

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AW5W-C1B

Company : REXING INC.

EUT : Dash Camera

Model Number : C1B

Report No. : CTA26032800701

Reviewed By : Eric Wang

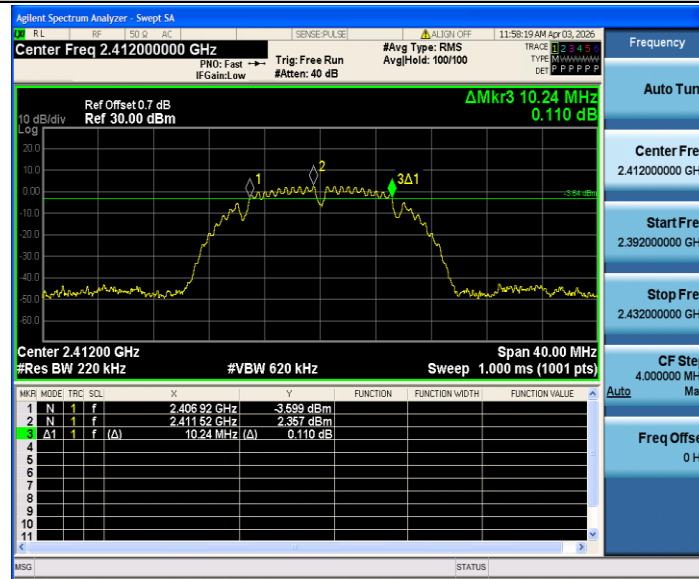
Appendix A: DTS Bandwidth

Test Result

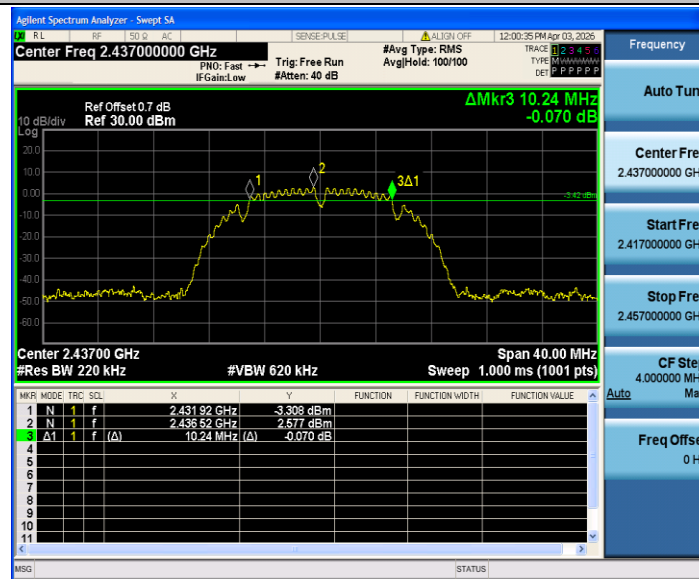
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.560	2404.440	2420.000	0.5	PASS
		2437	15.880	2429.160	2445.040	0.5	PASS
		2462	15.840	2454.120	2469.960	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.720	2420.640	0.5	PASS
		2437	15.640	2429.120	2444.760	0.5	PASS
		2462	15.880	2453.760	2469.640	0.5	PASS

Test Graphs

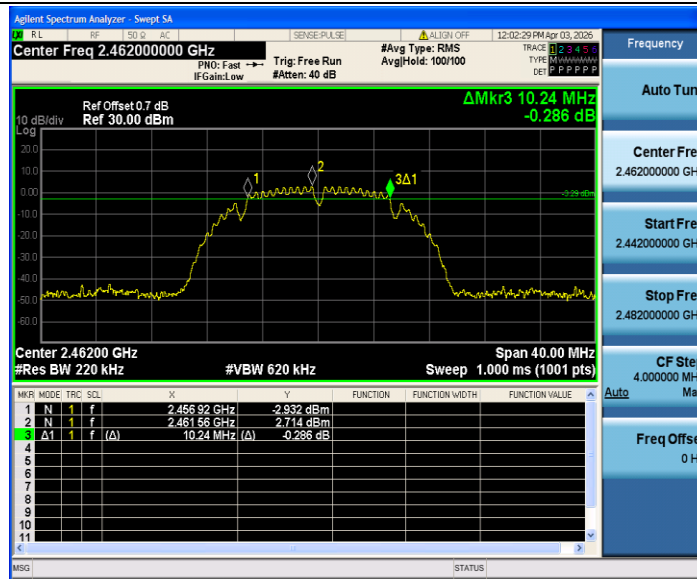
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



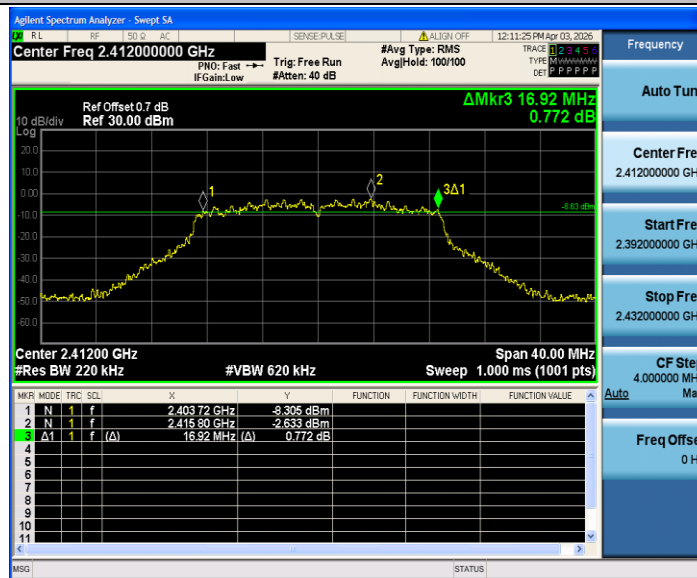
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



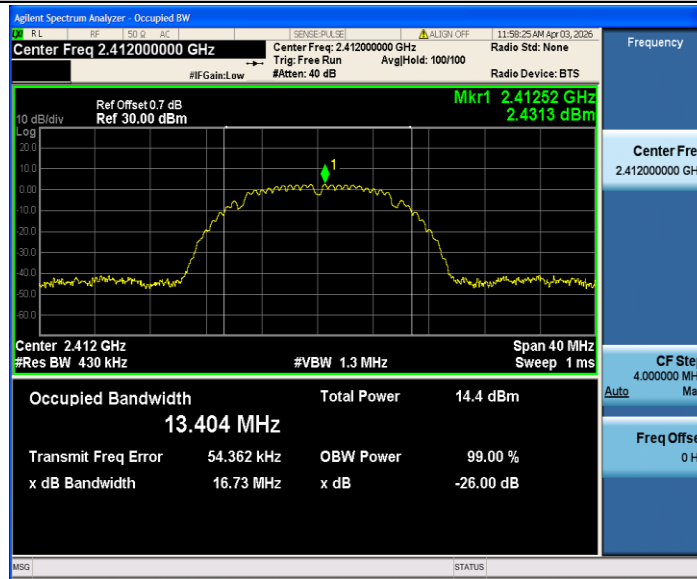
Appendix B: Occupied Channel Bandwidth

Test Result

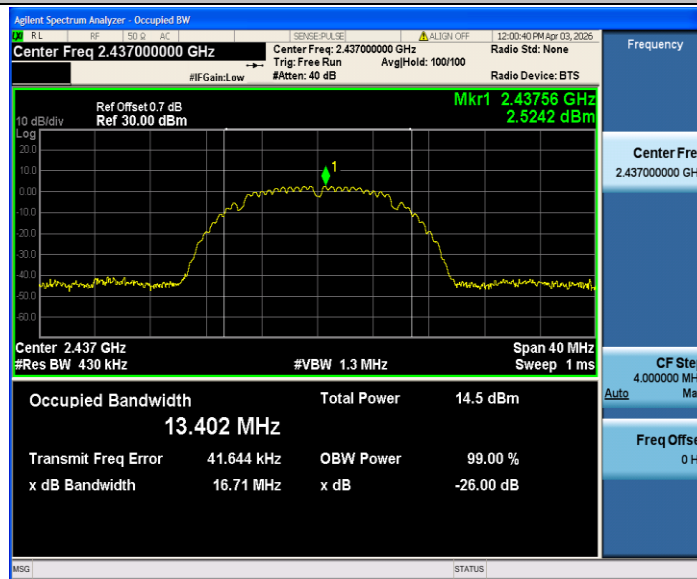
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.404	2405.3524	2418.7564	---	---
		2437	13.402	2430.3406	2443.7426	---	---
		2462	13.415	2455.3109	2468.7259	---	---
11G	Ant1	2412	16.812	2403.6939	2420.5059	---	---
		2437	16.777	2428.6769	2445.4539	---	---
		2462	16.861	2453.6244	2470.4854	---	---
11N20SISO	Ant1	2412	17.900	2403.0988	2420.9988	---	---
		2437	17.875	2428.0726	2445.9476	---	---
		2462	17.894	2453.0547	2470.9487	---	---

