

Case No. : <u>GTS20221202017-1-8</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.26</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	10.080	2406.960	2417.040	0.5	PASS
		2437	10.120	2431.960	2442.080	0.5	PASS
		2462	10.080	2457.000	2467.080	0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	0.5	PASS
		2437	16.520	2428.760	2445.280	0.5	PASS
		2462	16.520	2453.720	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.760	2403.120	2420.880	0.5	PASS
		2437	17.720	2428.160	2445.880	0.5	PASS
		2462	17.760	2453.120	2470.880	0.5	PASS
11N40SISO	Ant1	2422	36.480	2403.760	2440.240	0.5	PASS
		2437	36.400	2418.840	2455.240	0.5	PASS
		2452	36.400	2433.840	2470.240	0.5	PASS

Test Graphs

11B_Ant1_2412



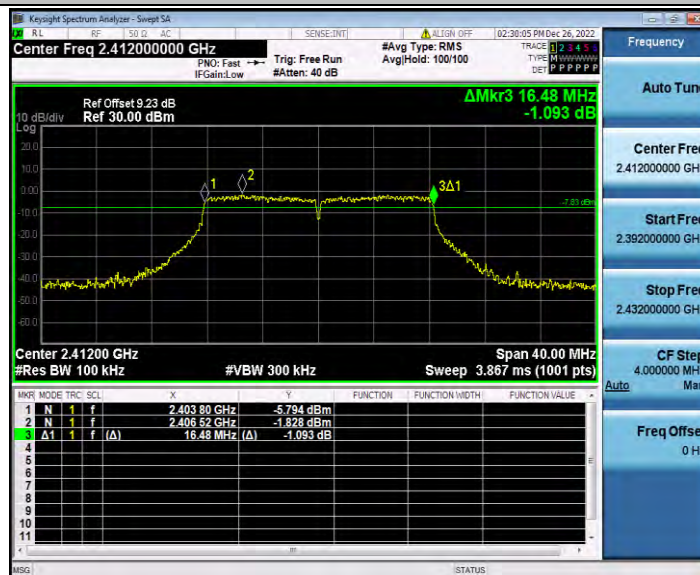
11B_Ant1_2437



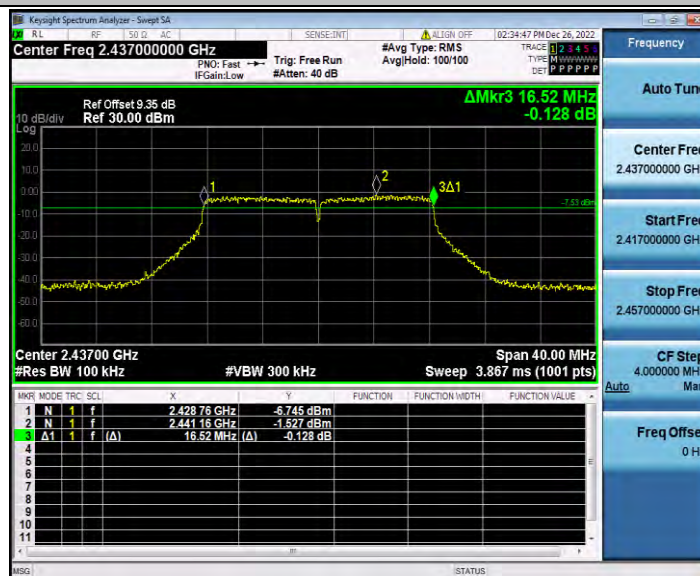
11B_Ant1_2462



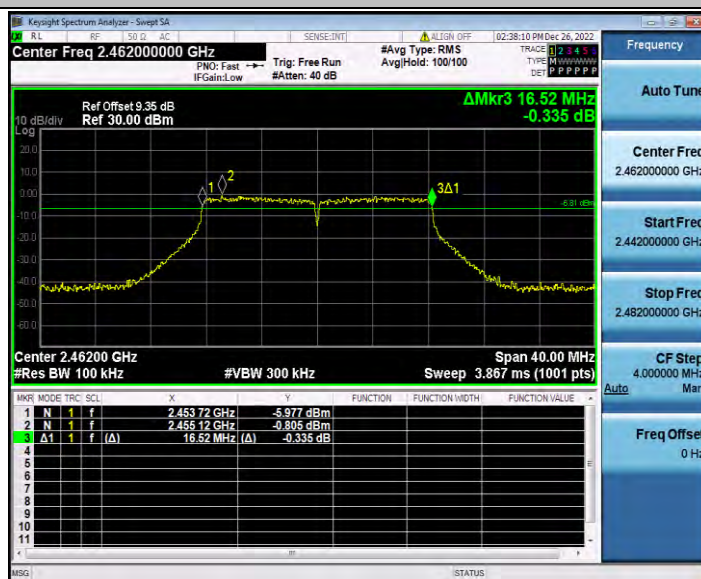
11G_Ant1_2412



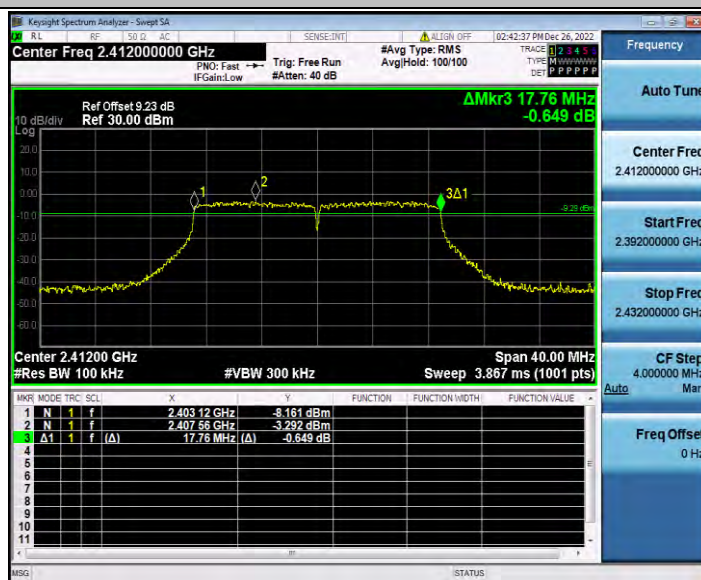
11G_Ant1_2437



