

Case No. : <u>GTS20221027005-2-8</u>	
Ambient Condition: <u>24</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.13</u>	Test Engineer: <u>Jenny zeng</u>

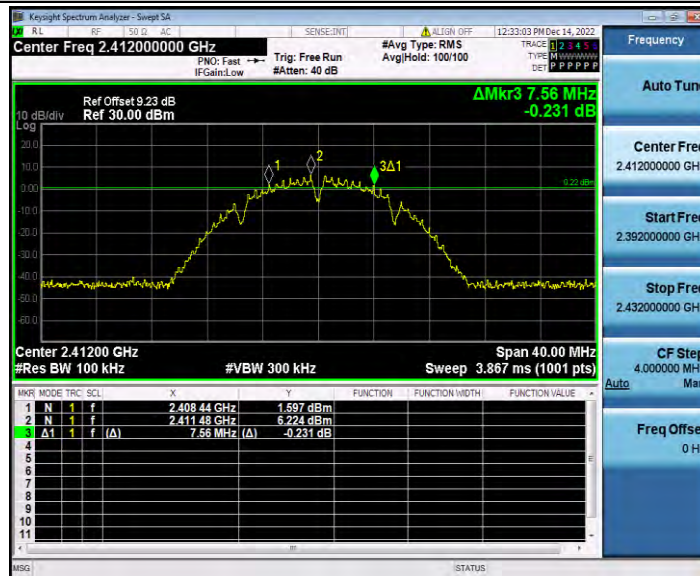
Appendix A.1: DTS Bandwidth

Test Result

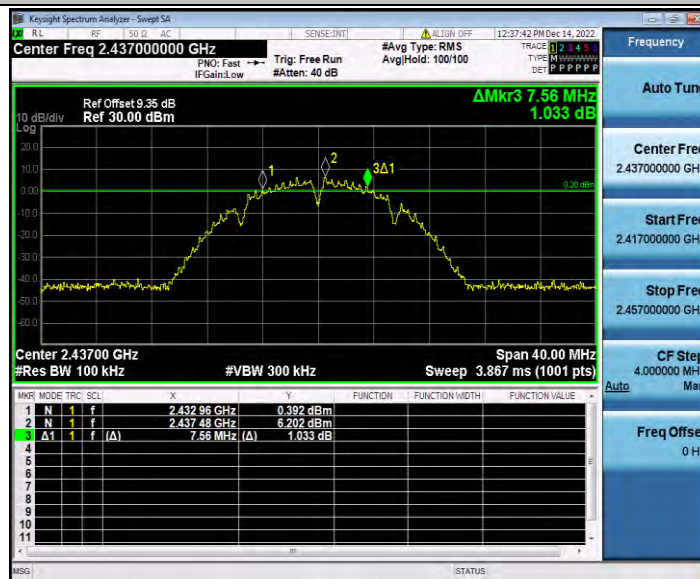
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	7.560	2408.440	2416.000	0.5	PASS
		2437	7.560	2432.960	2440.520	0.5	PASS
		2462	7.600	2457.920	2465.520	0.5	PASS
11G	Ant2	2412	16.320	2403.800	2420.120	0.5	PASS
		2437	16.320	2428.800	2445.120	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant2	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.600	2428.160	2445.760	0.5	PASS
		2462	17.520	2453.200	2470.720	0.5	PASS
11N40SISO	Ant2	2422	34.960	2404.480	2439.440	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	33.200	2434.400	2467.600	0.5	PASS

