

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : **2BS8M-G56**

Company : **Shenzhen FirstCloud Smart Create Technology
Co., Ltd**

EUT : **Dash Camera**

Model Number : **G56**

Report No. : **CTA25110601109**

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	8.160	2408.080	2416.240	0.5	PASS
		2437	8.800	2432.520	2441.320	0.5	PASS
		2462	9.000	2457.520	2466.520	0.5	PASS
11G	Ant1	2412	16.280	2403.880	2420.160	0.5	PASS
		2437	16.280	2428.880	2445.160	0.5	PASS
		2462	16.360	2453.880	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.440	2420.800	0.5	PASS
		2437	17.200	2428.480	2445.680	0.5	PASS
		2462	17.240	2453.400	2470.640	0.5	PASS

Test Graphs

11B_Ant1_2412



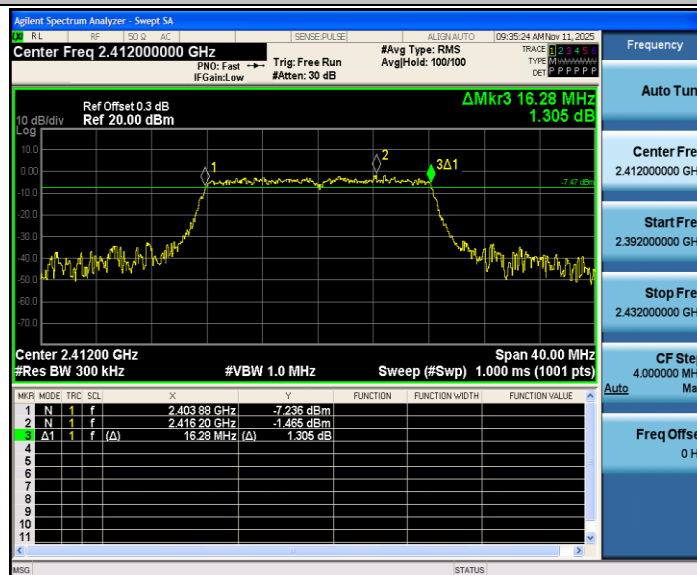
11B_Ant1_2437



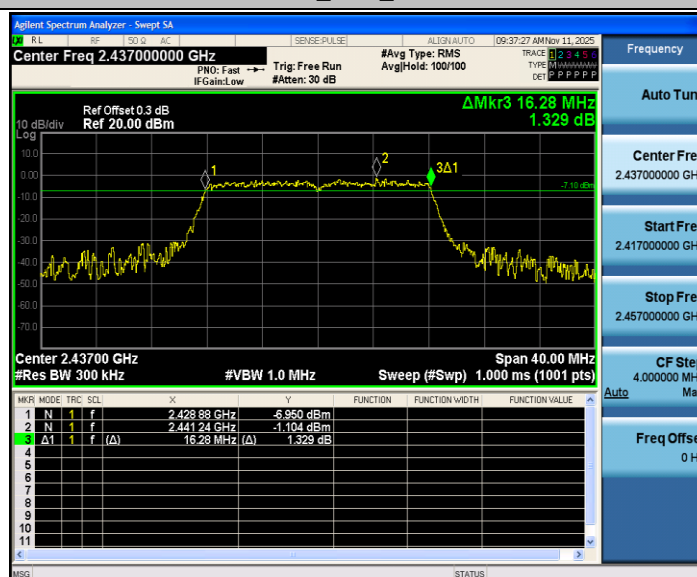
11B_Ant1_2462



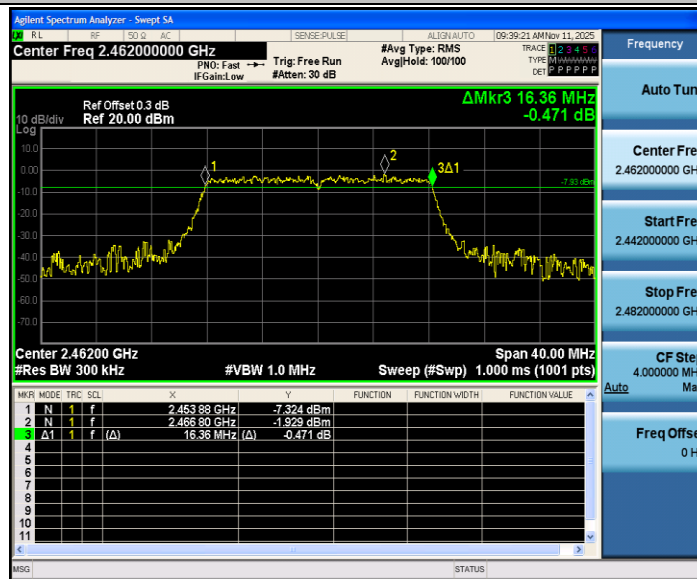
11G_Ant1_2412



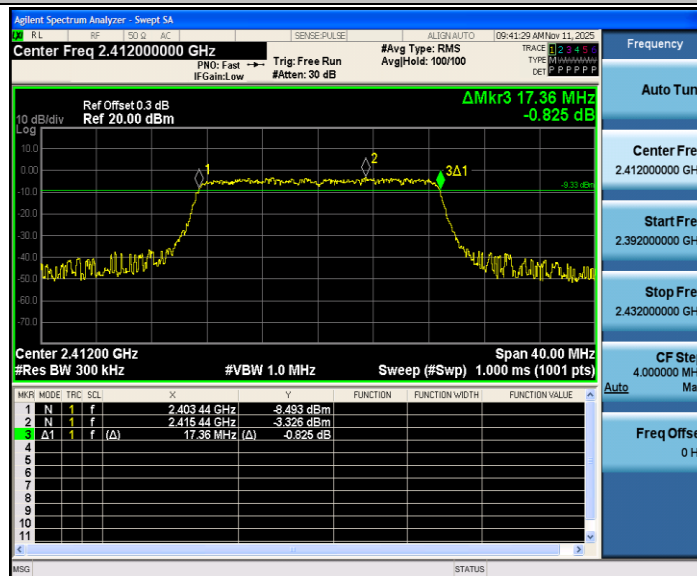
11G_Ant1_2437



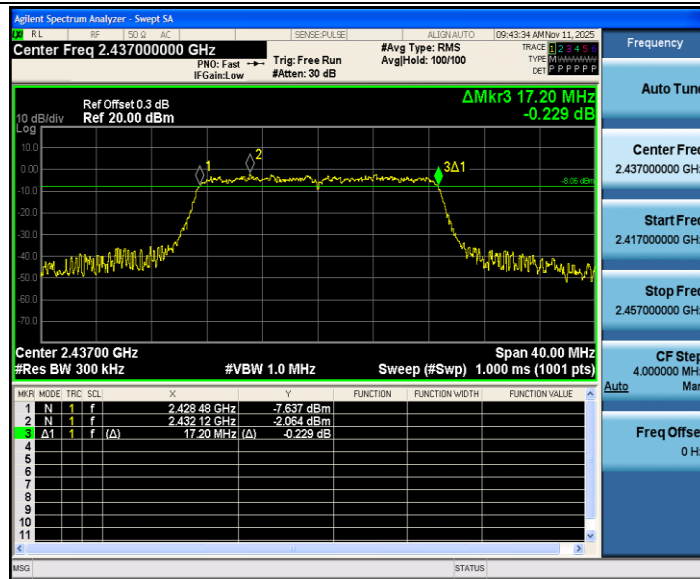
11G_Ant1_2462



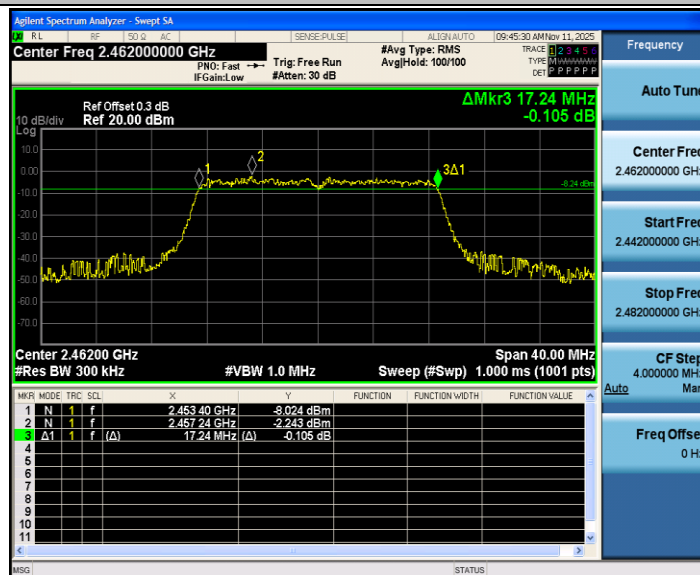
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