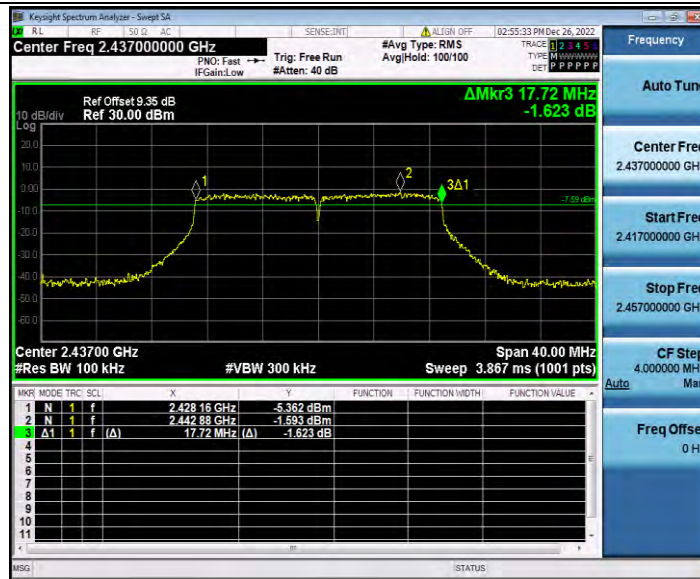
11G_Ant1_2462



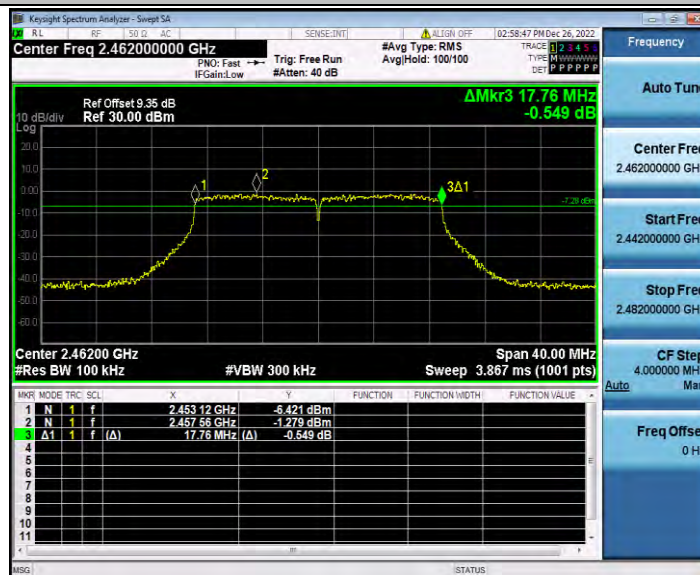
11N20SISO_Ant1_2412



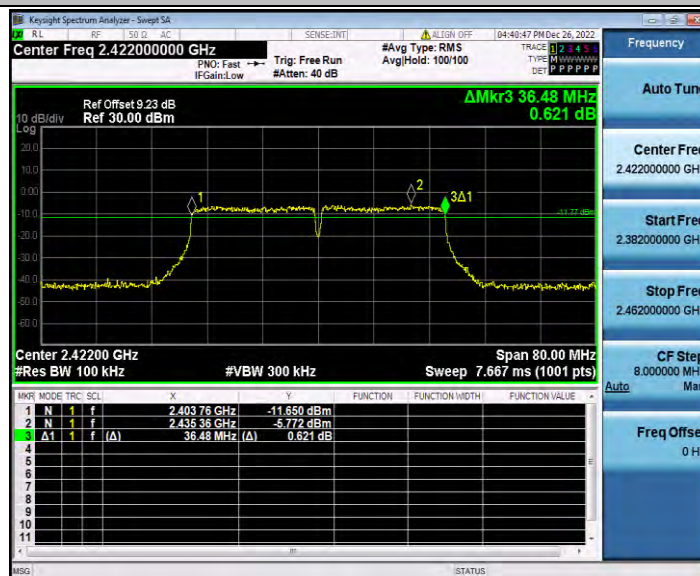
11N20SISO_Ant1_2437



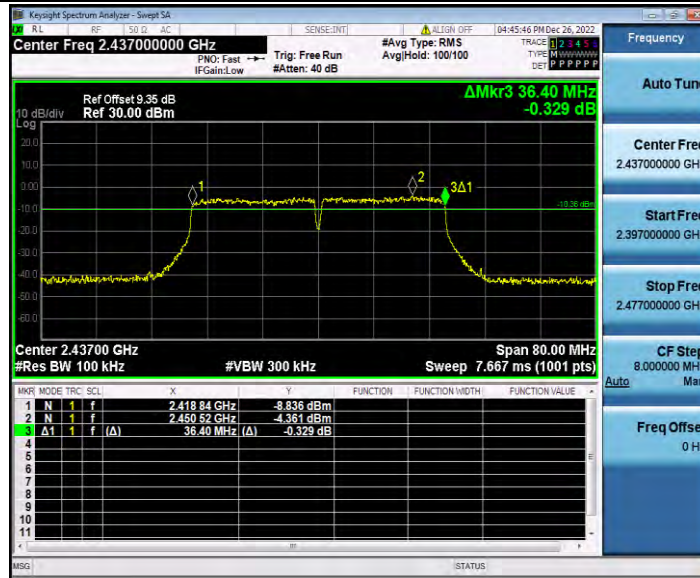
11N20SISO_Ant1_2462



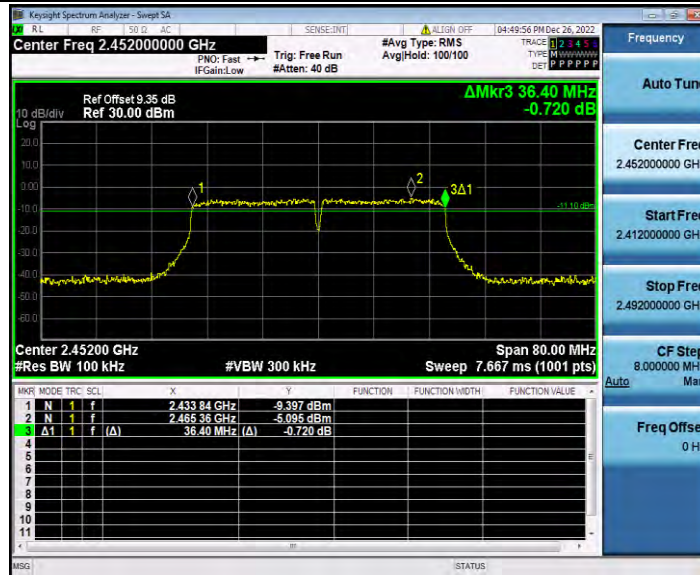
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.2: Occupied Channel Bandwidth

Test Result

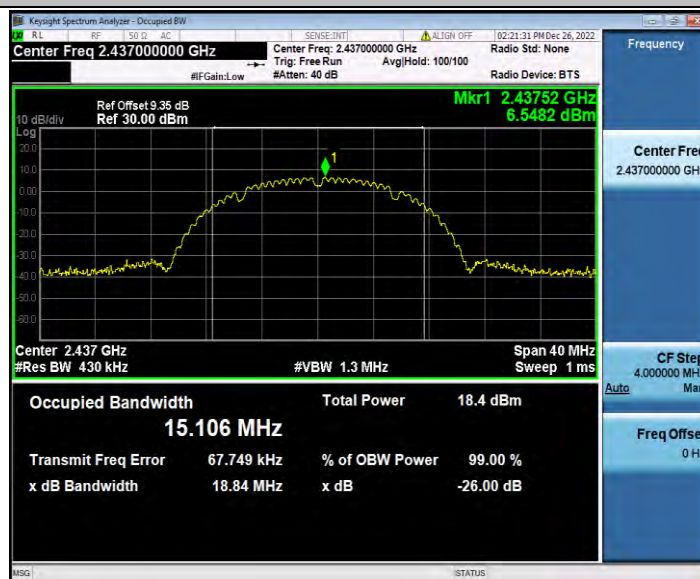
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.128	2404.432	2419.560	---	---
		2437	15.106	2429.515	2444.621	---	---
		2462	15.075	2454.482	2469.557	---	---
11G	Ant1	2412	17.004	2403.467	2420.471	---	---
		2437	16.912	2428.558	2445.470	---	---
		2462	17.076	2453.364	2470.440	---	---
11N20SISO	Ant1	2412	18.046	2402.992	2421.038	---	---
		2437	18.073	2428.000	2446.073	---	---
		2462	18.064	2453.010	2471.074	---	---
11N40SISO	Ant1	2422	36.713	2403.722	2440.435	---	---
		2437	36.585	2418.819	2455.404	---	---
		2452	36.560	2433.802	2470.362	---	---

