

Case No. : <u>GTS20250825004-3-13</u>
Ambient Condition: <u>24 °C, 48%RH,</u>
Test Date: <u>2025.09.03-2025.09.26</u> Test Engineer: <u>Evan ouyang</u>

AppendixC.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.520	2408.000	2416.520	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	15.680	2428.840	2444.520	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.440	2420.480	0.5	PASS
		2437	16.760	2429.000	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.400	2439.600	0.5	PASS
		2437	35.280	2419.480	2454.760	0.5	PASS
		2452	33.120	2434.480	2467.600	0.5	PASS
11AX20SISO	Ant1	2412	17.160	2403.280	2420.440	0.5	PASS
		2437	18.640	2427.680	2446.320	0.5	PASS
		2462	17.800	2452.680	2470.480	0.5	PASS
11AX40SISO	Ant1	2422	36.320	2403.200	2439.520	0.5	PASS
		2437	37.760	2418.120	2455.880	0.5	PASS
		2452	36.320	2433.200	2469.520	0.5	PASS



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



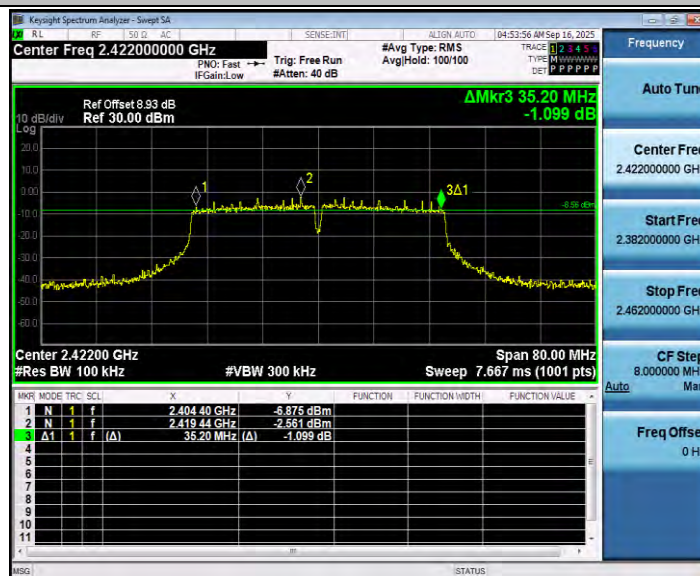
11N20SISO_Ant1_2437



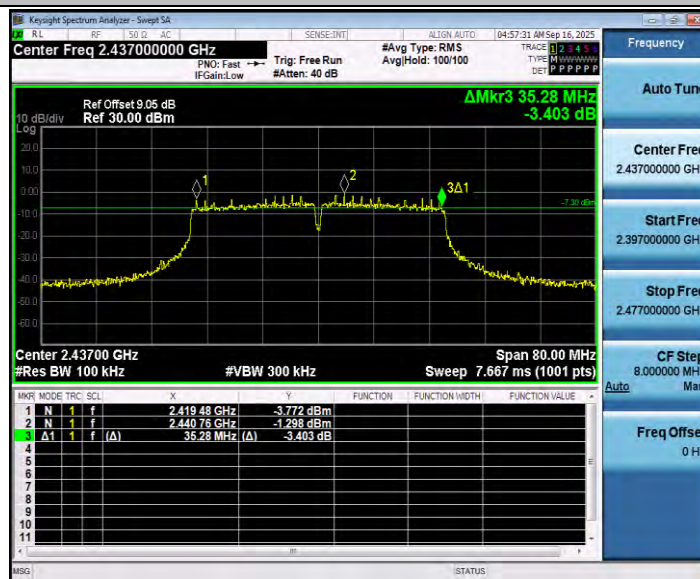
11N20SISO_Ant1_2462



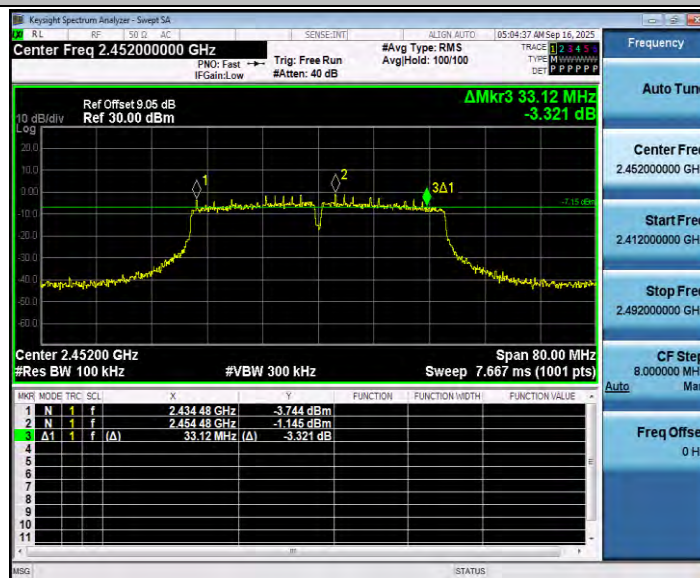
11N40SISO_Ant1_2422



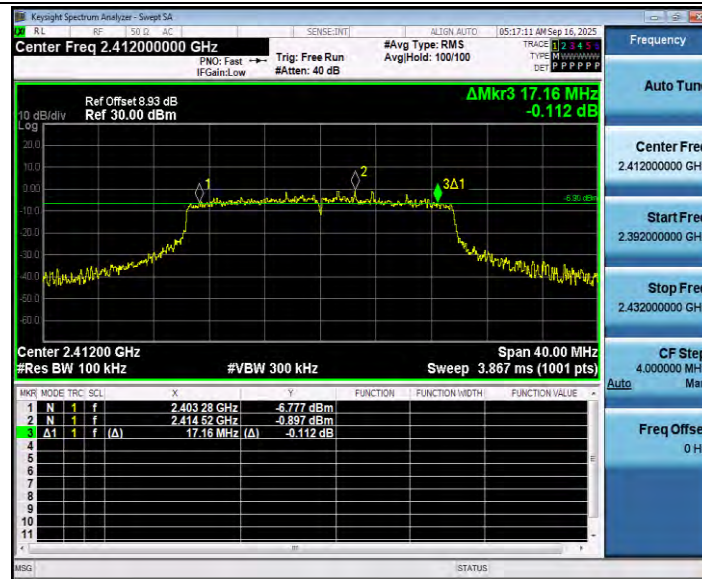
11N40SISO_Ant1_2437



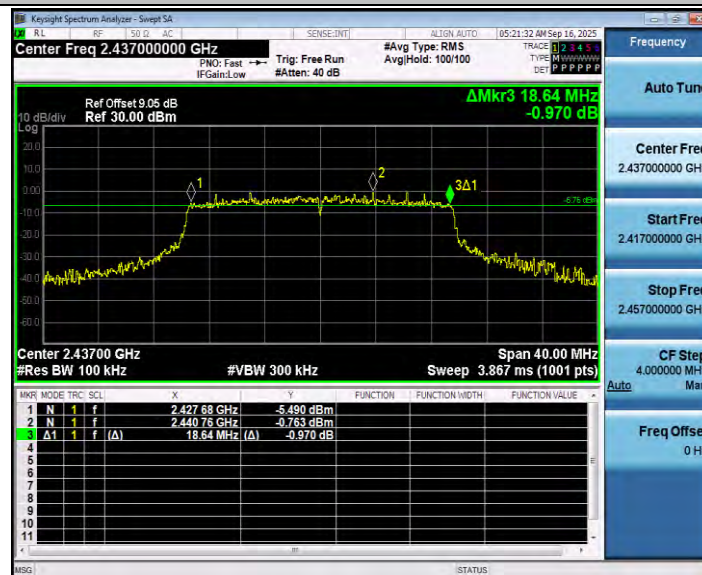
11N40SISO_Ant1_2452



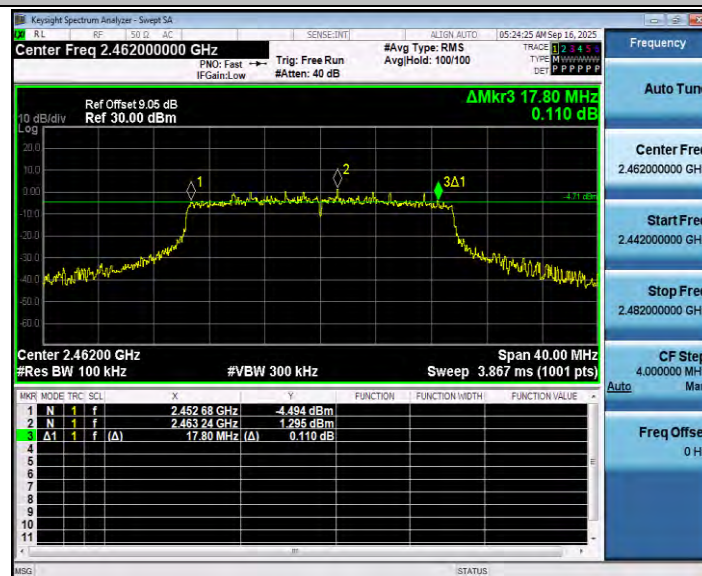
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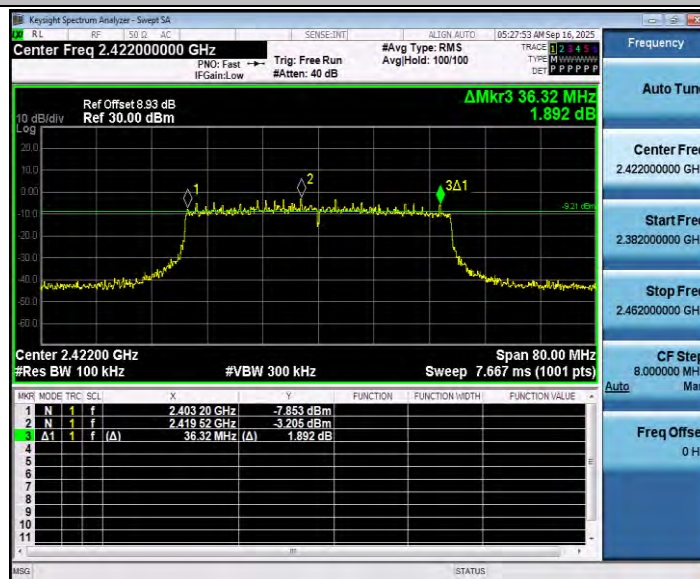
11AX20SISO_Ant1_2437



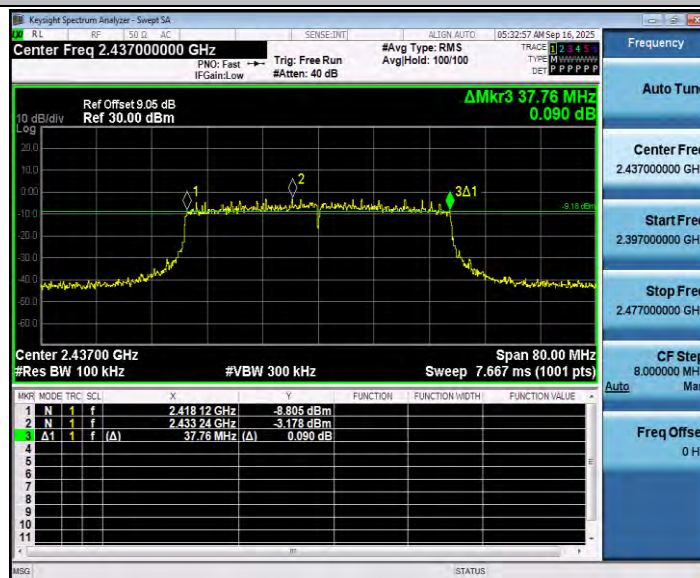
11AX20SISO_Ant1_2462



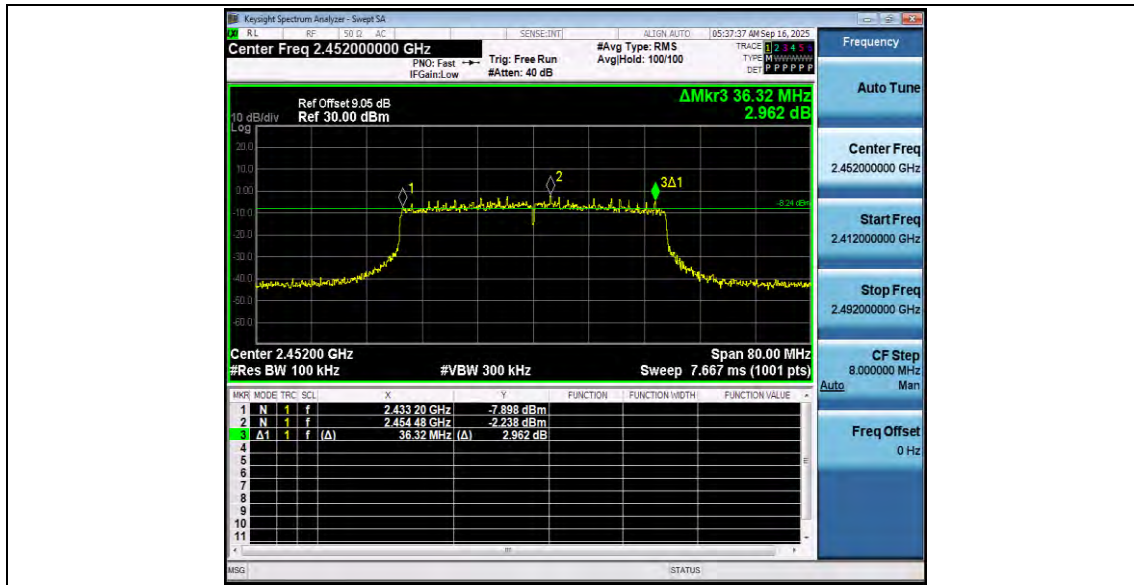
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



