

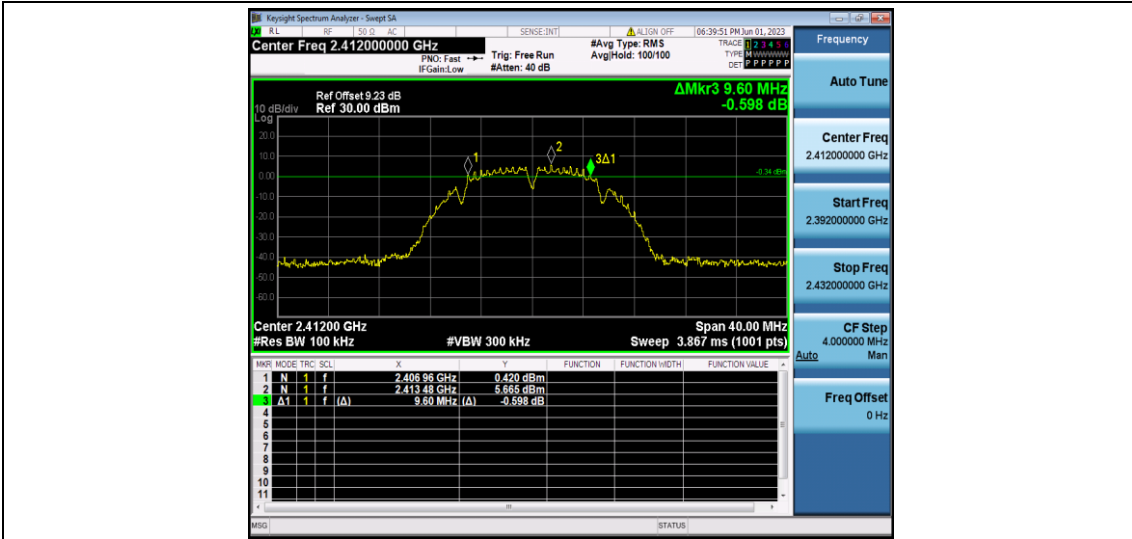
Case No. : <u>GTS20230227015-1-25</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.6.1</u> Test Engineer: <u>Jenny zeng</u>

Appendix A.1: DTS Bandwidth

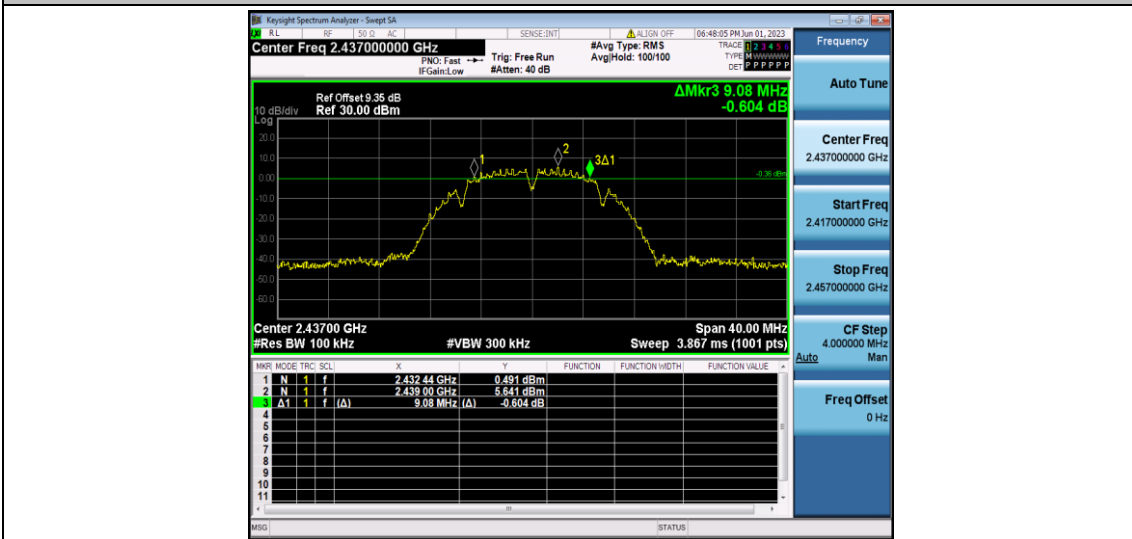
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.600	2406.960	2416.560	0.5	PASS
		2437	9.080	2432.440	2441.520	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.480	2420.520	0.5	PASS
		2437	17.000	2428.480	2445.480	0.5	PASS
		2462	16.920	2453.480	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.400	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs



