

Case No. : GTS20221216016-1-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.6	Test Engineer: Jenny zeng

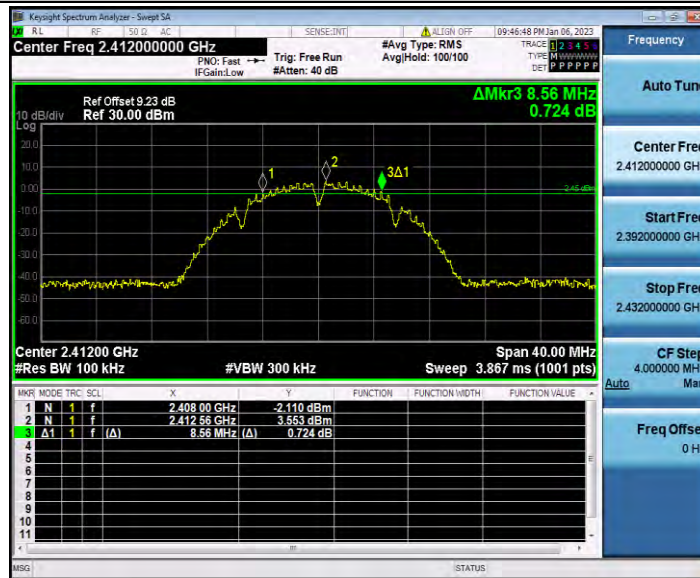
Appendix C.1: DTS Bandwidth

Test Result

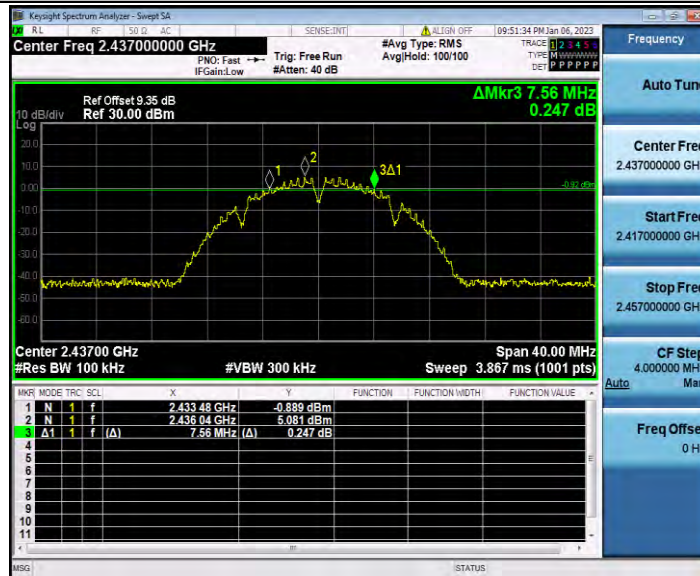
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2408.000	2416.560	0.5	PASS
		2437	7.560	2433.480	2441.040	0.5	PASS
		2462	8.000	2458.040	2466.040	0.5	PASS
11G	Ant1	2412	15.680	2404.480	2420.160	0.5	PASS
		2437	15.680	2429.480	2445.160	0.5	PASS
		2462	12.960	2455.400	2468.360	0.5	PASS
11N20SISO	Ant1	2412	15.880	2404.520	2420.400	0.5	PASS
		2437	12.640	2431.960	2444.600	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N40SISO	Ant1	2422	31.360	2408.240	2439.600	0.5	PASS
		2437	33.840	2420.760	2454.600	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

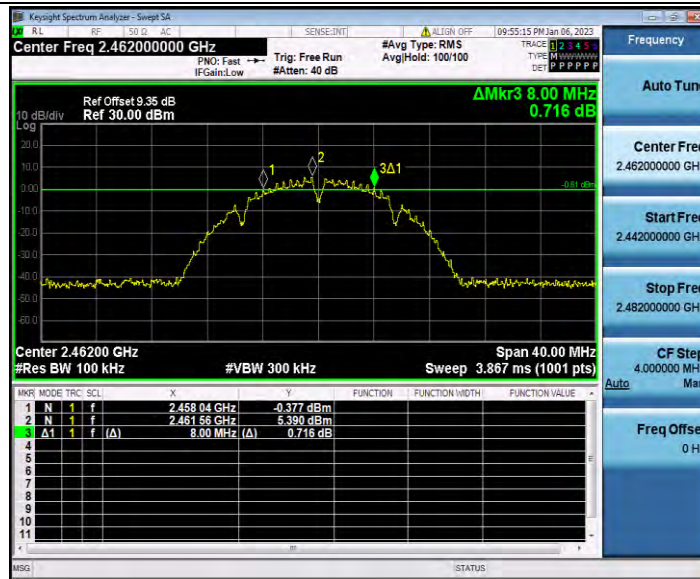
11B_Ant1_2412



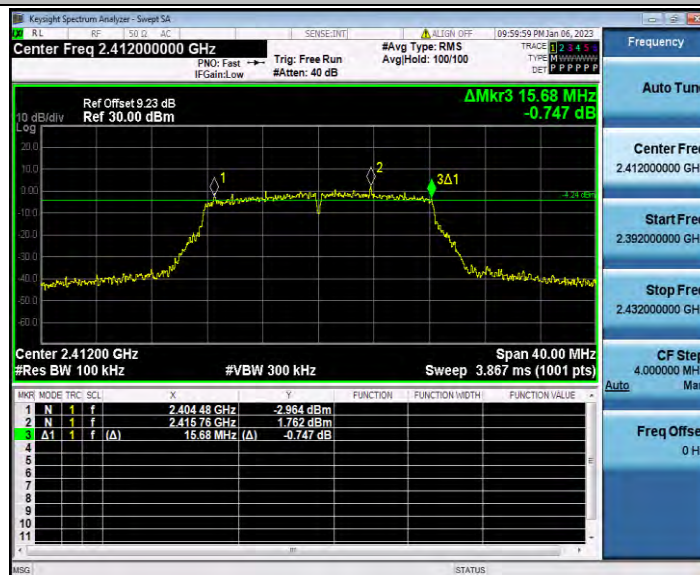
11B_Ant1_2437



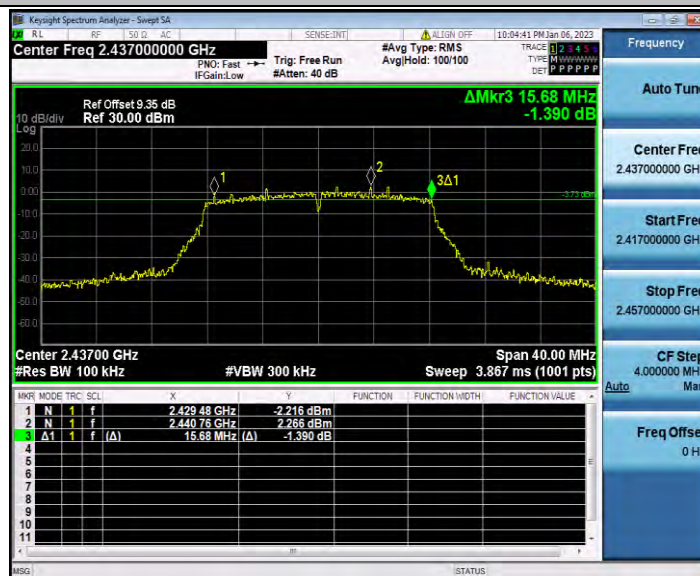
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



