

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BQD5-P55

Company : Shenzhen Jienuowei Electronic Technology
Development Co., Ltd.

EUT : Security camera

Model Number : P55

Report No. : CTA25111000801

Reviewed By : Eric Wang

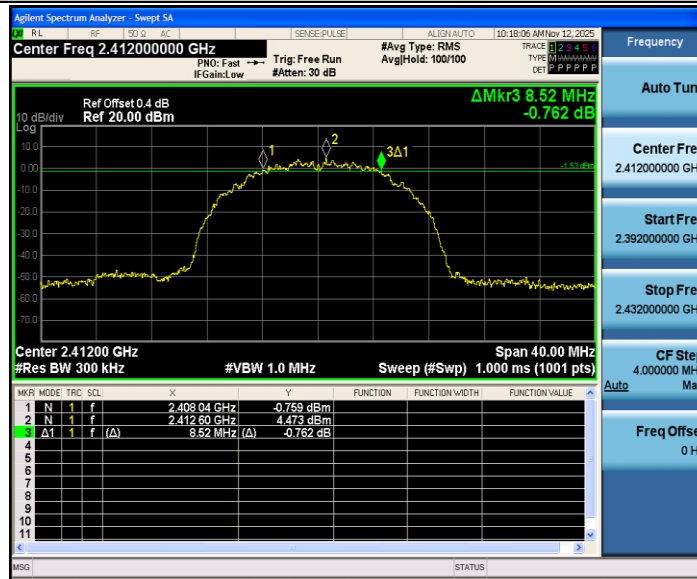
Appendix A: DTS Bandwidth

Test Result

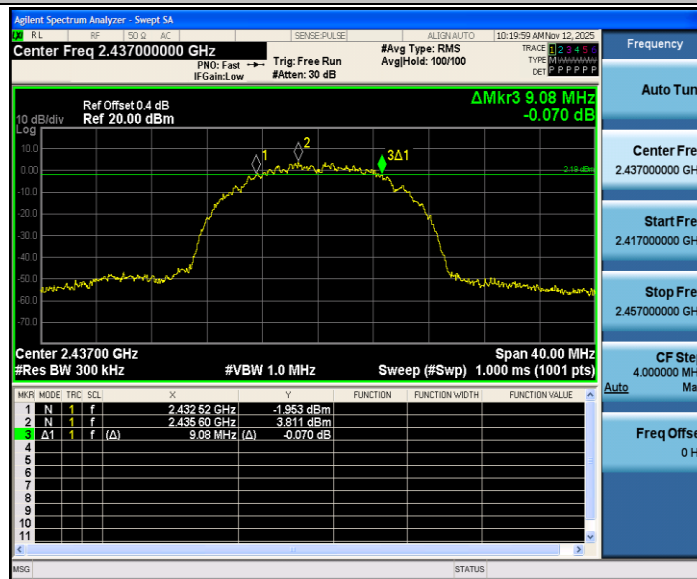
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.520	2408.040	2416.560	0.5	PASS
		2437	9.080	2432.520	2441.600	0.5	PASS
		2462	8.280	2458.040	2466.320	0.5	PASS
11G	Ant1	2412	16.360	2403.880	2420.240	0.5	PASS
		2437	16.320	2428.880	2445.200	0.5	PASS
		2462	16.400	2453.840	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.400	2420.720	0.5	PASS
		2437	17.160	2428.400	2445.560	0.5	PASS
		2462	17.160	2453.480	2470.640	0.5	PASS
11N40SISO	Ant1	2422	33.680	2405.360	2439.040	0.5	PASS
		2437	33.760	2420.360	2454.120	0.5	PASS
		2452	34.240	2435.040	2469.280	0.5	PASS