Test Graphs

11B_Ant1_2412



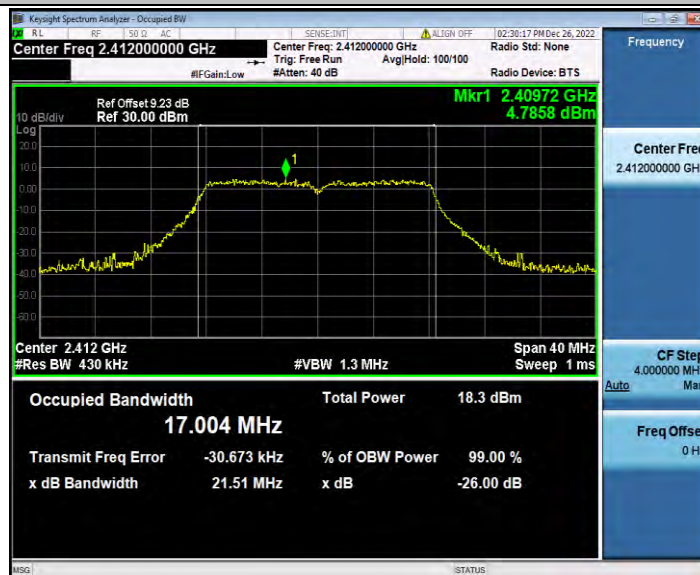
11B_Ant1_2437



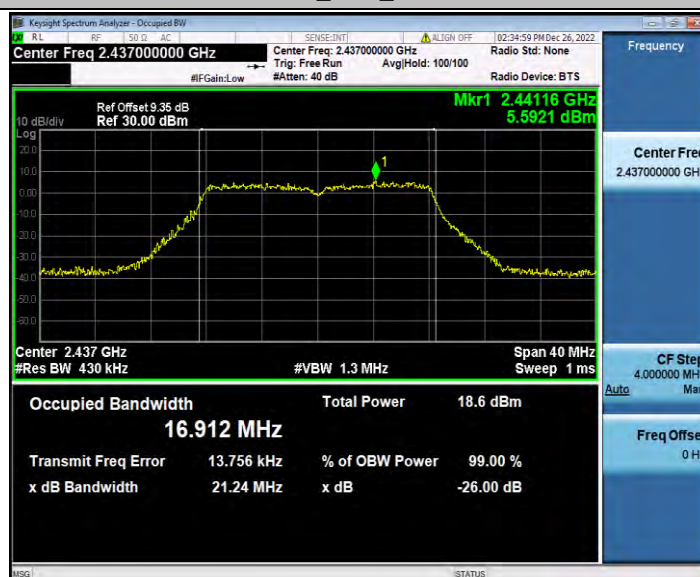
11B_Ant1_2462



11G_Ant1_2412



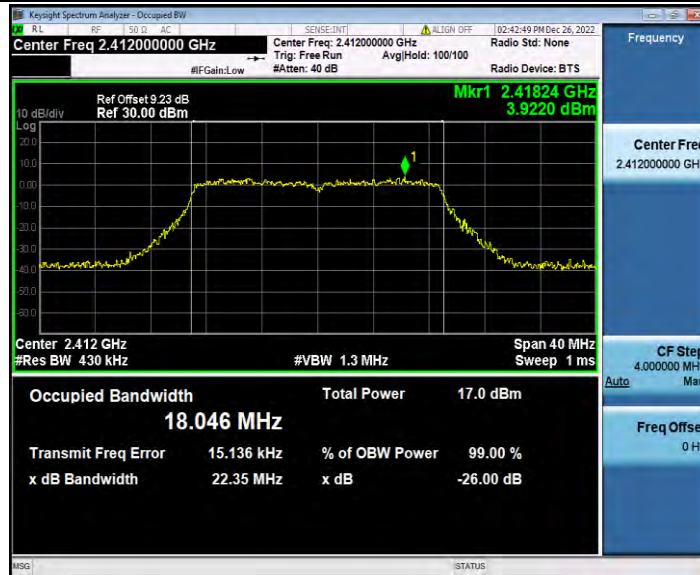
11G_Ant1_2437



11G_Ant1_2462



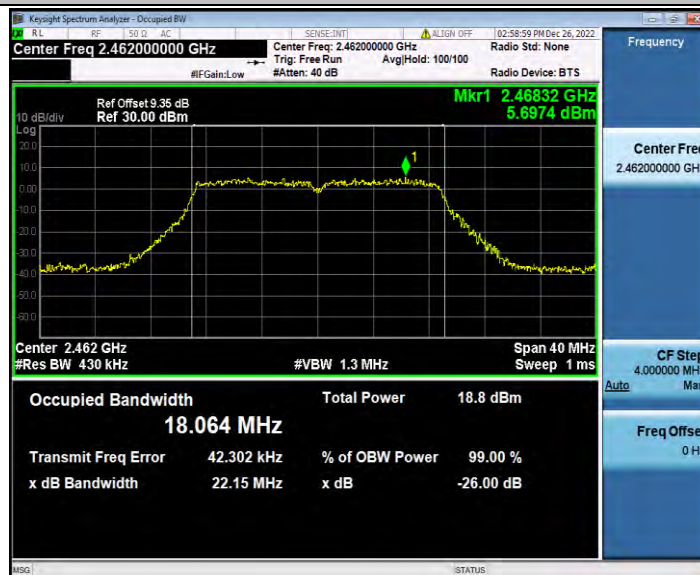
11N20SISO_Ant1_2412



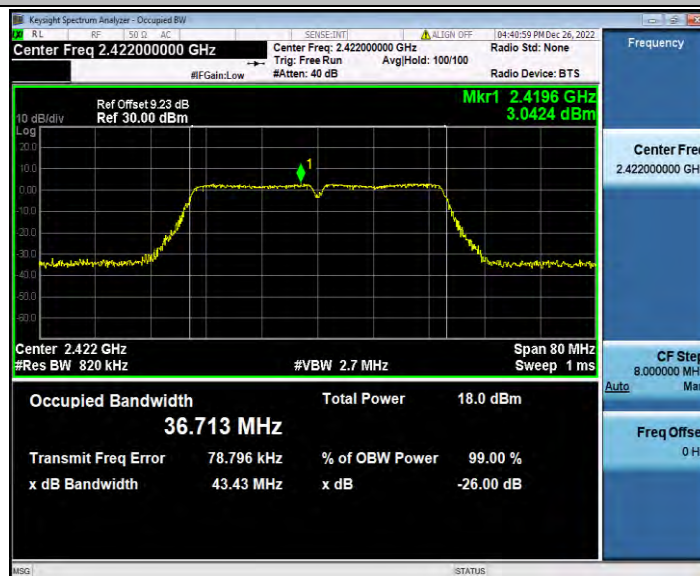
11N20SISO_Ant1_2437



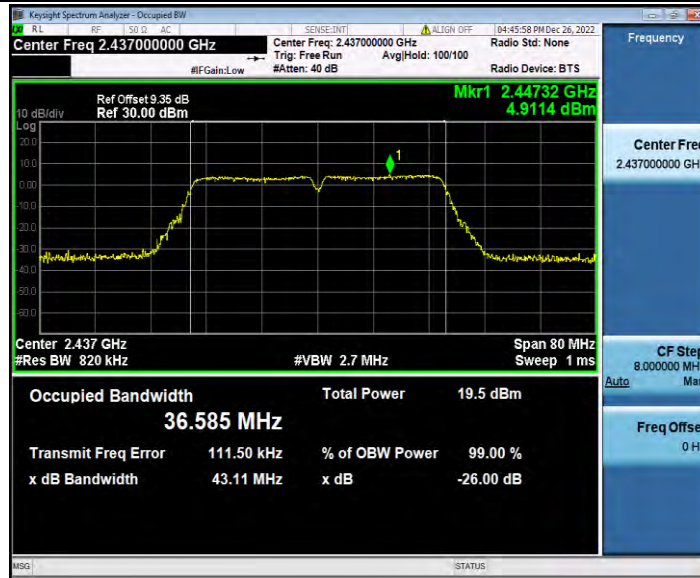
11N20SISO_Ant1_2462



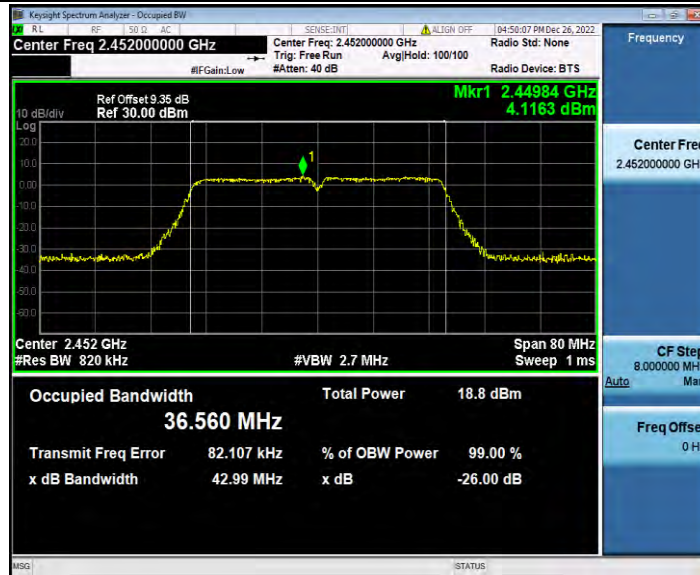
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	19.45	≤30.00	PASS
		2437	18.49	≤30.00	PASS
		2462	19.04	≤30.00	PASS
11G	Ant1	2412	19.58	≤30.00	PASS
		2437	19.66	≤30.00	PASS
		2462	20.17	≤30.00	PASS
11N20SISO	Ant1	2412	18.17	≤30.00	PASS
		2437	19.52	≤30.00	PASS
		2462	20.13	≤30.00	PASS
11N40SISO	Ant1	2422	18.28	≤30.00	PASS
		2437	19.83	≤30.00	PASS
		2452	19.17	≤30.00	PASS

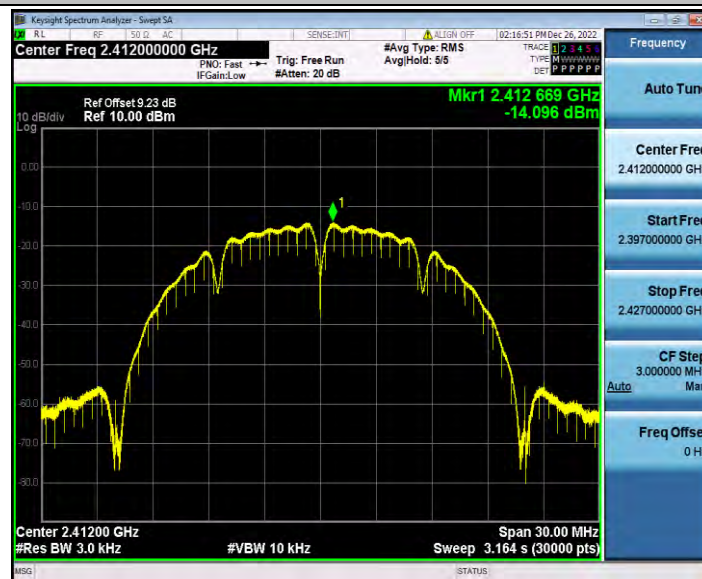
Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.1	≤8.00	PASS
		2437	-14.8	≤8.00	PASS
		2462	-14.23	≤8.00	PASS
11G	Ant1	2412	-15.66	≤8.00	PASS
		2437	-15.94	≤8.00	PASS
		2462	-14.75	≤8.00	PASS
11N20SISO	Ant1	2412	-15.86	≤8.00	PASS
		2437	-14.07	≤8.00	PASS
		2462	-13.79	≤8.00	PASS
11N40SISO	Ant1	2422	-18.97	≤8.00	PASS
		2437	-15.78	≤8.00	PASS
		2452	-17.36	≤8.00	PASS