Test Graphs

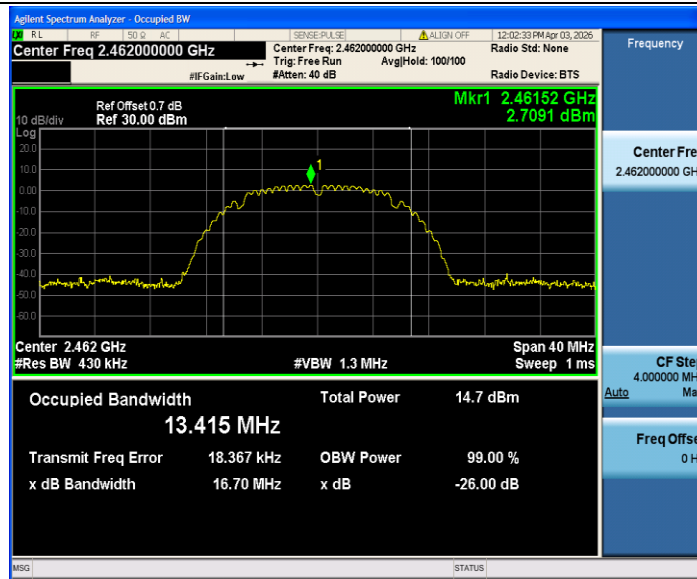
11B_Ant1_2412



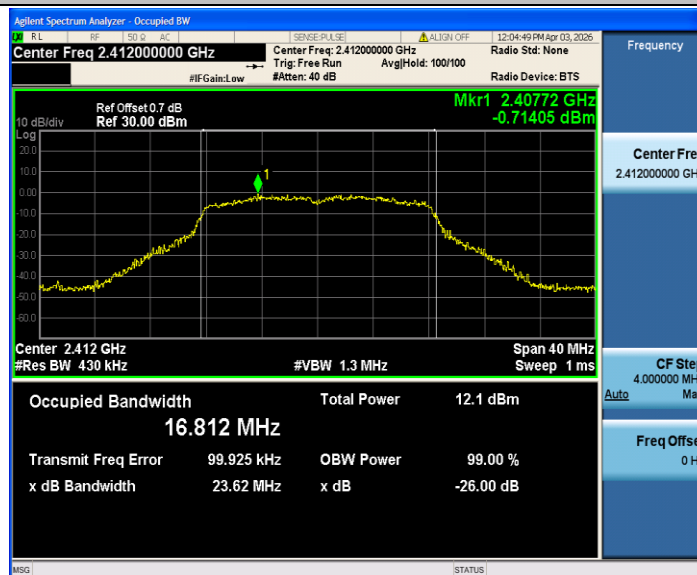
11B_Ant1_2437



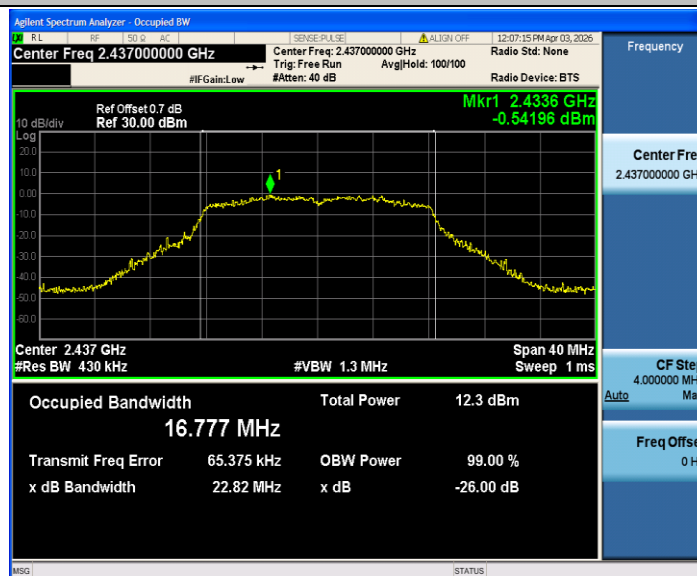
11B_Ant1_2462



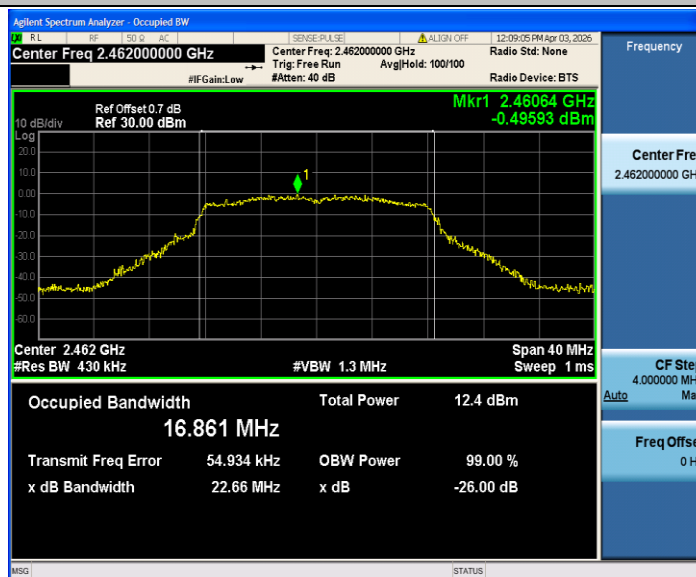
11G_Ant1_2412



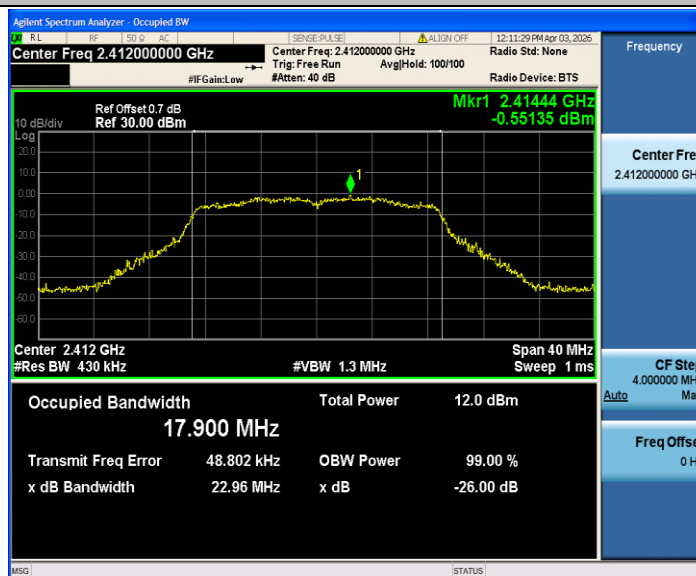
11G_Ant1_2437



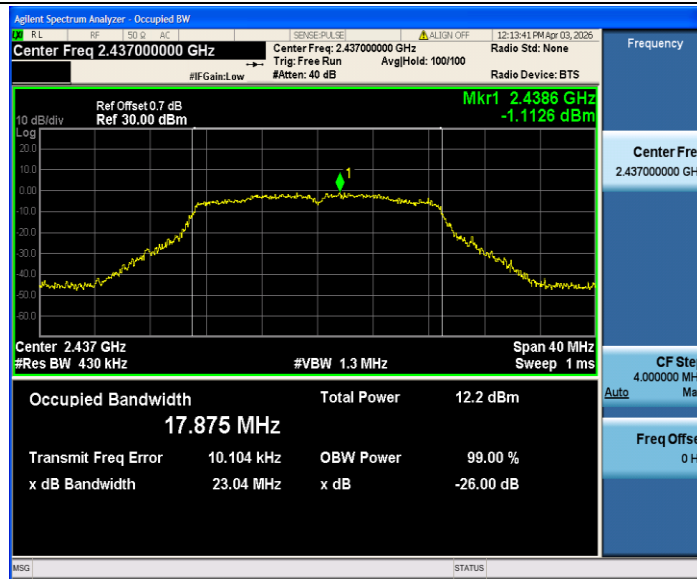
11G_Ant1_2462



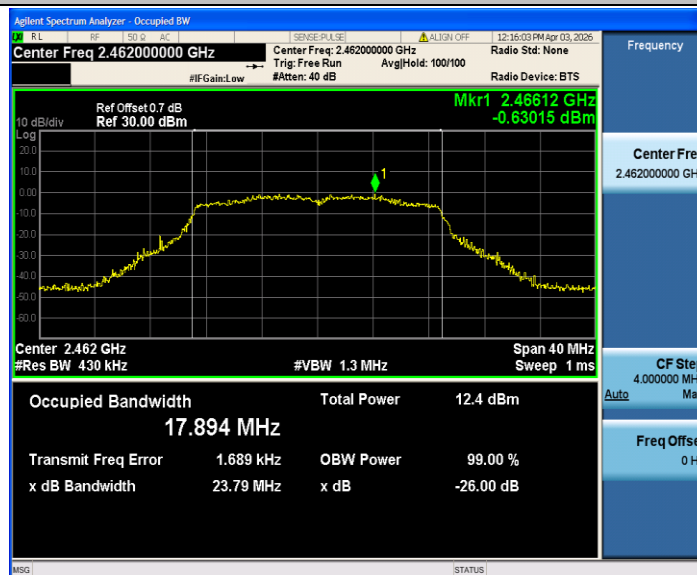
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.03	≤30.00	PASS
		2437	14.18	≤30.00	PASS
		2462	14.37	≤30.00	PASS
11G	Ant1	2412	13.08	≤30.00	PASS
		2437	13.28	≤30.00	PASS
		2462	13.38	≤30.00	PASS
11N20SISO	Ant1	2412	12.83	≤30.00	PASS
		2437	12.96	≤30.00	PASS
		2462	13.06	≤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	-11.12	≤8.00	PASS
		2437	-11.21	≤8.00	PASS
		2462	-10.84	≤8.00	PASS
11G	Ant1	2412	-18.11	≤8.00	PASS
		2437	-17.80	≤8.00	PASS
		2462	-18.09	≤8.00	PASS
11N20SISO	Ant1	2412	-18.76	≤8.00	PASS
		2437	-18.67	≤8.00	PASS
		2462	-18.08	≤8.00	PASS