AppendixC.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.296	2405.3535	2418.6495	---	---
		2437	13.228	2430.4279	2443.6559	---	---
		2462	13.337	2455.3427	2468.6797	---	---
11G	Ant1	2412	17.381	2403.2713	2420.6523	---	---
		2437	17.305	2428.3445	2445.6495	---	---
		2462	17.344	2453.2540	2470.5980	---	---
11N20SISO	Ant1	2412	18.434	2402.7333	2421.1673	---	---
		2437	18.455	2427.8133	2446.2683	---	---
		2462	18.440	2452.7685	2471.2085	---	---
11N40SISO	Ant1	2422	36.720	2403.5992	2440.3192	---	---
		2437	36.803	2418.6149	2455.4179	---	---
		2452	36.744	2433.6194	2470.3634	---	---
11AX20SISO	Ant1	2412	19.202	2402.3607	2421.5627	---	---
		2437	19.238	2427.4218	2446.6598	---	---
		2462	19.210	2452.3687	2471.5787	---	---
11AX40SISO	Ant1	2422	38.004	2402.9303	2440.9343	---	---
		2437	37.888	2418.1022	2455.9902	---	---
		2452	38.072	2433.0125	2471.0845	---	---

Test Graphs

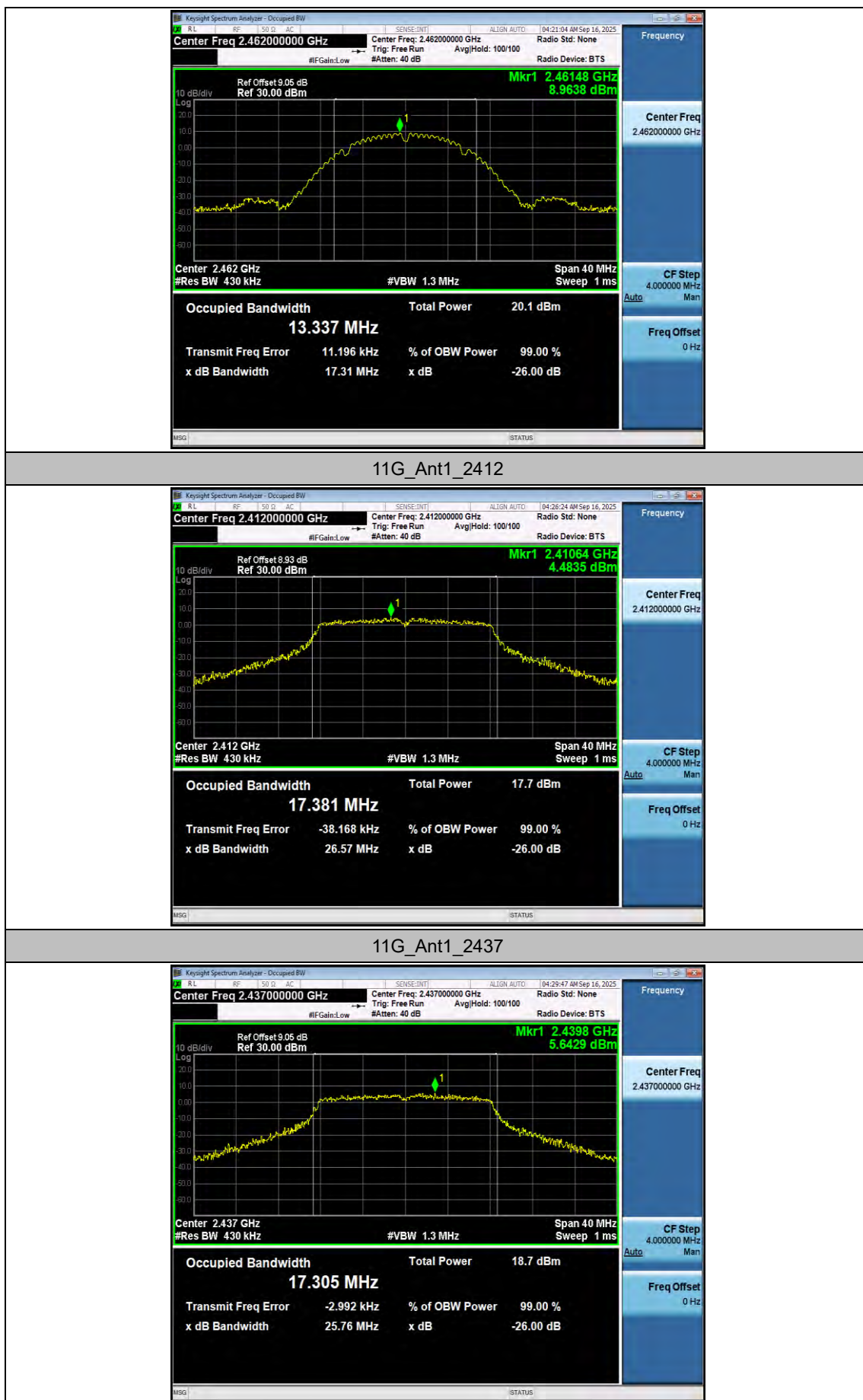
11B_Ant1_2412



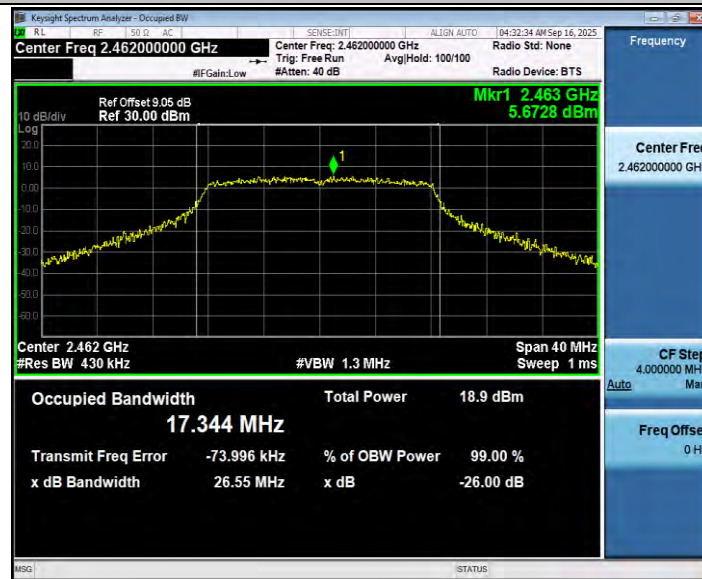
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2462



11N20SISO_Ant1_2412



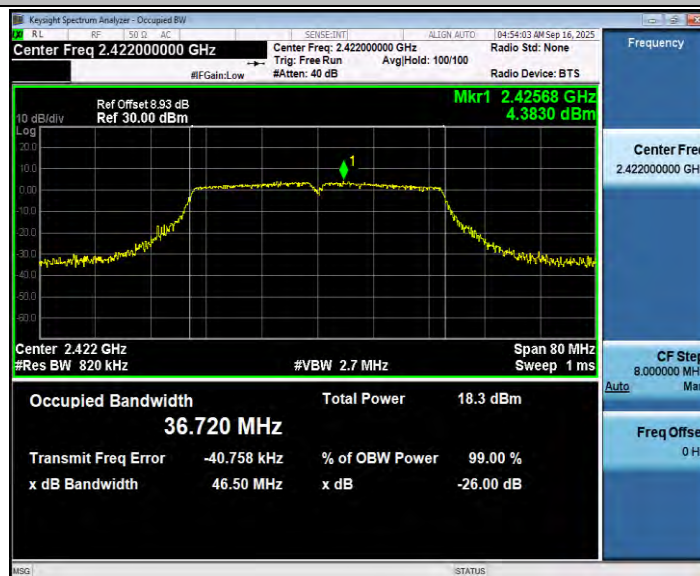
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