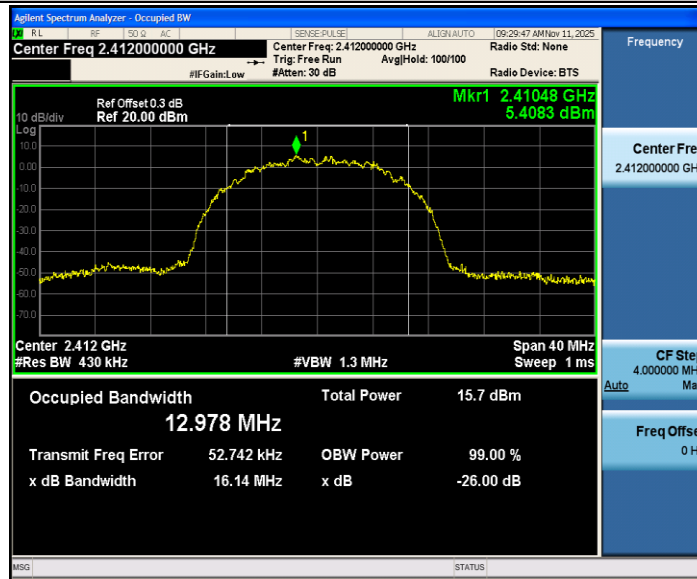
Appendix B: Occupied Channel Bandwidth

Test Result

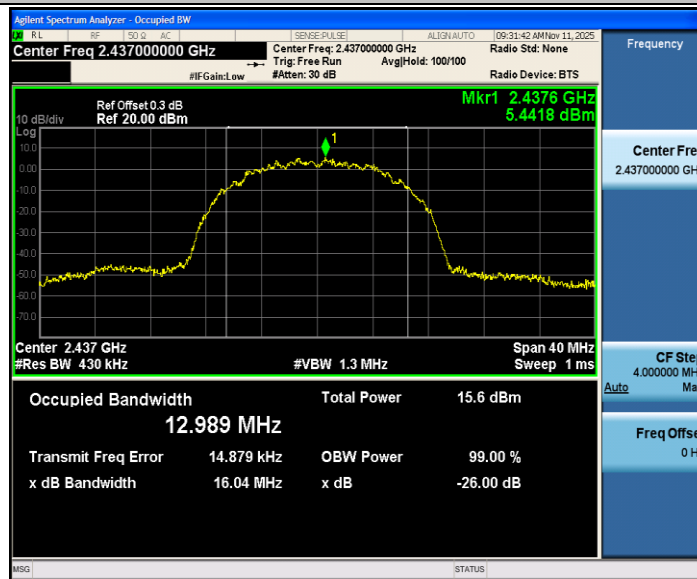
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.978	2405.5637	2418.5417	---	---
		2437	12.989	2430.5204	2443.5094	---	---
		2462	12.972	2455.5368	2468.5088	---	---
11G	Ant1	2412	16.622	2403.7100	2420.3320	---	---
		2437	16.553	2428.7463	2445.2993	---	---
		2462	16.619	2453.7052	2470.3242	---	---
11N20SISO	Ant1	2412	17.461	2403.3144	2420.7754	---	---
		2437	17.441	2428.3189	2445.7599	---	---
		2462	17.432	2453.3143	2470.7463	---	---

