

Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AVRVDRPTV750SM
Company : DP AUDIO VIDEO LLC
EUT : Smart TV
Model Number : DRPTV750SM
Report No. : CTA25081402403
Reviewed By : Eric Wang

Test Data for 2.4GWIFI ANT1

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.360	2408.200	2416.560	0.5	PASS
		2437	8.560	2432.960	2441.520	0.5	PASS
		2462	8.560	2457.480	2466.040	0.5	PASS
11G	Ant1	2412	15.720	2404.440	2420.160	0.5	PASS
		2437	15.920	2428.840	2444.760	0.5	PASS
		2462	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.040	2404.480	2420.520	0.5	PASS
		2437	15.960	2428.680	2444.640	0.5	PASS
		2462	16.840	2453.680	2470.520	0.5	PASS

Test Graphs

11B_Ant1_2412



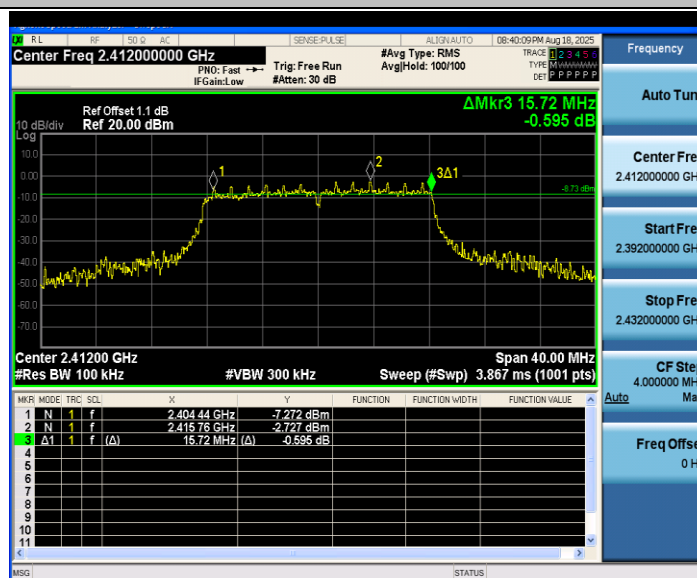
11B_Ant1_2437



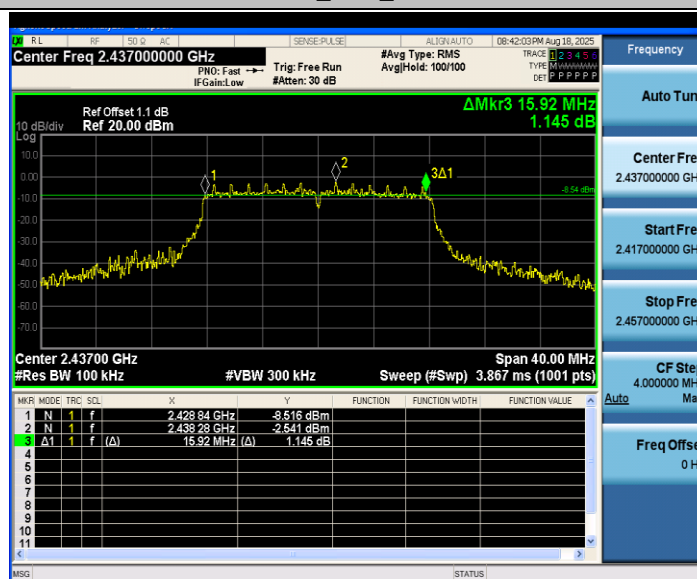
11B_Ant1_2462



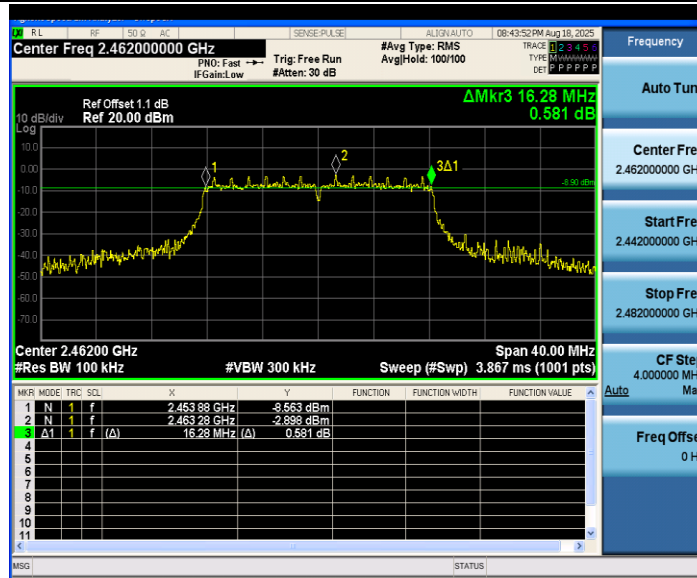
11G_Ant1_2412



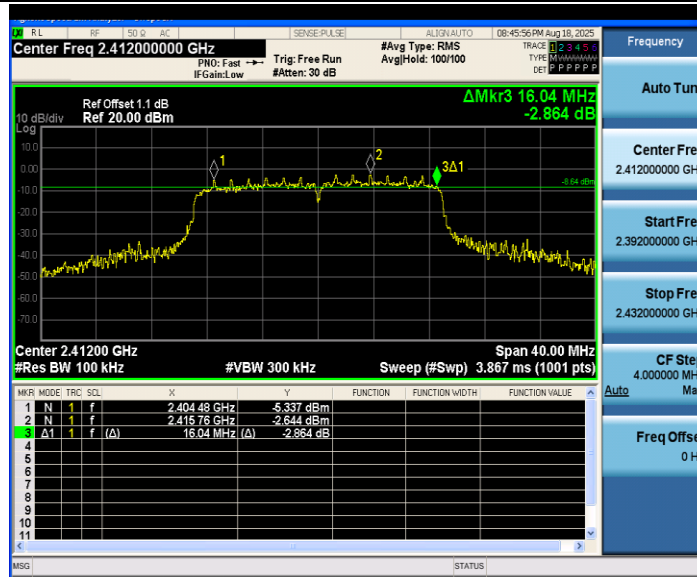
11G_Ant1_2437



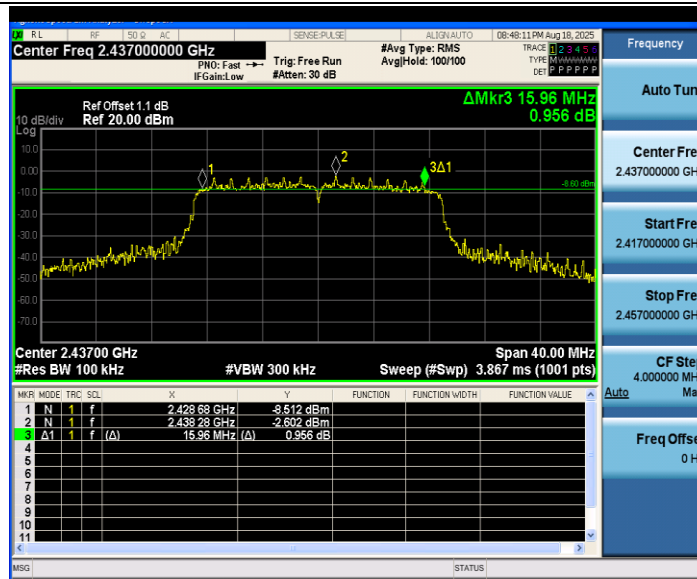
11G_Ant1_2462



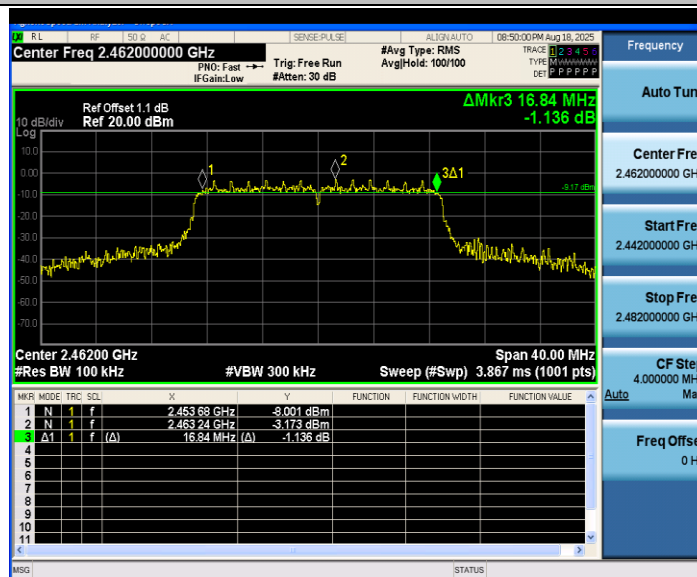
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



