

Case No. : GTS20221206017-1-1	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.30	Test Engineer: Jenny zeng

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	10.080	2431.960	2442.040	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	15.880	2403.840	2419.720	0.5	PASS
		2437	16.000	2429.120	2445.120	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.280	2403.840	2420.120	0.5	PASS
		2437	15.000	2430.360	2445.360	0.5	PASS
		2462	16.400	2453.480	2469.880	0.5	PASS
11N40SISO	Ant1	2422	35.360	2404.240	2439.600	0.5	PASS
		2437	35.200	2419.400	2454.600	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

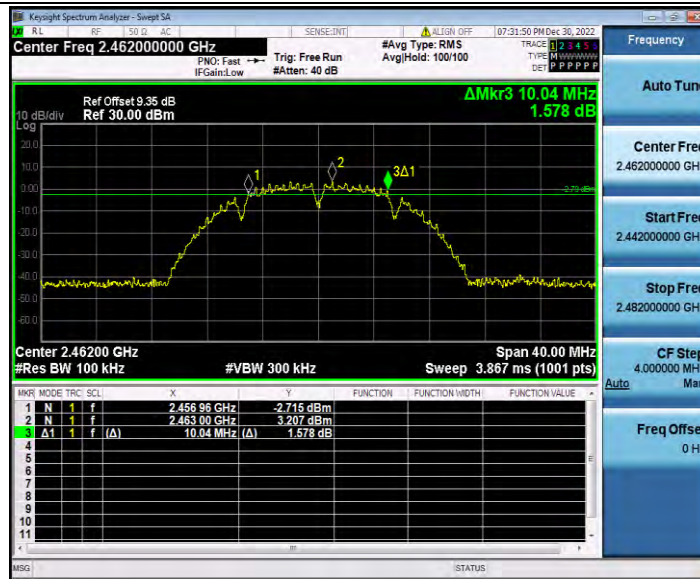
11B_Ant1_2412



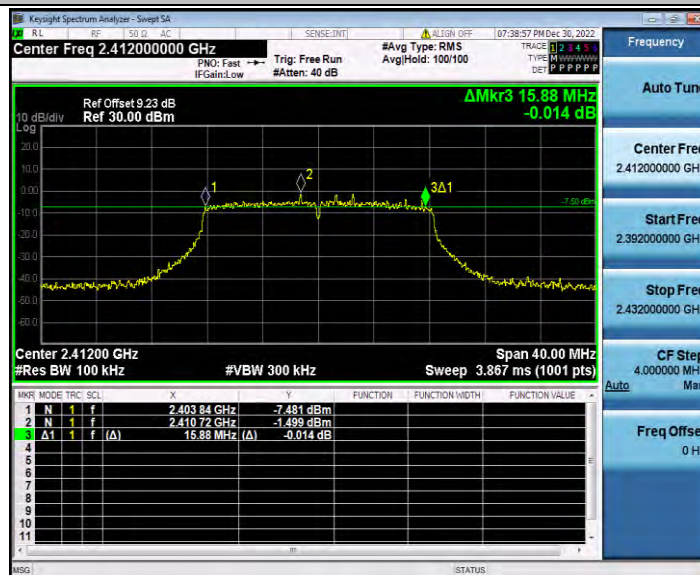
11B_Ant1_2437



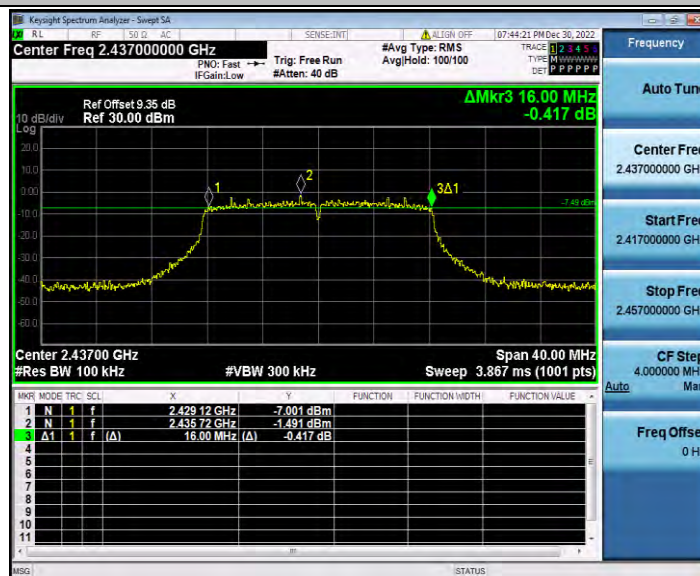
11B_Ant1_2462



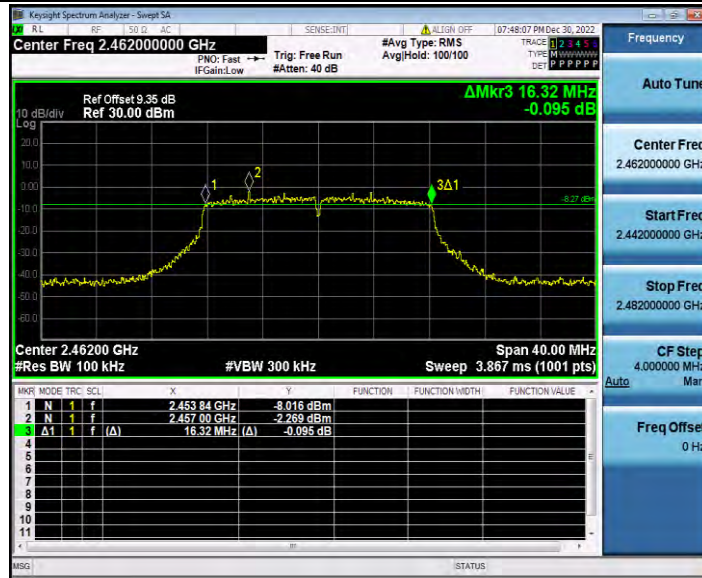
11G_Ant1_2412



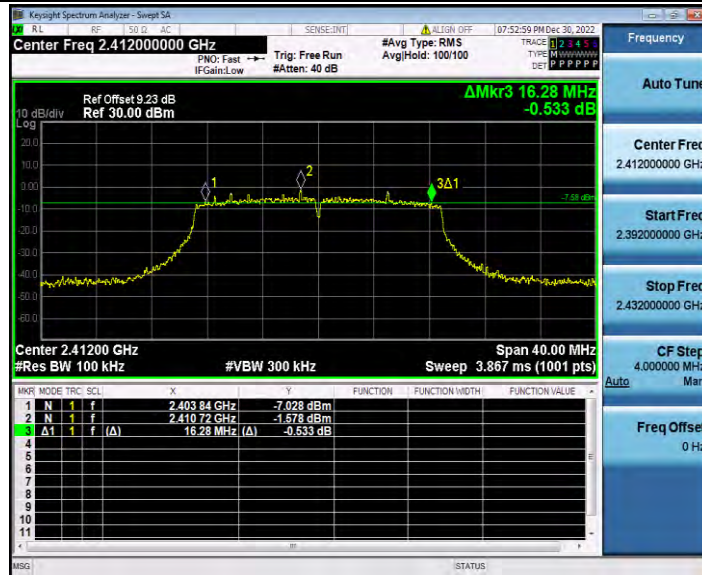
11G_Ant1_2437



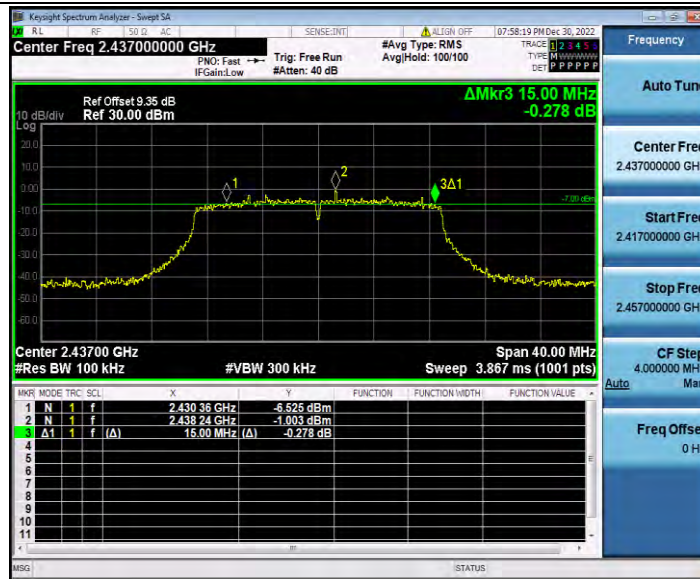
11G_Ant1_2462