Test Graphs

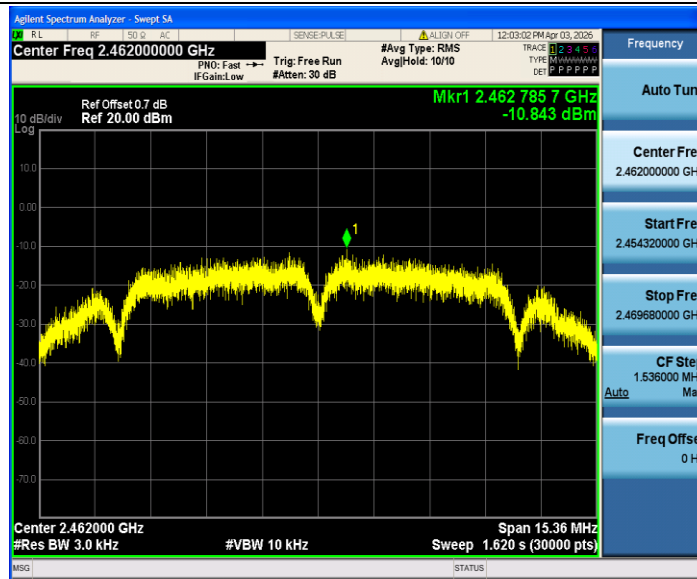
11B_Ant1_2412



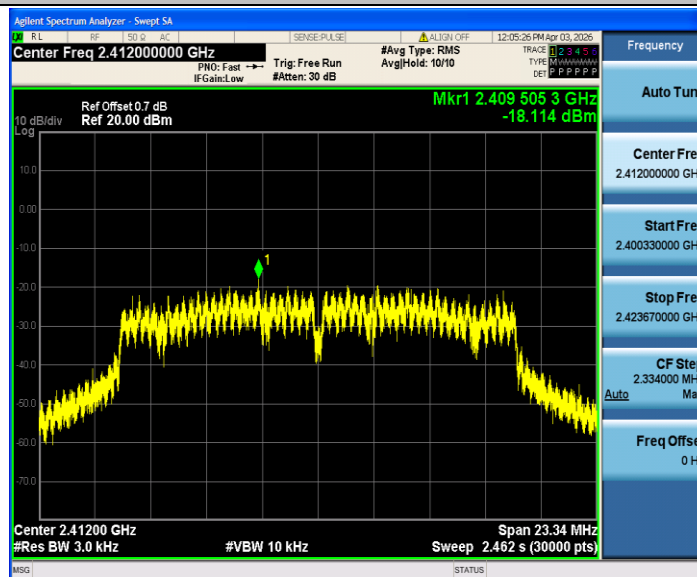
11B_Ant1_2437



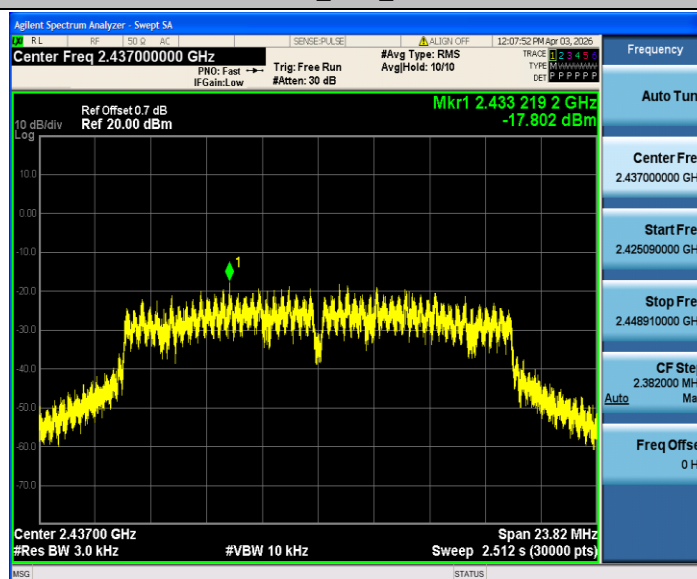
11B_Ant1_2462



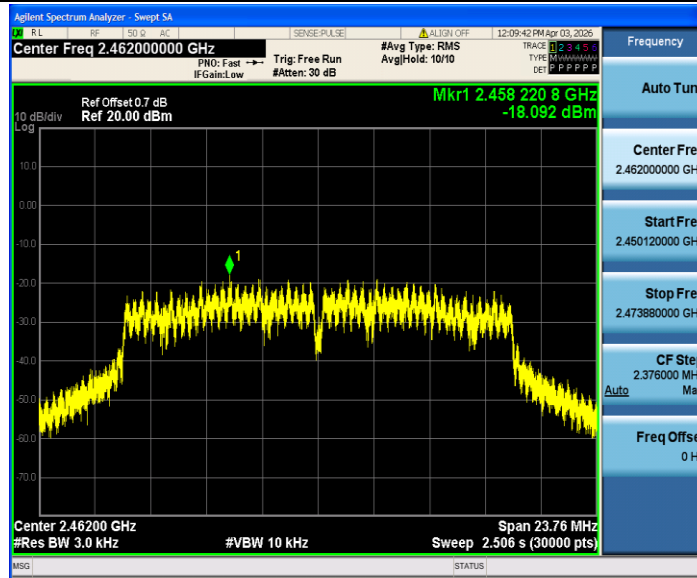
11G_Ant1_2412



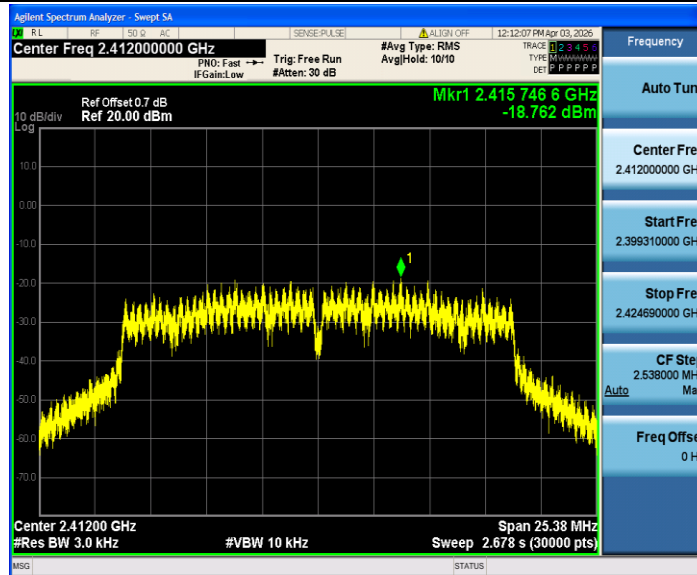
11G_Ant1_2437



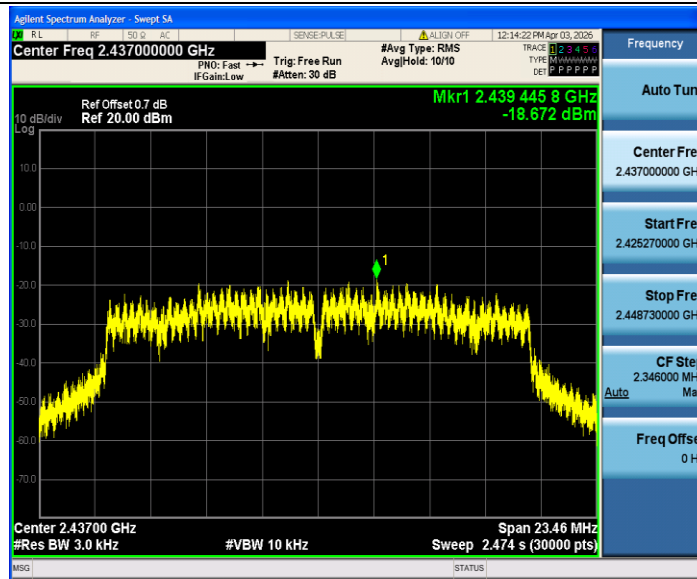
11G_Ant1_2462



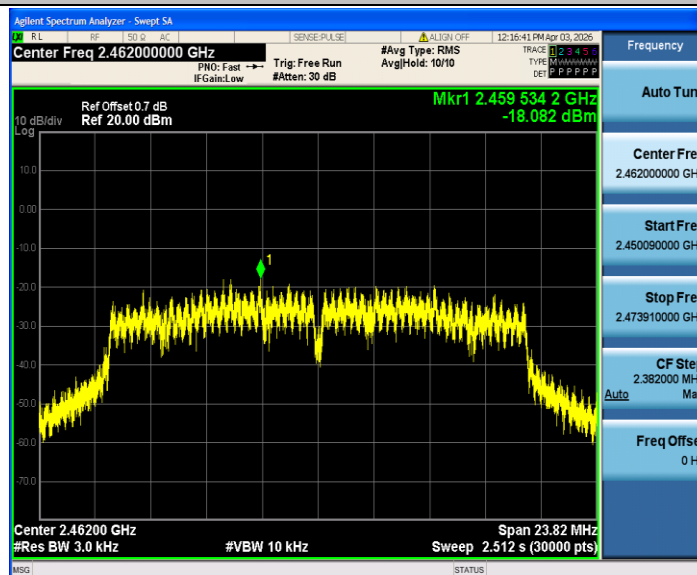
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



