

Case No. : <u>CTA24081600403</u>	
Ambient Condition: <u>22</u> °C, <u>54</u> %RH,	
Test Date: <u>2024.8.23</u>	Test Engineer: <u>Lushan Kong</u>

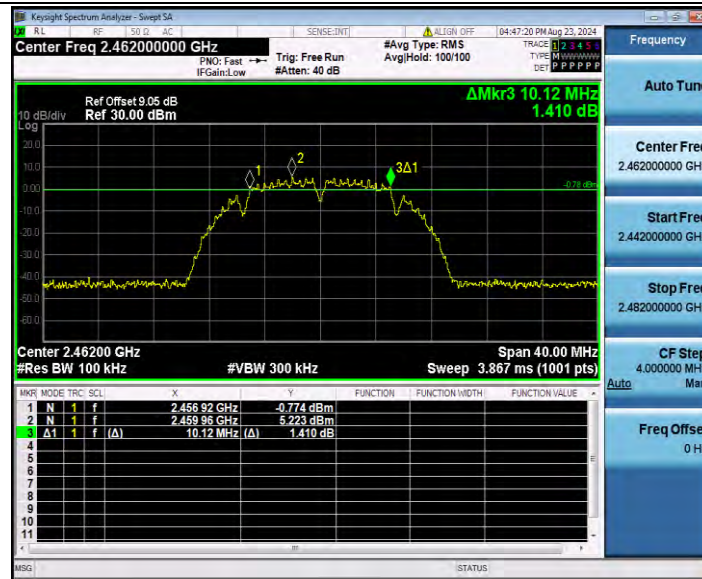
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant2	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.280	2428.840	2445.120	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant2	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.520	2428.240	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant2	2422	35.680	2404.480	2440.160	0.5	PASS
		2437	35.760	2419.400	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs





11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



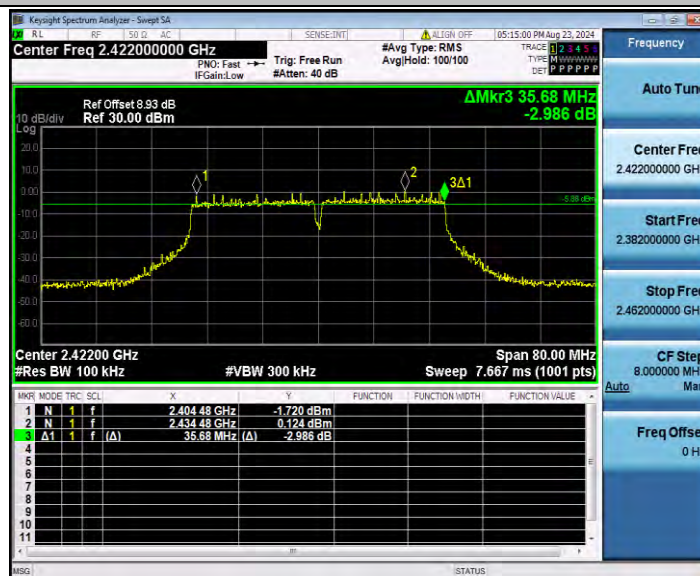
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



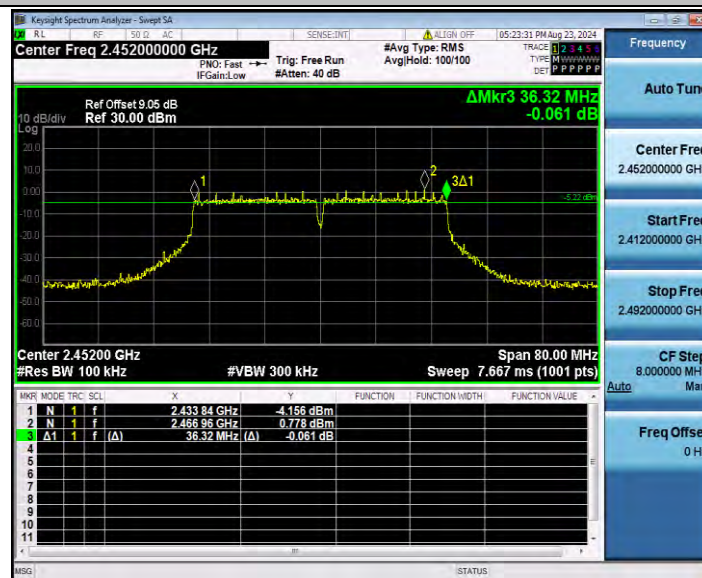
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



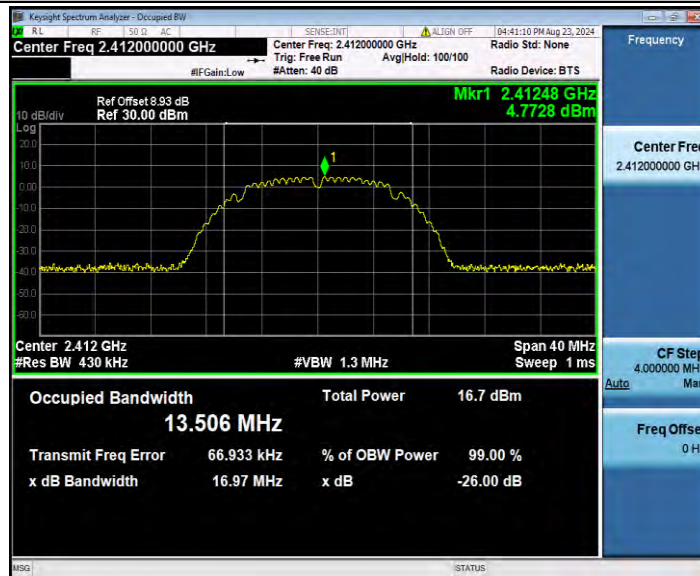
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.506	2405.3139	2418.8199	---	---
		2437	13.453	2430.3084	2443.7614	---	---
		2462	13.433	2455.2672	2468.7002	---	---
11G	Ant2	2412	17.222	2403.4472	2420.6692	---	---
		2437	17.162	2428.4542	2445.6162	---	---
		2462	17.209	2453.3996	2470.6086	---	---
11N20SISO	Ant2	2412	18.282	2402.8870	2421.1690	---	---
		2437	18.200	2427.9314	2446.1314	---	---
		2462	18.209	2452.8839	2471.0929	---	---
11N40SISO	Ant2	2422	36.547	2403.8525	2440.3995	---	---
		2437	36.545	2418.8298	2455.3748	---	---
		2452	36.451	2433.8193	2470.2703	---	---

