

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BRHB-M8

Company : Shenzhen SelectCam Technology Co., Ltd.

EUT : MDVR

Model Number : M8

Report No. : CTA25103100105

Reviewed By : Eric Wang

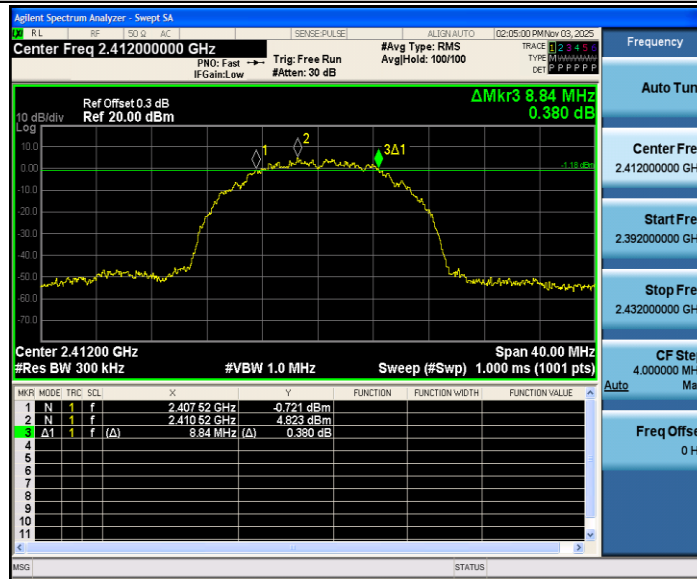
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.840	2407.520	2416.360	0.5	PASS
		2437	8.280	2433.040	2441.320	0.5	PASS
		2462	8.800	2457.520	2466.320	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	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.400	2420.720	0.5	PASS
		2437	17.200	2428.440	2445.640	0.5	PASS
		2462	17.400	2453.360	2470.760	0.5	PASS
11N40SISO	Ant1	2422	33.600	2405.360	2438.960	0.5	PASS
		2437	34.000	2420.120	2454.120	0.5	PASS
		2452	33.920	2435.120	2469.040	0.5	PASS

Test Graphs

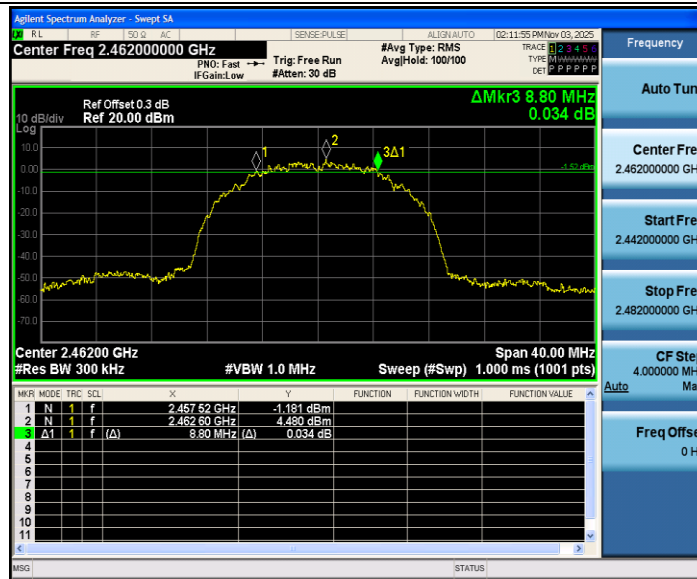
11B_Ant1_2412



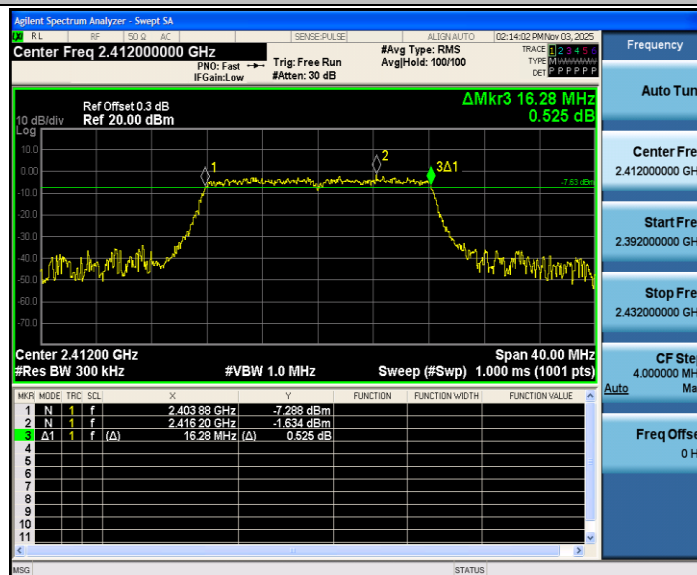
11B_Ant1_2437



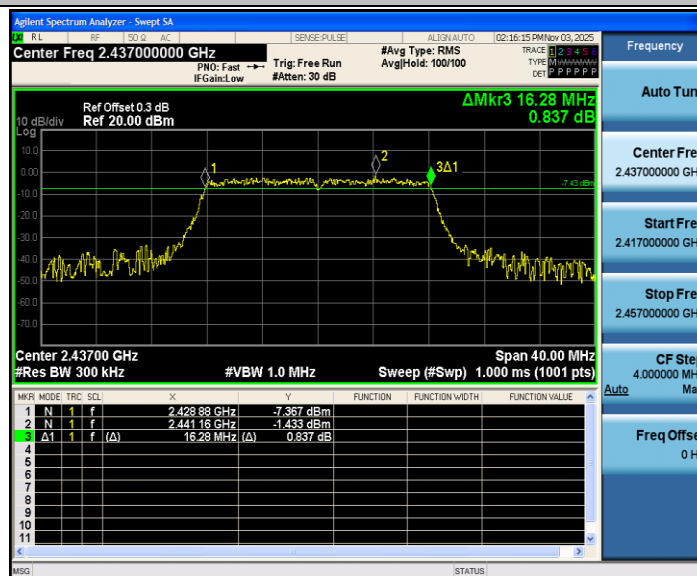
11B_Ant1_2462



11G_Ant1_2412



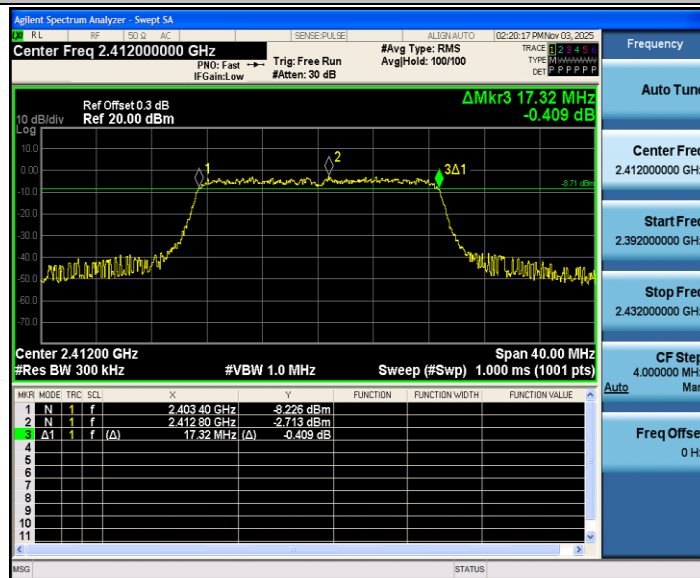
11G_Ant1_2437



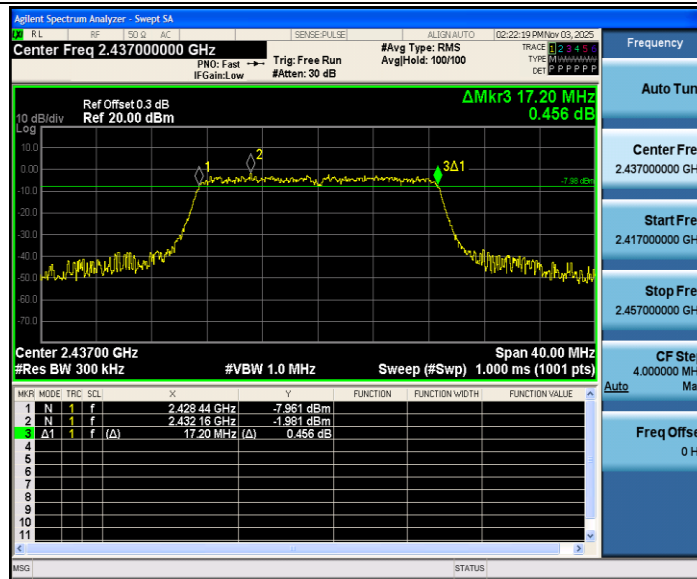
11G_Ant1_2462



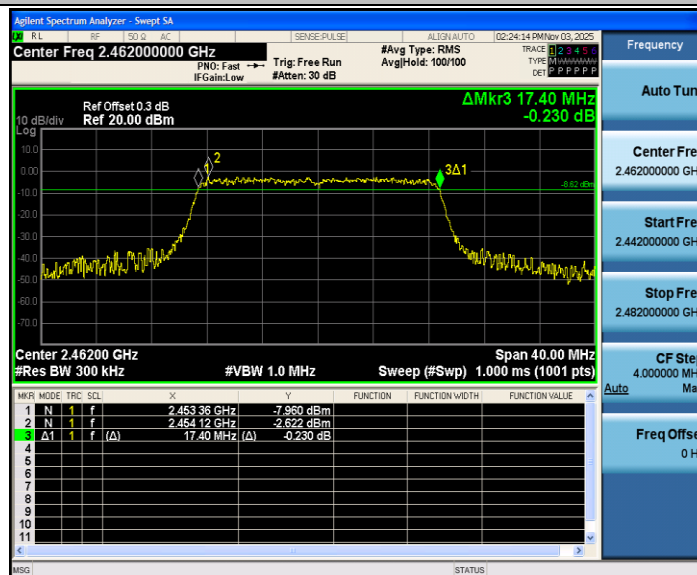
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



