

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BOS3-M95

Company : Shenzhen ROSOTO Technology Co., Ltd.

EUT : Dash Cam

Model Number : M95

Report No. : CTA26072201901

Reviewed By : Eric Wang

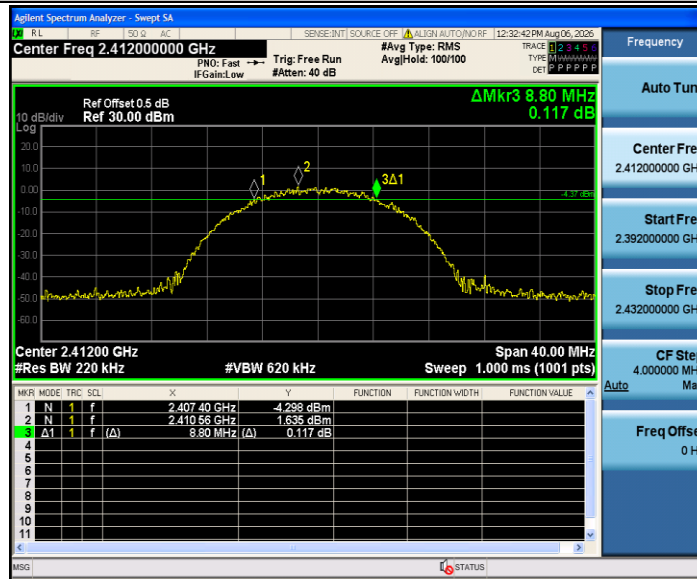
Appendix A: DTS Bandwidth

Test Result

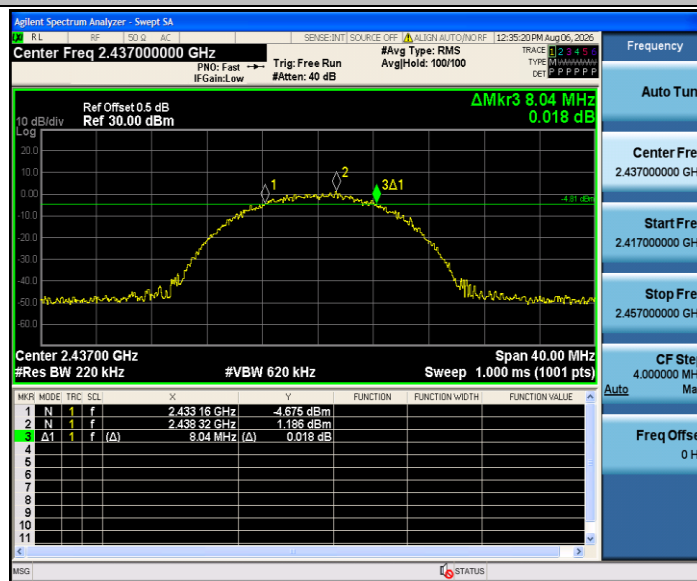
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.800	2407.400	2416.200	0.5	PASS
		2437	8.040	2433.160	2441.200	0.5	PASS
		2462	8.640	2457.880	2466.520	0.5	PASS
11G	Ant1	2412	16.520	2403.760	2420.280	0.5	PASS
		2437	16.400	2428.840	2445.240	0.5	PASS
		2462	16.360	2453.880	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.240	2420.840	0.5	PASS
		2437	17.640	2428.240	2445.880	0.5	PASS
		2462	17.560	2453.280	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.920	2440.240	0.5	PASS
		2437	36.080	2419.080	2455.160	0.5	PASS
		2452	36.160	2433.920	2470.080	0.5	PASS

Test Graphs

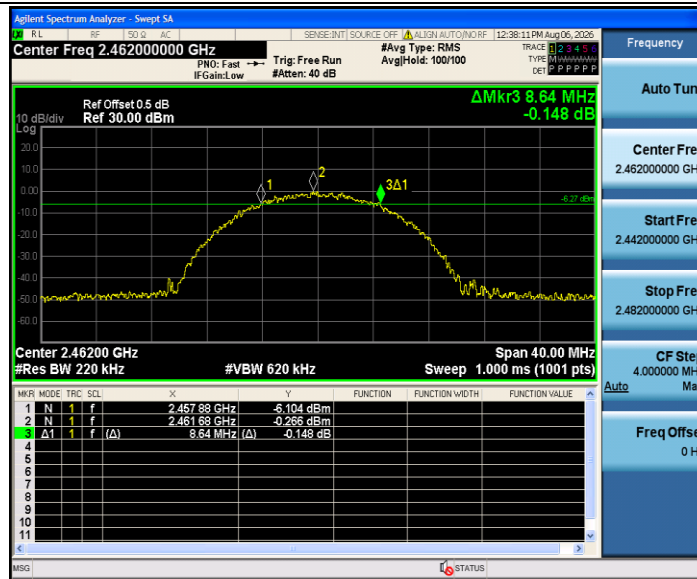
11B_Ant1_2412



11B_Ant1_2437



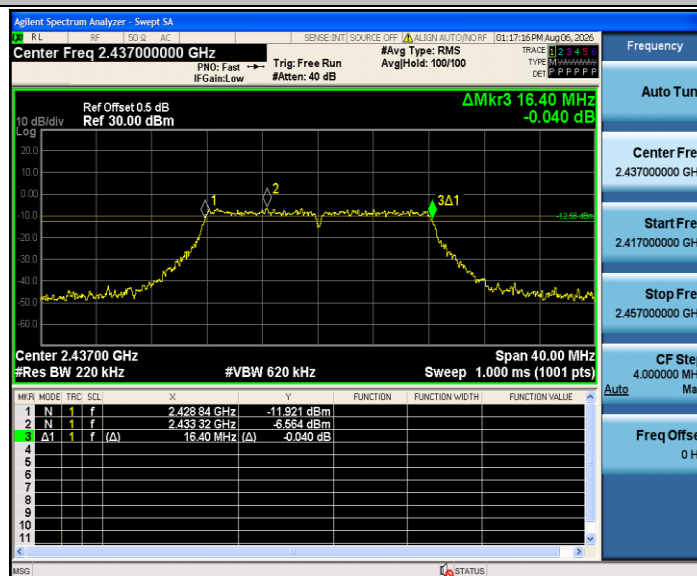
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



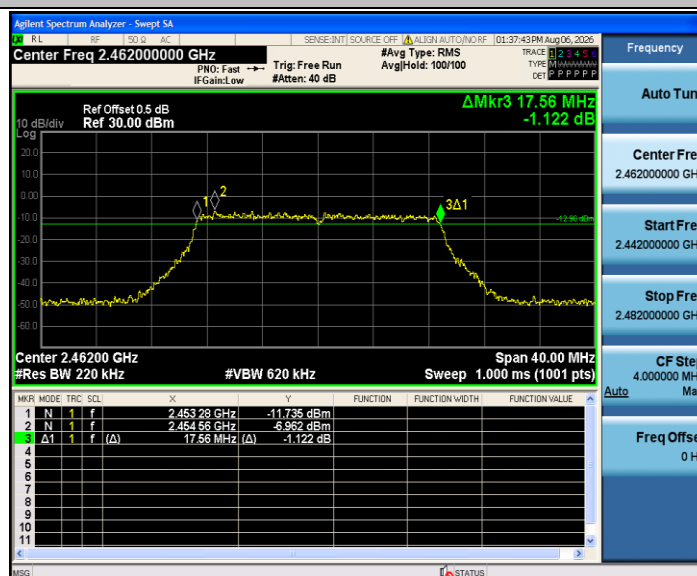
11N20SISO_Ant1_2412



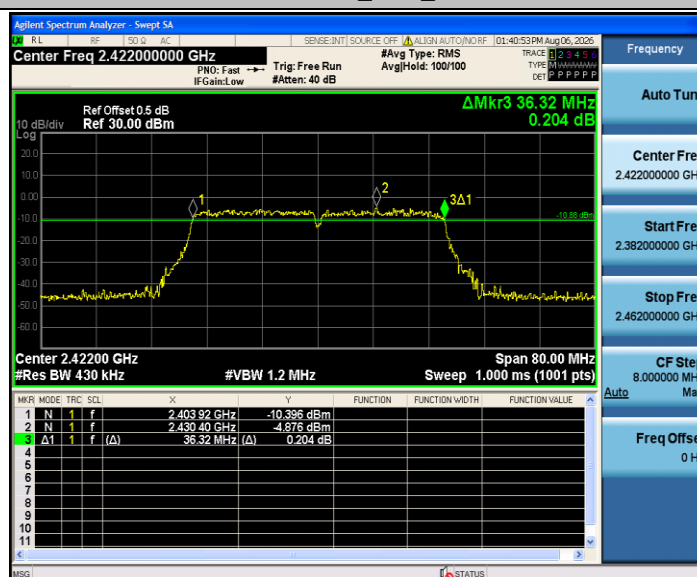
11N20SISO_Ant1_2437



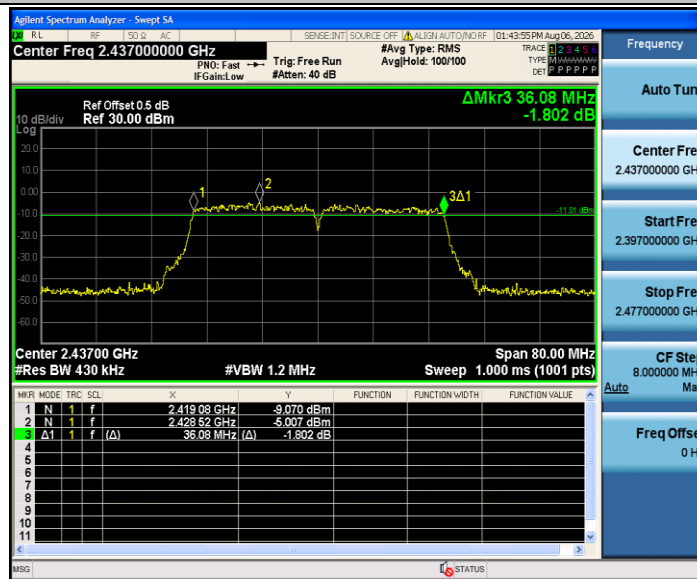
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