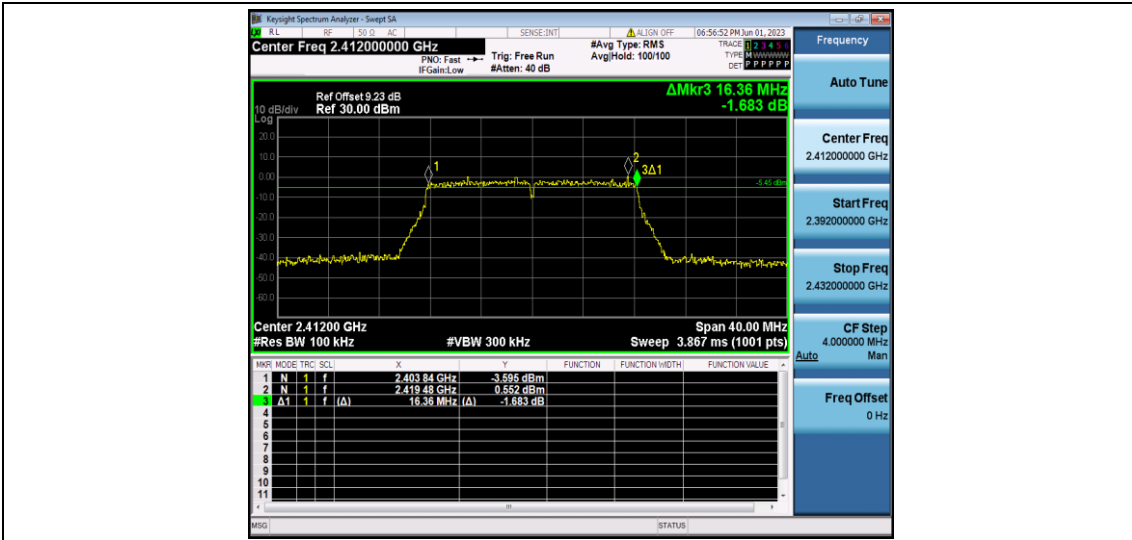
11B_Ant1_2412



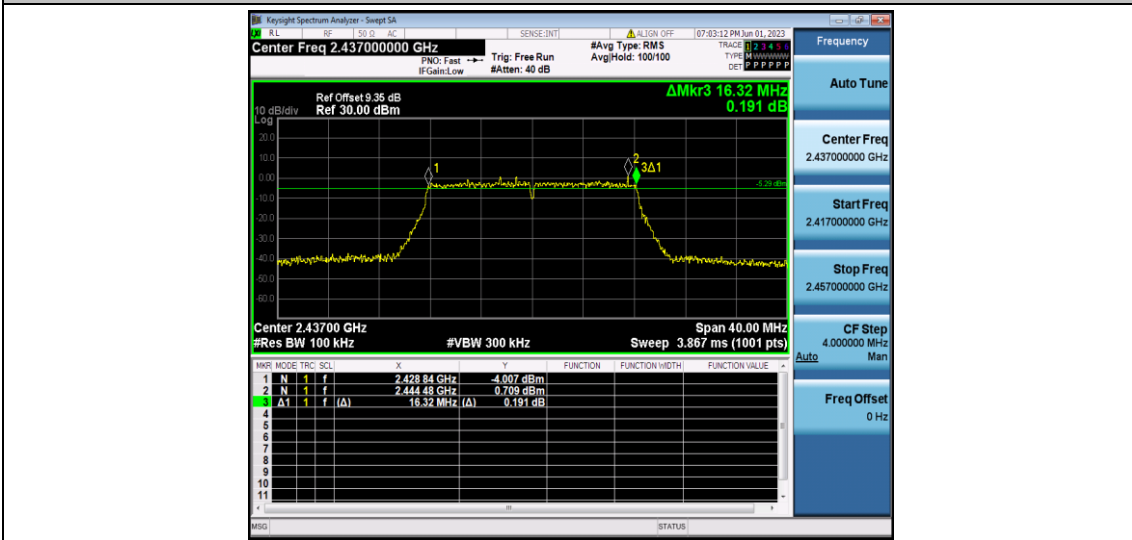
11B_Ant1_2437



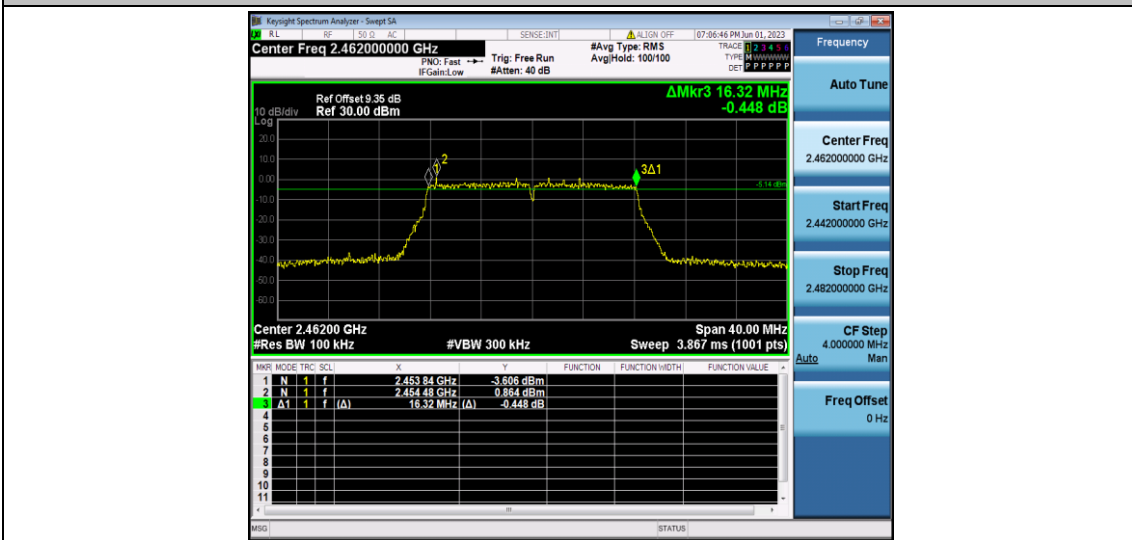
11B_Ant1_2462



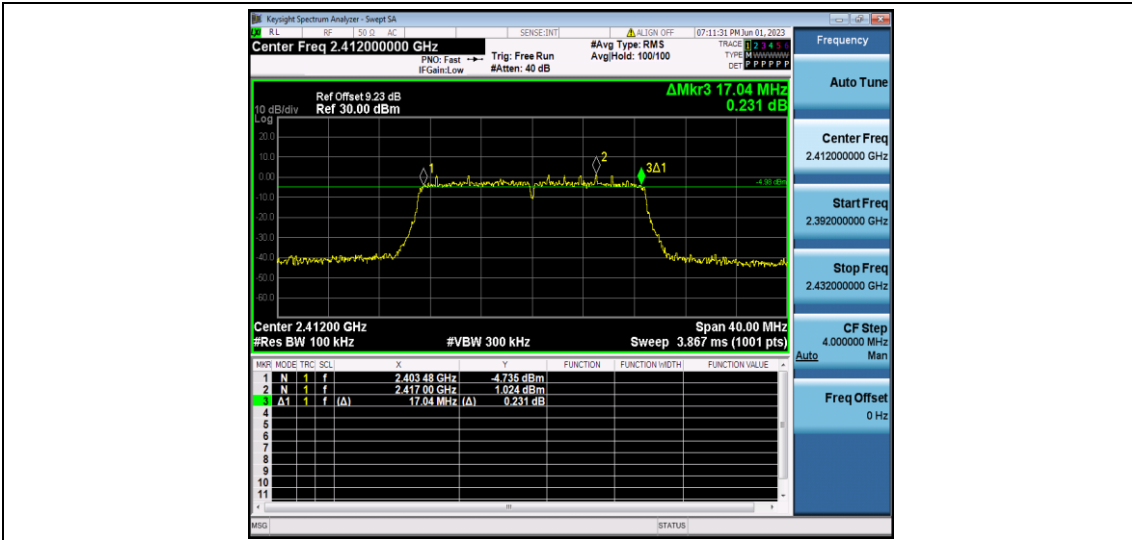
11G_Ant1_2412



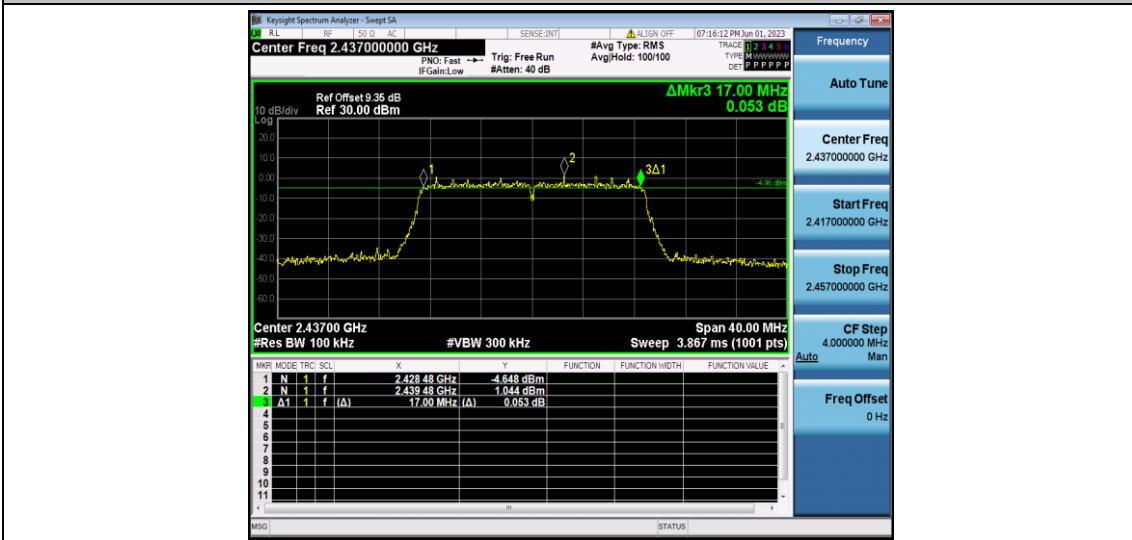
11G_Ant1_2437



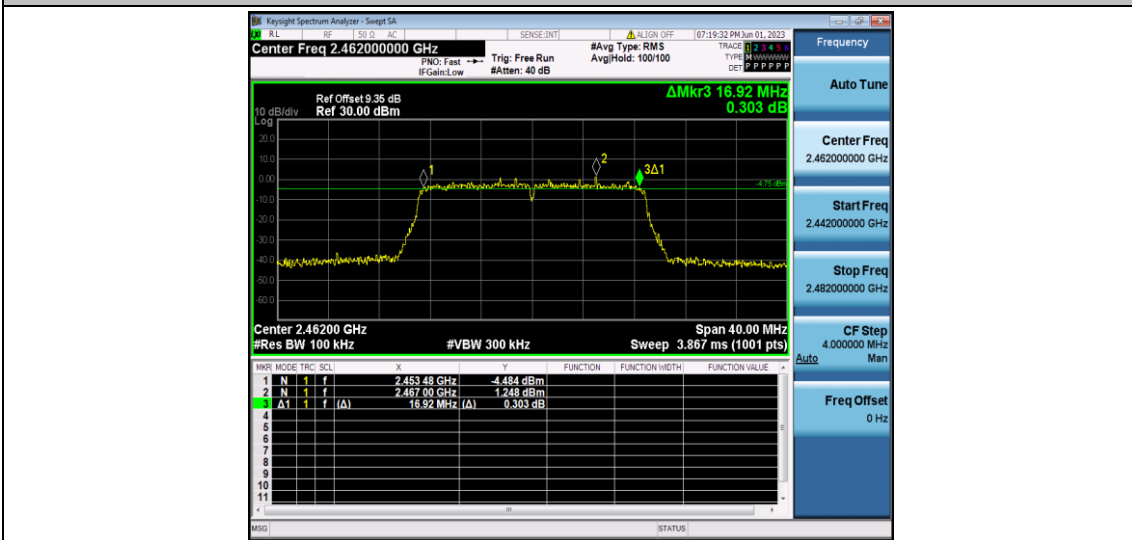
11G_Ant1_2462



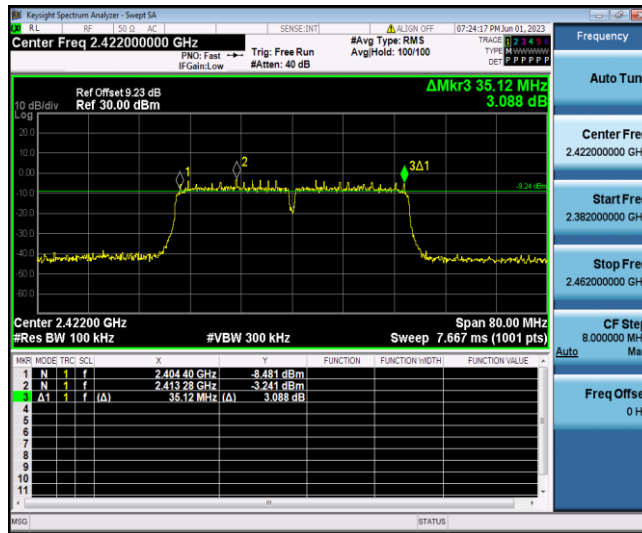