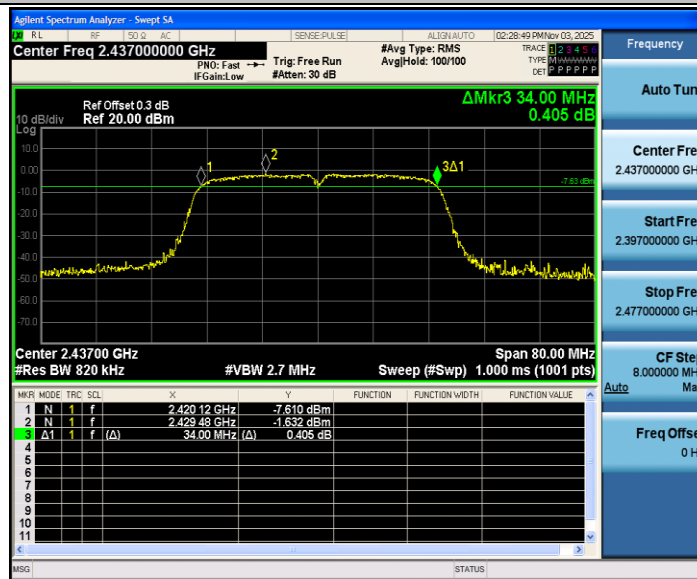
11N20SISO_Ant1_2462



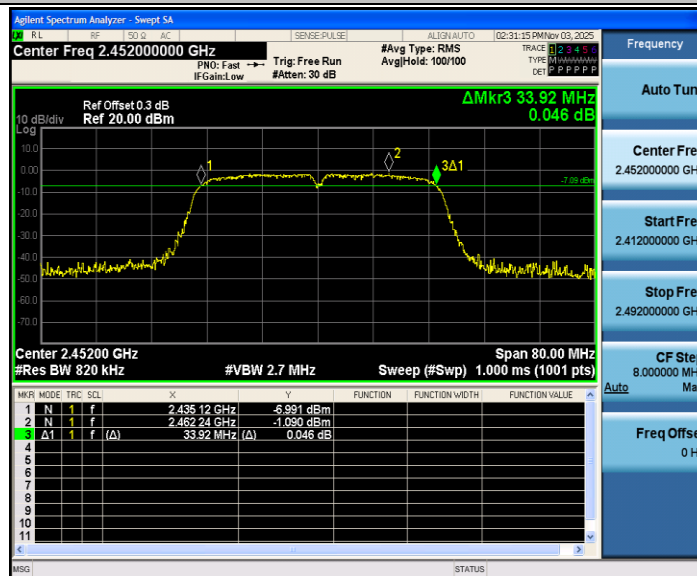
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



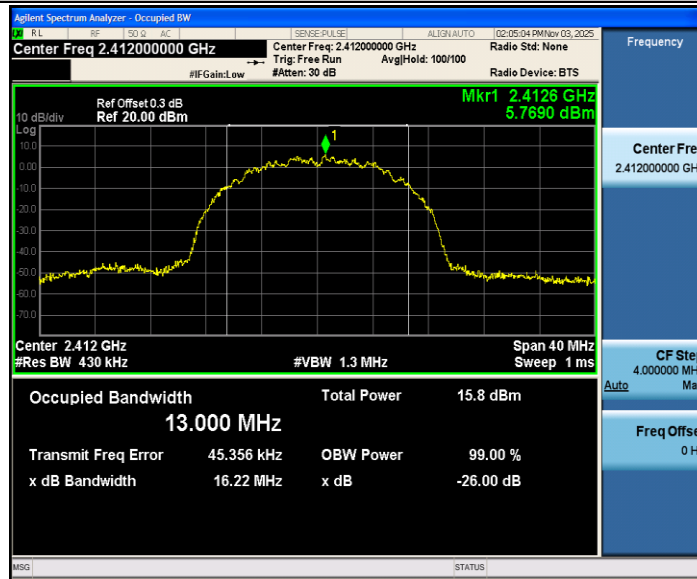
Appendix B: Occupied Channel Bandwidth

Test Result

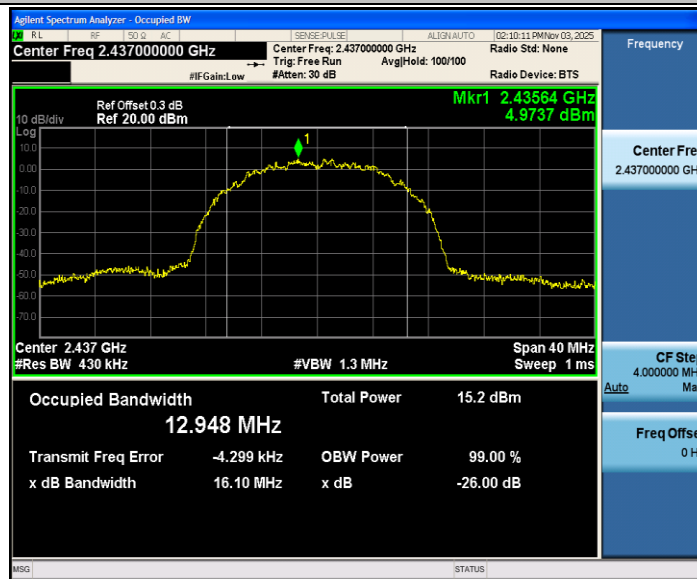
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.000	2405.5454	2418.5454	---	---
		2437	12.948	2430.5217	2443.4697	---	---
		2462	13.024	2455.5002	2468.5242	---	---
11G	Ant1	2412	16.581	2403.7452	2420.3262	---	---
		2437	16.557	2428.7462	2445.3032	---	---
		2462	16.645	2453.6862	2470.3312	---	---
11N20SISO	Ant1	2412	17.453	2403.3247	2420.7777	---	---
		2437	17.429	2428.3262	2445.7552	---	---
		2462	17.437	2453.3159	2470.7529	---	---
11N40SISO	Ant1	2422	34.757	2404.8070	2439.5640	---	---
		2437	34.798	2419.7321	2454.5301	---	---
		2452	34.764	2434.7022	2469.4662	---	---