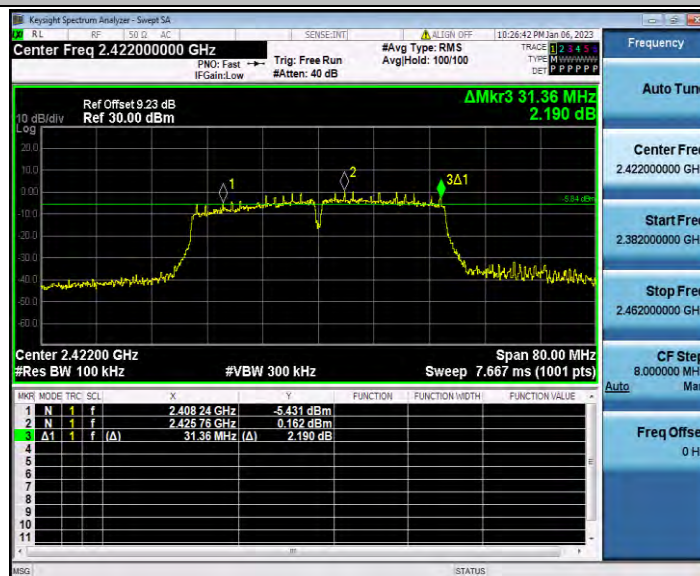
11N20SISO_Ant1_2437



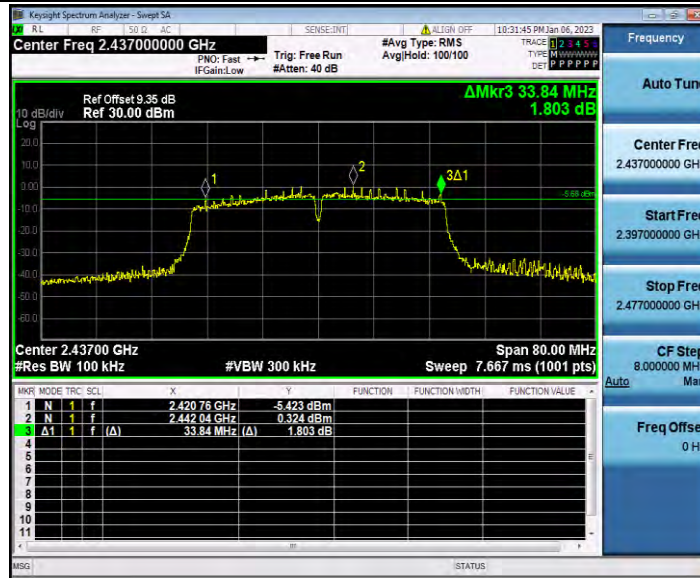
11N20SISO_Ant1_2462



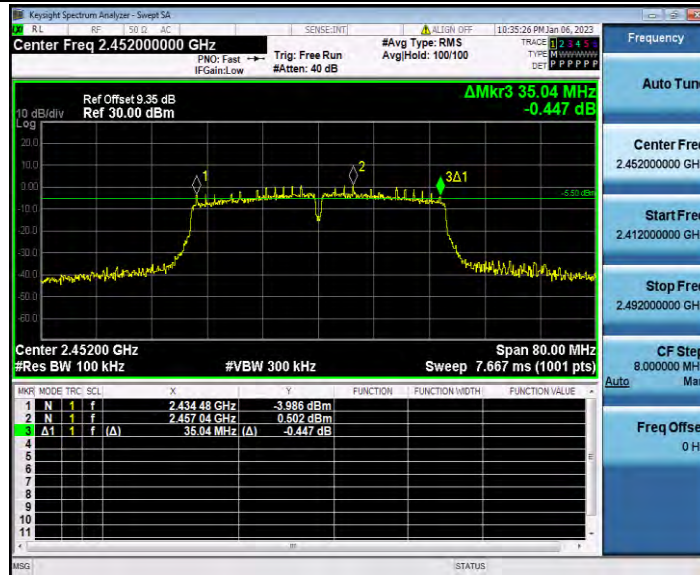
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



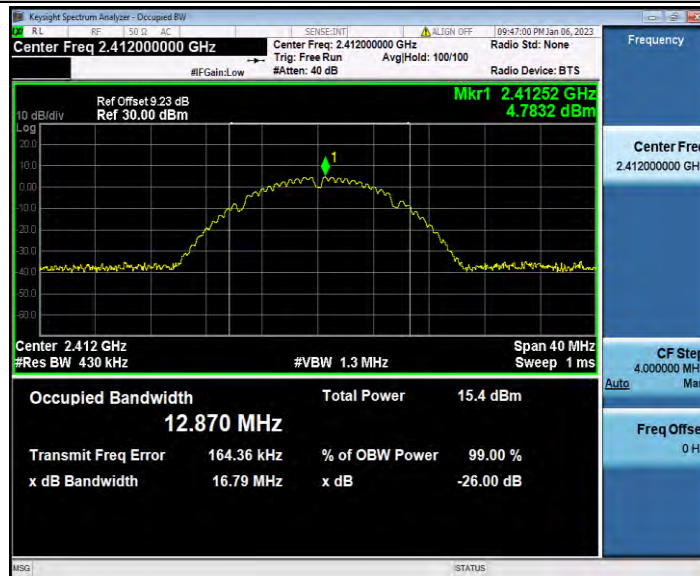
Appendix C.2: Occupied Channel Bandwidth

Test Result

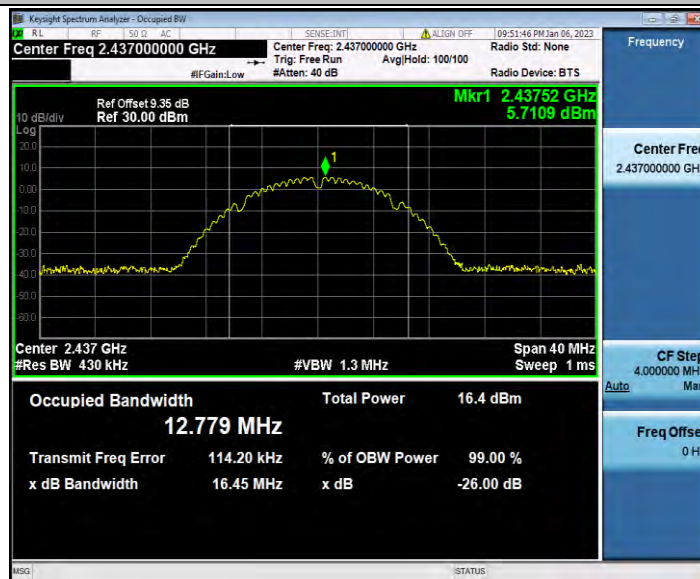
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.870	2405.729	2418.599	---	---
		2437	12.779	2430.725	2443.504	---	---
		2462	12.768	2455.672	2468.440	---	---
11G	Ant1	2412	16.897	2403.689	2420.586	---	---
		2437	16.771	2428.737	2445.508	---	---
		2462	16.787	2453.631	2470.418	---	---
11N20SISO	Ant1	2412	17.839	2403.226	2421.065	---	---
		2437	17.796	2428.237	2446.033	---	---
		2462	17.838	2453.141	2470.979	---	---
11N40SISO	Ant1	2422	36.099	2404.300	2440.399	---	---
		2437	36.058	2419.246	2455.304	---	---
		2452	36.024	2434.129	2470.153	---	---

Test Graphs

11B_Ant1_2412



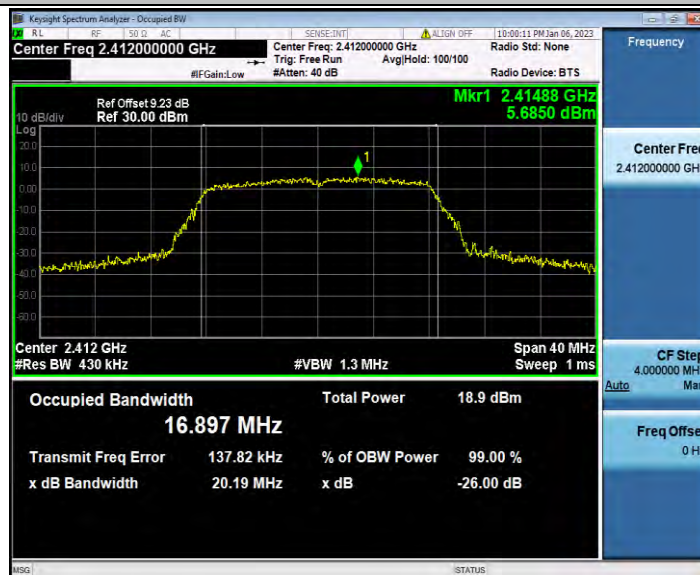
11B_Ant1_2437



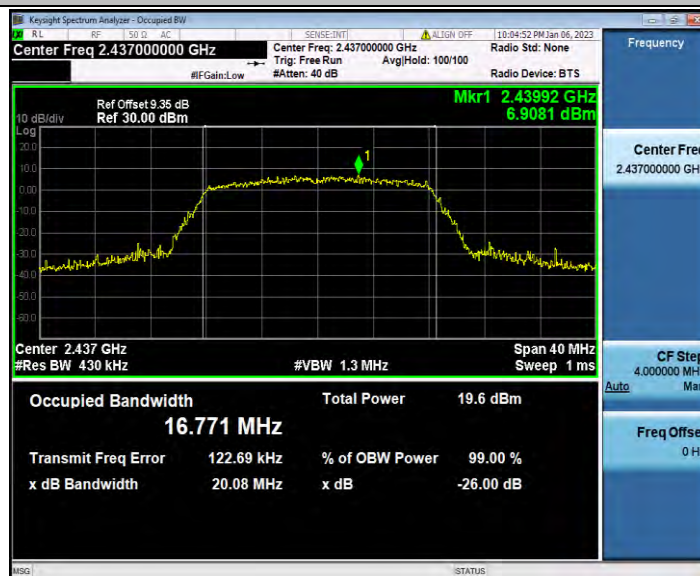
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



