS
		2437	19.21	≤30.00	PASS
		2462	19.64	≤30.00	PASS
11N40SISO	Ant1	2422	19.37	≤30.00	PASS
		2437	19.58	≤30.00	PASS
		2452	19.91	≤30.00	PASS
11AX20SISO	Ant1	2412	20.94	≤30.00	PASS
		2437	20.55	≤30.00	PASS
		2462	21.07	≤30.00	PASS
11AX40SISO	Ant1	2422	21.26	≤30.00	PASS
		2437	21.78	≤30.00	PASS
		2452	22.15	≤30.00	PASS

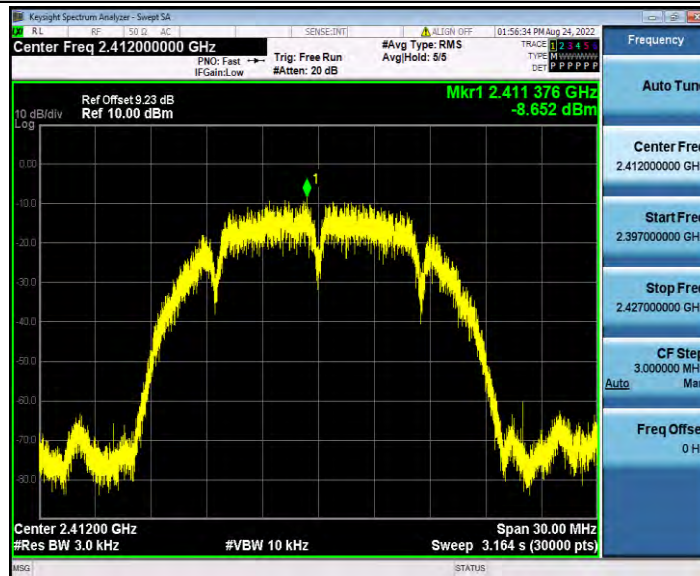
Appendix C.4: Maximum power spectral density

Test Result

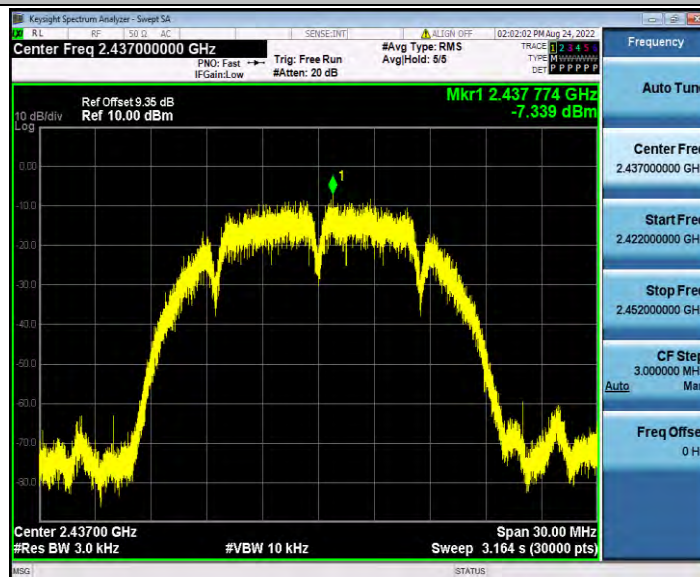
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.65	≤8.00	PASS
		2437	-7.34	≤8.00	PASS
		2462	-7.62	≤8.00	PASS
11G	Ant1	2412	-9.82	≤8.00	PASS
		2437	-9.21	≤8.00	PASS
		2462	-8.64	≤8.00	PASS
11N20SISO	Ant1	2412	-11.93	≤8.00	PASS
		2437	-12.82	≤8.00	PASS
		2462	-12.37	≤8.00	PASS
11N40SISO	Ant1	2422	-15.90	≤8.00	PASS
		2437	-15.54	≤8.00	PASS
		2452	-15.19	≤8.00	PASS
11AX20SISO	Ant1	2412	-13.63	≤8.00	PASS
		2437	-12.98	≤8.00	PASS
		2462	-12.03	≤8.00	PASS
11AX40SISO	Ant1	2422	-15.60	≤8.00	PASS
		2437	-14.97	≤8.00	PASS
		2452	-14.09	≤8.00	PASS

