

Case No. : <u>GTS20220909003-2-2</u>	
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.30</u>	Test Engineer: <u>Jenny zeng</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.920	2416.000	0.5	PASS
		2437	8.080	2432.920	2441.000	0.5	PASS
		2462	8.560	2457.920	2466.480	0.5	PASS
11G	Ant1	2412	16.320	2403.800	2420.120	0.5	PASS
		2437	15.800	2429.320	2445.120	0.5	PASS
		2462	15.160	2454.360	2469.520	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.200	2420.480	0.5	PASS
		2437	15.880	2429.360	2445.240	0.5	PASS
		2462	15.080	2454.440	2469.520	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



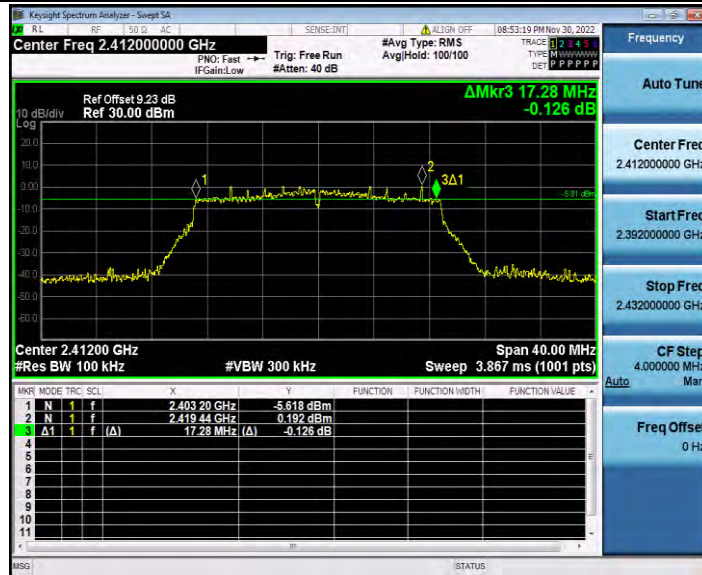
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



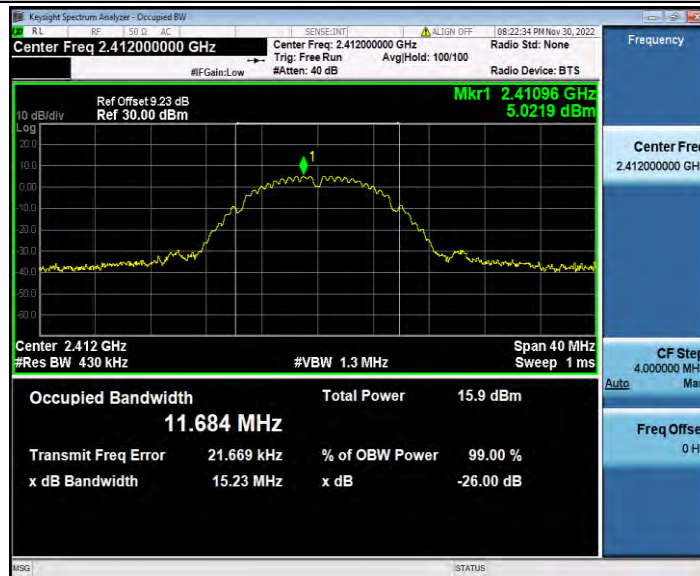
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.684	2406.180	2417.864	---	---
		2437	11.769	2431.157	2442.926	---	---
		2462	11.813	2456.090	2467.903	---	---
11G	Ant1	2412	17.121	2403.363	2420.484	---	---
		2437	17.248	2428.319	2445.567	---	---
		2462	17.088	2453.362	2470.450	---	---
11N20SISO	Ant1	2412	18.095	2402.906	2421.001	---	---
		2437	18.115	2427.919	2446.034	---	---
		2462	18.026	2452.984	2471.010	---	---

