

Case No. : GTS20220704019-1-3	
Ambient Condition: 25 °C, 50 %RH,	
Test Date: 2022.8.10	Test Engineer: Jenny zeng

Appendix D.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.040	2432.000	2442.040	0.5	PASS
		2462	10.040	2457.000	2467.040	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	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.000	2403.520	2420.520	0.5	PASS
		2437	17.520	2428.240	2445.760	0.5	PASS
		2462	17.240	2453.240	2470.480	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.240	2439.520	0.5	PASS
		2437	35.600	2419.240	2454.840	0.5	PASS
		2452	35.440	2434.480	2469.920	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



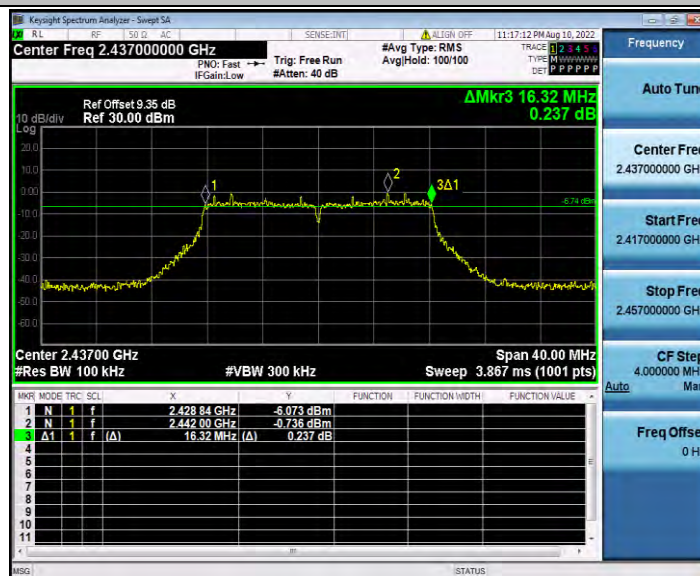
11B_Ant1_2462



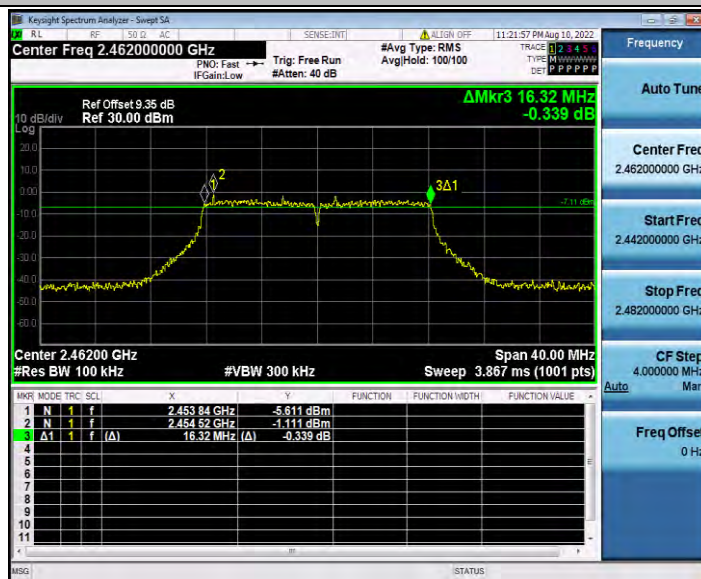
11G_Ant1_2412



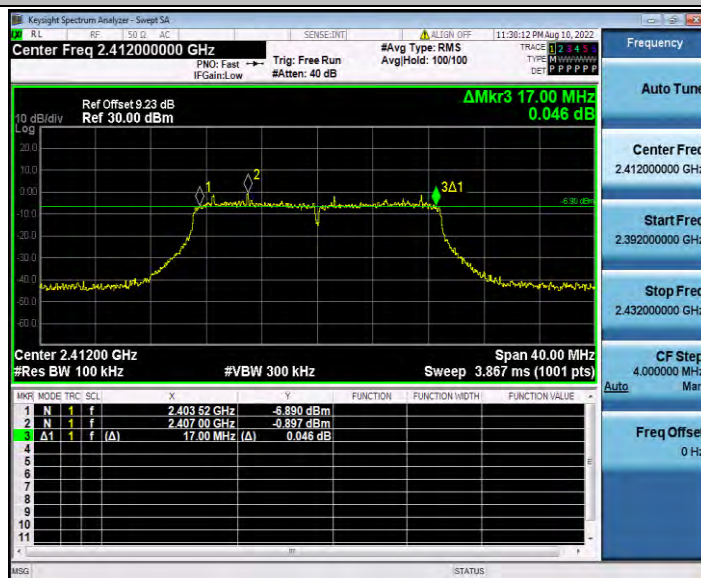
11G_Ant1_2437



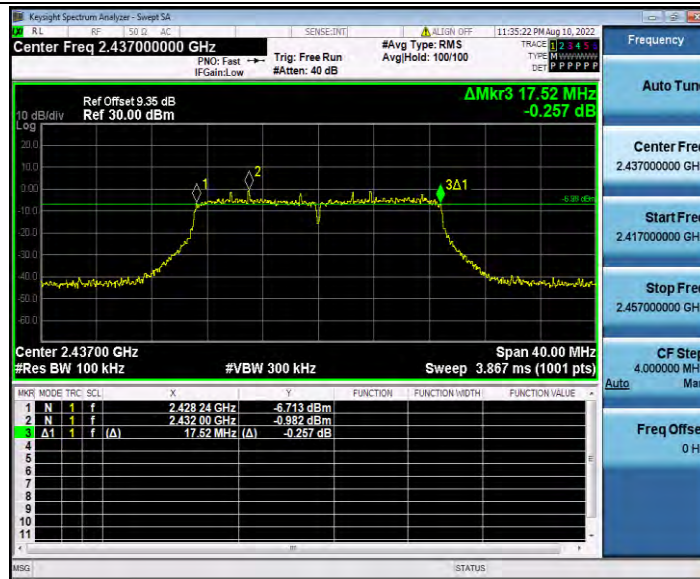
11G_Ant1_2462



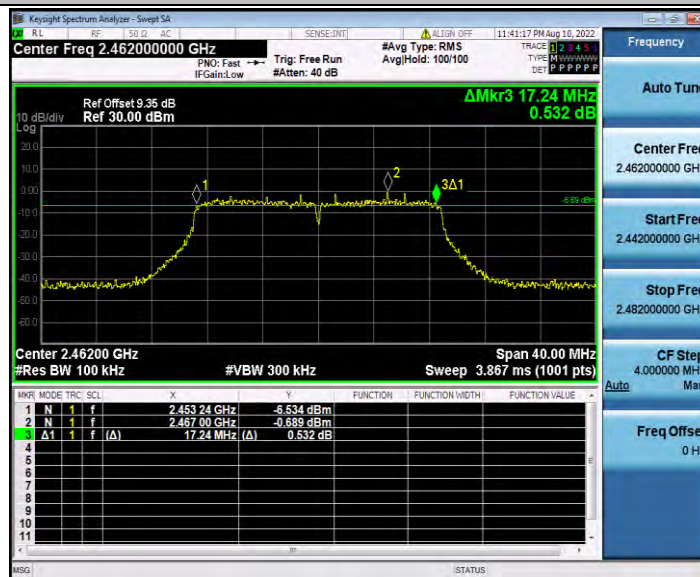
11N20SISO_Ant1_2412



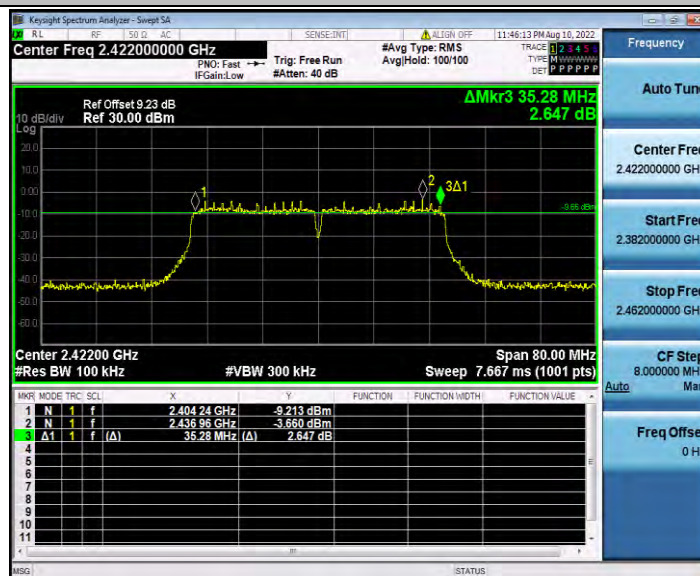