11N20SISO_Ant1_2412



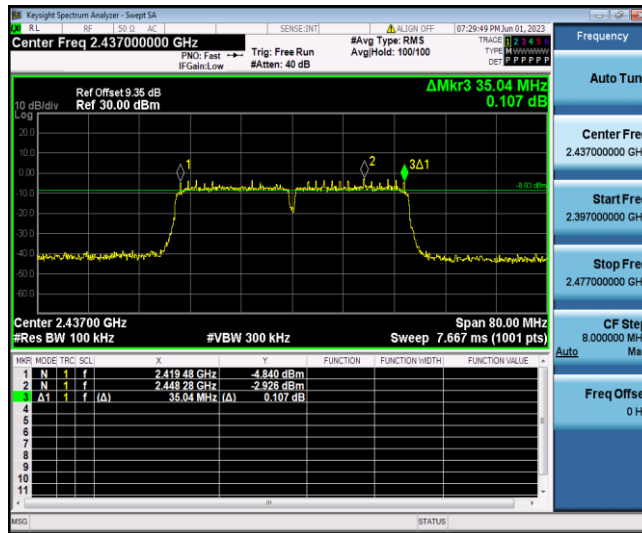
11N20SISO_Ant1_2437



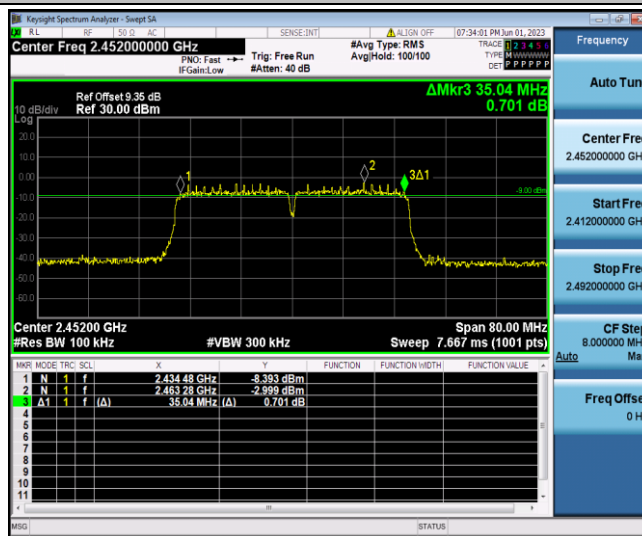
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix A.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.981	2405.518	2418.499	---	---
		2437	13.006	2430.498	2443.504	---	---
		2462	12.970	2455.496	2468.466	---	---
11G	Ant1	2412	16.728	2403.660	2420.388	---	---
		2437	16.785	2428.651	2445.436	---	---
		2462	16.696	2453.638	2470.334	---	---
11N20SISO	Ant1	2412	17.637	2403.158	2420.795	---	---
		2437	17.635	2428.194	2445.829	---	---
		2462	17.650	2453.163	2470.813	---	---
11N40SISO	Ant1	2422	35.990	2403.993	2439.983	---	---
		2437	35.983	2419.023	2455.006	---	---
		2452	35.887	2434.054	2469.941	---	---