Test Graphs

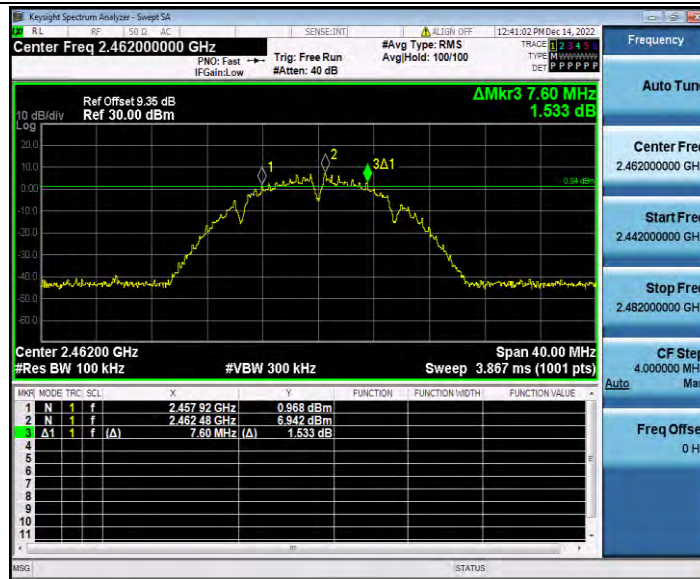
11B_Ant2_2412



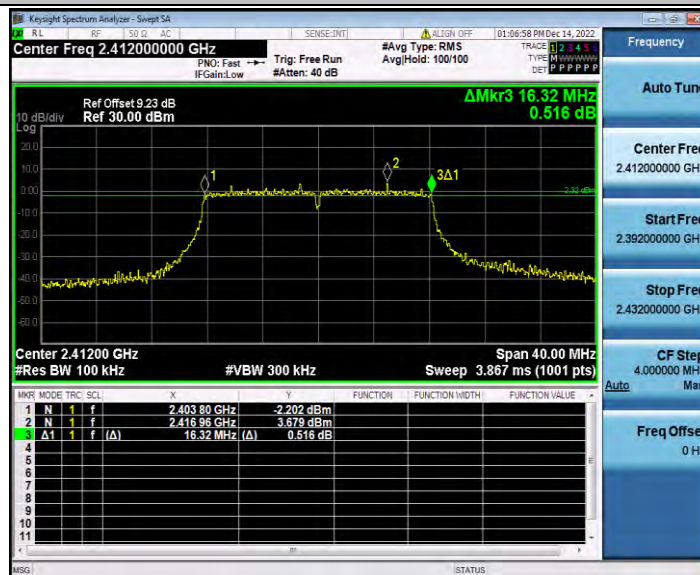
11B_Ant2_2437



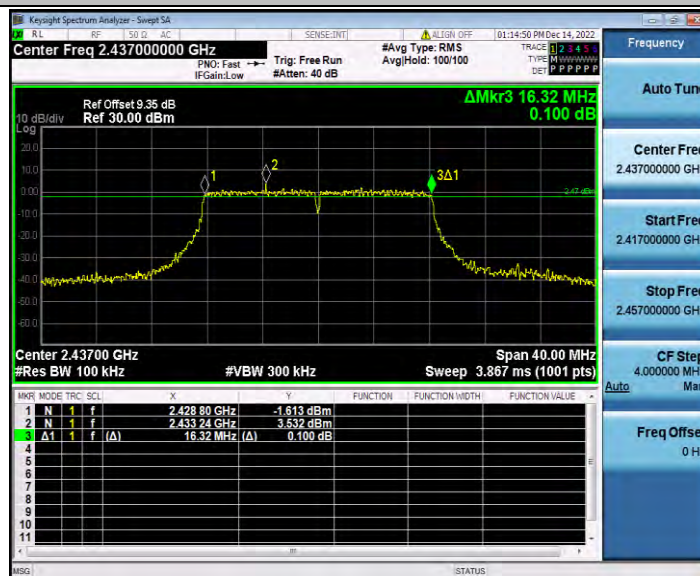
11B_Ant2_2462



11G_Ant2_2412



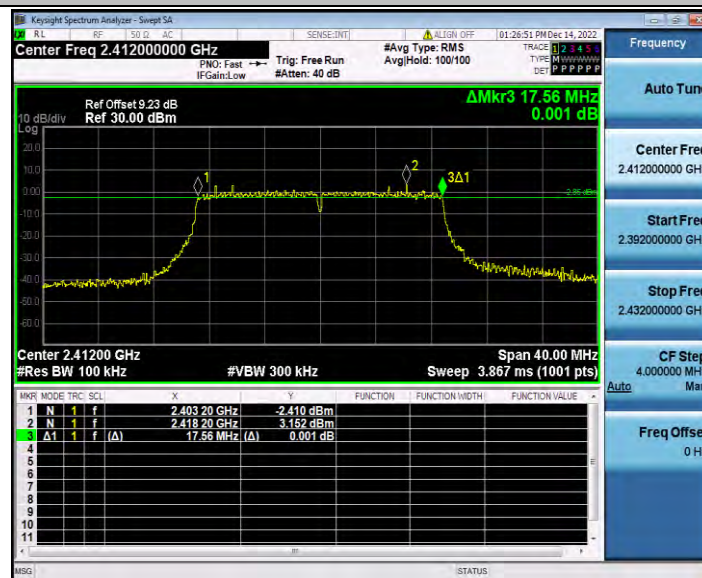
11G_Ant2_2437



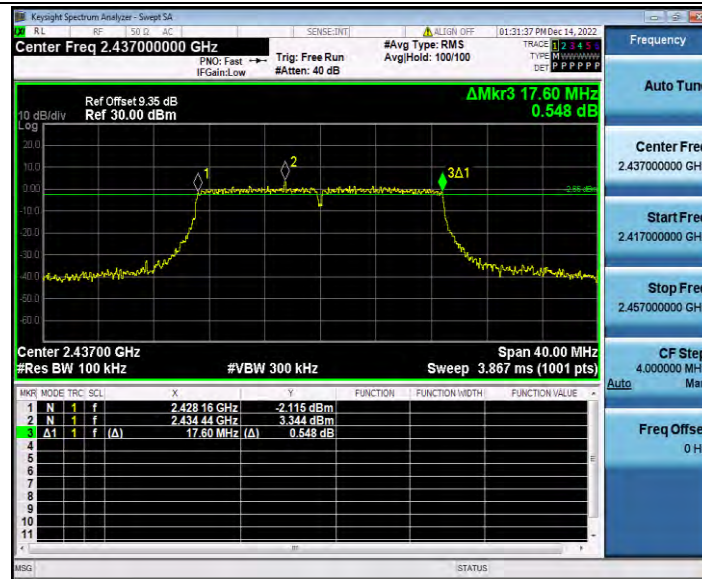
11G_Ant2_2462



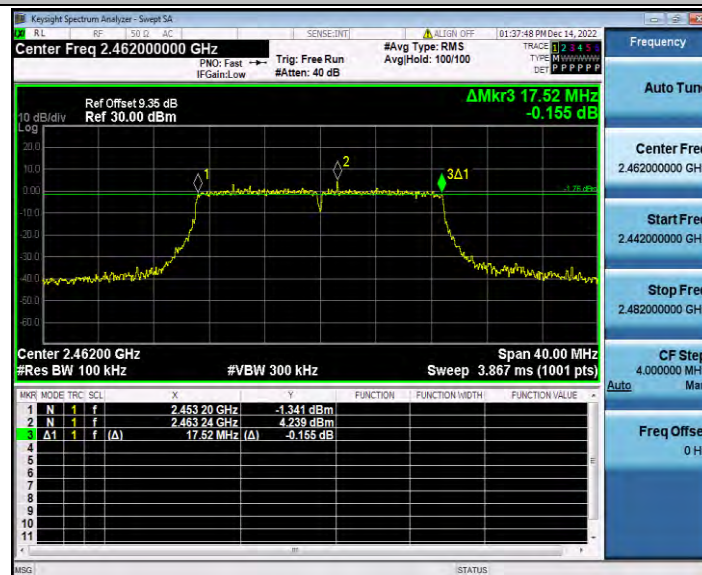
11N20SISO_Ant2_2412



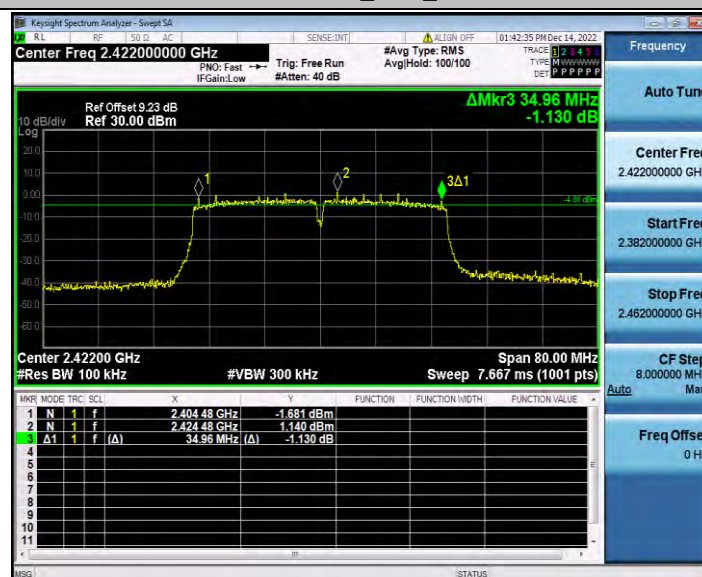
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



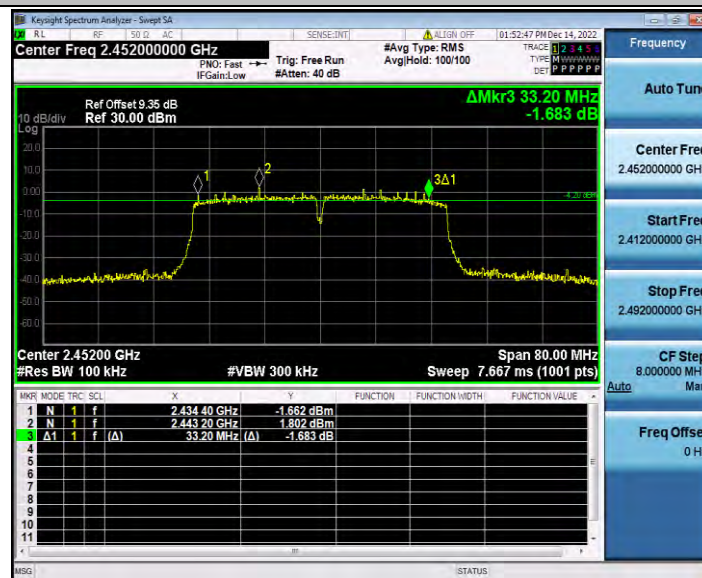
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



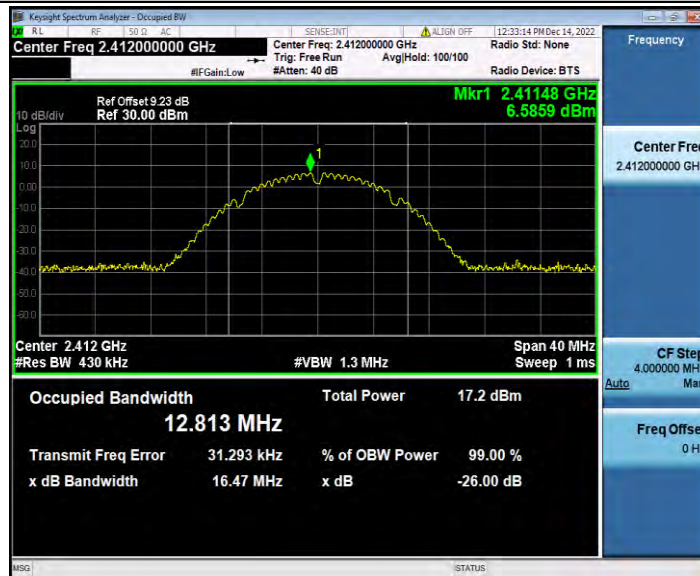
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.813	2405.625	2418.438	---	---
		2437	12.904	2430.527	2443.431	---	---
		2462	12.875	2455.527	2468.402	---	---
11G	Ant2	2412	16.569	2403.717	2420.286	---	---
		2437	16.620	2428.664	2445.284	---	---
		2462	16.581	2453.666	2470.247	---	---
11N20SISO	Ant2	2412	17.766	2403.101	2420.867	---	---
		2437	17.740	2428.098	2445.838	---	---
		2462	17.724	2453.113	2470.837	---	---
11N40SISO	Ant2	2422	36.015	2404.009	2440.024	---	---
		2437	36.056	2418.944	2455.000	---	---
		2452	36.045	2433.964	2470.009	---	---