Test Graphs

11B_Ant1_2412



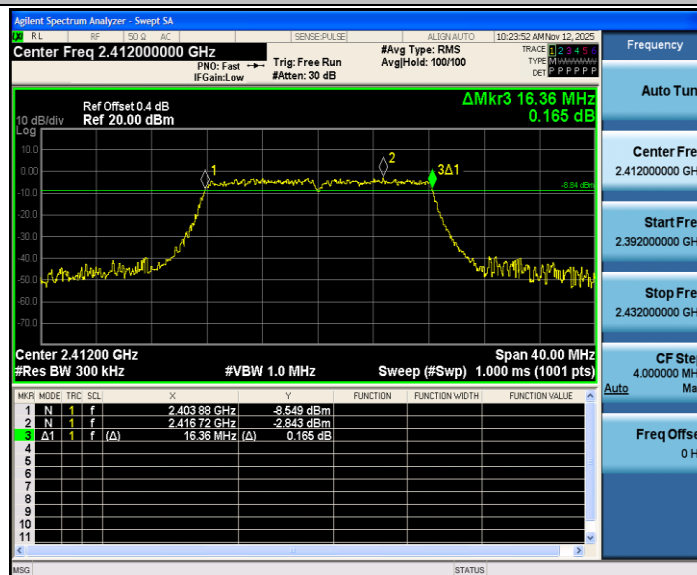
11B_Ant1_2437



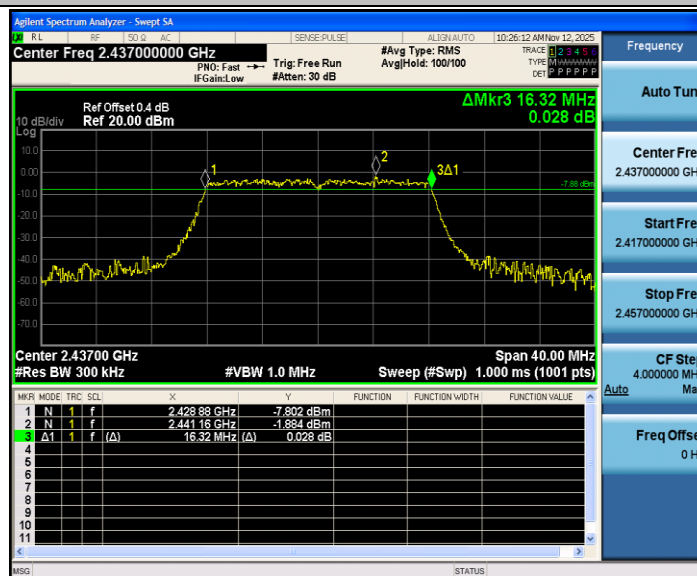
11B_Ant1_2462

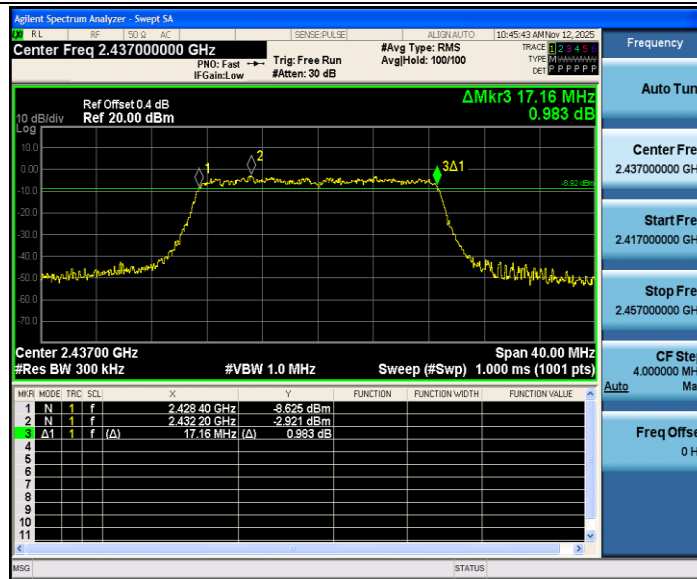


11G_Ant1_2412

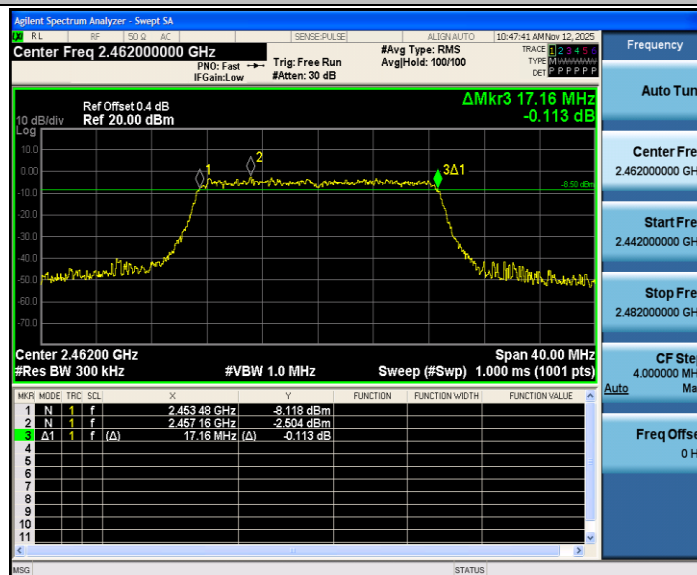


11G_Ant1_2437

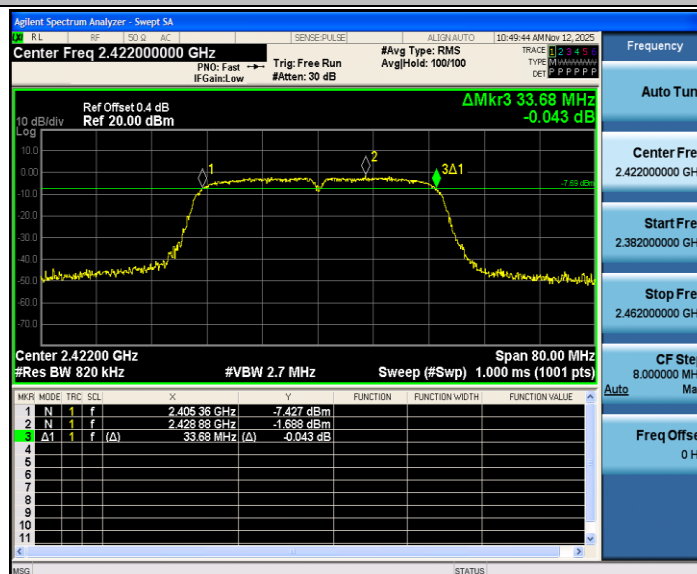




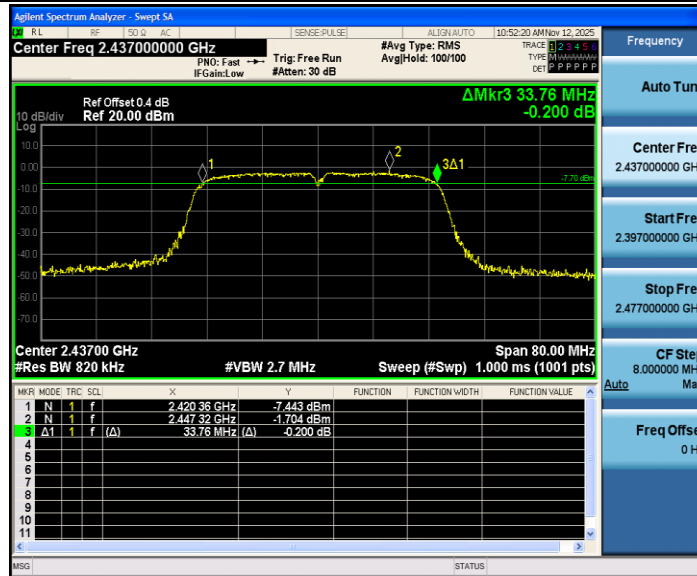
11N20SISO_Ant1_2462



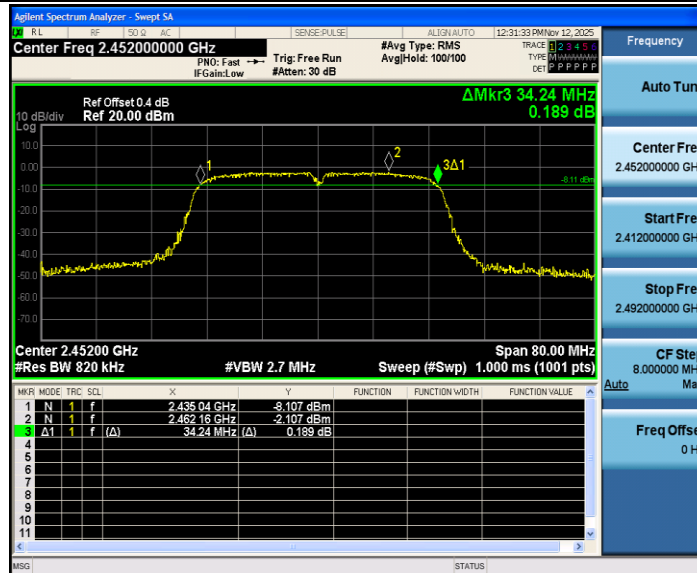
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



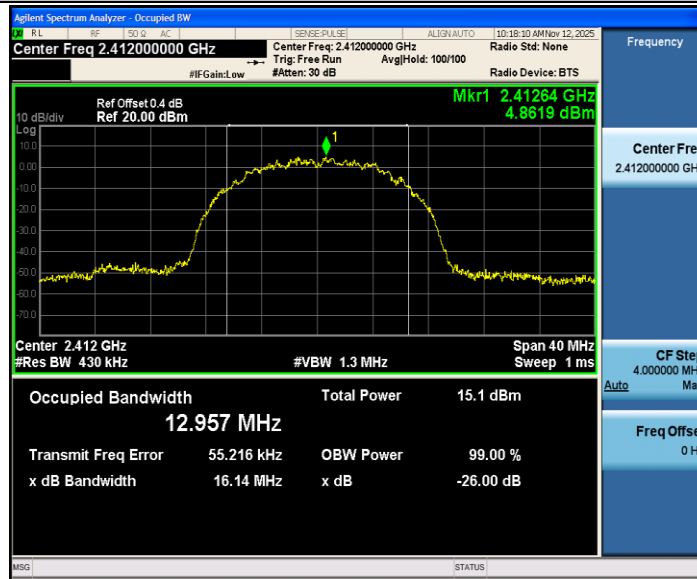
Appendix B: Occupied Channel Bandwidth

Test Result

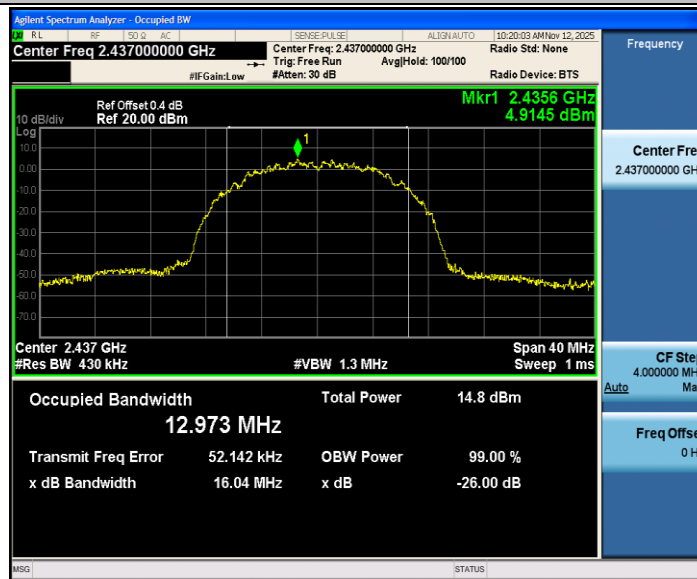
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.957	2405.5767	2418.5337	---	---
		2437	12.973	2430.5656	2443.5386	---	---
		2462	12.952	2455.5311	2468.4831	---	---
11G	Ant1	2412	16.585	2403.7462	2420.3312	---	---
		2437	16.574	2428.7498	2445.3238	---	---
		2462	16.551	2453.7522	2470.3032	---	---
11N20SISO	Ant1	2412	17.454	2403.3175	2420.7715	---	---
		2437	17.461	2428.3103	2445.7713	---	---
		2462	17.460	2453.3082	2470.7682	---	---
11N40SISO	Ant1	2422	34.842	2404.7595	2439.6015	---	---
		2437	34.799	2419.7295	2454.5285	---	---
		2452	34.797	2434.7169	2469.5139	---	---

