

Case No. : GTS20221226005-1-9	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.10	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	8.040	2408.480	2416.520	0.5	PASS
		2437	8.040	2433.000	2441.040	0.5	PASS
		2462	7.560	2458.000	2465.560	0.5	PASS
11G	Ant1	2412	15.680	2404.520	2420.200	0.5	PASS
		2437	13.760	2431.000	2444.760	0.5	PASS
		2462	14.640	2454.520	2469.160	0.5	PASS
11N20SISO	Ant1	2412	15.120	2405.680	2420.800	0.5	PASS
		2437	13.840	2430.680	2444.520	0.5	PASS
		2462	14.800	2454.680	2469.480	0.5	PASS
11N40SISO	Ant1	2422	34.160	2405.760	2439.920	0.5	PASS
		2437	35.920	2419.240	2455.160	0.5	PASS
		2452	35.040	2434.560	2469.600	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



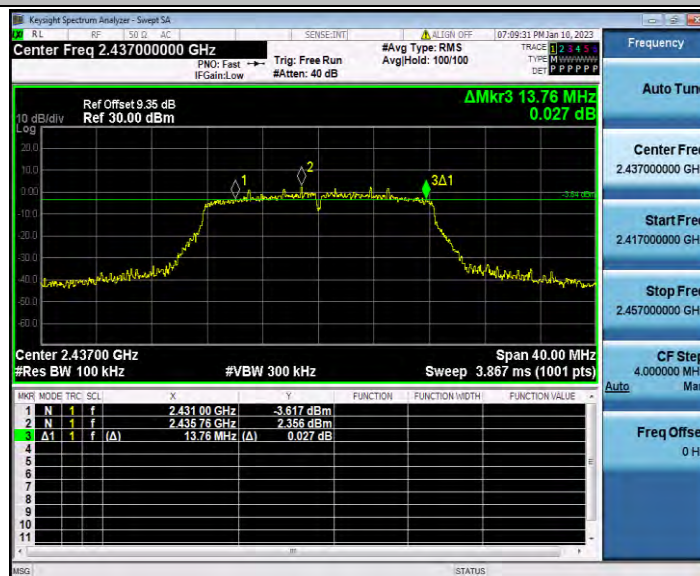
11B_Ant1_2462



11G_Ant1_2412



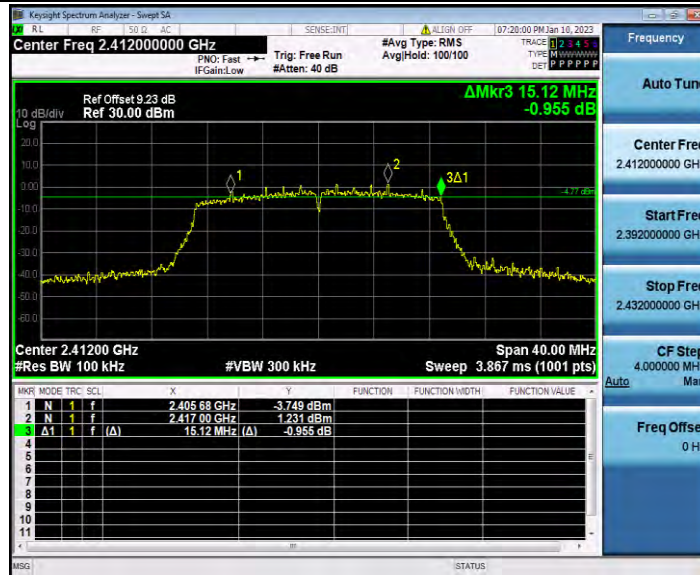
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



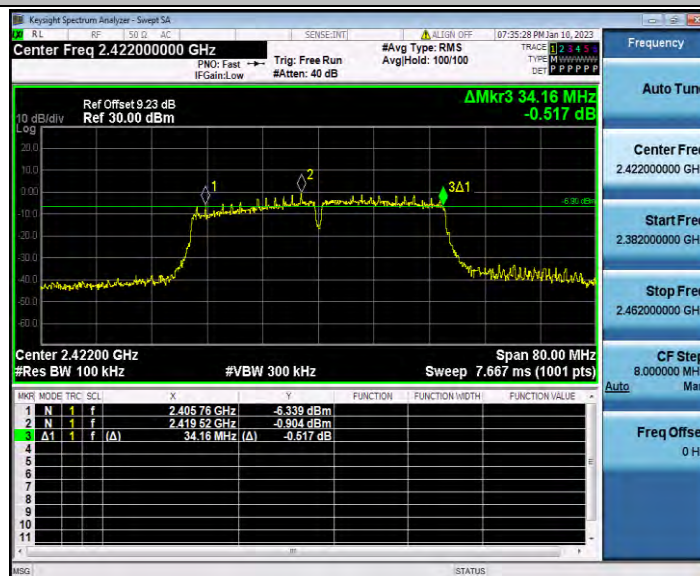
11N20SISO_Ant1_2437



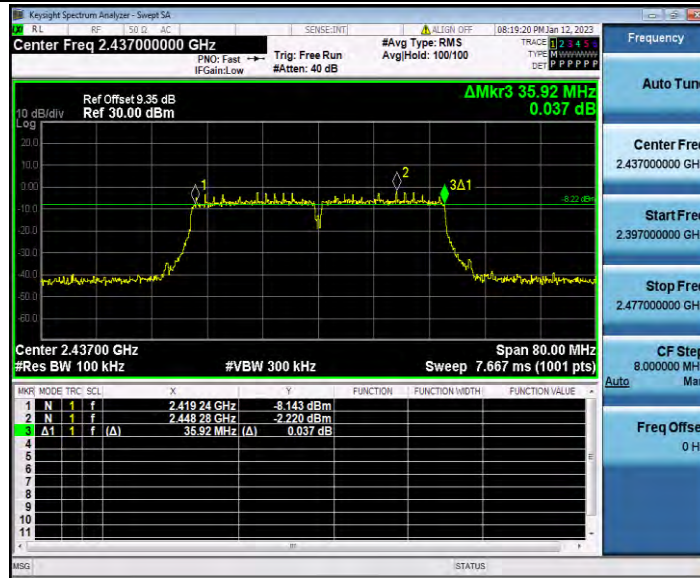
11N20SISO_Ant1_2462



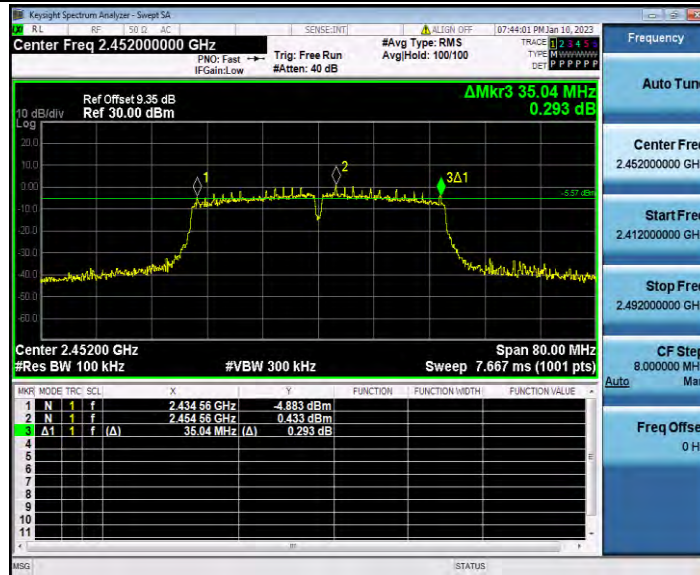
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