Test Graphs

11B_Ant2_2412



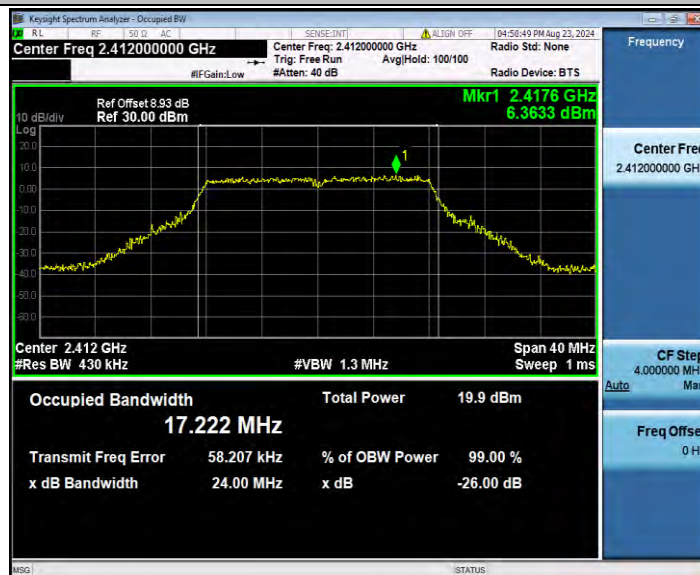
11B_Ant2_2437



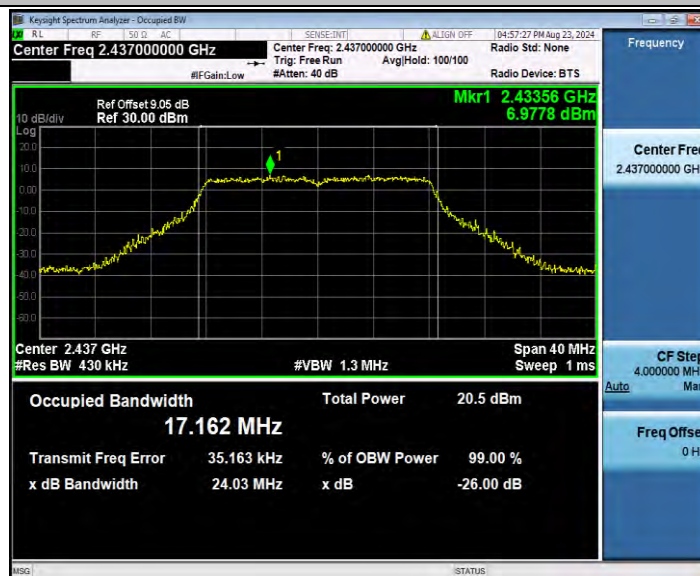
11B_Ant2_2462



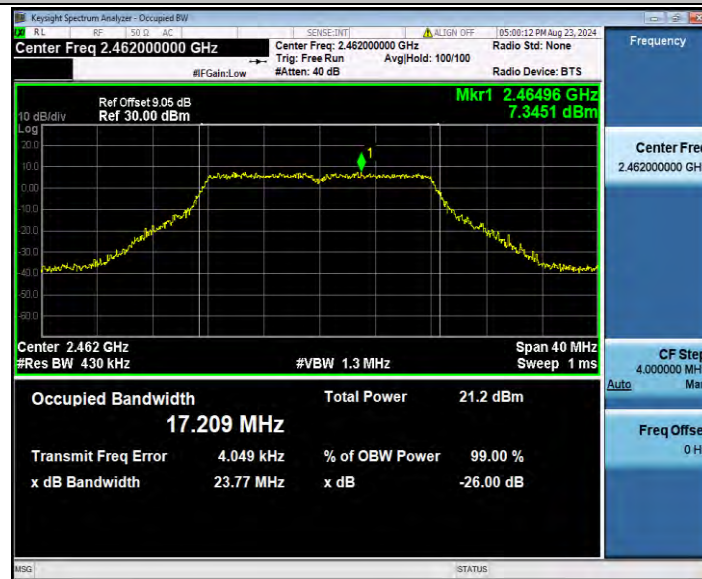
11G_Ant2_2412



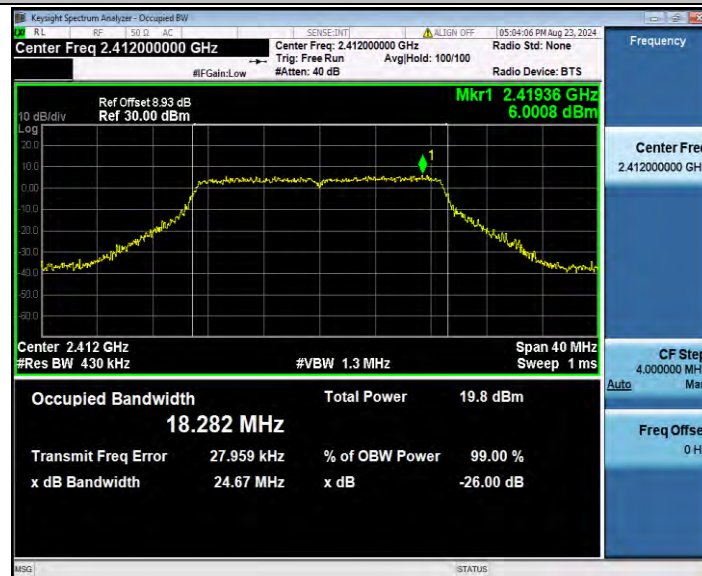
11G_Ant2_2437



11G_Ant2_2462



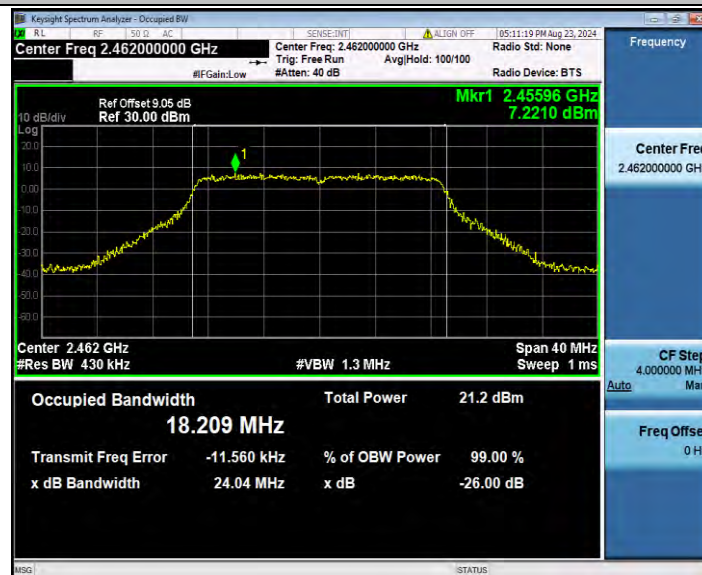
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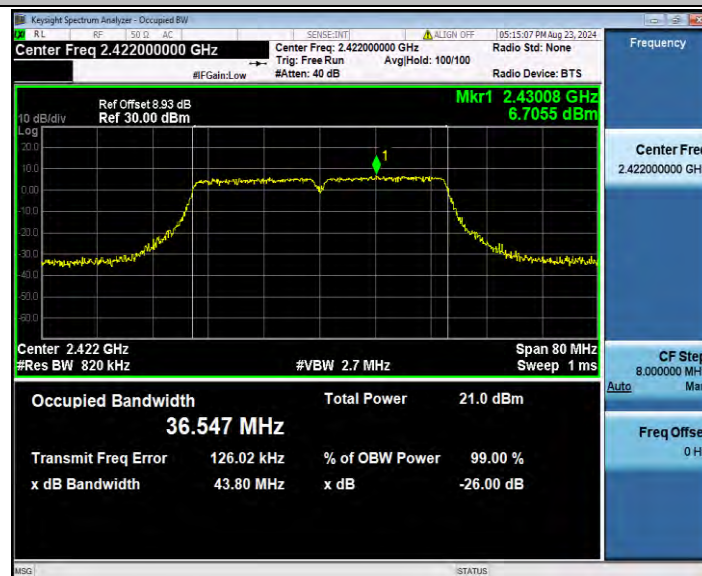
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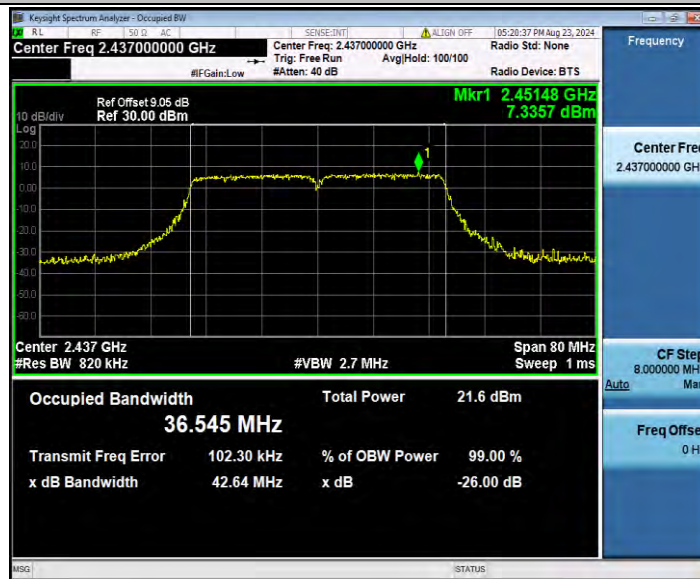
11N20SISO_Ant2_2462



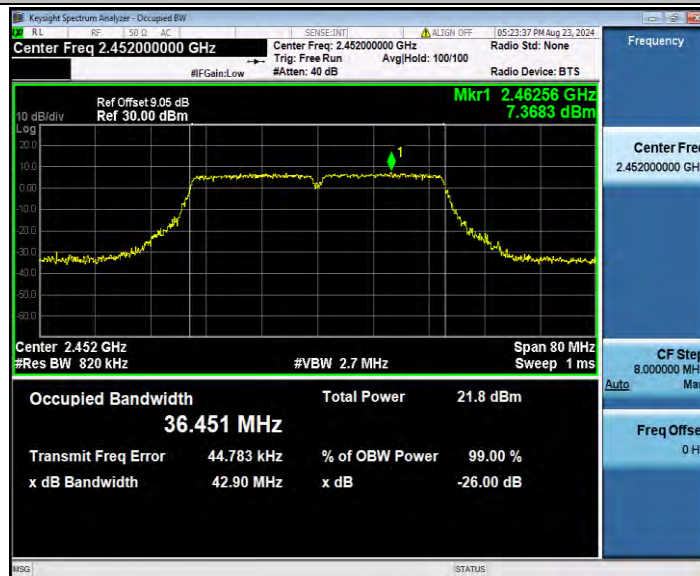
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	16.77	≤30.00	PASS
		2437	17.41	≤30.00	PASS
		2462	18.01	≤30.00	PASS
11G	Ant2	2412	20.98	≤30.00	PASS
		2437	21.70	≤30.00	PASS
		2462	22.25	≤30.00	PASS
11N20SISO	Ant2	2412	20.95	≤30.00	PASS
		2437	21.62	≤30.00	PASS
		2462	22.21	≤30.00	PASS
11N40SISO	Ant2	2422	21.22	≤30.00	PASS
		2437	21.76	≤30.00	PASS
		2452	22.06	≤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	Ant2	2412	-9.80	≤8.00	PASS
		2437	-8.00	≤8.00	PASS
		2462	-8.93	≤8.00	PASS
11G	Ant2	2412	-11.48	≤8.00	PASS
		2437	-10.60	≤8.00	PASS
		2462	-9.98	≤8.00	PASS
11N20SISO	Ant2	2412	-11.59	≤8.00	PASS
		2437	-11.56	≤8.00	PASS
		2462	-10.31	≤8.00	PASS
11N40SISO	Ant2	2422	-14.86	≤8.00	PASS
		2437	-13.25	≤8.00	PASS
		2452	-13.65	≤8.00	PASS

