

Case No. : <u>GTS20230103014-1-17</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.2.23</u> Test Engineer: <u>Jenny zeng</u>

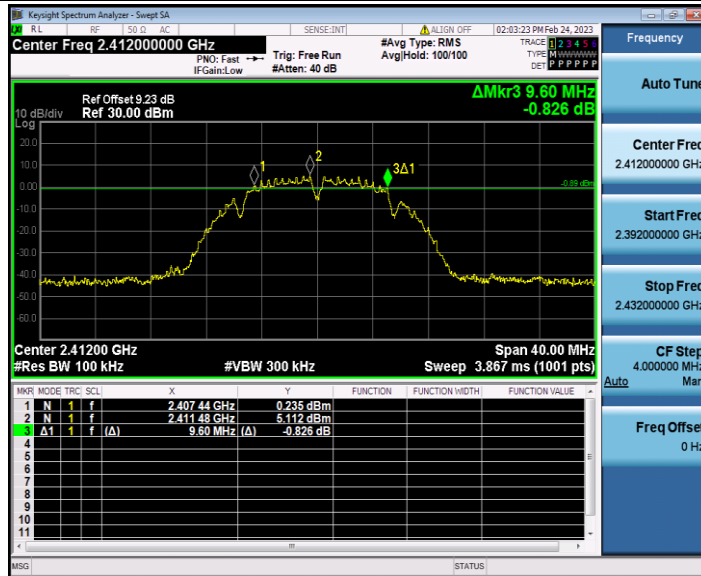
Appendix A.1: DTS Bandwidth

Test Result

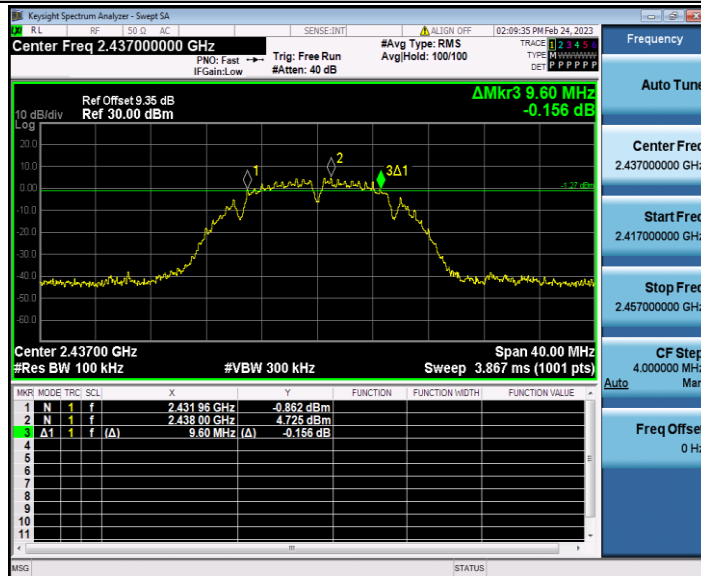
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.600	2407.440	2417.040	0.5	PASS
		2437	9.600	2431.960	2441.560	0.5	PASS
		2462	9.520	2457.480	2467.000	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.480	2420.520	0.5	PASS
		2437	17.080	2428.480	2445.560	0.5	PASS
		2462	17.040	2453.480	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.400	2439.520	0.5	PASS
		2437	35.360	2419.400	2454.760	0.5	PASS
		2452	35.280	2434.480	2469.760	0.5	PASS