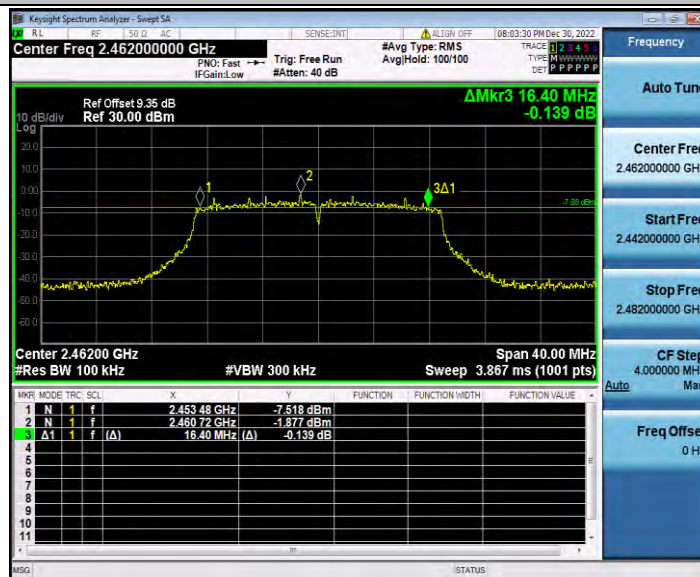
11N20SISO_Ant1_2412



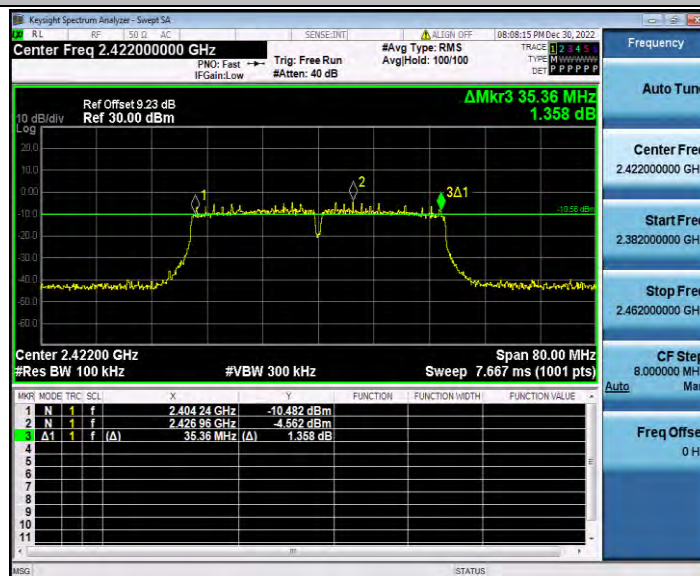
11N20SISO_Ant1_2437



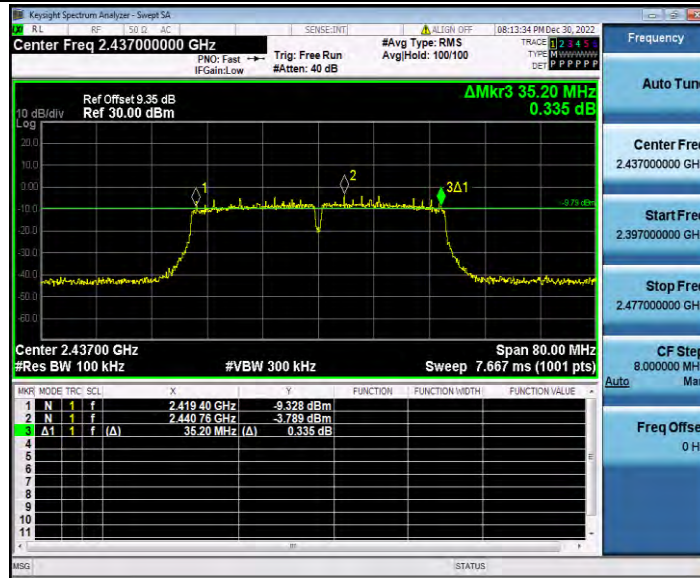
11N20SISO_Ant1_2462



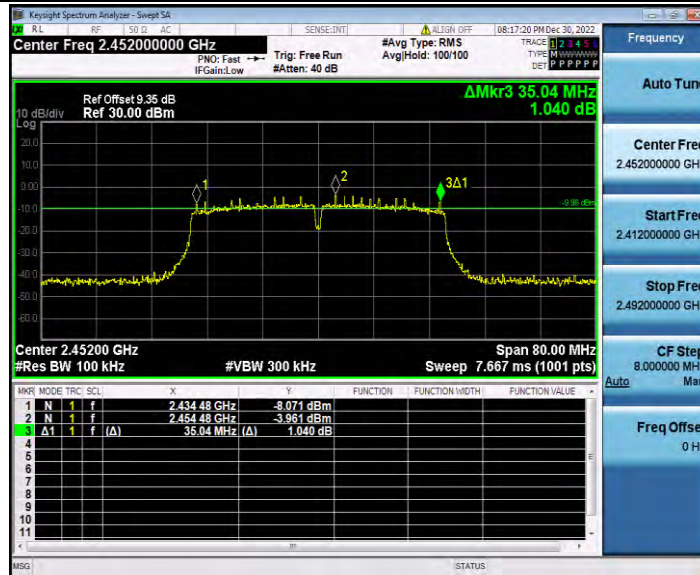
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.591	2404.666	2419.257	---	---
		2437	14.569	2429.771	2444.340	---	---
		2462	14.653	2454.643	2469.296	---	---
11G	Ant1	2412	16.745	2403.644	2420.389	---	---
		2437	16.719	2428.686	2445.405	---	---
		2462	16.726	2453.614	2470.340	---	---
11N20SISO	Ant1	2412	17.847	2403.012	2420.859	---	---
		2437	17.896	2428.091	2445.987	---	---
		2462	17.802	2453.103	2470.905	---	---
11N40SISO	Ant1	2422	36.294	2403.804	2440.098	---	---
		2437	36.387	2418.865	2455.252	---	---
		2452	36.183	2433.974	2470.157	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



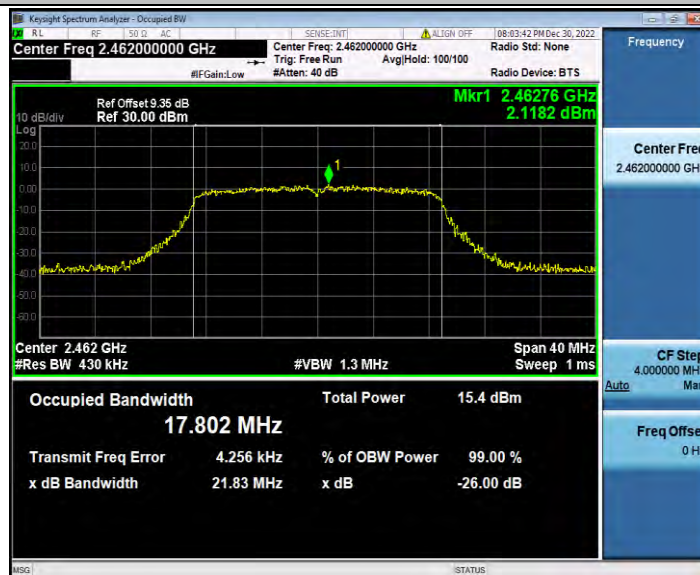
11N20SISO_Ant1_2412



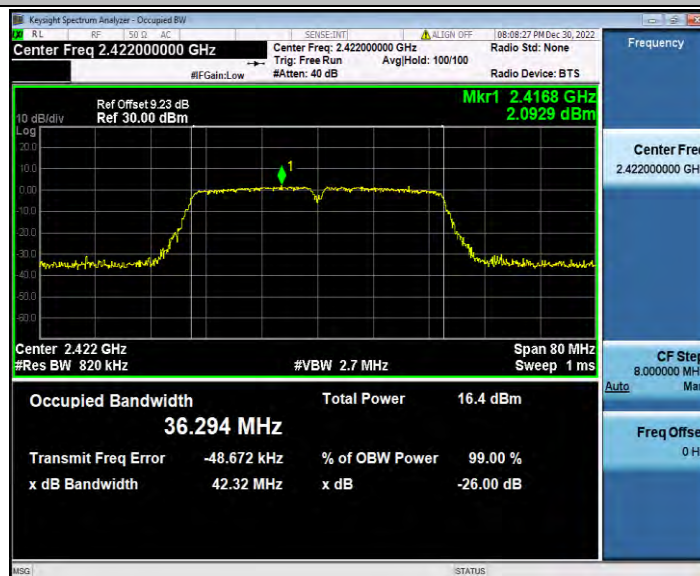
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