Test Graphs

11B_Ant2_2412



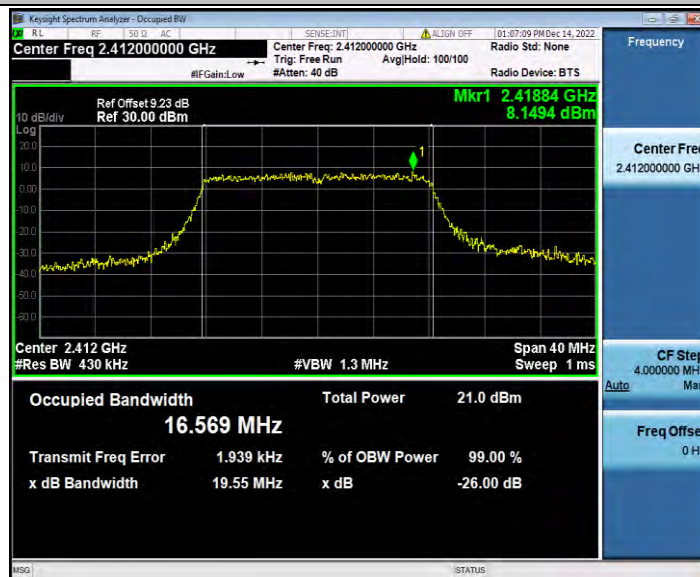
11B_Ant2_2437



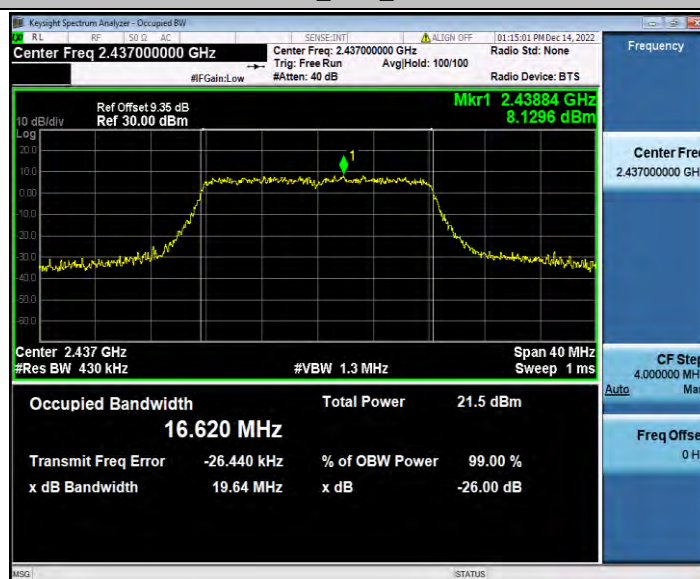
11B_Ant2_2462



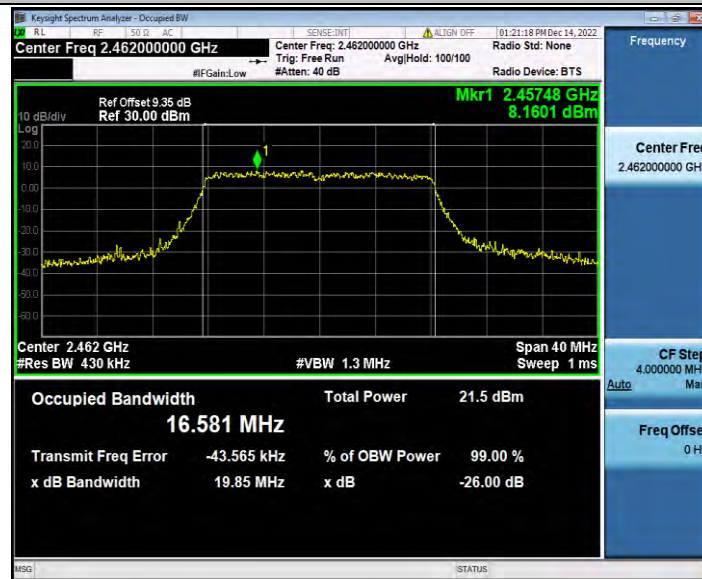
11G_Ant2_2412



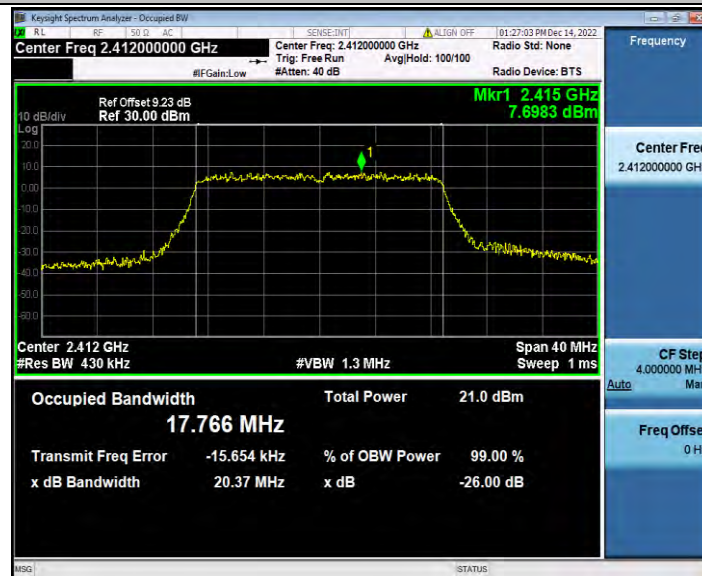
11G_Ant2_2437



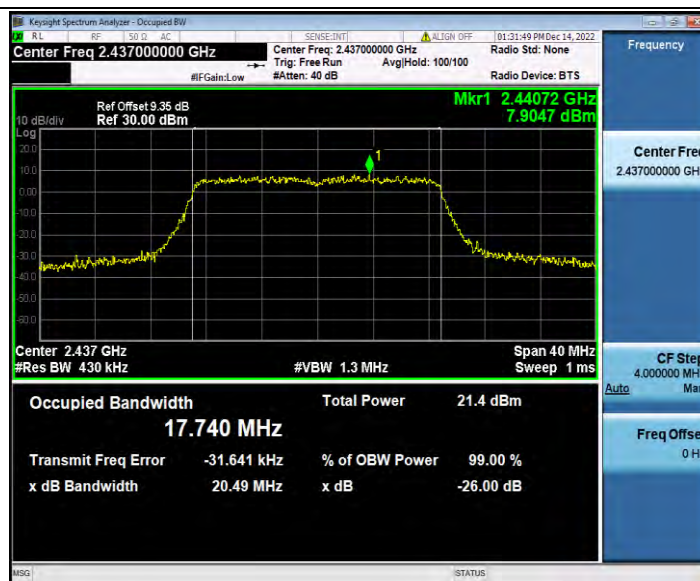
11G_Ant2_2462



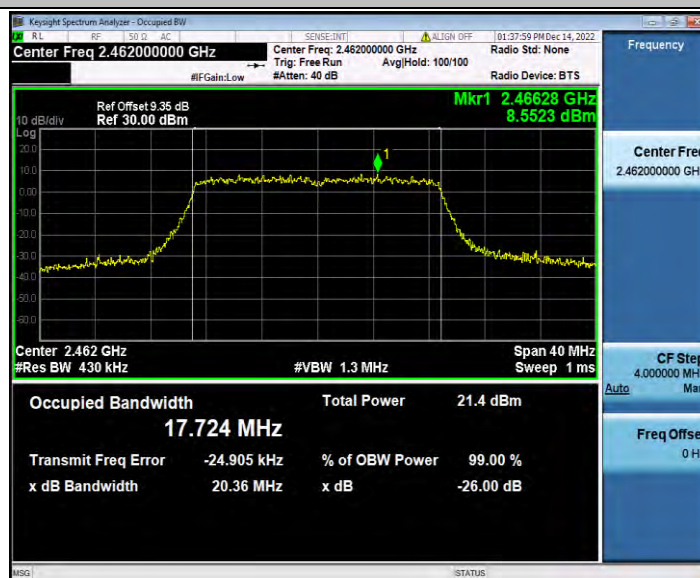
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



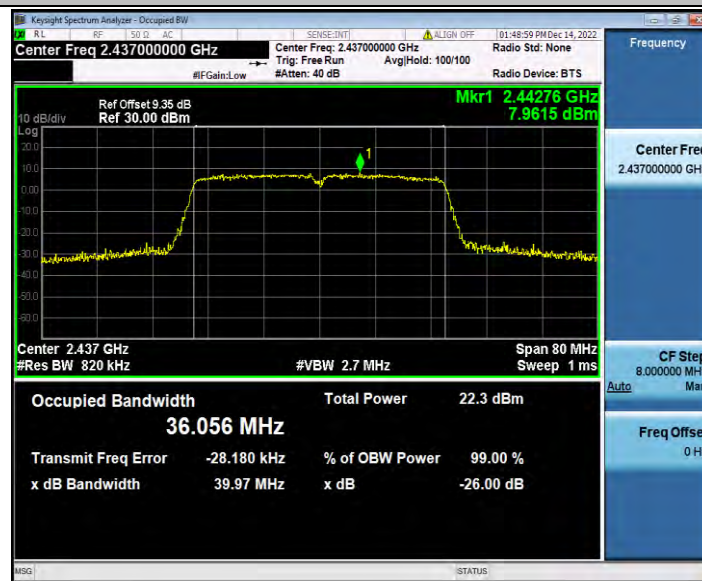
11N20SISO_Ant2_2462



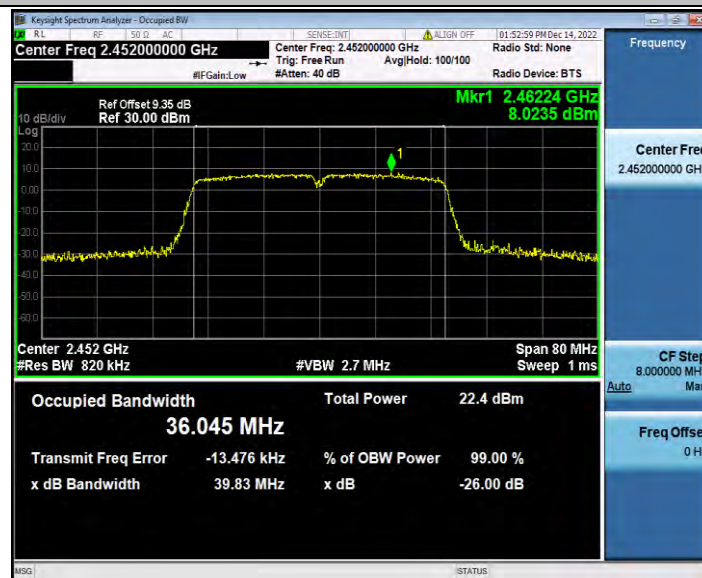
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	17.30	≤30.00	PASS
		2437	17.78	≤30.00	PASS
		2462	17.86	≤30.00	PASS
11G	Ant2	2412	22.10	≤30.00	PASS
		2437	22.57	≤30.00	PASS
		2462	22.56	≤30.00	PASS
11N20SISO	Ant2	2412	22.07	≤30.00	PASS
		2437	22.54	≤30.00	PASS
		2462	22.55	≤30.00	PASS
11N40SISO	Ant2	2422	22.39	≤30.00	PASS
		2437	22.75	≤30.00	PASS
		2452	22.74	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-8.2	≤8.00	PASS
		2437	-7.29	≤8.00	PASS
		2462	-6.96	≤8.00	PASS
11G	Ant2	2412	-10.79	≤8.00	PASS
		2437	-8.67	≤8.00	PASS
		2462	-9.07	≤8.00	PASS
11N20SISO	Ant2	2412	-10.24	≤8.00	PASS
		2437	-10.13	≤8.00	PASS
		2462	-10.48	≤8.00	PASS
11N40SISO	Ant2	2422	-12.72	≤8.00	PASS
		2437	-13.31	≤8.00	PASS
		2452	-12.23	≤8.00	PASS