Test Graphs

11B_Ant2_2412



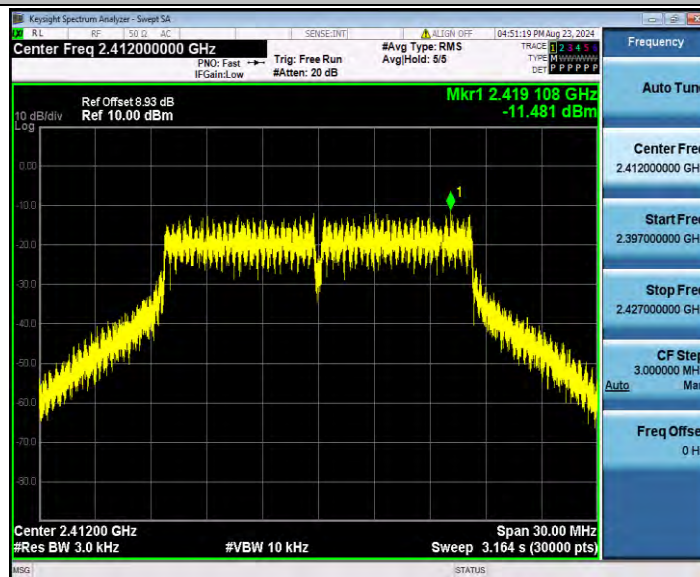
11B_Ant2_2437



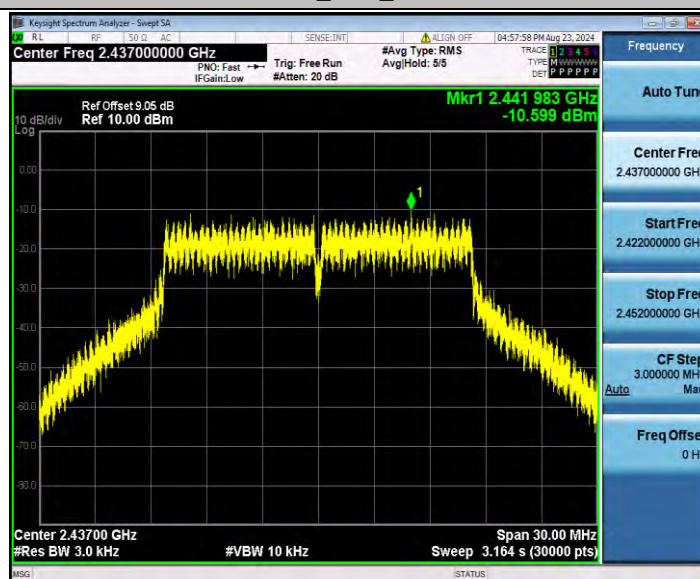
11B_Ant2_2462



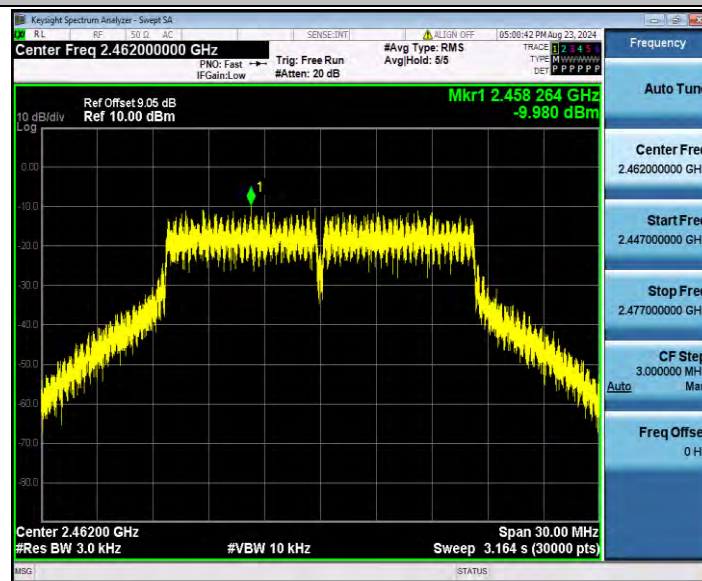
11G_Ant2_2412



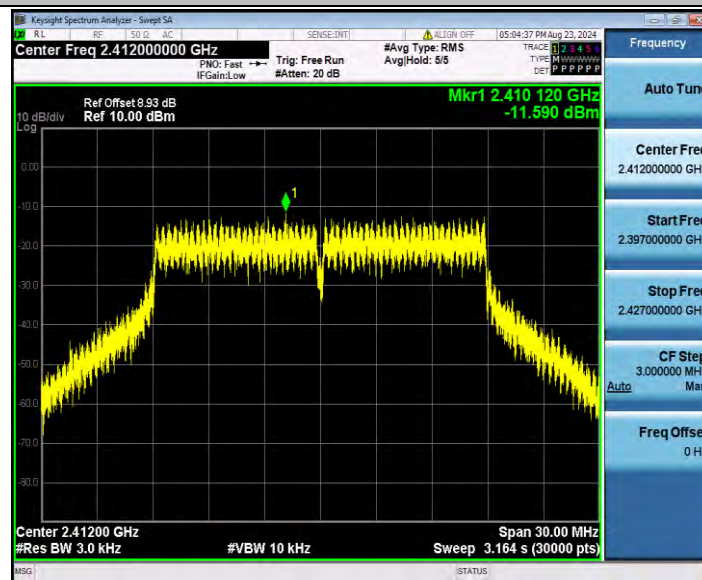
11G_Ant2_2437



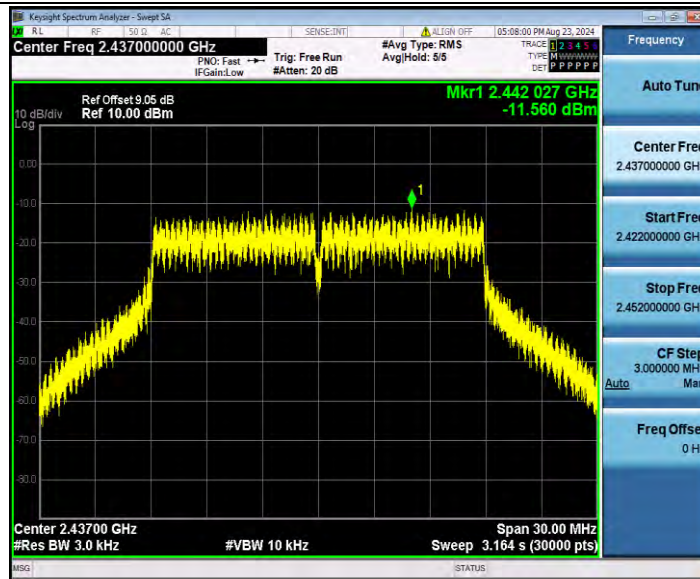
11G_Ant2_2462



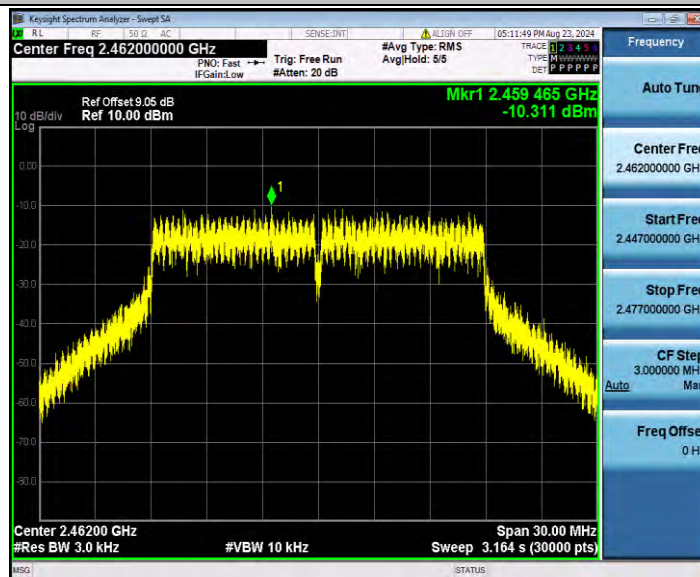
11N20SISO_Ant2_2412



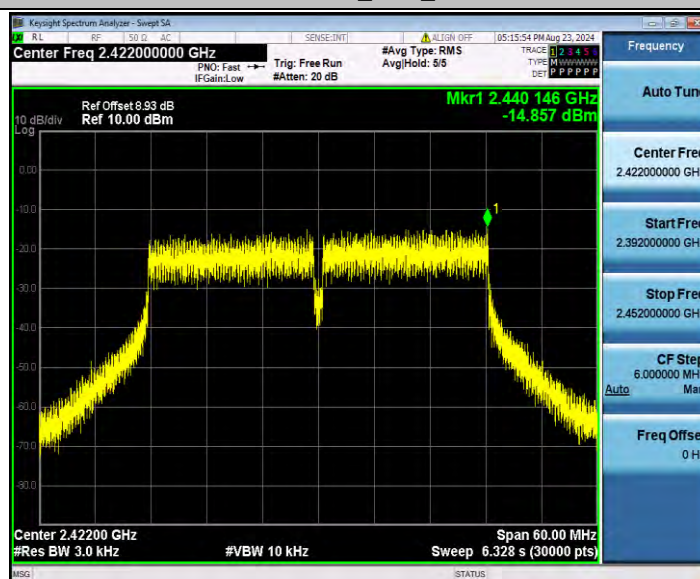
11N20SISO_Ant2_2437



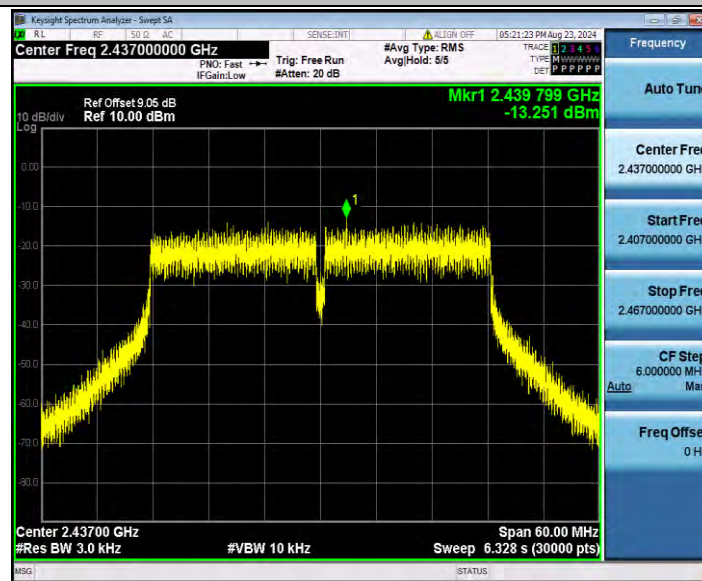
11N20SISO_Ant2_2462



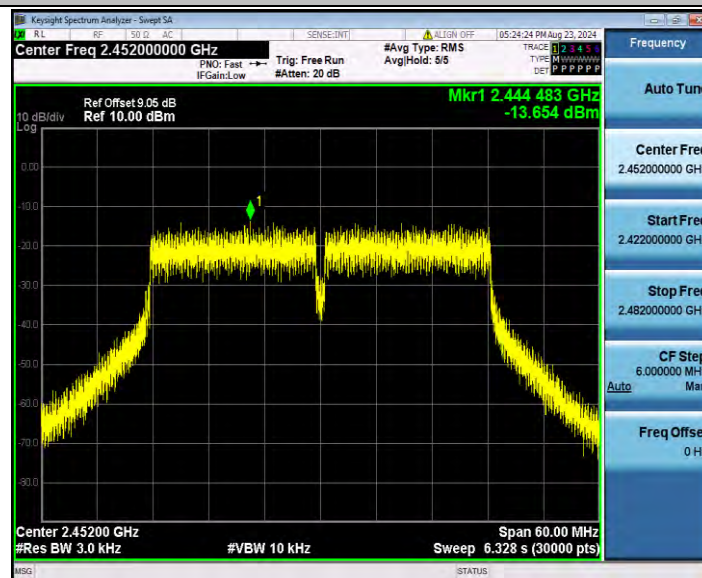
