

Case No. : GTS20220530010-1-1	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.7.27	Test Engineer: Jenny zeng

Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2406.960	2417.000	0.5	PASS
		2437	9.560	2432.440	2442.000	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.760	2403.080	2420.840	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.640	2453.160	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.080	2419.080	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs

11B_Ant1_2412



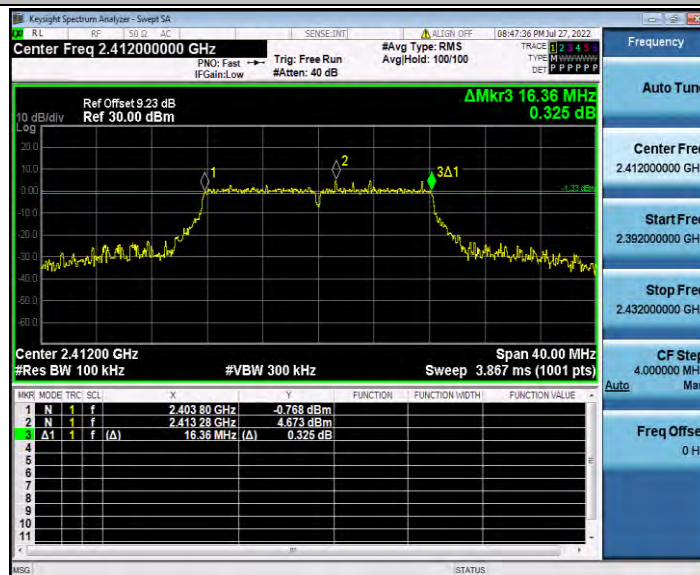
11B_Ant1_2437



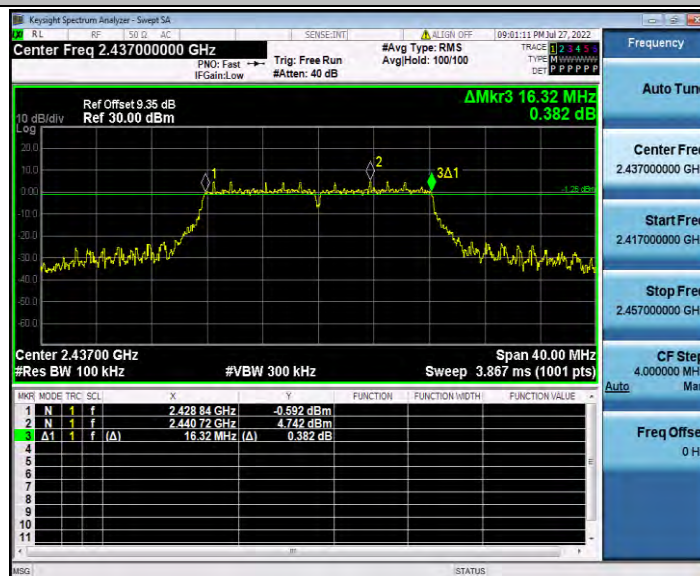
11B_Ant1_2462

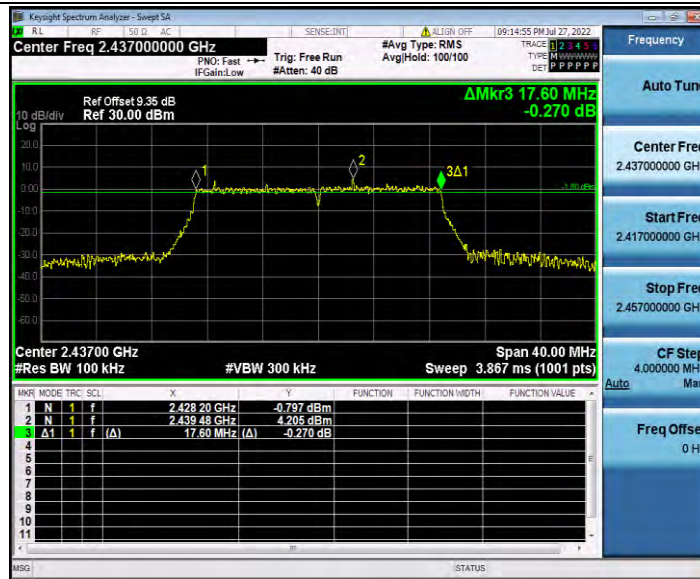


11G_Ant1_2412

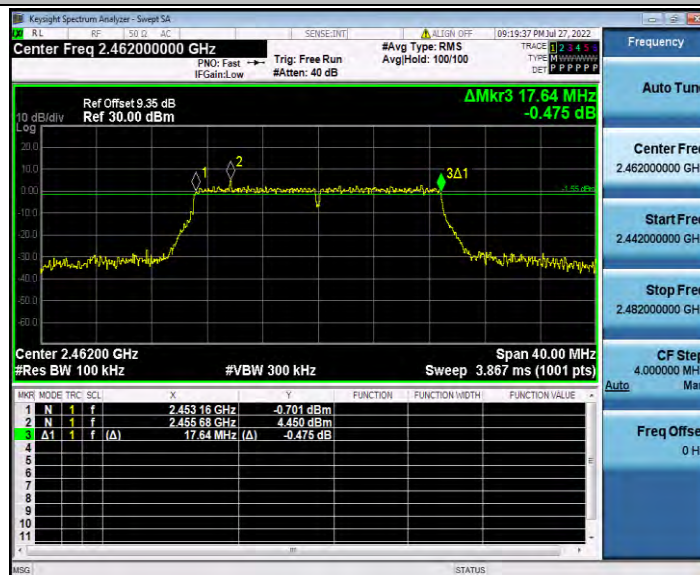


11G_Ant1_2437

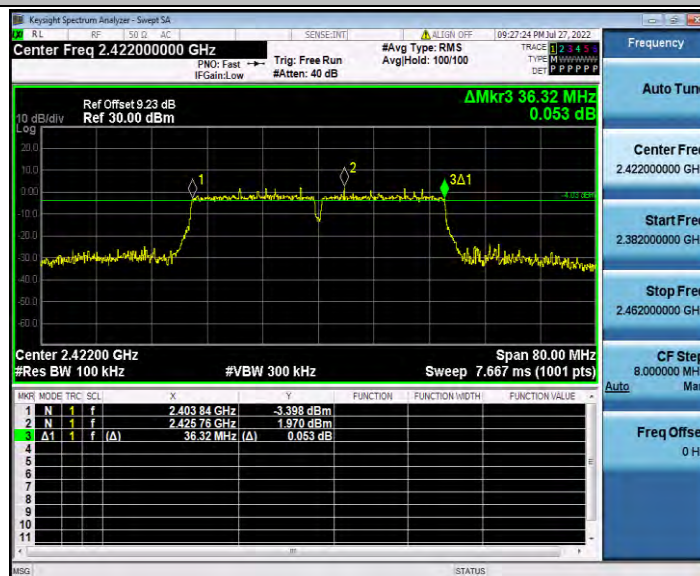




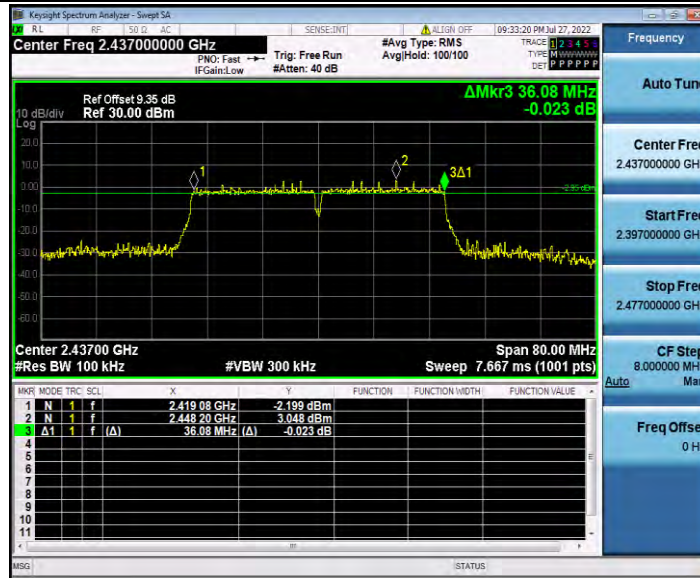
11N20SISO_Ant1_2462



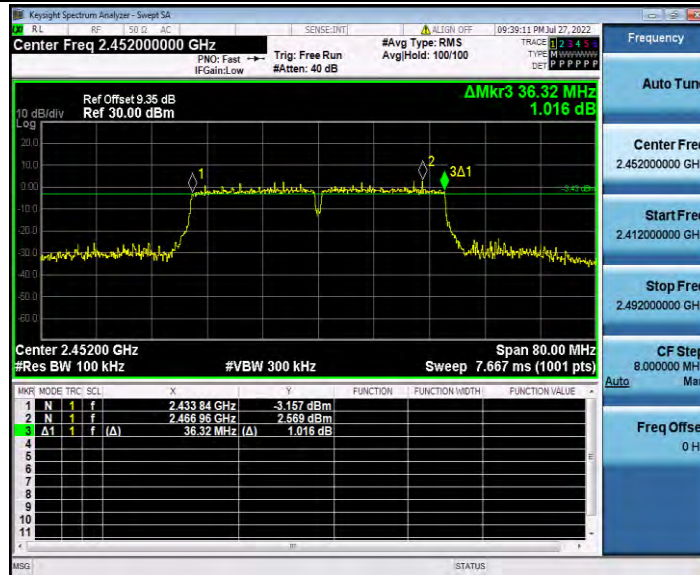
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.2: Occupied Channel Bandwidth

