

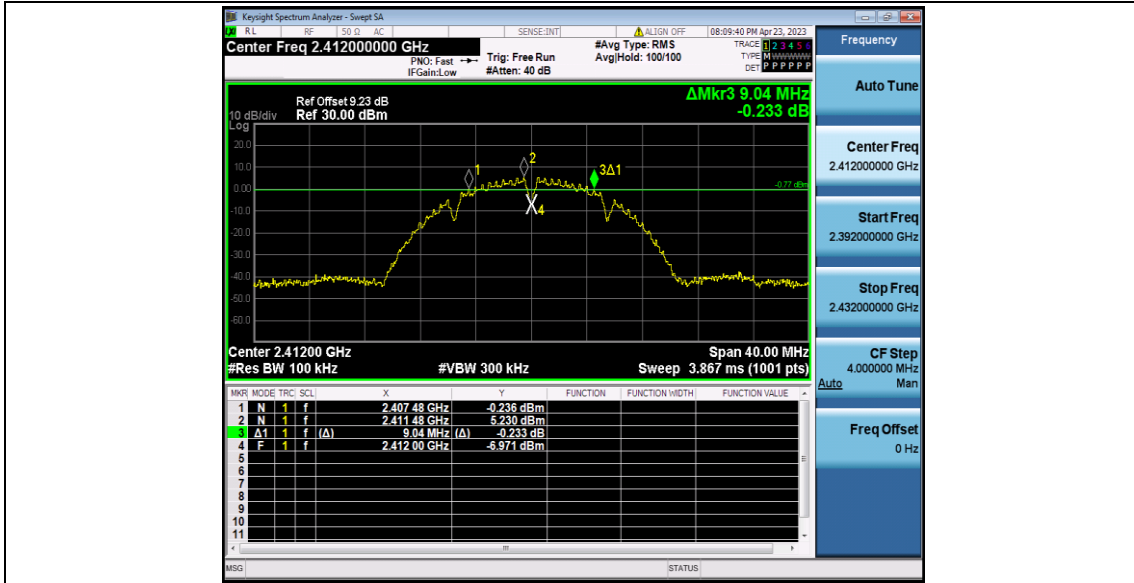
Case No. : <u>GTS20230202009-1-57</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.4.23</u> Test Engineer: <u>Jenny zeng</u>

Appendix A.1: DTS Bandwidth

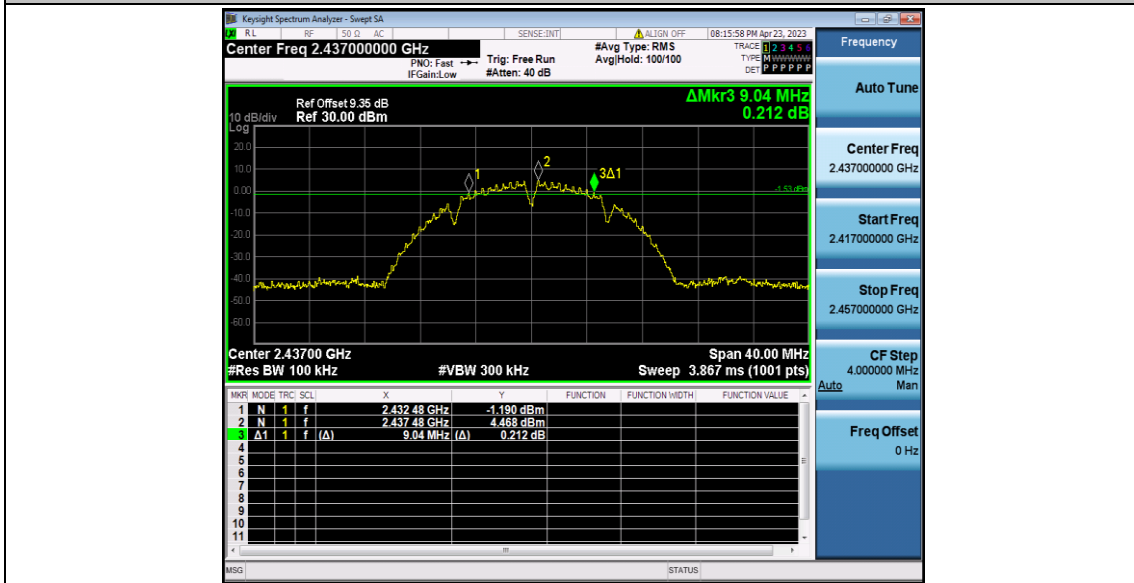
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.520	2403.720	2420.240	0.5	PASS
		2437	16.560	2428.720	2445.280	0.5	PASS
		2462	16.560	2453.720	2470.280	0.5	PASS
11N20SISO	Ant1	2412	17.720	2403.120	2420.840	0.5	PASS
		2437	17.800	2428.120	2445.920	0.5	PASS
		2462	17.800	2453.080	2470.880	0.5	PASS
11N40SISO	Ant1	2422	36.480	2403.760	2440.240	0.5	PASS
		2437	36.480	2418.760	2455.240	0.5	PASS
		2452	36.400	2433.760	2470.160	0.5	PASS