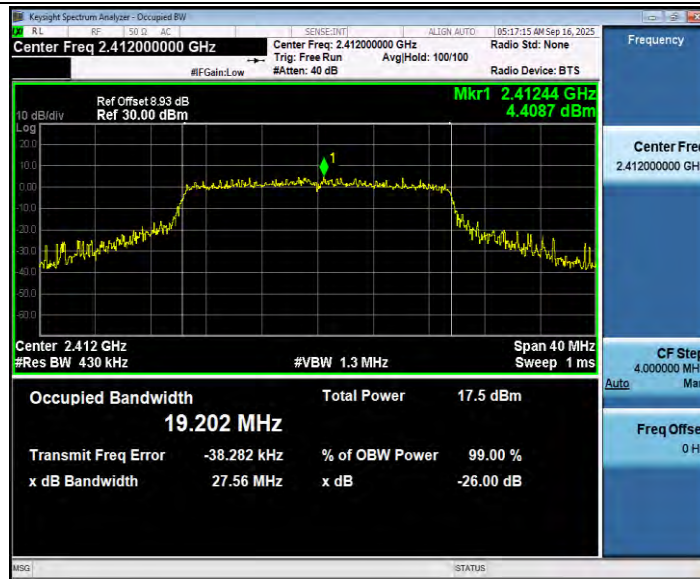
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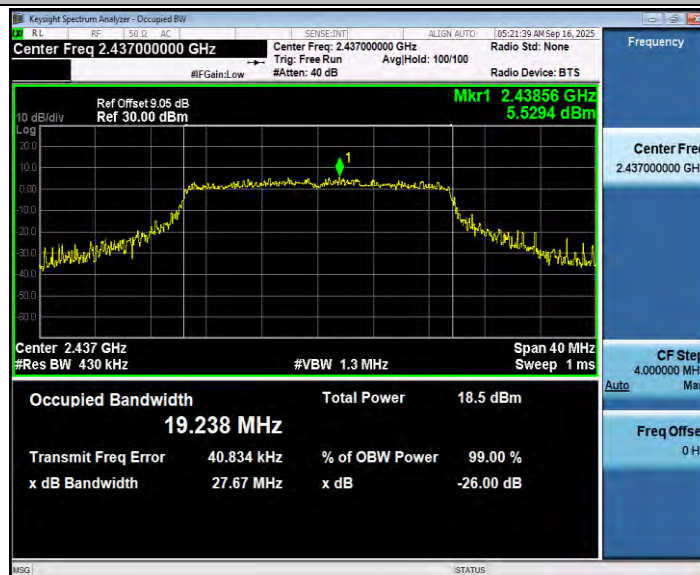
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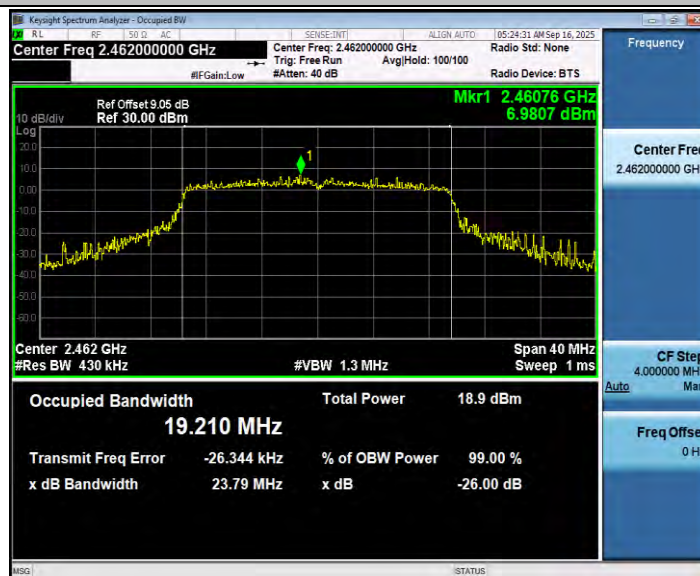
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



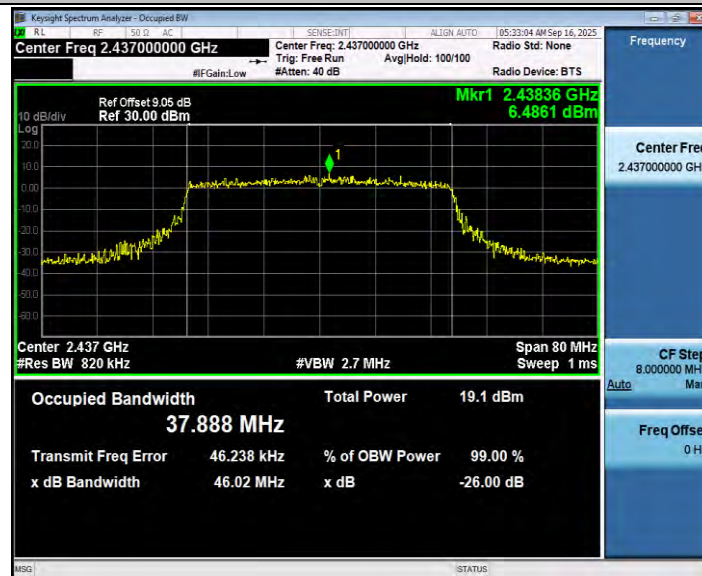
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



AppendixC.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	18.73	≤30.00	PASS
		2437	18.96	≤30.00	PASS
		2462	20.16	≤30.00	PASS
11G	Ant1	2412	18.79	≤30.00	PASS
		2437	19.74	≤30.00	PASS
		2462	20.06	≤30.00	PASS
11N20SISO	Ant1	2412	18.74	≤30.00	PASS
		2437	19.60	≤30.00	PASS
		2462	19.95	≤30.00	PASS
11N40SISO	Ant1	2422	18.71	≤30.00	PASS
		2437	19.64	≤30.00	PASS
		2452	19.47	≤30.00	PASS
11AX20SISO	Ant1	2412	18.32	≤30.00	PASS
		2437	19.08	≤30.00	PASS
		2462	19.56	≤30.00	PASS
11AX40SISO	Ant1	2422	18.07	≤30.00	PASS
		2437	19.12	≤30.00	PASS
		2452	19.04	≤30.00	PASS