11N20SISO_Ant1_2437



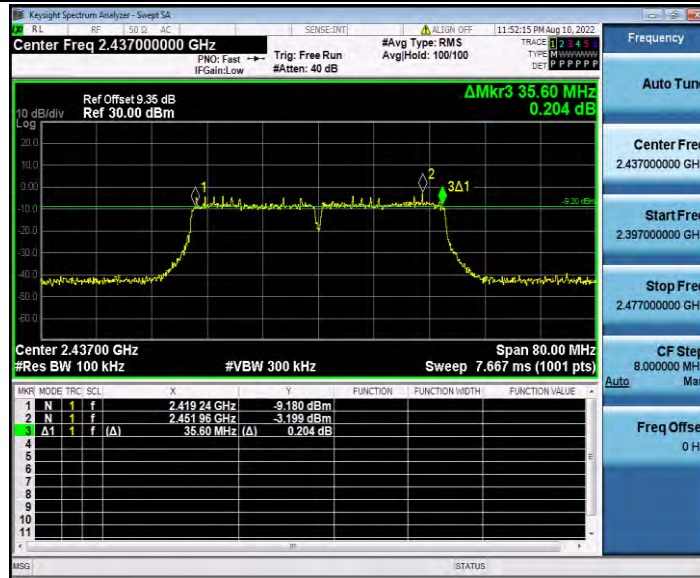
11N20SISO_Ant1_2462



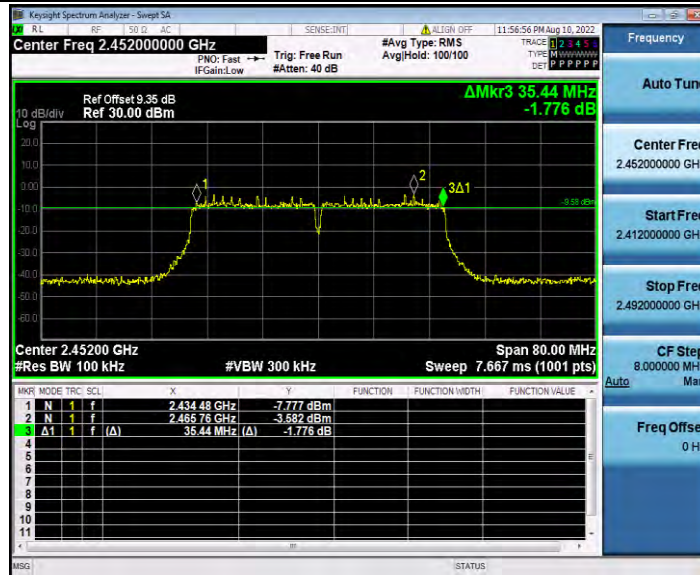
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



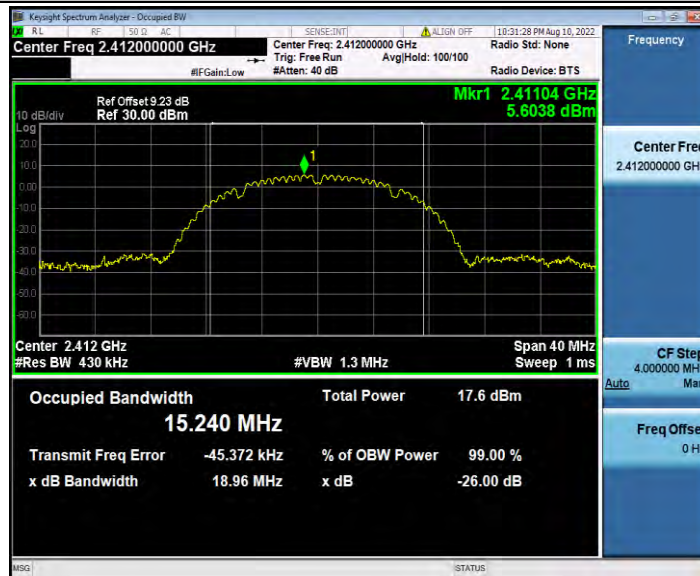
Appendix D.2: Occupied Channel Bandwidth

Test Result

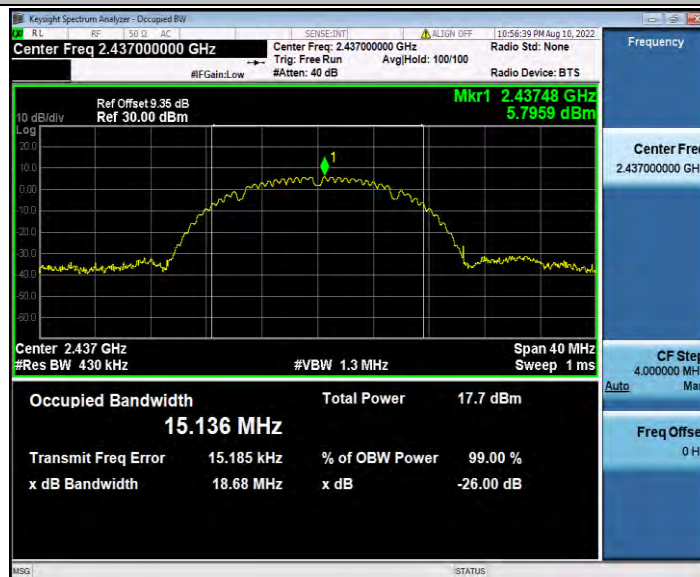
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.240	2404.335	2419.575	---	---
		2437	15.136	2429.447	2444.583	---	---
		2462	15.047	2454.459	2469.506	---	---
11G	Ant1	2412	17.000	2403.453	2420.453	---	---
		2437	16.986	2428.533	2445.519	---	---
		2462	17.023	2453.443	2470.466	---	---
11N20SISO	Ant1	2412	17.920	2403.036	2420.956	---	---
		2437	17.979	2428.012	2445.991	---	---
		2462	18.066	2452.968	2471.034	---	---
11N40SISO	Ant1	2422	36.425	2403.831	2440.256	---	---
		2437	36.493	2418.793	2455.286	---	---
		2452	36.383	2433.858	2470.241	---	---

Test Graphs

11B_Ant1_2412



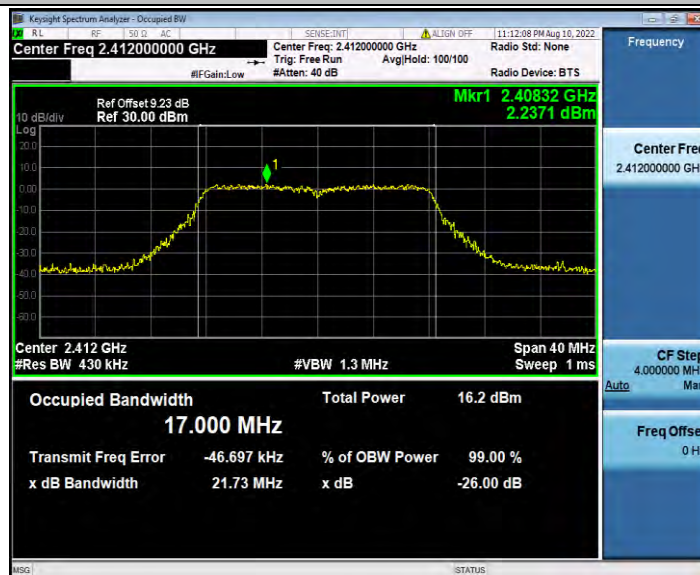
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