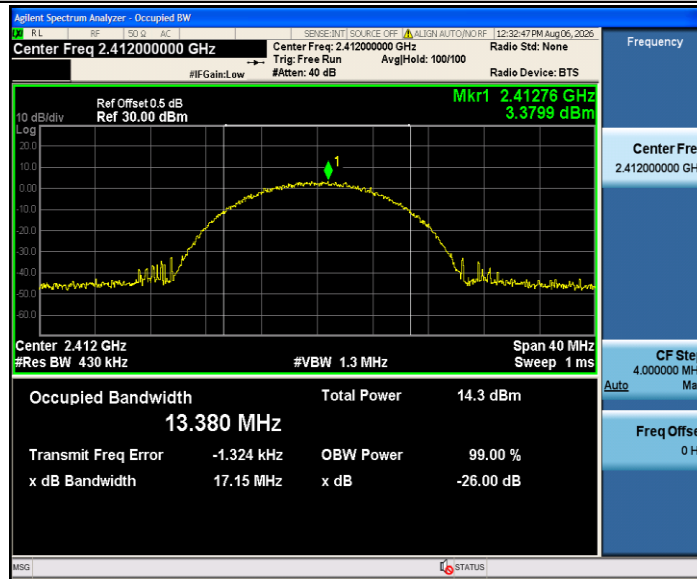
Appendix B: Occupied Channel Bandwidth

Test Result

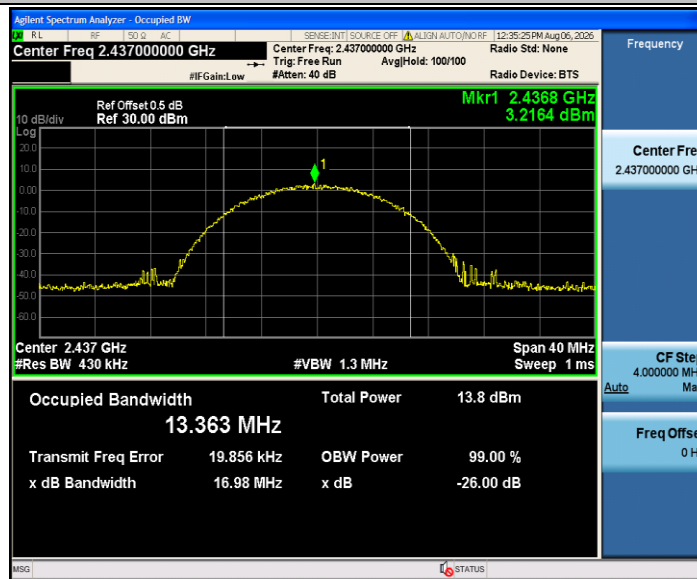
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.380	2405.3087	2418.6887	---	---
		2437	13.363	2430.3384	2443.7014	---	---
		2462	13.335	2455.3378	2468.6728	---	---
11G	Ant1	2412	17.258	2403.3675	2420.6255	---	---
		2437	17.062	2428.5196	2445.5816	---	---
		2462	17.173	2453.4081	2470.5811	---	---
11N20SISO	Ant1	2412	18.128	2402.9594	2421.0874	---	---
		2437	18.122	2427.9586	2446.0806	---	---
		2462	18.090	2452.9861	2471.0761	---	---
11N40SISO	Ant1	2422	36.433	2403.8590	2440.2920	---	---
		2437	36.381	2418.8758	2455.2568	---	---
		2452	36.470	2433.7880	2470.2580	---	---

