

Case No. : _GTS20220930011-1-8	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.10.14</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2407.000	2417.040	0.5	PASS
		2437	7.600	2433.440	2441.040	0.5	PASS
		2462	10.000	2457.000	2467.000	0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.480	2453.760	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs

11B_Ant1_2412



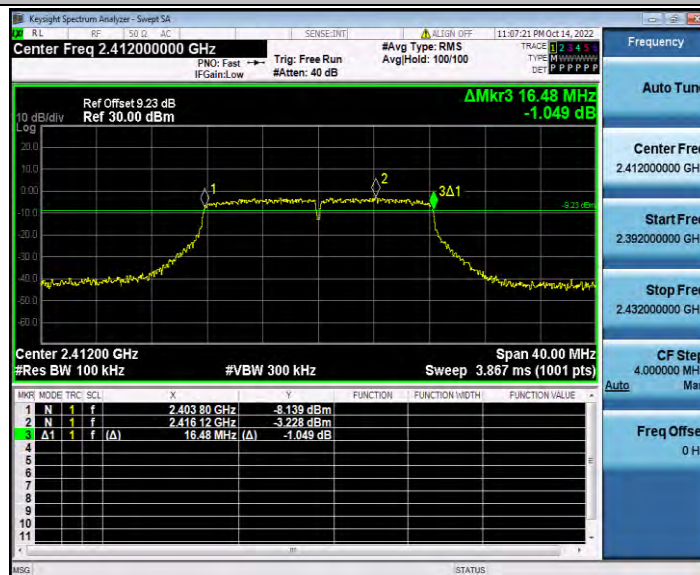
11B_Ant1_2437



11B_Ant1_2462



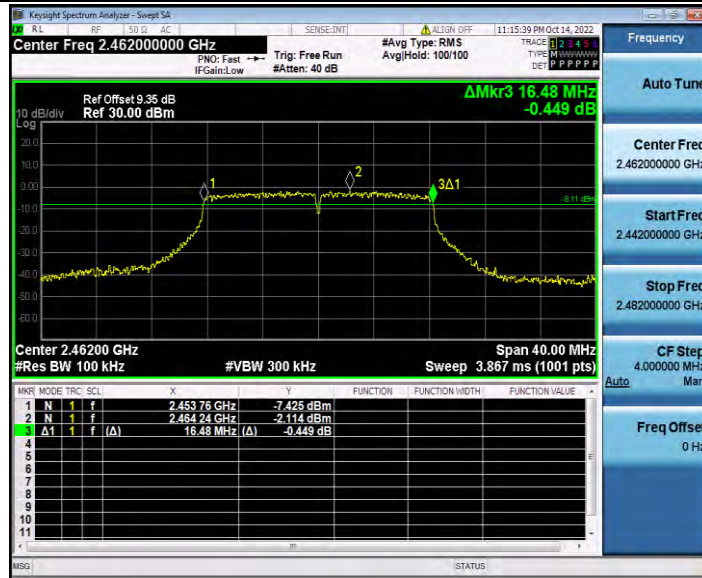
11G_Ant1_2412



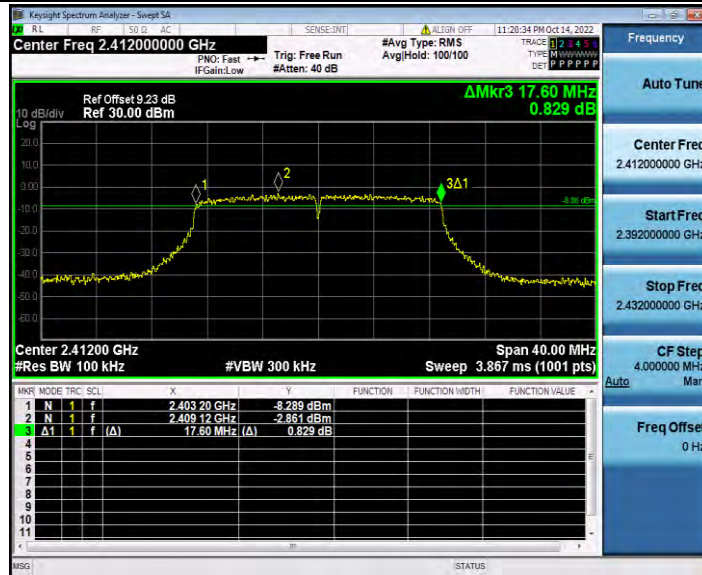
11G_Ant1_2437



11G_Ant1_2462



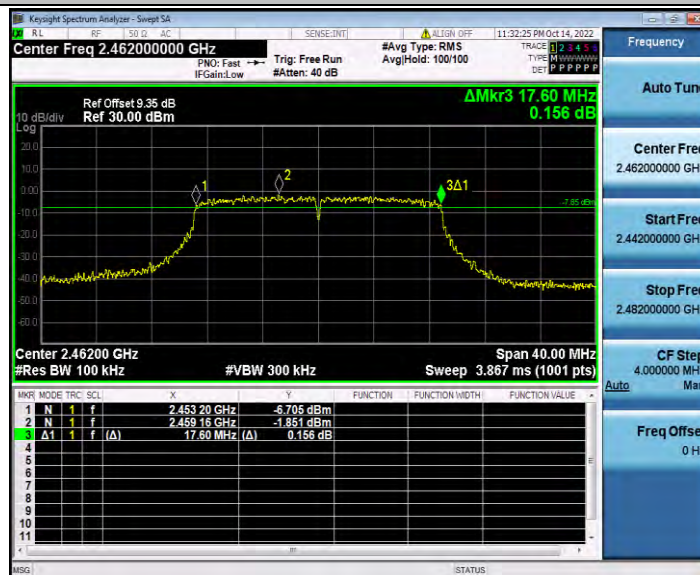
11N20SISO_Ant1_2412



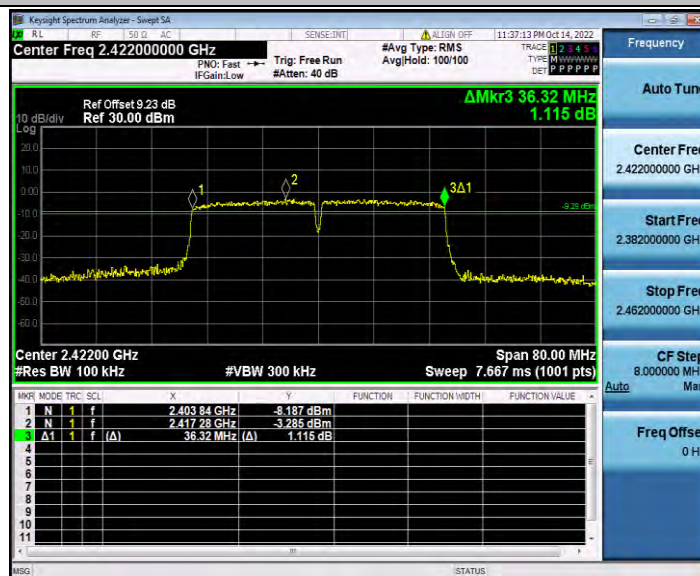
11N20SISO_Ant1_2437



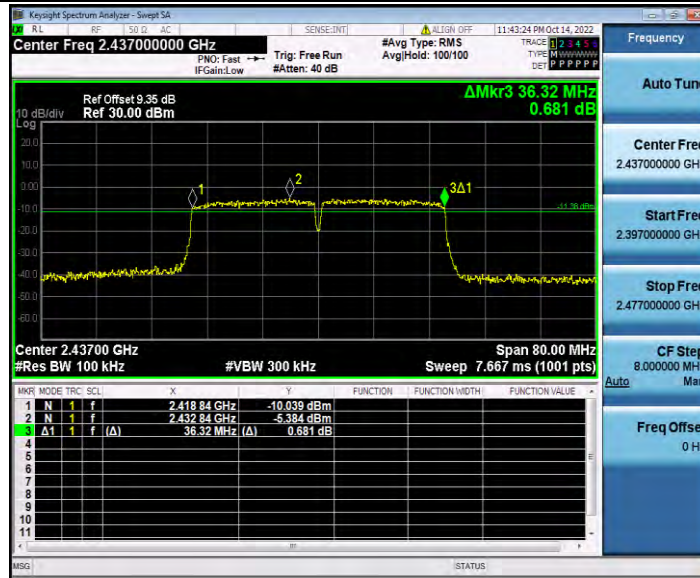
11N20SISO_Ant1_2462



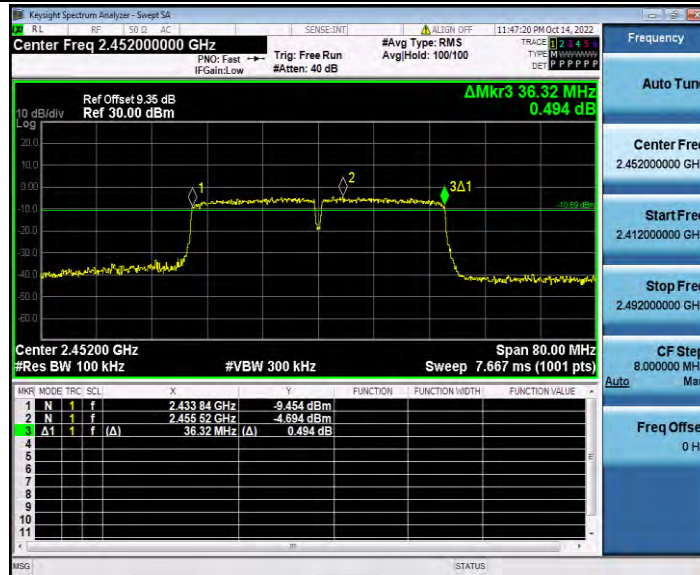
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