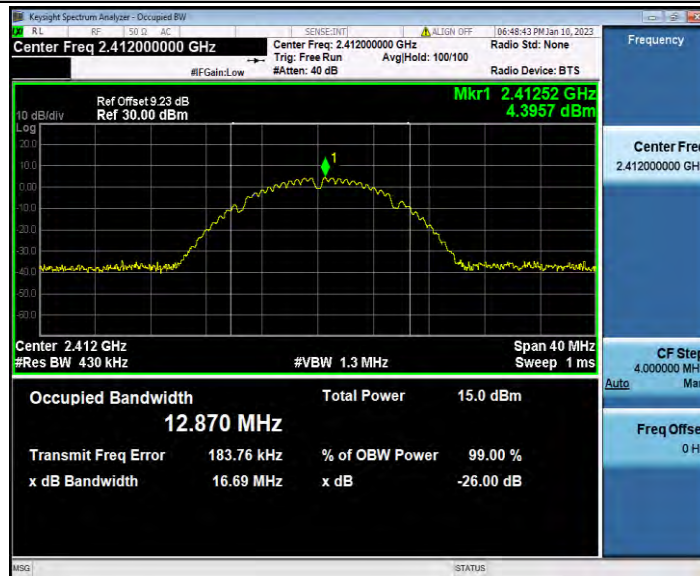
Appendix C.2: Occupied Channel Bandwidth

Test Result

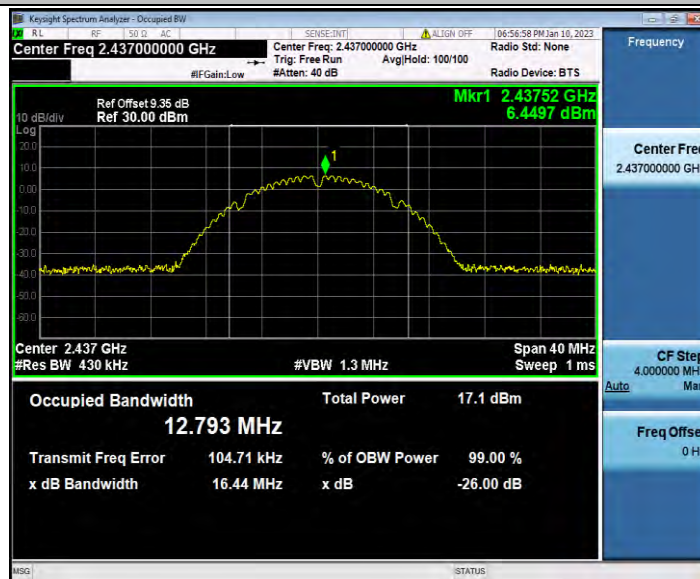
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.870	2405.749	2418.619	---	---
		2437	12.793	2430.708	2443.501	---	---
		2462	12.811	2455.619	2468.430	---	---
11G	Ant1	2412	16.786	2403.775	2420.561	---	---
		2437	16.808	2428.678	2445.486	---	---
		2462	16.885	2453.605	2470.490	---	---
11N20SISO	Ant1	2412	17.808	2403.247	2421.055	---	---
		2437	17.819	2428.195	2446.014	---	---
		2462	17.785	2453.089	2470.874	---	---
11N40SISO	Ant1	2422	35.986	2404.368	2440.354	---	---
		2437	36.404	2418.818	2455.222	---	---
		2452	36.063	2434.060	2470.123	---	---

Test Graphs

11B_Ant1_2412



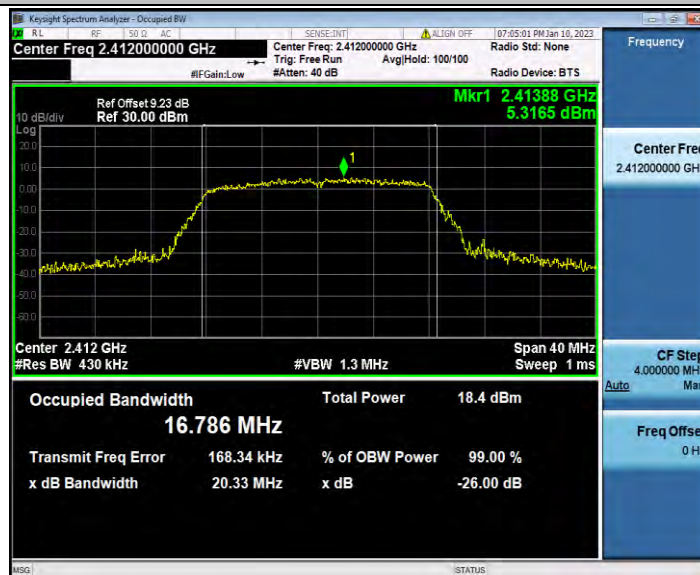
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



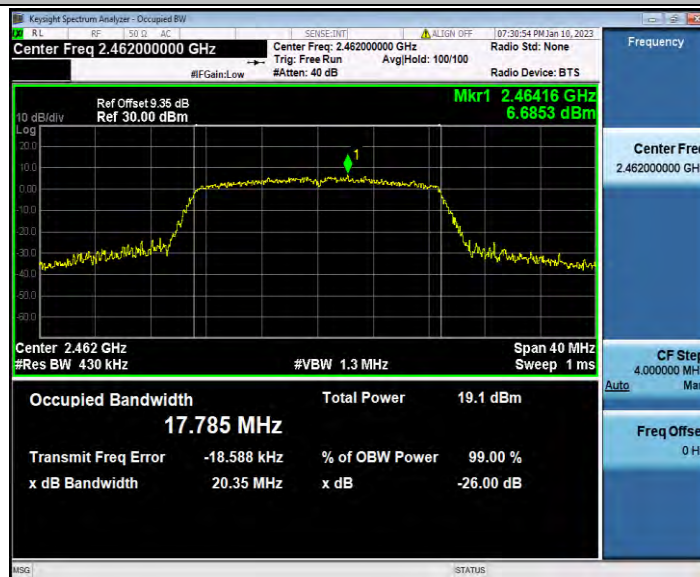
11N20SISO_Ant1_2412



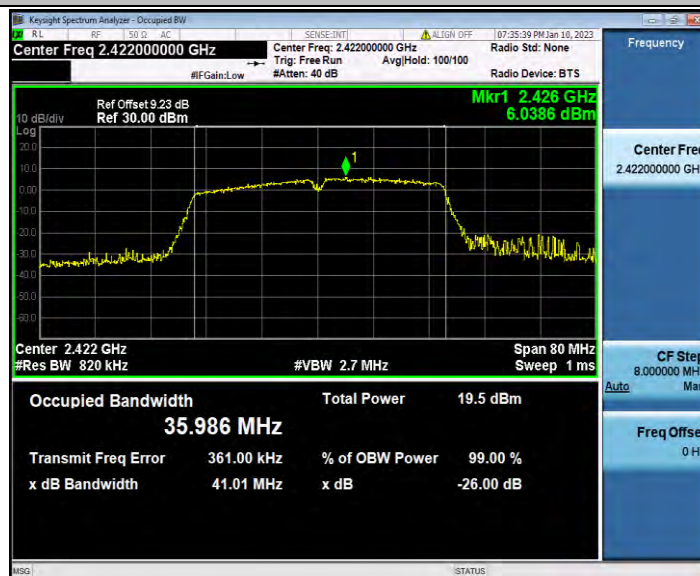
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