Test Graphs

11B_Ant1_2412



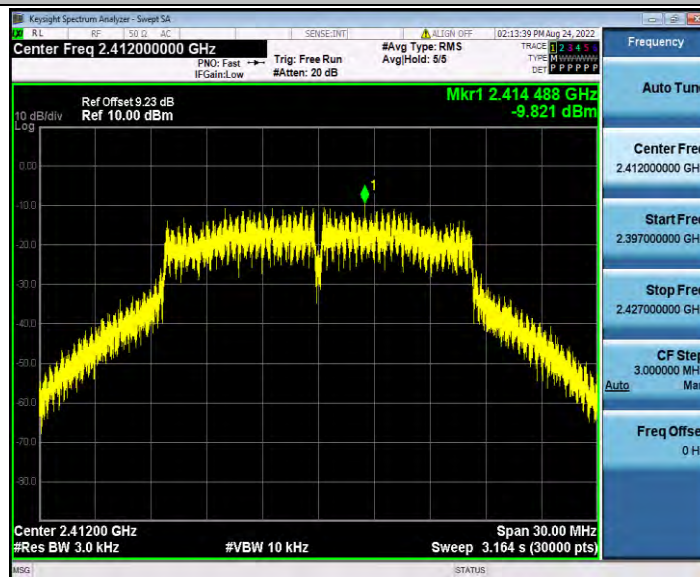
11B_Ant1_2437



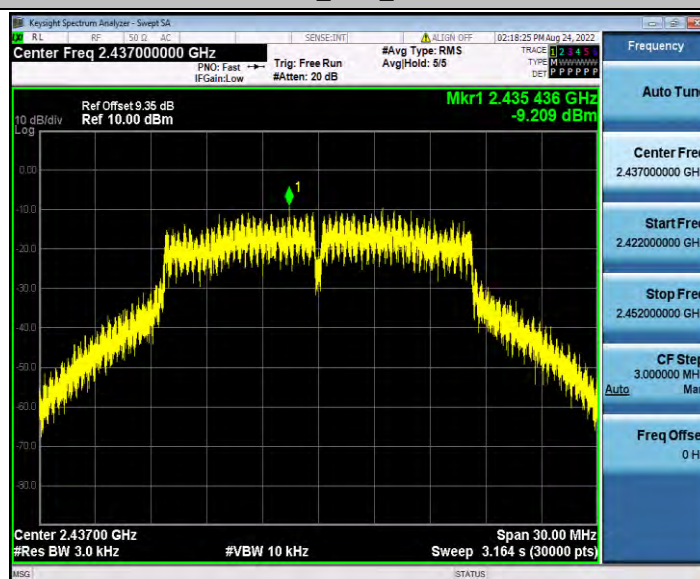
11B_Ant1_2462



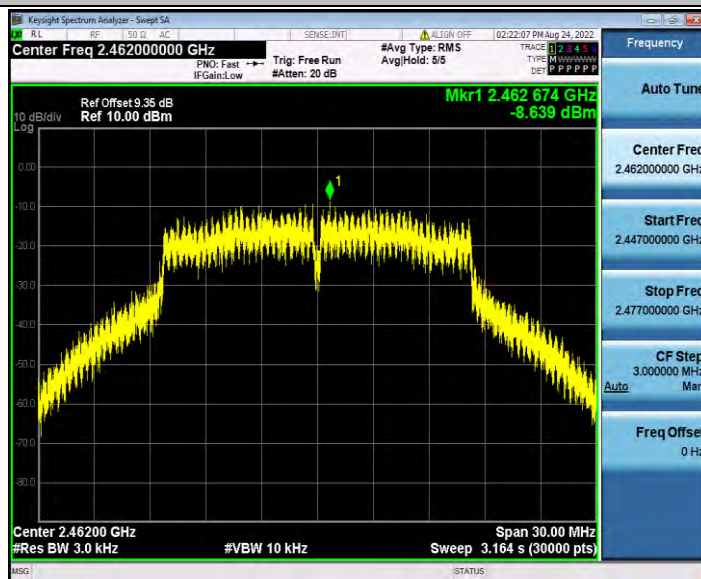
11G_Ant1_2412