Test Graphs

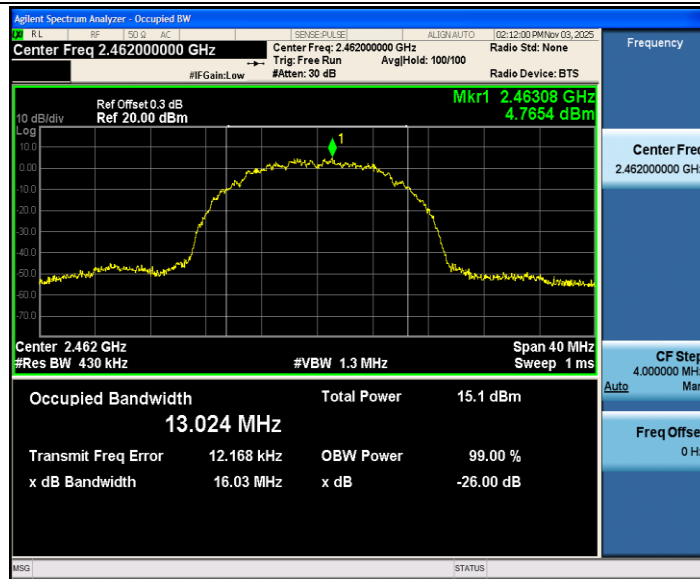
11B_Ant1_2412



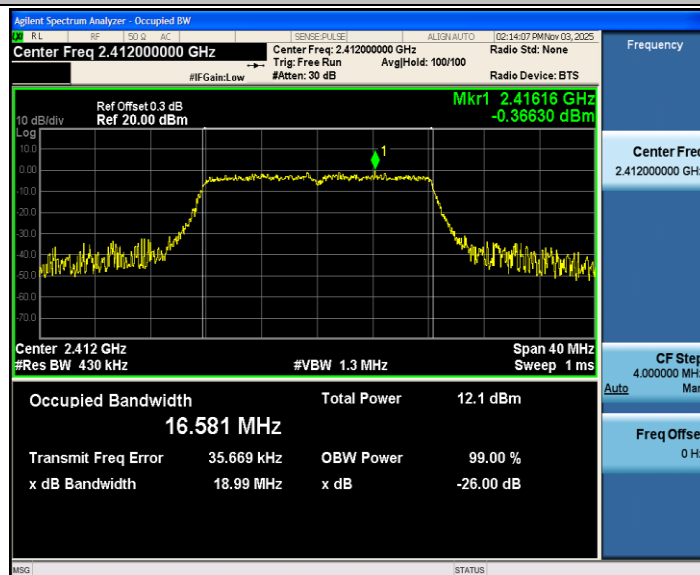
11B_Ant1_2437



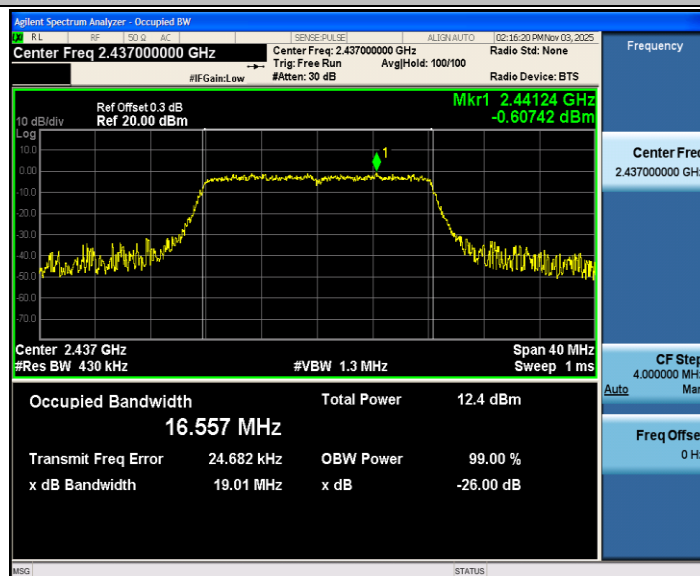
11B_Ant1_2462



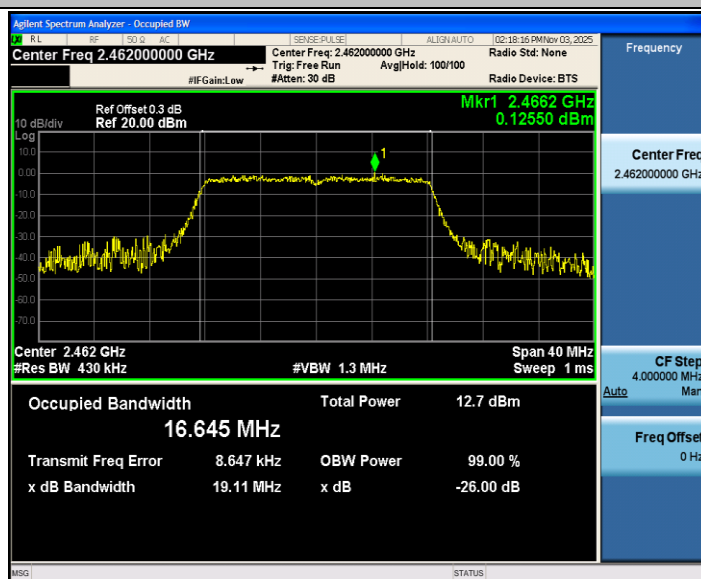
11G_Ant1_2412



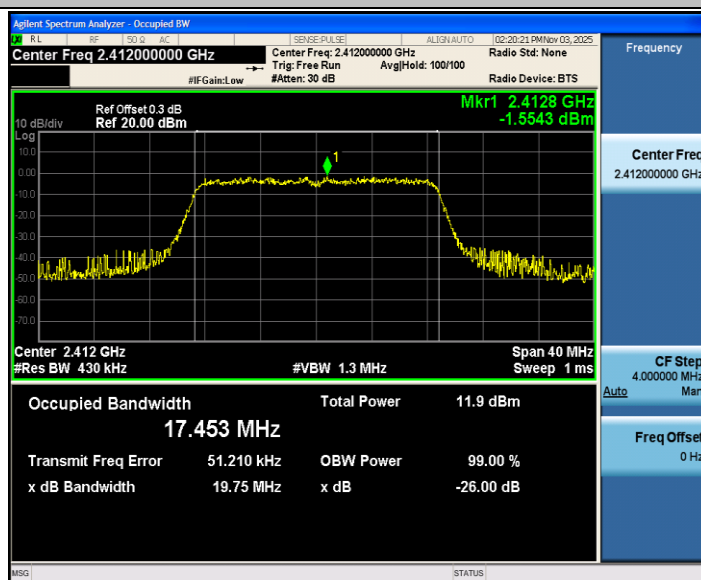
11G_Ant1_2437



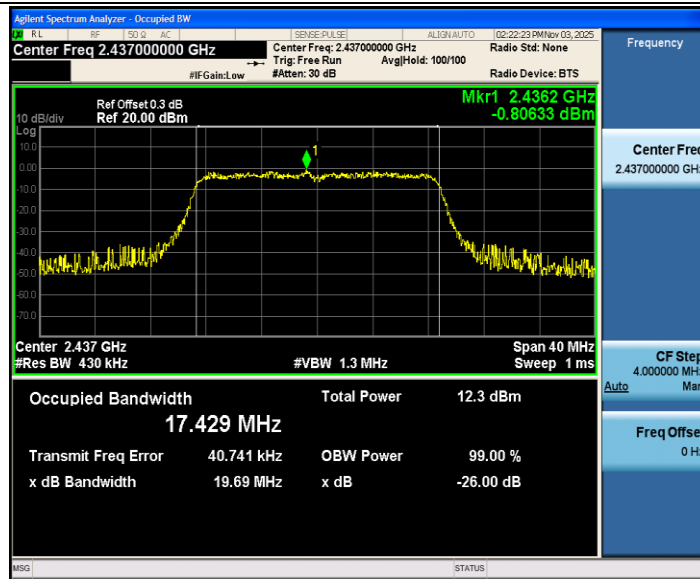
11G_Ant1_2462



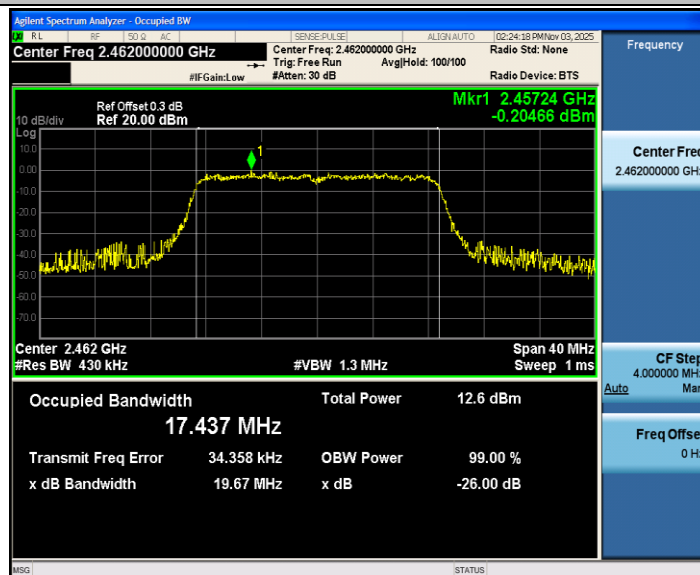
11N20SISO_Ant1_2412



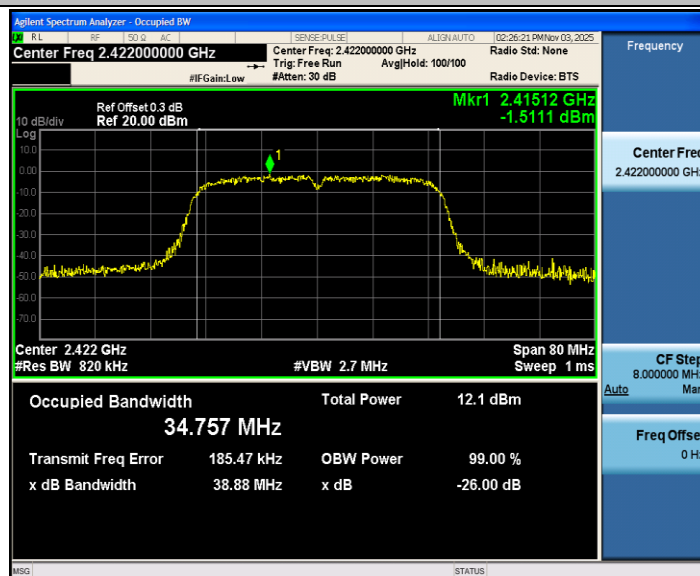
11N20SISO_Ant1_2437



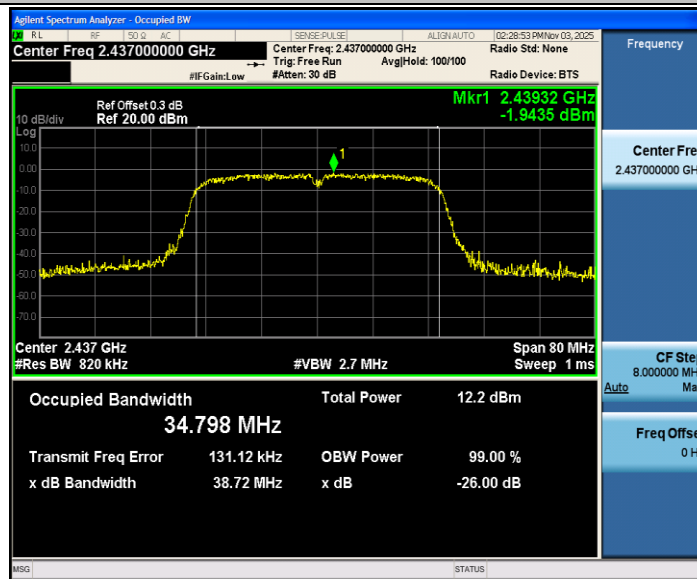
11N20SISO_Ant1_2462



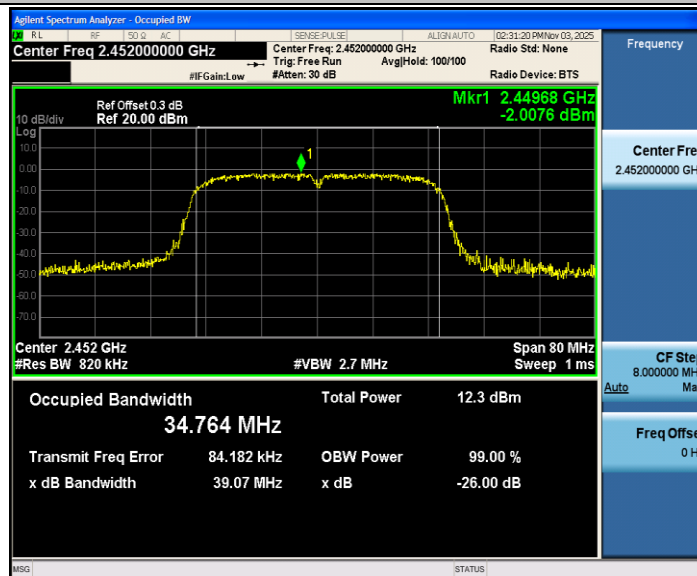
11N40SISO_Ant1_2422



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	15.14	≤30.00	PASS
		2437	14.51	≤30.00	PASS
		2462	14.57	≤30.00	PASS
11G	Ant1	2412	12.89	≤30.00	PASS
		2437	13.21	≤30.00	PASS
		2462	13.57	≤30.00	PASS
11N20SISO	Ant1	2412	13.22	≤30.00	PASS
		2437	13.50	≤30.00	PASS
		2462	13.73	≤30.00	PASS
11N40SISO	Ant1	2422	12.36	≤30.00	PASS
		2437	12.47	≤30.00	PASS
		2452	12.56	≤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	-13.57	≤8.00	PASS
		2437	-14.13	≤8.00	PASS
		2462	-14.01	≤8.00	PASS
11G	Ant1	2412	-21.51	≤8.00	PASS
		2437	-21.14	≤8.00	PASS
		2462	-21.00	≤8.00	PASS
11N20SISO	Ant1	2412	-21.19	≤8.00	PASS
		2437	-20.86	≤8.00	PASS
		2462	-20.66	≤8.00	PASS
11N40SISO	Ant1	2422	-22.96	≤8.00	PASS
		2437	-23.08	≤8.00	PASS
		2452	-22.79	≤8.00	PASS