Test Result

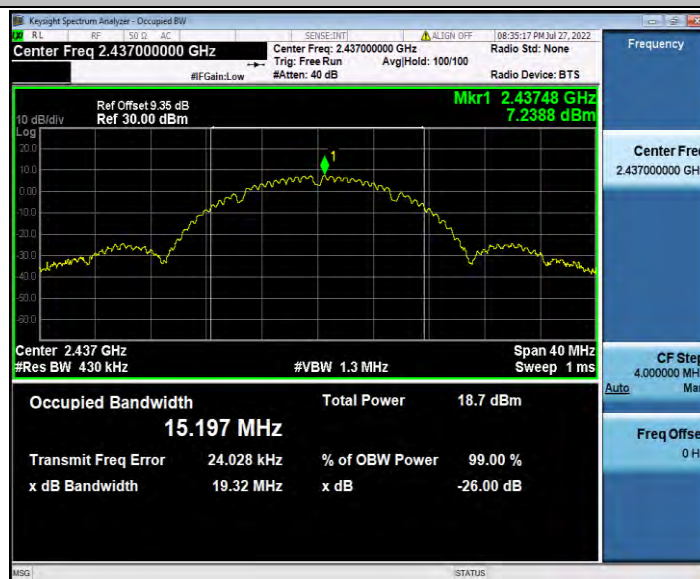
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.204	2404.359	2419.563	---	---
		2437	15.197	2429.426	2444.623	---	---
		2462	15.122	2454.409	2469.531	---	---
11G	Ant1	2412	17.357	2403.276	2420.633	---	---
		2437	17.367	2428.314	2445.681	---	---
		2462	17.404	2453.224	2470.628	---	---
11N20SISO	Ant1	2412	18.281	2402.865	2421.146	---	---
		2437	18.276	2427.863	2446.139	---	---
		2462	18.210	2452.884	2471.094	---	---
11N40SISO	Ant1	2422	36.914	2403.527	2440.441	---	---
		2437	36.823	2418.622	2455.445	---	---
		2452	36.721	2433.664	2470.385	---	---