Test Graphs

11B_Ant1_2412



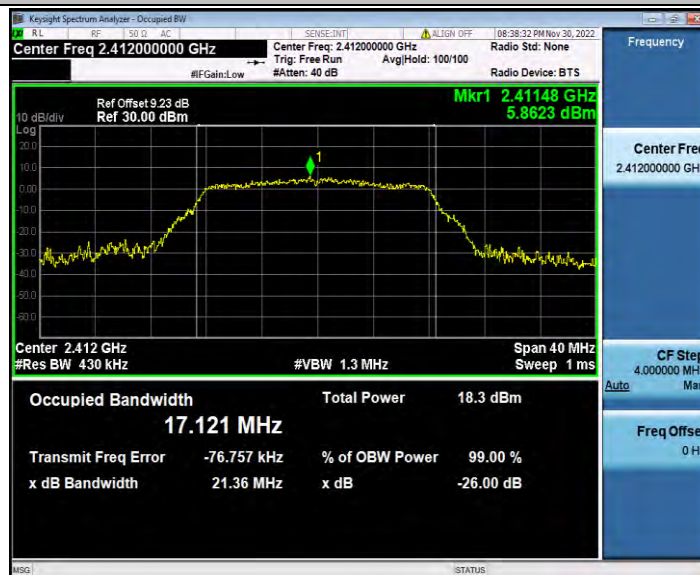
11B_Ant1_2437



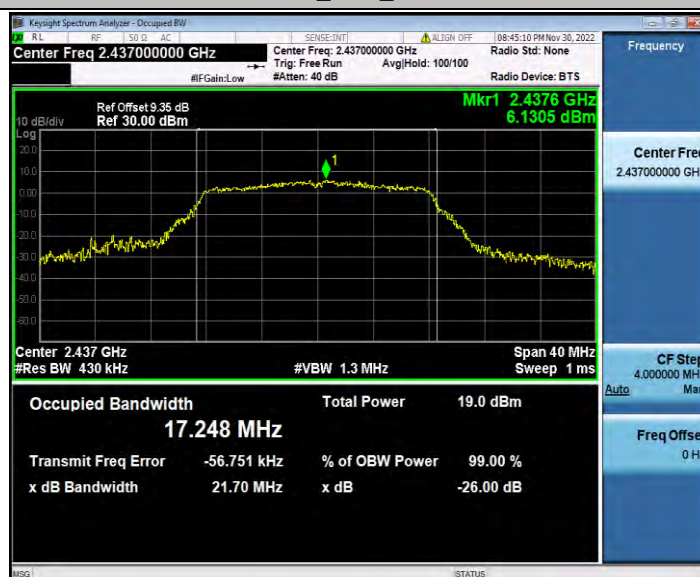
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



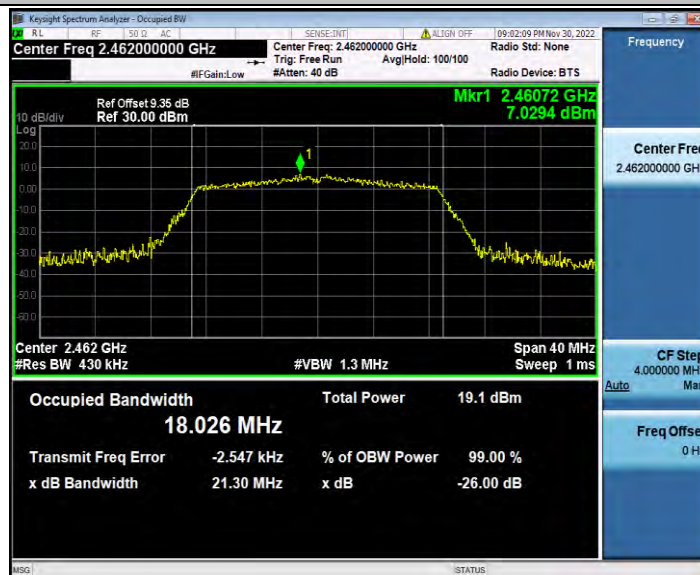
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.01	≤30.00	PASS
		2437	16.80	≤30.00	PASS
		2462	16.98	≤30.00	PASS
11G	Ant1	2412	19.53	≤30.00	PASS
		2437	20.30	≤30.00	PASS
		2462	20.81	≤30.00	PASS
11N20SISO	Ant1	2412	19.01	≤30.00	PASS
		2437	20.12	≤30.00	PASS
		2462	20.20	≤30.00	PASS

Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.13	≤8.00	PASS
		2437	-7.98	≤8.00	PASS
		2462	-8.66	≤8.00	PASS
11G	Ant1	2412	-11.05	≤8.00	PASS
		2437	-10.44	≤8.00	PASS
		2462	-10.08	≤8.00	PASS
11N20SISO	Ant1	2412	-12.42	≤8.00	PASS
		2437	-10.64	≤8.00	PASS
		2462	-10.87	≤8.00	PASS