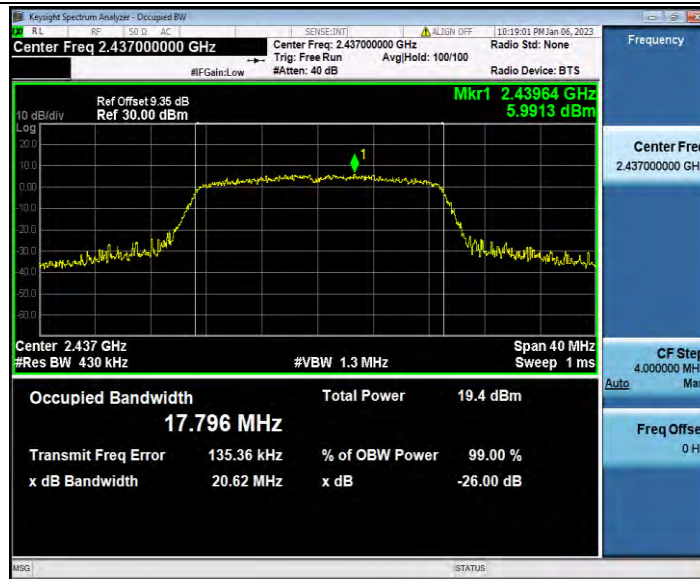
11G_Ant1_2462



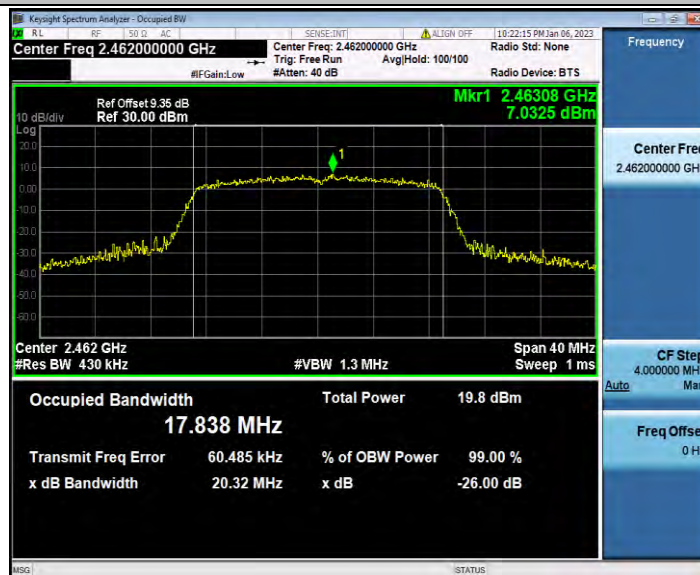
11N20SISO_Ant1_2412



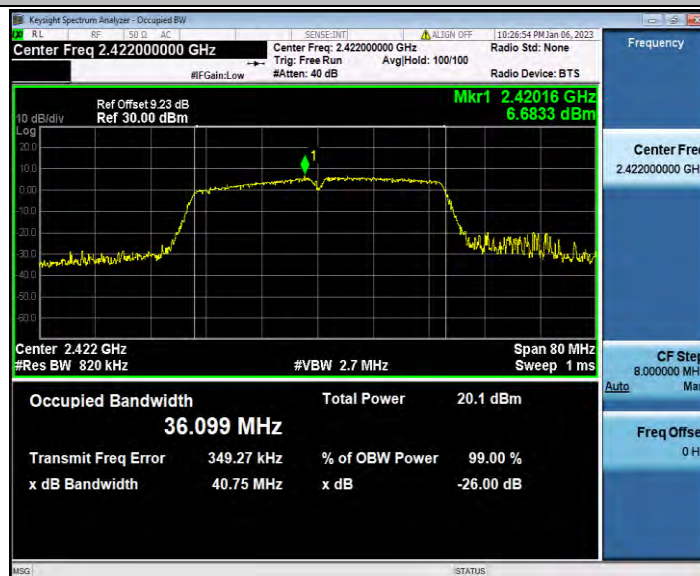
11N20SISO_Ant1_2437



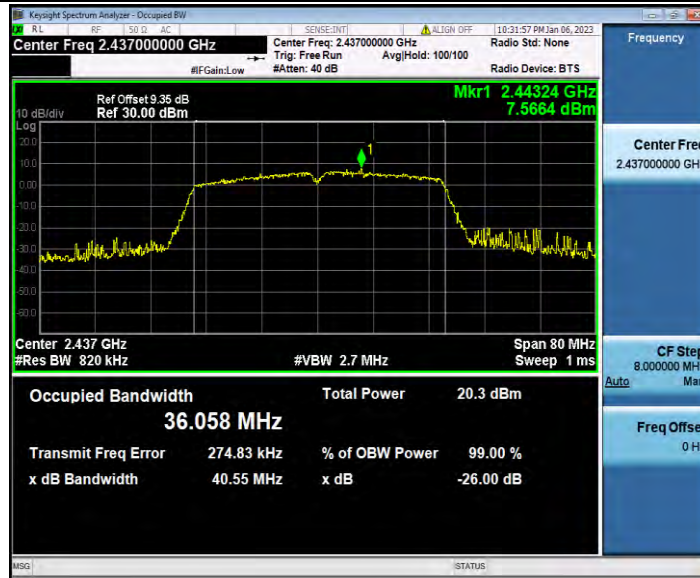
11N20SISO_Ant1_2462



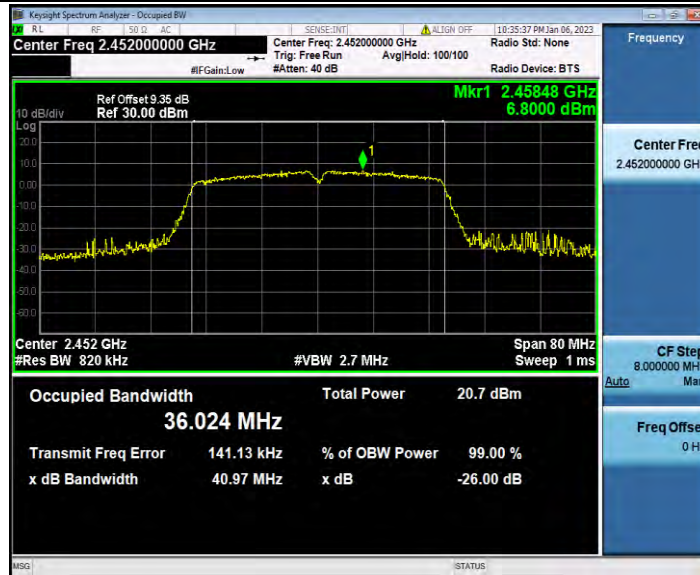
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.47	≤30.00	PASS
		2437	16.40	≤30.00	PASS
		2462	16.81	≤30.00	PASS
11G	Ant1	2412	20.01	≤30.00	PASS
		2437	20.67	≤30.00	PASS
		2462	21.11	≤30.00	PASS
11N20SISO	Ant1	2412	19.90	≤30.00	PASS
		2437	20.61	≤30.00	PASS
		2462	20.98	≤30.00	PASS
11N40SISO	Ant1	2422	20.30	≤30.00	PASS
		2437	20.62	≤30.00	PASS
		2452	21.09	≤30.00	PASS

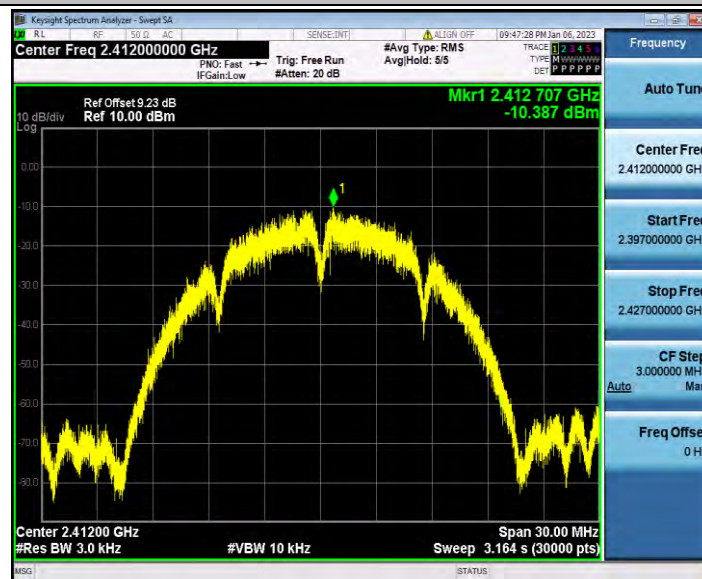
Appendix C.4: Maximum power spectral density

Test Result

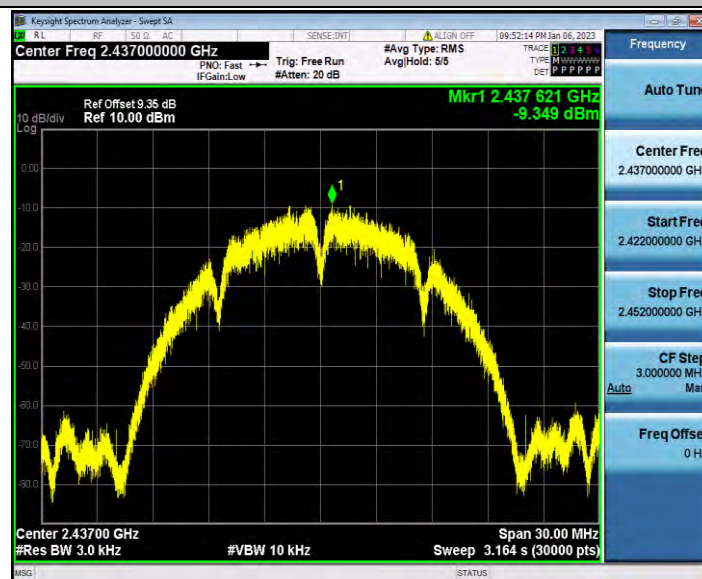
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.39	≤8.00	PASS
		2437	-9.35	≤8.00	PASS
		2462	-9.42	≤8.00	PASS
11G	Ant1	2412	-10.98	≤8.00	PASS
		2437	-10.71	≤8.00	PASS
		2462	-11.05	≤8.00	PASS
11N20SISO	Ant1	2412	-11.89	≤8.00	PASS
		2437	-11.62	≤8.00	PASS
		2462	-11.44	≤8.00	PASS
11N40SISO	Ant1	2422	-14.55	≤8.00	PASS
		2437	-14.55	≤8.00	PASS
		2452	-13.61	≤8.00	PASS