Test Graphs

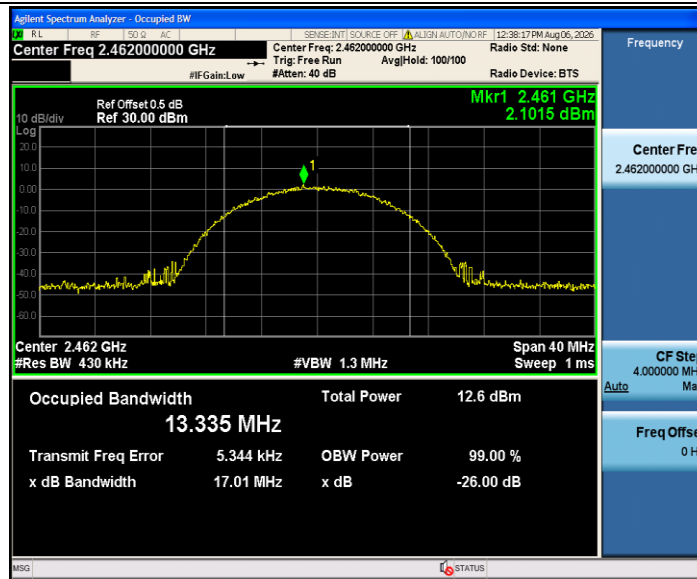
11B_Ant1_2412



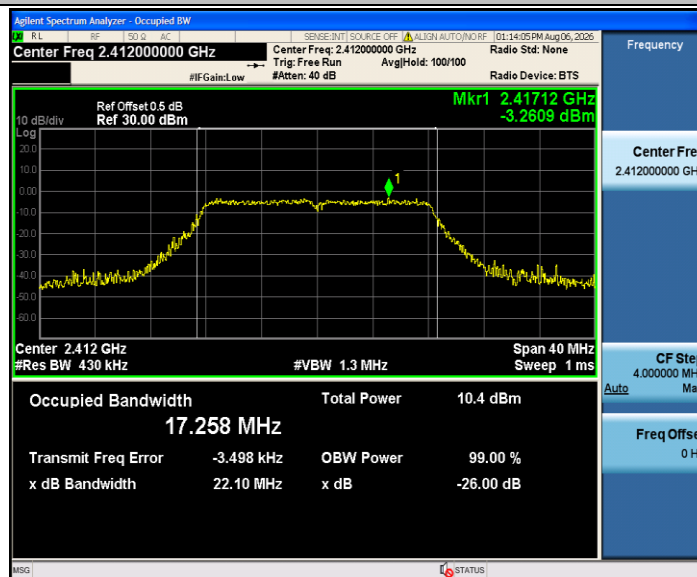
11B_Ant1_2437



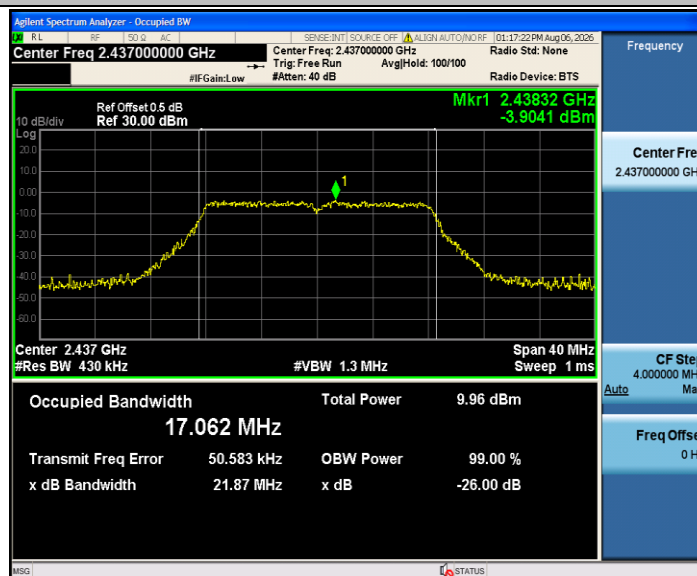
11B_Ant1_2462



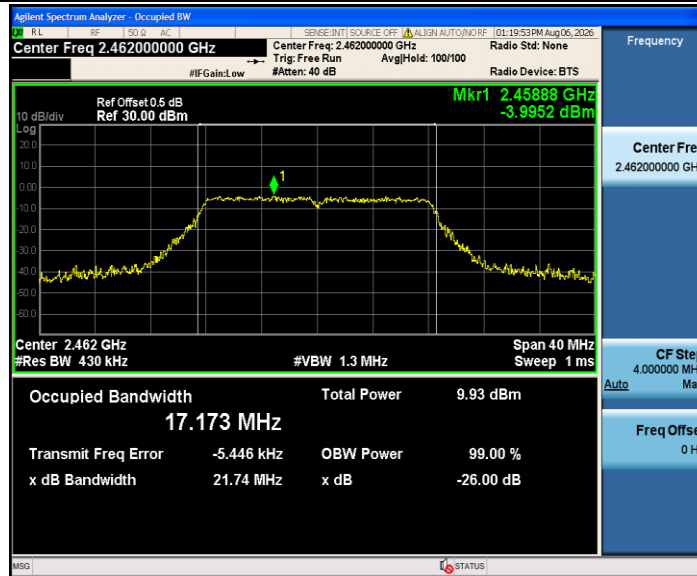
11G_Ant1_2412



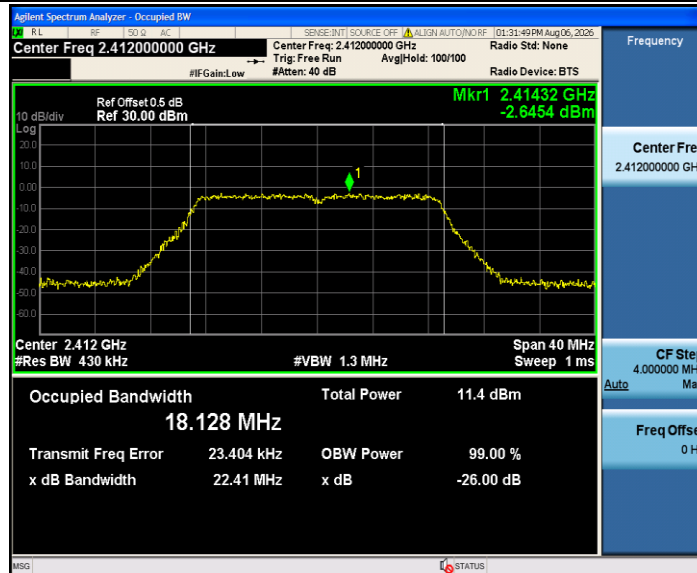
11G_Ant1_2437



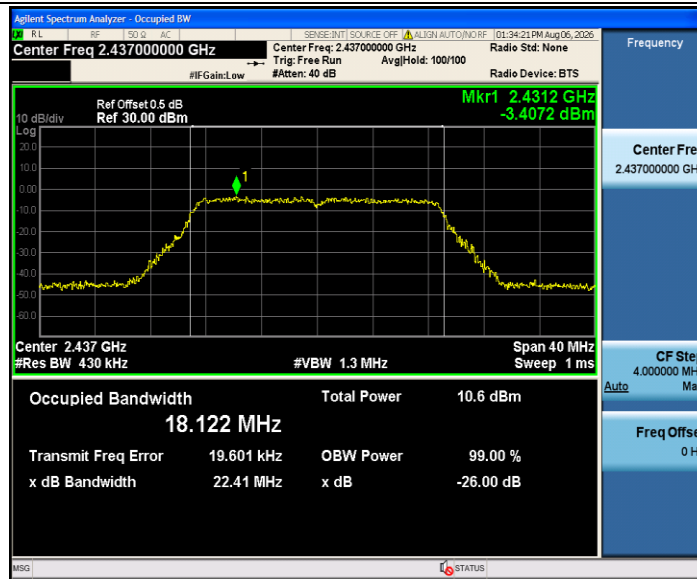
11G_Ant1_2462



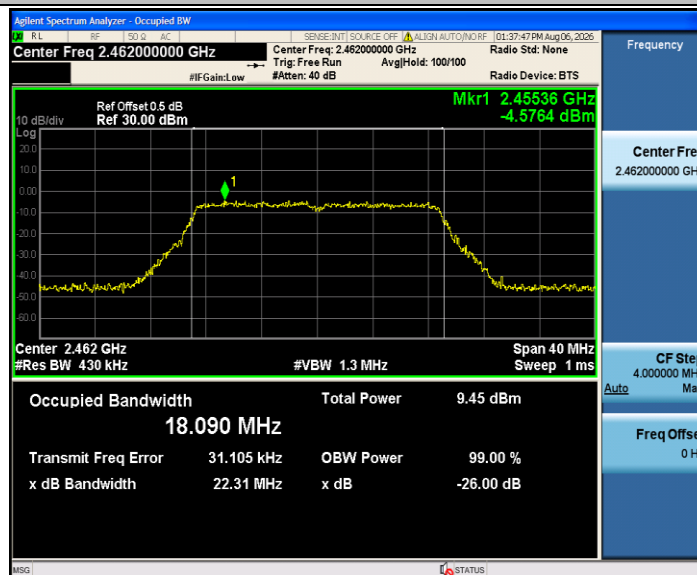
11N20SISO_Ant1_2412



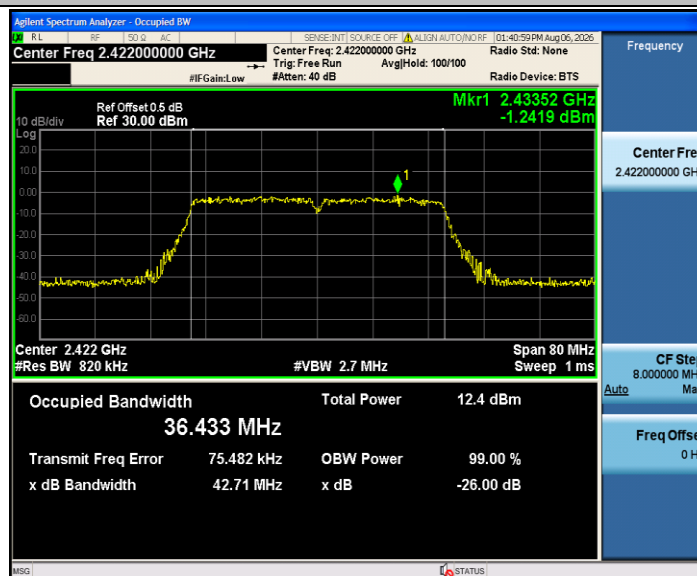
11N20SISO_Ant1_2437



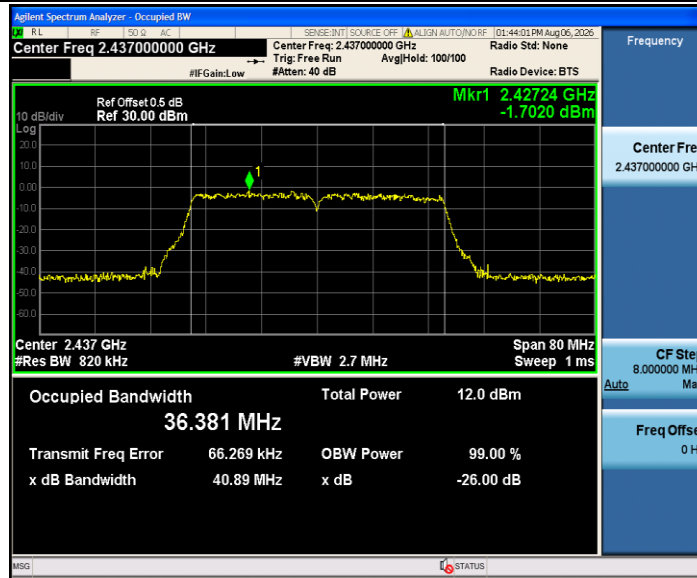
11N20SISO_Ant1_2462



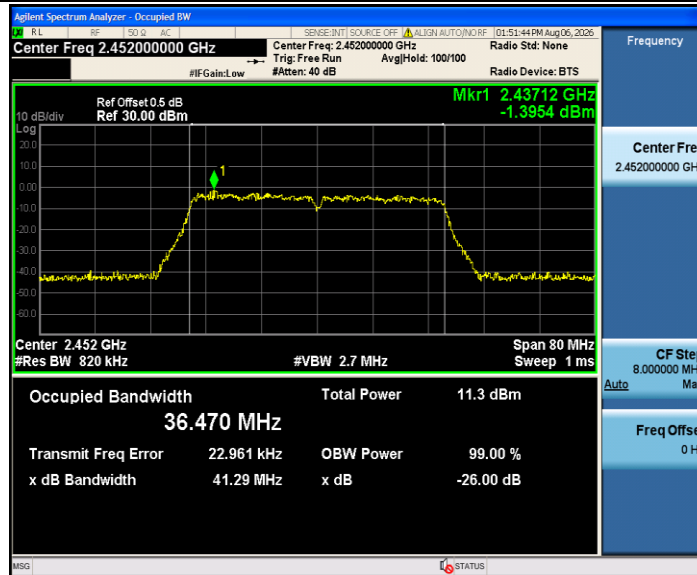
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[M Hz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.36	≤30.00	PASS
		2437	12.68	≤30.00	PASS
		2462	11.62	≤30.00	PASS
11G	Ant1	2412	11.53	≤30.00	PASS
		2437	10.96	≤30.00	PASS
		2462	10.93	≤30.00	PASS
11N20SISO	Ant1	2412	12.49	≤30.00	PASS
		2437	11.71	≤30.00	PASS
		2462	10.47	≤30.00	PASS
11N40SISO	Ant1	2422	12.39	≤30.00	PASS
		2437	12.00	≤30.00	PASS
		2452	11.48	≤30.00	PASS

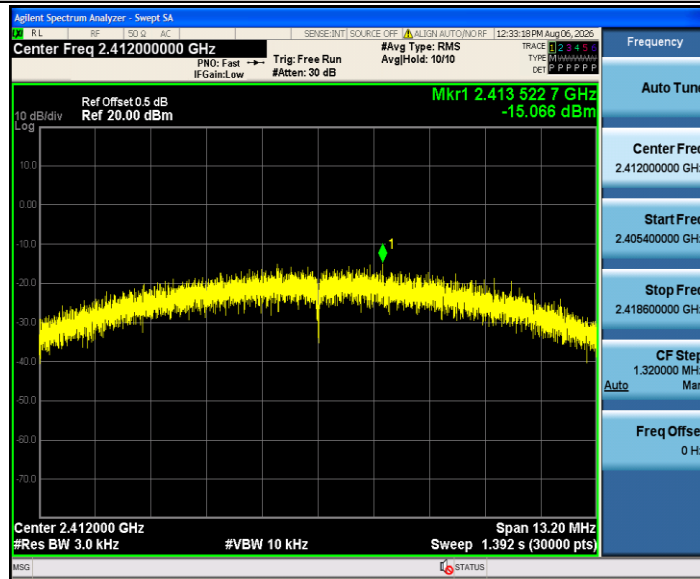
Appendix D: Maximum power spectral density