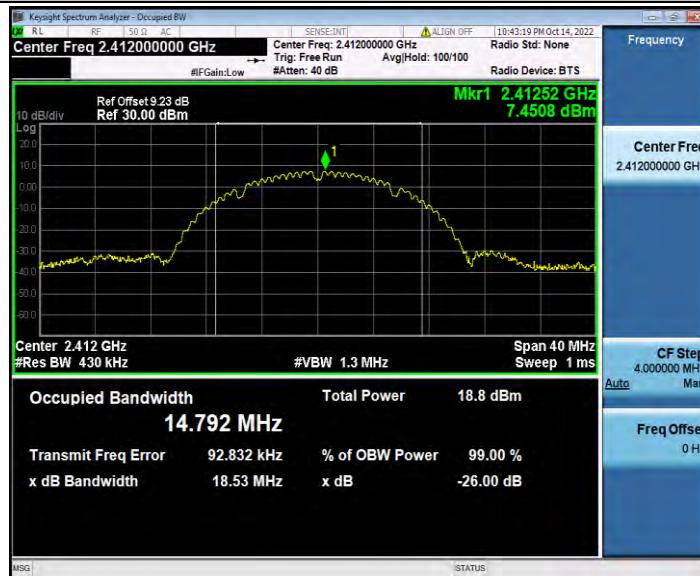
Appendix C.2: Occupied Channel Bandwidth

Test Result

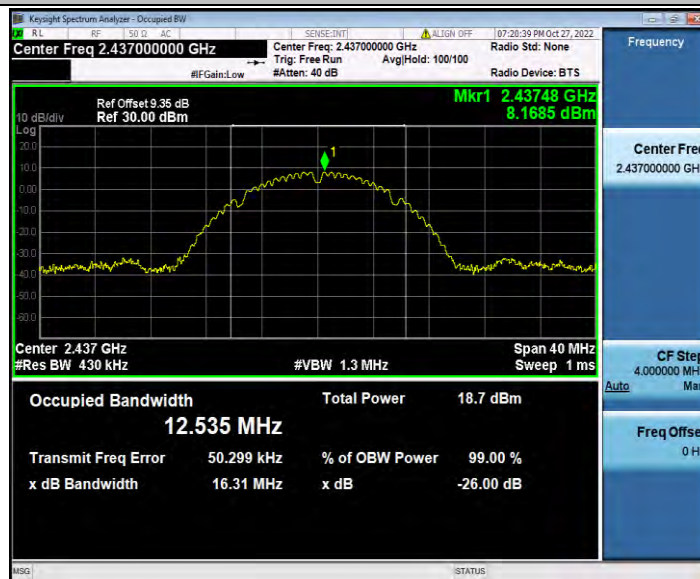
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.792	2404.697	2419.489	---	---
		2437	12.535	2430.783	2443.318	---	---
		2462	14.759	2454.653	2469.412	---	---
11G	Ant1	2412	16.791	2403.558	2420.349	---	---
		2437	16.915	2428.470	2445.385	---	---
		2462	16.782	2453.560	2470.342	---	---
11N20SISO	Ant1	2412	17.799	2403.132	2420.931	---	---
		2437	17.824	2428.104	2445.928	---	---
		2462	17.829	2453.076	2470.905	---	---
11N40SISO	Ant1	2422	35.977	2404.079	2440.056	---	---
		2437	35.966	2419.067	2455.033	---	---
		2452	35.945	2434.066	2470.011	---	---

Test Graphs

11B_Ant1_2412



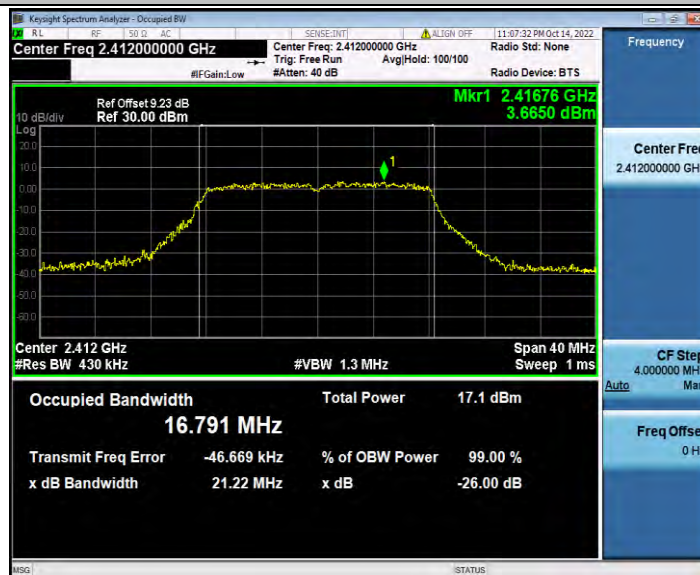
11B_Ant1_2437



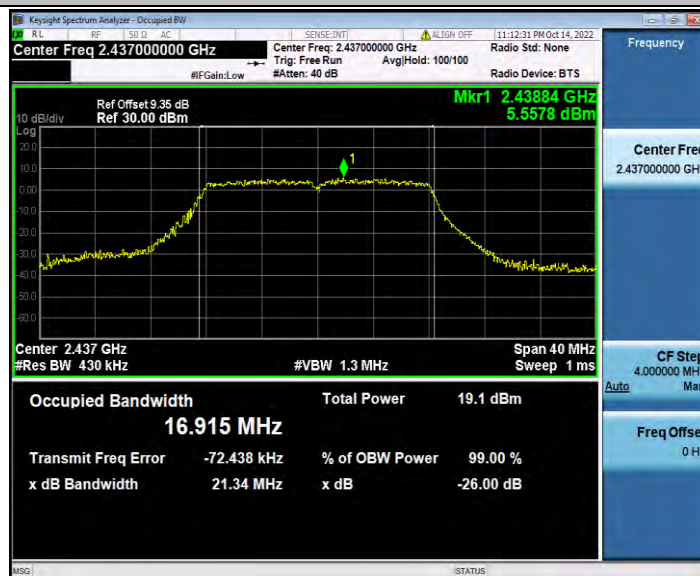
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



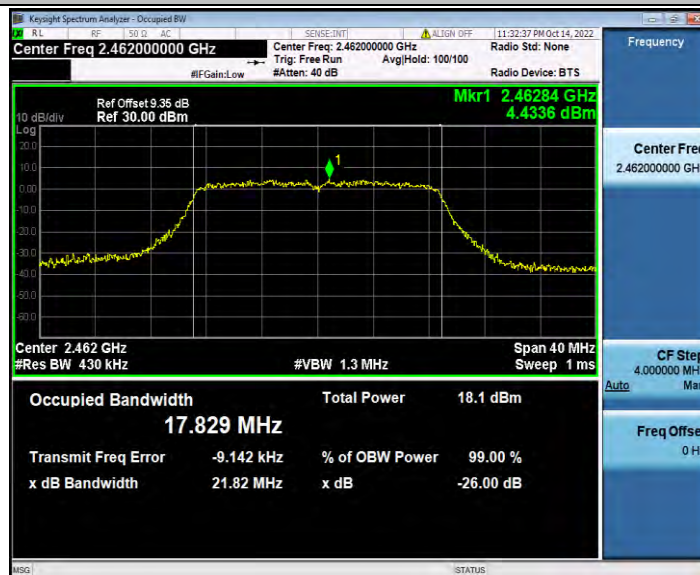
11N20SISO_Ant1_2412



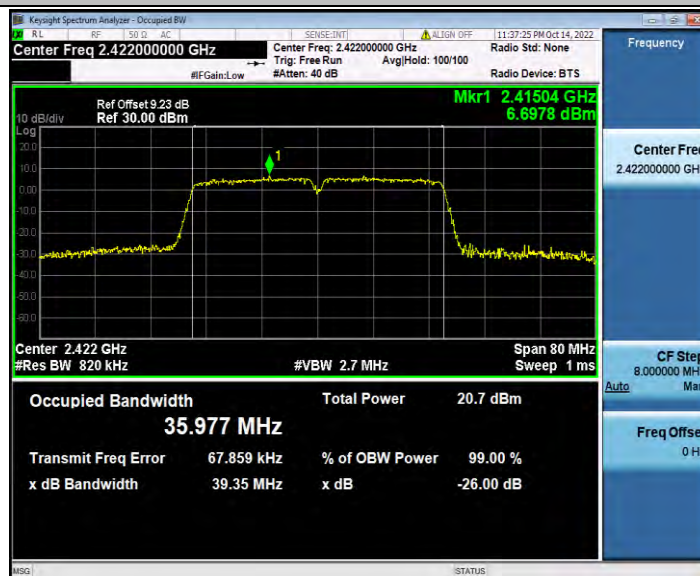
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