Test Graphs

11B_Ant1_2412



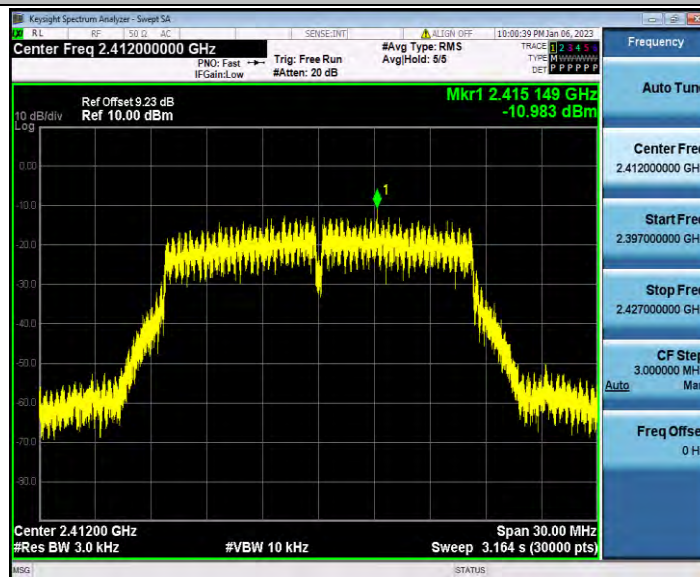
11B_Ant1_2437



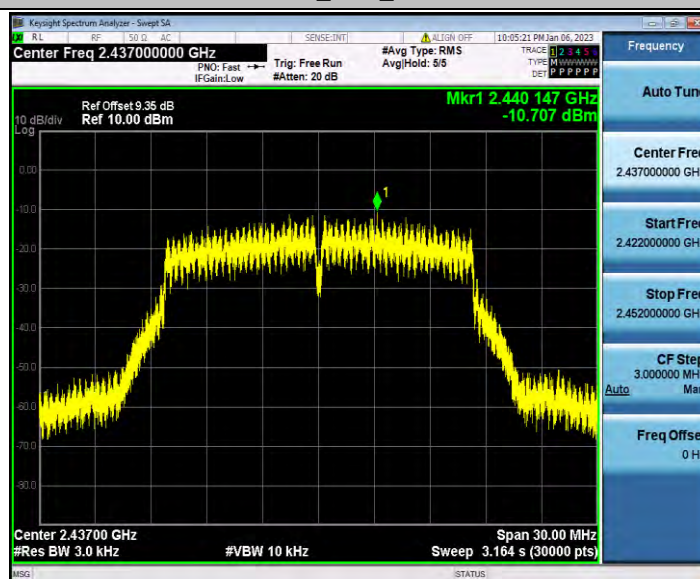
11B_Ant1_2462



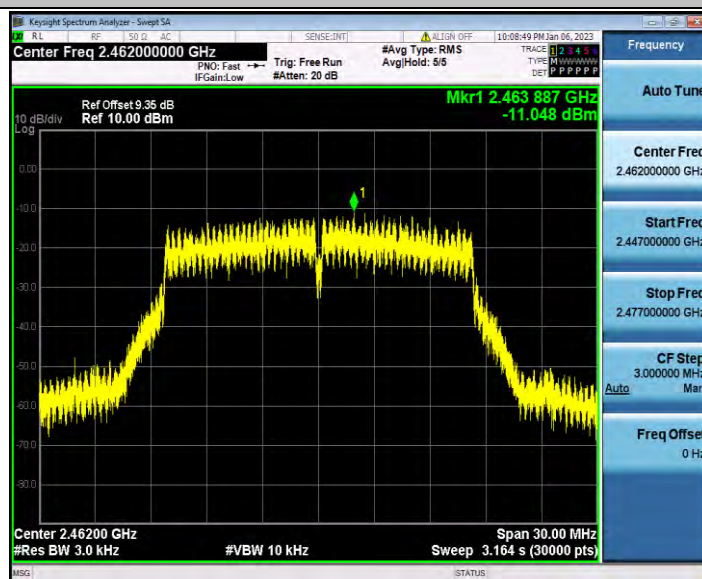
11G_Ant1_2412



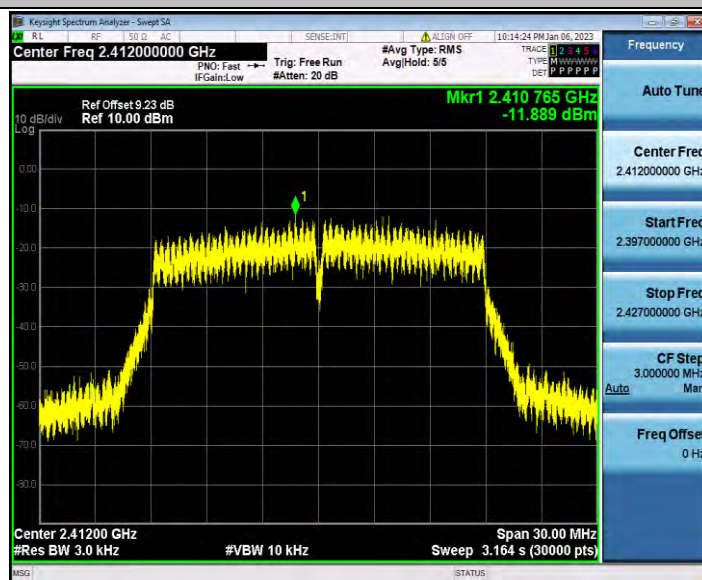
11G_Ant1_2437



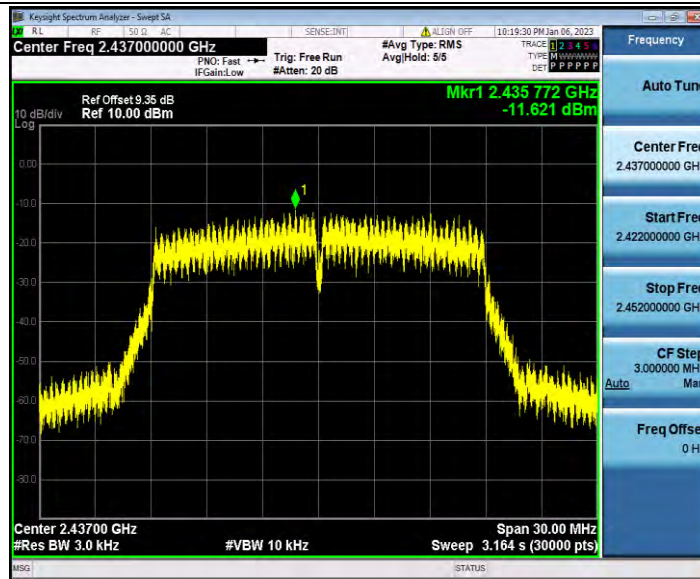
11G_Ant1_2462



11N20SISO_Ant1_2412



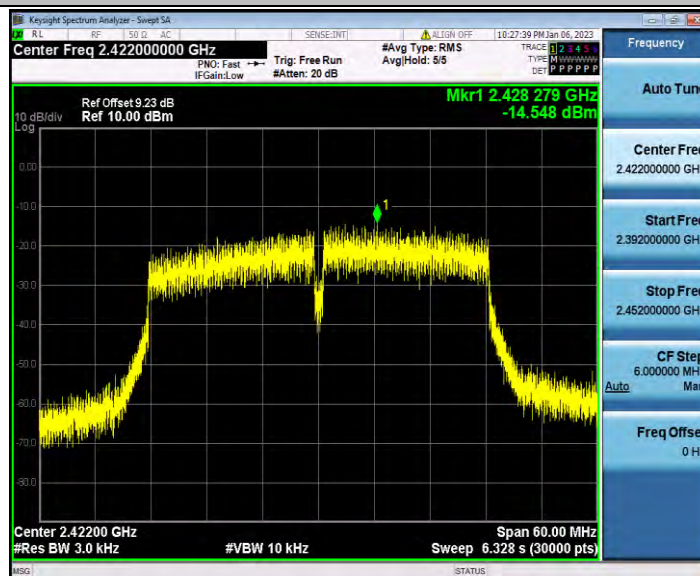
11N20SISO_Ant1_2437



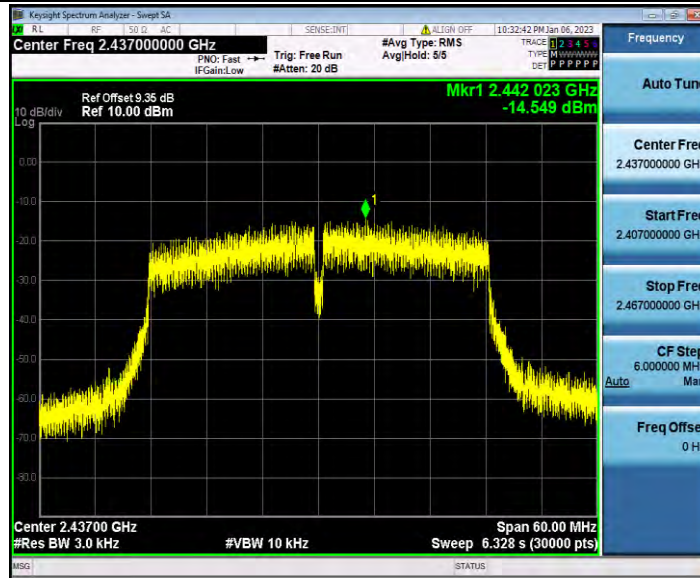
11N20SISO_Ant1_2462



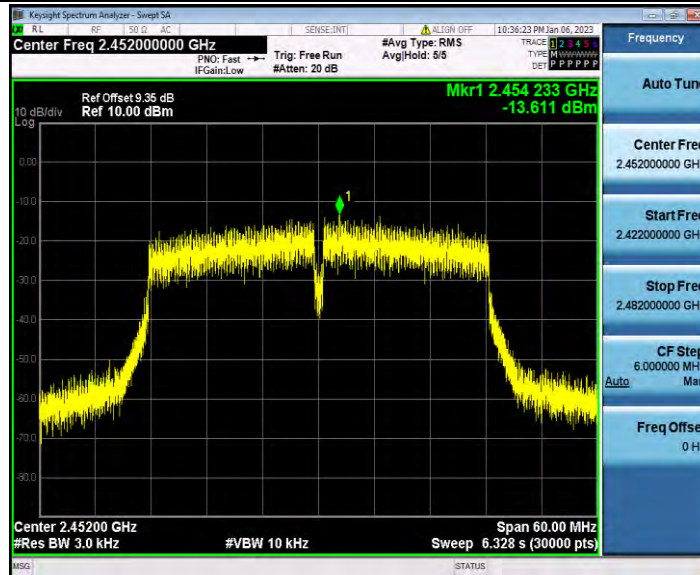
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



