

Case No. : <u>GTS20220421027-1-1</u>	
Ambient Condition: <u>22</u> °C, <u>43</u> %RH,	
Test Date: <u>2022/6/2</u>	Test Engineer: <u>Jenny Zeng</u>

Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.560	2408.440	2416.000	0.5	PASS
		2437	8.040	2432.960	2441.000	0.5	PASS
		2462	7.080	2458.480	2465.560	0.5	PASS
11G	Ant1	2412	15.400	2404.520	2419.920	0.5	PASS
		2437	15.440	2429.480	2444.920	0.5	PASS
		2462	15.200	2454.400	2469.600	0.5	PASS
11N20SISO	Ant1	2412	14.680	2404.480	2419.160	0.5	PASS
		2437	15.680	2429.440	2445.120	0.5	PASS
		2462	15.080	2454.480	2469.560	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



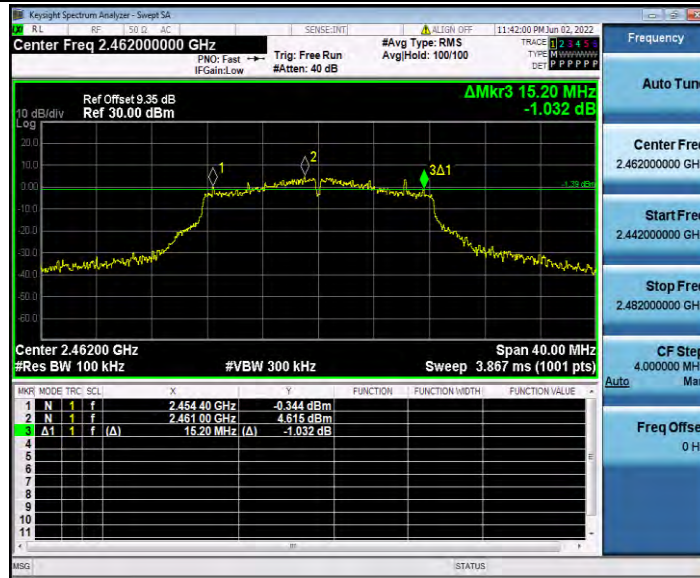
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix A.2: Occupied Channel Bandwidth

Test Result

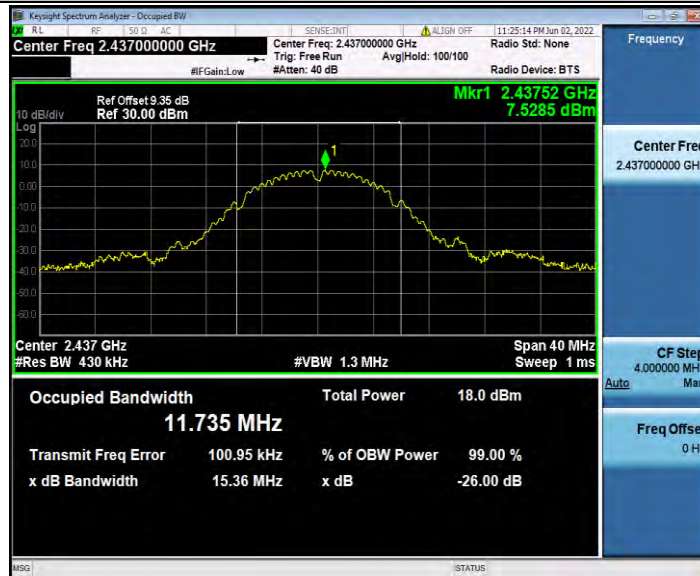
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.597	2406.415	2418.012	---	---
		2437	11.735	2431.233	2442.968	---	---
		2462	11.860	2456.086	2467.946	---	---
11G	Ant1	2412	16.901	2403.688	2420.589	---	---
		2437	16.903	2428.597	2445.500	---	---
		2462	16.810	2453.546	2470.356	---	---
11N20SISO	Ant1	2412	17.937	2403.149	2421.086	---	---
		2437	18.027	2428.090	2446.117	---	---
		2462	17.855	2453.109	2470.964	---	---

Test Graphs

11B_Ant1_2412



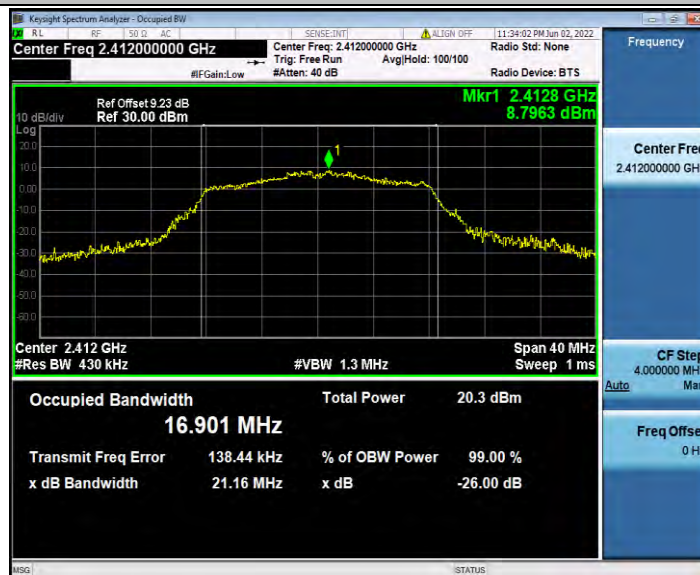
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