Test Graphs

11B_Ant1_2412



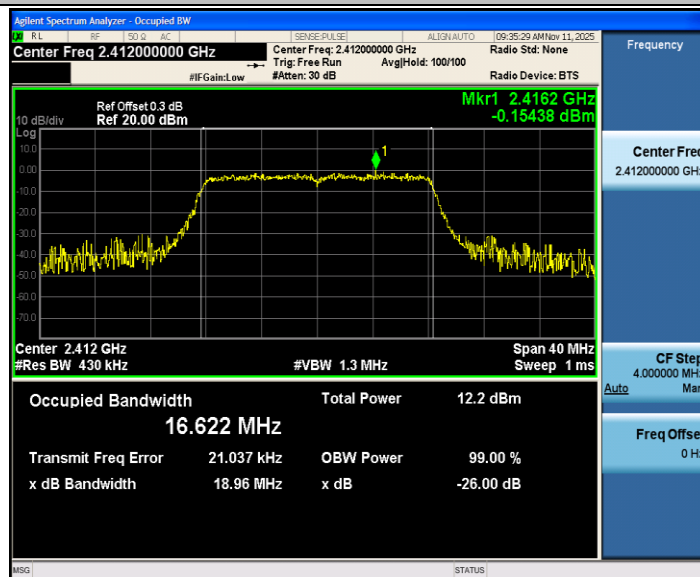
11B_Ant1_2437



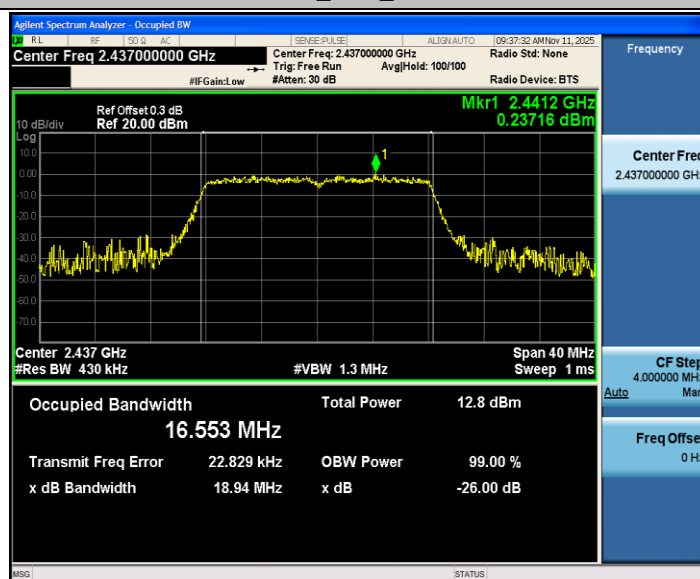
11B_Ant1_2462



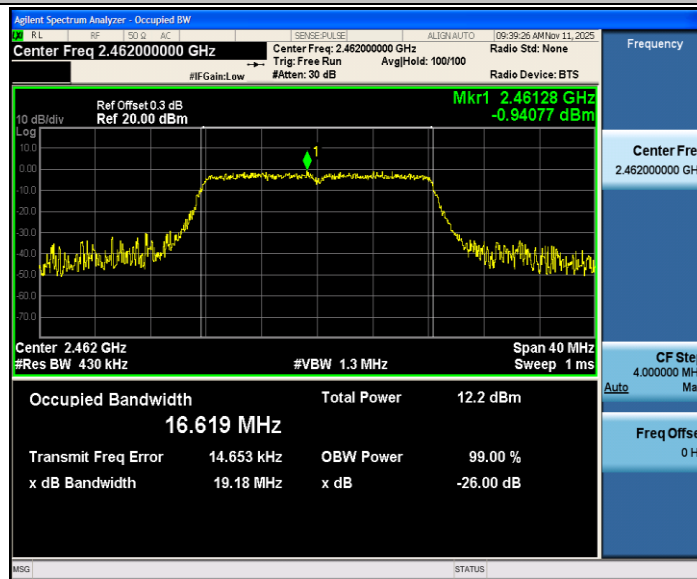
11G_Ant1_2412



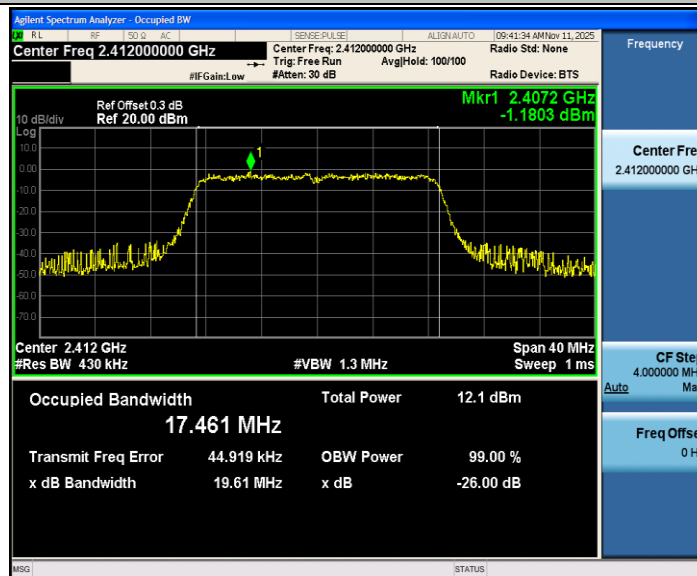
11G_Ant1_2437



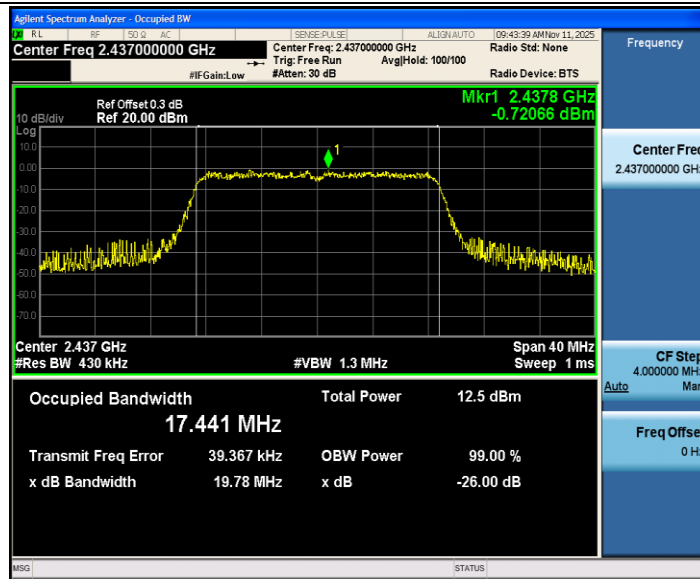
11G_Ant1_2462



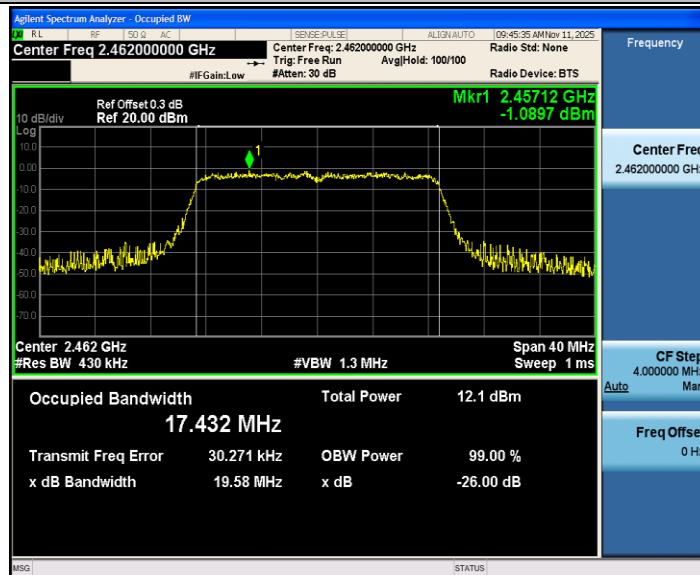
11N20SISO_Ant1_2412



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	14.95	≤30.00	PASS
		2437	15.10	≤30.00	PASS
		2462	14.81	≤30.00	PASS
11G	Ant1	2412	12.98	≤30.00	PASS
		2437	13.45	≤30.00	PASS
		2462	13.16	≤30.00	PASS
11N20SISO	Ant1	2412	13.24	≤30.00	PASS
		2437	13.61	≤30.00	PASS
		2462	13.27	≤30.00	PASS

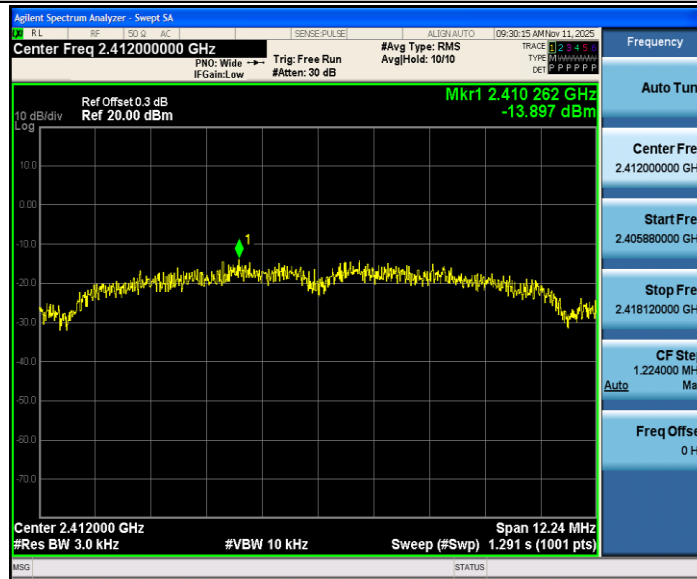
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.90	≤8.00	PASS
		2437	-13.77	≤8.00	PASS
		2462	-14.22	≤8.00	PASS
11G	Ant1	2412	-21.54	≤8.00	PASS
		2437	-21.09	≤8.00	PASS
		2462	-21.33	≤8.00	PASS
11N20SISO	Ant1	2412	-21.35	≤8.00	PASS
		2437	-21.00	≤8.00	PASS
		2462	-21.14	≤8.00	PASS