Test Result

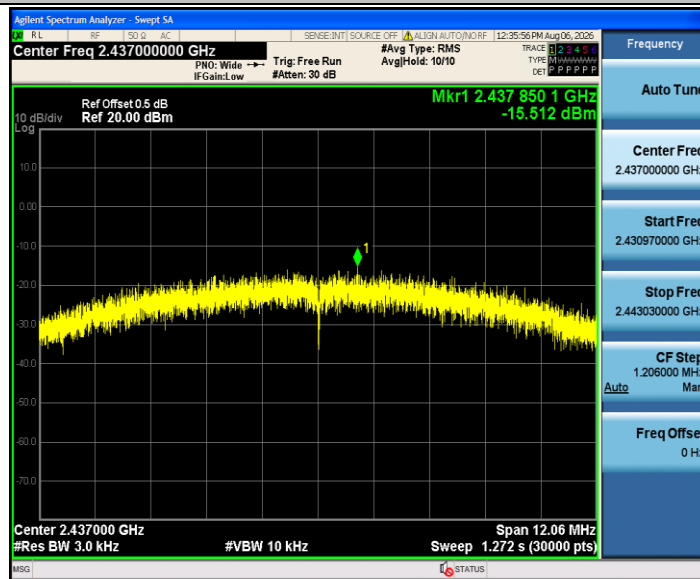
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.07	≤8.00	PASS
		2437	-15.51	≤8.00	PASS
		2462	-16.04	≤8.00	PASS
11G	Ant1	2412	-20.39	≤8.00	PASS
		2437	-21.13	≤8.00	PASS
		2462	-19.95	≤8.00	PASS
11N20SISO	Ant1	2412	-18.74	≤8.00	PASS
		2437	-20.57	≤8.00	PASS
		2462	-22.30	≤8.00	PASS
11N40SISO	Ant1	2422	-23.61	≤8.00	PASS
		2437	-23.40	≤8.00	PASS
		2452	-24.78	≤8.00	PASS

