Case No. : GTS20250225018-2-08	
Ambient Condition: 22 ℃, 53 %RH,	
Test Date: 2025.4.21	**Test Engineer:** Evan ouyang

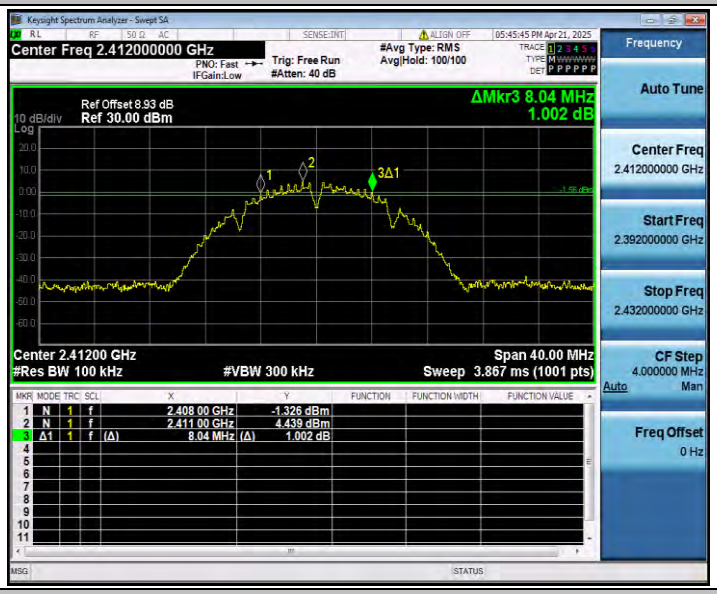
Appendix C.1: DTS Bandwidth

Test Result

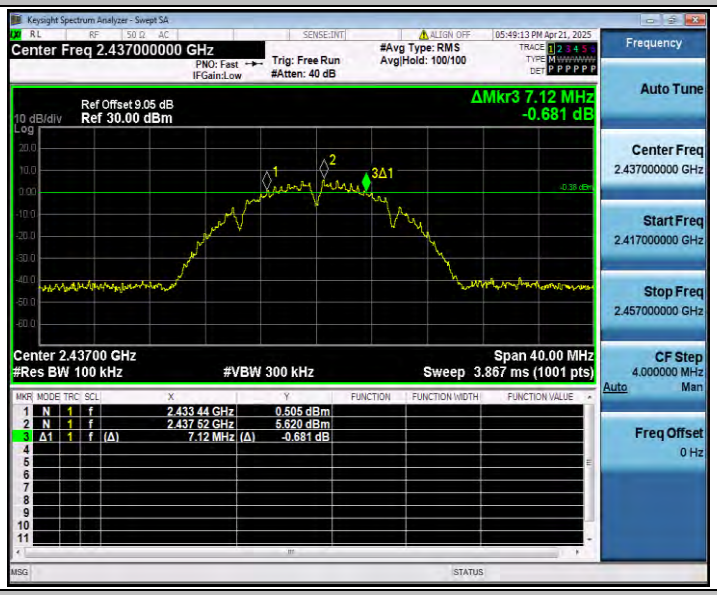
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2408.000	2416.040	0.5	PASS
		2437	7.120	2433.440	2440.560	0.5	PASS
		2462	8.000	2458.000	2466.000	0.5	PASS
11G	Ant1	2412	15.400	2404.480	2419.880	0.5	PASS
		2437	14.720	2429.440	2444.160	0.5	PASS
		2462	14.440	2455.120	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.320	2404.480	2419.800	0.5	PASS
		2437	15.080	2429.440	2444.520	0.5	PASS
		2462	13.800	2455.720	2469.520	0.5	PASS