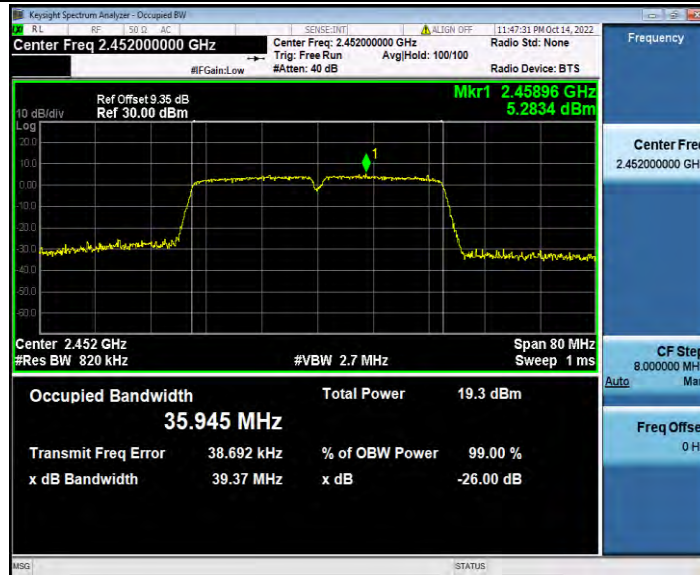
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.87	≤30.00	PASS
		2437	18.77	≤30.00	PASS
		2462	19.70	≤30.00	PASS
11G	Ant1	2412	18.27	≤30.00	PASS
		2437	20.28	≤30.00	PASS
		2462	19.20	≤30.00	PASS
11N20SISO	Ant1	2412	18.36	≤30.00	PASS
		2437	19.97	≤30.00	PASS
		2462	19.46	≤30.00	PASS
11N40SISO	Ant1	2422	20.96	≤30.00	PASS
		2437	18.79	≤30.00	PASS
		2452	19.54	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

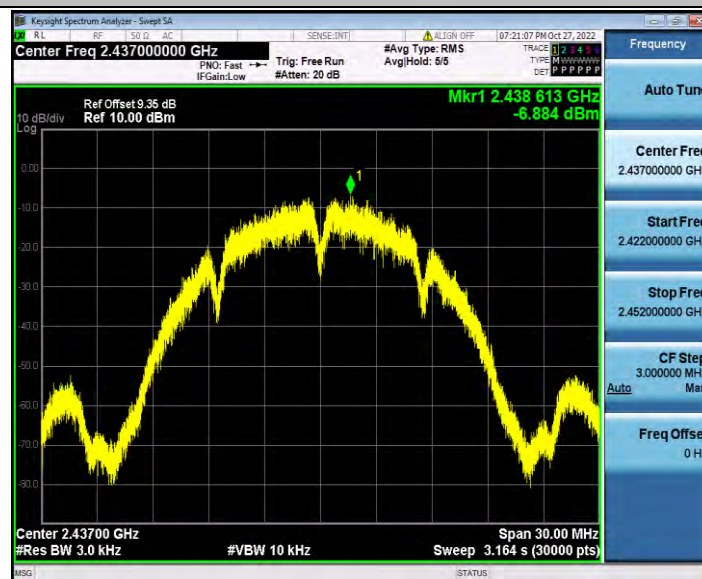
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.88	≤8.00	PASS
		2437	-6.88	≤8.00	PASS
		2462	-12.99	≤8.00	PASS
11G	Ant1	2412	-17.13	≤8.00	PASS
		2437	-15.29	≤8.00	PASS
		2462	-16.14	≤8.00	PASS
11N20SISO	Ant1	2412	-16.88	≤8.00	PASS
		2437	-15.5	≤8.00	PASS
		2462	-15.95	≤8.00	PASS
11N40SISO	Ant1	2422	-13.85	≤8.00	PASS
		2437	-17.54	≤8.00	PASS
		2452	-15.3	≤8.00	PASS

