

Case No. : <u>GTS20240320024-1-12</u>
Ambient Condition: <u>22 °C, 57 %RH,</u>
Test Date: <u>2024.4.22</u> Test Engineer: <u>Evan ouyang</u>

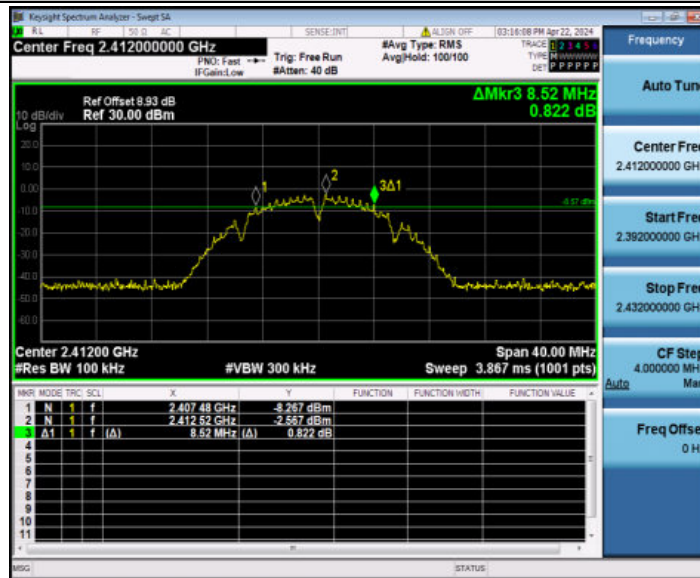
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.520	2407.480	2416.000	0.5	PASS
		2437	7.080	2433.480	2440.560	0.5	PASS
		2462	8.040	2457.480	2465.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	15.400	2429.120	2444.520	0.5	PASS
		2462	14.640	2453.840	2468.480	0.5	PASS
11N20SISO	Ant1	2412	16.280	2403.880	2420.160	0.5	PASS
		2437	15.080	2429.440	2444.520	0.5	PASS
		2462	16.280	2453.240	2469.520	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.400	2439.840	0.5	PASS
		2437	35.120	2419.400	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