Test Graphs

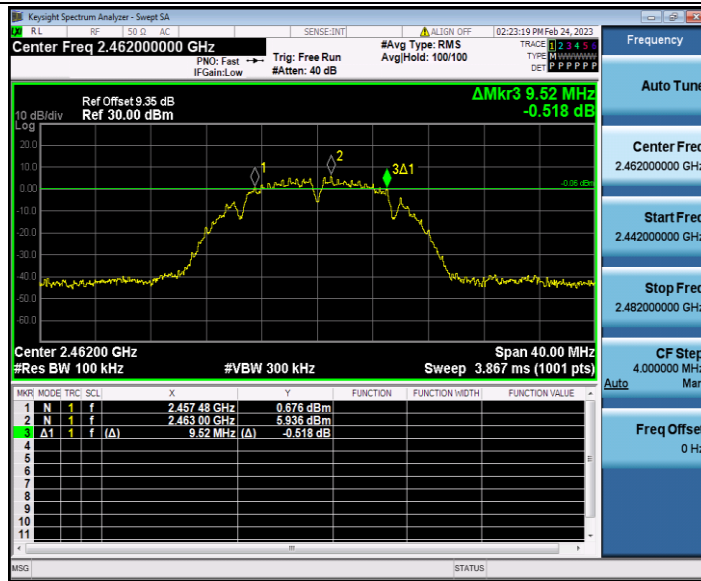
11B_Ant1_2412



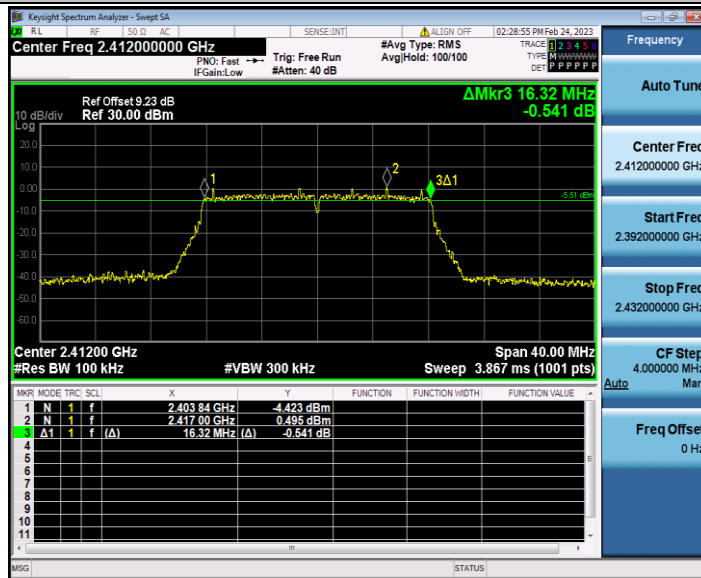
11B_Ant1_2437



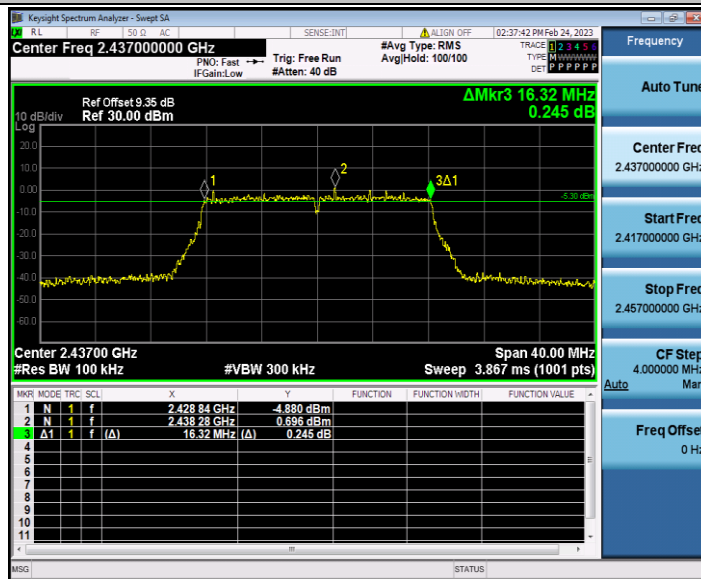