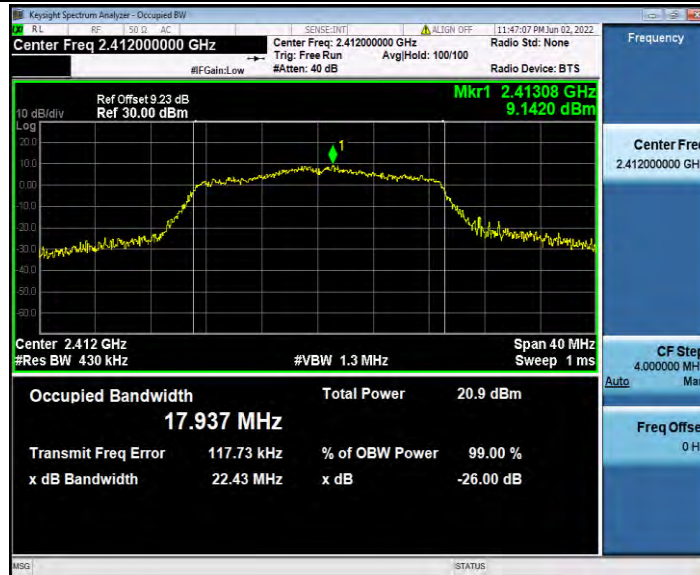
11G_Ant1_2437



11G_Ant1_2462



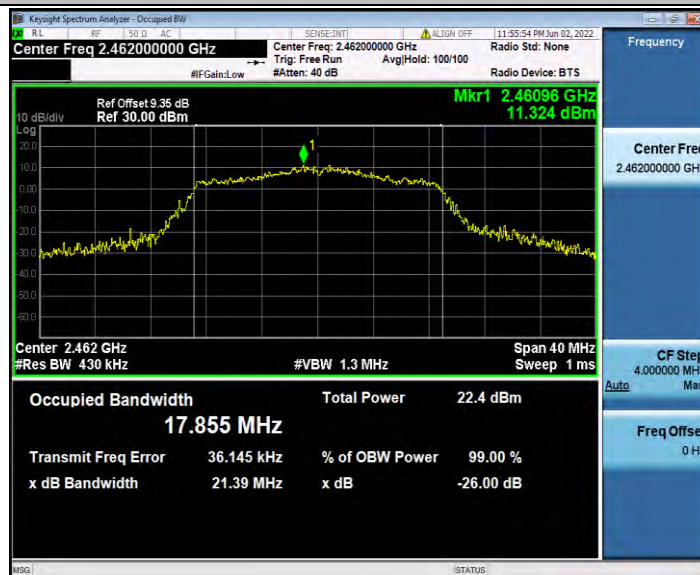
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix A.3: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.82	≤8.00	PASS
		2437	-6.97	≤8.00	PASS
		2462	-6.43	≤8.00	PASS
11G	Ant1	2412	-9.33	≤8.00	PASS
		2437	-7.40	≤8.00	PASS
		2462	-7.15	≤8.00	PASS
11N20SISO	Ant1	2412	-7.63	≤8.00	PASS
		2437	-7.05	≤8.00	PASS
		2462	-6.76	≤8.00	PASS