Test Graphs

11B_Ant1_2412



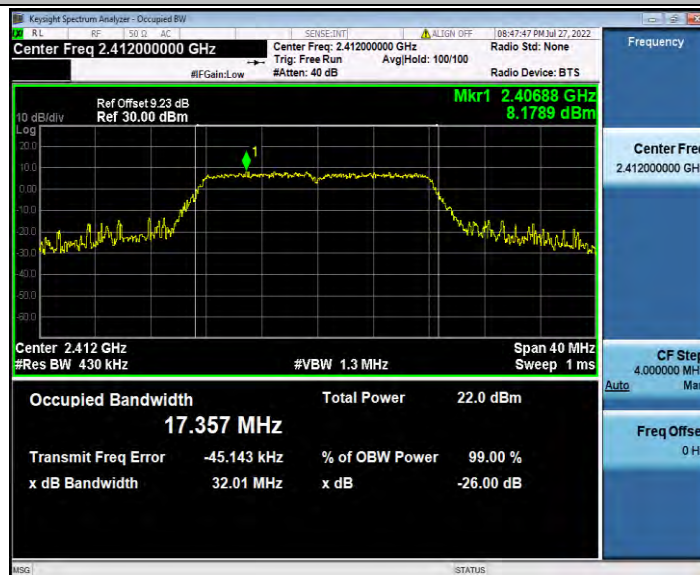
11B_Ant1_2437



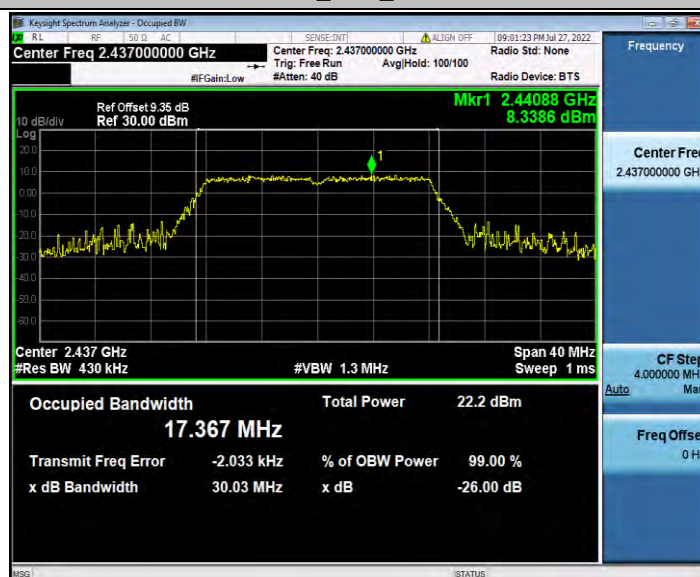
11B_Ant1_2462



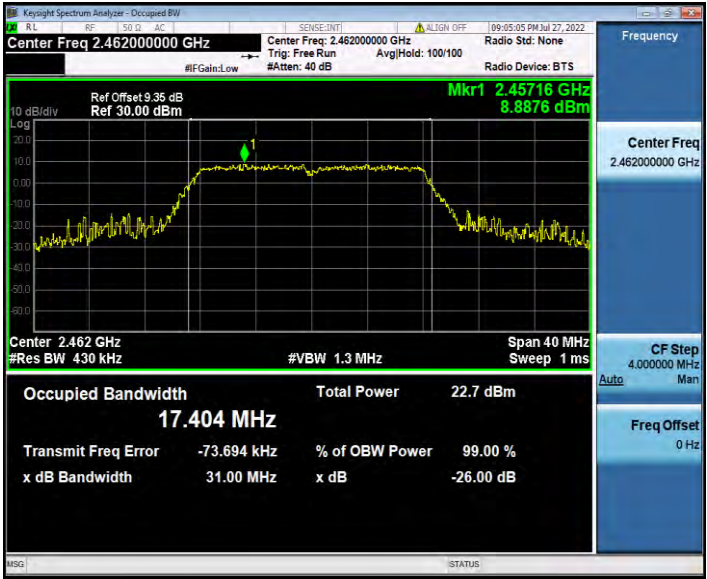
11G_Ant1_2412



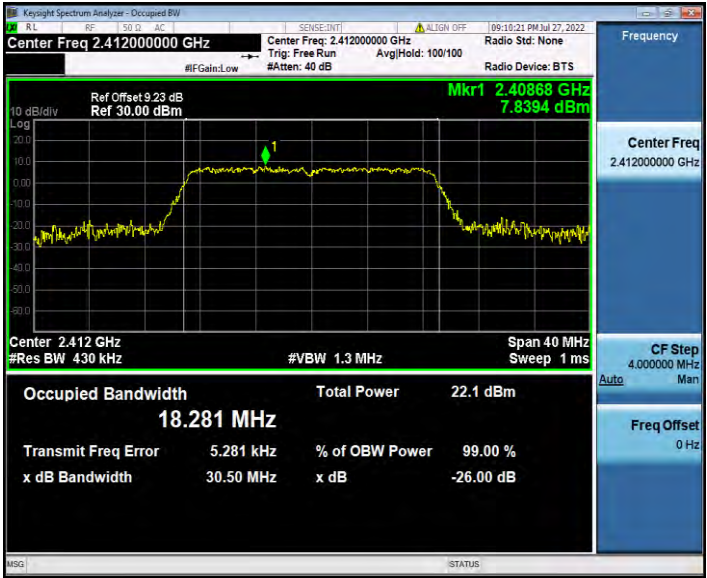
11G_Ant1_2437



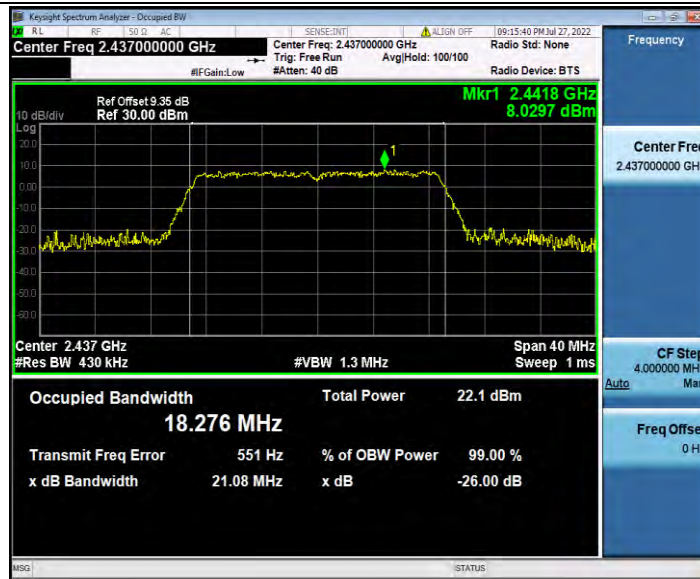
11G_Ant1_2462



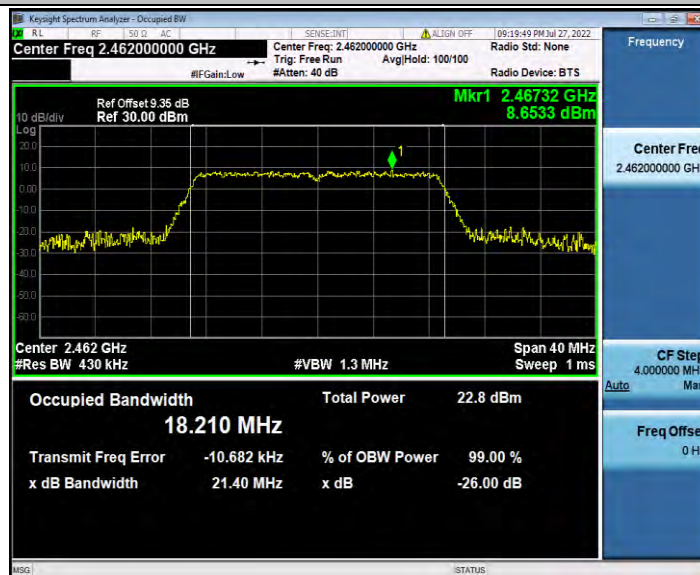
11N20SISO_Ant1_2412



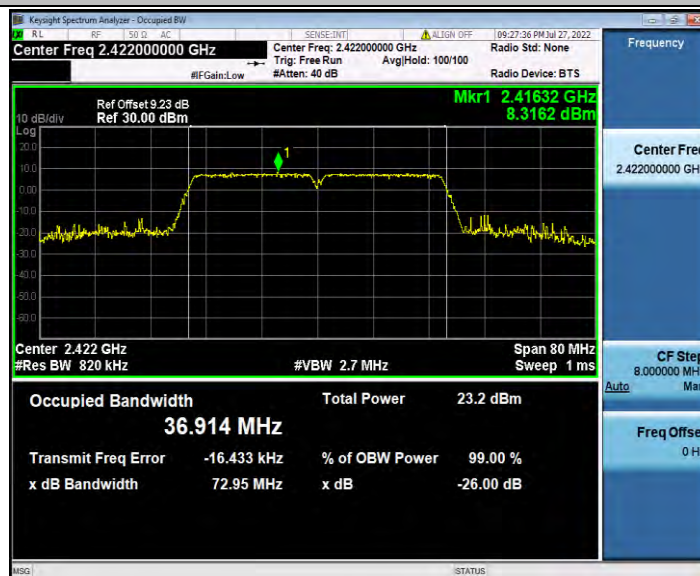
11N20SISO_Ant1_2437



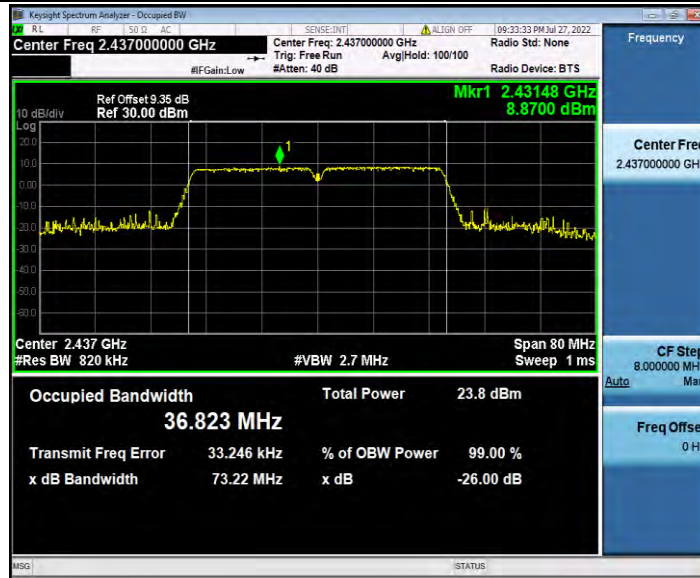
11N20SISO_Ant1_2462



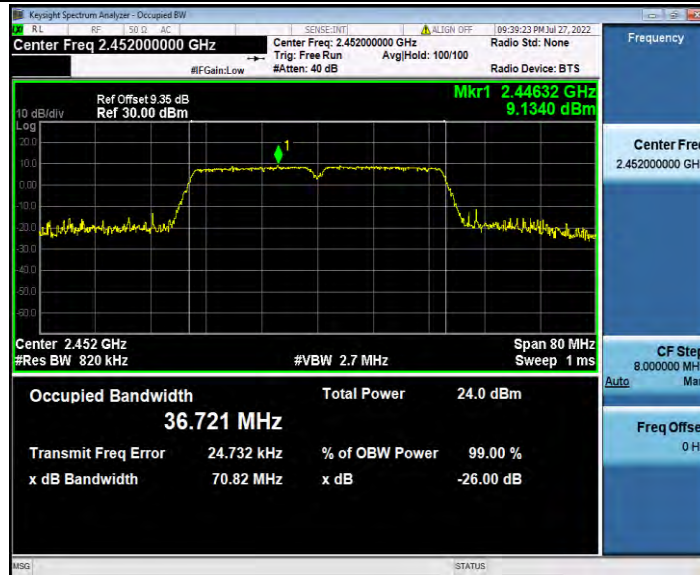
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



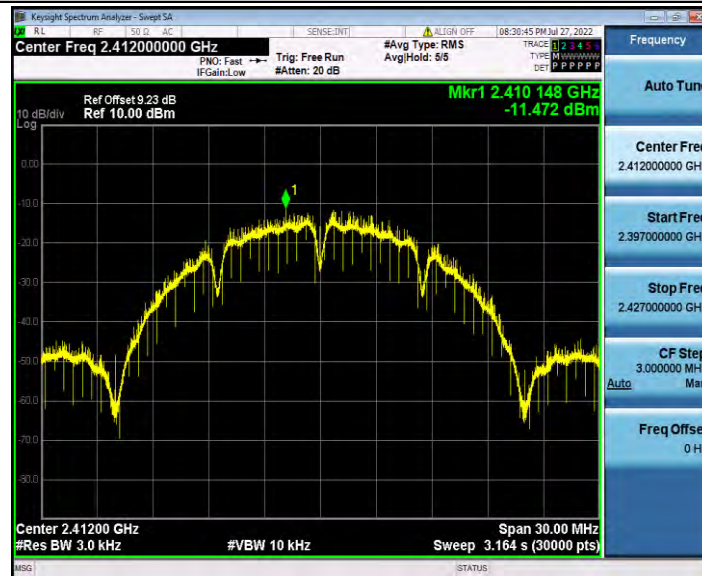
Appendix A.3: Maximum power spectral density

Test Result

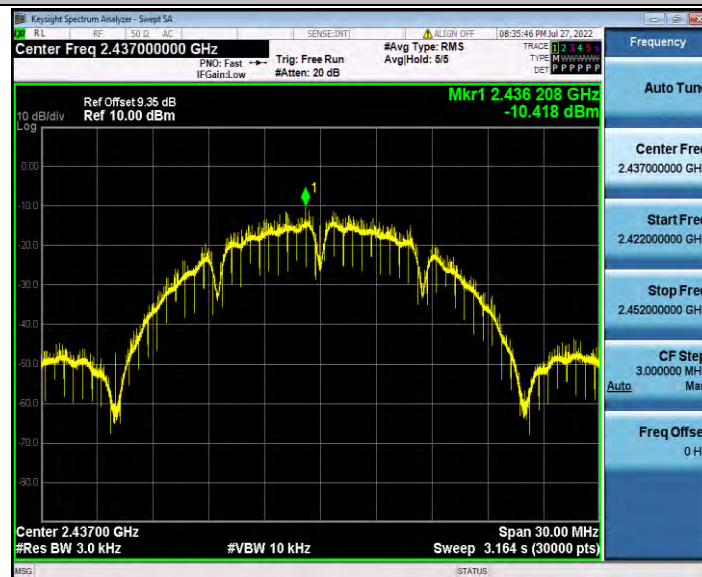
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.47	≤8.00	PASS
		2437	-10.42	≤8.00	PASS
		2462	-10.73	≤8.00	PASS
11G	Ant1	2412	-11.70	≤8.00	PASS
		2437	-11.42	≤8.00	PASS
		2462	-10.88	≤8.00	PASS
11N20SISO	Ant1	2412	-11.43	≤8.00	PASS
		2437	-12.25	≤8.00	PASS
		2462	-11.09	≤8.00	PASS
11N40SISO	Ant1	2422	-14.00	≤8.00	PASS
		2437	-12.57	≤8.00	PASS
		2452	-12.82	≤8.00	PASS