Test Graphs

11B_Ant2_2412



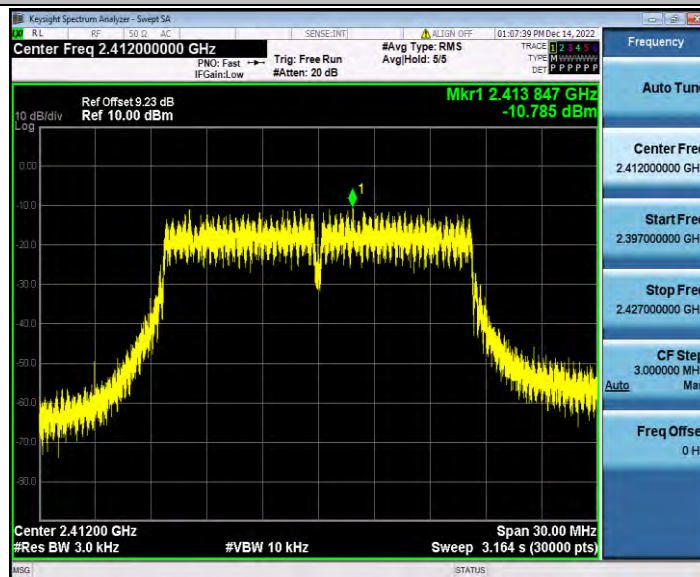
11B_Ant2_2437



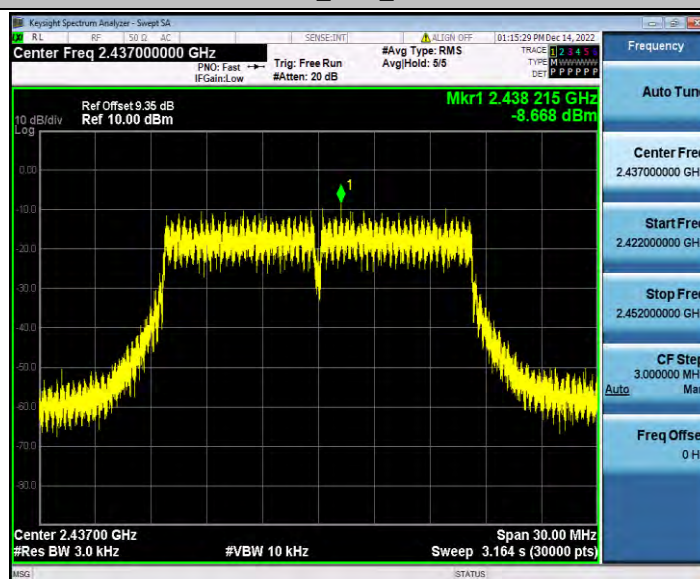
11B_Ant2_2462



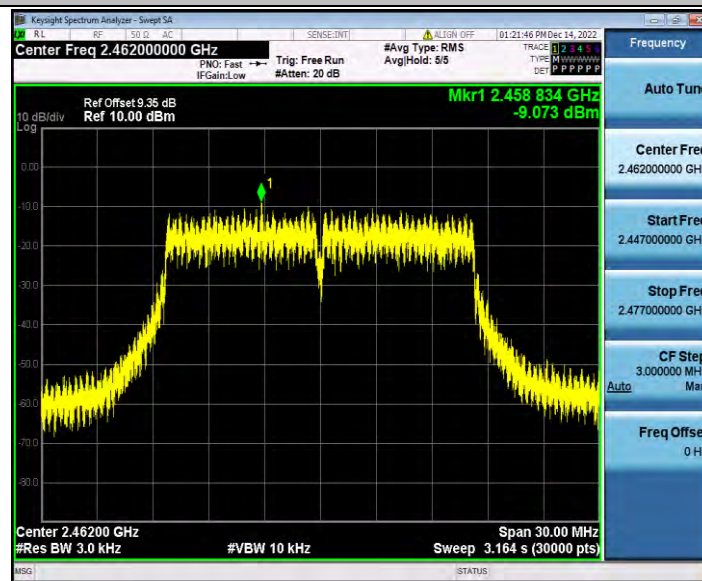
11G_Ant2_2412



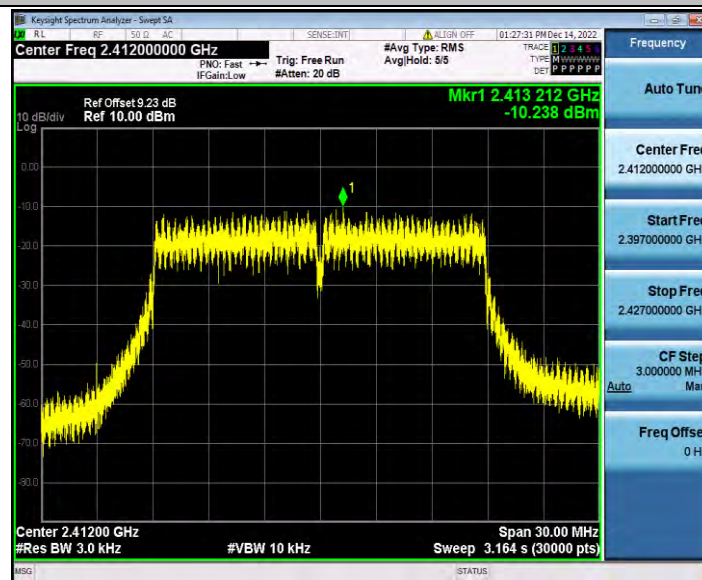
11G_Ant2_2437



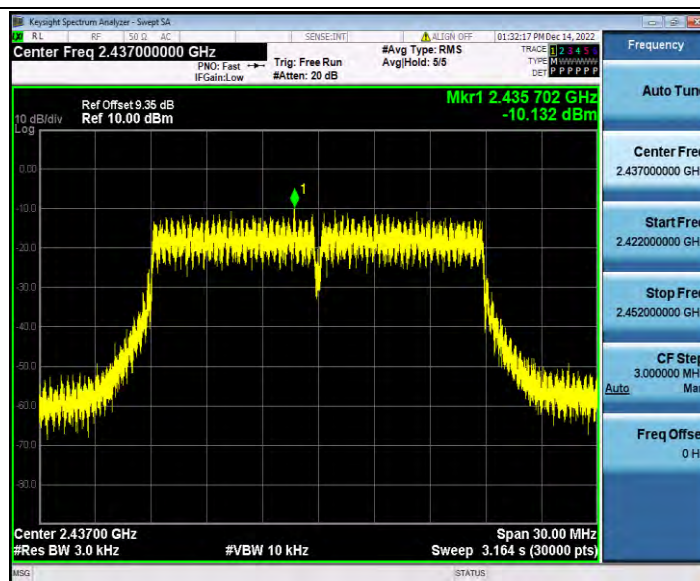
11G_Ant2_2462



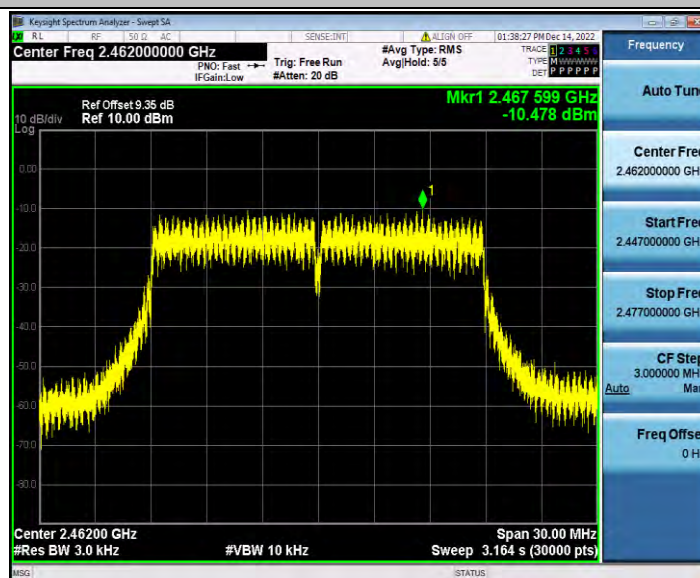
11N20SISO_Ant2_2412



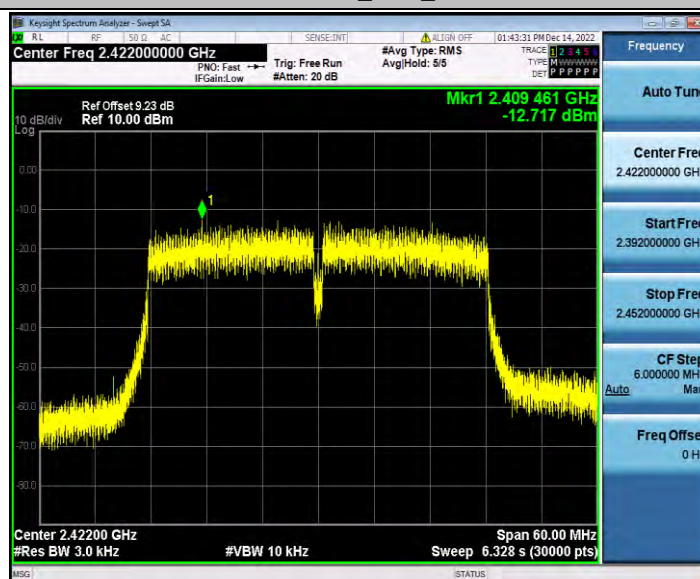
11N20SISO_Ant2_2437



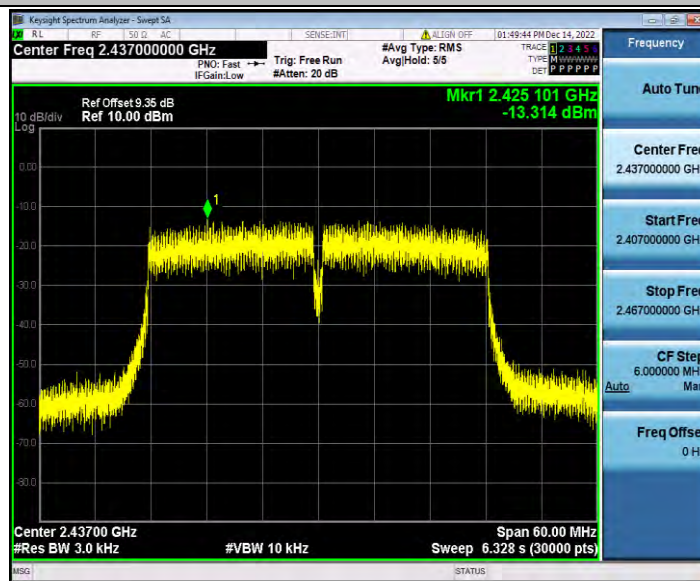
11N20SISO_Ant2_2462



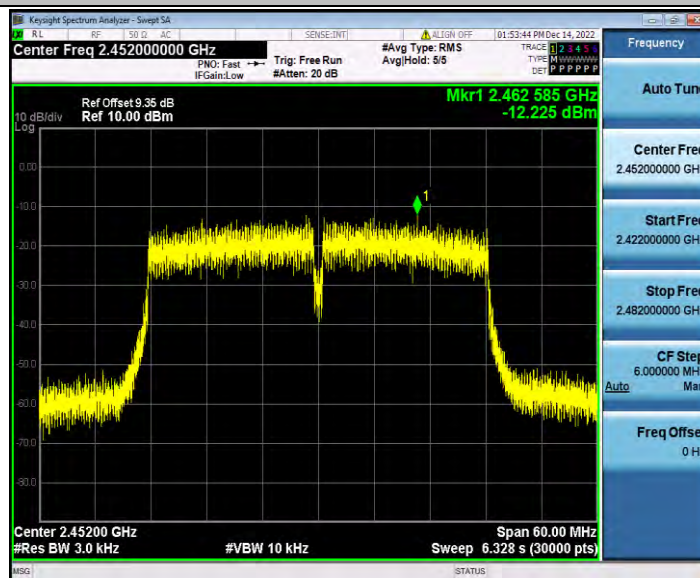
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