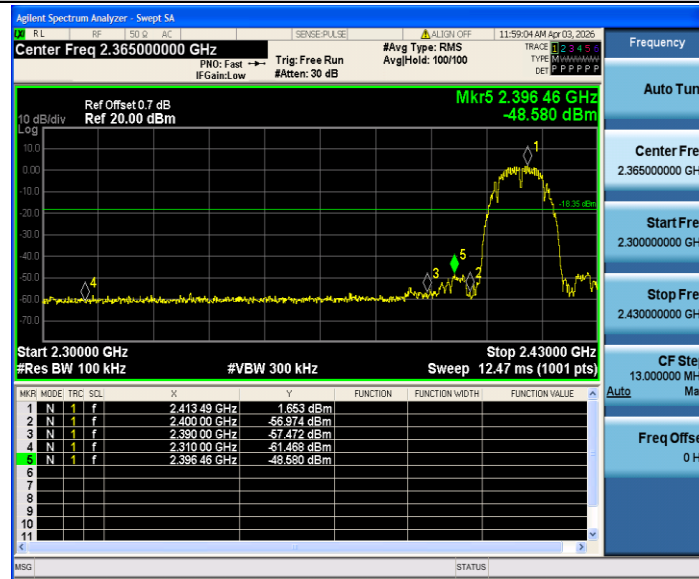
Appendix E: Band edge measurements

Test Result

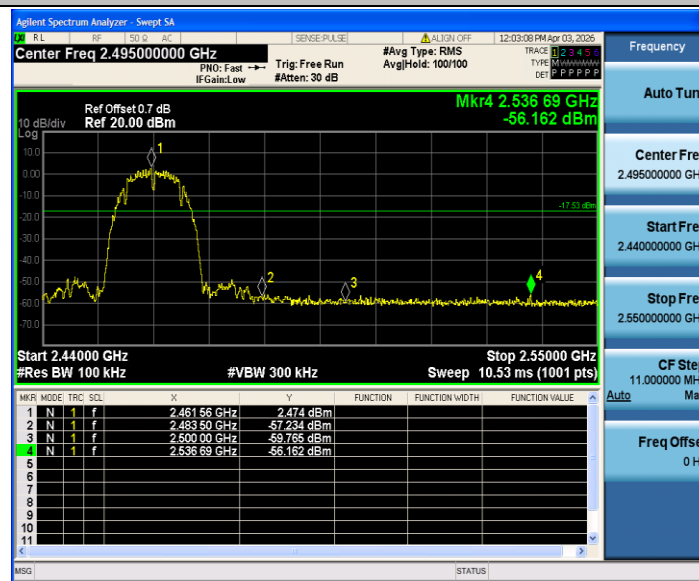
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.65	-48.58	≤-18.35	PASS
		High	2462	2.47	-56.16	≤-17.53	PASS
11G	Ant1	Low	2412	-3.40	-35.65	≤-23.4	PASS
		High	2462	-3.11	-57.22	≤-23.11	PASS
11N20SISO	Ant1	Low	2412	-3.52	-35.39	≤-23.52	PASS
		High	2462	-3.18	-57.69	≤-23.18	PASS