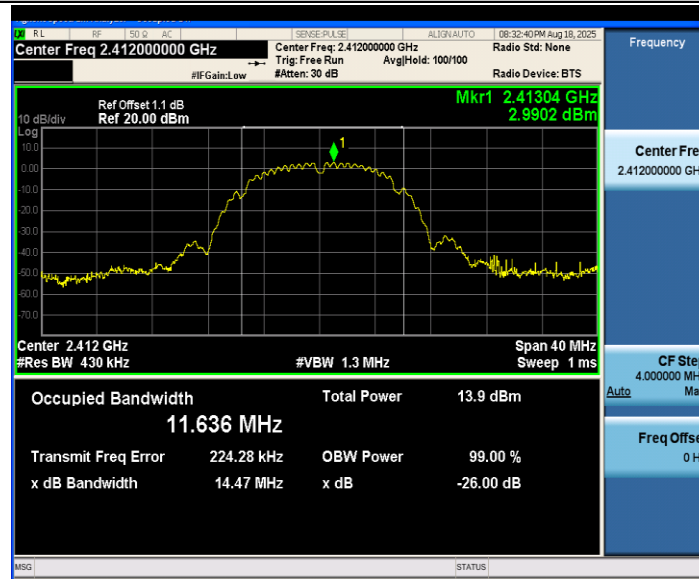
Appendix B: Occupied Channel Bandwidth

Test Result

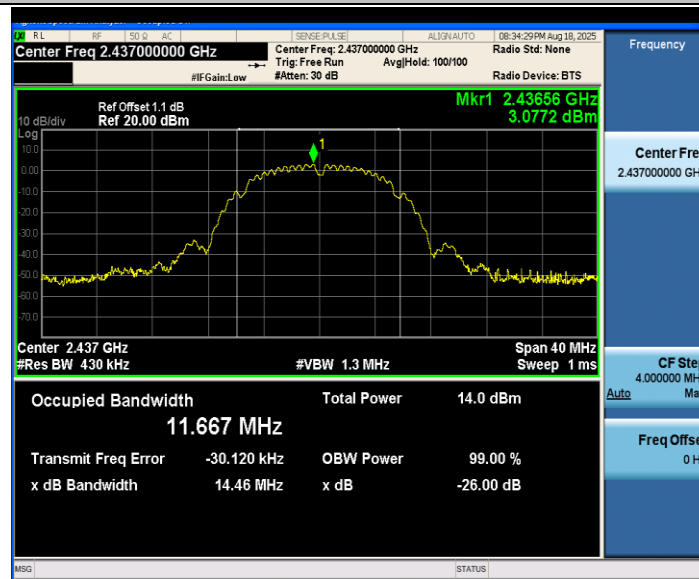
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.636	2406.4063	2418.0423	---	---
		2437	11.667	2431.1364	2442.8034	---	---
		2462	11.846	2456.1318	2467.9778	---	---
11G	Ant1	2412	16.716	2403.8095	2420.5255	---	---
		2437	16.615	2428.7027	2445.3177	---	---
		2462	16.792	2453.6626	2470.4546	---	---
11N20SISO	Ant1	2412	17.660	2403.2841	2420.9441	---	---
		2437	17.570	2428.2104	2445.7804	---	---
		2462	17.719	2453.1685	2470.8875	---	---

