

Case No. : <u>GTS20230203009-1-12</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.20</u> Test Engineer: <u>Jenny zeng</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	11.040	2406.000	2417.040	0.5	PASS
		2437	10.040	2432.000	2442.040	0.5	PASS
		2462	10.080	2456.920	2467.000	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	15.320	2429.240	2444.560	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.200	2420.520	0.5	PASS
		2437	16.960	2428.520	2445.480	0.5	PASS
		2462	17.640	2453.200	2470.840	0.5	PASS
11N40SISO	Ant1	2422	35.520	2404.400	2439.920	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.000	2434.160	2470.160	0.5	PASS

Test Graphs

11B_Ant1_2412



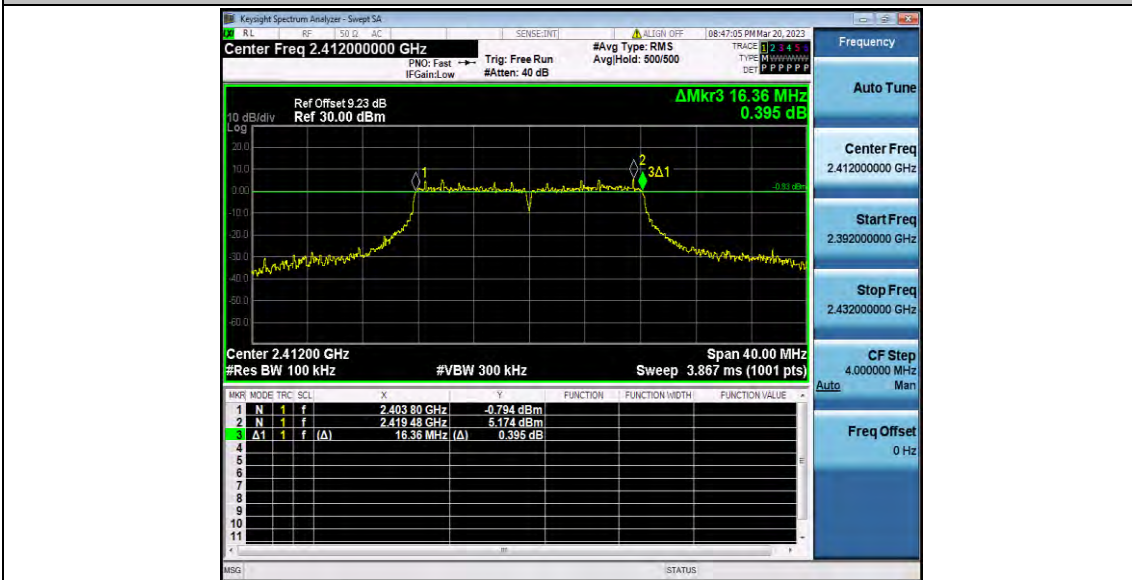
11B_Ant1_2437



11B_Ant1_2462



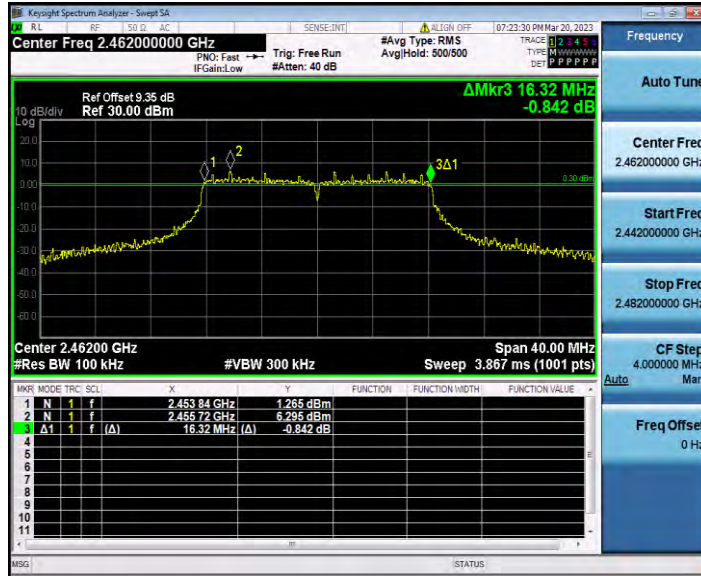
11G_Ant1_2412



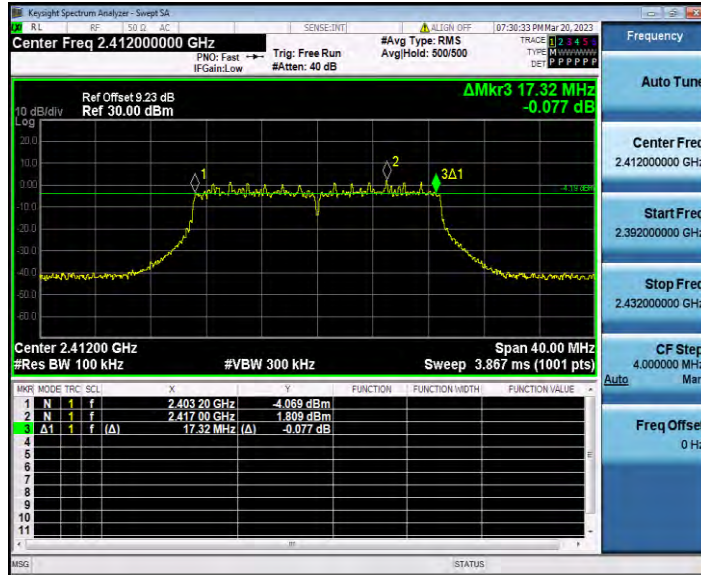
11G_Ant1_2437



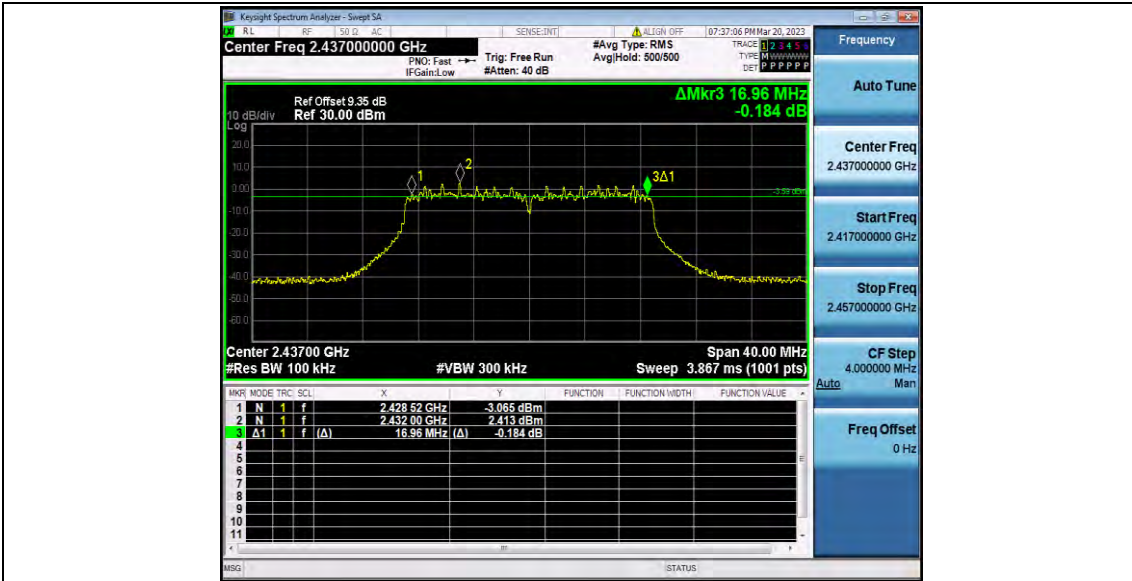
11G_Ant1_2462



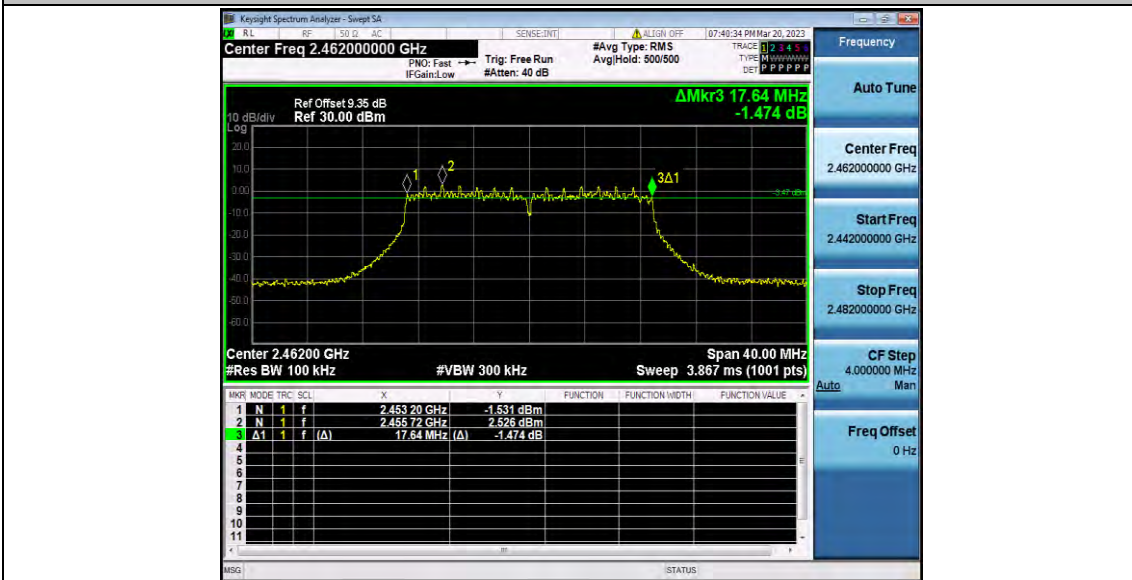
11N20SISO_Ant1_2412



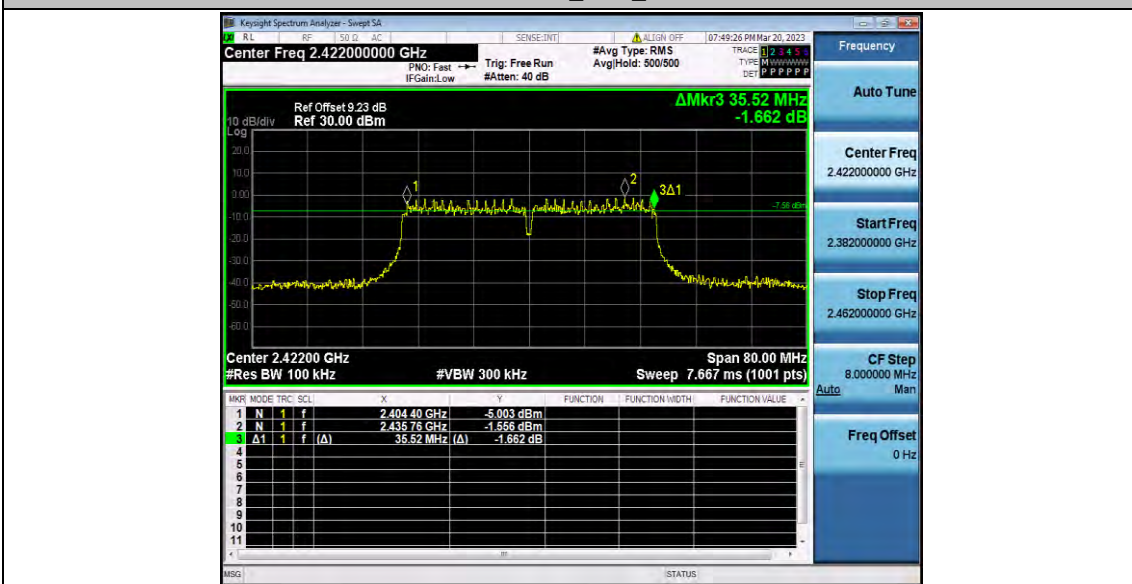
11N20SISO_Ant1_2437



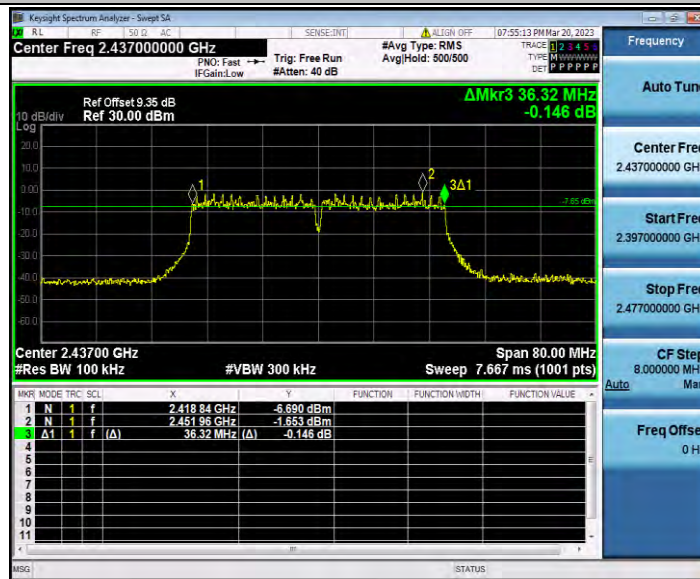
11N20SISO_Ant1_2462



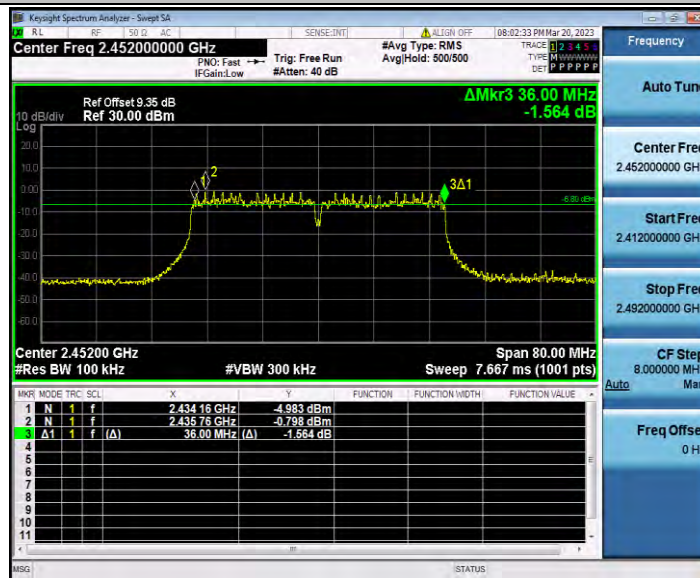
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