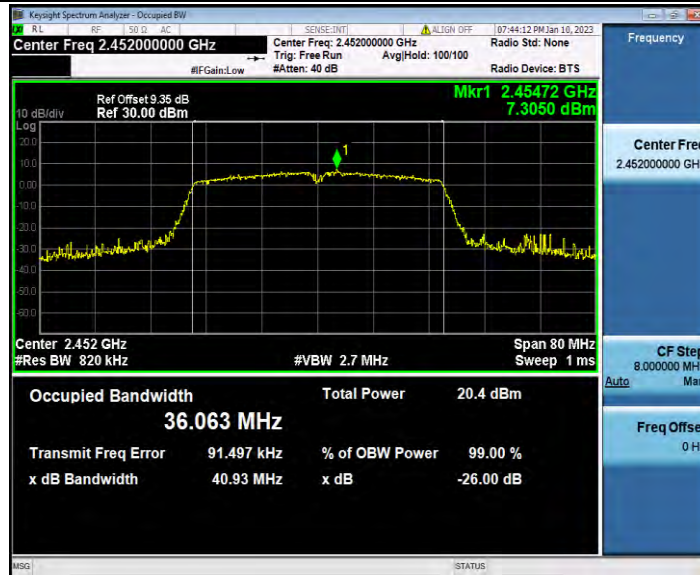
11N40SISO_Ant1_2422



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	15.06	≤30.00	PASS
		2437	17.17	≤30.00	PASS
		2462	16.48	≤30.00	PASS
11G	Ant1	2412	19.50	≤30.00	PASS
		2437	20.39	≤30.00	PASS
		2462	20.59	≤30.00	PASS
11N20SISO	Ant1	2412	19.31	≤30.00	PASS
		2437	20.19	≤30.00	PASS
		2462	20.28	≤30.00	PASS
11N40SISO	Ant1	2422	19.83	≤30.00	PASS
		2437	20.22	≤30.00	PASS
		2452	20.63	≤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	-10.72	≤8.00	PASS
		2437	-7.5	≤8.00	PASS
		2462	-9.33	≤8.00	PASS
11G	Ant1	2412	-12.52	≤8.00	PASS
		2437	-11.36	≤8.00	PASS
		2462	-11.5	≤8.00	PASS
11N20SISO	Ant1	2412	-12.19	≤8.00	PASS
		2437	-11.94	≤8.00	PASS
		2462	-11.66	≤8.00	PASS
11N40SISO	Ant1	2422	-14.91	≤8.00	PASS
		2437	-16.64	≤8.00	PASS
		2452	-13.23	≤8.00	PASS