Test Graphs

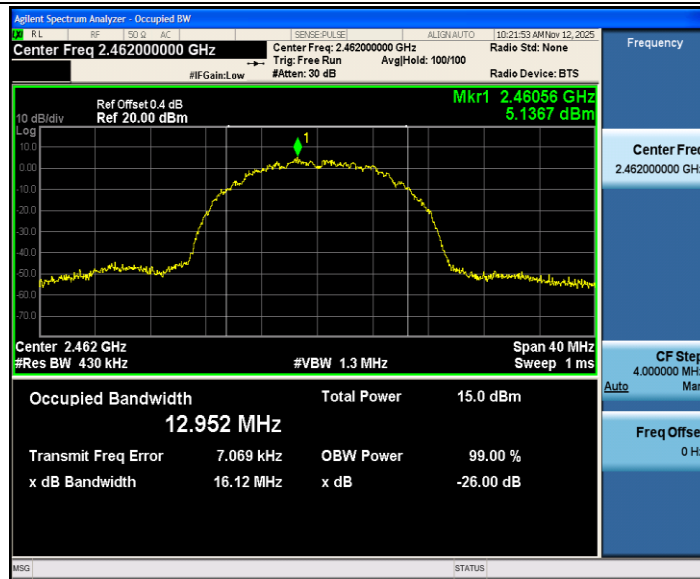
11B_Ant1_2412



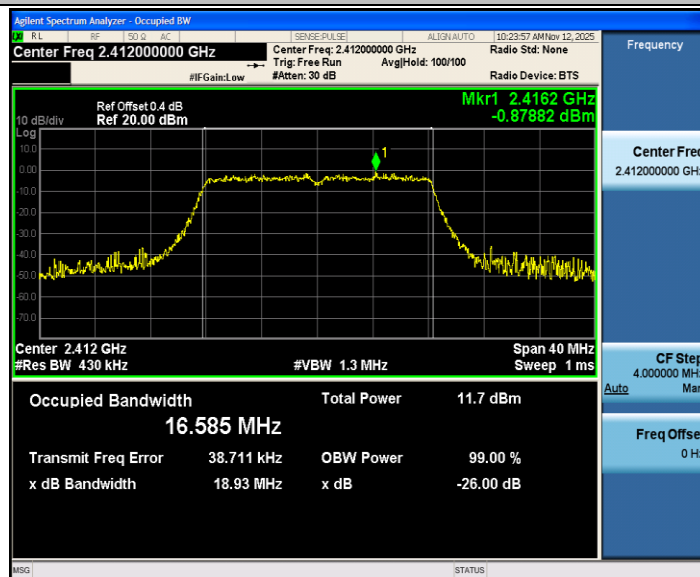
11B_Ant1_2437



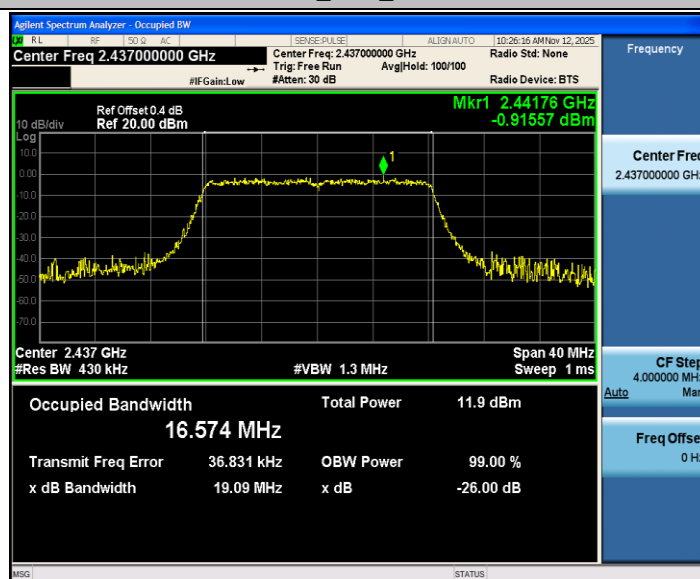
11B_Ant1_2462



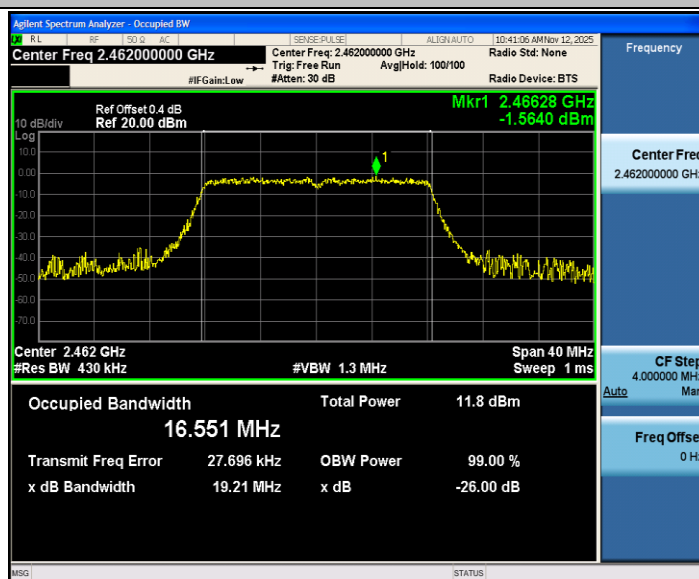
11G_Ant1_2412



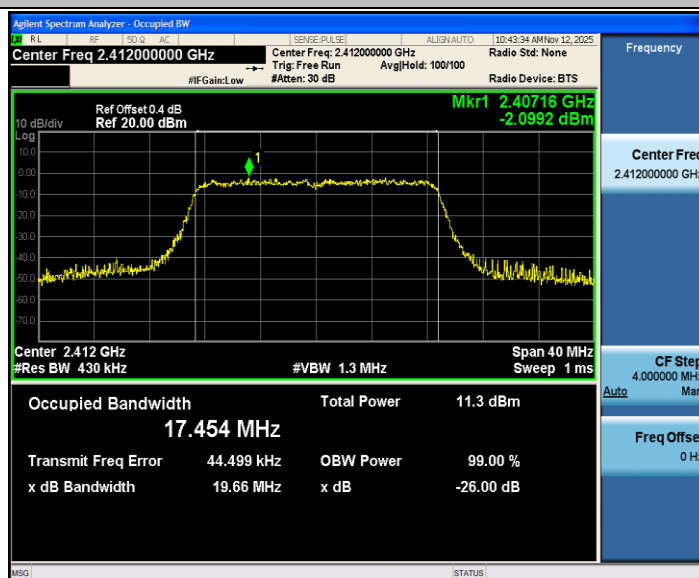
11G_Ant1_2437



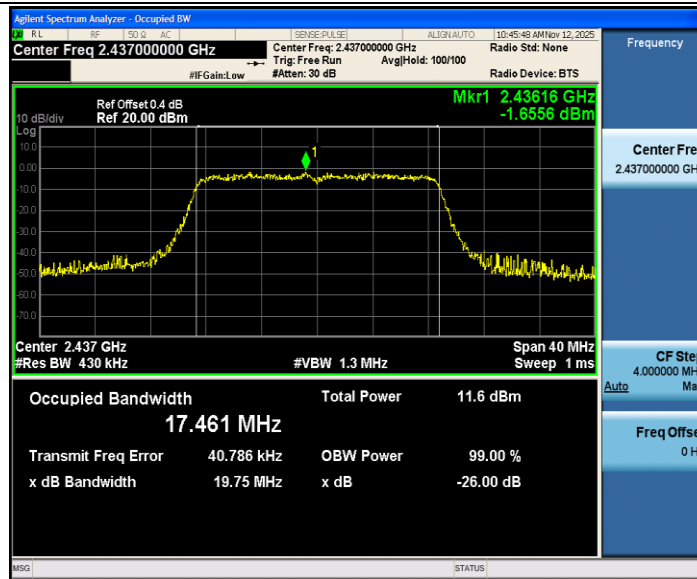
11G_Ant1_2462



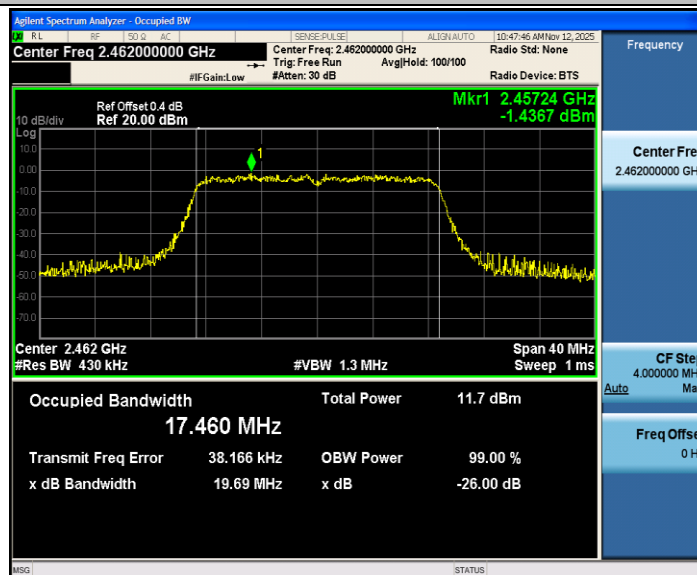
11N20SISO_Ant1_2412



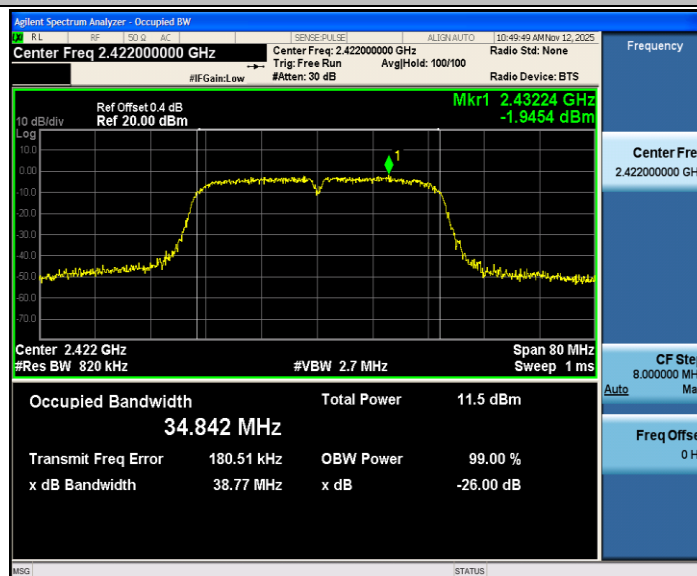
11N20SISO_Ant1_2437



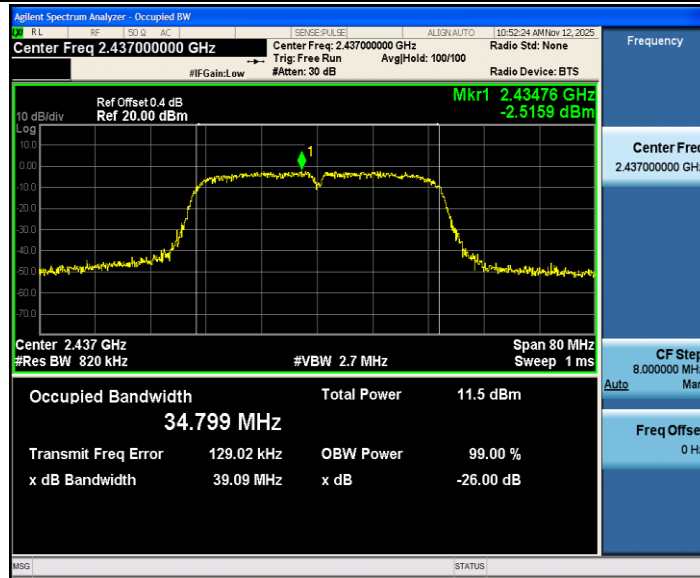
11N20SISO_Ant1_2462



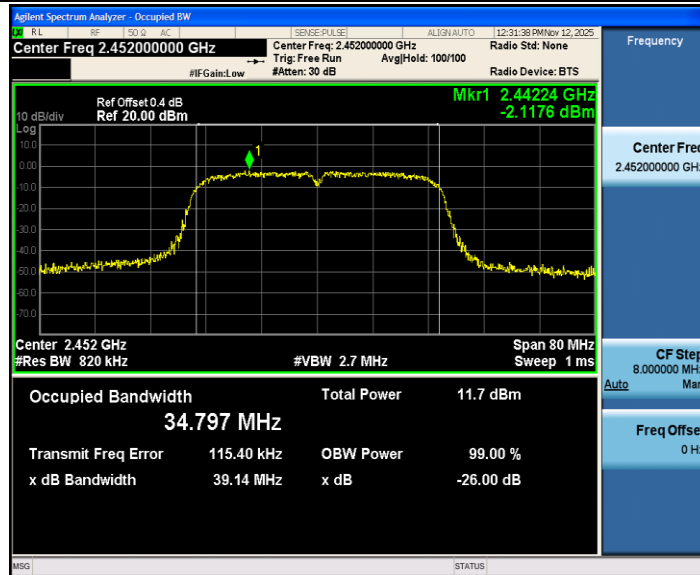
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.60	≤30.00	PASS
		2437	14.46	≤30.00	PASS
		2462	14.24	≤30.00	PASS
11G	Ant1	2412	12.57	≤30.00	PASS
		2437	12.77	≤30.00	PASS
		2462	12.56	≤30.00	PASS
11N20SISO	Ant1	2412	12.57	≤30.00	PASS
		2437	12.86	≤30.00	PASS
		2462	12.87	≤30.00	PASS
11N40SISO	Ant1	2422	11.64	≤30.00	PASS
		2437	11.75	≤30.00	PASS
		2452	11.88	≤30.00	PASS