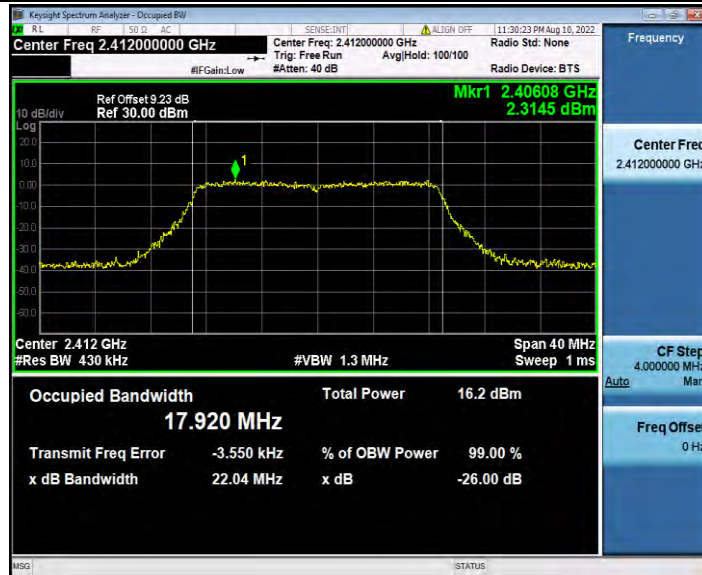
11G_Ant1_2437



11G_Ant1_2462



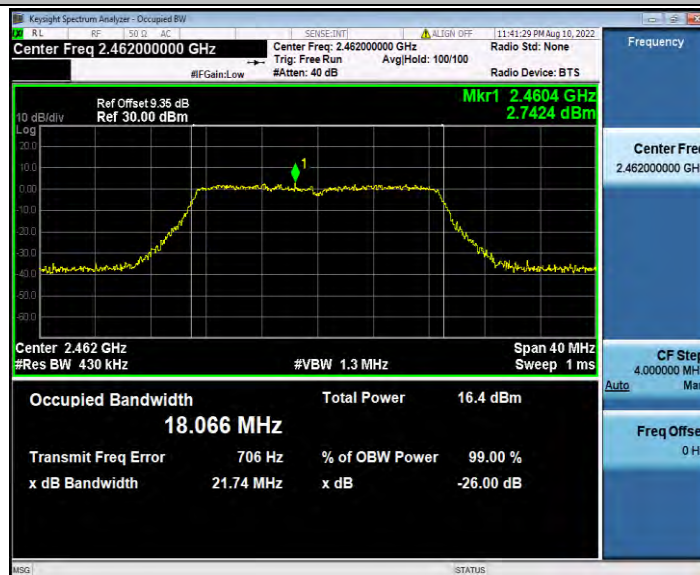
11N20SISO_Ant1_2412



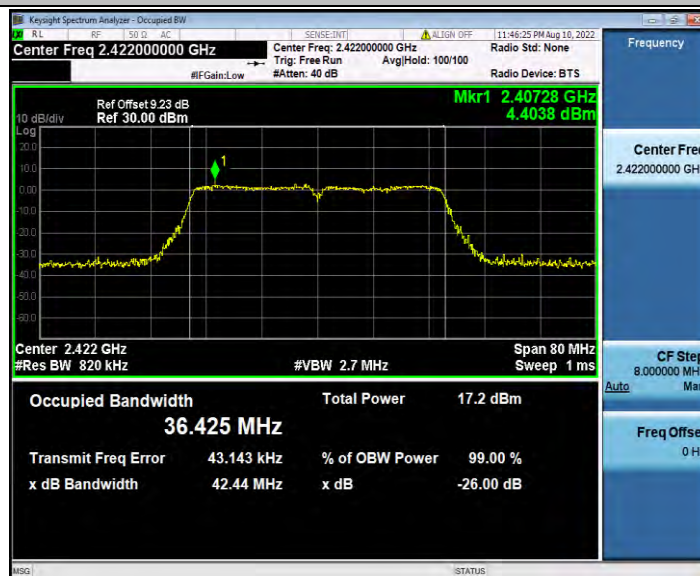
11N20SISO_Ant1_2437



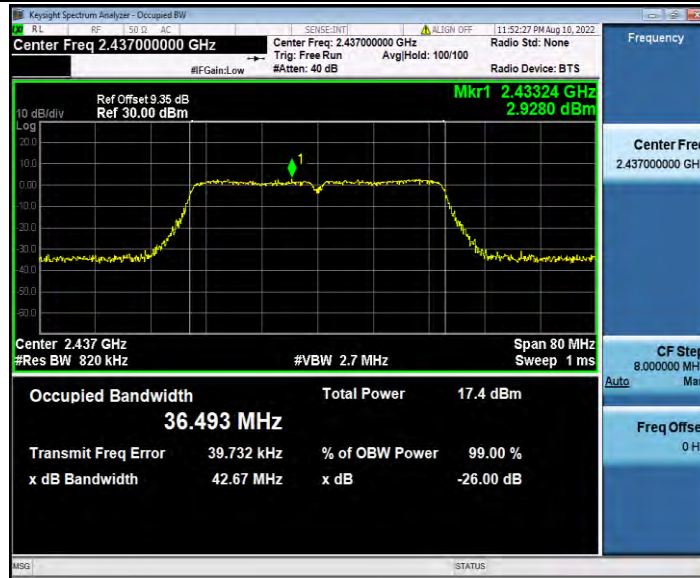
11N20SISO_Ant1_2462



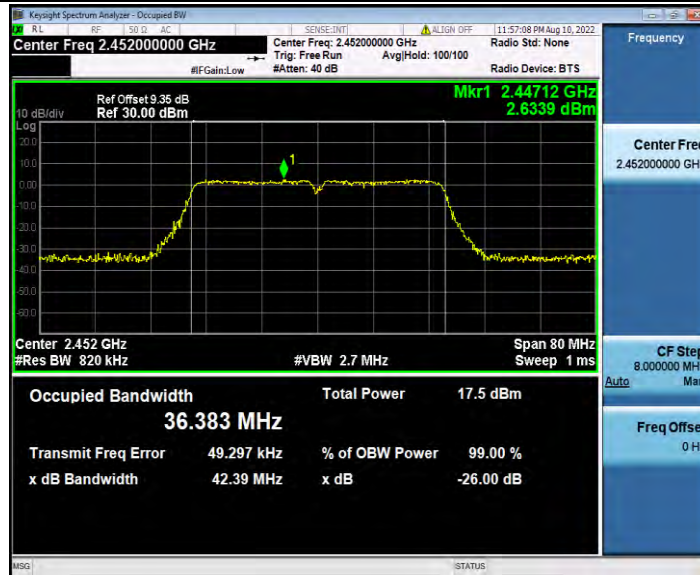
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix D.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.66	≤30.00	PASS
		2437	17.80	≤30.00	PASS
		2462	18.47	≤30.00	PASS
11G	Ant1	2412	17.50	≤30.00	PASS
		2437	17.29	≤30.00	PASS
		2462	17.63	≤30.00	PASS
11N20SISO	Ant1	2412	17.39	≤30.00	PASS
		2437	17.46	≤30.00	PASS
		2462	17.71	≤30.00	PASS
11N40SISO	Ant1	2422	17.67	≤30.00	PASS
		2437	17.71	≤30.00	PASS
		2452	17.82	≤30.00	PASS

Appendix D.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.33	≤8.00	PASS
		2437	-8.87	≤8.00	PASS
		2462	-7.43	≤8.00	PASS
11G	Ant1	2412	-14.67	≤8.00	PASS
		2437	-15.1	≤8.00	PASS
		2462	-15.01	≤8.00	PASS
11N20SISO	Ant1	2412	-14.75	≤8.00	PASS
		2437	-14.76	≤8.00	PASS
		2462	-15.46	≤8.00	PASS
11N40SISO	Ant1	2422	-17.23	≤8.00	PASS
		2437	-18.08	≤8.00	PASS
		2452	-16.09	≤8.00	PASS