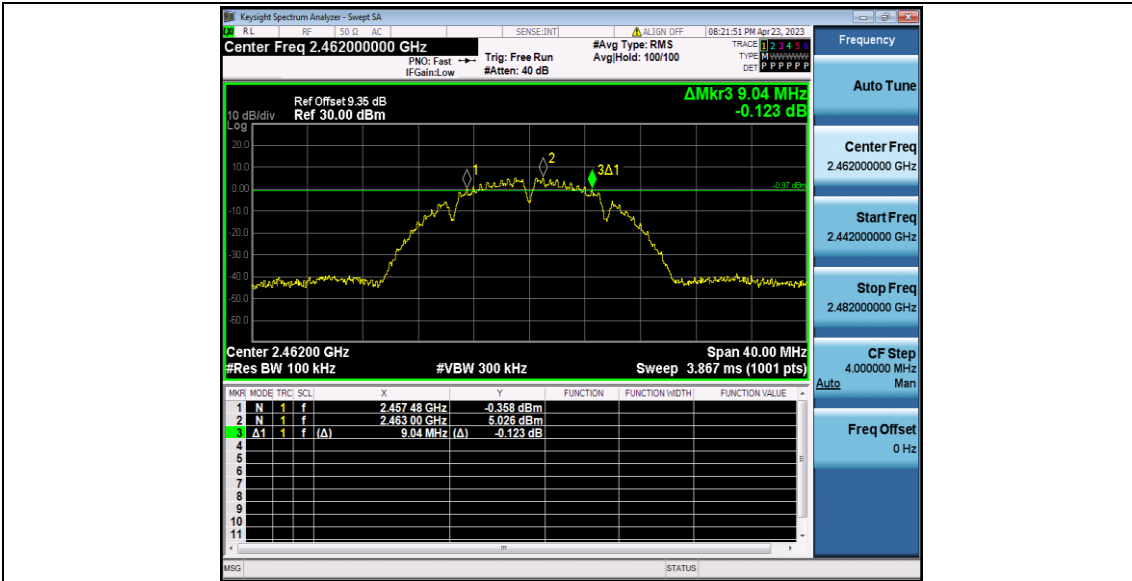
Test Graphs



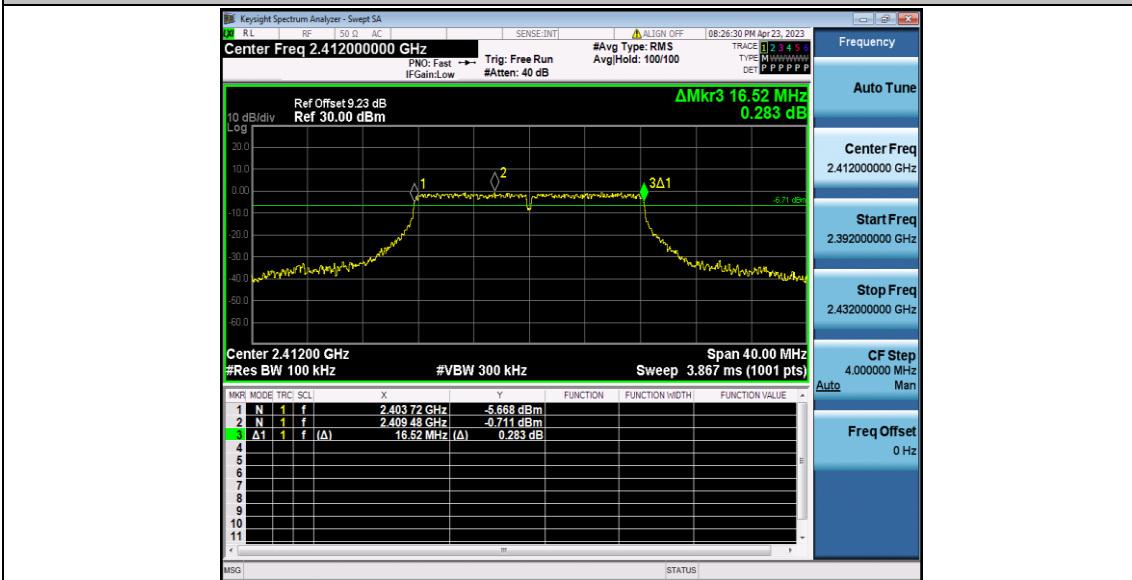
11B_Ant1_2412



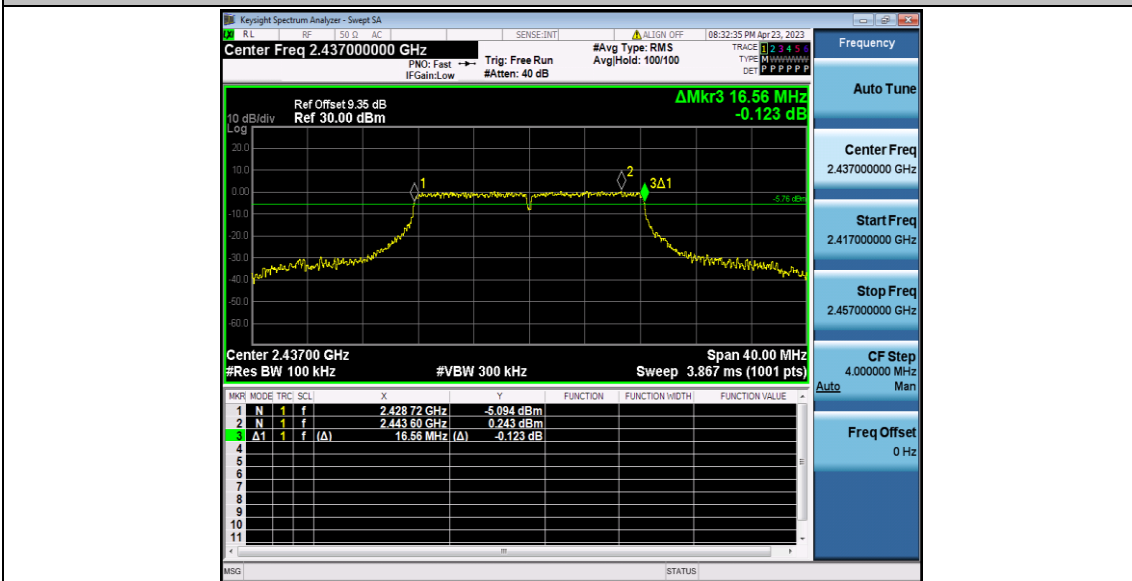
11B_Ant1_2437



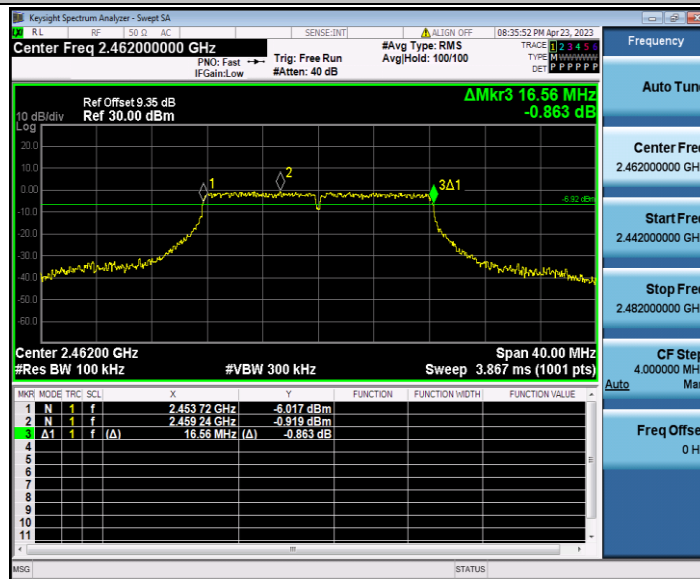
11B_Ant1_2462



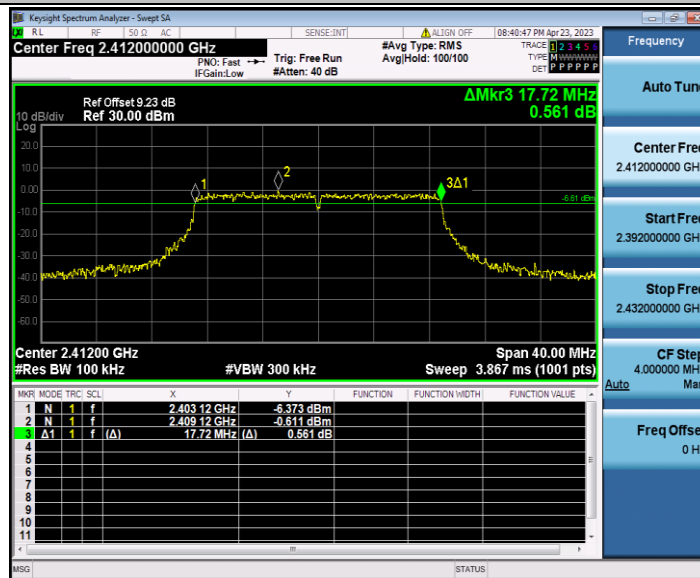
11G_Ant1_2412



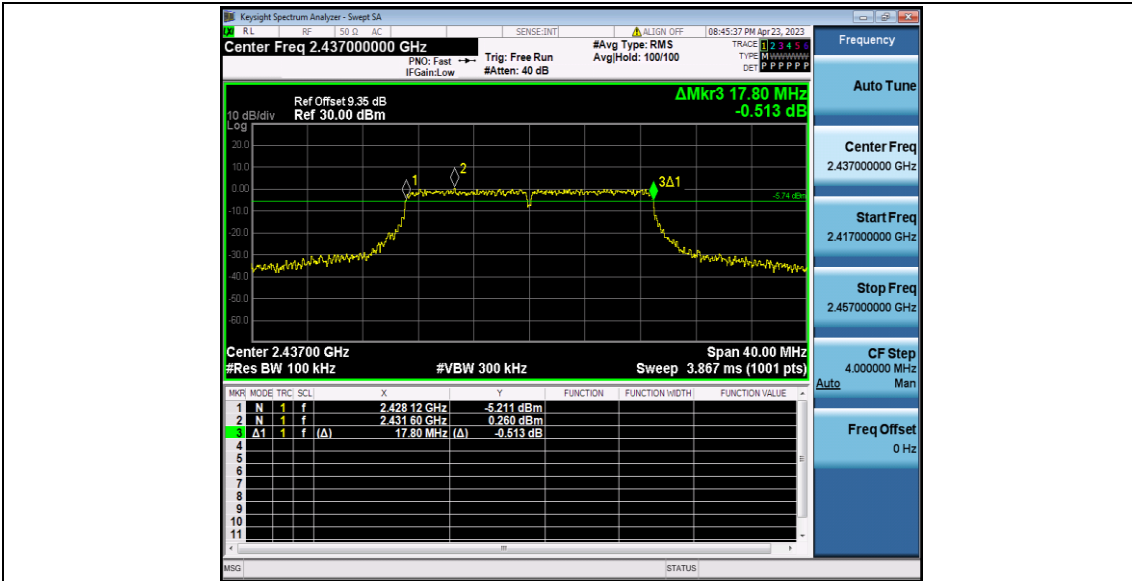
11G_Ant1_2437



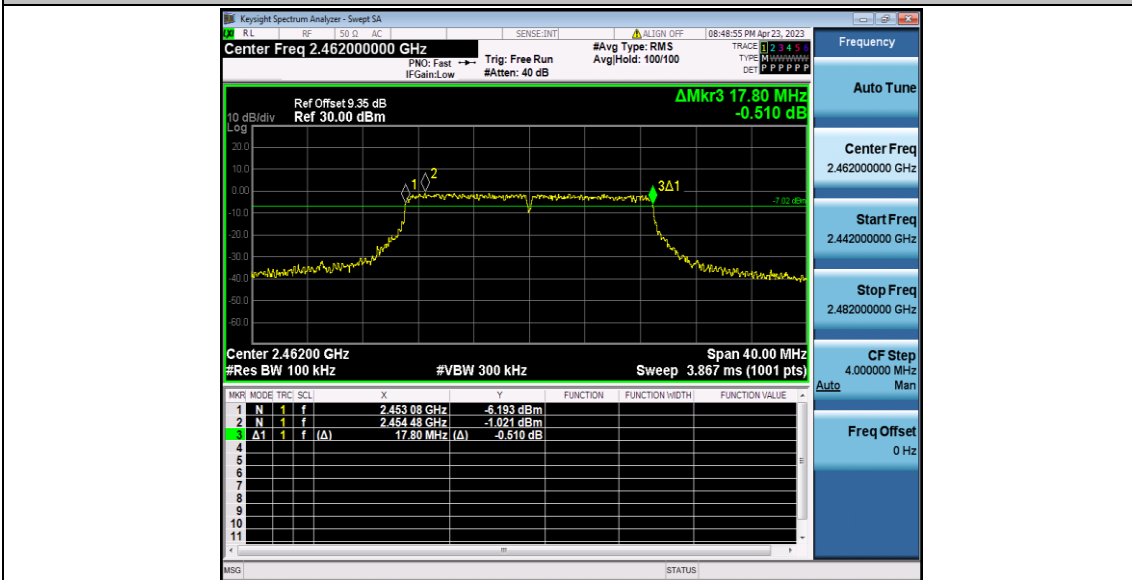
11G_Ant1_2462



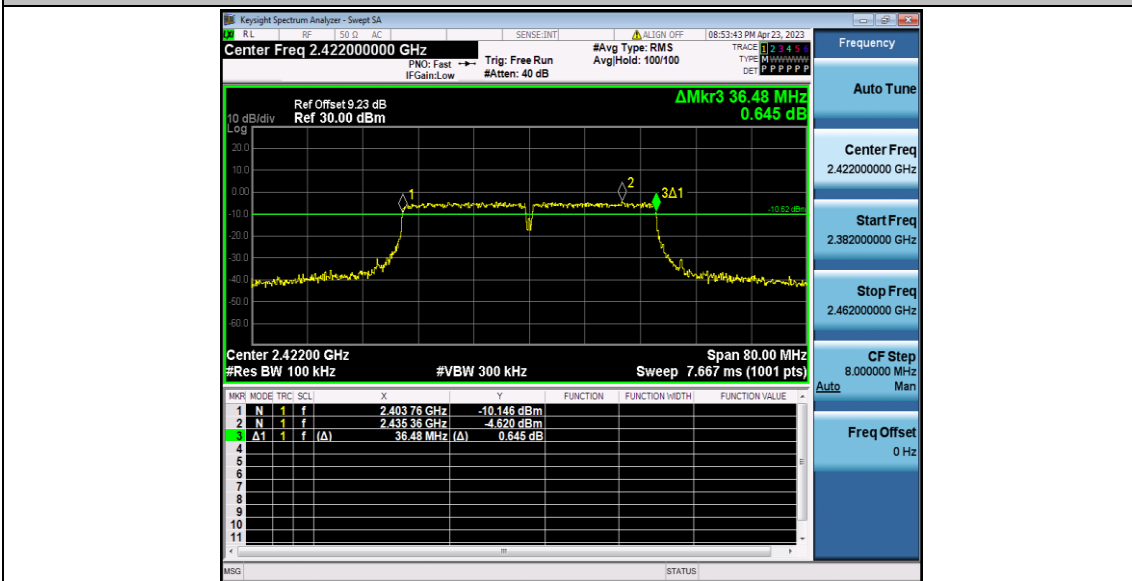
11N20SISO_Ant1_2412



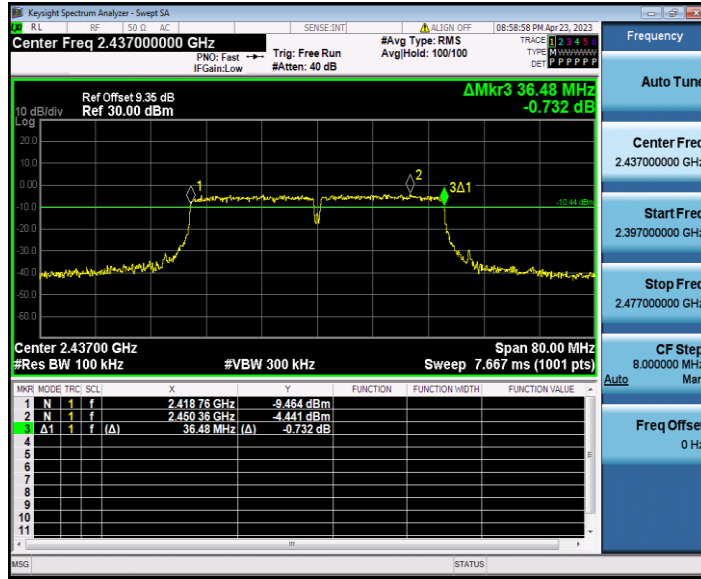
11N20SISO_Ant1_2437



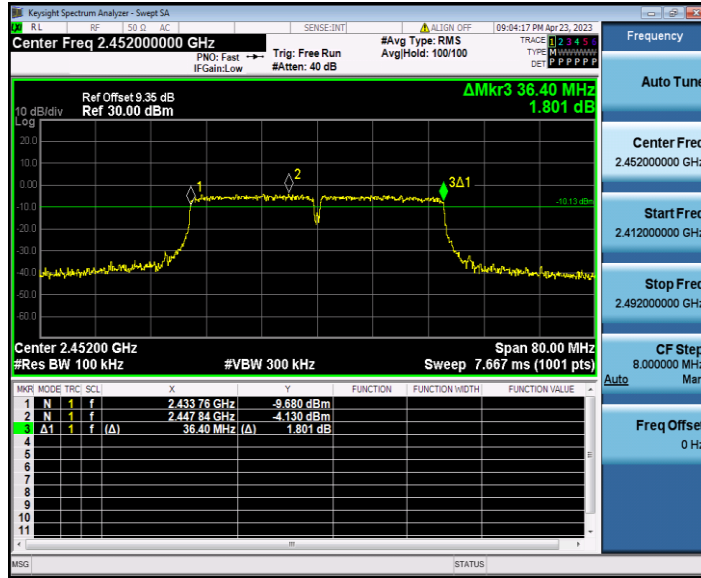
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