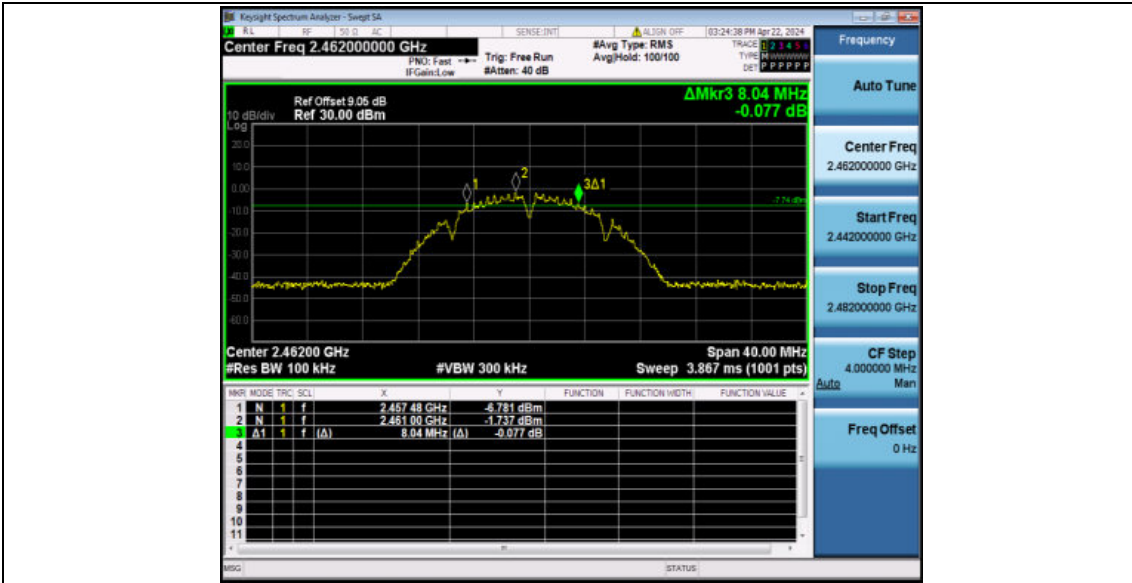
11B_Ant1_2412



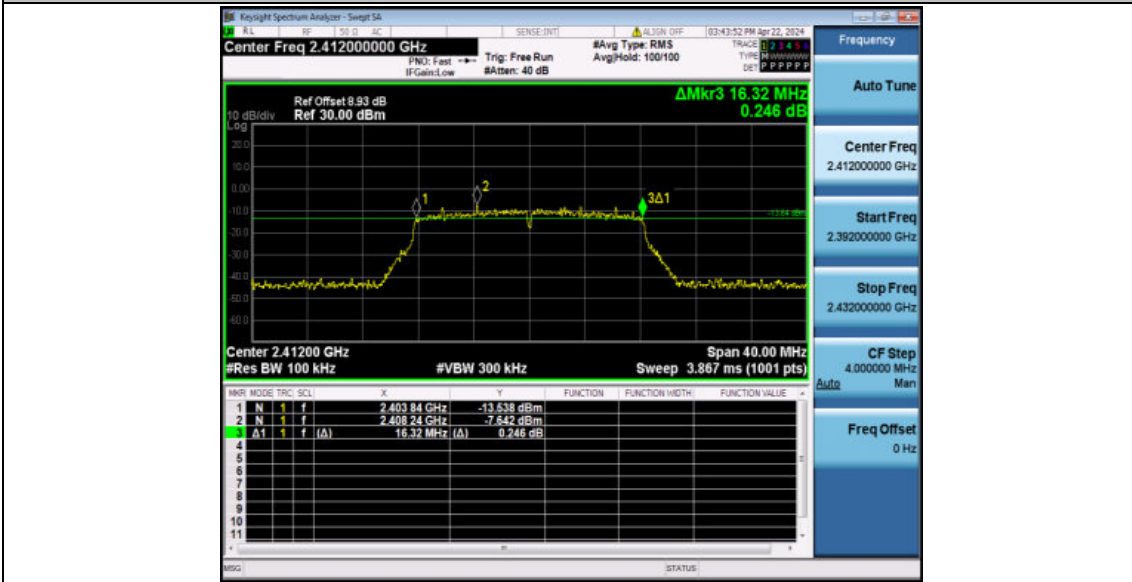
11B_Ant1_2437



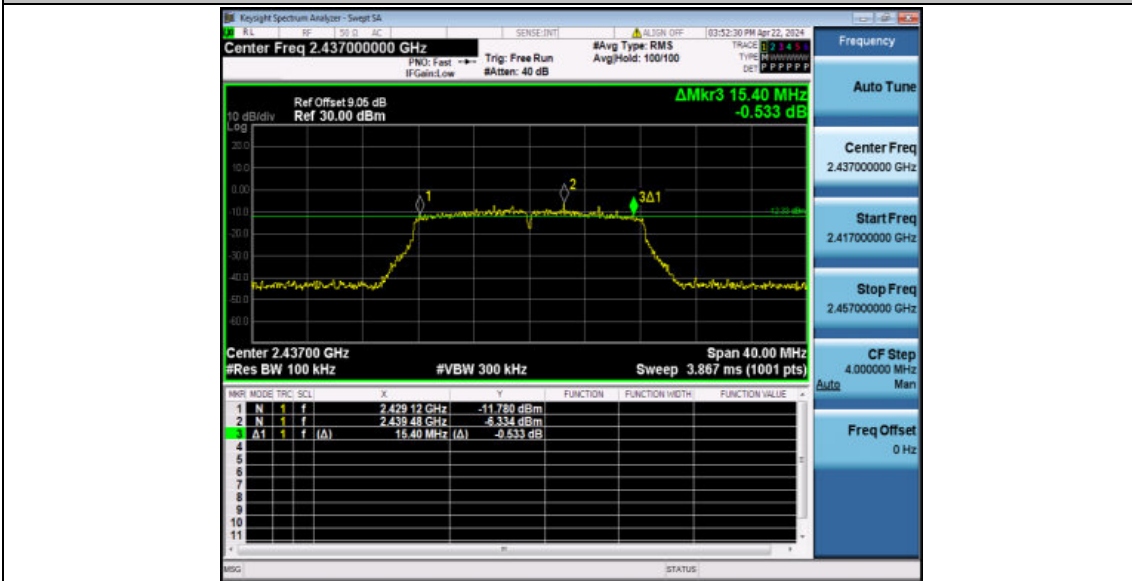
11B_Ant1_2462



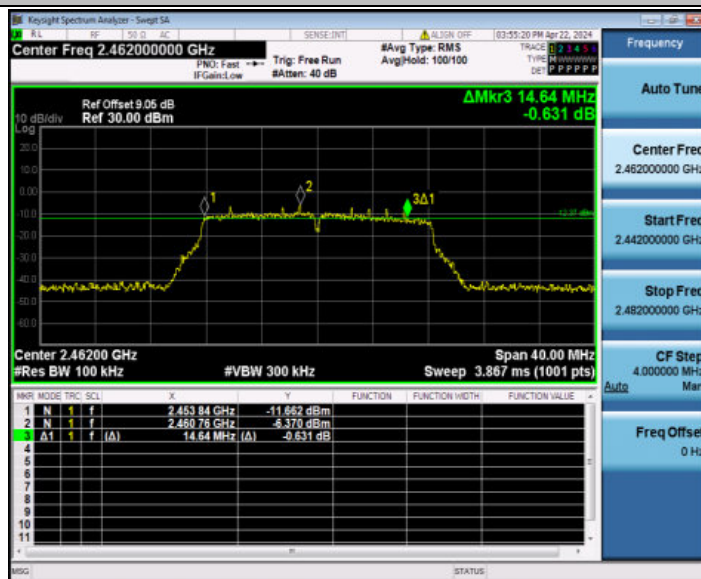
11G_Ant1_2412



11G_Ant1_2437



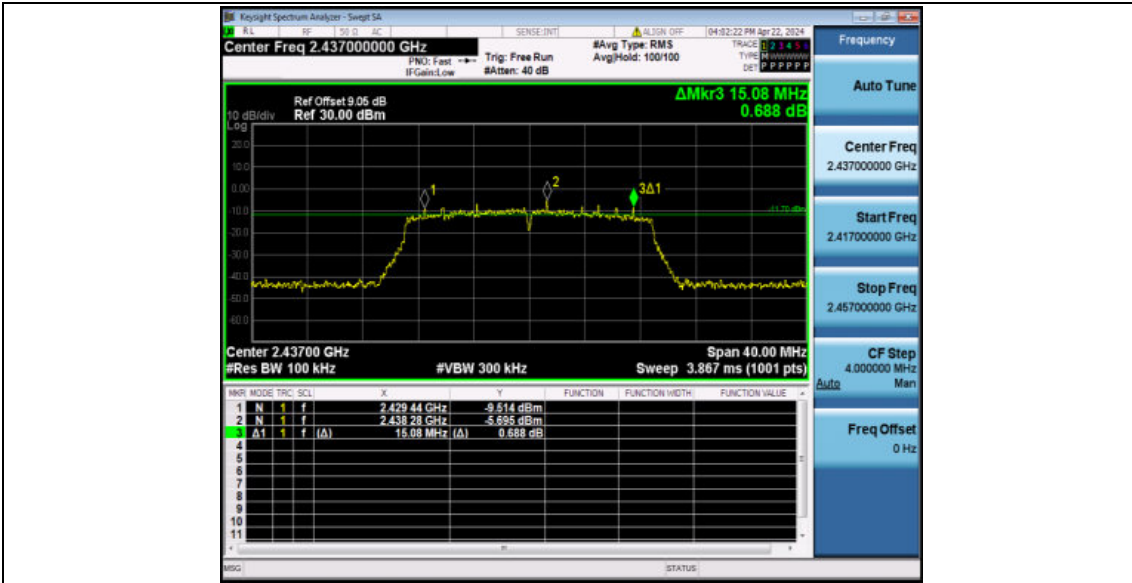
11G_Ant1_2462



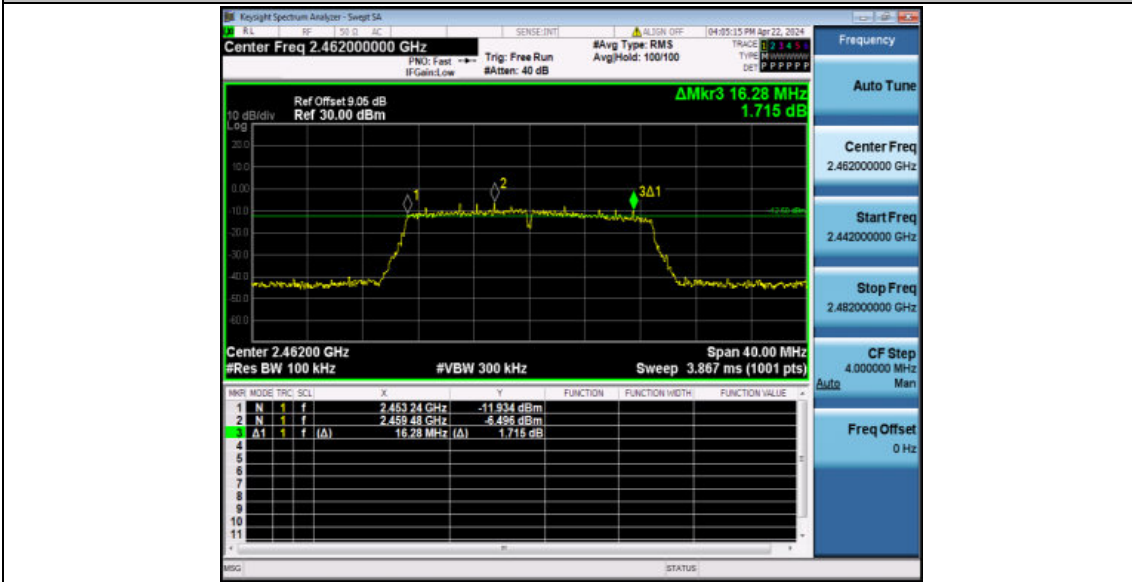
11N20SISO_Ant1_2412



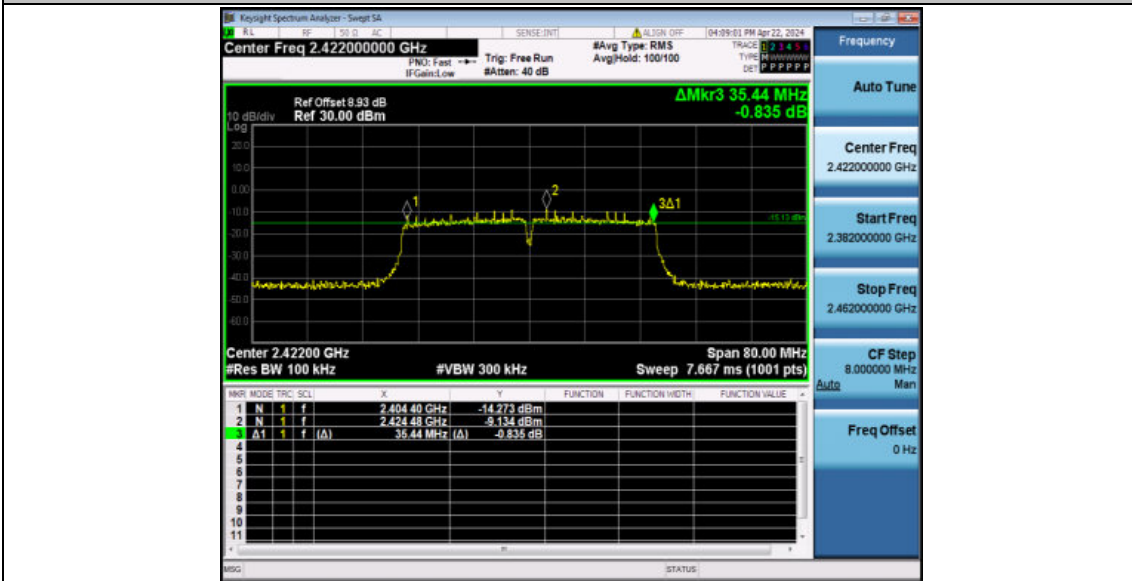
11N20SISO_Ant1_2437



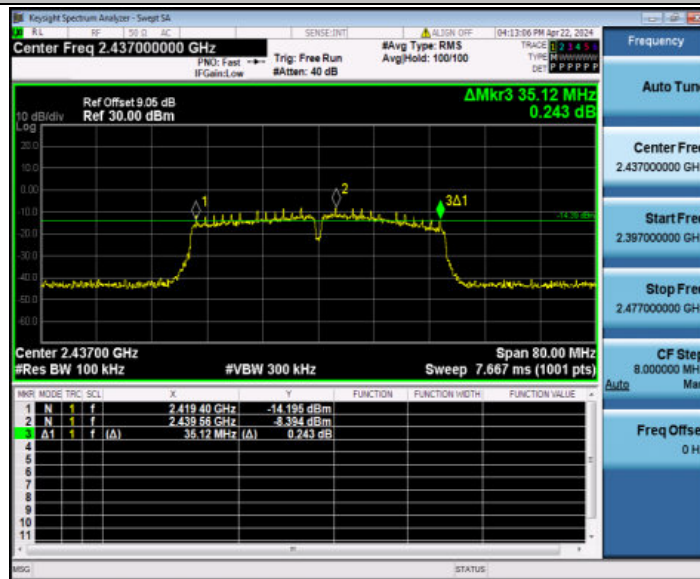
11N20SISO_Ant1_2462



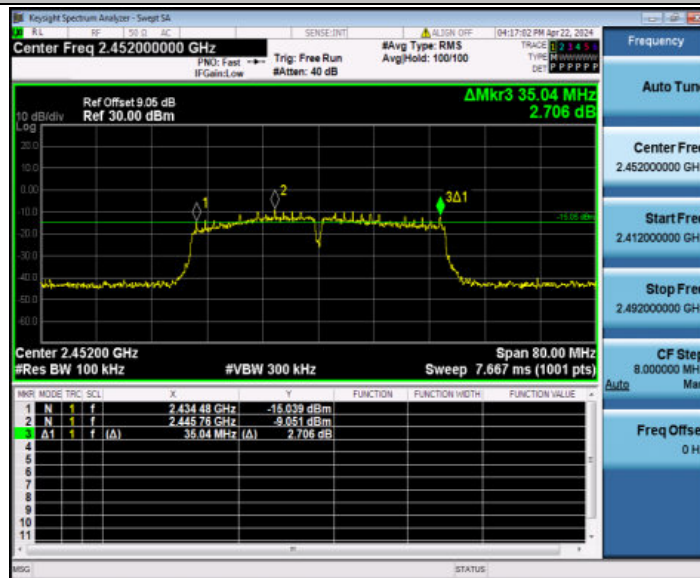
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



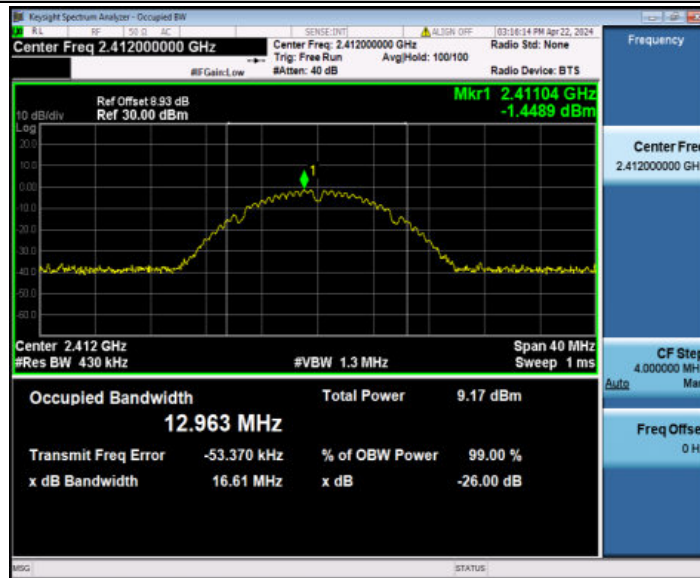
Appendix C.2: Occupied Channel Bandwidth

Test Result

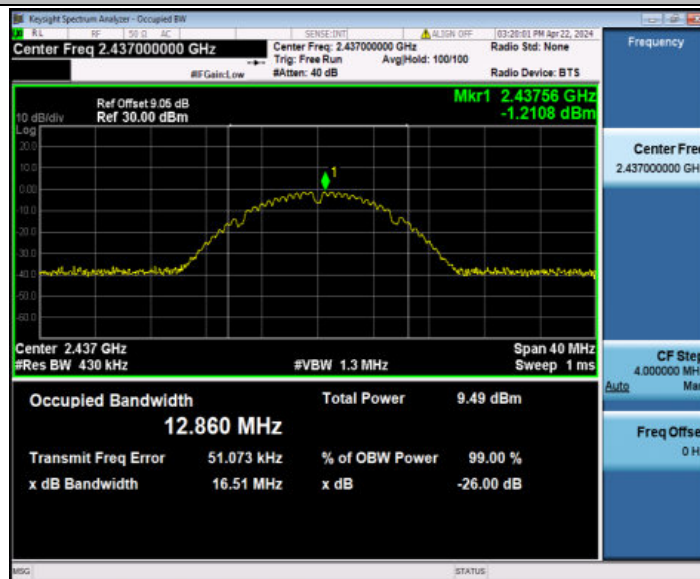
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.963	2405.4651	2418.4281	---	---
		2437	12.860	2430.6211	2443.4811	---	---
		2462	13.102	2455.3235	2468.4255	---	---
11G	Ant1	2412	16.893	2403.5836	2420.4766	---	---
		2437	16.886	2428.5462	2445.4322	---	---
		2462	17.010	2453.3680	2470.3780	---	---
11N20SISO	Ant1	2412	17.865	2403.0610	2420.9260	---	---
		2437	17.808	2428.1182	2445.9262	---	---
		2462	17.928	2452.9520	2470.8800	---	---
11N40SISO	Ant1	2422	36.419	2403.9118	2440.3308	---	---
		2437	35.978	2418.8774	2454.8554	---	---
		2452	36.075	2434.1651	2470.2401	---	---

Test Graphs

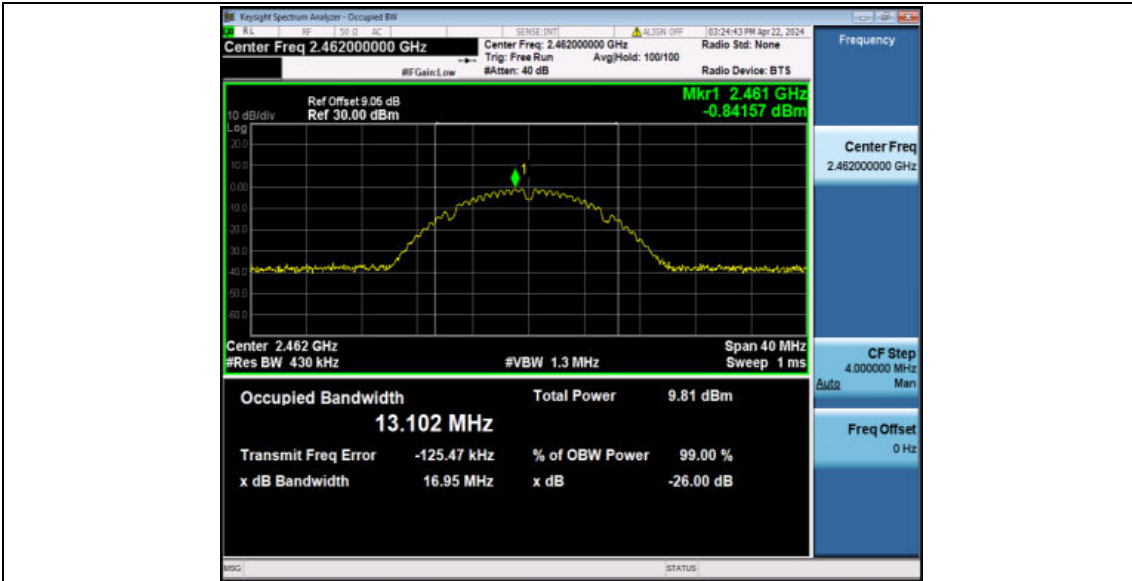
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



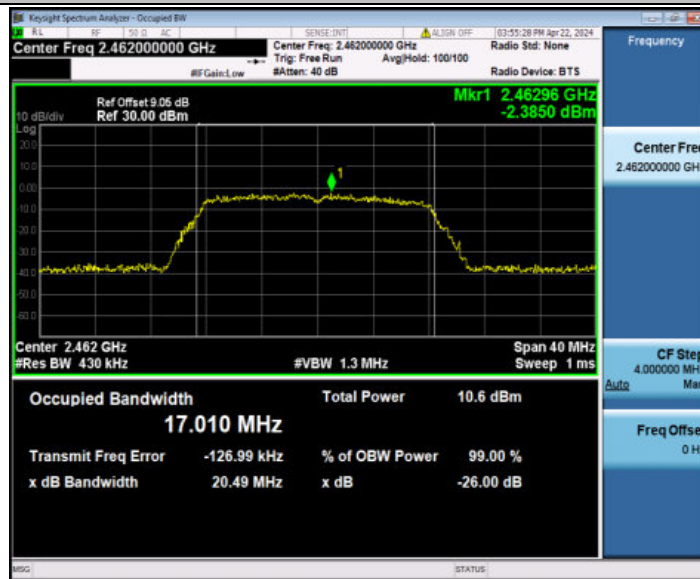
11G_Ant1_2412



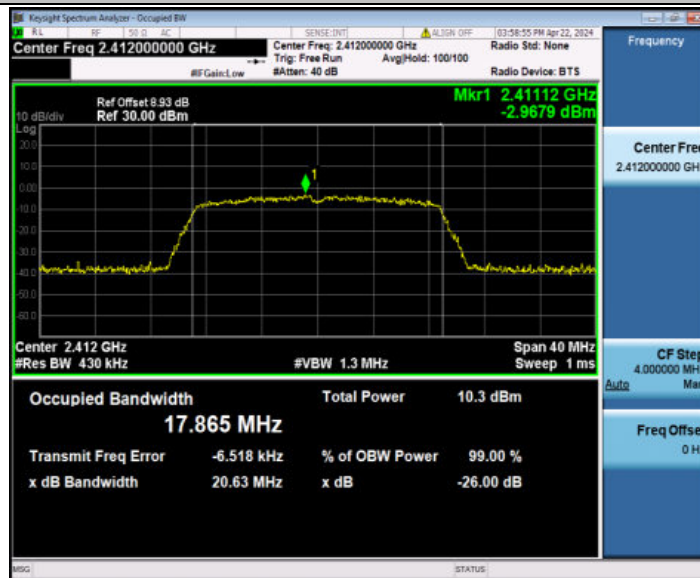
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



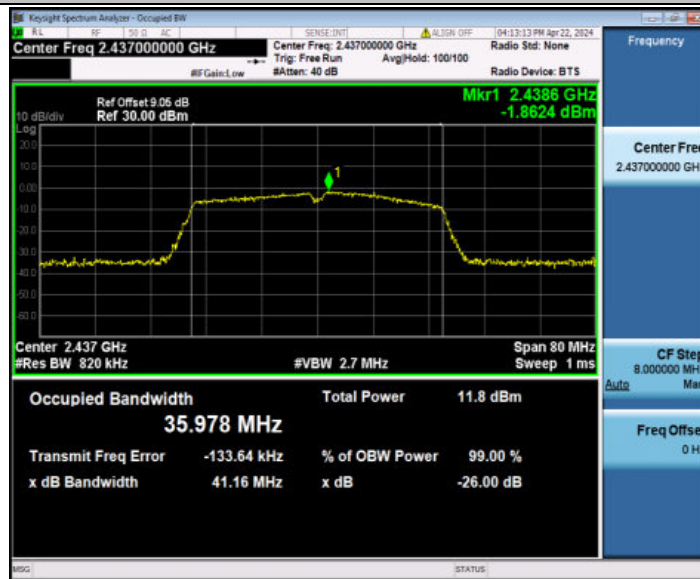
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result -CHP

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.67	≤30.00	PASS
		2437	8.33	≤30.00	PASS
		2462	8.85	≤30.00	PASS
11G	Ant1	2412	8.81	≤30.00	PASS
		2437	8.45	≤30.00	PASS
		2462	8.98	≤30.00	PASS
11N20SISO	Ant1	2412	8.70	≤30.00	PASS
		2437	8.40	≤30.00	PASS
		2462	8.89	≤30.00	PASS
11N40SISO	Ant1	2422	8.09	≤30.00	PASS
		2437	8.76	≤30.00	PASS
		2452	8.98	≤30.00	PASS

Note:

1.The Duty Cycle Factor and RBW Factor is compensated in the datC.