Test Graphs

11B_Ant1_2412



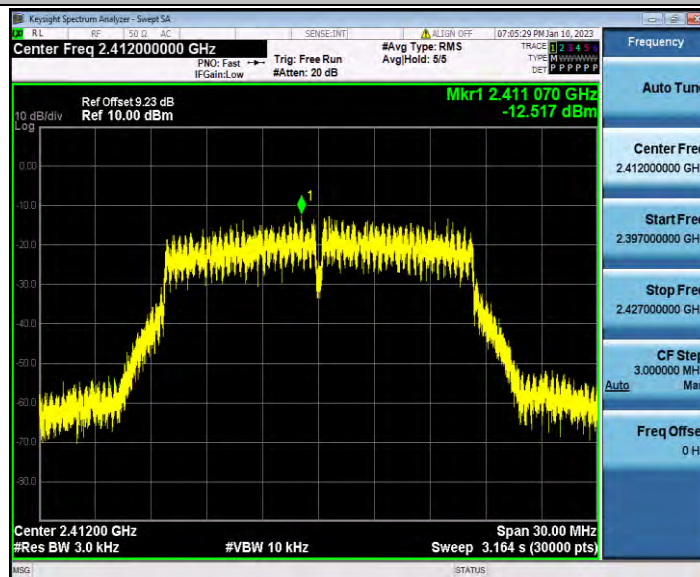
11B_Ant1_2437



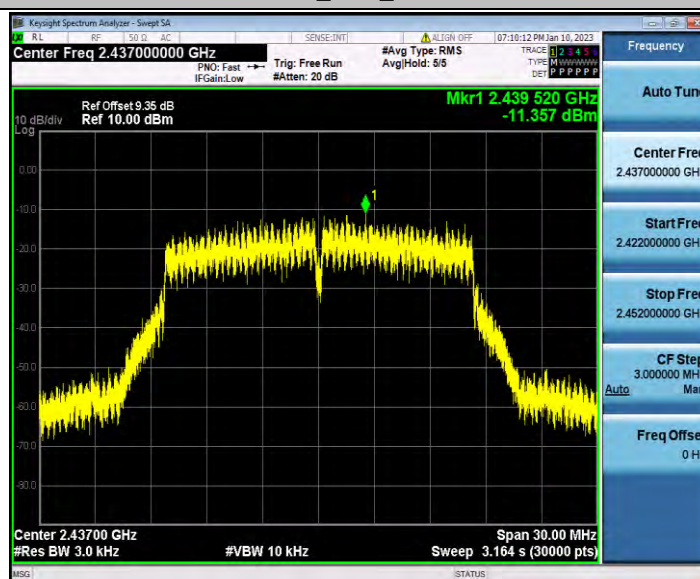
11B_Ant1_2462



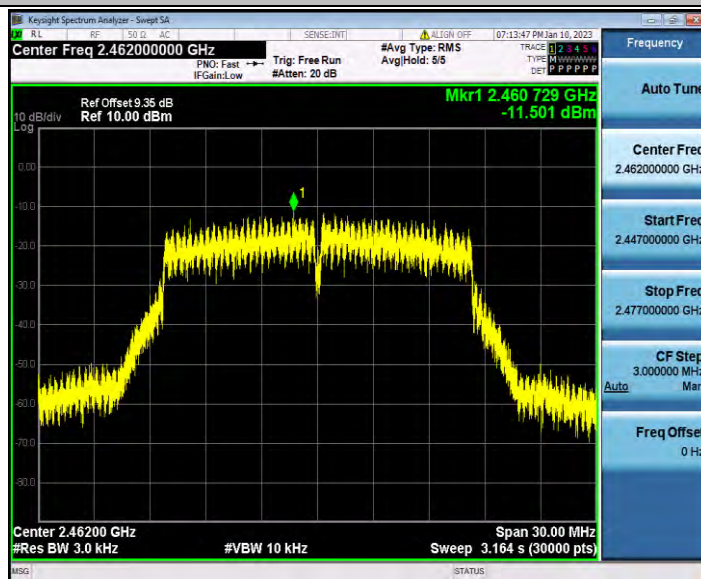
11G_Ant1_2412



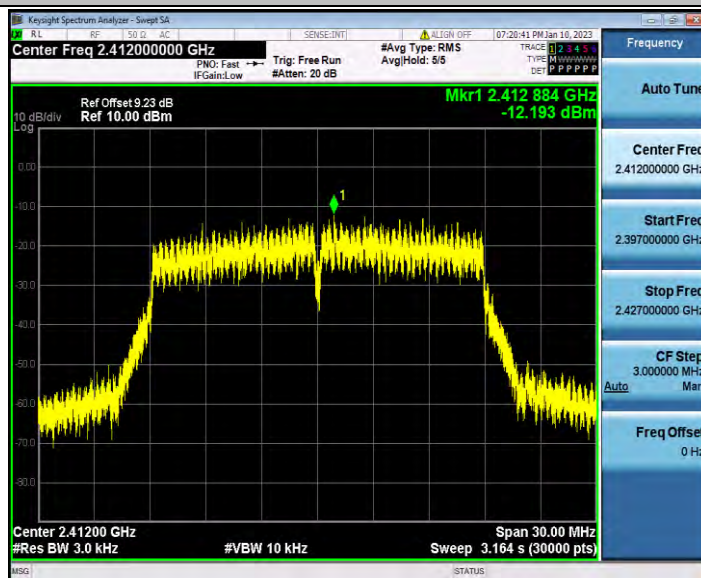
11G_Ant1_2437



11G_Ant1_2462



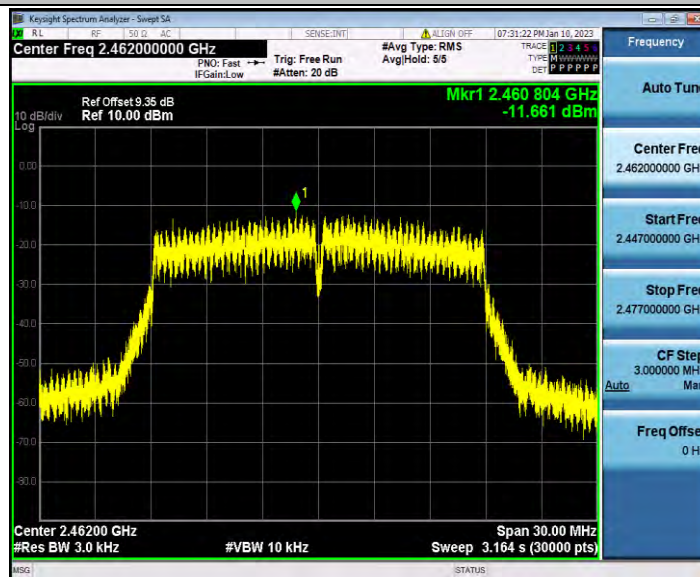
11N20SISO_Ant1_2412



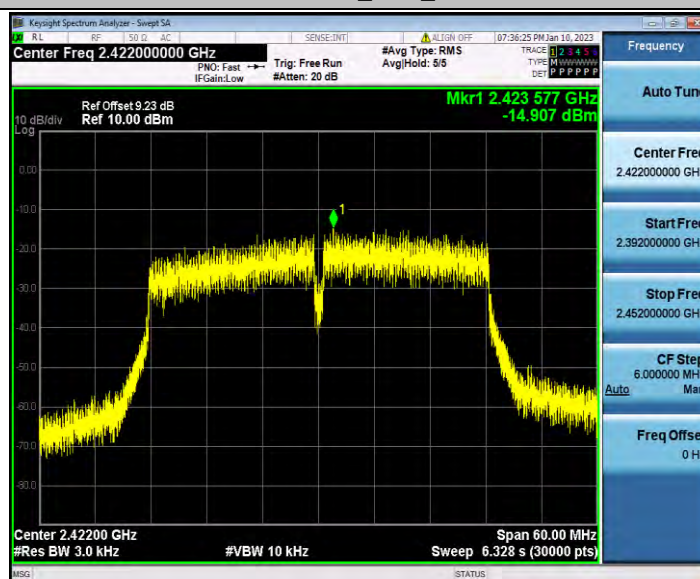
11N20SISO_Ant1_2437



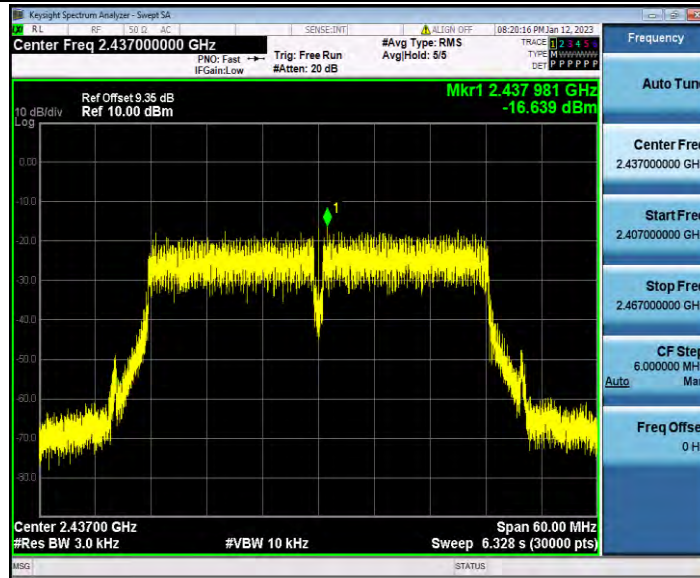
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



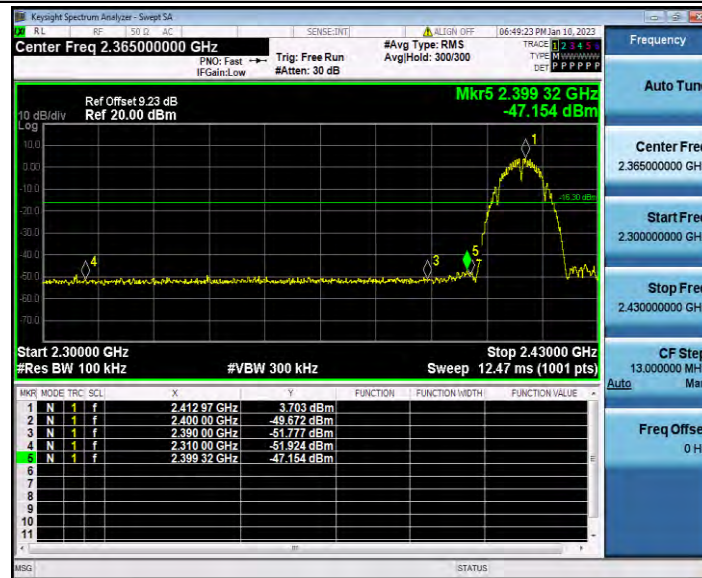
Appendix C.5: Band edge measurements

Test Result

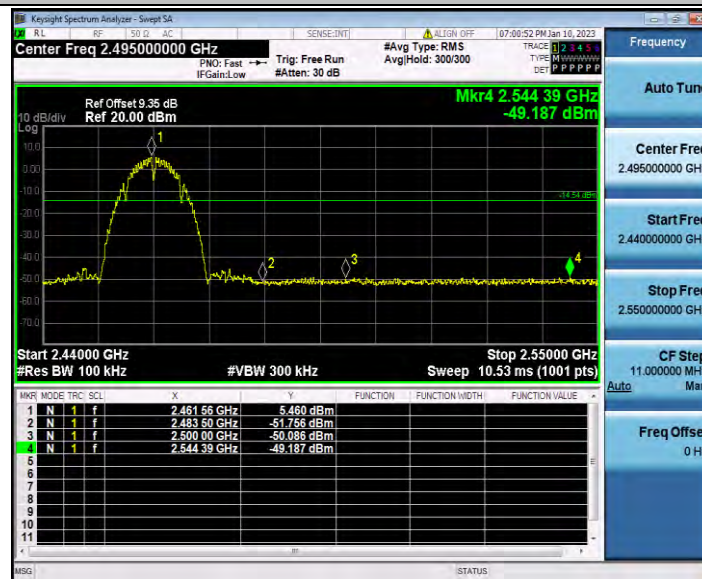
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.70	-47.15	≤-16.3	PASS
		High	2462	5.46	-49.19	≤-14.54	PASS
11G	Ant1	Low	2412	1.68	-37.44	≤-18.32	PASS
		High	2462	2.52	-47.45	≤-17.48	PASS
11N20SISO	Ant1	Low	2412	2.17	-36.68	≤-17.83	PASS
		High	2462	3.27	-47.05	≤-16.73	PASS
11N40SISO	Ant1	Low	2422	-0.33	-39.97	≤-20.33	PASS
		High	2452	0.37	-36.73	≤-19.63	PASS