Test Graphs

11B_Ant1_2412



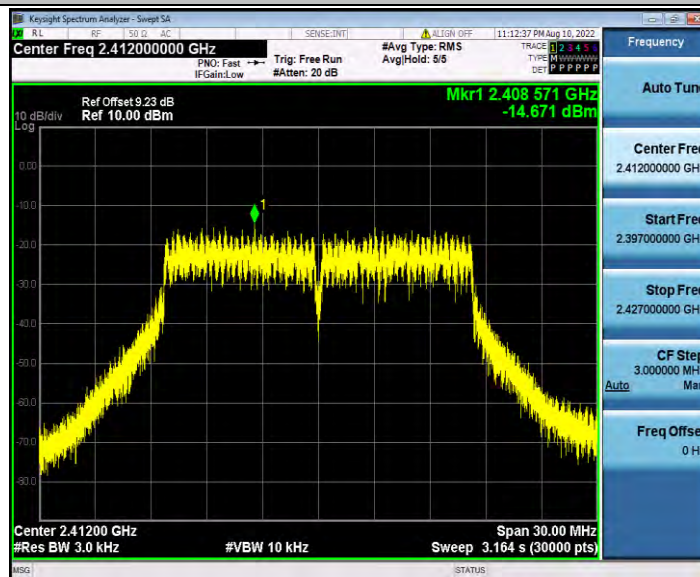
11B_Ant1_2437



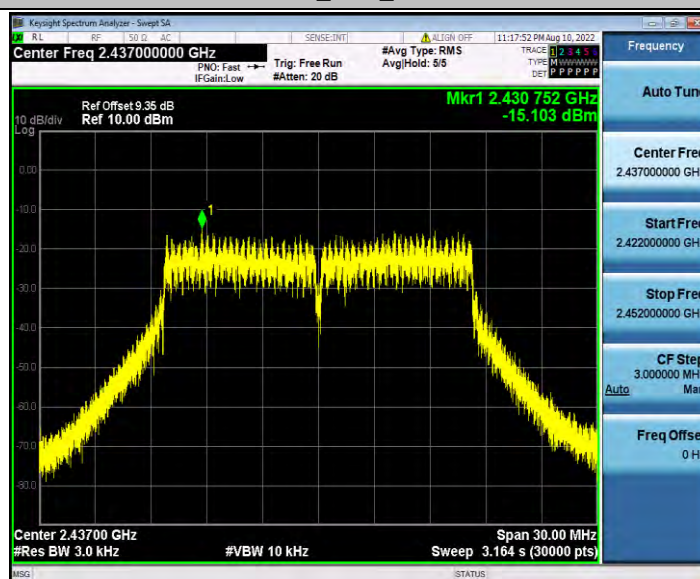
11B_Ant1_2462



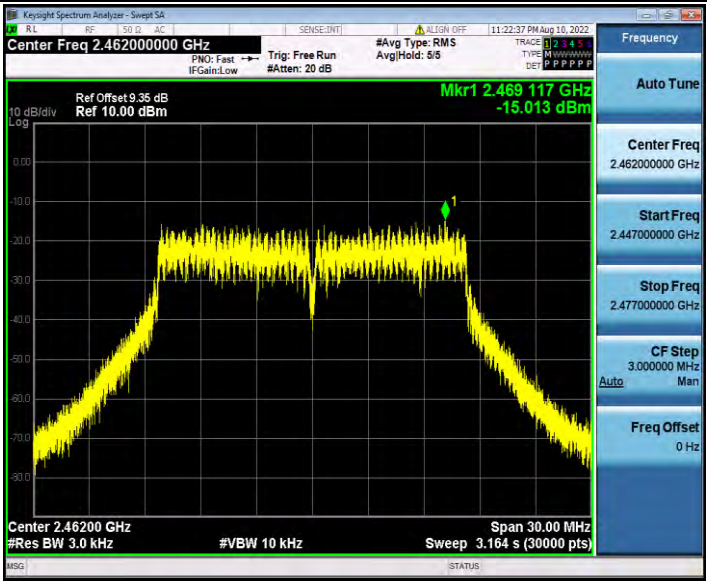
11G_Ant1_2412



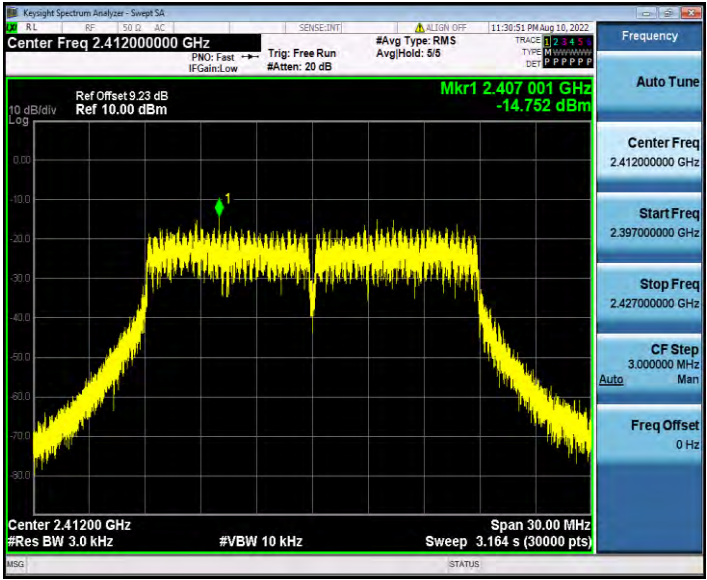
11G_Ant1_2437



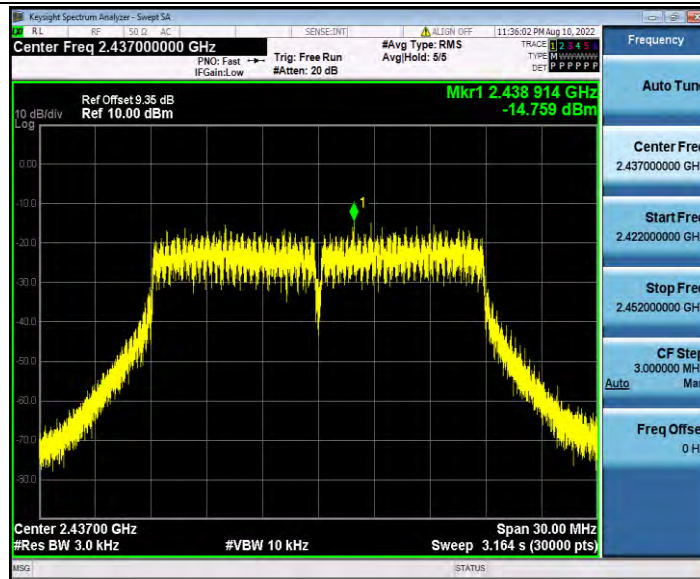
11G_Ant1_2462



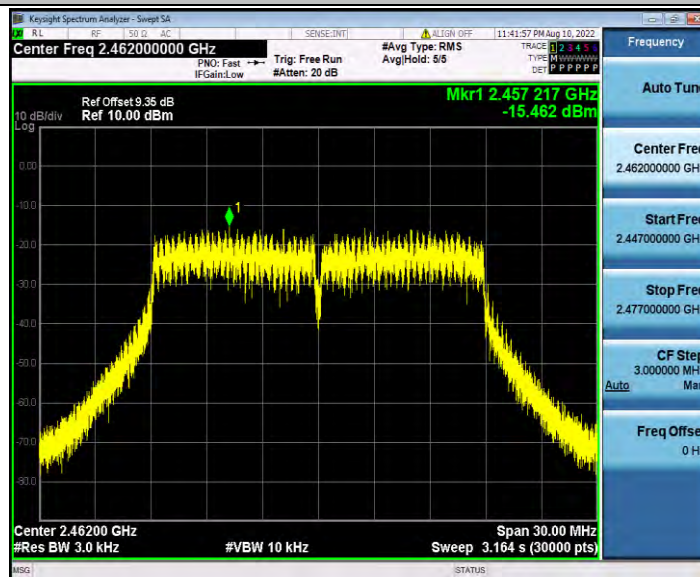
11N20SISO_Ant1_2412



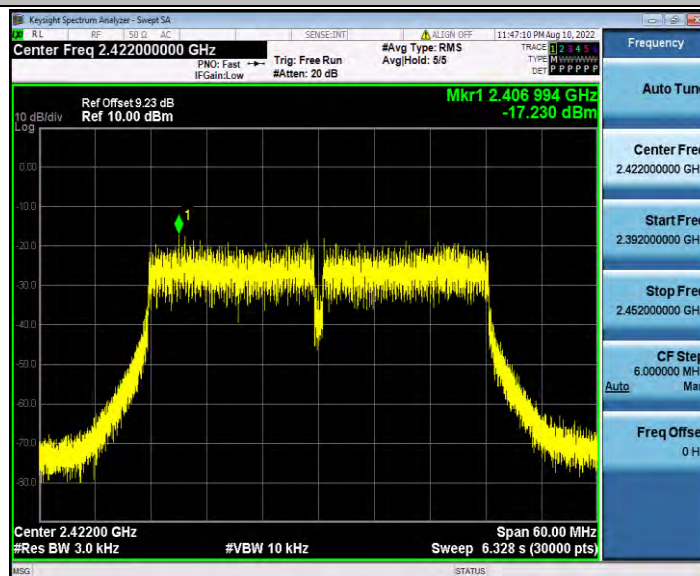
11N20SISO_Ant1_2437



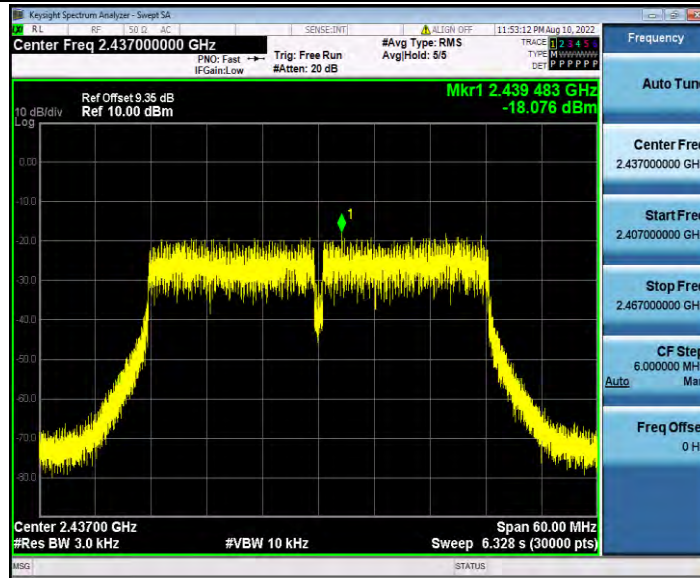
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



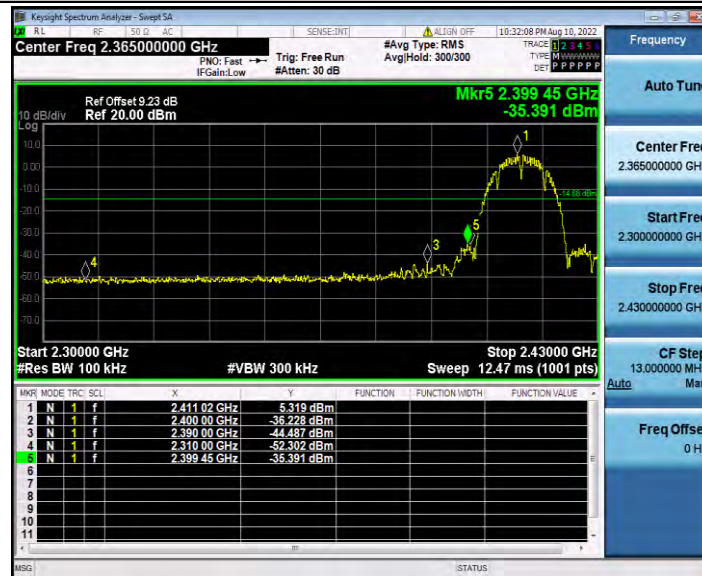
Appendix D.5: Band edge measurements

Test Result

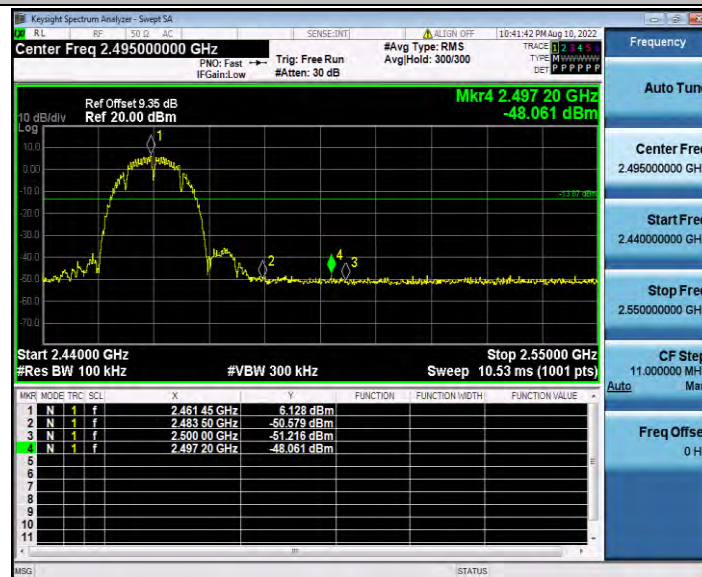
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.32	-35.39	≤-14.68	PASS
		High	2462	6.13	-48.06	≤-13.87	PASS
11G	Ant1	Low	2412	-0.69	-39.23	≤-20.69	PASS
		High	2462	-1.06	-48.97	≤-21.06	PASS
11N20SISO	Ant1	Low	2412	-0.67	-38.96	≤-20.67	PASS
		High	2462	-0.33	-48.69	≤-20.33	PASS
11N40SISO	Ant1	Low	2422	-3.82	-39.65	≤-23.82	PASS
		High	2452	-3.25	-48.81	≤-23.25	PASS