Test Graphs

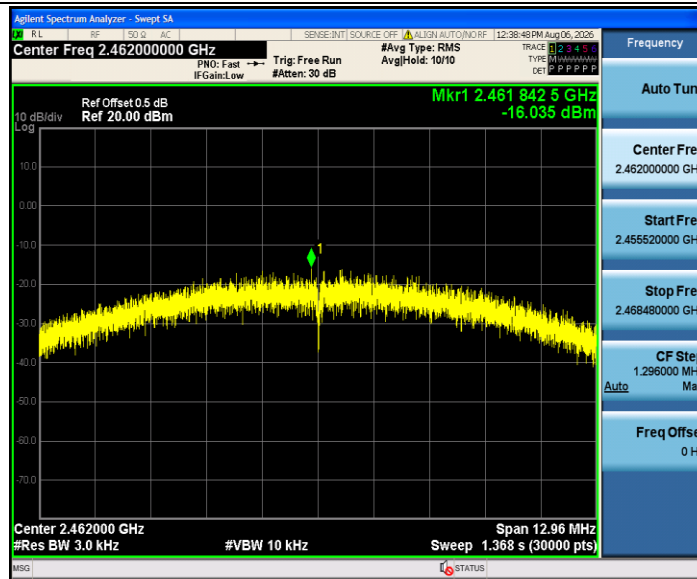
11B_Ant1_2412



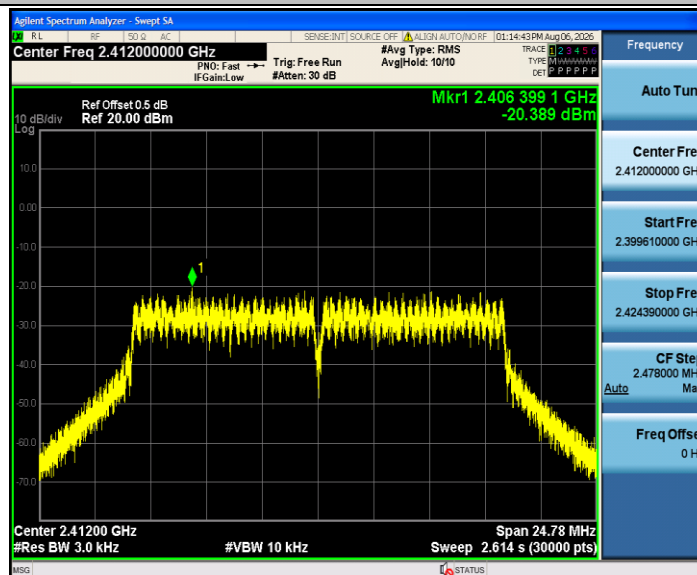
11B_Ant1_2437



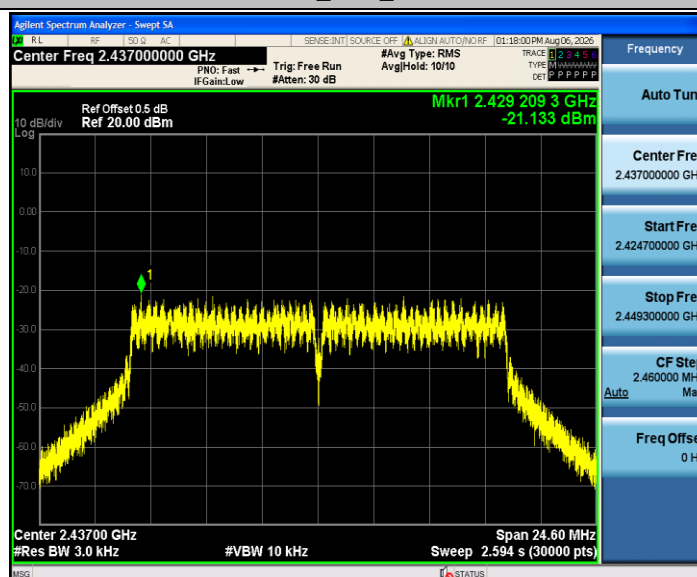
11B_Ant1_2462



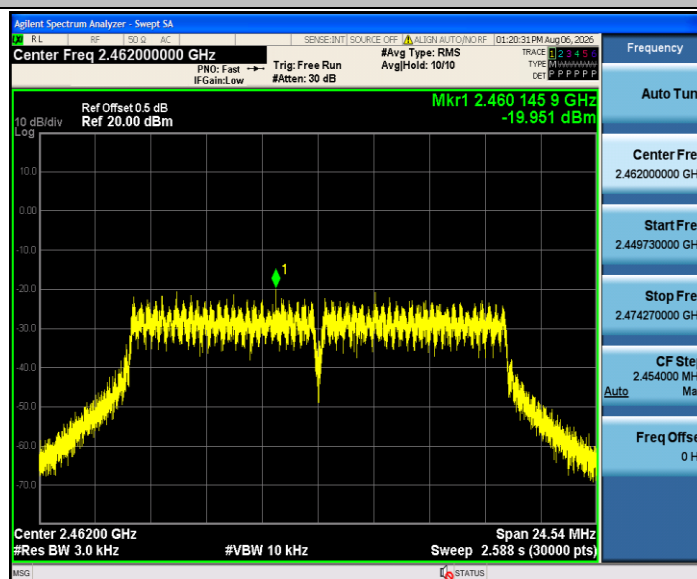
11G_Ant1_2412



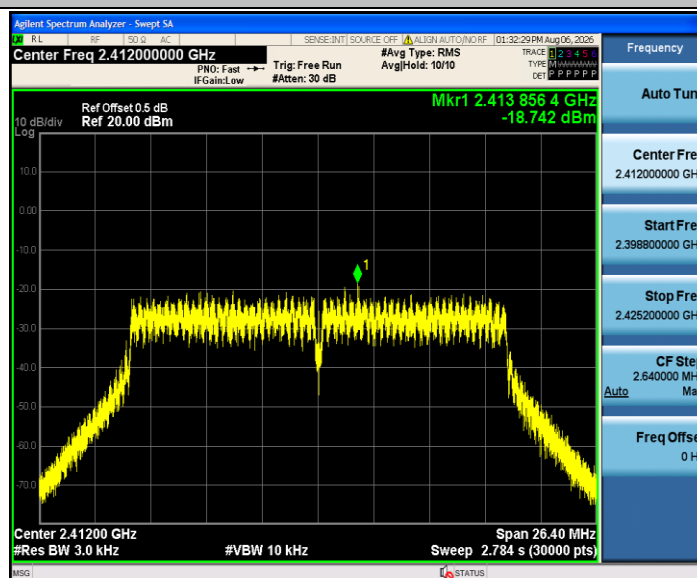
11G_Ant1_2437



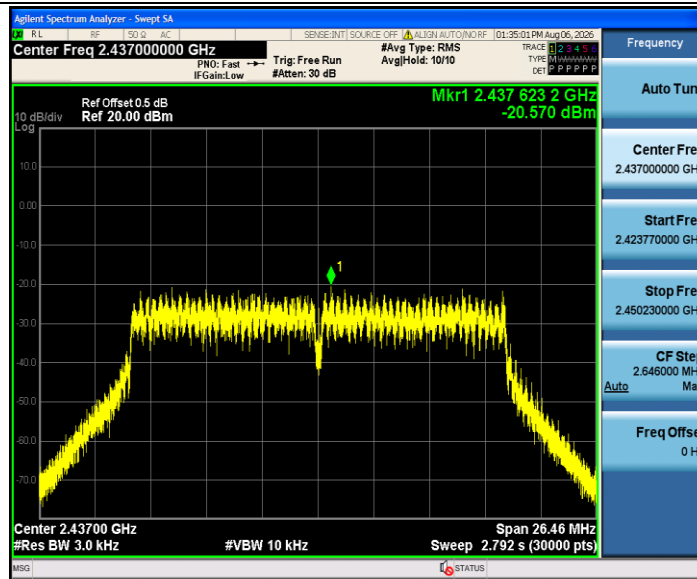
11G_Ant1_2462



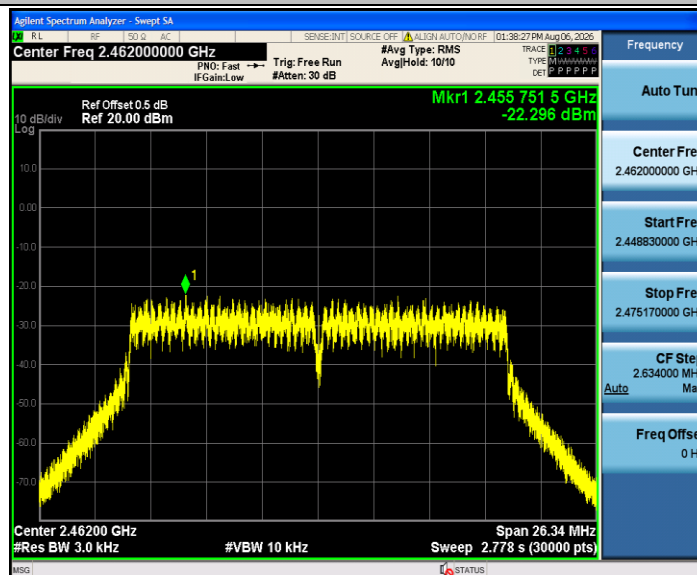
11N20SISO_Ant1_2412



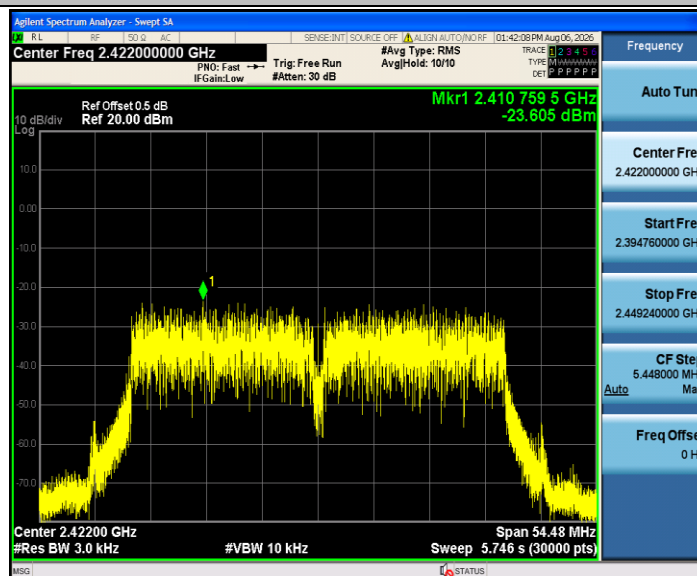
11N20SISO_Ant1_2437



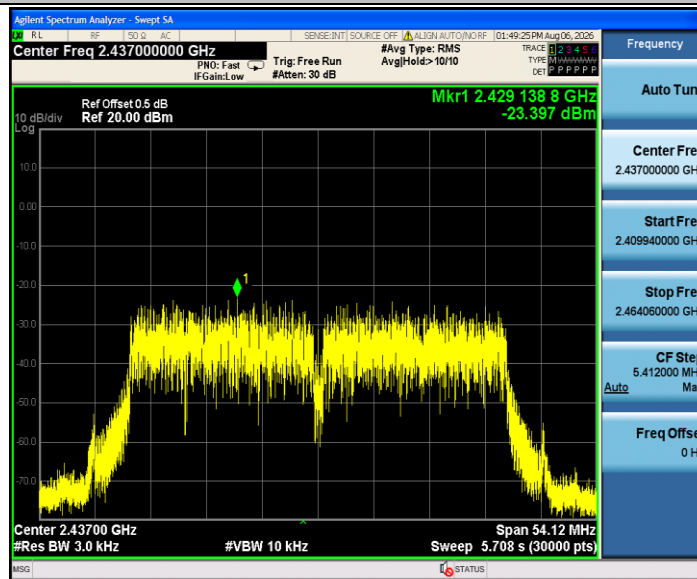
11N20SISO_Ant1_2462



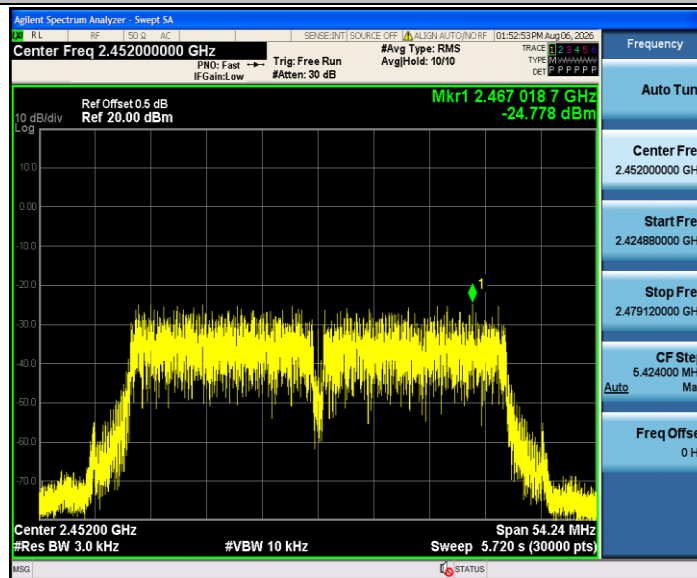
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



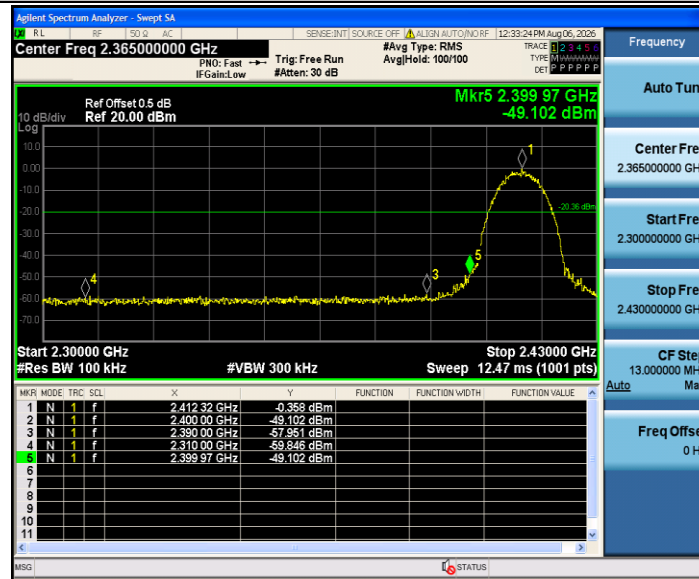
Appendix E: Band edge measurements

Test Result

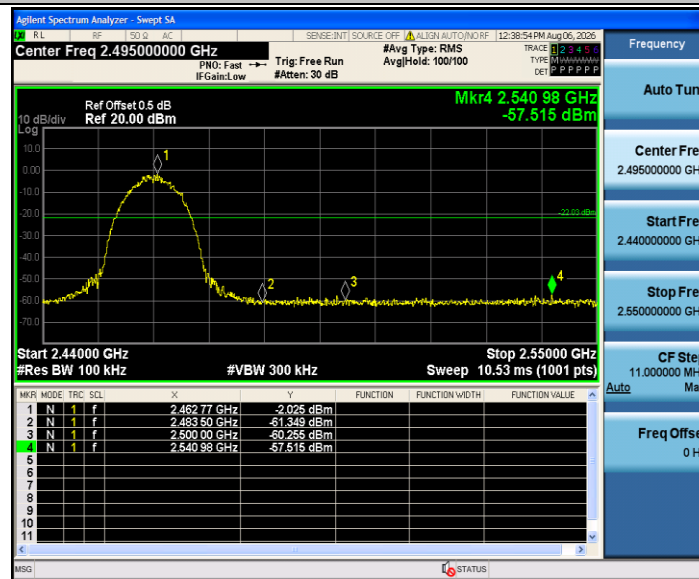
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.36	-49.1	≤-20.36	PASS
		High	2462	-2.03	-57.52	≤-22.03	PASS
11G	Ant1	Low	2412	-6.67	-44.04	≤-26.67	PASS
		High	2462	-7.78	-54.45	≤-27.78	PASS
11N20SISO	Ant1	Low	2412	-6.66	-44.77	≤-26.66	PASS
		High	2462	-8.08	-57.6	≤-28.08	PASS
11N40SISO	Ant1	Low	2422	-7.97	-44.94	≤-27.97	PASS
		High	2452	-8.97	-56.97	≤-28.97	PASS