Test Graphs

11B_Ant1_2412



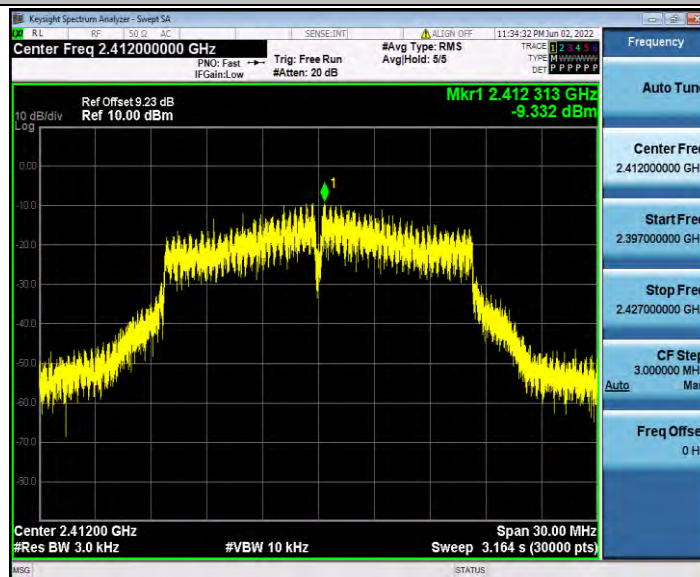
11B_Ant1_2437



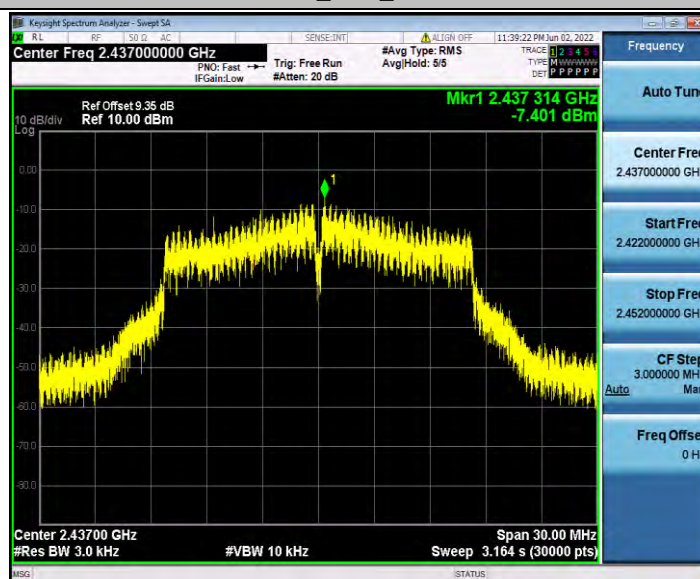
11B_Ant1_2462



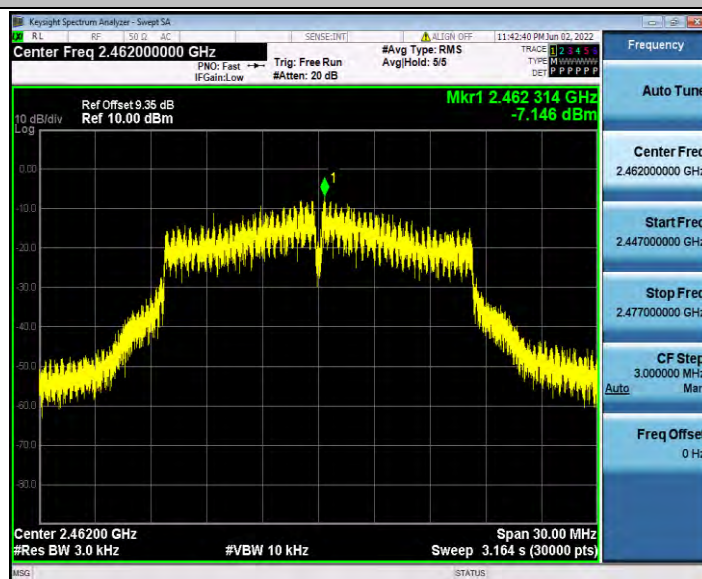
11G_Ant1_2412



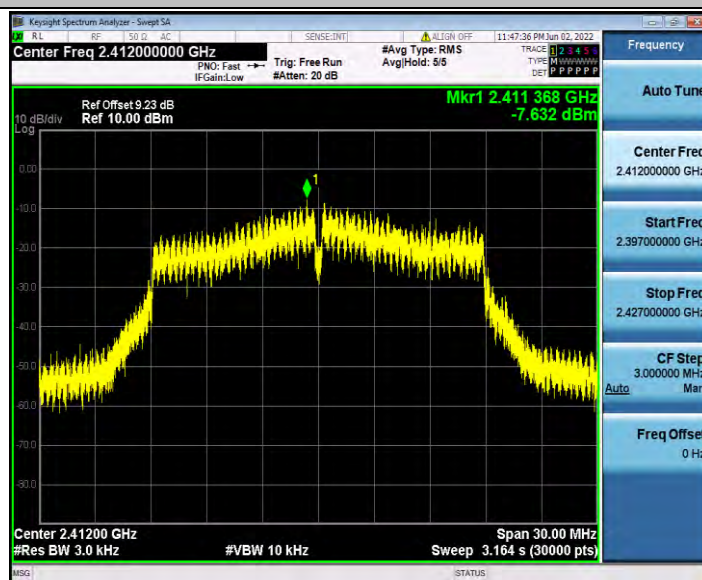
11G_Ant1_2437



11G_Ant1_2462



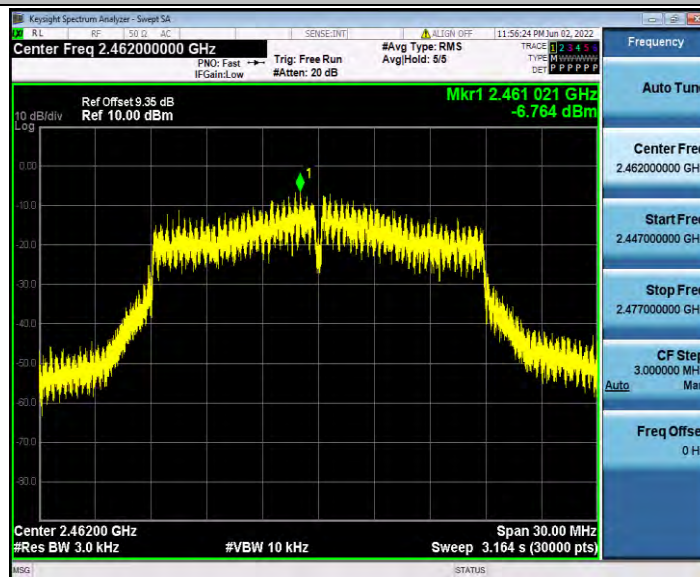
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