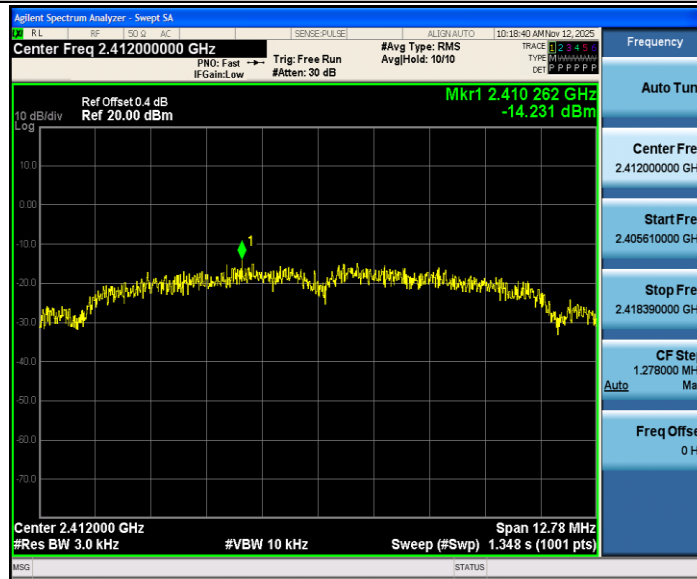
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.23	≤8.00	PASS
		2437	-14.50	≤8.00	PASS
		2462	-14.40	≤8.00	PASS
11G	Ant1	2412	-21.91	≤8.00	PASS
		2437	-21.92	≤8.00	PASS
		2462	-21.68	≤8.00	PASS
11N20SISO	Ant1	2412	-22.07	≤8.00	PASS
		2437	-21.48	≤8.00	PASS
		2462	-21.63	≤8.00	PASS
11N40SISO	Ant1	2422	-22.91	≤8.00	PASS
		2437	-23.85	≤8.00	PASS
		2452	-24.23	≤8.00	PASS