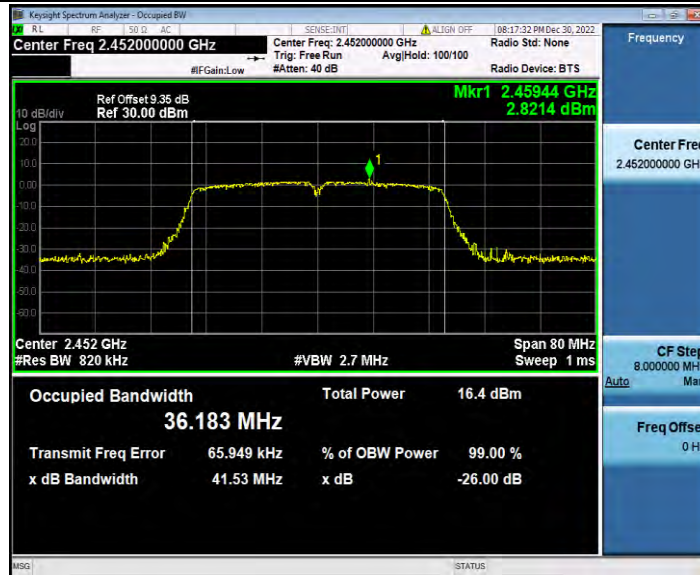
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.88	≤30.00	PASS
		2437	16.02	≤30.00	PASS
		2462	15.98	≤30.00	PASS
11G	Ant1	2412	16.72	≤30.00	PASS
		2437	16.96	≤30.00	PASS
		2462	16.71	≤30.00	PASS
11N20SISO	Ant1	2412	16.65	≤30.00	PASS
		2437	16.86	≤30.00	PASS
		2462	16.70	≤30.00	PASS
11N40SISO	Ant1	2422	16.71	≤30.00	PASS
		2437	17.02	≤30.00	PASS
		2452	16.72	≤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	-11.04	≤8.00	PASS
		2437	-10.51	≤8.00	PASS
		2462	-10.93	≤8.00	PASS
11G	Ant1	2412	-15.62	≤8.00	PASS
		2437	-15.23	≤8.00	PASS
		2462	-14.91	≤8.00	PASS
11N20SISO	Ant1	2412	-15.94	≤8.00	PASS
		2437	-15.57	≤8.00	PASS
		2462	-15.82	≤8.00	PASS
11N40SISO	Ant1	2422	-18.98	≤8.00	PASS
		2437	-18.02	≤8.00	PASS
		2452	-18.61	≤8.00	PASS