Test Graphs

11B_Ant1_2412



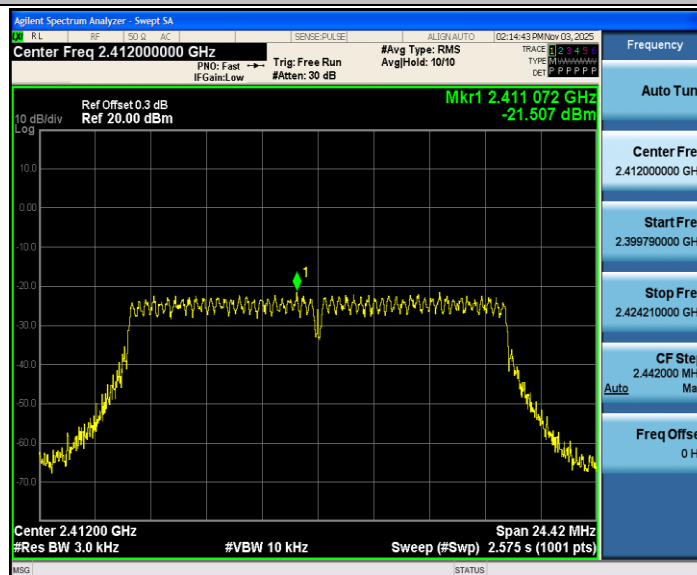
11B_Ant1_2437



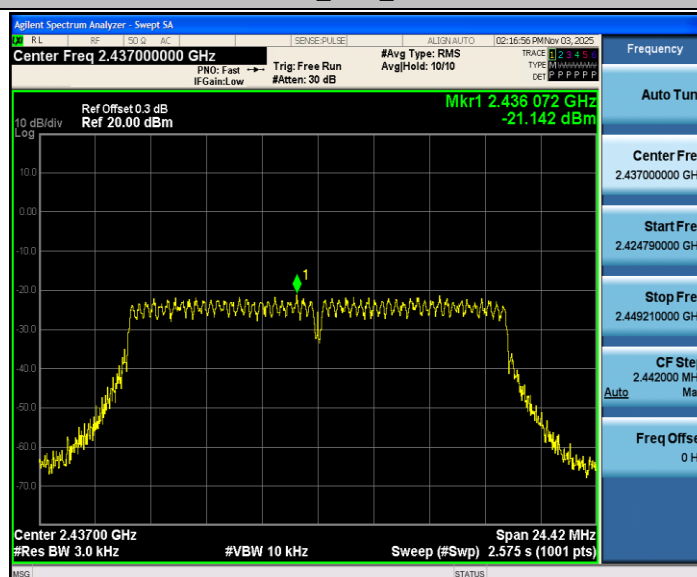
11B_Ant1_2462



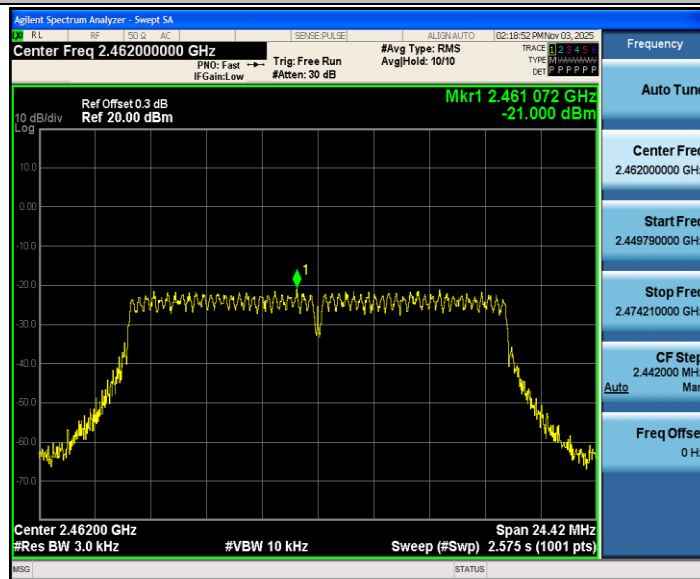
11G_Ant1_2412



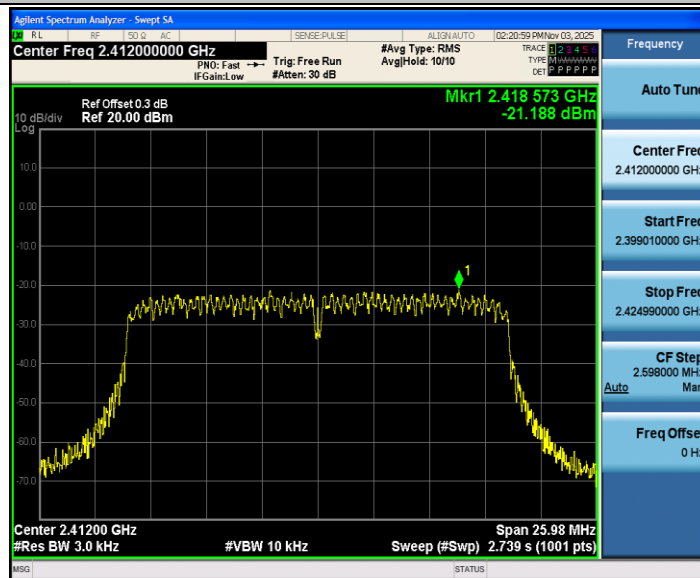
11G_Ant1_2437



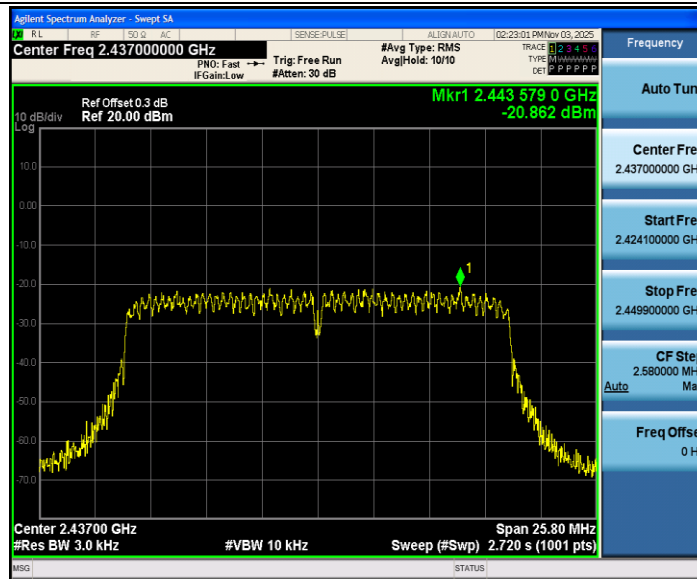
11G_Ant1_2462



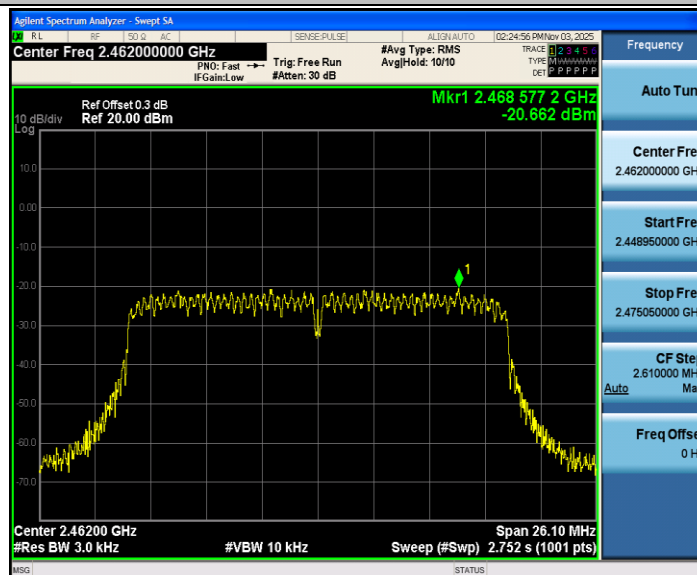
11N20SISO_Ant1_2412



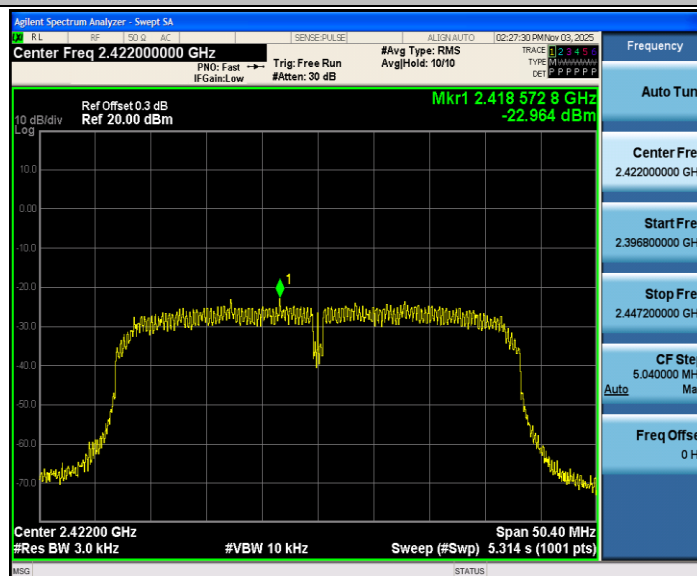
11N20SISO_Ant1_2437



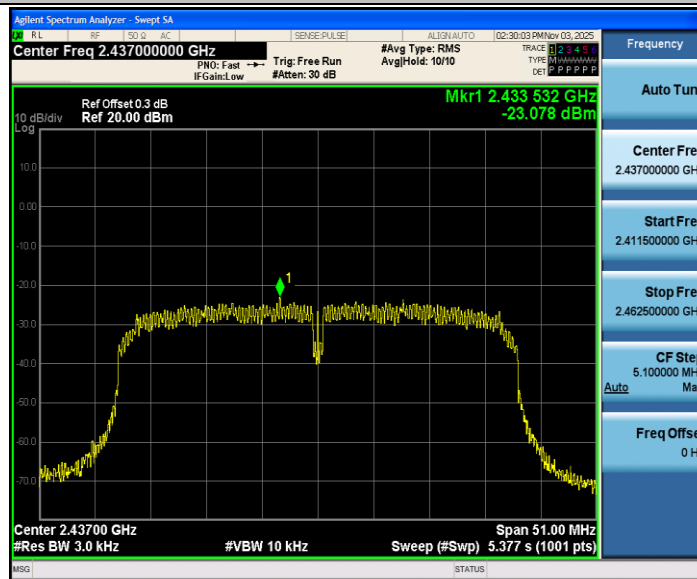
11N20SISO_Ant1_2462



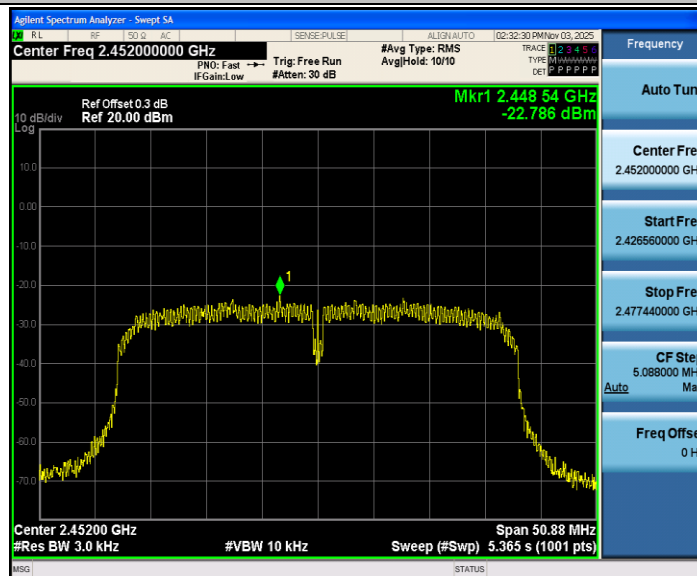