Test Graphs

11B_Ant1_2412



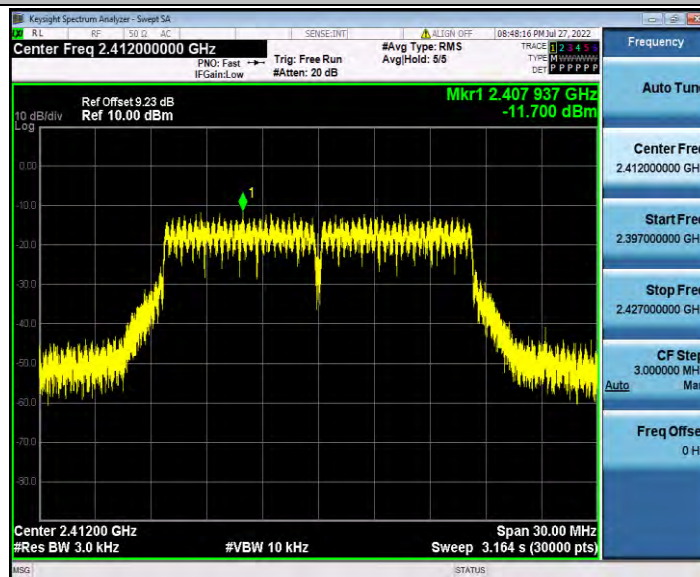
11B_Ant1_2437



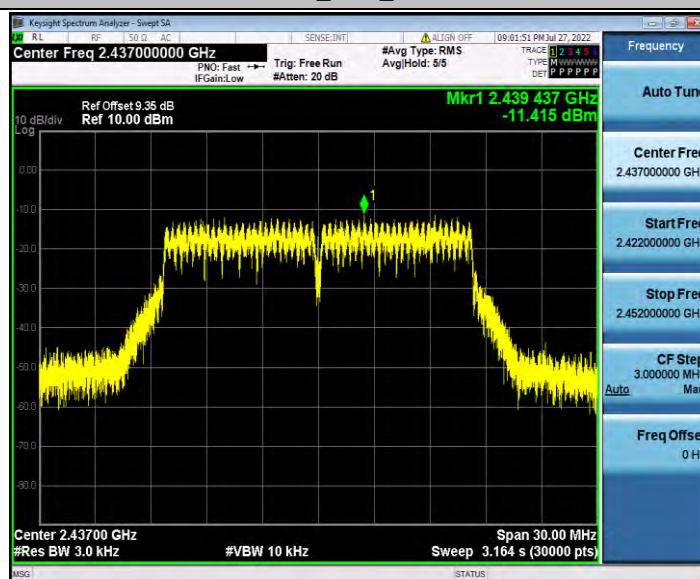
11B_Ant1_2462



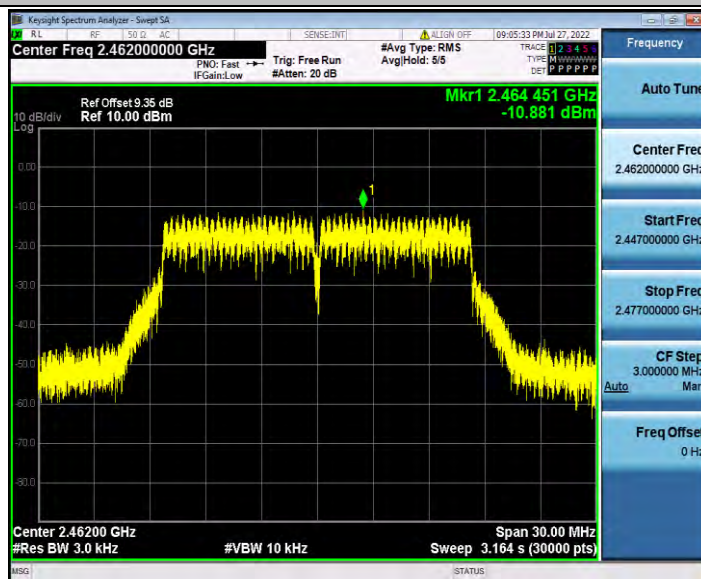
11G_Ant1_2412



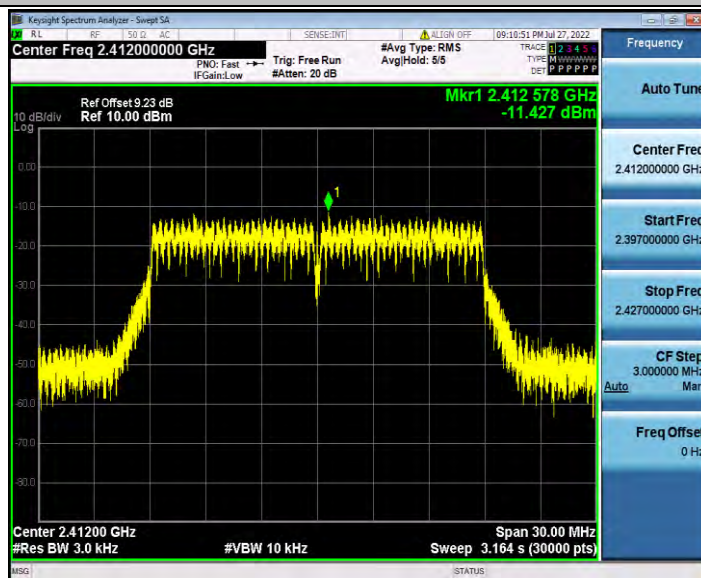
11G_Ant1_2437



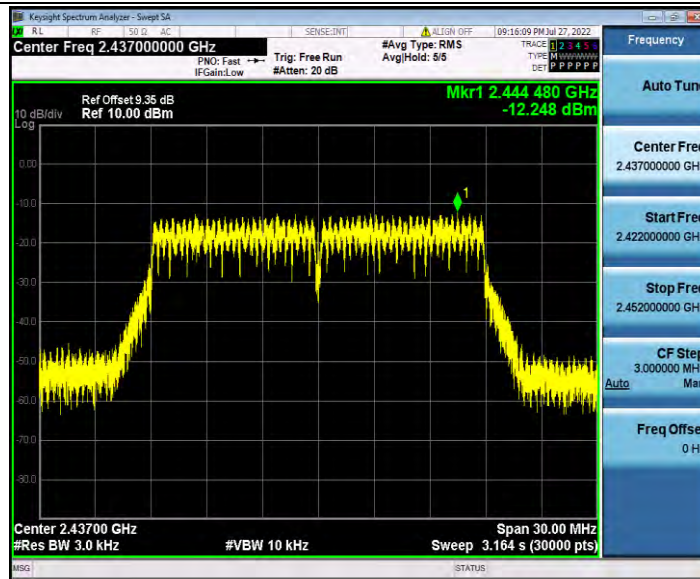
11G_Ant1_2462



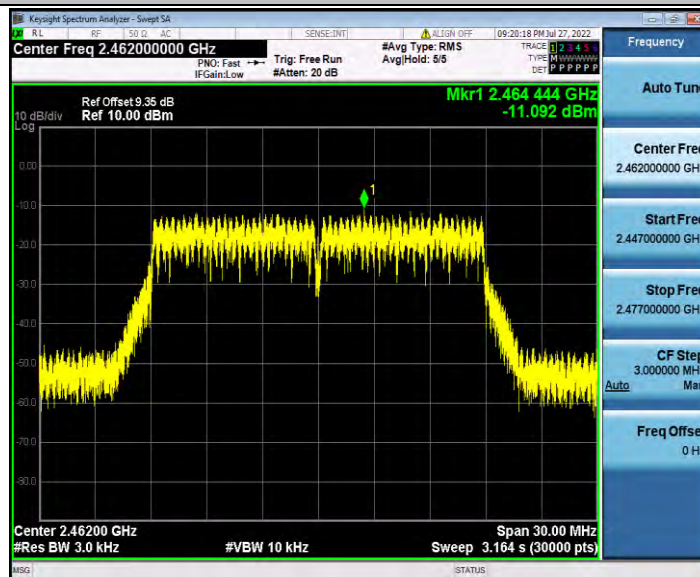
11N20SISO_Ant1_2412



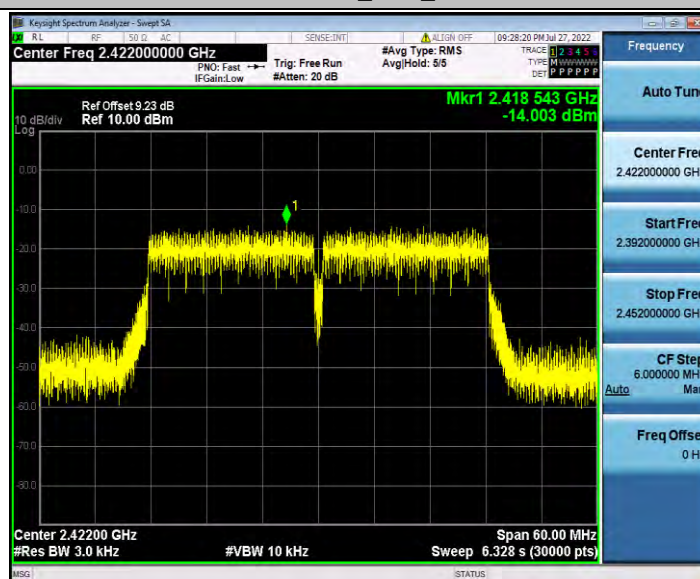
11N20SISO_Ant1_2437



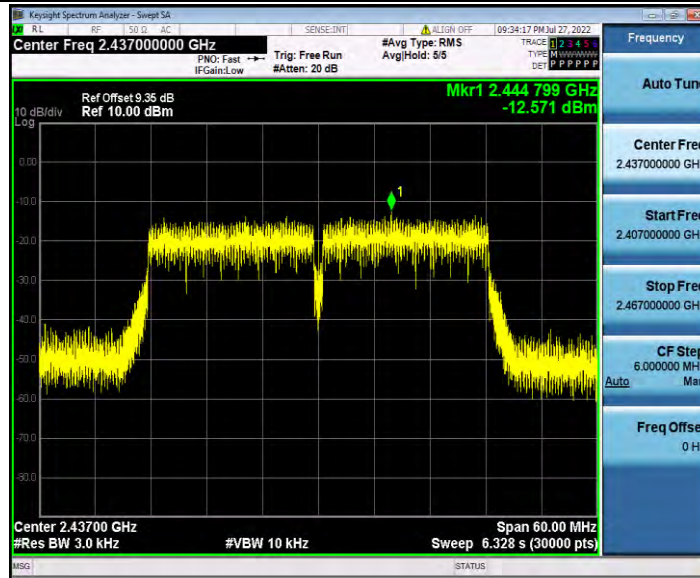
11N20SISO_Ant1_2462



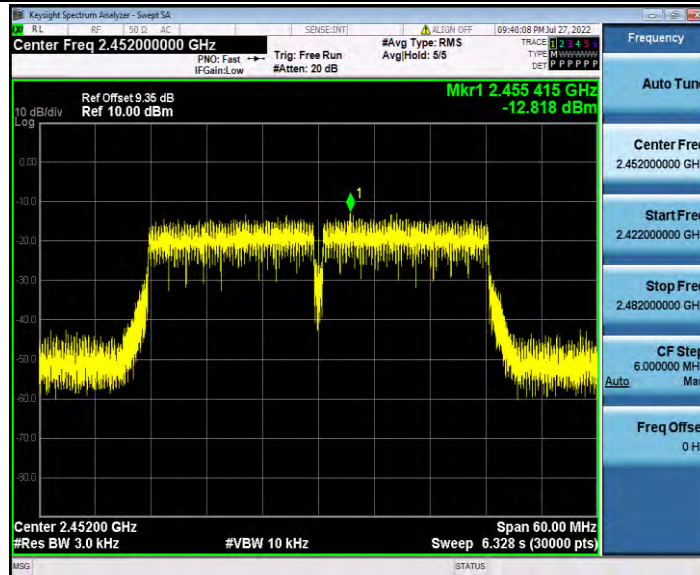
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.4: Band edge measurements

Test Result

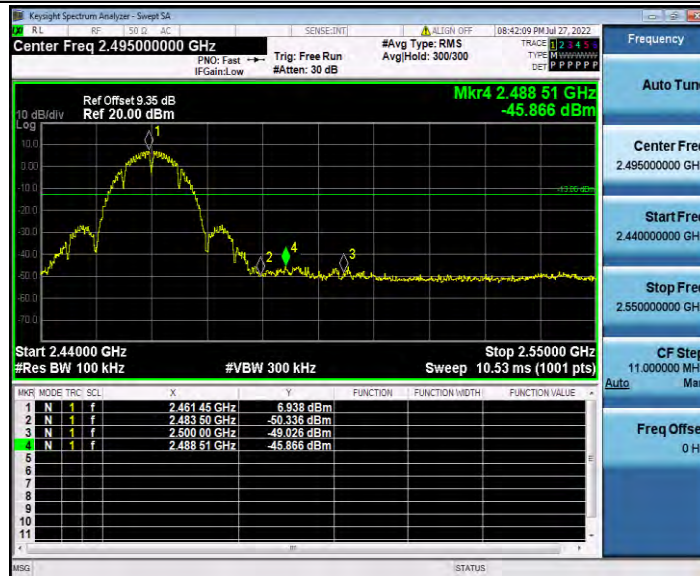
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.85	-26.3	≤ -14.15	PASS
		High	2462	6.94	-45.87	≤ -13.06	PASS
11G	Ant1	Low	2412	4.88	-23.38	≤ -15.12	PASS
		High	2462	5.66	-35.29	≤ -14.35	PASS
11N20SISO	Ant1	Low	2412	4.52	-27.16	≤ -15.48	PASS
		High	2462	4.87	-33.4	≤ -15.13	PASS
11N40SISO	Ant1	Low	2422	1.87	-24.15	≤ -18.14	PASS
		High	2452	3.12	-26.77	≤ -16.88	PASS

Test Graphs

11B_Ant1_Low_2412



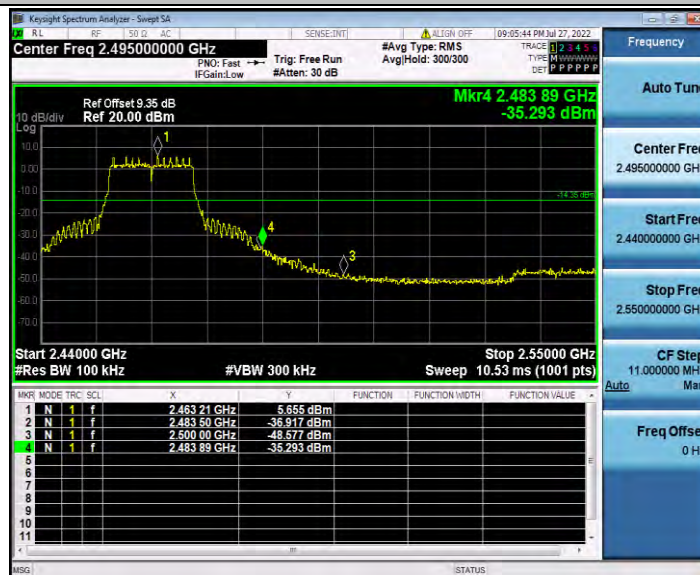
11B_Ant1_High_2462



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 A.5: Conducted Spurious Emission

Test Result

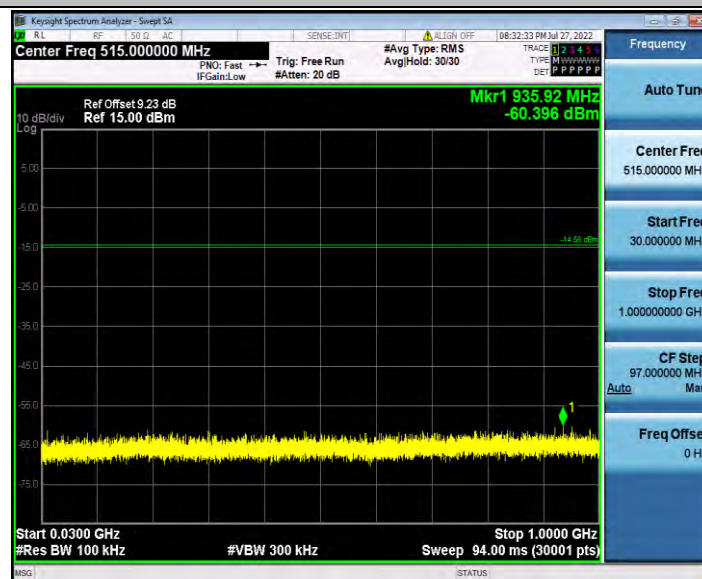
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.44	5.44	---	PASS
			30~1000	5.44	-60.4	≤ -14.56	PASS
			1000~26500	5.44	-42.52	≤ -14.56	PASS