Appendix C.4: Maximum power spectral density

Test Result

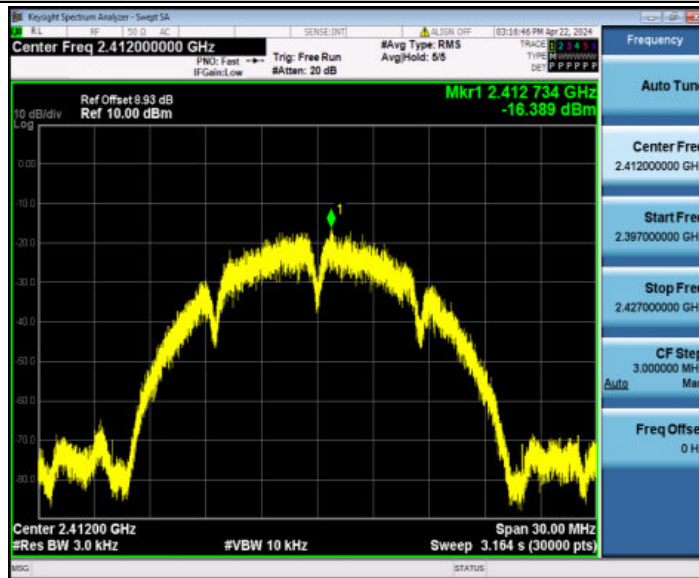
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.39	≤8.00	PASS
		2437	-14.83	≤8.00	PASS
		2462	-15.18	≤8.00	PASS
11G	Ant1	2412	-20.68	≤8.00	PASS
		2437	-20.24	≤8.00	PASS
		2462	-19.95	≤8.00	PASS
11N20SISO	Ant1	2412	-20.79	≤8.00	PASS
		2437	-20.70	≤8.00	PASS
		2462	-20.14	≤8.00	PASS
11N40SISO	Ant1	2422	-23.21	≤8.00	PASS
		2437	-21.16	≤8.00	PASS
		2452	-23.27	≤8.00	PASS

Note:

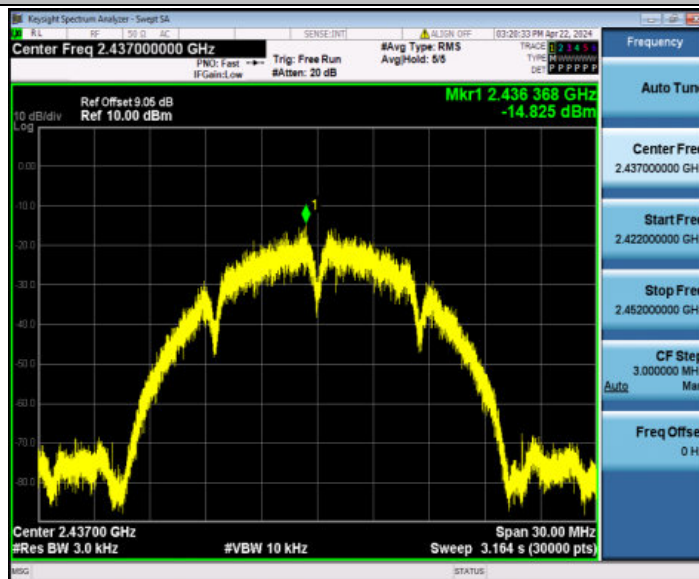
1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