Test Graphs

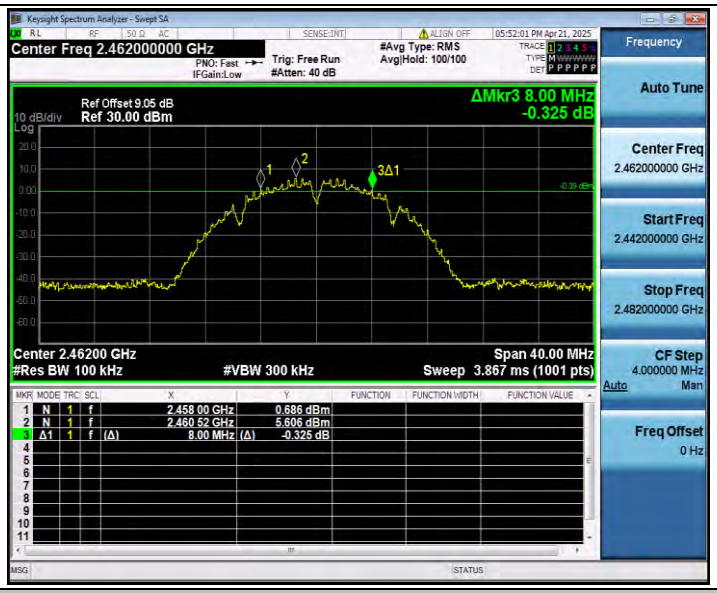
11B_Ant1_2412



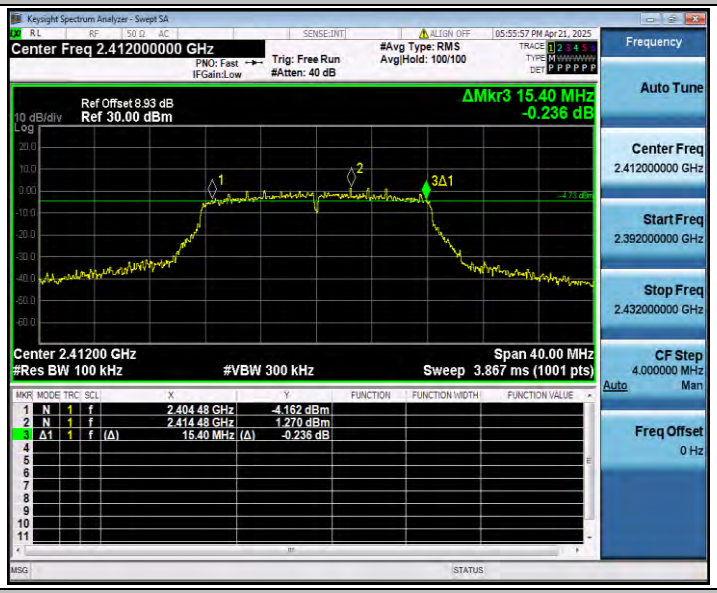
11B_Ant1_2437



11B_Ant1_2462



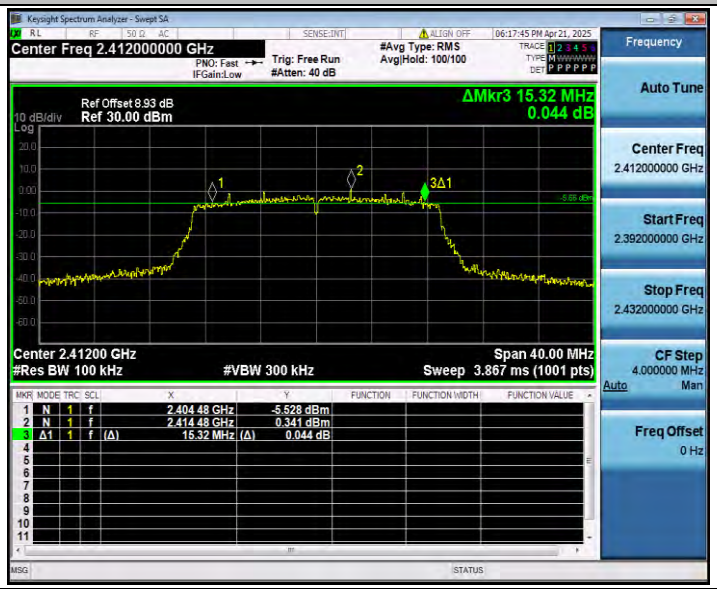
11G_Ant1_2412



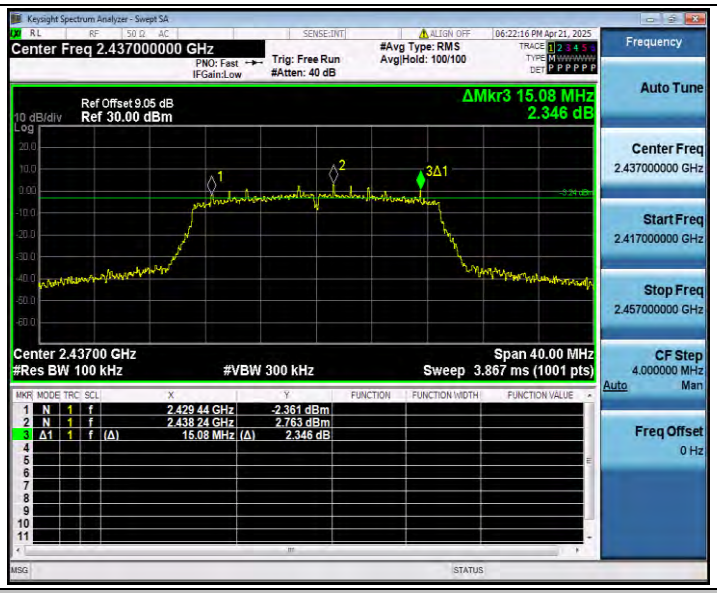
11G_Ant1_2437

11G_Ant1_2462

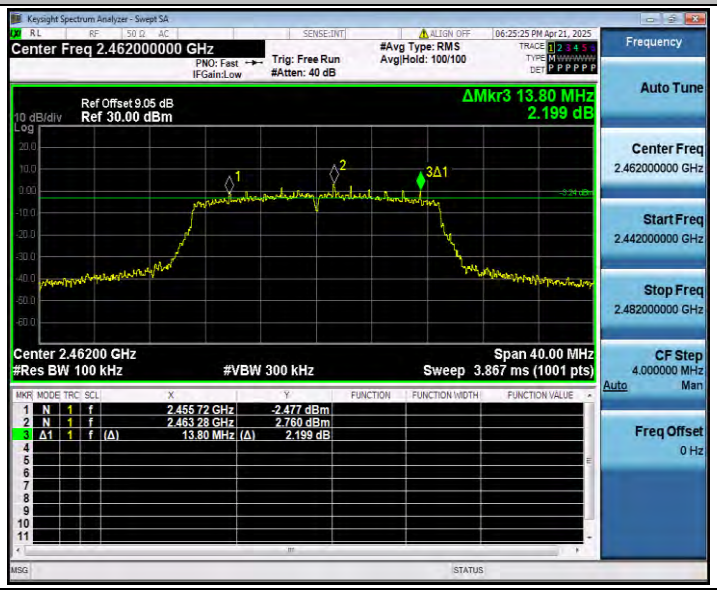
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



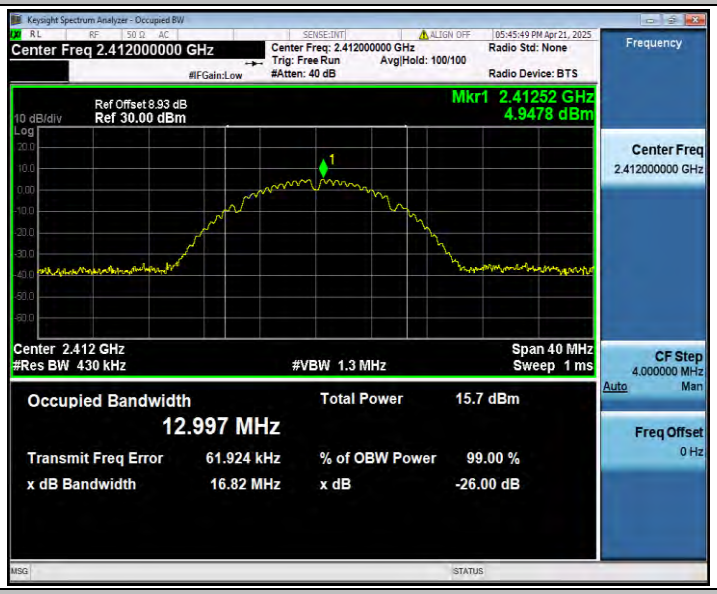
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.997	2405.5634	2418.5604	---	---
		2437	12.874	2430.6320	2443.5060	---	---
		2462	12.867	2455.6124	2468.4794	---	---
11G	Ant1	2412	16.880	2403.6051	2420.4851	---	---
		2437	16.810	2428.6627	2445.4727	---	---
		2462	16.801	2453.6426	2470.4436	---	---
11N20SISO	Ant1	2412	17.872	2403.0883	2420.9603	---	---
		2437	17.809	2428.1276	2445.9366	---	---
		2462	17.825	2453.1102	2470.9352	---	---

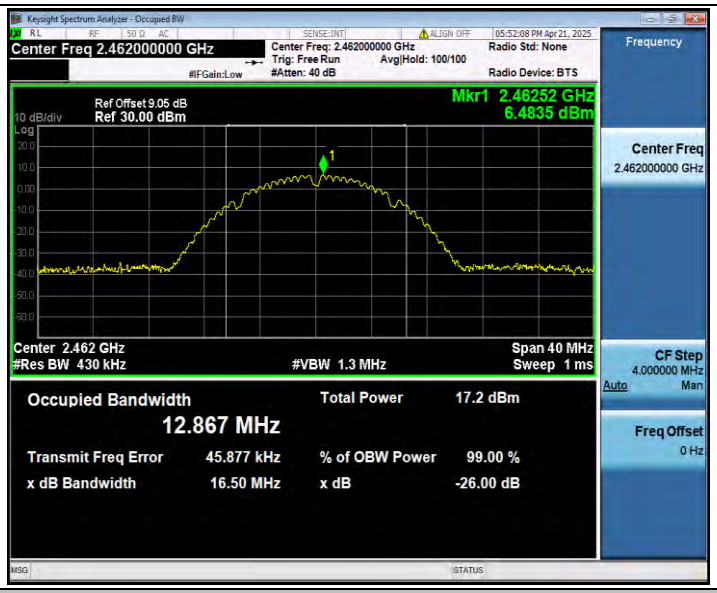
Test Graphs

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.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.69	≤30.00	PASS
		2437	16.75	≤30.00	PASS
		2462	17.20	≤30.00	PASS
11G	Ant1	2412	19.79	≤30.00	PASS
		2437	19.81	≤30.00	PASS
		2462	19.88	≤30.00	PASS
11N20SISO	Ant1	2412	18.71	≤30.00	PASS
		2437	19.76	≤30.00	PASS
		2462	19.76	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.08	≤8.00	PASS
		2437	-8.22	≤8.00	PASS
		2462	-8.93	≤8.00	PASS
11G	Ant1	2412	-11.99	≤8.00	PASS
		2437	-12.12	≤8.00	PASS
		2462	-10.82	≤8.00	PASS
11N20SISO	Ant1	2412	-13.23	≤8.00	PASS
		2437	-12.29	≤8.00	PASS
		2462	-12.34	≤8.00	PASS

