

Case No. : GTS20220920004-2-12	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.19	Test Engineer: Jenny zeng

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2407.480	2416.040	0.5	PASS
		2437	7.600	2432.960	2440.560	0.5	PASS
		2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	14.960	2404.520	2419.480	0.5	PASS
		2437	15.040	2429.720	2444.760	0.5	PASS
		2462	14.520	2454.760	2469.280	0.5	PASS
11N20SISO	Ant1	2412	13.880	2405.680	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.080	2454.440	2469.520	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	31.360	2423.160	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

11B_Ant1_2412



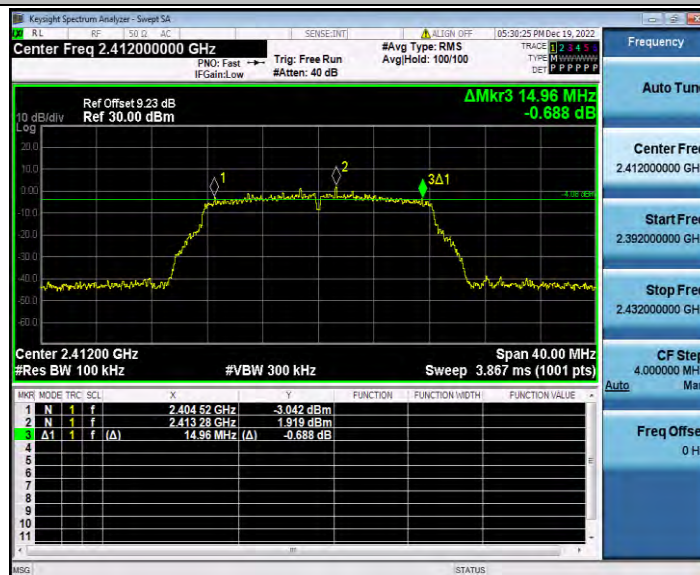
11B_Ant1_2437



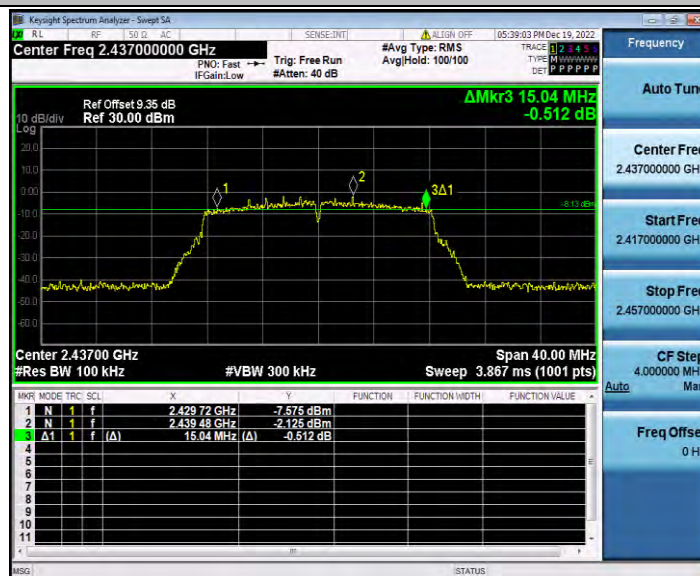
11B_Ant1_2462



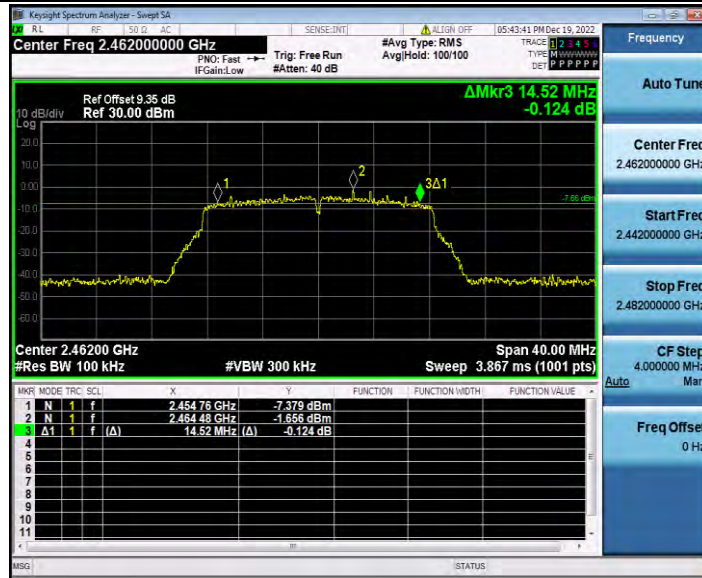
11G_Ant1_2412



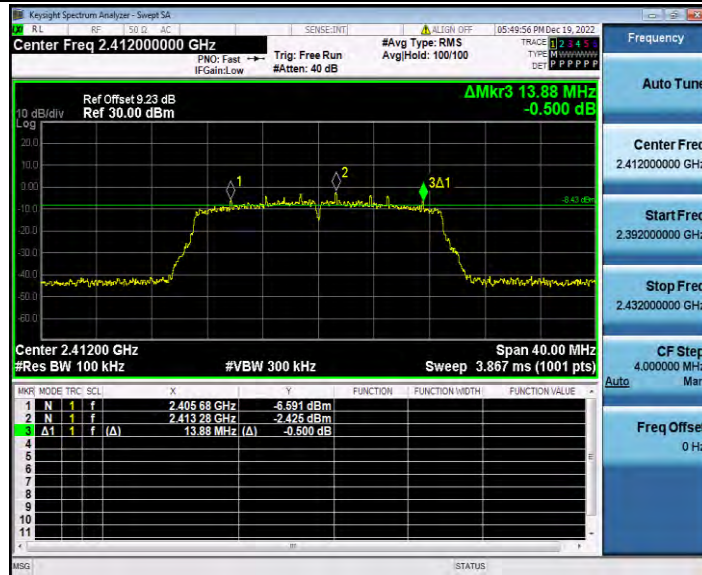
11G_Ant1_2437



11G_Ant1_2462