Test Graphs

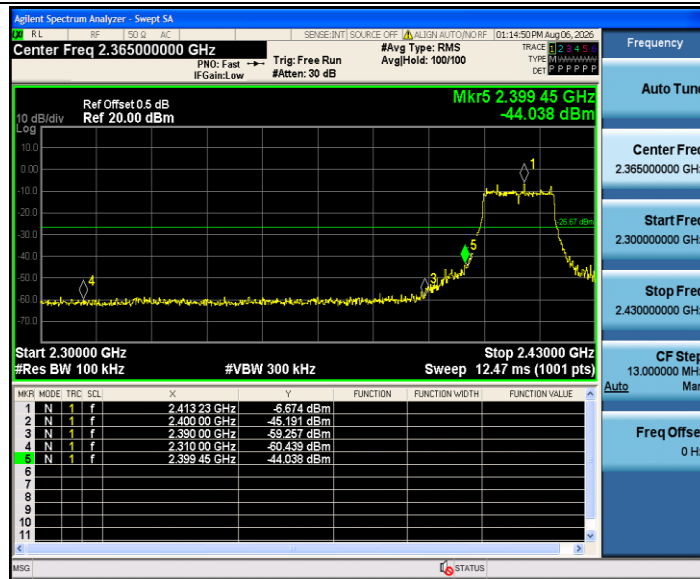
11B_Ant1_Low_2412



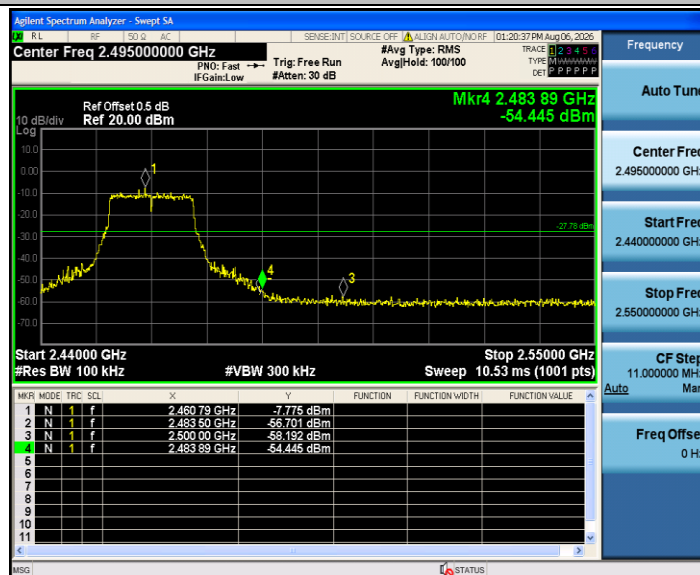
11B_Ant1_High_2462



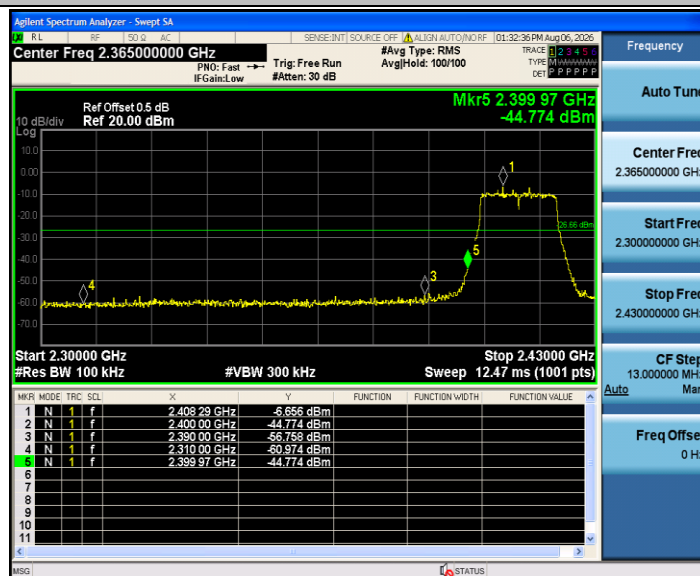
11G_Ant1_Low_2412



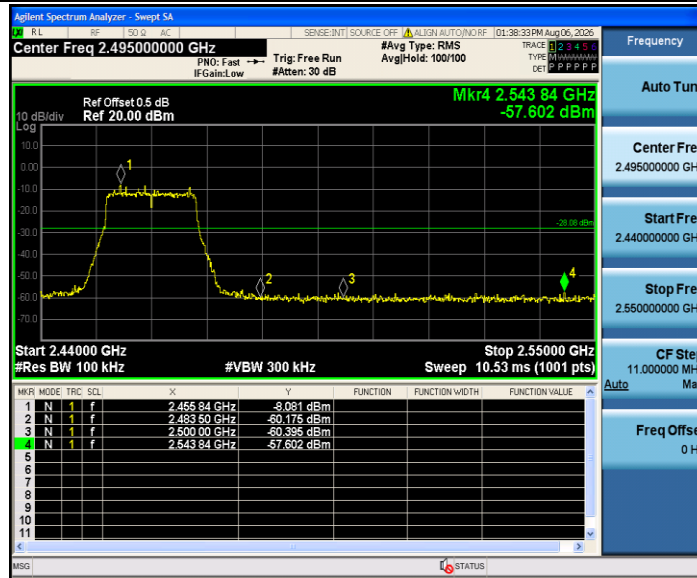
11G_Ant1_High_2462



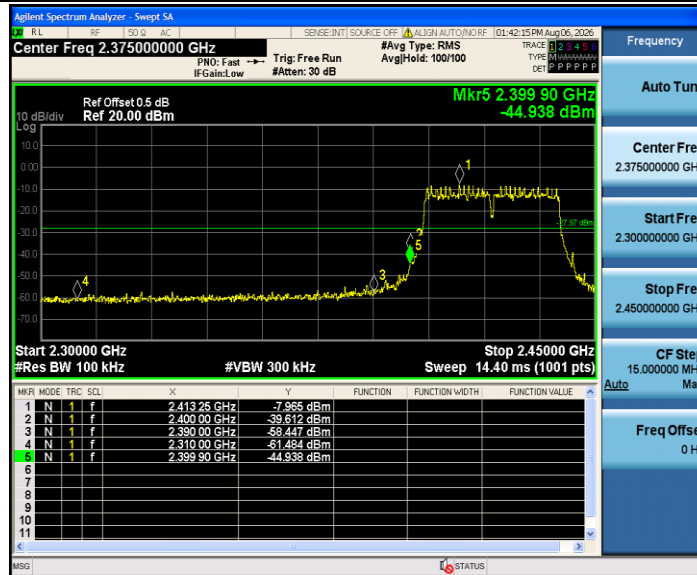
11N20SISO_Ant1_Low_2412



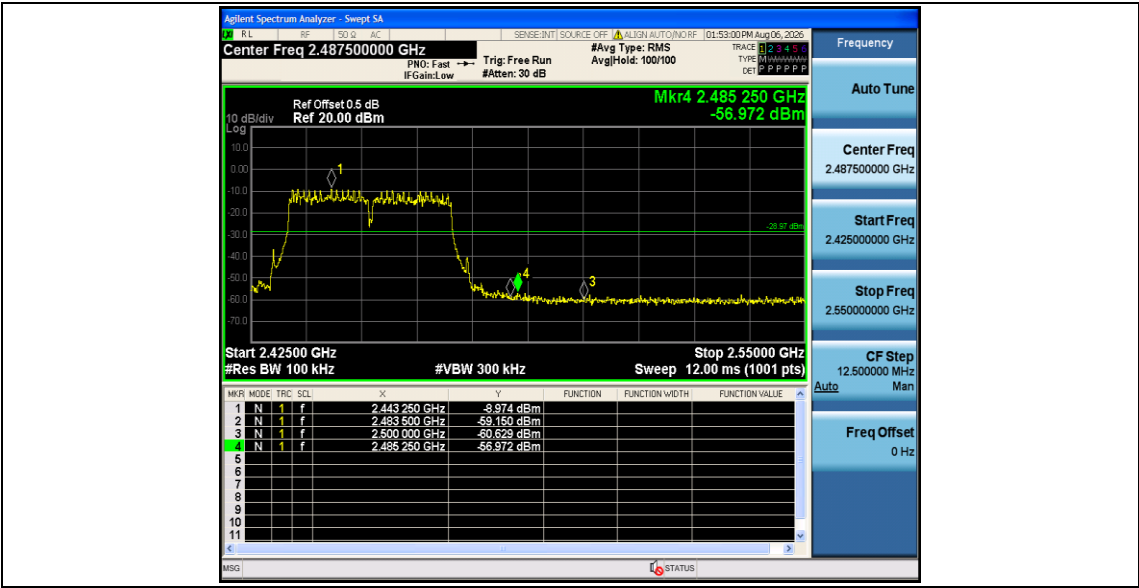
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