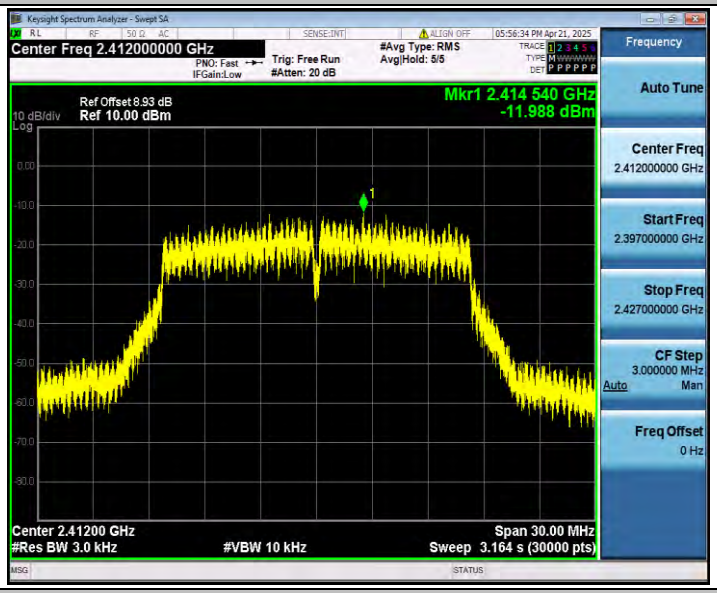
Test Graphs

11B_Ant1_2412

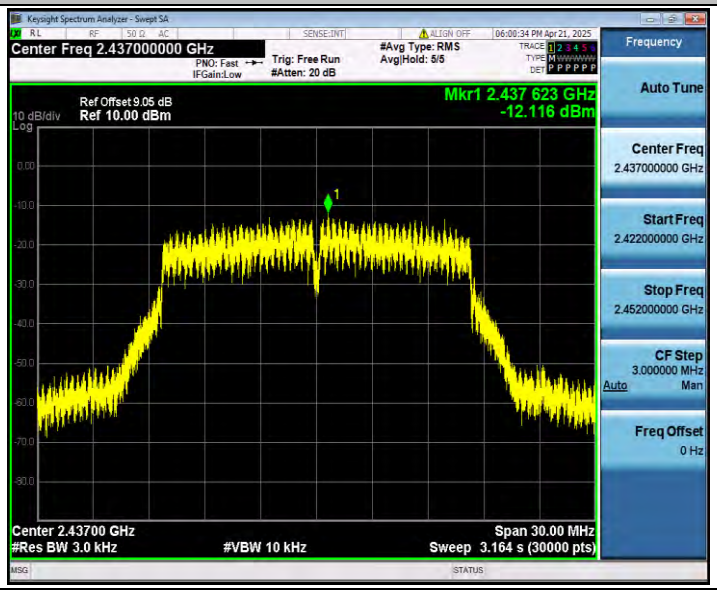
11B_Ant1_2437

11B_Ant1_2462

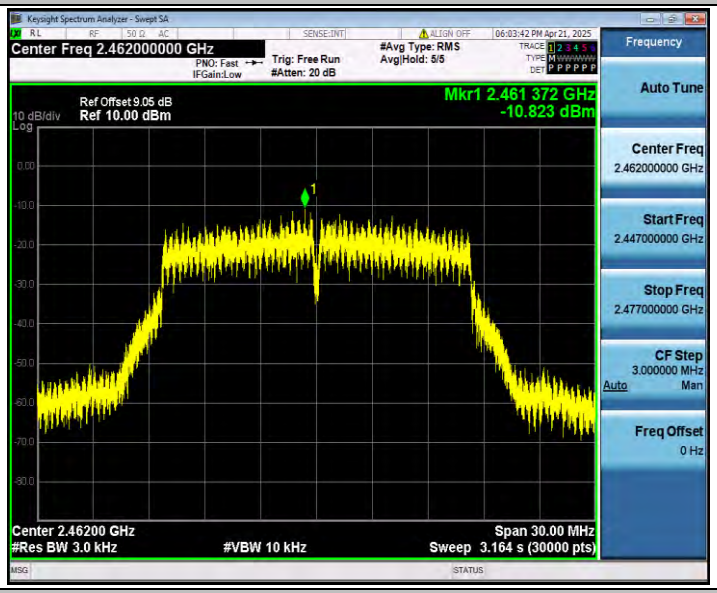
11G_Ant1_2412



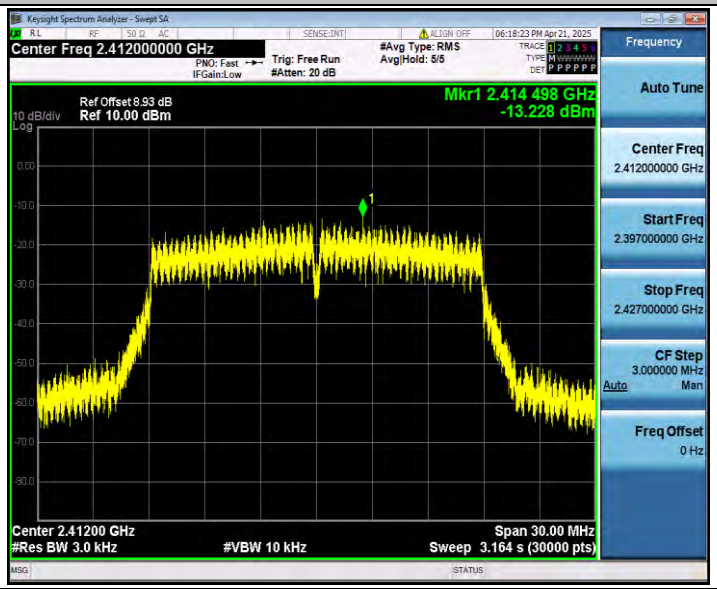
11G_Ant1_2437



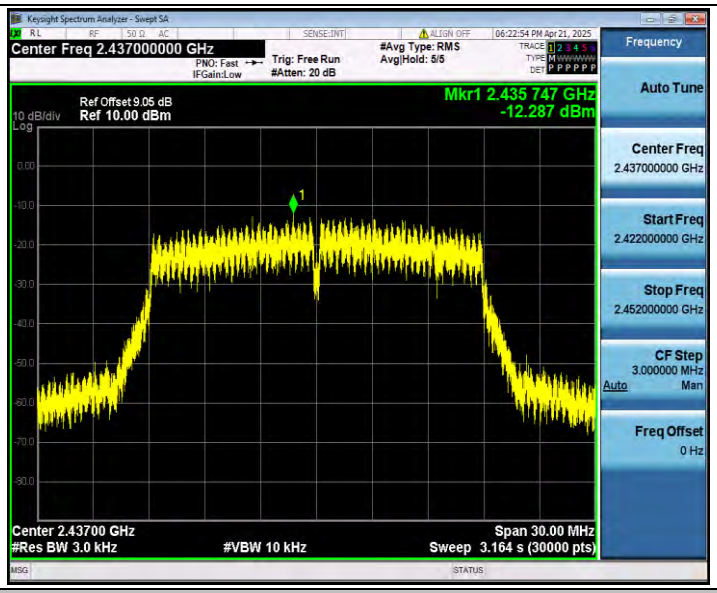
11G_Ant1_2462



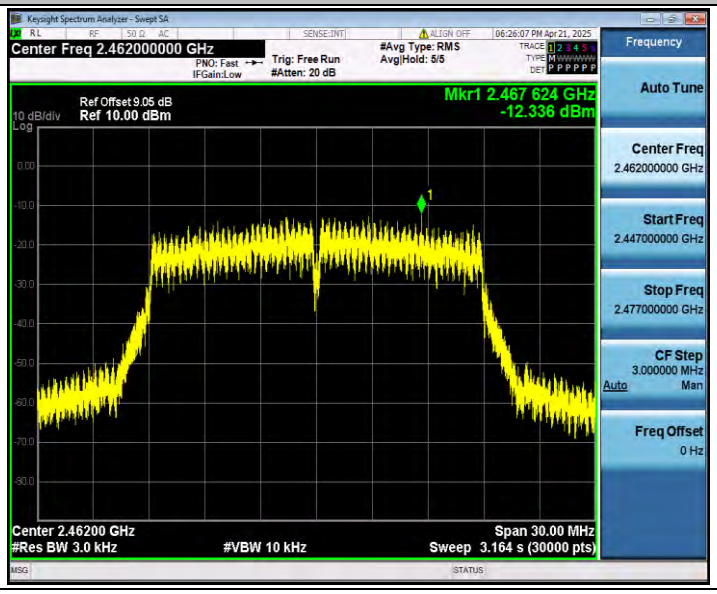
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



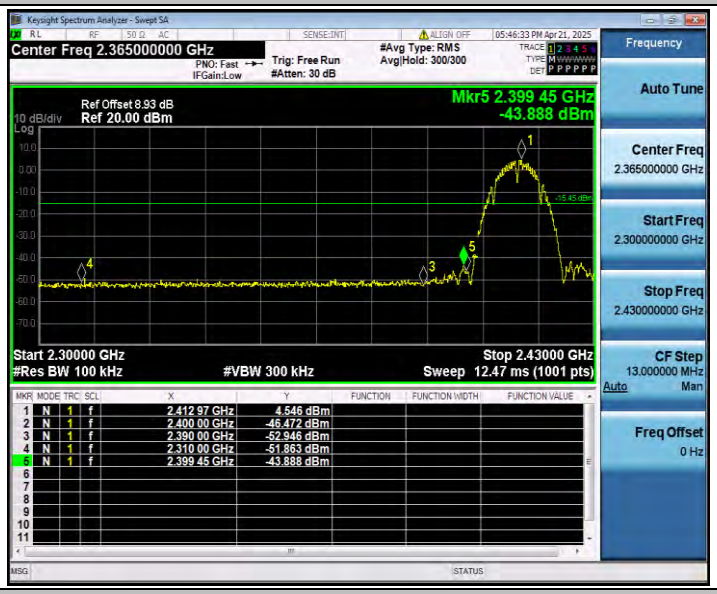
Appendix C.5: Band edge measurements

Test Result

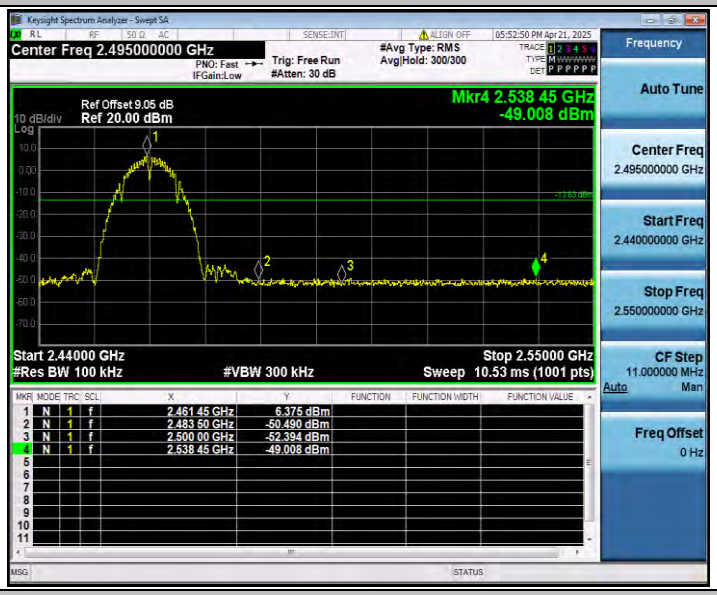
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.55	-43.89	≤-15.45	PASS
		High	2462	6.38	-49.01	≤-13.63	PASS
11G	Ant1	Low	2412	1.87	-30.98	≤-18.13	PASS
		High	2462	2.31	-48.02	≤-17.7	PASS
11N20SISO	Ant1	Low	2412	1.62	-34.82	≤-18.38	PASS
		High	2462	2.67	-47.65	≤-17.33	PASS