Test Graphs

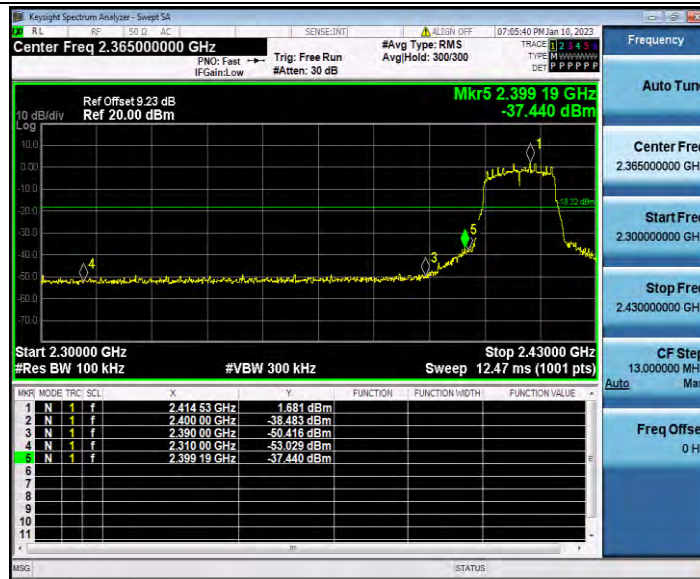
11B_Ant1_Low_2412



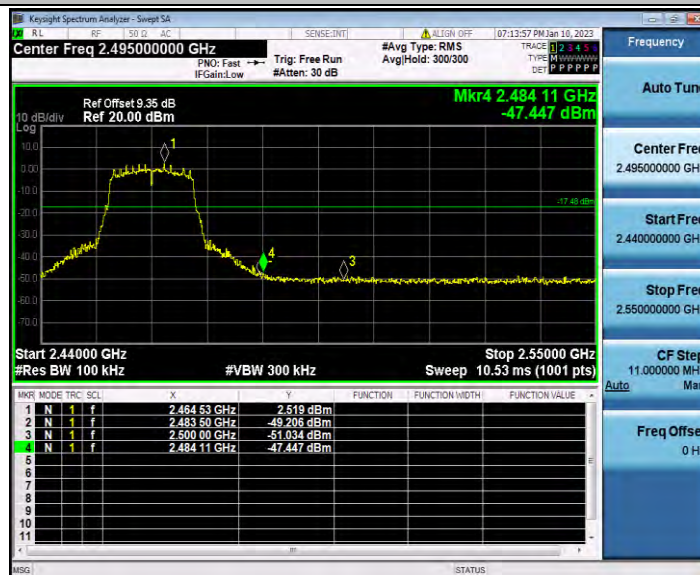
11B_Ant1_High_2462



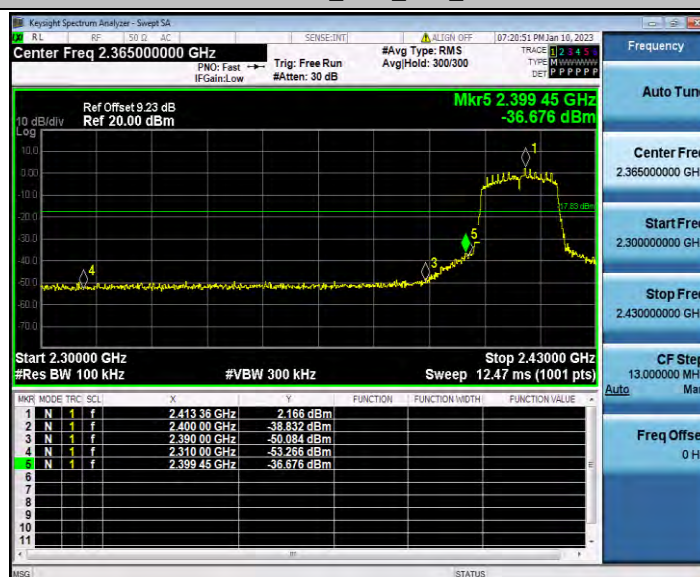
11G_Ant1_Low_2412



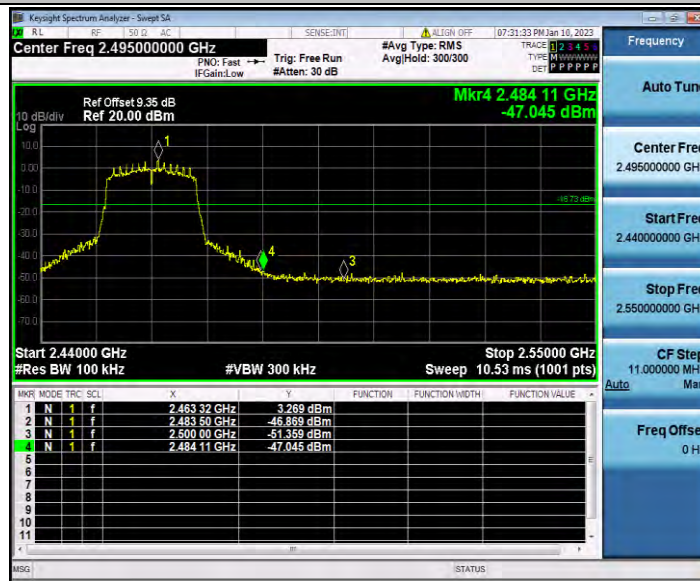
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



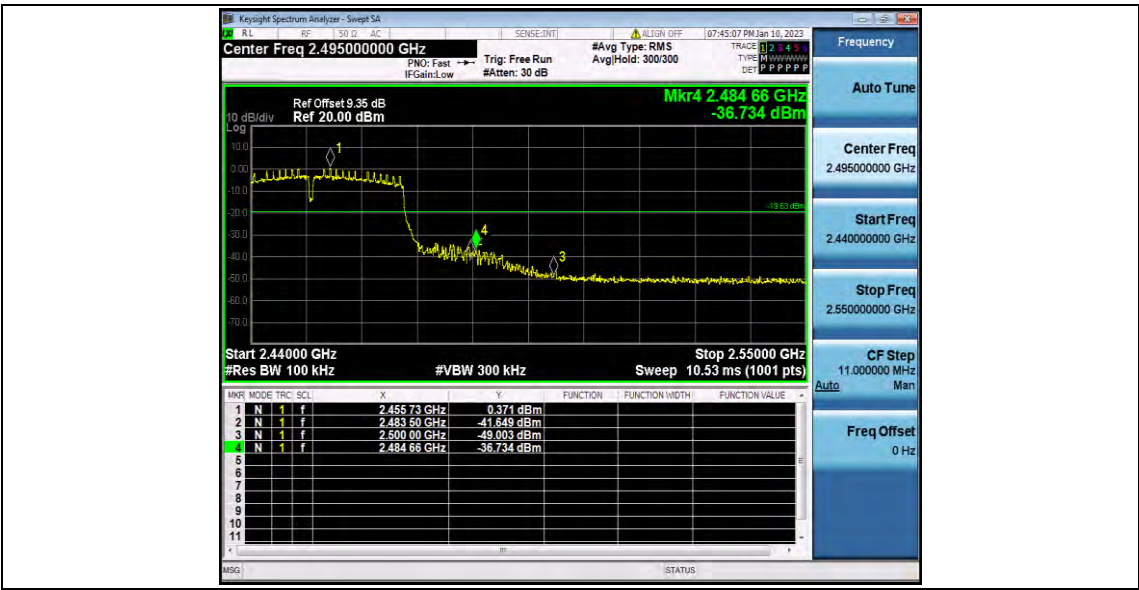
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