Test Graphs

11B_Ant1_2412



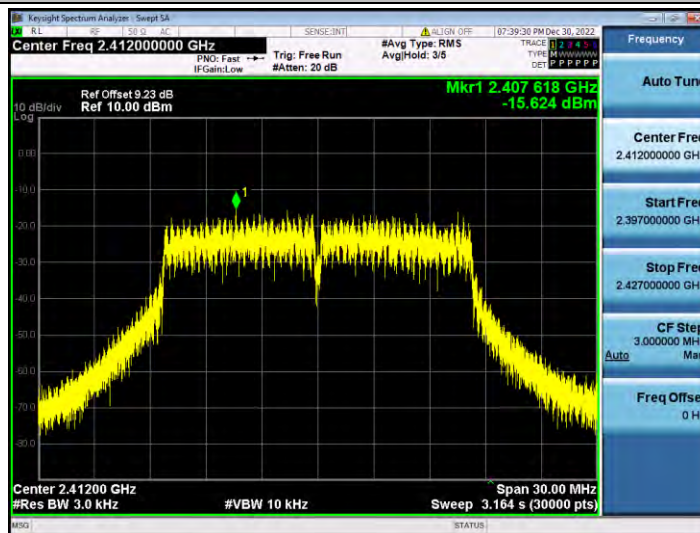
11B_Ant1_2437



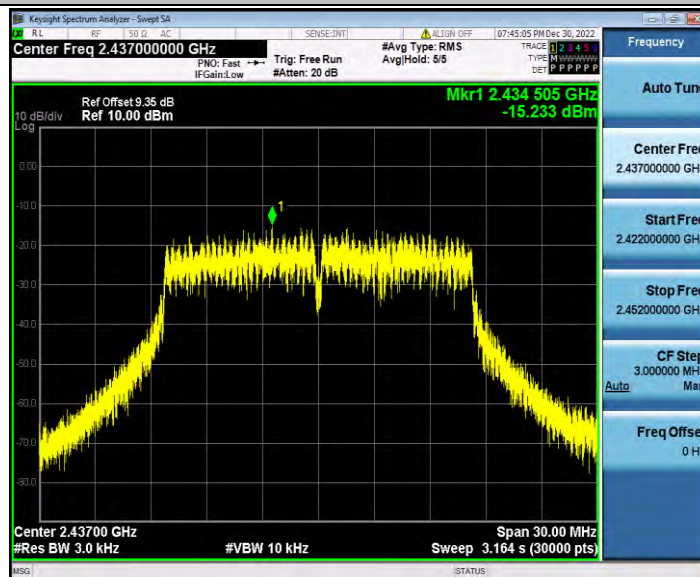
11B_Ant1_2462



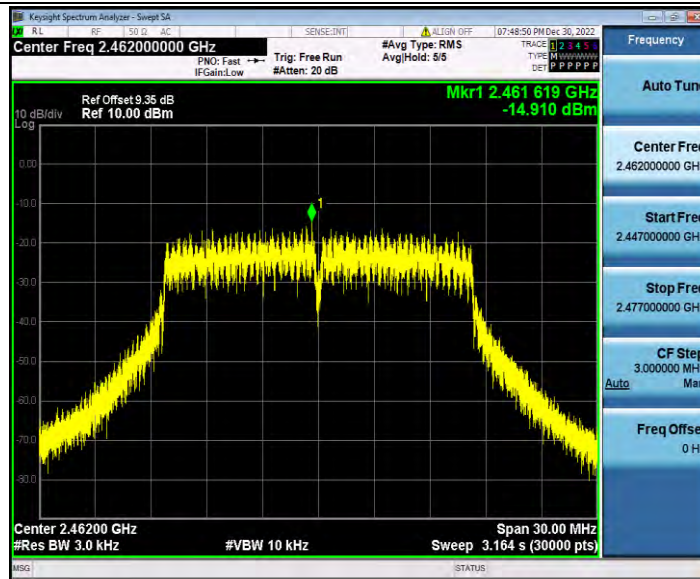
11G_Ant1_2412



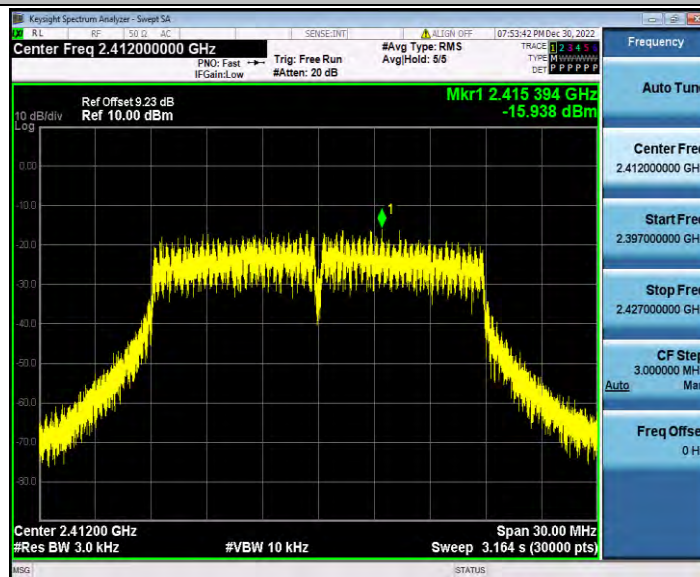
11G_Ant1_2437



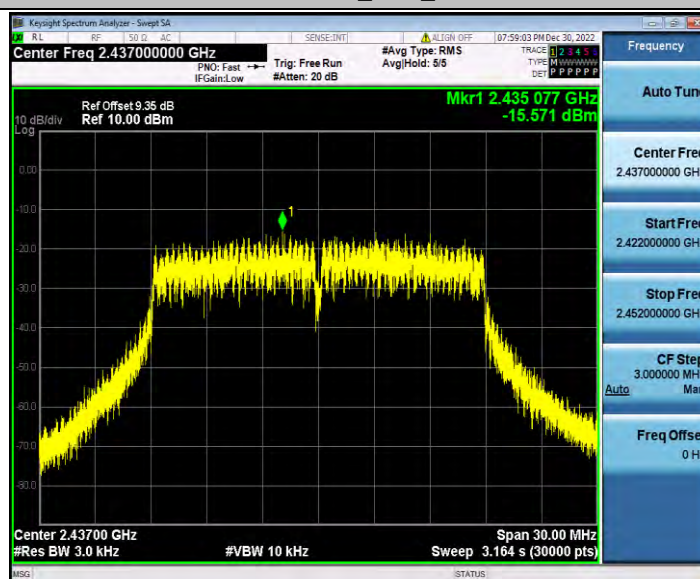
11G_Ant1_2462



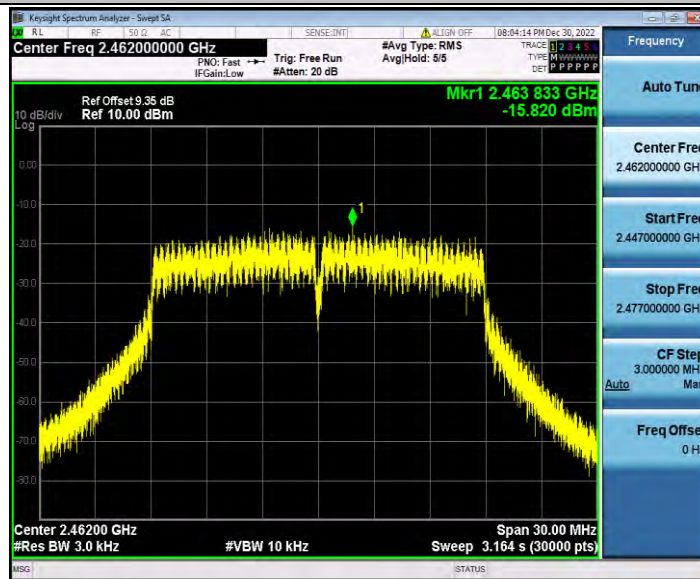
11N20SISO_Ant1_2412



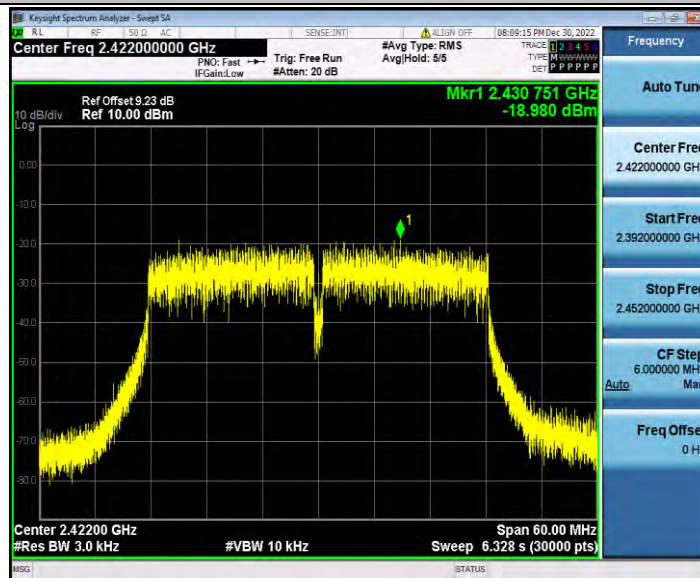
11N20SISO_Ant1_2437



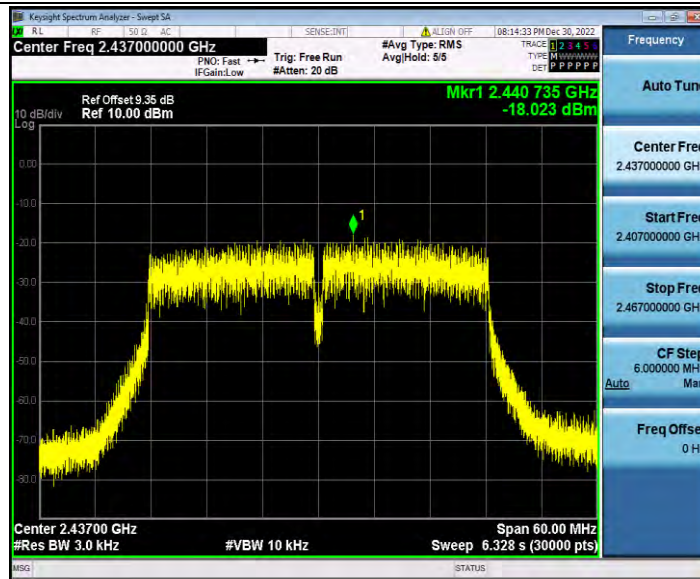
11N20SISO_Ant1_2462



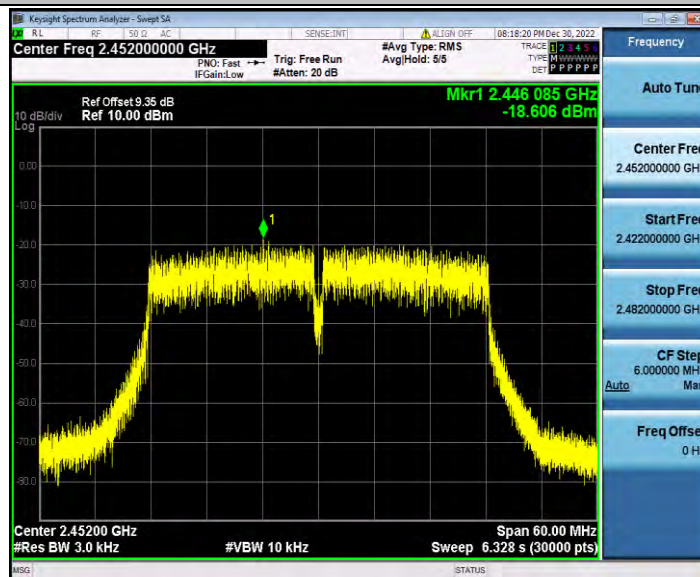
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



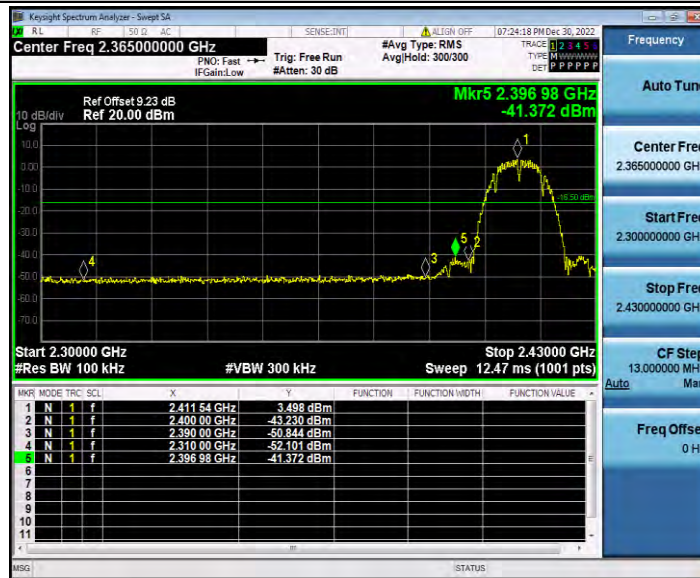
Appendix A.5: Band edge measurements

Test Result

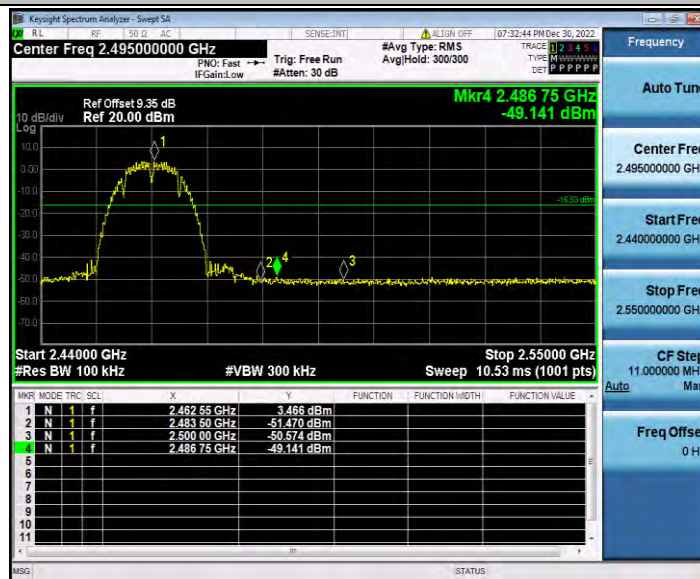
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.50	-41.37	≤-16.5	PASS
		High	2462	3.47	-49.14	≤-16.53	PASS
11G	Ant1	Low	2412	-1.08	-39.47	≤-21.08	PASS
		High	2462	-0.86	-49.16	≤-20.86	PASS
11N20SISO	Ant1	Low	2412	-1.71	-38.17	≤-21.71	PASS
		High	2462	-1.56	-48.89	≤-21.56	PASS
11N40SISO	Ant1	Low	2422	-4.35	-42.34	≤-24.35	PASS
		High	2452	-3.99	-48.17	≤-23.99	PASS