Test Graphs

11B_Ant1_2412



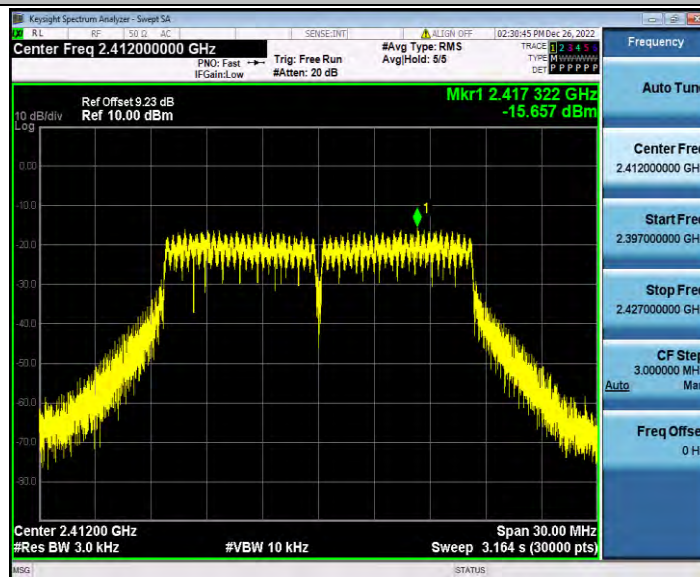
11B_Ant1_2437



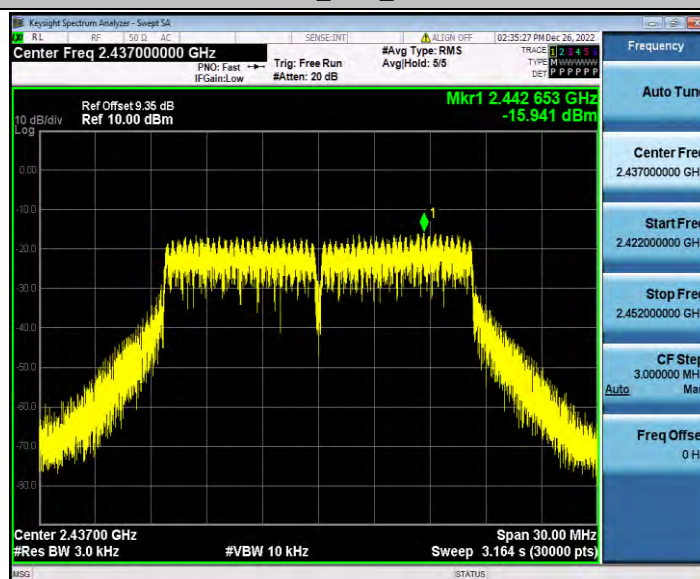
11B_Ant1_2462



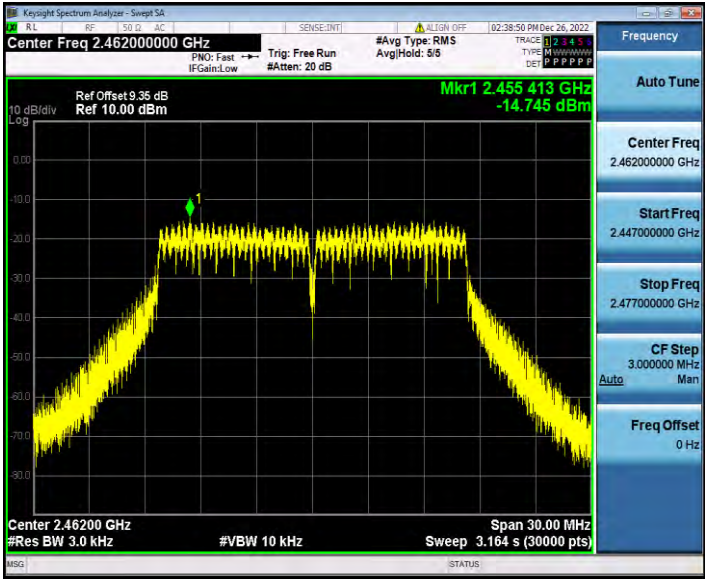
11G_Ant1_2412



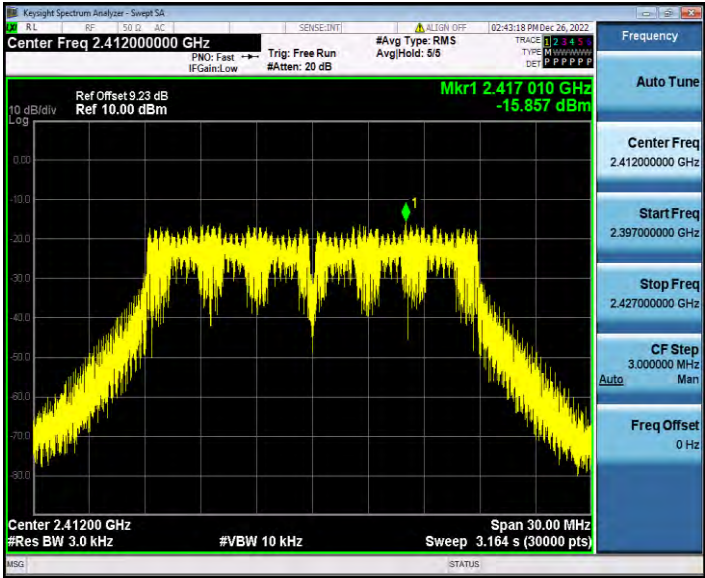
11G_Ant1_2437



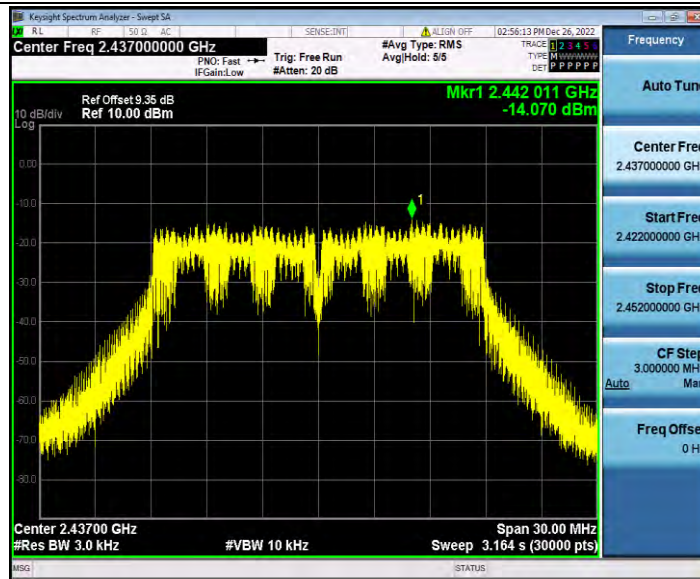
11G_Ant1_2462



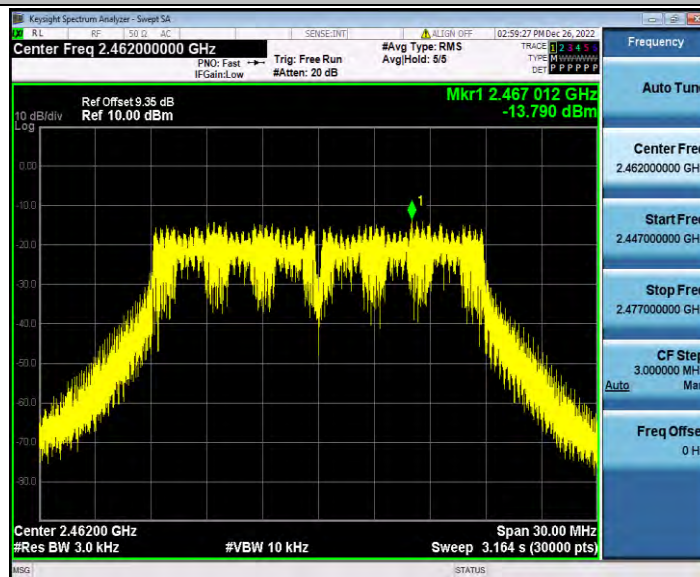
11N20SISO_Ant1_2412



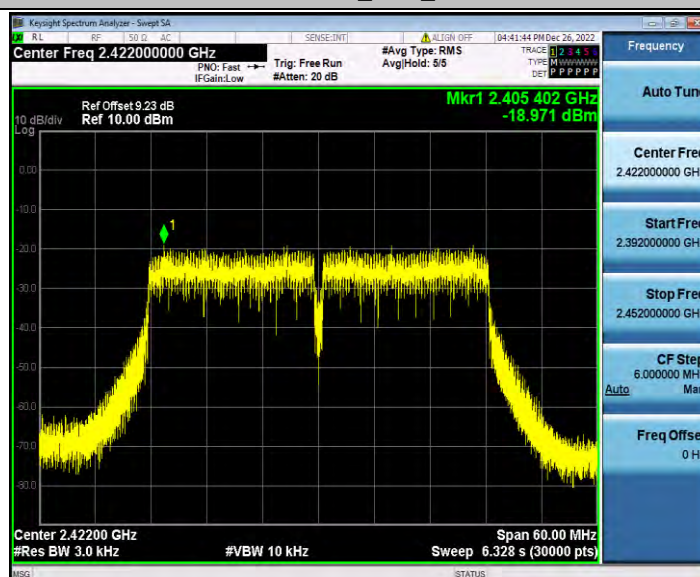
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



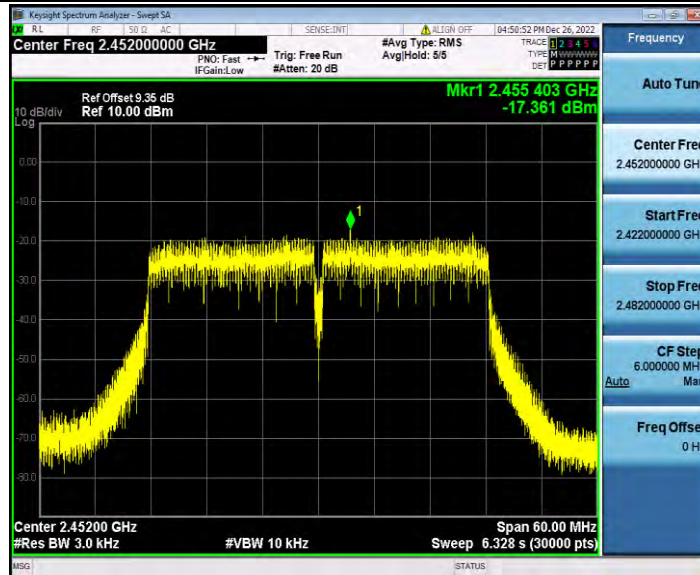
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