Test Graphs

11B_Ant1_2412



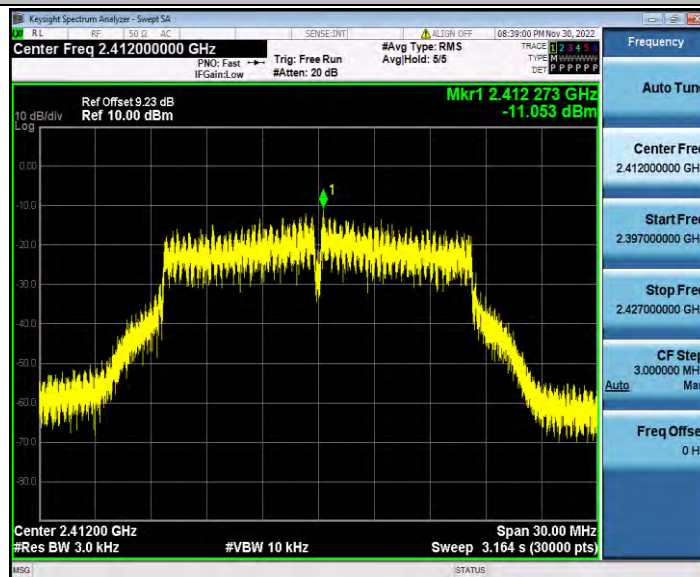
11B_Ant1_2437



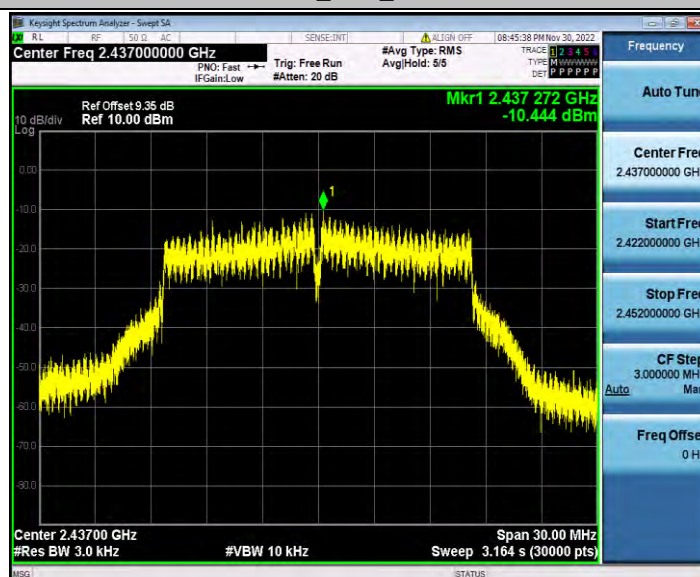
11B_Ant1_2462



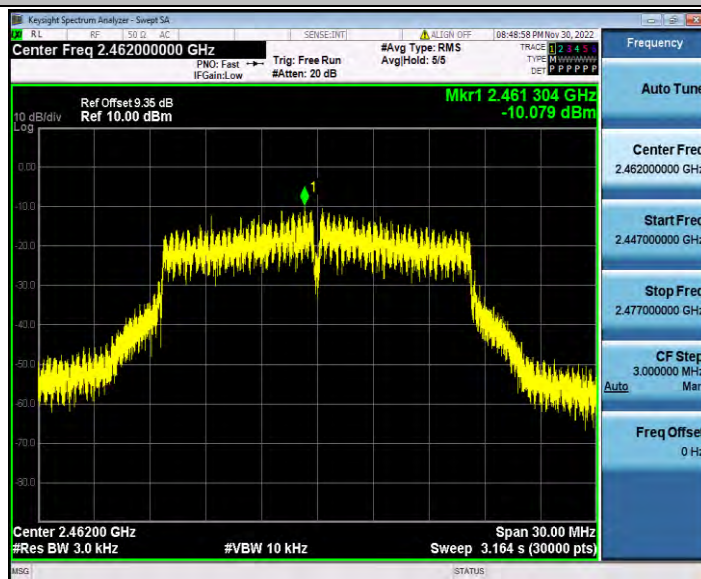
11G_Ant1_2412



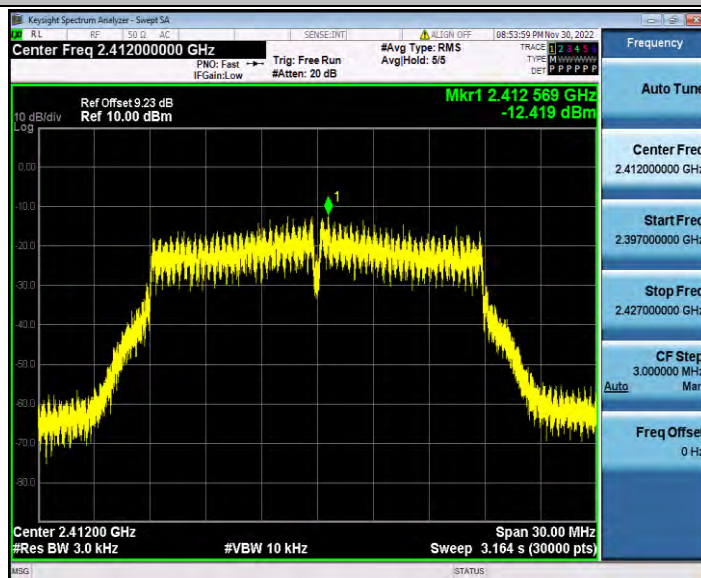
11G_Ant1_2437



11G_Ant1_2462



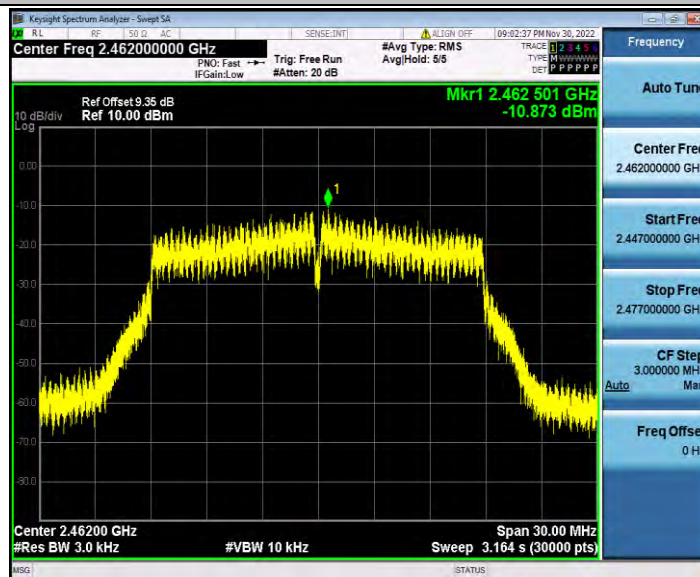
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