Test Graphs

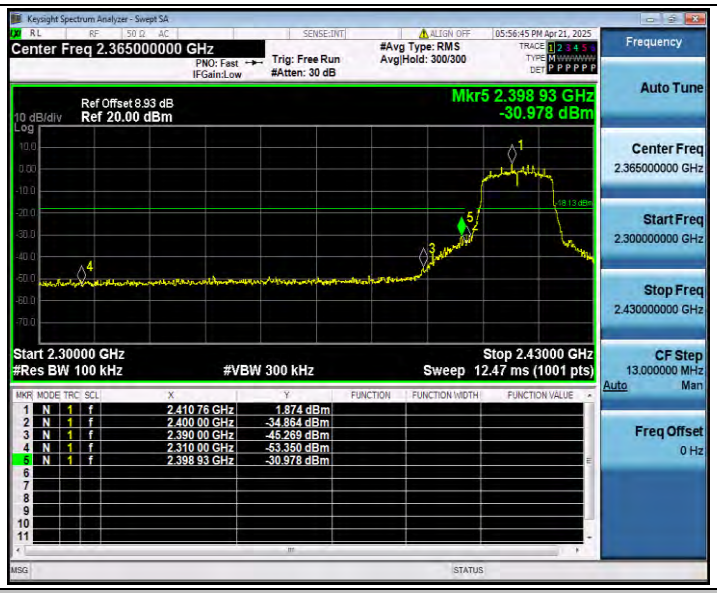
11B_Ant1_Low_2412



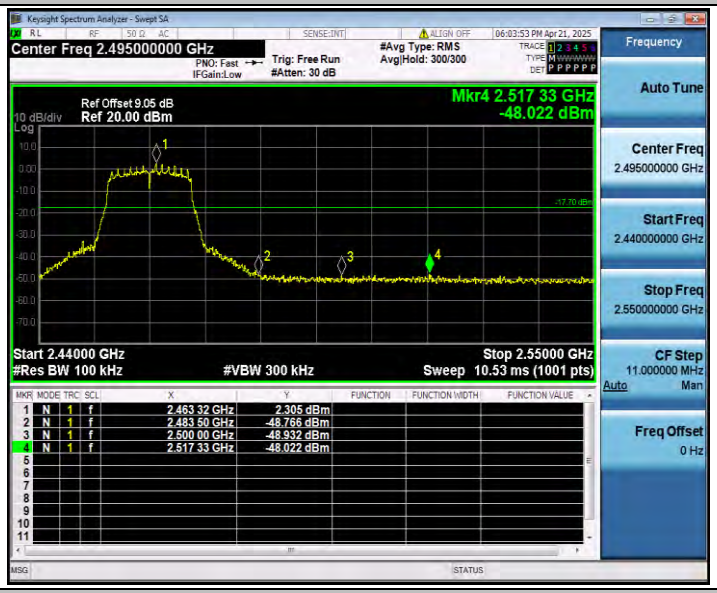
11B_Ant1_High_2462



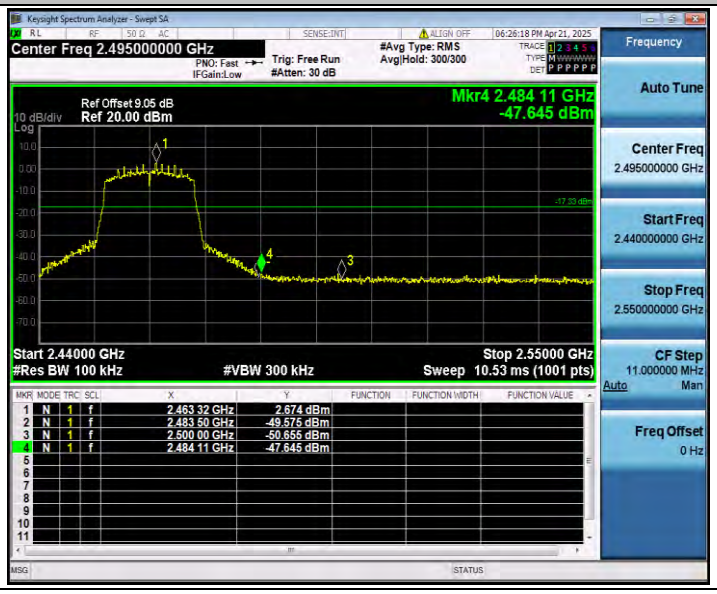
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

11N20SISO_Ant1_High_2462


Appendix C.6: Conducted Spurious Emission

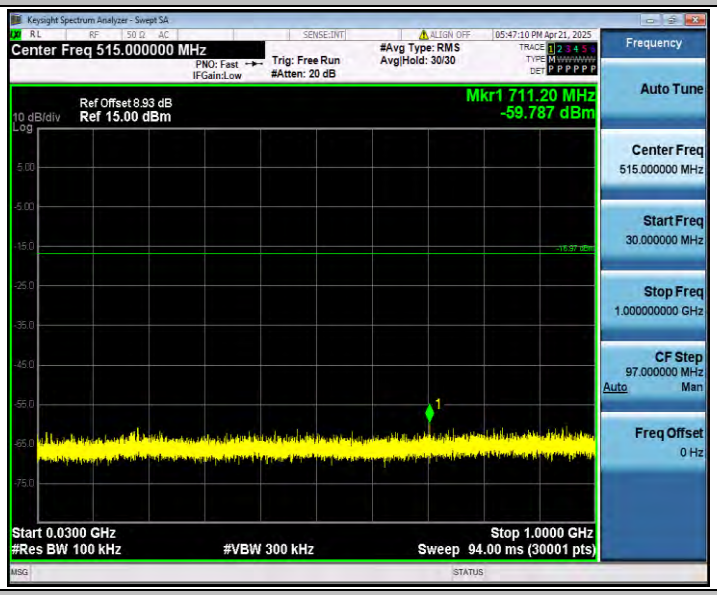
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.03	3.03	---	PASS
			30~1000	3.03	-59.79	≤-16.97	PASS
			1000~26500	3.03	-45.04	≤-16.97	PASS
		2437	Reference	4.28	4.28	---	PASS
			30~1000	4.28	-60.85	≤-15.72	PASS
			1000~26500	4.28	-45.07	≤-15.72	PASS
		2462	Reference	4.75	4.75	---	PASS
			30~1000	4.75	-61.31	≤-15.25	PASS
			1000~26500	4.75	-46.54	≤-15.25	PASS
11G	Ant1	2412	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-60.75	≤-19.85	PASS
			1000~26500	0.15	-47.37	≤-19.85	PASS
		2437	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-60.43	≤-21.25	PASS
			1000~26500	-1.25	-47.86	≤-21.25	PASS
		2462	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-60.88	≤-21.31	PASS
			1000~26500	-1.31	-47.18	≤-21.31	PASS
11N20SISO	Ant1	2412	Reference	-2.81	-2.81	---	PASS
			30~1000	-2.81	-60.68	≤-22.81	PASS
			1000~26500	-2.81	-46.59	≤-22.81	PASS
		2437	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-60.42	≤-21.16	PASS
			1000~26500	-1.16	-46.97	≤-21.16	PASS
		2462	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-60.93	≤-20.91	PASS
			1000~26500	-0.91	-47.77	≤-20.91	PASS

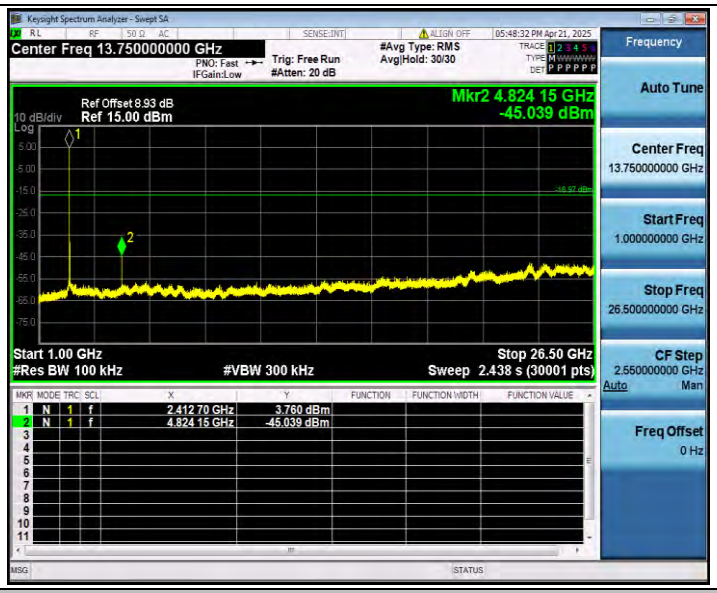
Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000



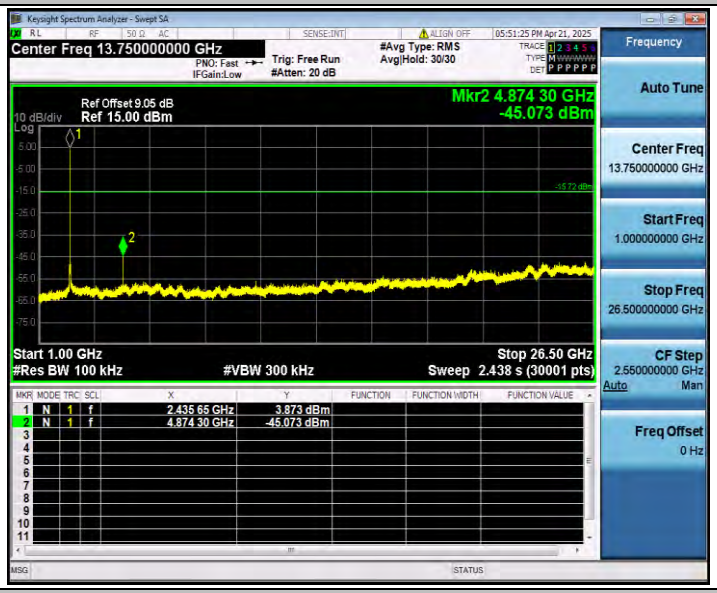
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference

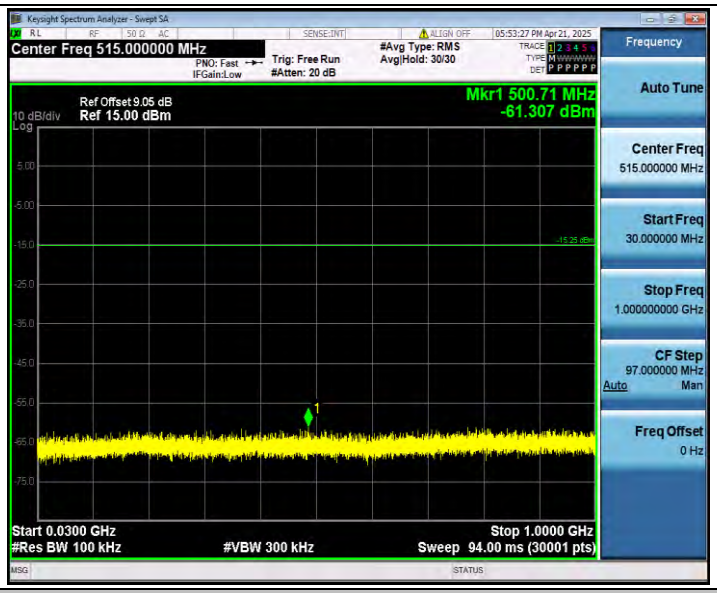
11B_Ant1_2437_30~1000

11B_Ant1_2437_1000~26500

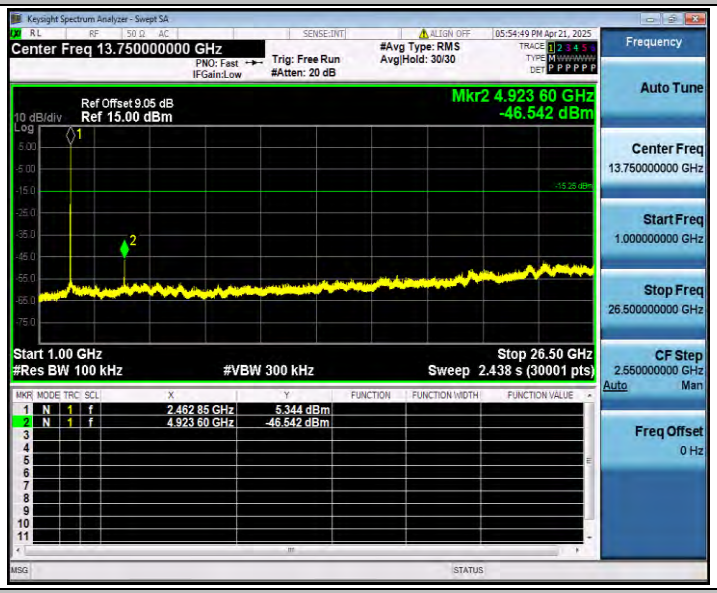


11B_Ant1_2462_0~Reference

11B_Ant1_2462_30~1000

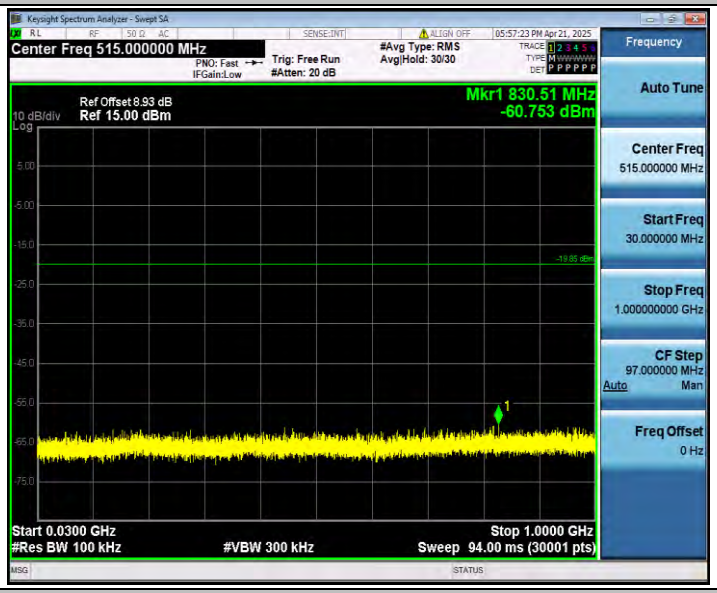


11B_Ant1_2462_1000~26500

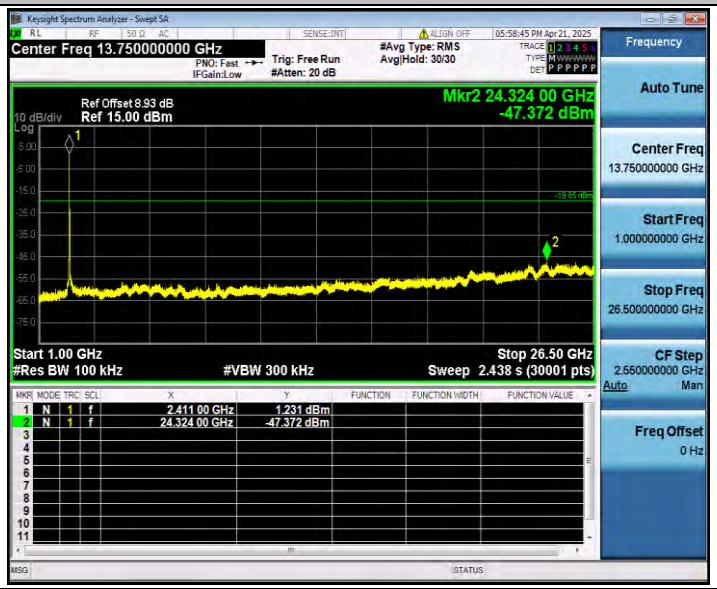


11G_Ant1_2412_0~Reference

11G_Ant1_2412_30~1000



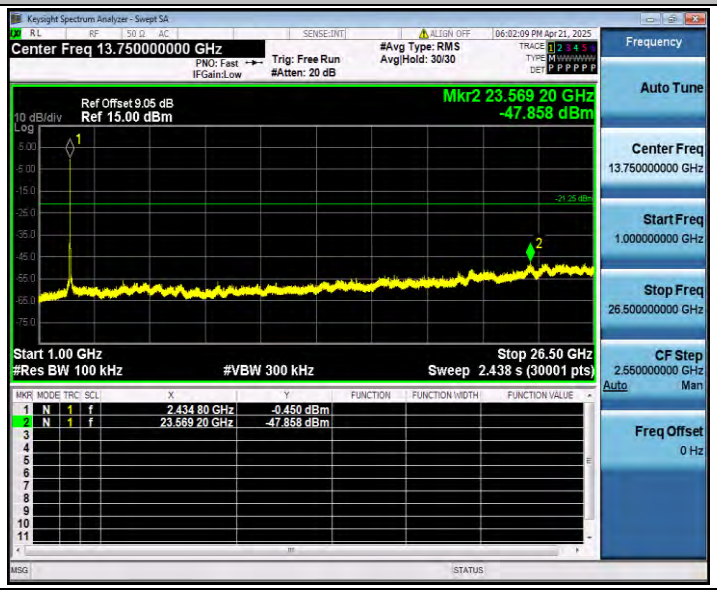
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