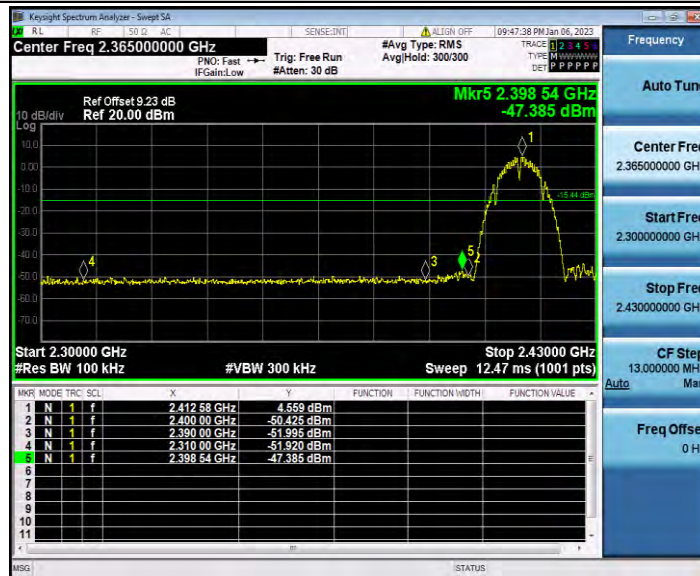
Appendix C.5: Band edge measurements

Test Result

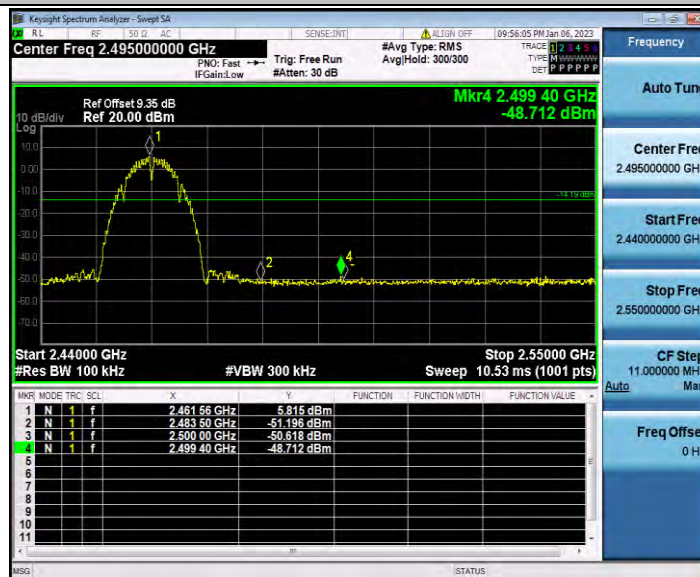
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.56	-47.39	≤-15.44	PASS
		High	2462	5.82	-48.71	≤-14.19	PASS
11G	Ant1	Low	2412	2.23	-35.88	≤-17.77	PASS
		High	2462	3.76	-46.13	≤-16.24	PASS
11N20SISO	Ant1	Low	2412	2.38	-36.06	≤-17.62	PASS
		High	2462	3.29	-45.54	≤-16.71	PASS
11N40SISO	Ant1	Low	2422	-0.05	-38.53	≤-20.05	PASS
		High	2452	0.71	-36.09	≤-19.29	PASS

Test Graphs

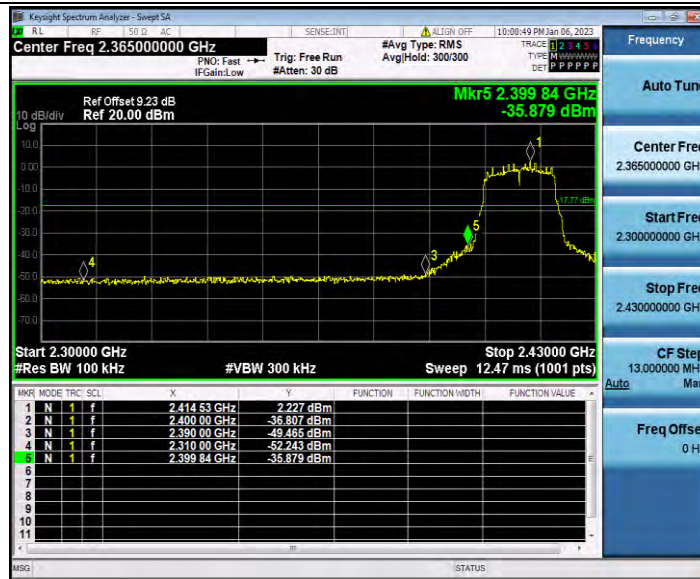
11B_Ant1_Low_2412



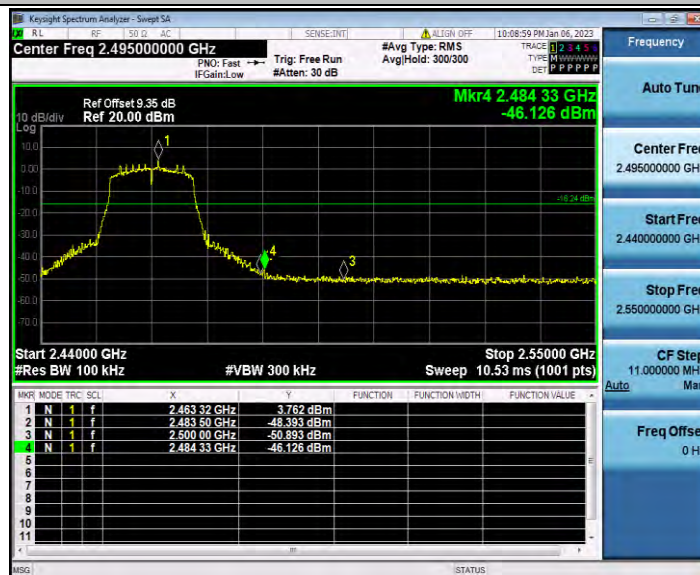
11B_Ant1_High_2462



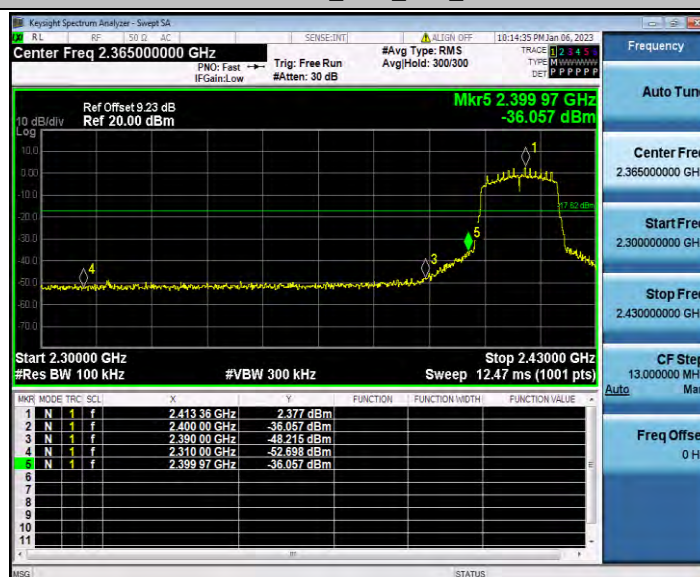
11G_Ant1_Low_2412



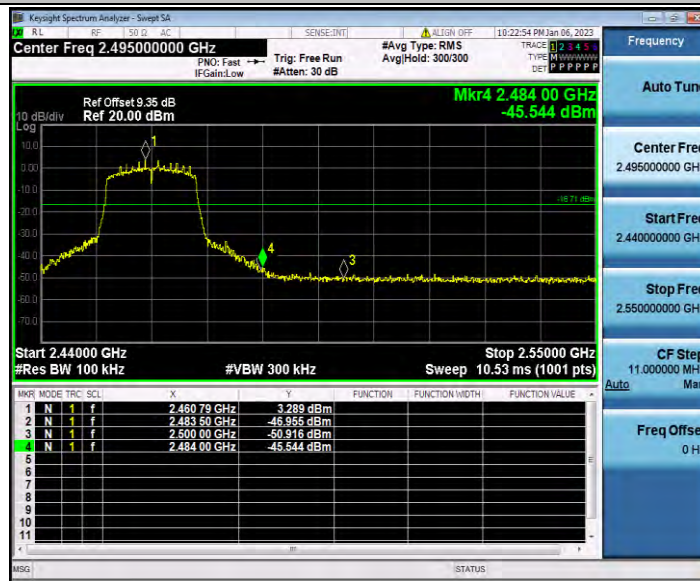
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



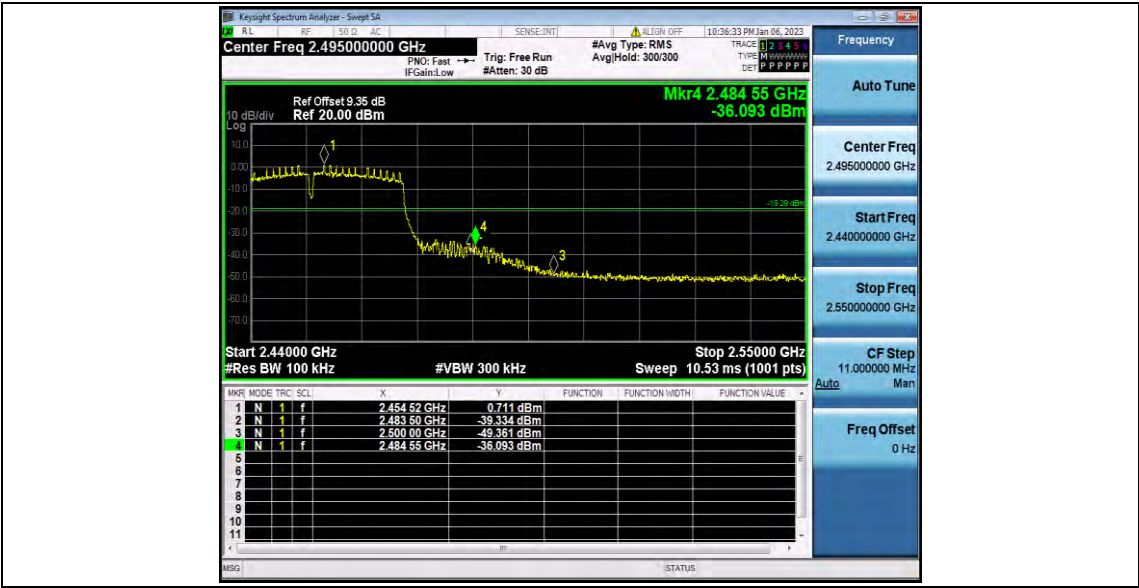
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