Test Graphs

11B_Ant1_2412



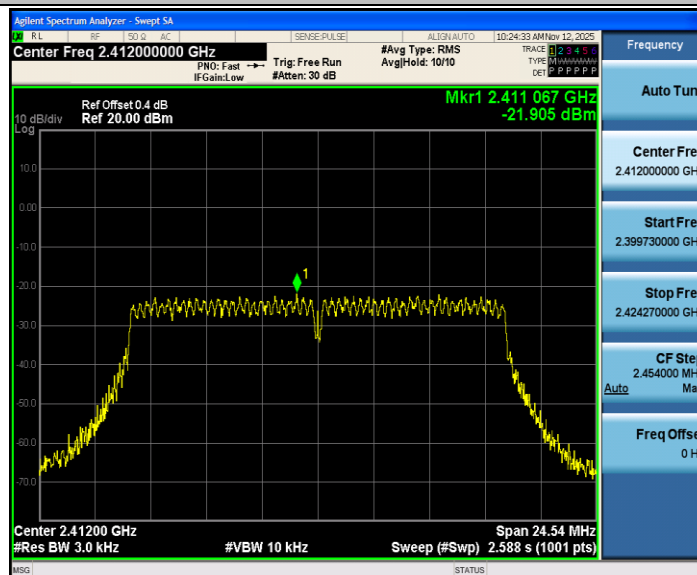
11B_Ant1_2437



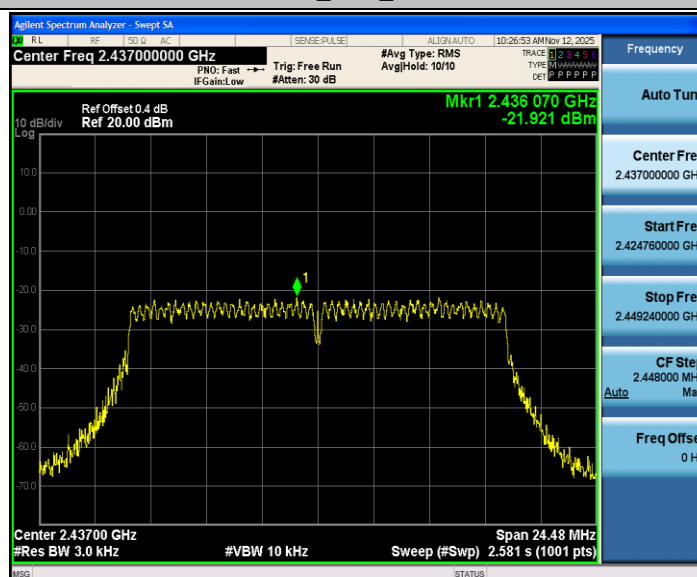
11B_Ant1_2462



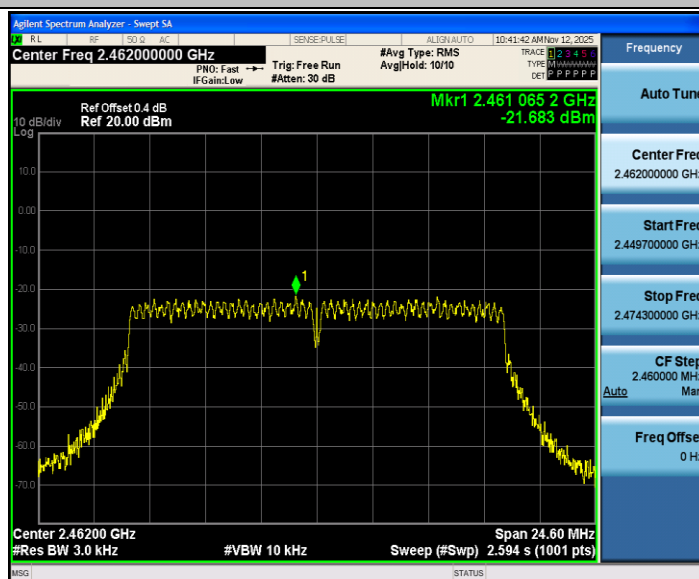
11G_Ant1_2412



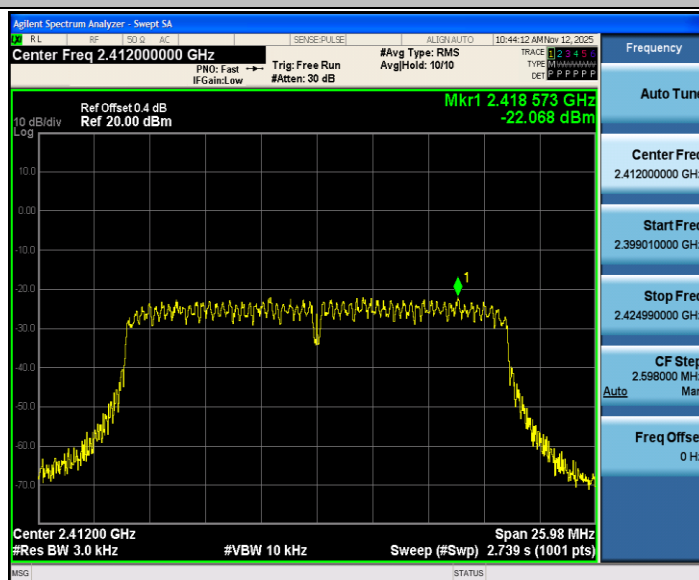
11G_Ant1_2437



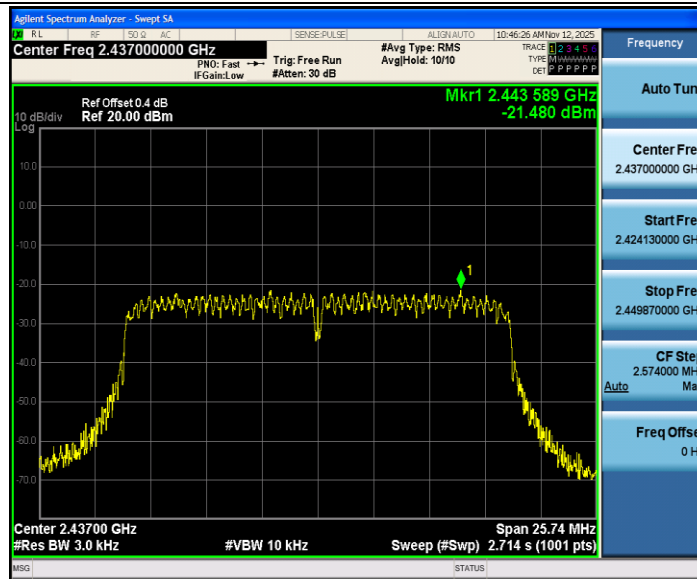
11G_Ant1_2462



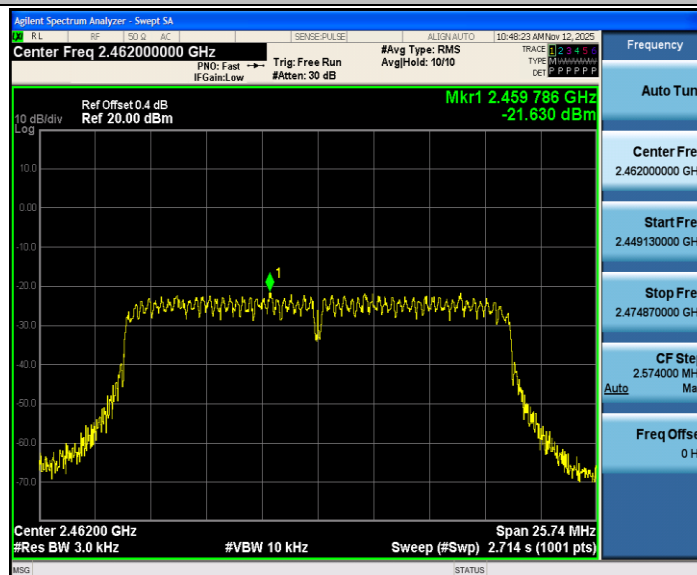
11N20SISO_Ant1_2412



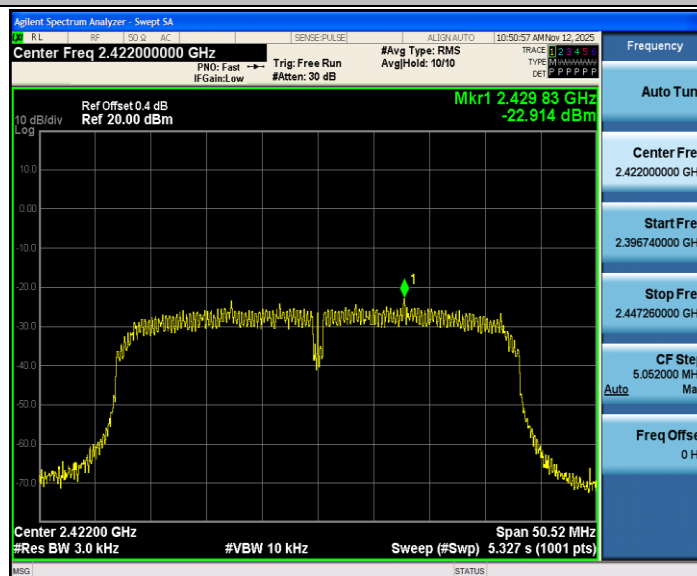
11N20SISO_Ant1_2437



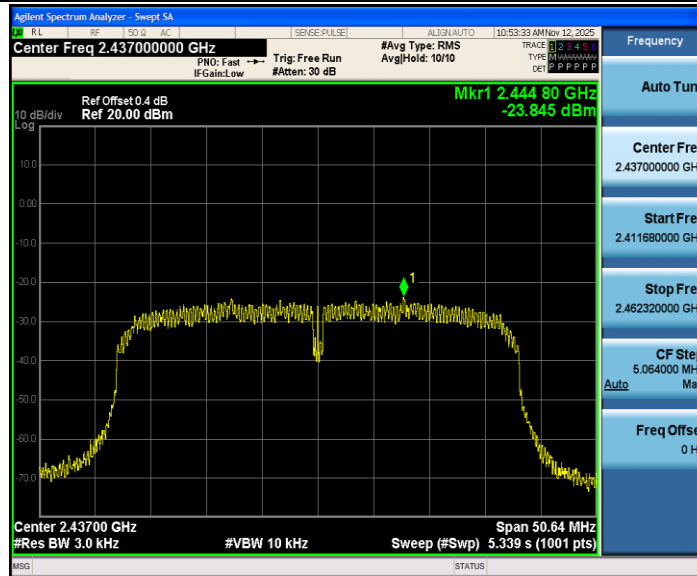
11N20SISO_Ant1_2462



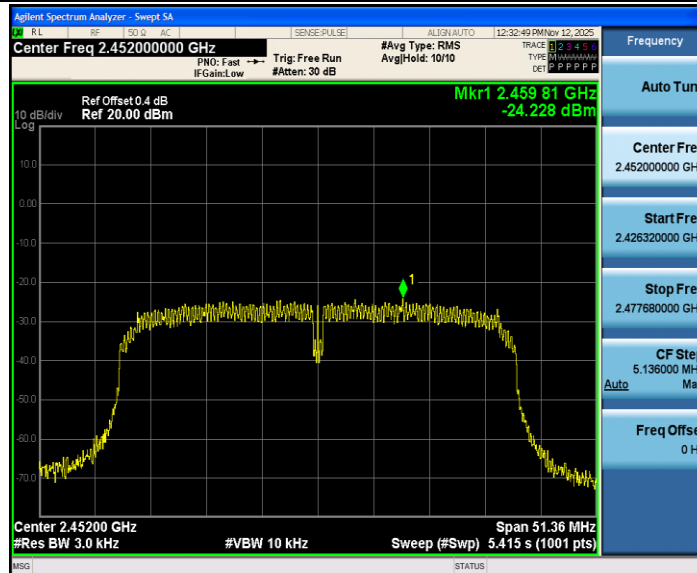
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



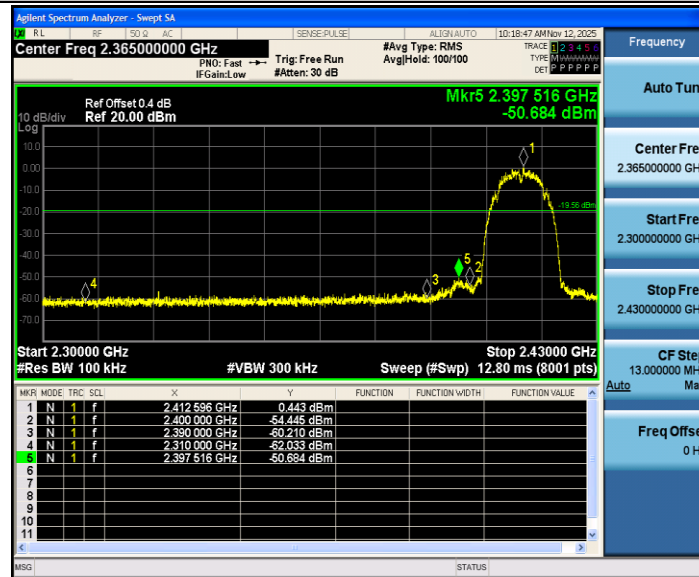
Appendix E: Band edge measurements

Test Result

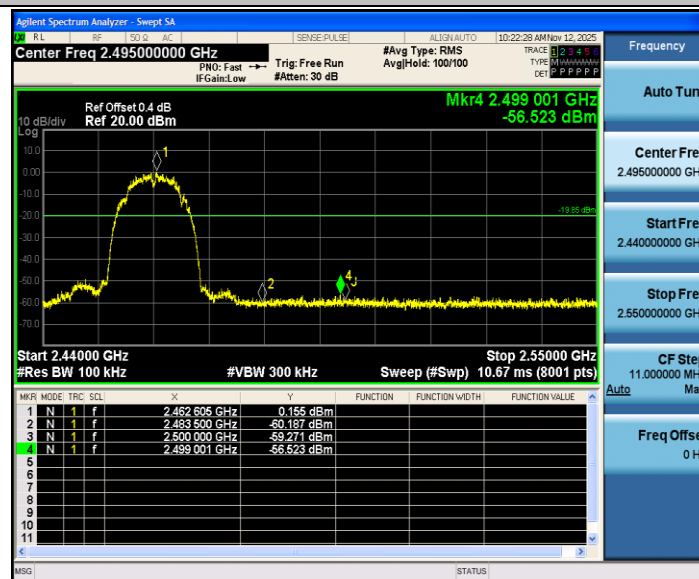
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.44	-50.68	≤-19.56	PASS
		High	2462	0.16	-56.52	≤-19.85	PASS
11G	Ant1	Low	2412	-7.73	-47.3	≤-27.73	PASS
		High	2462	-7.77	-53.13	≤-27.77	PASS
11N20SISO	Ant1	Low	2412	-8.04	-48.8	≤-28.04	PASS
		High	2462	-7.66	-55.9	≤-27.66	PASS
11N40SISO	Ant1	Low	2422	-11.64	-50.73	≤-31.64	PASS
		High	2452	-11.20	-54.92	≤-31.2	PASS