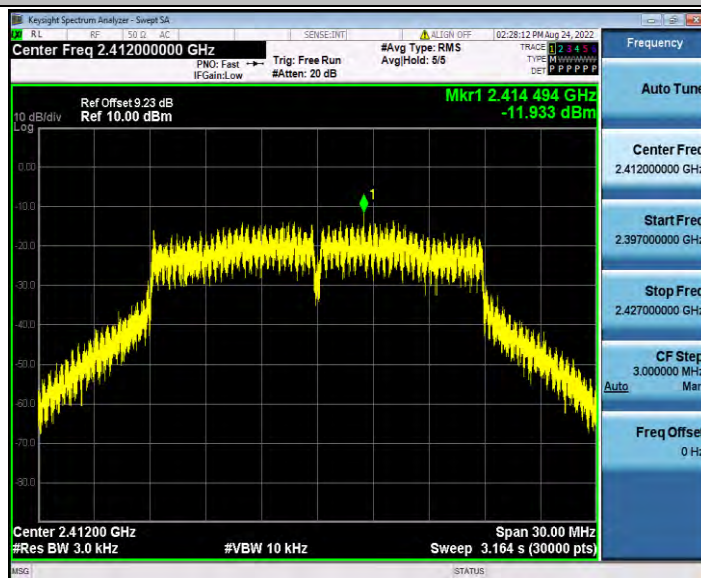
11G_Ant1_2437



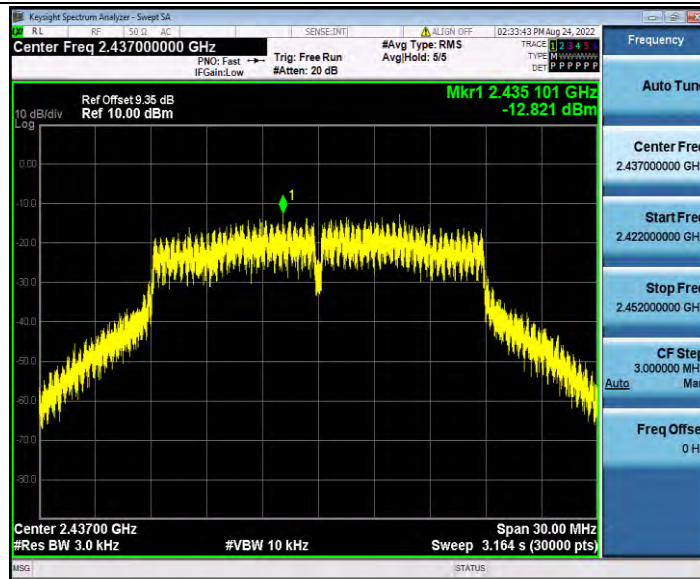
11G_Ant1_2462



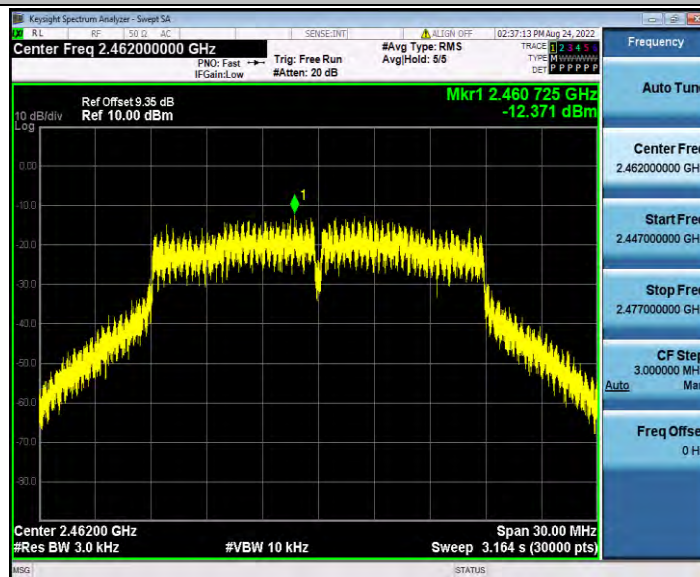
11N20SISO_Ant1_2412



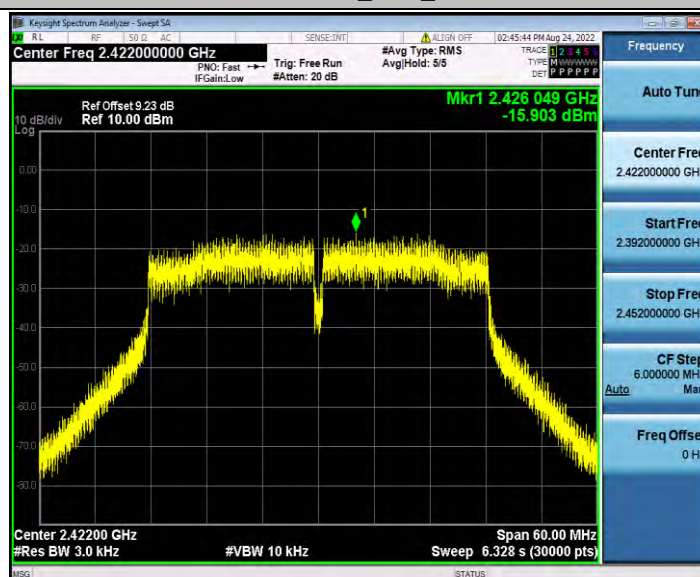