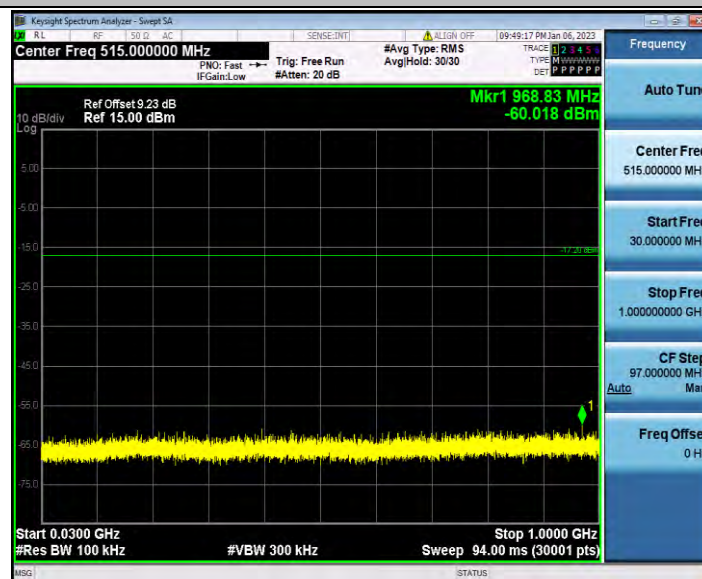
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-60.02	≤ -17.2	PASS
			1000~26500	2.80	-47.77	≤ -17.2	PASS
		2437	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-60.29	≤ -15.78	PASS
			1000~26500	4.22	-47.99	≤ -15.78	PASS
		2462	Reference	3.89	3.89	---	PASS
			30~1000	3.89	-59.81	≤ -16.11	PASS
			1000~26500	3.89	-47.78	≤ -16.11	PASS
11G	Ant1	2412	Reference	0.09	0.09	---	PASS
			30~1000	0.09	-60.66	≤ -19.91	PASS
			1000~26500	0.09	-47.77	≤ -19.91	PASS
		2437	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-59.81	≤ -20.29	PASS
			1000~26500	-0.29	-47.6	≤ -20.29	PASS
		2462	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-60.18	≤ -16.68	PASS
			1000~26500	3.32	-47.96	≤ -16.68	PASS
11N20SISO	Ant1	2412	Reference	-1.24	-1.24	---	PASS
			30~1000	-1.24	-60.48	≤ -21.24	PASS
			1000~26500	-1.24	-48.17	≤ -21.24	PASS
		2437	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-59.38	≤ -17.2	PASS
			1000~26500	2.80	-47.35	≤ -17.2	PASS
		2462	Reference	1.40	1.40	---	PASS
			30~1000	1.40	-60.19	≤ -18.6	PASS
			1000~26500	1.40	-47.28	≤ -18.6	PASS
11N40SISO	Ant1	2422	Reference	-0.82	-0.82	---	PASS
			30~1000	-0.82	-60.38	≤ -20.82	PASS
			1000~26500	-0.82	-48.15	≤ -20.82	PASS
		2437	Reference	-0.45	-0.45	---	PASS
			30~1000	-0.45	-60.57	≤ -20.45	PASS
			1000~26500	-0.45	-47.71	≤ -20.45	PASS
		2452	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-60.69	≤ -19.45	PASS
			1000~26500	0.55	-47.62	≤ -19.45	PASS

Test Graphs

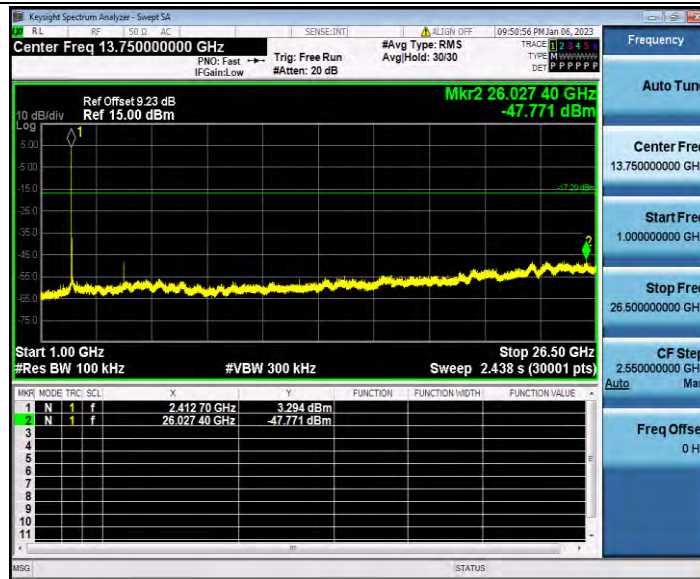
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



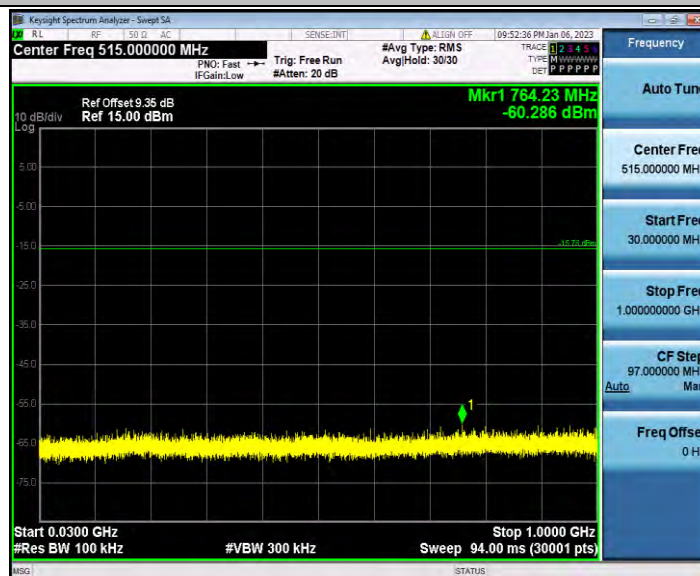
11B_Ant1_2412_1000~26500



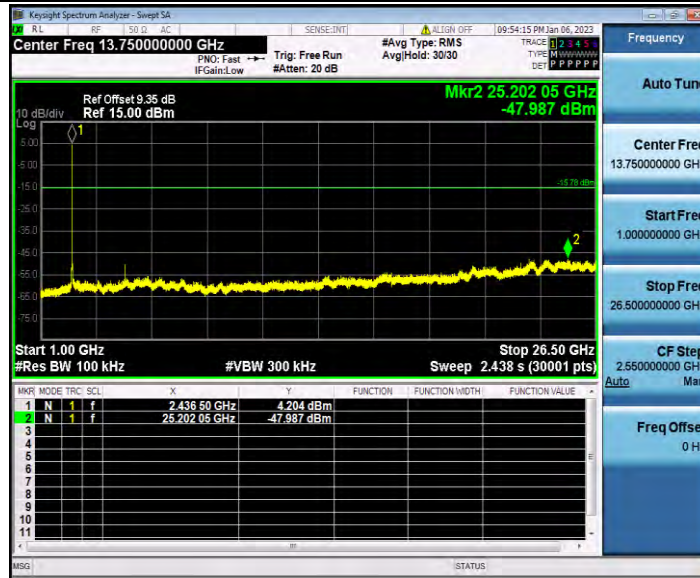
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



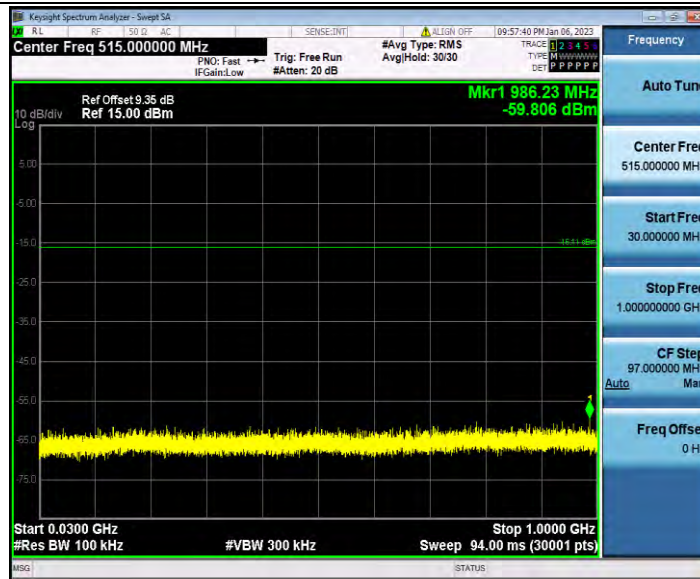
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