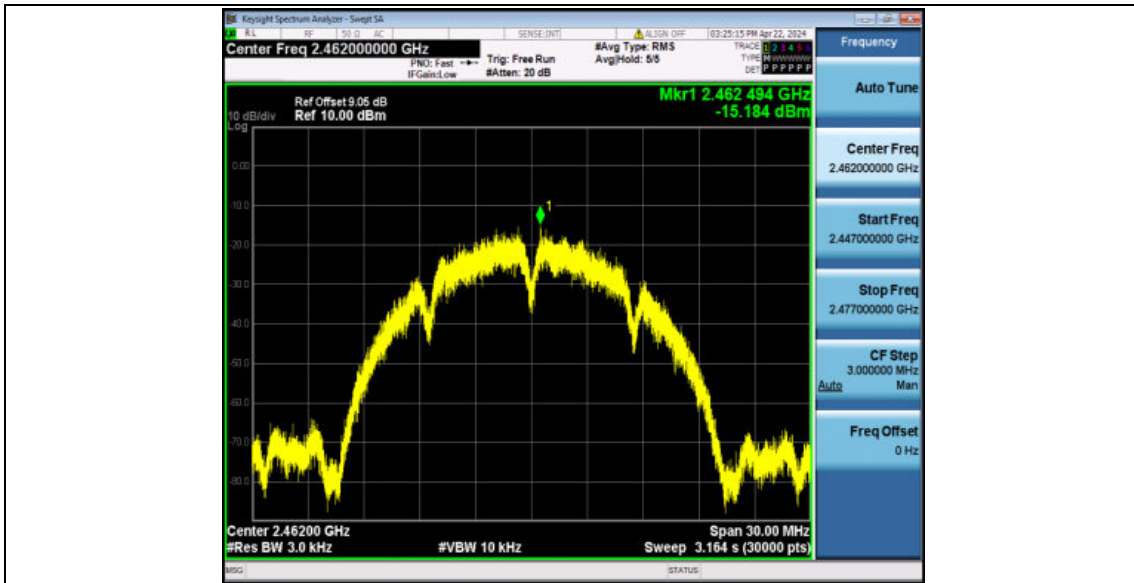
11B_Ant1_2412



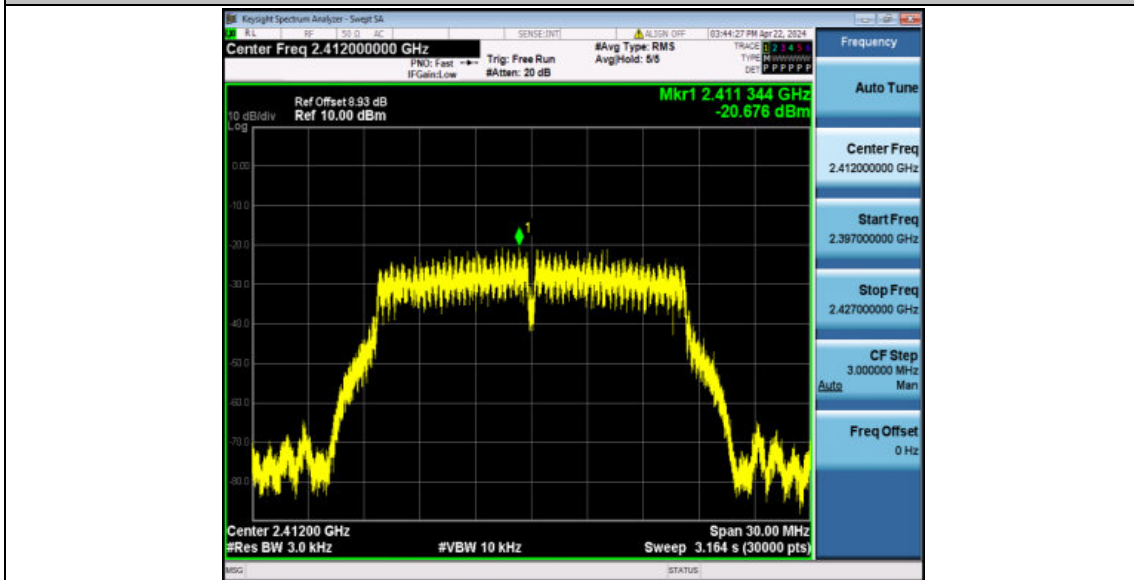
11B_Ant1_2437



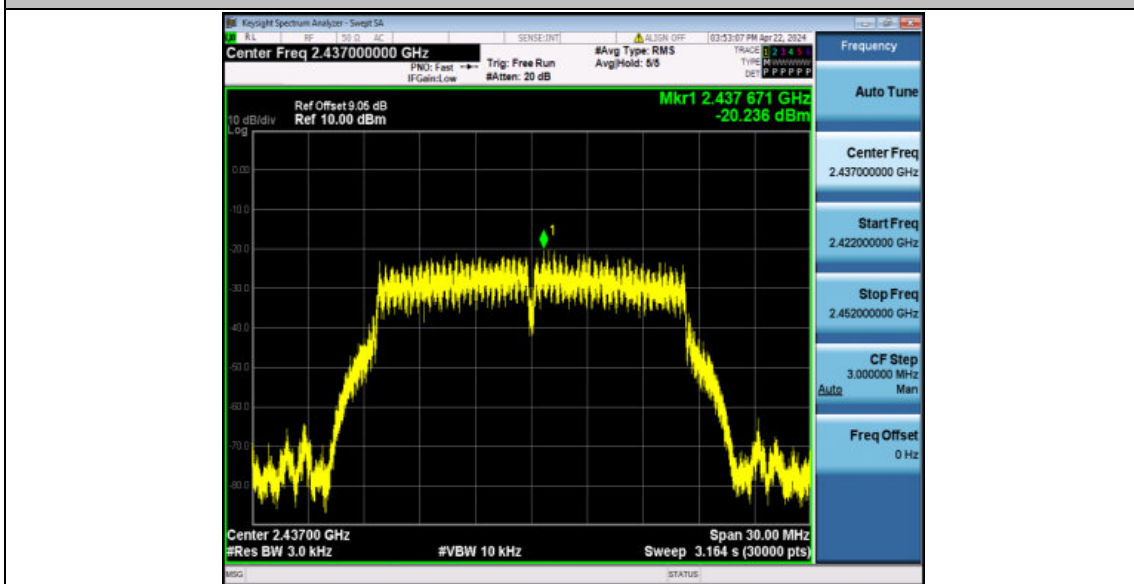
11B_Ant1_2462



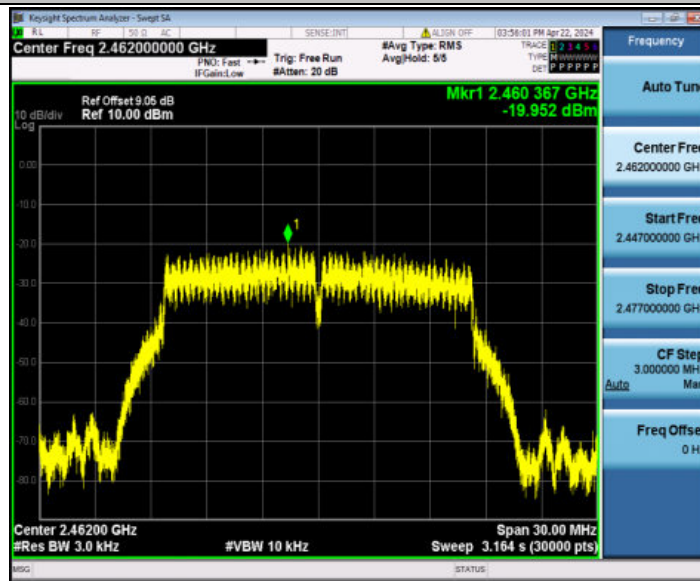
11G_Ant1_2412



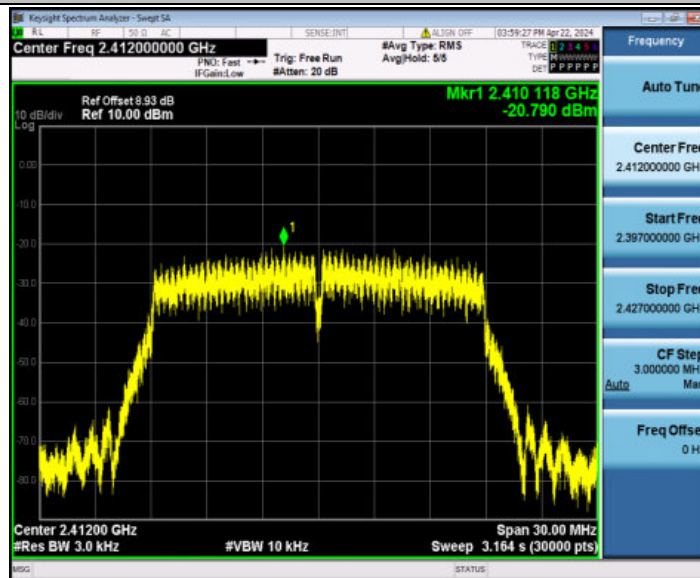
11G_Ant1_2437



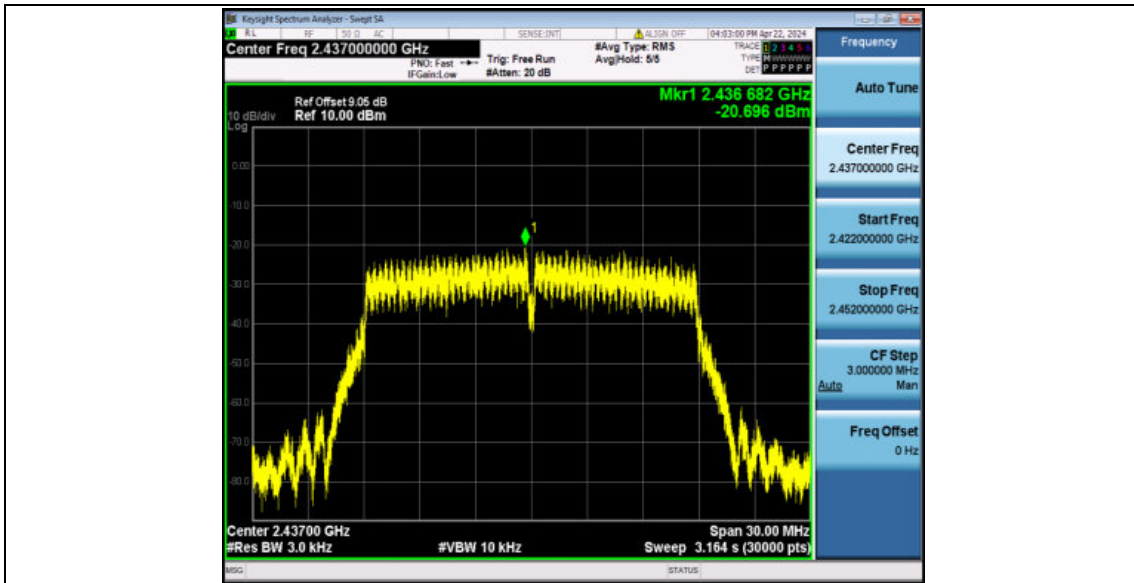
11G_Ant1_2462



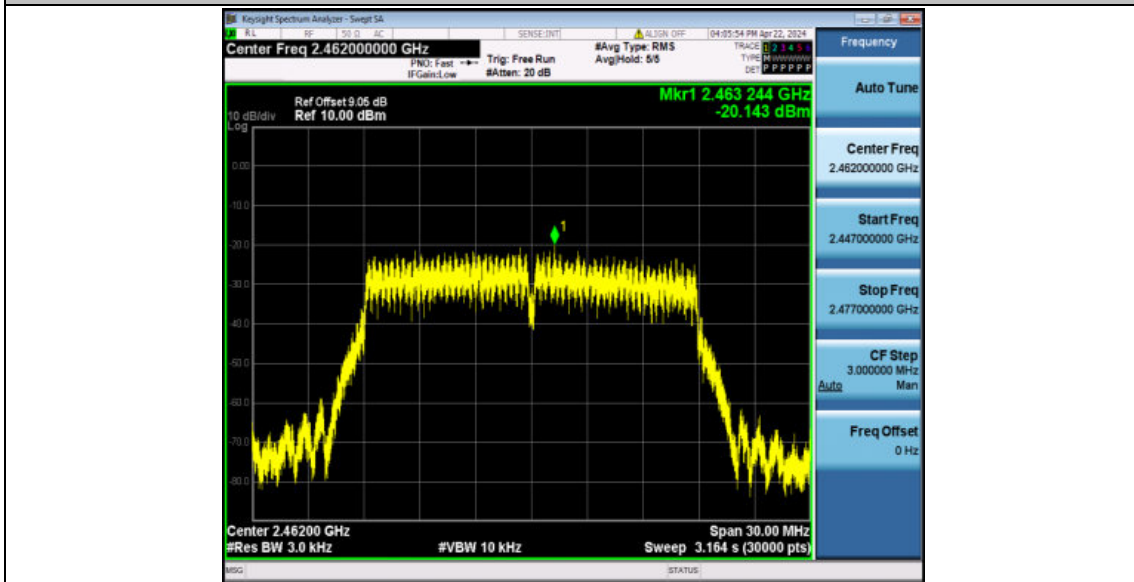
11N20SISO_Ant1_2412



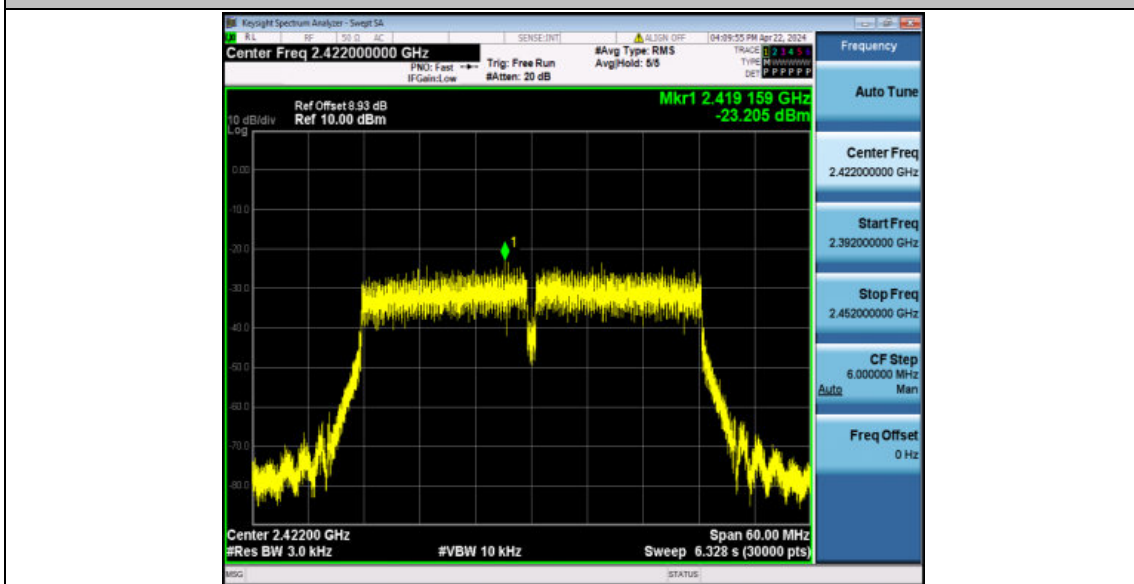
11N20SISO_Ant1_2437



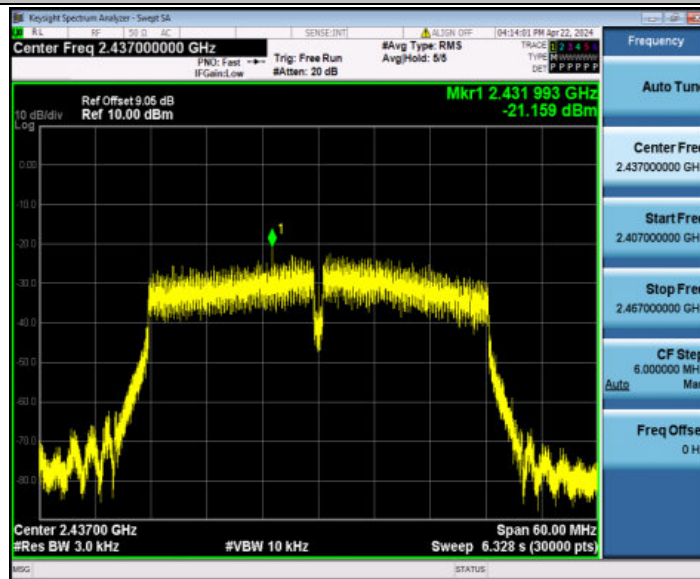
11N20SISO_Ant1_2462



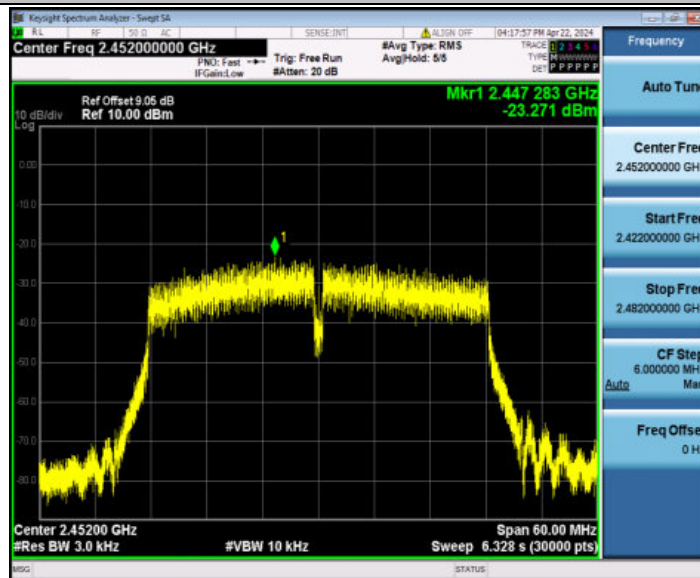
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



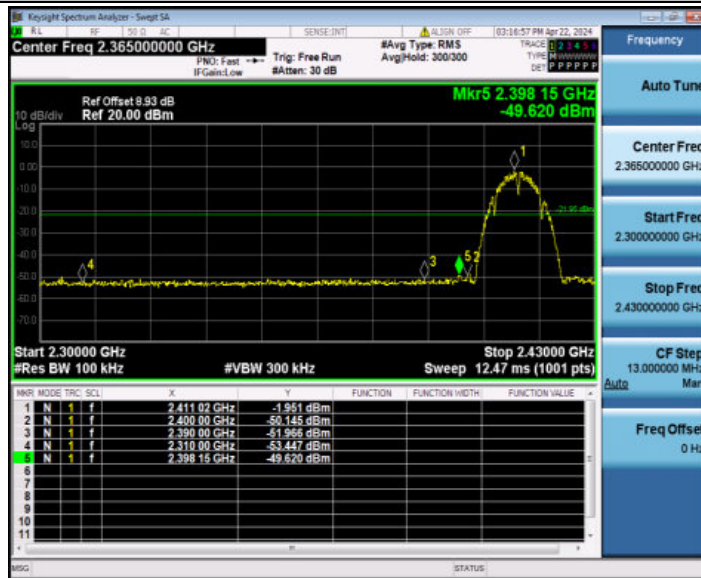
Appendix C.5: Band edge measurements

Test Result

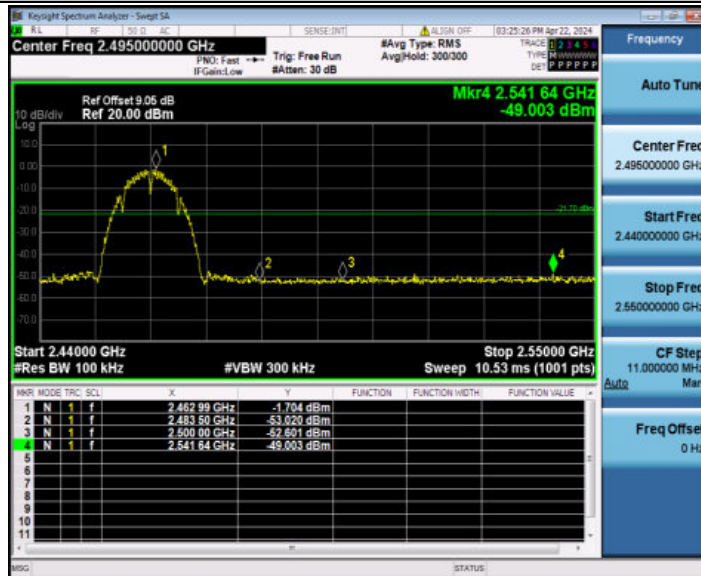
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-1.95	-49.62	≤ -21.95	PASS
		High	2462	-1.70	-49	≤ -21.7	PASS
11G	Ant1	Low	2412	-6.50	-48.66	≤ -26.5	PASS
		High	2462	-5.92	-48.95	≤ -25.92	PASS
11N20SISO	Ant1	Low	2412	-6.04	-47.81	≤ -26.04	PASS
		High	2462	-6.18	-49.12	≤ -26.18	PASS
11N40SISO	Ant1	Low	2422	-8.99	-48.19	≤ -28.99	PASS
		High	2452	-8.64	-49.28	≤ -28.64	PASS