		2437	Reference	5.90	5.90	---	PASS
			30~1000	5.90	-60.29	≤ -14.1	PASS
			1000~26500	5.90	-41.91	≤ -14.1	PASS
		2462	Reference	6.19	6.19	---	PASS
			30~1000	6.19	-60.27	≤ -13.81	PASS
			1000~26500	6.19	-42.94	≤ -13.81	PASS
11G	Ant1	2412	Reference	1.11	1.11	---	PASS
			30~1000	1.11	-60.43	≤ -18.89	PASS
			1000~26500	1.11	-44.68	≤ -18.89	PASS
		2437	Reference	1.80	1.80	---	PASS
			30~1000	1.80	-60.52	≤ -18.2	PASS
			1000~26500	1.80	-42.03	≤ -18.2	PASS
		2462	Reference	5.14	5.14	---	PASS
			30~1000	5.14	-60.43	≤ -14.86	PASS
			1000~26500	5.14	-42.56	≤ -14.86	PASS
11N20SISO	Ant1	2412	Reference	-14.85	-14.85	---	PASS
			30~1000	-14.85	-60.63	≤ -34.85	PASS
			1000~26500	-14.85	-47.57	≤ -34.85	PASS
		2437	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-60.3	≤ -19.02	PASS
			1000~26500	0.98	-44.07	≤ -19.02	PASS
		2462	Reference	1.71	1.71	---	PASS
			30~1000	1.71	-45.37	≤ -18.29	PASS
			1000~26500	1.71	-42.86	≤ -18.29	PASS
11N40SISO	Ant1	2422	Reference	-1.44	-1.44	---	PASS
			30~1000	-1.44	-60.59	≤ -21.44	PASS
			1000~26500	-1.44	-46.82	≤ -21.44	PASS
		2437	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-60.06	≤ -17.96	PASS
			1000~26500	2.04	-44.16	≤ -17.96	PASS
		2452	Reference	2.81	2.81	---	PASS
			30~1000	2.81	-60.16	≤ -17.19	PASS
			1000~26500	2.81	-43.12	≤ -17.19	PASS

Test Graphs

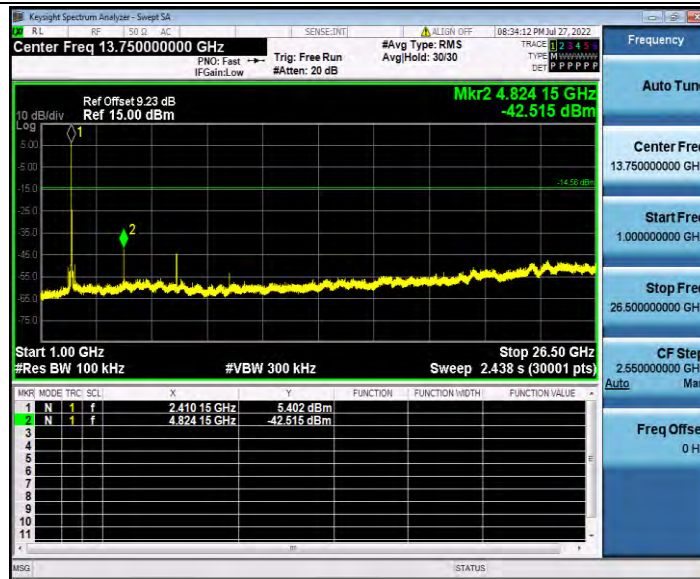
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