Test Graphs

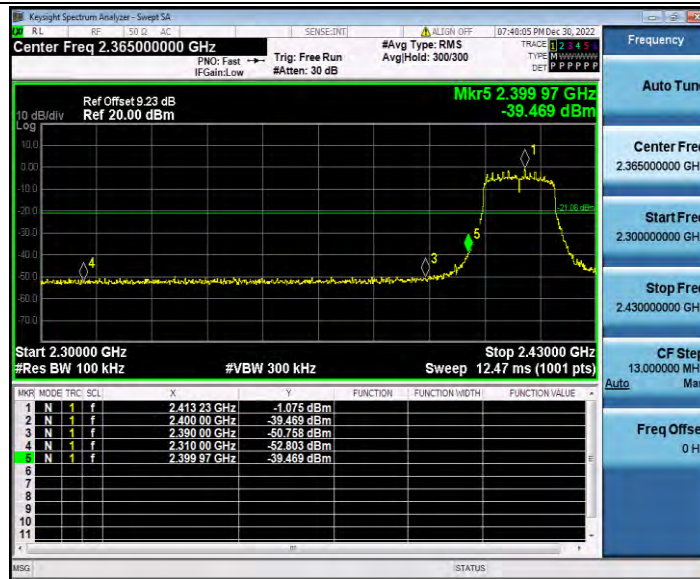
11B_Ant1_Low_2412



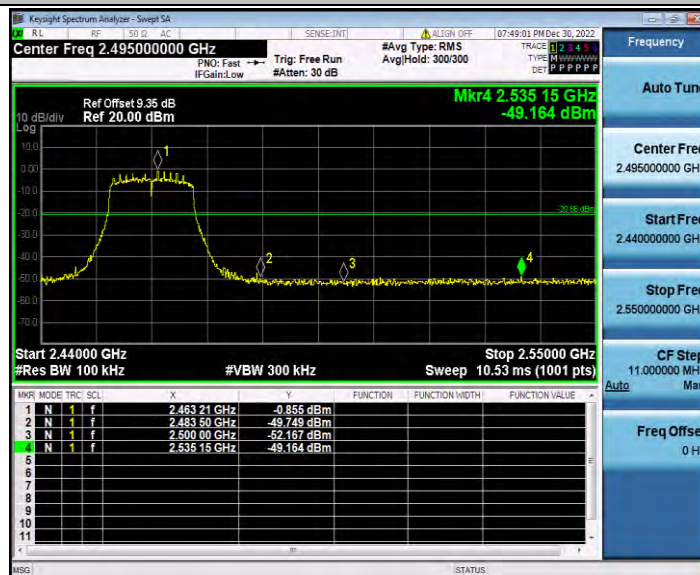
11B_Ant1_High_2462



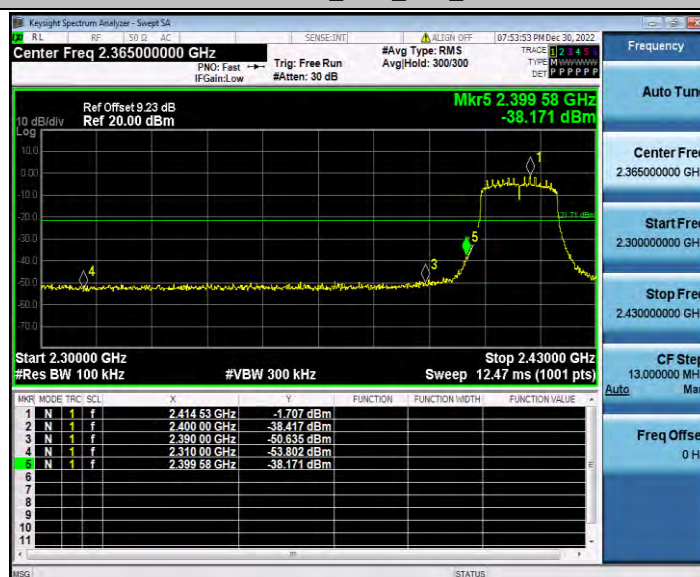
11G_Ant1_Low_2412



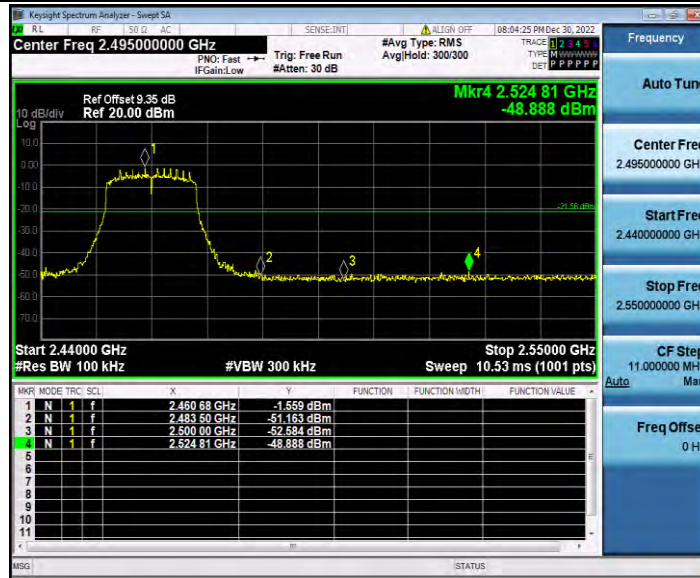
11G_Ant1_High_2462



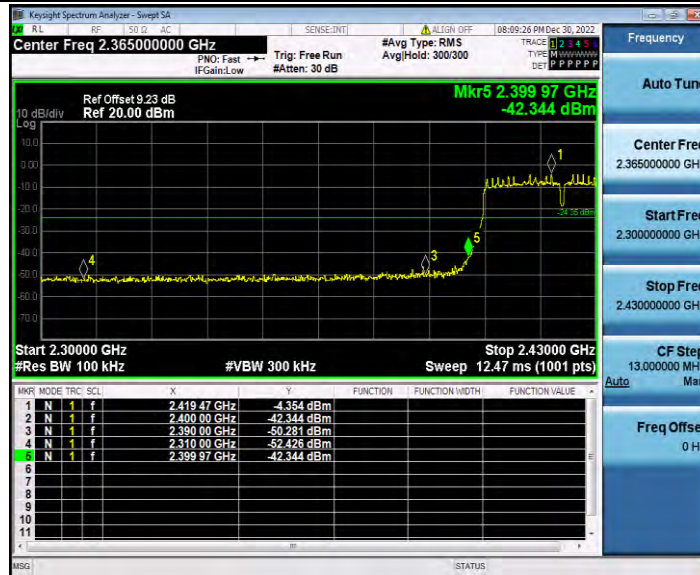
11N20SISO_Ant1_Low_2412



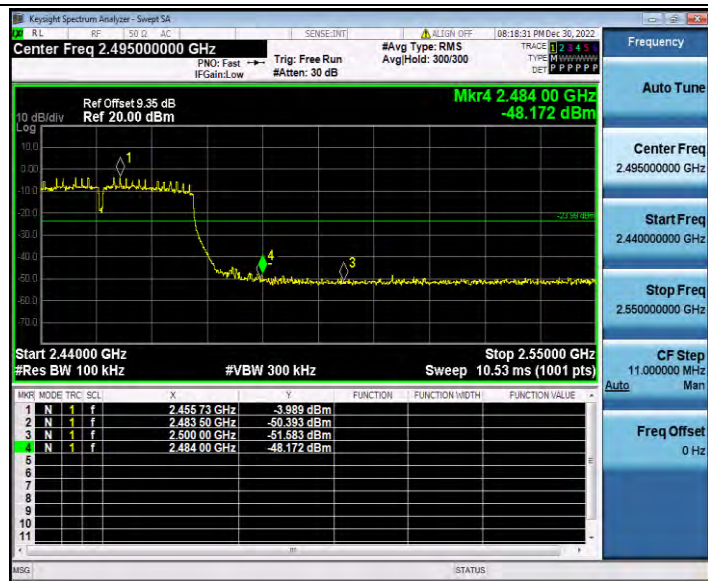
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix A.6: Conducted Spurious Emission