AppendixC.4: Maximum power spectral density

Test Result

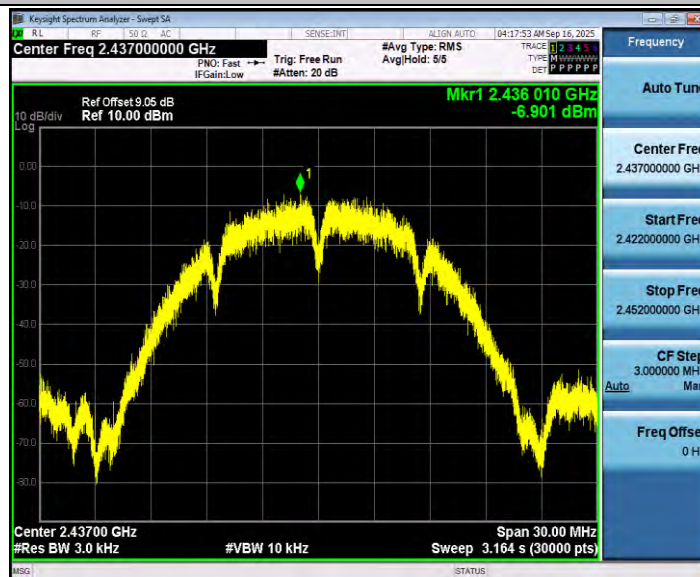
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.22	≤8.00	PASS
		2437	-6.90	≤8.00	PASS
		2462	-5.27	≤8.00	PASS
11G	Ant1	2412	-12.97	≤8.00	PASS
		2437	-12.70	≤8.00	PASS
		2462	-12.77	≤8.00	PASS
11N20SISO	Ant1	2412	-13.68	≤8.00	PASS
		2437	-12.96	≤8.00	PASS
		2462	-12.57	≤8.00	PASS
11N40SISO	Ant1	2422	-16.87	≤8.00	PASS
		2437	-16.00	≤8.00	PASS
		2452	-15.76	≤8.00	PASS
11AX20SISO	Ant1	2412	-15.81	≤8.00	PASS
		2437	-15.27	≤8.00	PASS
		2462	-13.15	≤8.00	PASS
11AX40SISO	Ant1	2422	-18.96	≤8.00	PASS
		2437	-17.67	≤8.00	PASS
		2452	-17.34	≤8.00	PASS

