

Case No. : GTS20211218008-1-16	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.6.27	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	8.040	2408.000	2416.040	0.5	PASS
		2437	8.520	2433.000	2441.520	0.5	PASS
		2462	7.080	2458.480	2465.560	0.5	PASS
11G	Ant1	2412	14.840	2404.720	2419.560	0.5	PASS
		2437	16.280	2428.880	2445.160	0.5	PASS
		2462	13.720	2454.480	2468.200	0.5	PASS
11N20SISO	Ant1	2412	16.880	2403.600	2420.480	0.5	PASS
		2437	13.960	2430.520	2444.480	0.5	PASS
		2462	14.680	2454.840	2469.520	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

11B_Ant1_2412



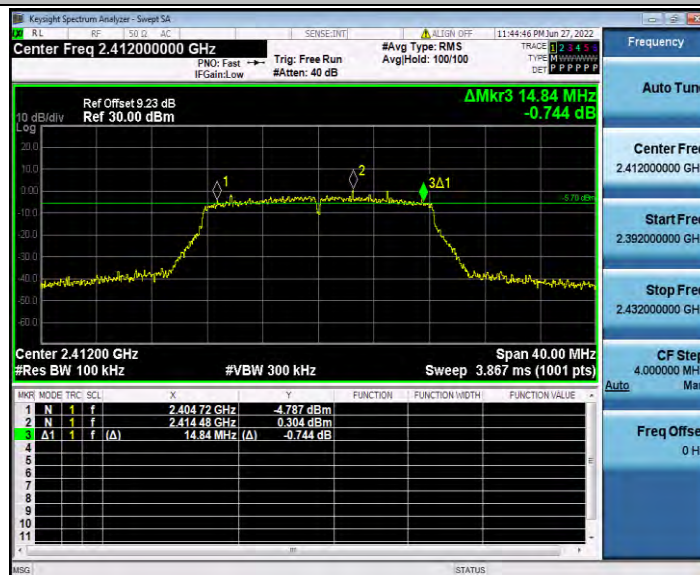
11B_Ant1_2437



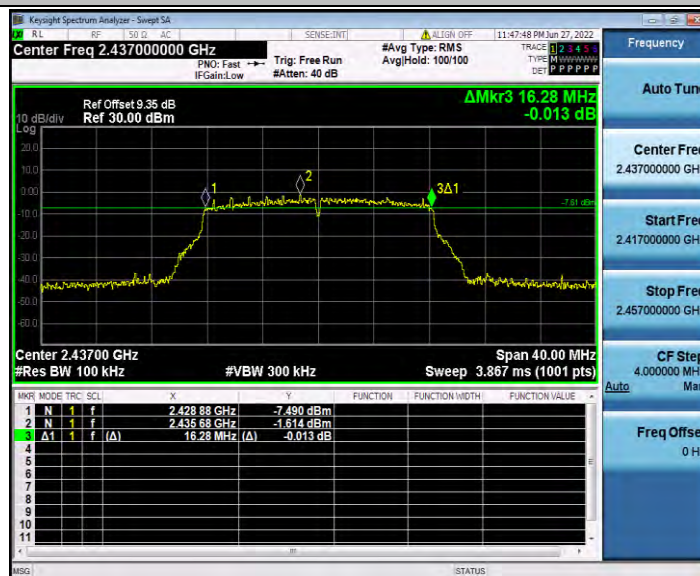
11B_Ant1_2462



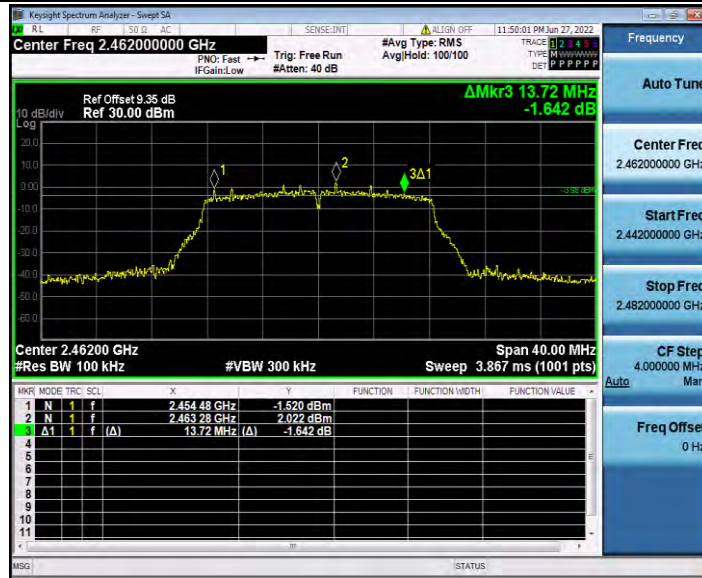
11G_Ant1_2412



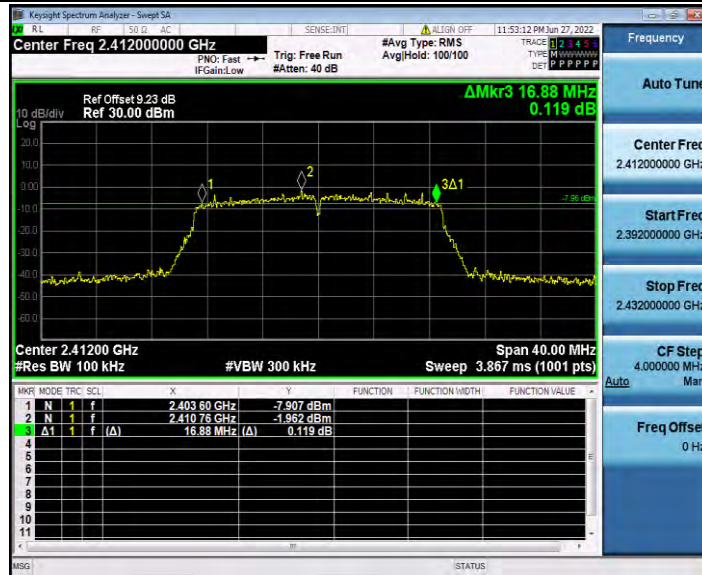
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



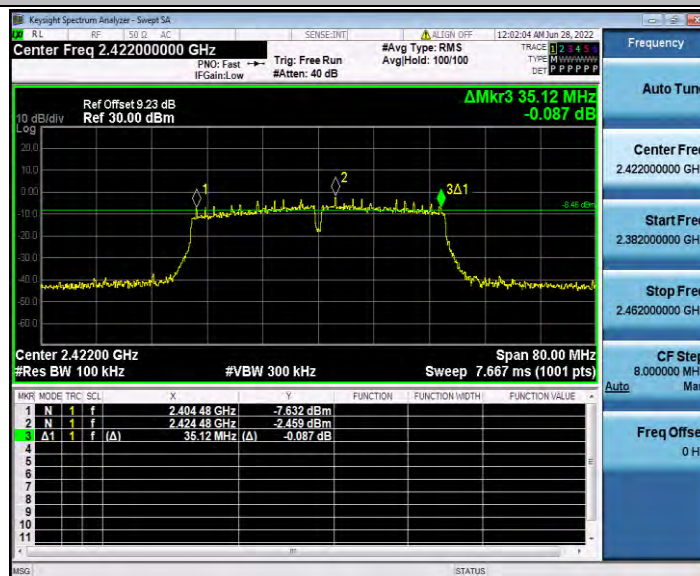
11N20SISO_Ant1_2437



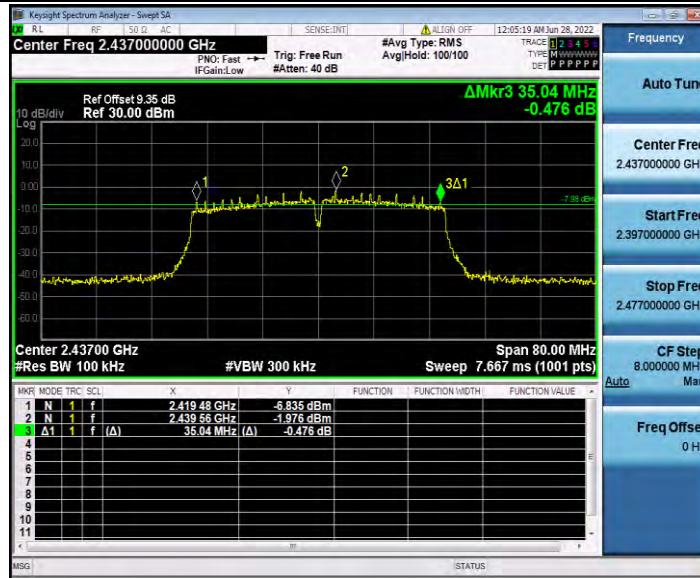
11N20SISO_Ant1_2462



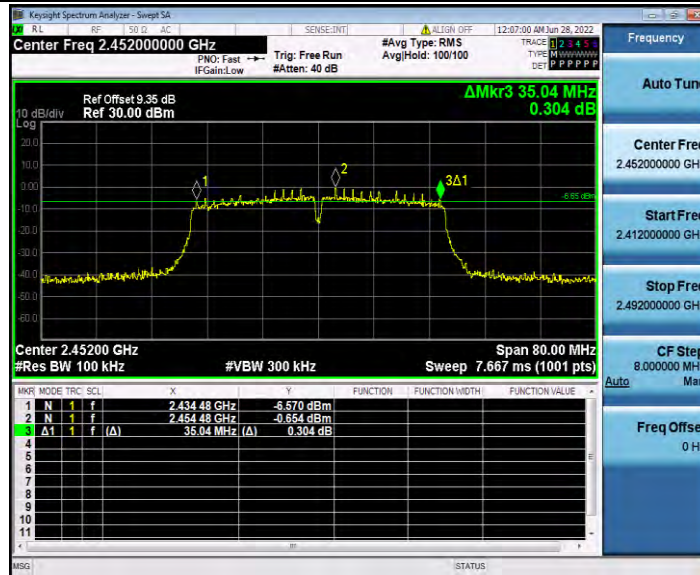
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