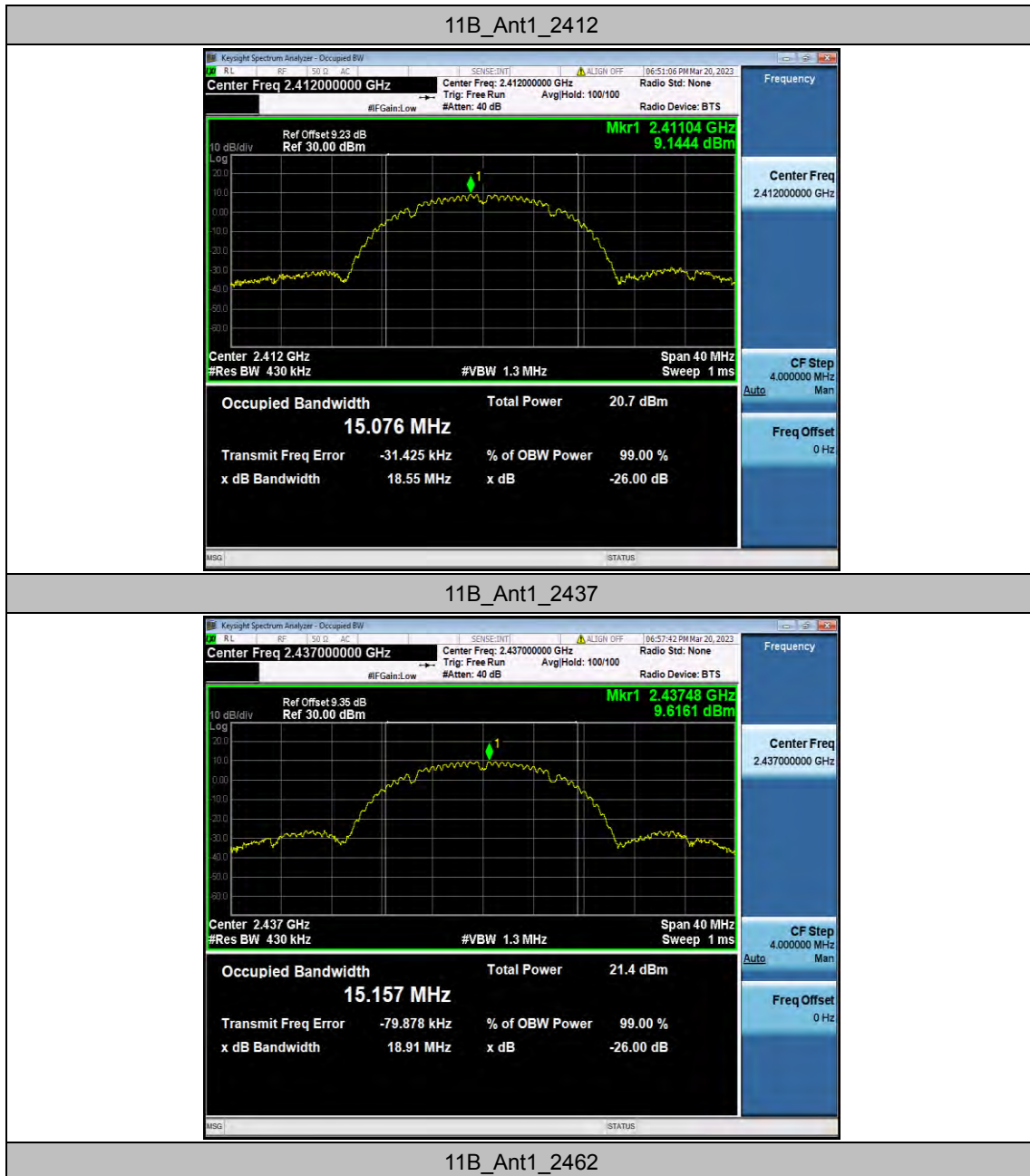


Appendix C.2: Occupied Channel Bandwidth

Test Result

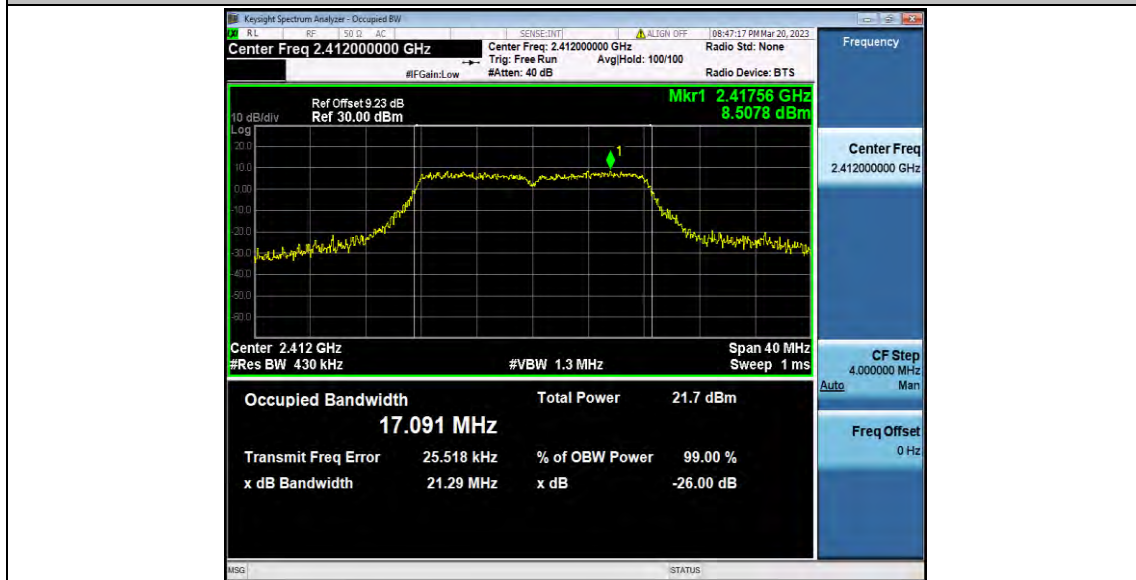
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.076	2404.431	2419.507	---	---
		2437	15.157	2429.342	2444.499	---	---
		2462	15.114	2454.341	2469.455	---	---
11G	Ant1	2412	17.091	2403.480	2420.571	---	---
		2437	17.213	2428.367	2445.580	---	---
		2462	17.191	2453.408	2470.599	---	---
11N20SISO	Ant1	2412	17.841	2403.084	2420.925	---	---
		2437	17.831	2428.024	2445.855	---	---
		2462	17.968	2453.051	2471.019	---	---
11N40SISO	Ant1	2422	36.304	2403.860	2440.164	---	---
		2437	36.531	2418.858	2455.389	---	---
		2452	36.384	2433.780	2470.164	---	---

Test Graphs





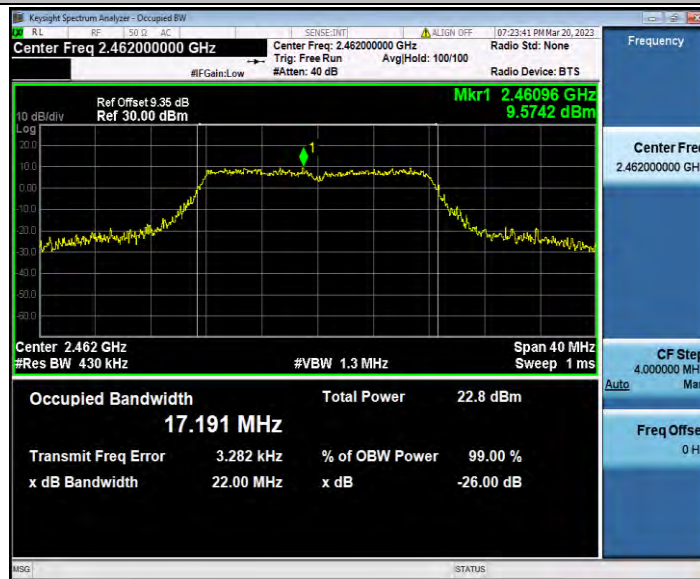
11G_Ant1_2412



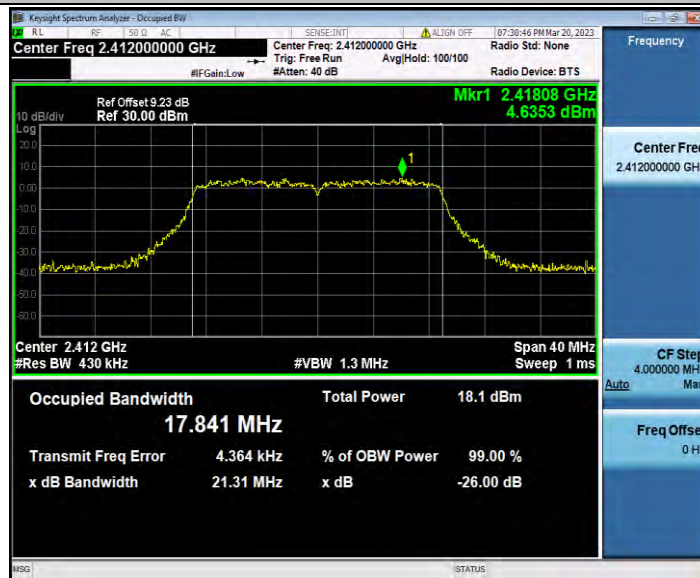
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