11N20SISO_Ant1_2437



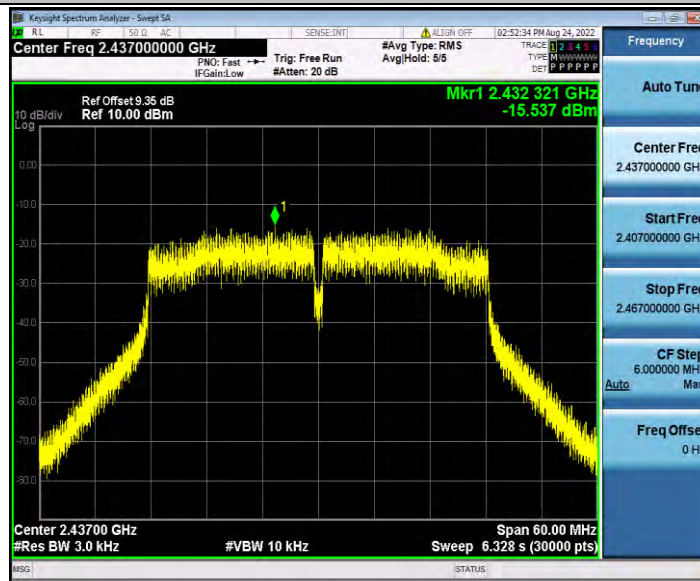
11N20SISO_Ant1_2462



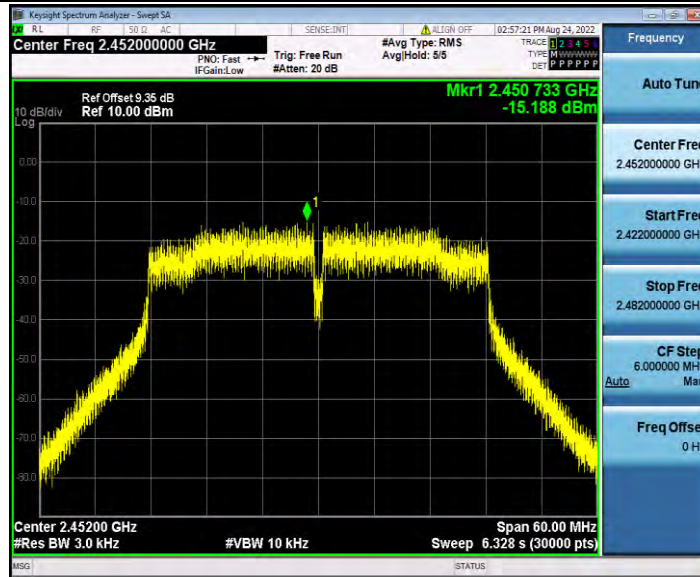
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