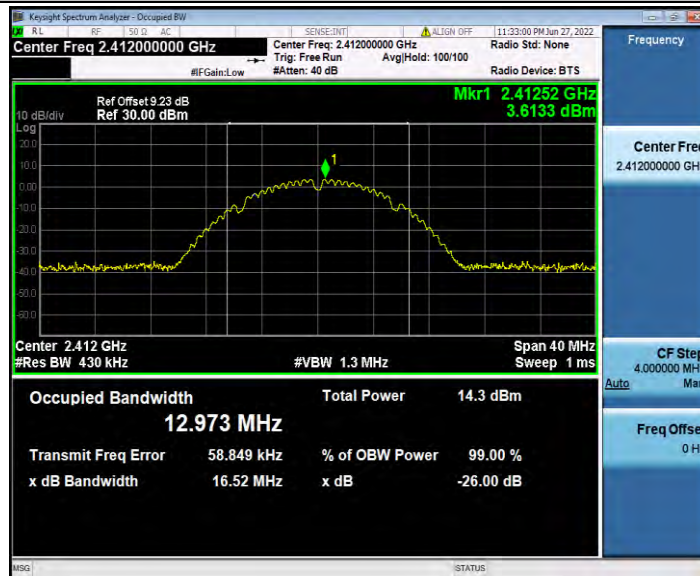
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.973	2405.572	2418.545	---	---
		2437	12.866	2430.642	2443.508	---	---
		2462	12.858	2455.607	2468.465	---	---
11G	Ant1	2412	16.855	2403.622	2420.477	---	---
		2437	16.788	2428.705	2445.493	---	---
		2462	16.803	2453.676	2470.479	---	---
11N20SISO	Ant1	2412	17.811	2403.147	2420.958	---	---
		2437	17.855	2428.123	2445.978	---	---
		2462	17.816	2453.116	2470.932	---	---
11N40SISO	Ant1	2422	36.171	2404.072	2440.243	---	---
		2437	36.116	2419.041	2455.157	---	---
		2452	36.071	2434.048	2470.119	---	---