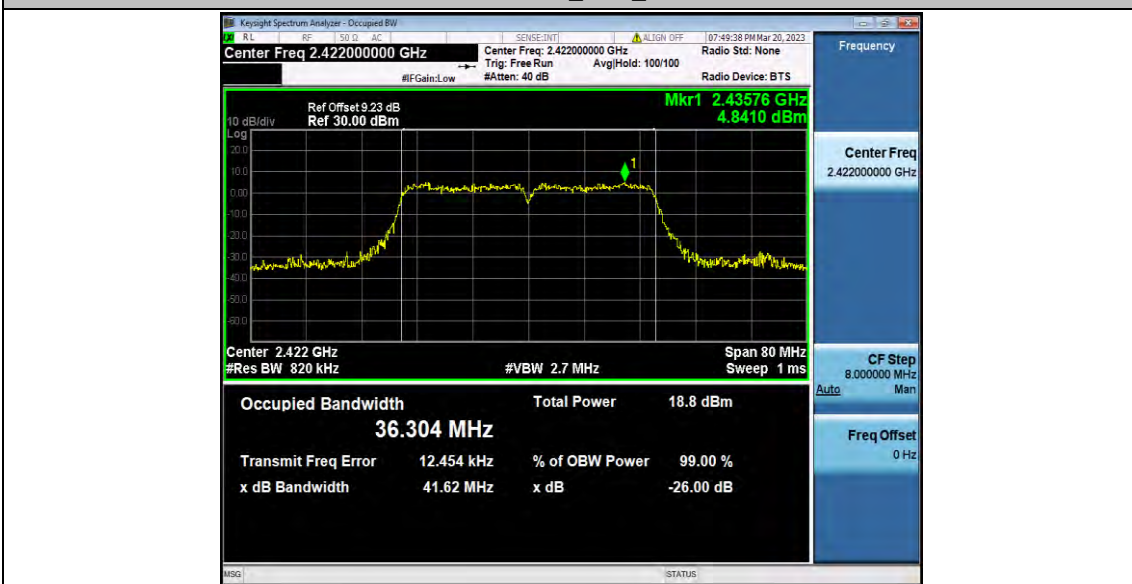
11N20SISO_Ant1_2437



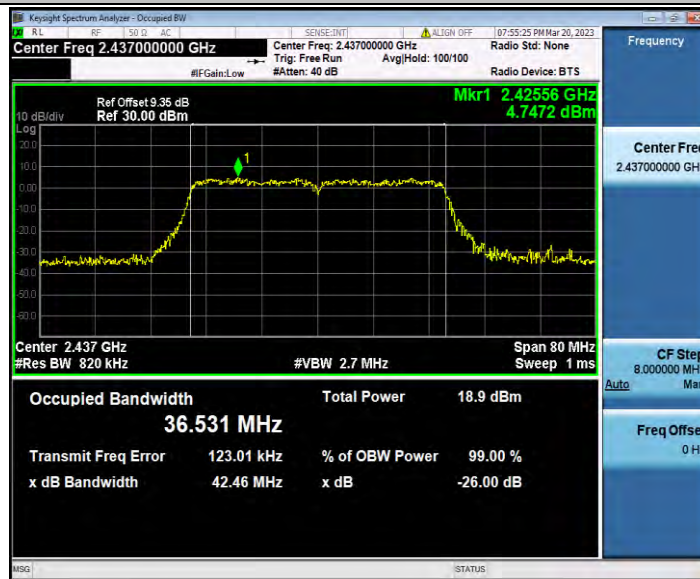
11N20SISO_Ant1_2462



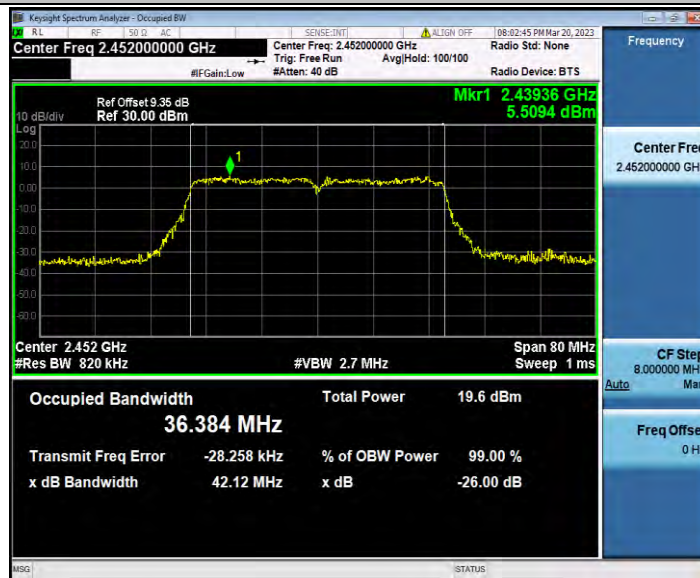
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	20.56	≤30.00	PASS
		2437	21.11	≤30.00	PASS
		2462	21.33	≤30.00	PASS
11G	Ant1	2412	22.92	≤30.00	PASS
		2437	23.29	≤30.00	PASS
		2462	23.86	≤30.00	PASS
11N20SISO	Ant1	2412	19.04	≤30.00	PASS
		2437	19.69	≤30.00	PASS
		2462	18.64	≤30.00	PASS
11N40SISO	Ant1	2422	19.02	≤30.00	PASS
		2437	19.21	≤30.00	PASS
		2452	19.71	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

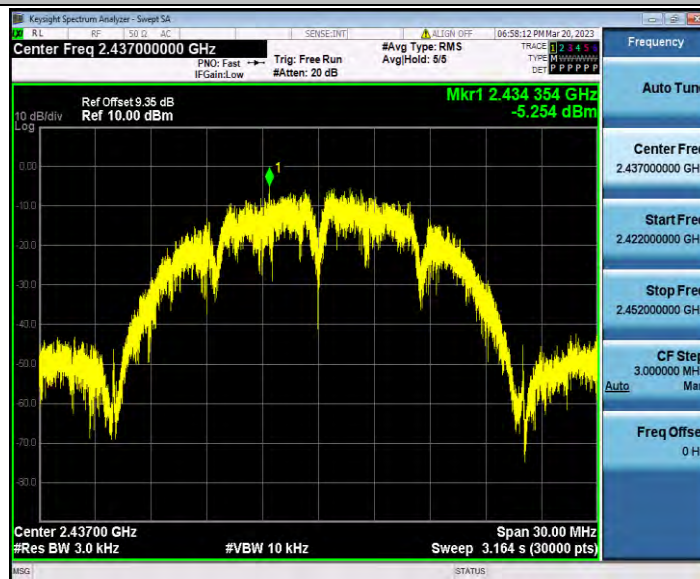
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.56	≤8.00	PASS
		2437	-5.25	≤8.00	PASS
		2462	-5.82	≤8.00	PASS
11G	Ant1	2412	-9.6	≤8.00	PASS
		2437	-8.21	≤8.00	PASS
		2462	-8.5	≤8.00	PASS
11N20SISO	Ant1	2412	-15.32	≤8.00	PASS
		2437	-13.68	≤8.00	PASS
		2462	-13.32	≤8.00	PASS
11N40SISO	Ant1	2422	-16.67	≤8.00	PASS
		2437	-16.84	≤8.00	PASS
		2452	-15.93	≤8.00	PASS