11B_Ant1_2462



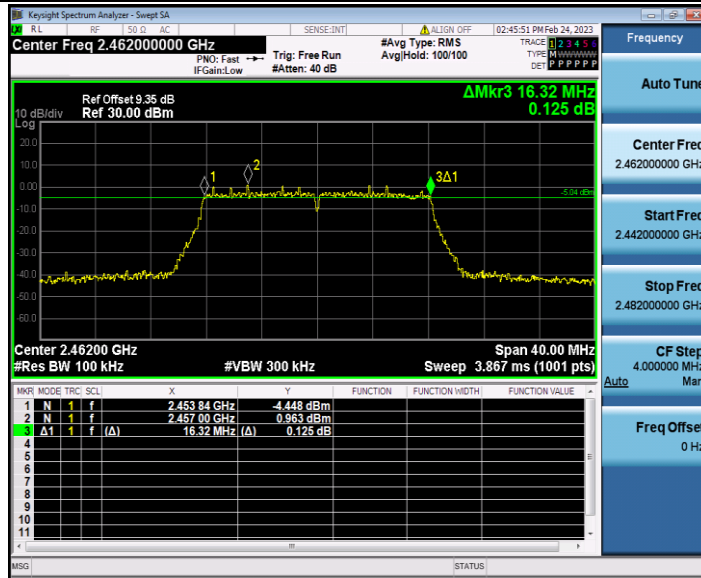
11G_Ant1_2412



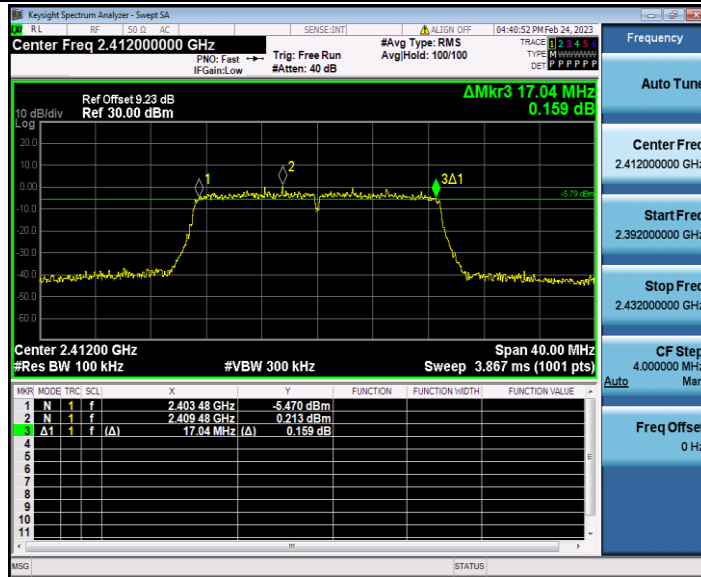
11G_Ant1_2437



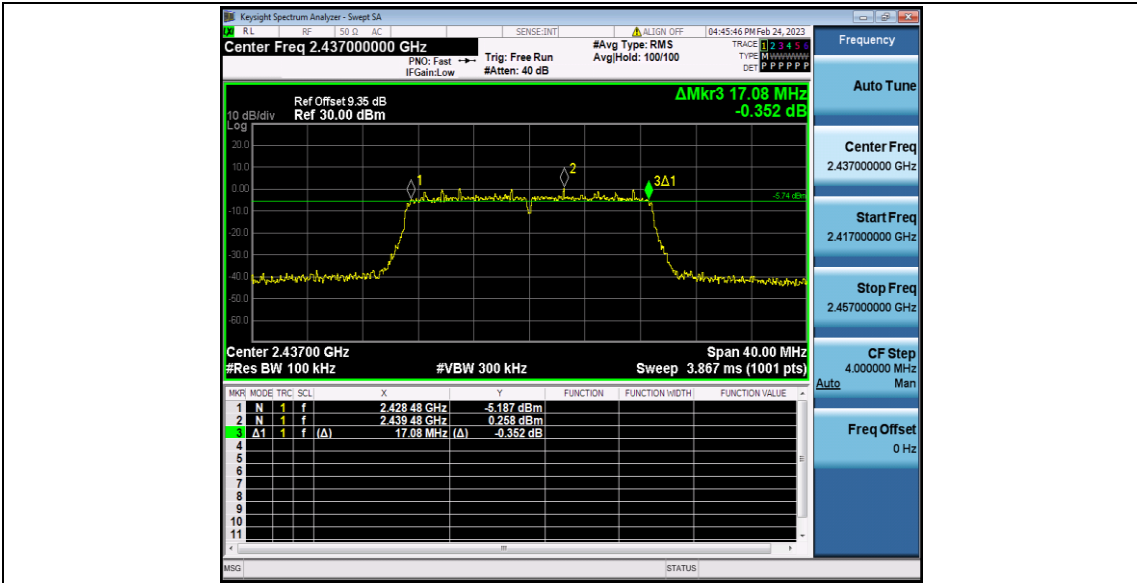