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



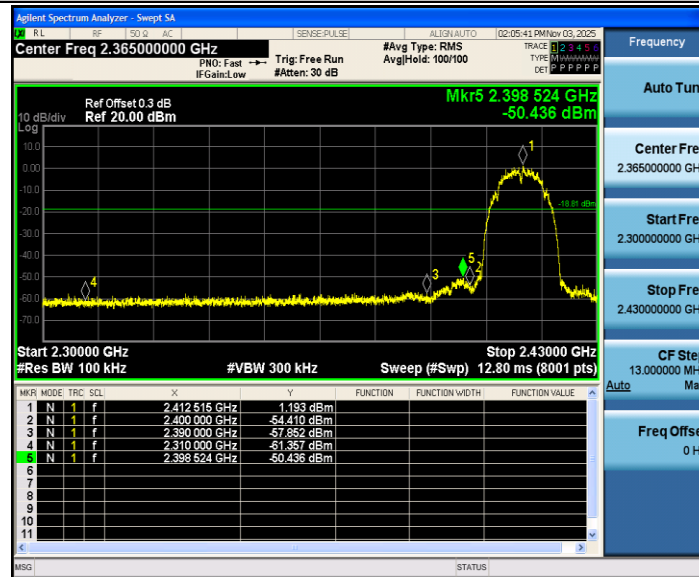
Appendix E: Band edge measurements

Test Result

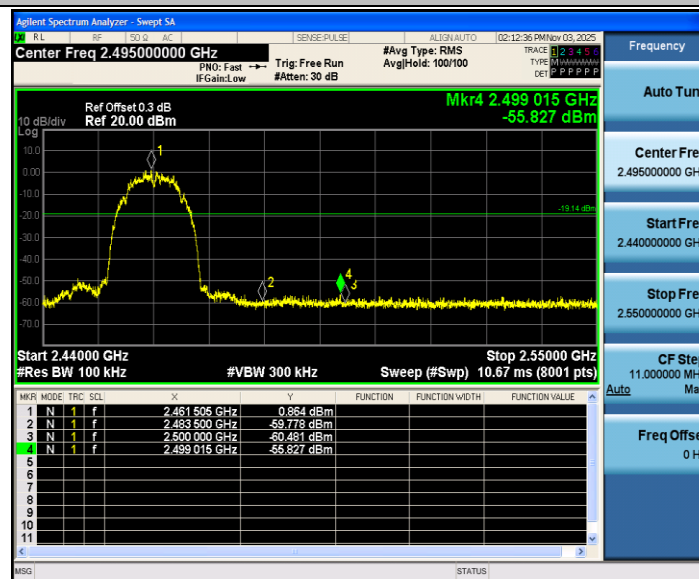
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.19	-50.44	≤-18.81	PASS
		High	2462	0.86	-55.83	≤-19.14	PASS
11G	Ant1	Low	2412	-7.44	-42.68	≤-27.44	PASS
		High	2462	-6.84	-50.95	≤-26.84	PASS
11N20SISO	Ant1	Low	2412	-7.43	-45.77	≤-27.43	PASS
		High	2462	-6.90	-51.52	≤-26.9	PASS
11N40SISO	Ant1	Low	2422	-10.99	-48.34	≤-30.99	PASS
		High	2452	-10.38	-53.66	≤-30.38	PASS