Test Graphs

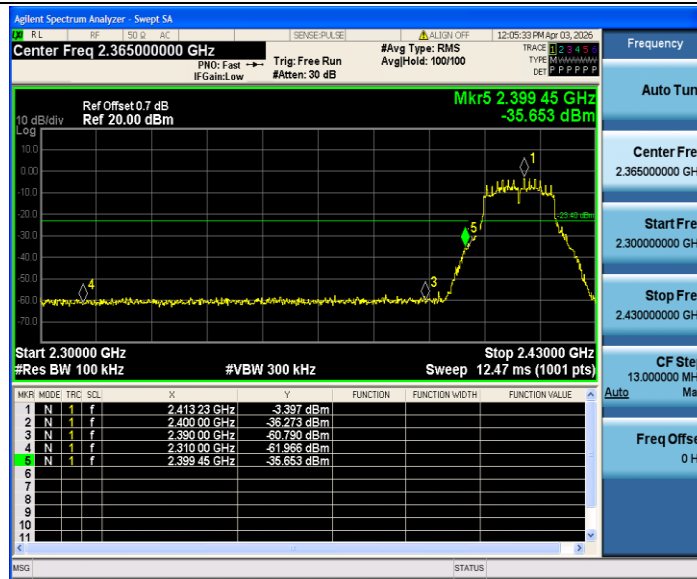
11B_Ant1_Low_2412



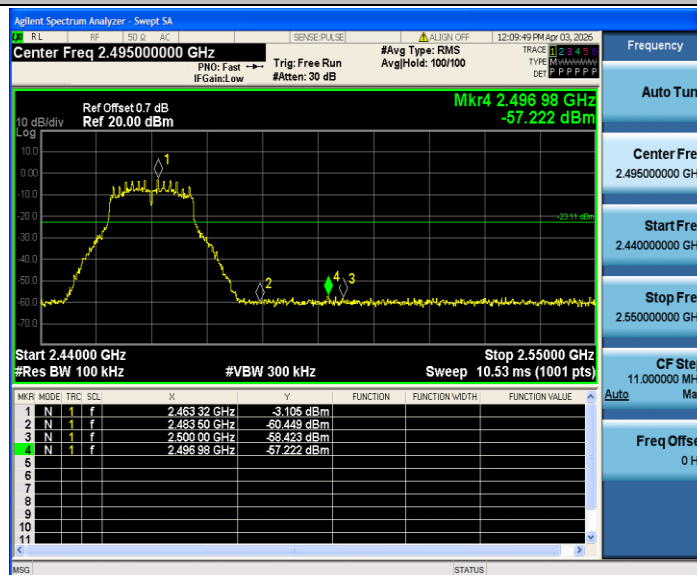
11B_Ant1_High_2462



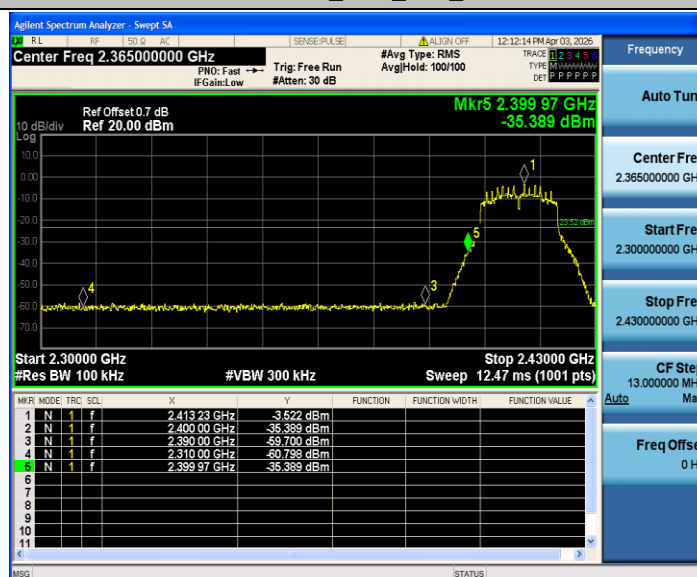
11G_Ant1_Low_2412



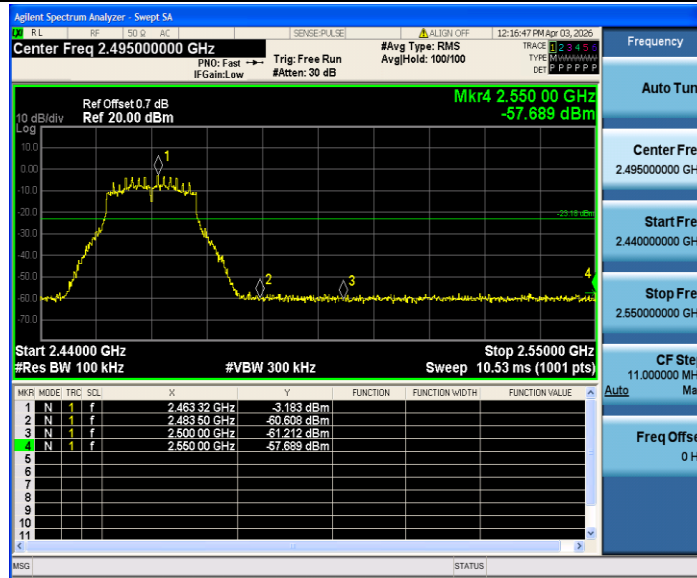
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

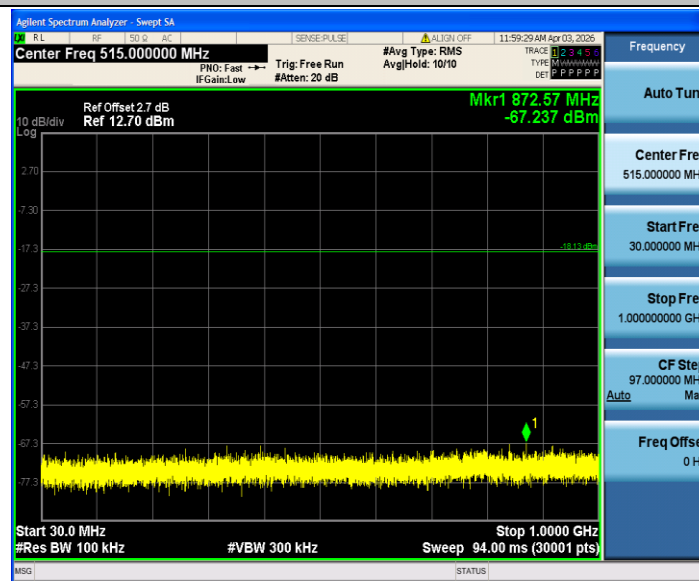
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.87	1.87	---	PASS
			30~1000	1.87	-67.24	≤-18.13	PASS
			1000~26500	1.87	-55.84	≤-18.13	PASS
		2437	Reference	1.88	1.88	---	PASS
			30~1000	1.88	-67.94	≤-18.12	PASS
			1000~26500	1.88	-55.69	≤-18.12	PASS
		2462	Reference	0.93	0.93	---	PASS
			30~1000	0.93	-67.65	≤-19.07	PASS
			1000~26500	0.93	-54.42	≤-19.07	PASS
11G	Ant1	2412	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-66.78	≤-23.56	PASS
			1000~26500	-3.56	-54.77	≤-23.56	PASS
		2437	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-68.26	≤-23.58	PASS
			1000~26500	-3.58	-55.11	≤-23.58	PASS
		2462	Reference	-3.67	-3.67	---	PASS
			30~1000	-3.67	-67.94	≤-23.67	PASS
			1000~26500	-3.67	-54.68	≤-23.67	PASS
11N20SISO	Ant1	2412	Reference	-3.69	-3.69	---	PASS
			30~1000	-3.69	-66.3	≤-23.69	PASS
			1000~26500	-3.69	-55.37	≤-23.69	PASS
		2437	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-67.67	≤-24.52	PASS
			1000~26500	-4.52	-55.4	≤-24.52	PASS
		2462	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-67.78	≤-23.24	PASS
			1000~26500	-3.24	-54.45	≤-23.24	PASS

Test Graphs

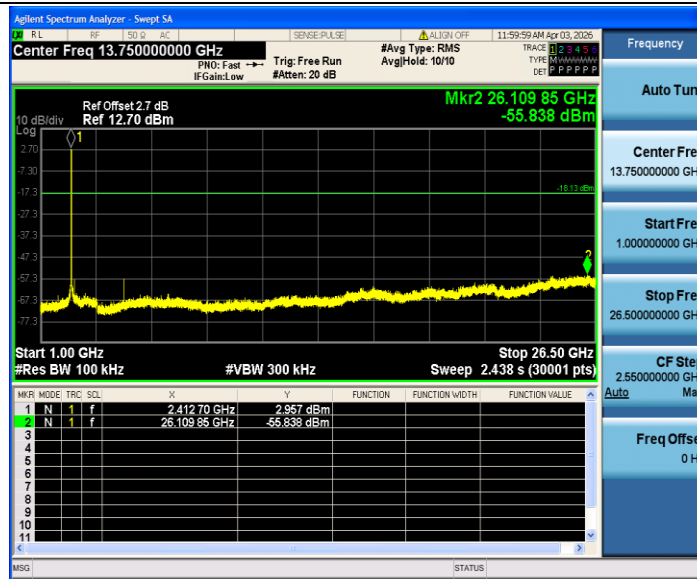
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