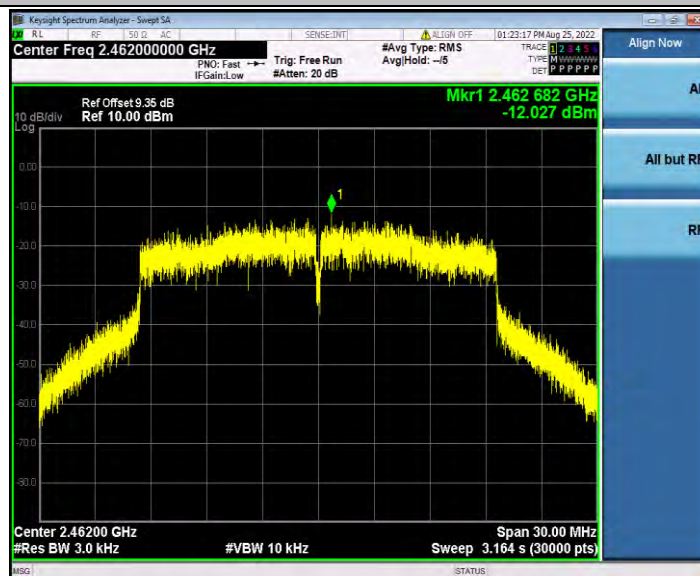
11AX20SISO_Ant1_2412



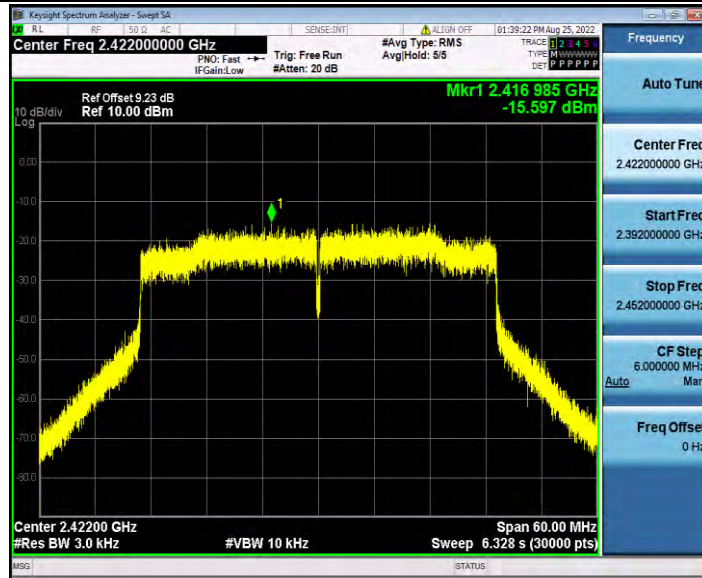
11AX20SISO_Ant1_2437



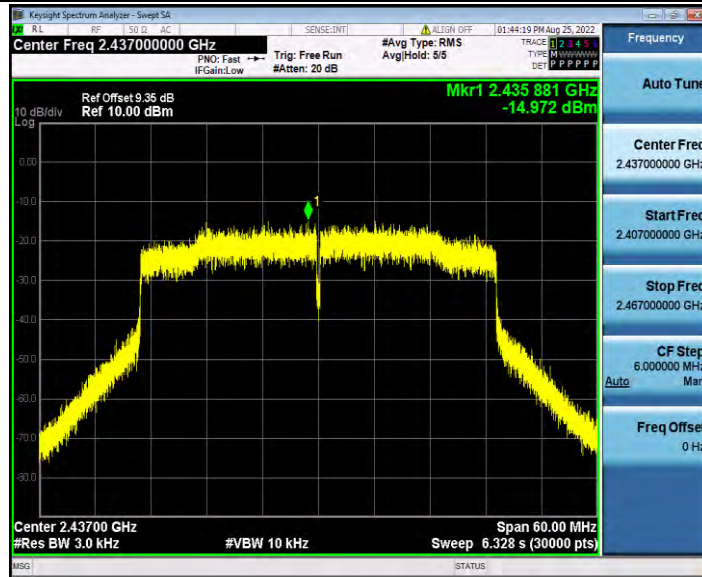
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



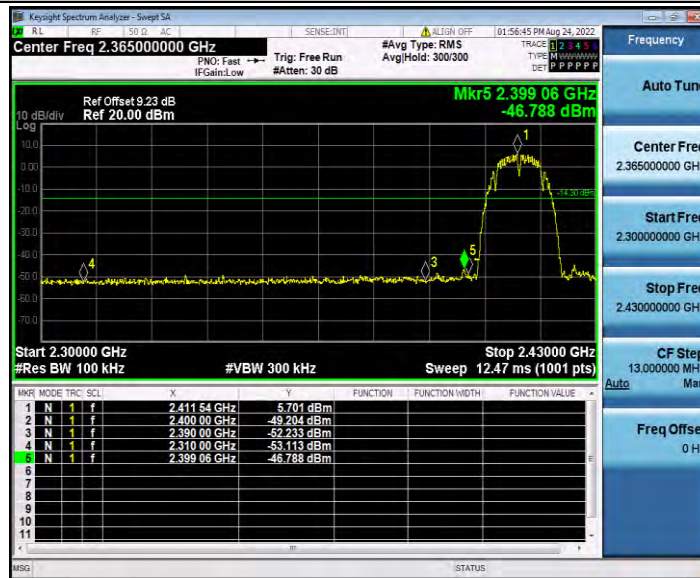
Appendix C.5: Band edge measurements

Test Result

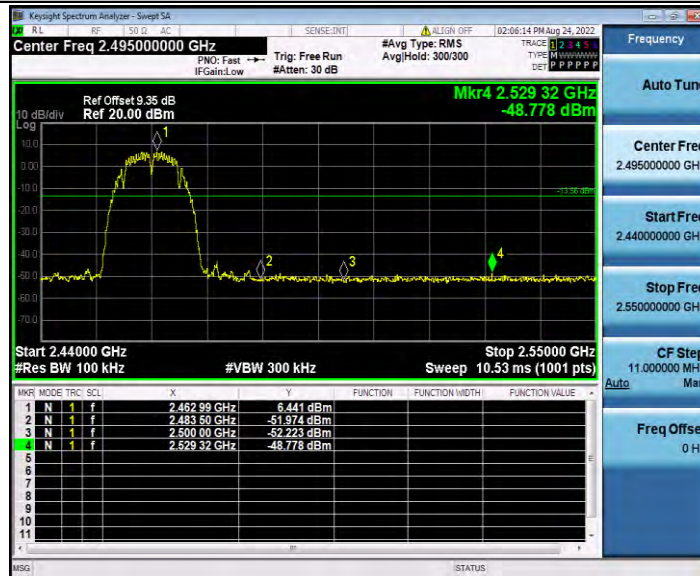
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.70	-46.79	≤-14.3	PASS
		High	2462	6.44	-48.78	≤-13.56	PASS
11G	Ant1	Low	2412	4.91	-23.71	≤-15.09	PASS
		High	2462	5.25	-48.63	≤-14.75	PASS
11N20SISO	Ant1	Low	2412	2.43	-25.05	≤-17.57	PASS
		High	2462	2.57	-49.21	≤-17.43	PASS
11N40SISO	Ant1	Low	2422	-1.09	-34.34	≤-21.09	PASS
		High	2452	-0.44	-48.86	≤-20.44	PASS
11AX20SISO	Ant1	Low	2412	2.81	-24.9	≤-17.19	PASS
		High	2462	4.59	-47.85	≤-15.41	PASS
11AX40SISO	Ant1	Low	2422	-0.39	-30.7	≤-20.39	PASS
		High	2452	1.04	-48.25	≤-18.96	PASS