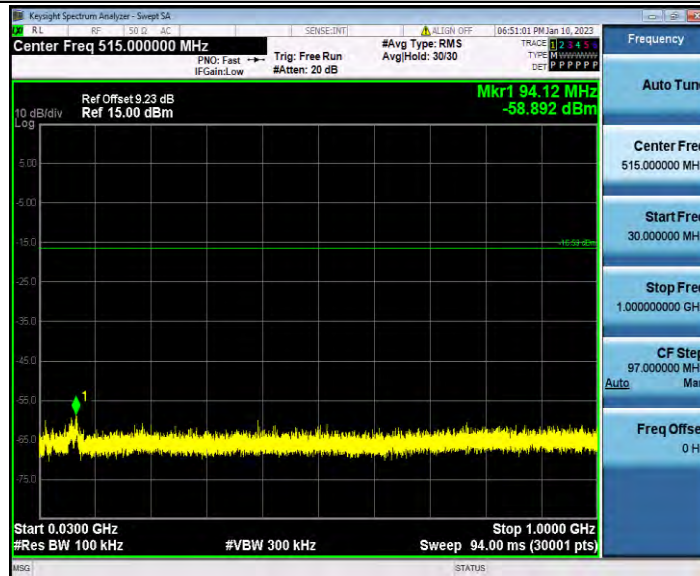
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.41	3.41	---	PASS
			30~1000	3.41	-58.89	≤ -16.59	PASS
			1000~26500	3.41	-47.69	≤ -16.59	PASS
		2437	Reference	4.71	4.71	---	PASS
			30~1000	4.71	-59.92	≤ -15.29	PASS
			1000~26500	4.71	-47.1	≤ -15.29	PASS
		2462	Reference	4.31	4.31	---	PASS
			30~1000	4.31	-60.05	≤ -15.69	PASS
			1000~26500	4.31	-47.47	≤ -15.69	PASS
11G	Ant1	2412	Reference	-1.98	-1.98	---	PASS
			30~1000	-1.98	-60.07	≤ -21.98	PASS
			1000~26500	-1.98	-44.82	≤ -21.98	PASS
		2437	Reference	0.74	0.74	---	PASS
			30~1000	0.74	-59.51	≤ -19.26	PASS
			1000~26500	0.74	-47.68	≤ -19.26	PASS
		2462	Reference	2.72	2.72	---	PASS
			30~1000	2.72	-59.01	≤ -17.28	PASS
			1000~26500	2.72	-47.68	≤ -17.28	PASS
11N20SISO	Ant1	2412	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-58.1	≤ -19.94	PASS
			1000~26500	0.06	-47.15	≤ -19.94	PASS
		2437	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-58.48	≤ -20.49	PASS
			1000~26500	-0.49	-47.92	≤ -20.49	PASS
		2462	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-57.84	≤ -20.5	PASS
			1000~26500	-0.50	-41.75	≤ -20.5	PASS
11N40SISO	Ant1	2422	Reference	-2.05	-2.05	---	PASS
			30~1000	-2.05	-60.08	≤ -22.05	PASS
			1000~26500	-2.05	-47.99	≤ -22.05	PASS
		2437	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-57.47	≤ -23.91	PASS
			1000~26500	-3.91	-47.89	≤ -23.91	PASS
		2452	Reference	0.28	0.28	---	PASS
			30~1000	0.28	-58.54	≤ -19.72	PASS
			1000~26500	0.28	-47.6	≤ -19.72	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



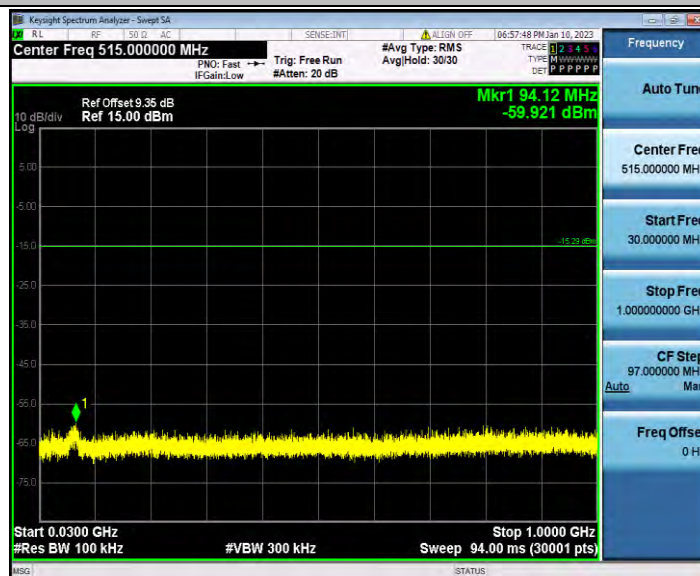
11B_Ant1_2412_1000~26500



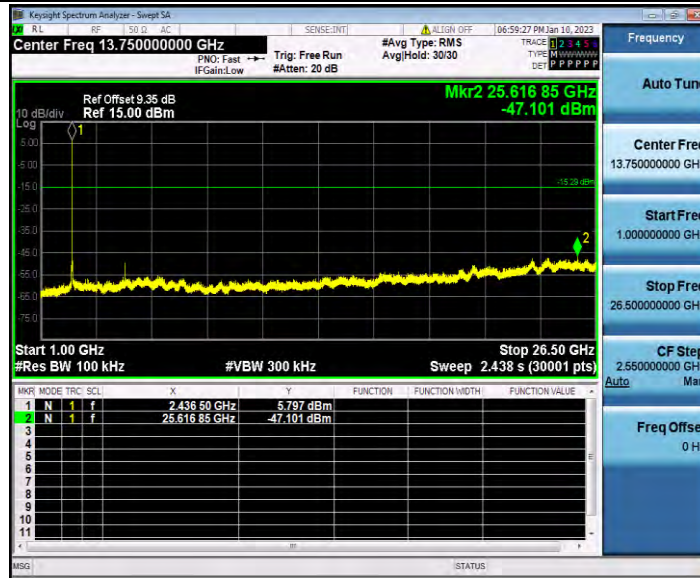
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



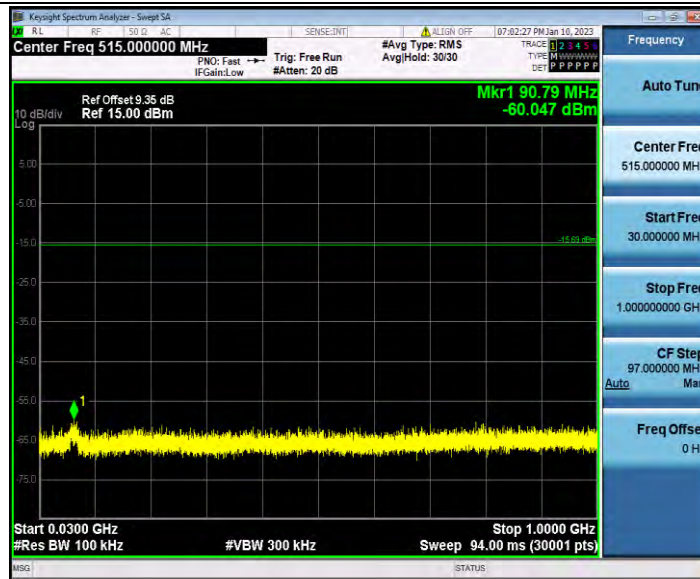
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