Test Graphs

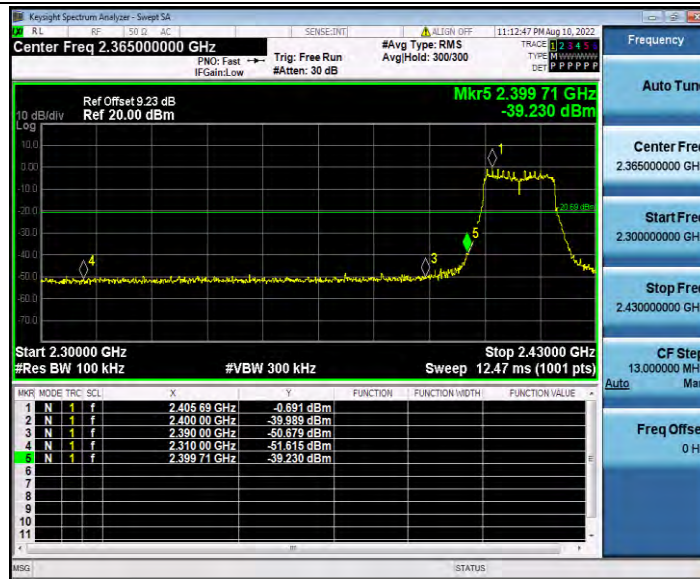
11B_Ant1_Low_2412



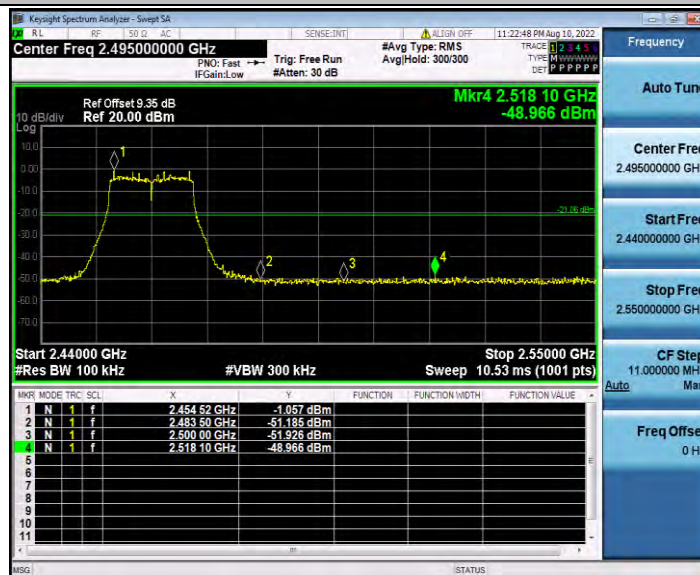
11B_Ant1_High_2462



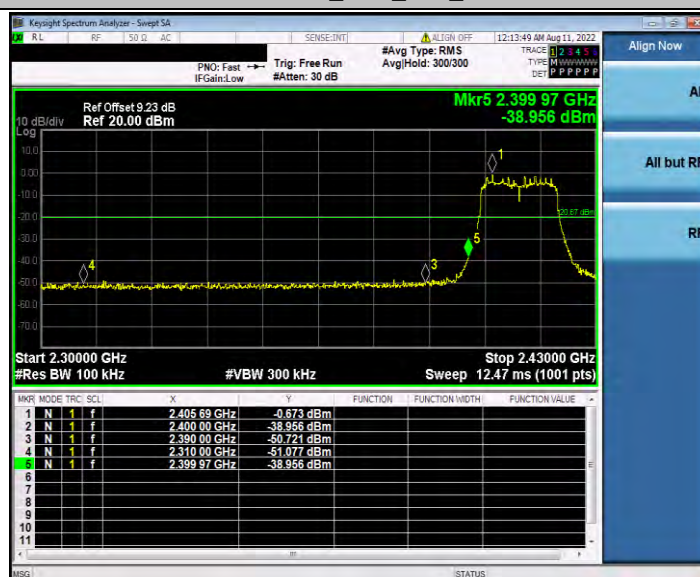
11G_Ant1_Low_2412



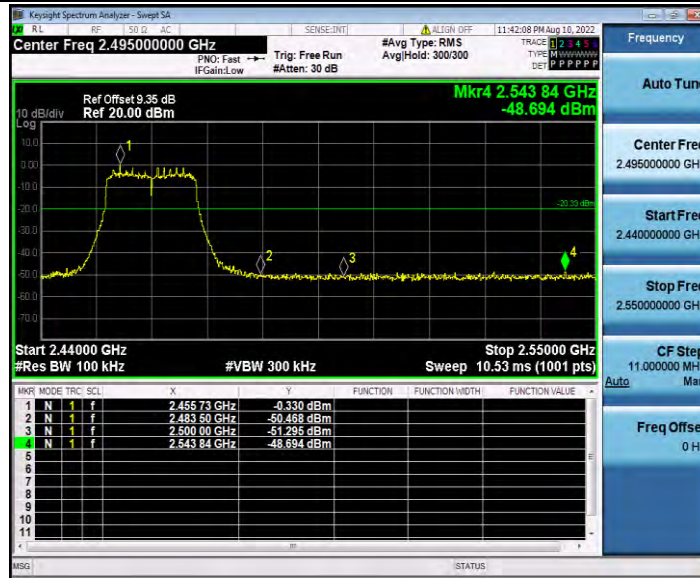
11G_Ant1_High_2462



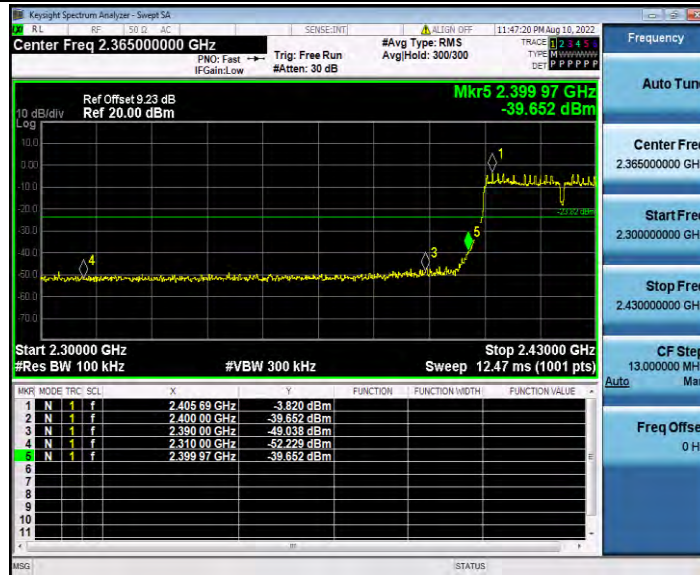
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix D.6: Conducted Spurious Emission

Test Result

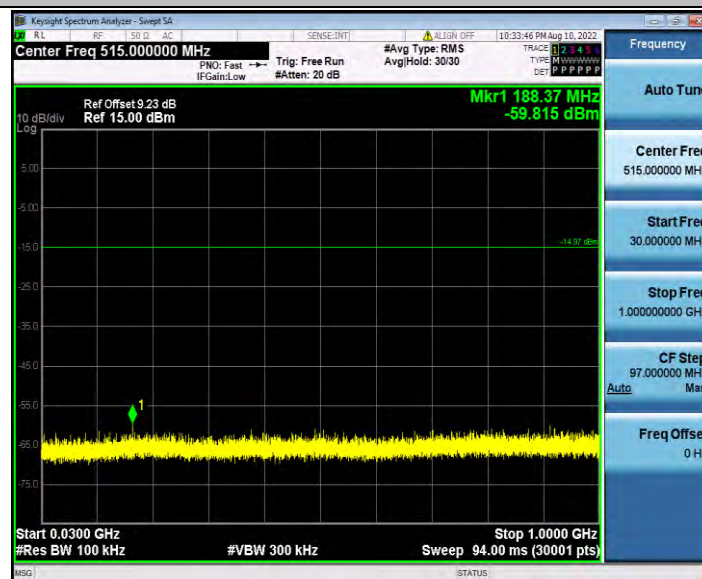
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.03	5.03	---	PASS
			30~1000	5.03	-59.82	≤ -14.97	PASS
			1000~26500	5.03	-47.38	≤ -14.97	PASS
		2437	Reference	5.33	5.33	---	PASS
			30~1000	5.33	-59.89	≤ -14.67	PASS
			1000~26500	5.33	-47.62	≤ -14.67	PASS
		2462	Reference	5.29	5.29	---	PASS
			30~1000	5.29	-60.46	≤ -14.71	PASS
			1000~26500	5.29	-47.73	≤ -14.71	PASS
11G	Ant1	2412	Reference	-3.95	-3.95	---	PASS
			30~1000	-3.95	-60.04	≤ -23.95	PASS
			1000~26500	-3.95	-47.21	≤ -23.95	PASS
		2437	Reference	-4.66	-4.66	---	PASS
			30~1000	-4.66	-59.45	≤ -24.66	PASS
			1000~26500	-4.66	-47.5	≤ -24.66	PASS
		2462	Reference	-1.68	-1.68	---	PASS
			30~1000	-1.68	-59.67	≤ -21.68	PASS
			1000~26500	-1.68	-47.06	≤ -21.68	PASS
11N20SISO	Ant1	2412	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-59.82	≤ -22.18	PASS
			1000~26500	-2.18	-47.74	≤ -22.18	PASS
		2437	Reference	-2.09	-2.09	---	PASS
			30~1000	-2.09	-60.37	≤ -22.09	PASS
			1000~26500	-2.09	-47.59	≤ -22.09	PASS
		2462	Reference	-4.22	-4.22	---	PASS
			30~1000	-4.22	-60.54	≤ -24.22	PASS
			1000~26500	-4.22	-46.92	≤ -24.22	PASS
11N40SISO	Ant1	2422	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-60.27	≤ -24.3	PASS
			1000~26500	-4.30	-47.46	≤ -24.3	PASS
		2437	Reference	-4.22	-4.22	---	PASS
			30~1000	-4.22	-60.91	≤ -24.22	PASS
			1000~26500	-4.22	-47.7	≤ -24.22	PASS
		2452	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-60.43	≤ -24.34	PASS
			1000~26500	-4.34	-47.74	≤ -24.34	PASS