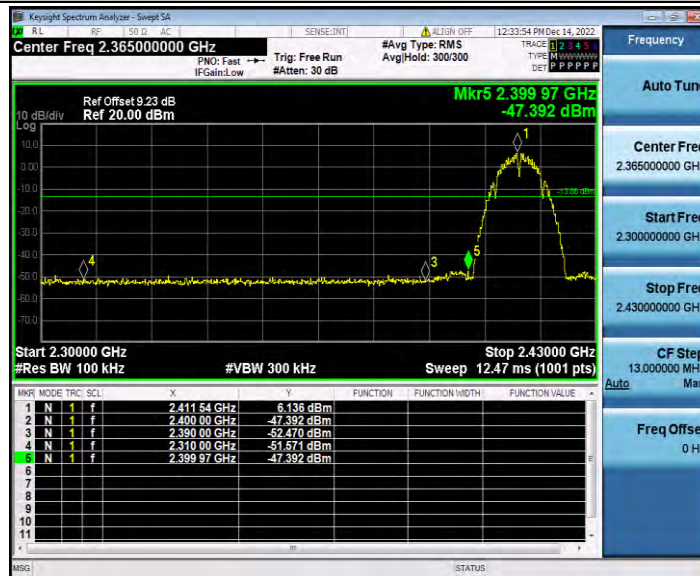
Appendix A.5: Band edge measurements

Test Result

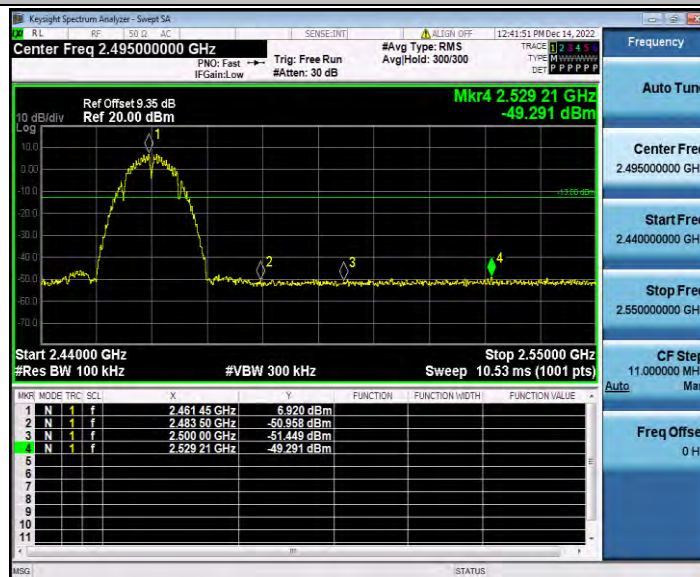
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	6.14	-47.39	≤ -13.86	PASS
		High	2462	6.92	-49.29	≤ -13.08	PASS
11G	Ant2	Low	2412	3.75	-38.34	≤ -16.25	PASS
		High	2462	4.16	-44.52	≤ -15.84	PASS
11N20SISO	Ant2	Low	2412	3.76	-37.46	≤ -16.24	PASS
		High	2462	3.63	-42.26	≤ -16.37	PASS
11N40SISO	Ant2	Low	2422	1.43	-39.06	≤ -18.57	PASS
		High	2452	1.96	-37.88	≤ -18.04	PASS

Test Graphs

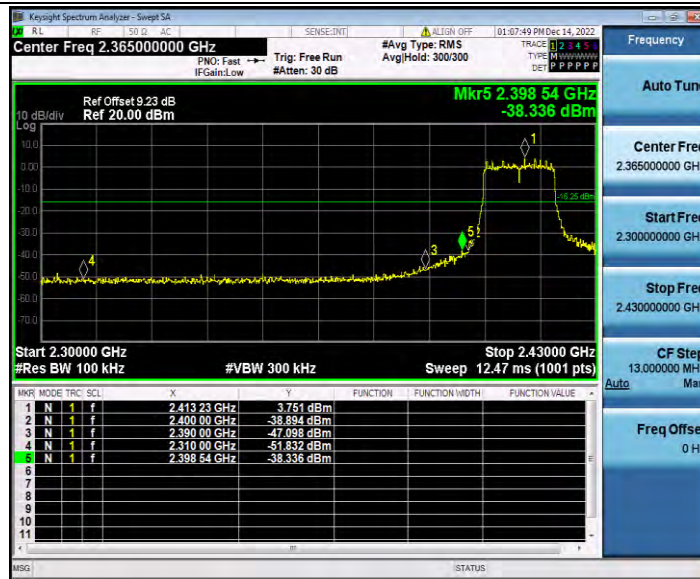
11B_Ant2_Low_2412



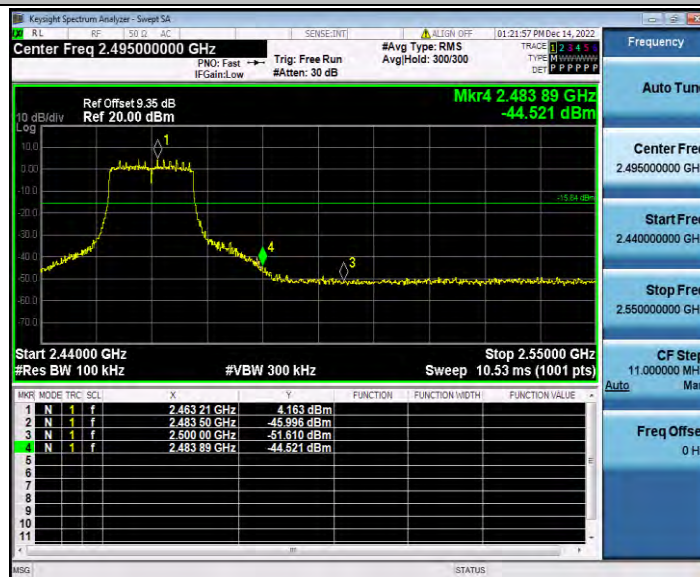
11B_Ant2_High_2462



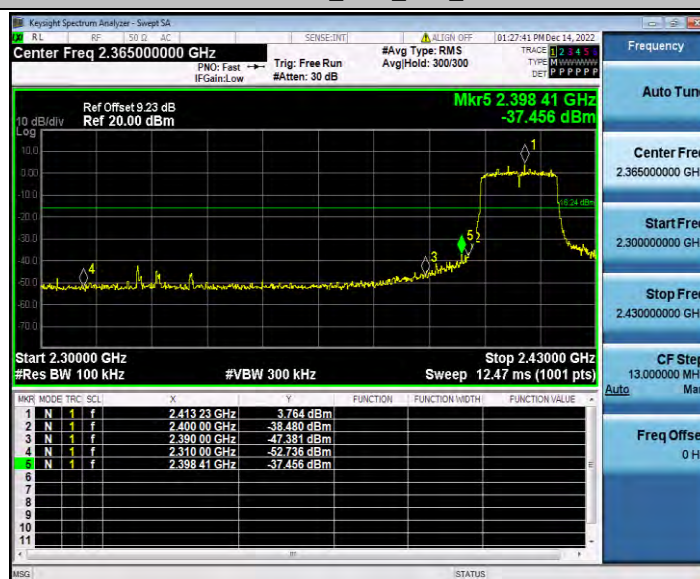
11G_Ant2_Low_2412



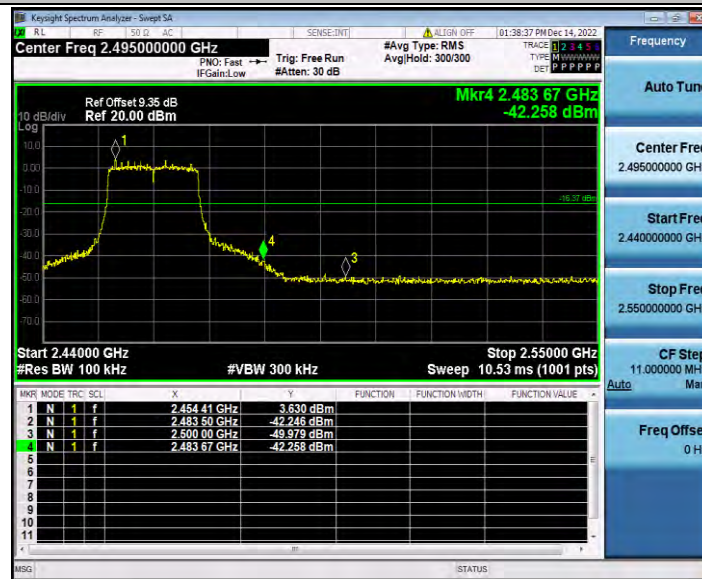
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