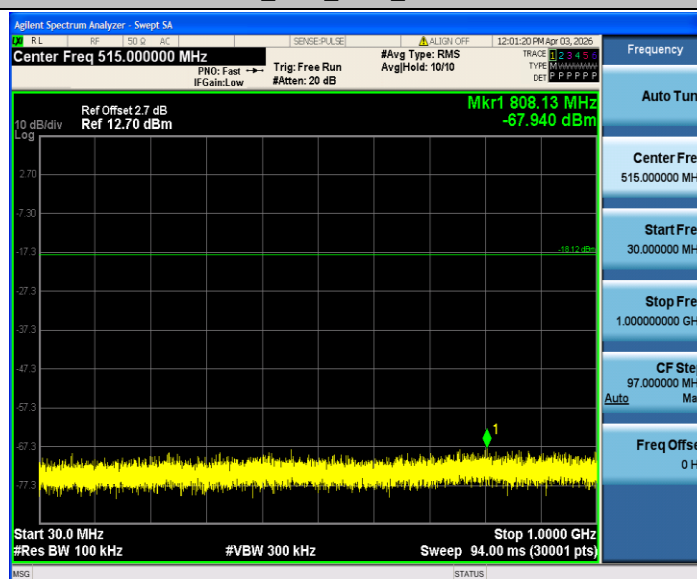
11B_Ant1_2412_1000~26500



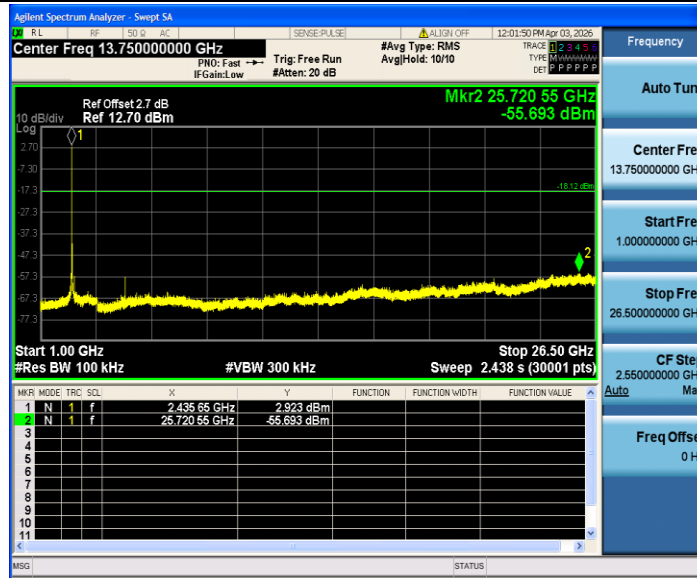
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



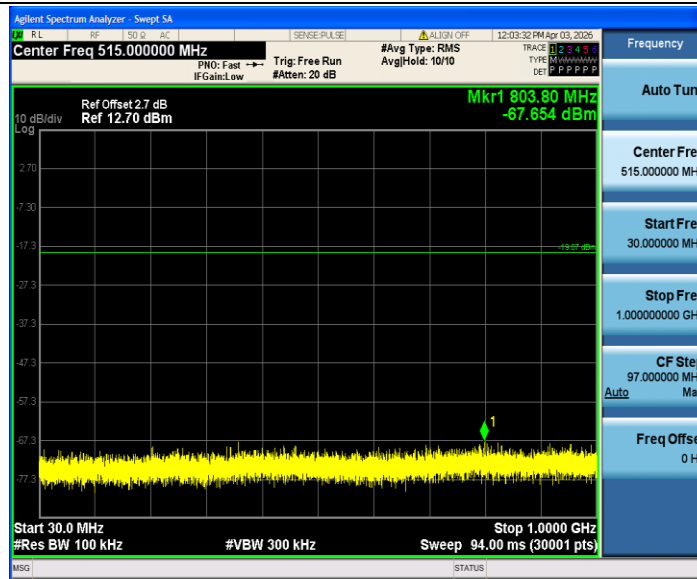
11B_Ant1_2437_1000~26500



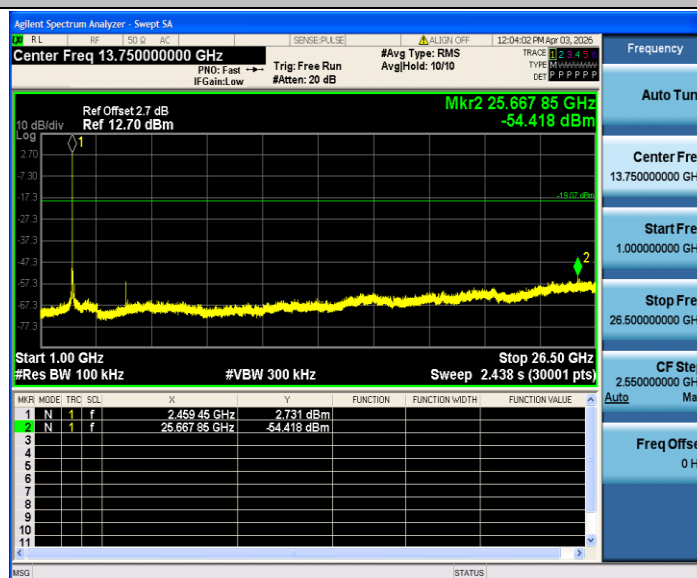
11B_Ant1_2462_0~Reference



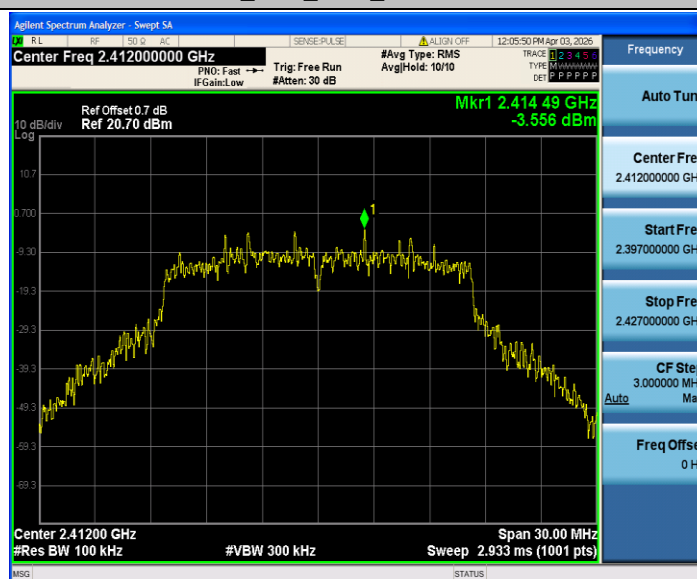
11B_Ant1_2462_30~1000



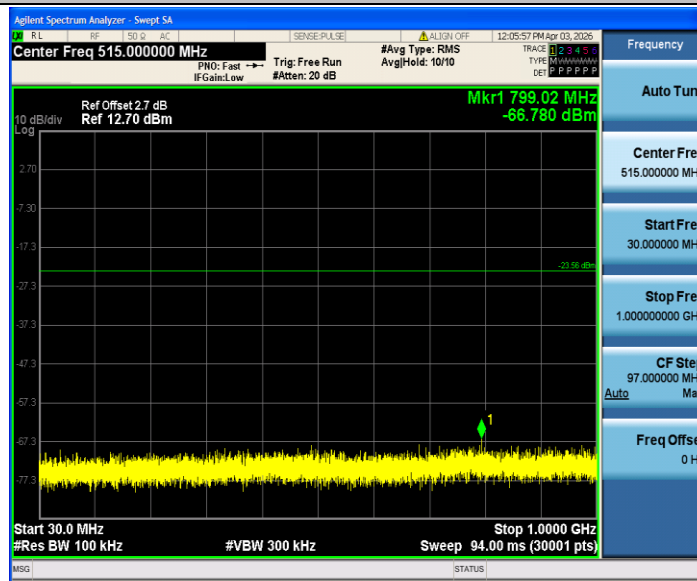
11B_Ant1_2462_1000~26500



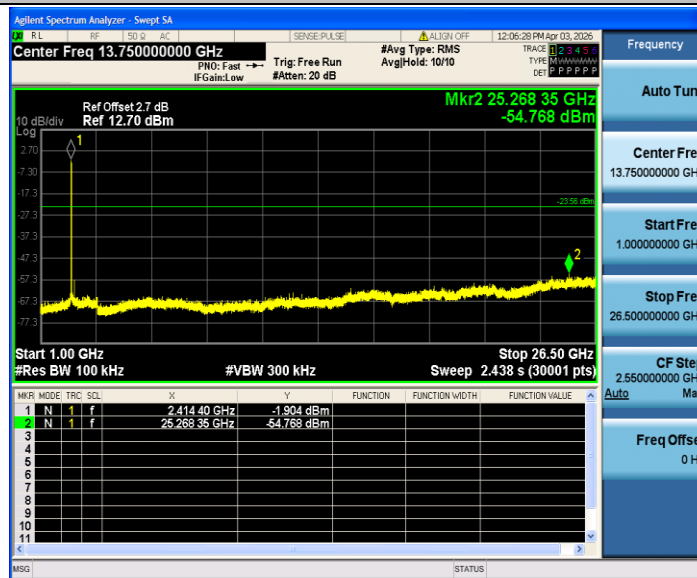
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