Test Result

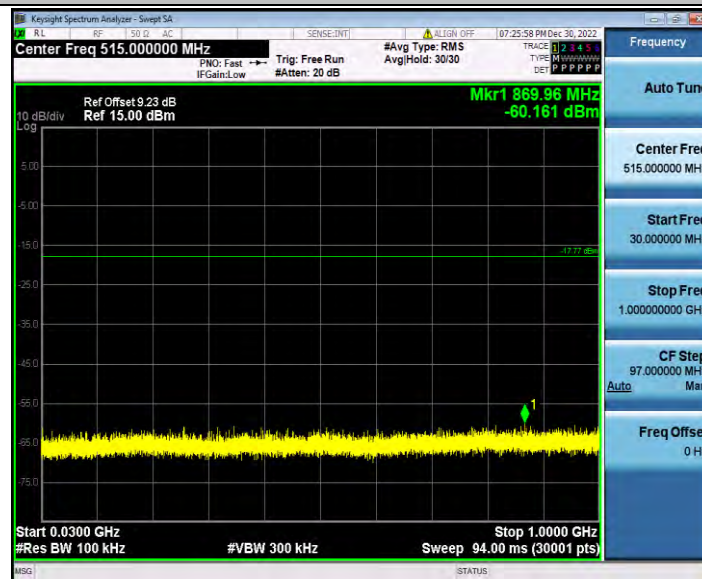
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.23	2.23	---	PASS
			30~1000	2.23	-60.16	≤ -17.77	PASS
			1000~26500	2.23	-47.49	≤ -17.77	PASS
		2437	Reference	2.49	2.49	---	PASS
			30~1000	2.49	-59.58	≤ -17.51	PASS
			1000~26500	2.49	-47.66	≤ -17.51	PASS
		2462	Reference	2.77	2.77	---	PASS
			30~1000	2.77	-58.07	≤ -17.23	PASS
			1000~26500	2.77	-47.51	≤ -17.23	PASS
11G	Ant1	2412	Reference	-4.98	-4.98	---	PASS
			30~1000	-4.98	-59.44	≤ -24.98	PASS
			1000~26500	-4.98	-47.24	≤ -24.98	PASS
		2437	Reference	-2.36	-2.36	---	PASS
			30~1000	-2.36	-60.03	≤ -22.36	PASS
			1000~26500	-2.36	-47.38	≤ -22.36	PASS
		2462	Reference	-1.75	-1.75	---	PASS
			30~1000	-1.75	-60.03	≤ -21.75	PASS
			1000~26500	-1.75	-47.49	≤ -21.75	PASS
11N20SISO	Ant1	2412	Reference	-3.69	-3.69	---	PASS
			30~1000	-3.69	-60.15	≤ -23.69	PASS
			1000~26500	-3.69	-47.62	≤ -23.69	PASS
		2437	Reference	-5.21	-5.21	---	PASS
			30~1000	-5.21	-59.95	≤ -25.21	PASS
			1000~26500	-5.21	-47.36	≤ -25.21	PASS
		2462	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-60.31	≤ -22.54	PASS
			1000~26500	-2.54	-48.16	≤ -22.54	PASS
11N40SISO	Ant1	2422	Reference	-4.61	-4.61	---	PASS
			30~1000	-4.61	-59.84	≤ -24.61	PASS
			1000~26500	-4.61	-48.05	≤ -24.61	PASS
		2437	Reference	-4.19	-4.19	---	PASS
			30~1000	-4.19	-59.83	≤ -24.19	PASS
			1000~26500	-4.19	-47.58	≤ -24.19	PASS
		2452	Reference	-6.13	-6.13	---	PASS
			30~1000	-6.13	-60.03	≤ -26.13	PASS
			1000~26500	-6.13	-47.92	≤ -26.13	PASS

Test Graphs

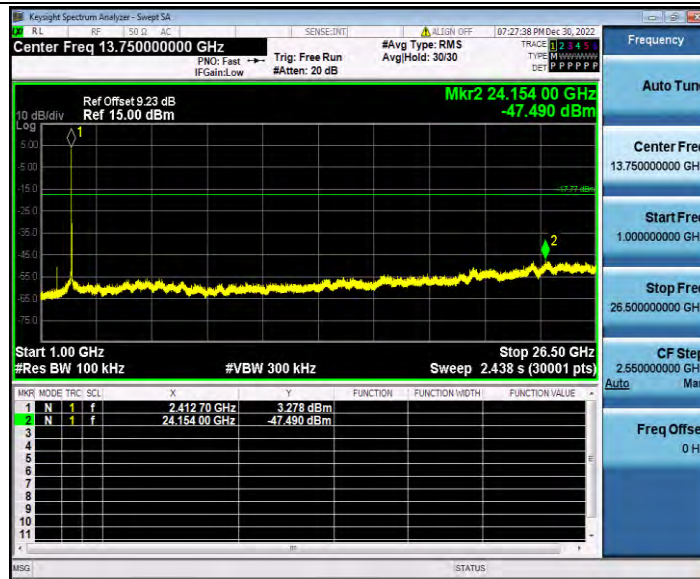
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



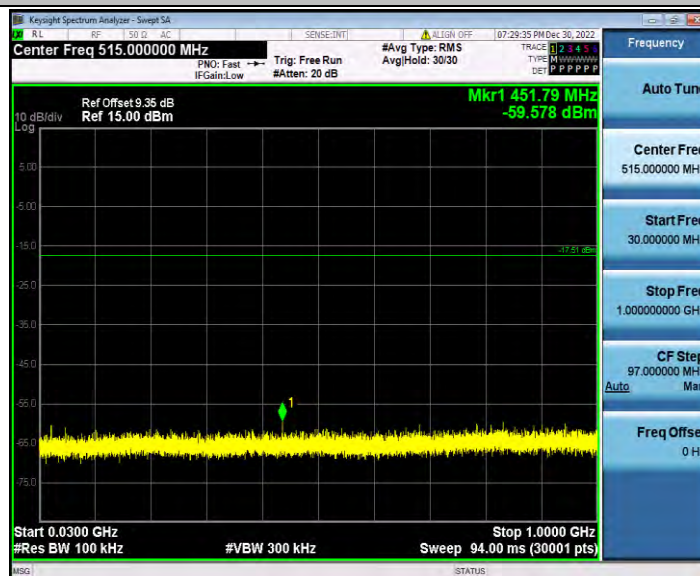
11B_Ant1_2412_1000~26500



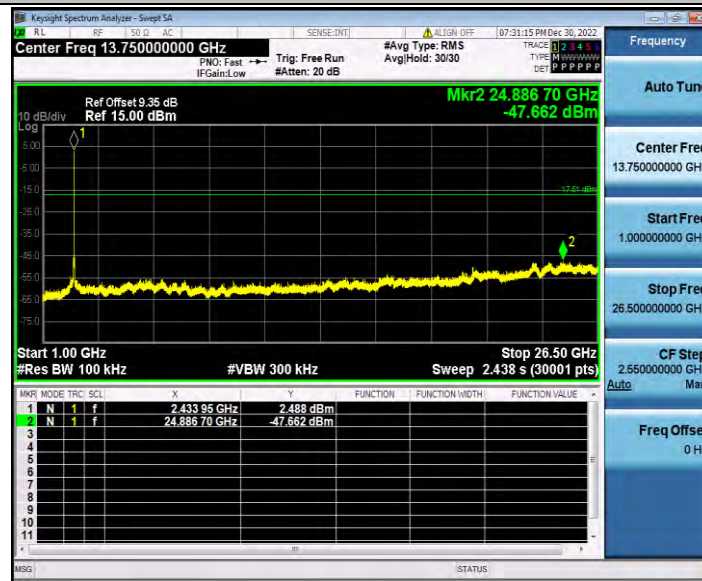
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



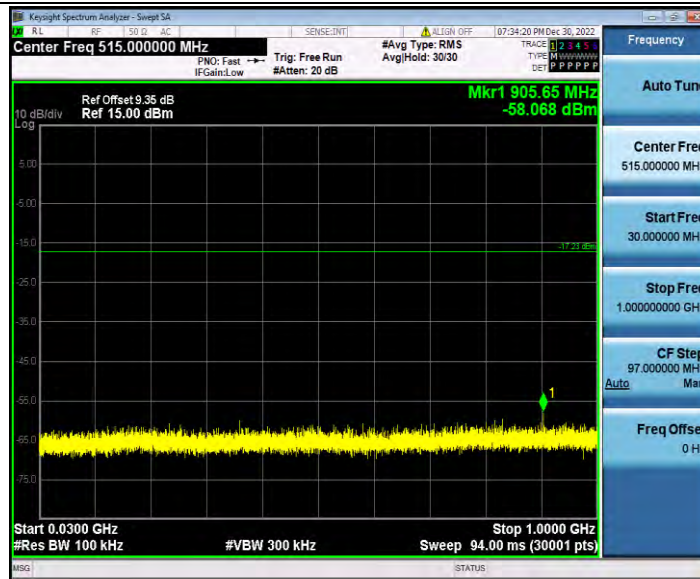
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