Test Graphs

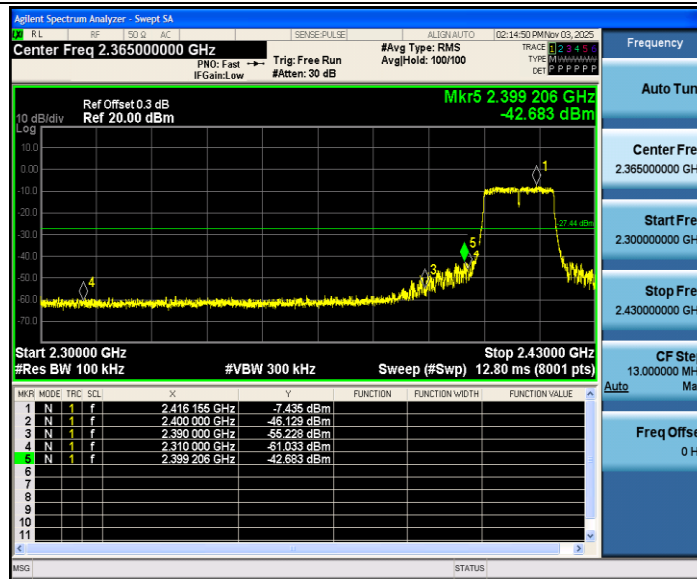
11B_Ant1_Low_2412



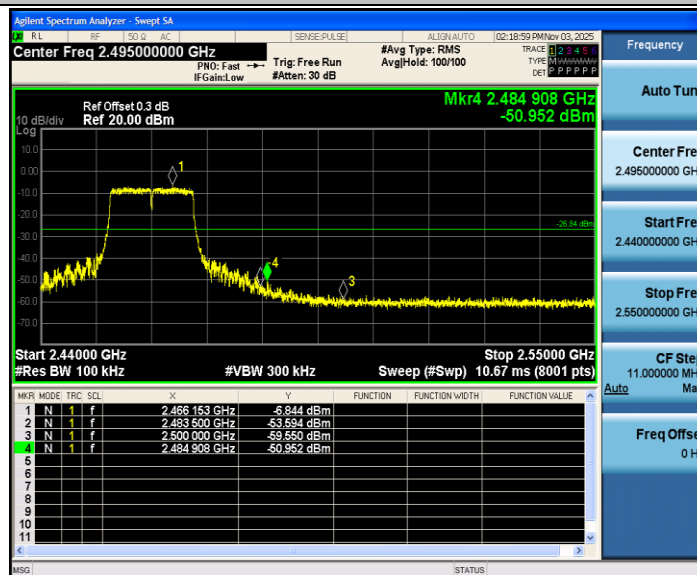
11B_Ant1_High_2462



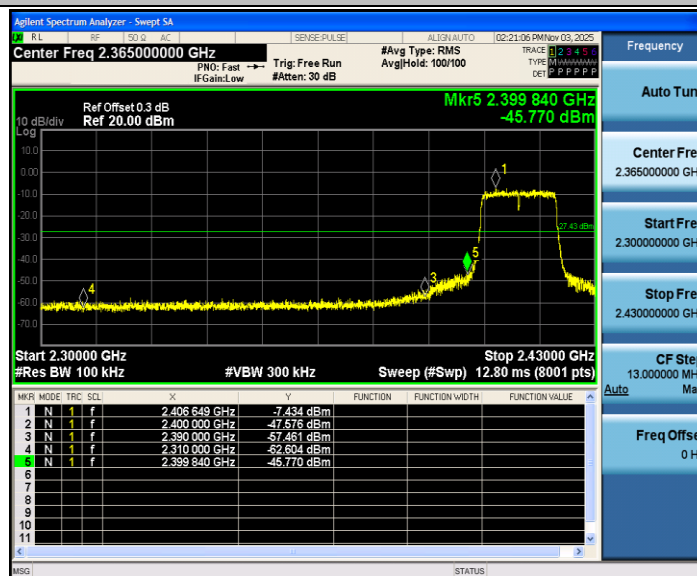
11G_Ant1_Low_2412



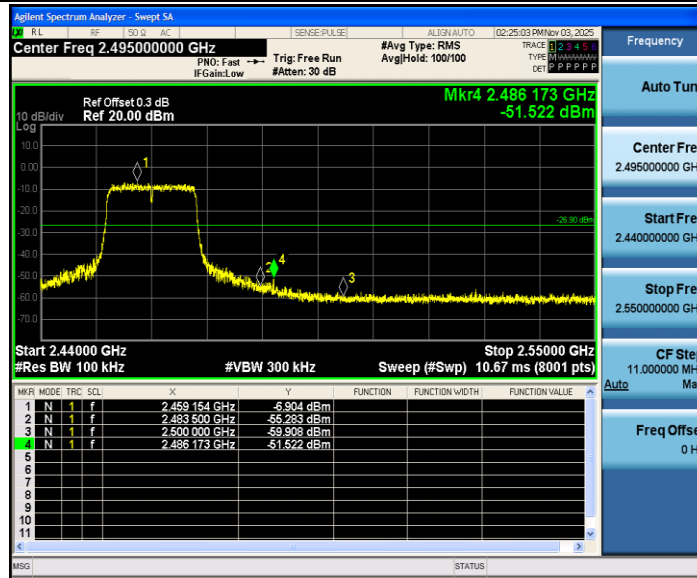
11G_Ant1_High_2462



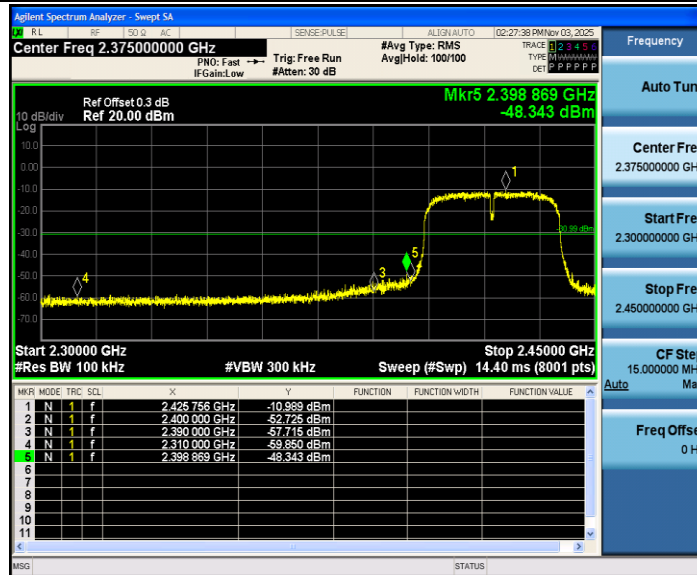
11N20SISO_Ant1_Low_2412



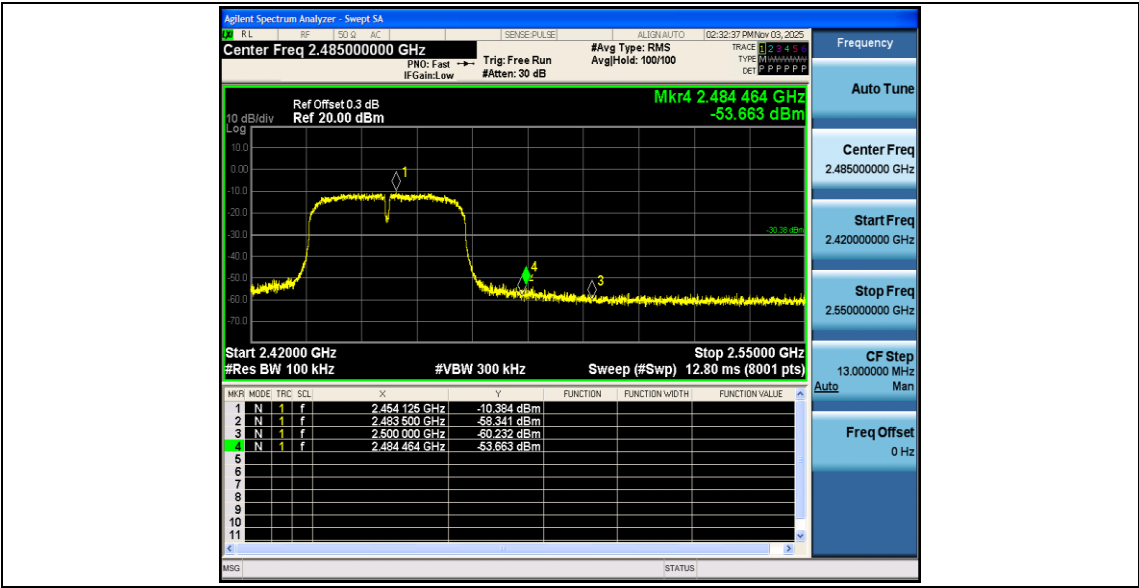
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

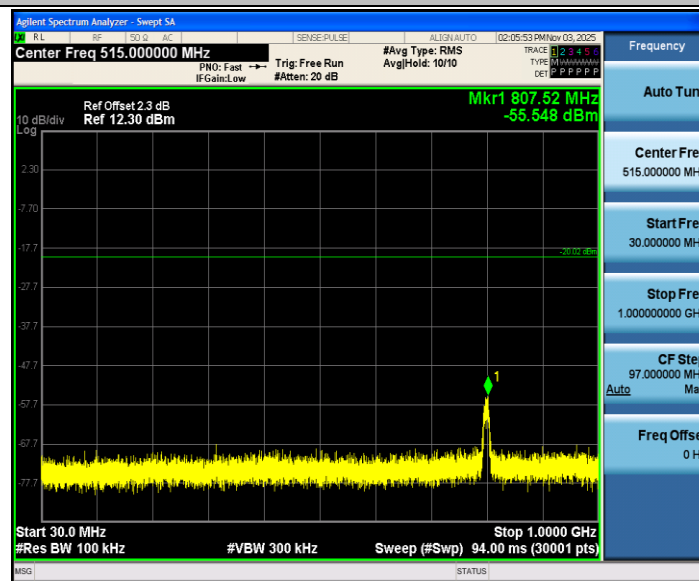
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.02	-0.02	---	PASS
			30~1000	-0.02	-55.55	≤-20.02	PASS
			1000~26500	-0.02	-44.99	≤-20.02	PASS
		2437	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-56.41	≤-20.17	PASS
			1000~26500	-0.17	-45.76	≤-20.17	PASS
		2462	Reference	-0.77	-0.77	---	PASS
			30~1000	-0.77	-55.95	≤-20.77	PASS
			1000~26500	-0.77	-46.03	≤-20.77	PASS
11G	Ant1	2412	Reference	-8.38	-8.38	---	PASS
			30~1000	-8.38	-60.8	≤-28.38	PASS
			1000~26500	-8.38	-44.68	≤-28.38	PASS
		2437	Reference	-7.82	-7.82	---	PASS
			30~1000	-7.82	-59.68	≤-27.82	PASS
			1000~26500	-7.82	-45.24	≤-27.82	PASS
		2462	Reference	-7.25	-7.25	---	PASS
			30~1000	-7.25	-59.6	≤-27.25	PASS
			1000~26500	-7.25	-45.56	≤-27.25	PASS
11N20SISO	Ant1	2412	Reference	-7.99	-7.99	---	PASS
			30~1000	-7.99	-60.37	≤-27.99	PASS
			1000~26500	-7.99	-44.62	≤-27.99	PASS
		2437	Reference	-7.59	-7.59	---	PASS
			30~1000	-7.59	-60.53	≤-27.59	PASS
			1000~26500	-7.59	-45.23	≤-27.59	PASS
		2462	Reference	-7.89	-7.89	---	PASS
			30~1000	-7.89	-59.49	≤-27.89	PASS
			1000~26500	-7.89	-45.55	≤-27.89	PASS
11N40SISO	Ant1	2422	Reference	-11.41	-11.41	---	PASS
			30~1000	-11.41	-61.83	≤-31.41	PASS
			1000~26500	-11.41	-45	≤-31.41	PASS
		2437	Reference	-11.56	-11.56	---	PASS
			30~1000	-11.56	-60.74	≤-31.56	PASS
			1000~26500	-11.56	-45.18	≤-31.56	PASS
		2452	Reference	-11.02	-11.02	---	PASS
			30~1000	-11.02	-62.85	≤-31.02	PASS
			1000~26500	-11.02	-45.36	≤-31.02	PASS