Test Graphs

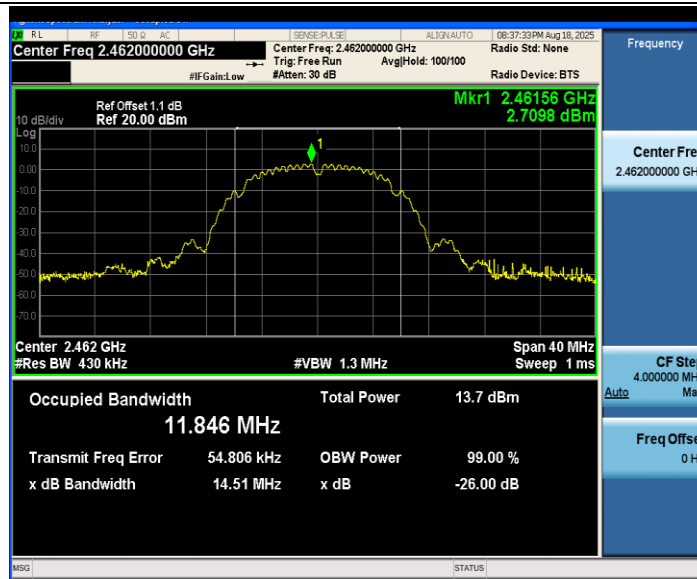
11B_Ant1_2412



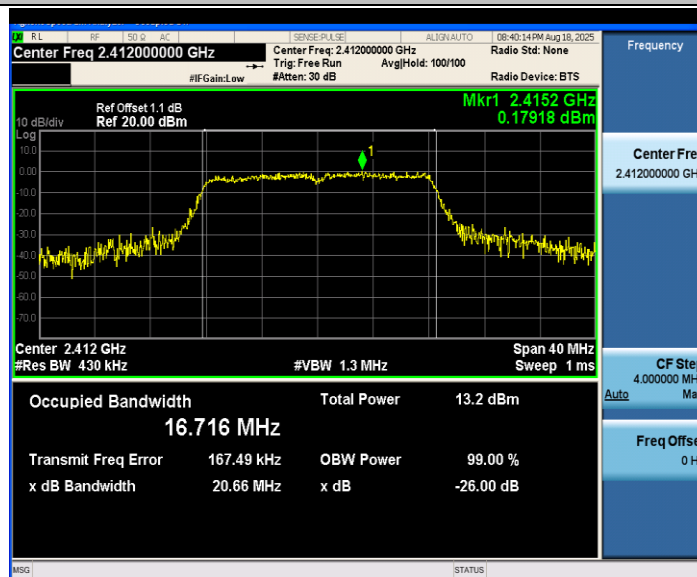
11B_Ant1_2437



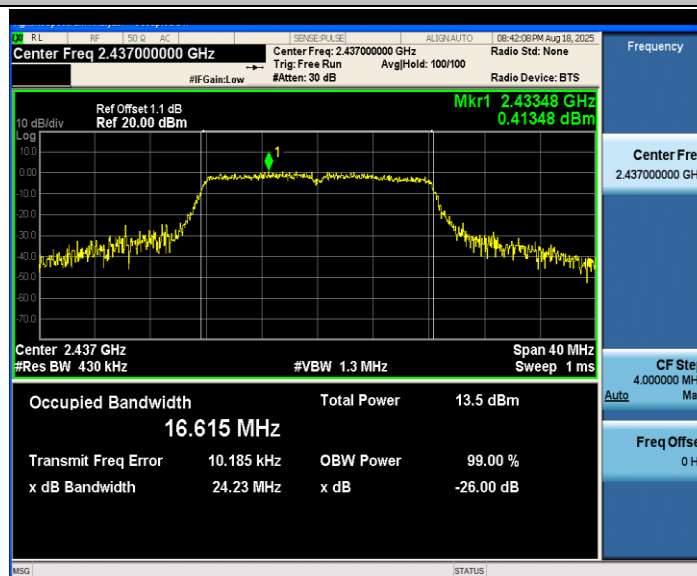
11B_Ant1_2462



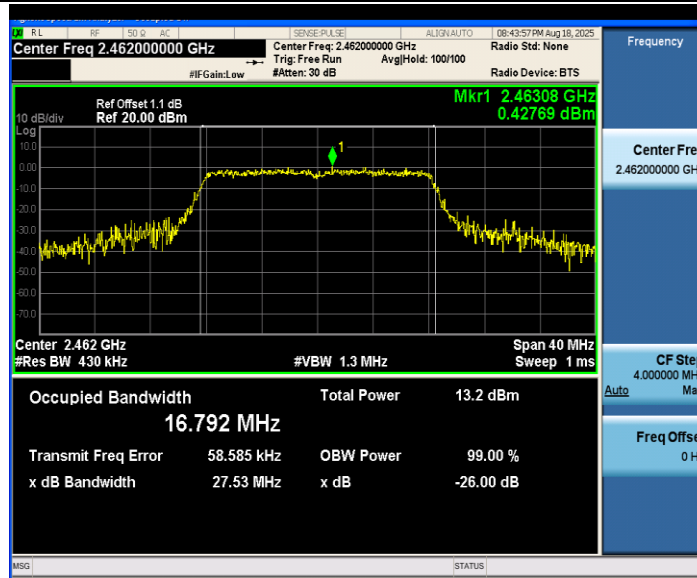
11G_Ant1_2412



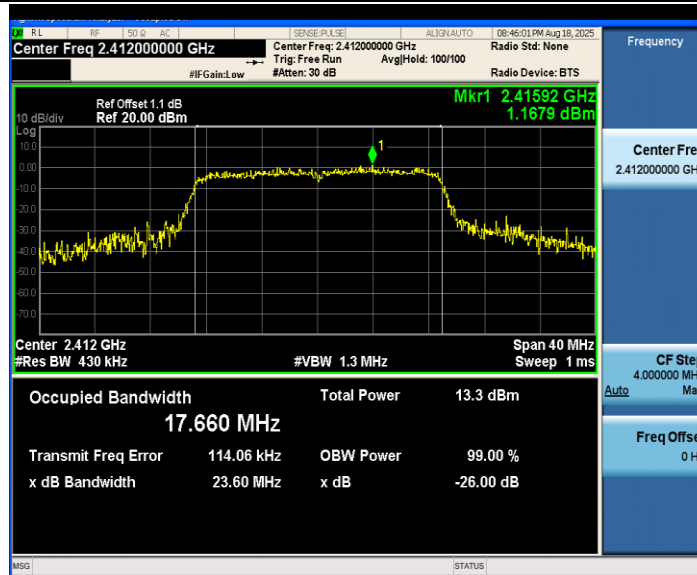
11G_Ant1_2437



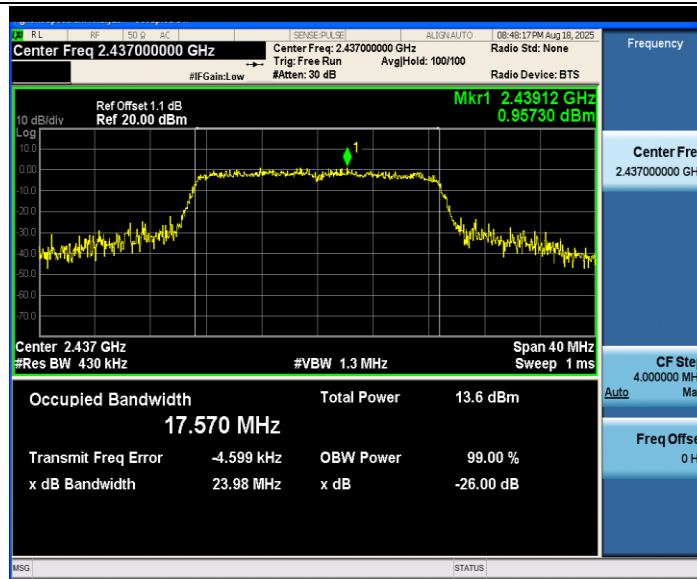
11G_Ant1_2462



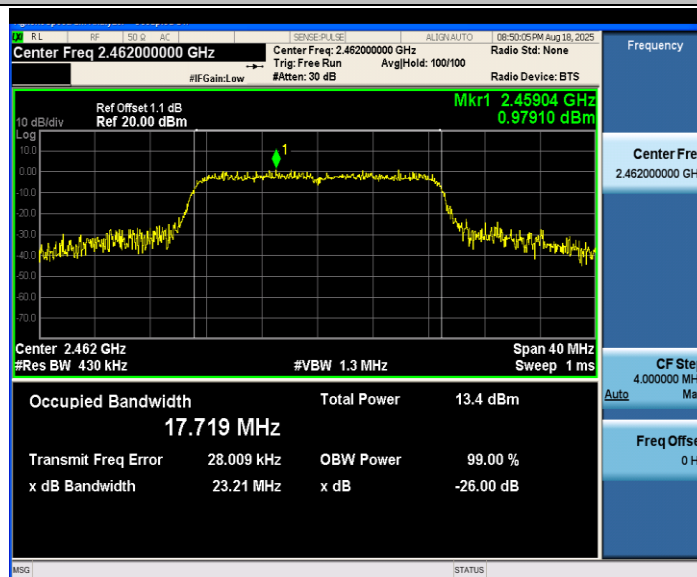
11N20SISO_Ant1_2412



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	13.67	≤30.00	PASS
		2437	13.75	≤30.00	PASS
		2462	13.51	≤30.00	PASS
11G	Ant1	2412	13.84	≤30.00	PASS
		2437	14.05	≤30.00	PASS
		2462	13.93	≤30.00	PASS
11N20SISO	Ant1	2412	13.95	≤30.00	PASS
		2437	14.19	≤30.00	PASS
		2462	14.21	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

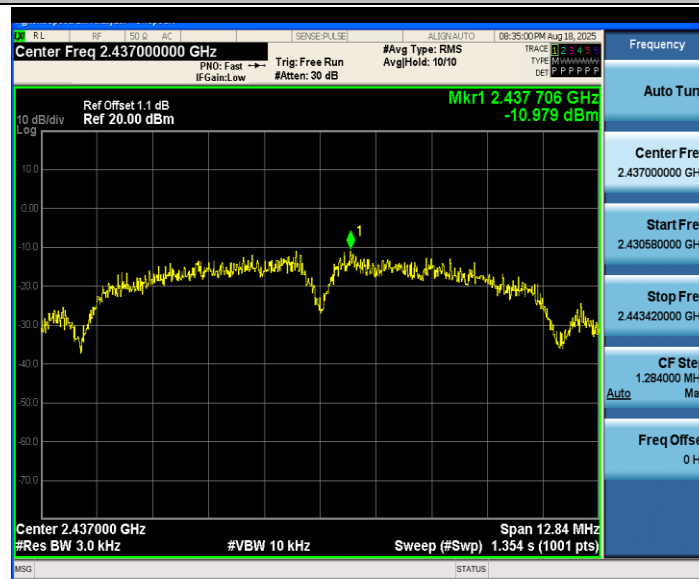
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.73	≤8.00	PASS
		2437	-10.98	≤8.00	PASS
		2462	-10.90	≤8.00	PASS
11G	Ant1	2412	-17.79	≤8.00	PASS
		2437	-17.43	≤8.00	PASS
		2462	-17.70	≤8.00	PASS
11N20SISO	Ant1	2412	-17.30	≤8.00	PASS
		2437	-16.20	≤8.00	PASS
		2462	-18.26	≤8.00	PASS