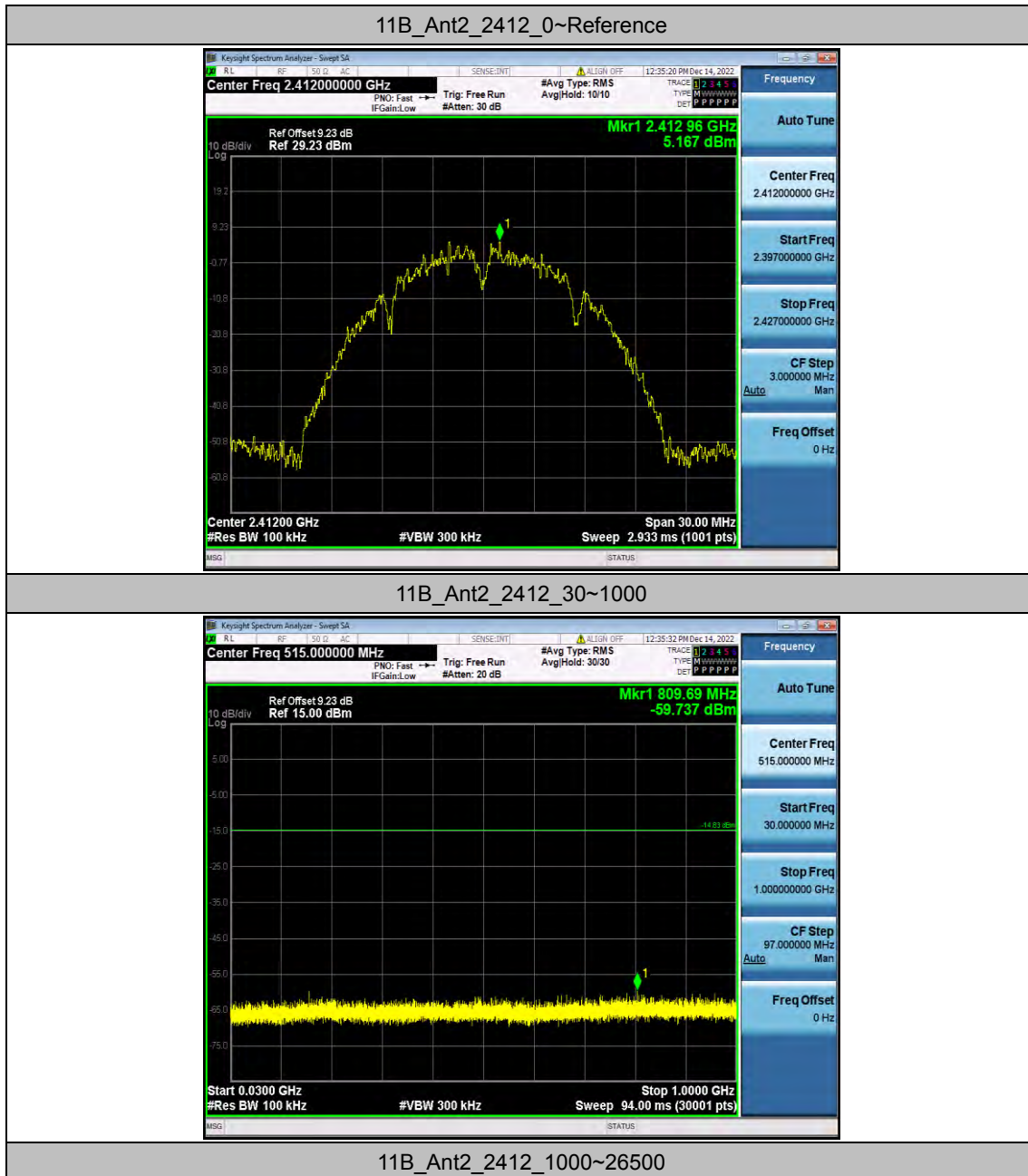


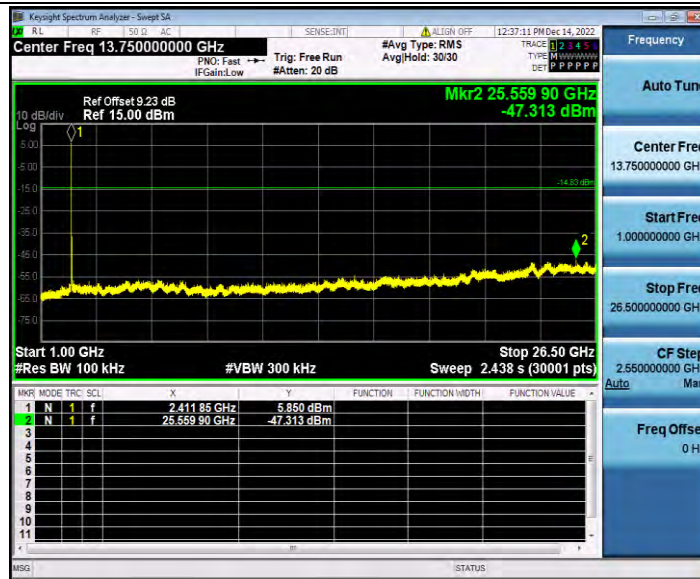
Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	5.17	5.17	---	PASS
			30~1000	5.17	-59.74	≤ -14.83	PASS
			1000~26500	5.17	-47.31	≤ -14.83	PASS
		2437	Reference	5.25	5.25	---	PASS
			30~1000	5.25	-59.8	≤ -14.75	PASS
			1000~26500	5.25	-47.58	≤ -14.75	PASS
		2462	Reference	5.88	5.88	---	PASS
			30~1000	5.88	-59.87	≤ -14.12	PASS
			1000~26500	5.88	-48.12	≤ -14.12	PASS
11G	Ant2	2412	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-58.9	≤ -19.38	PASS
			1000~26500	0.62	-47.86	≤ -19.38	PASS
		2437	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-59.51	≤ -19.39	PASS
			1000~26500	0.61	-47.5	≤ -19.39	PASS
		2462	Reference	3.97	3.97	---	PASS
			30~1000	3.97	-60.14	≤ -16.03	PASS
			1000~26500	3.97	-47.52	≤ -16.03	PASS
11N20SISO	Ant2	2412	Reference	-0.14	-0.14	---	PASS
			30~1000	-0.14	-59.41	≤ -20.14	PASS
			1000~26500	-0.14	-47.38	≤ -20.14	PASS
		2437	Reference	1.01	1.01	---	PASS
			30~1000	1.01	-60.12	≤ -18.99	PASS
			1000~26500	1.01	-46.22	≤ -18.99	PASS
		2462	Reference	1.06	1.06	---	PASS
			30~1000	1.06	-59.64	≤ -18.94	PASS
			1000~26500	1.06	-47.55	≤ -18.94	PASS
11N40SISO	Ant2	2422	Reference	0.77	0.77	---	PASS
			30~1000	0.77	-59.73	≤ -19.23	PASS
			1000~26500	0.77	-47.96	≤ -19.23	PASS
		2437	Reference	-2.03	-2.03	---	PASS
			30~1000	-2.03	-59.06	≤ -22.03	PASS
			1000~26500	-2.03	-47.7	≤ -22.03	PASS
		2452	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-59.51	≤ -18.69	PASS
			1000~26500	1.31	-47.72	≤ -18.69	PASS

Test Graphs

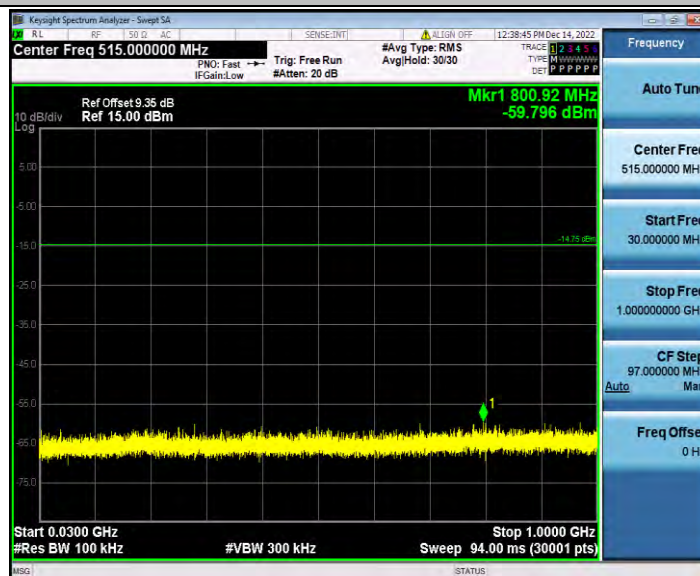




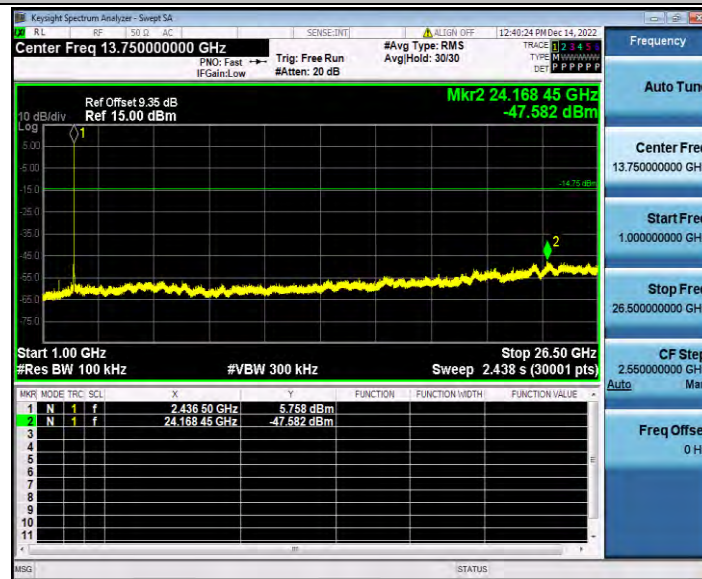
11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