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



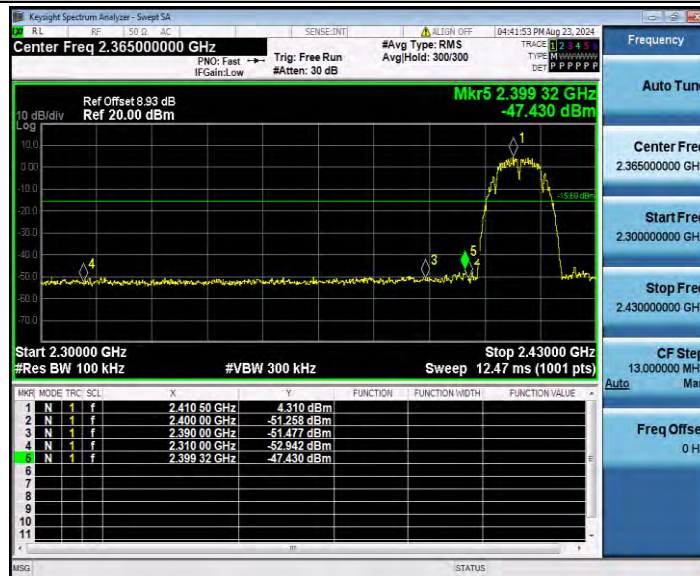
Appendix C.5: Band edge measurements

Test Result

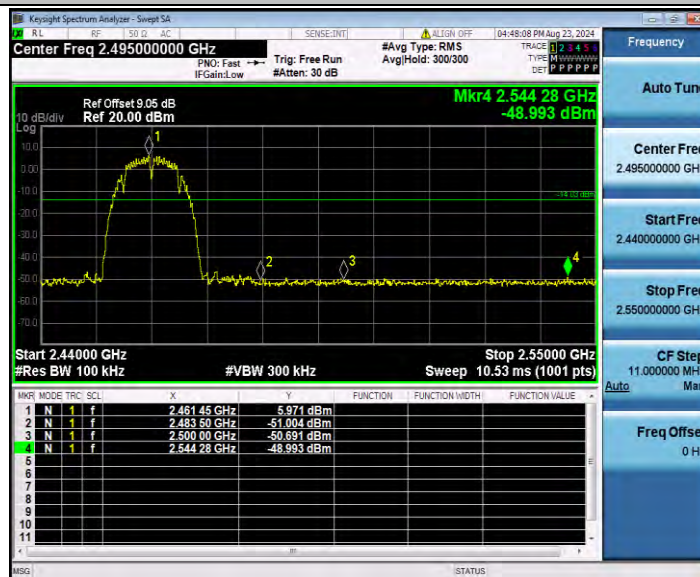
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	4.31	-47.43	≤ -15.69	PASS
		High	2462	5.97	-48.99	≤ -14.03	PASS
11G	Ant2	Low	2412	3.46	-26.81	≤ -16.55	PASS
		High	2462	4.25	-49.38	≤ -15.75	PASS
11N20SISO	Ant2	Low	2412	3.31	-26.06	≤ -16.69	PASS
		High	2462	4.52	-48.95	≤ -15.48	PASS
11N40SISO	Ant2	Low	2422	0.07	-28.18	≤ -19.93	PASS
		High	2452	1.13	-43.63	≤ -18.87	PASS