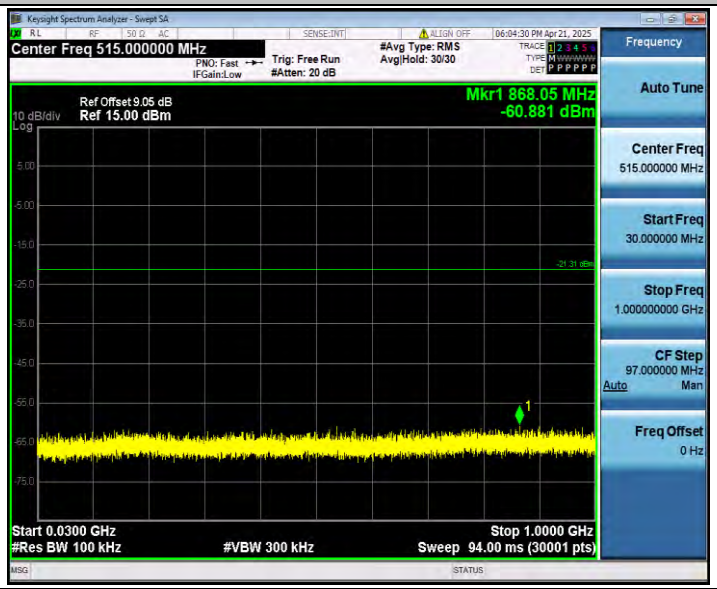
11G_Ant1_2437_30~1000

11G_Ant1_2437_1000~26500

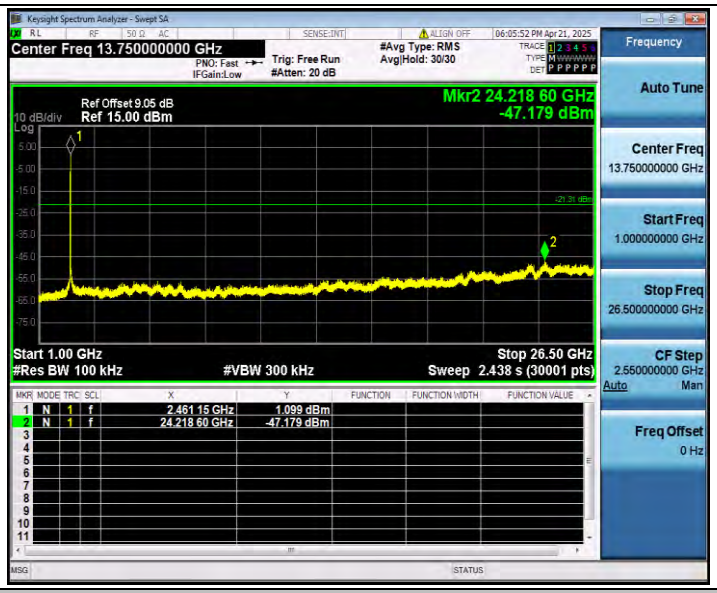


11G_Ant1_2462_0~Reference

11G_Ant1_2462_30~1000

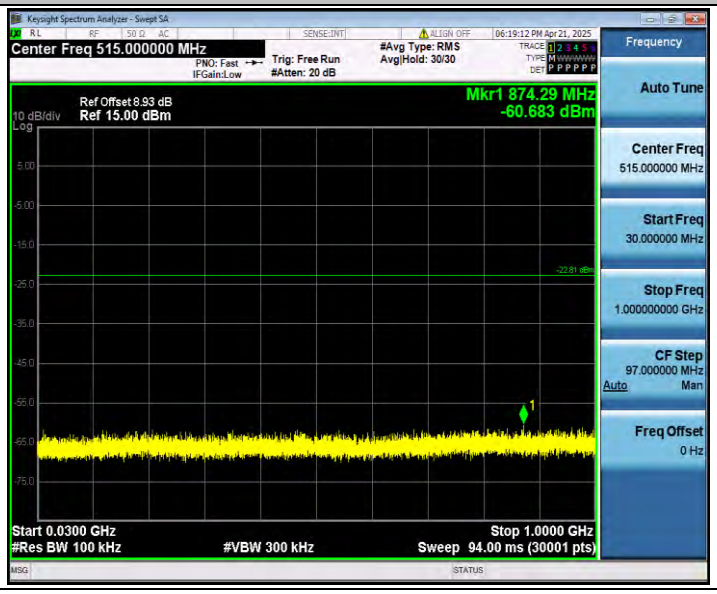


11G_Ant1_2462_1000~26500

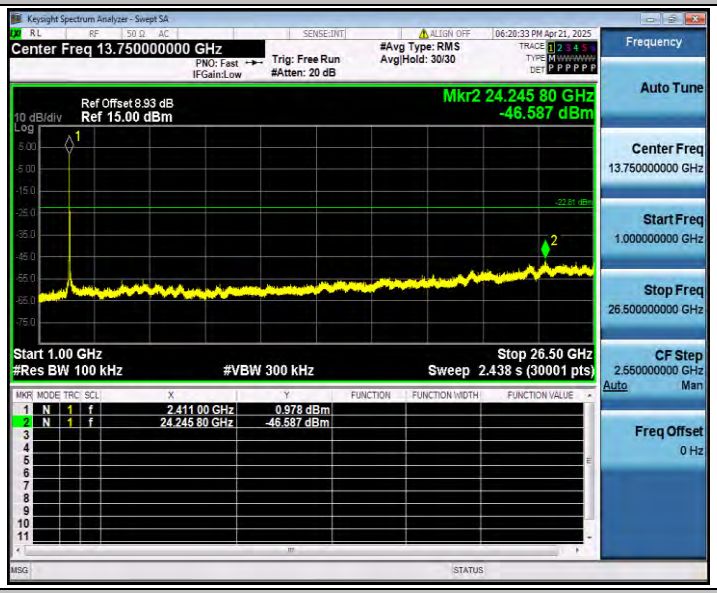


11N20SISO_Ant1_2412_0~Reference

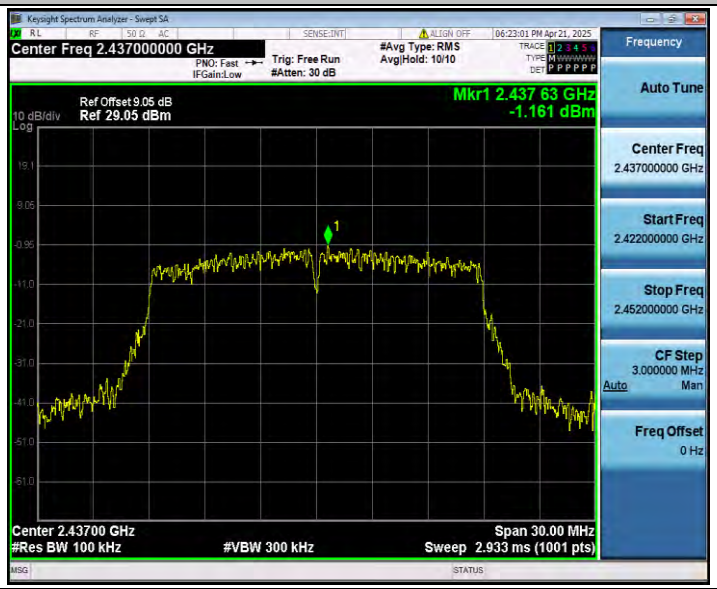
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500