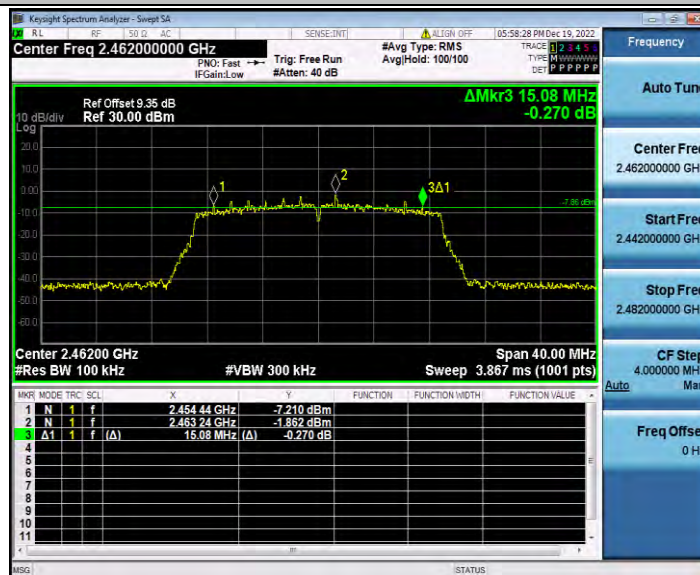
11N20SISO_Ant1_2412



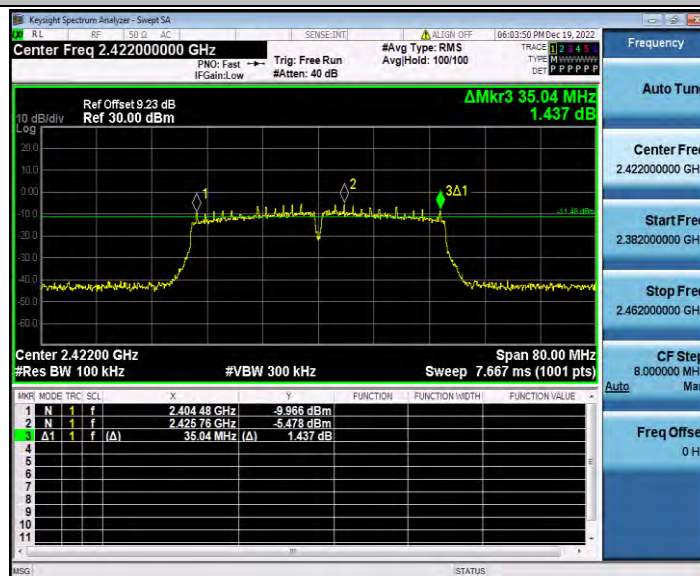
11N20SISO_Ant1_2437



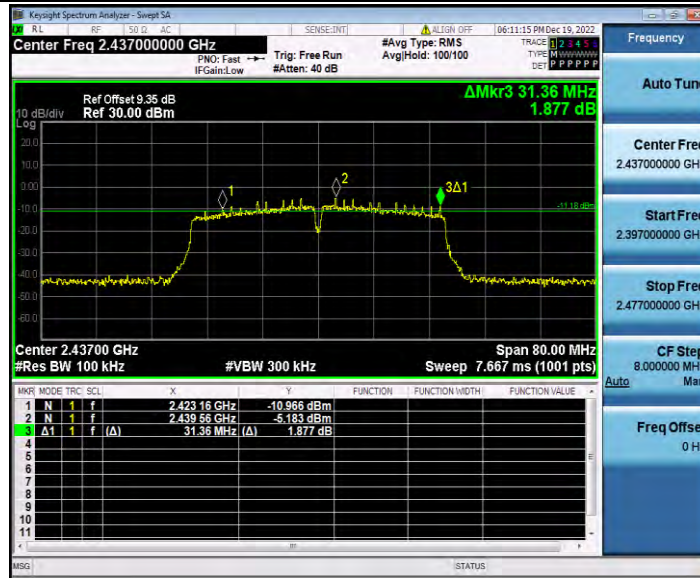
11N20SISO_Ant1_2462



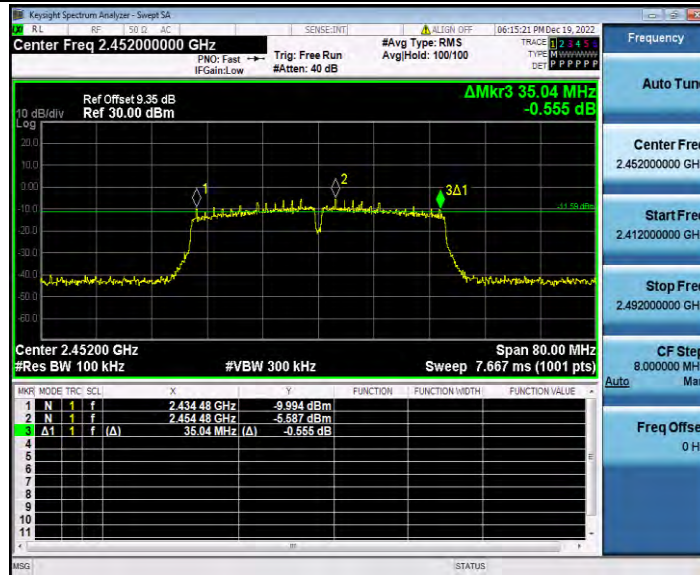
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.440	2405.300	2418.740	---	---
		2437	13.539	2430.286	2443.825	---	---
		2462	13.366	2455.322	2468.688	---	---
11G	Ant1	2412	16.839	2403.588	2420.427	---	---
		2437	16.684	2428.676	2445.360	---	---
		2462	16.822	2453.599	2470.421	---	---
11N20SISO	Ant1	2412	17.866	2403.086	2420.952	---	---
		2437	17.859	2428.118	2445.977	---	---
		2462	17.794	2453.126	2470.920	---	---
11N40SISO	Ant1	2422	36.260	2403.966	2440.226	---	---
		2437	36.029	2419.058	2455.087	---	---
		2452	36.083	2434.046	2470.129	---	---

Test Graphs

11B_Ant1_2412



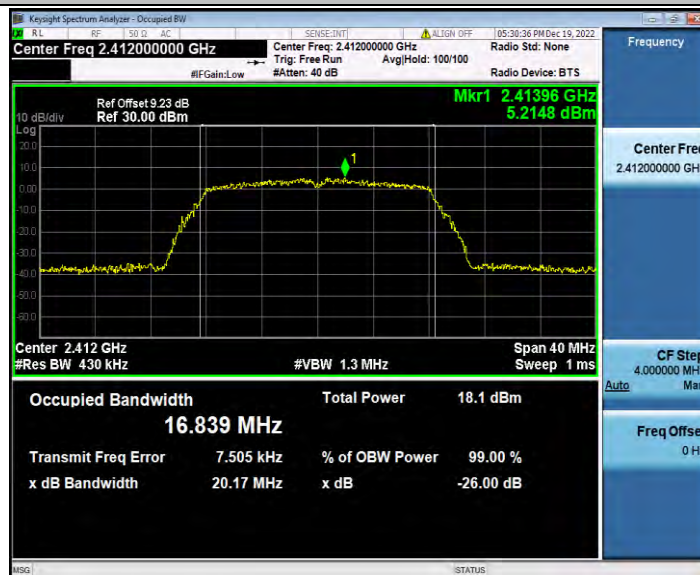
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