Test Graphs

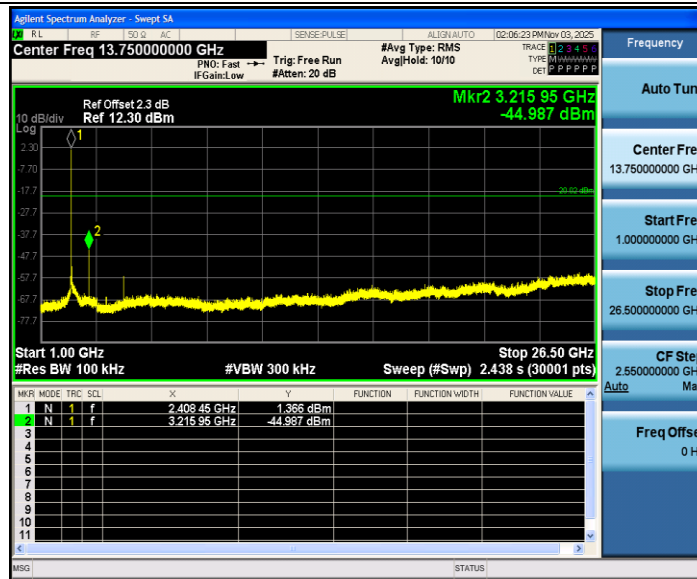
11B_Ant1_2412_0~Reference



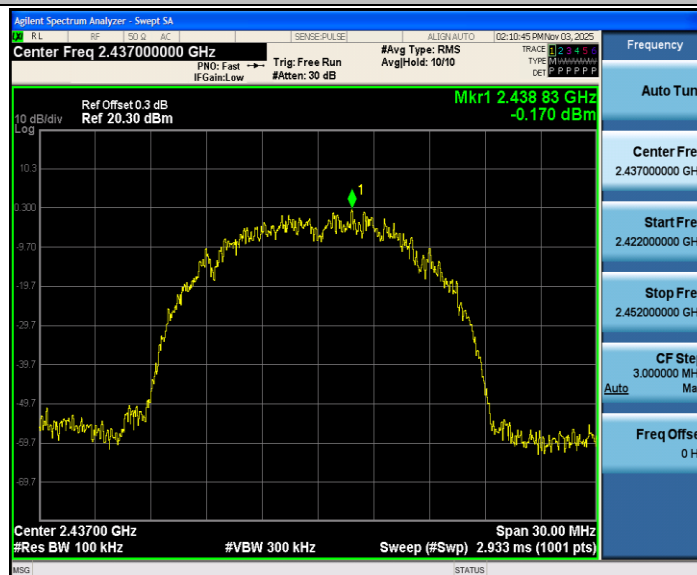
11B_Ant1_2412_30~1000



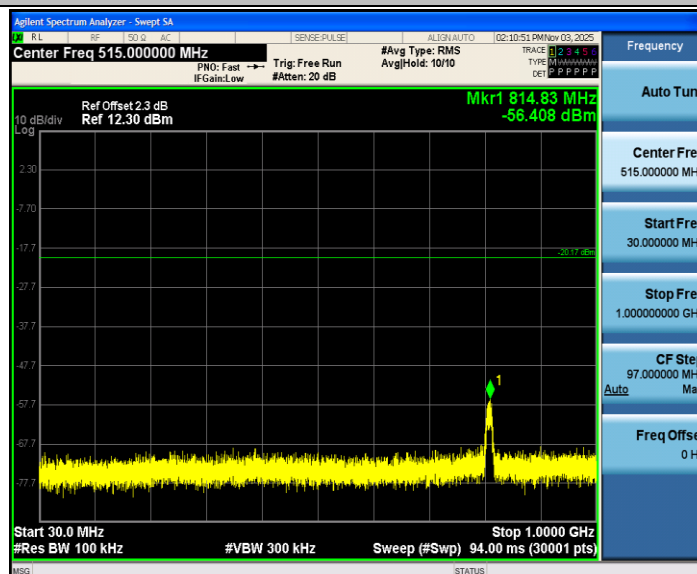
11B_Ant1_2412_1000~26500



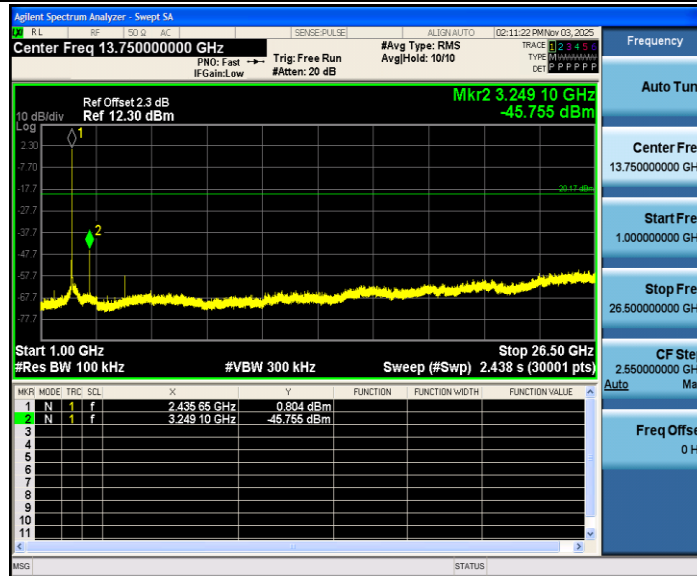
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