Test Graphs

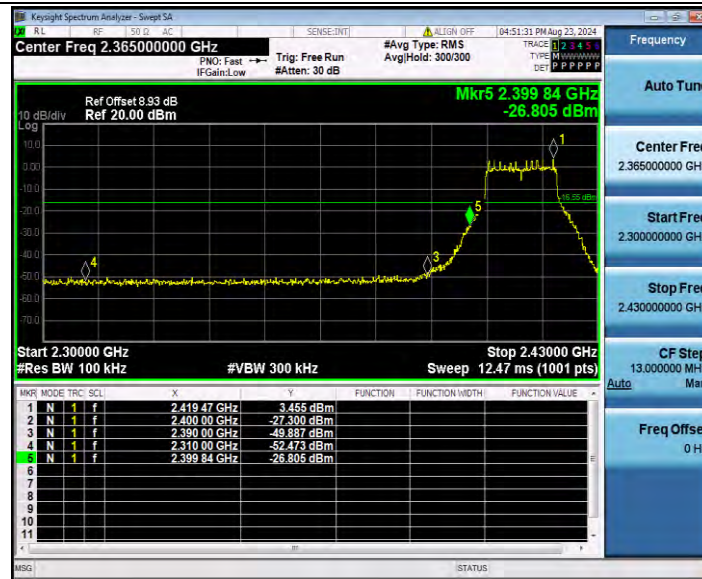
11B_Ant2_Low_2412



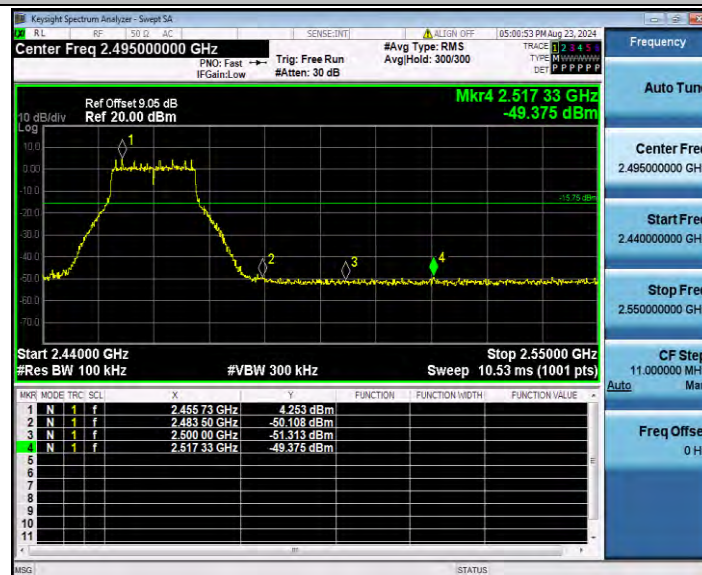
11B_Ant2_High_2462



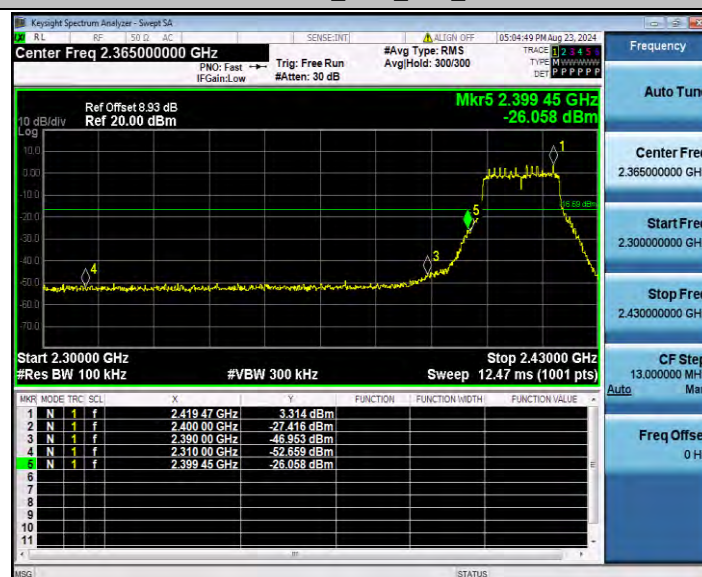
11G_Ant2_Low_2412



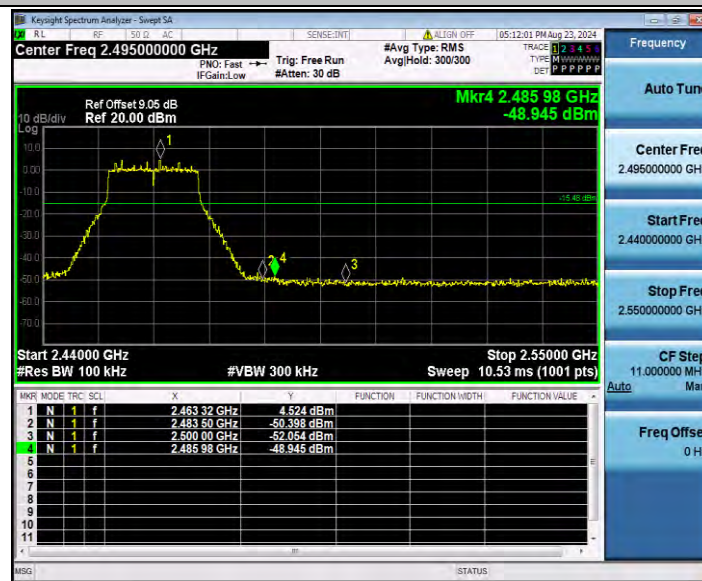
11G_Ant2_High_2462



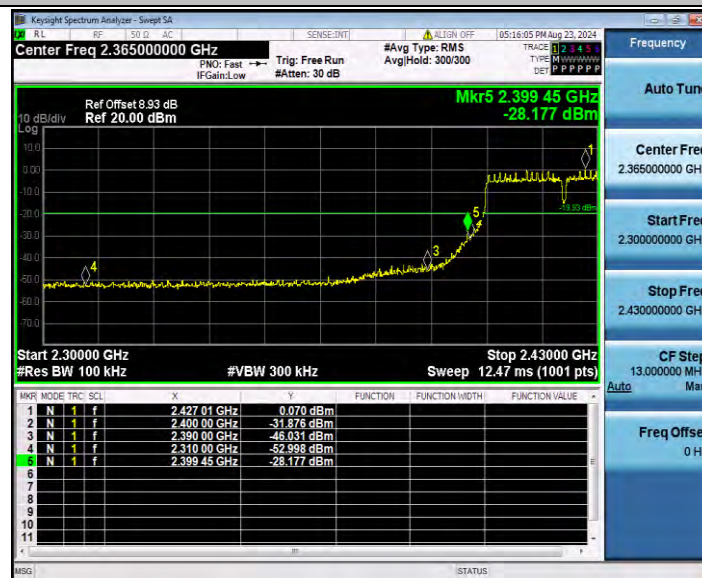
11N20SISO_Ant2_Low_2412



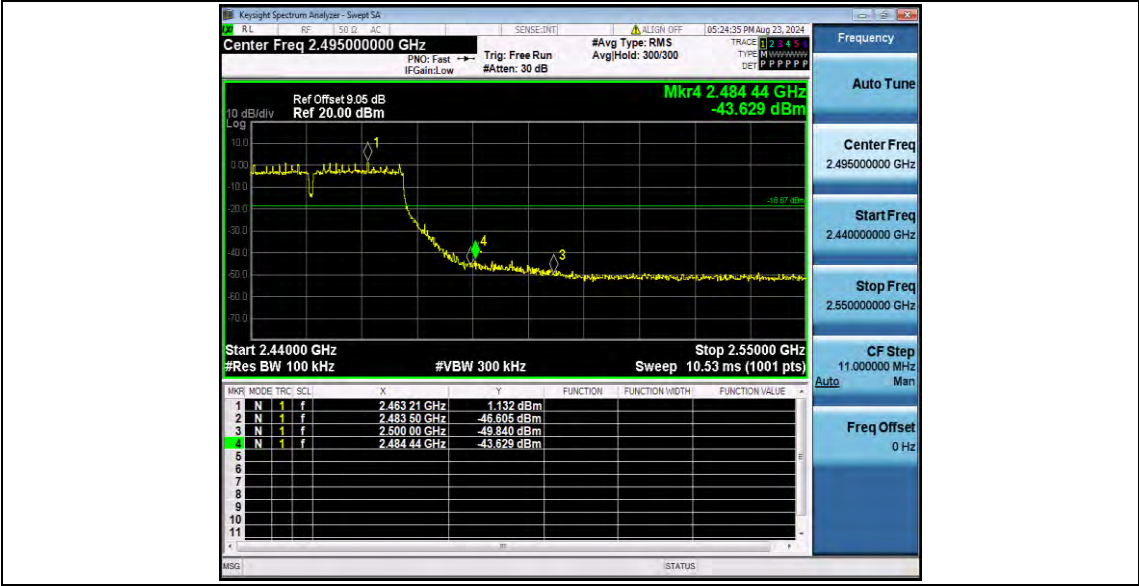
11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