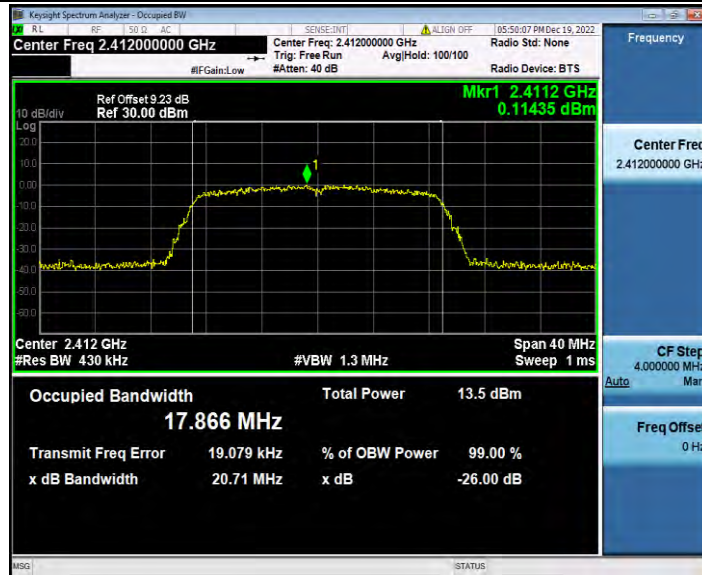
11G_Ant1_2437



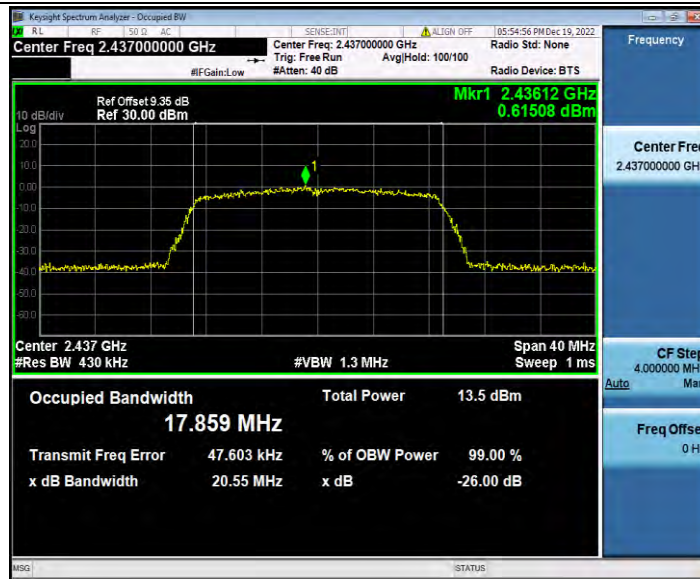
11G_Ant1_2462



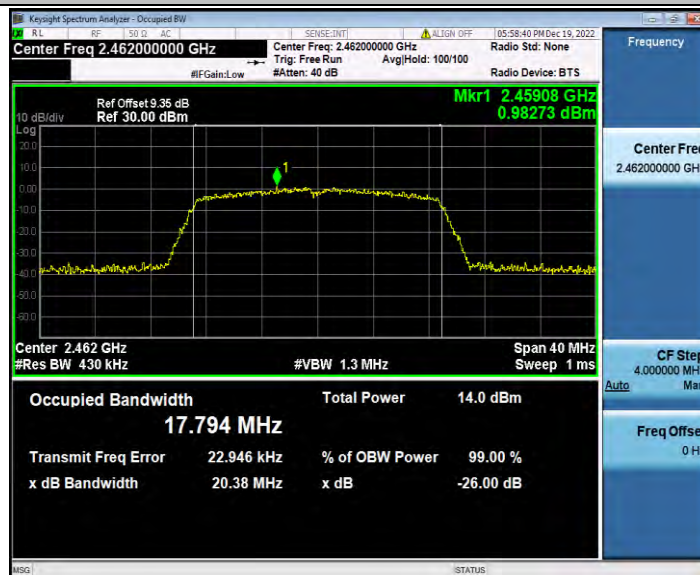
11N20SISO_Ant1_2412



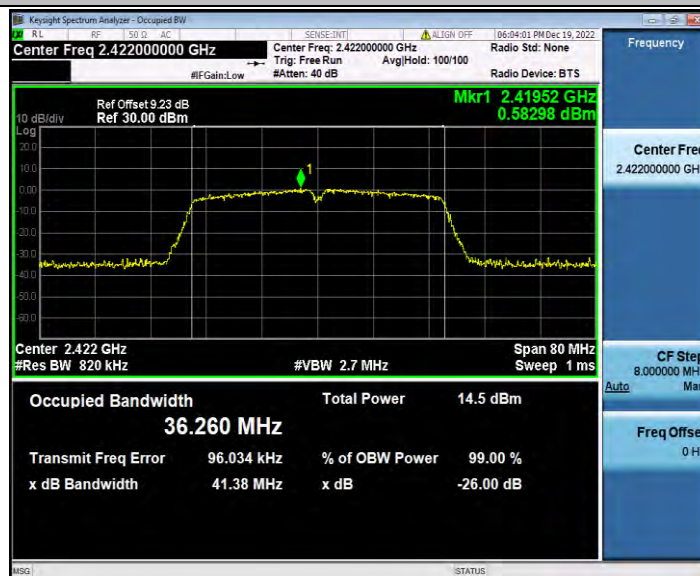
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



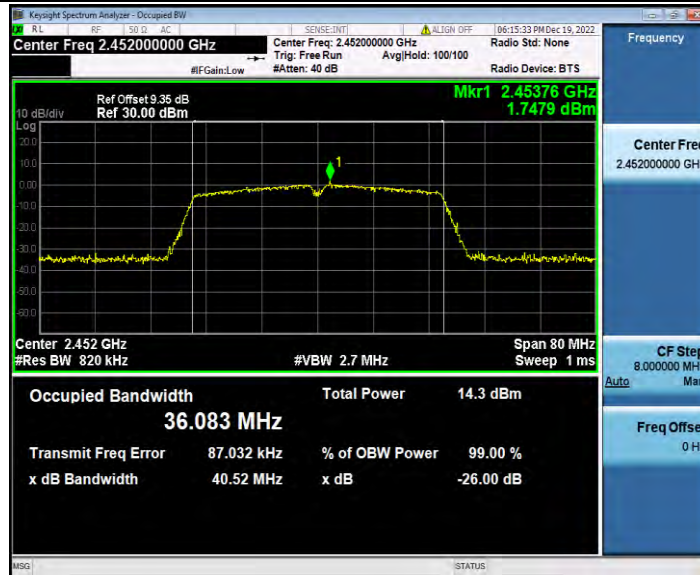
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.40	≤30.00	PASS
		2437	15.52	≤30.00	PASS
		2462	15.91	≤30.00	PASS
11G	Ant1	2412	15.50	≤30.00	PASS
		2437	16.40	≤30.00	PASS
		2462	16.35	≤30.00	PASS
11N20SISO	Ant1	2412	14.79	≤30.00	PASS
		2437	14.79	≤30.00	PASS
		2462	15.26	≤30.00	PASS
11N40SISO	Ant1	2422	14.90	≤30.00	PASS
		2437	15.00	≤30.00	PASS
		2452	14.76	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.98	≤8.00	PASS
		2437	-9.44	≤8.00	PASS
		2462	-9.5	≤8.00	PASS
11G	Ant1	2412	-16.46	≤8.00	PASS
		2437	-16.14	≤8.00	PASS
		2462	-15.03	≤8.00	PASS
11N20SISO	Ant1	2412	-16.63	≤8.00	PASS
		2437	-17.86	≤8.00	PASS
		2462	-16.28	≤8.00	PASS
11N40SISO	Ant1	2422	-20	≤8.00	PASS
		2437	-19.21	≤8.00	PASS
		2452	-20.13	≤8.00	PASS