Test Graphs

11B_Ant1_2412



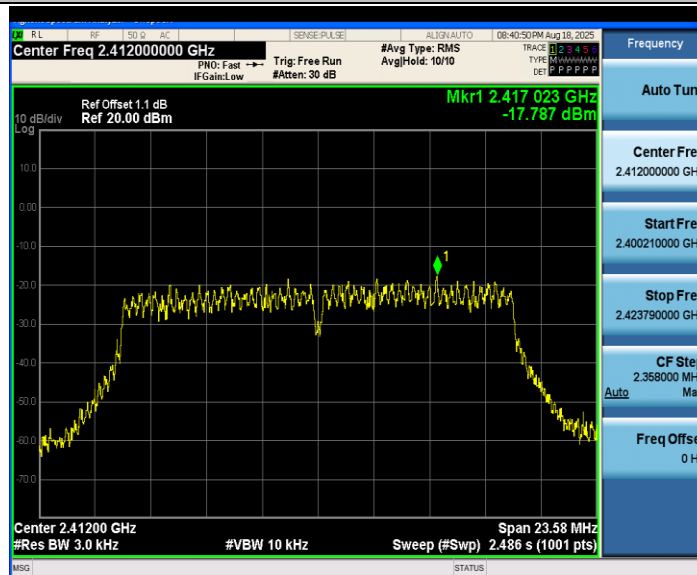
11B_Ant1_2437



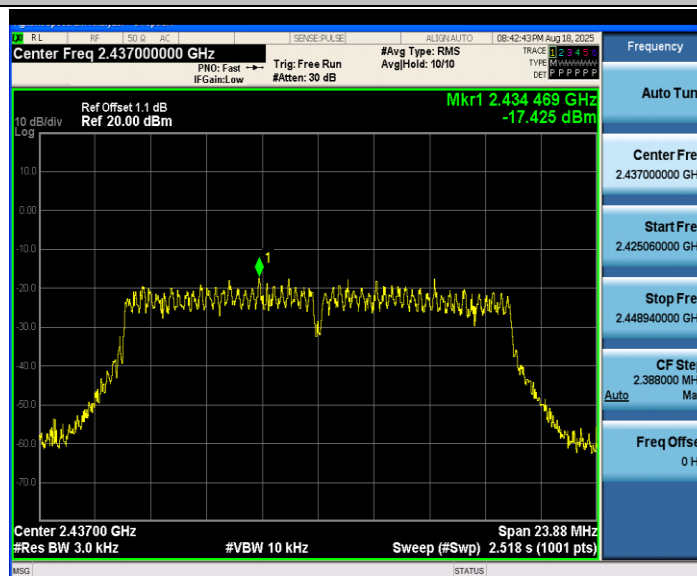
11B_Ant1_2462



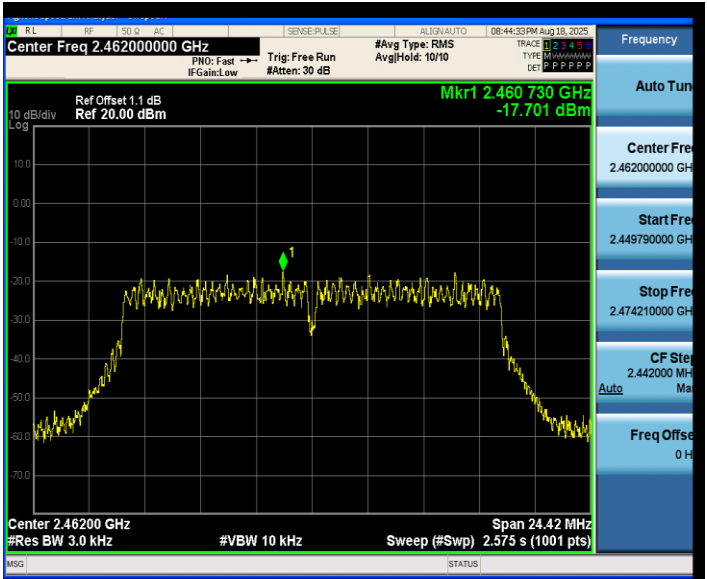
11G_Ant1_2412



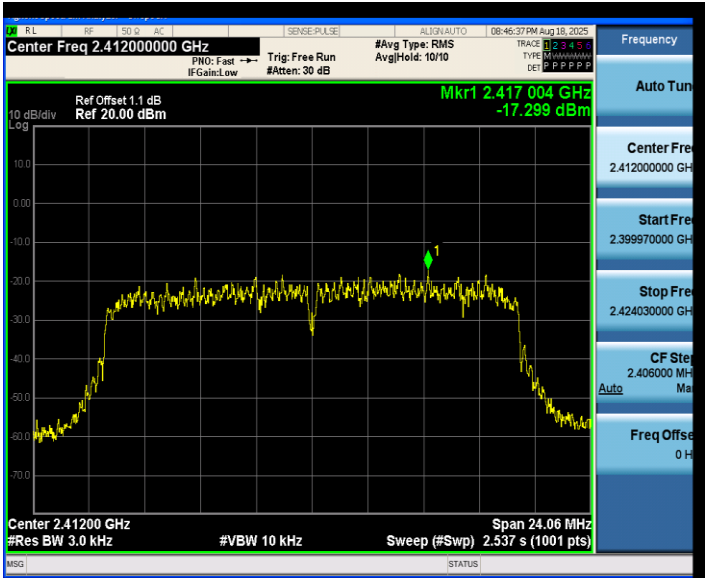
11G_Ant1_2437



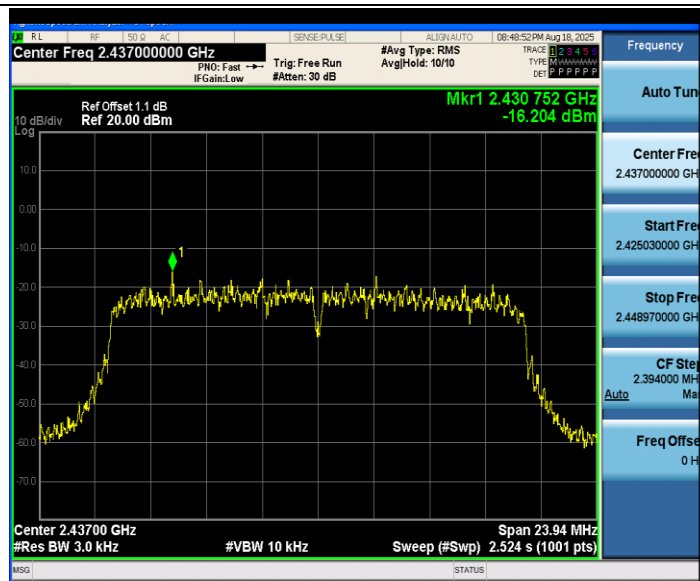
11G_Ant1_2462



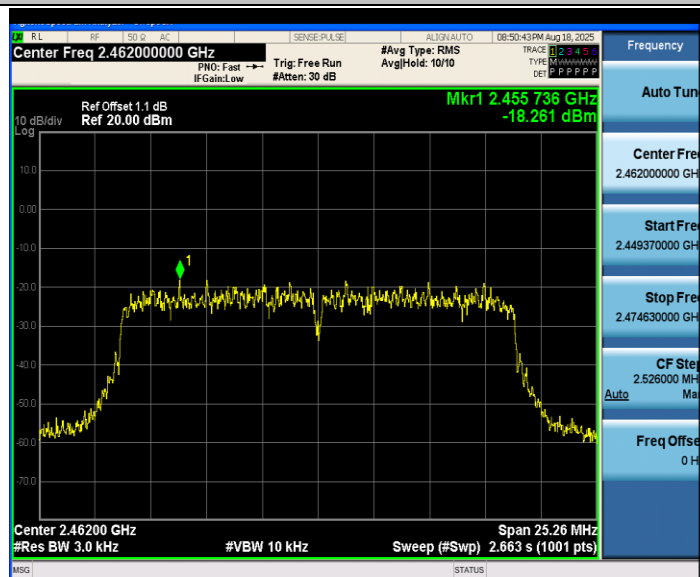
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