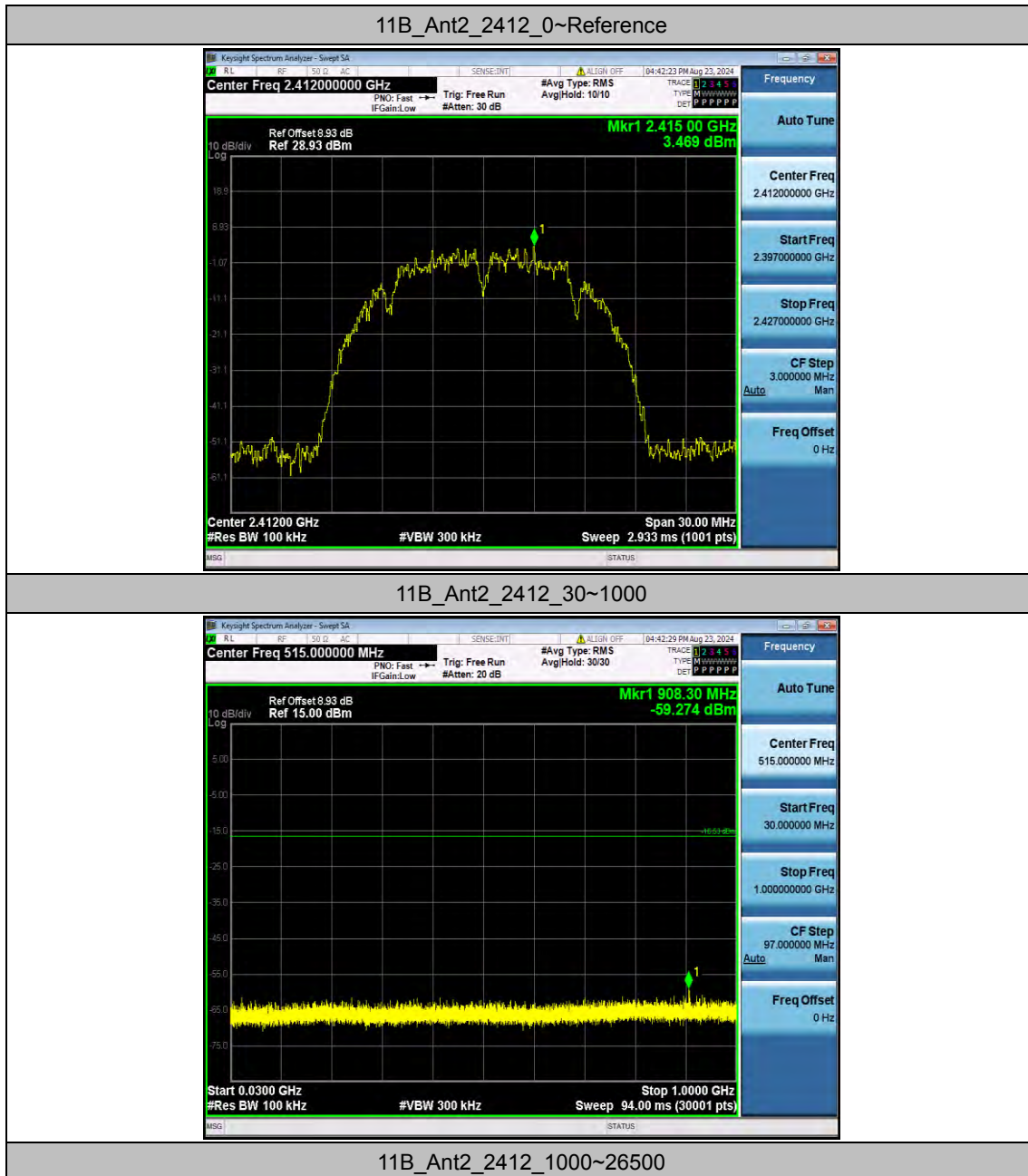


Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	3.47	3.47	---	PASS
			30~1000	3.47	-59.27	≤ -16.53	PASS
			1000~26500	3.47	-47.87	≤ -16.53	PASS
		2437	Reference	4.79	4.79	---	PASS
			30~1000	4.79	-60.8	≤ -15.21	PASS
			1000~26500	4.79	-47.52	≤ -15.21	PASS
		2462	Reference	5.36	5.36	---	PASS
			30~1000	5.36	-60.57	≤ -14.64	PASS
			1000~26500	5.36	-47.38	≤ -14.64	PASS
11G	Ant2	2412	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-60.9	≤ -20.79	PASS
			1000~26500	-0.79	-48.32	≤ -20.79	PASS
		2437	Reference	1.43	1.43	---	PASS
			30~1000	1.43	-60.21	≤ -18.57	PASS
			1000~26500	1.43	-47.87	≤ -18.57	PASS
		2462	Reference	3.60	3.60	---	PASS
			30~1000	3.60	-47.29	≤ -16.4	PASS
			1000~26500	3.60	-47.25	≤ -16.4	PASS
11N20SISO	Ant2	2412	Reference	3.16	3.16	---	PASS
			30~1000	3.16	-60.5	≤ -16.84	PASS
			1000~26500	3.16	-47.93	≤ -16.84	PASS
		2437	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-60.33	≤ -20.17	PASS
			1000~26500	-0.17	-47.75	≤ -20.17	PASS
		2462	Reference	2.09	2.09	---	PASS
			30~1000	2.09	-60.55	≤ -17.91	PASS
			1000~26500	2.09	-46.99	≤ -17.91	PASS
11N40SISO	Ant2	2422	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-60.81	≤ -20.26	PASS
			1000~26500	-0.26	-47.83	≤ -20.26	PASS
		2437	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-61.09	≤ -19.89	PASS
			1000~26500	0.11	-48.08	≤ -19.89	PASS
		2452	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-60.67	≤ -21.26	PASS
			1000~26500	-1.26	-47.62	≤ -21.26	PASS

Test Graphs

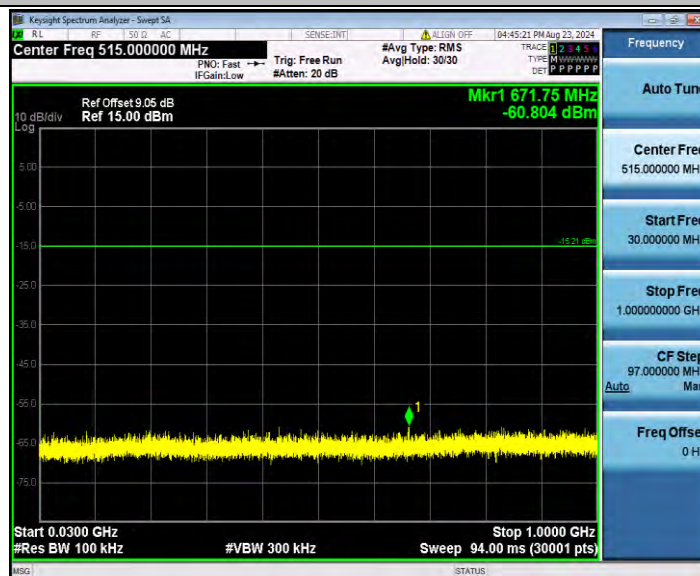




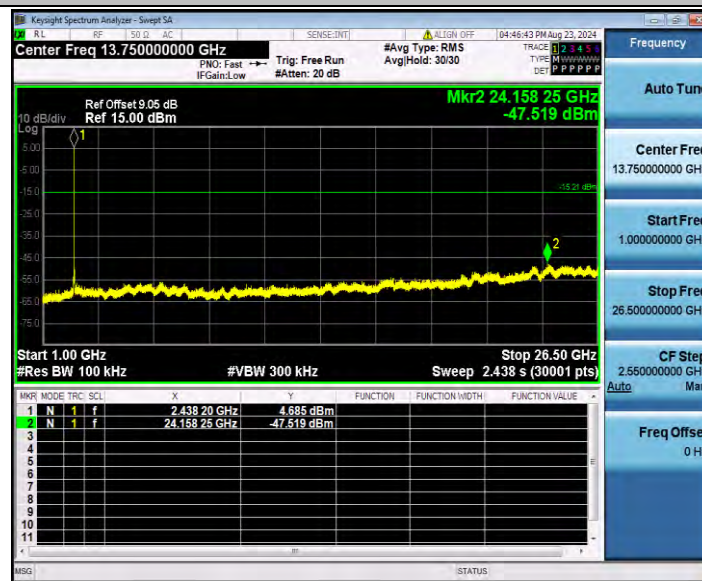
11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



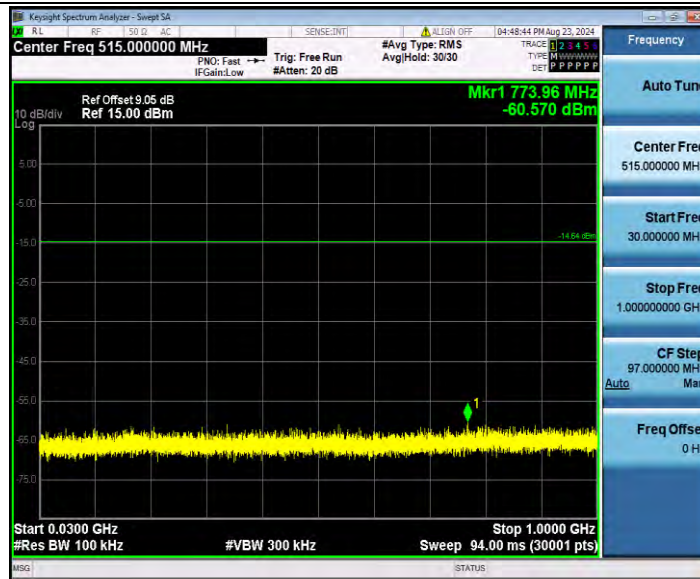
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



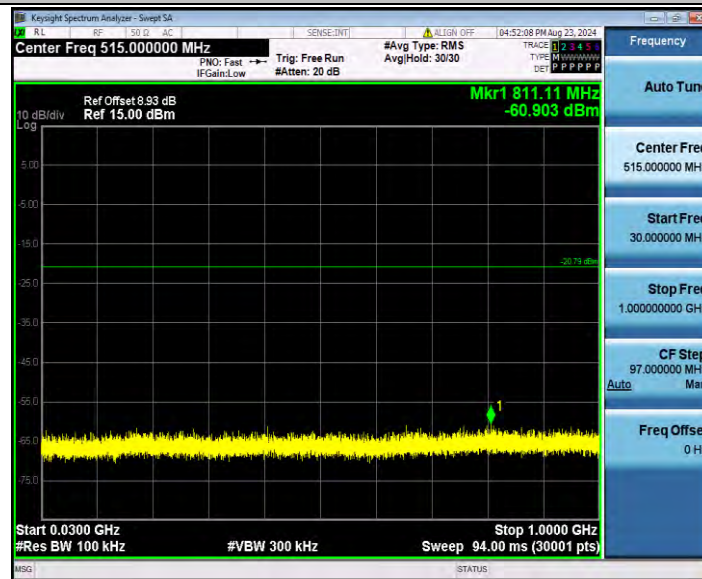
11B_Ant2_2462_1000~26500



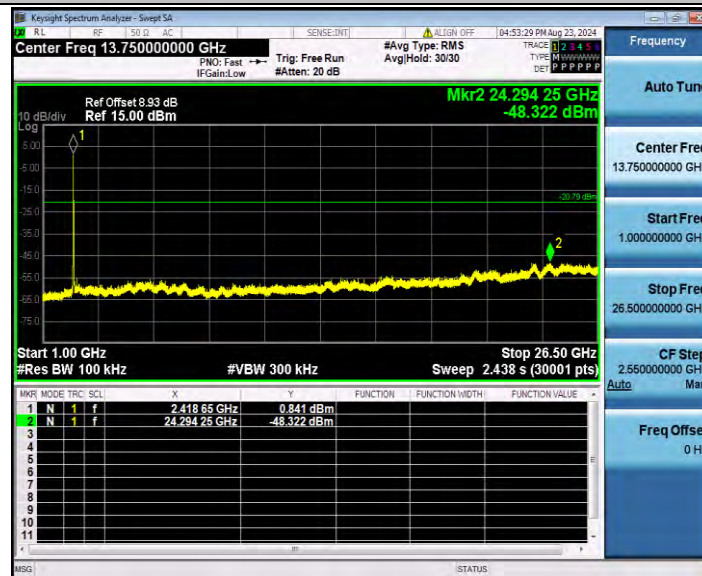
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