Test Graphs

11B_Ant1_2412



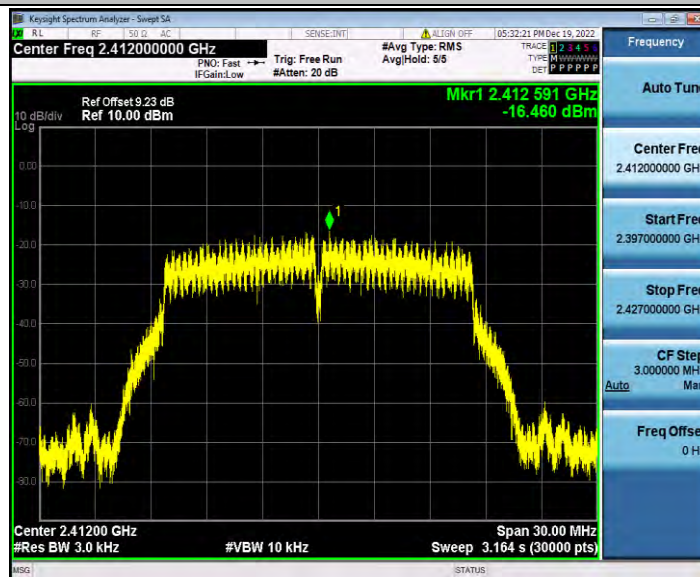
11B_Ant1_2437



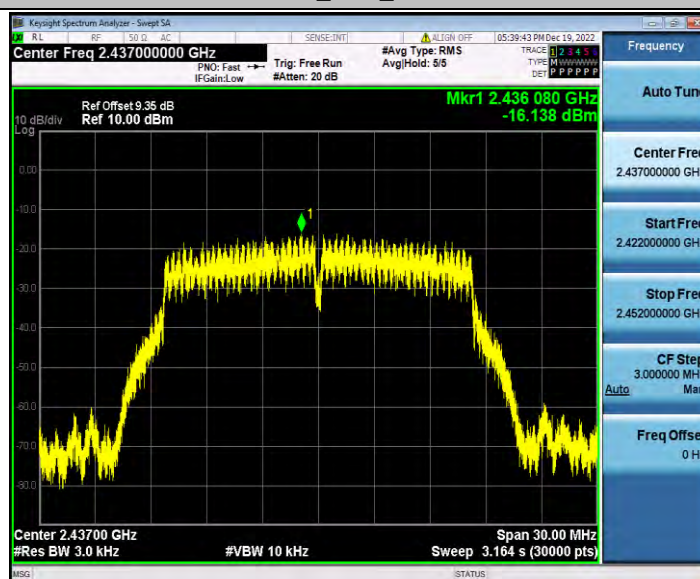
11B_Ant1_2462



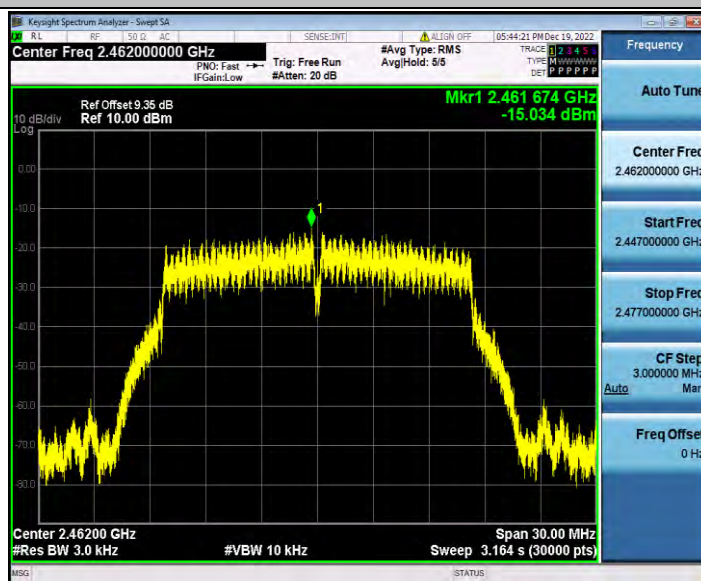
11G_Ant1_2412



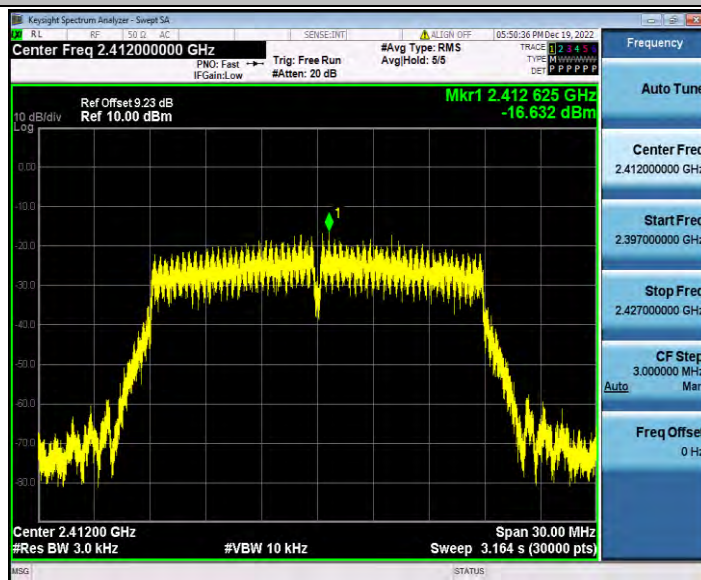
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



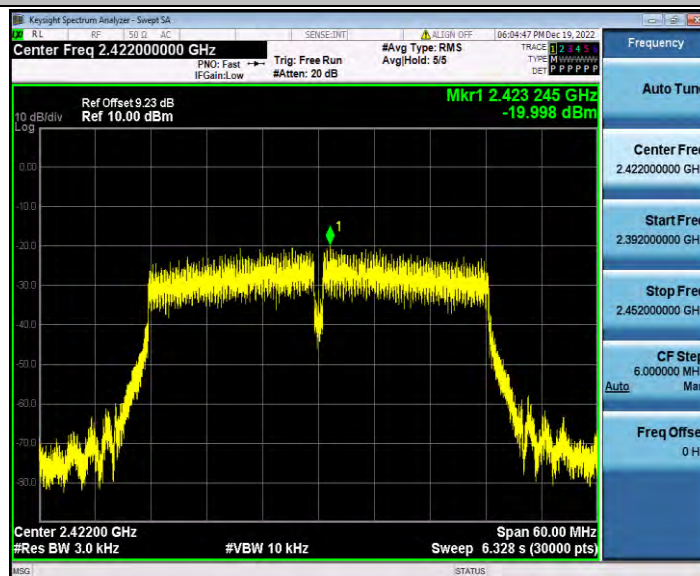
11N20SISO_Ant1_2437



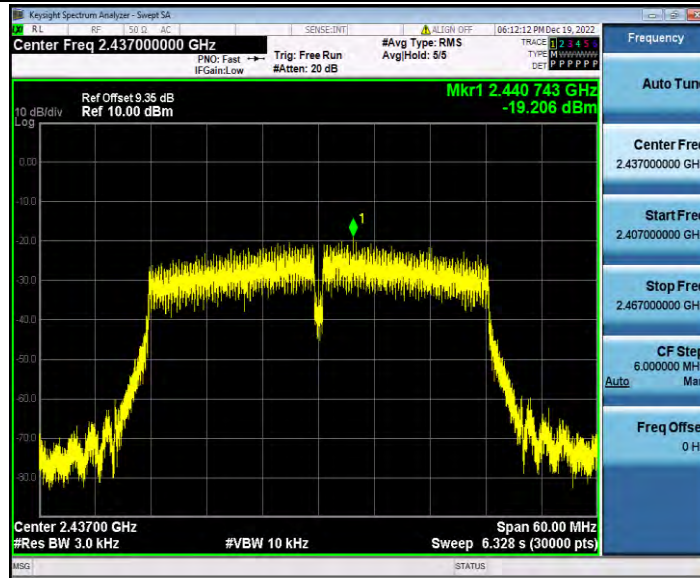
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



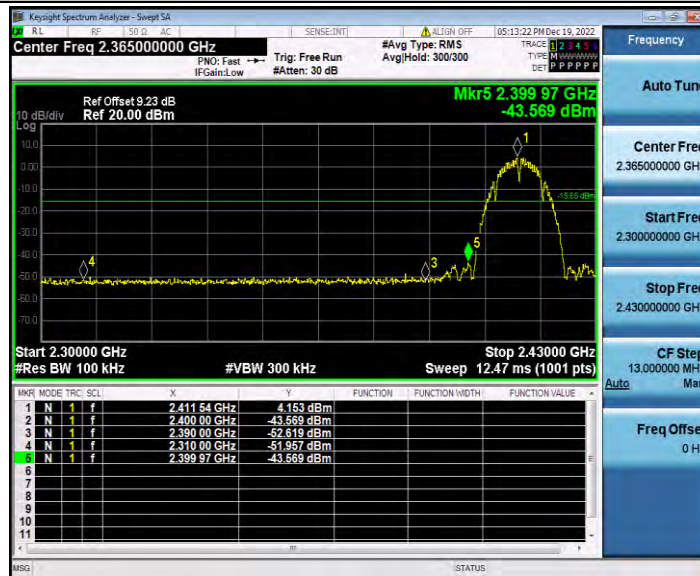
Appendix C.5: Band edge measurements

Test Result

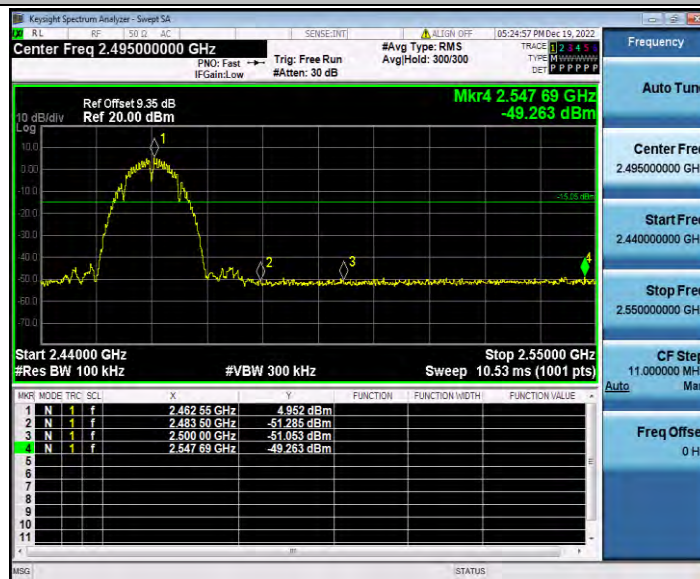
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.15	-43.57	≤-15.85	PASS
		High	2462	4.95	-49.26	≤-15.05	PASS
11G	Ant1	Low	2412	-2.00	-46.47	≤-22	PASS
		High	2462	-0.87	-48.31	≤-20.87	PASS
11N20SISO	Ant1	Low	2412	-3.08	-45.75	≤-23.08	PASS
		High	2462	-2.02	-47.96	≤-22.02	PASS
11N40SISO	Ant1	Low	2422	-5.46	-44.15	≤-25.46	PASS
		High	2452	-5.51	-48.28	≤-25.51	PASS