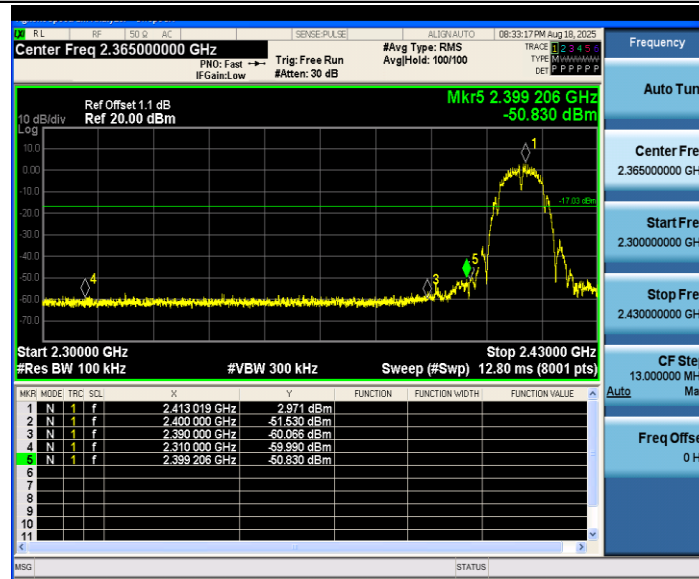
Appendix E: Band edge measurements

Test Result

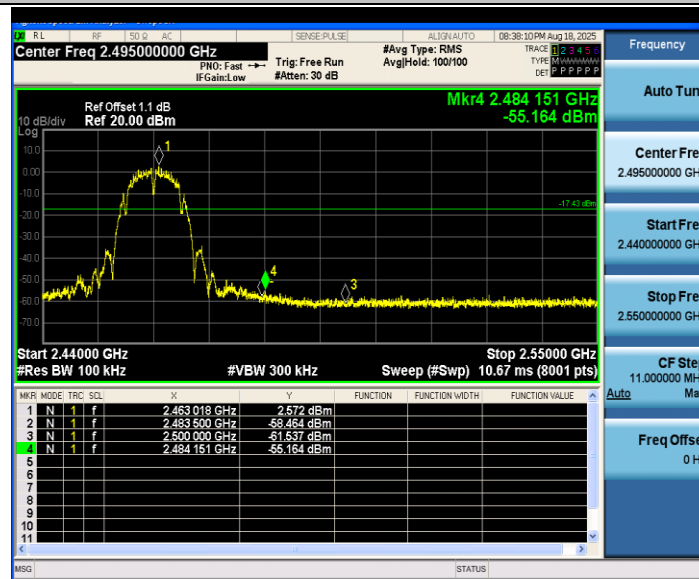
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.97	-50.83	≤ -17.03	PASS
		High	2462	2.57	-55.16	≤ -17.43	PASS
11G	Ant1	Low	2412	-2.75	-37.08	≤ -22.75	PASS
		High	2462	-2.90	-48.54	≤ -22.9	PASS
11N20SISO	Ant1	Low	2412	-2.65	-36.7	≤ -22.65	PASS
		High	2462	-3.20	-45.68	≤ -23.2	PASS

Test Graphs

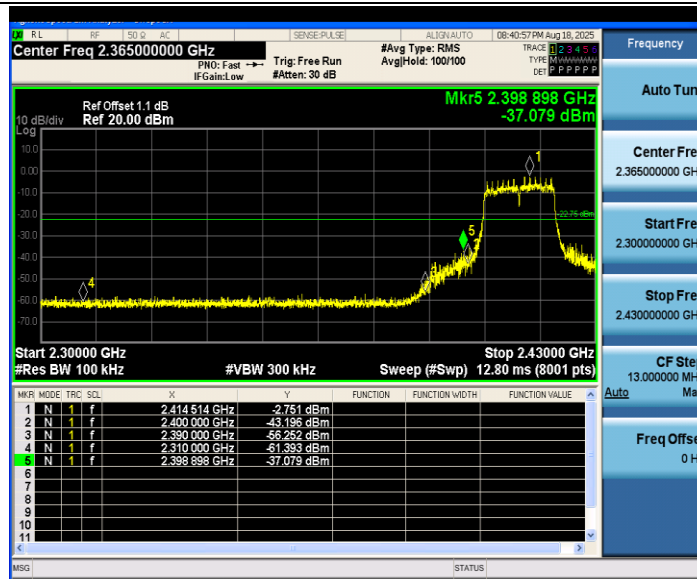
11B_Ant1_Low_2412



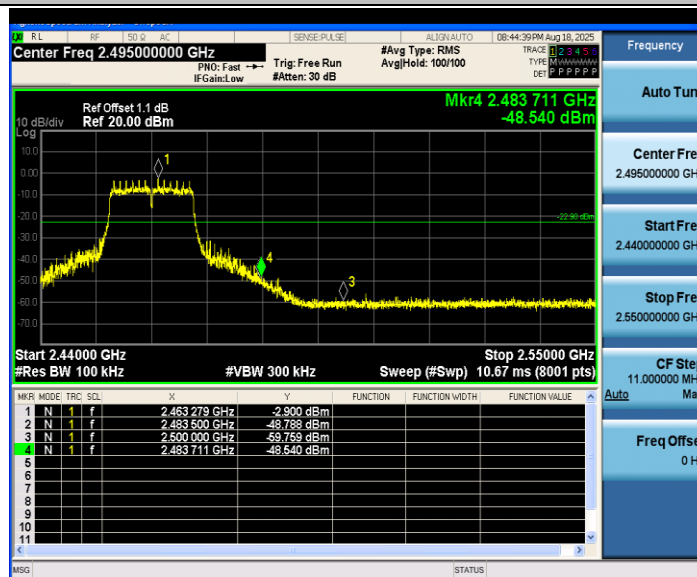
11B_Ant1_High_2462



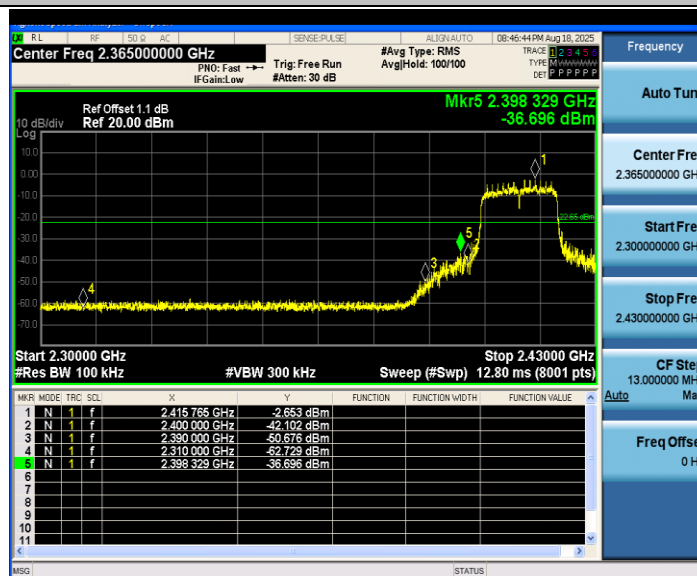
11G_Ant1_Low_2412



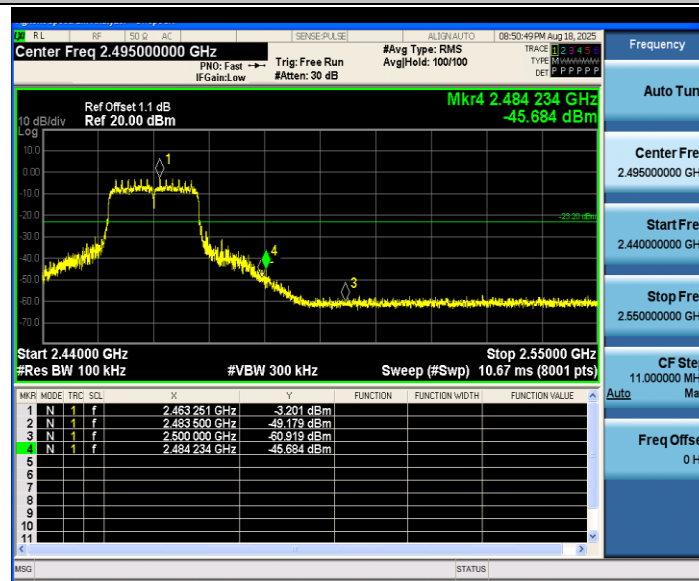
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