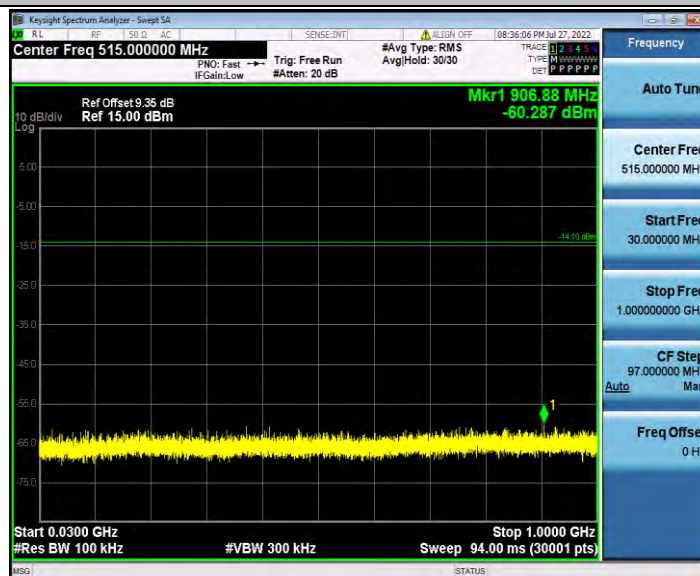
11B_Ant1_2412_1000~26500



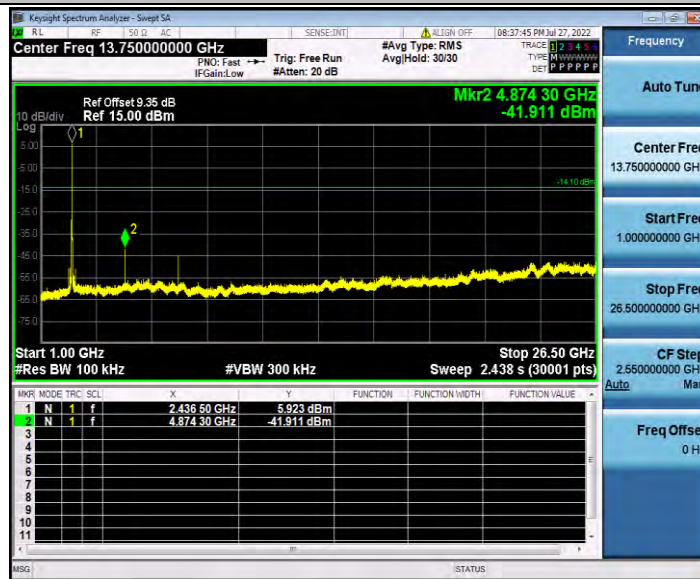
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



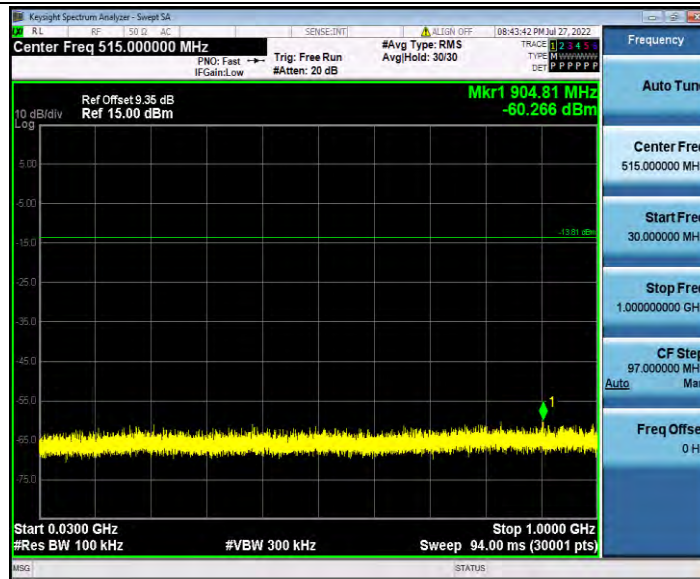
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



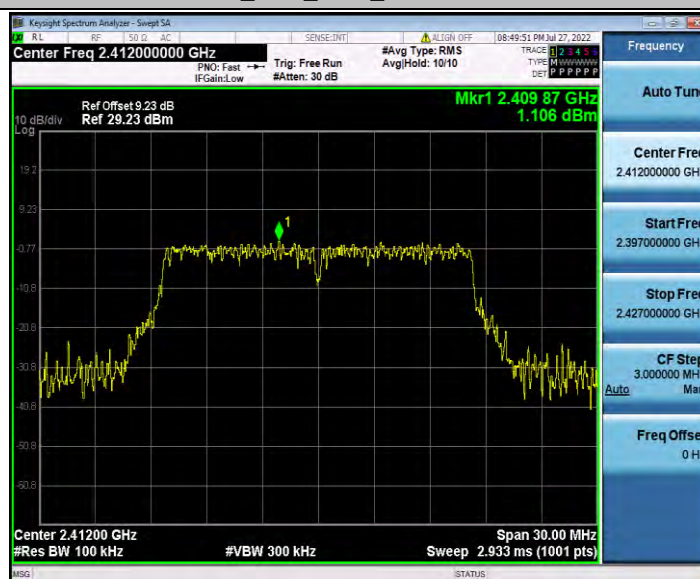
11B_Ant1_2462_30~1000



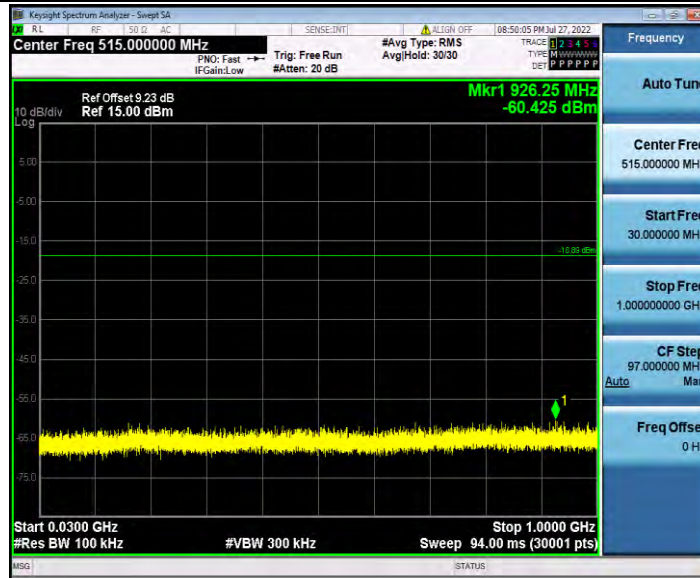
11B_Ant1_2462_1000~26500



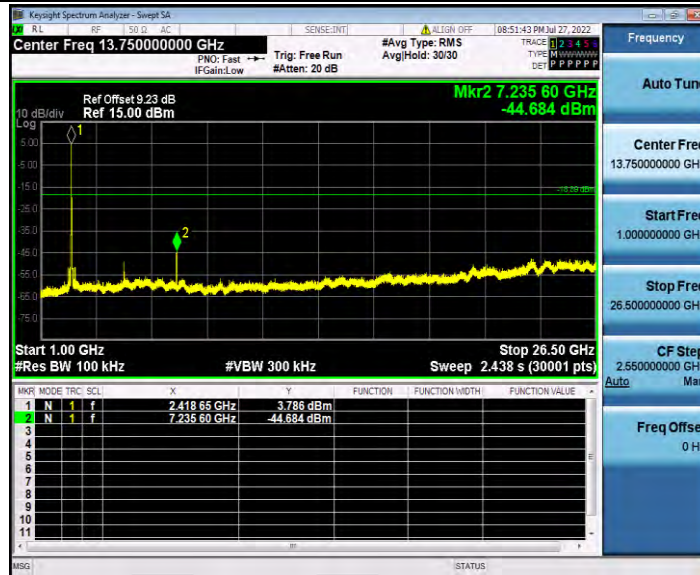
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