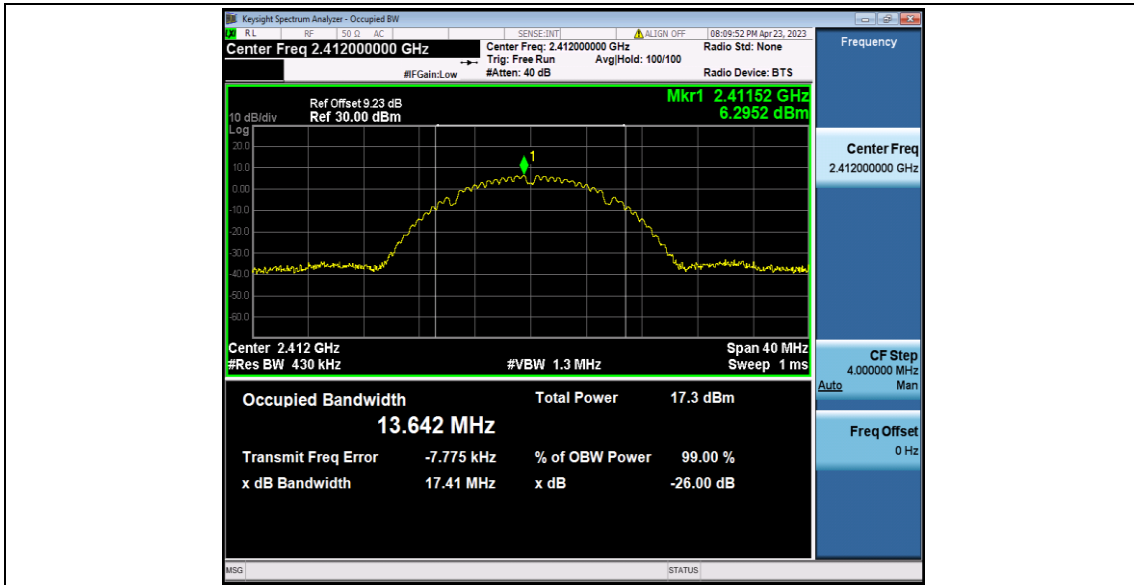
11N40SISO_Ant1_2452

Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.642	2405.171	2418.813	---	---
		2437	13.663	2430.201	2443.864	---	---
		2462	13.607	2455.126	2468.733	---	---
11G	Ant1	2412	17.100	2403.349	2420.449	---	---
		2437	17.154	2428.340	2445.494	---	---
		2462	17.004	2453.397	2470.401	---	---
11N20SISO	Ant1	2412	18.055	2402.962	2421.017	---	---
		2437	18.125	2427.938	2446.063	---	---
		2462	18.047	2452.929	2470.976	---	---
11N40SISO	Ant1	2422	36.585	2403.782	2440.367	---	---
		2437	36.590	2418.772	2455.362	---	---
		2452	36.436	2433.779	2470.215	---	---