Test Graphs

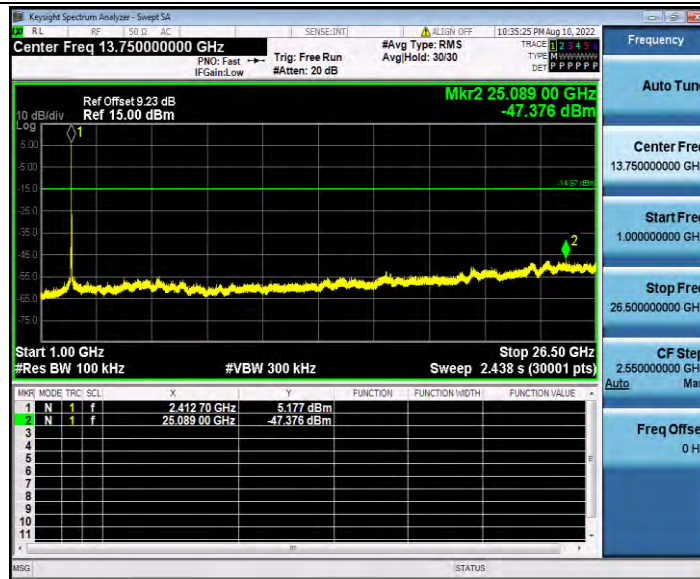
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



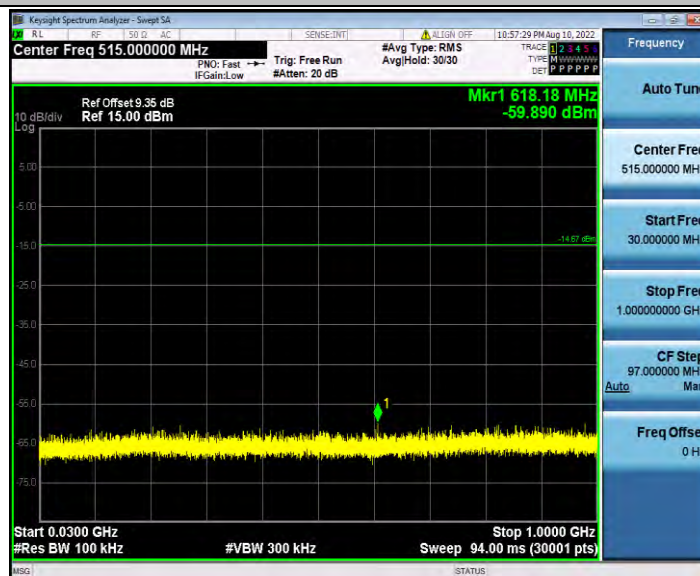
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



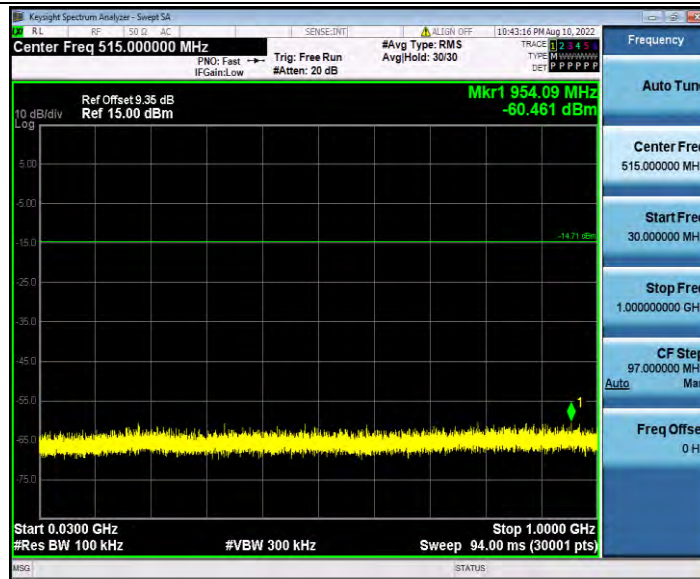
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