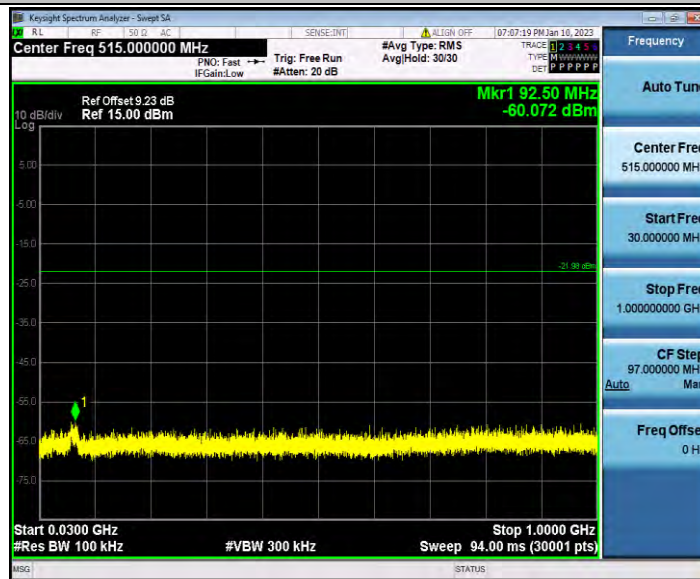
11B_Ant1_2462_1000~26500



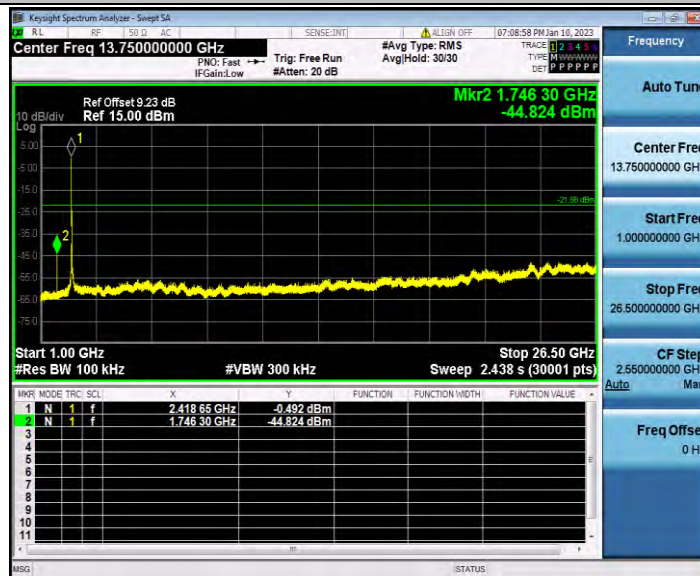
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



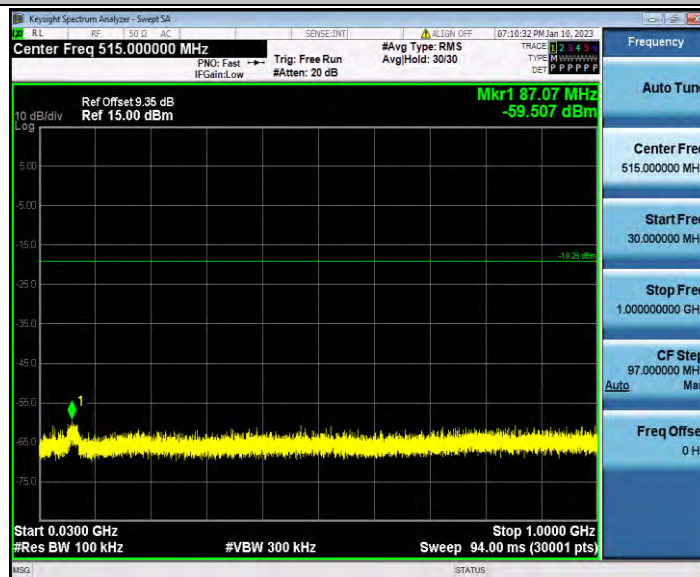
11G_Ant1_2412_1000~26500



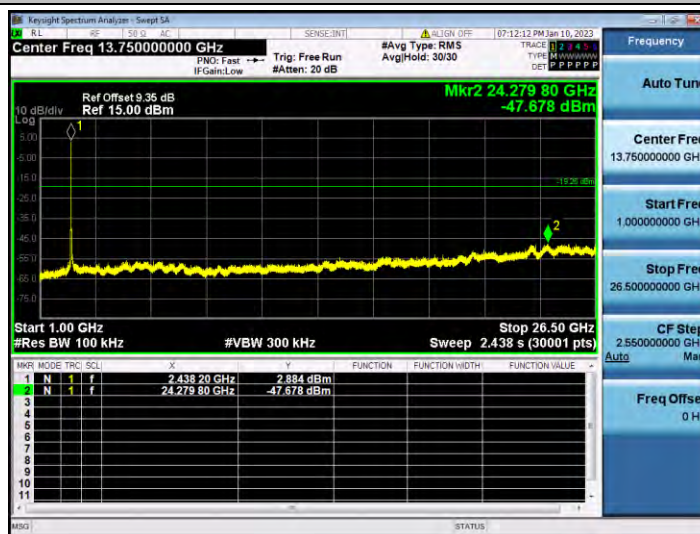
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



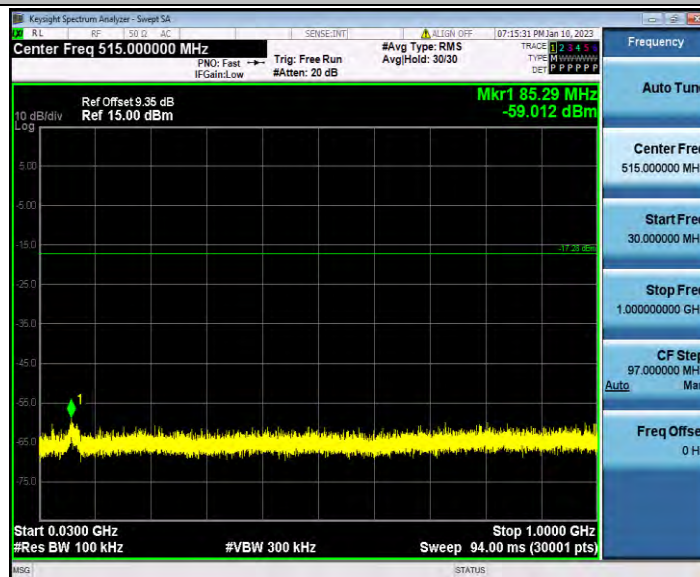
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



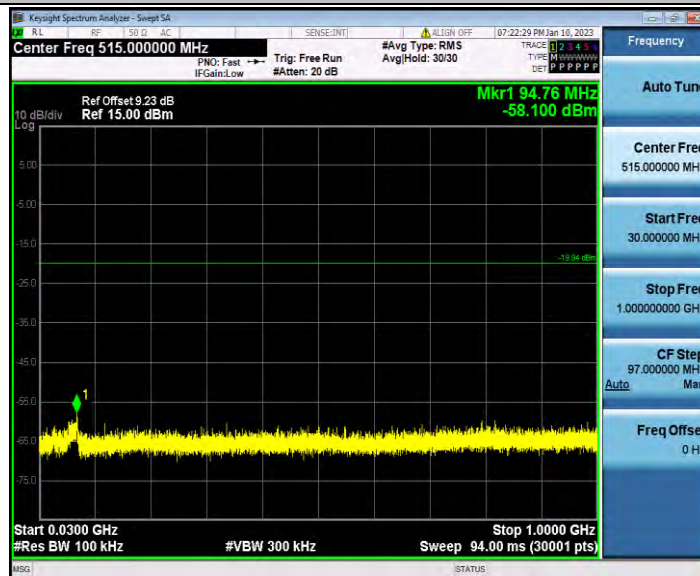
11G_Ant1_2462_1000~26500



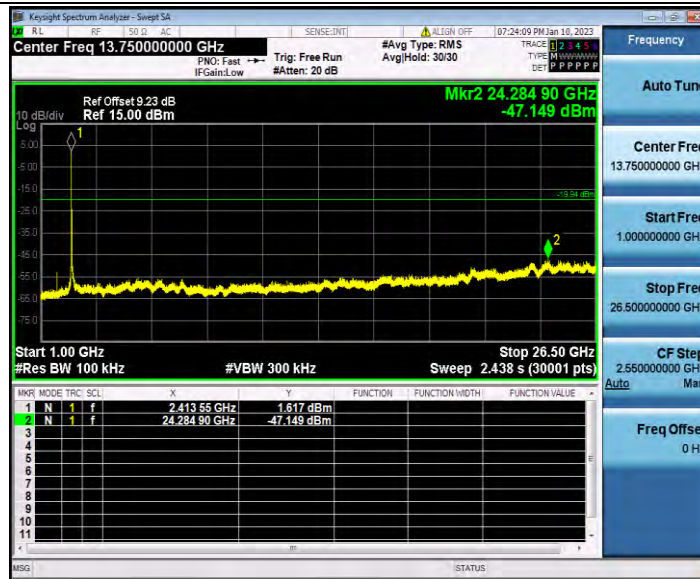
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