Test Graphs

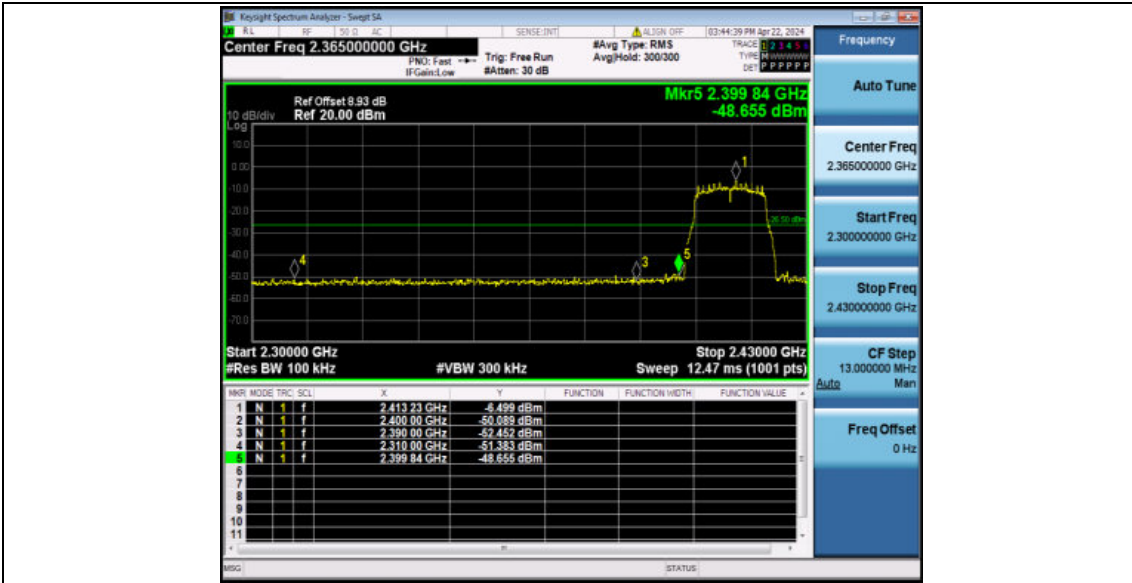
11B_Ant1_Low_2412



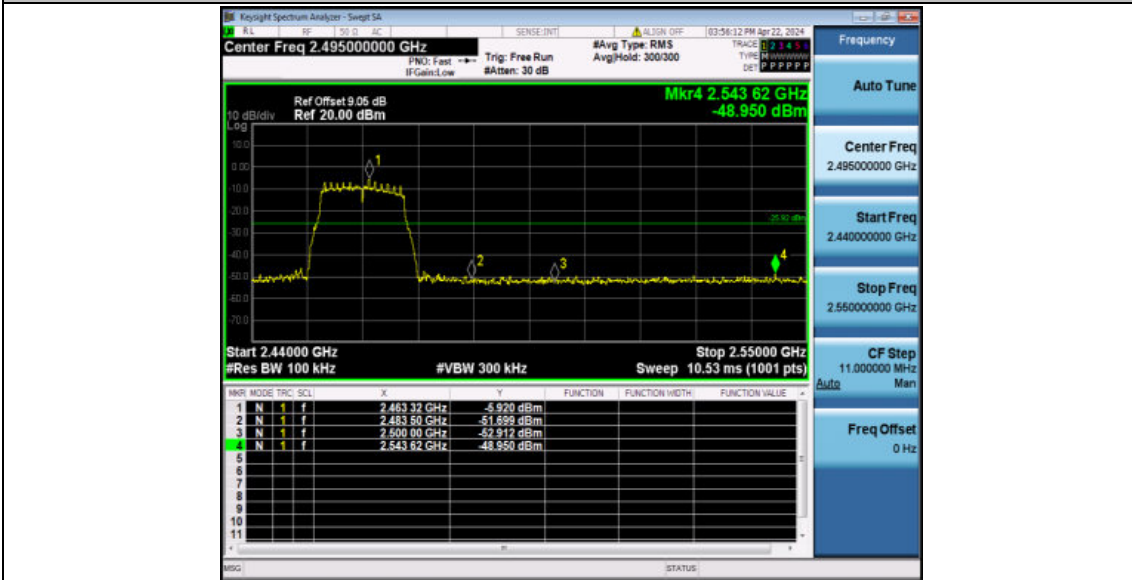
11B_Ant1_High_2462



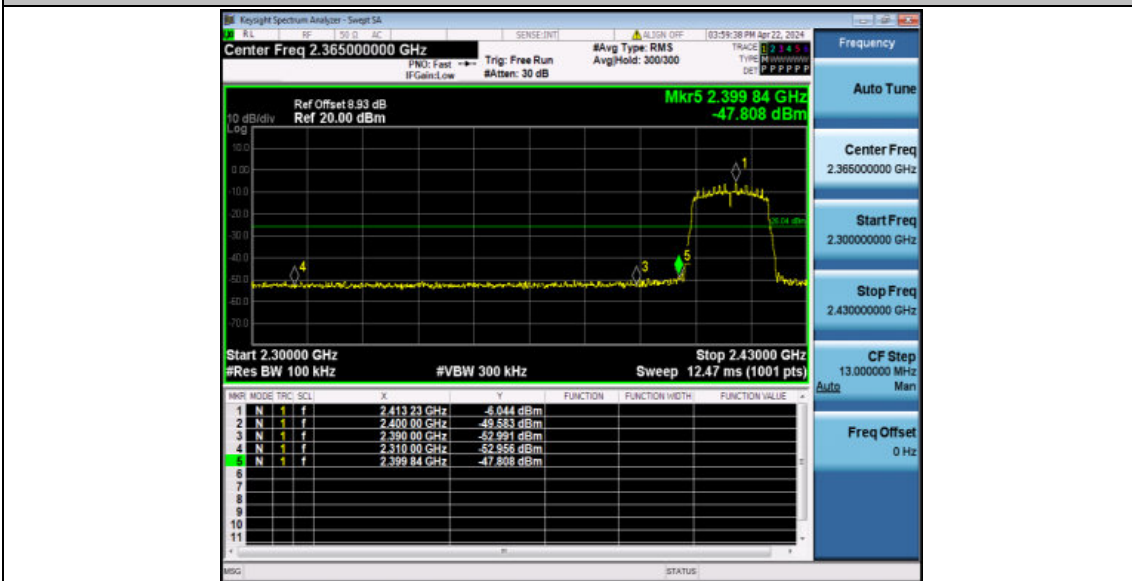
11G_Ant1_Low_2412



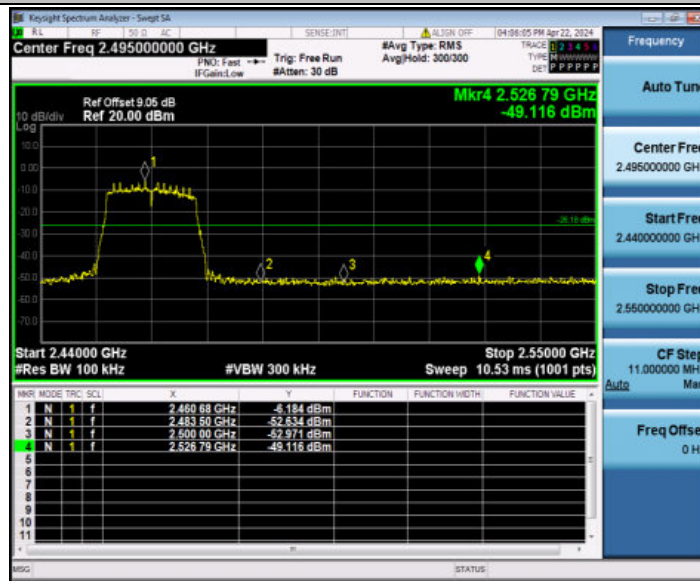
11G_Ant1_High_2462



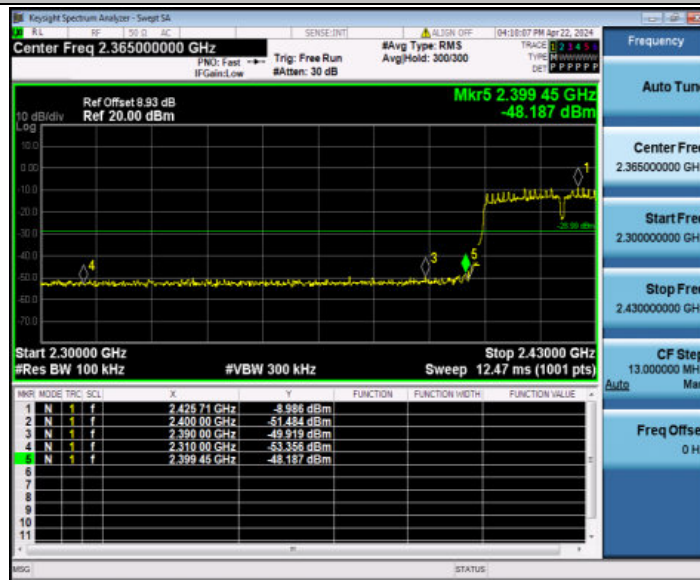
11N20SISO_Ant1_Low_2412



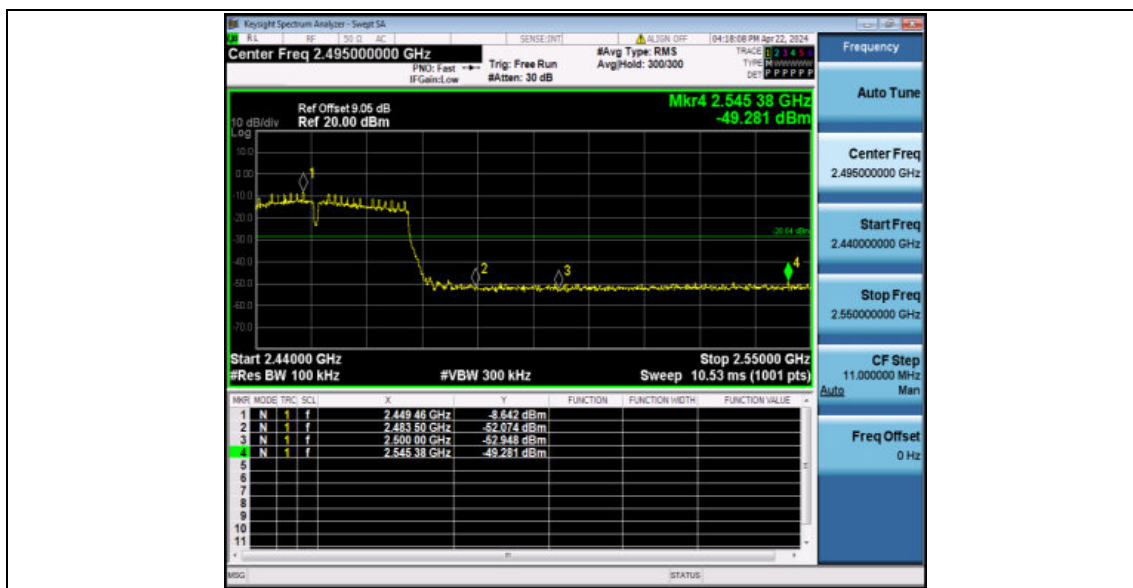
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