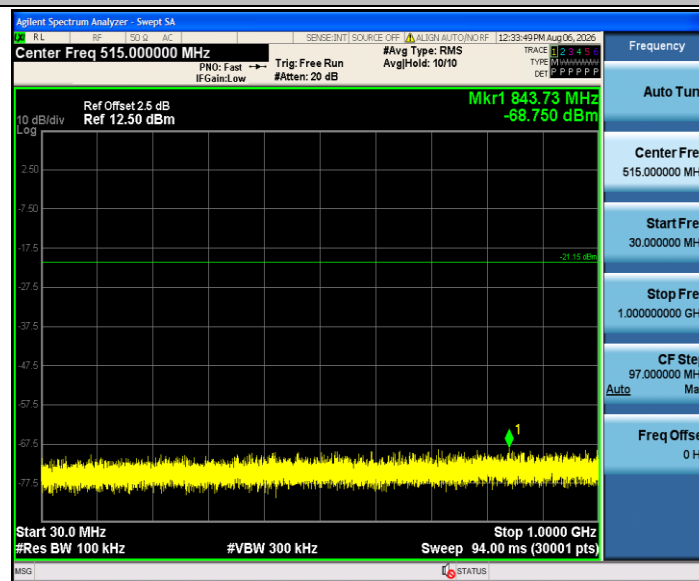
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-1.15	-1.15	---	PASS
			30~1000	-1.15	-68.75	≤-21.15	PASS
			1000~26500	-1.15	-46.22	≤-21.15	PASS
		2437	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-68.55	≤-22.15	PASS
			1000~26500	-2.15	-46.42	≤-22.15	PASS
		2462	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-68.03	≤-23.73	PASS
			1000~26500	-3.73	-46.07	≤-23.73	PASS
11G	Ant1	2412	Reference	-10.41	-10.41	---	PASS
			30~1000	-10.41	-67.6	≤-30.41	PASS
			1000~26500	-10.41	-46.14	≤-30.41	PASS
		2437	Reference	-7.45	-7.45	---	PASS
			30~1000	-7.45	-66.11	≤-27.45	PASS
			1000~26500	-7.45	-47.01	≤-27.45	PASS
		2462	Reference	-10.54	-10.54	---	PASS
			30~1000	-10.54	-67.44	≤-30.54	PASS
			1000~26500	-10.54	-46.93	≤-30.54	PASS
11N20SISO	Ant1	2412	Reference	-6.62	-6.62	---	PASS
			30~1000	-6.62	-66.02	≤-26.62	PASS
			1000~26500	-6.62	-46.79	≤-26.62	PASS
		2437	Reference	-9.98	-9.98	---	PASS
			30~1000	-9.98	-66.51	≤-29.98	PASS
			1000~26500	-9.98	-47.08	≤-29.98	PASS
		2462	Reference	-9.02	-9.02	---	PASS
			30~1000	-9.02	-66.84	≤-29.02	PASS
			1000~26500	-9.02	-46.53	≤-29.02	PASS
11N40SISO	Ant1	2422	Reference	-8.82	-8.82	---	PASS
			30~1000	-8.82	-66	≤-28.82	PASS
			1000~26500	-8.82	-46.92	≤-28.82	PASS
		2437	Reference	-8.93	-8.93	---	PASS
			30~1000	-8.93	-65.19	≤-28.93	PASS
			1000~26500	-8.93	-46.3	≤-28.93	PASS
		2452	Reference	-9.77	-9.77	---	PASS
			30~1000	-9.77	-65.77	≤-29.77	PASS
			1000~26500	-9.77	-47.12	≤-29.77	PASS

Test Graphs

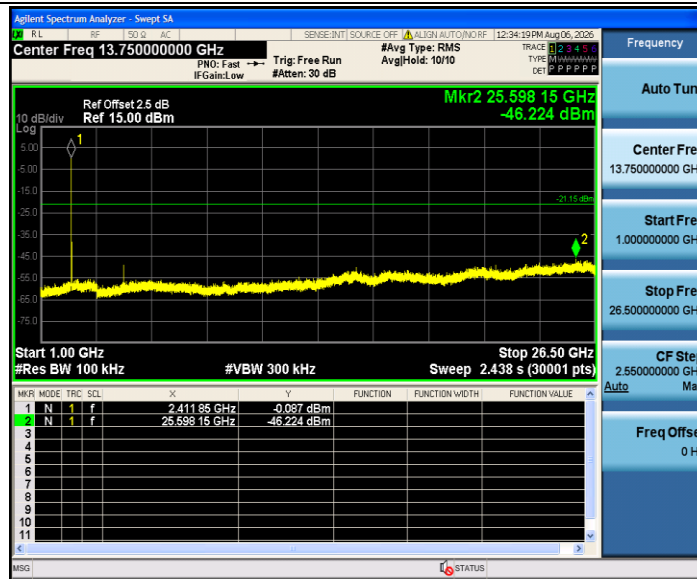
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



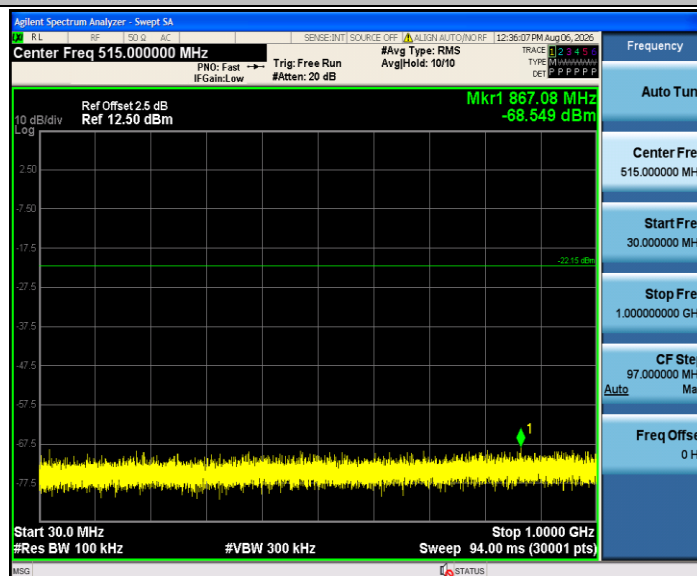
11B_Ant1_2412_1000~26500



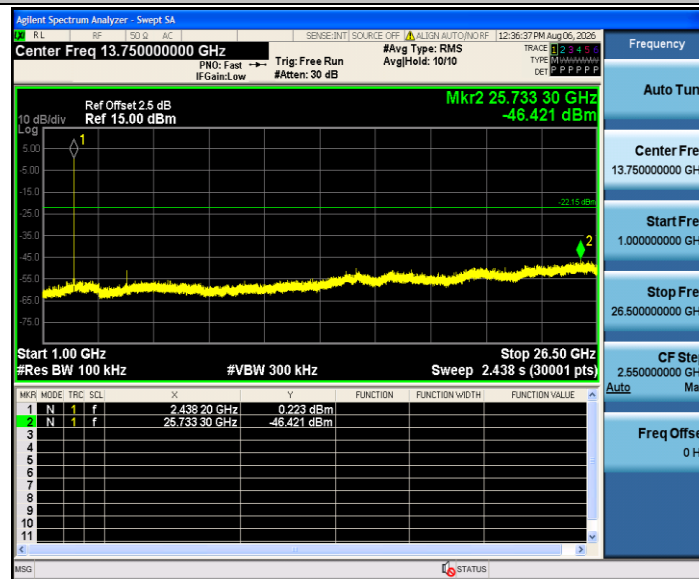
11B_Ant1_2437_0~Reference



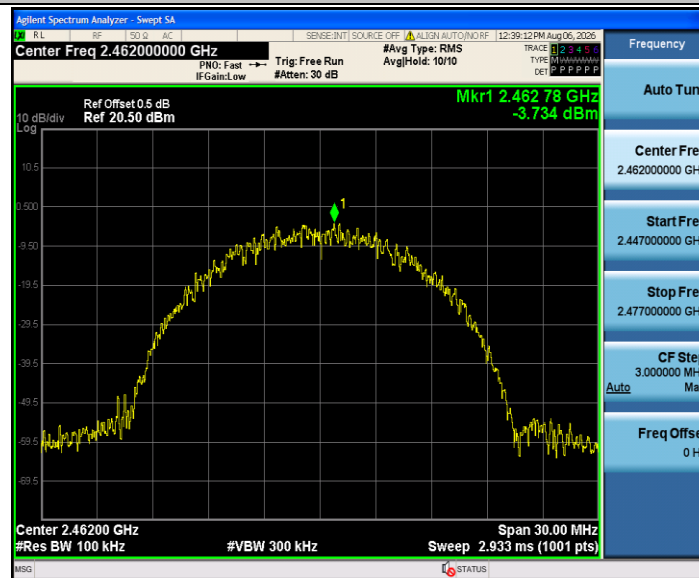
11B_Ant1_2437_30~1000



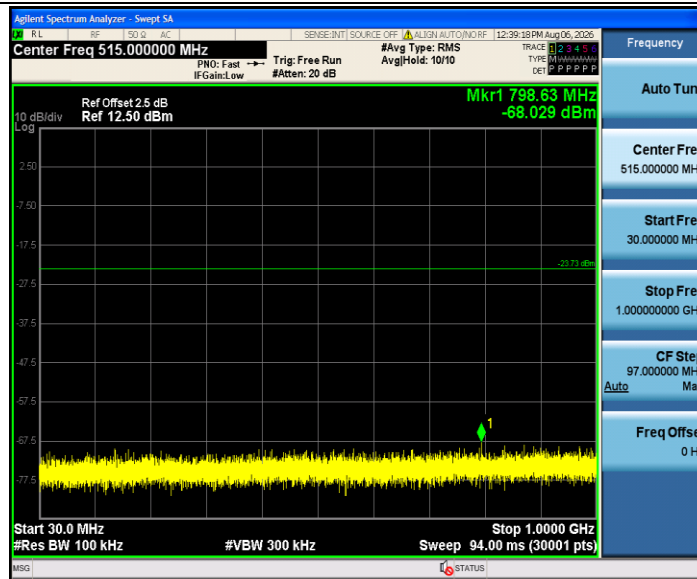
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