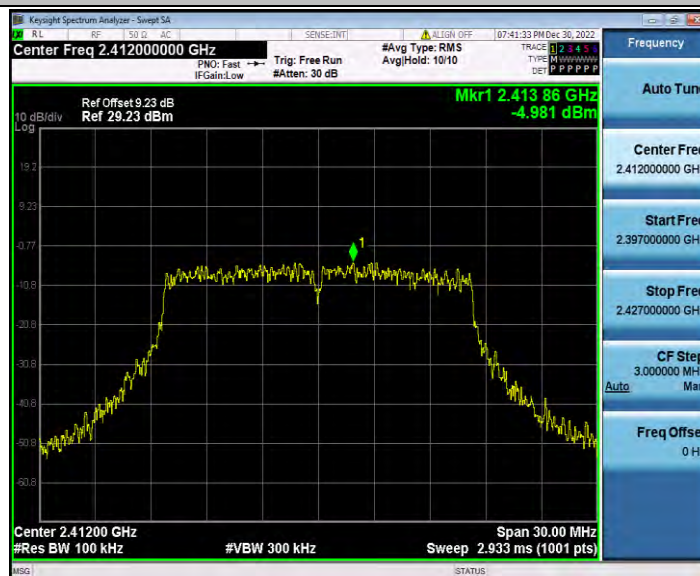
11B_Ant1_2462_30~1000



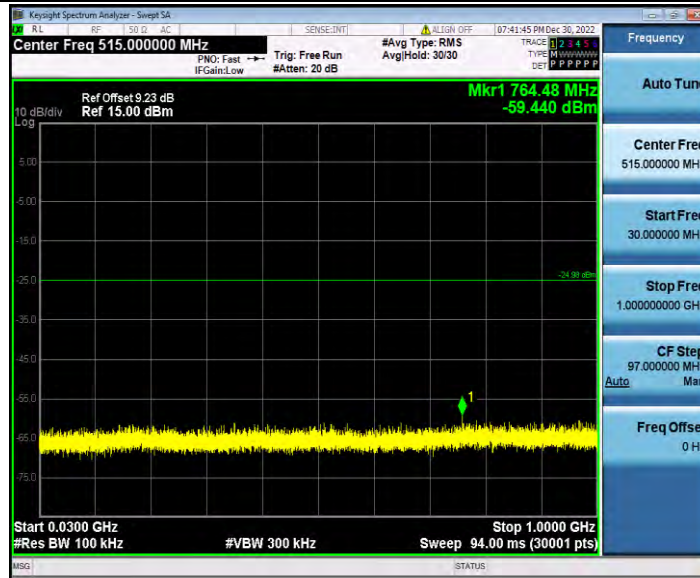
11B_Ant1_2462_1000~26500



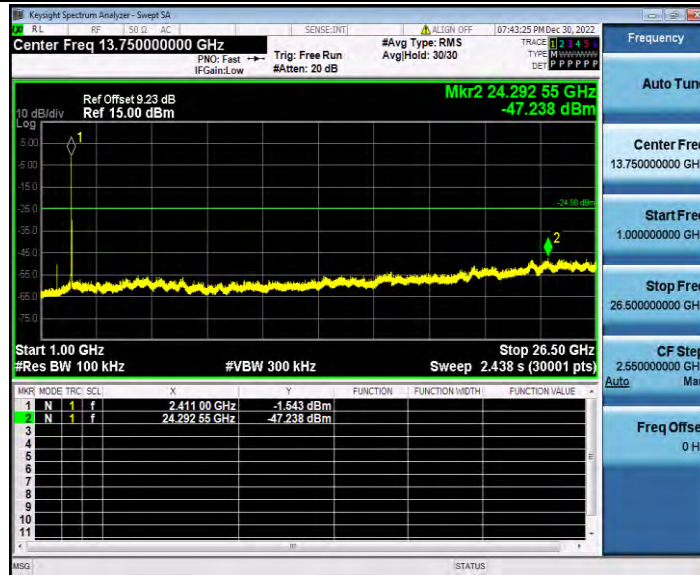
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



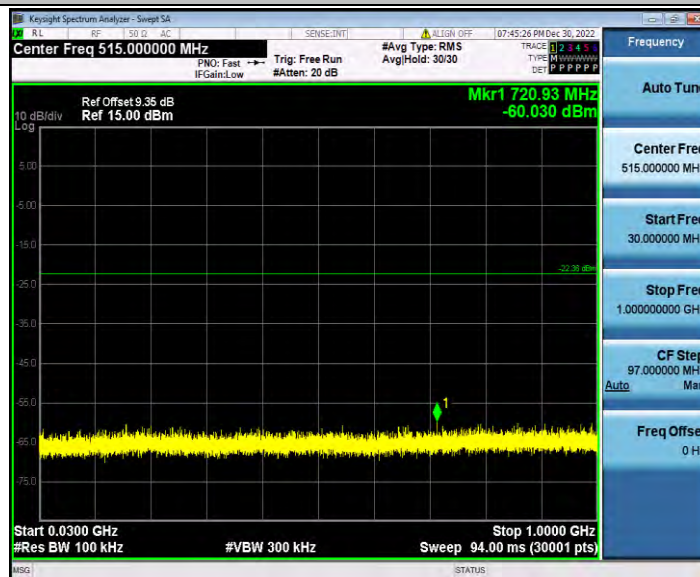
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



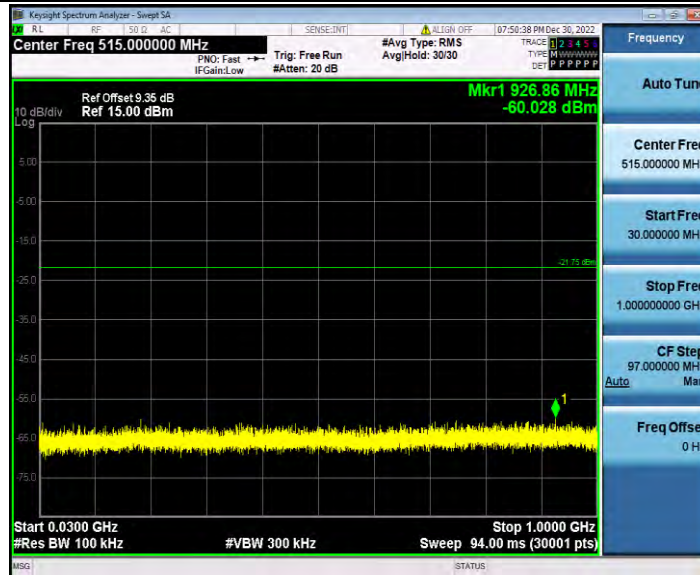
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



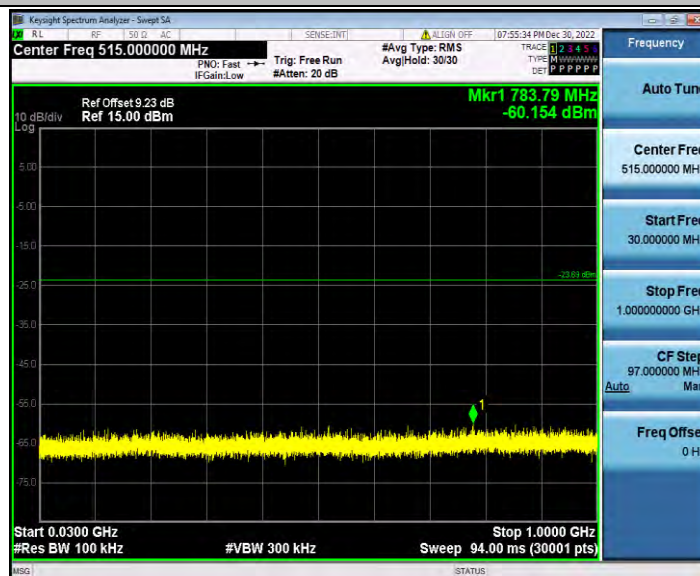
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



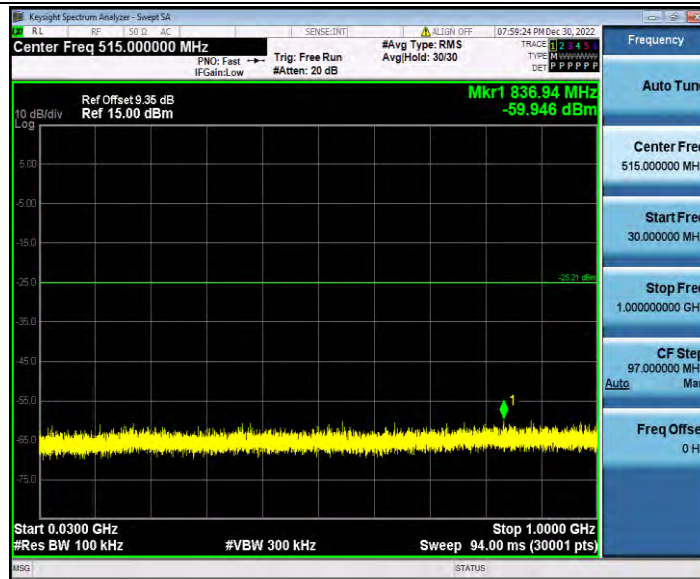
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