Test Graphs

11B_Ant1_2412



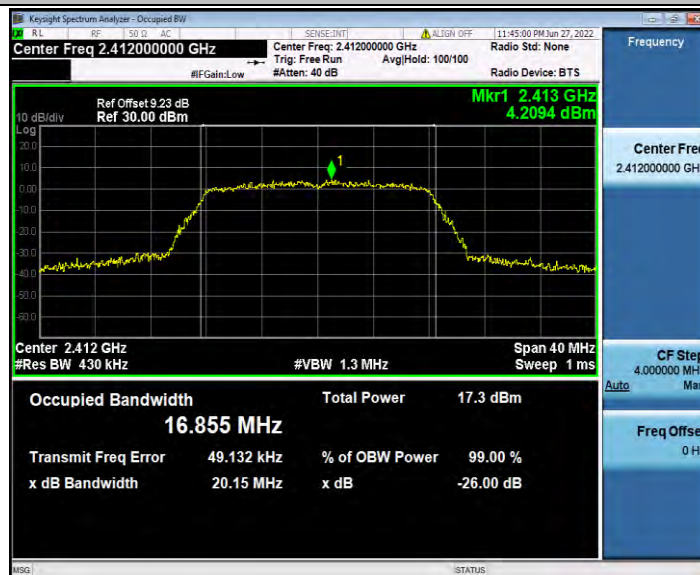
11B_Ant1_2437



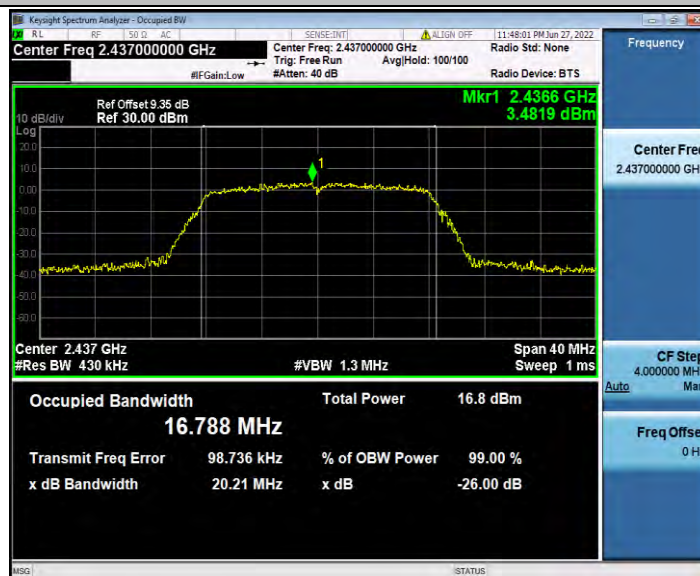
11B_Ant1_2462



11G_Ant1_2412



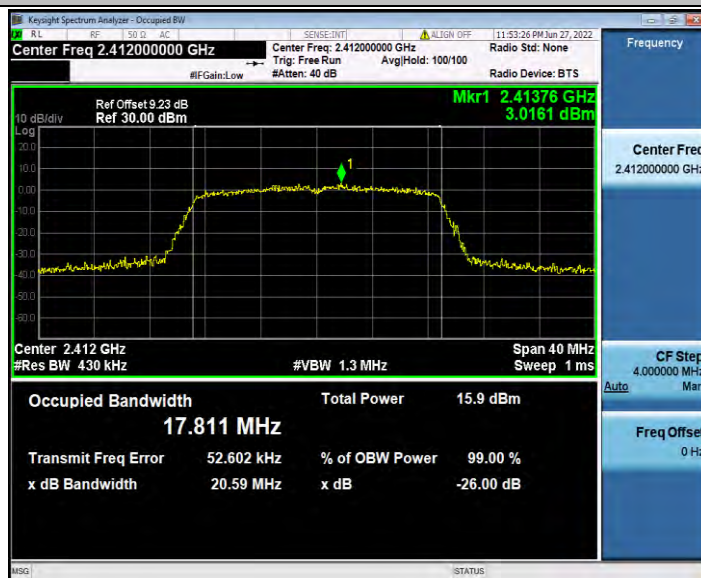
11G_Ant1_2437



11G_Ant1_2462



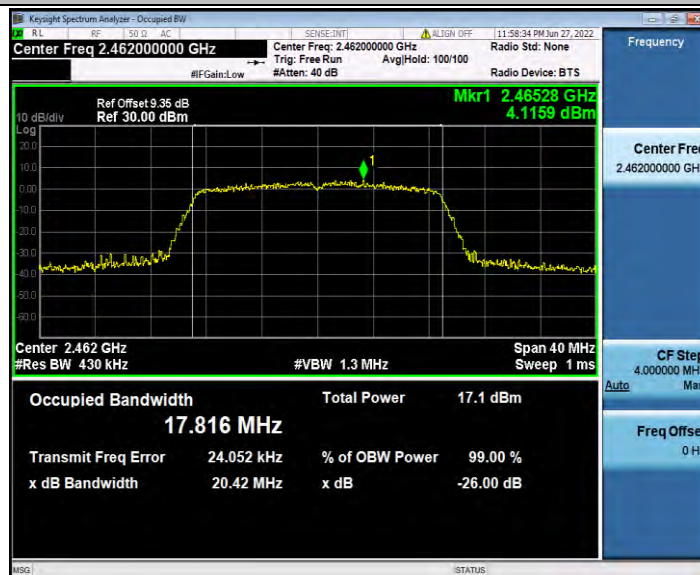
11N20SISO_Ant1_2412



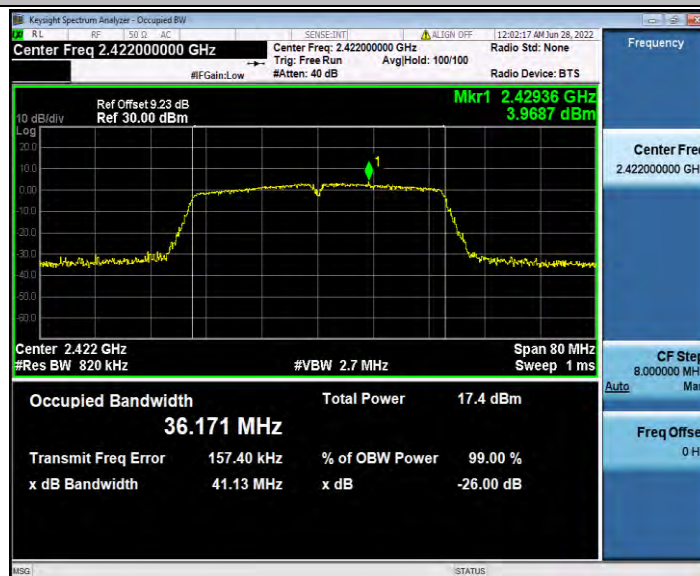
11N20SISO_Ant1_2437



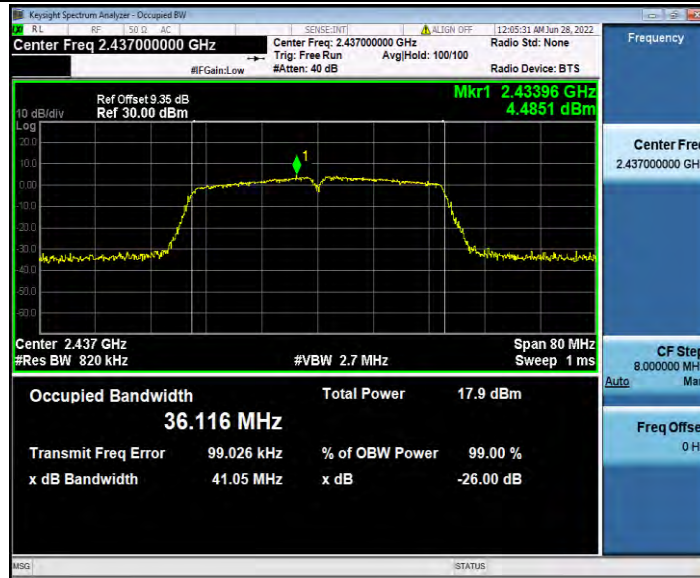
11N20SISO_Ant1_2462



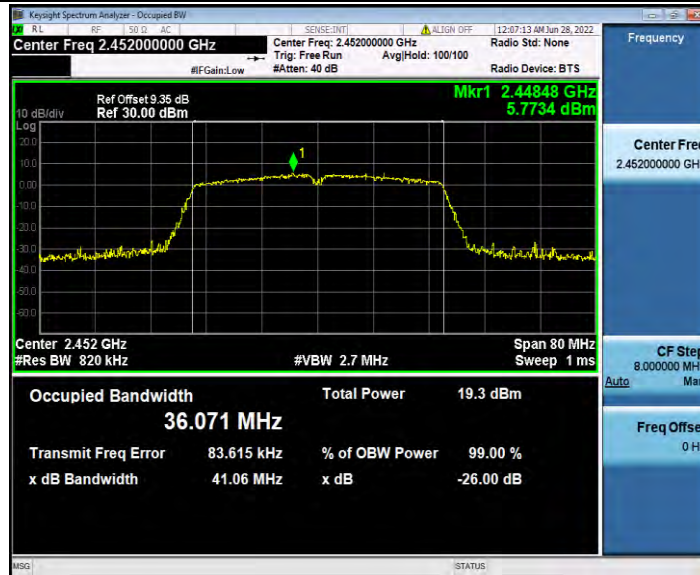
11N40SISO_Ant1_2422



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	14.35	≤30.00	PASS
		2437	15.14	≤30.00	PASS
		2462	14.63	≤30.00	PASS
11G	Ant1	2412	18.41	≤30.00	PASS
		2437	18.04	≤30.00	PASS
		2462	19.31	≤30.00	PASS
11N20SISO	Ant1	2412	17.10	≤30.00	PASS
		2437	17.91	≤30.00	PASS
		2462	18.22	≤30.00	PASS
11N40SISO	Ant1	2422	17.71	≤30.00	PASS
		2437	18.29	≤30.00	PASS
		2452	19.60	≤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	-11.07	≤8.00	PASS
		2437	-10.88	≤8.00	PASS
		2462	-10.38	≤8.00	PASS
11G	Ant1	2412	-13.66	≤8.00	PASS
		2437	-14.4	≤8.00	PASS
		2462	-12.29	≤8.00	PASS
11N20SISO	Ant1	2412	-15.39	≤8.00	PASS
		2437	-13.61	≤8.00	PASS
		2462	-13.92	≤8.00	PASS
11N40SISO	Ant1	2422	-17.81	≤8.00	PASS
		2437	-16.41	≤8.00	PASS
		2452	-15.11	≤8.00	PASS