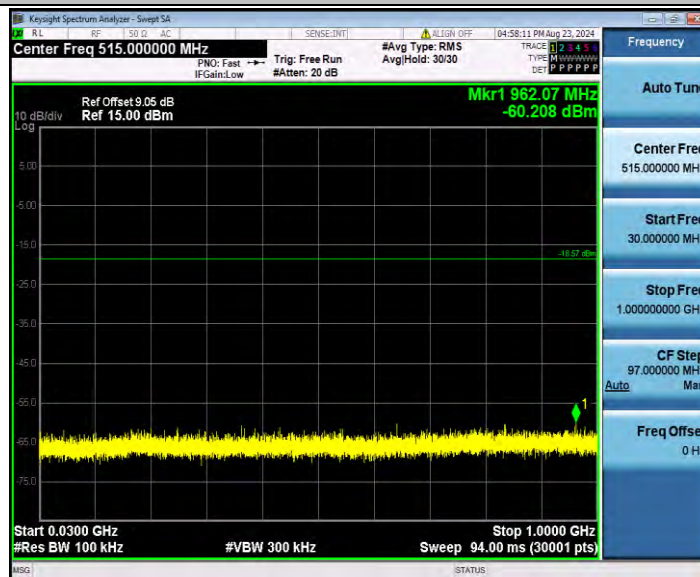
11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



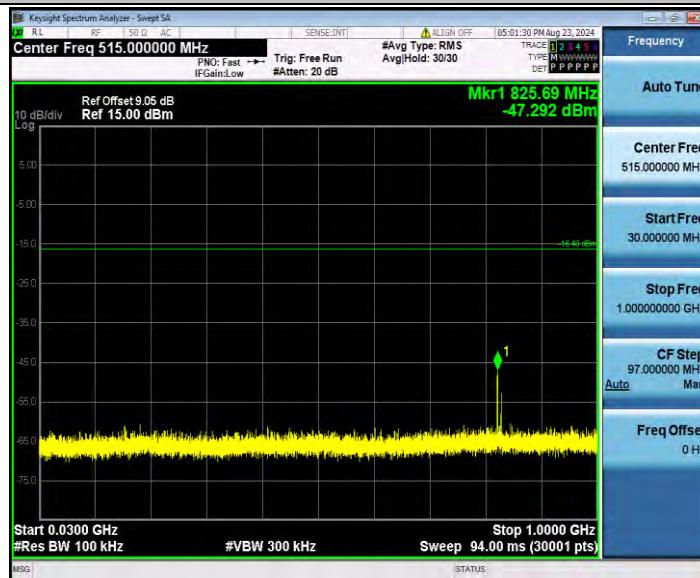
11G_Ant2_2437_1000~26500



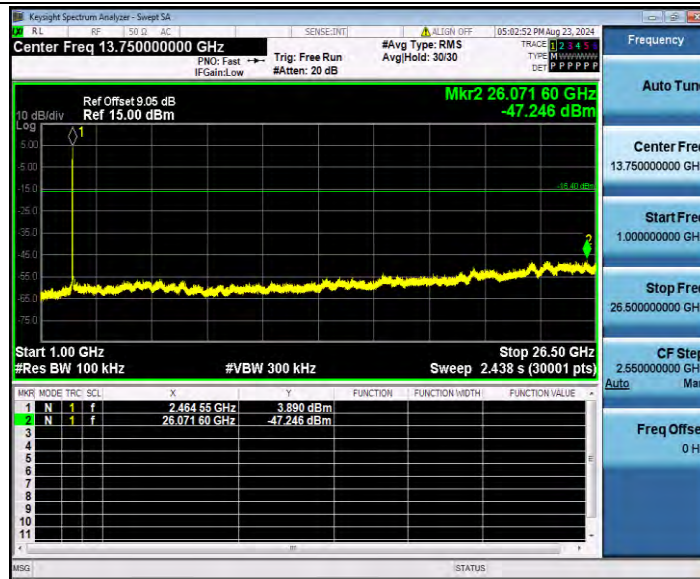
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



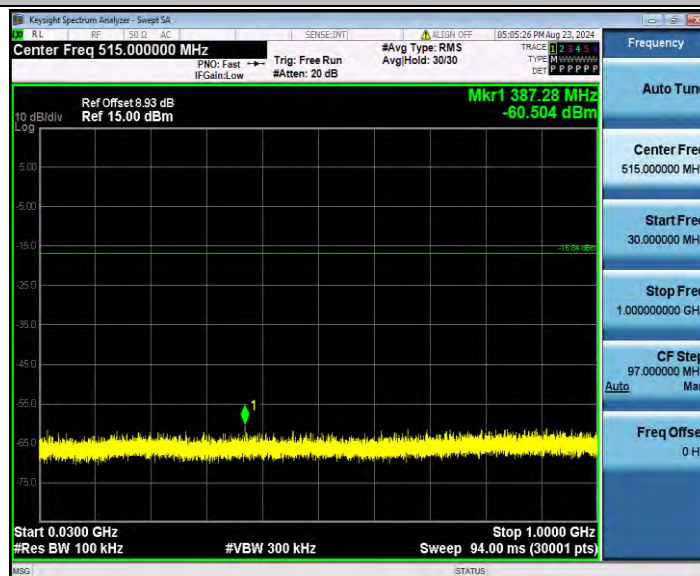
11G_Ant2_2462_1000~26500



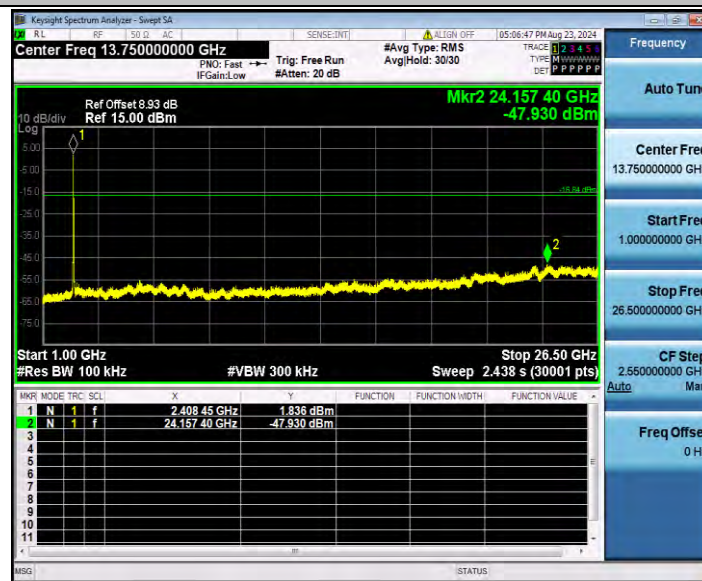
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



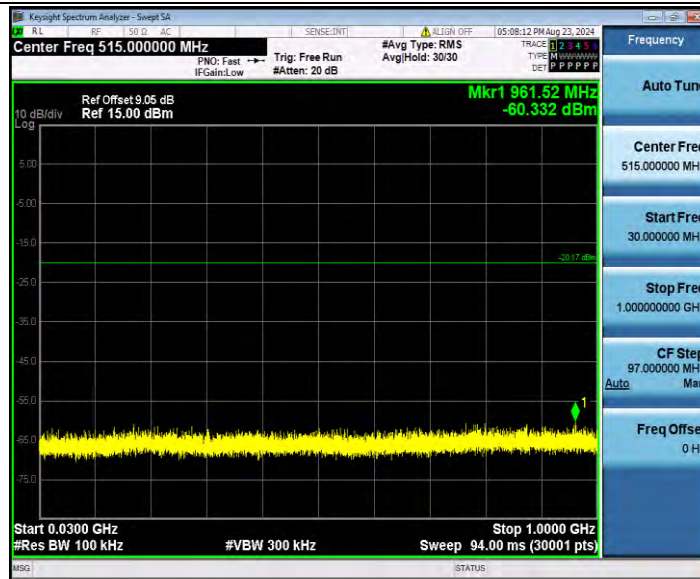
11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