Test Graphs

11B_Ant1_2412



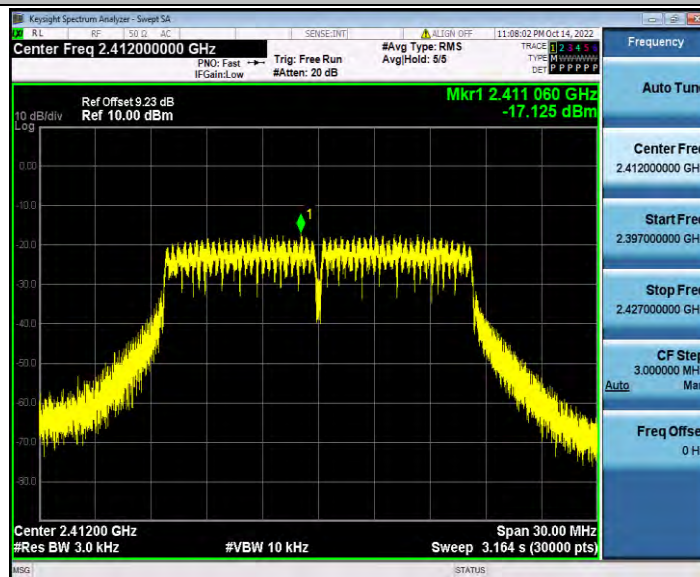
11B_Ant1_2437



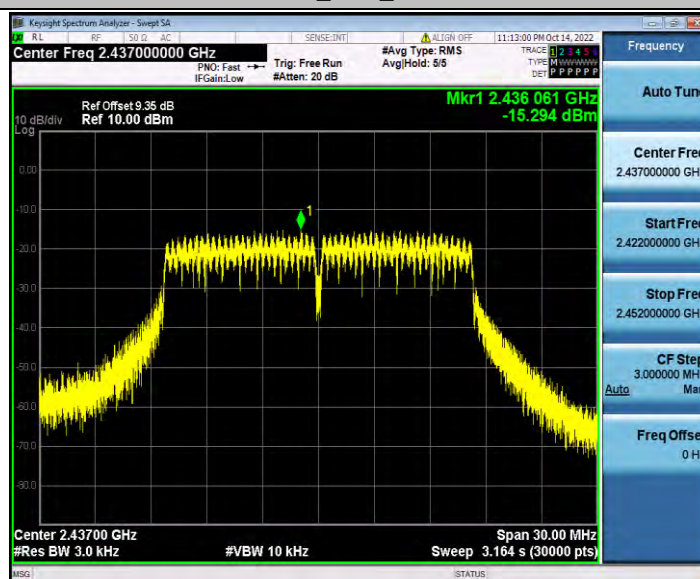
11B_Ant1_2462



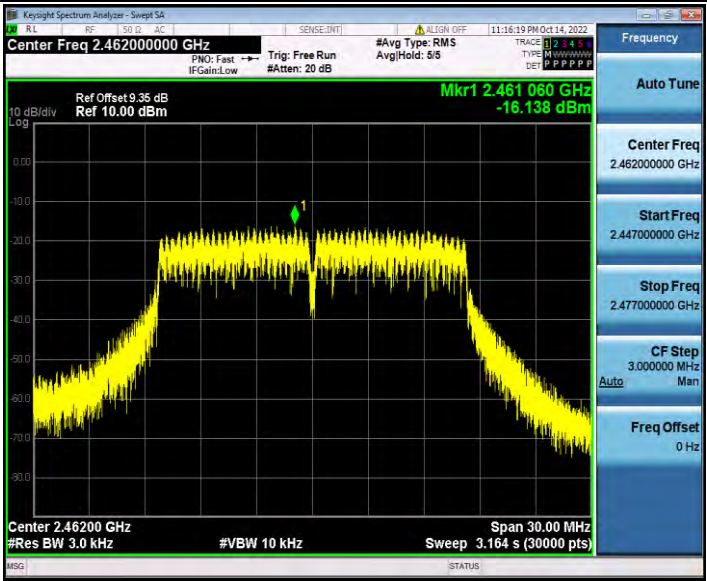
11G_Ant1_2412



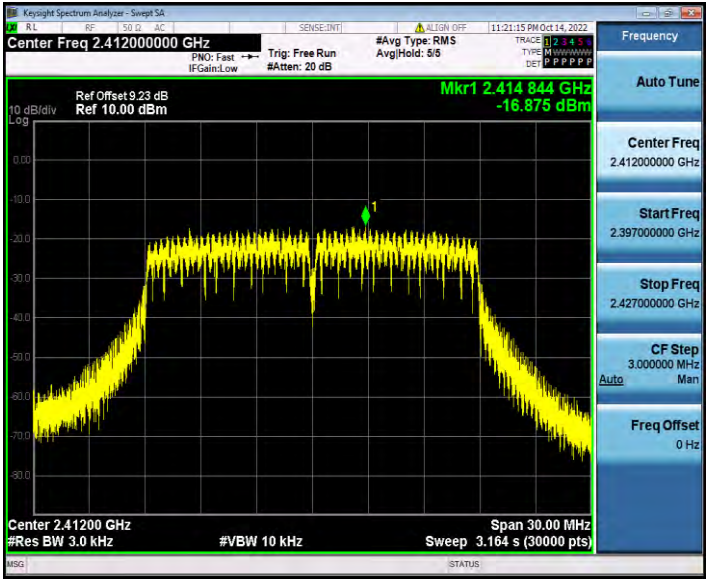
11G_Ant1_2437



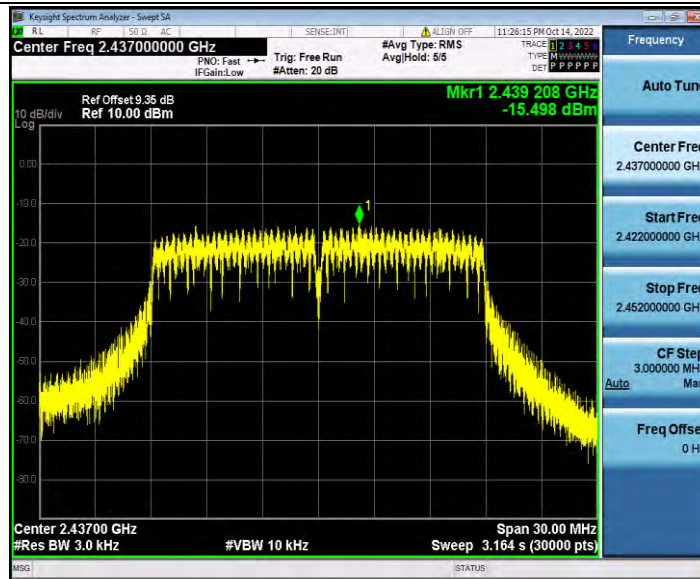
11G_Ant1_2462



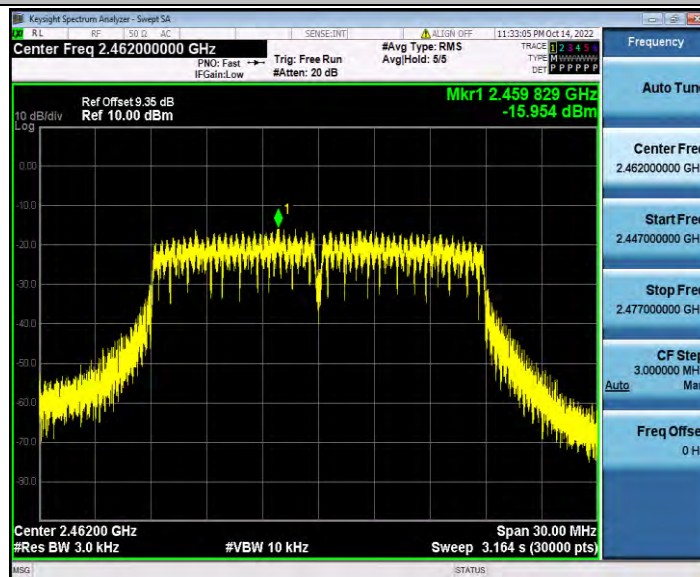
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



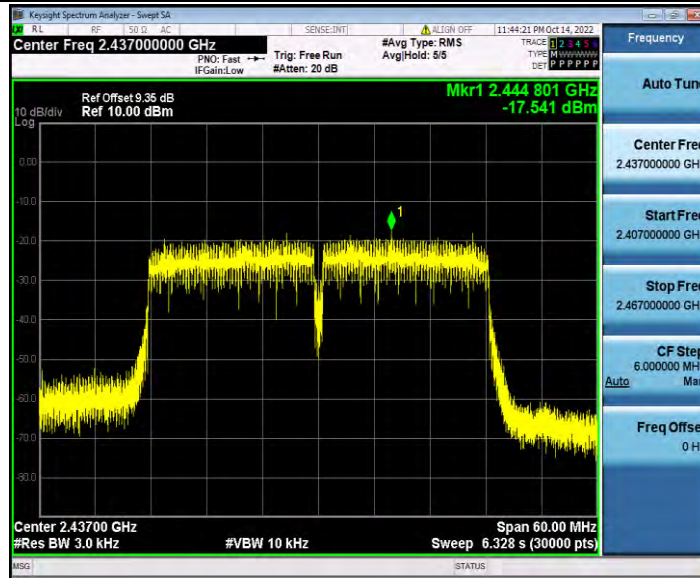
11N20SISO_Ant1_2462



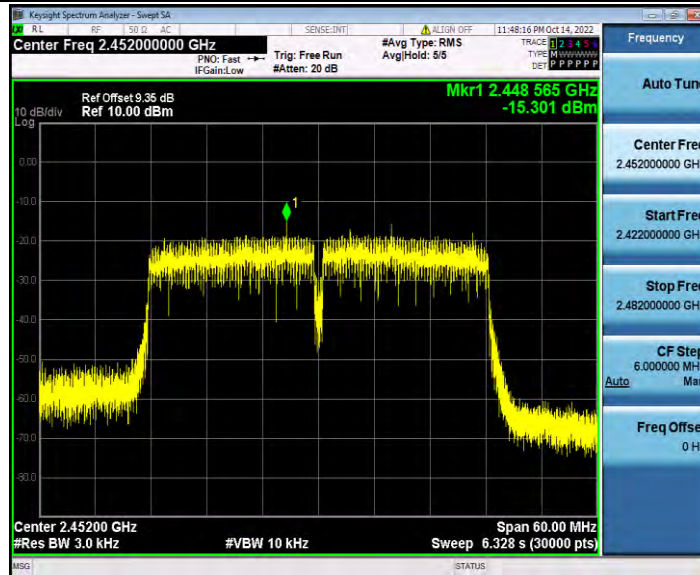
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



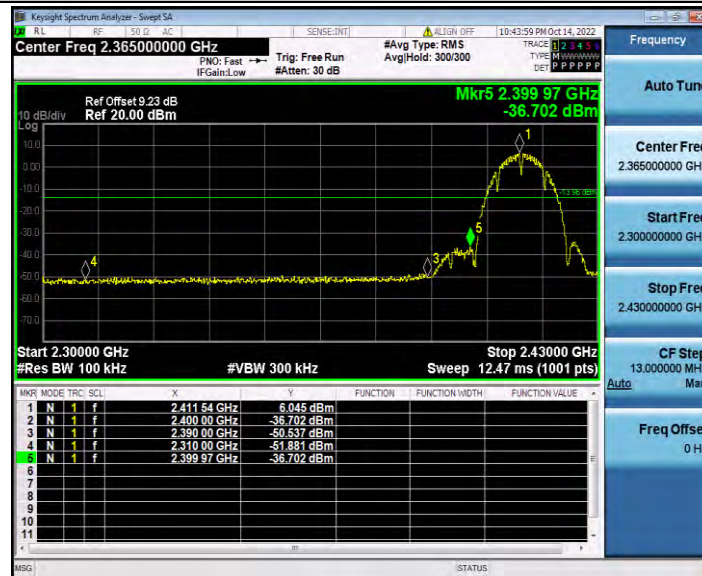
Appendix C.5: Band edge measurements

Test Result

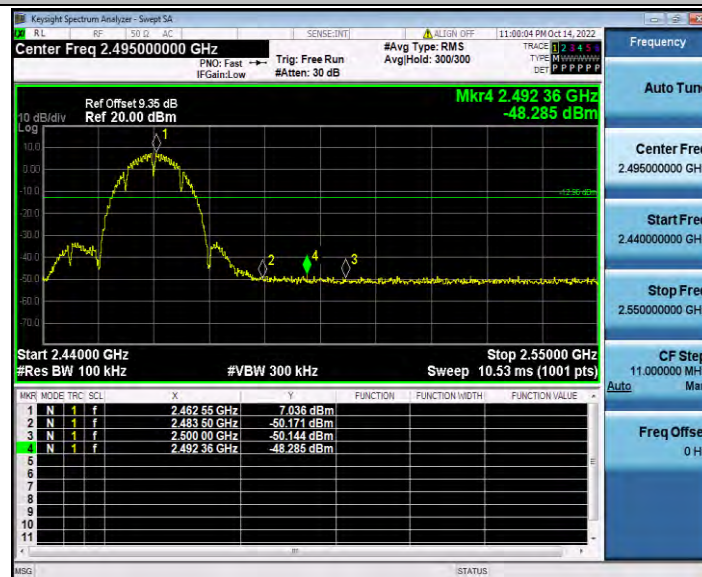
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.05	-36.7	≤-13.96	PASS
		High	2462	7.04	-48.29	≤-12.96	PASS
11G	Ant1	Low	2412	-2.97	-38.78	≤-22.97	PASS
		High	2462	-1.87	-48.13	≤-21.87	PASS
11N20SISO	Ant1	Low	2412	-2.72	-36.89	≤-22.72	PASS
		High	2462	-1.60	-46.54	≤-21.6	PASS
11N40SISO	Ant1	Low	2422	-3.32	-33.76	≤-23.32	PASS
		High	2452	-4.72	-45.05	≤-24.72	PASS