Test Graphs

11B_Ant1_2412



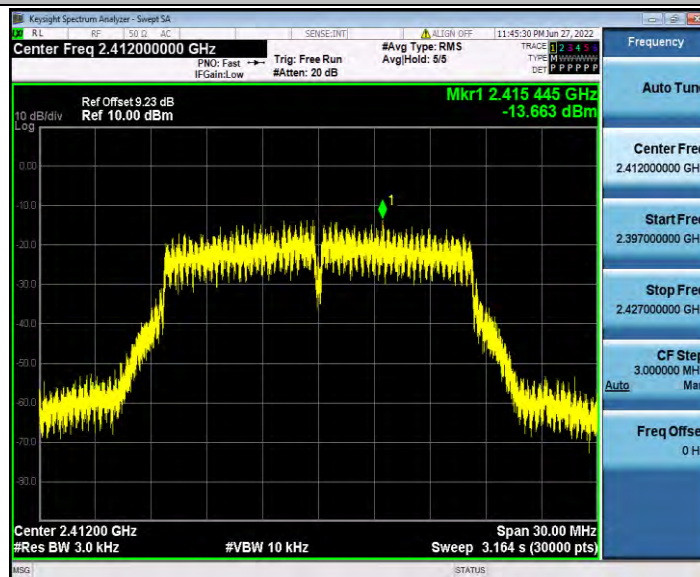
11B_Ant1_2437



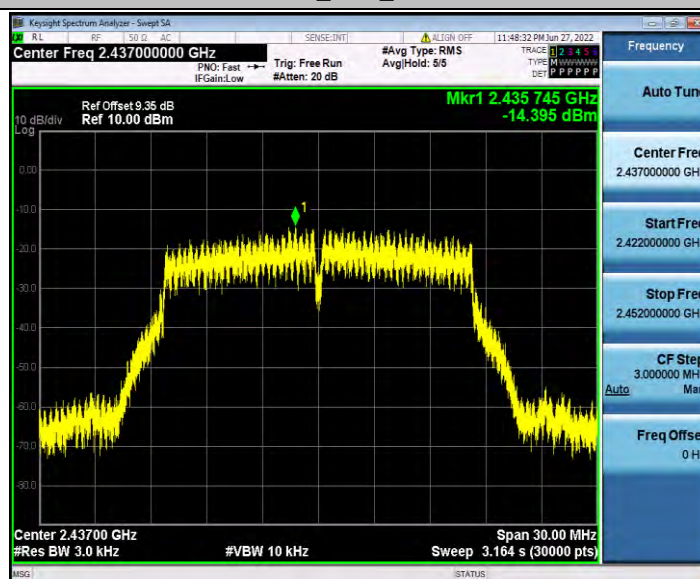
11B_Ant1_2462



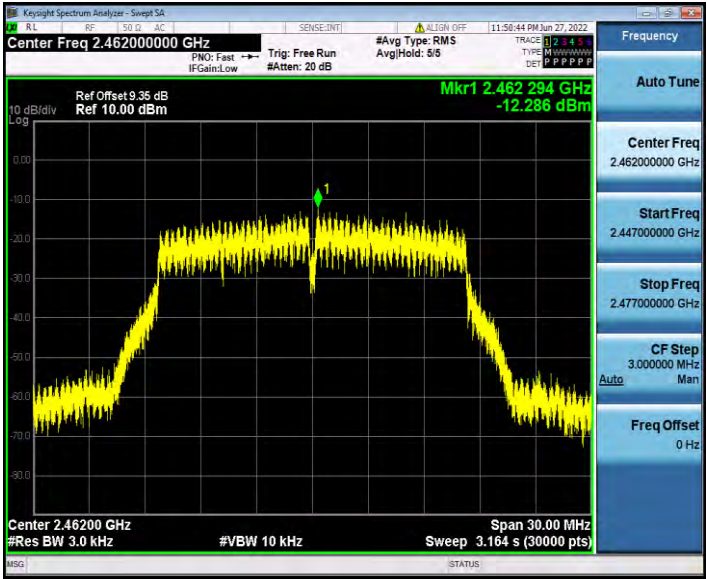
11G_Ant1_2412



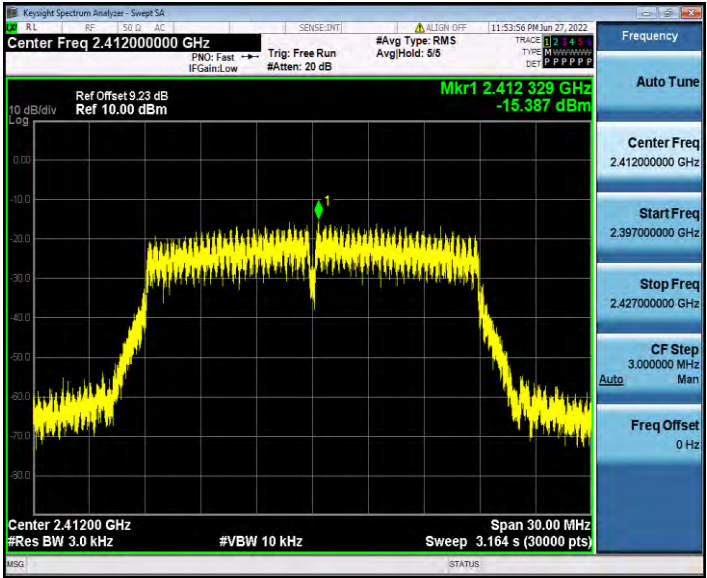
11G_Ant1_2437



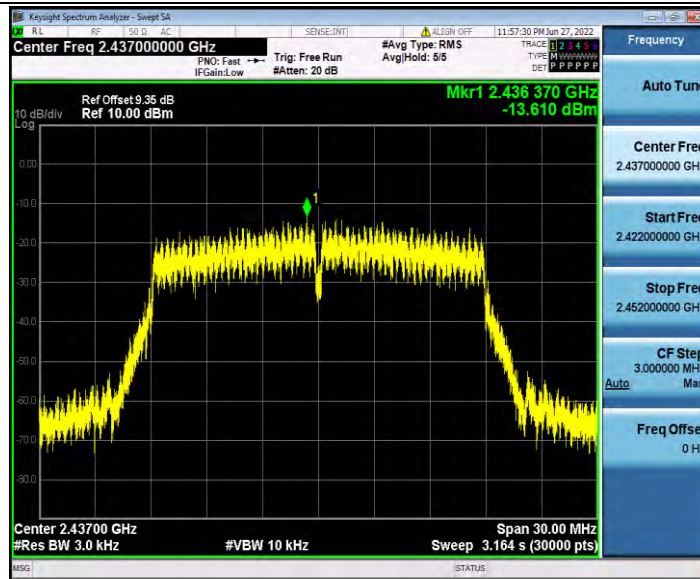
11G_Ant1_2462



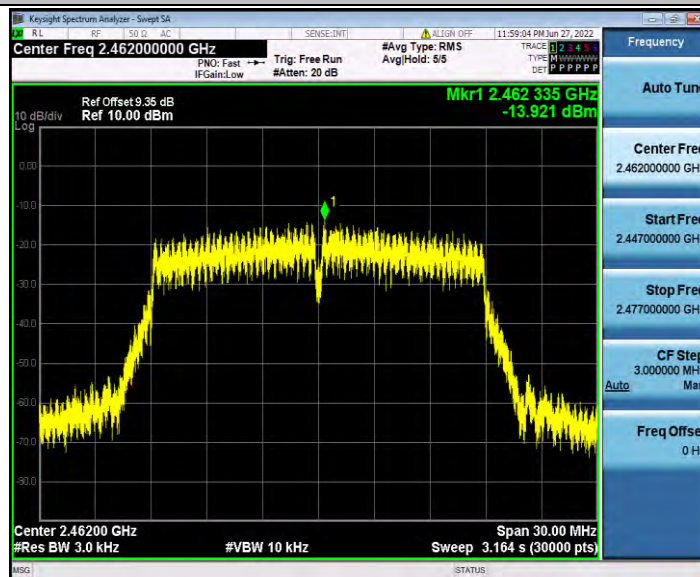
11N20SISO_Ant1_2412



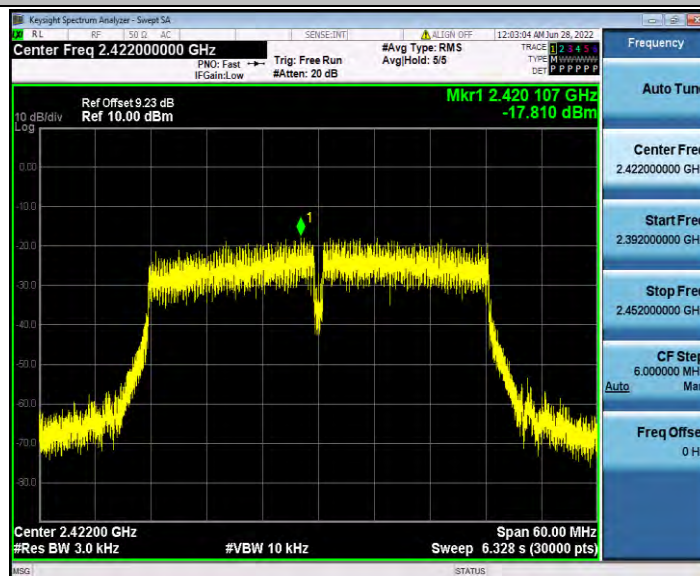
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



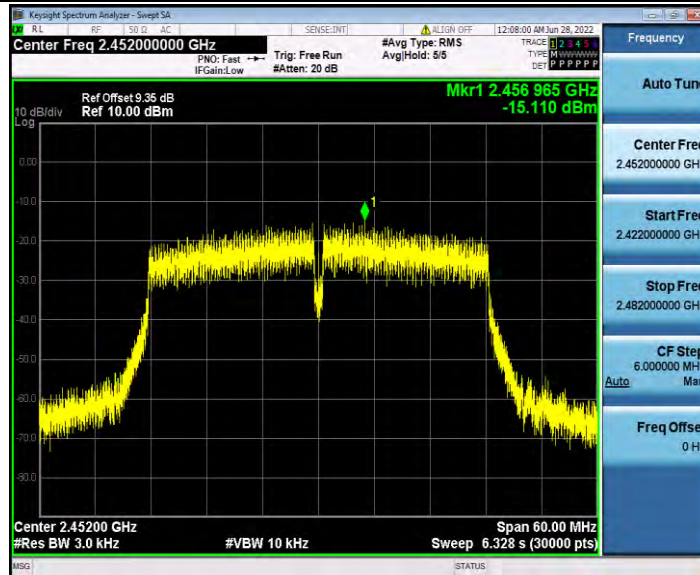
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



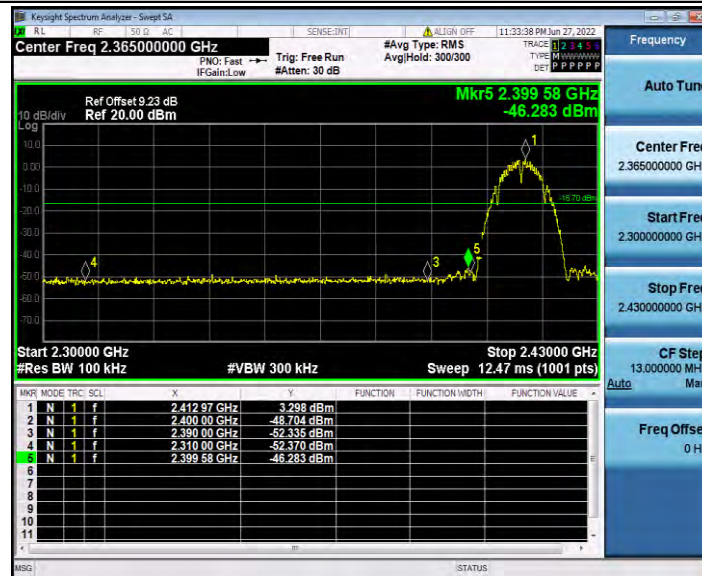
Appendix C.5: Band edge measurements

Test Result

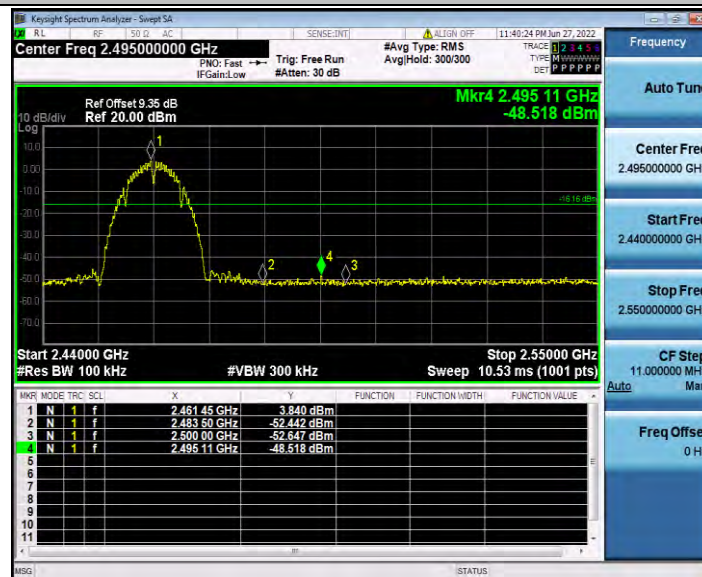
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.30	-46.28	≤ -16.7	PASS
		High	2462	3.84	-48.52	≤ -16.16	PASS
11G	Ant1	Low	2412	0.48	-37.04	≤ -19.52	PASS
		High	2462	1.52	-47.12	≤ -18.48	PASS
11N20SISO	Ant1	Low	2412	-0.69	-39.24	≤ -20.69	PASS
		High	2462	1.11	-48.46	≤ -18.89	PASS
11N40SISO	Ant1	Low	2422	-2.52	-41.38	≤ -22.52	PASS
		High	2452	-0.64	-43.00	≤ -20.64	PASS