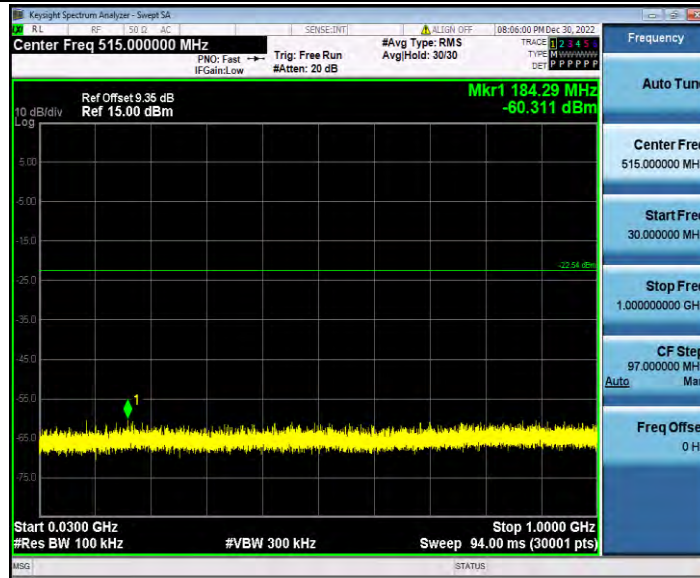
11N20SISO_Ant1_2437_1000~26500



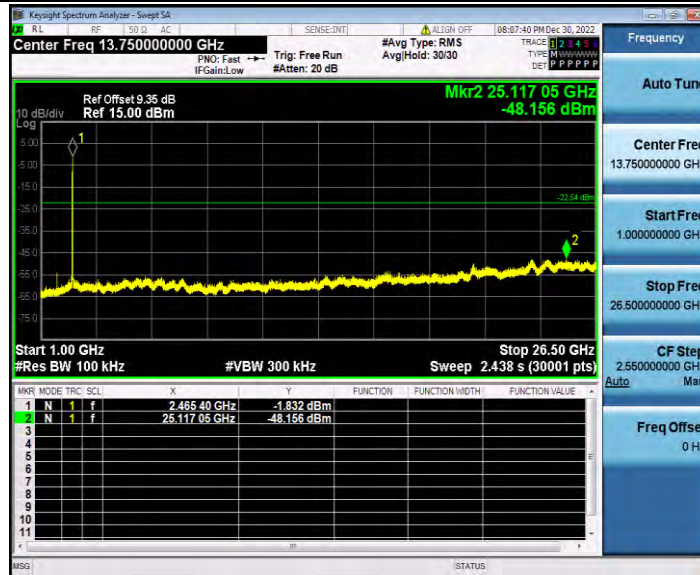
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



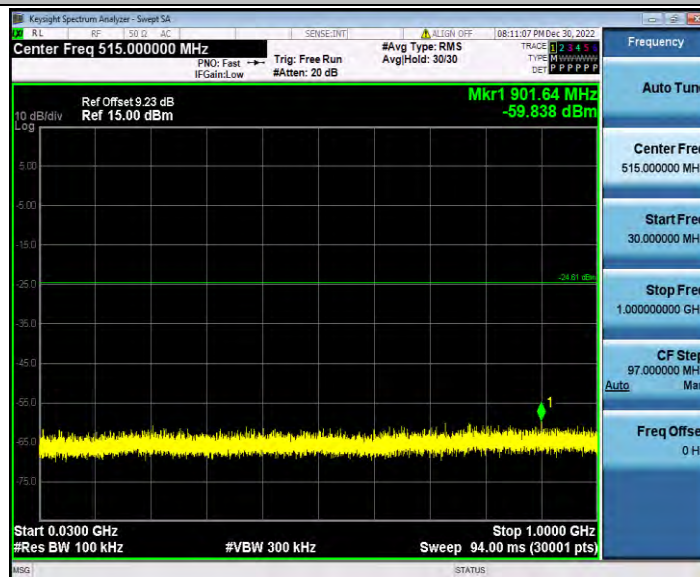
11N20SISO_Ant1_2462_1000~26500



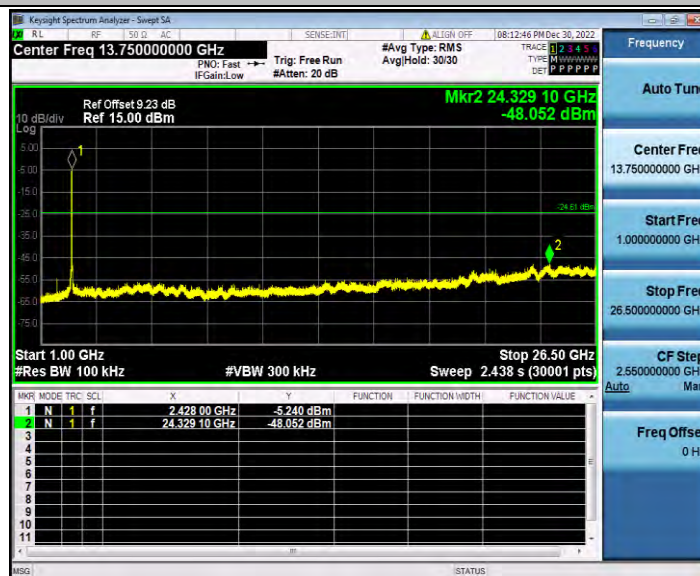
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



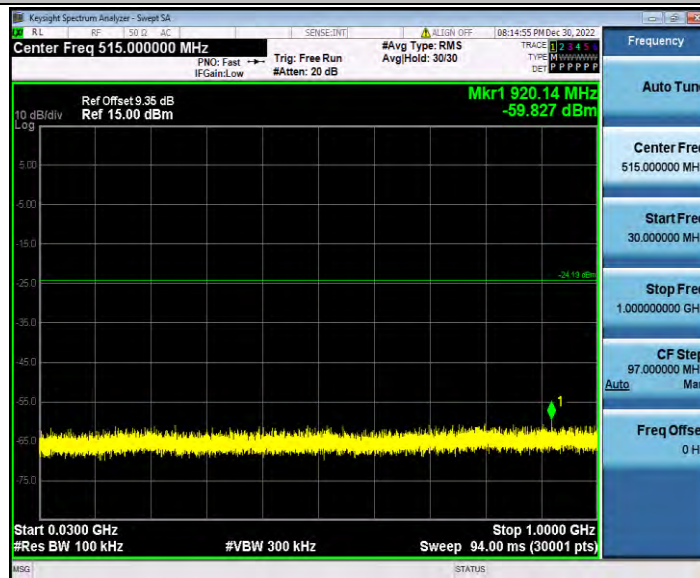
11N40SISO_Ant1_2422_1000~26500



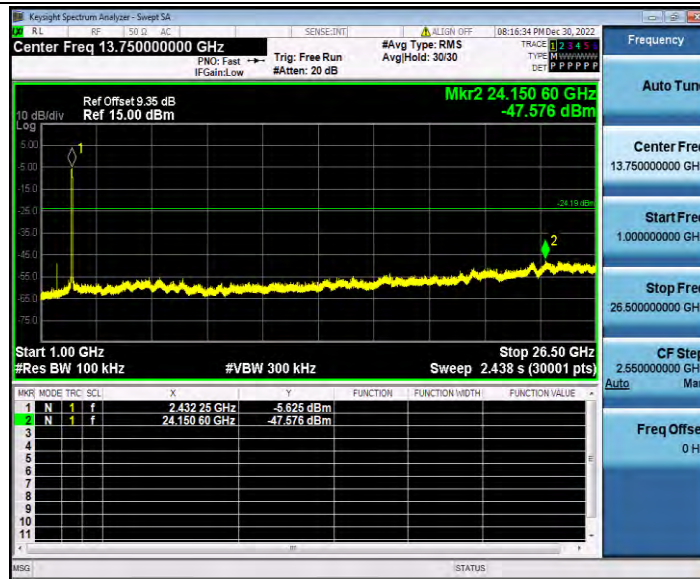
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



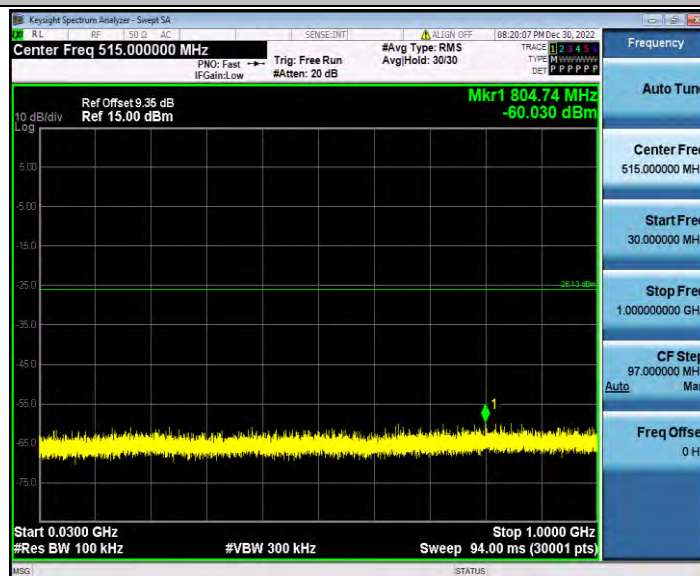
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