Test Graphs



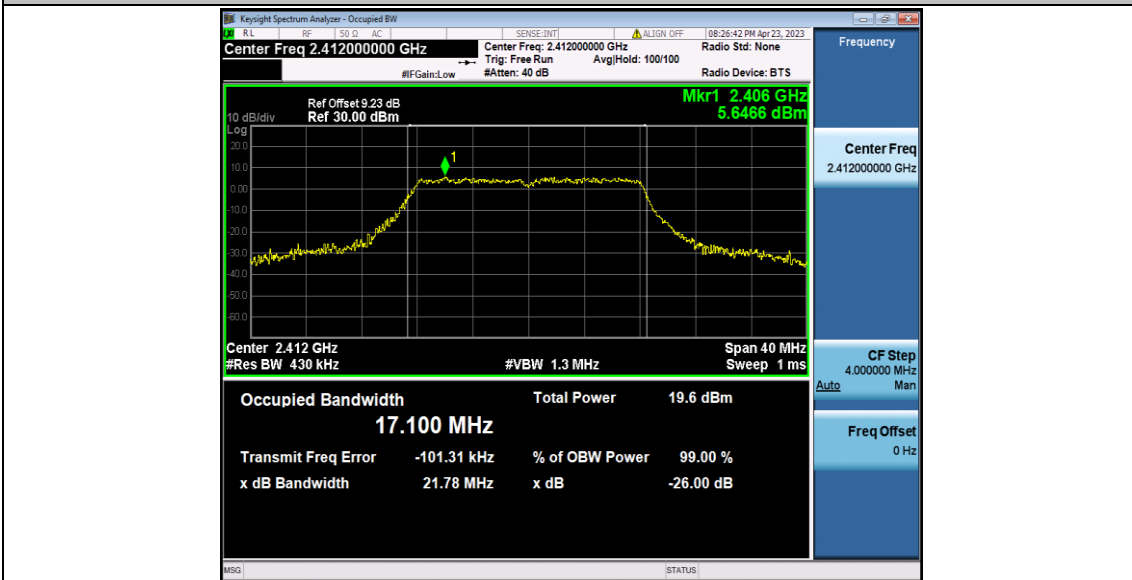
11B_Ant1_2412



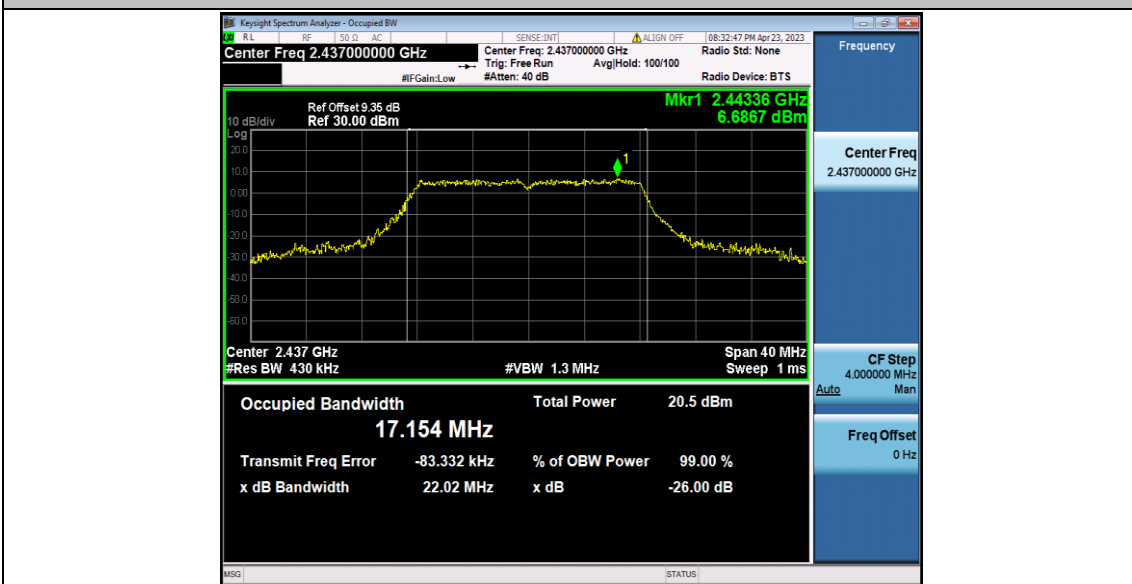
11B_Ant1_2437



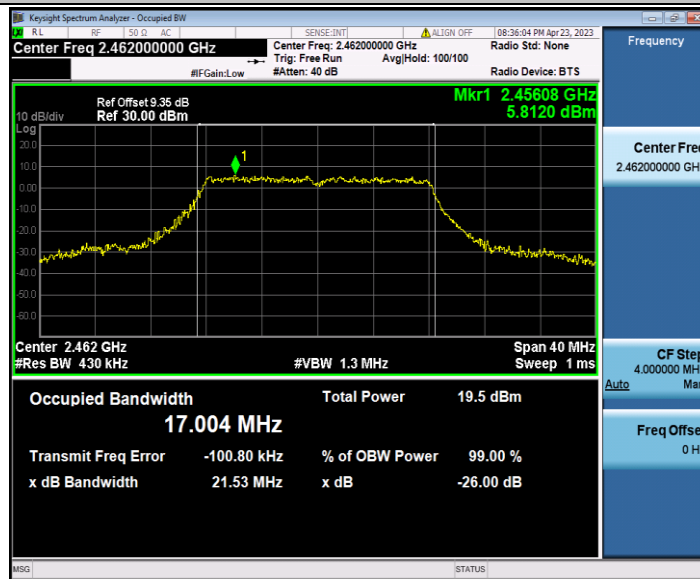
11B_Ant1_2462



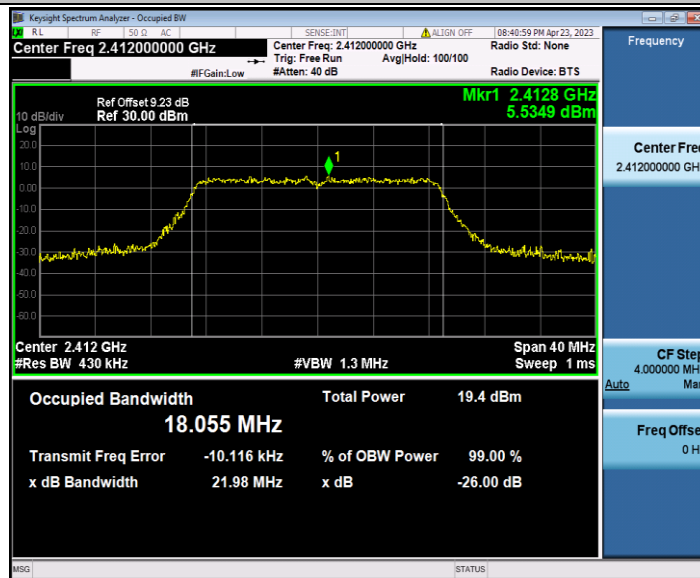
11G_Ant1_2412



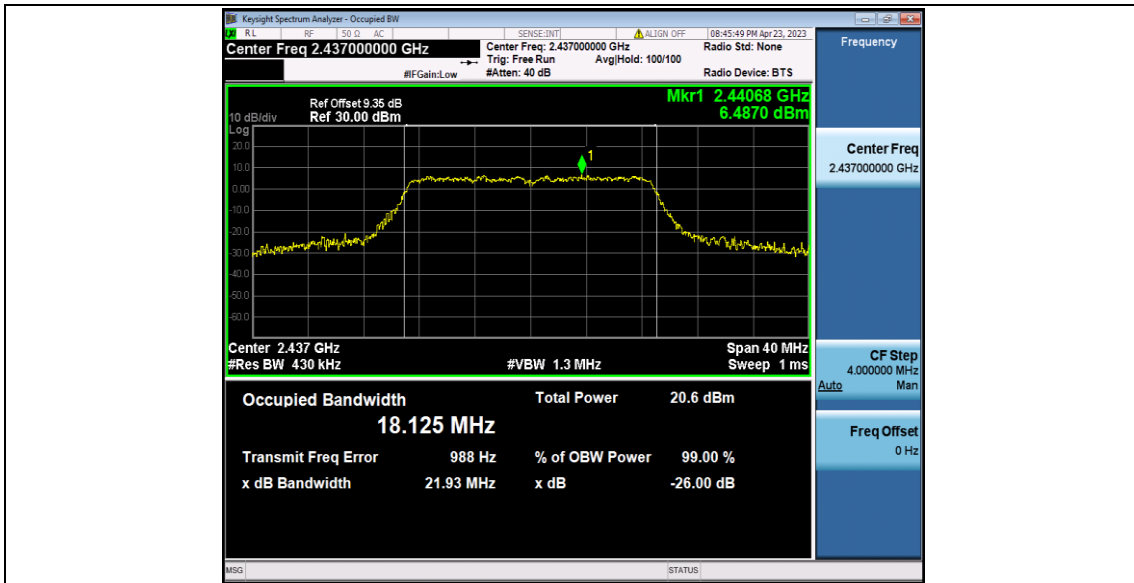
11G_Ant1_2437