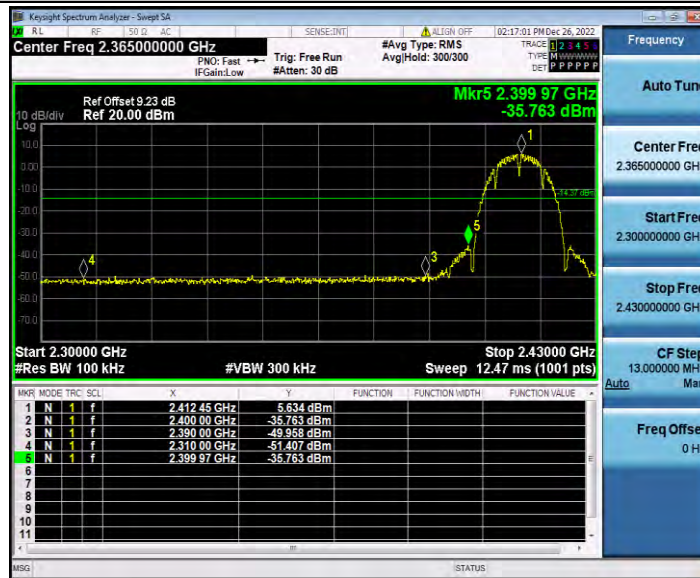
Appendix A.5: Band edge measurements

Test Result

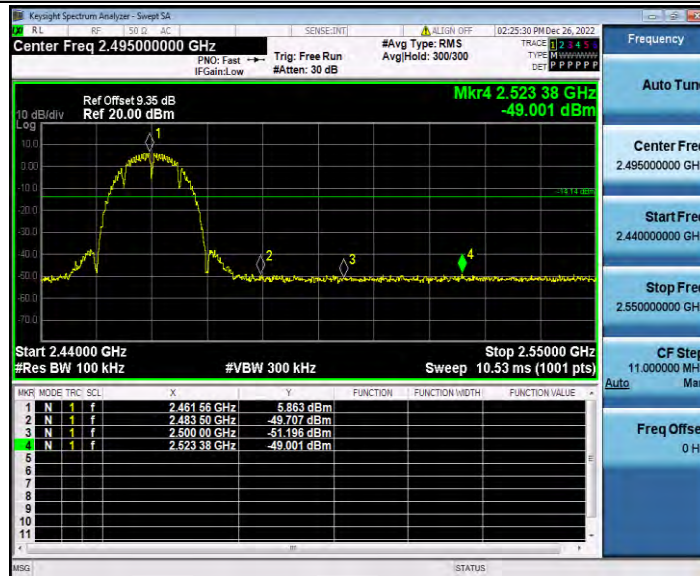
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.63	-35.76	≤-14.37	PASS
		High	2462	5.86	-49	≤-14.14	PASS
11G	Ant1	Low	2412	-1.55	-34.87	≤-21.55	PASS
		High	2462	-0.91	-48.88	≤-20.91	PASS
11N20SISO	Ant1	Low	2412	-2.94	-38.61	≤-22.94	PASS
		High	2462	-1.25	-49.11	≤-21.25	PASS
11N40SISO	Ant1	Low	2422	-5.92	-39.62	≤-25.92	PASS
		High	2452	-5.05	-47.94	≤-25.05	PASS

Test Graphs

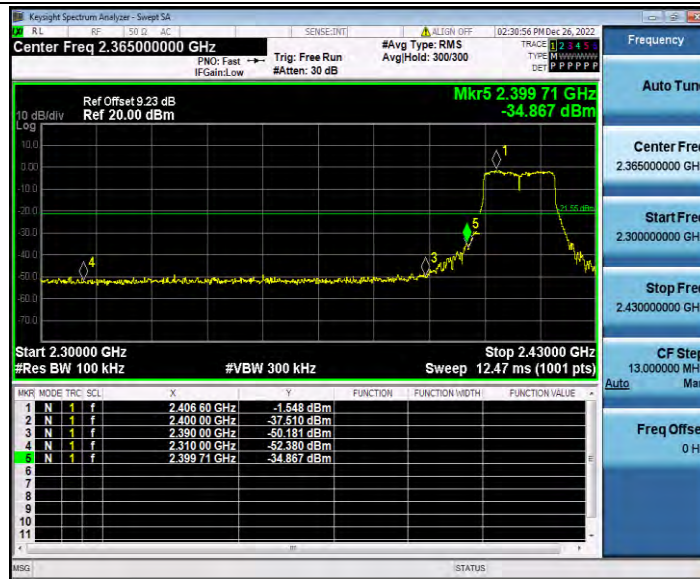
11B_Ant1_Low_2412



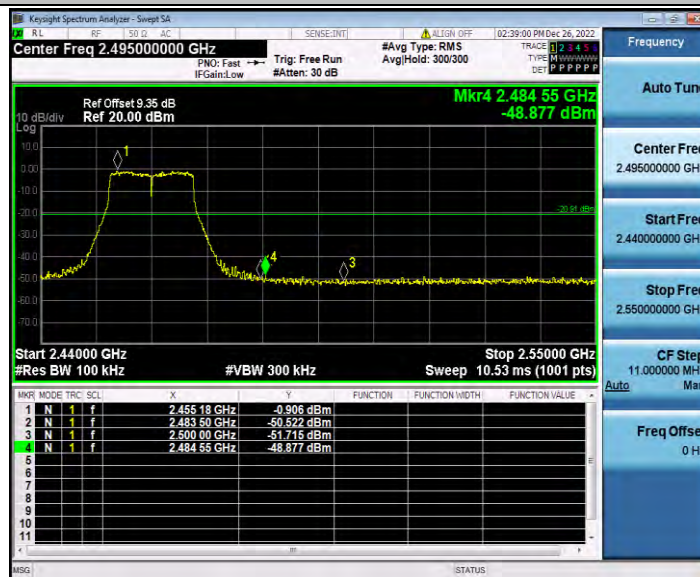
11B_Ant1_High_2462



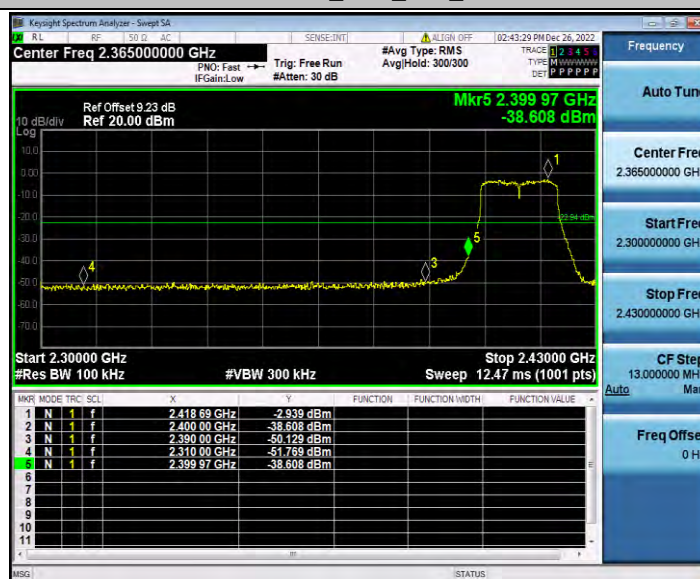
11G_Ant1_Low_2412



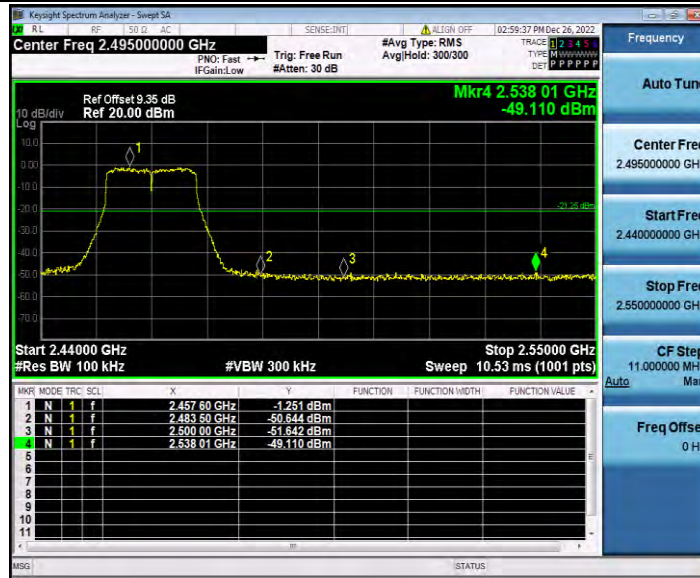
11G_Ant1_High_2462



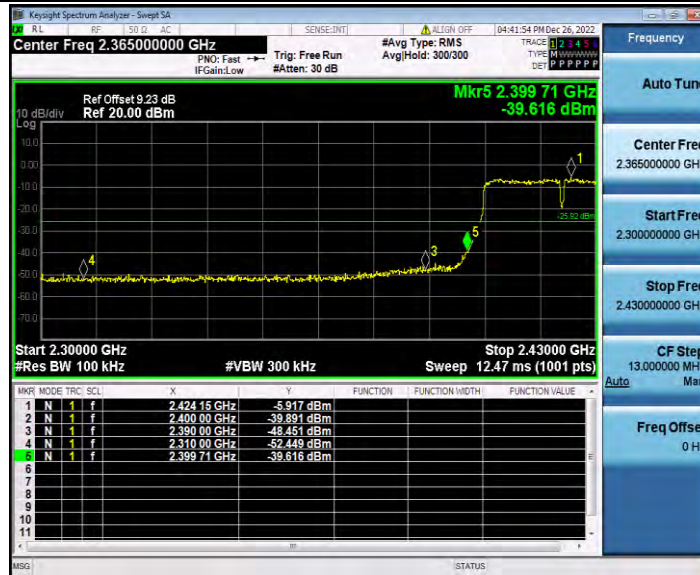
11N20SISO_Ant1_Low_2412



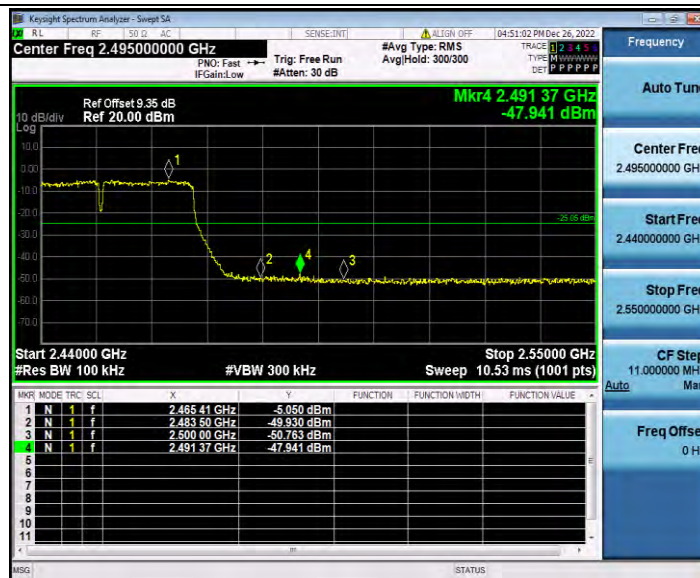
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix A.6: Conducted Spurious Emission