Test Graphs

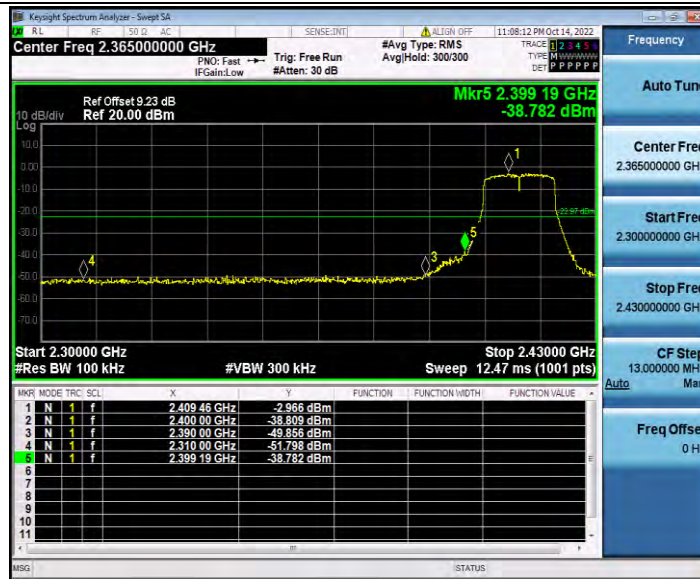
11B_Ant1_Low_2412



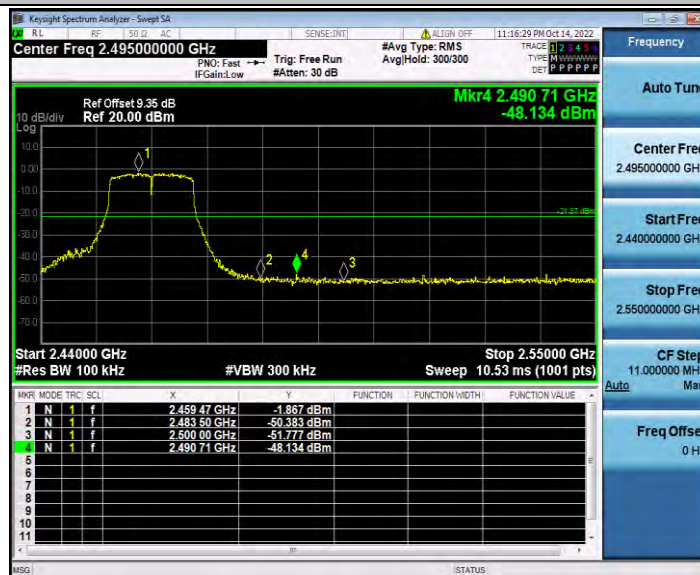
11B_Ant1_High_2462



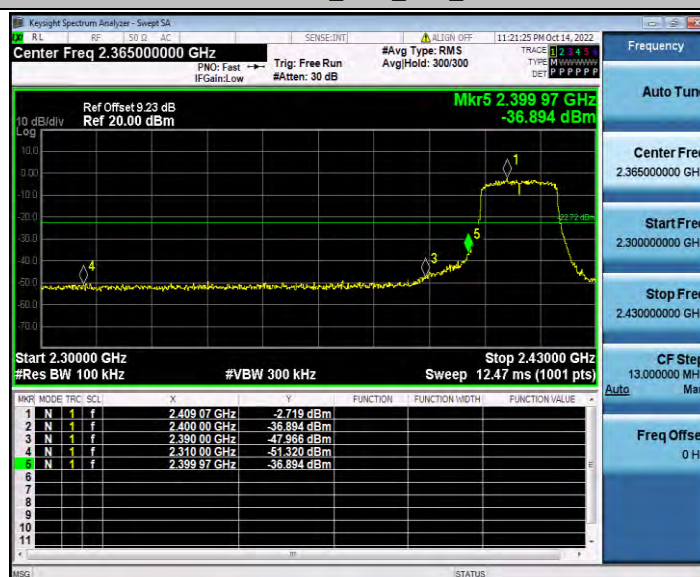
11G_Ant1_Low_2412



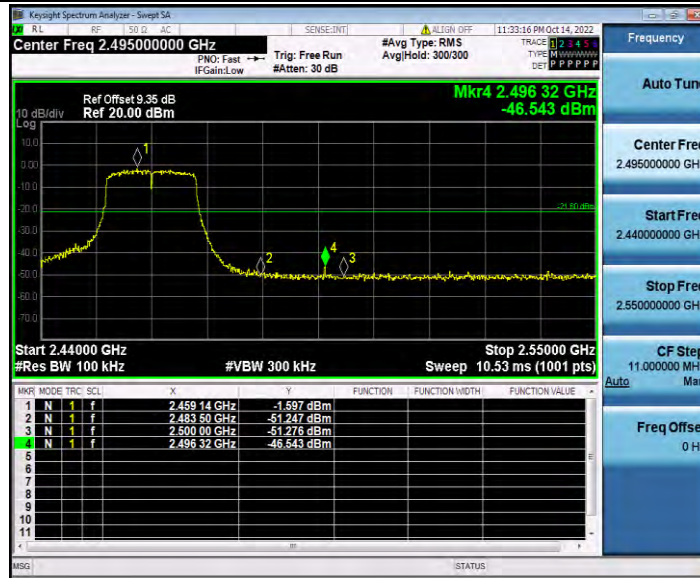
11G_Ant1_High_2462



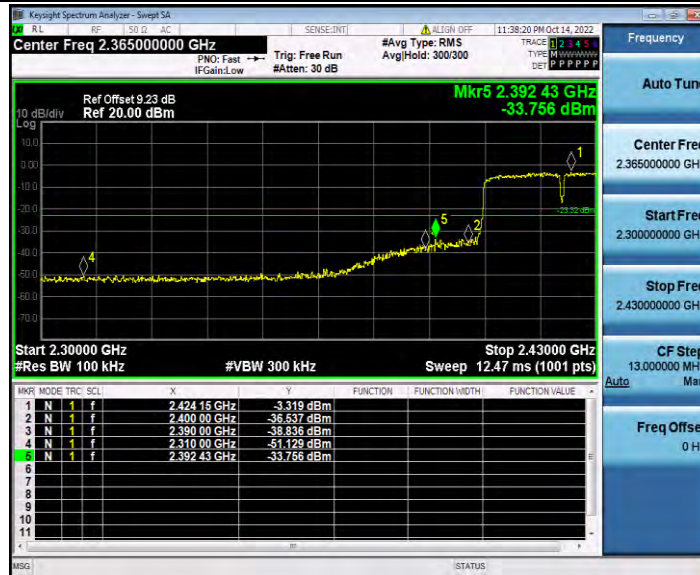
11N20SISO_Ant1_Low_2412



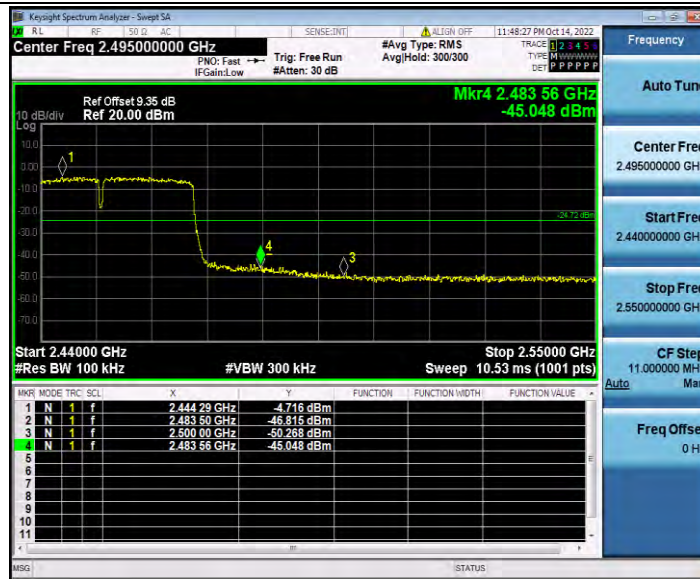
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