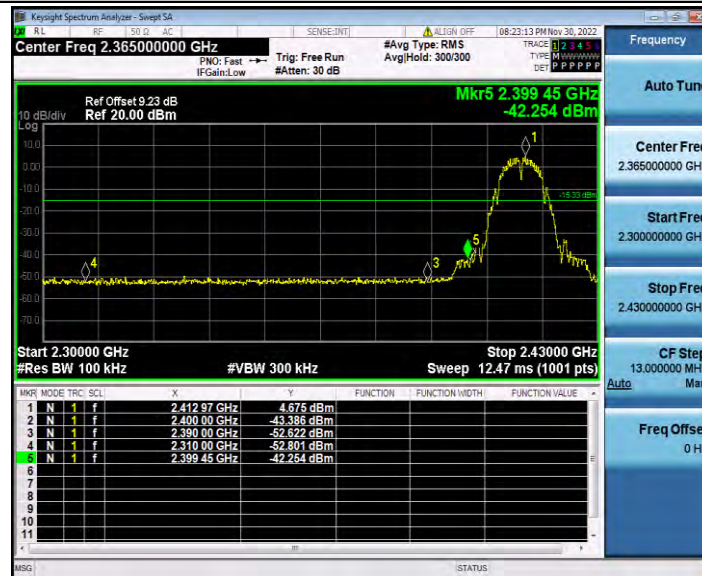
Appendix B.5: Band edge measurements

Test Result

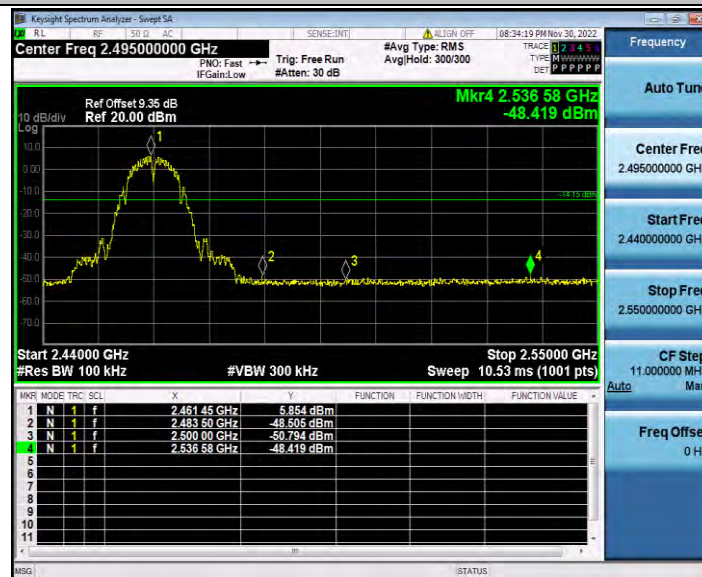
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.68	-42.25	≤-15.33	PASS
		High	2462	5.85	-48.42	≤-14.15	PASS
11G	Ant1	Low	2412	0.79	-31.35	≤-19.21	PASS
		High	2462	2.39	-43.7	≤-17.61	PASS
11N20SISO	Ant1	Low	2412	0.23	-37.97	≤-19.77	PASS
		High	2462	1.91	-45.62	≤-18.09	PASS

Test Graphs

11B_Ant1_Low_2412



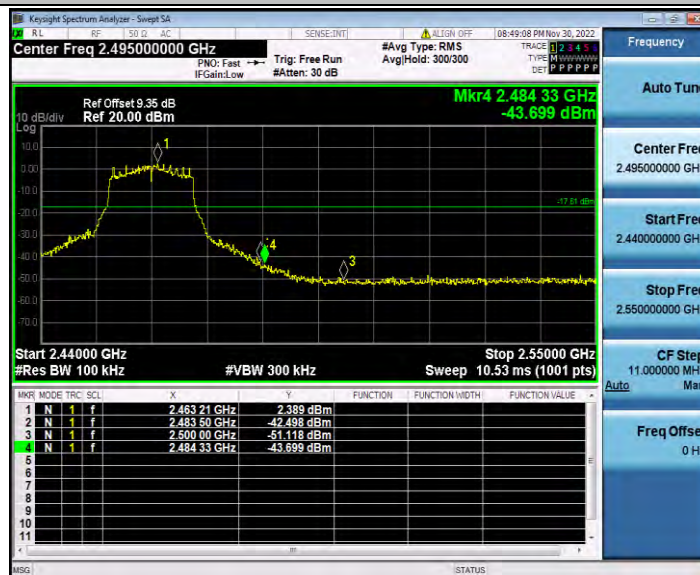
11B_Ant1_High_2462



11G_Ant1_Low_2412



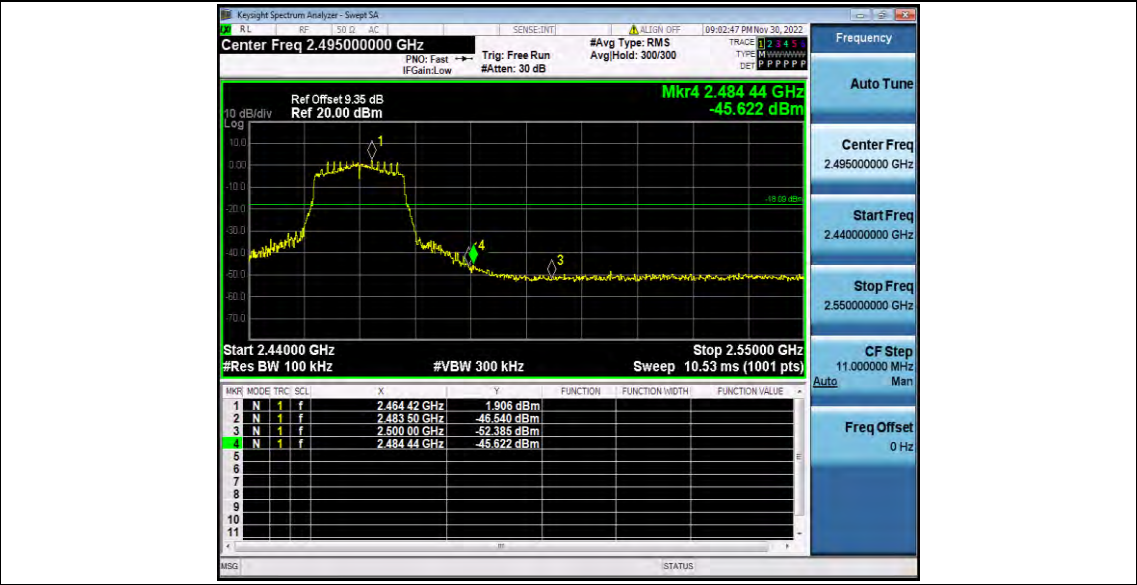
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix B.6: Conducted Spurious Emission