Test Graphs

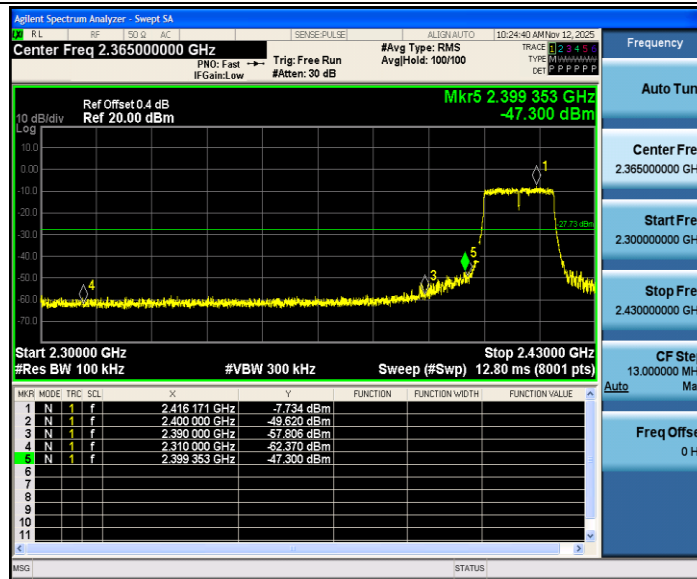
11B_Ant1_Low_2412



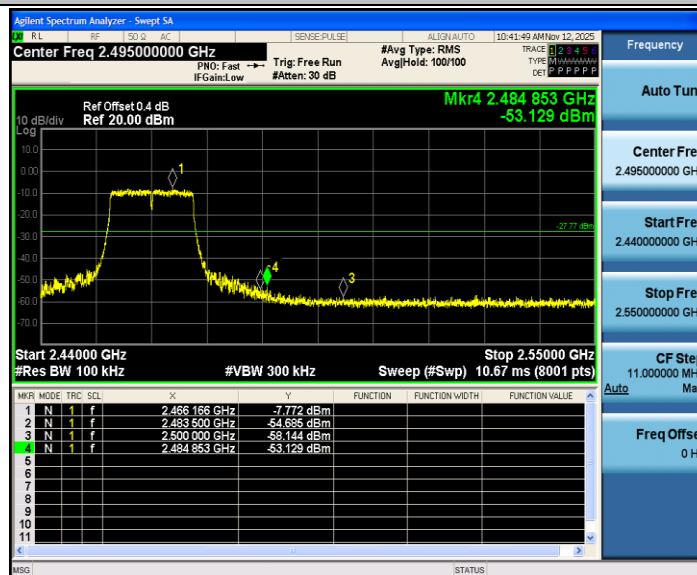
11B_Ant1_High_2462



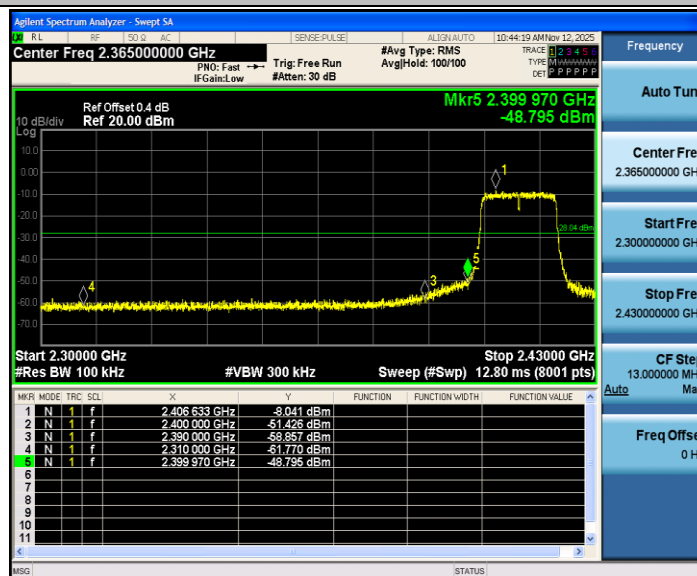
11G_Ant1_Low_2412



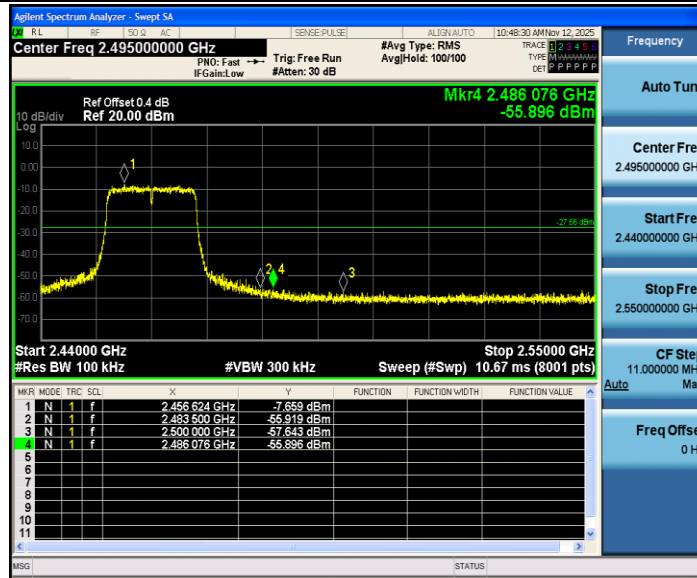
11G_Ant1_High_2462



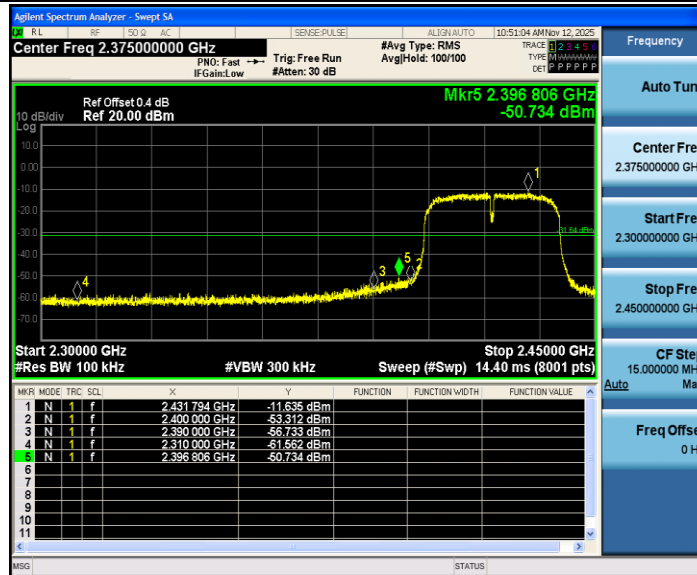
11N20SISO_Ant1_Low_2412



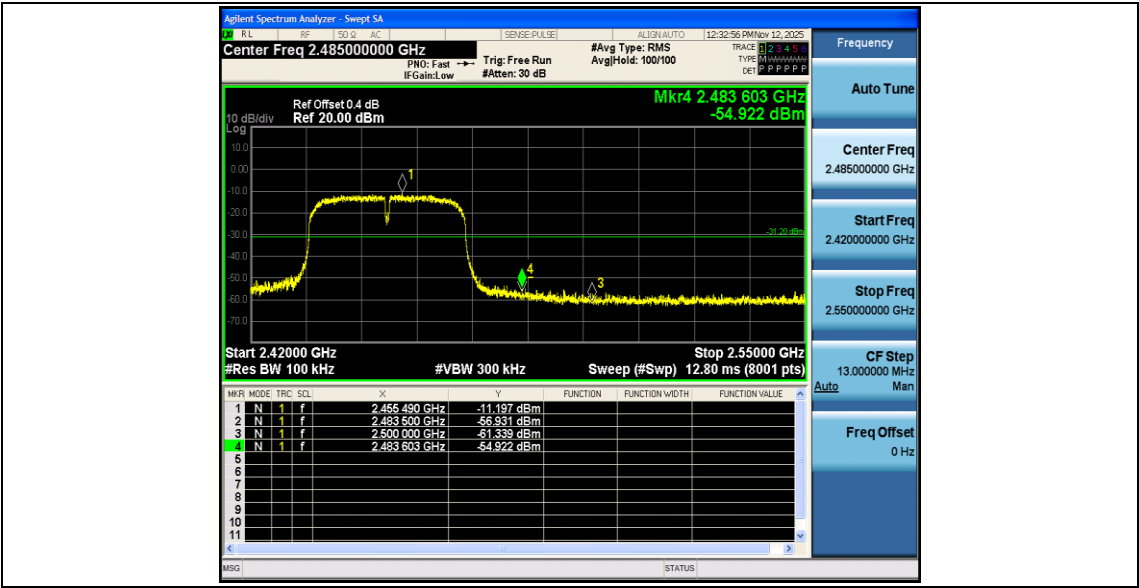
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



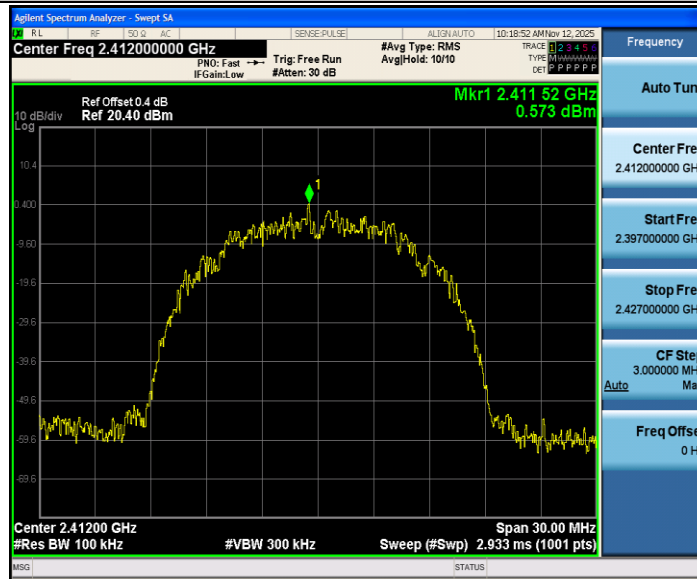
Appendix F: Conducted Spurious Emission

Test Result

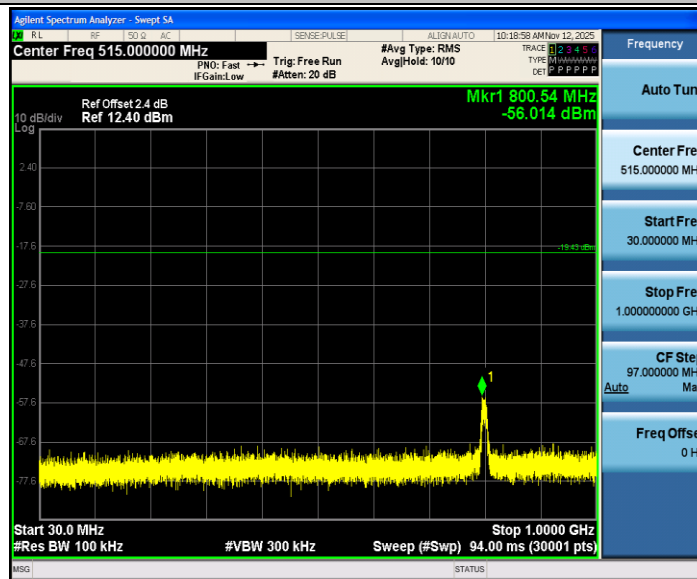
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.57	0.57	---	PASS
			30~1000	0.57	-56.01	≤-19.43	PASS
			1000~26500	0.57	-44.53	≤-19.43	PASS
		2437	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-55.8	≤-21.29	PASS
			1000~26500	-1.29	-45.3	≤-21.29	PASS
		2462	Reference	0.57	0.57	---	PASS
			30~1000	0.57	-55.38	≤-19.43	PASS
			1000~26500	0.57	-45.42	≤-19.43	PASS
11G	Ant1	2412	Reference	-8.19	-8.19	---	PASS
			30~1000	-8.19	-59.05	≤-28.19	PASS
			1000~26500	-8.19	-44.43	≤-28.19	PASS
		2437	Reference	-8.43	-8.43	---	PASS
			30~1000	-8.43	-58.87	≤-28.43	PASS
			1000~26500	-8.43	-45.13	≤-28.43	PASS
		2462	Reference	-8.24	-8.24	---	PASS
			30~1000	-8.24	-60.04	≤-28.24	PASS
			1000~26500	-8.24	-45.6	≤-28.24	PASS
11N20SISO	Ant1	2412	Reference	-8.79	-8.79	---	PASS
			30~1000	-8.79	-60.31	≤-28.79	PASS
			1000~26500	-8.79	-44.55	≤-28.79	PASS
		2437	Reference	-8.45	-8.45	---	PASS
			30~1000	-8.45	-59.75	≤-28.45	PASS
			1000~26500	-8.45	-44.97	≤-28.45	PASS
		2462	Reference	-7.87	-7.87	---	PASS
			30~1000	-7.87	-60.23	≤-27.87	PASS
			1000~26500	-7.87	-45.61	≤-27.87	PASS
11N40SISO	Ant1	2422	Reference	-11.76	-11.76	---	PASS
			30~1000	-11.76	-62.2	≤-31.76	PASS
			1000~26500	-11.76	-44.71	≤-31.76	PASS
		2437	Reference	-11.88	-11.88	---	PASS
			30~1000	-11.88	-61.17	≤-31.88	PASS
			1000~26500	-11.88	-44.93	≤-31.88	PASS
		2452	Reference	-11.80	-11.80	---	PASS
			30~1000	-11.80	-62.34	≤-31.8	PASS
			1000~26500	-11.80	-45.26	≤-31.8	PASS