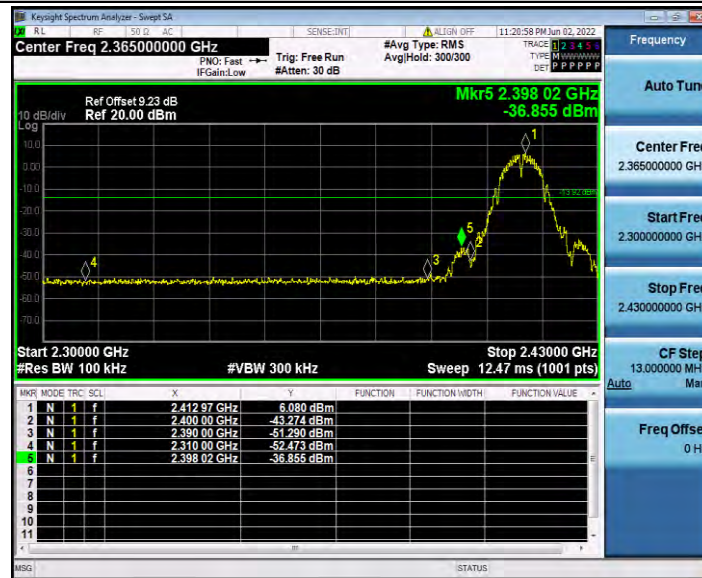
Appendix A.4: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.08	-36.86	≤ -13.92	PASS
		High	2462	7.20	-49.04	≤ -12.8	PASS
11G	Ant1	Low	2412	3.00	-29.49	≤ -17	PASS
		High	2462	4.46	-38.8	≤ -15.54	PASS
11N20SISO	Ant1	Low	2412	3.88	-30.00	≤ -16.12	PASS
		High	2462	5.53	-37.59	≤ -14.47	PASS

Test Graphs

11B_Ant1_Low_2412



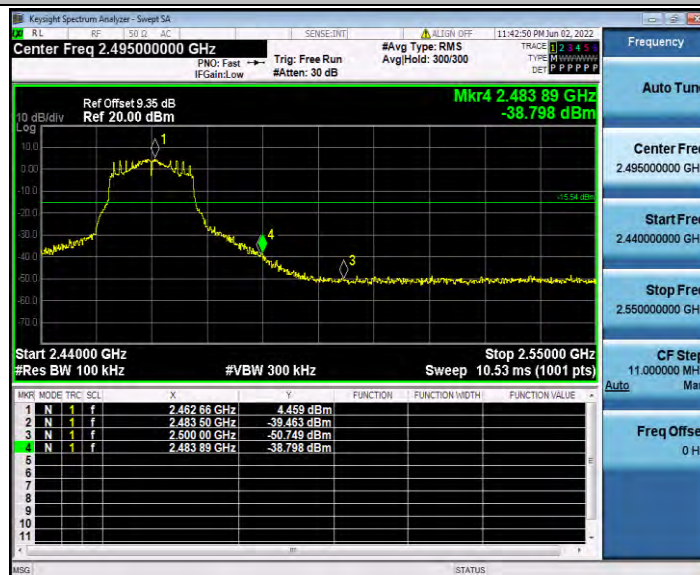
11B_Ant1_High_2462



11G_Ant1_Low_2412



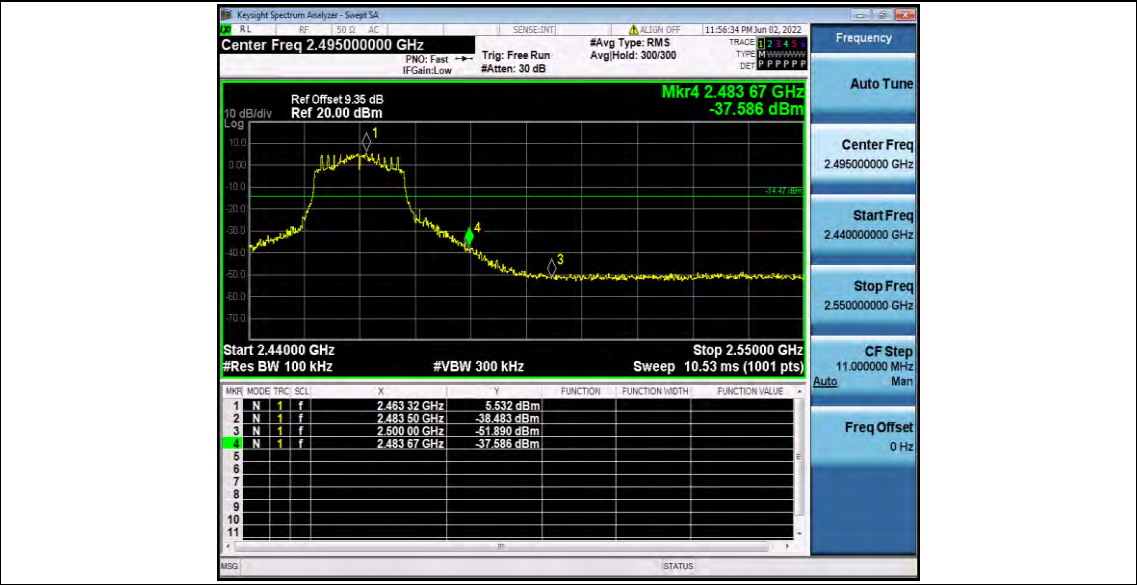
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix A.5: Conducted Spurious Emission