Test Result

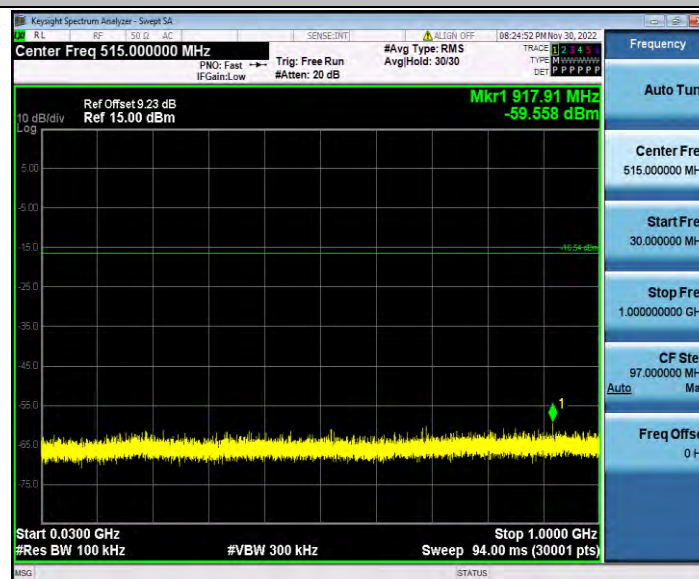
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-59.56	≤-16.54	PASS
			1000~26500	3.46	-43.21	≤-16.54	PASS
		2437	Reference	3.51	3.51	---	PASS
			30~1000	3.51	-60.56	≤-16.49	PASS
			1000~26500	3.51	-47.59	≤-16.49	PASS
		2462	Reference	4.18	4.18	---	PASS
			30~1000	4.18	-59.94	≤-15.82	PASS
			1000~26500	4.18	-47.65	≤-15.82	PASS
11G	Ant1	2412	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-60.28	≤-19.99	PASS
			1000~26500	0.01	-42.93	≤-19.99	PASS
		2437	Reference	0.26	0.26	---	PASS
			30~1000	0.26	-59.28	≤-19.74	PASS
			1000~26500	0.26	-47.95	≤-19.74	PASS
		2462	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-59.52	≤-17.96	PASS
			1000~26500	2.04	-43.8	≤-17.96	PASS
11N20SISO	Ant1	2412	Reference	0.37	0.37	---	PASS
			30~1000	0.37	-60.28	≤-19.63	PASS
			1000~26500	0.37	-47.2	≤-19.63	PASS
		2437	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-59.41	≤-20.83	PASS
			1000~26500	-0.83	-47.29	≤-20.83	PASS
		2462	Reference	-0.46	-0.46	---	PASS
			30~1000	-0.46	-59.5	≤-20.46	PASS
			1000~26500	-0.46	-47.63	≤-20.46	PASS

Test Graphs

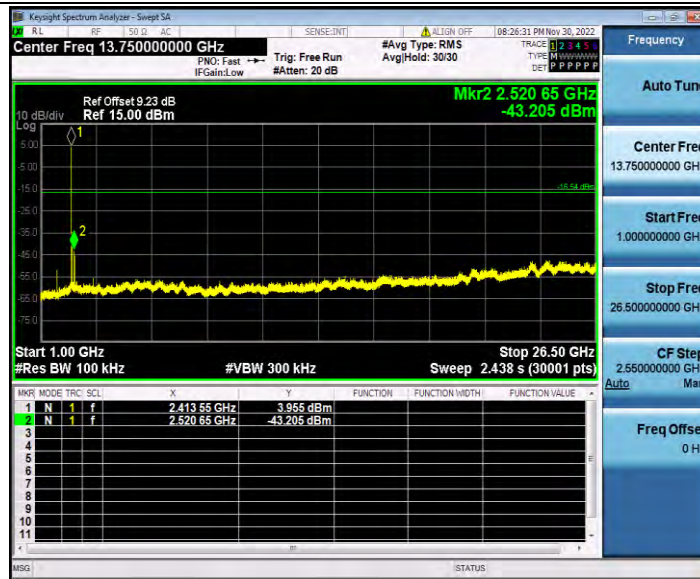
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