Test Graphs

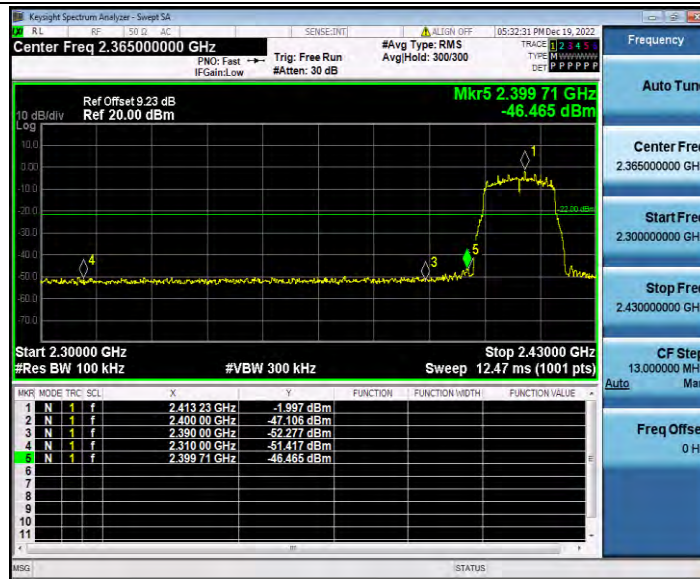
11B_Ant1_Low_2412



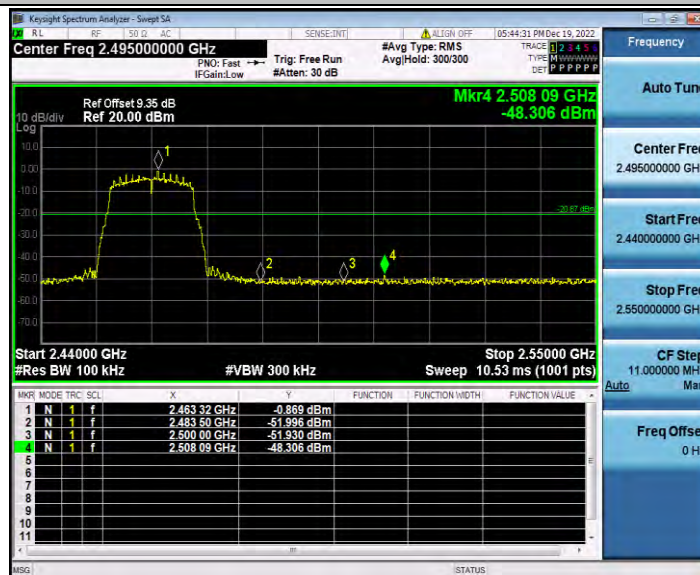
11B_Ant1_High_2462



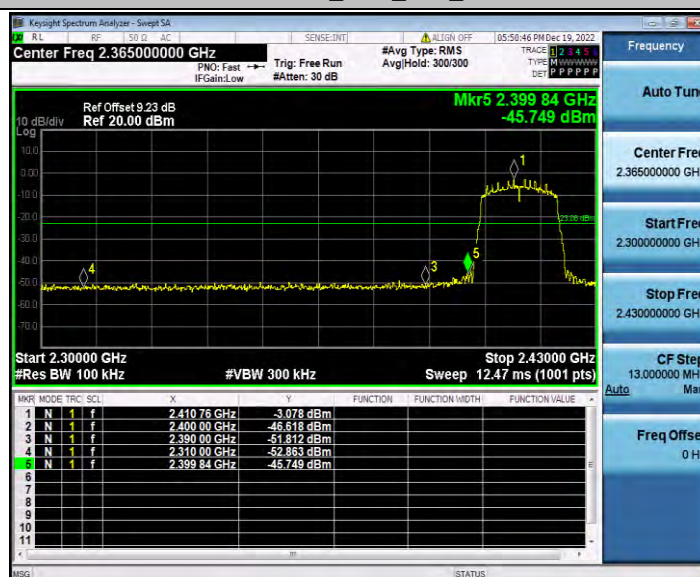
11G_Ant1_Low_2412



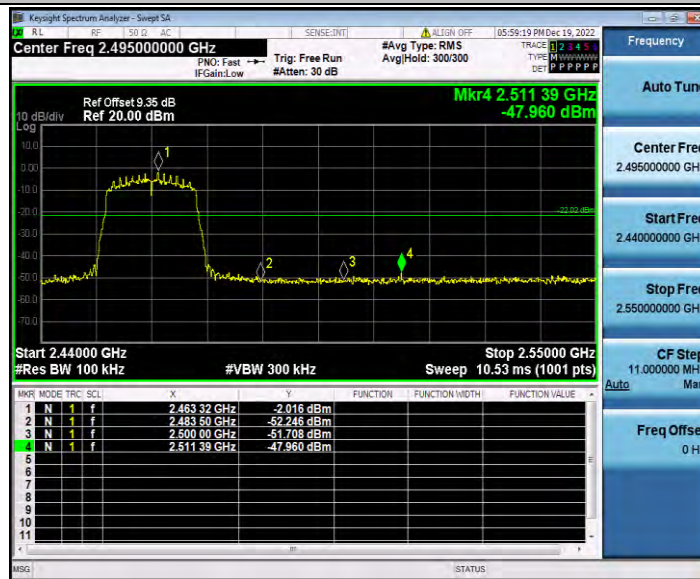
11G_Ant1_High_2462



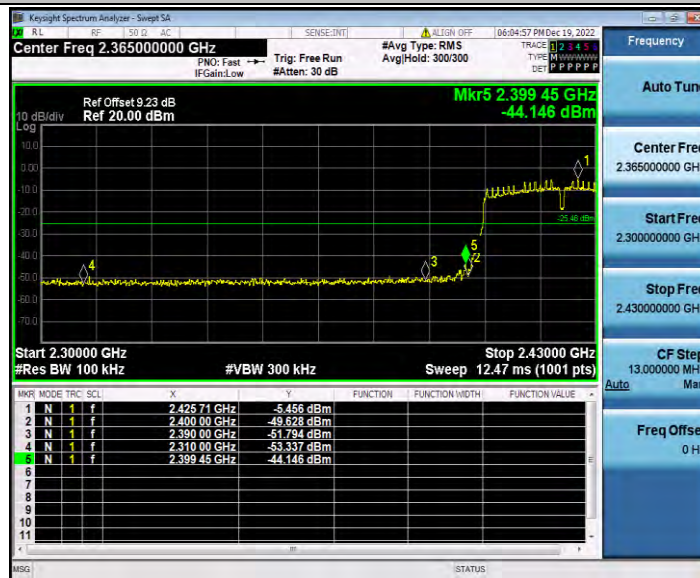
11N20SISO_Ant1_Low_2412



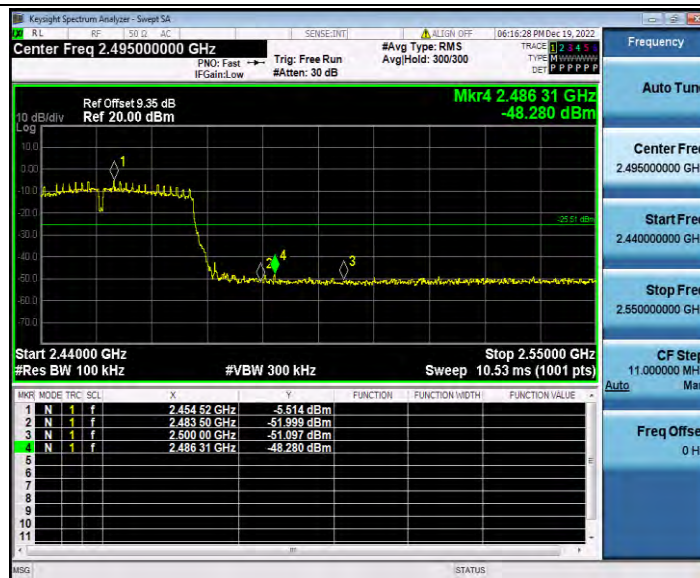
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