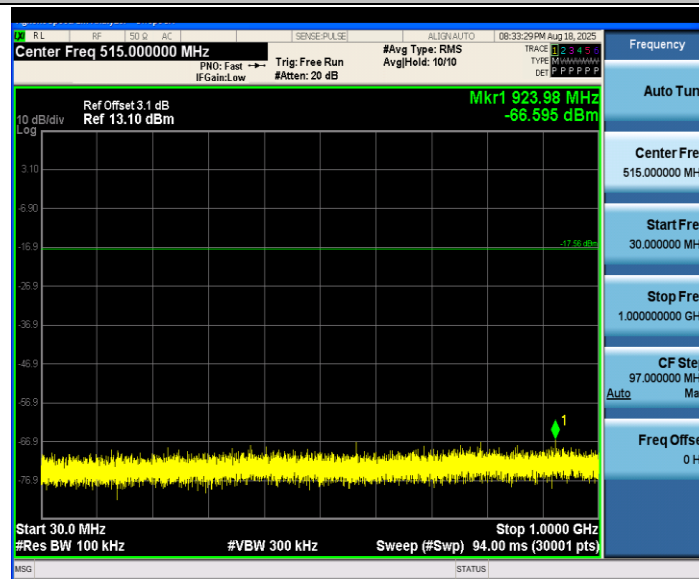
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.44	2.44	---	PASS
			30~1000	2.44	-66.6	≤-17.56	PASS
			1000~26500	2.44	-54.94	≤-17.56	PASS
		2437	Reference	2.21	2.21	---	PASS
			30~1000	2.21	-66.9	≤-17.79	PASS
			1000~26500	2.21	-54.06	≤-17.79	PASS
		2462	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-67.29	≤-18.76	PASS
			1000~26500	1.24	-53.81	≤-18.76	PASS
11G	Ant1	2412	Reference	-2.91	-2.91	---	PASS
			30~1000	-2.91	-67.05	≤-22.91	PASS
			1000~26500	-2.91	-54.23	≤-22.91	PASS
		2437	Reference	-2.80	-2.80	---	PASS
			30~1000	-2.80	-67.03	≤-22.8	PASS
			1000~26500	-2.80	-54.52	≤-22.8	PASS
		2462	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-66.96	≤-23.56	PASS
			1000~26500	-3.56	-54.39	≤-23.56	PASS
11N20SISO	Ant1	2412	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-65.82	≤-22.77	PASS
			1000~26500	-2.77	-54.26	≤-22.77	PASS
		2437	Reference	-3.03	-3.03	---	PASS
			30~1000	-3.03	-59.34	≤-23.03	PASS
			1000~26500	-3.03	-54.55	≤-23.03	PASS
		2462	Reference	-3.62	-3.62	---	PASS
			30~1000	-3.62	-67.24	≤-23.62	PASS
			1000~26500	-3.62	-54.07	≤-23.62	PASS

Test Graphs

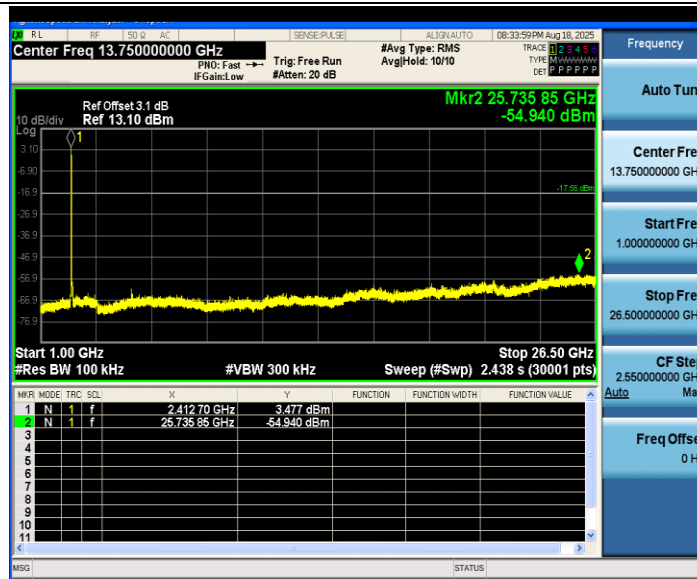
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



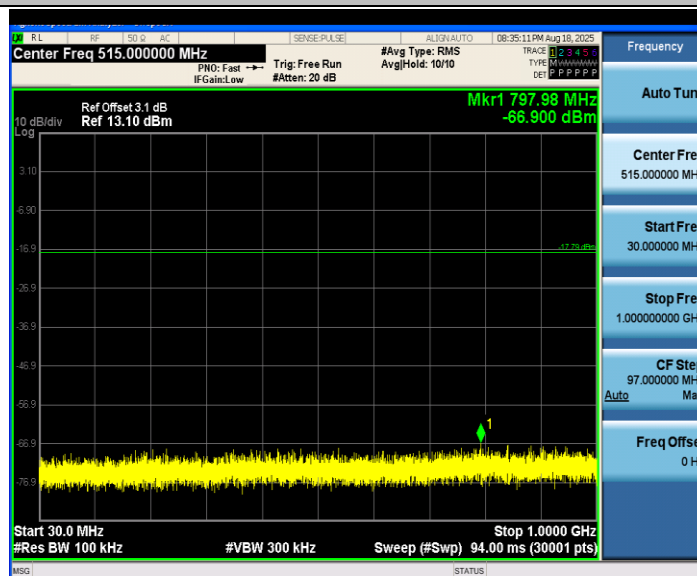
11B_Ant1_2412_1000~26500



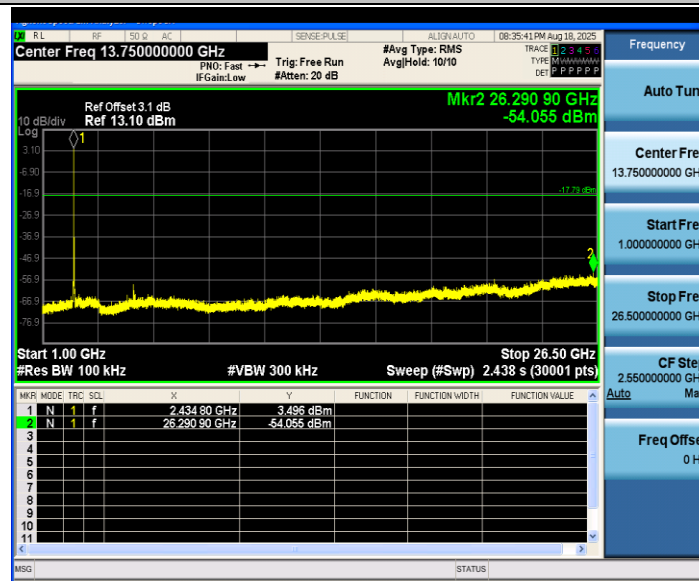
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