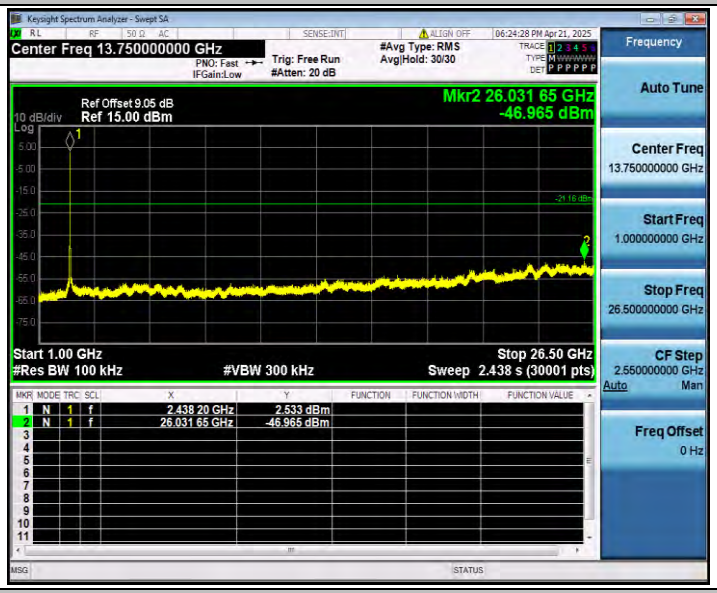


11N20SISO_Ant1_2437_0~Reference

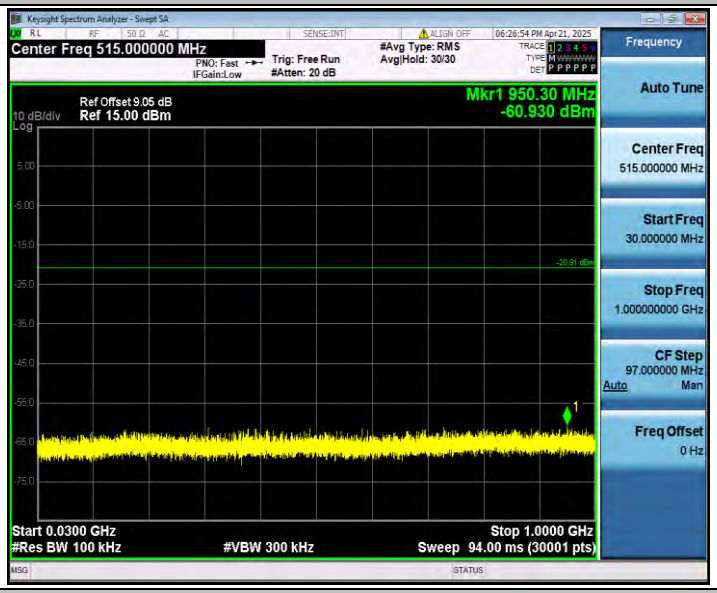


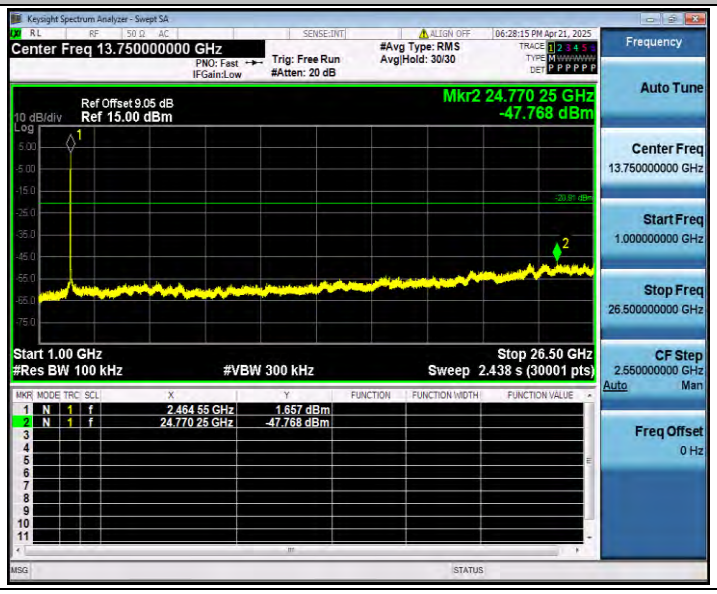
11N20SISO_Ant1_2437_30~1000

11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

11N20SISO_Ant1_2462_30~1000


11N20SISO_Ant1_2462_1000~26500


Appendix C.7: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.46	≤-41.20	45.74	≤54	PASS
				AV	2386.190	-48.29	≤-41.20	46.91	≤54	PASS
				AV	2390.000	-48.75	≤-41.20	46.45	≤54	PASS
				Peak	2310.000	-45.36	≤-21.20	49.84	≤74	PASS
				Peak	2344.460	-39.75	≤-21.20	55.45	≤74	PASS
				Peak	2390.000	-46.88	≤-21.20	48.32	≤74	PASS
		High	2462	AV	2483.500	-48.35	≤-41.20	46.85	≤54	PASS
				AV	2498.080	-48.15	≤-41.20	47.05	≤54	PASS
				AV	2500.000	-48.23	≤-41.20	46.97	≤54	PASS
				Peak	2483.500	-44.58	≤-21.20	50.62	≤74	PASS
				Peak	2499.730	-41.54	≤-21.20	53.66	≤74	PASS
				Peak	2500.000	-47.91	≤-21.20	47.29	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.24	≤-41.20	45.96	≤54	PASS
				AV	2389.960	-44.31	≤-41.20	50.89	≤54	PASS
				AV	2390.000	-44.31	≤-41.20	50.89	≤54	PASS
				Peak	2310.000	-44.91	≤-21.20	50.29	≤74	PASS
				Peak	2389.830	-37.77	≤-21.20	57.43	≤74	PASS
				Peak	2390.000	-40.66	≤-21.20	54.54	≤74	PASS
		High	2462	AV	2483.500	-45.64	≤-41.20	49.56	≤54	PASS
				AV	2483.560	-45.72	≤-41.20	49.48	≤54	PASS
				AV	2500.000	-47.4	≤-41.20	47.80	≤54	PASS
				Peak	2483.500	-41.99	≤-21.20	53.21	≤74	PASS
				Peak	2487.080	-39.12	≤-21.20	56.08	≤74	PASS
				Peak	2500.000	-39.47	≤-21.20	55.73	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.23	≤-41.20	45.97	≤54	PASS
				AV	2389.960	-44.25	≤-41.20	50.95	≤54	PASS
				AV	2390.000	-44.25	≤-41.20	50.95	≤54	PASS
				Peak	2310.000	-47.75	≤-21.20	47.45	≤74	PASS
				Peak	2389.180	-38.31	≤-21.20	56.89	≤74	PASS
				Peak	2390.000	-40.45	≤-21.20	54.75	≤74	PASS
		High	2462	AV	2483.500	-44.98	≤-41.20	50.22	≤54	PASS
				AV	2483.560	-45.06	≤-41.20	50.14	≤54	PASS
				AV	2500.000	-47.39	≤-41.20	47.81	≤54	PASS
				Peak	2483.500	-47.57	≤-21.20	47.63	≤74	PASS

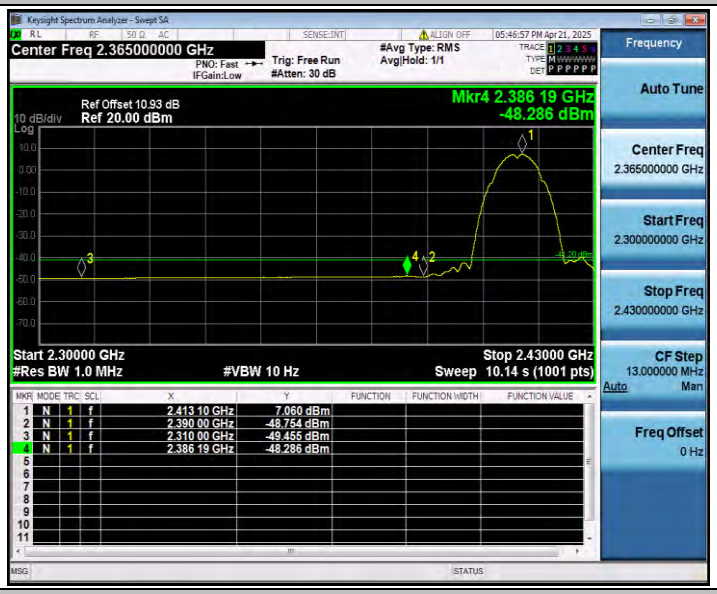
				Peak	2484.660	-36.63	≤-21.20	58.57	≤74	PASS
				Peak	2500.000	-44.54	≤-21.20	50.66	≤74	PASS

Note：

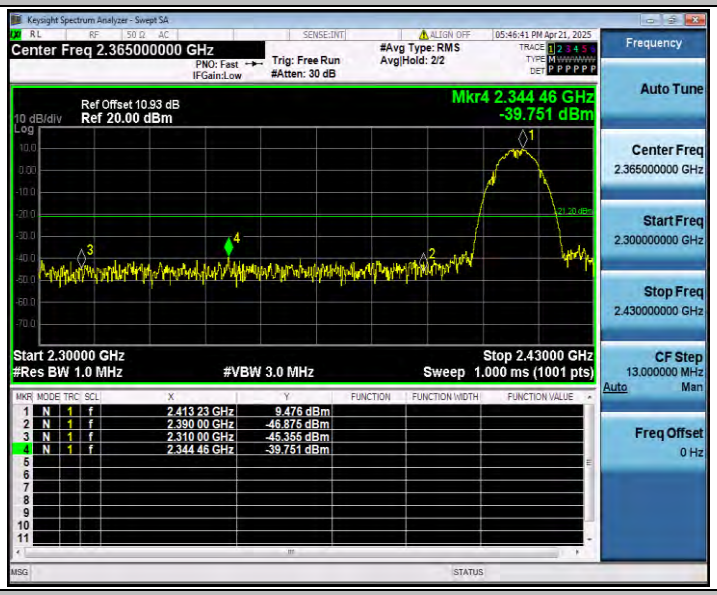
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