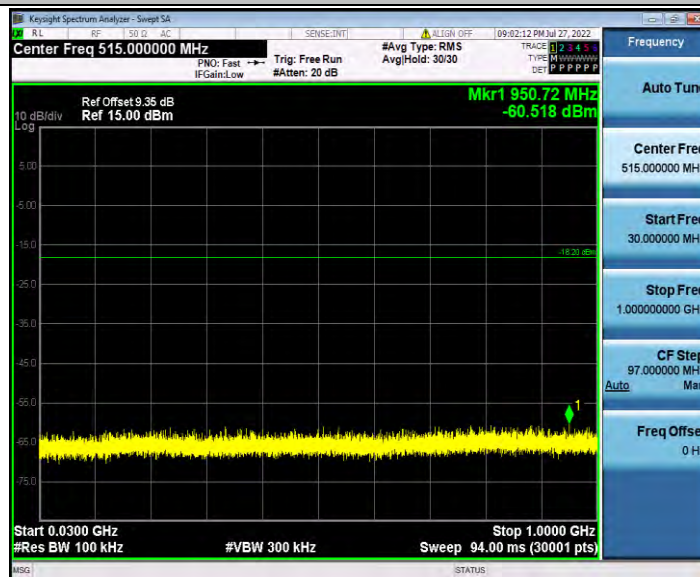
11G_Ant1_2412_1000~26500



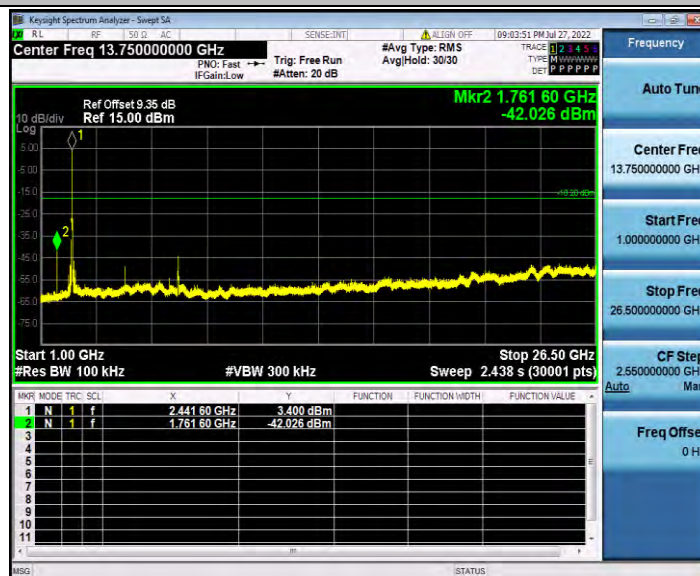
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



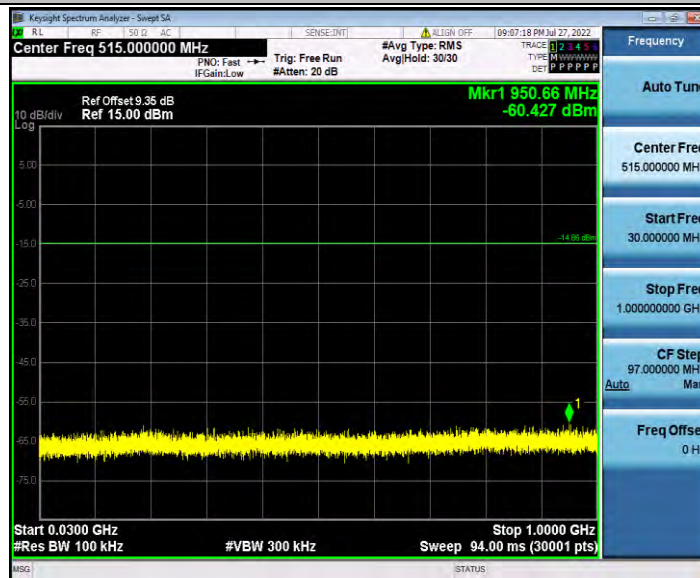
11G_Ant1_2437_1000~26500



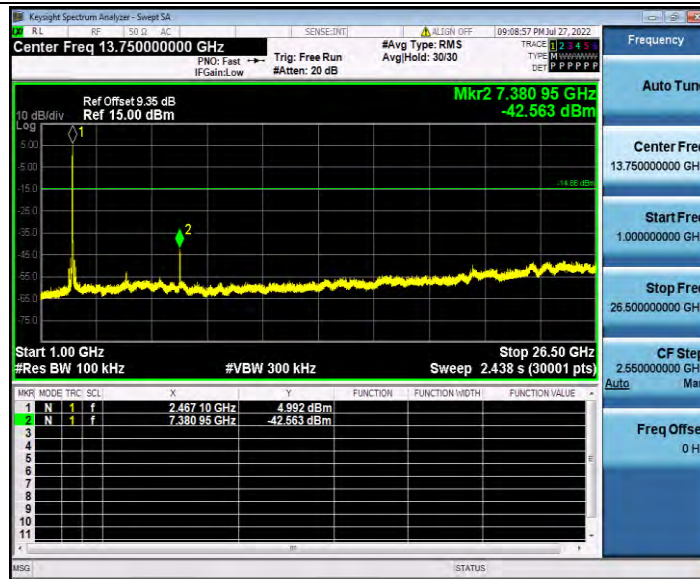
11G_Ant1_2462_0~Reference



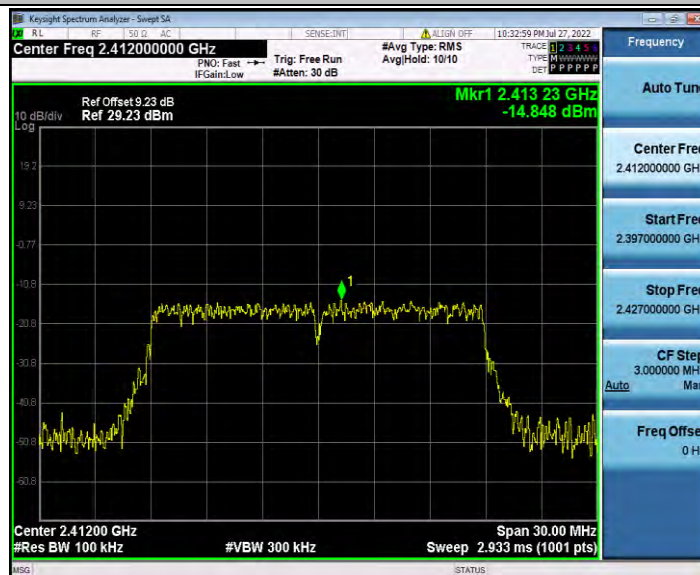
11G_Ant1_2462_30~1000



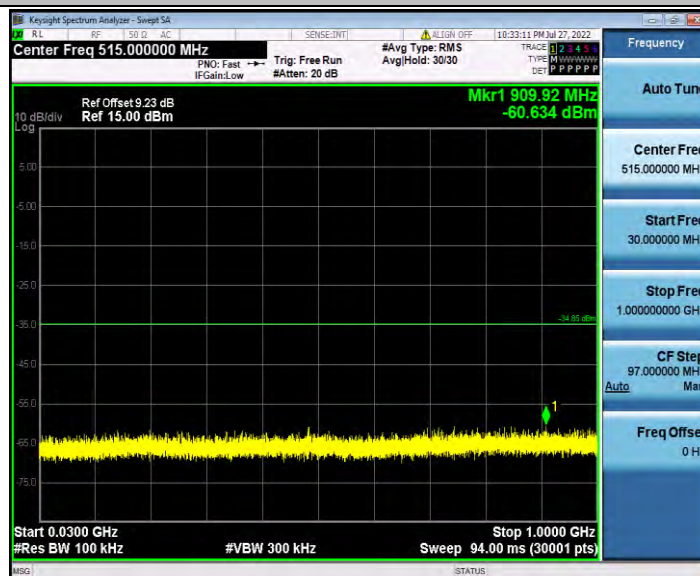
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