Test Graphs

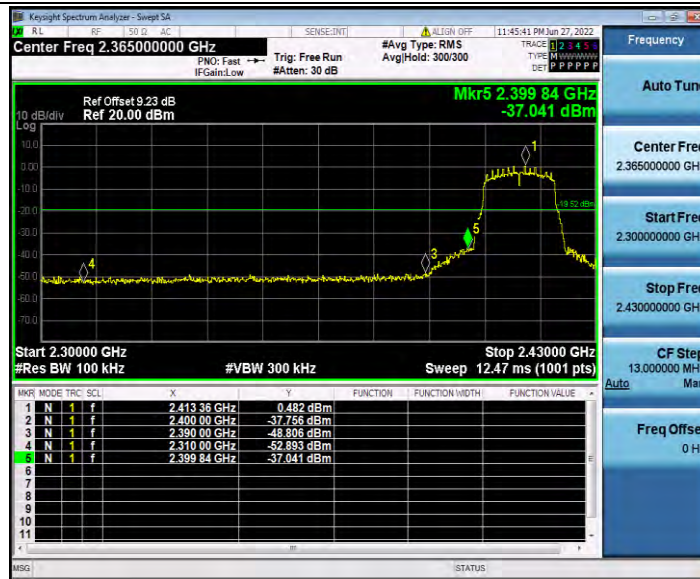
11B_Ant1_Low_2412



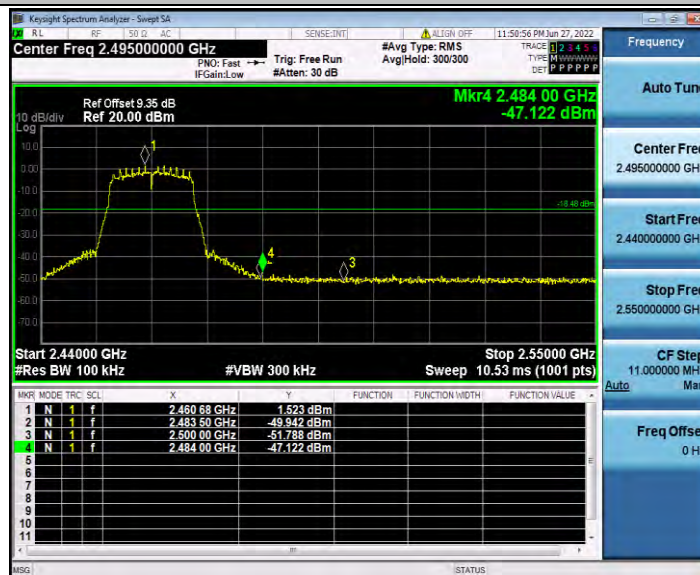
11B_Ant1_High_2462



11G_Ant1_Low_2412



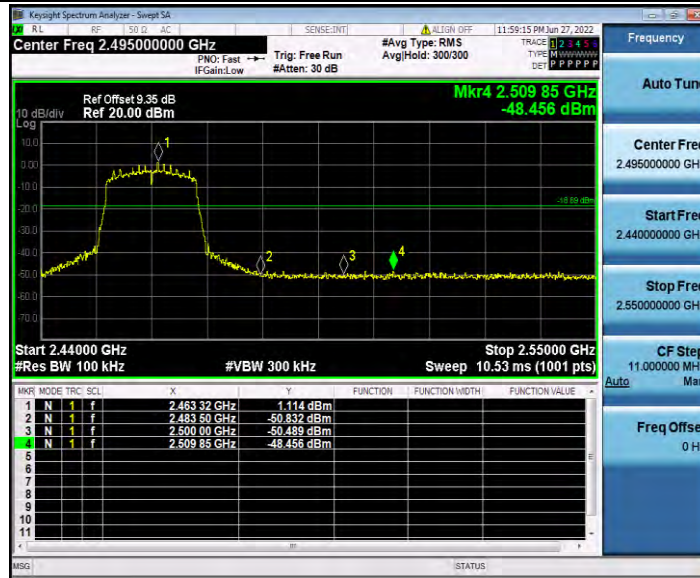
11G_Ant1_High_2462



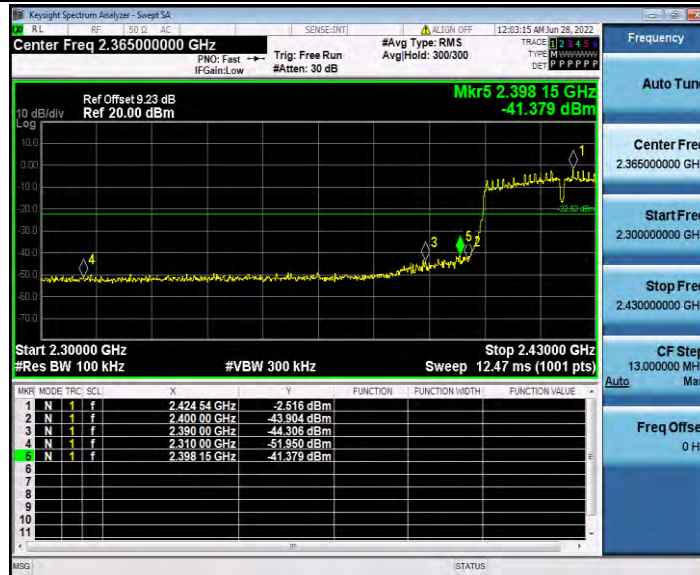
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.5: Conducted Spurious Emission

Test Result

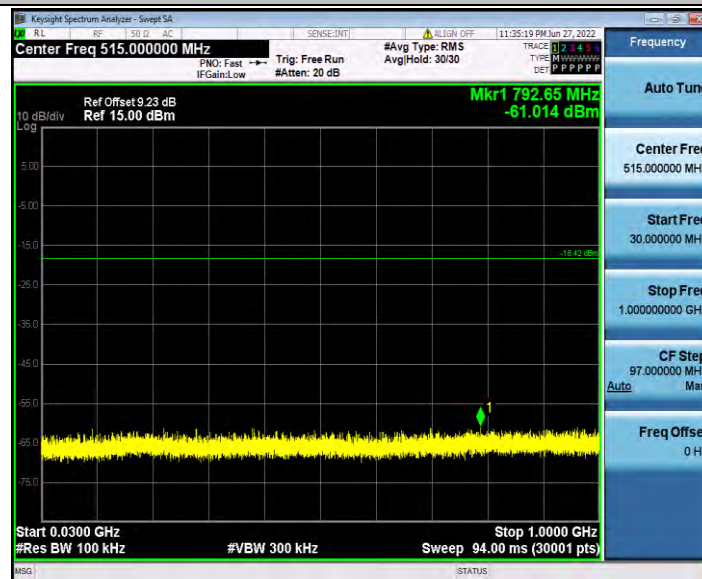
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.58	1.58	---	PASS
			30~1000	1.58	-61.01	≤ -18.42	PASS
			1000~26500	1.58	-47.04	≤ -18.42	PASS
		2437	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-60.32	≤ -16.36	PASS
			1000~26500	3.64	-47.39	≤ -16.36	PASS
		2462	Reference	6.42	6.42	---	PASS
			30~1000	6.42	-60.15	≤ -13.58	PASS
			1000~26500	6.42	-46.08	≤ -13.58	PASS
11G	Ant1	2412	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-60.22	≤ -20.76	PASS
			1000~26500	-0.76	-48.02	≤ -20.76	PASS
		2437	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-59.88	≤ -20.66	PASS
			1000~26500	-0.66	-47.28	≤ -20.66	PASS
		2462	Reference	0.52	0.52	---	PASS
			30~1000	0.52	-55.34	≤ -19.48	PASS
			1000~26500	0.52	-46.98	≤ -19.48	PASS
11N20SISO	Ant1	2412	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-60.77	≤ -18.65	PASS
			1000~26500	1.35	-47.44	≤ -18.65	PASS
		2437	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-60.15	≤ -17.63	PASS
			1000~26500	2.37	-47.8	≤ -17.63	PASS
		2462	Reference	5.32	5.32	---	PASS
			30~1000	5.32	-60.73	≤ -14.68	PASS
			1000~26500	5.32	-47.31	≤ -14.68	PASS
11N40SISO	Ant1	2422	Reference	0.90	0.90	---	PASS
			30~1000	0.90	-59.63	≤ -19.1	PASS
			1000~26500	0.90	-47.9	≤ -19.1	PASS
		2437	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-60.63	≤ -20.27	PASS
			1000~26500	-0.27	-47.89	≤ -20.27	PASS
		2452	Reference	-1.09	-1.09	---	PASS
			30~1000	-1.09	-52.21	≤ -21.09	PASS
			1000~26500	-1.09	-46.92	≤ -21.09	PASS