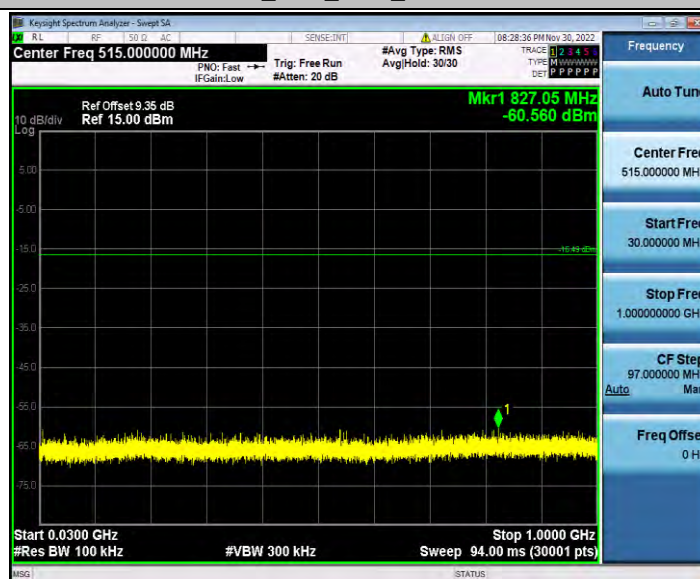
11B_Ant1_2412_1000~26500



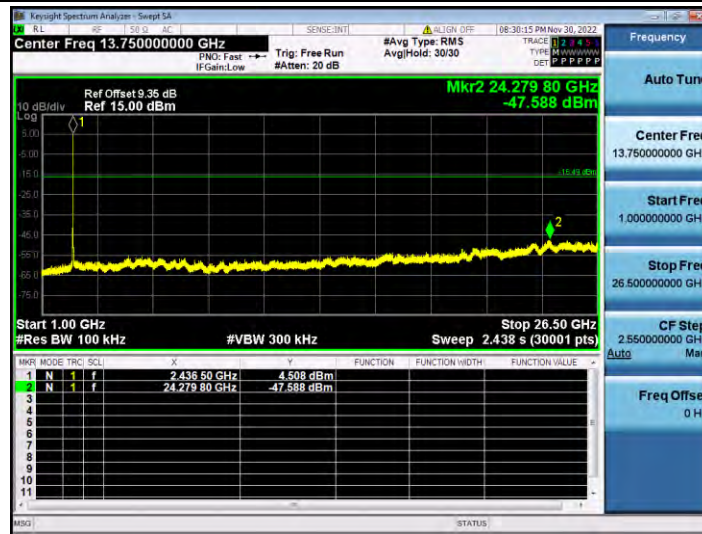
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