Test Graphs

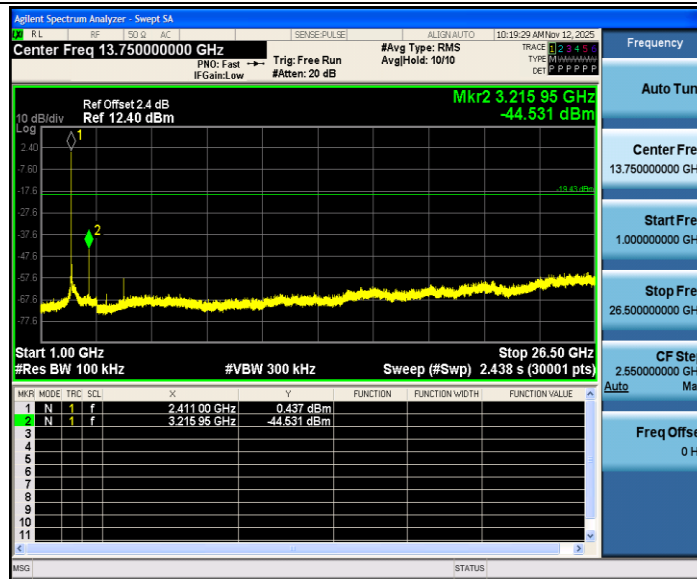
11B_Ant1_2412_0~Reference



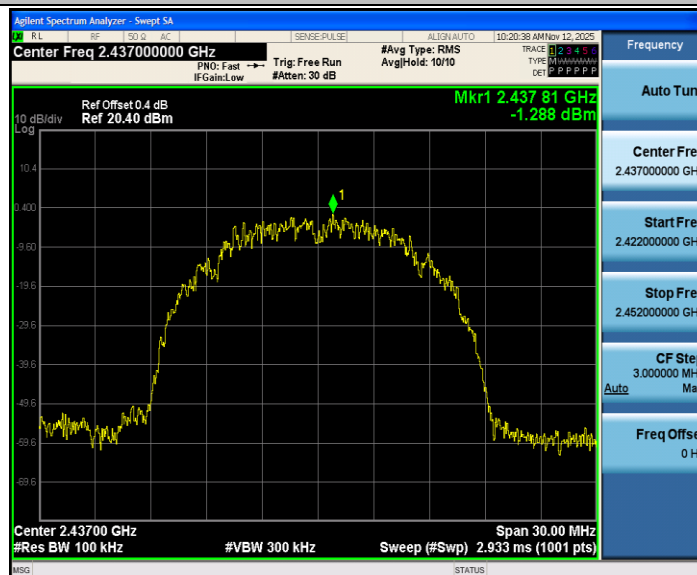
11B_Ant1_2412_30~1000



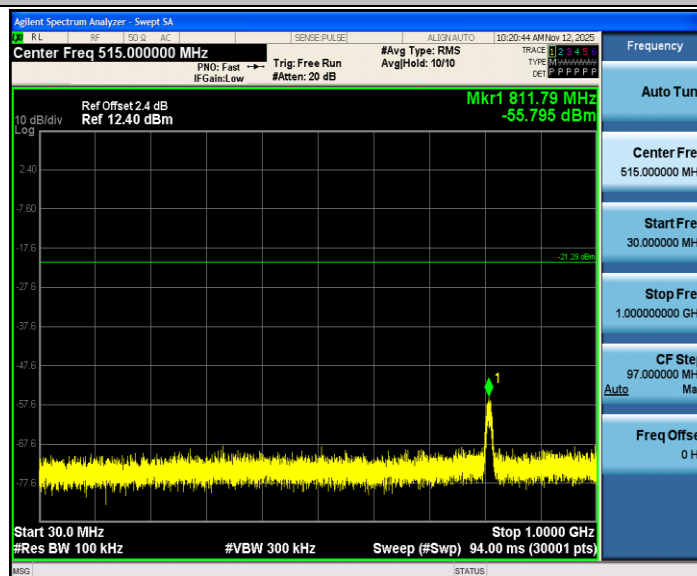
11B_Ant1_2412_1000~26500



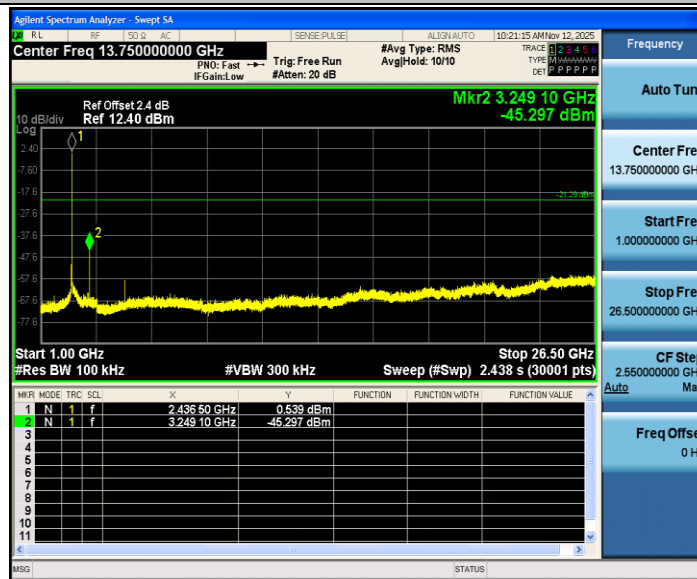
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