Test Graphs

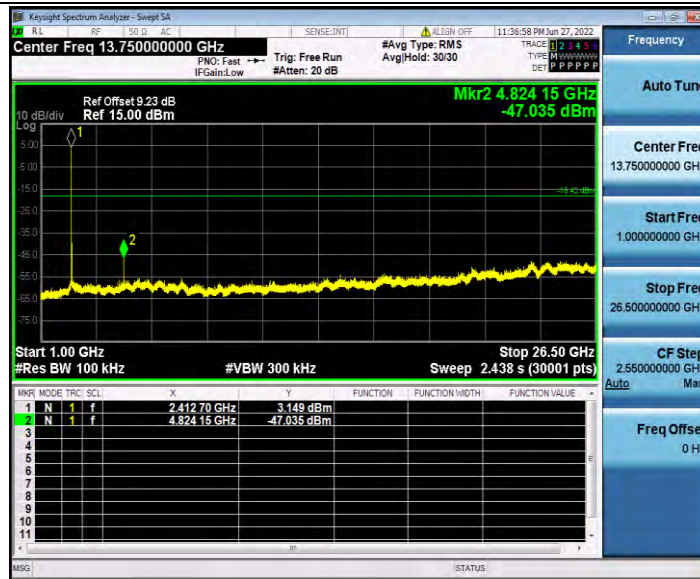
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



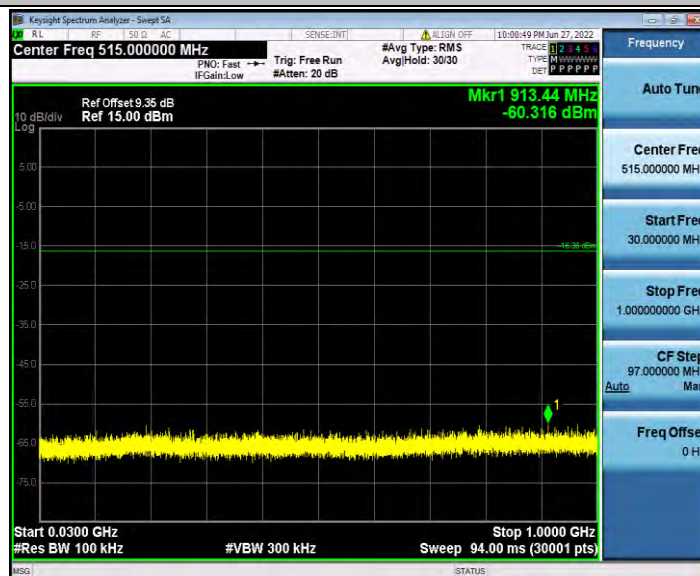
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



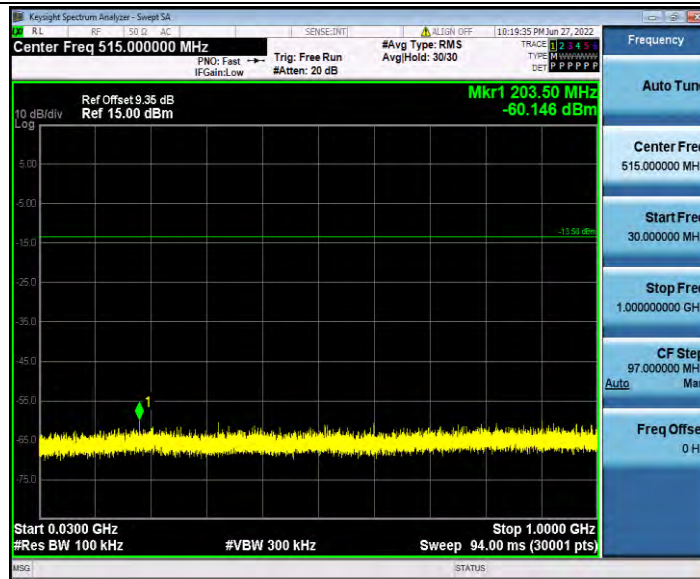
11B_Ant1_2437_1000~26500



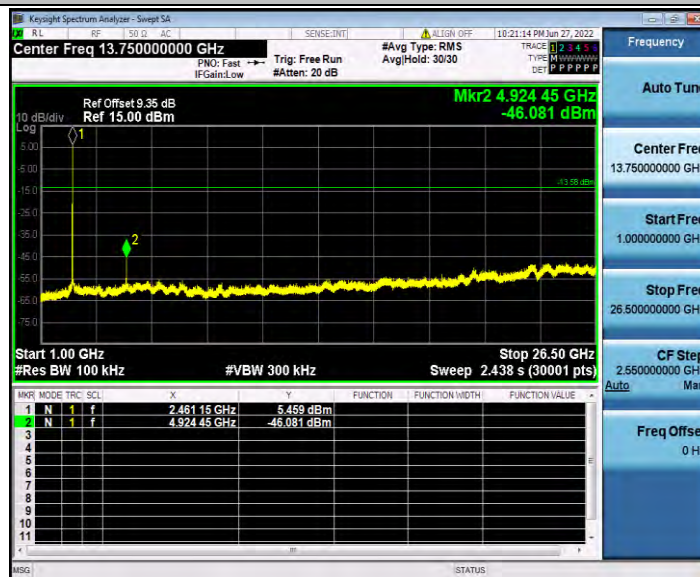
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



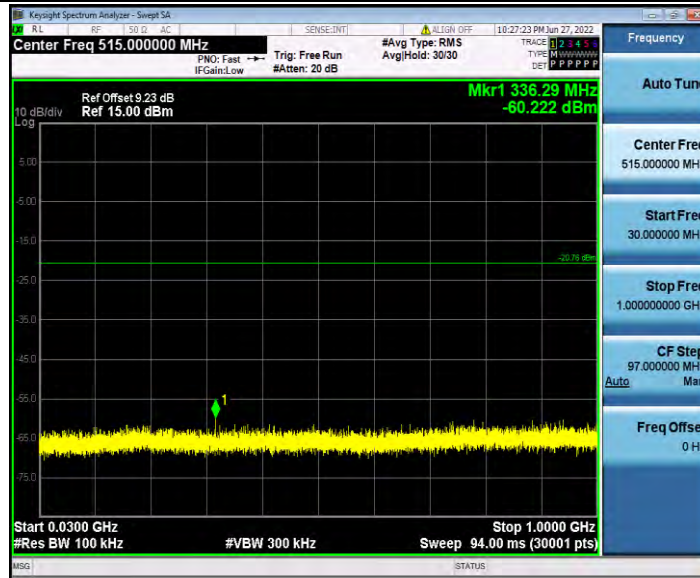
11B_Ant1_2462_1000~26500



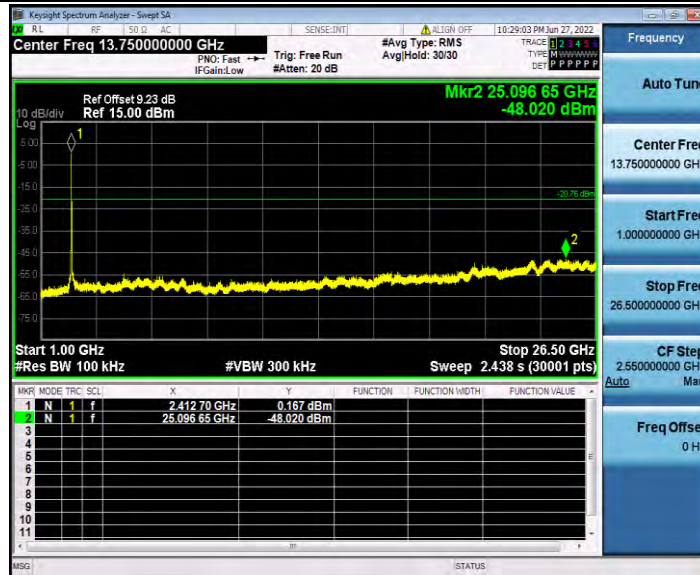
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



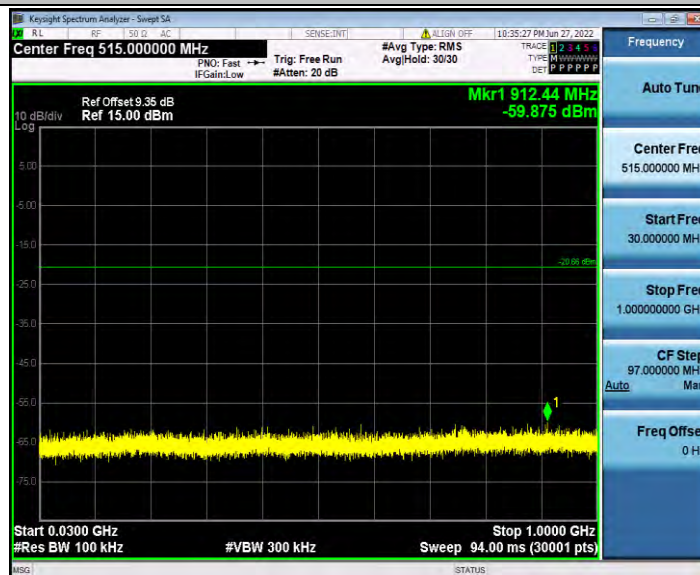
11G_Ant1_2412_1000~26500



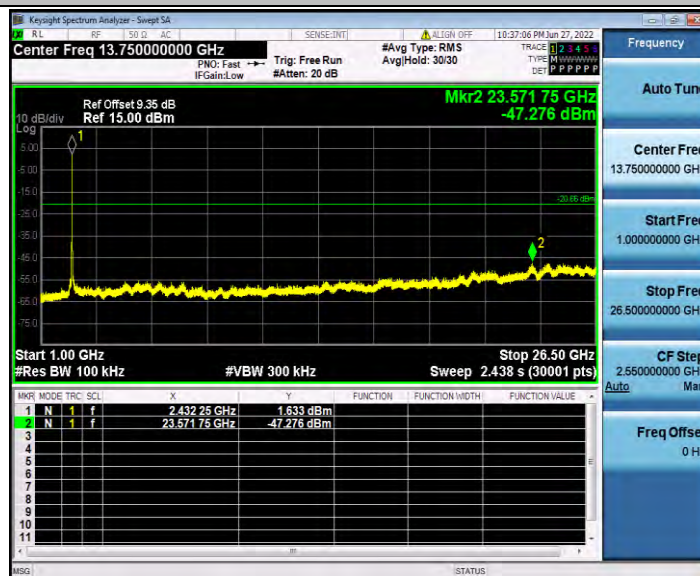
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