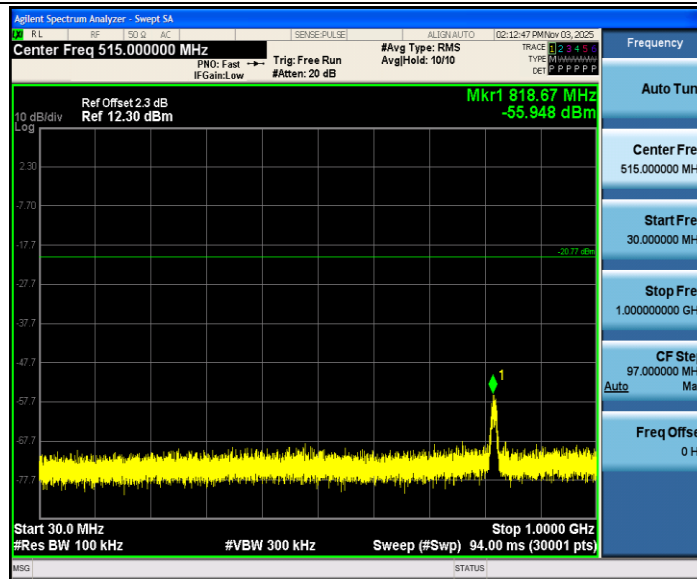
11B_Ant1_2437_1000~26500



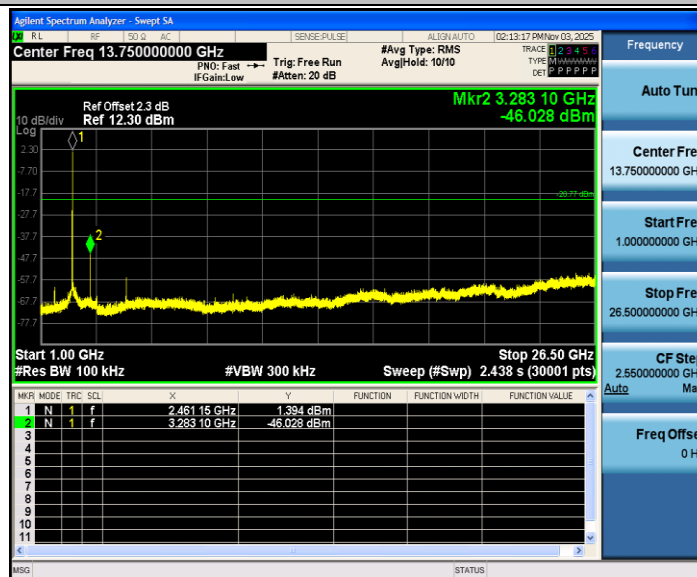
11B_Ant1_2462_0~Reference



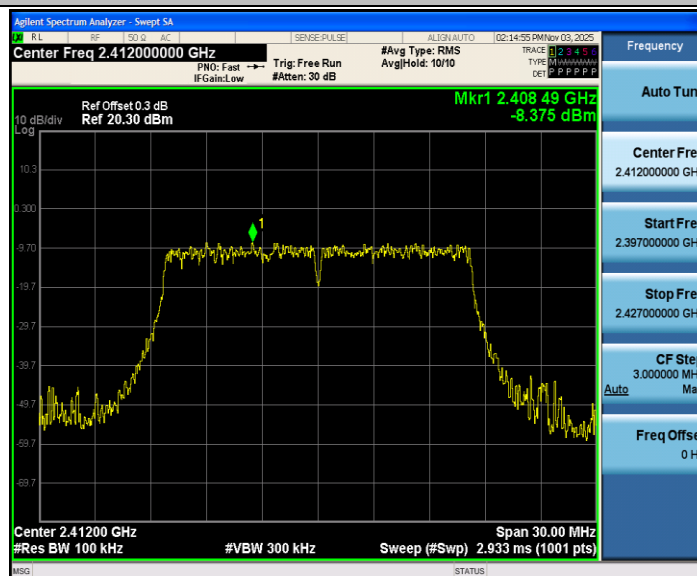
11B_Ant1_2462_30~1000



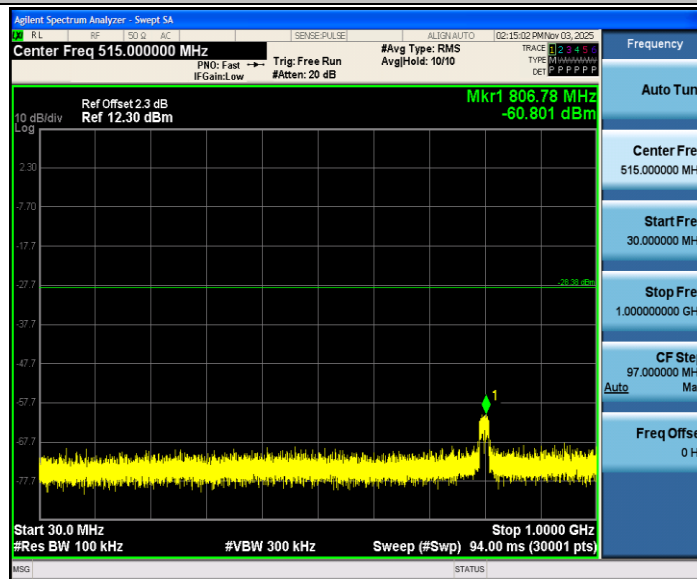
11B_Ant1_2462_1000~26500



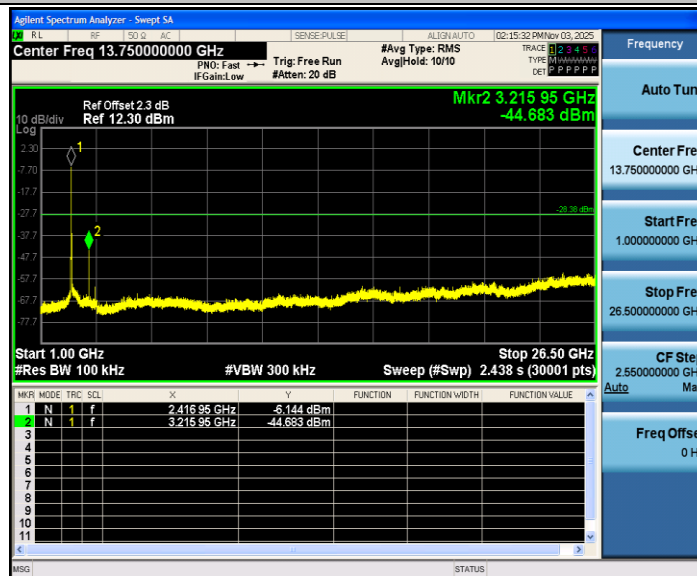
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



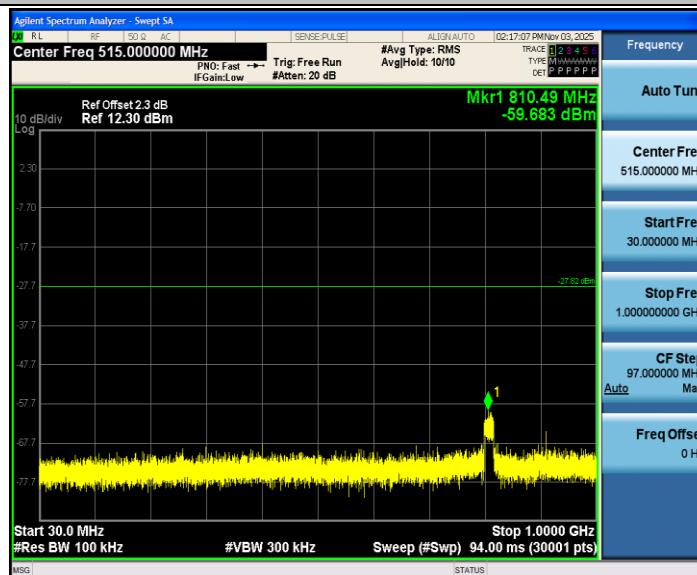
11G_Ant1_2412_1000~26500



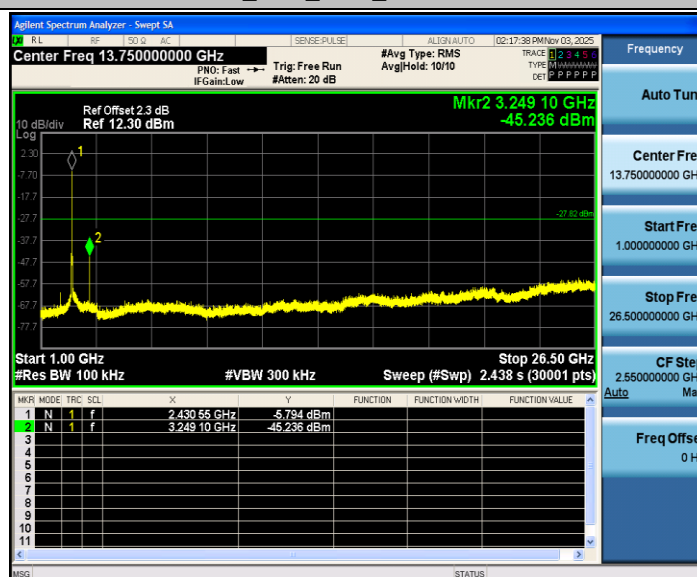
11G_Ant1_2437_0~Reference



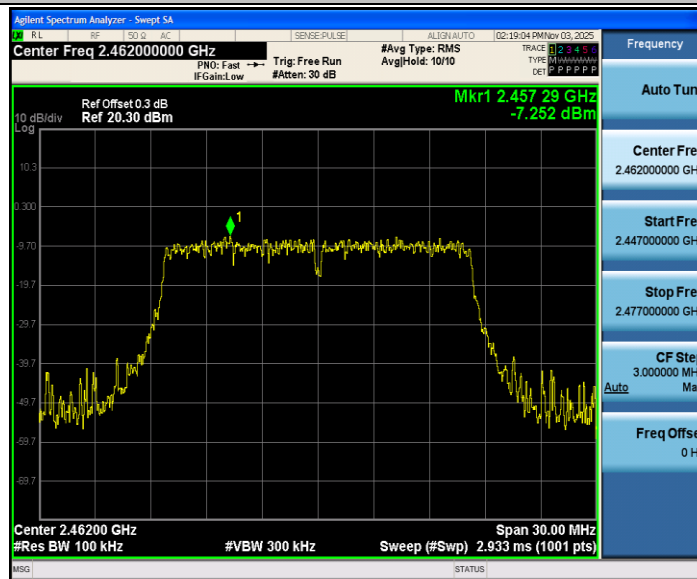
11G_Ant1_2437_30~1000



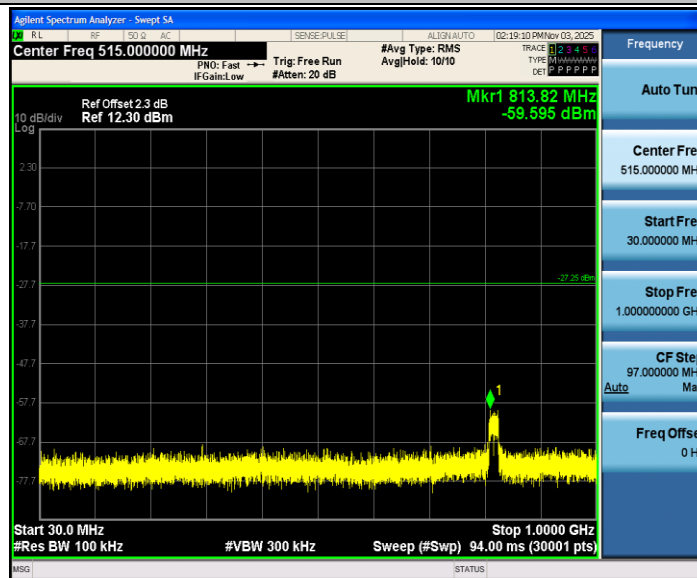
11G_Ant1_2437_1000~26500



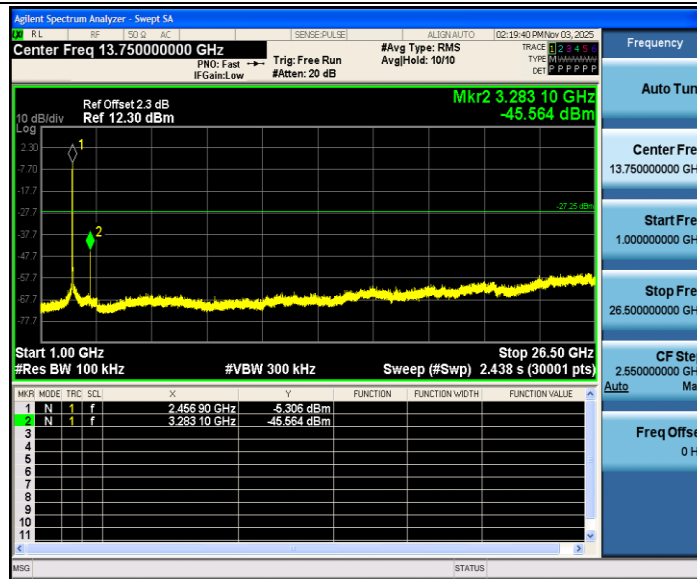
11G_Ant1_2462_0~Reference



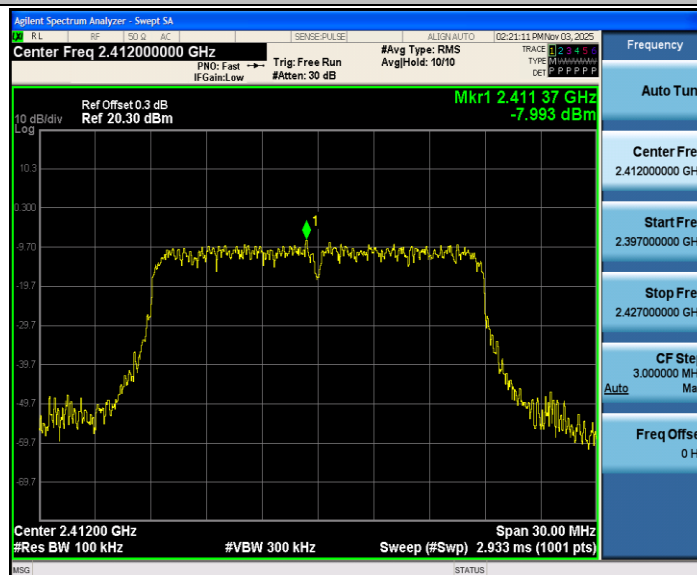
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