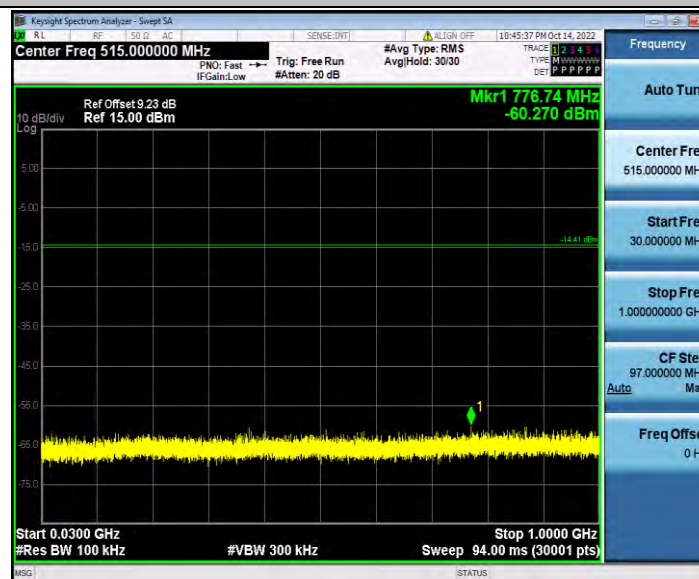
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.59	5.59	---	PASS
			30~1000	5.59	-60.27	≤ -14.41	PASS
			1000~26500	5.59	-47.66	≤ -14.41	PASS
		2437	Reference	6.91	6.91	---	PASS
			30~1000	6.91	-59.4	≤ -13.09	PASS
			1000~26500	6.91	-44.95	≤ -13.09	PASS
		2462	Reference	6.91	6.91	---	PASS
			30~1000	6.91	-59.74	≤ -13.09	PASS
			1000~26500	6.91	-47.37	≤ -13.09	PASS
11G	Ant1	2412	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-60.5	≤ -23.66	PASS
			1000~26500	-3.66	-47.44	≤ -23.66	PASS
		2437	Reference	-0.98	-0.98	---	PASS
			30~1000	-0.98	-60.18	≤ -20.98	PASS
			1000~26500	-0.98	-47.27	≤ -20.98	PASS
		2462	Reference	-2.63	-2.63	---	PASS
			30~1000	-2.63	-60.29	≤ -22.63	PASS
			1000~26500	-2.63	-47.85	≤ -22.63	PASS
11N20SISO	Ant1	2412	Reference	-3.90	-3.90	---	PASS
			30~1000	-3.90	-60.53	≤ -23.9	PASS
			1000~26500	-3.90	-47.39	≤ -23.9	PASS
		2437	Reference	-2.59	-2.59	---	PASS
			30~1000	-2.59	-60.63	≤ -22.59	PASS
			1000~26500	-2.59	-47.74	≤ -22.59	PASS
		2462	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-59.72	≤ -22.74	PASS
			1000~26500	-2.74	-47.55	≤ -22.74	PASS
11N40SISO	Ant1	2422	Reference	-3.84	-3.84	---	PASS
			30~1000	-3.84	-59.24	≤ -23.84	PASS
			1000~26500	-3.84	-47.09	≤ -23.84	PASS
		2437	Reference	-6.05	-6.05	---	PASS
			30~1000	-6.05	-60.87	≤ -26.05	PASS
			1000~26500	-6.05	-48.15	≤ -26.05	PASS
		2452	Reference	-5.28	-5.28	---	PASS
			30~1000	-5.28	-59.98	≤ -25.28	PASS
			1000~26500	-5.28	-47.15	≤ -25.28	PASS

Test Graphs

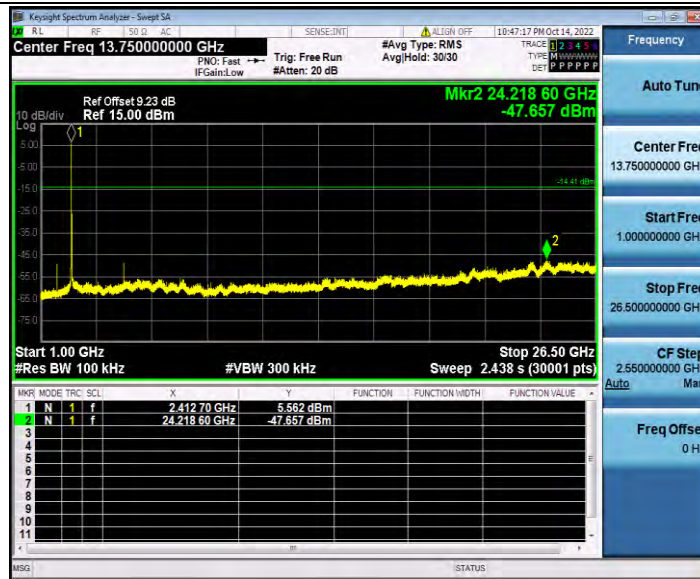
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



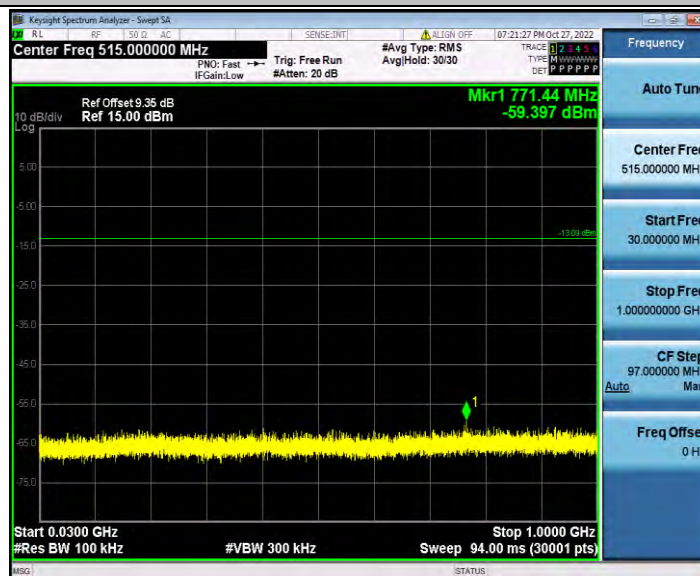
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



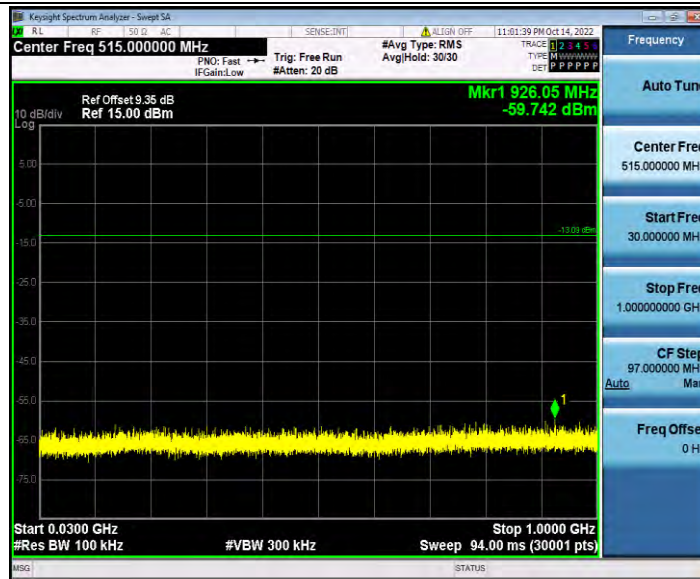
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



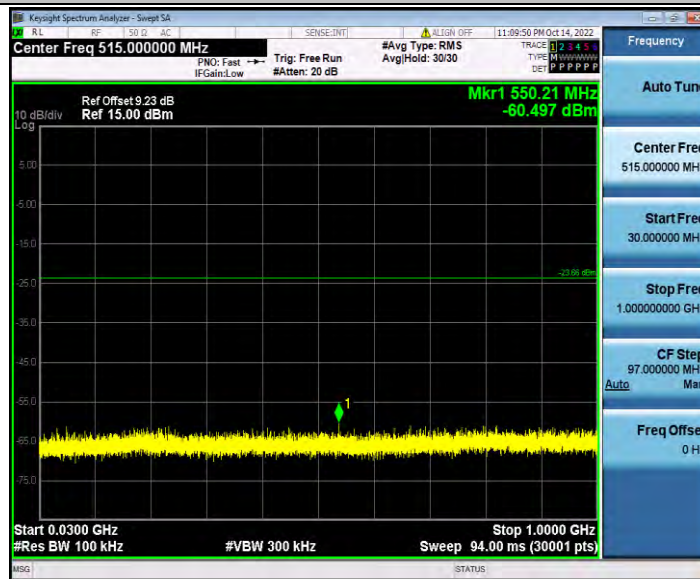
11B_Ant1_2462_1000~26500



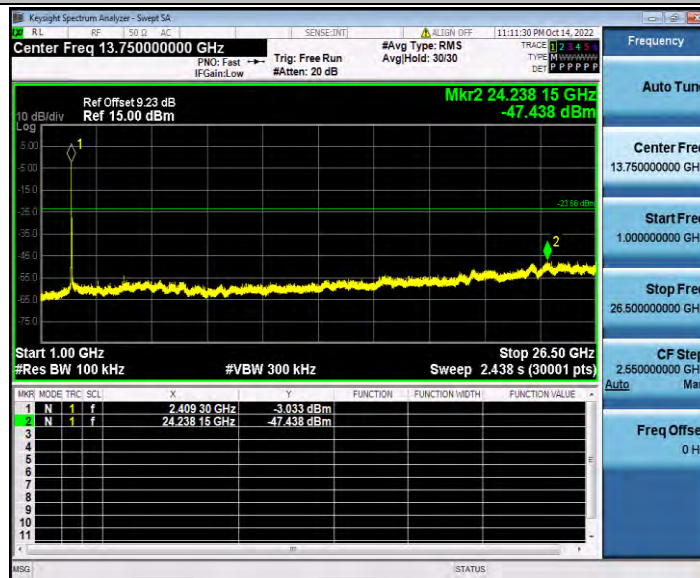
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