Test Result

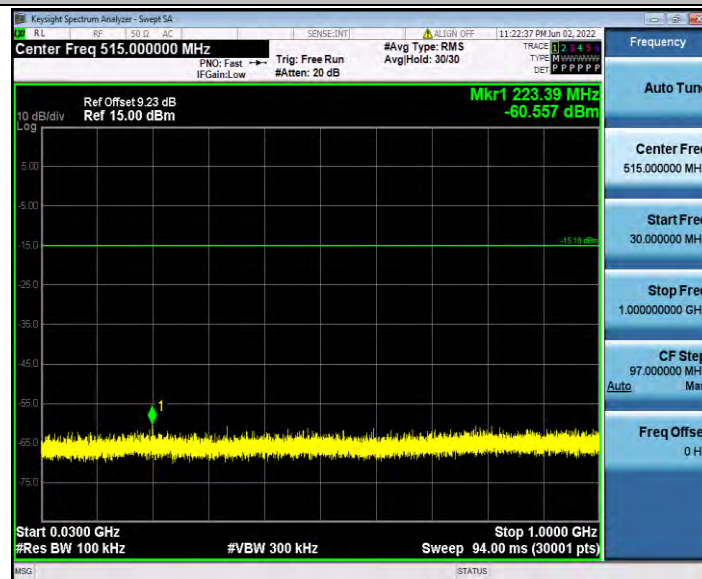
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.82	4.82	---	PASS
			30~1000	4.82	-60.56	≤-15.18	PASS
			1000~26500	4.82	-47.59	≤-15.18	PASS
		2437	Reference	5.58	5.58	---	PASS
			30~1000	5.58	-60.24	≤-14.42	PASS
			1000~26500	5.58	-47.98	≤-14.42	PASS
		2462	Reference	6.82	6.82	---	PASS
			30~1000	6.82	-60.63	≤-13.18	PASS
			1000~26500	6.82	-47.49	≤-13.18	PASS
11G	Ant1	2412	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-60.24	≤-17.61	PASS
			1000~26500	2.39	-47.61	≤-17.61	PASS
		2437	Reference	3.71	3.71	---	PASS
			30~1000	3.71	-60.19	≤-16.29	PASS
			1000~26500	3.71	-46.65	≤-16.29	PASS
		2462	Reference	3.71	3.71	---	PASS
			30~1000	3.71	-49.4	≤-16.29	PASS
			1000~26500	3.71	-47.23	≤-16.29	PASS
11N20SISO	Ant1	2412	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-60.79	≤-17.57	PASS
			1000~26500	2.43	-47.93	≤-17.57	PASS
		2437	Reference	3.47	3.47	---	PASS
			30~1000	3.47	-60.31	≤-16.53	PASS
			1000~26500	3.47	-47.12	≤-16.53	PASS
		2462	Reference	3.94	3.94	---	PASS
			30~1000	3.94	-60.16	≤-16.06	PASS
			1000~26500	3.94	-47.46	≤-16.06	PASS

Test Graphs

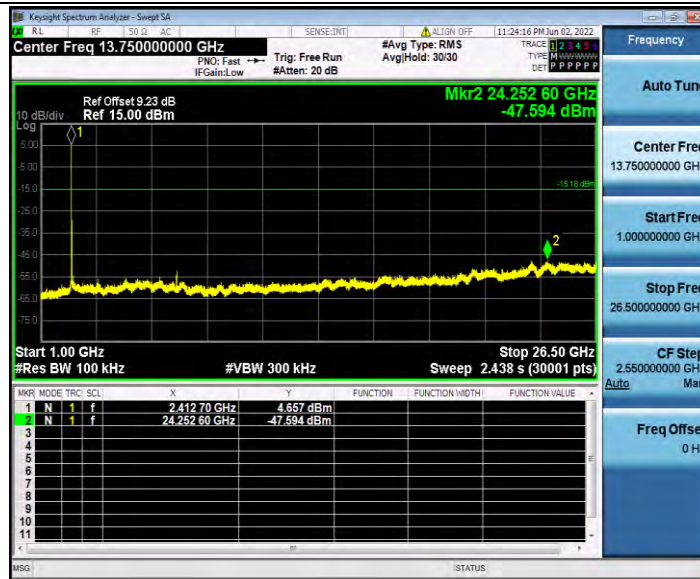
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