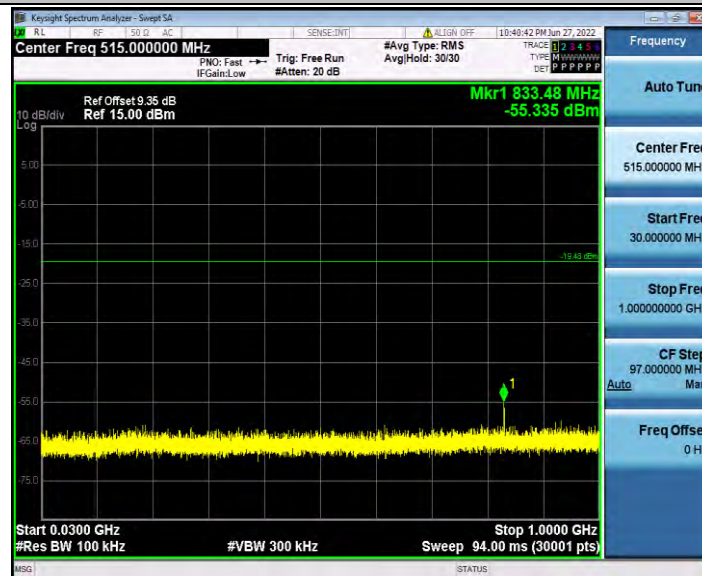
11G_Ant1_2437_1000~26500



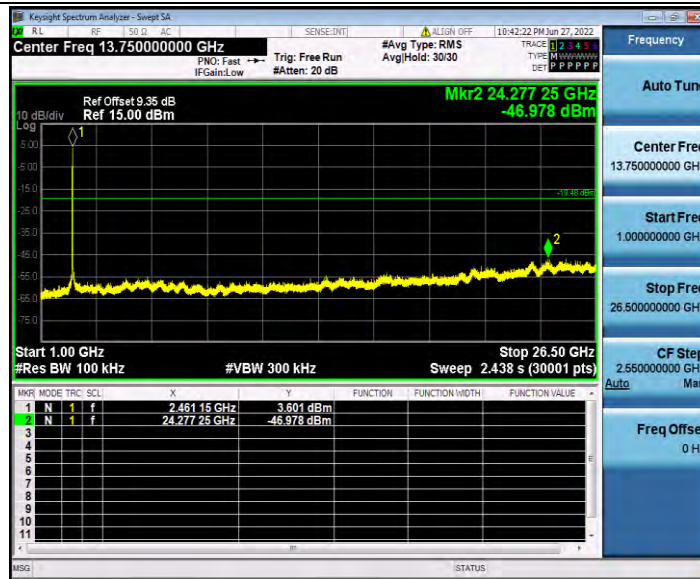
11G_Ant1_2462_0~Reference



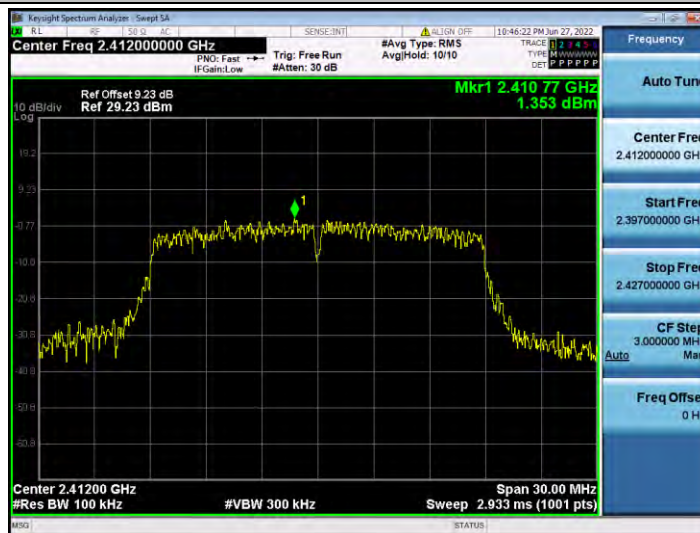
11G_Ant1_2462_30~1000



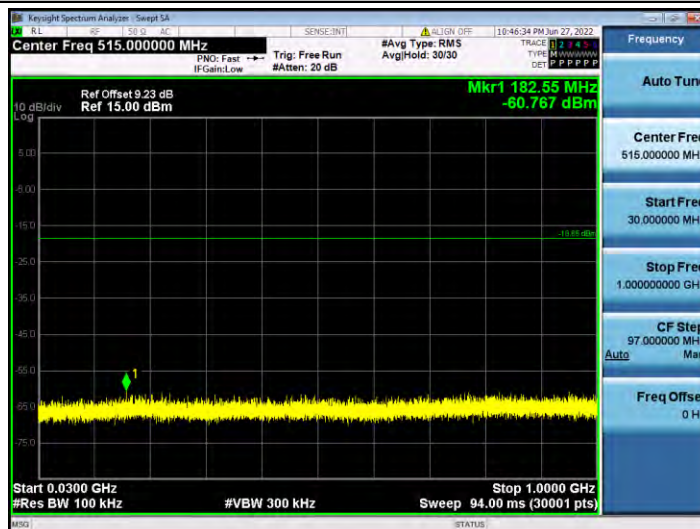
11G_Ant1_2462_1000~26500



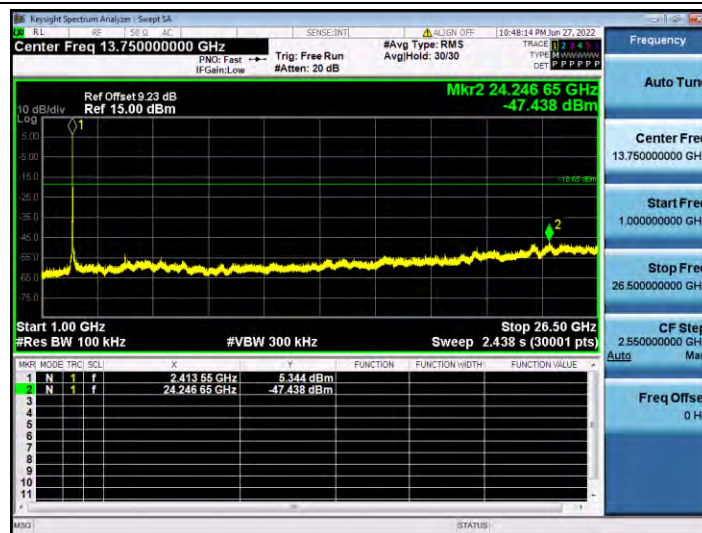
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



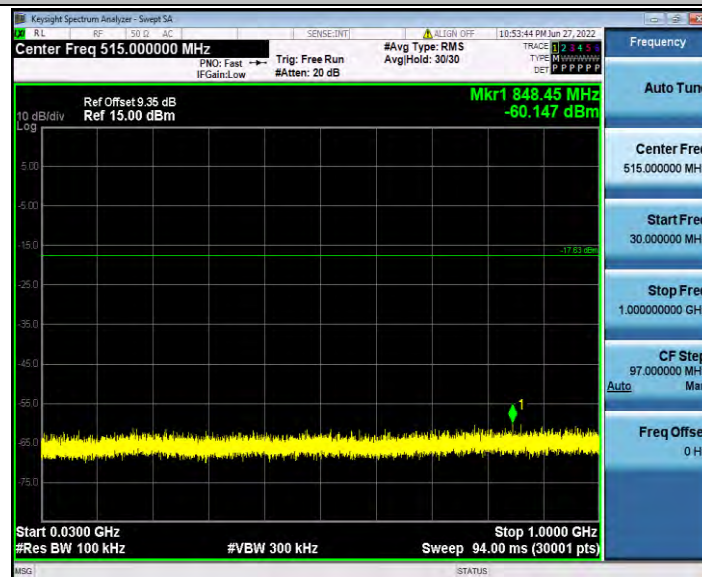
11N20SISO_Ant1_2412_1000~26500



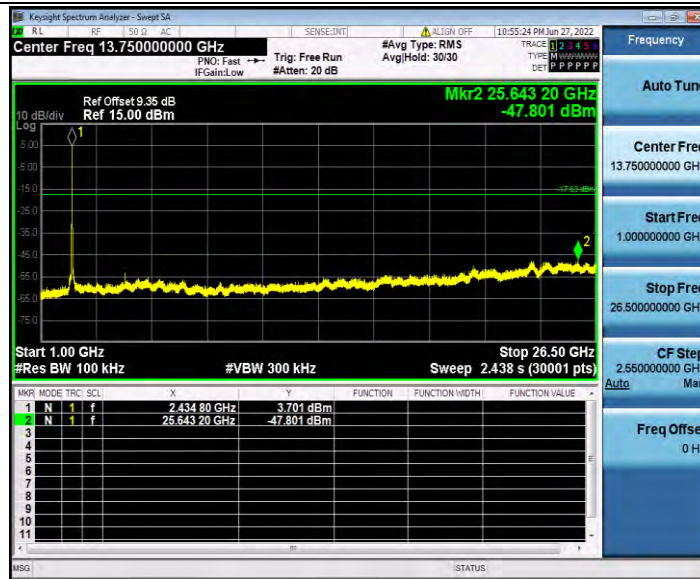
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