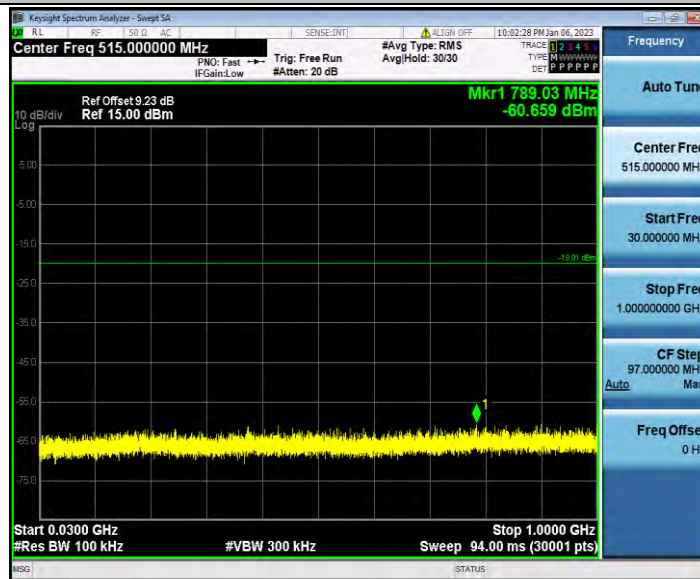
11B_Ant1_2462_1000~26500



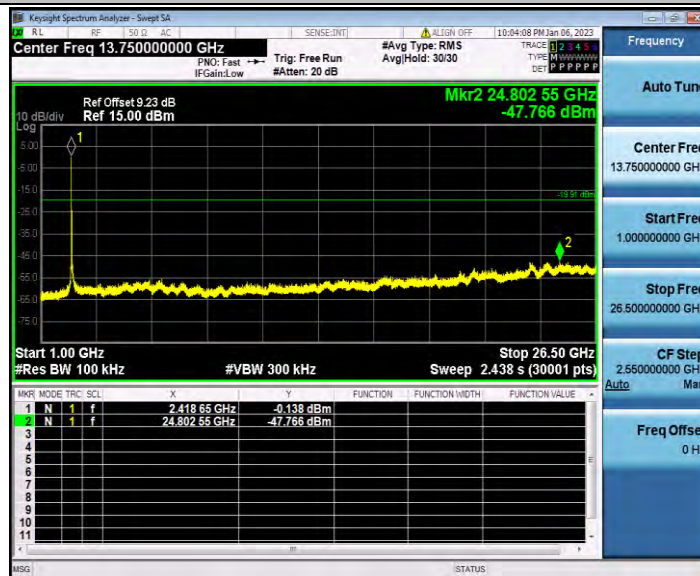
11G_Ant1_2412_0~Reference



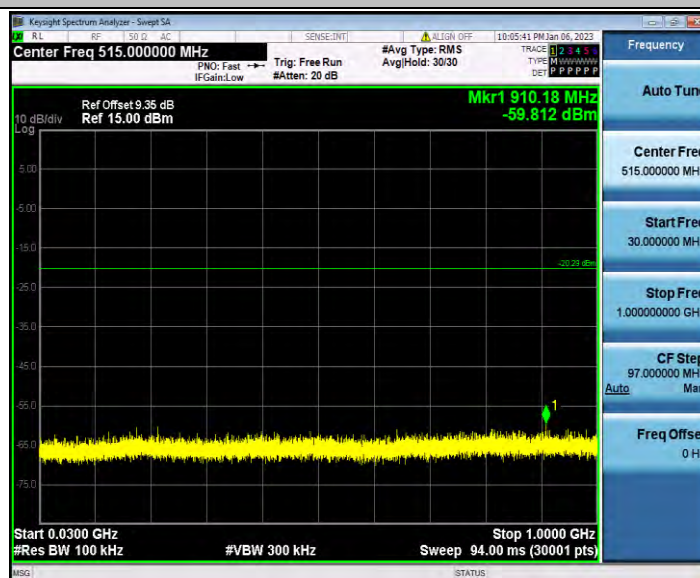
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



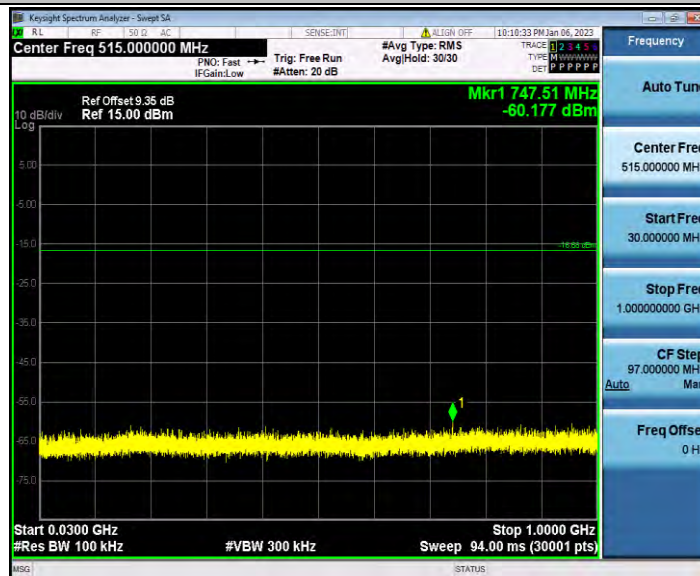
11G_Ant1_2437_0~Reference



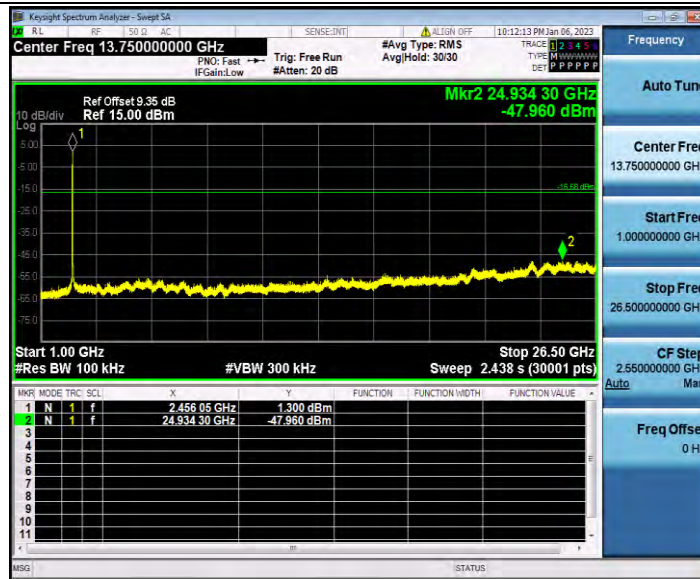
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



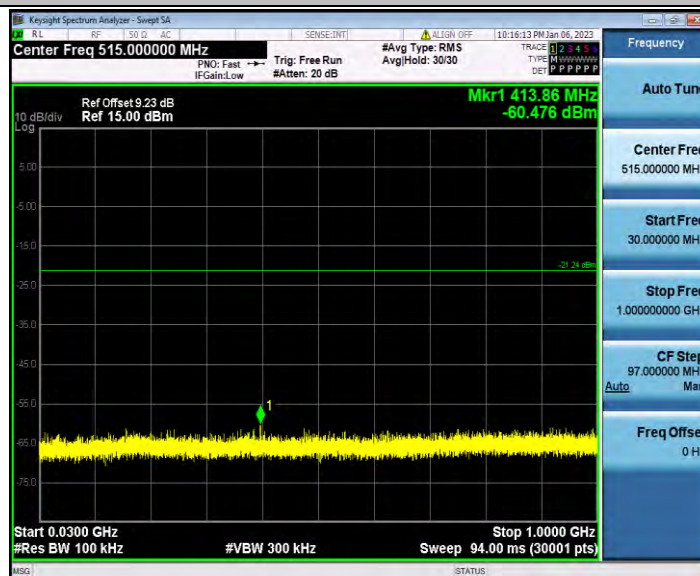
11G_Ant1_2462_1000~26500



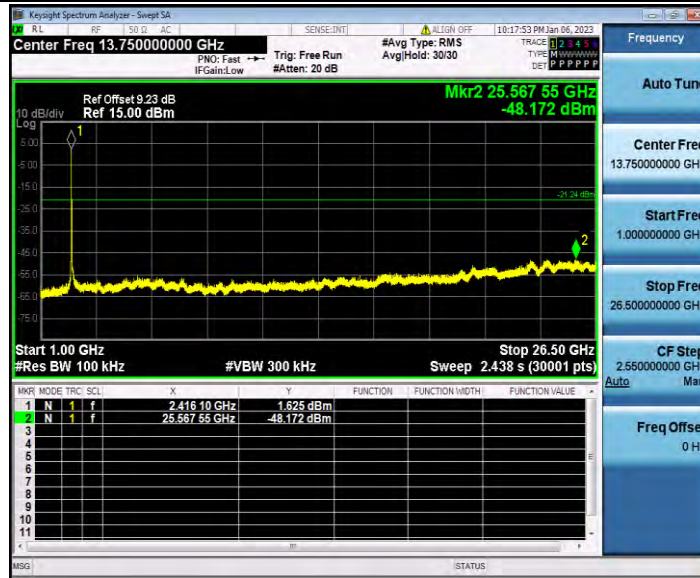
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



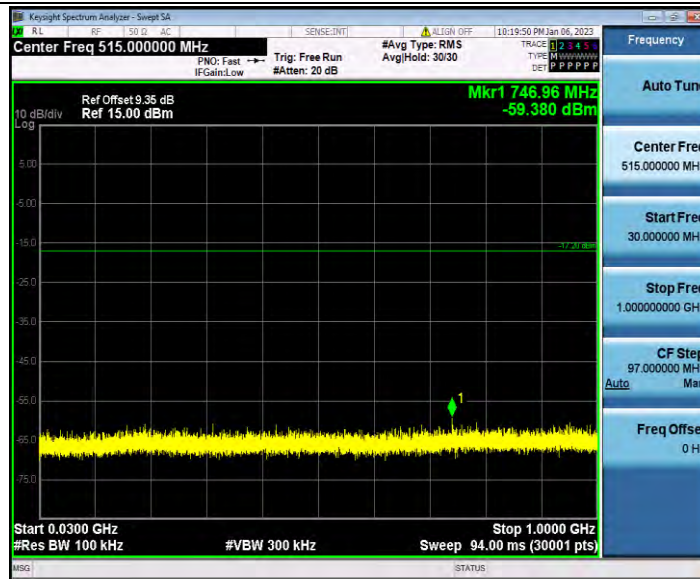
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