Test Graphs

11B_Ant1_2412



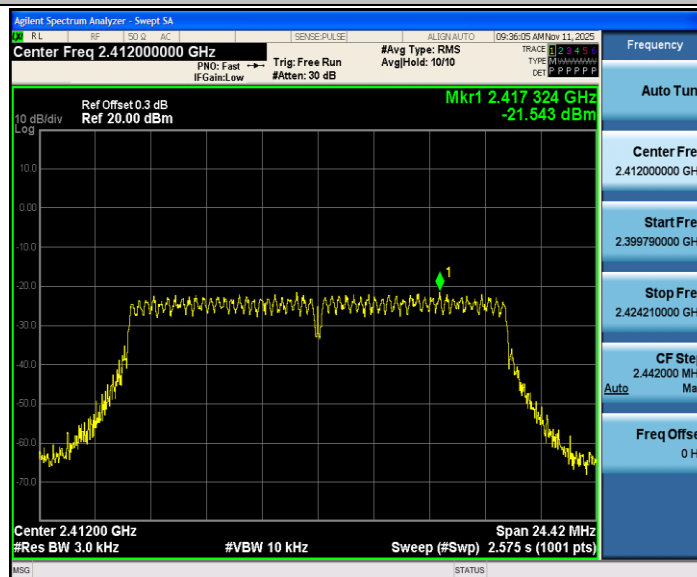
11B_Ant1_2437



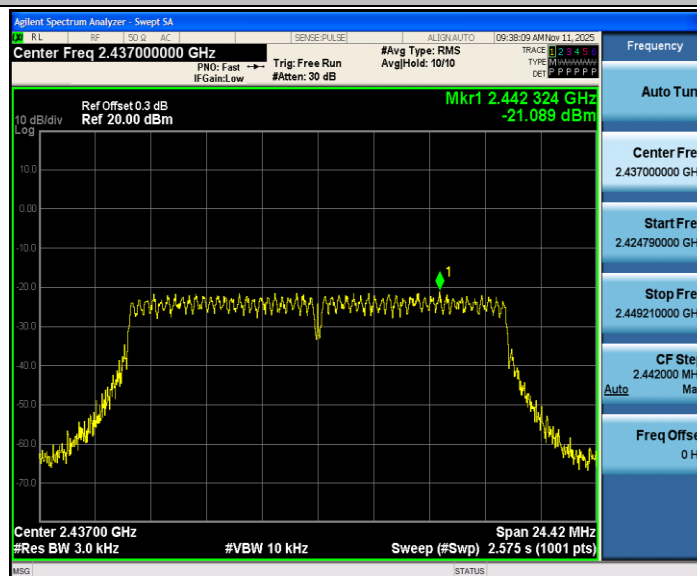
11B_Ant1_2462



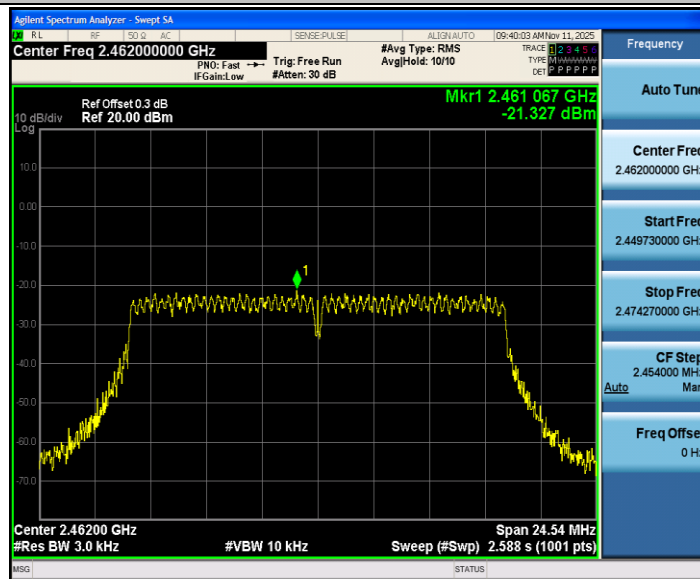
11G_Ant1_2412



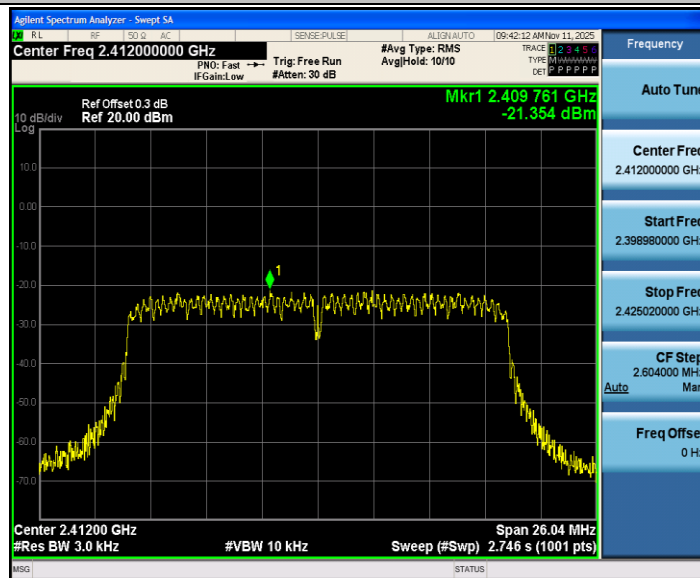
11G_Ant1_2437



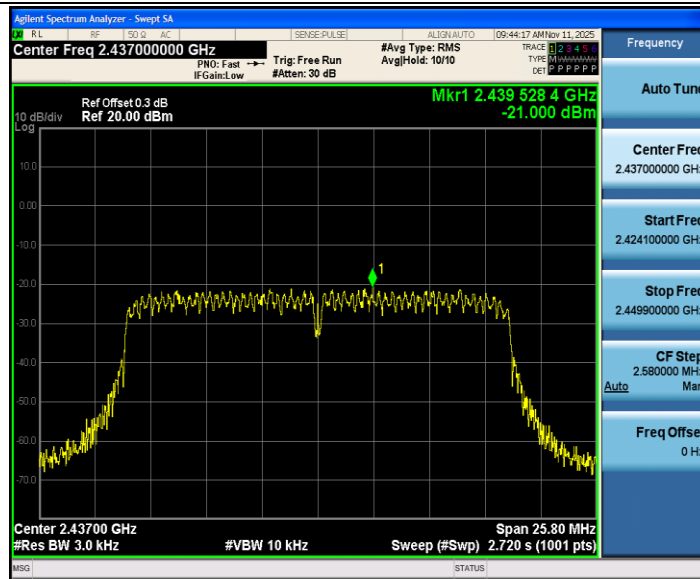
11G_Ant1_2462



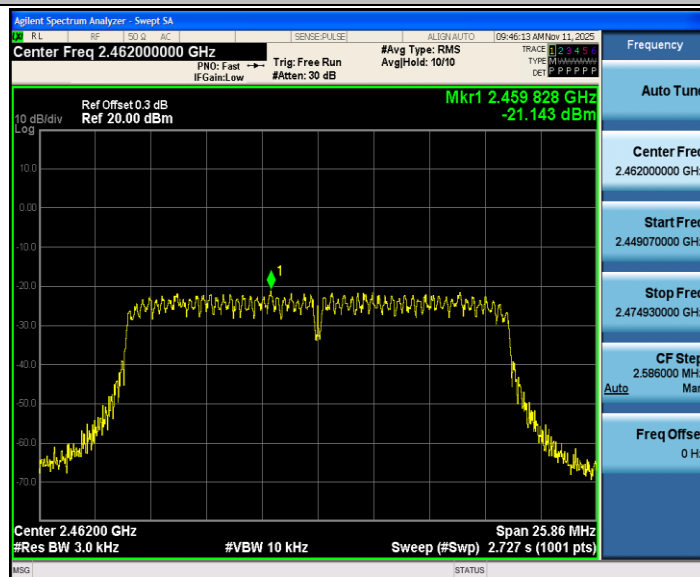
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



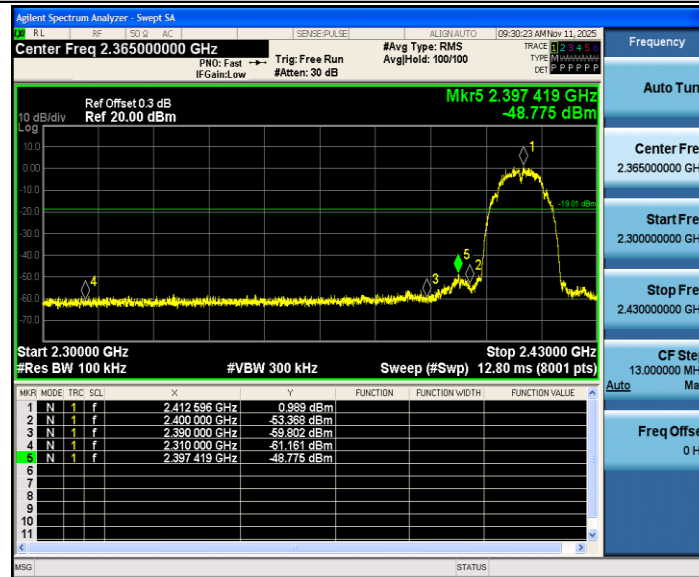
Appendix E: Band edge measurements

Test Result

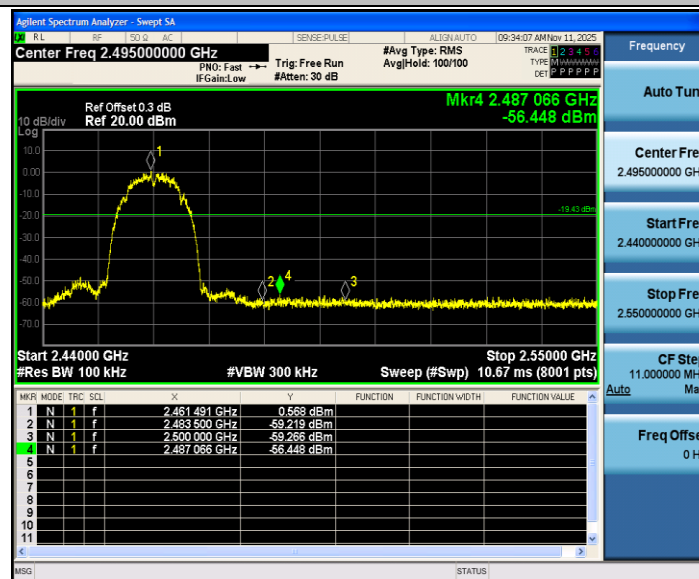
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.99	-48.78	≤-19.01	PASS
		High	2462	0.57	-56.45	≤-19.43	PASS
11G	Ant1	Low	2412	-7.24	-41.2	≤-27.24	PASS
		High	2462	-7.73	-51.91	≤-27.73	PASS
11N20SISO	Ant1	Low	2412	-7.55	-44.55	≤-27.55	PASS
		High	2462	-7.88	-52.33	≤-27.88	PASS

Test Graphs

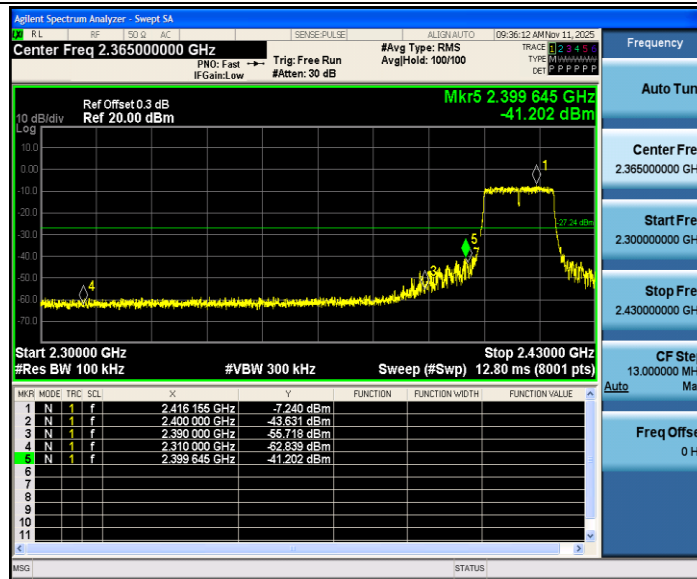
11B_Ant1_Low_2412



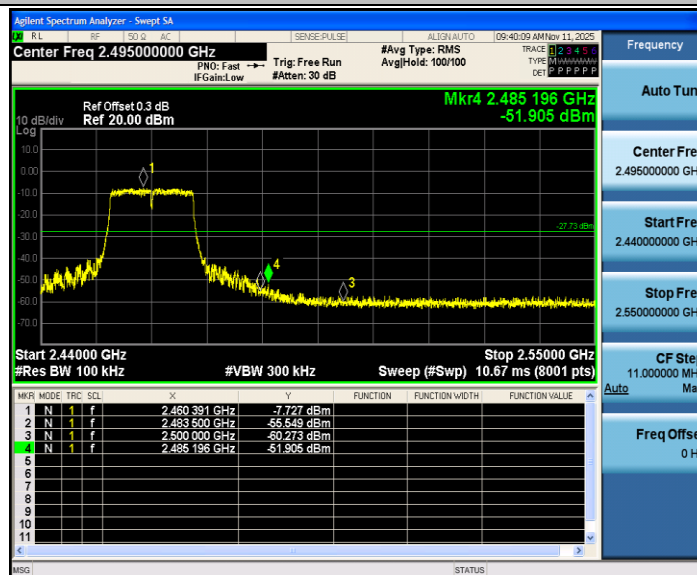
11B_Ant1_High_2462



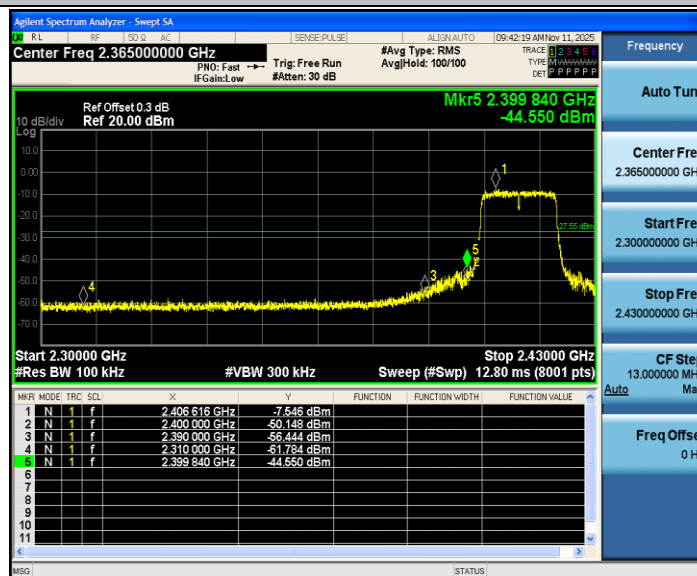
11G_Ant1_Low_2412



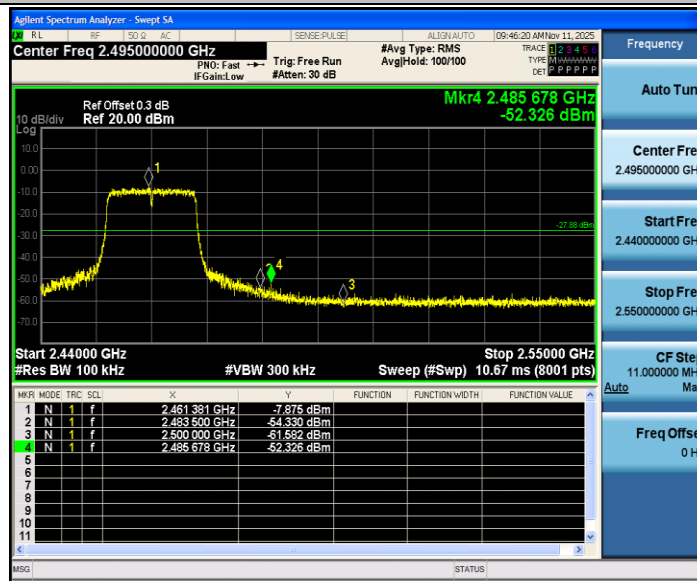
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