Test Result

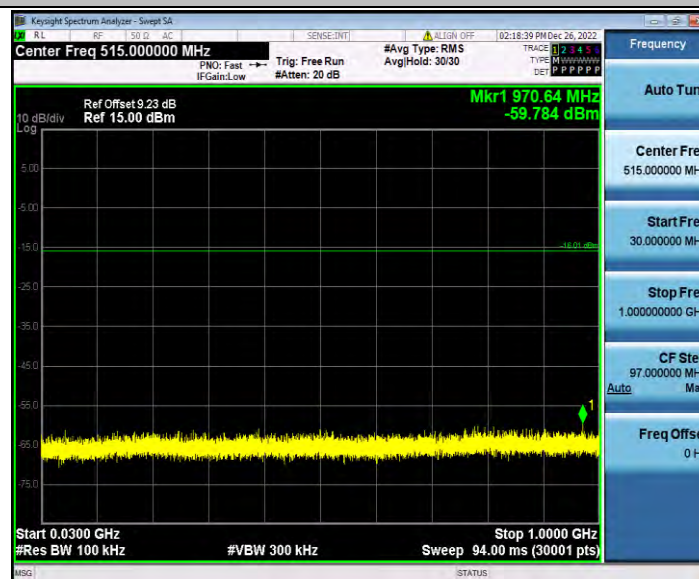
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.99	3.99	---	PASS
			30~1000	3.99	-59.78	≤ -16.01	PASS
			1000~26500	3.99	-47.6	≤ -16.01	PASS
		2437	Reference	4.49	4.49	---	PASS
			30~1000	4.49	-59.29	≤ -15.51	PASS
			1000~26500	4.49	-46.84	≤ -15.51	PASS
		2462	Reference	6.04	6.04	---	PASS
			30~1000	6.04	-60.12	≤ -13.96	PASS
			1000~26500	6.04	-47.78	≤ -13.96	PASS
11G	Ant1	2412	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-60.84	≤ -21.85	PASS
			1000~26500	-1.85	-48.14	≤ -21.85	PASS
		2437	Reference	-1.84	-1.84	---	PASS
			30~1000	-1.84	-60.42	≤ -21.84	PASS
			1000~26500	-1.84	-47.09	≤ -21.84	PASS
		2462	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-60.48	≤ -21.21	PASS
			1000~26500	-1.21	-46.11	≤ -21.21	PASS
11N20SISO	Ant1	2412	Reference	-3.48	-3.48	---	PASS
			30~1000	-3.48	-60.76	≤ -23.48	PASS
			1000~26500	-3.48	-47.85	≤ -23.48	PASS
		2437	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-60.23	≤ -21.83	PASS
			1000~26500	-1.83	-47.1	≤ -21.83	PASS
		2462	Reference	-2.19	-2.19	---	PASS
			30~1000	-2.19	-59.71	≤ -22.19	PASS
			1000~26500	-2.19	-28.44	≤ -22.19	PASS
11N40SISO	Ant1	2422	Reference	-6.40	-6.40	---	PASS
			30~1000	-6.40	-59.93	≤ -26.4	PASS
			1000~26500	-6.40	-47.27	≤ -26.4	PASS
		2437	Reference	-4.69	-4.69	---	PASS
			30~1000	-4.69	-59.71	≤ -24.69	PASS
			1000~26500	-4.69	-47.47	≤ -24.69	PASS
		2452	Reference	-5.62	-5.62	---	PASS
			30~1000	-5.62	-60.18	≤ -25.62	PASS
			1000~26500	-5.62	-47.48	≤ -25.62	PASS

Test Graphs

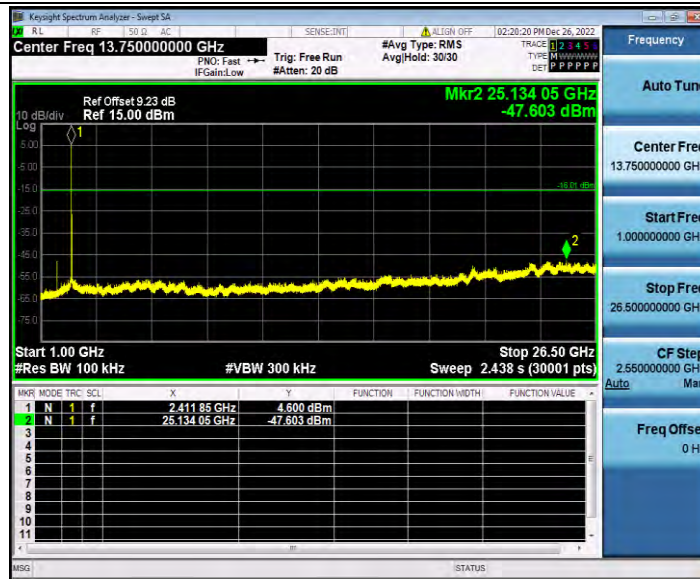
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



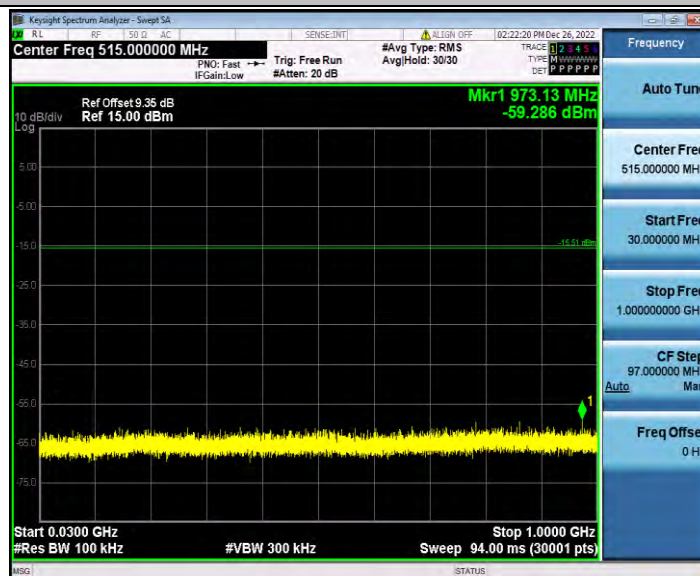
11B_Ant1_2412_1000~26500



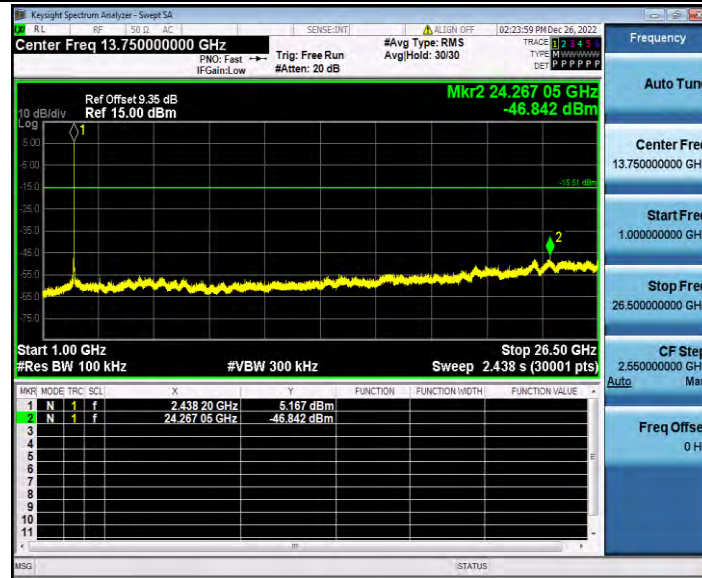
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



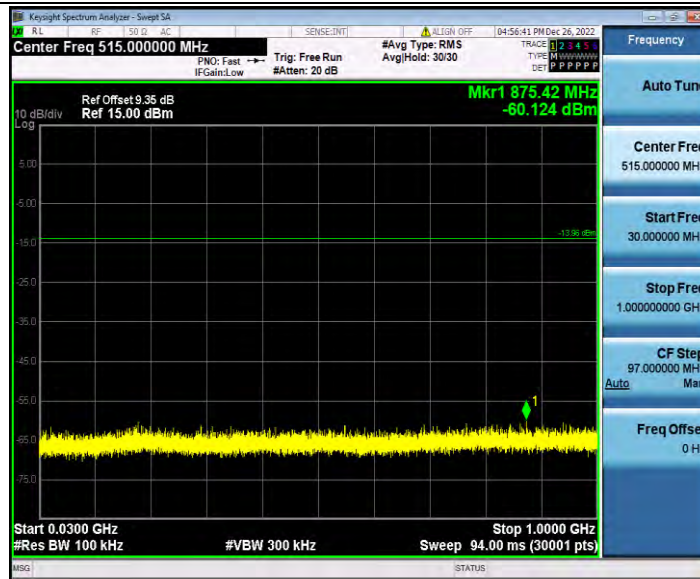
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