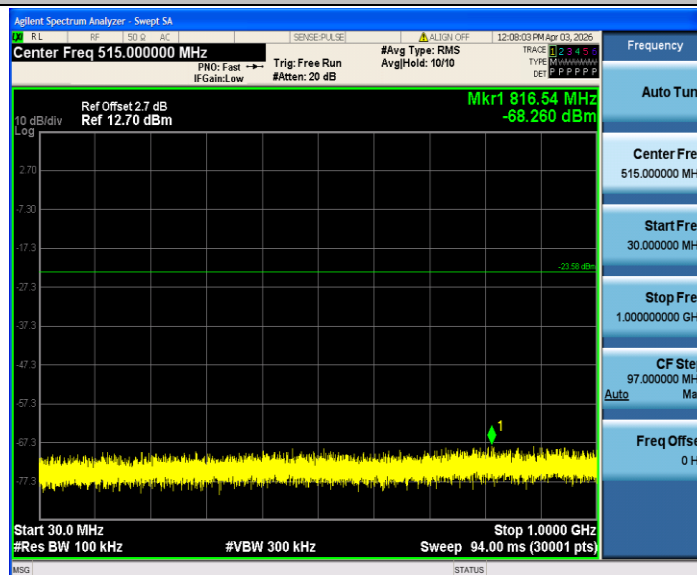
11G_Ant1_2412_1000~26500



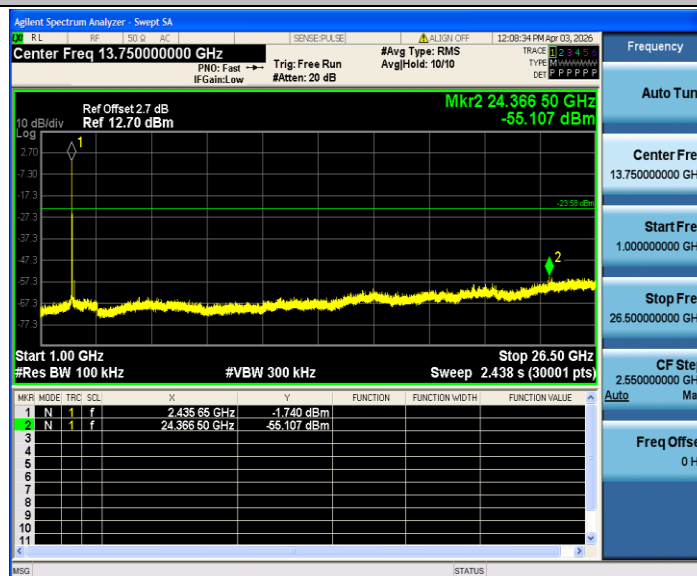
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



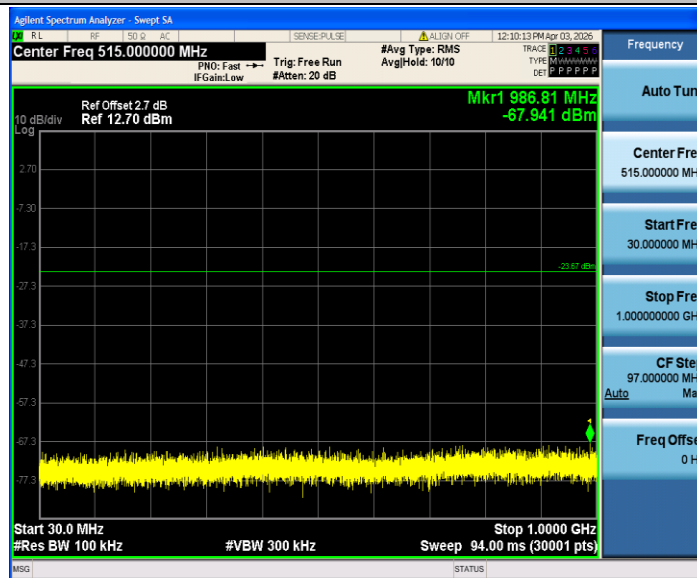
11G_Ant1_2437_1000~26500



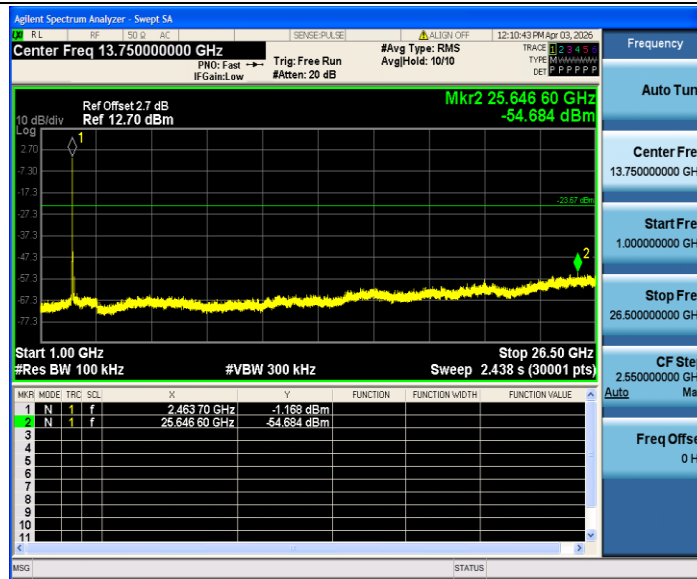
11G_Ant1_2462_0~Reference



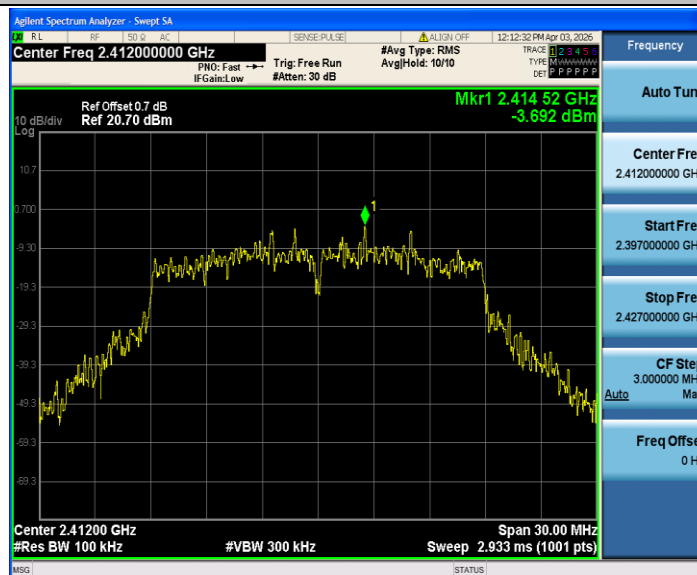
11G_Ant1_2462_30~1000



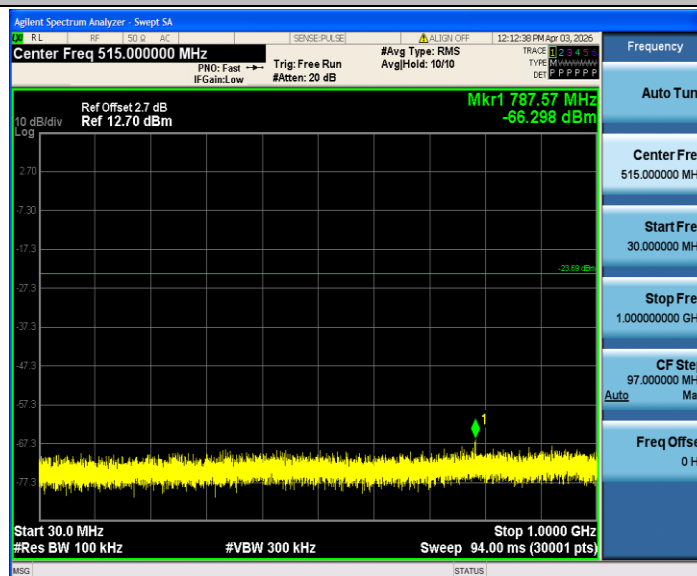
11G_Ant1_2462_1000~26500



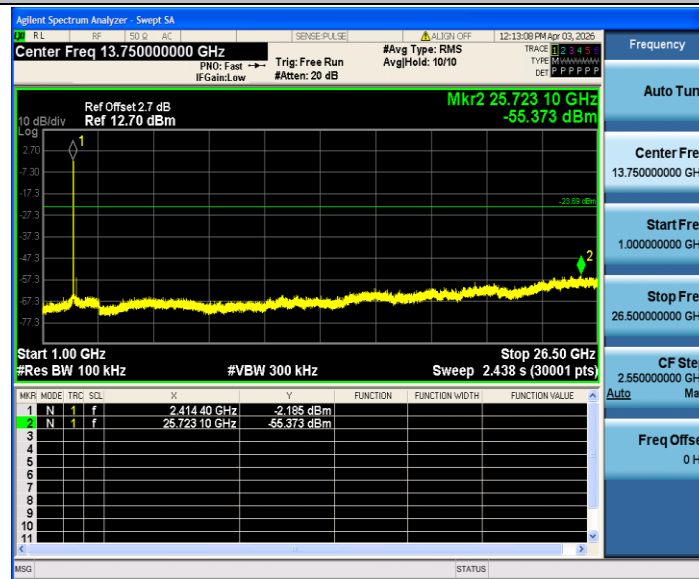
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