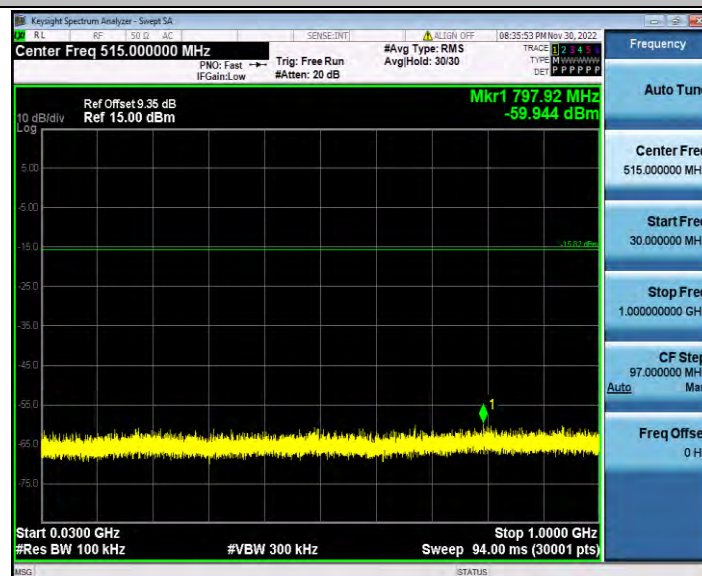
11B_Ant1_2437_1000~26500



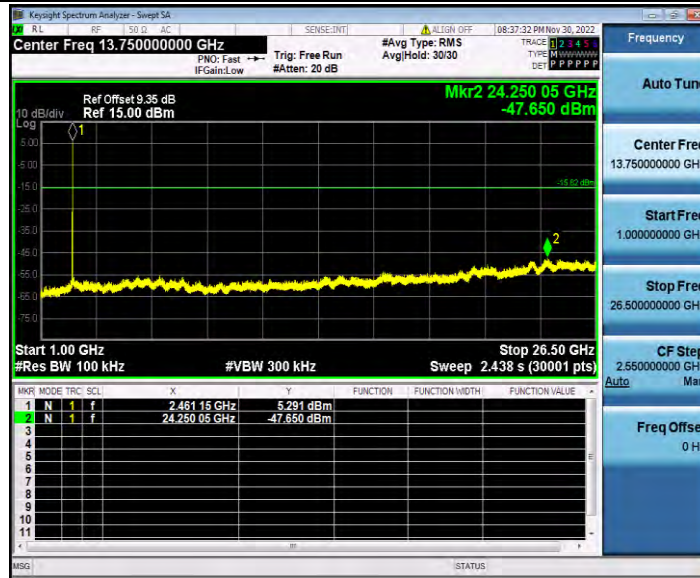
11B_Ant1_2462_0~Reference



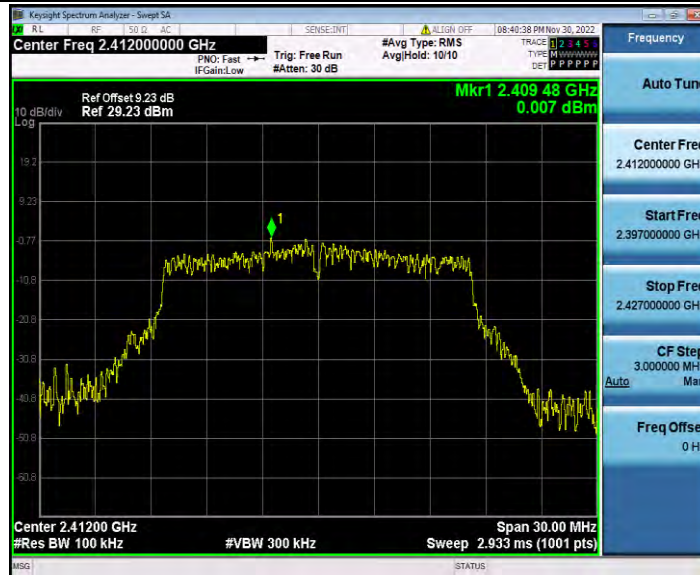
11B_Ant1_2462_30~1000



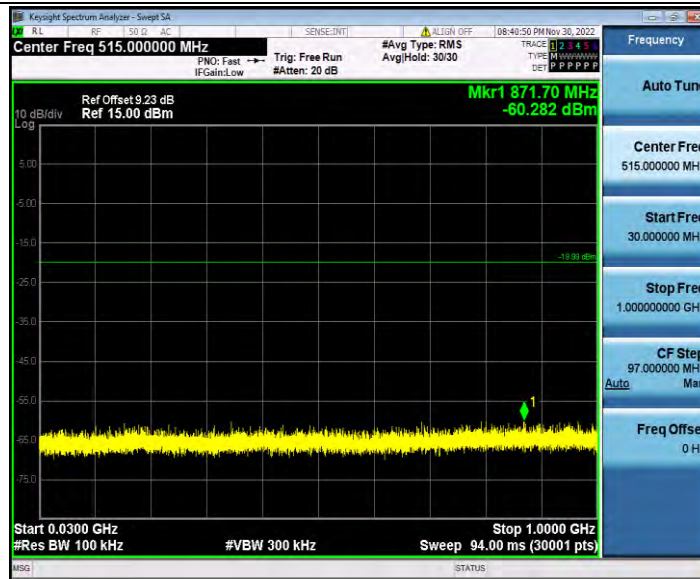
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



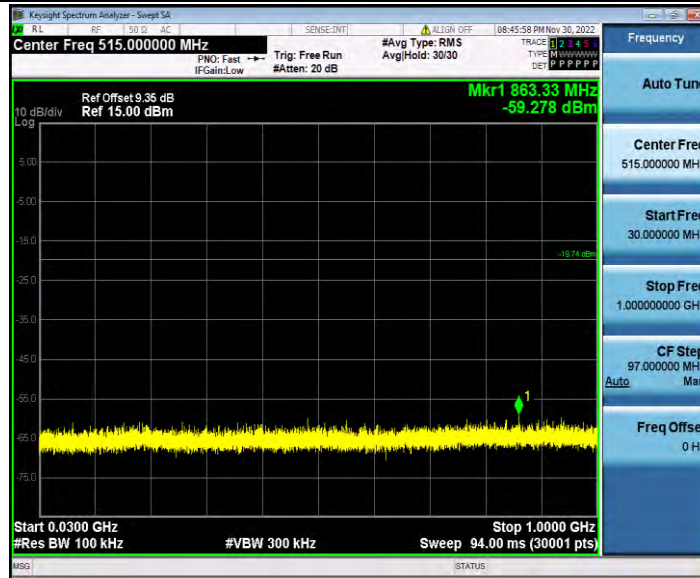
11G_Ant1_2412_1000~26500



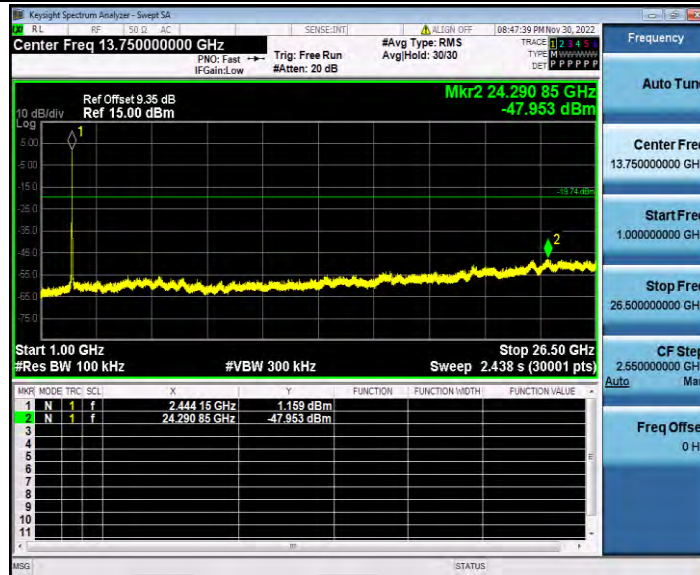
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



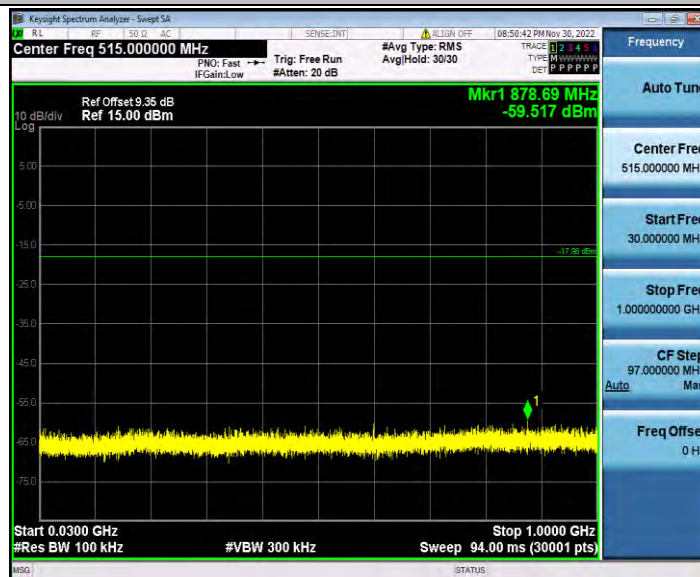
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