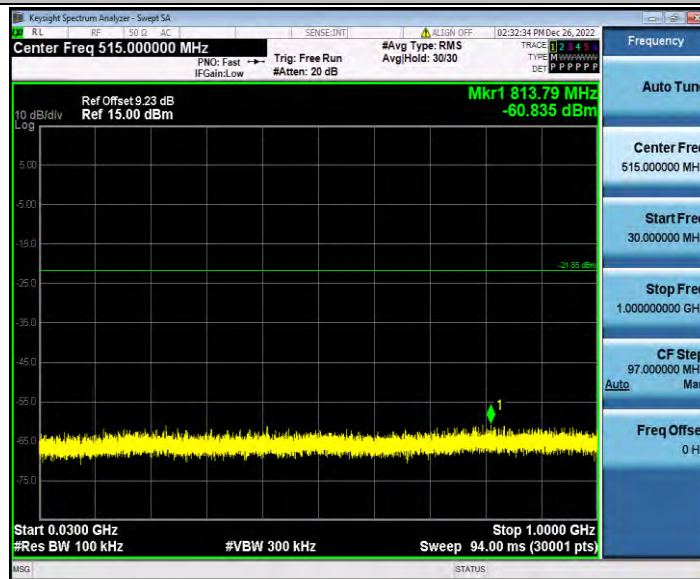
11B_Ant1_2462_1000~26500



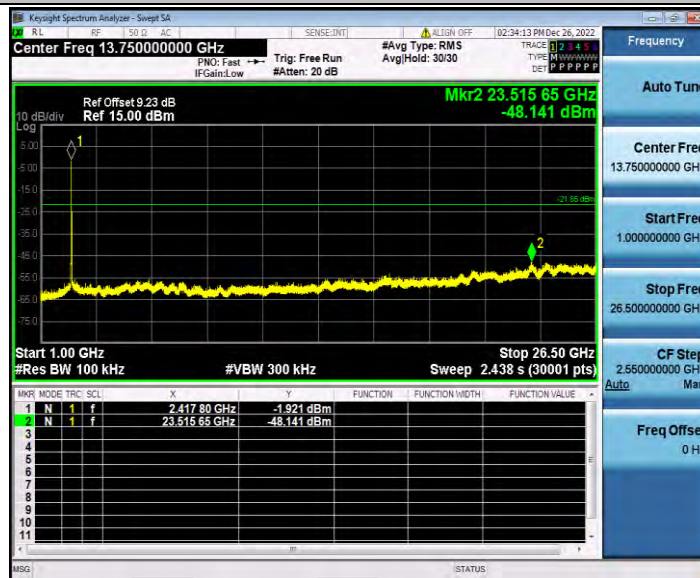
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



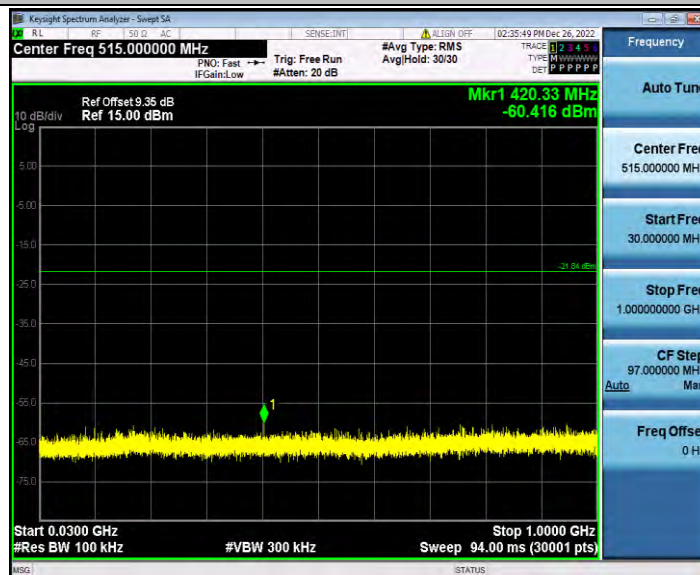
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



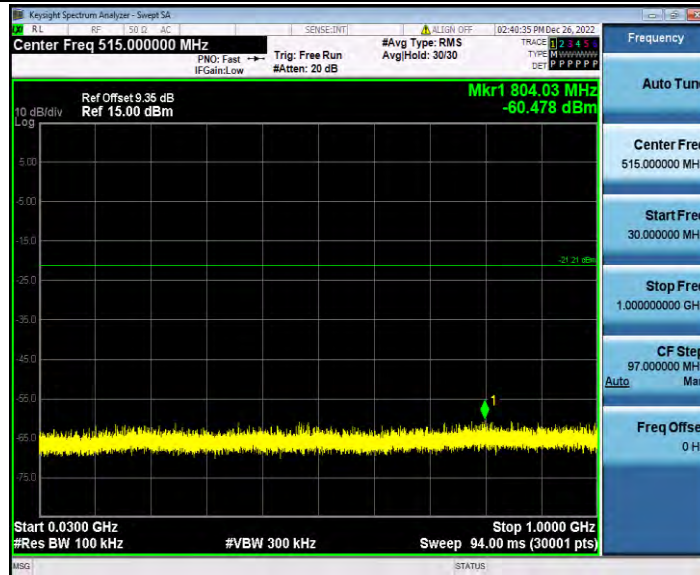
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