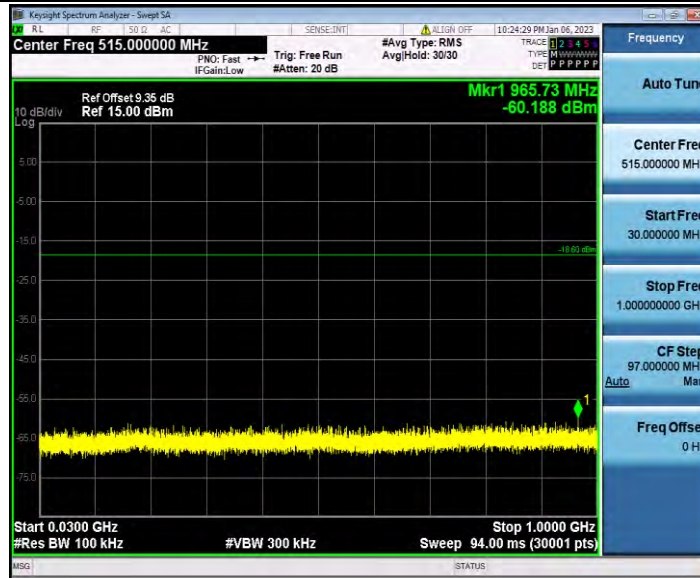
11N20SISO_Ant1_2437_1000~26500



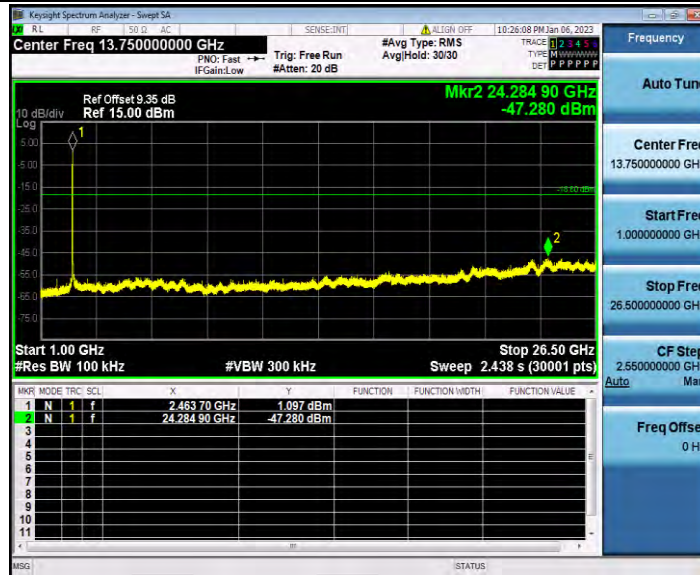
11N20SISO_Ant1_2462_0~Reference



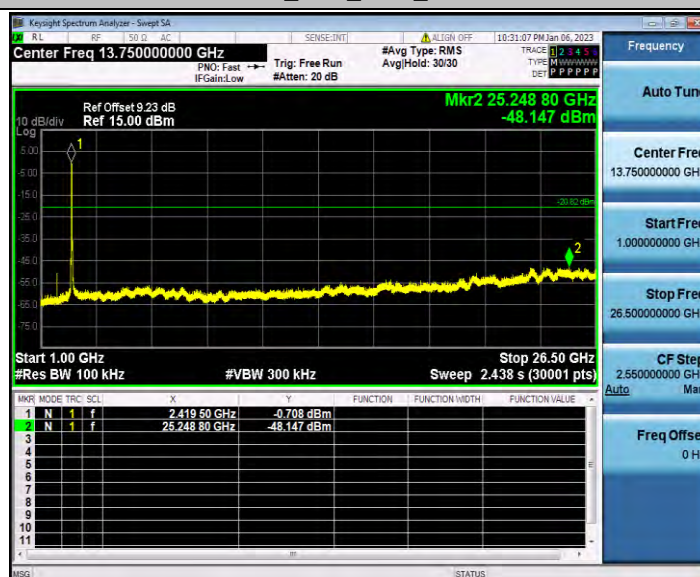
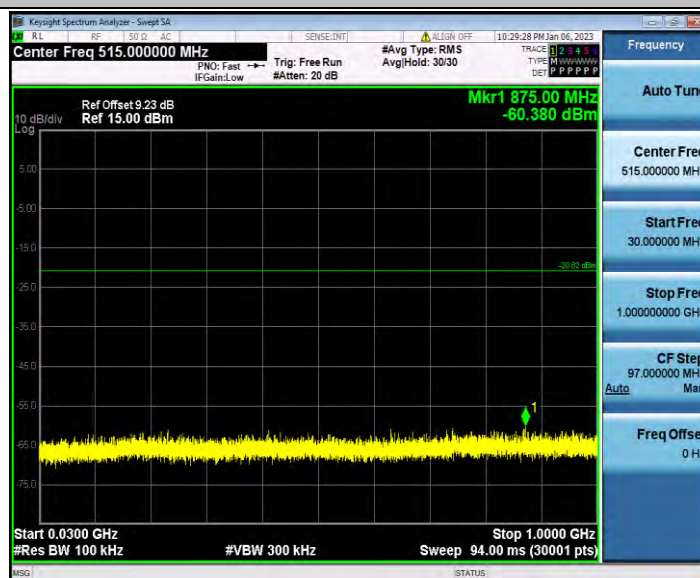
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



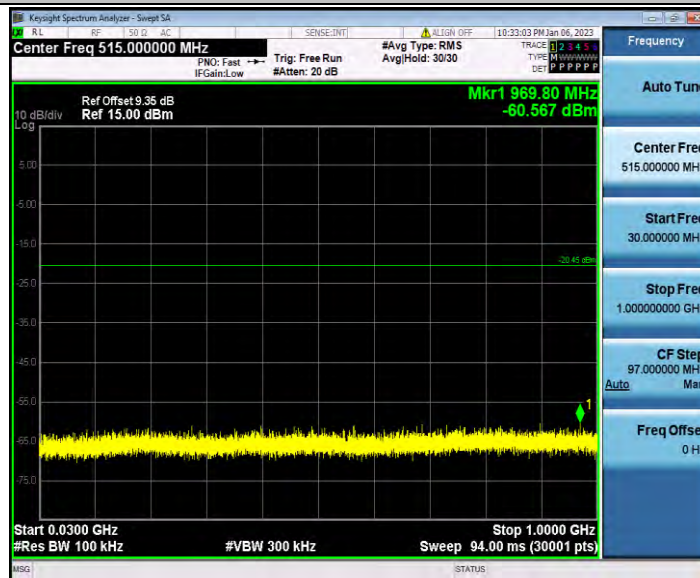
11N40SISO_Ant1_2422_0~Reference



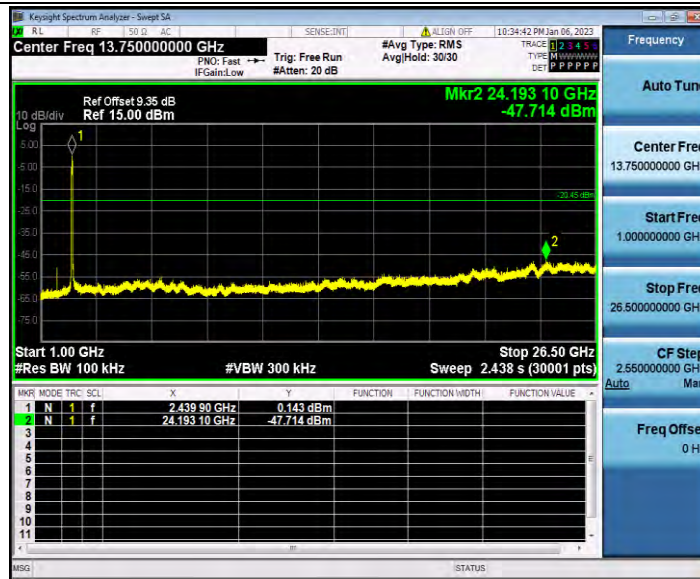
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



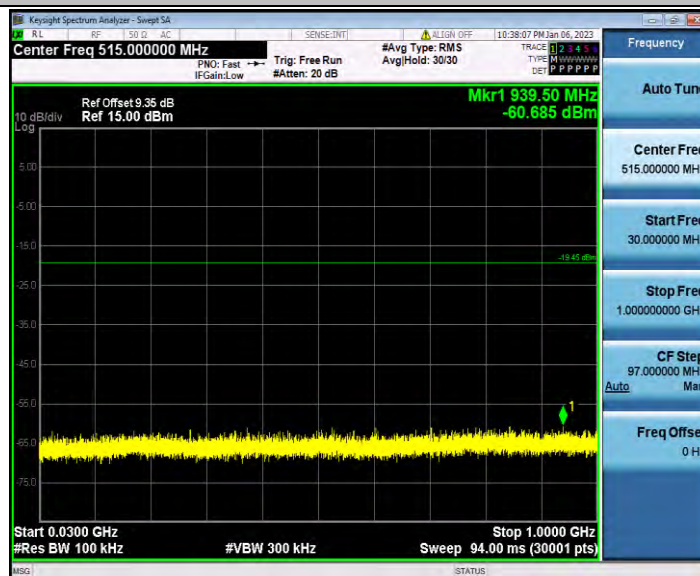
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