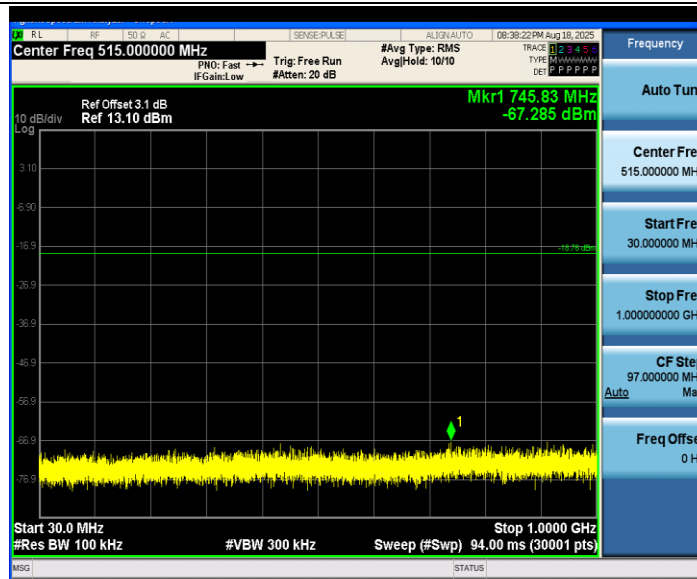
11B_Ant1_2437_1000~26500



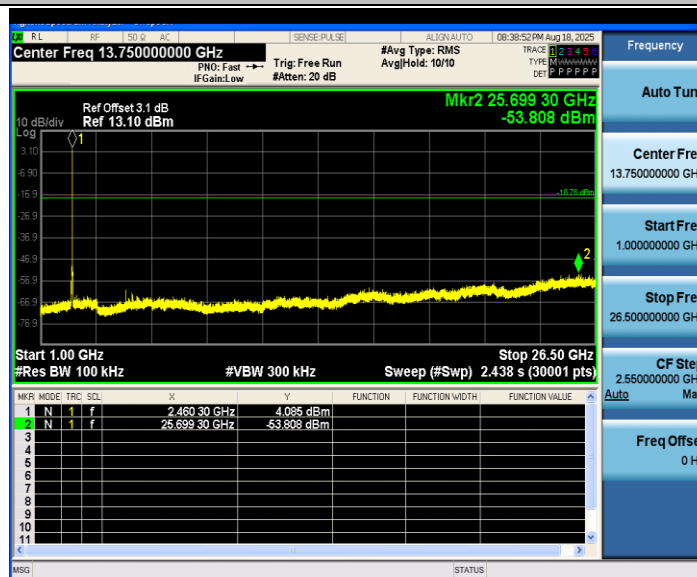
11B_Ant1_2462_0~Reference



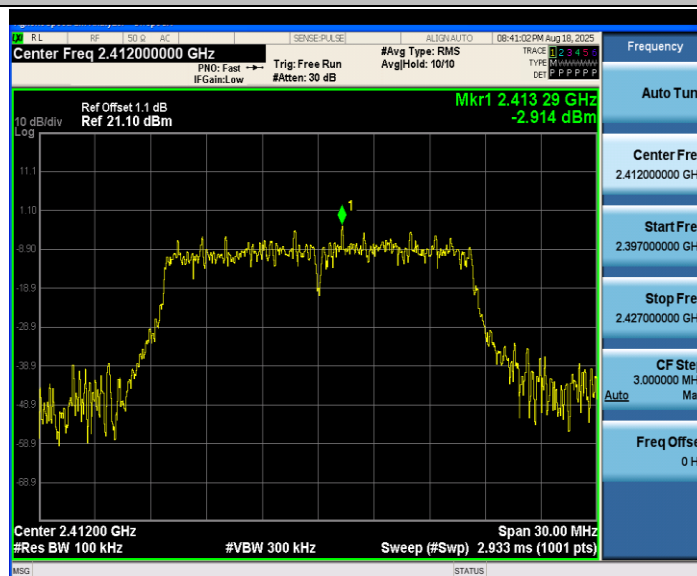
11B_Ant1_2462_30~1000



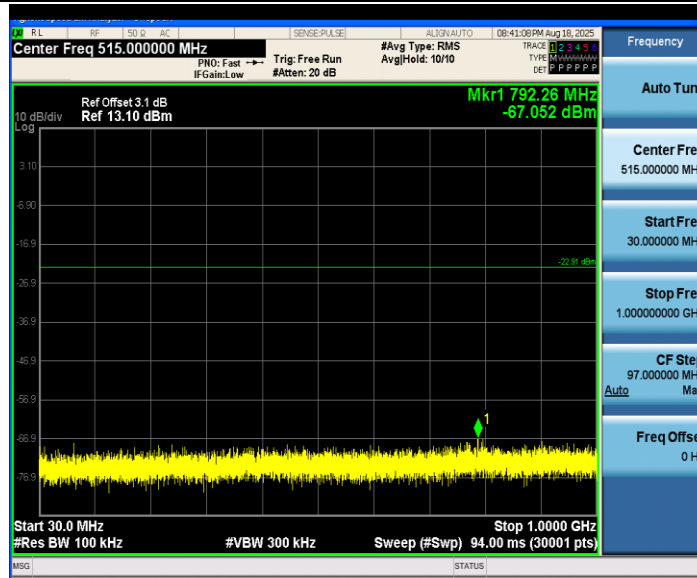
11B_Ant1_2462_1000~26500



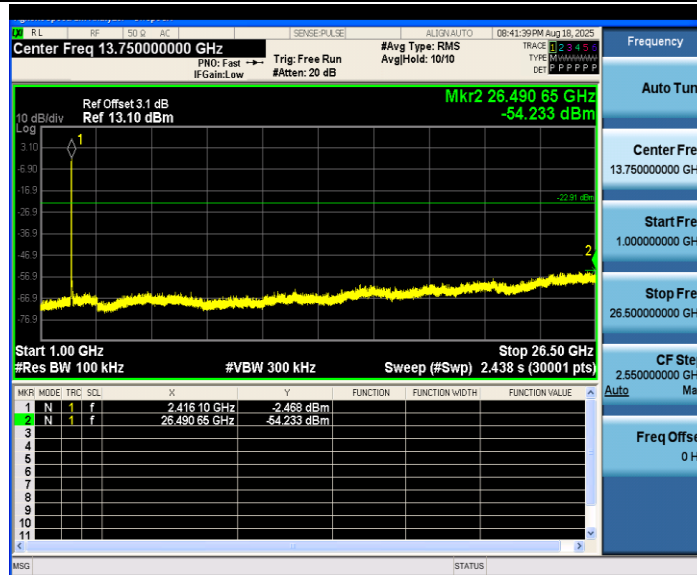
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