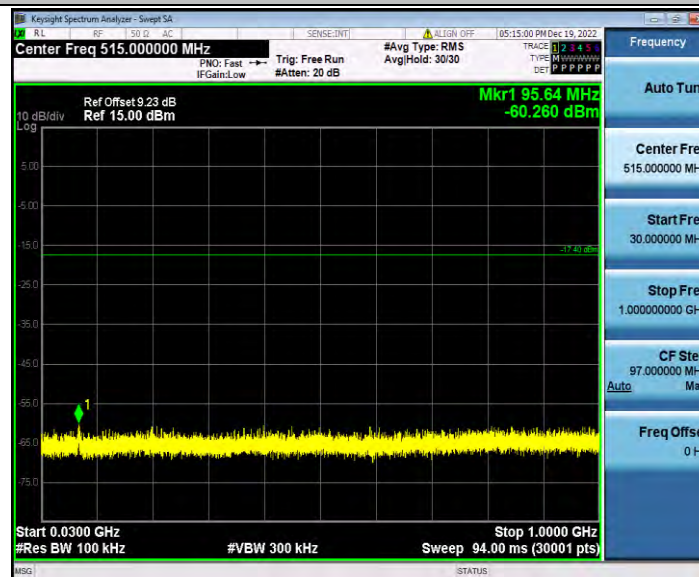
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.60	2.60	---	PASS
			30~1000	2.60	-60.26	≤ -17.4	PASS
			1000~26500	2.60	-48.21	≤ -17.4	PASS
		2437	Reference	3.19	3.19	---	PASS
			30~1000	3.19	-59.48	≤ -16.81	PASS
			1000~26500	3.19	-47.13	≤ -16.81	PASS
		2462	Reference	4.76	4.76	---	PASS
			30~1000	4.76	-59.64	≤ -15.24	PASS
			1000~26500	4.76	-47.16	≤ -15.24	PASS
11G	Ant1	2412	Reference	-3.96	-3.96	---	PASS
			30~1000	-3.96	-59.61	≤ -23.96	PASS
			1000~26500	-3.96	-47.48	≤ -23.96	PASS
		2437	Reference	-4.56	-4.56	---	PASS
			30~1000	-4.56	-59.81	≤ -24.56	PASS
			1000~26500	-4.56	-47.61	≤ -24.56	PASS
		2462	Reference	-4.45	-4.45	---	PASS
			30~1000	-4.45	-59.1	≤ -24.45	PASS
			1000~26500	-4.45	-47.17	≤ -24.45	PASS
11N20SISO	Ant1	2412	Reference	-6.26	-6.26	---	PASS
			30~1000	-6.26	-59.93	≤ -26.26	PASS
			1000~26500	-6.26	-47.52	≤ -26.26	PASS
		2437	Reference	-3.28	-3.28	---	PASS
			30~1000	-3.28	-59.12	≤ -23.28	PASS
			1000~26500	-3.28	-46.95	≤ -23.28	PASS
		2462	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-59.64	≤ -21.78	PASS
			1000~26500	-1.78	-47.67	≤ -21.78	PASS
11N40SISO	Ant1	2422	Reference	-7.98	-7.98	---	PASS
			30~1000	-7.98	-60.11	≤ -27.98	PASS
			1000~26500	-7.98	-47.19	≤ -27.98	PASS
		2437	Reference	-7.16	-7.16	---	PASS
			30~1000	-7.16	-59.92	≤ -27.16	PASS
			1000~26500	-7.16	-47.47	≤ -27.16	PASS
		2452	Reference	-8.38	-8.38	---	PASS
			30~1000	-8.38	-59.9	≤ -28.38	PASS
			1000~26500	-8.38	-47.02	≤ -28.38	PASS

Test Graphs

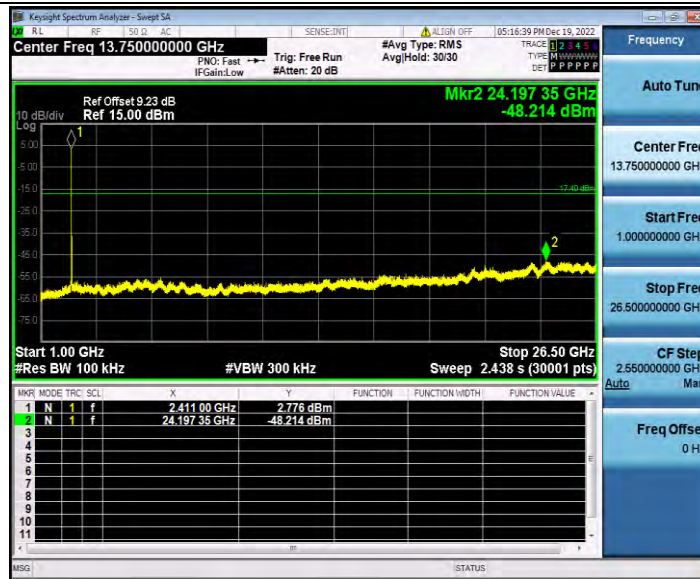
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



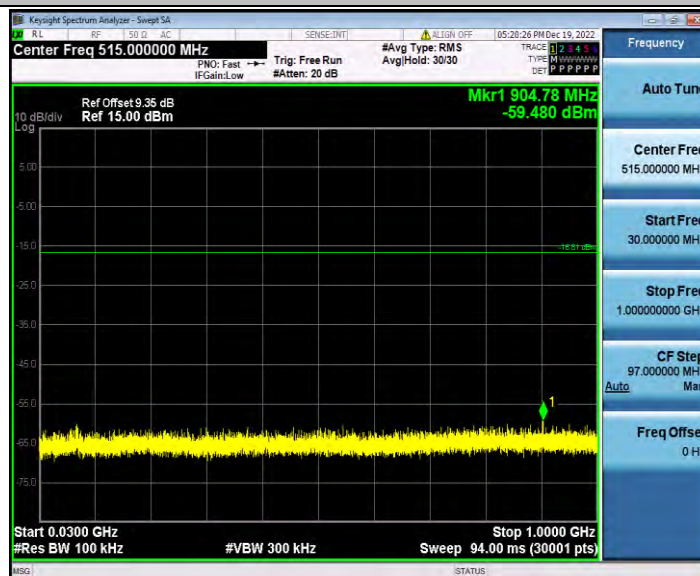
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



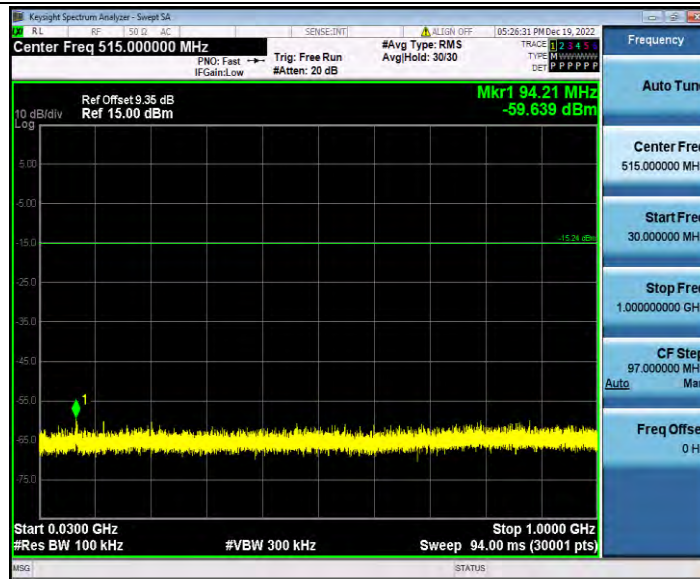
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



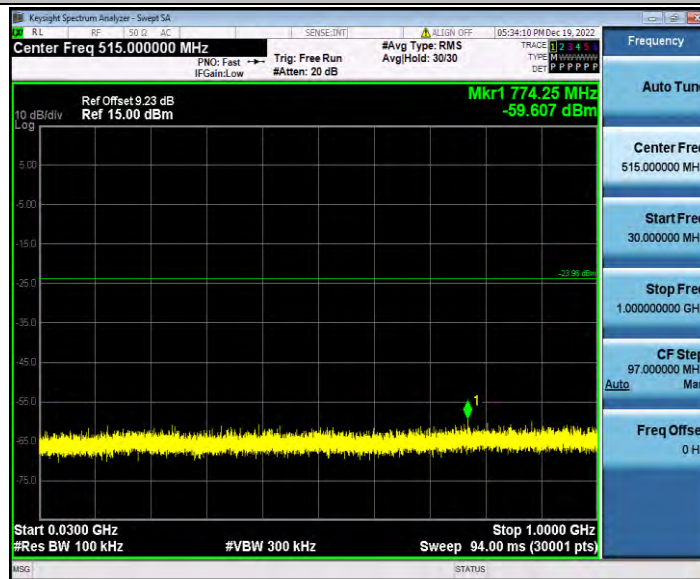
11B_Ant1_2462_1000~26500



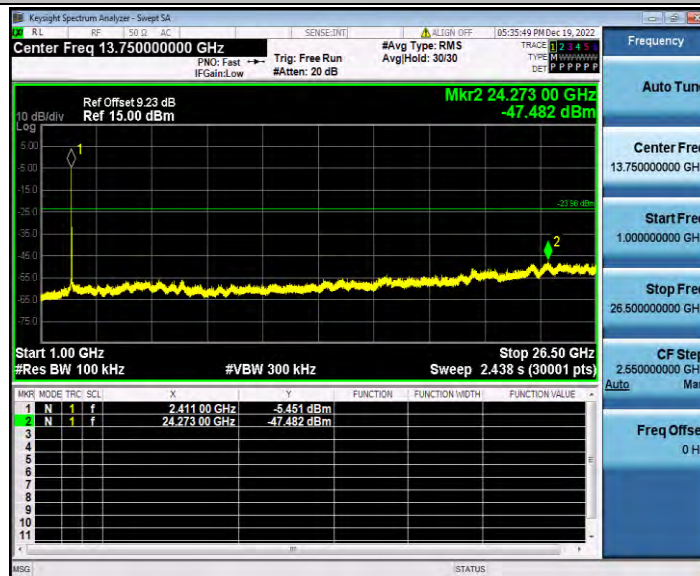
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