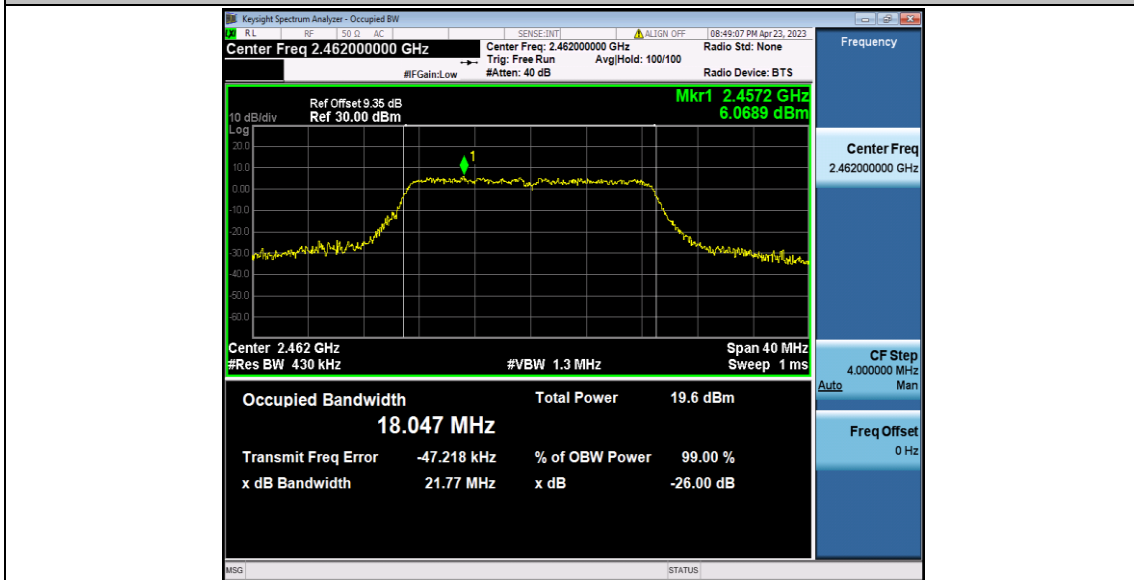
11G_Ant1_2462



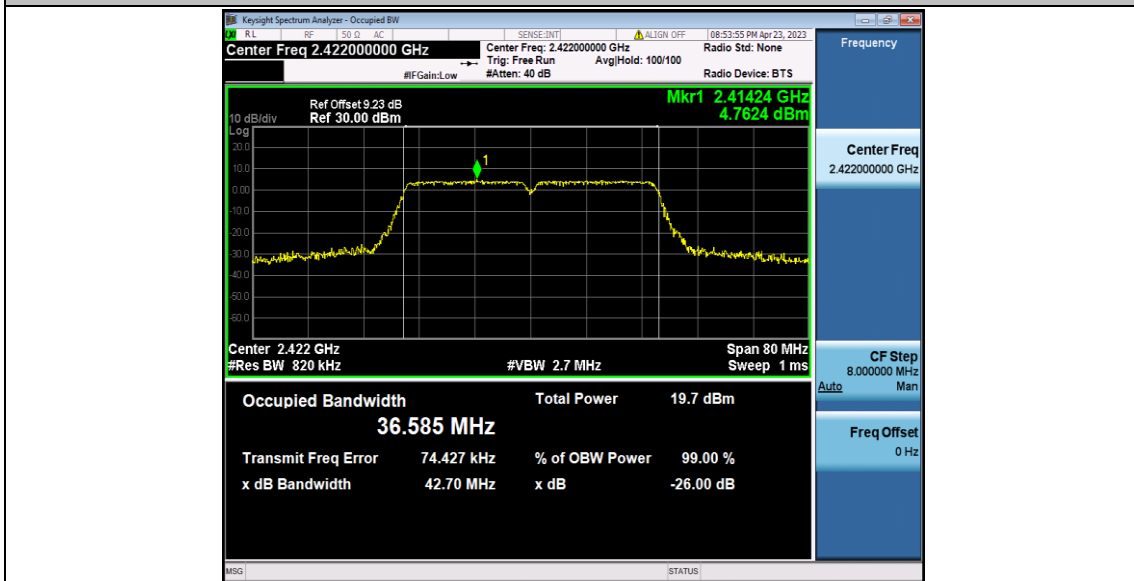
11N20SISO_Ant1_2412



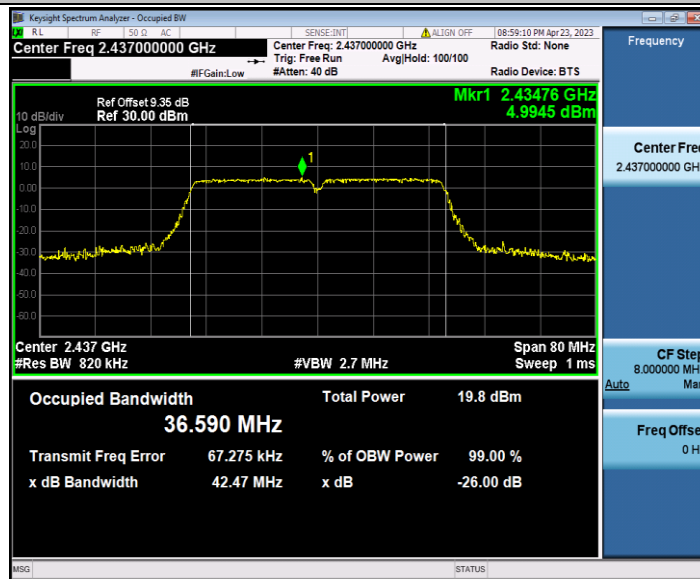
11N20SISO_Ant1_2437



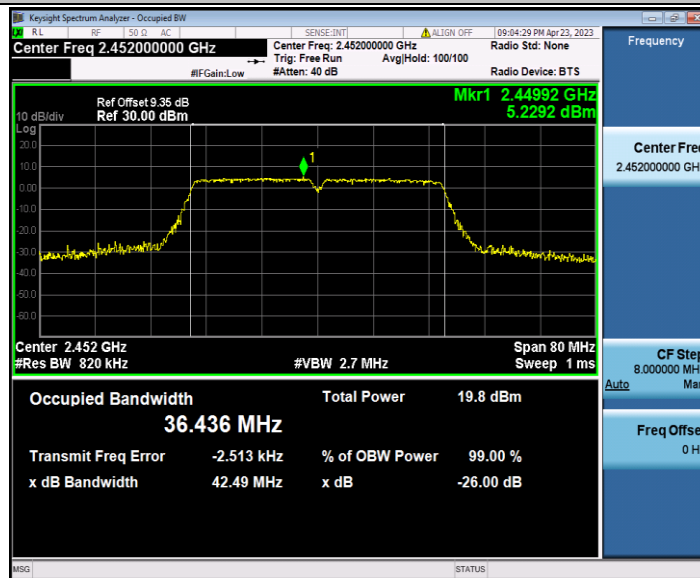
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix A.3: Maximum conducted output power