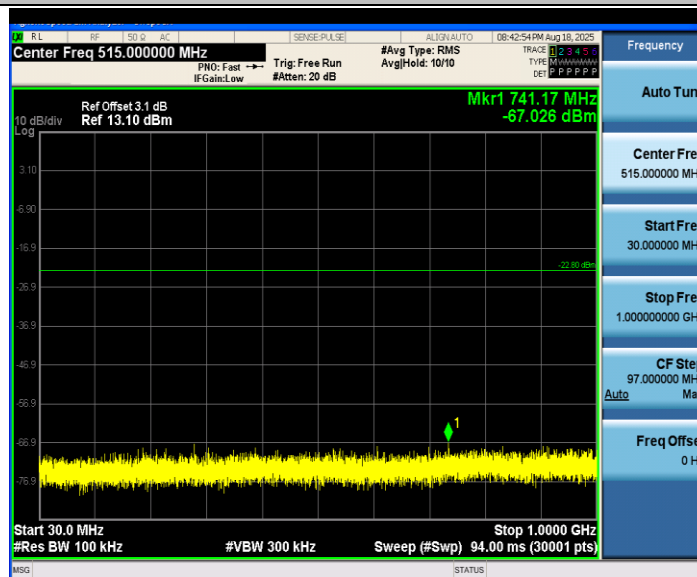
11G_Ant1_2412_1000~26500



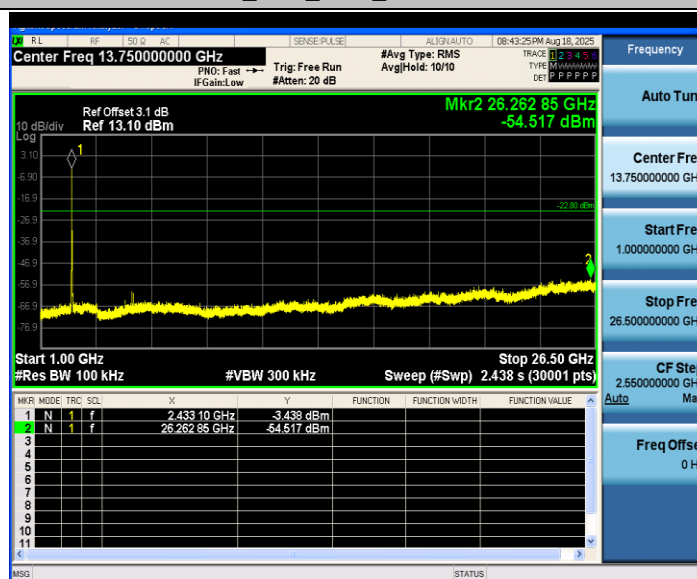
11G_Ant1_2437_0~Reference



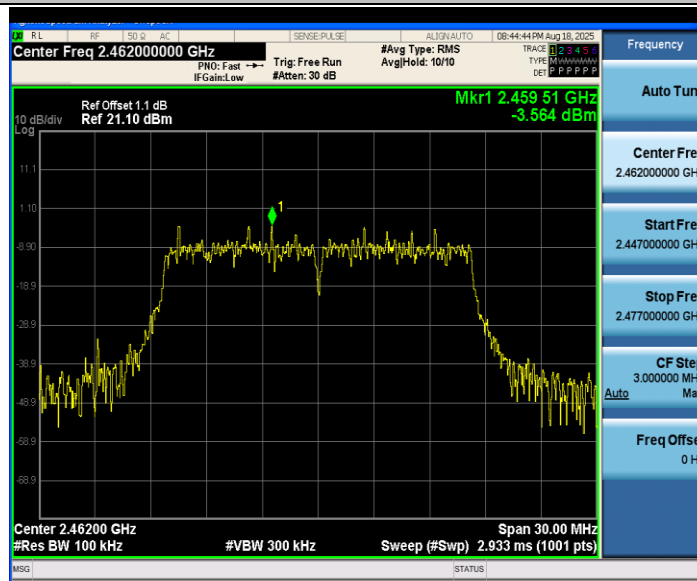
11G_Ant1_2437_30~1000



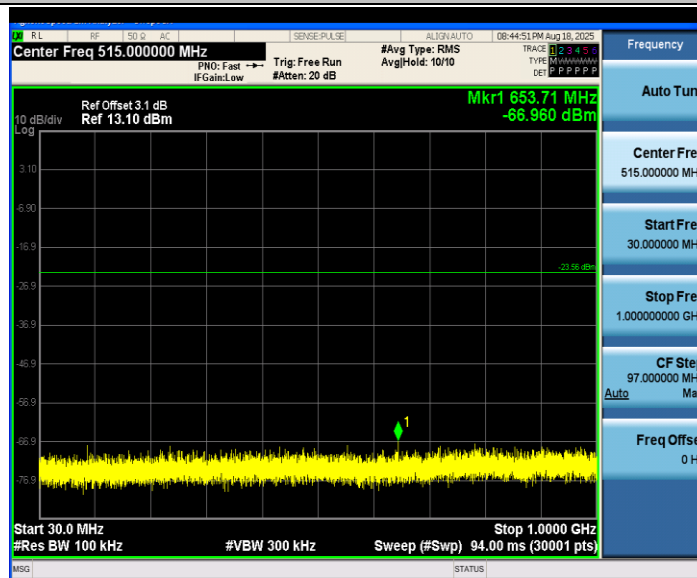
11G_Ant1_2437_1000~26500



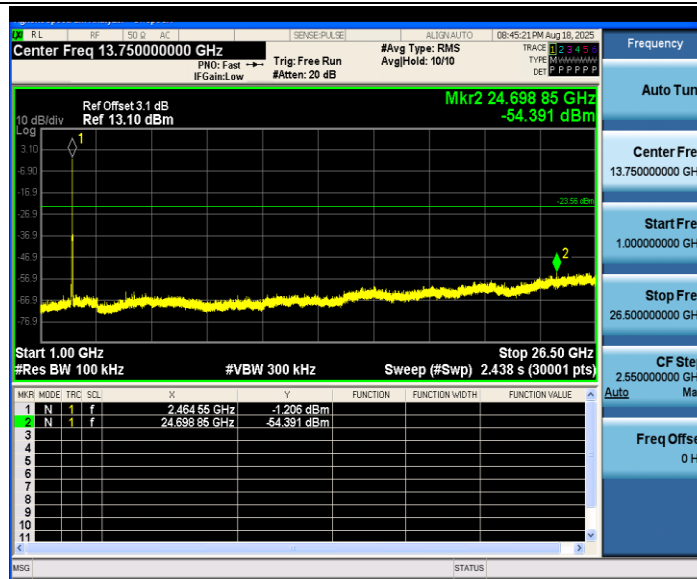
11G_Ant1_2462_0~Reference



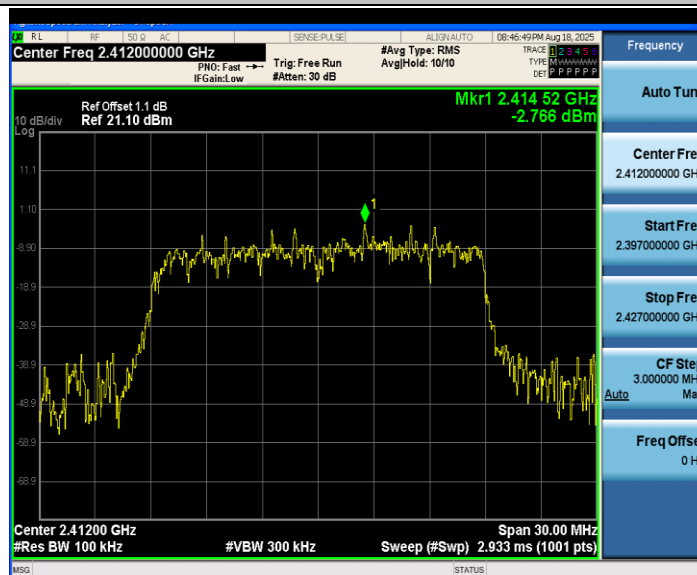
11G_Ant1_2462_30~1000



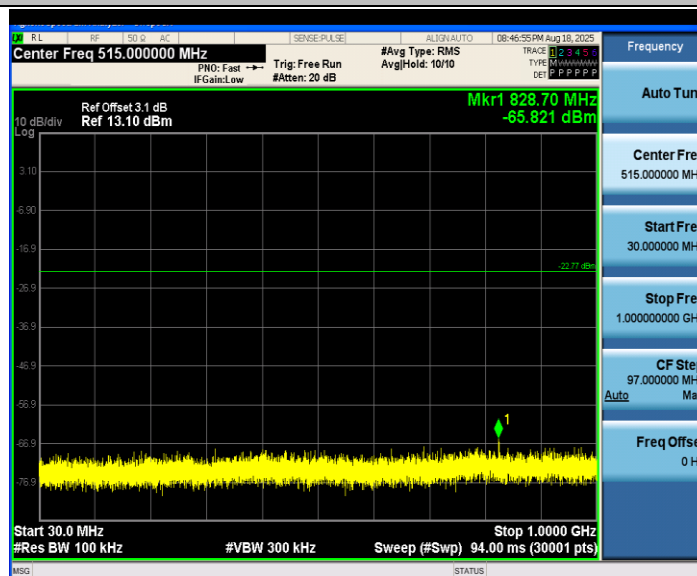
11G_Ant1_2462_1000~26500



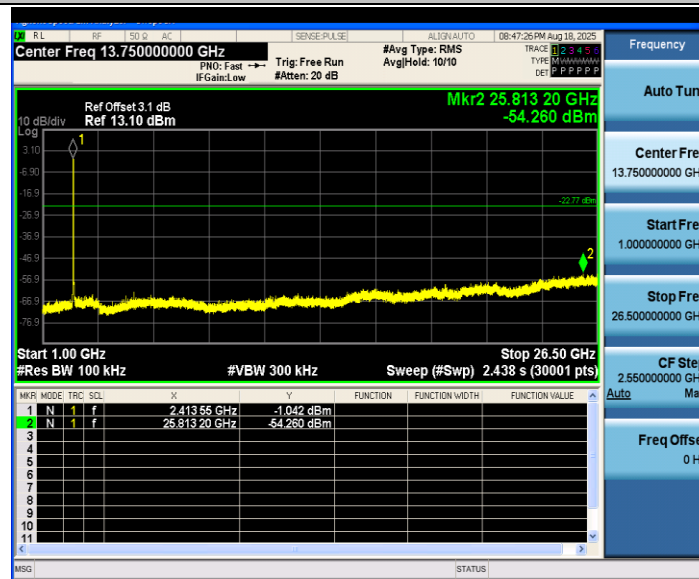
11N20SISO_Ant1_2412_0~Reference



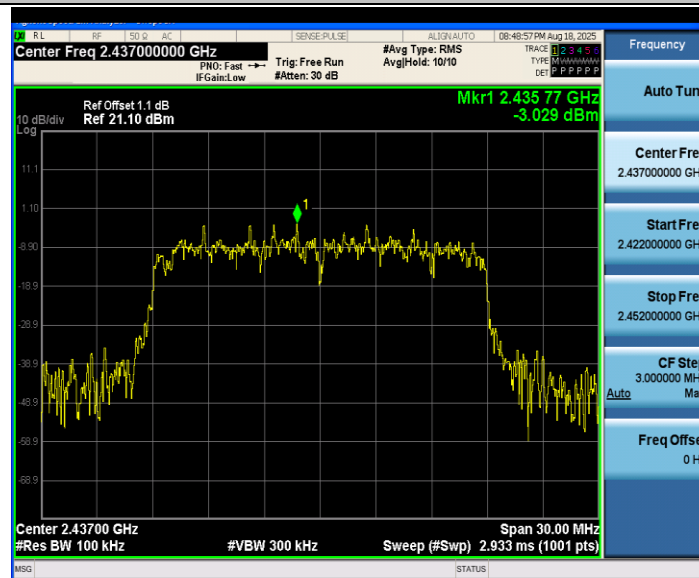
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000