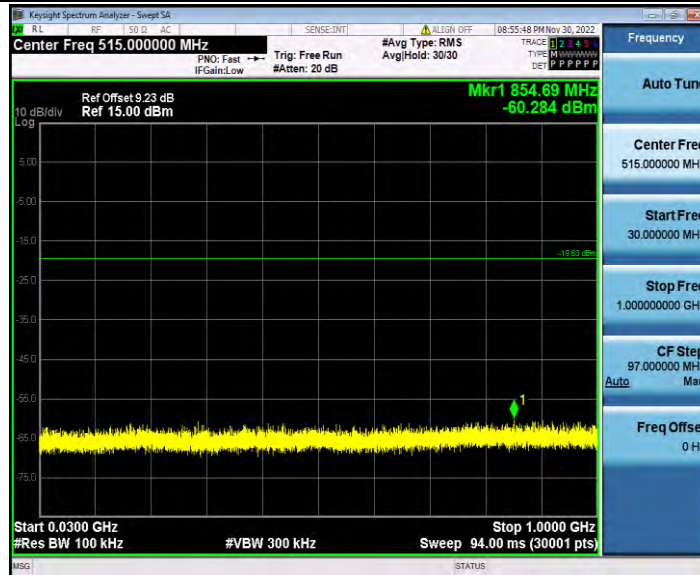
11G_Ant1_2462_1000~26500



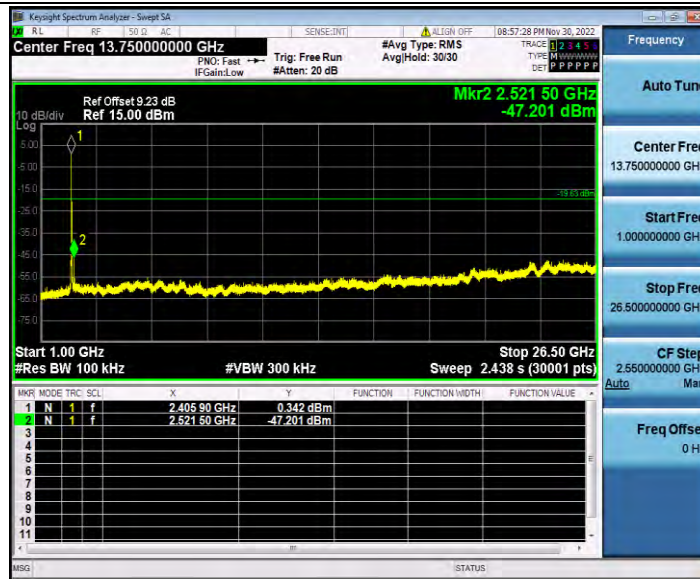
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



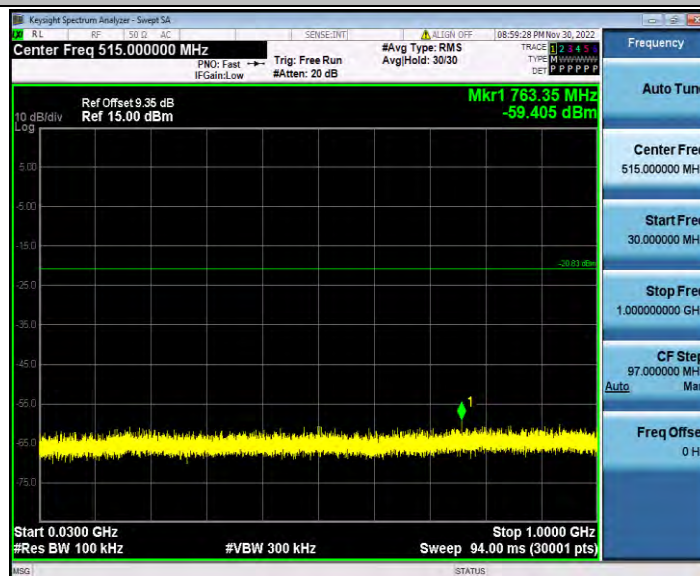
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



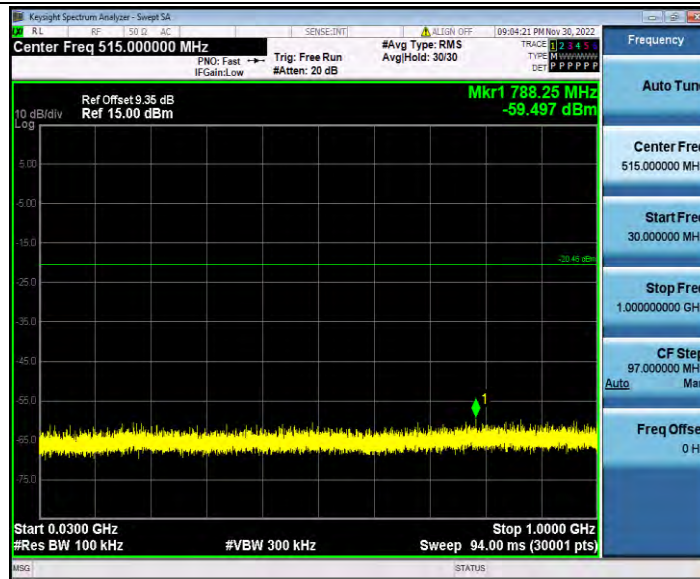
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