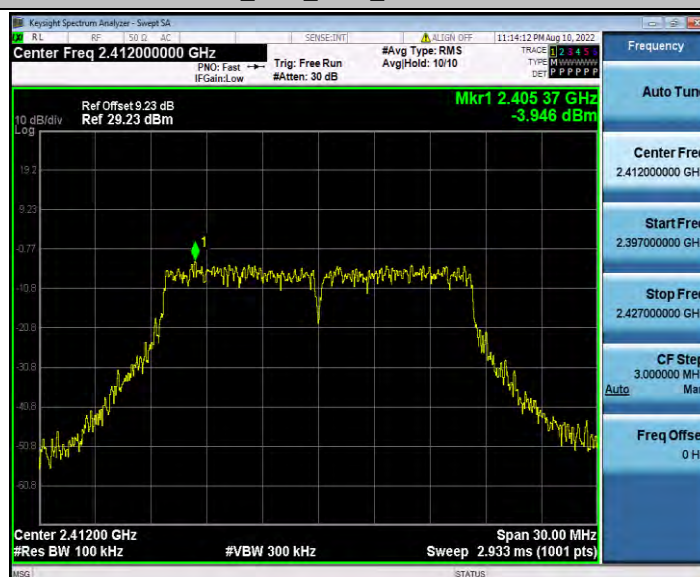
11B_Ant1_2462_30~1000



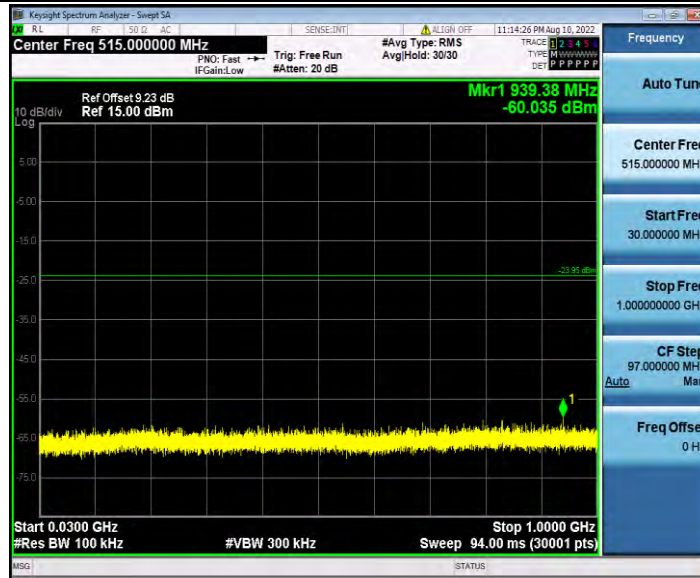
11B_Ant1_2462_1000~26500



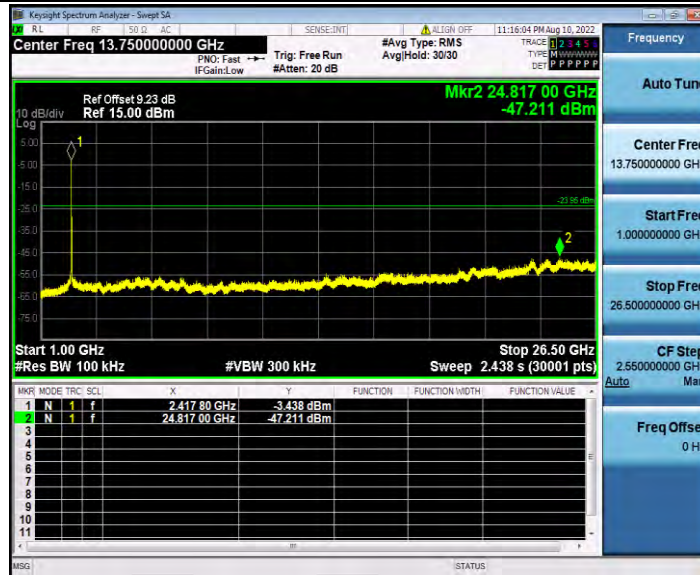
11G_Ant1_2412_0~Reference



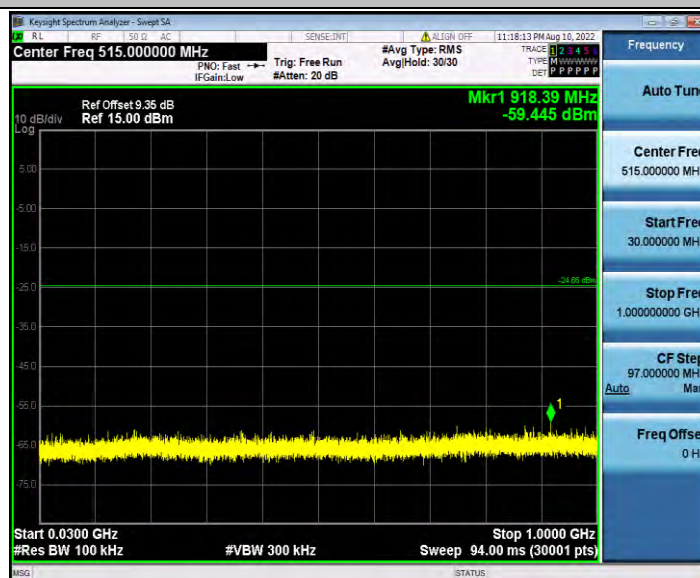
11G_Ant1_2412_30~1000



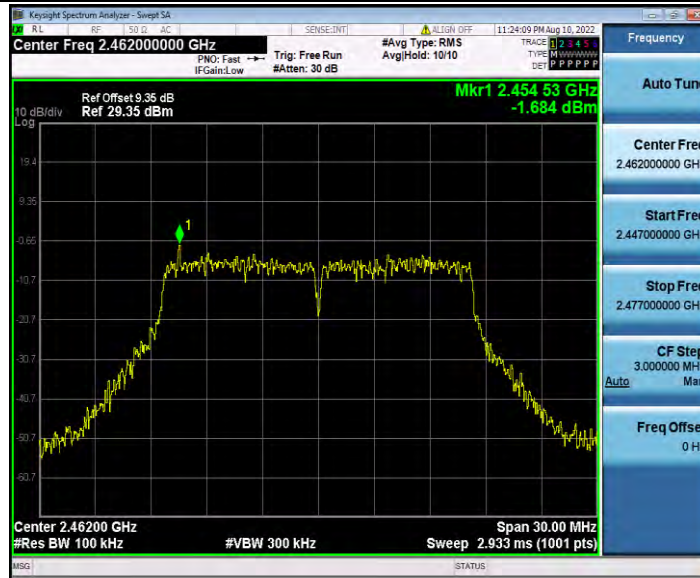
11G_Ant1_2412_1000~26500



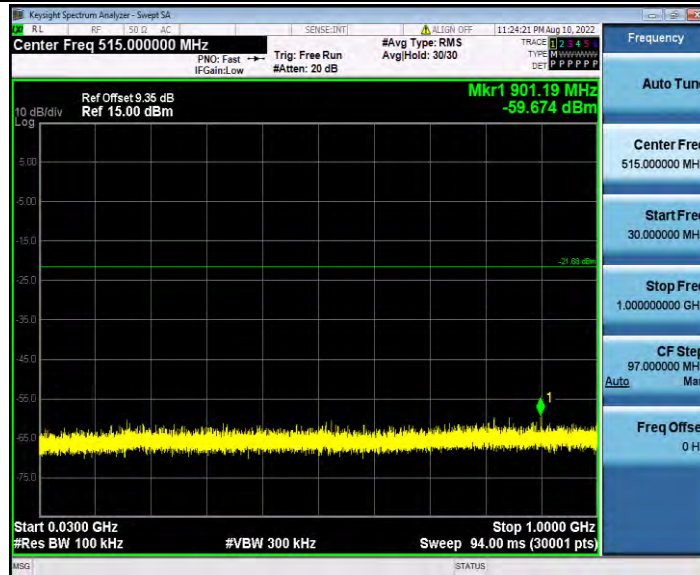
11G_Ant1_2437_0~Reference



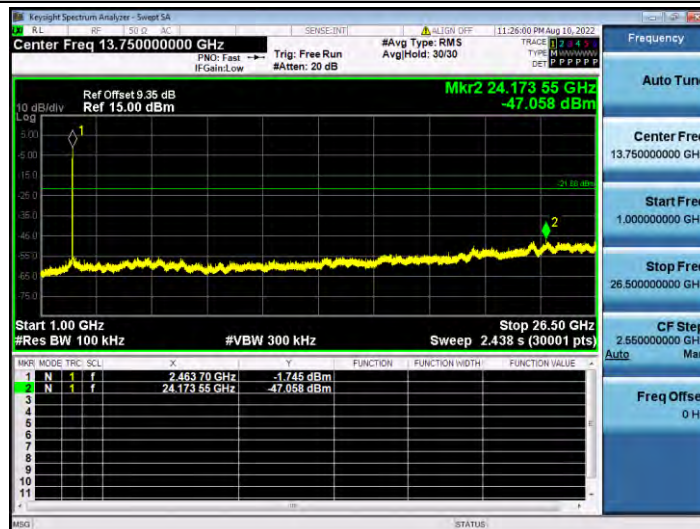
11G_Ant1_2462_0~Reference



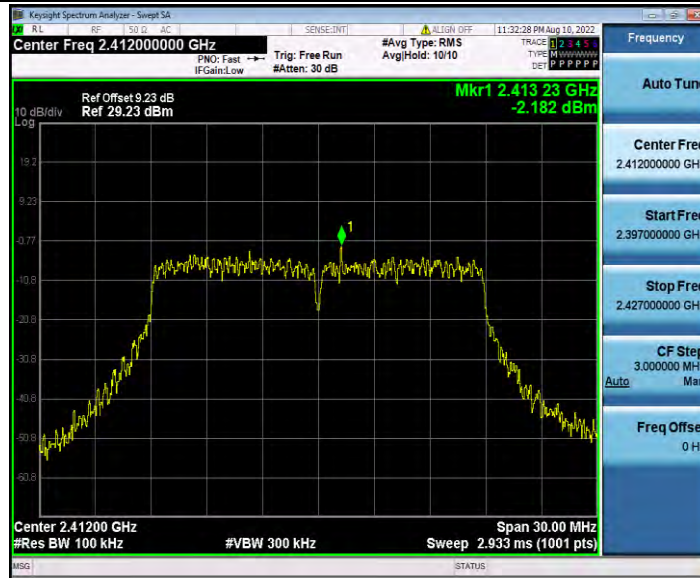
11G_Ant1_2462_30~1000



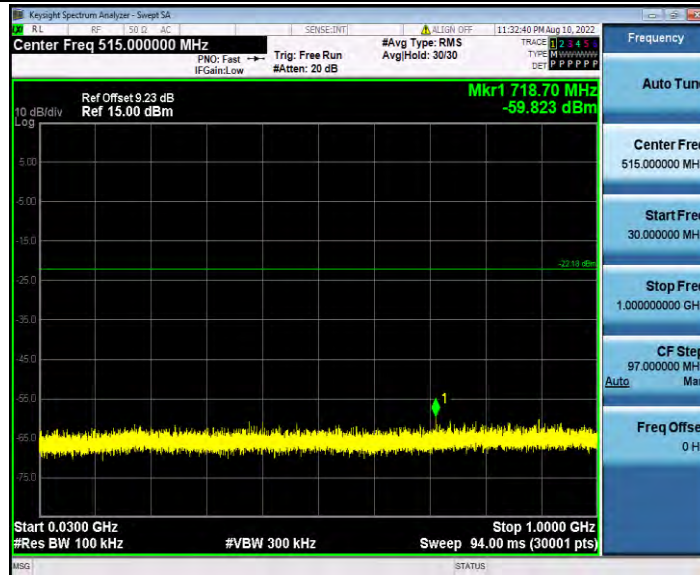
11G_Ant1_2462_1000~26500



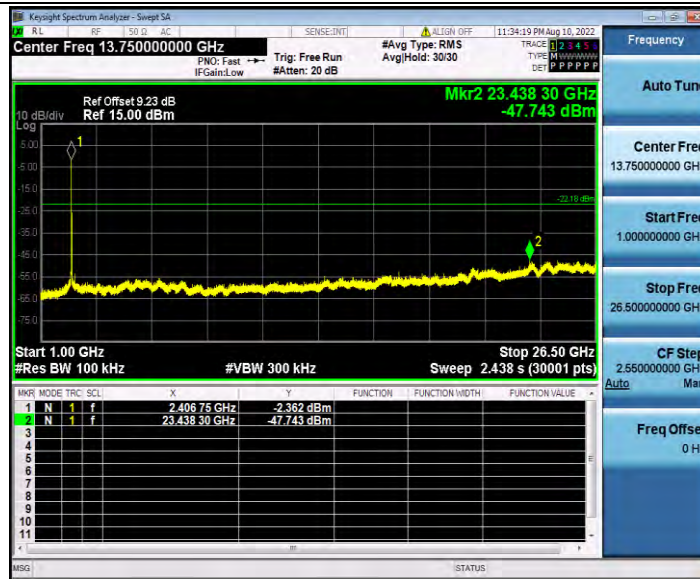
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