Test Result Peak

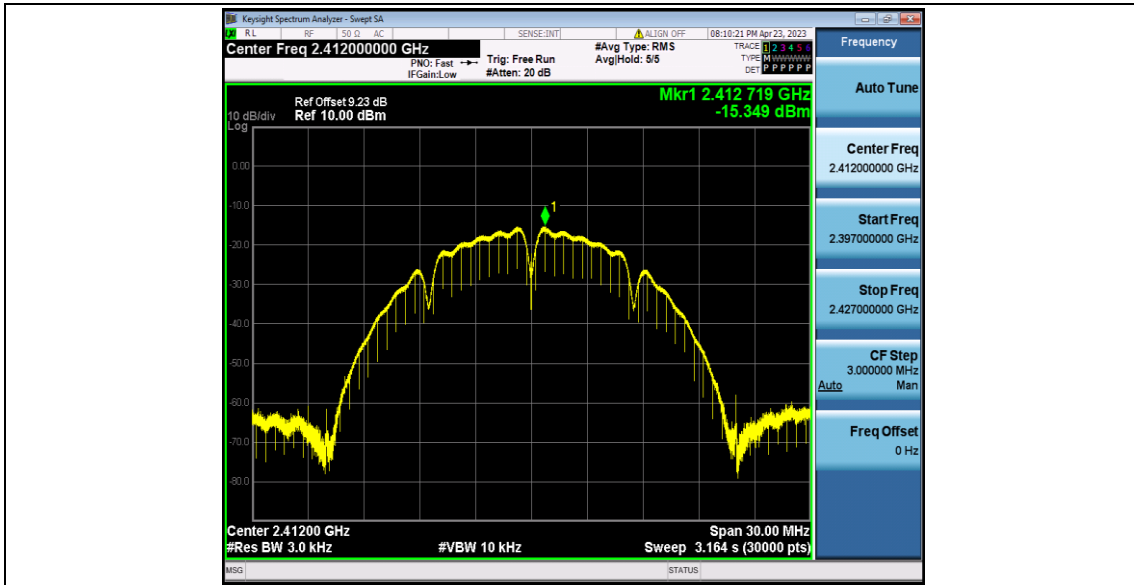
TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.26	≤30.00	PASS
		2437	18.83	≤30.00	PASS
		2462	18.39	≤30.00	PASS
11G	Ant1	2412	20.66	≤30.00	PASS
		2437	21.68	≤30.00	PASS
		2462	20.62	≤30.00	PASS
11N20SISO	Ant1	2412	20.65	≤30.00	PASS
		2437	21.85	≤30.00	PASS
		2462	20.85	≤30.00	PASS
11N40SISO	Ant1	2422	20.95	≤30.00	PASS
		2437	20.09	≤30.00	PASS
		2452	20.03	≤30.00	PASS

Appendix A.4: Maximum power spectral density

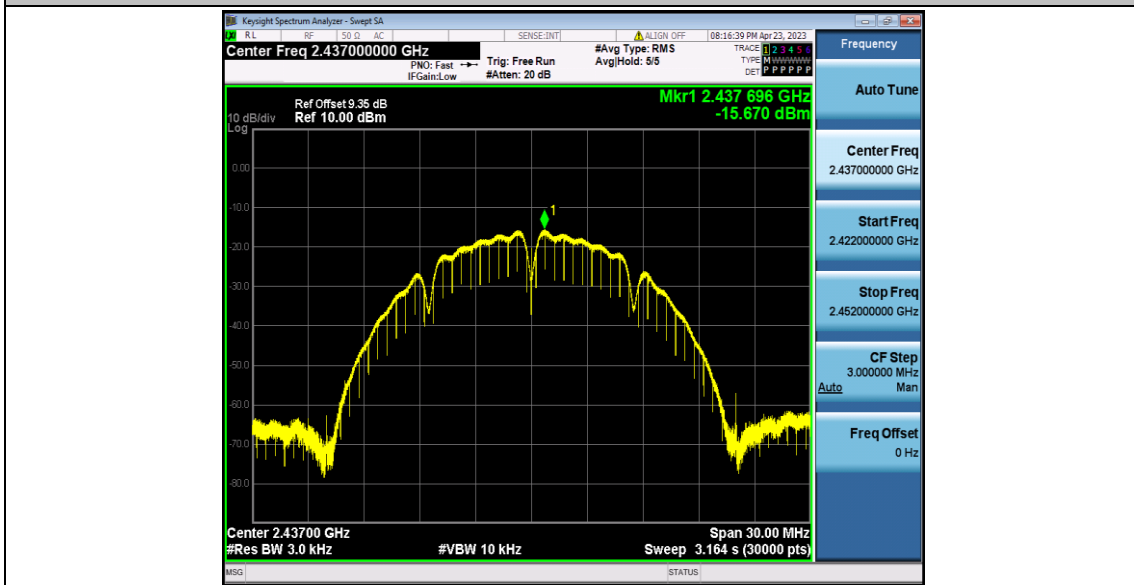
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.35	≤8.00	PASS
		2437	-15.67	≤8.00	PASS
		2462	-15.17	≤8.00	PASS
11G	Ant1	2412	-15.04	≤8.00	PASS
		2437	-14.23	≤8.00	PASS
		2462	-15.15	≤8.00	PASS
11N20SISO	Ant1	2412	-14.48	≤8.00	PASS
		2437	-13.89	≤8.00	PASS
		2462	-13.97	≤8.00	PASS
11N40SISO	Ant1	2422	-15.51	≤8.00	PASS
		2437	-15.99	≤8.00	PASS
		2452	-16.44	≤8.00	PASS