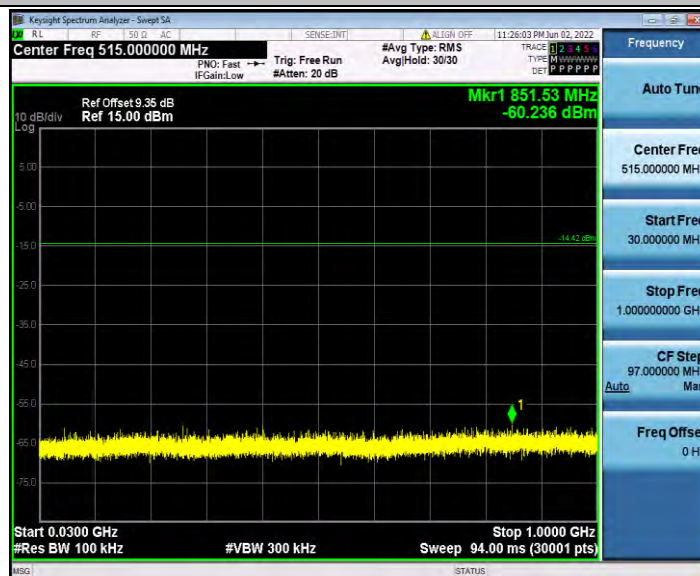
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



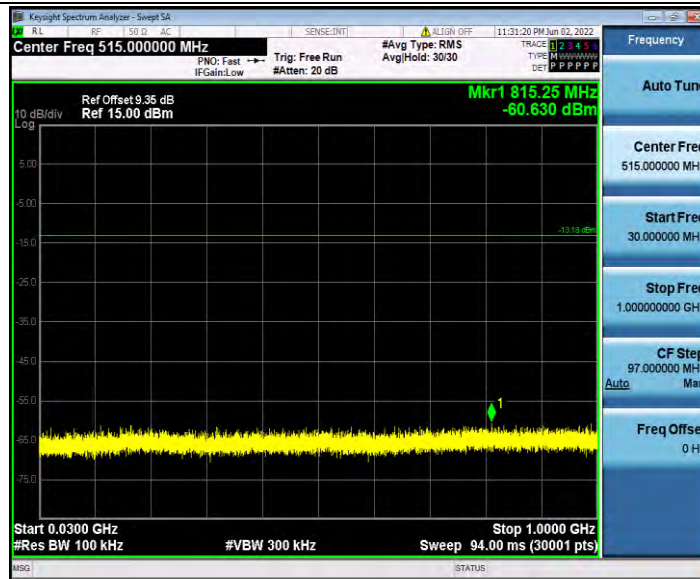
11B_Ant1_2437_1000~26500



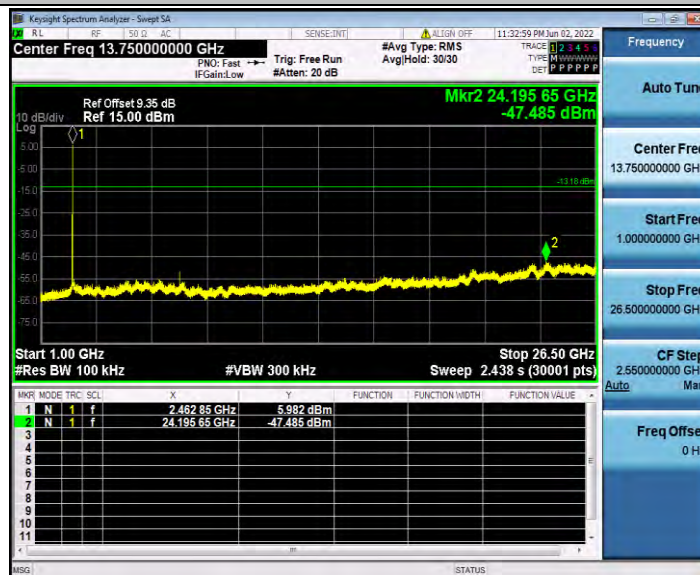
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