Test Graphs



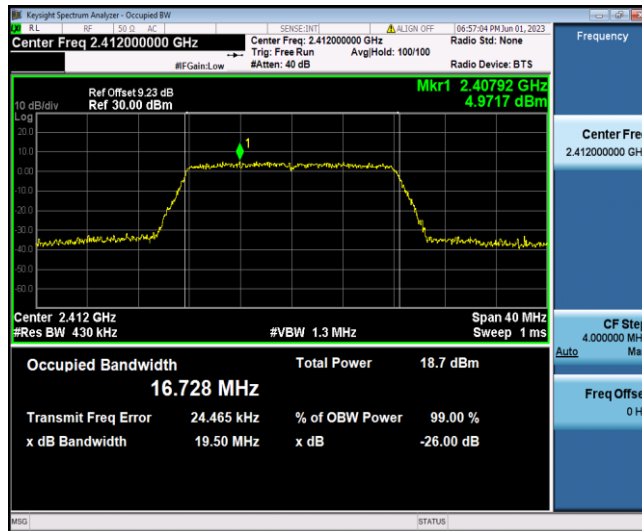
11B_Ant1_2412



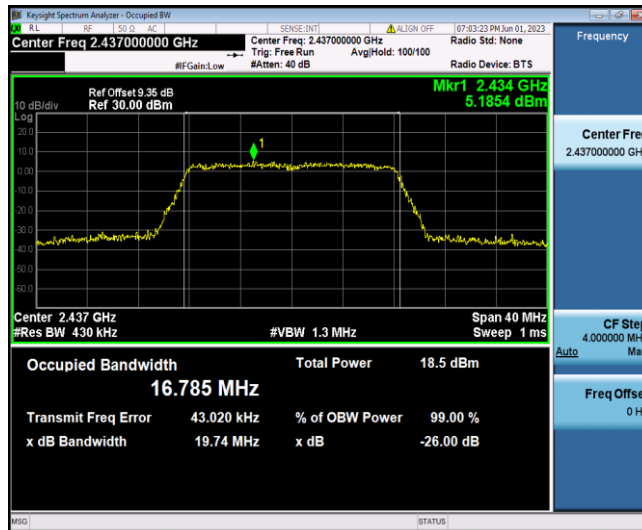
11B_Ant1_2437



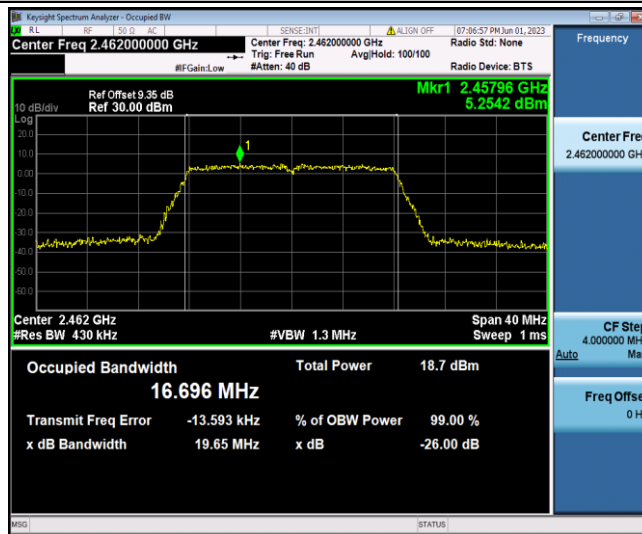
11B_Ant1_2462



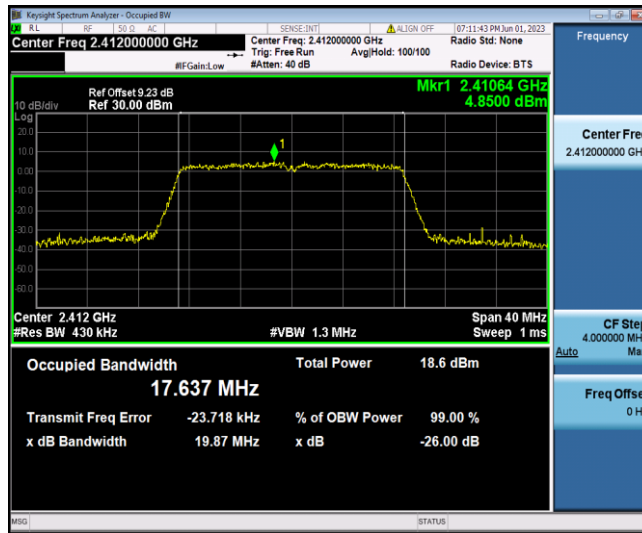
11G_Ant1_2412



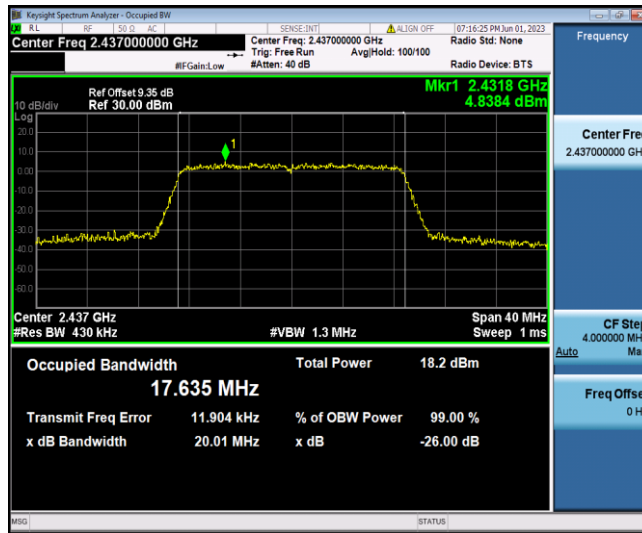
11G_Ant1_2437



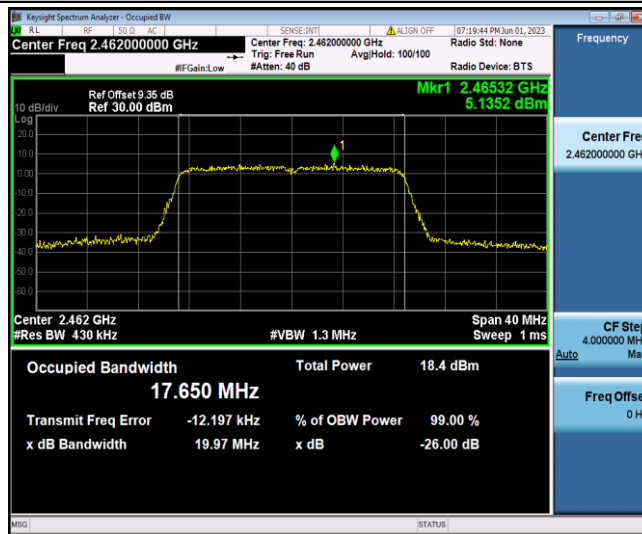
11G_Ant1_2462



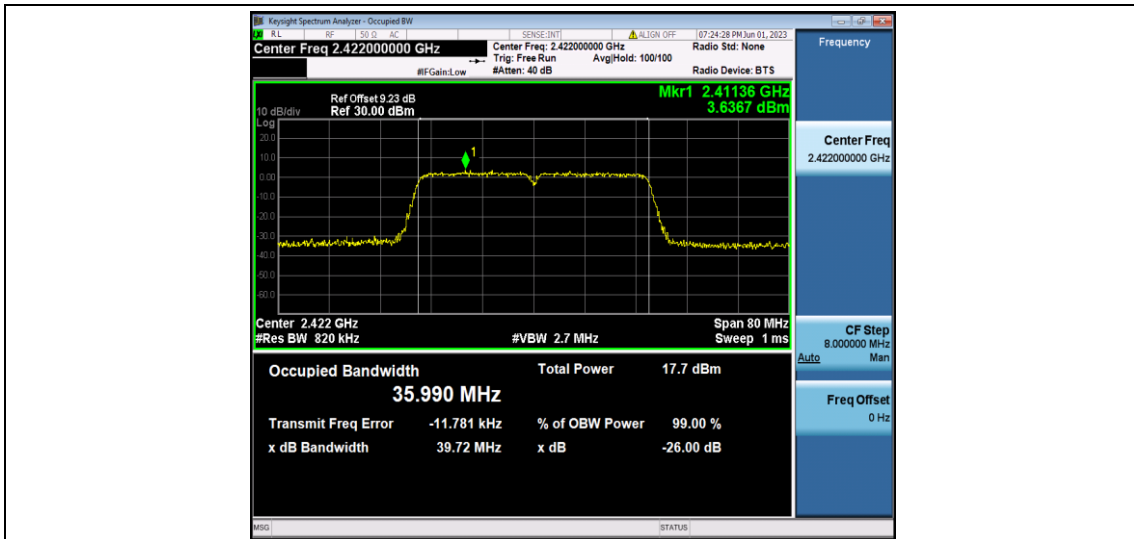
11N20SISO_Ant1_2412



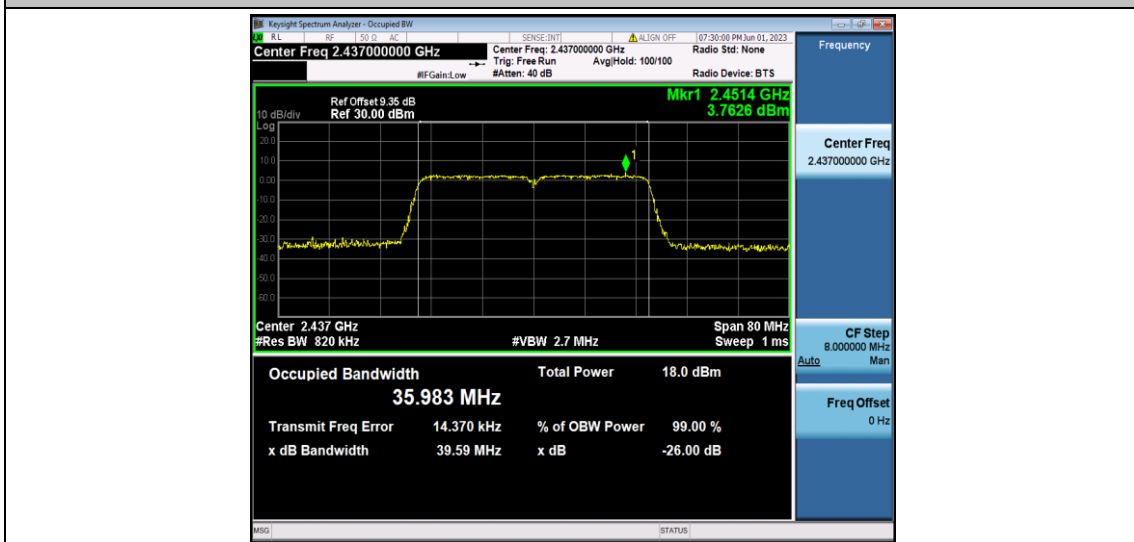
11N20SISO_Ant1_2437



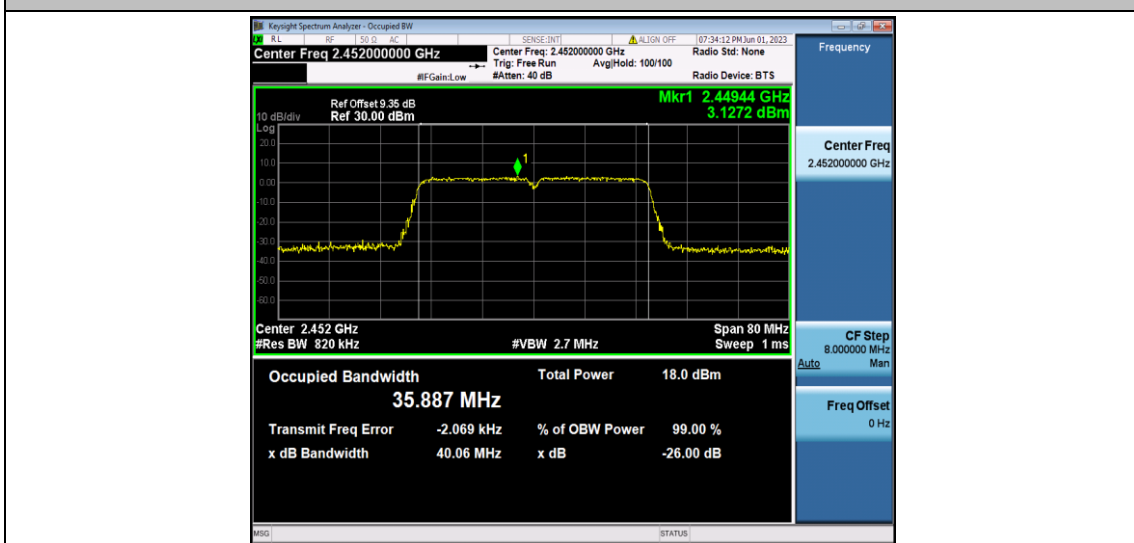
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	19.06	≤30.00	PASS
		2437	19.78	≤30.00	PASS
		2462	19.06	≤30.00	PASS
11G	Ant1	2412	19.81	≤30.00	PASS
		2437	19.60	≤30.00	PASS
		2462	19.88	≤30.00	PASS
11N20SISO	Ant1	2412	20.80	≤30.00	PASS
		2437	20.52	≤30.00	PASS
		2462	20.75	≤30.00	PASS
11N40SISO	Ant1	2422	20.98	≤30.00	PASS
		2437	20.32	≤30.00	PASS
		2452	20.33	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.88	≤8.00	PASS
		2437	-8.03	≤8.00	PASS
		2462	-6.23	≤8.00	PASS
11G	Ant1	2412	-12.96	≤8.00	PASS
		2437	-11.56	≤8.00	PASS
		2462	-12.63	≤8.00	PASS
11N20SISO	Ant1	2412	-13.07	≤8.00	PASS
		2437	-12.9	≤8.00	PASS
		2462	-13.01	≤8.00	PASS
11N40SISO	Ant1	2422	-17.49	≤8.00	PASS
		2437	-16.62	≤8.00	PASS
		2452	-16.69	≤8.00	PASS