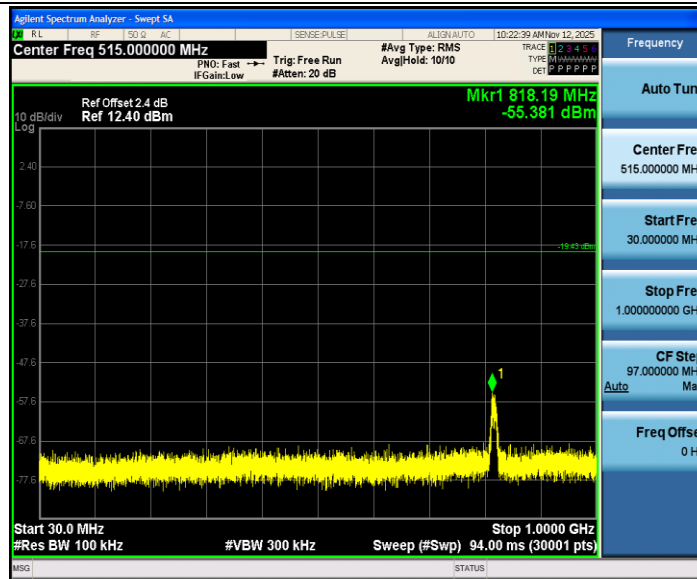
11B_Ant1_2437_1000~26500



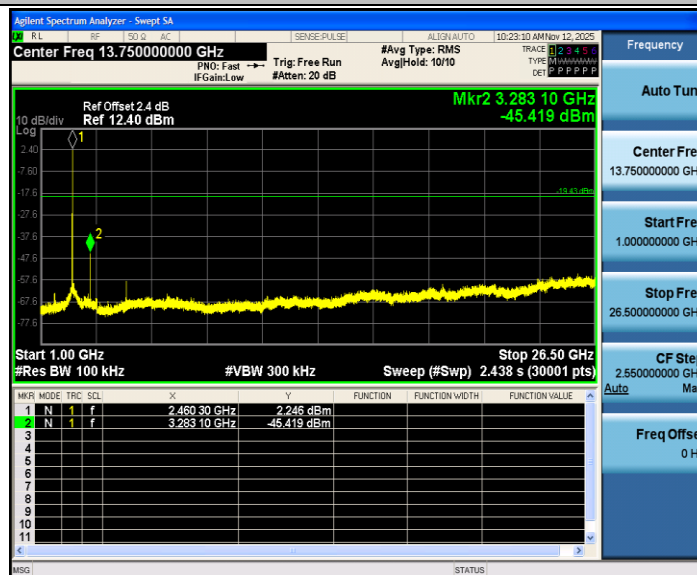
11B_Ant1_2462_0~Reference



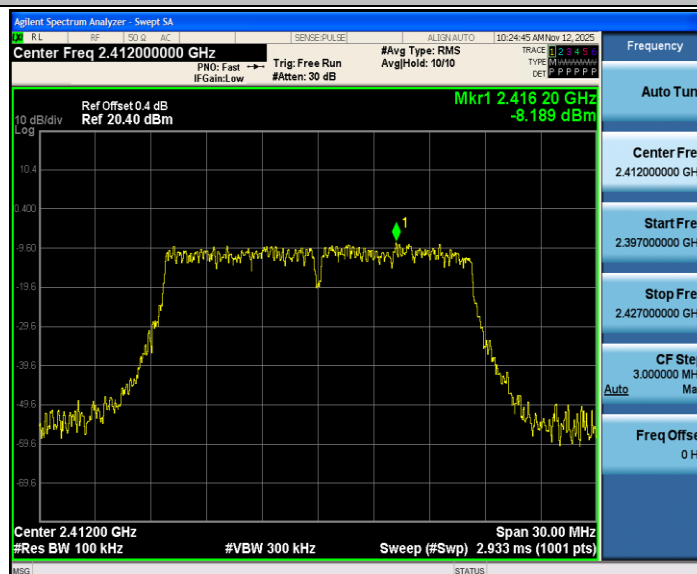
11B_Ant1_2462_30~1000



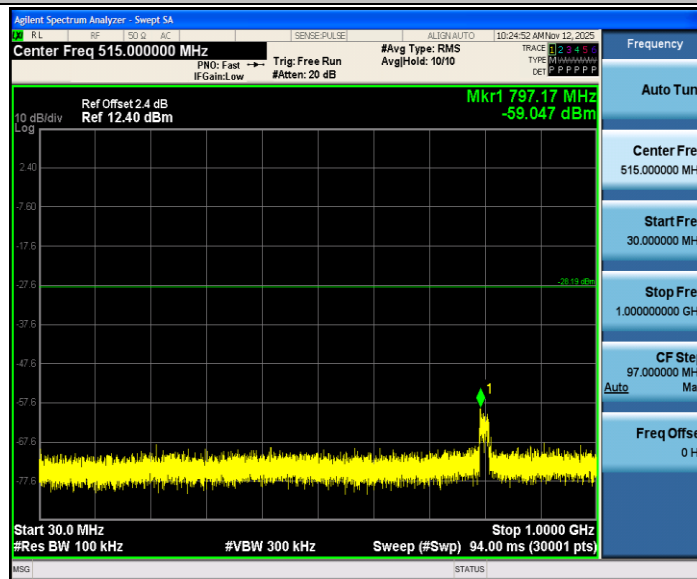
11B_Ant1_2462_1000~26500



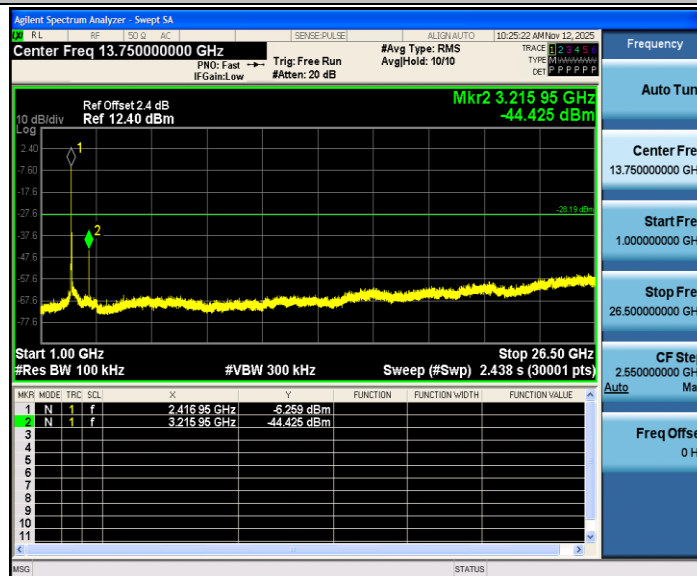
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



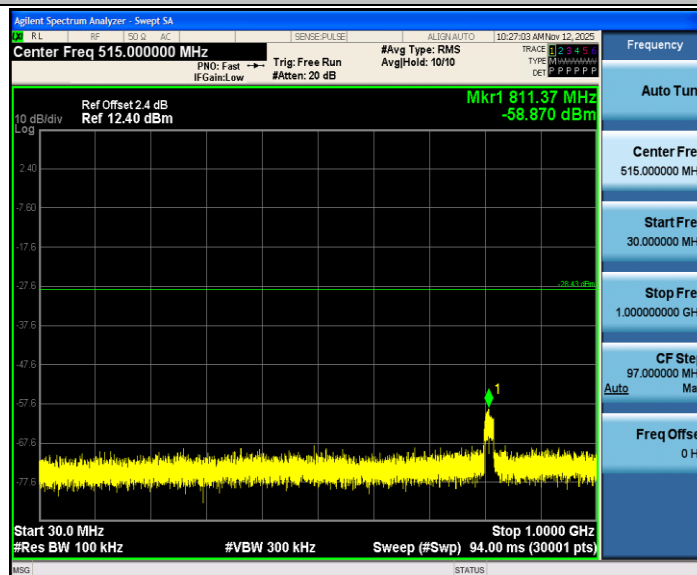
11G_Ant1_2412_1000~26500



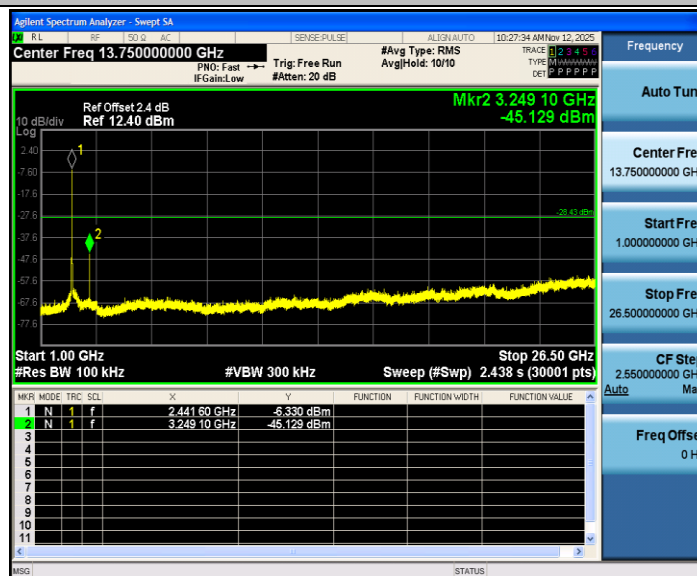
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



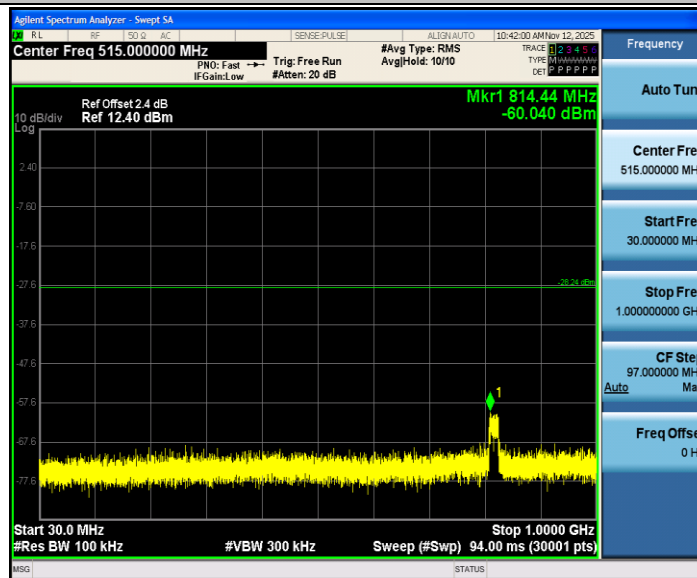
11G_Ant1_2437_1000~26500



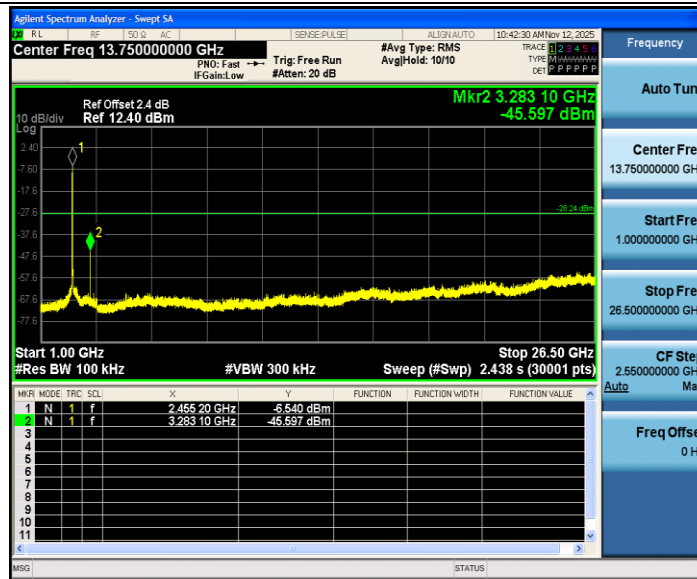
11G_Ant1_2462_0~Reference



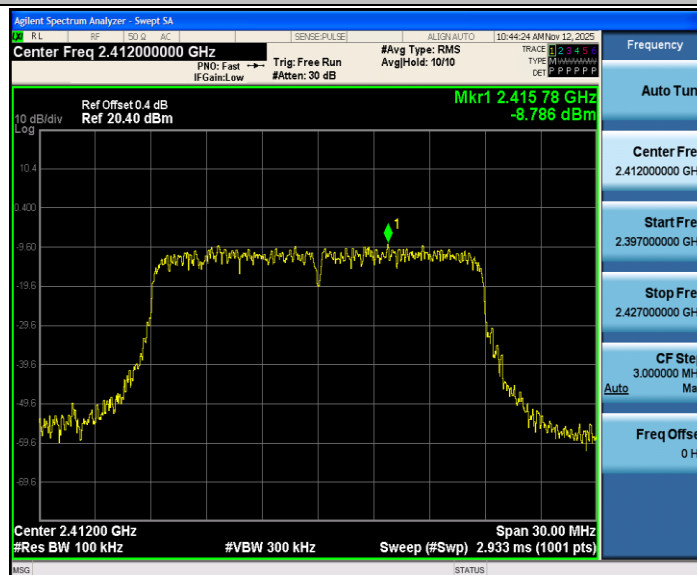
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