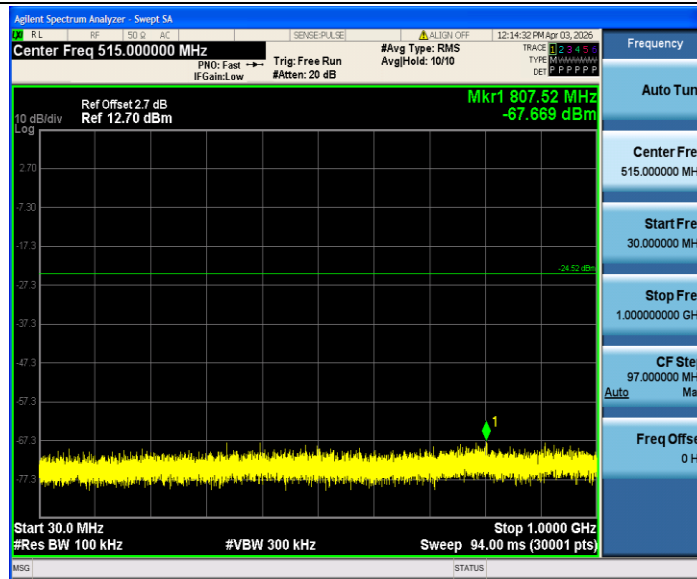
11N20SISO_Ant1_2412_1000~26500



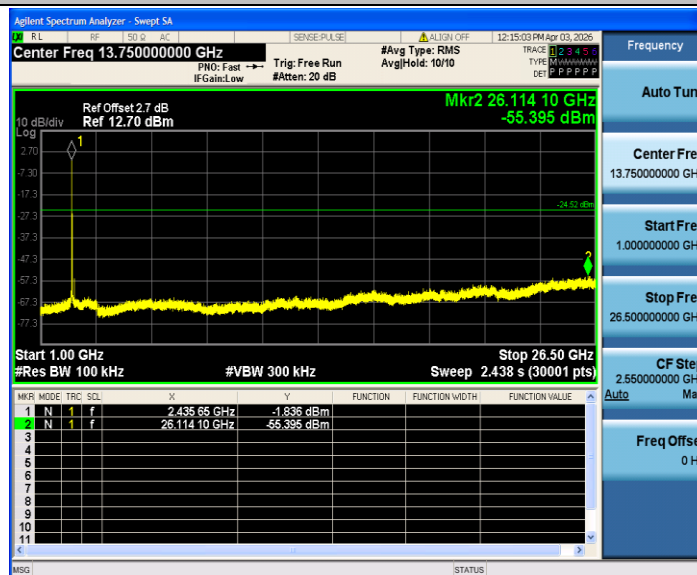
11N20SISO_Ant1_2437_0~Reference



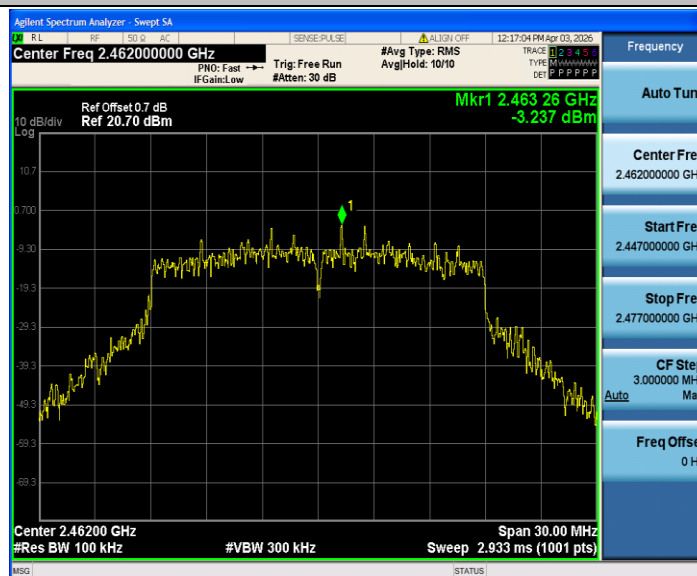
11N20SISO_Ant1_2437_30~1000



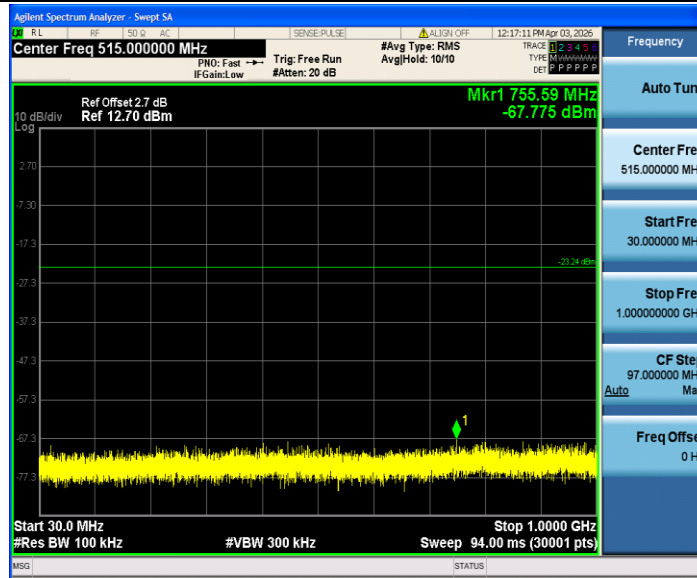
11N20SISO_Ant1_2437_1000~26500



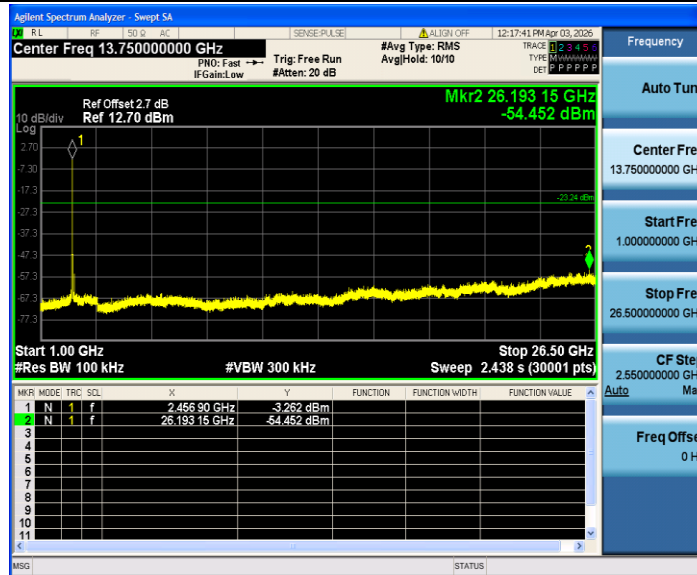
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	T Factor [dB]
11B	Ant1	2412	8.35	8.39	99.52	0.02	0.12
		2437	8.35	8.40	99.40	0.03	0.12
		2462	8.36	8.40	99.52	0.02	0.12
11G	Ant1	2412	0.15	0.20	75.00	1.25	6.67
		2437	0.15	0.19	78.95	1.03	6.67
		2462	0.15	0.20	75.00	1.25	6.67
11N20SISO	Ant1	2412	0.18	0.23	78.26	1.06	5.56
		2437	0.17	0.22	77.27	1.12	5.88
		2462	0.18	0.22	81.82	0.87	5.56