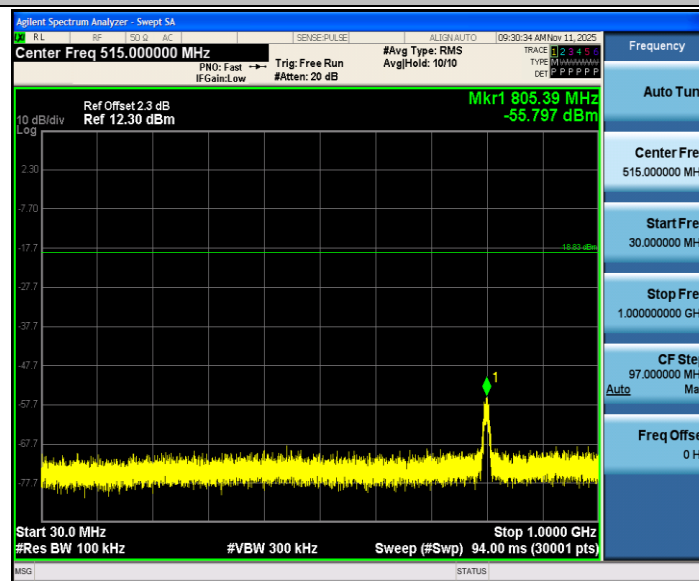
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-55.8	≤-18.83	PASS
			1000~26500	1.17	-44.88	≤-18.83	PASS
		2437	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-54.87	≤-18.86	PASS
			1000~26500	1.14	-45.52	≤-18.86	PASS
		2462	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-56.22	≤-21.03	PASS
			1000~26500	-1.03	-45.99	≤-21.03	PASS
11G	Ant1	2412	Reference	-8.19	-8.19	---	PASS
			30~1000	-8.19	-59.99	≤-28.19	PASS
			1000~26500	-8.19	-44.85	≤-28.19	PASS
		2437	Reference	-7.40	-7.40	---	PASS
			30~1000	-7.40	-60.01	≤-27.4	PASS
			1000~26500	-7.40	-45.45	≤-27.4	PASS
		2462	Reference	-7.61	-7.61	---	PASS
			30~1000	-7.61	-59.82	≤-27.61	PASS
			1000~26500	-7.61	-45.85	≤-27.61	PASS
11N20SISO	Ant1	2412	Reference	-8.36	-8.36	---	PASS
			30~1000	-8.36	-59.85	≤-28.36	PASS
			1000~26500	-8.36	-44.88	≤-28.36	PASS
		2437	Reference	-8.00	-8.00	---	PASS
			30~1000	-8.00	-60.48	≤-28	PASS
			1000~26500	-8.00	-45.23	≤-28	PASS
		2462	Reference	-8.09	-8.09	---	PASS
			30~1000	-8.09	-59.71	≤-28.09	PASS
			1000~26500	-8.09	-45.83	≤-28.09	PASS

Test Graphs

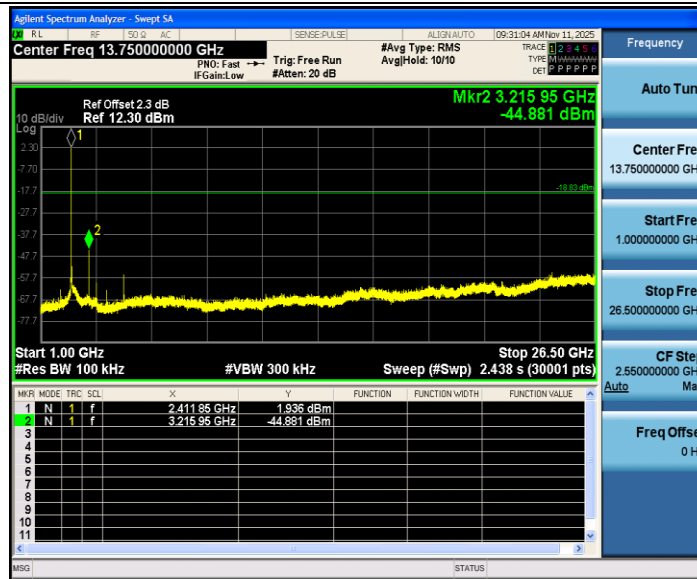
11B_Ant1_2412_0~Reference



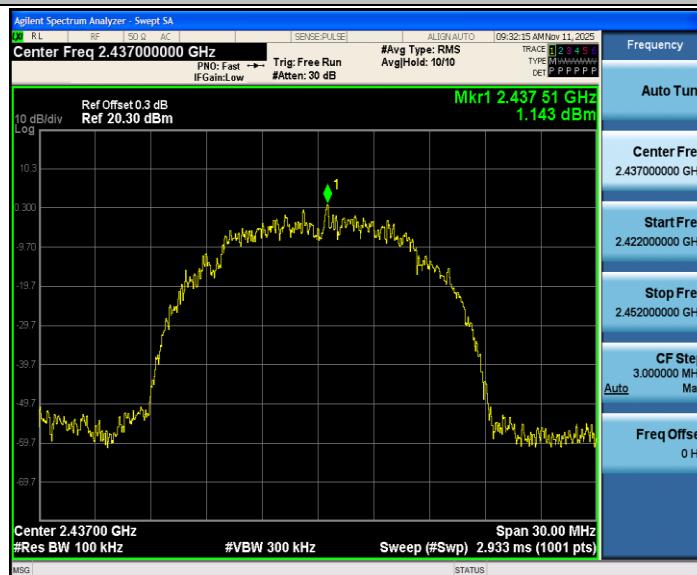
11B_Ant1_2412_30~1000



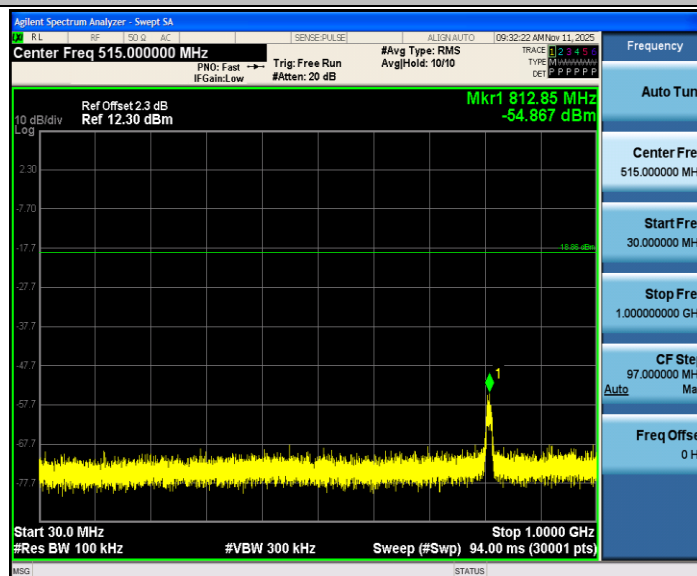
11B_Ant1_2412_1000~26500



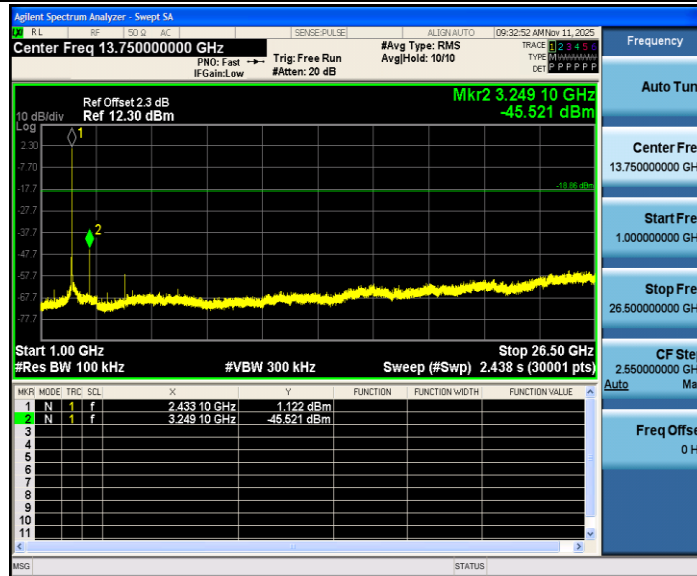
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