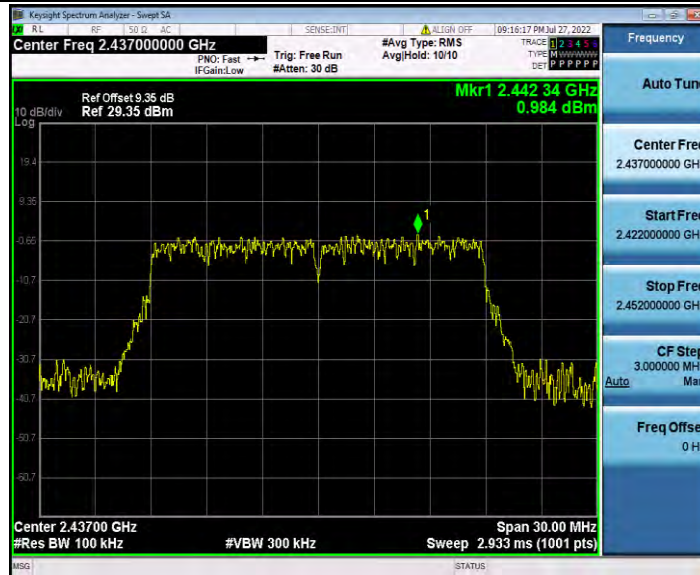
11N20SISO_Ant1_2412_30~1000



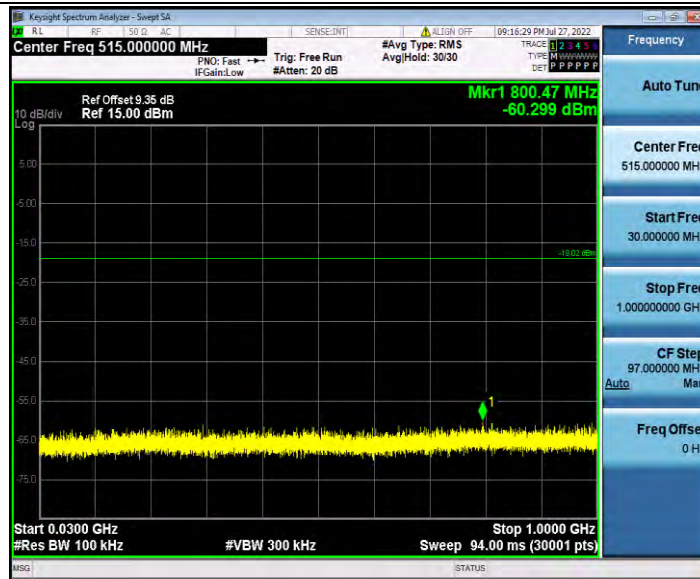
11N20SISO_Ant1_2412_1000~26500



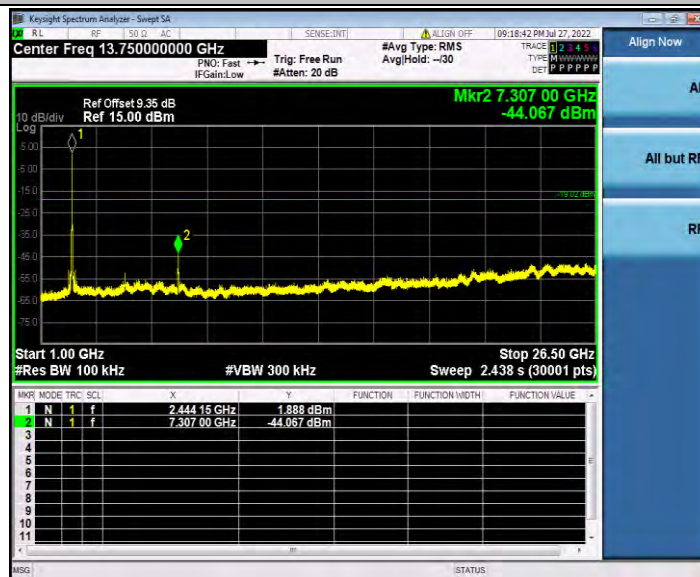
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



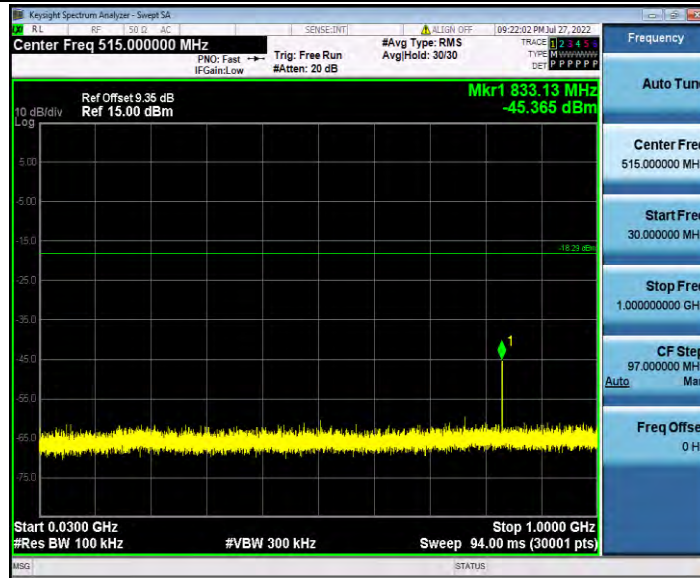
11N20SISO_Ant1_2437_1000~26500



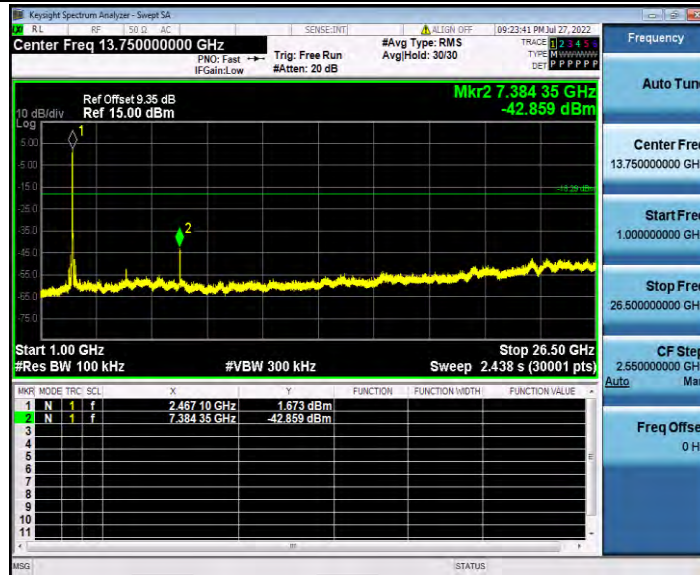
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



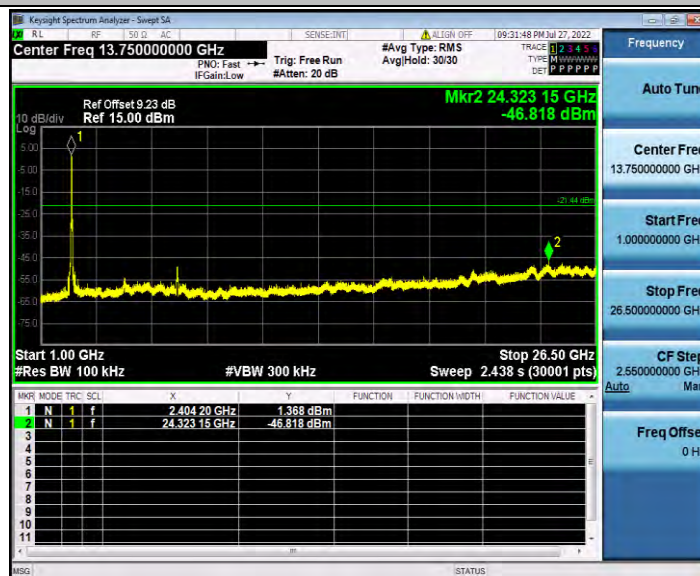
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



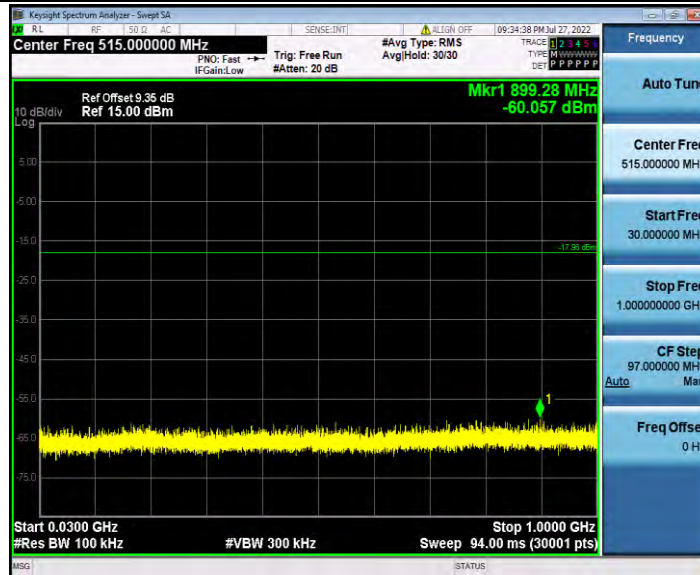
11N40SISO_Ant1_2422_1000~26500



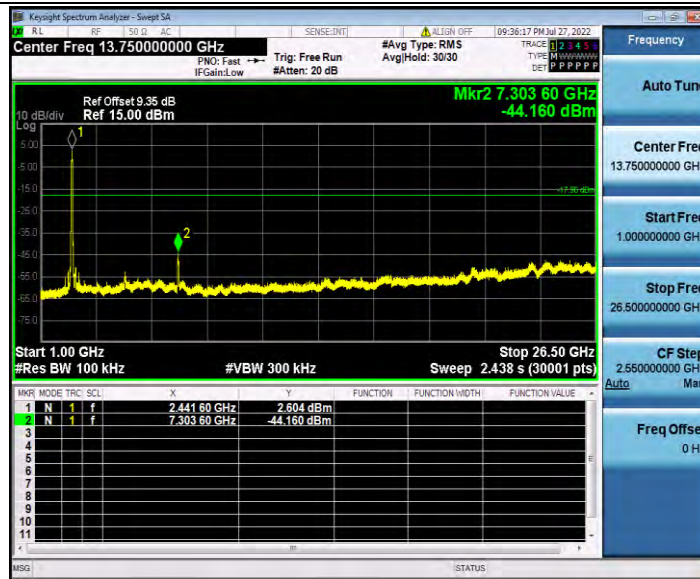
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



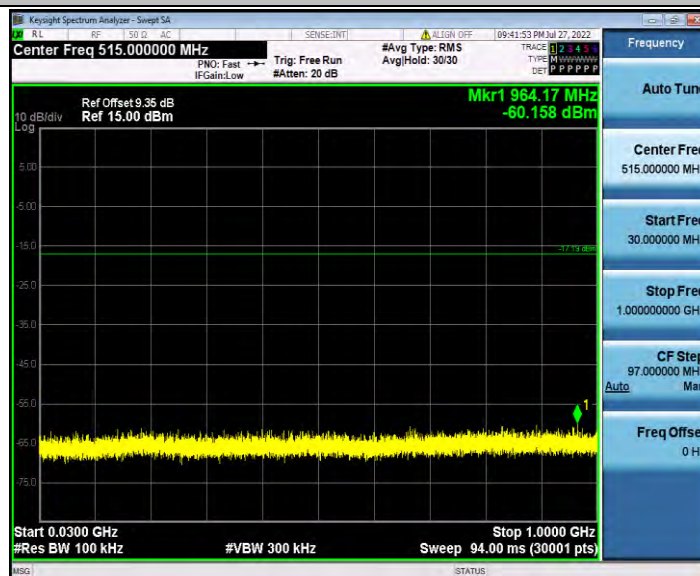
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