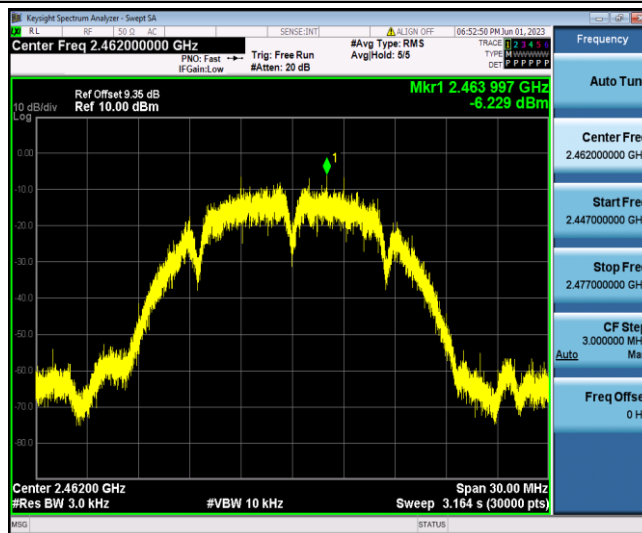
Test Graphs



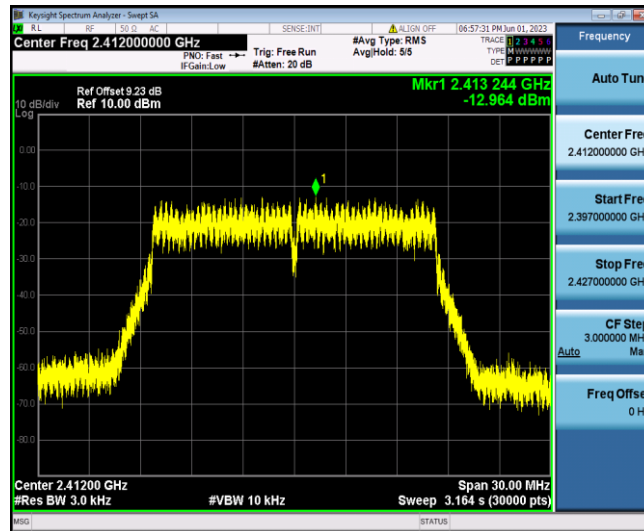
11B_Ant1_2412



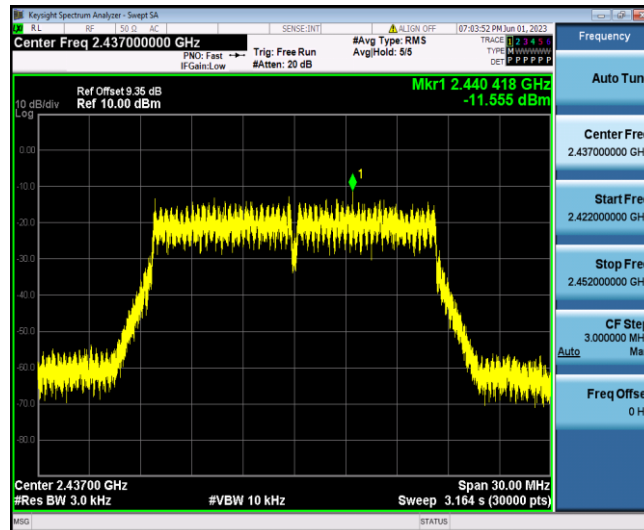
11B_Ant1_2437



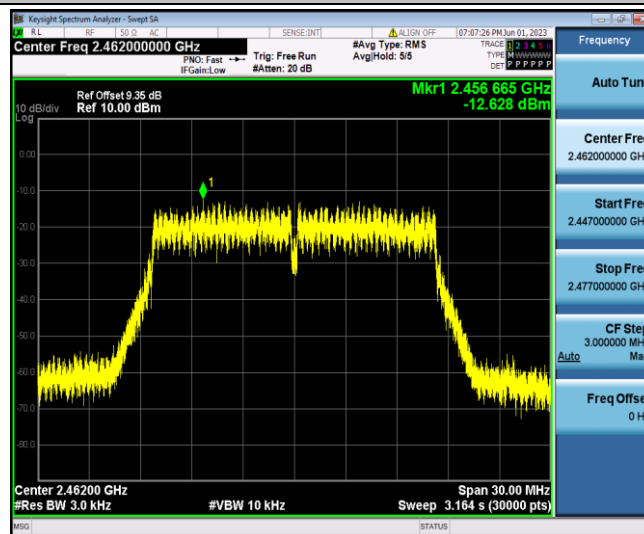
11B_Ant1_2462



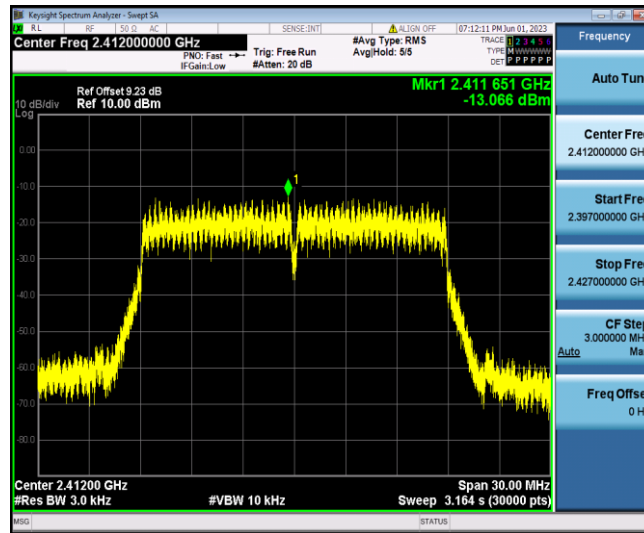
11G_Ant1_2412



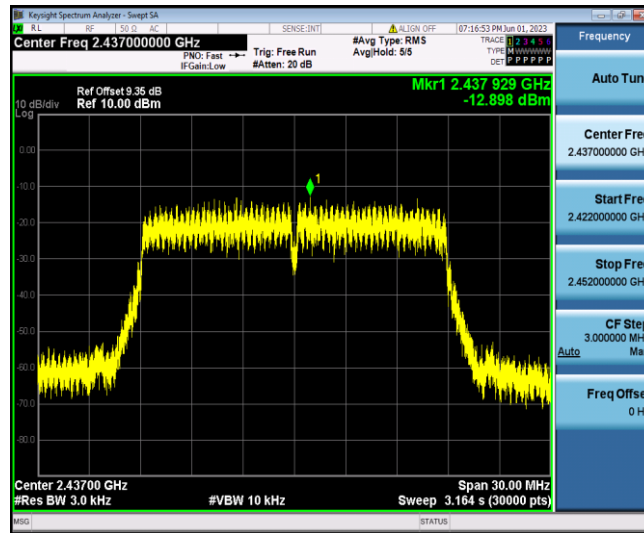
11G_Ant1_2437



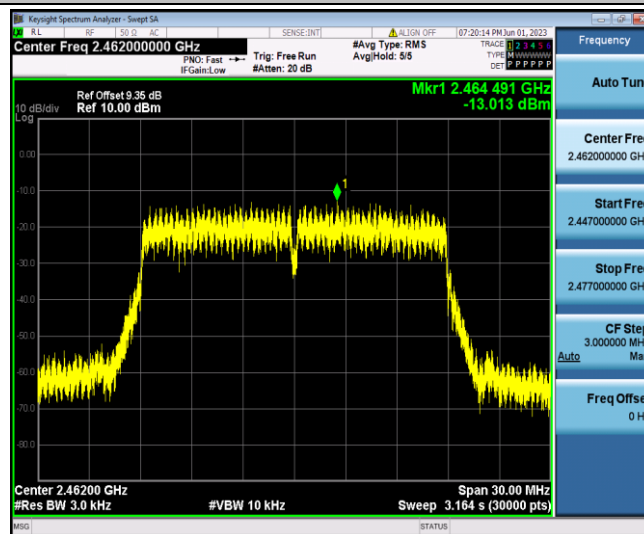
11G_Ant1_2462



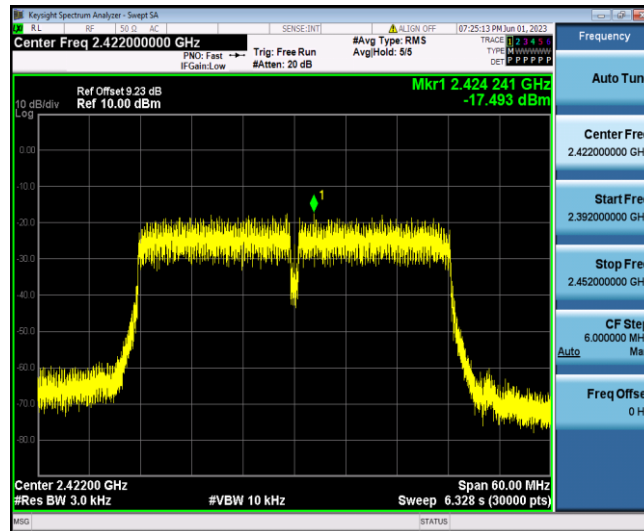
11N20SISO_Ant1_2412



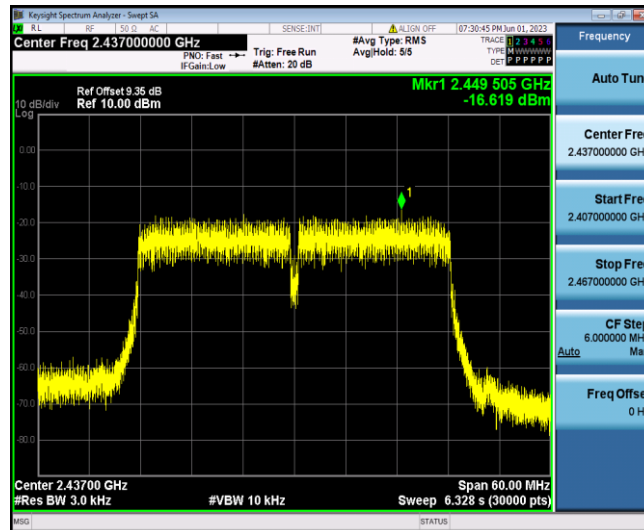