Test Graphs

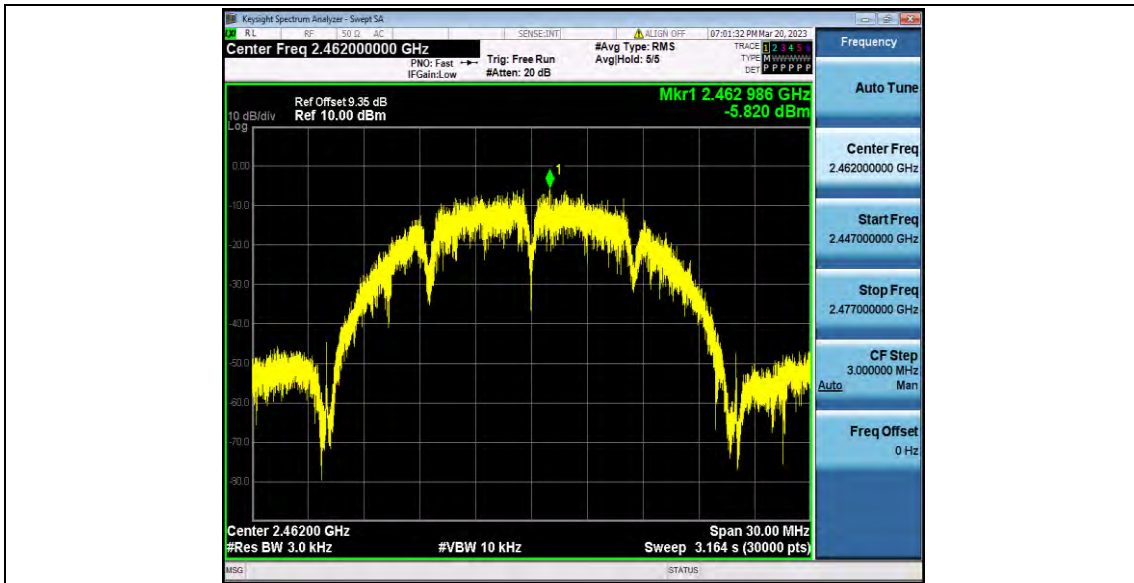
11B_Ant1_2412



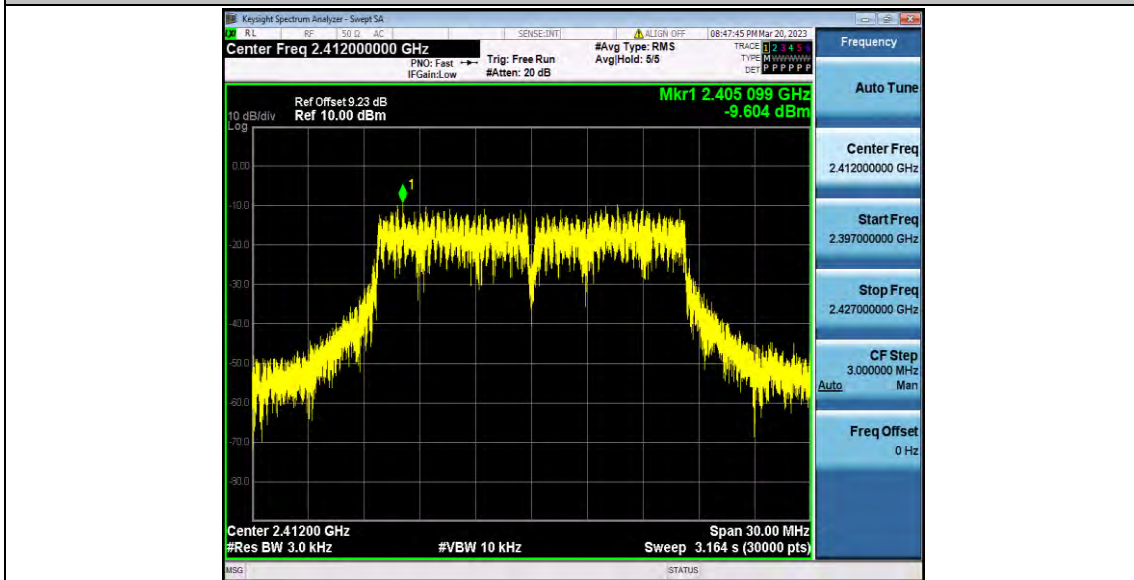
11B_Ant1_2437



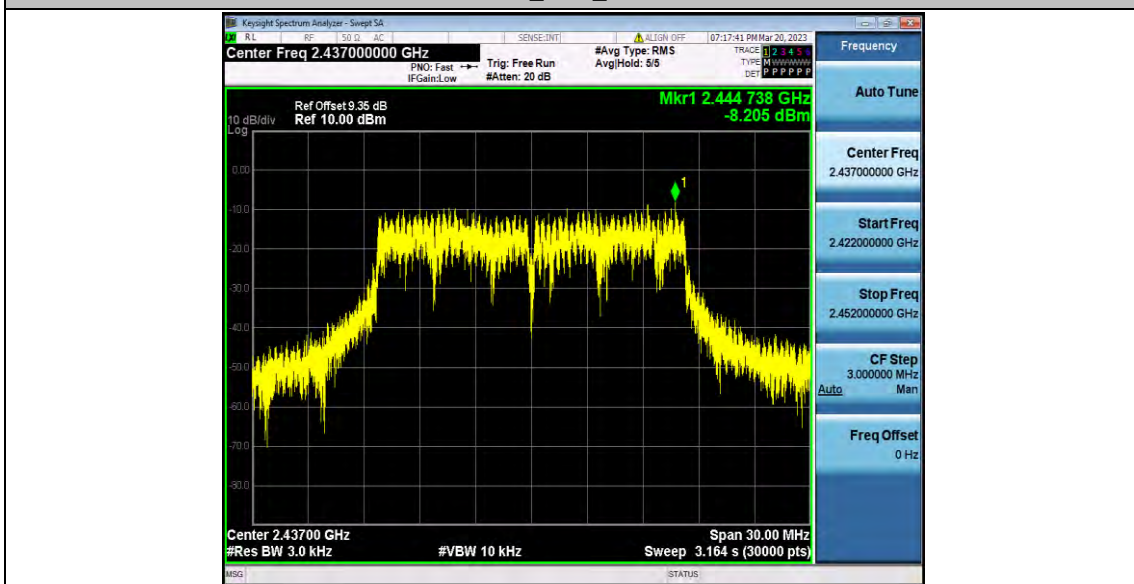
11B_Ant1_2462



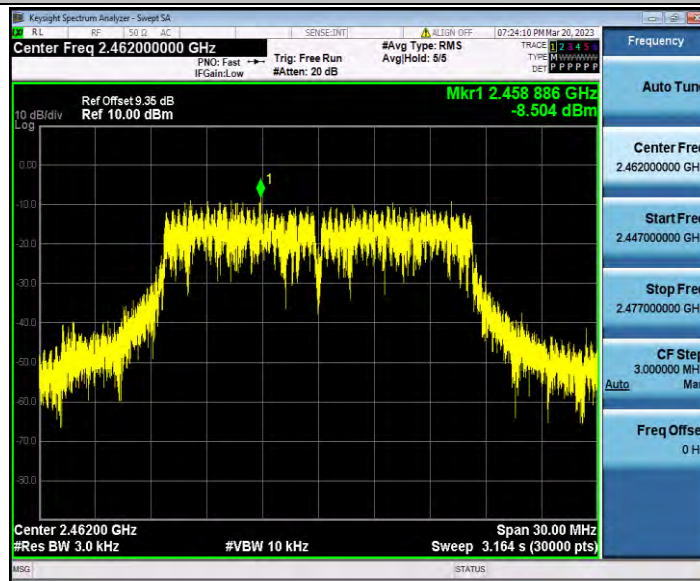
11G_Ant1_2412



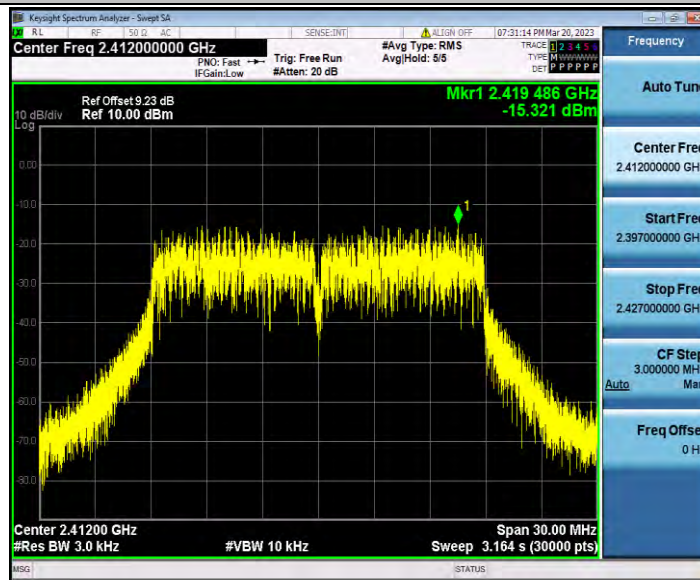
11G_Ant1_2437



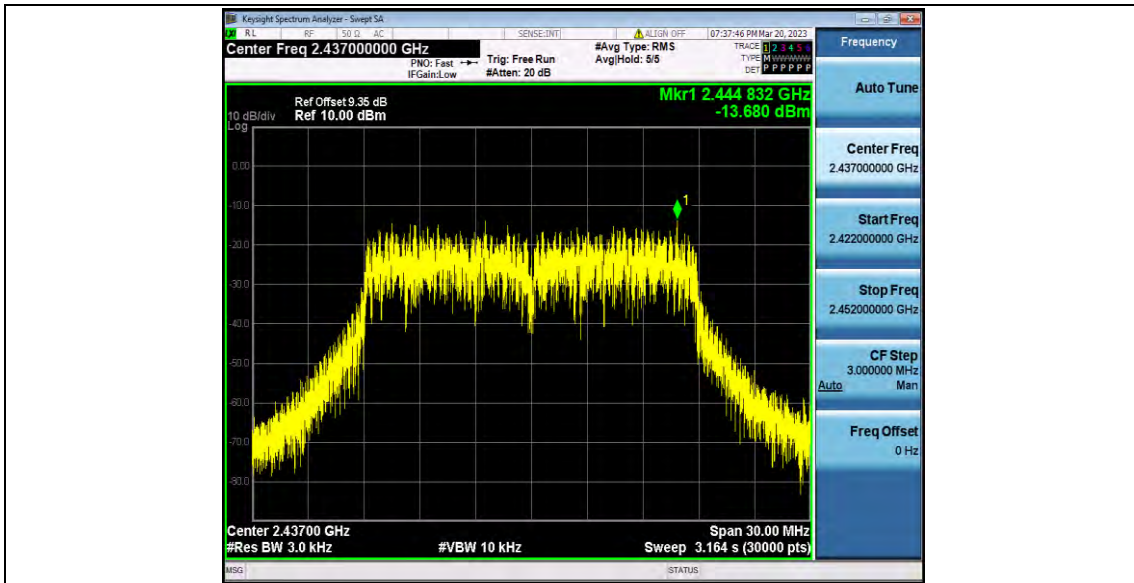
11G_Ant1_2462



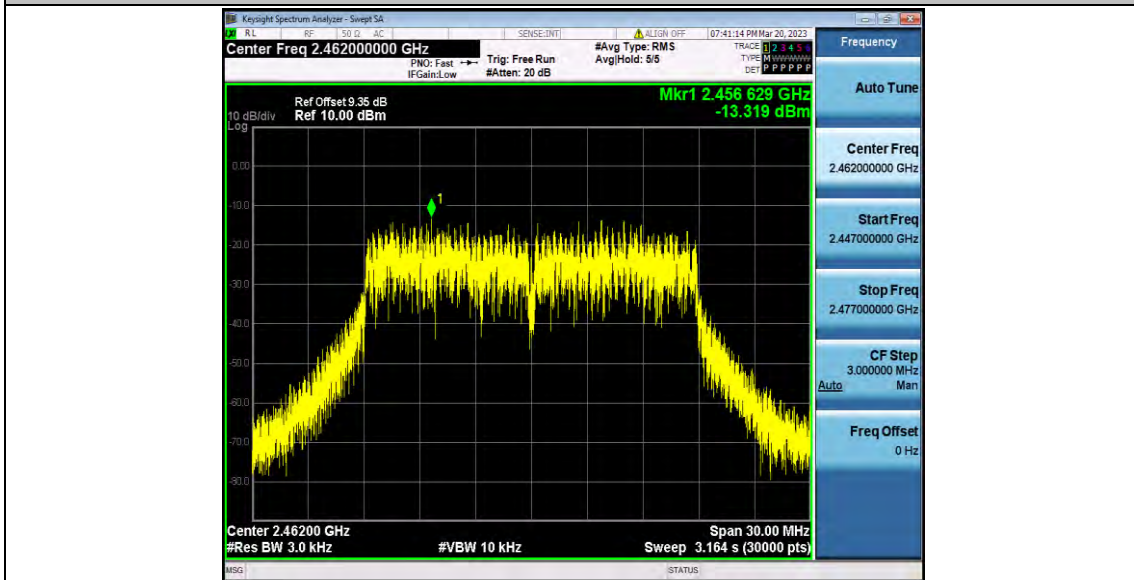
11N20SISO_Ant1_2412



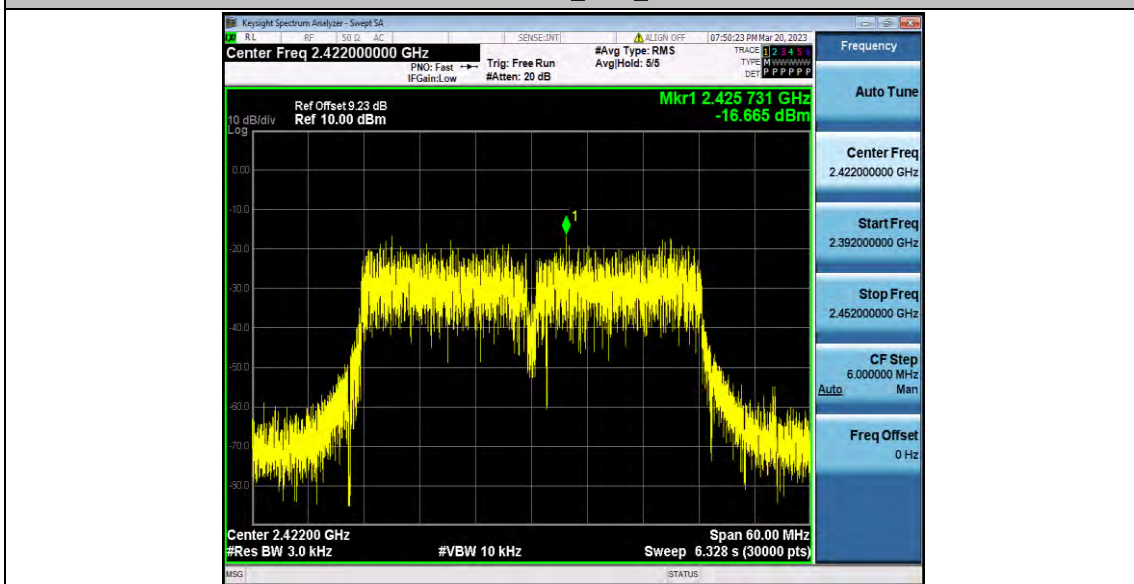
11N20SISO_Ant1_2437



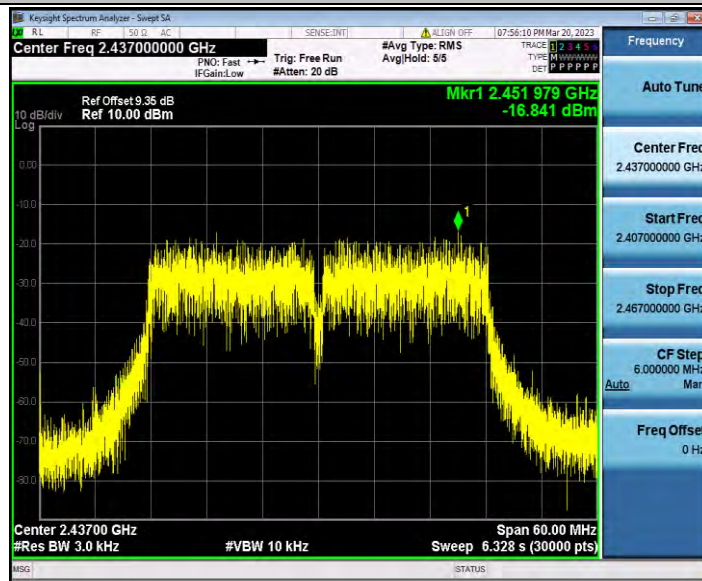
11N20SISO_Ant1_2462



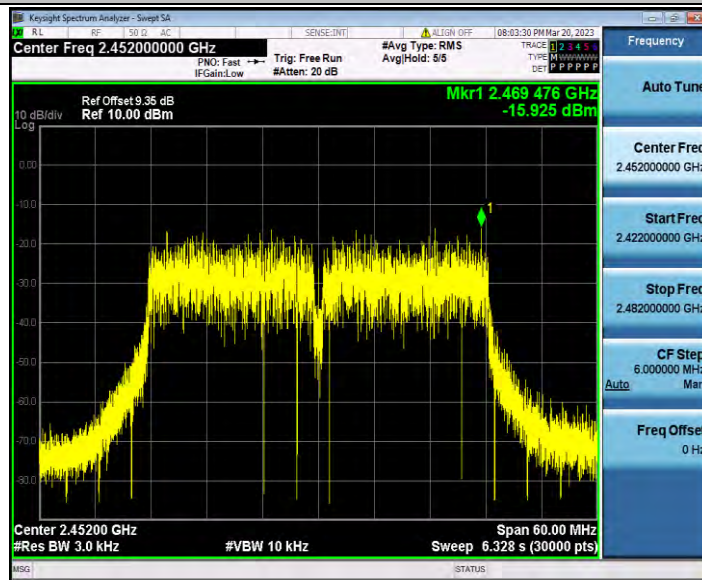
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.5: Band edge measurements

Test Result

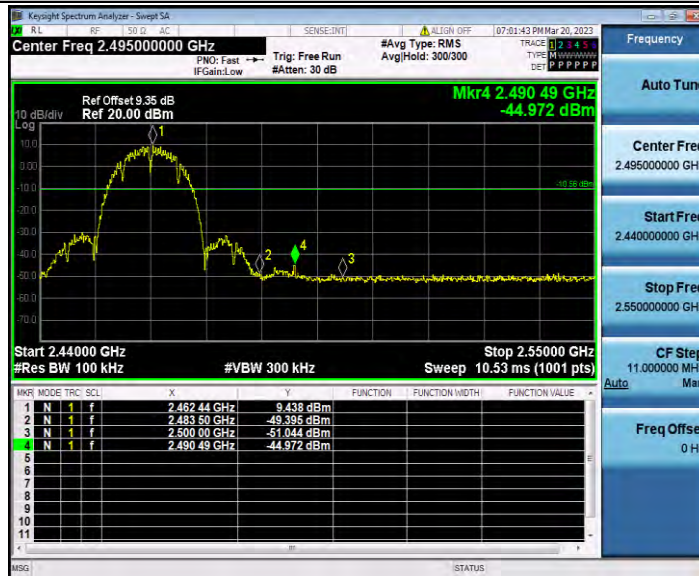
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.09	-32.2	≤-11.91	PASS
		High	2462	9.44	-44.97	≤-10.56	PASS
11G	Ant1	Low	2412	4.68	-26.18	≤-15.32	PASS
		High	2462	6.43	-35.45	≤-13.57	PASS
11N20SISO	Ant1	Low	2412	1.33	-38.27	≤-18.67	PASS
		High	2462	2.14	-48.25	≤-17.86	PASS
11N40SISO	Ant1	Low	2422	-1.85	-38.23	≤-21.85	PASS
		High	2452	-1.24	-40.75	≤-21.24	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



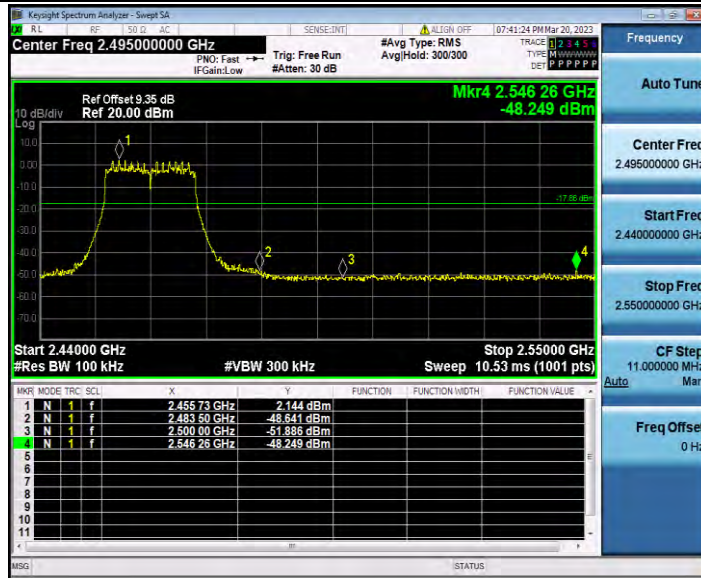
11G_Ant1_High_2462



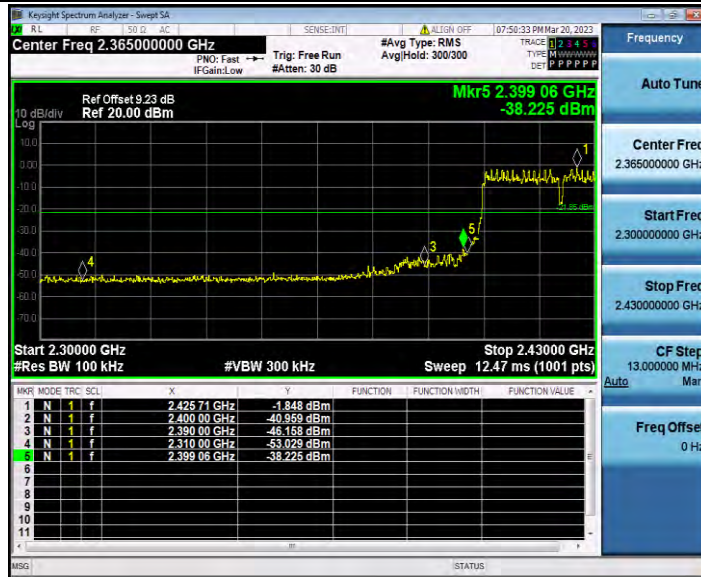
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