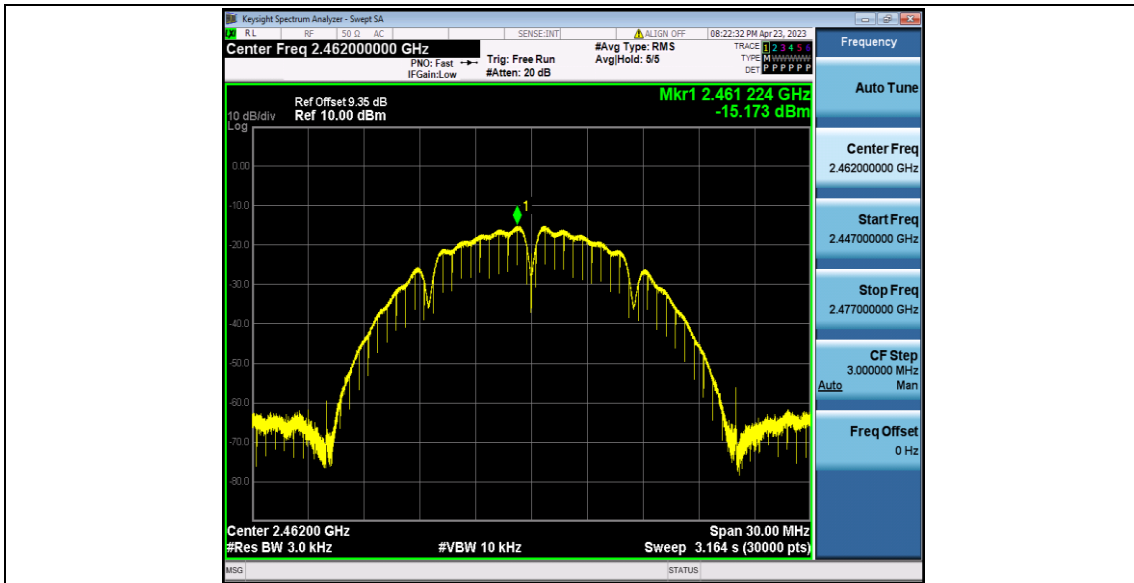
Test Graphs



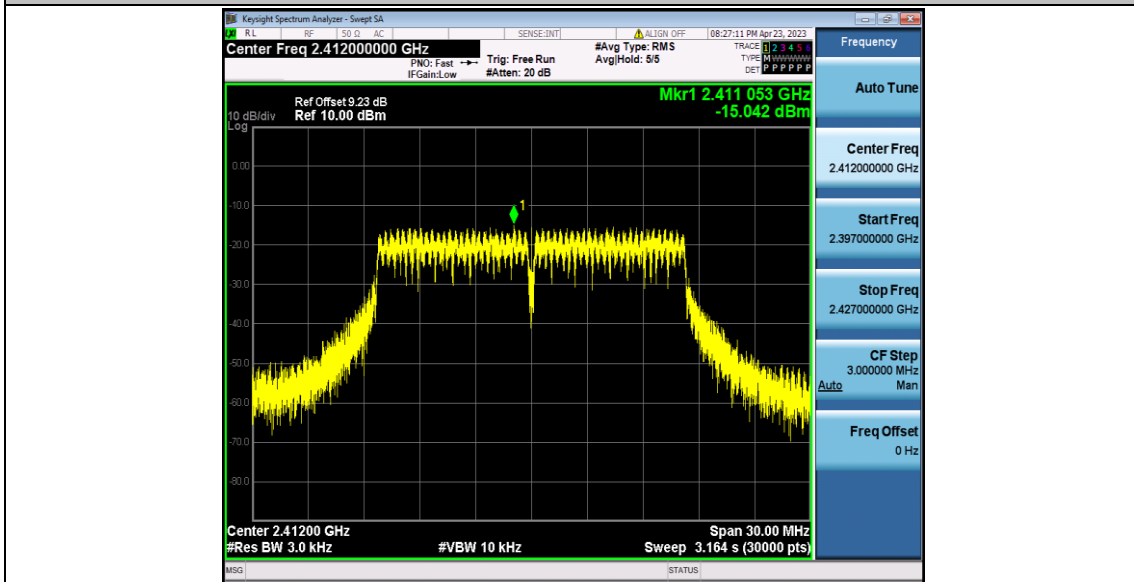
11B_Ant1_2412



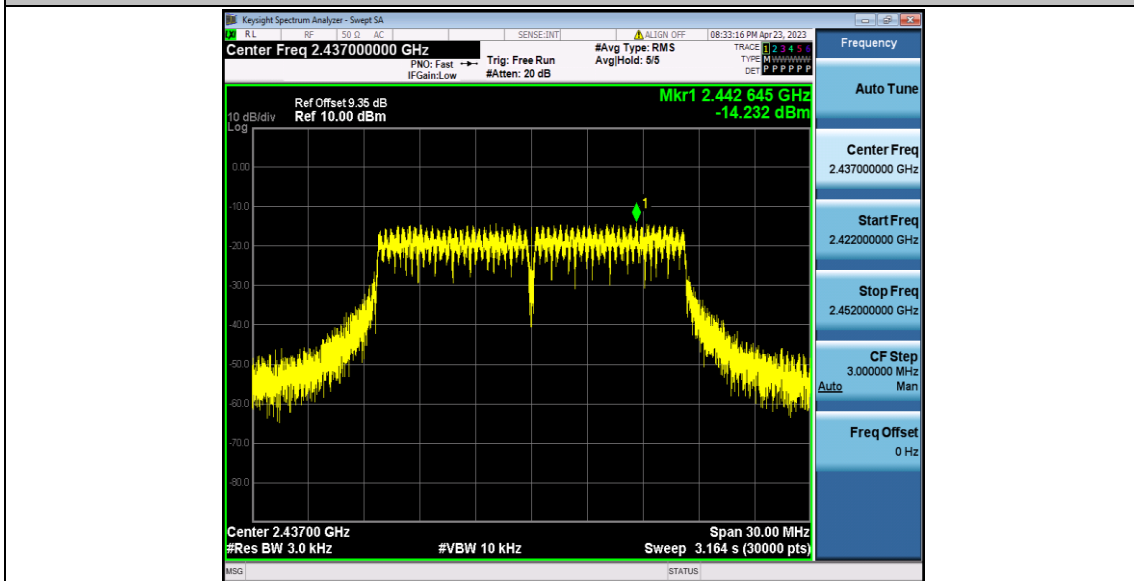
11B_Ant1_2437



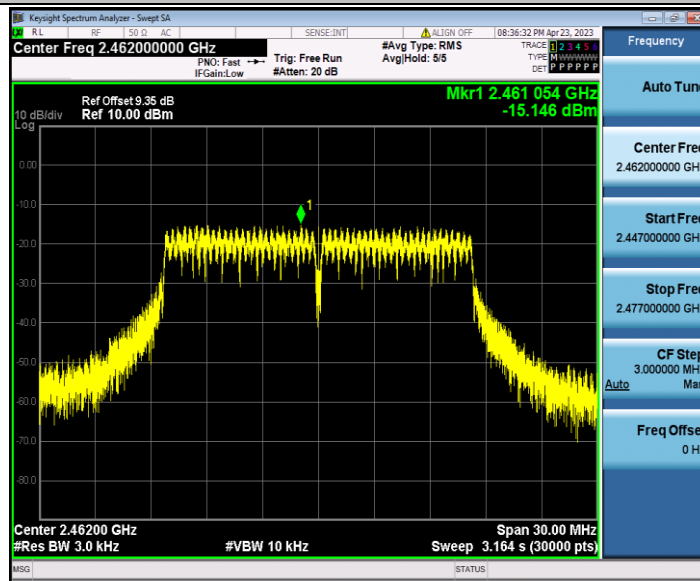
11B_Ant1_2462



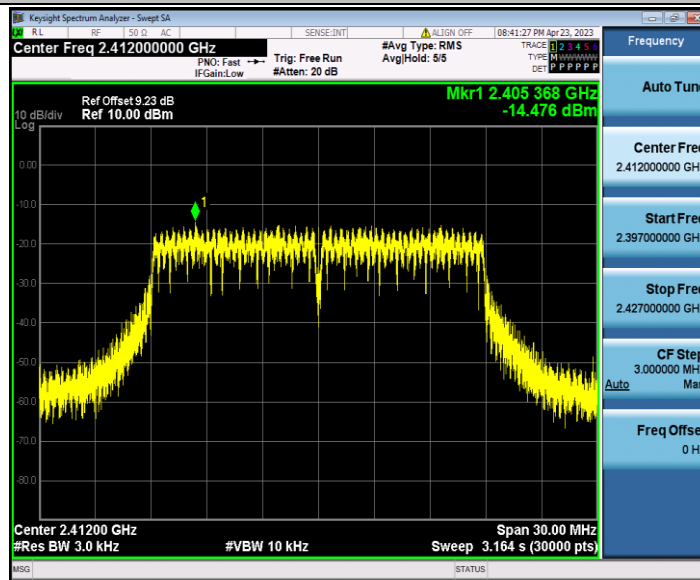
11G_Ant1_2412



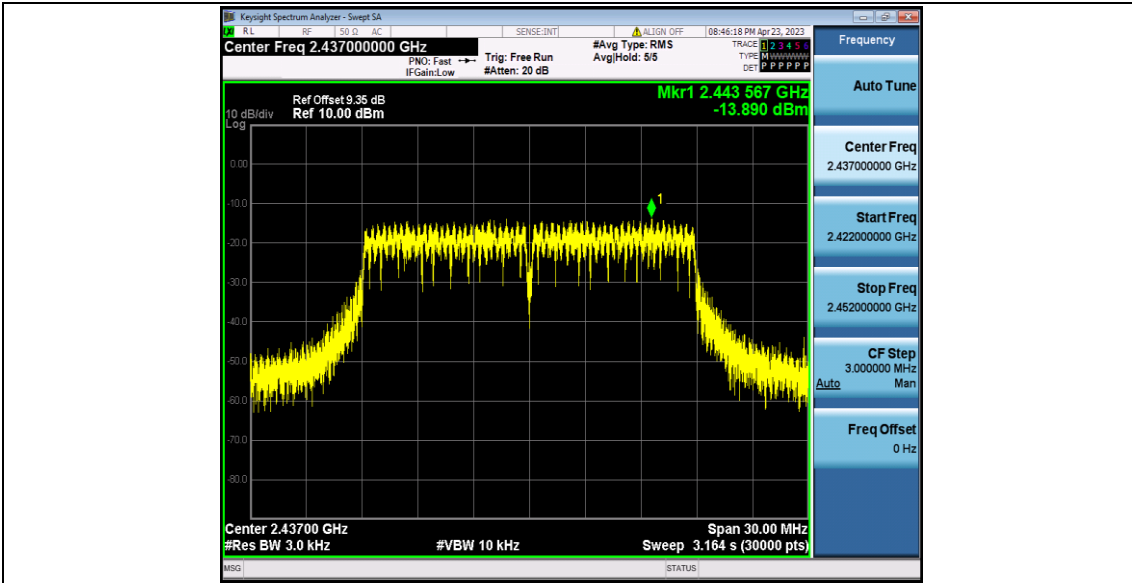
11G_Ant1_2437



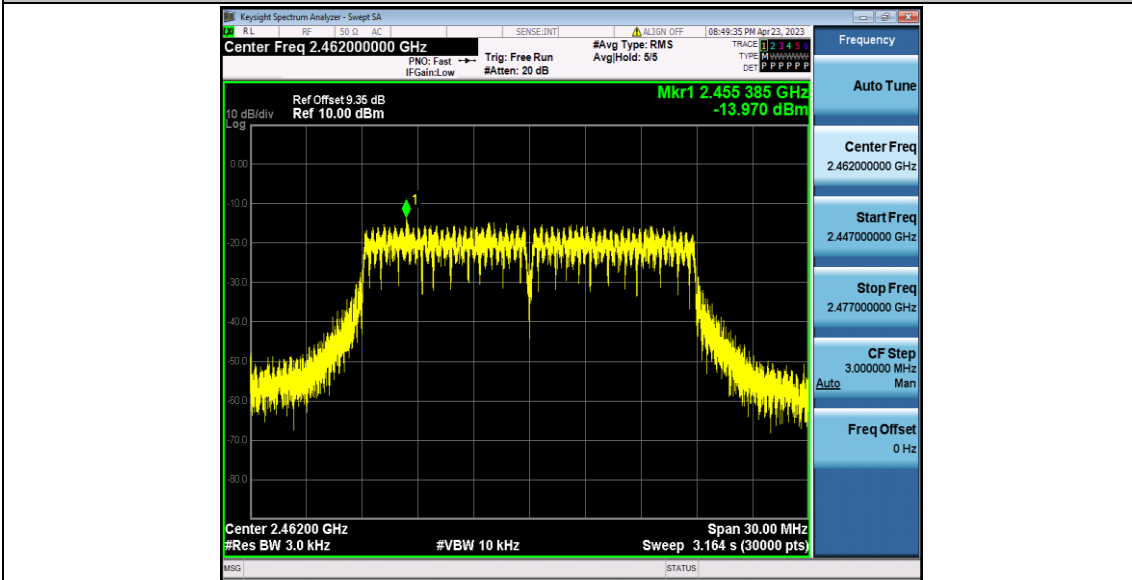
11G_Ant1_2462



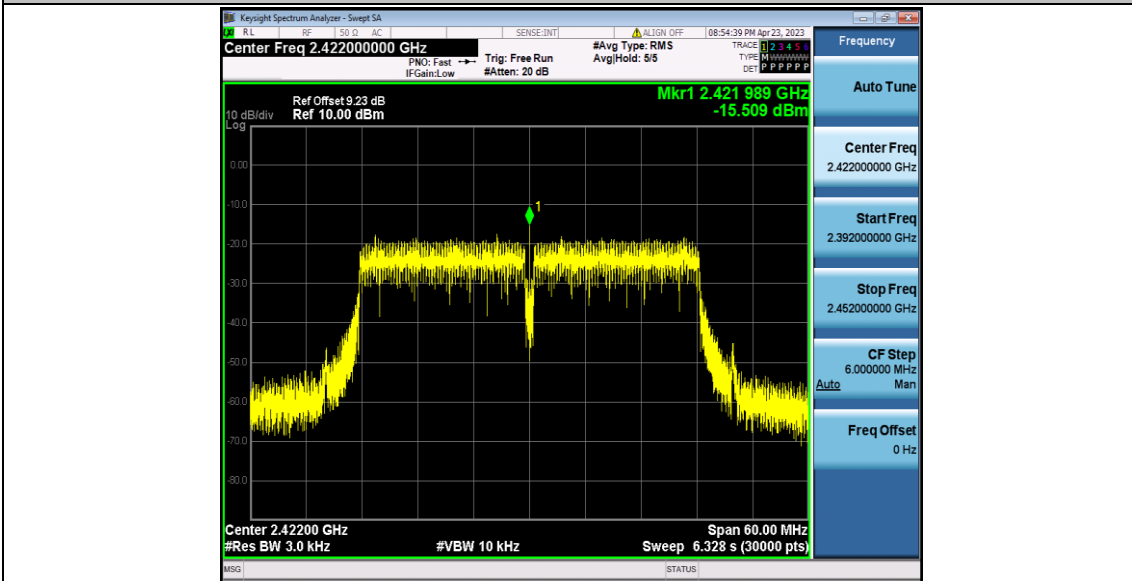
11N20SISO_Ant1_2412