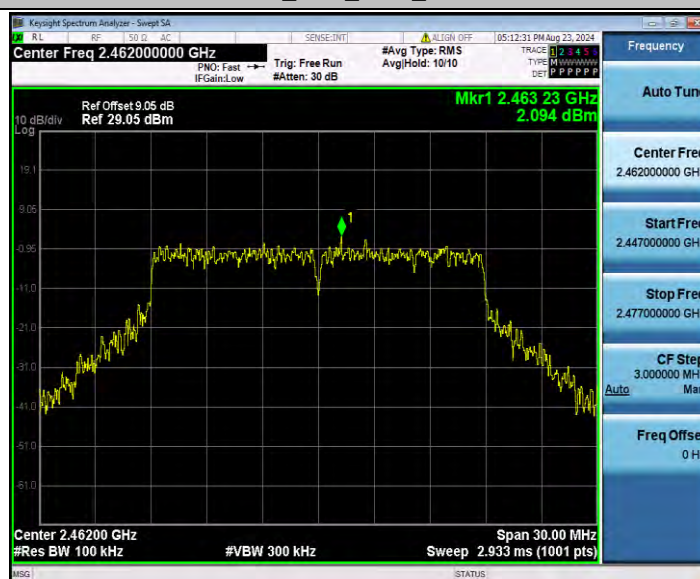
11N20SISO_Ant2_2437_30~1000

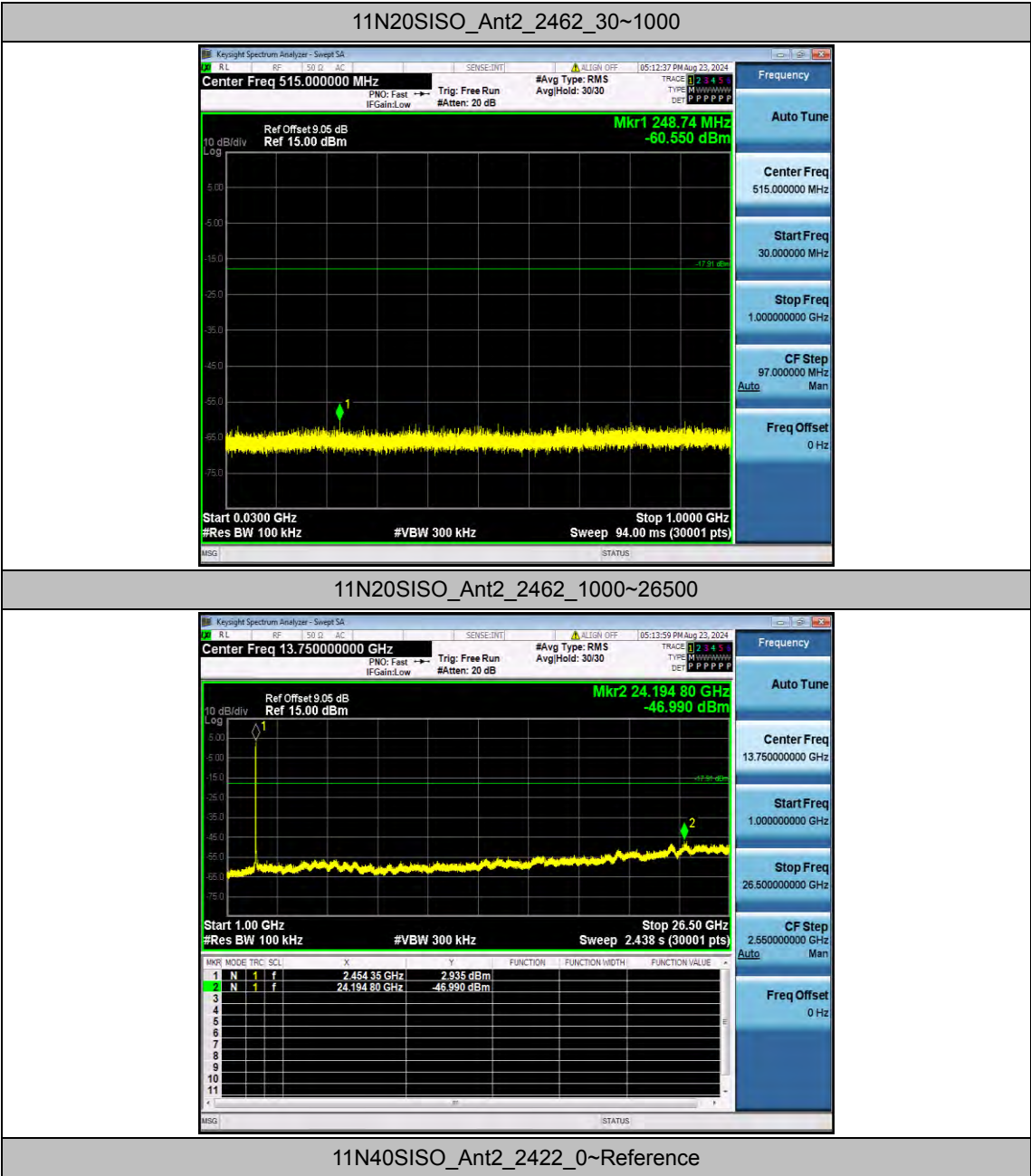


11N20SISO_Ant2_2437_1000~26500



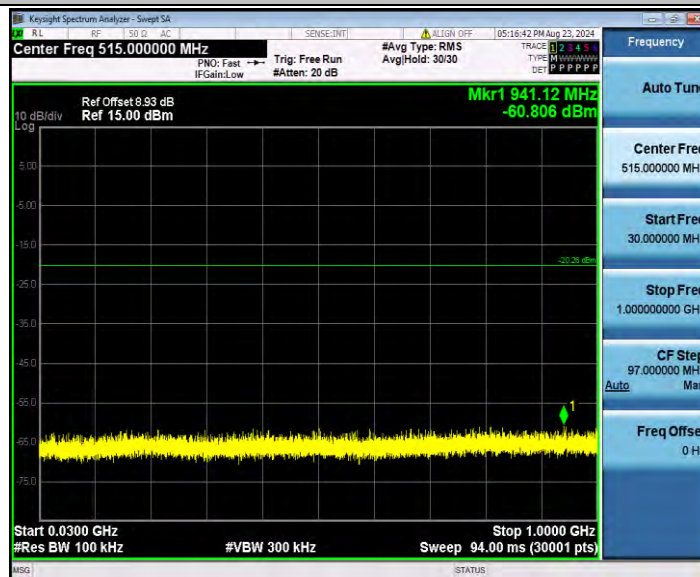
11N20SISO_Ant2_2462_0~Reference







11N40SISO_Ant2_2422_30~1000



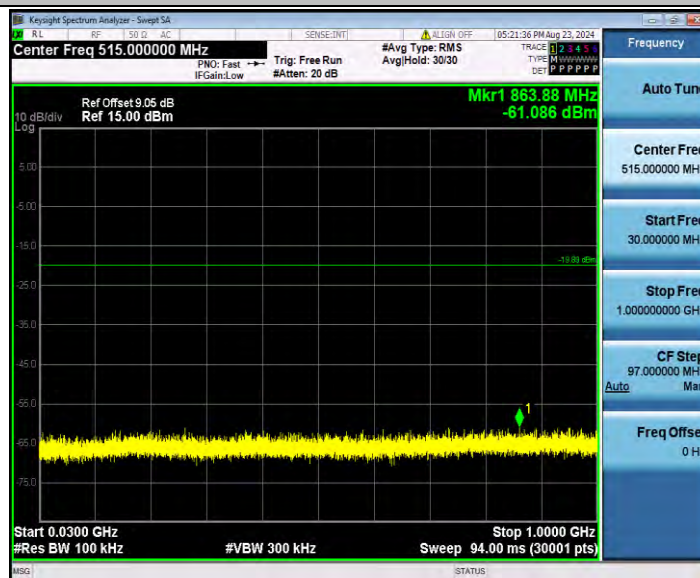
11N40SISO_Ant2_2422_1000~26500



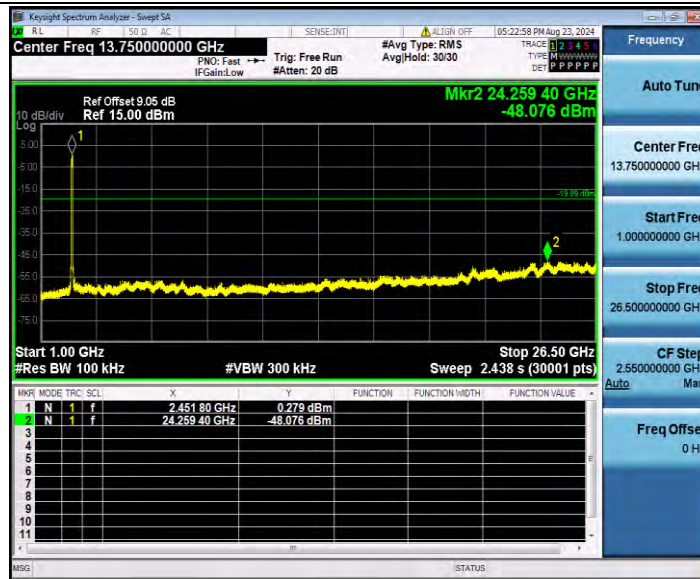
11N40SISO_Ant2_2437_0~Reference



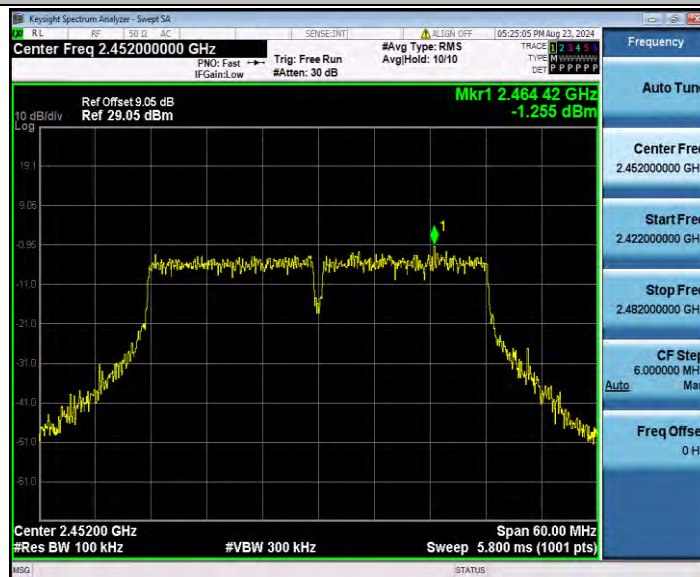
11N40SISO_Ant2_2437_30~1000



11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000