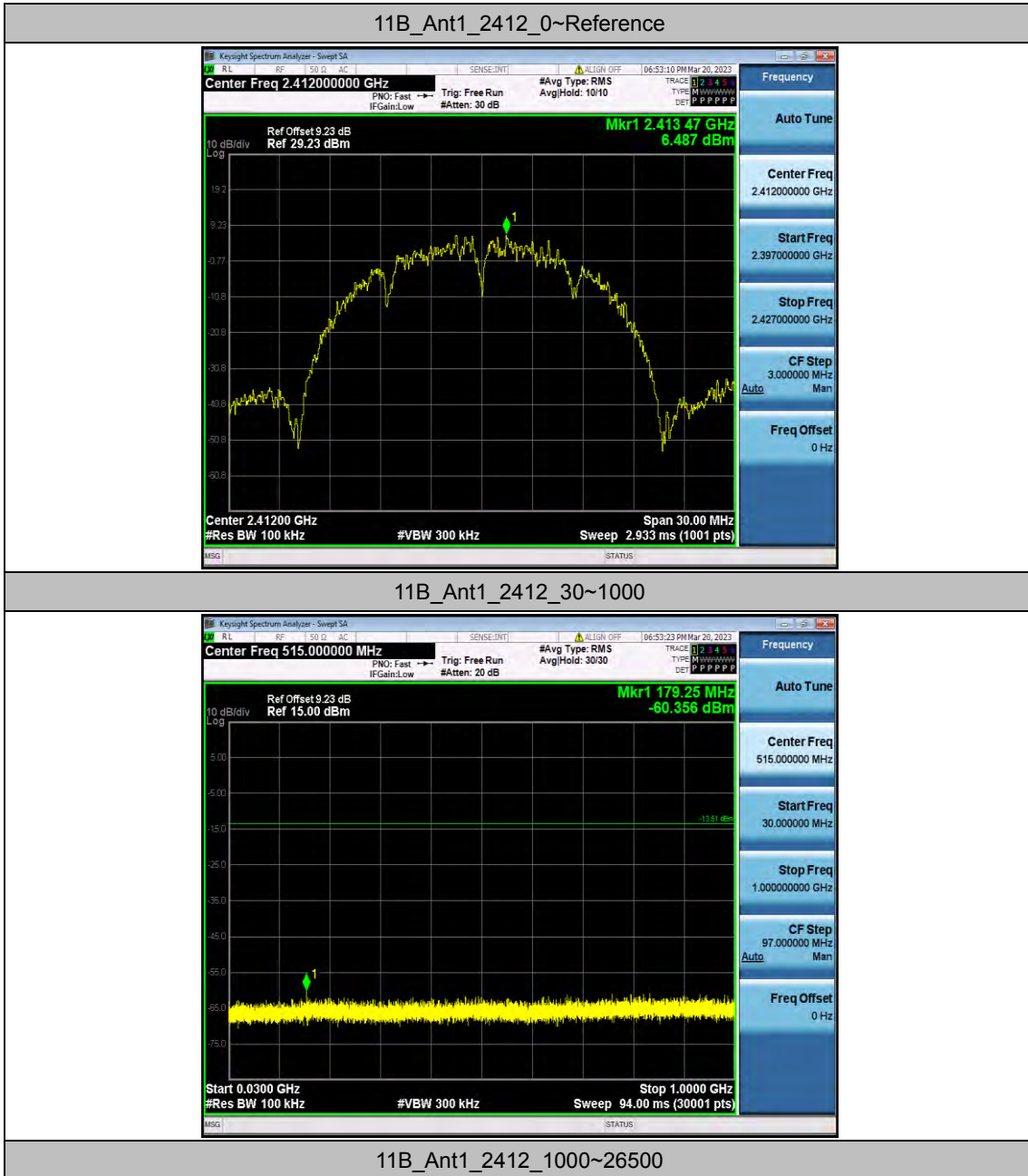


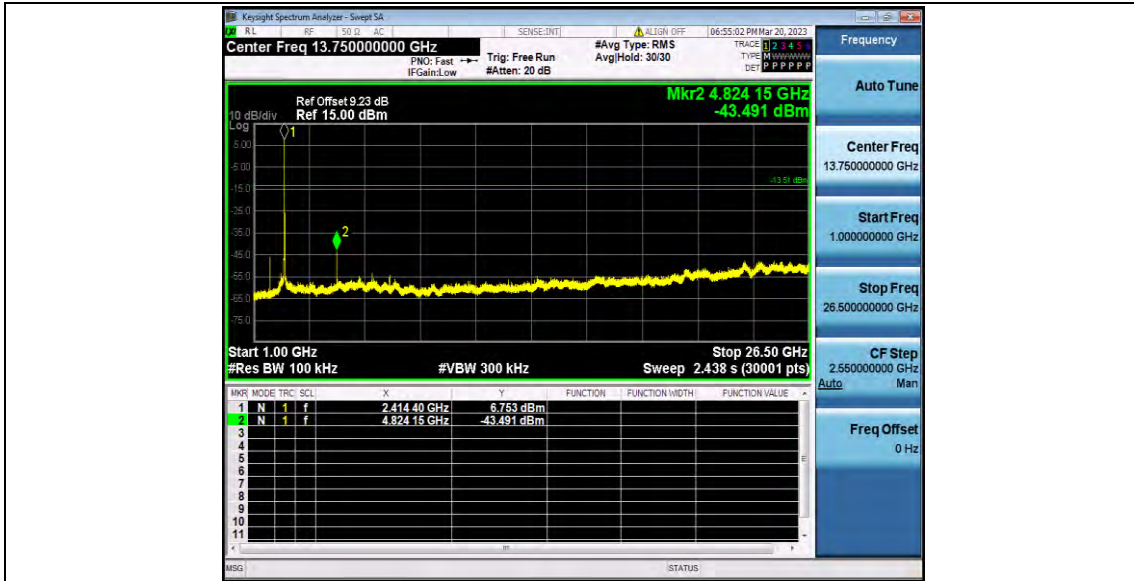
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.49	6.49	---	PASS
			30~1000	6.49	-60.36	≤-13.51	PASS
			1000~26500	6.49	-43.49	≤-13.51	PASS
		2437	Reference	6.80	6.80	---	PASS
			30~1000	6.80	-60.29	≤-13.2	PASS
			1000~26500	6.80	-37.97	≤-13.2	PASS
		2462	Reference	7.34	7.34	---	PASS
			30~1000	7.34	-60.13	≤-12.66	PASS
			1000~26500	7.34	-40.94	≤-12.66	PASS
11G	Ant1	2412	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-60.79	≤-19.66	PASS
			1000~26500	0.34	-47.4	≤-19.66	PASS
		2437	Reference	2.61	2.61	---	PASS
			30~1000	2.61	-60.63	≤-17.39	PASS
			1000~26500	2.61	-47.98	≤-17.39	PASS
		2462	Reference	4.32	4.32	---	PASS
			30~1000	4.32	-60.72	≤-15.68	PASS
			1000~26500	4.32	-47.91	≤-15.68	PASS
11N20SISO	Ant1	2412	Reference	0.53	0.53	---	PASS
			30~1000	0.53	-60.51	≤-19.47	PASS
			1000~26500	0.53	-47.52	≤-19.47	PASS
		2437	Reference	1.30	1.30	---	PASS
			30~1000	1.30	-60.17	≤-18.7	PASS
			1000~26500	1.30	-47.53	≤-18.7	PASS
		2462	Reference	1.16	1.16	---	PASS
			30~1000	1.16	-56.87	≤-18.84	PASS
			1000~26500	1.16	-46.82	≤-18.84	PASS
11N40SISO	Ant1	2422	Reference	-2.59	-2.59	---	PASS
			30~1000	-2.59	-60.76	≤-22.59	PASS
			1000~26500	-2.59	-46.92	≤-22.59	PASS
		2437	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-60.33	≤-22.66	PASS
			1000~26500	-2.66	-47.18	≤-22.66	PASS
		2452	Reference	-2.06	-2.06	---	PASS
			30~1000	-2.06	-59.73	≤-22.06	PASS
			1000~26500	-2.06	-40.32	≤-22.06	PASS

Test Graphs

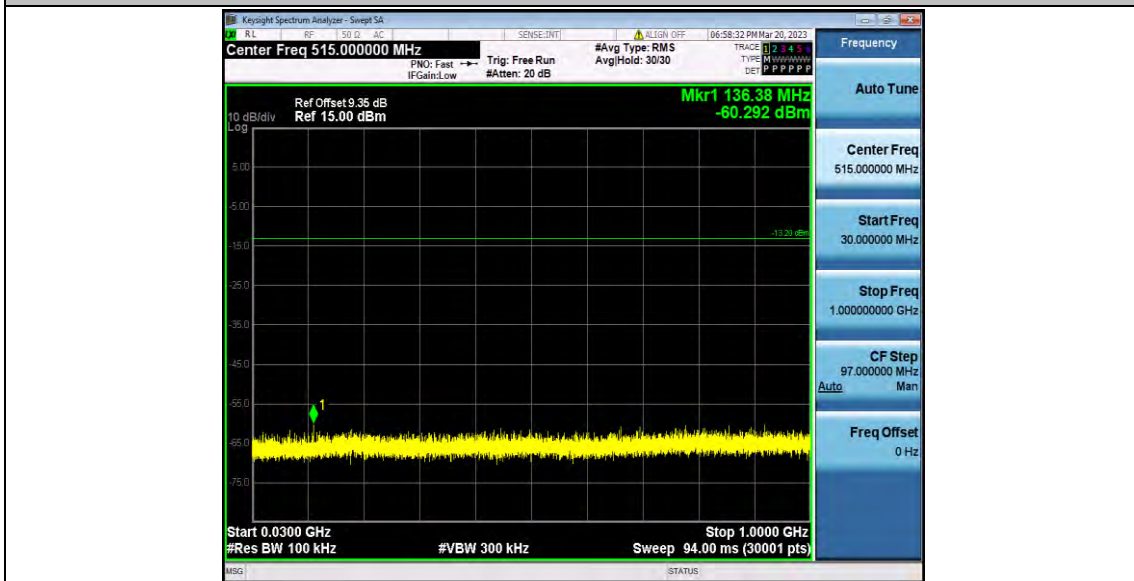




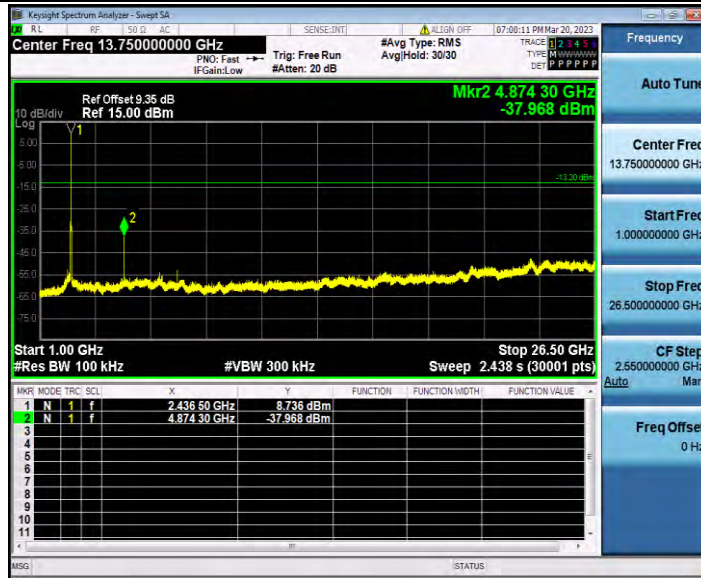
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