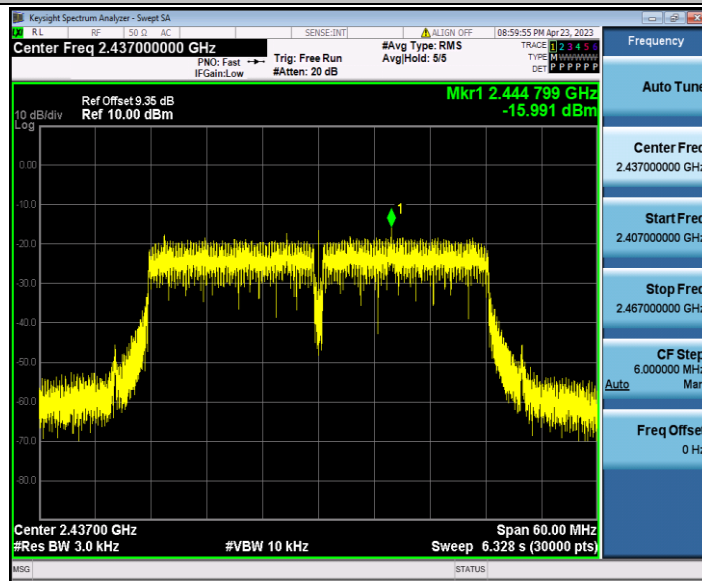
11N20SISO_Ant1_2437



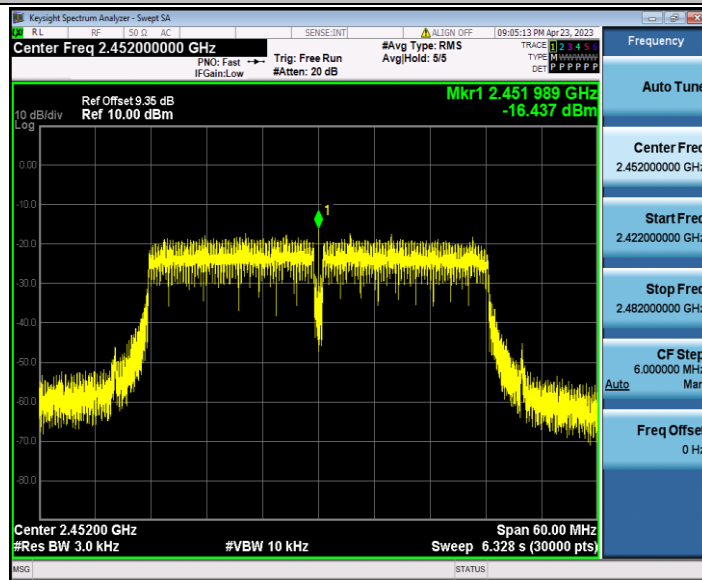
11N20SISO_Ant1_2462



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	4.59	-42.76	≤-15.41	PASS
		High	2462	5.00	-48.21	≤-15.01	PASS
11G	Ant1	Low	2412	-0.94	-32.75	≤-20.94	PASS
		High	2462	-0.72	-46.28	≤-20.72	PASS
11N20SISO	Ant1	Low	2412	-0.75	-31.36	≤-20.75	PASS
		High	2462	-0.45	-42.13	≤-20.45	PASS
11N40SISO	Ant1	Low	2422	-4.92	-34.32	≤-24.92	PASS
		High	2452	-4.21	-41.04	≤-24.21	PASS