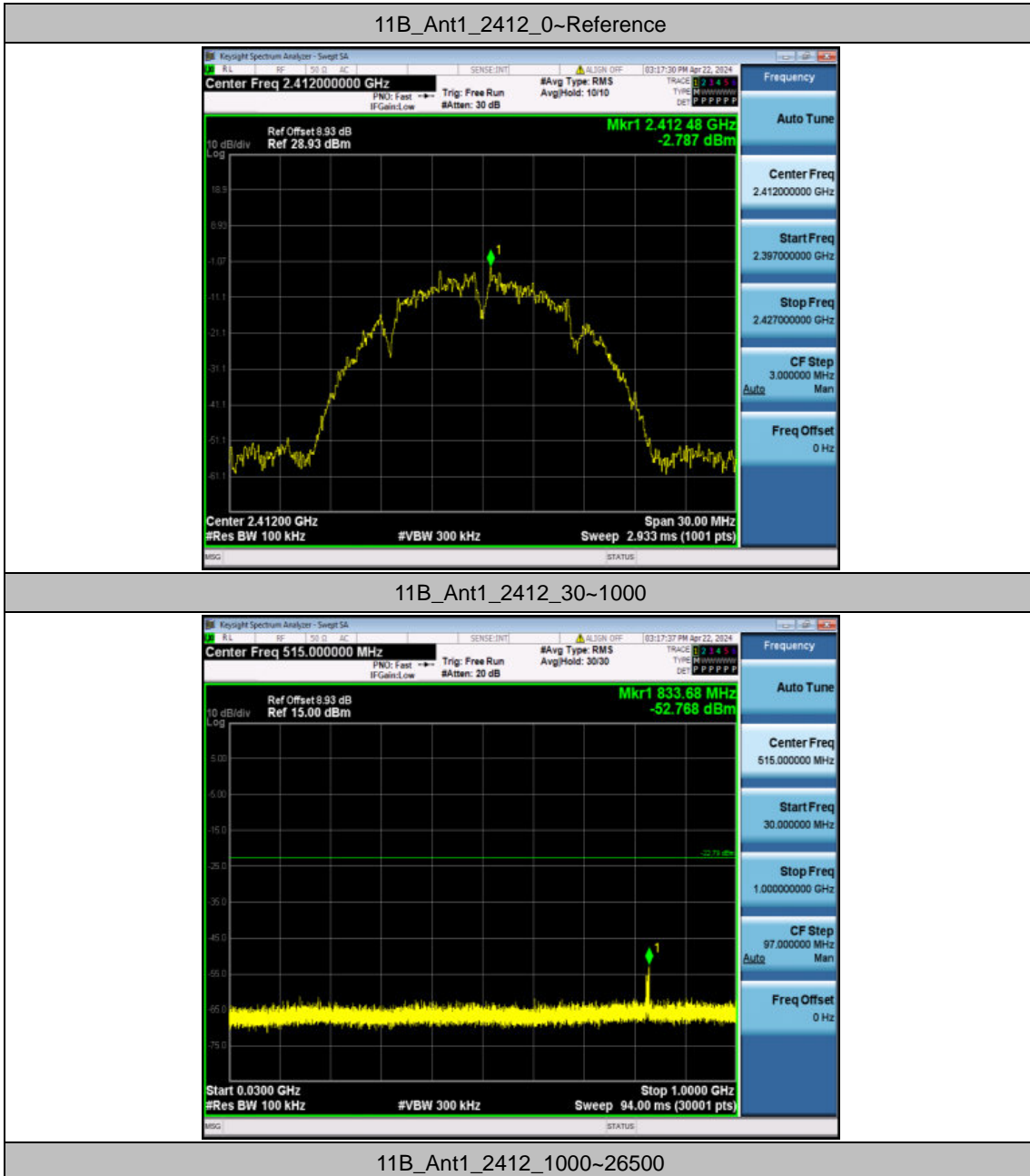


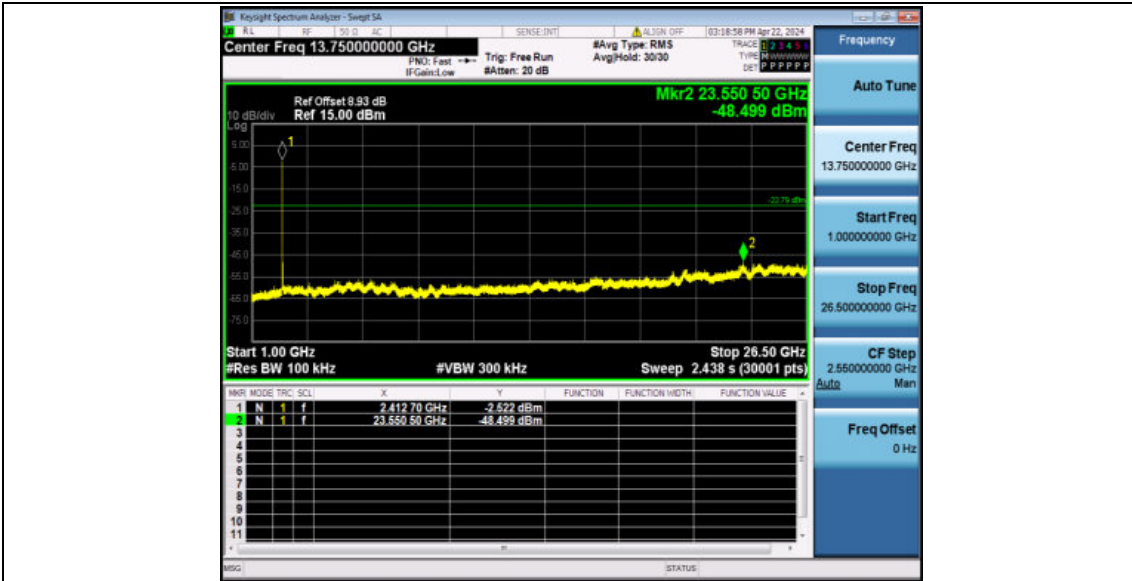
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-52.77	≤-22.79	PASS
			1000~26500	-2.79	-48.5	≤-22.79	PASS
		2437	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-58.34	≤-22.75	PASS
			1000~26500	-2.75	-48.02	≤-22.75	PASS
		2462	Reference	-3.68	-3.68	---	PASS
			30~1000	-3.68	-60.46	≤-23.68	PASS
			1000~26500	-3.68	-48.3	≤-23.68	PASS
11G	Ant1	2412	Reference	-7.17	-7.17	---	PASS
			30~1000	-7.17	-60.86	≤-27.17	PASS
			1000~26500	-7.17	-47.38	≤-27.17	PASS
		2437	Reference	-7.63	-7.63	---	PASS
			30~1000	-7.63	-60.75	≤-27.63	PASS
			1000~26500	-7.63	-48.14	≤-27.63	PASS
		2462	Reference	-7.70	-7.70	---	PASS
			30~1000	-7.70	-60.96	≤-27.7	PASS
			1000~26500	-7.70	-47.1	≤-27.7	PASS
11N20SISO	Ant1	2412	Reference	-9.84	-9.84	---	PASS
			30~1000	-9.84	-60.04	≤-29.84	PASS
			1000~26500	-9.84	-48.02	≤-29.84	PASS
		2437	Reference	-8.93	-8.93	---	PASS
			30~1000	-8.93	-60.28	≤-28.93	PASS
			1000~26500	-8.93	-48.09	≤-28.93	PASS
		2462	Reference	-6.66	-6.66	---	PASS
			30~1000	-6.66	-60.31	≤-26.66	PASS
			1000~26500	-6.66	-47.97	≤-26.66	PASS
11N40SISO	Ant1	2422	Reference	-9.34	-9.34	---	PASS
			30~1000	-9.34	-60.83	≤-29.34	PASS
			1000~26500	-9.34	-47.14	≤-29.34	PASS
		2437	Reference	-9.80	-9.80	---	PASS
			30~1000	-9.80	-60.32	≤-29.8	PASS
			1000~26500	-9.80	-47.73	≤-29.8	PASS
		2452	Reference	-9.02	-9.02	---	PASS
			30~1000	-9.02	-60.1	≤-29.02	PASS
			1000~26500	-9.02	-47.33	≤-29.02	PASS

Test Graphs

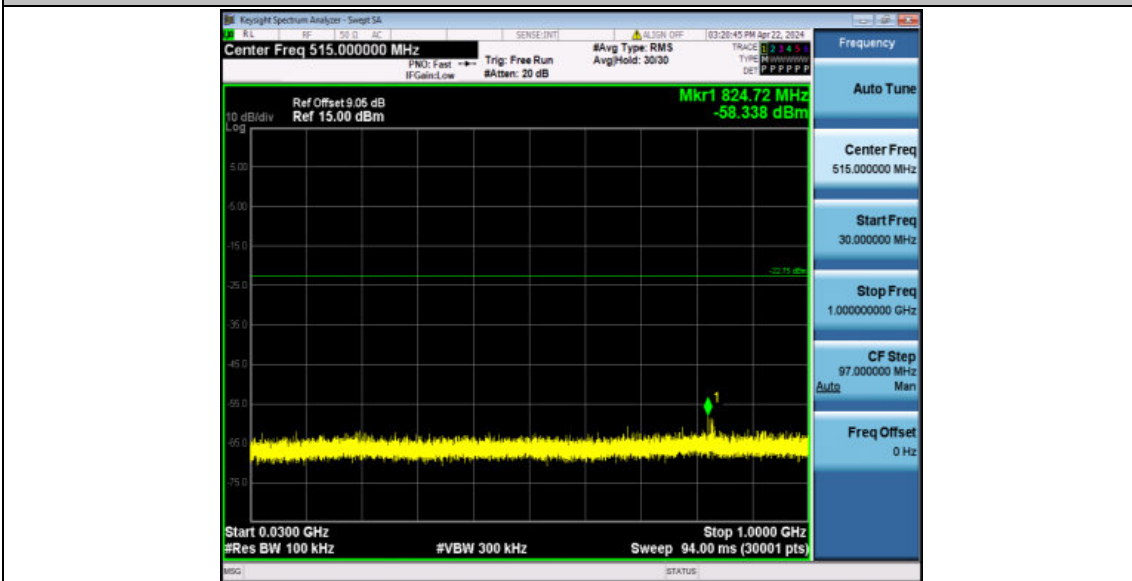




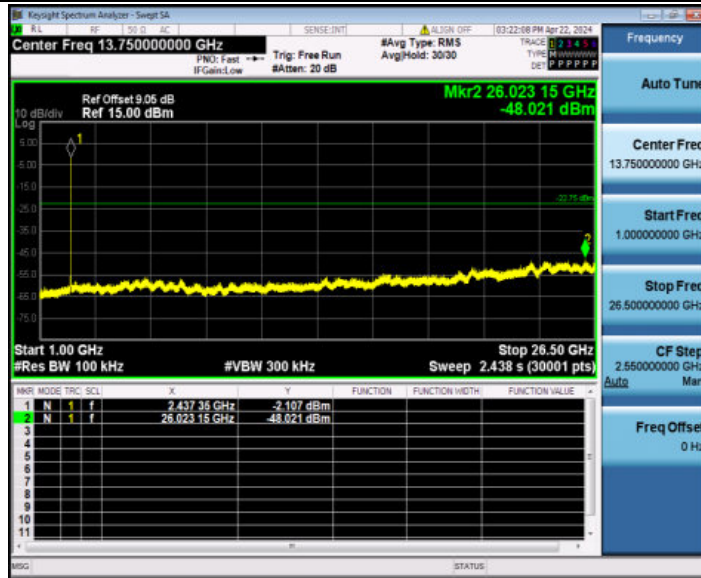
11B_Ant1_2437_0-Reference



11B_Ant1_2437_30-1000



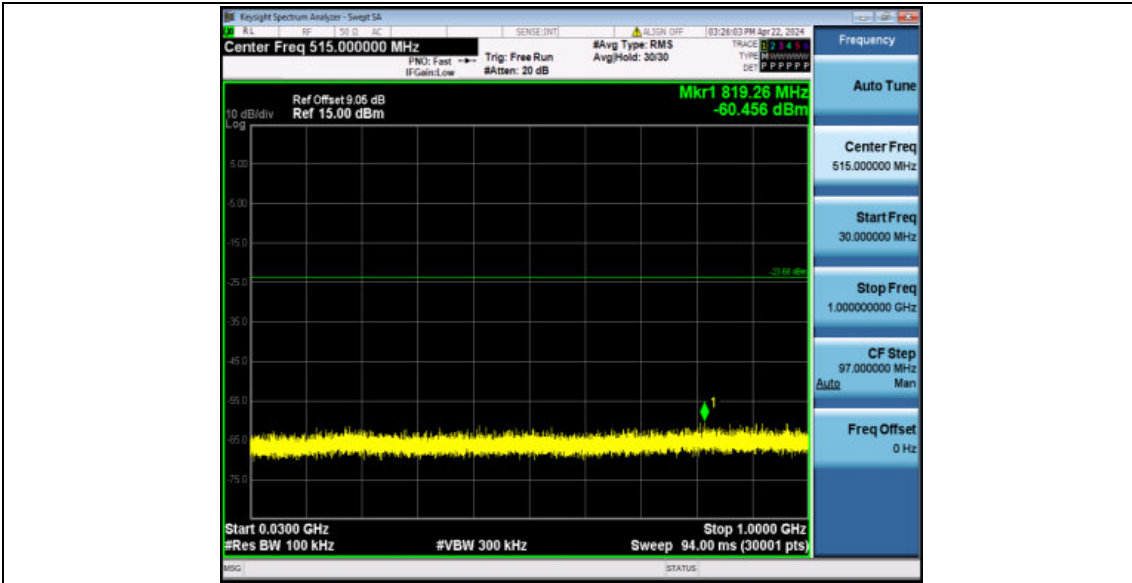
11B_Ant1_2437_1000~26500



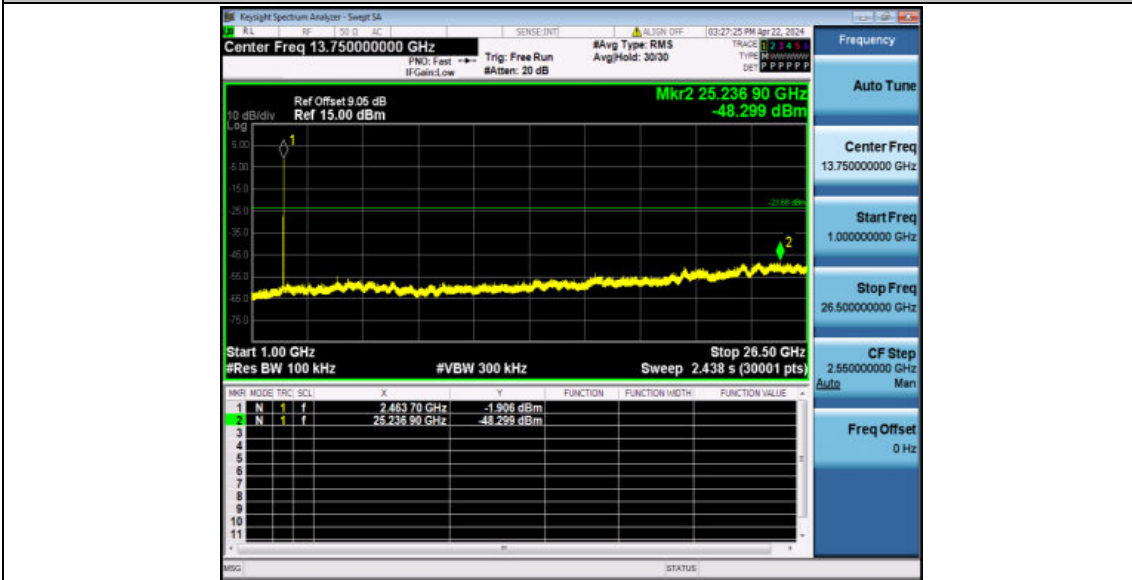
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



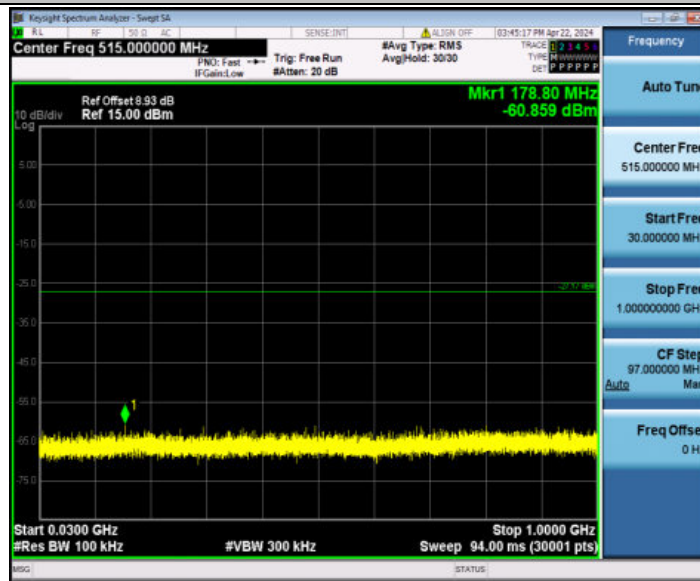
11B_Ant1_2462_1000~26500



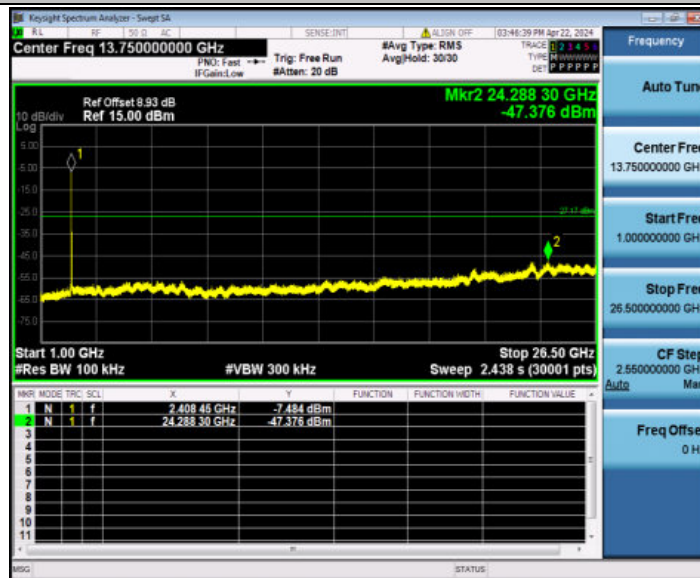
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