Test Graphs

11B_Ant1_2412



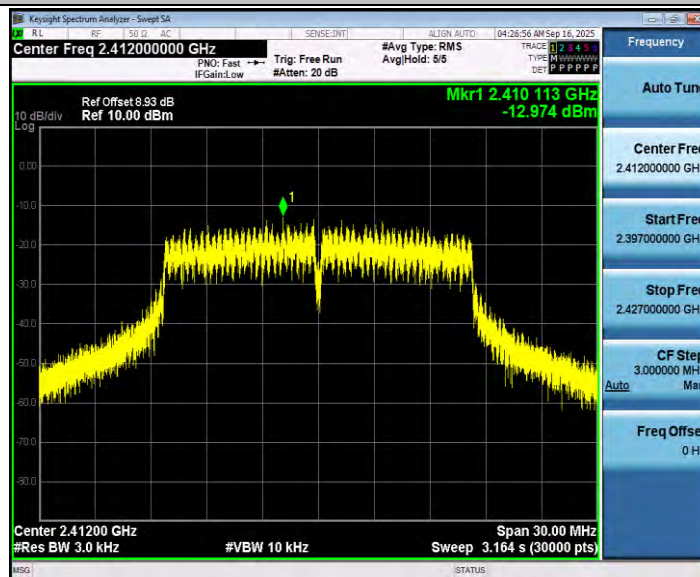
11B_Ant1_2437



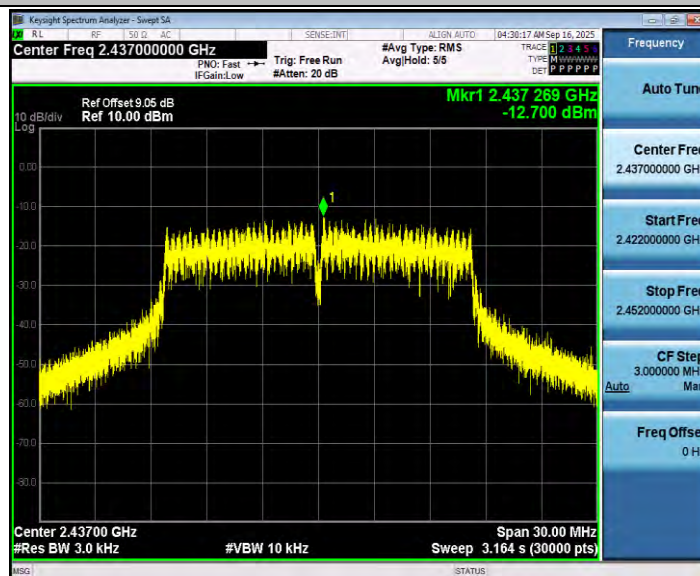
11B_Ant1_2462



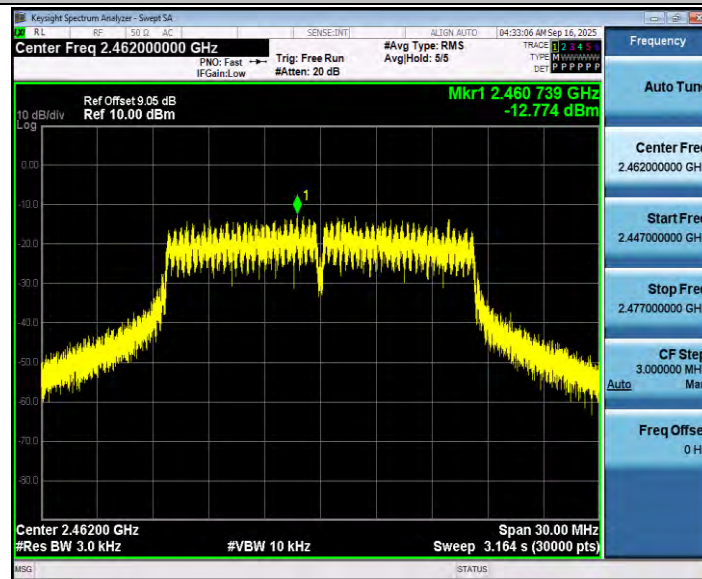
11G_Ant1_2412



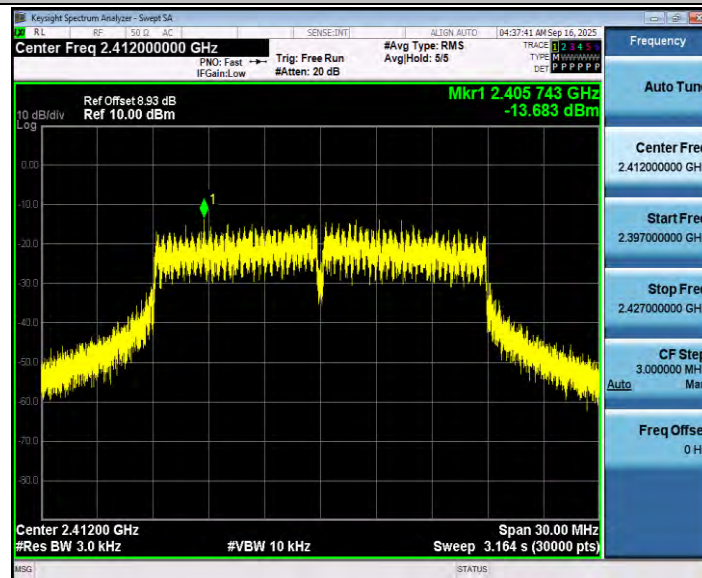
11G_Ant1_2437



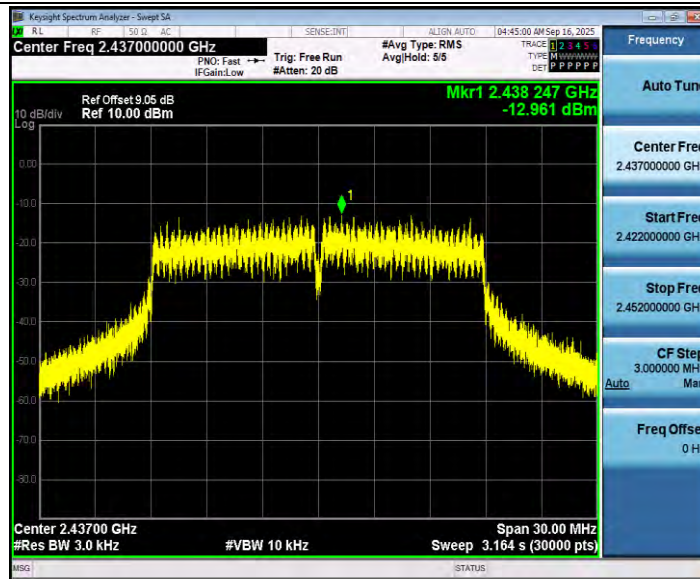
11G_Ant1_2462



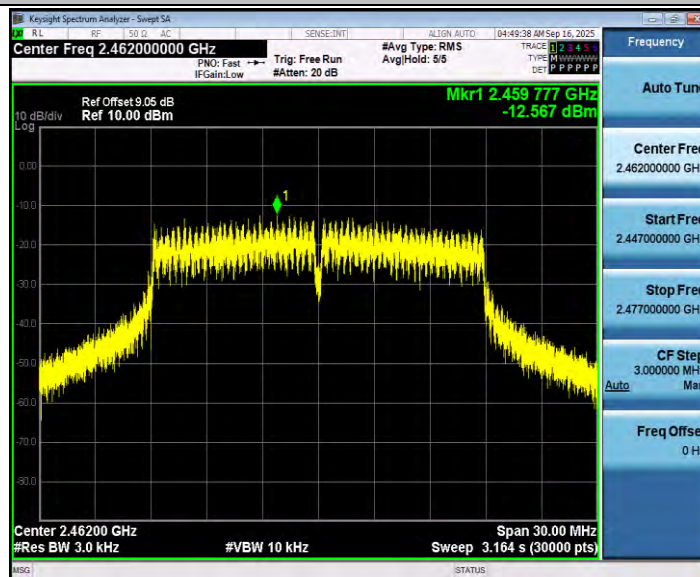
11N20SISO_Ant1_2412



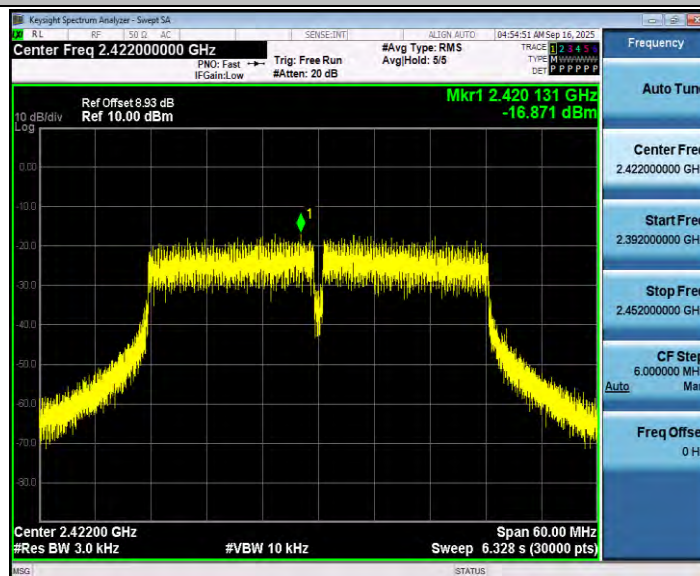
11N20SISO_Ant1_2437



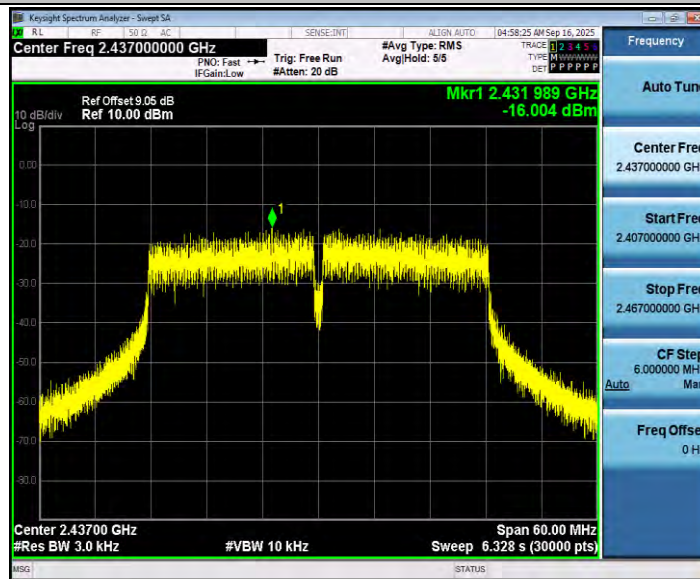
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