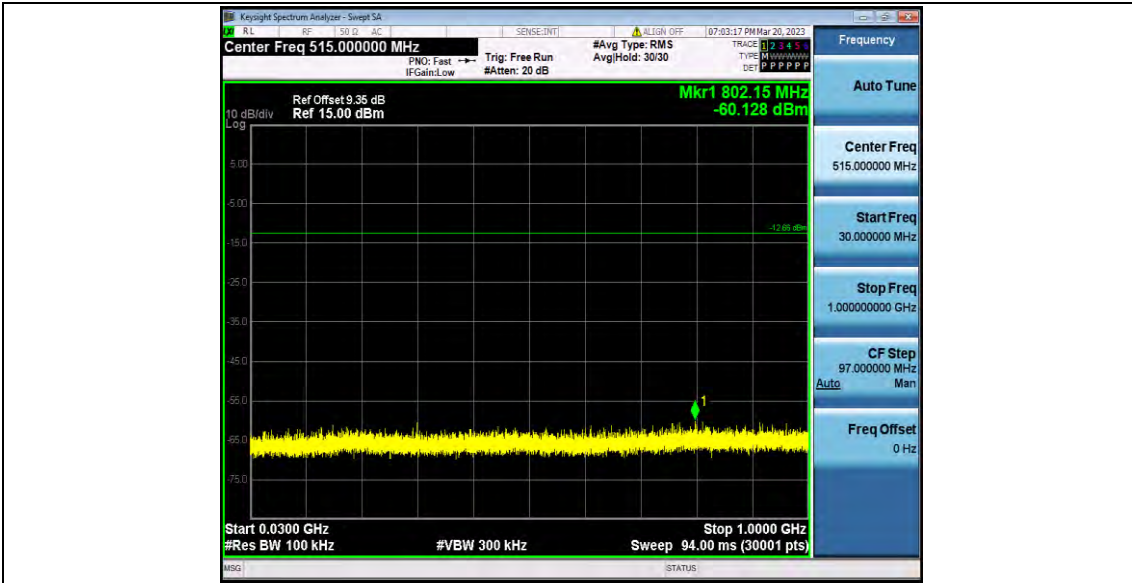
11B_Ant1_2437_1000~26500



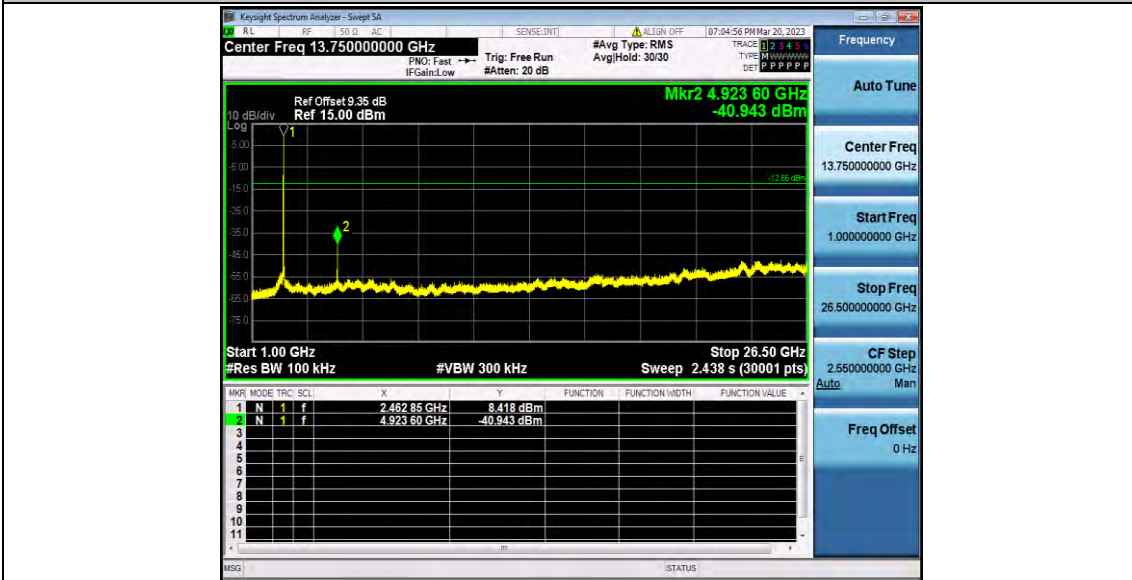
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