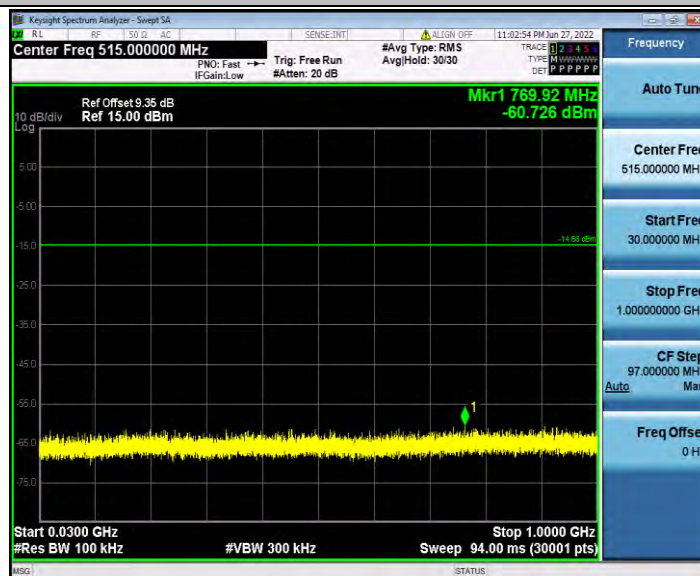
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



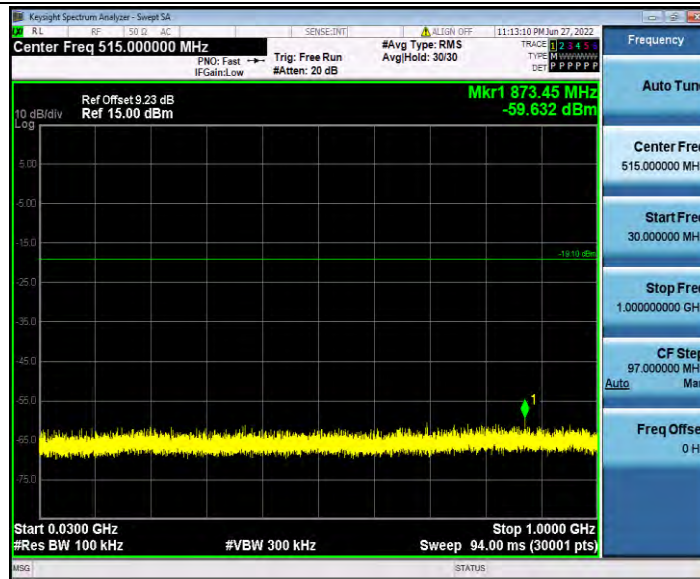
11N20SISO_Ant1_2462_1000~26500



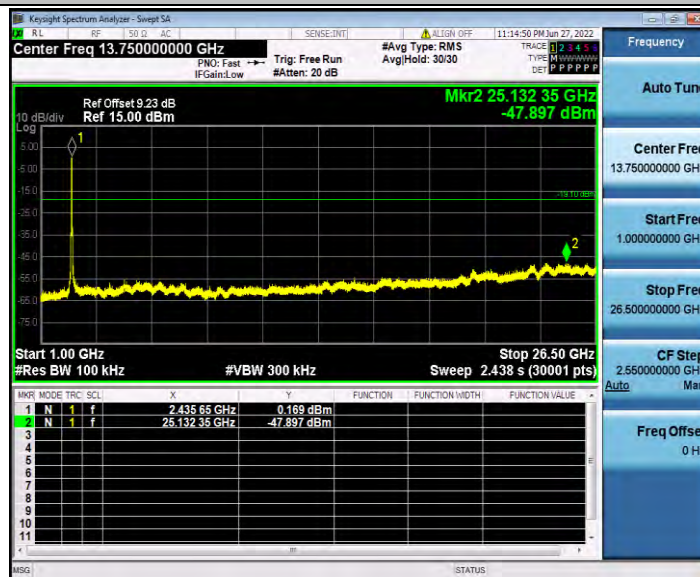
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



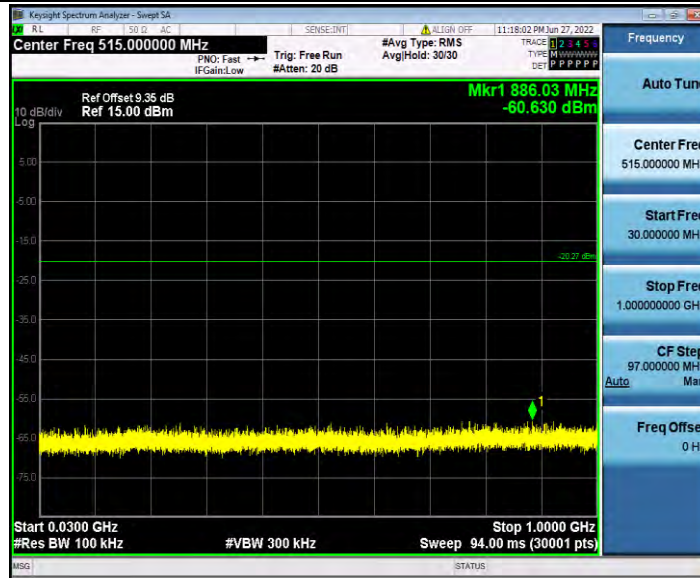
11N40SISO_Ant1_2422_1000~26500



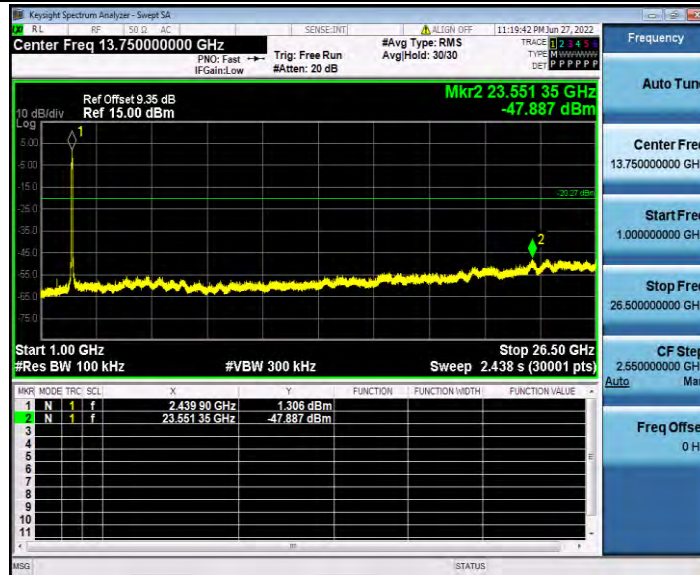
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



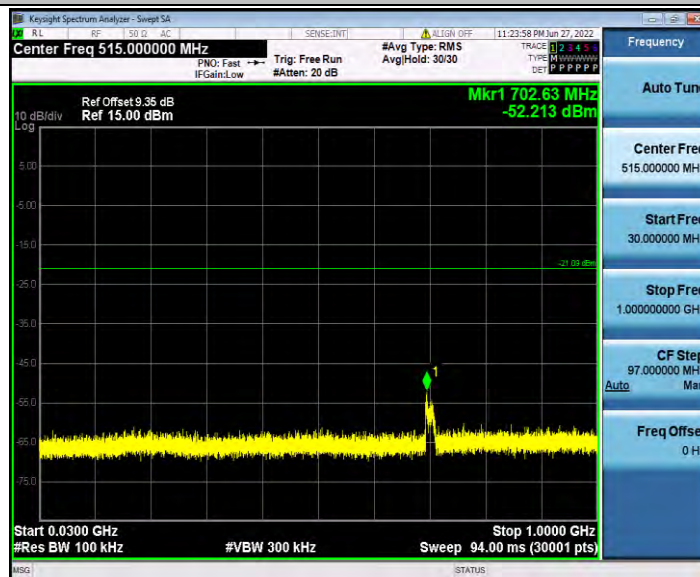
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