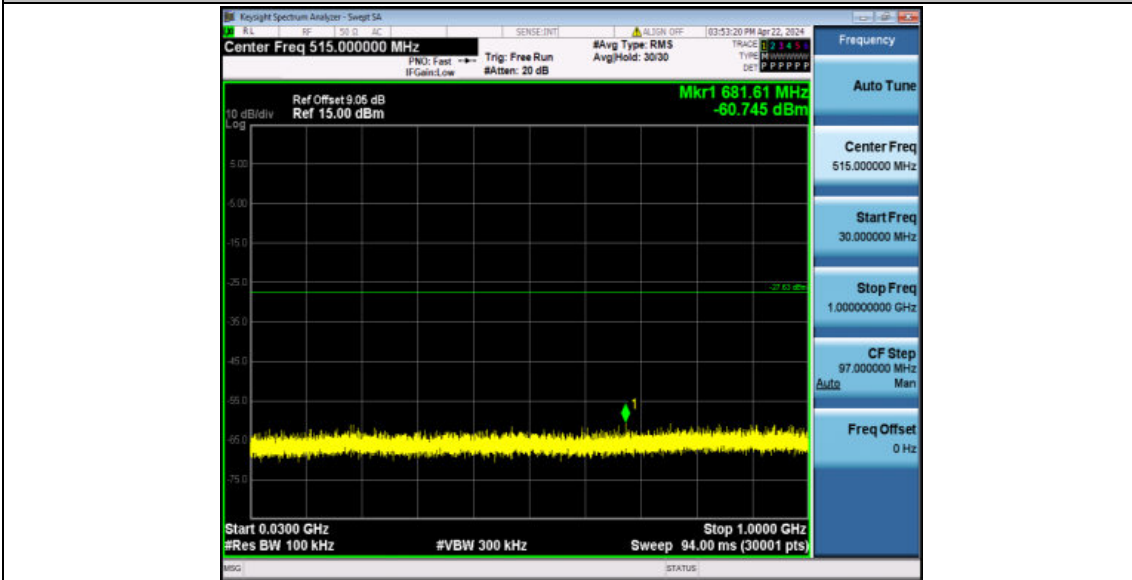
11G_Ant1_2412_1000~26500



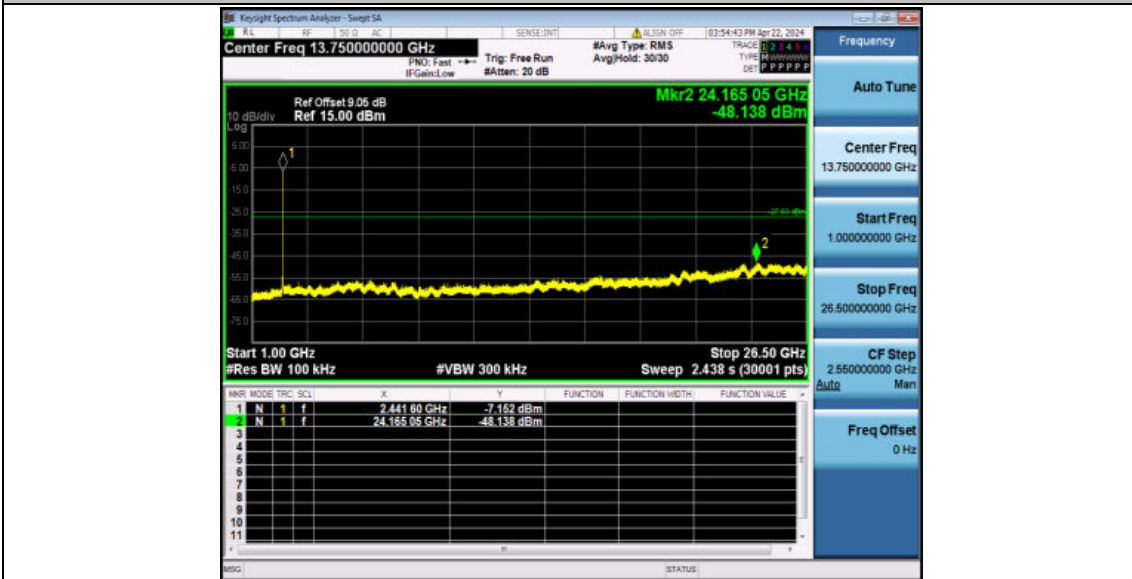
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



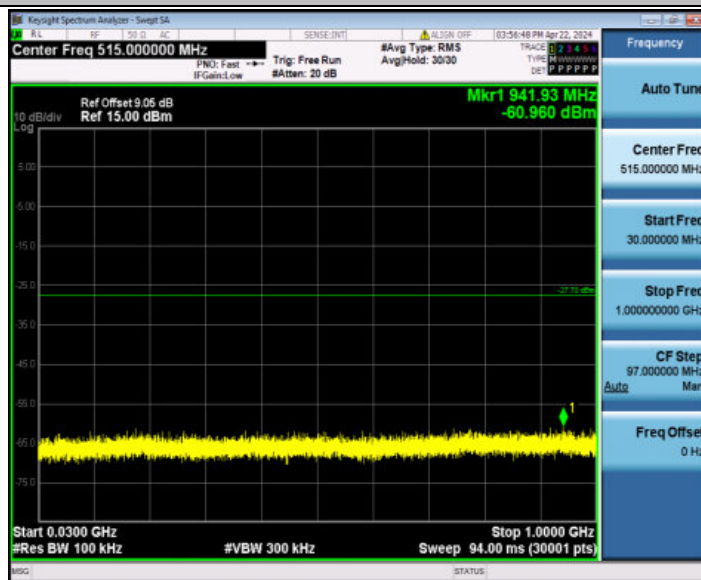
11G_Ant1_2437_1000~26500



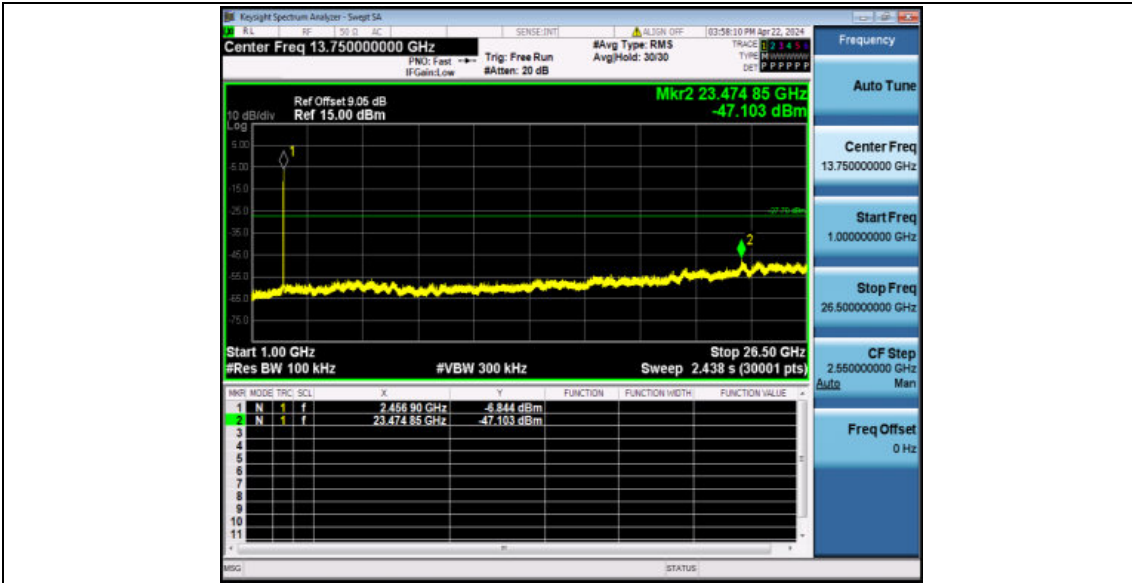
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



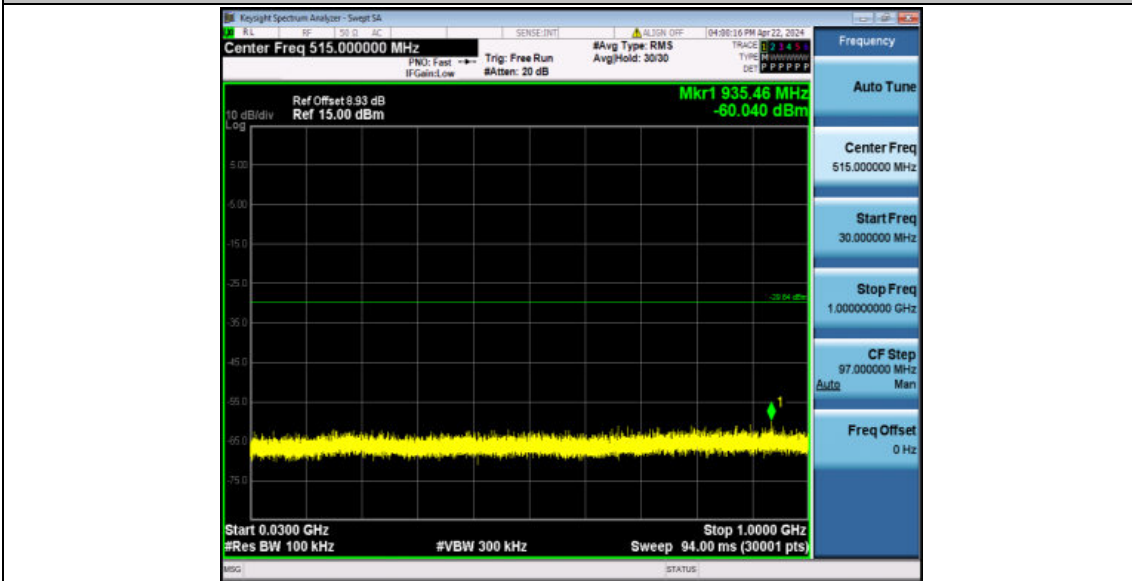
11G_Ant1_2462_1000~26500



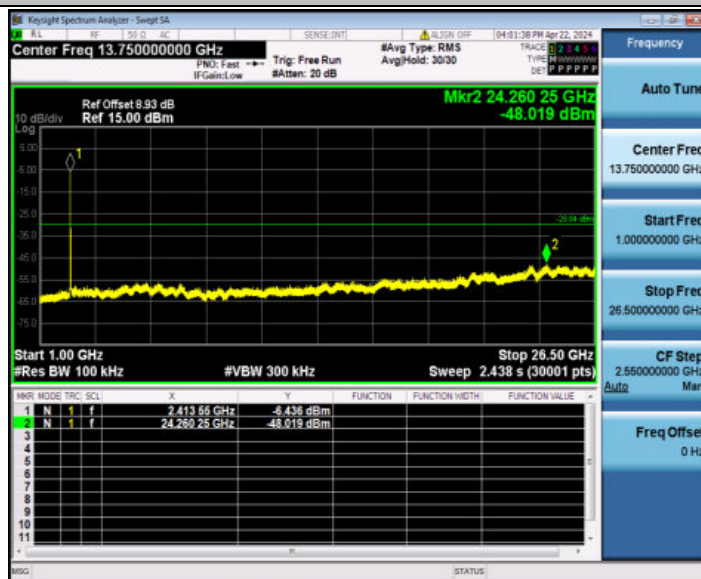
11N20SISO_Ant1_2412_0-Reference



11N20SISO_Ant1_2412_30~100



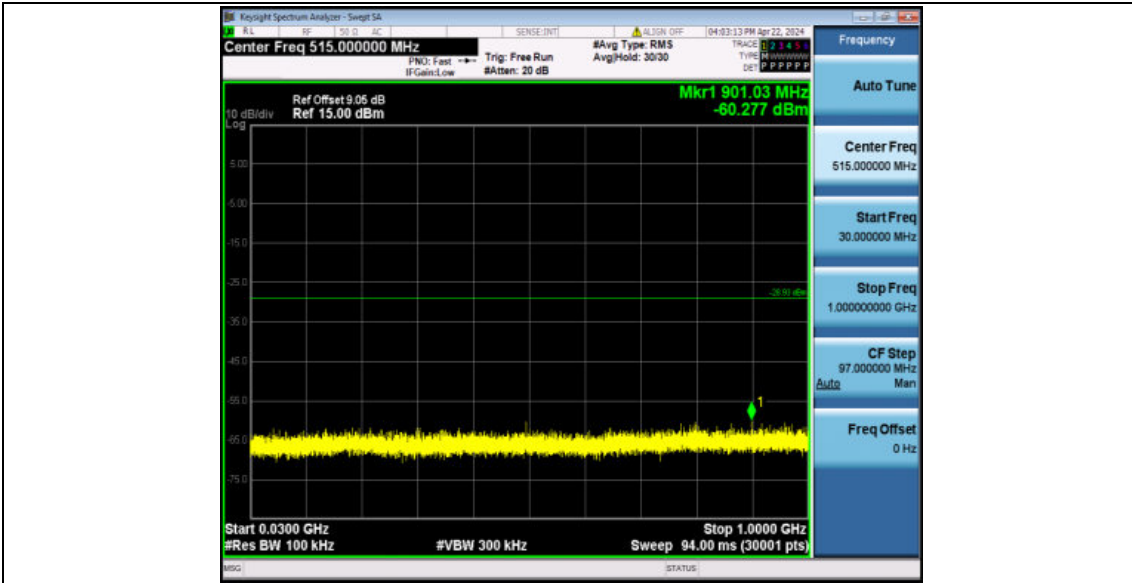
11N20SISO_Ant1_2412_1000~26500



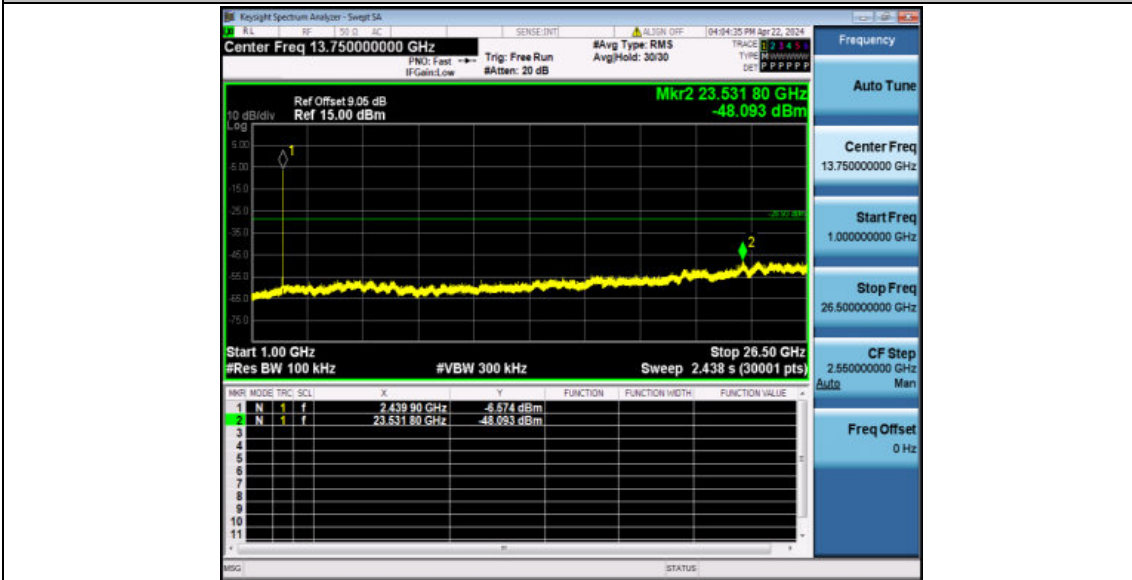
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