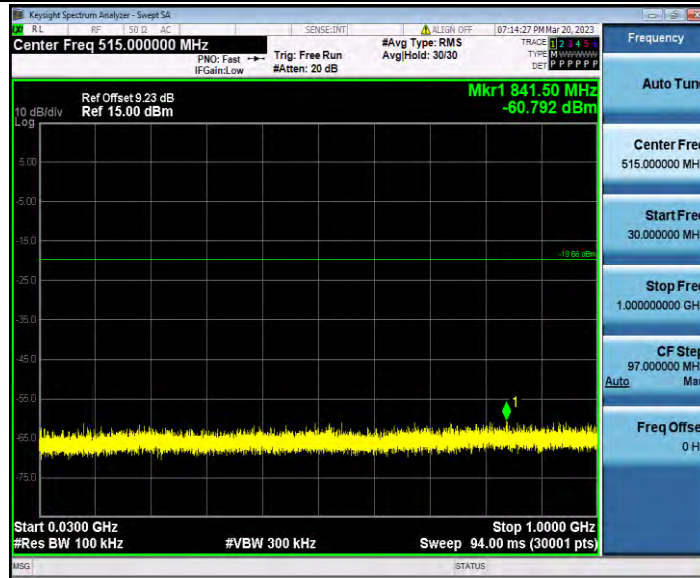
11B_Ant1_2462_1000~26500



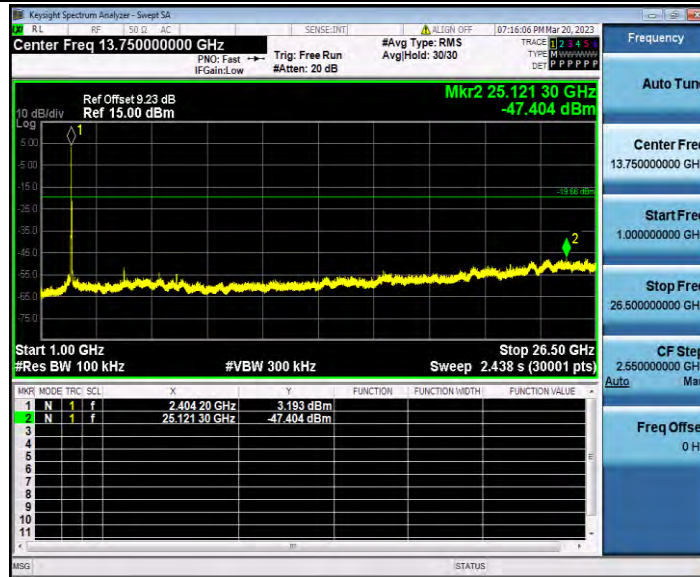
11G_Ant1_2412_0~Reference



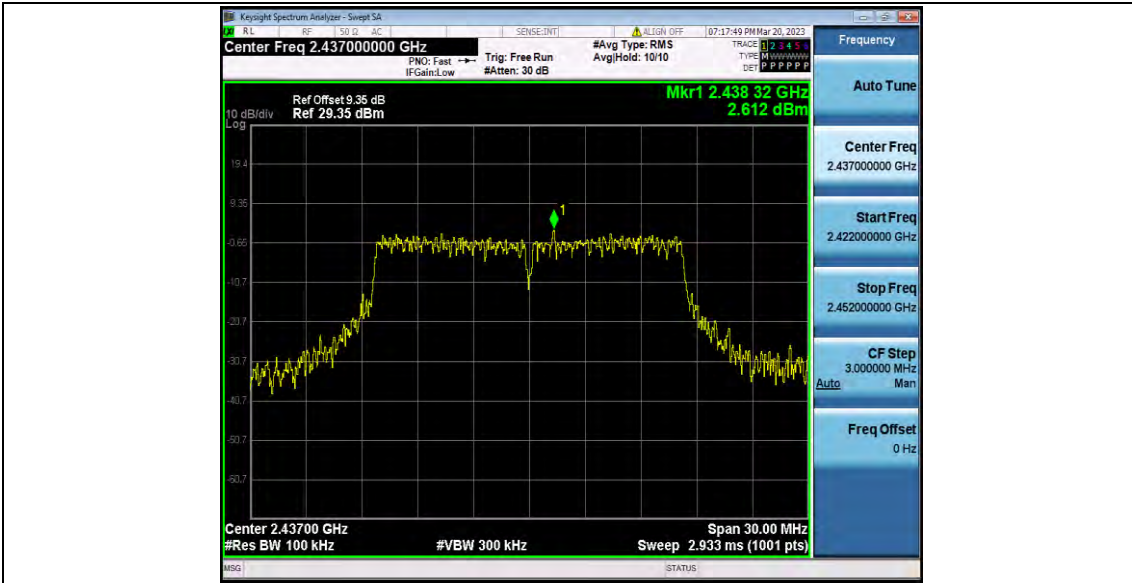
11G_Ant1_2412_30~1000



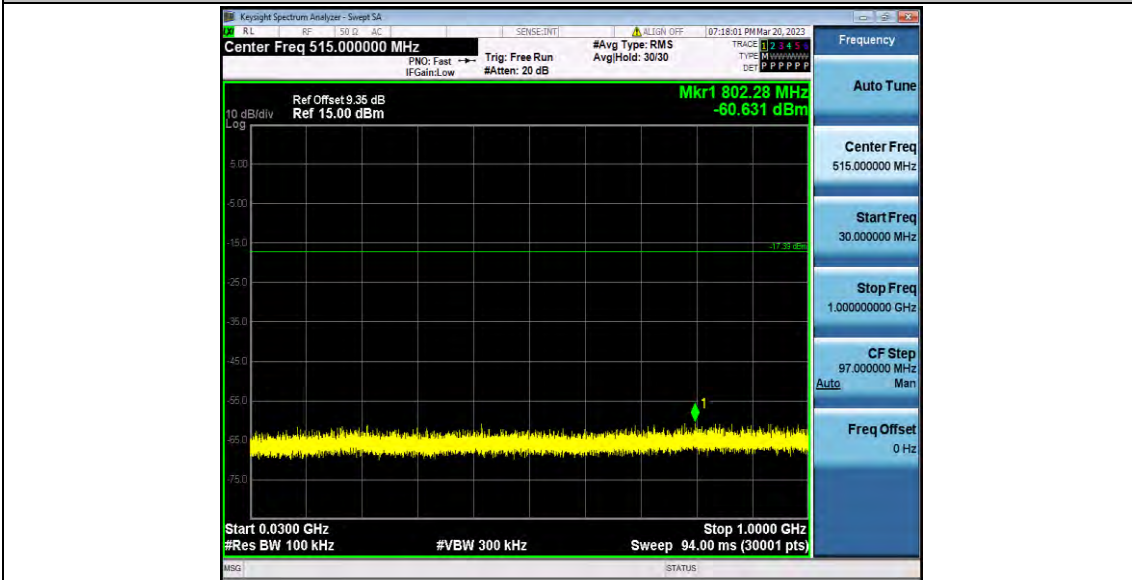
11G_Ant1_2412_1000~26500



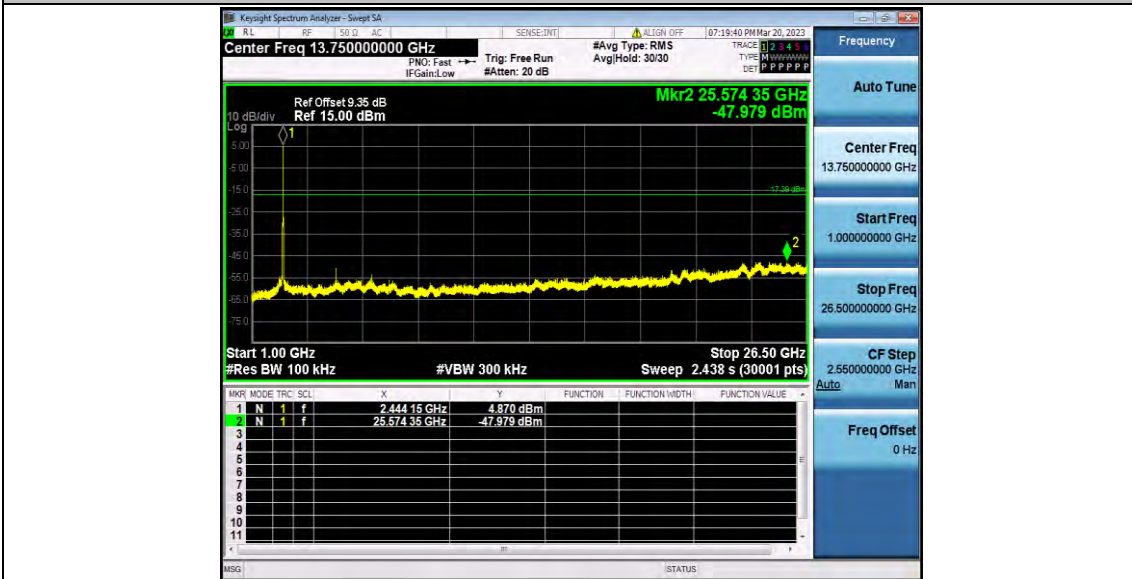
11G_Ant1_2437_0~Reference



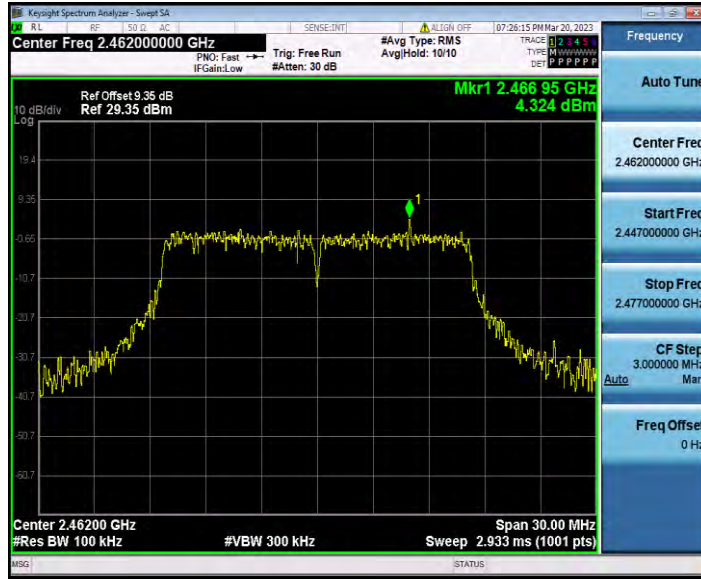
11G_Ant1_2437_30~1000



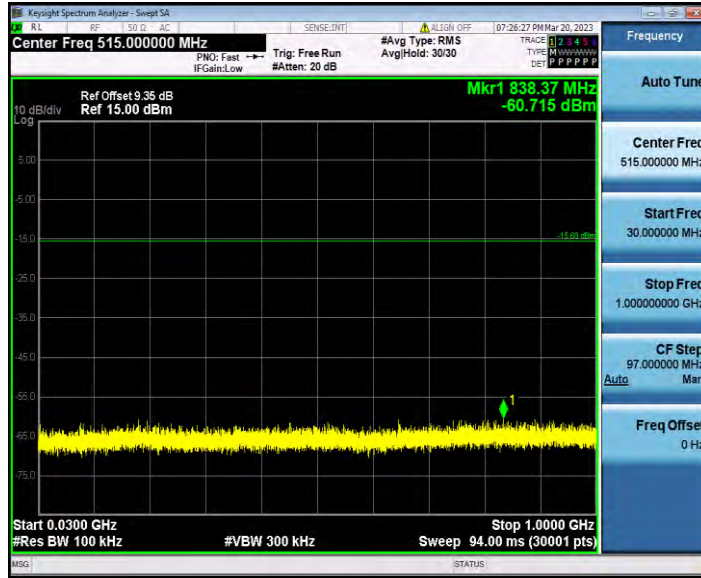
11G_Ant1_2437_1000~26500



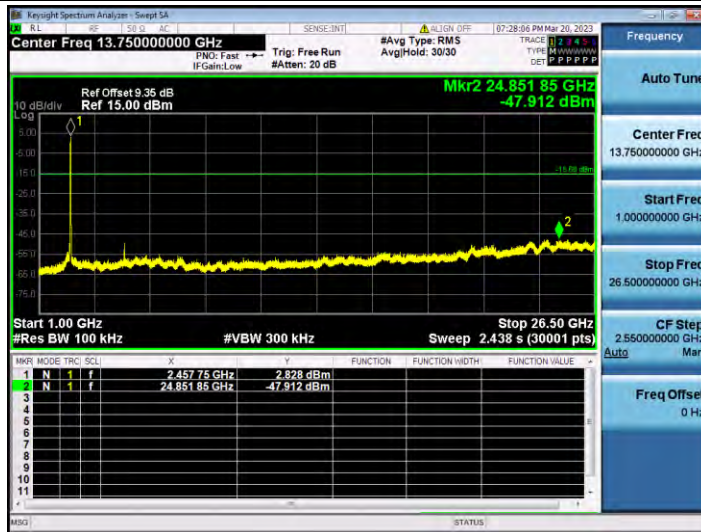
11G_Ant1_2462_0~Reference



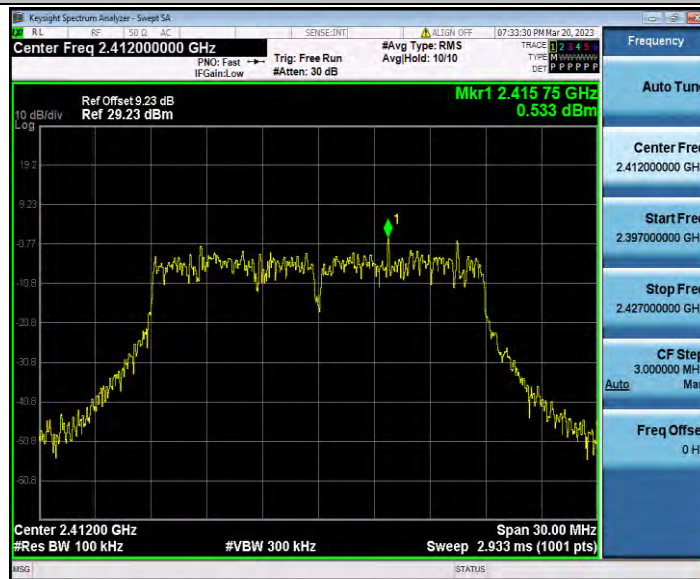
11G_Ant1_2462_30~1000



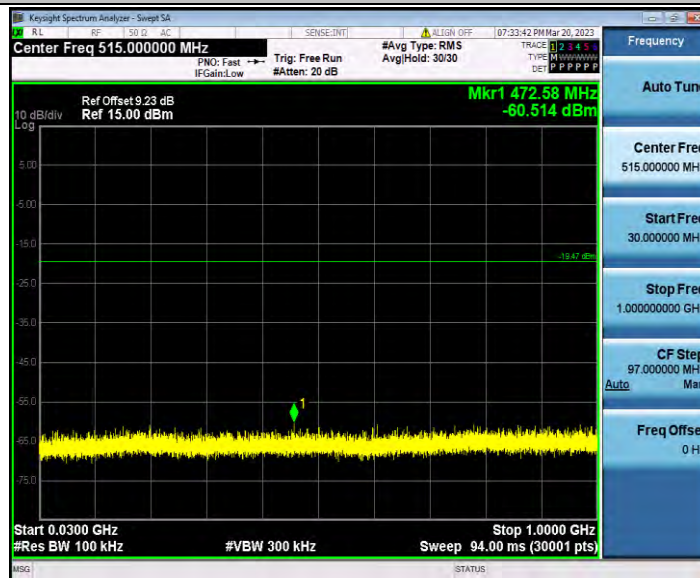
11G_Ant1_2462_1000~26500



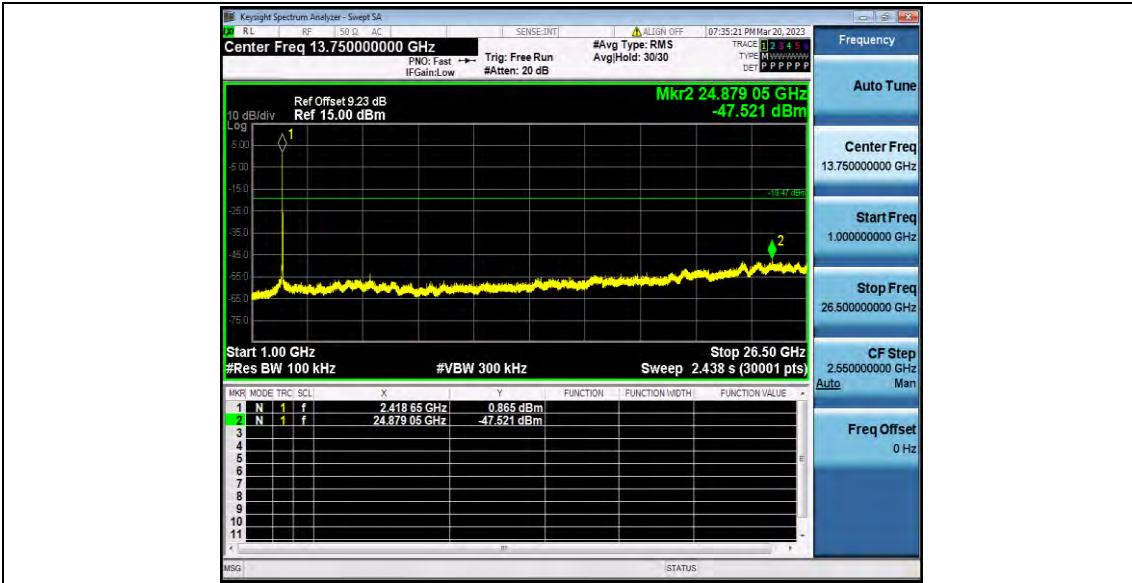
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