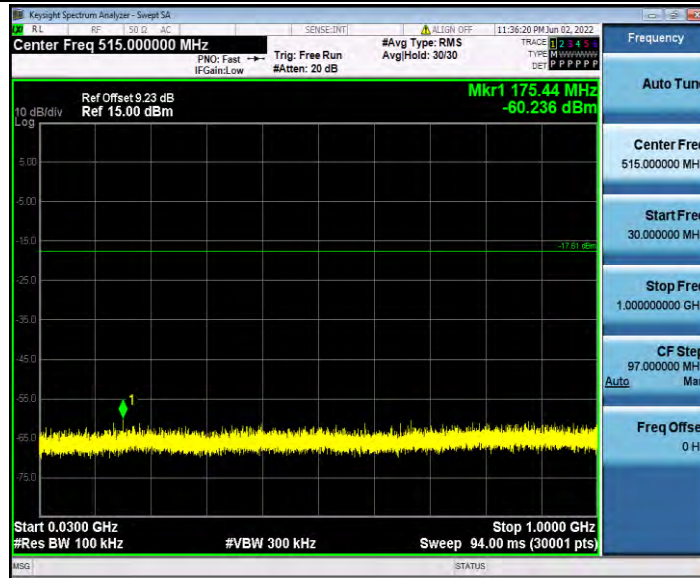
11B_Ant1_2462_1000~26500



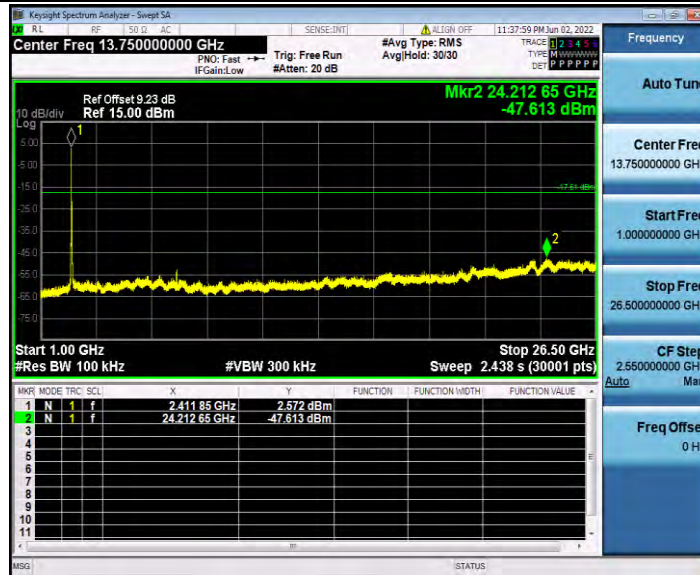
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



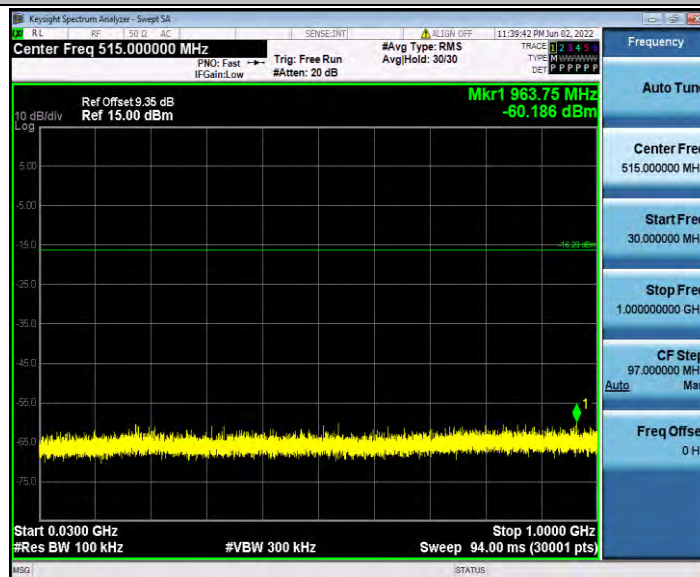
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



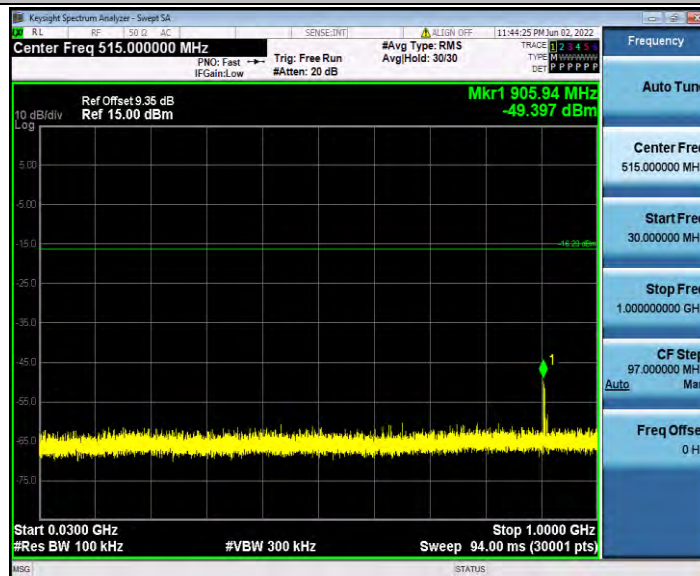
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