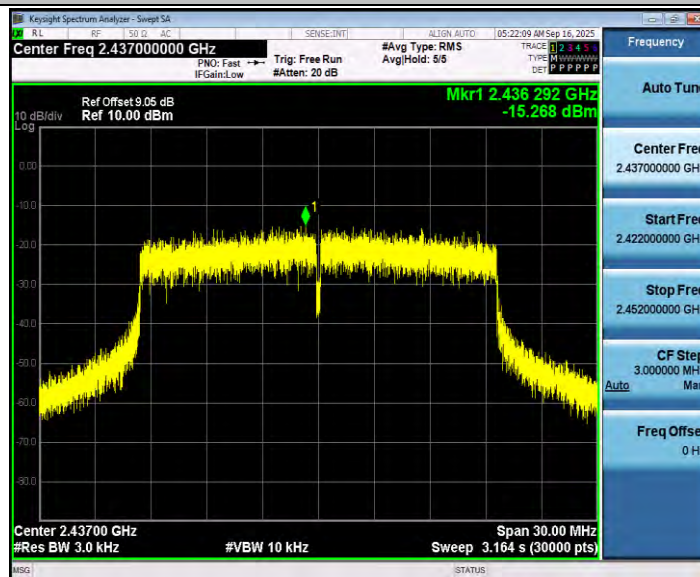
11N40SISO_Ant1_2452



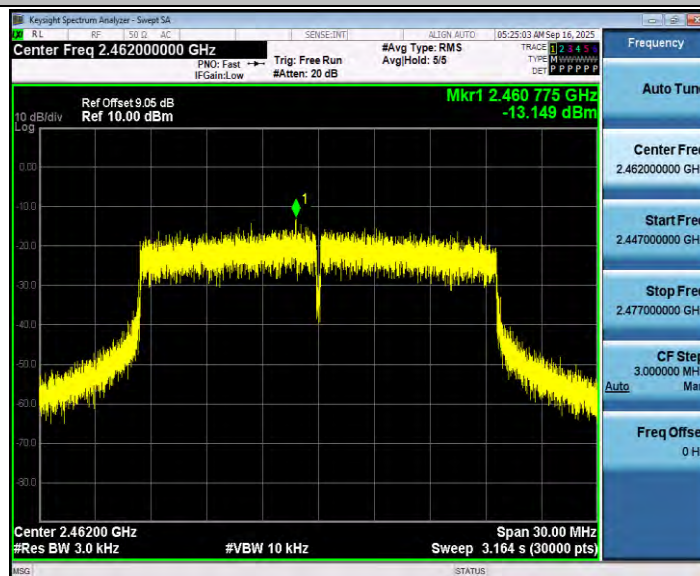
11AX20SISO_Ant1_2412



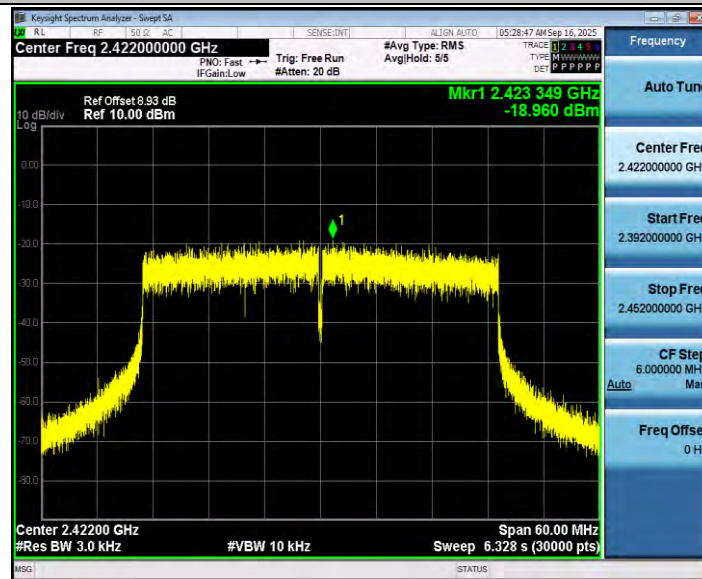
11AX20ISO_Ant1_2437



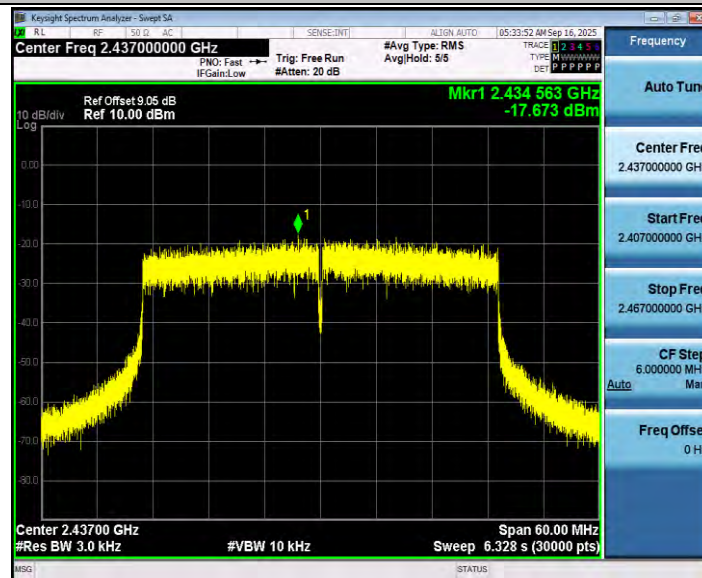
11AX20ISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