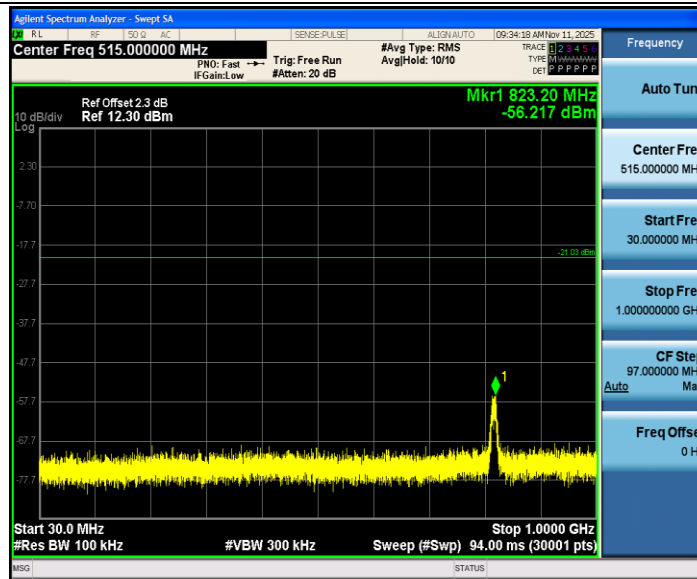
11B_Ant1_2437_1000~26500



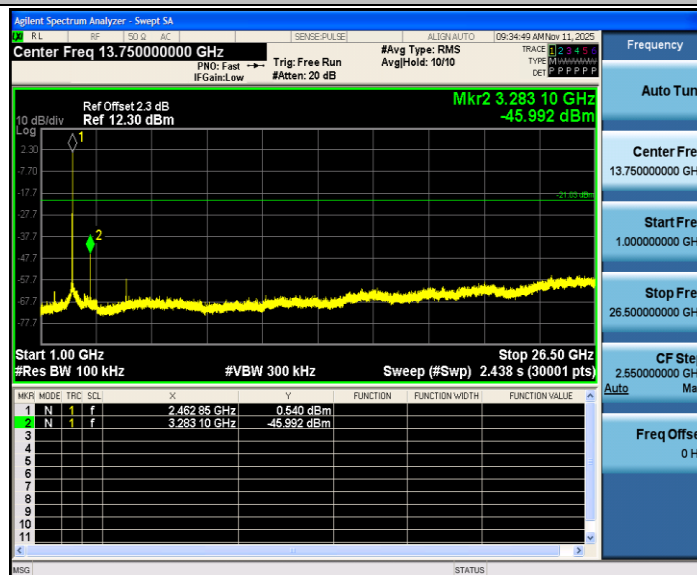
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



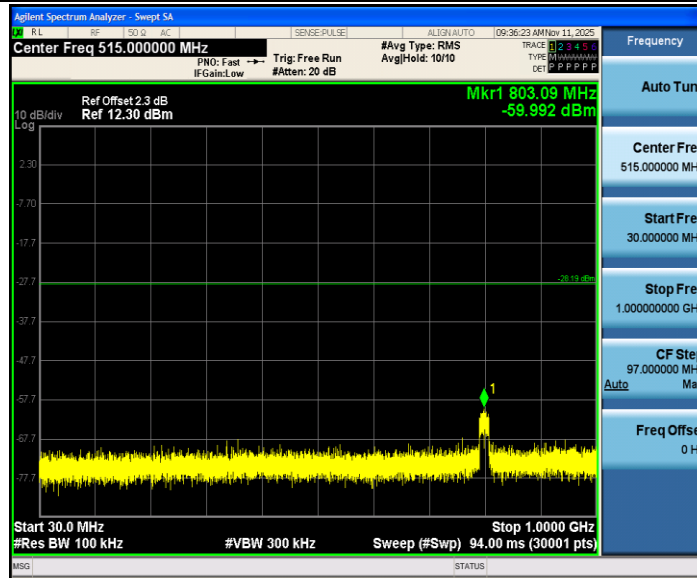
11B_Ant1_2462_1000~26500



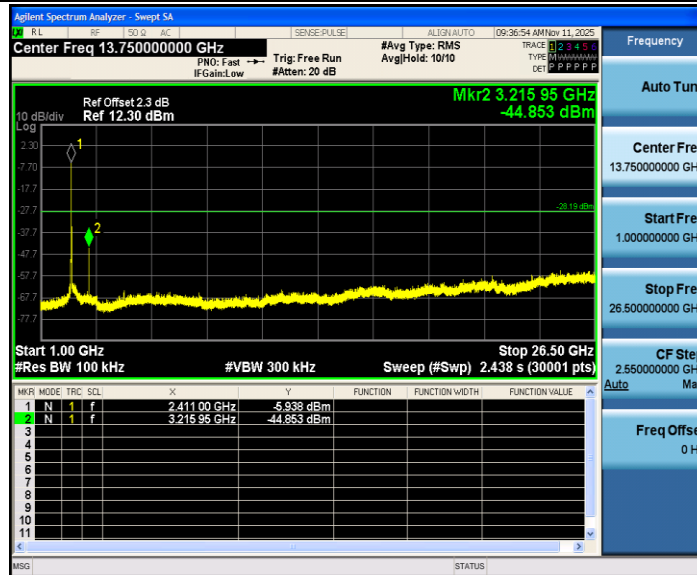
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



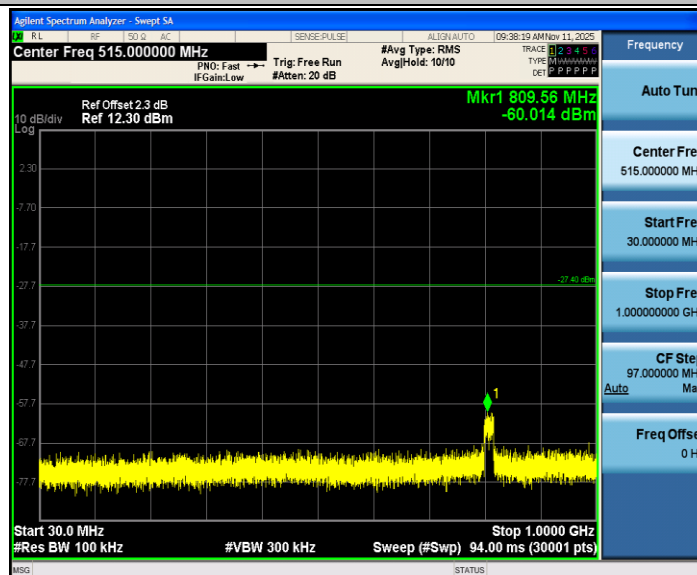
11G_Ant1_2412_1000~26500



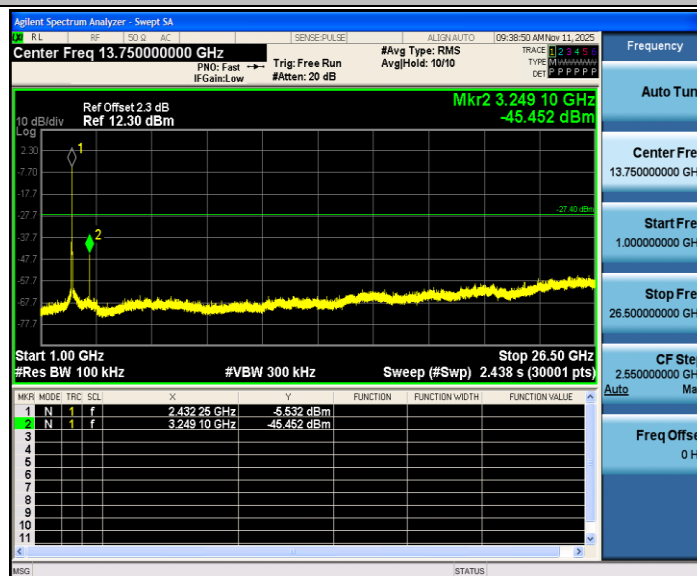
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