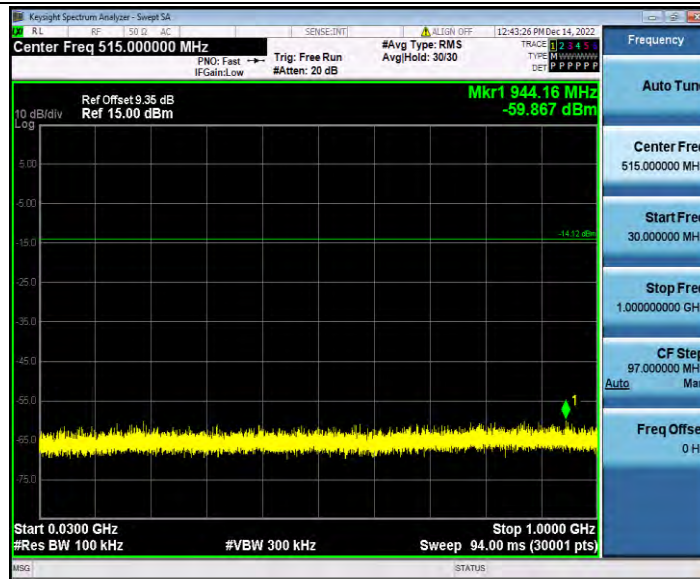
11B_Ant2_2437_1000~26500



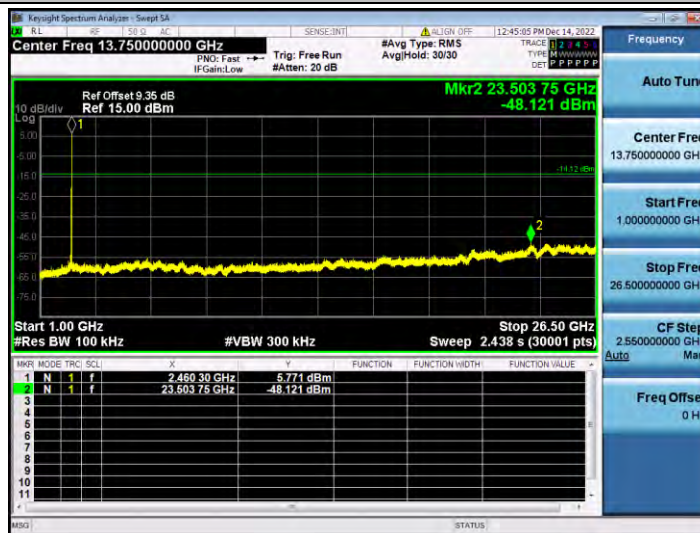
11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



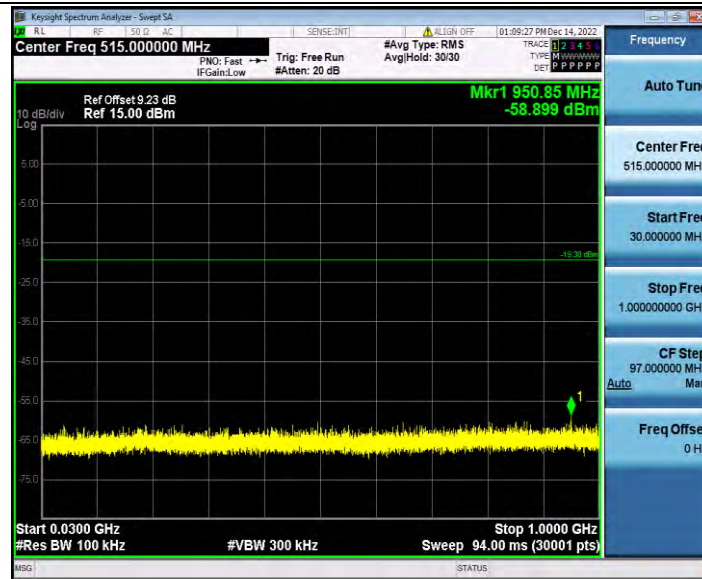
11B_Ant2_2462_1000~26500



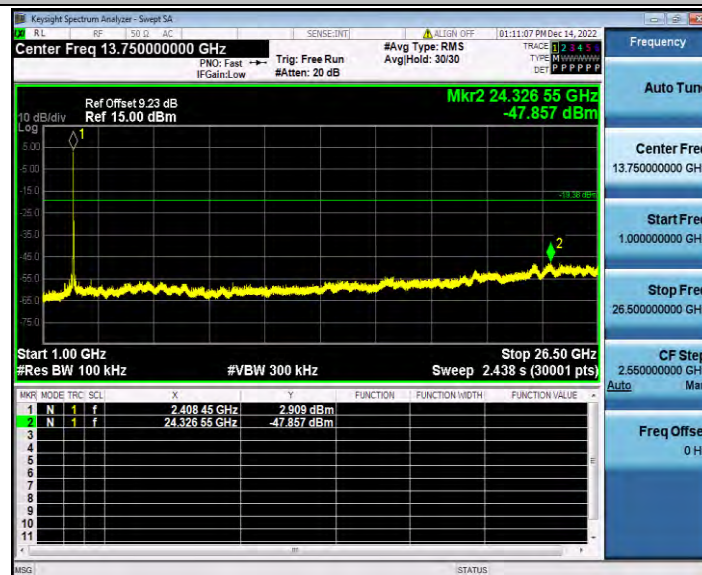
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



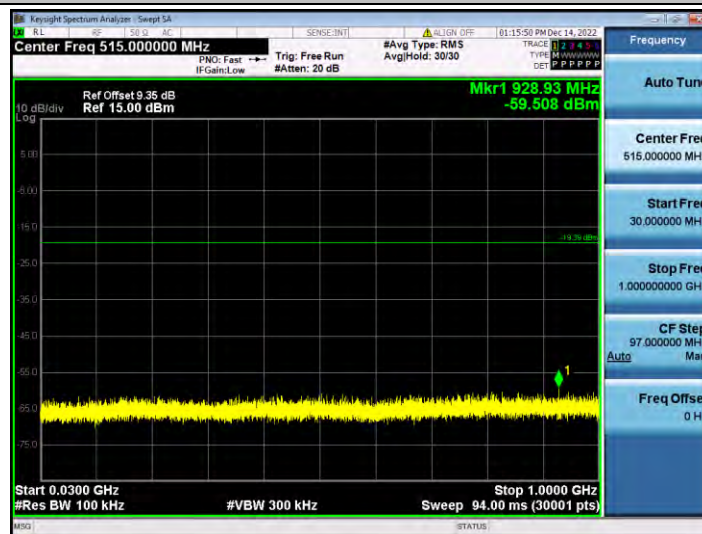
11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



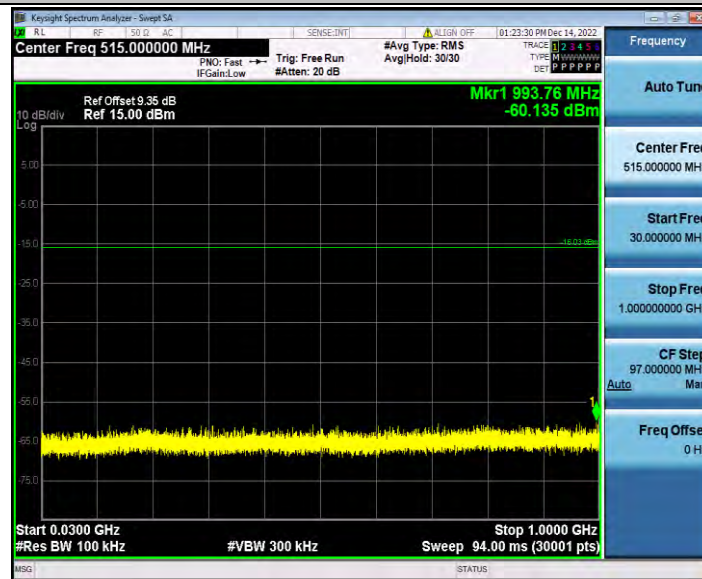
11G_Ant2_2437_1000~26500



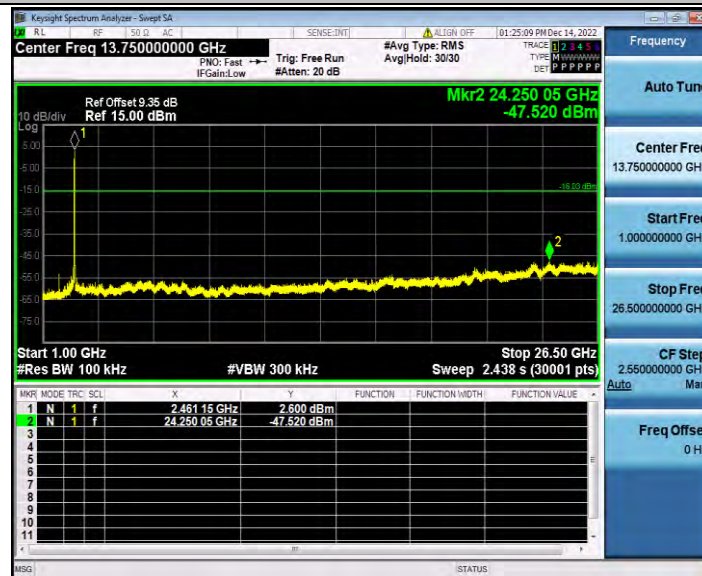
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