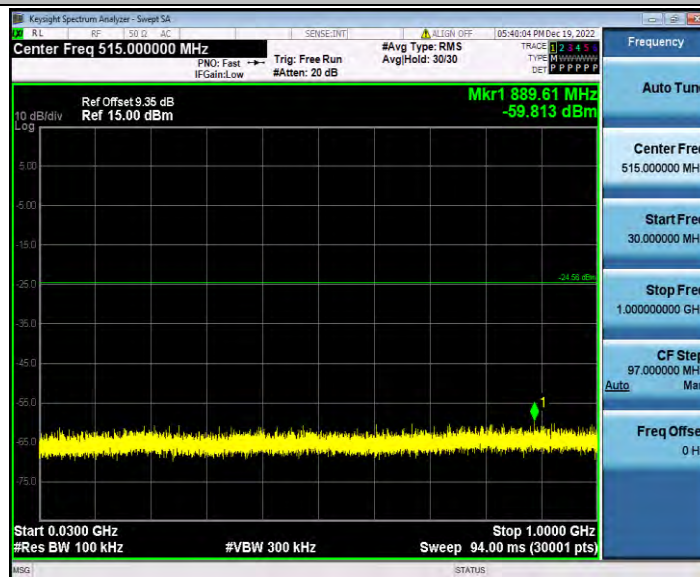
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



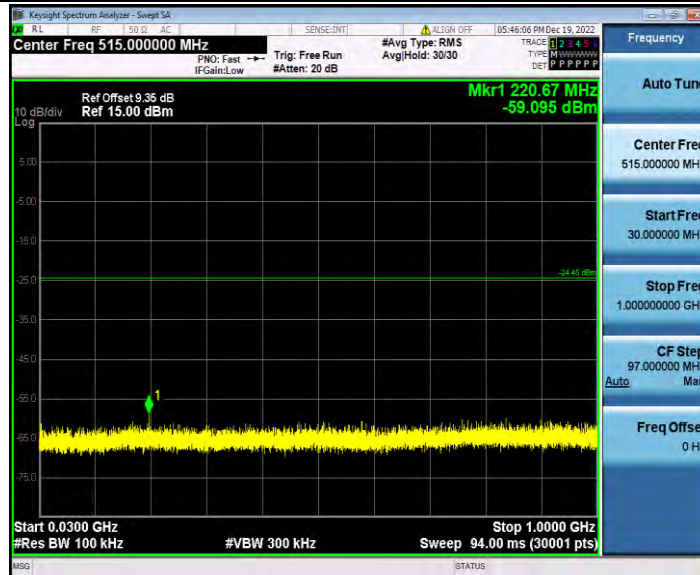
11G_Ant1_2437_1000~26500



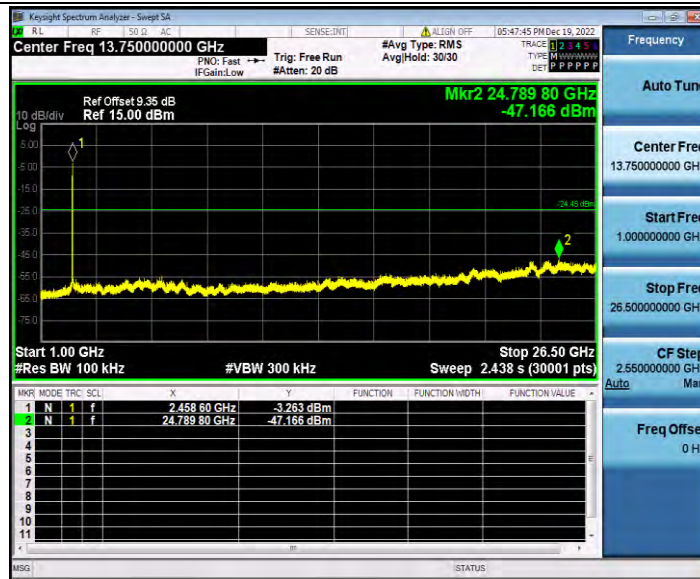
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



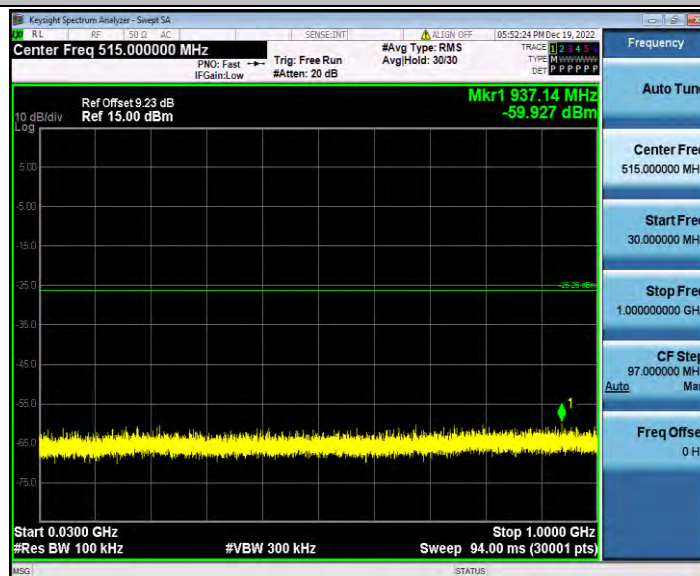
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



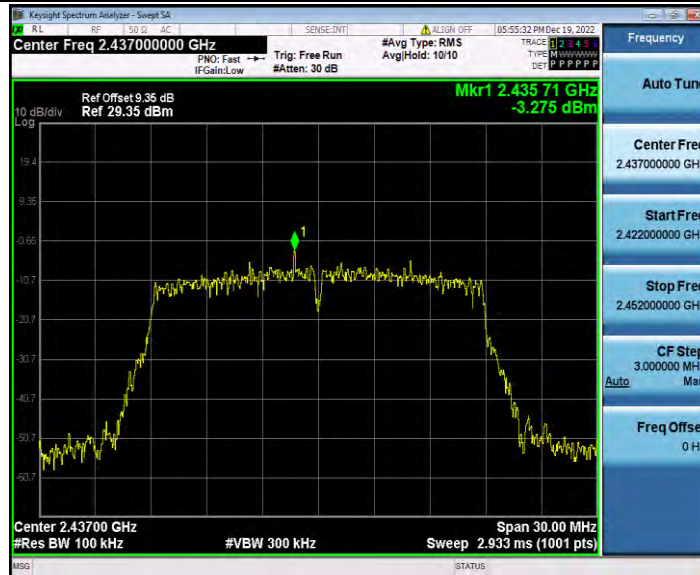
11N20SISO_Ant1_2412_30~1000



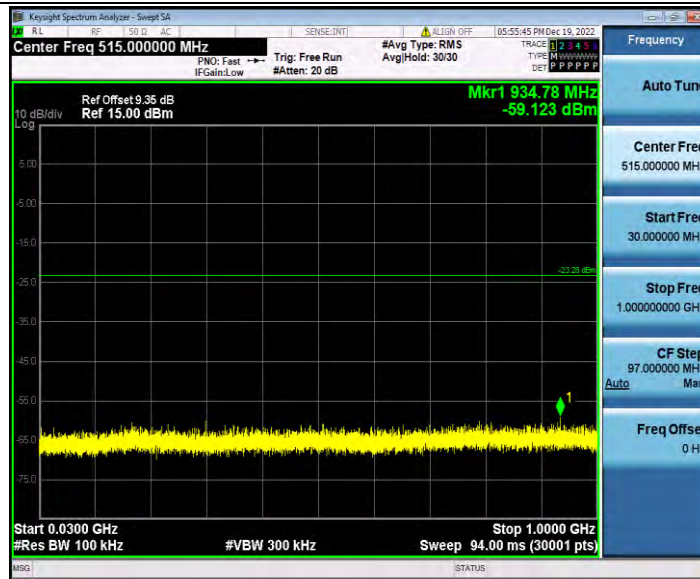
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