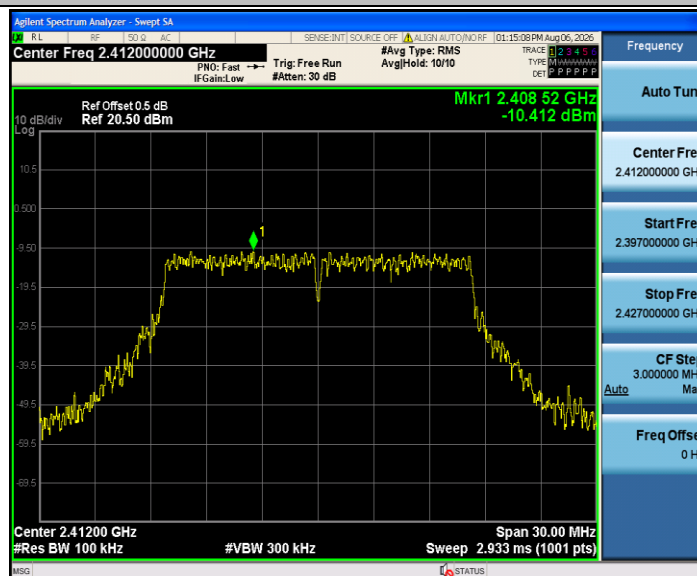
11B_Ant1_2462_30~1000



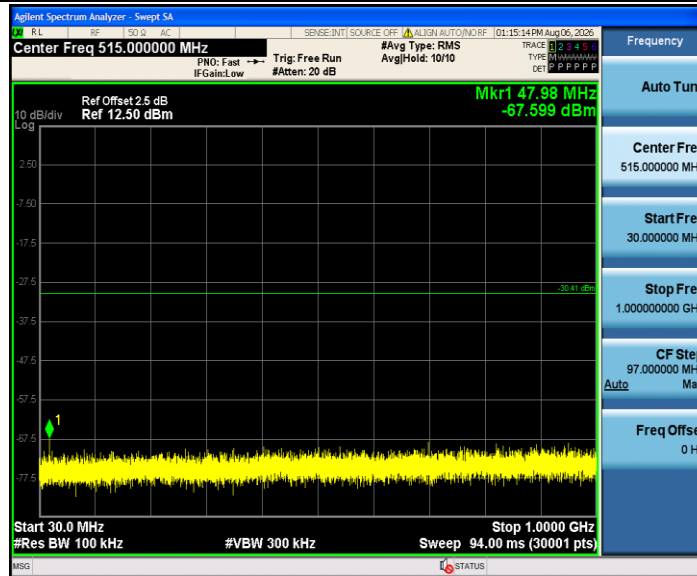
11B_Ant1_2462_1000~26500



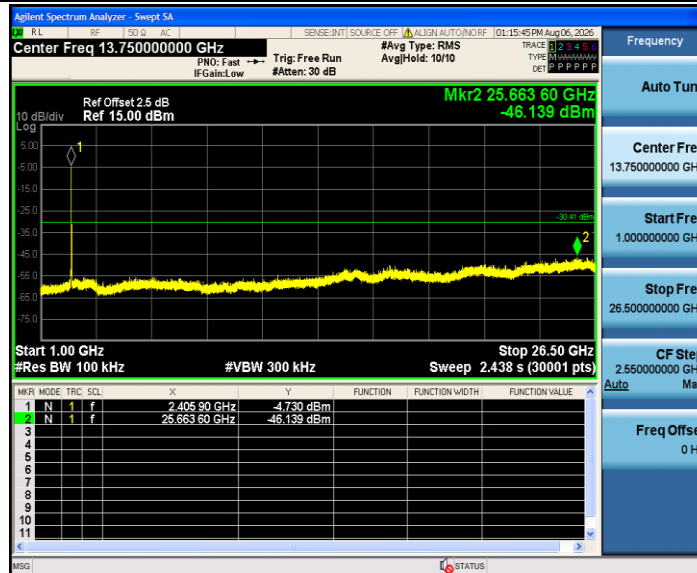
11G_Ant1_2412_0~Reference



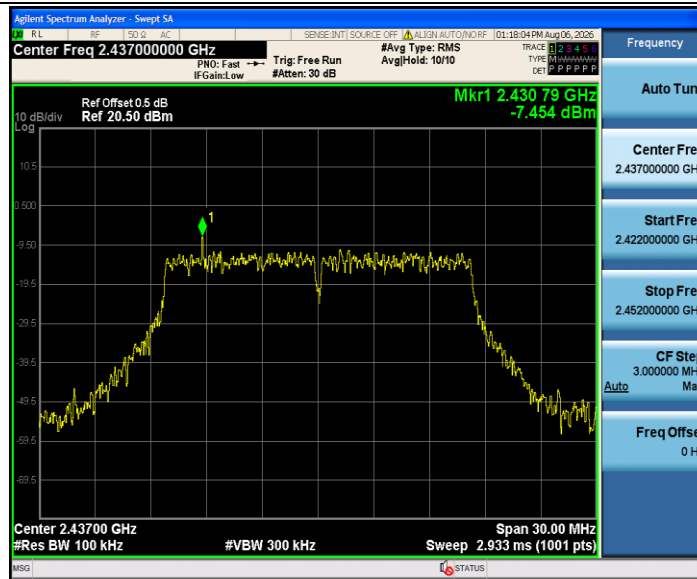
11G_Ant1_2412_30~1000



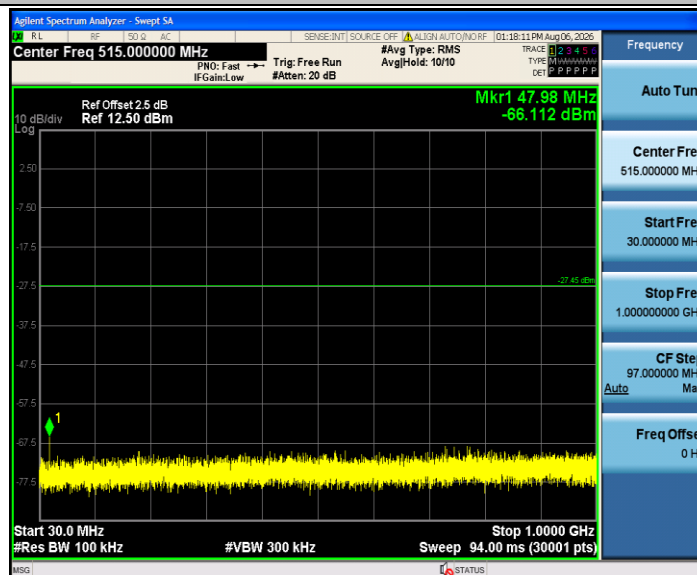
11G_Ant1_2412_1000~26500



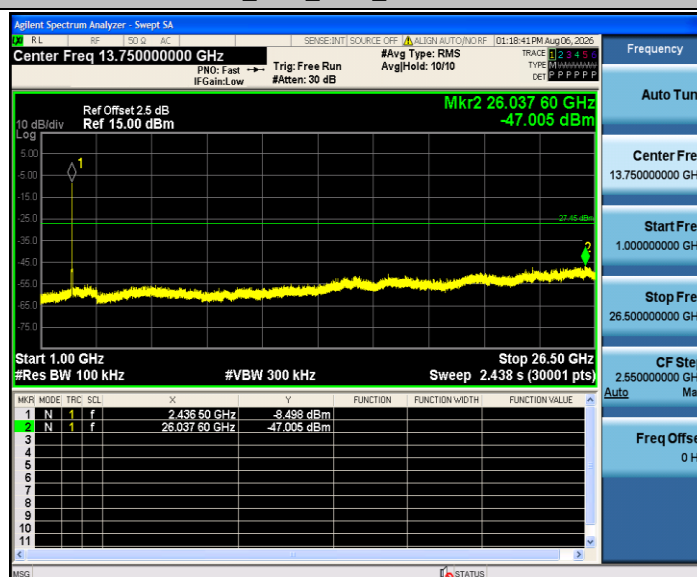
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



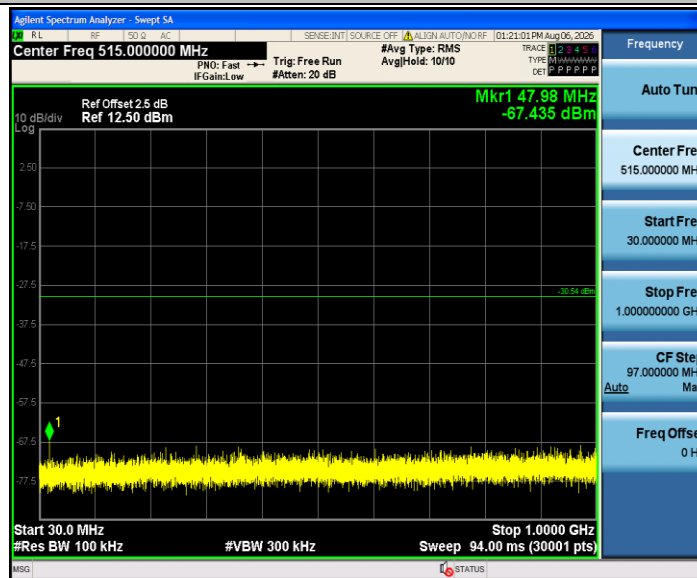
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500