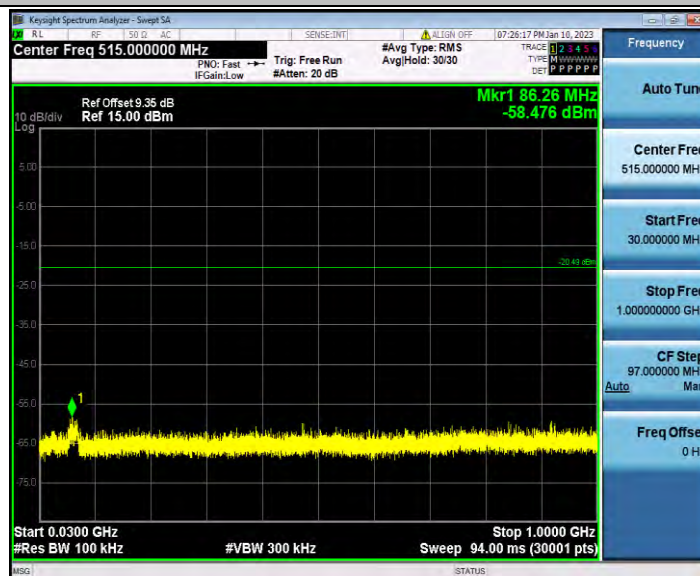
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



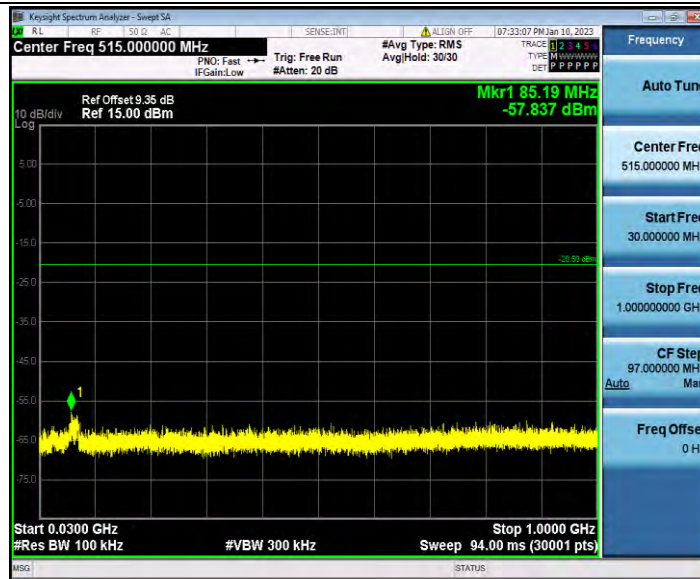
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



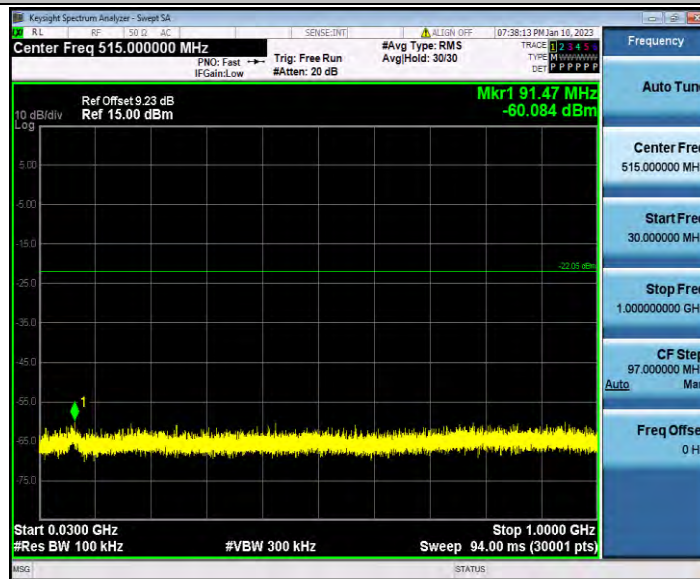
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



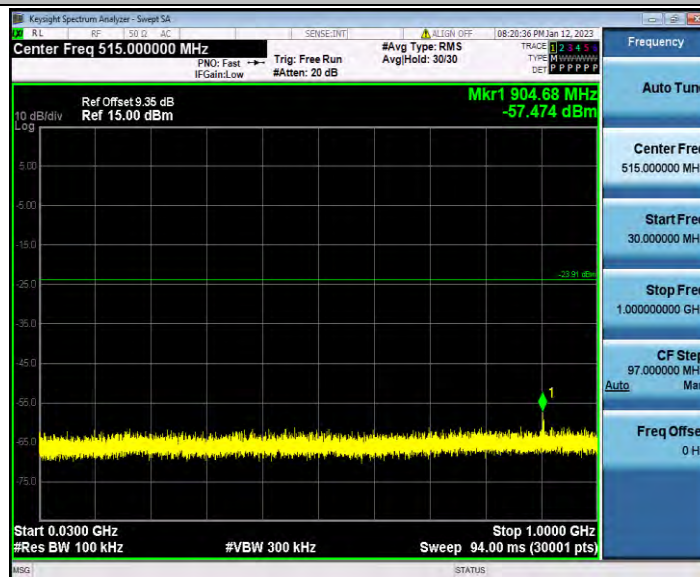
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



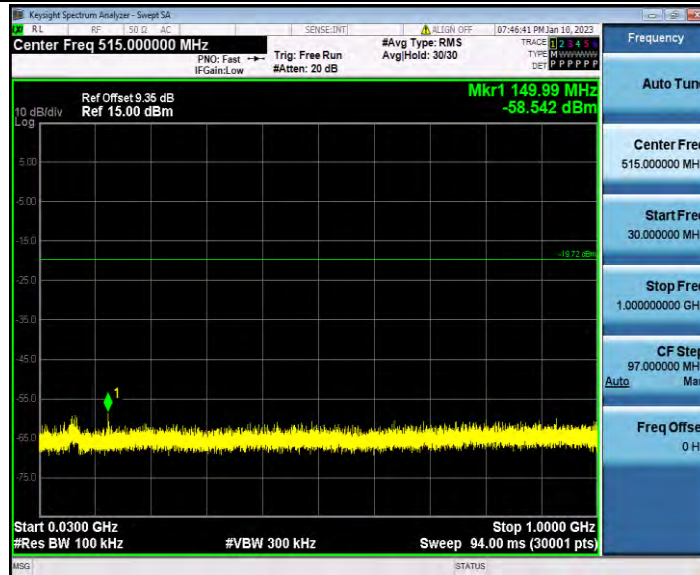
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