Test Graphs

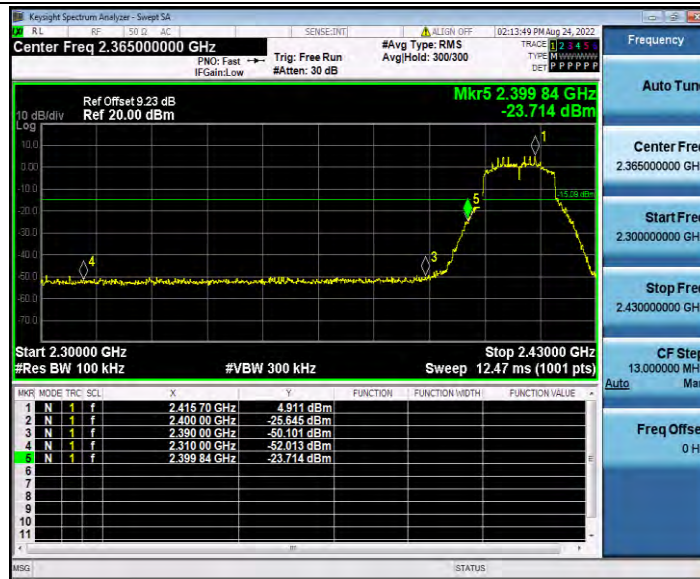
11B_Ant1_Low_2412



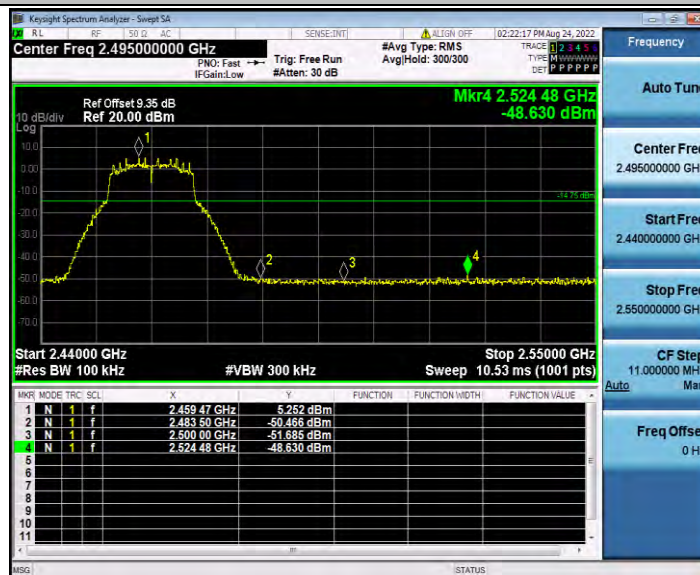
11B_Ant1_High_2462



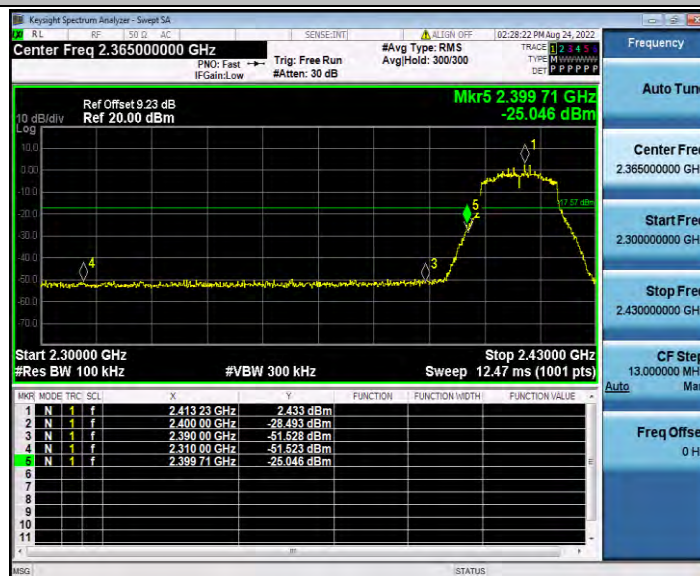