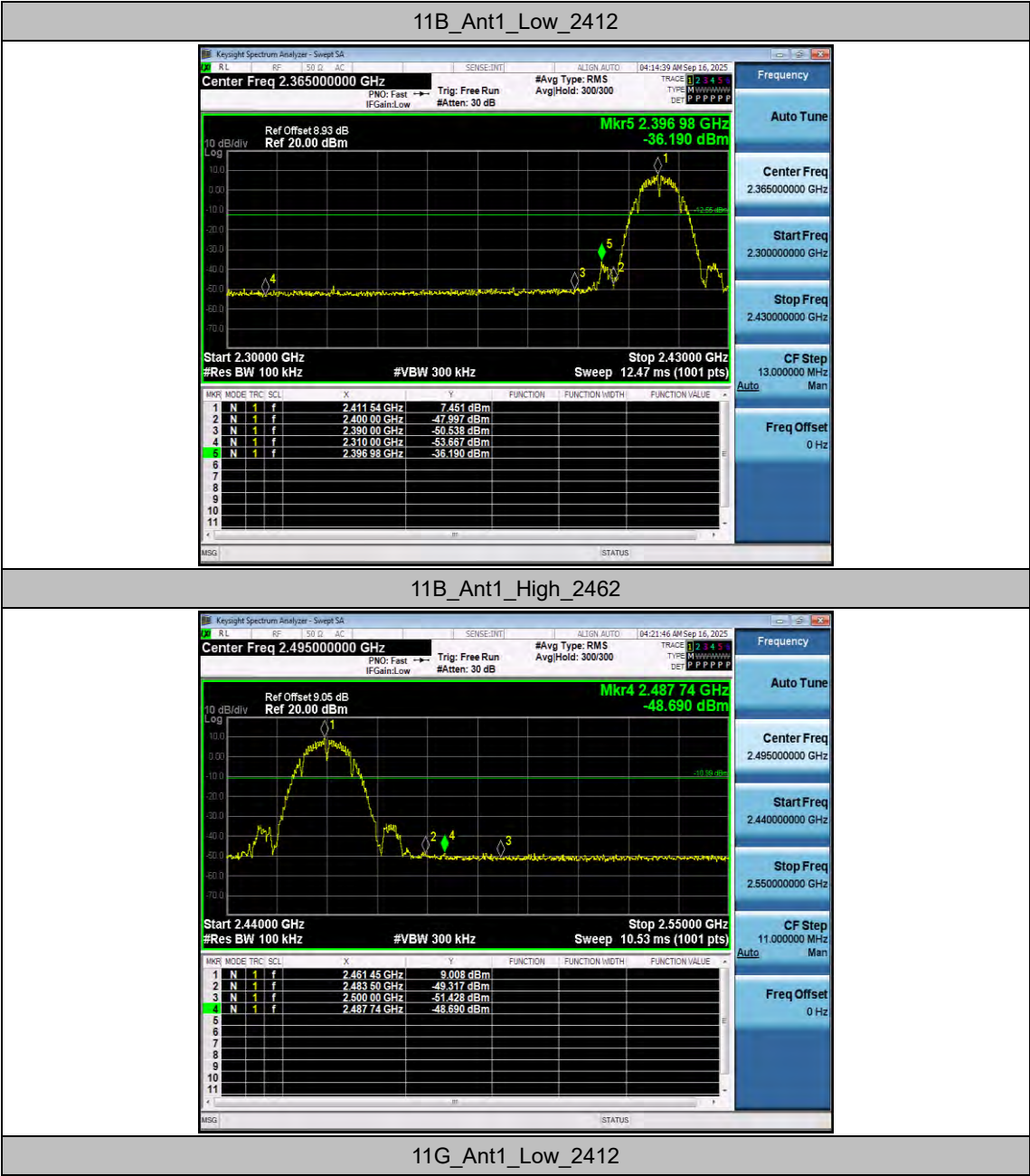


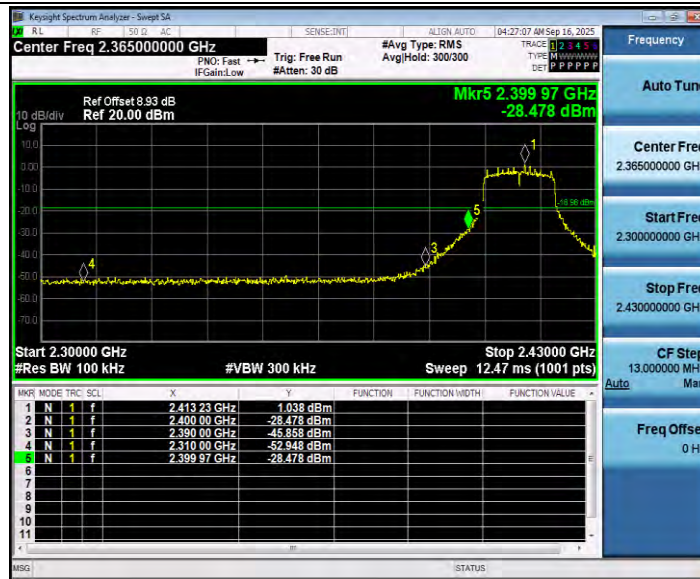
Appendix C.5: Band edge measurements

Test Result

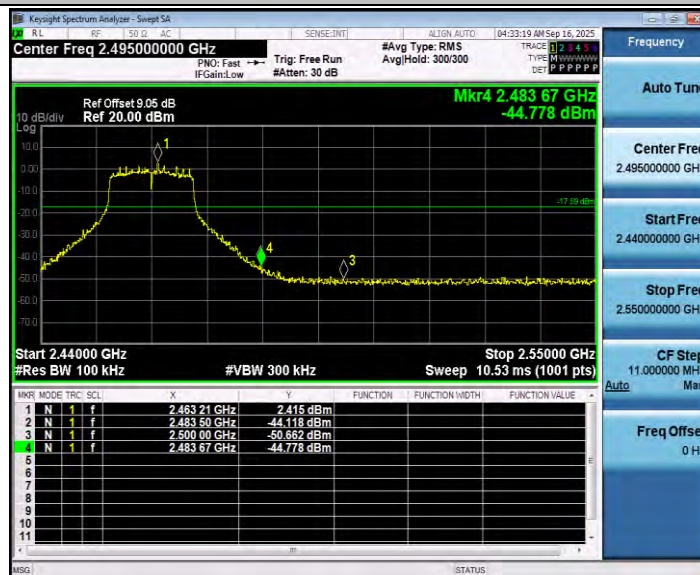
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.45	-36.19	≤ -12.55	PASS
		High	2462	9.01	-48.69	≤ -10.99	PASS
11G	Ant1	Low	2412	1.04	-28.48	≤ -18.96	PASS
		High	2462	2.42	-44.78	≤ -17.59	PASS
11N20SISO	Ant1	Low	2412	0.11	-28.32	≤ -19.89	PASS
		High	2462	1.72	-44.89	≤ -18.28	PASS
11N40SISO	Ant1	Low	2422	-2.31	-32.85	≤ -22.31	PASS
		High	2452	-1.19	-43.4	≤ -21.19	PASS
11AX20SISO	Ant1	Low	2412	-0.67	-28.76	≤ -20.67	PASS
		High	2462	0.78	-43.88	≤ -19.22	PASS
11AX40SISO	Ant1	Low	2422	-3.32	-34.3	≤ -23.32	PASS
		High	2452	-2.25	-45.5	≤ -22.25	PASS

Test Graphs

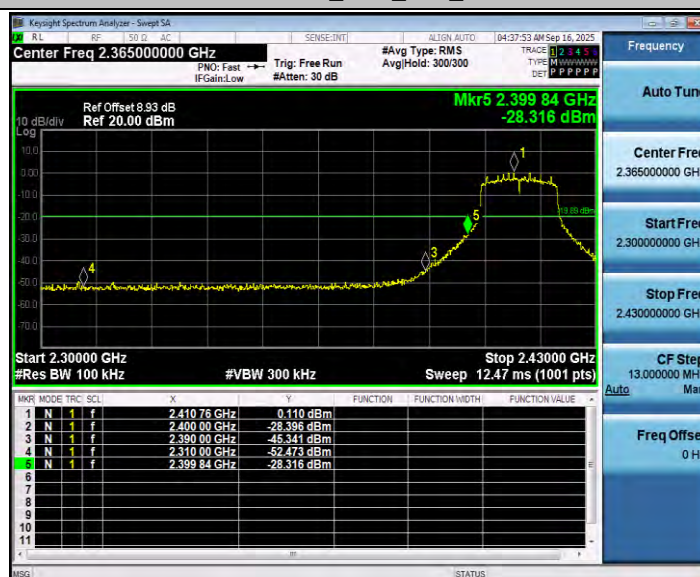




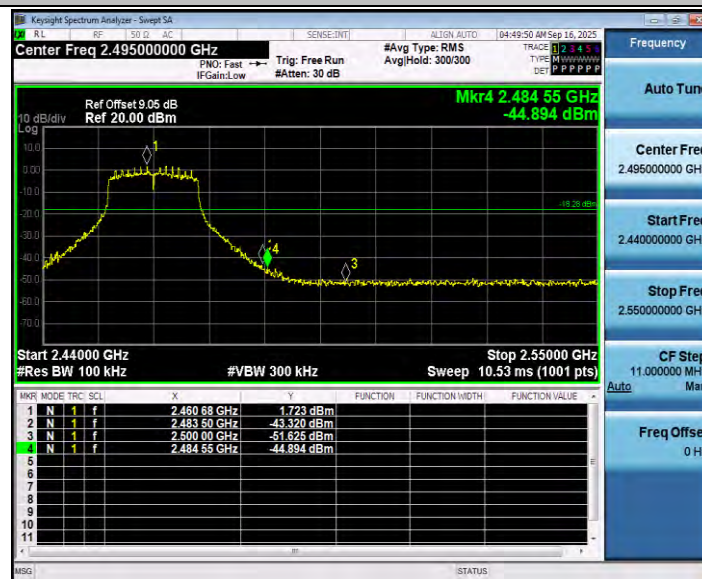
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