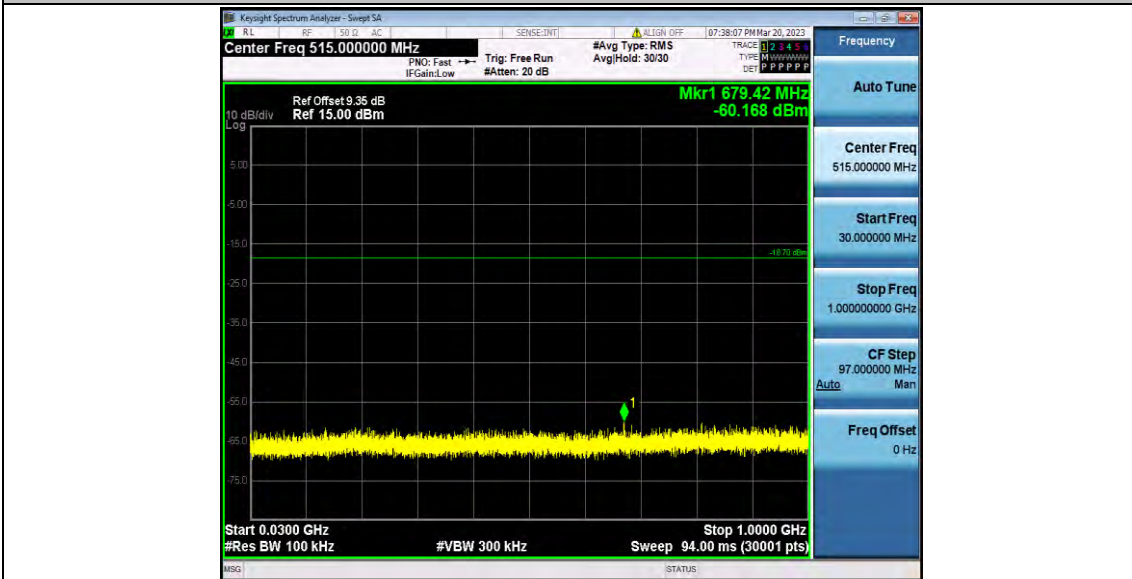
11N20SISO_Ant1_2412_1000~26500



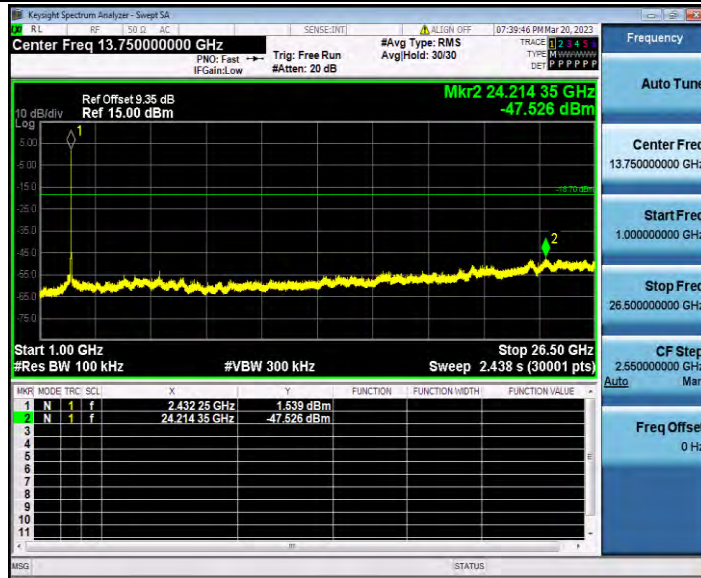
11N20SISO_Ant1_2437_0~Reference



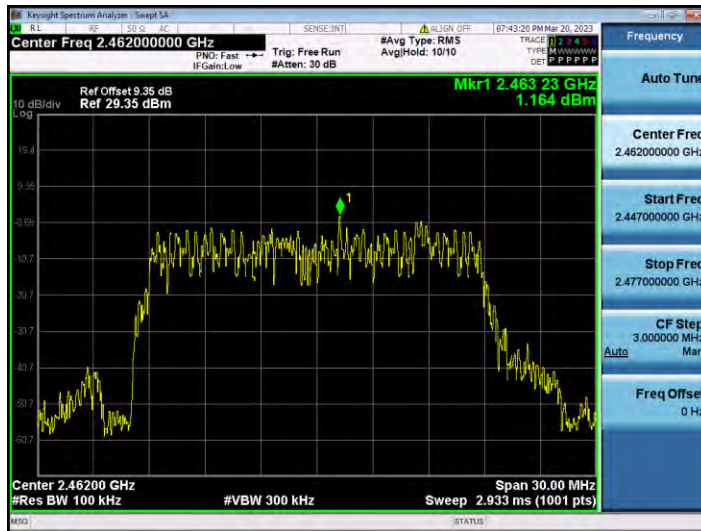
11N20SISO_Ant1_2437_30~1000



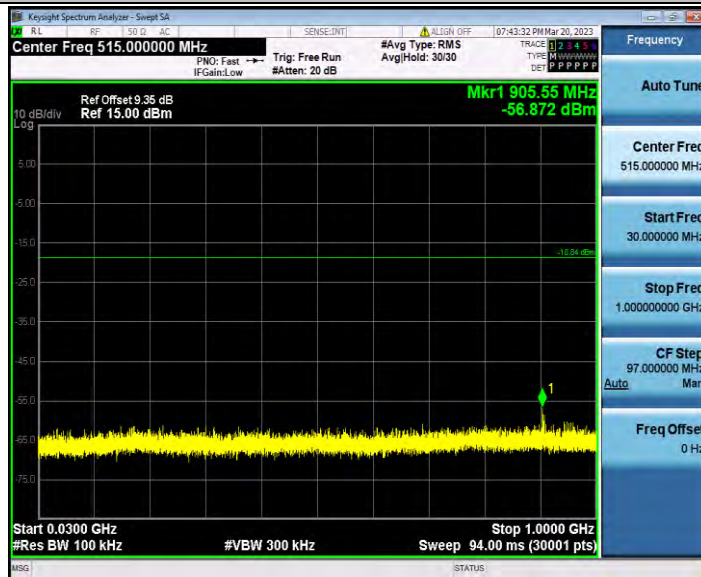
11N20SISO_Ant1_2437_1000~26500



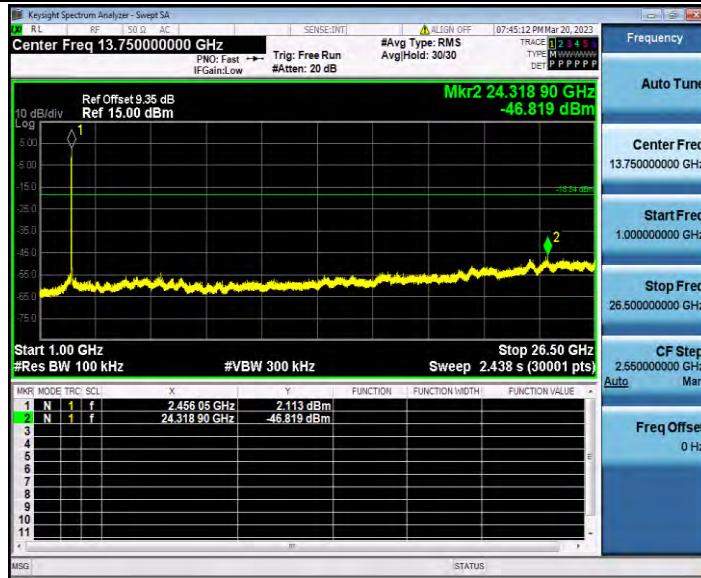
11N20SISO_Ant1_2462_0~Reference



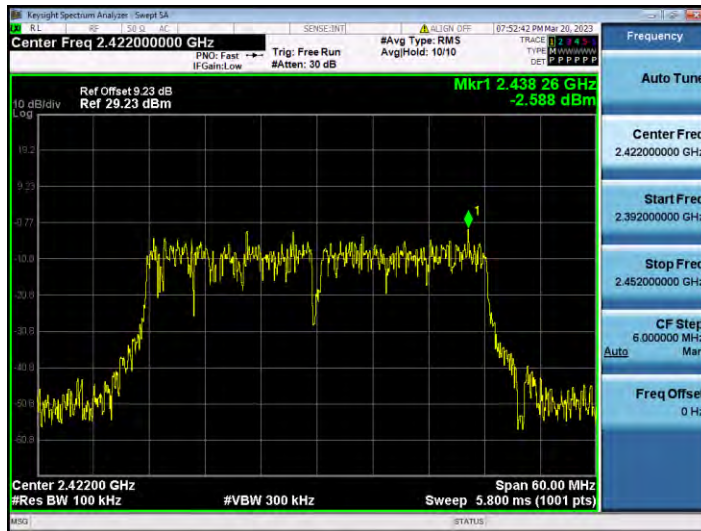
11N20SISO_Ant1_2462_30~1000



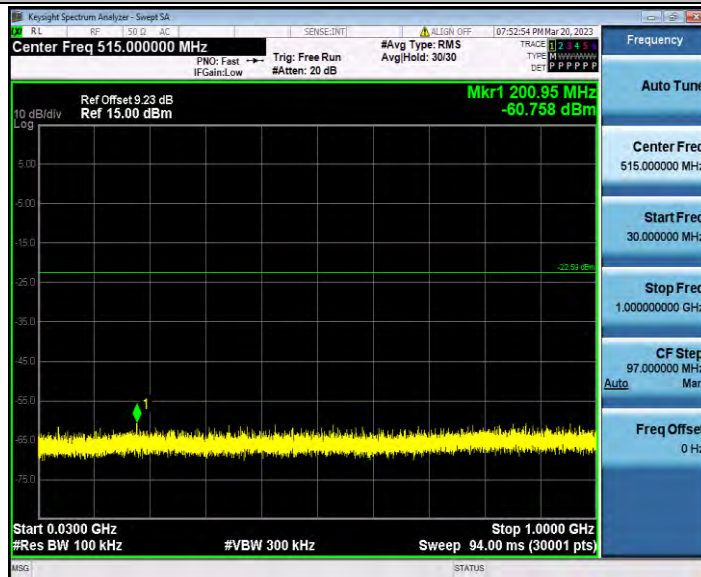
11N20SISO_Ant1_2462_1000~26500



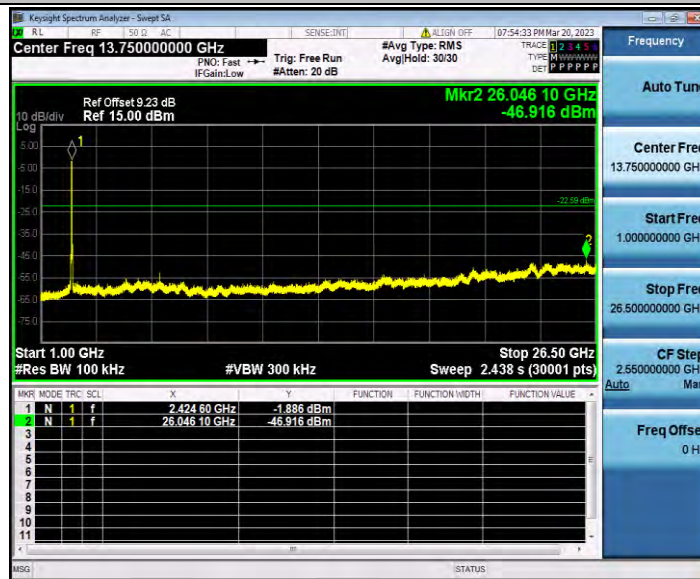
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



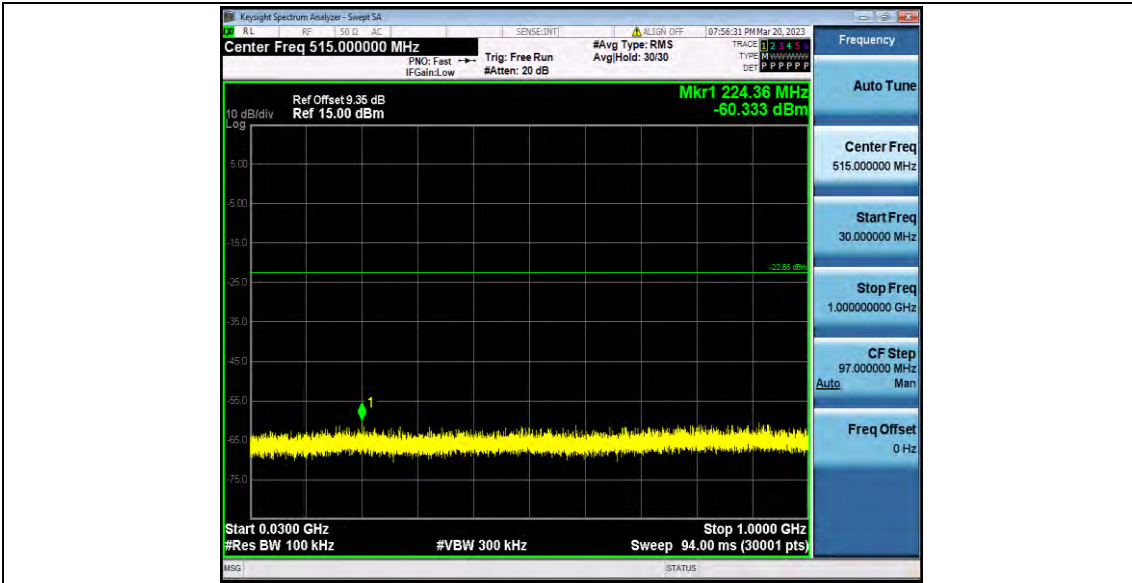
11N40SISO_Ant1_2422_1000~26500



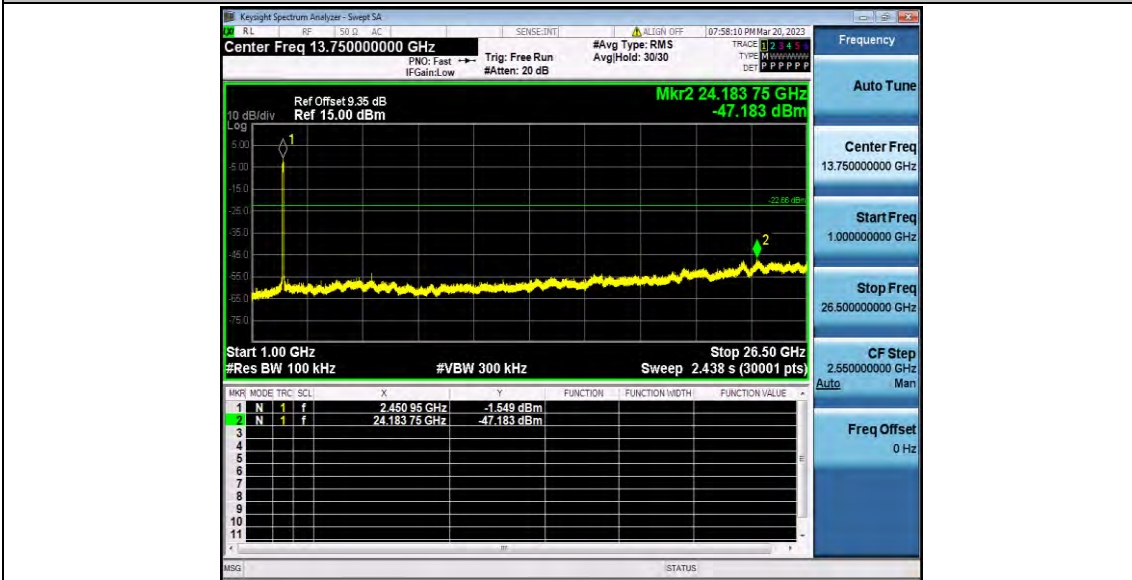
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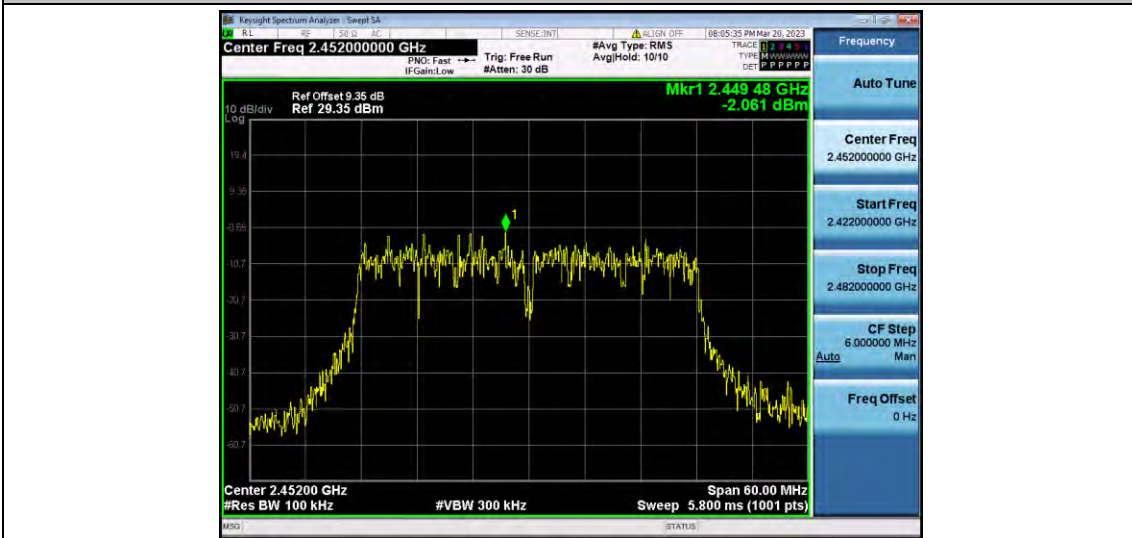
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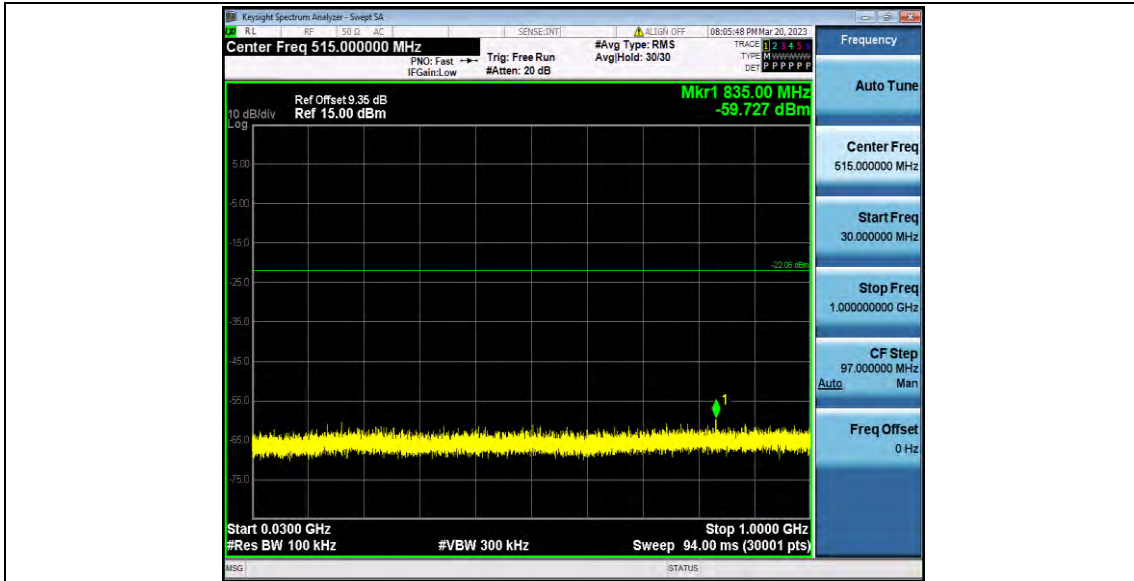
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