11G_Ant1_Low_2412



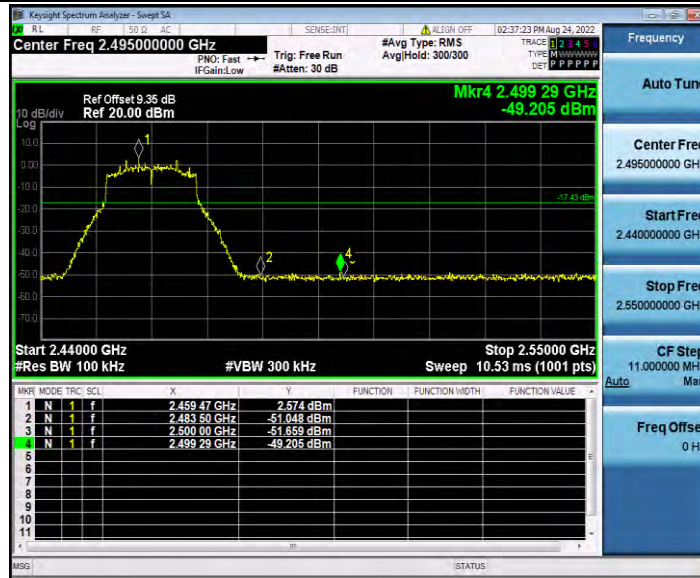
11G_Ant1_High_2462



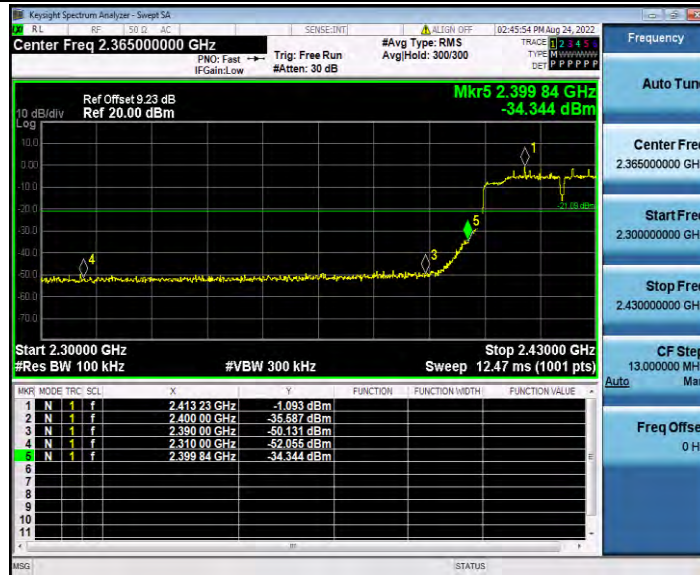
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