11N20SISO_Ant1_2437



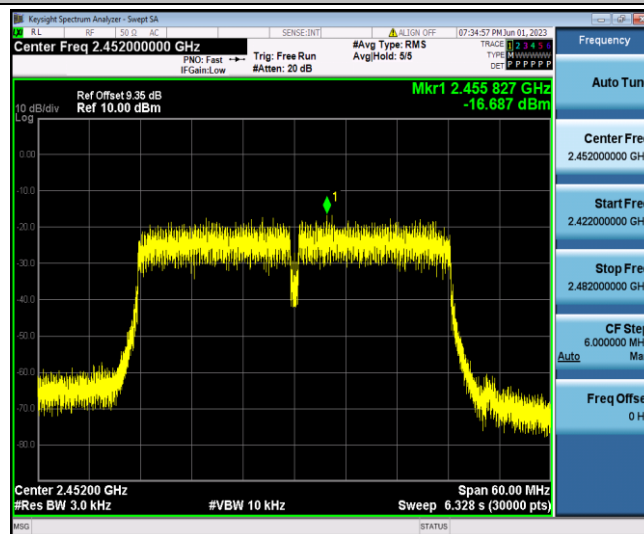
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix A.5: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.08	-44.42	≤-13.92	PASS
		High	2462	6.12	-46.6	≤-13.89	PASS
11G	Ant1	Low	2412	1.23	-38.82	≤-18.77	PASS
		High	2462	1.61	-46.06	≤-18.39	PASS
11N20SISO	Ant1	Low	2412	1.56	-38.81	≤-18.44	PASS
		High	2462	1.56	-46.94	≤-18.45	PASS
11N40SISO	Ant1	Low	2422	-3.36	-41.27	≤-23.36	PASS
		High	2452	-2.77	-48.4	≤-22.77	PASS