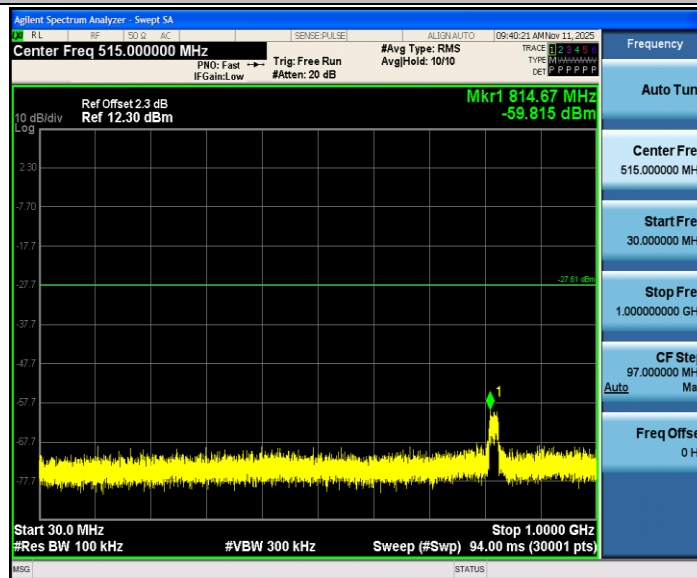
11G_Ant1_2437_1000~26500



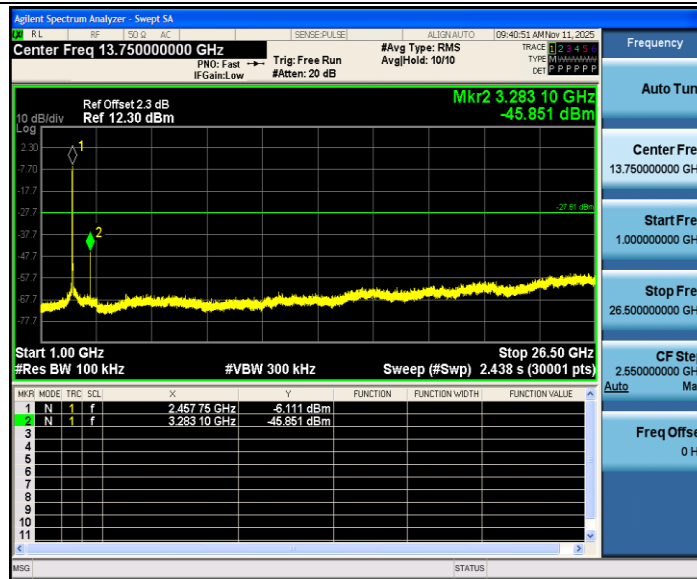
11G_Ant1_2462_0~Reference



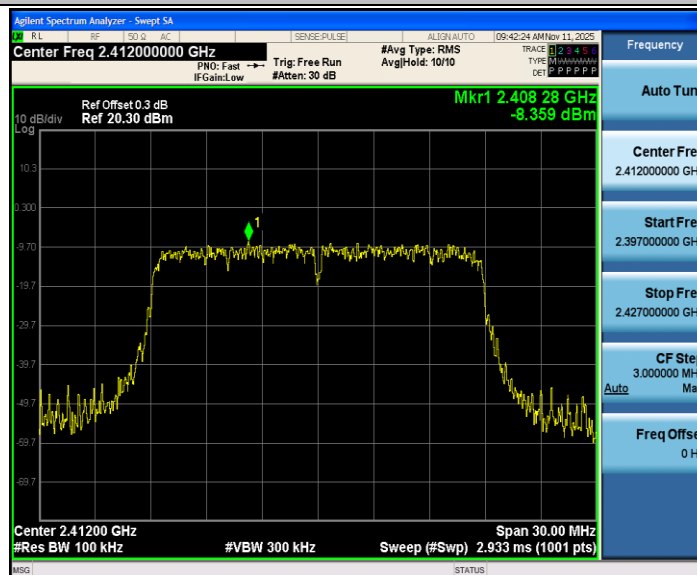
11G_Ant1_2462_30~1000



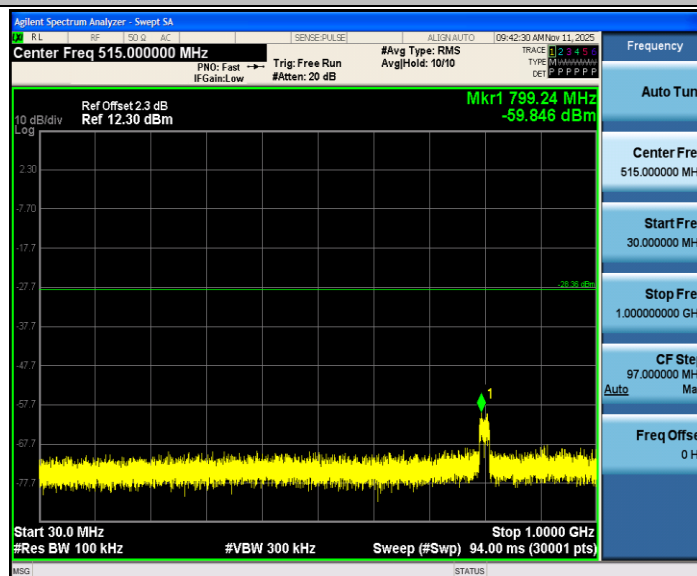
11G_Ant1_2462_1000~26500



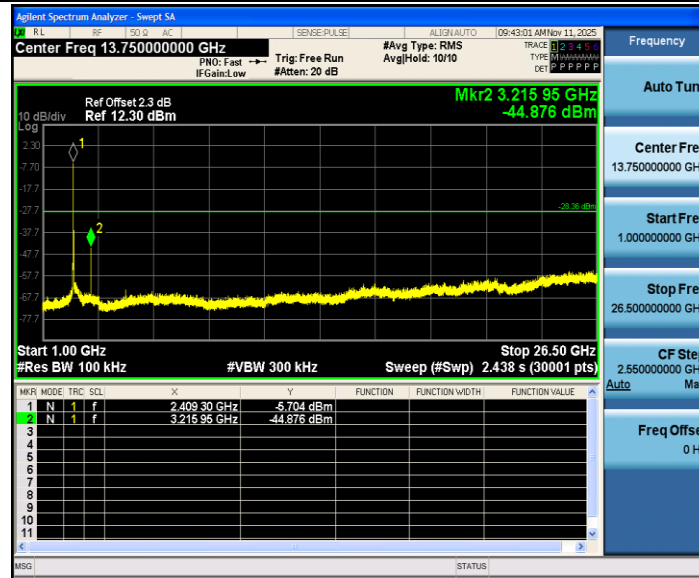
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