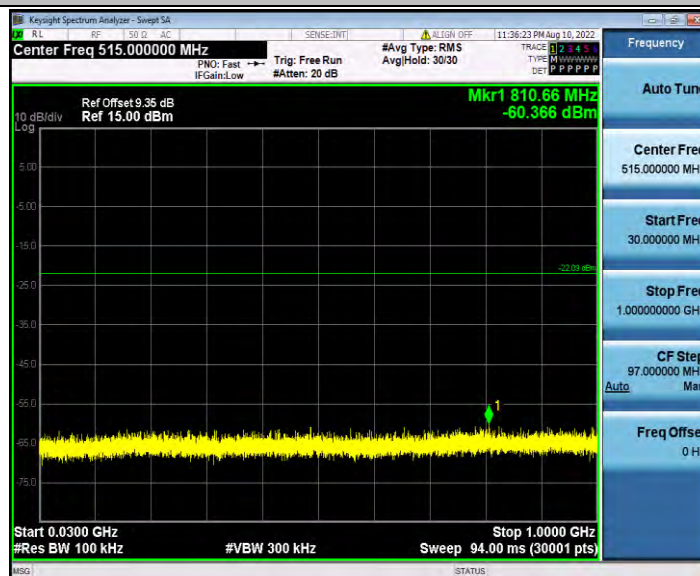
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



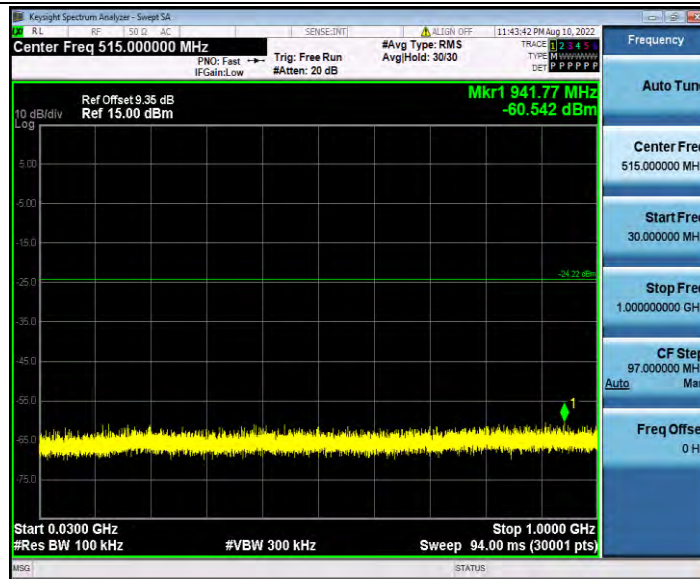
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



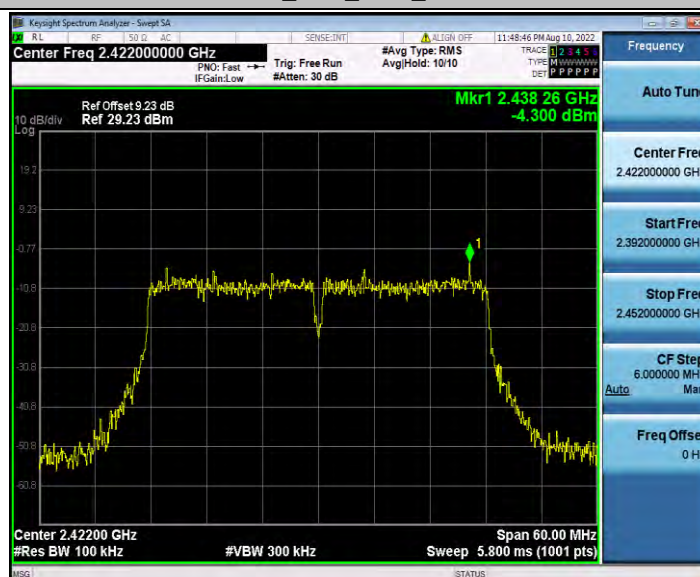
11N20SISO_Ant1_2462_30~1000



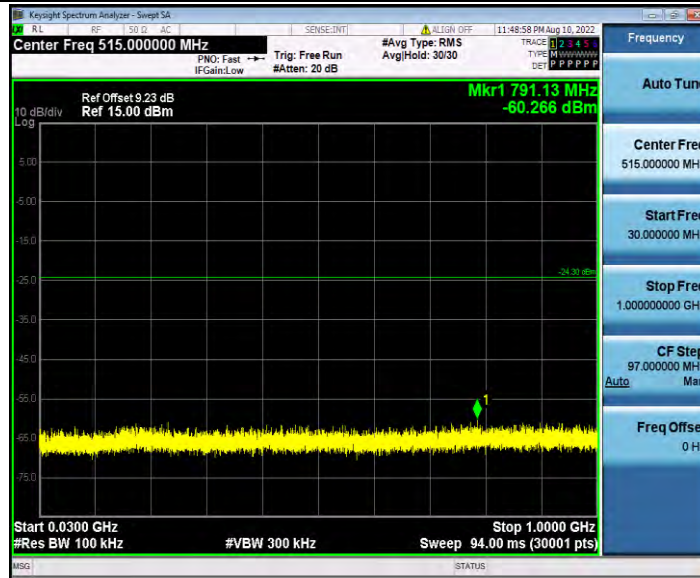
11N20SISO_Ant1_2462_1000~26500



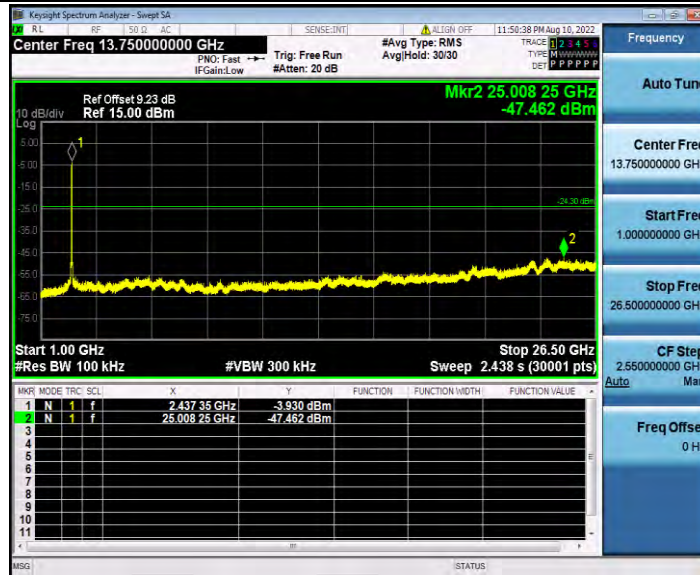
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



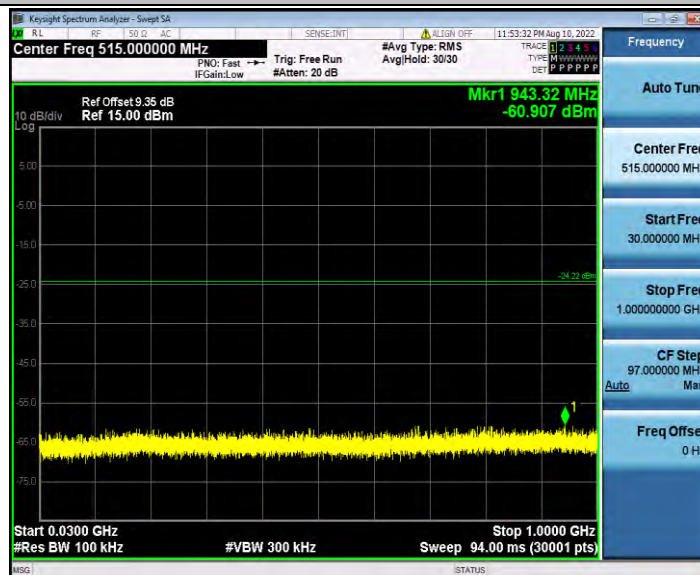
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



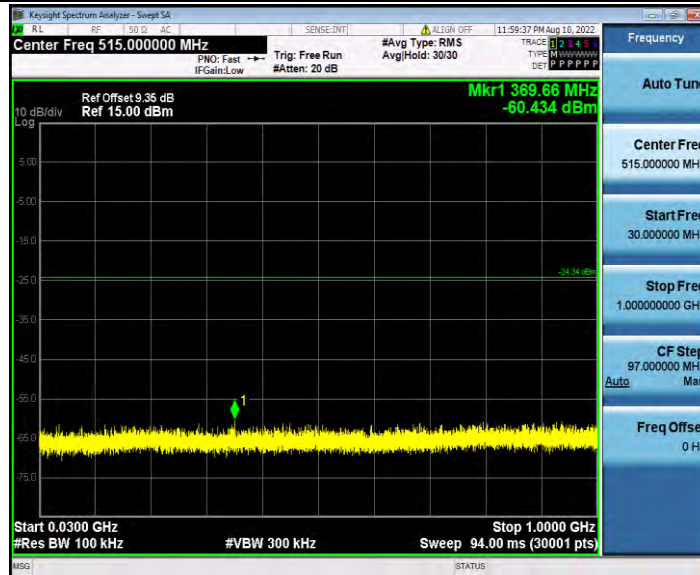
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