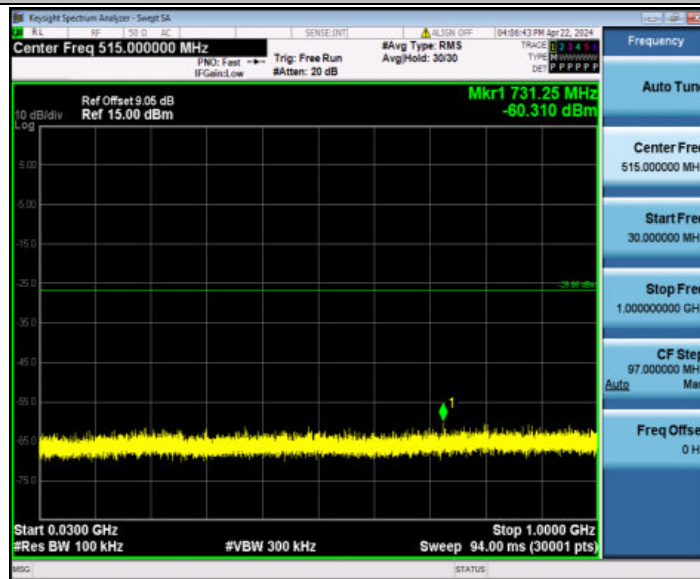
11N20SISO_Ant1_2437_1000~26500



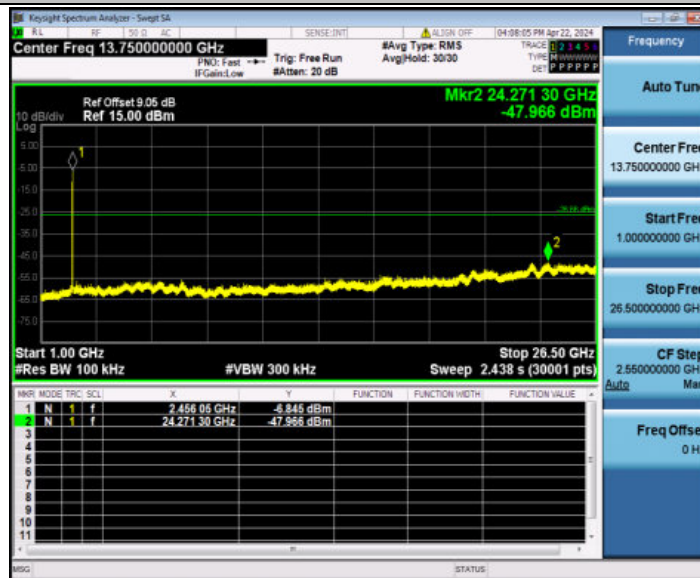
11N20SISO_Ant1_2462_0~Reference



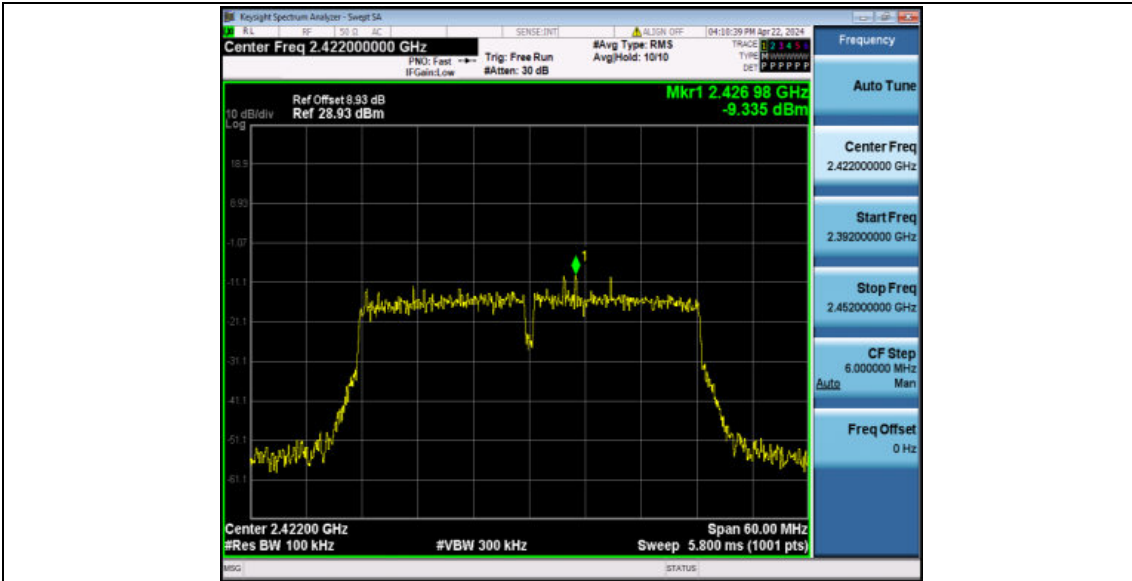
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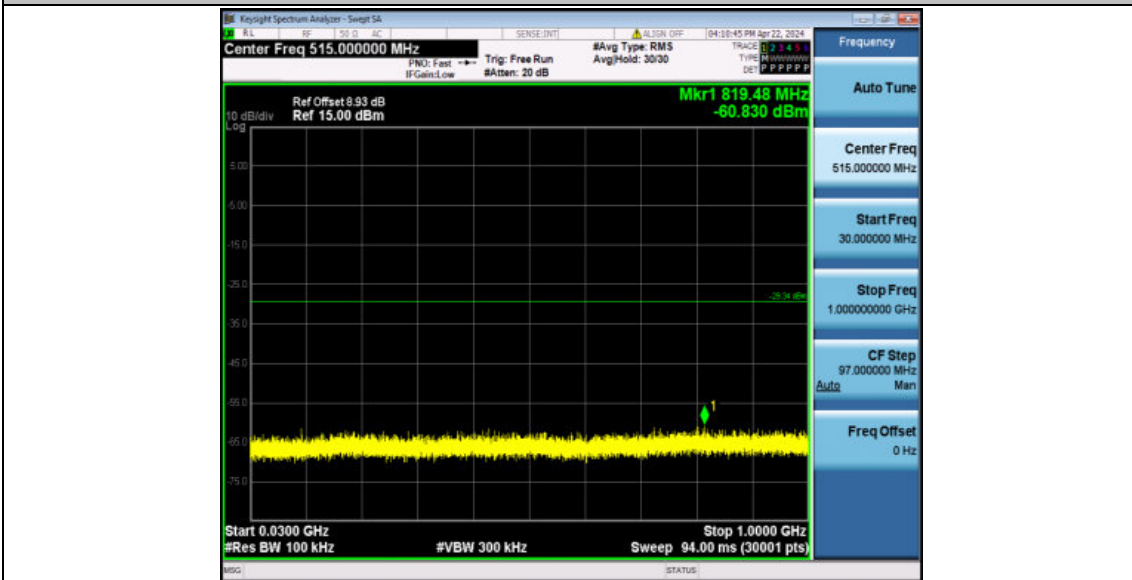
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11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



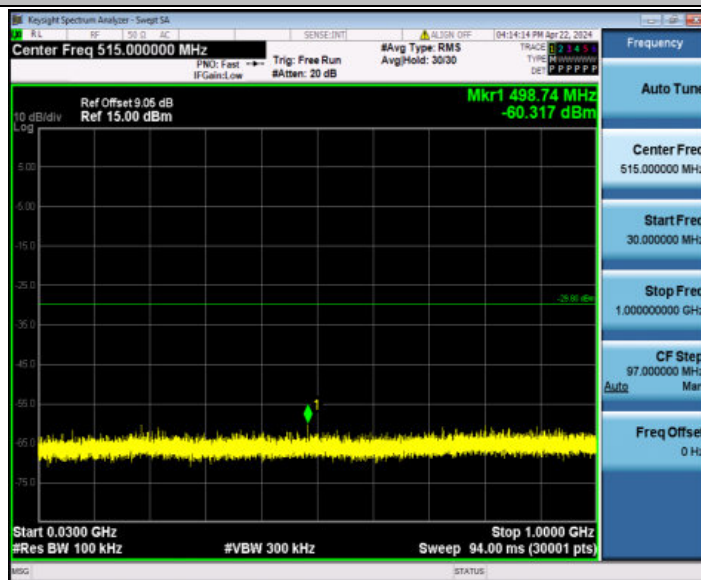
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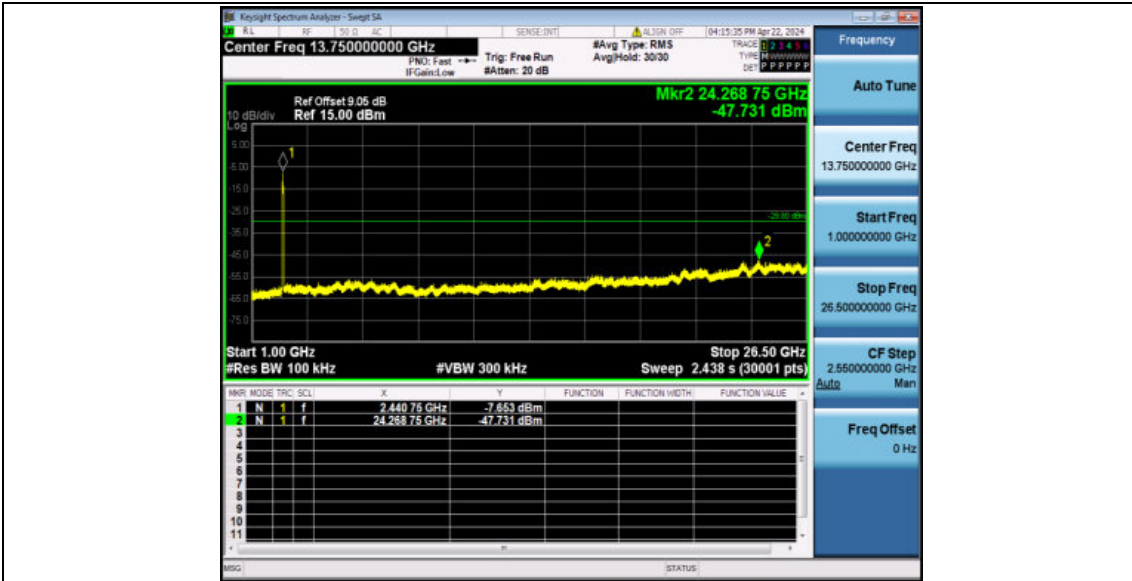
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11N40SISO_Ant1_2437_30~1000



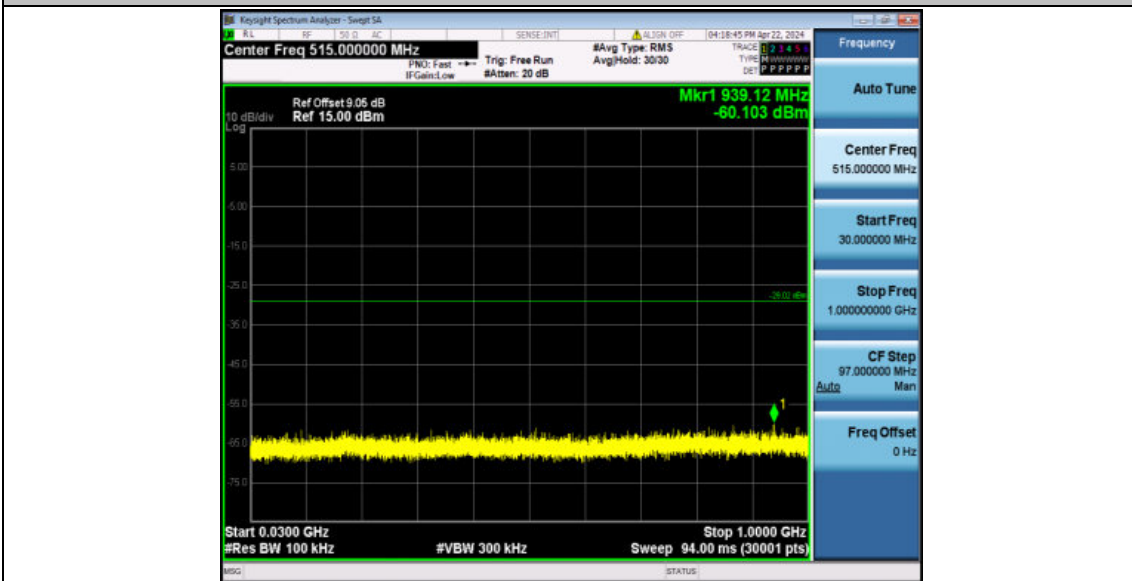
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0-Reference



11N40SISO_Ant1_2452_30~100



11N40SISO_Ant1_2452_1000~26500