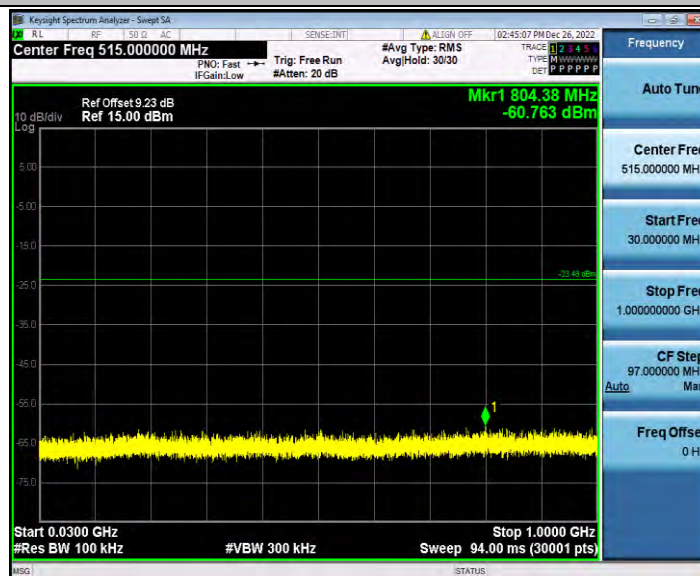
11G_Ant1_2462_1000~26500



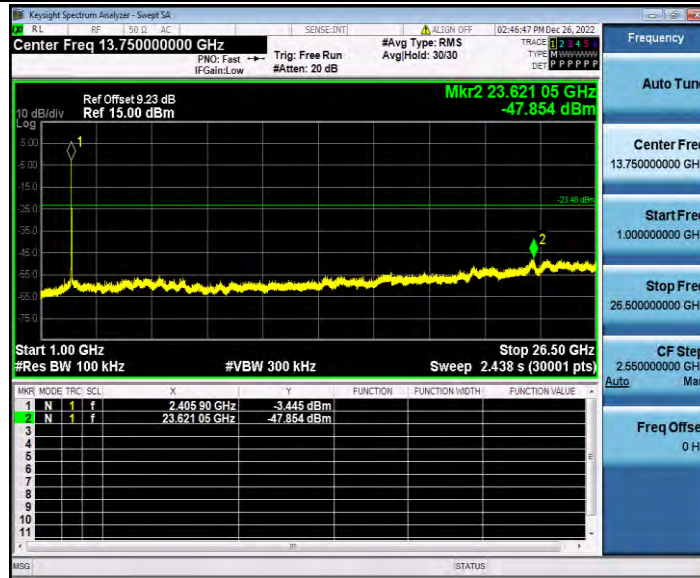
11N20SISO_Ant1_2412_0~Reference



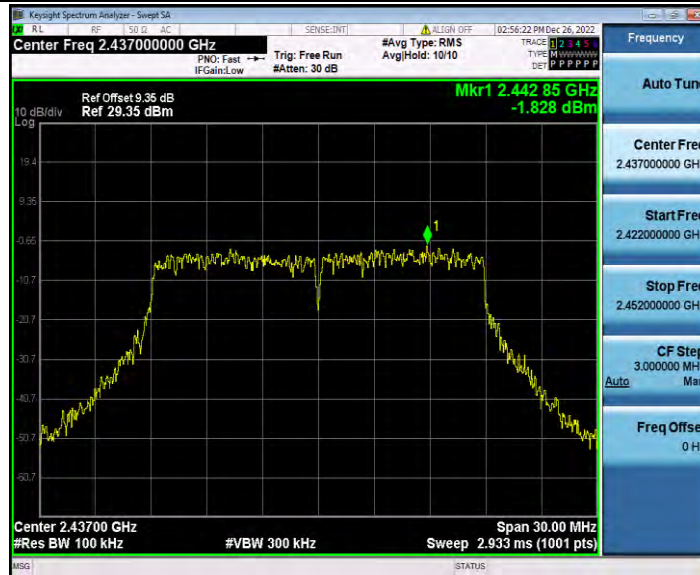
11N20SISO_Ant1_2412_30~1000



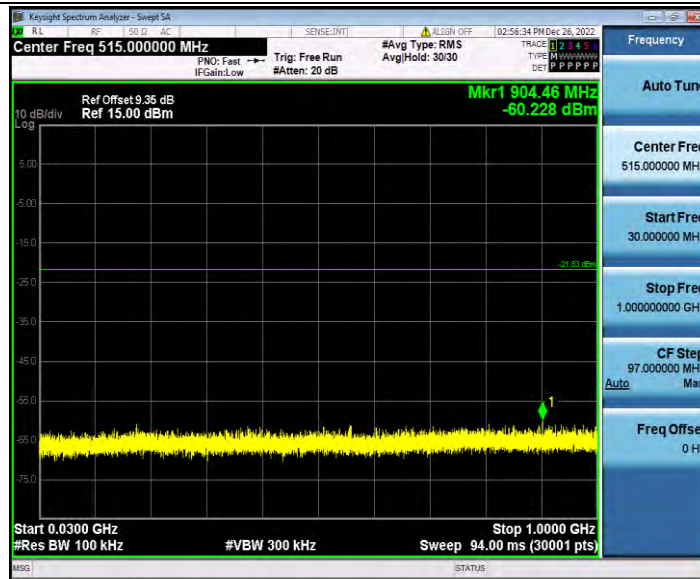
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



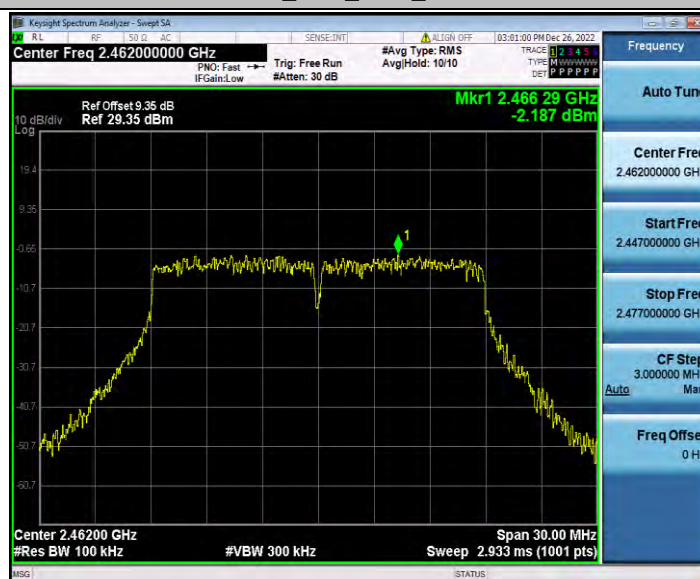
11N20SISO_Ant1_2437_30~1000



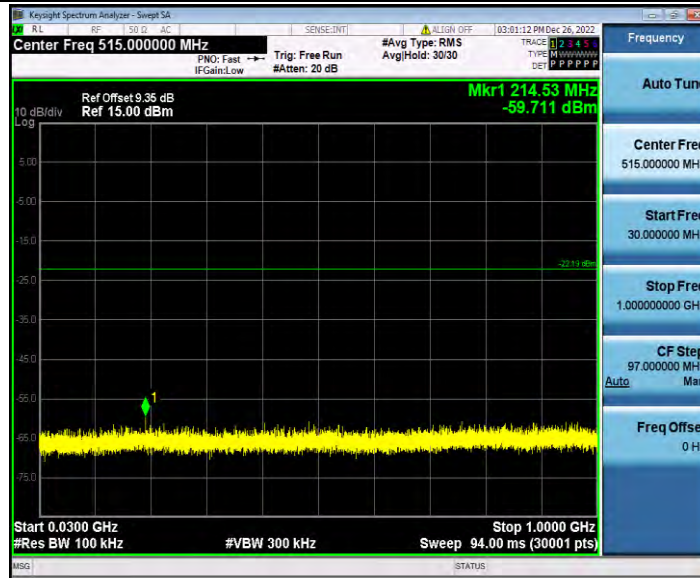
11N20SISO_Ant1_2437_1000~26500



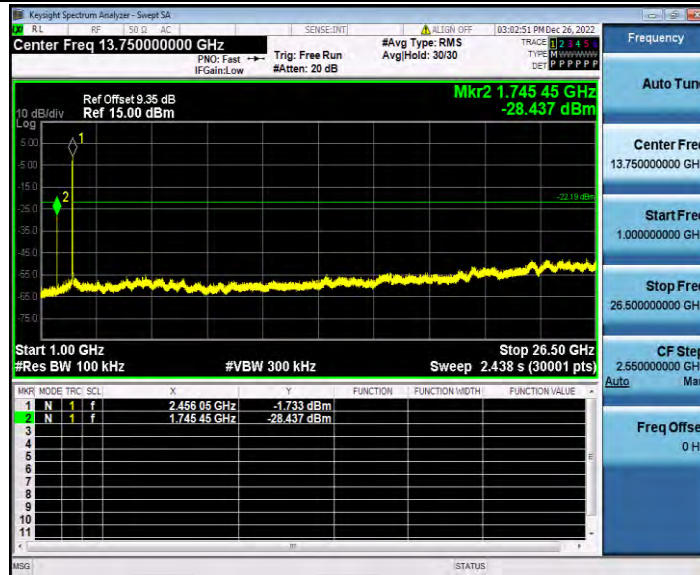
11N20SISO_Ant1_2462_0~Reference



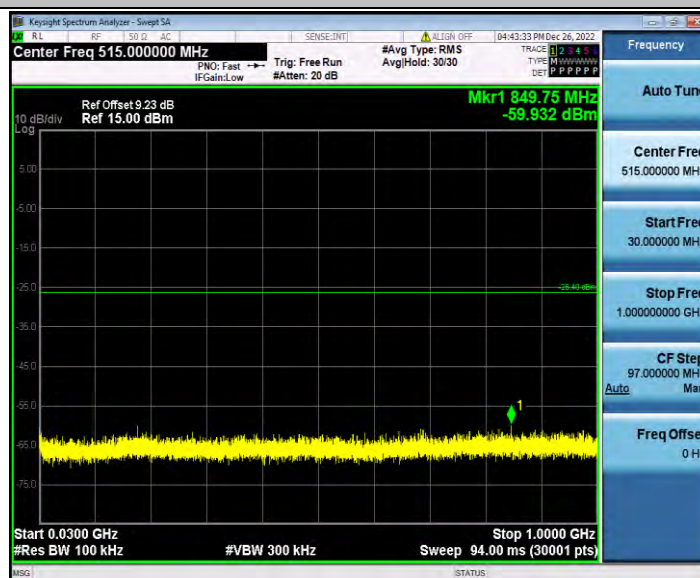
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



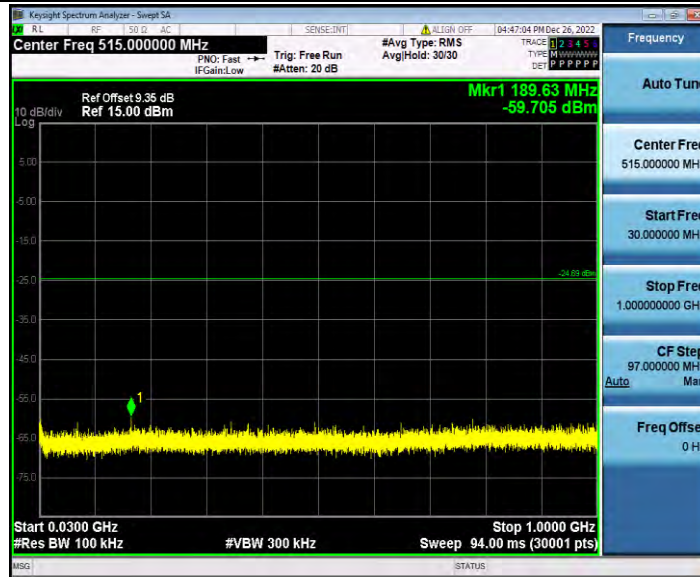
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



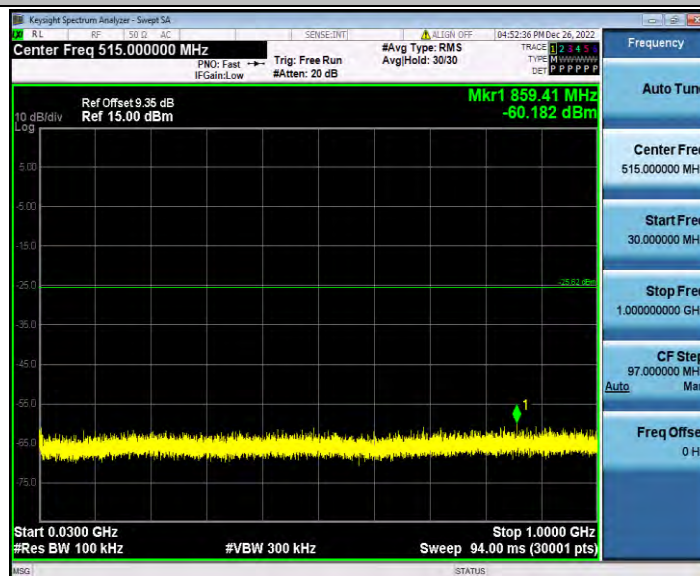
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