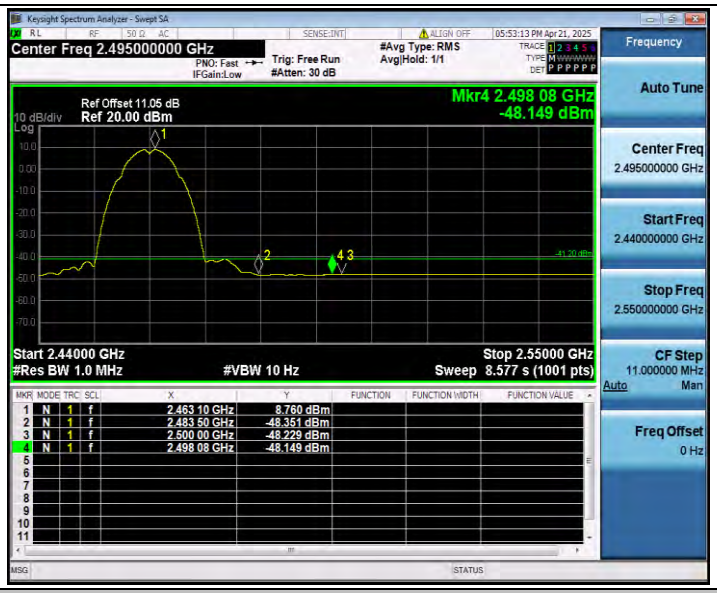
11B_Ant1_Low_2412_AV



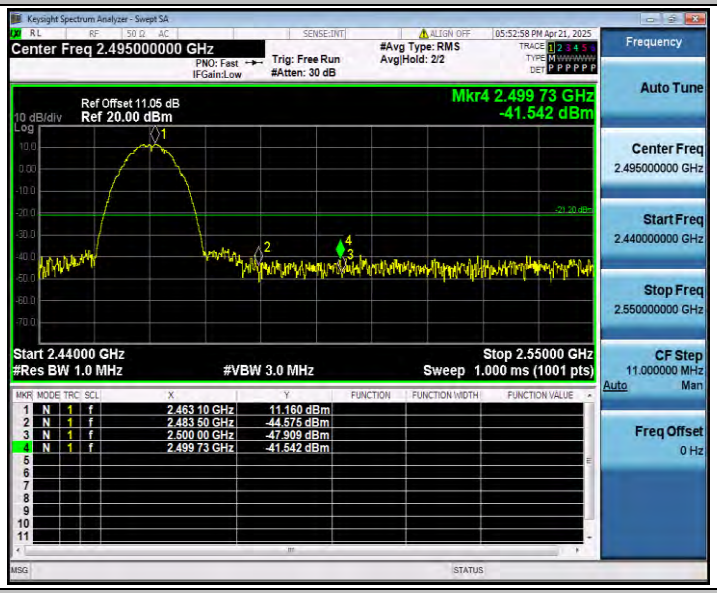
11B_Ant1_Low_2412_Peak



11B_Ant1_High_2462_AV



11B_Ant1_High_2462_Peak



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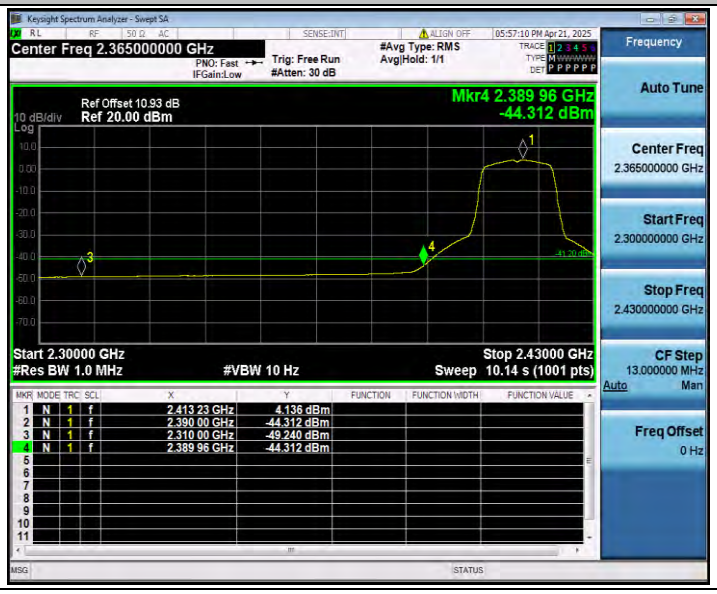
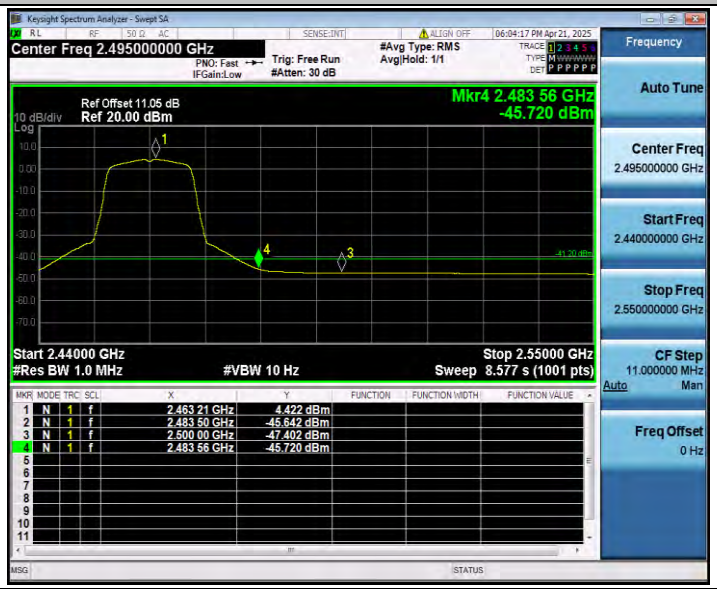


11G_Ant1_Low_2412_Peak

11G_Ant1_High_2462_AV



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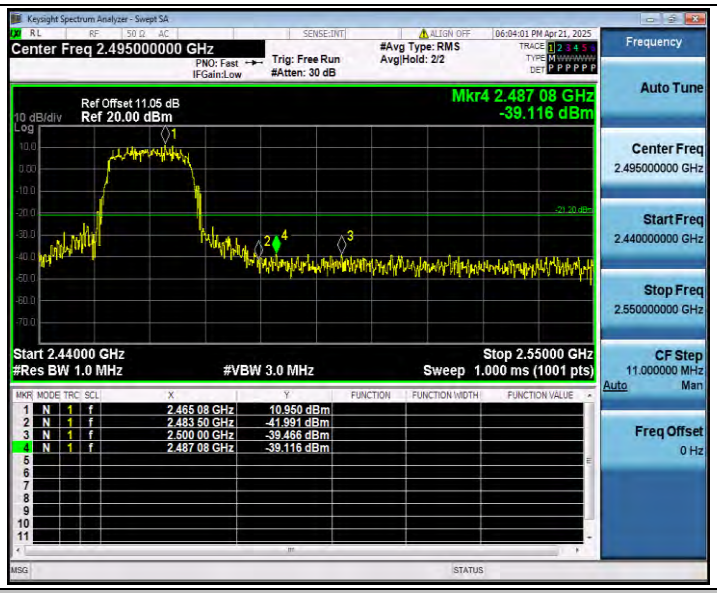
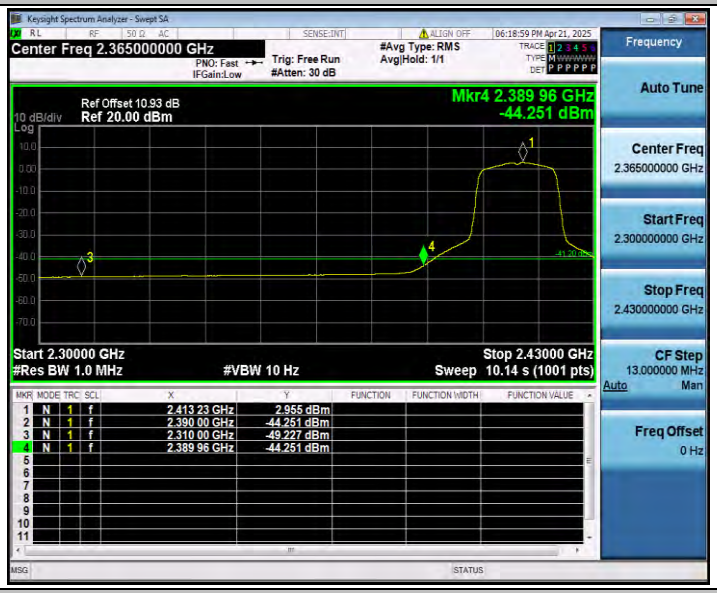


11N20SISO_Ant1_Low_2412_AV



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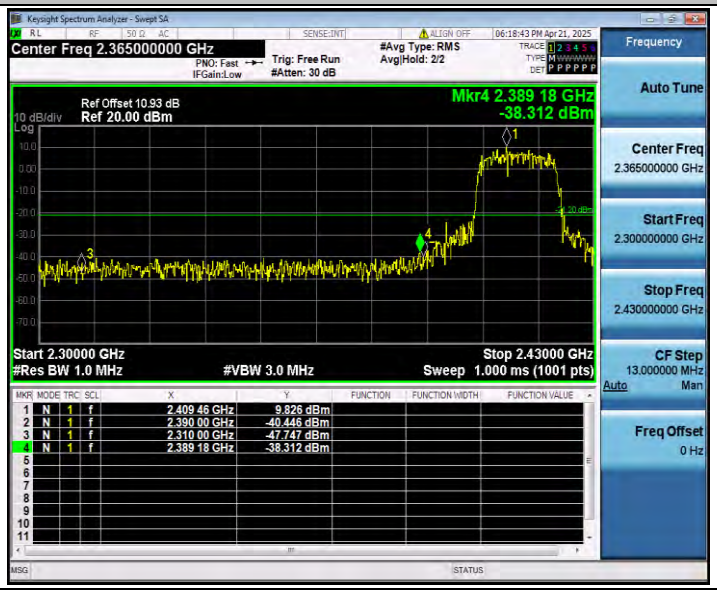

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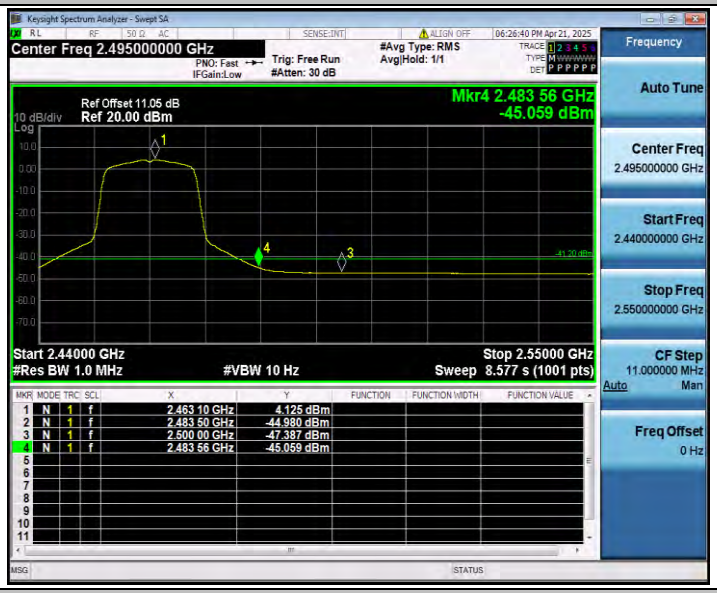
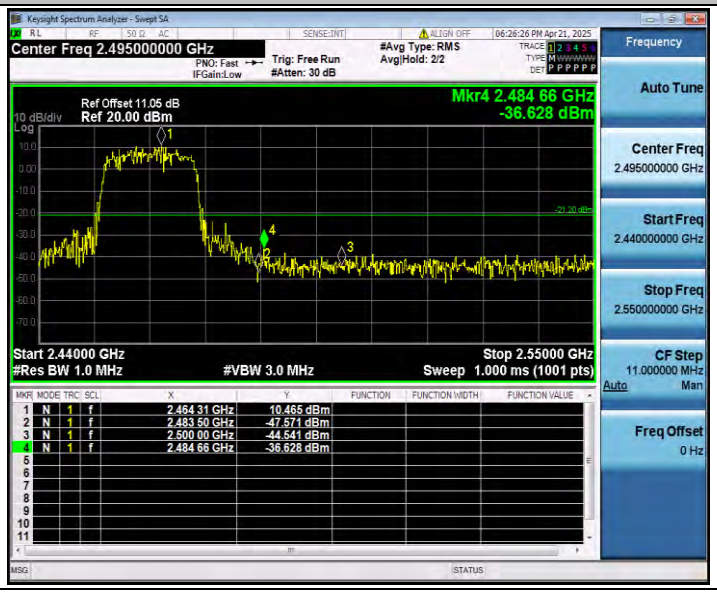
11N20SISO_Ant1_High_2462_Peak