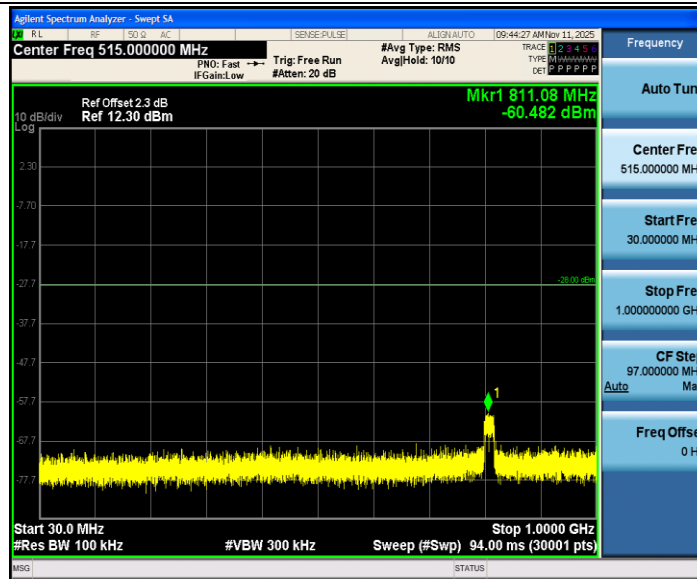
11N20SISO_Ant1_2412_1000~26500



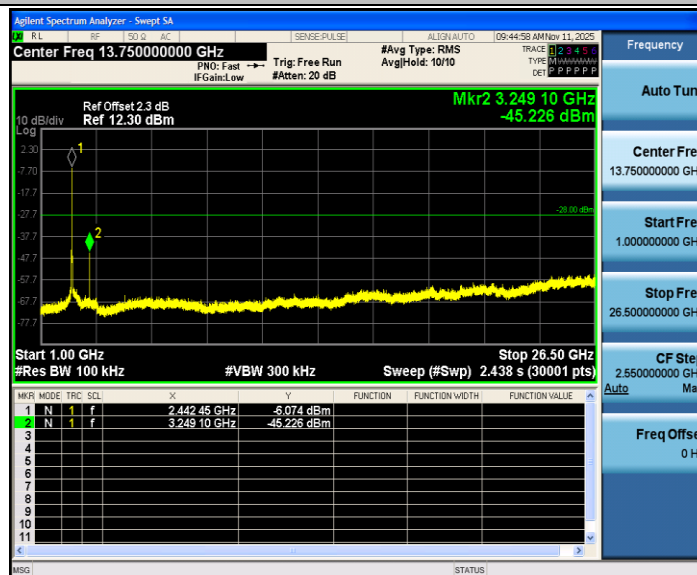
11N20SISO_Ant1_2437_0~Reference



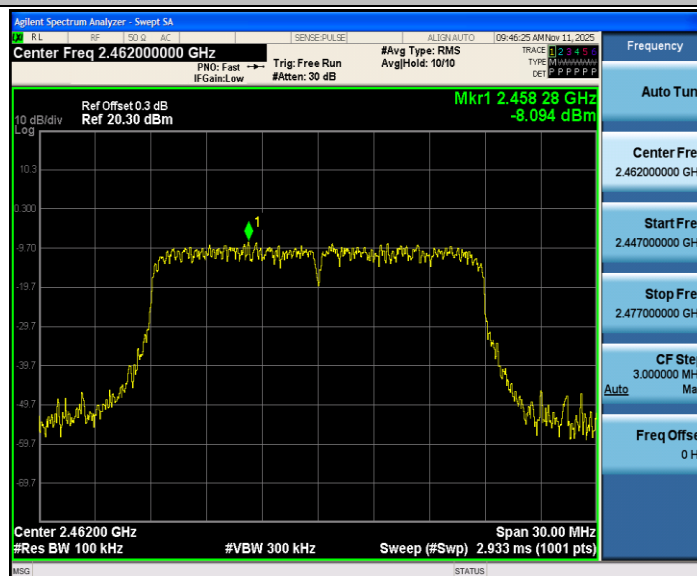
11N20SISO_Ant1_2437_30~1000



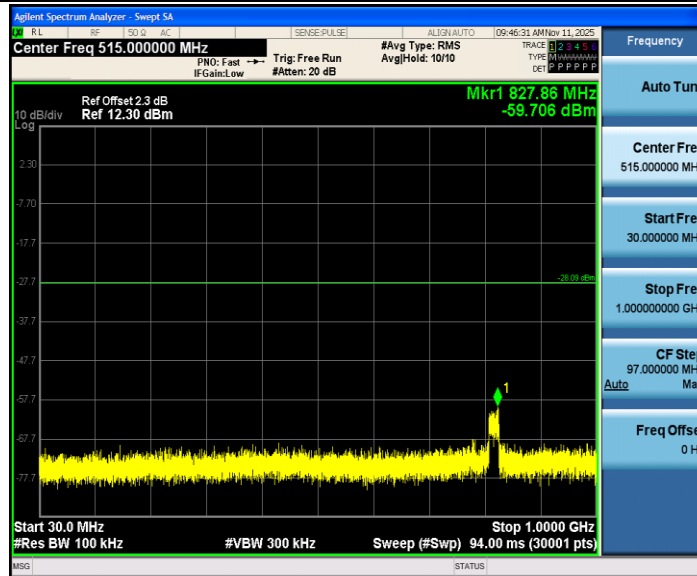
11N20SISO_Ant1_2437_1000~26500



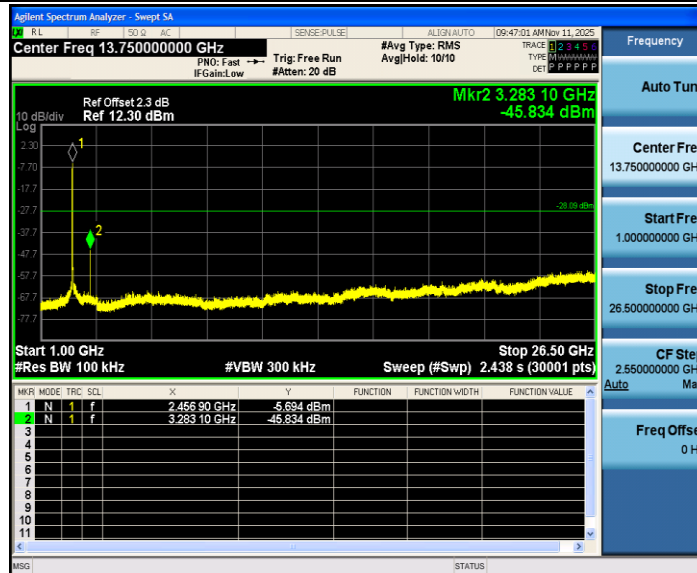
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

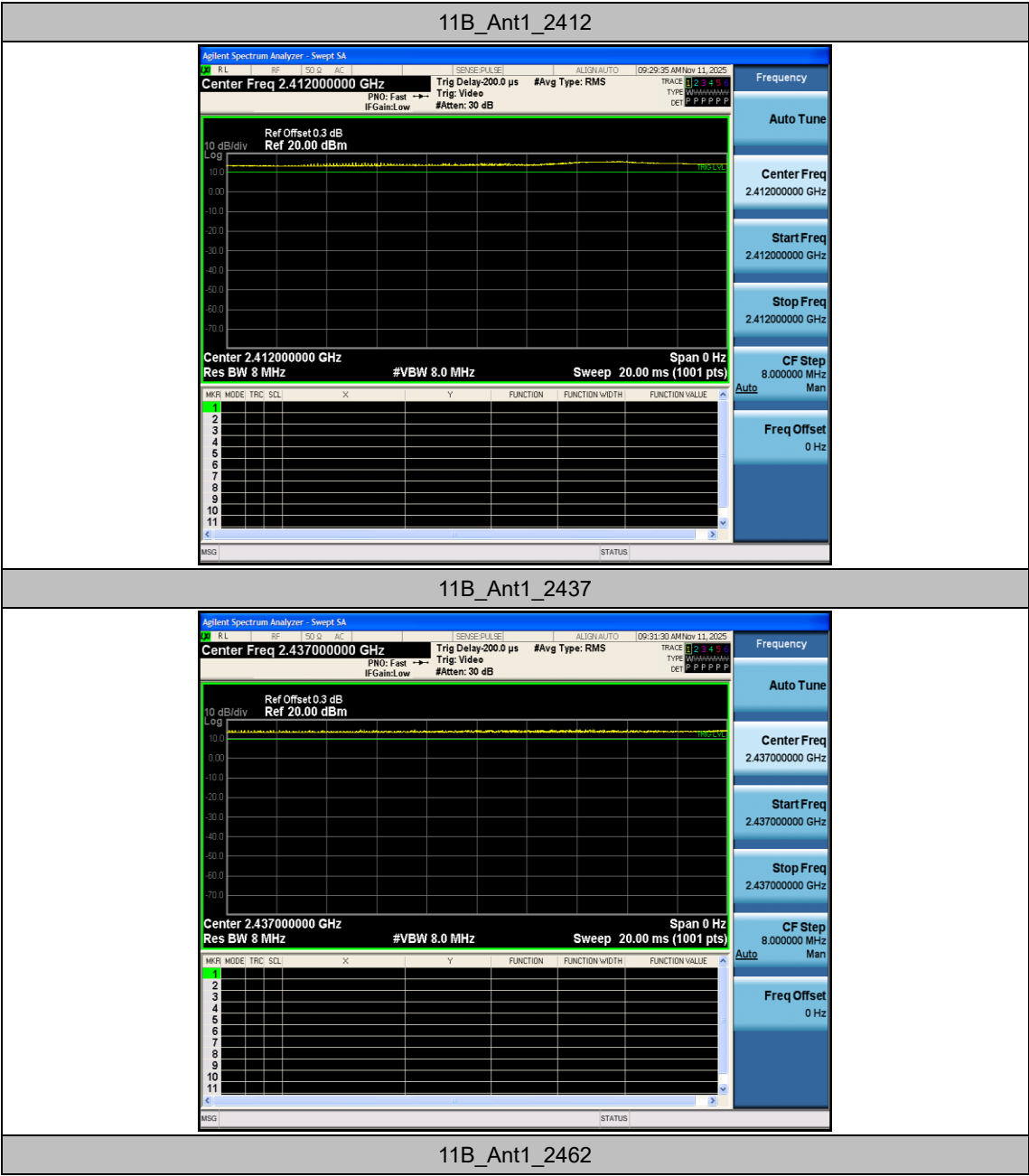


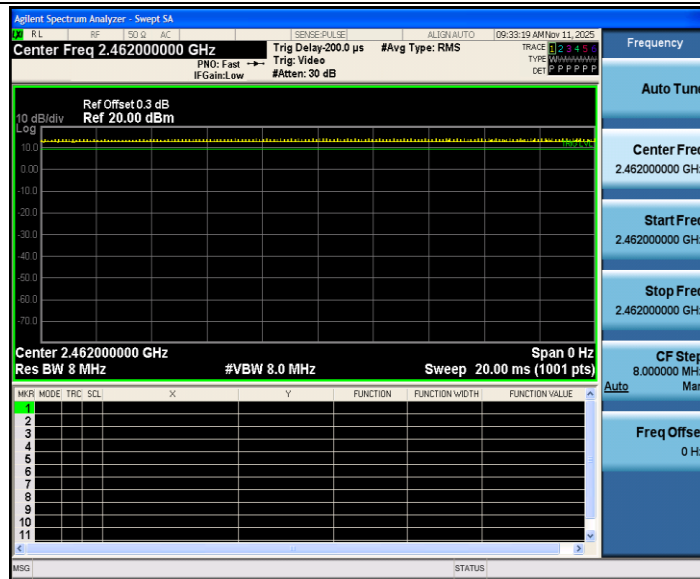
Appendix G: Duty Cycle

Test Result

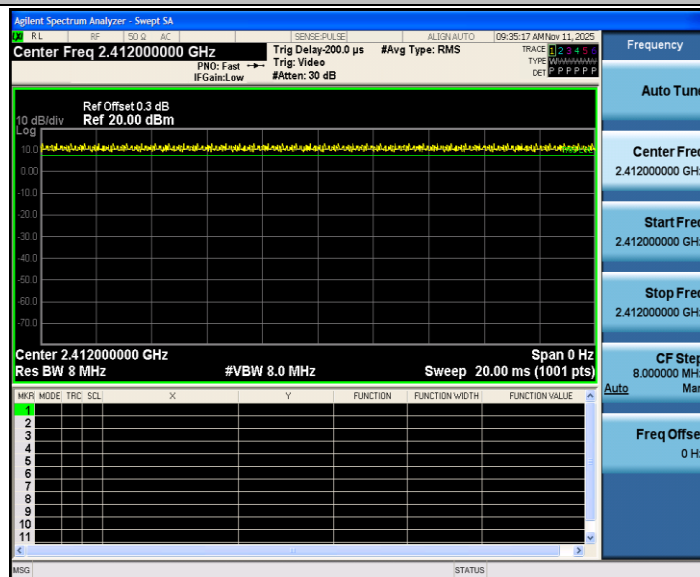
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2462	20.00	20.00	100.00
11G	Ant1	2412	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2462	20.00	20.00	100.00
11N20SISO	Ant1	2412	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2462	20.00	20.00	100.00

Test Graphs





11G_Ant1_2412



11G_Ant1_2437