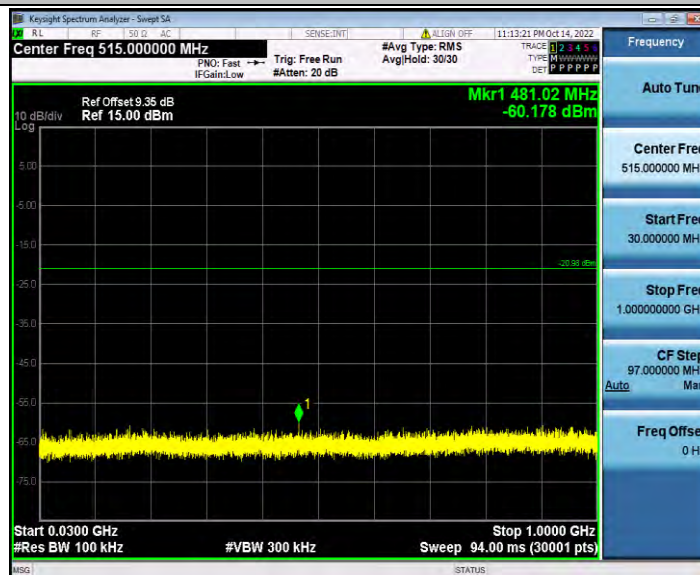
11G_Ant1_2412_1000~26500



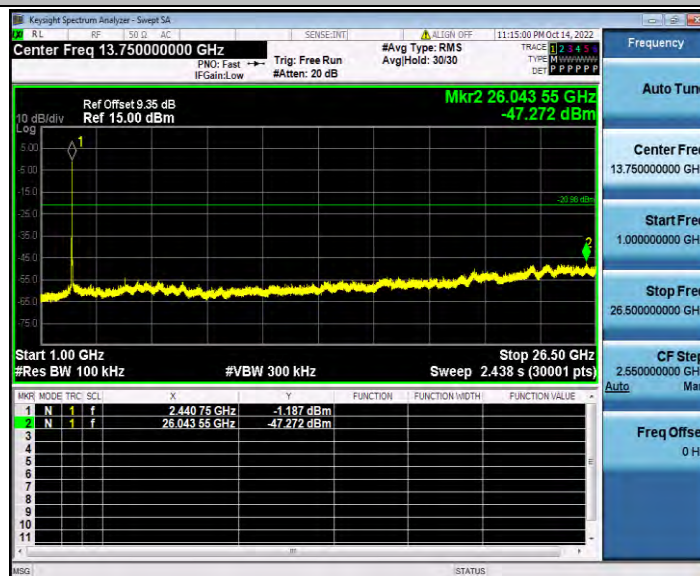
11G_Ant1_2437_0~Reference



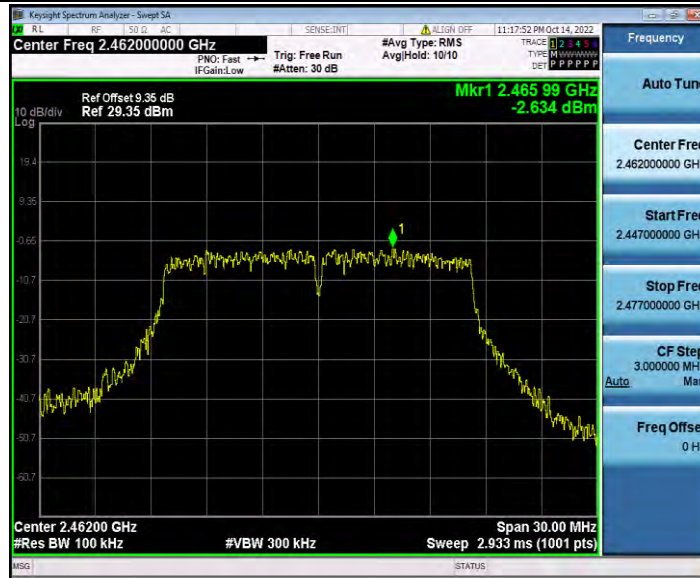
11G_Ant1_2437_30~1000



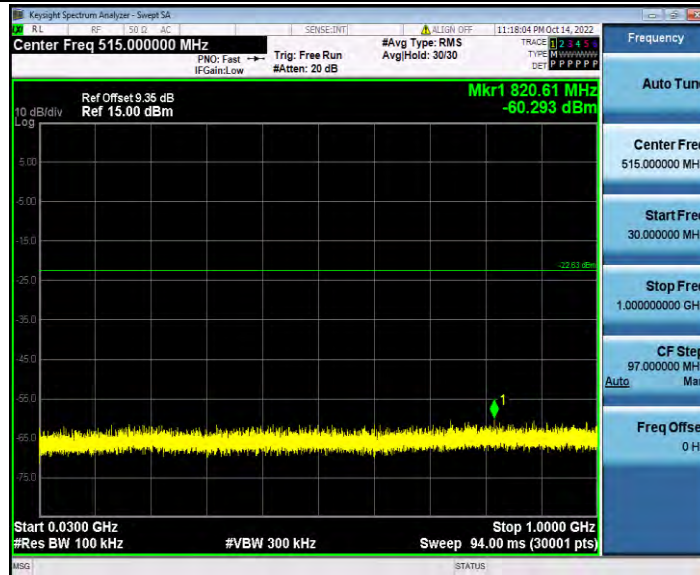
11G_Ant1_2437_1000~26500



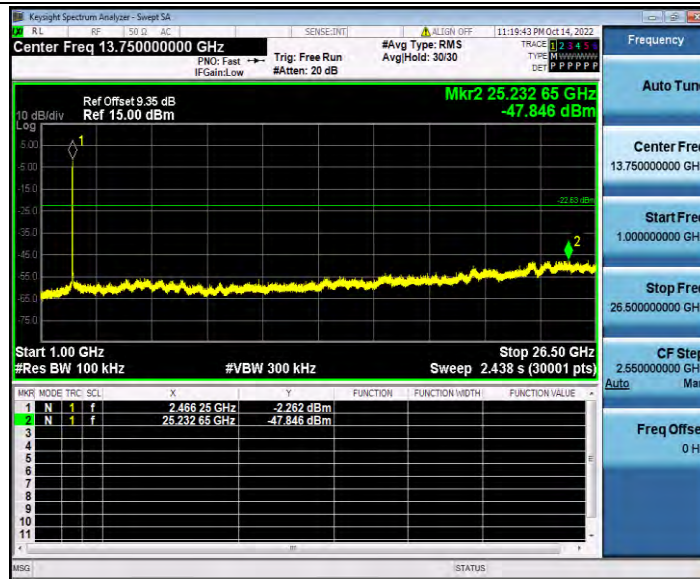
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



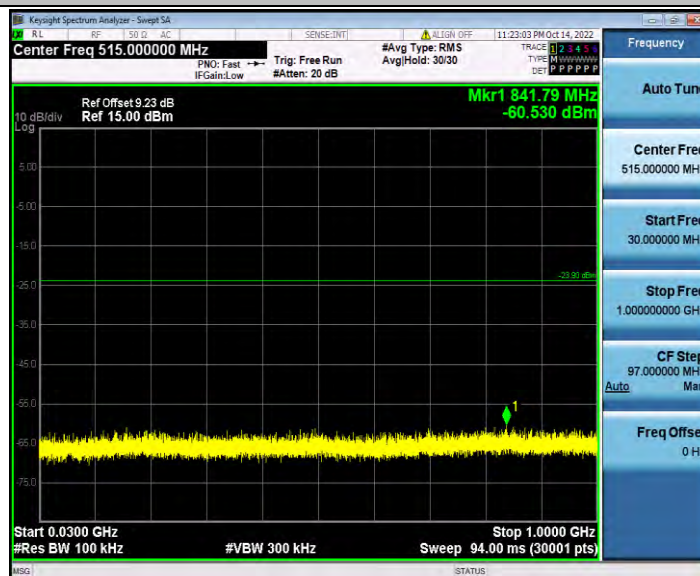
11G_Ant1_2462_1000~26500



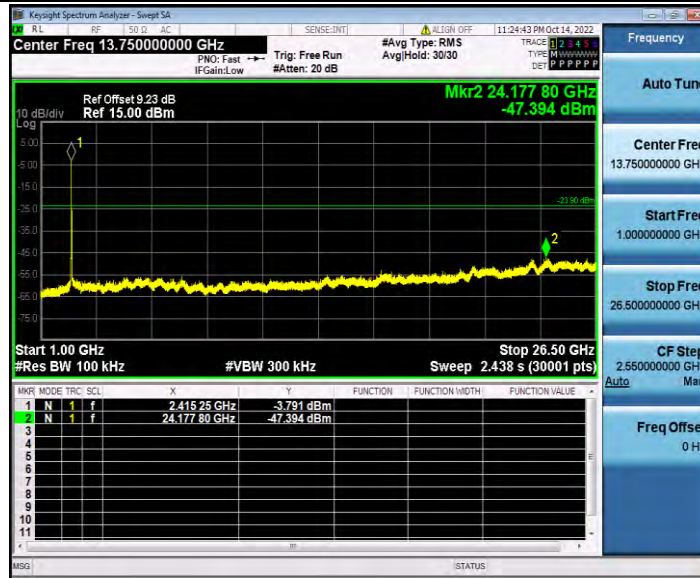
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