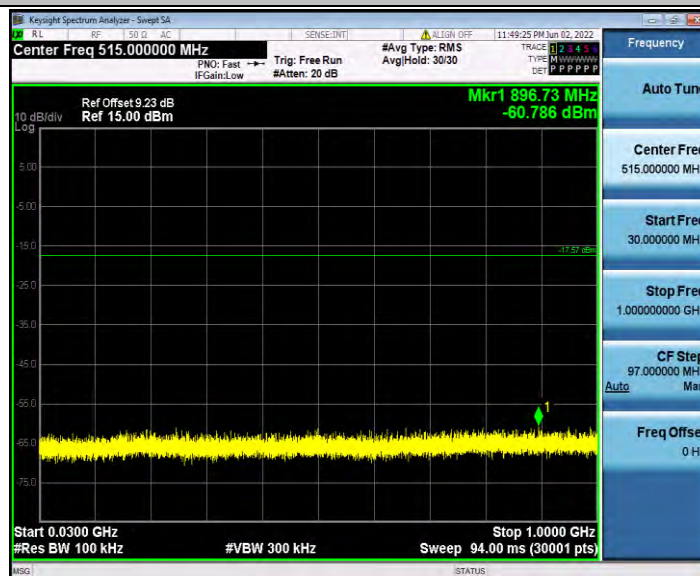
11G_Ant1_2462_1000~26500



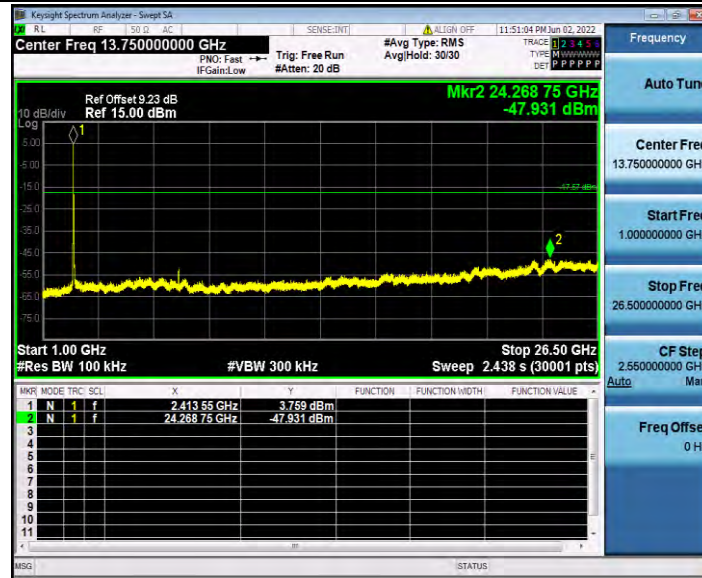
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



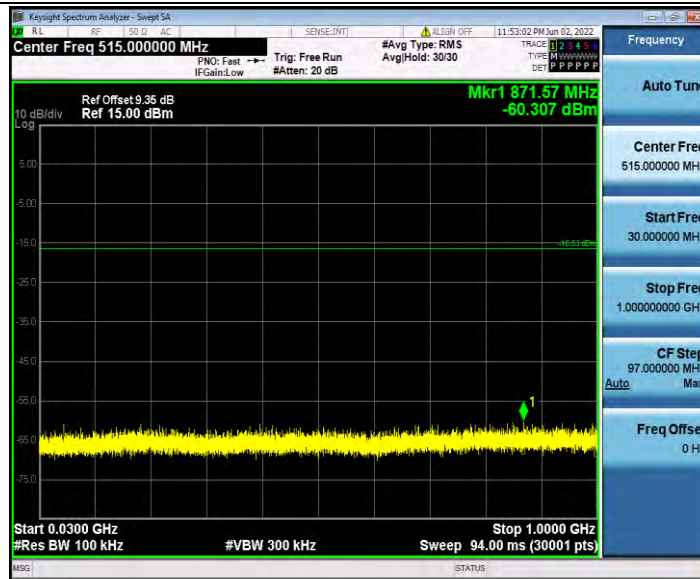
11N20SISO_Ant1_2412_1000~26500



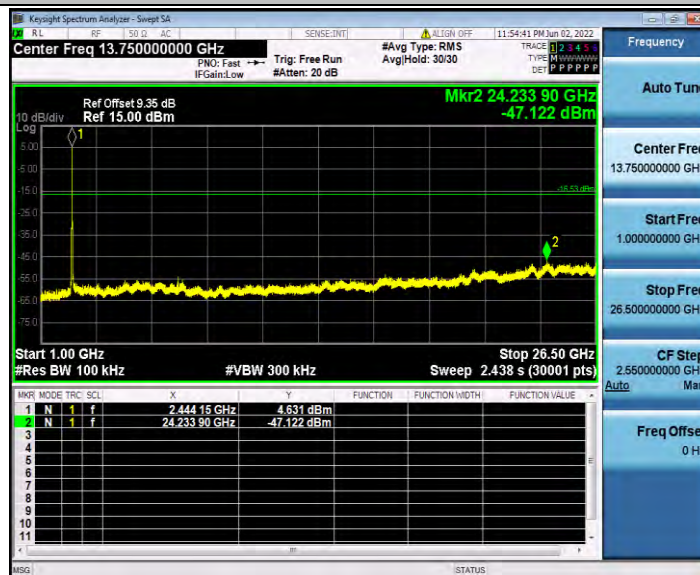
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