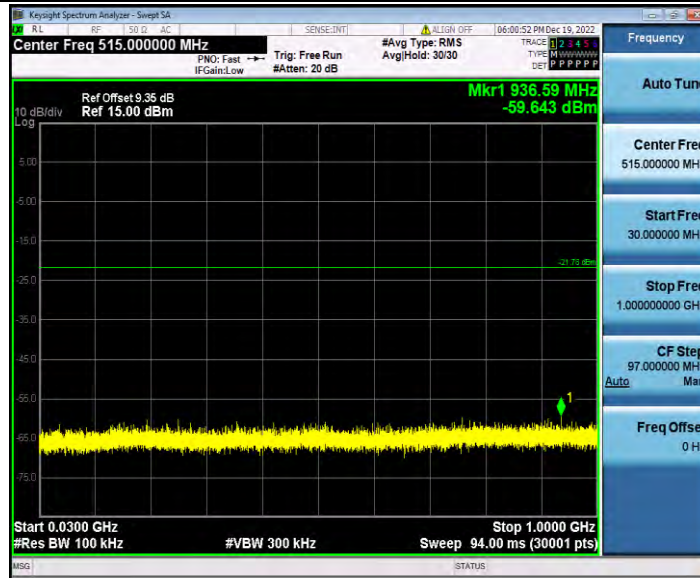
11N20SISO_Ant1_2437_1000~26500



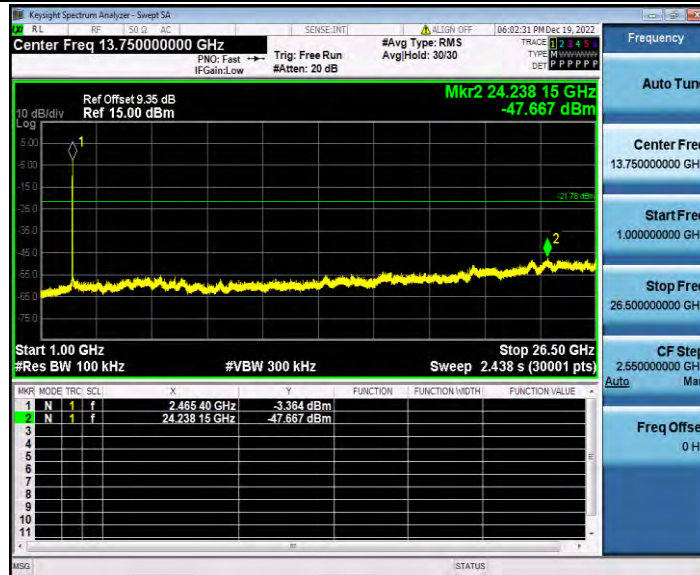
11N20SISO_Ant1_2462_0~Reference



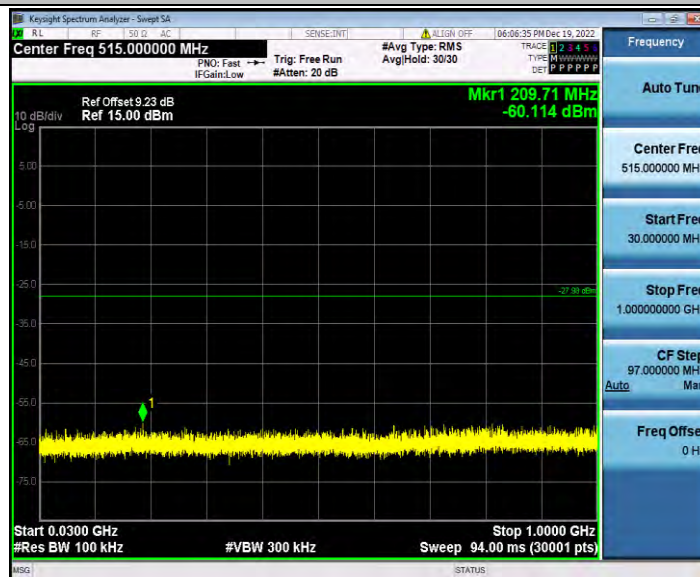
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



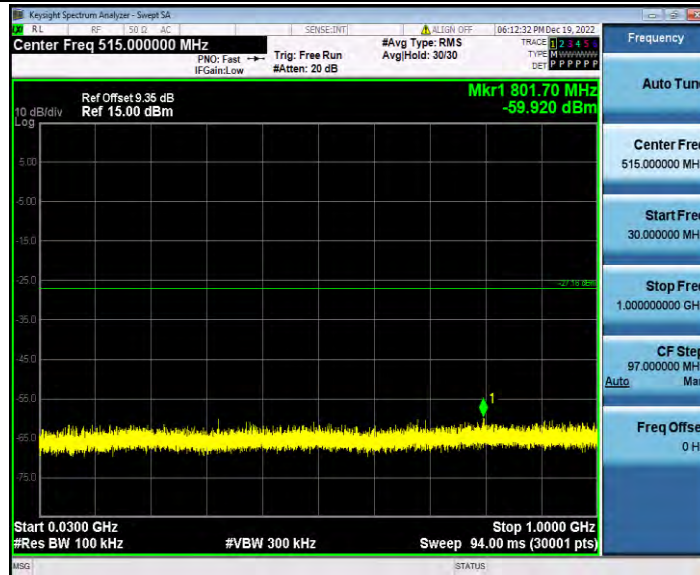
11N40SISO_Ant1_2422_0~Reference



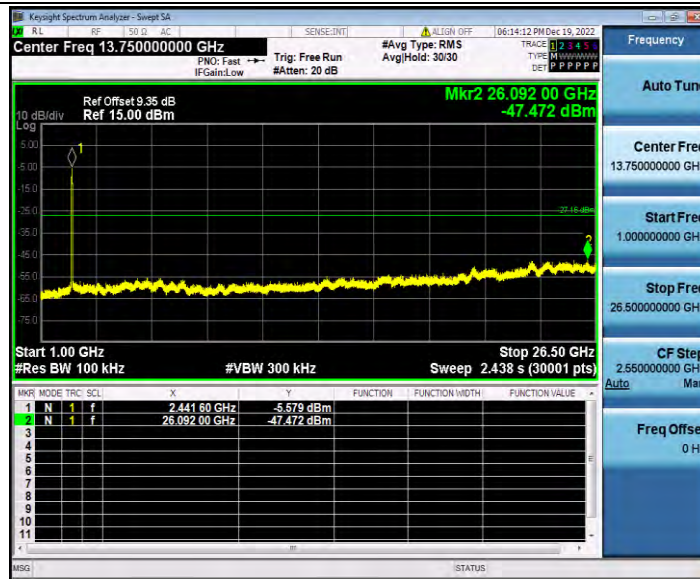
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



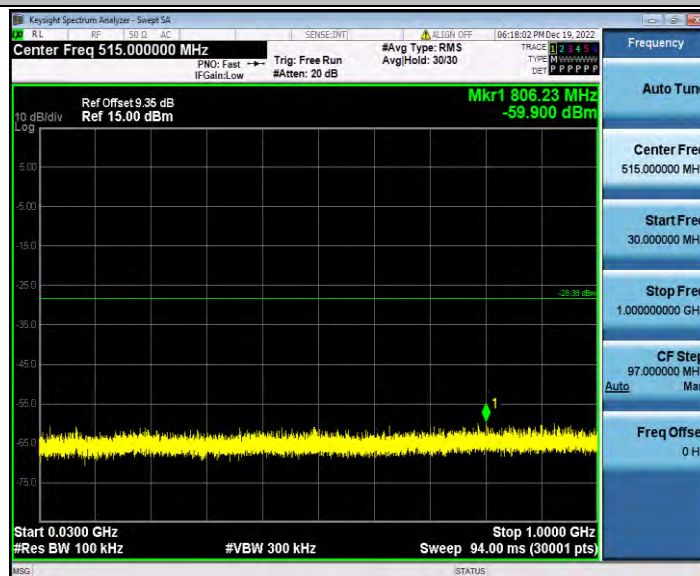
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