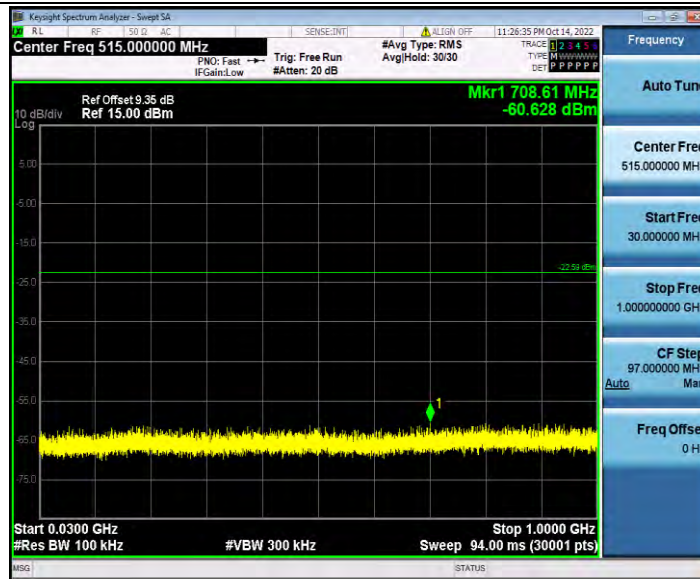
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



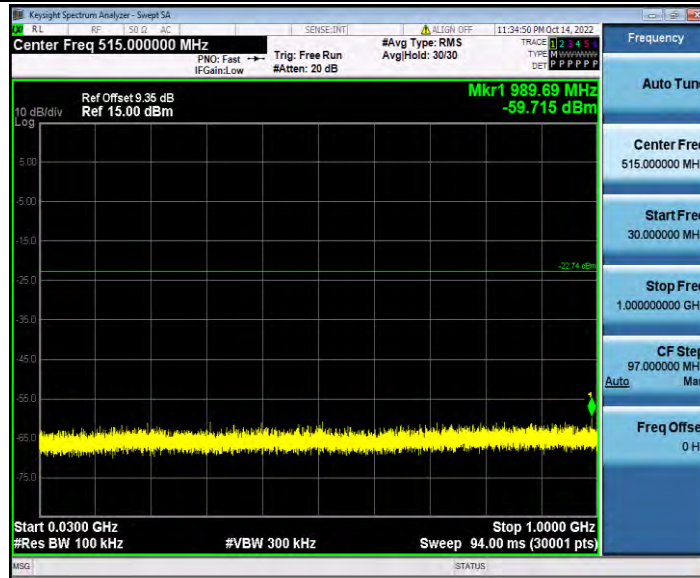
11N20SISO_Ant1_2437_1000~26500



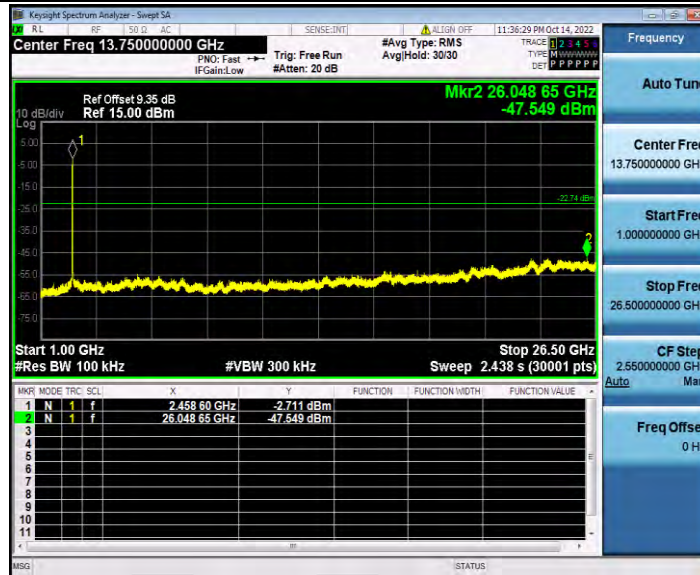
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



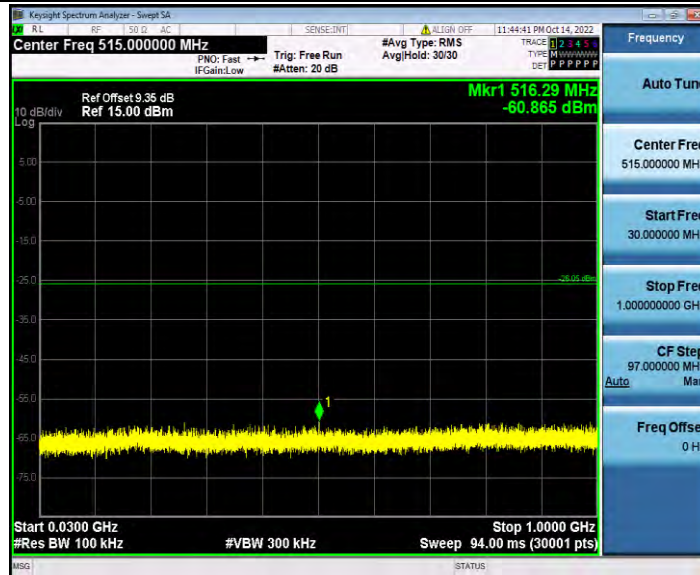
11N40SISO_Ant1_2422_1000~26500



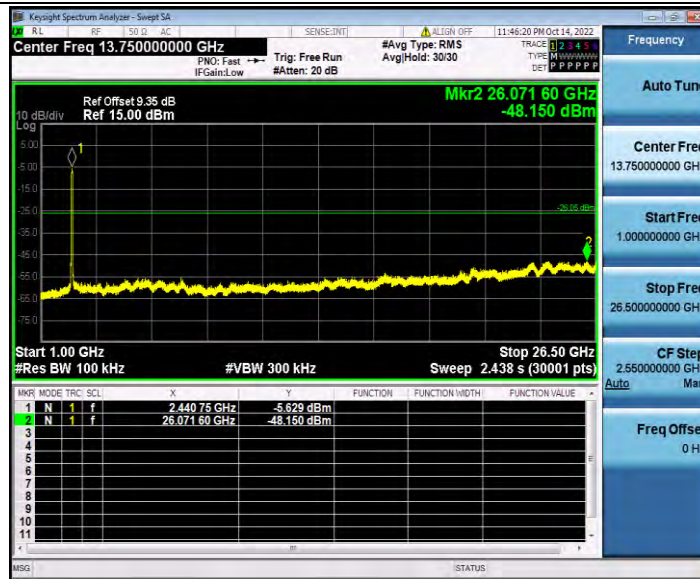
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



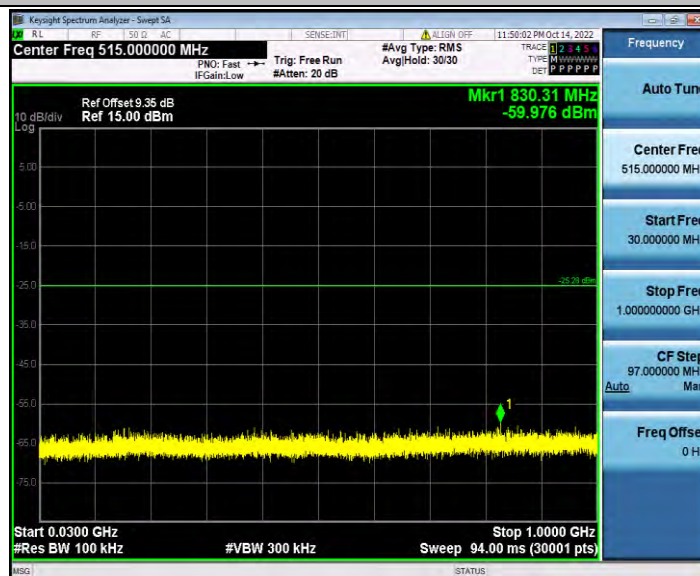
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