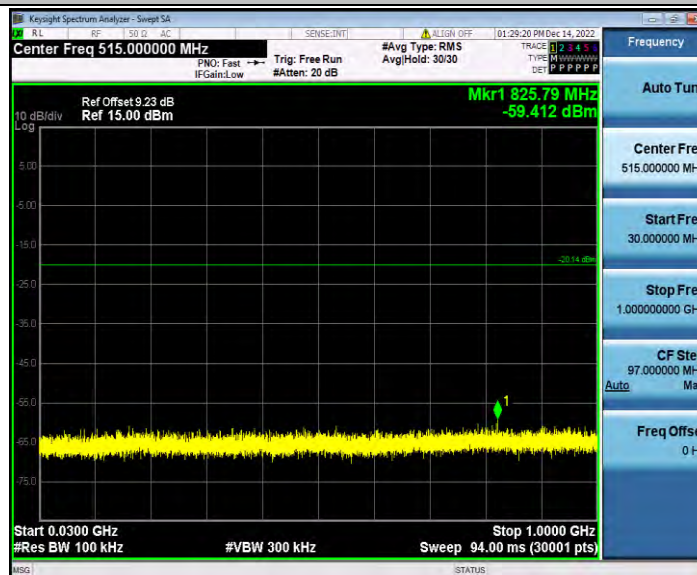
11G_Ant2_2462_1000~26500



11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



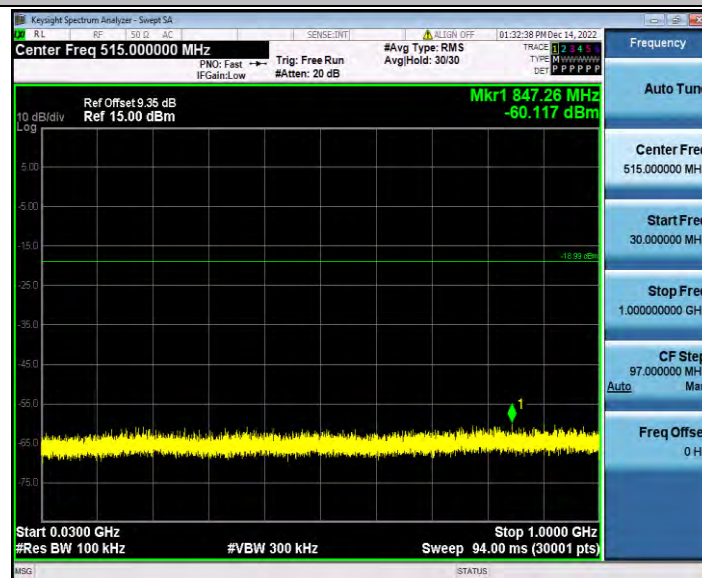
11N20SISO_Ant2_2412_1000~26500



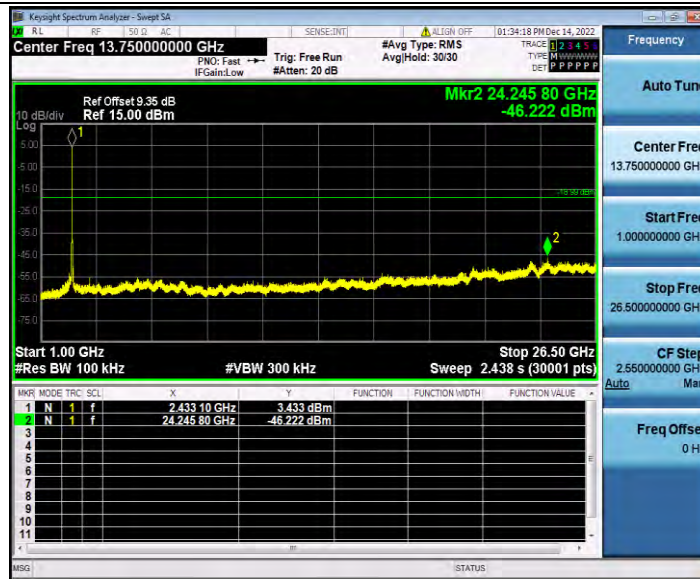
11N20SISO_Ant2_2437_0~Reference



11N20SISO_Ant2_2437_30~1000



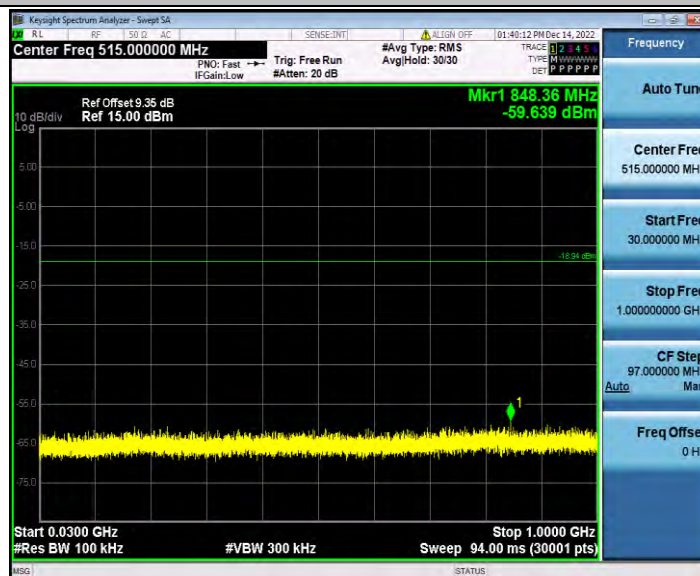
11N20SISO_Ant2_2437_1000~26500



11N20SISO_Ant2_2462_0~Reference



11N20SISO_Ant2_2462_30~1000



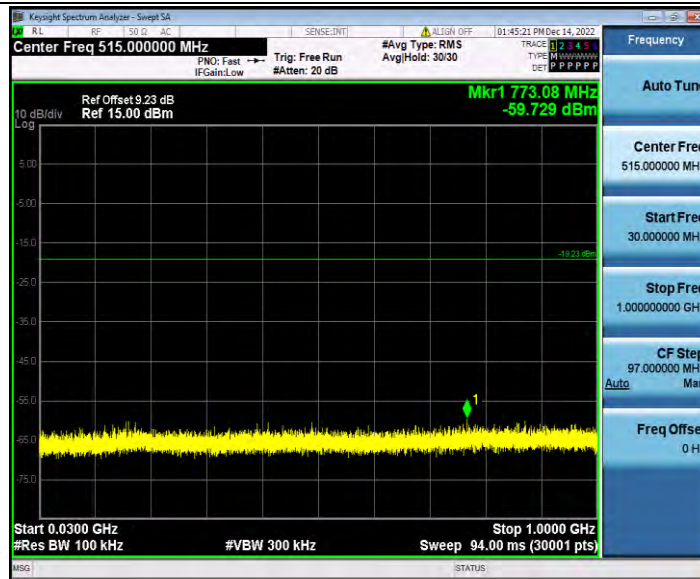
11N20SISO_Ant2_2462_1000~26500



11N40SISO_Ant2_2422_0~Reference



11N40SISO_Ant2_2422_30~1000



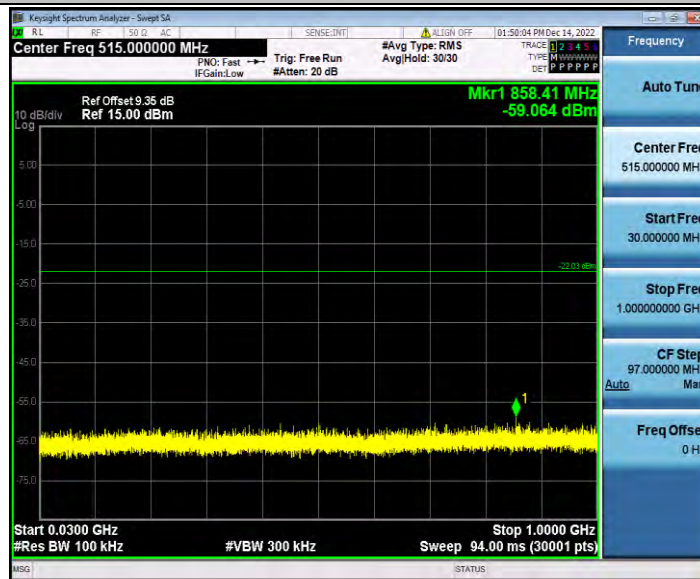
11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



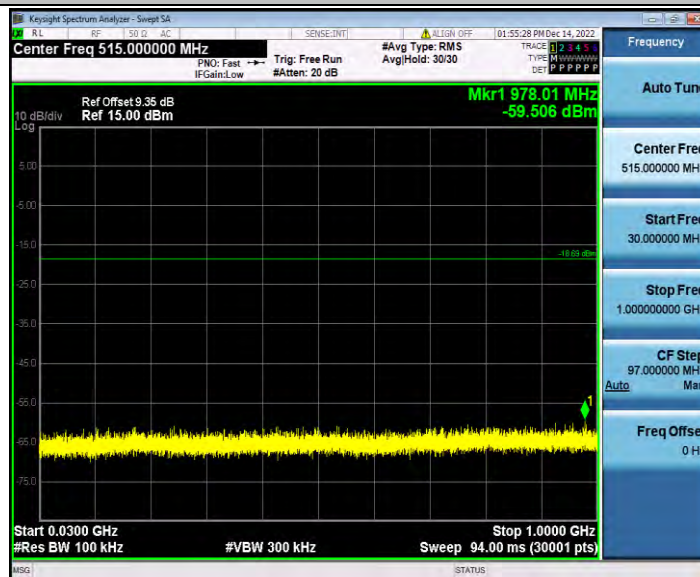
11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



11N40SISO_Ant2_2452_1000~26500