11G_Ant1_2462



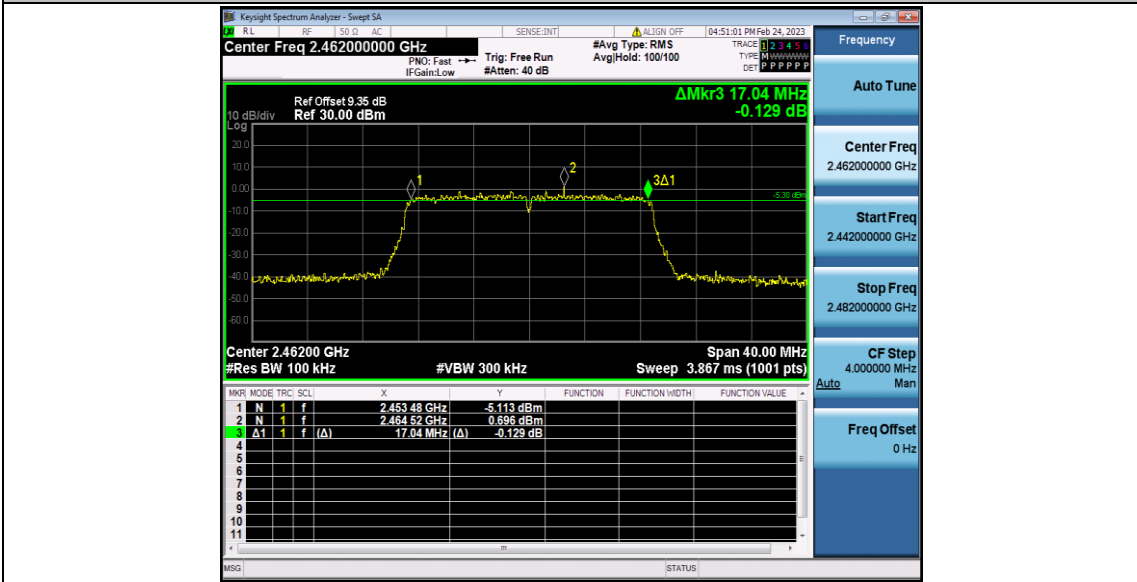
11N20SISO_Ant1_2412



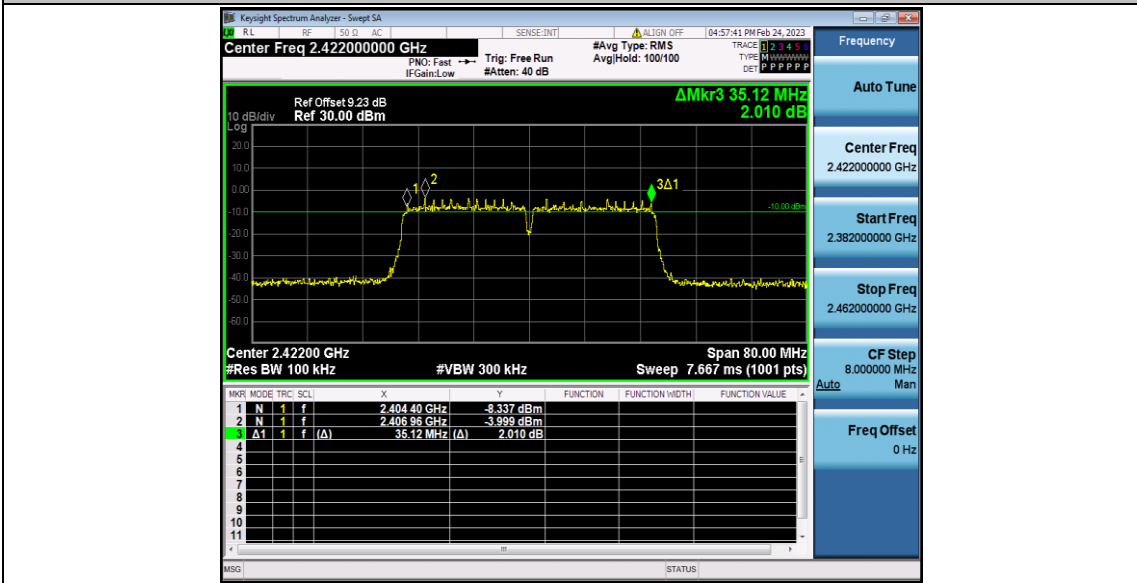
11N20SISO_Ant1_2437



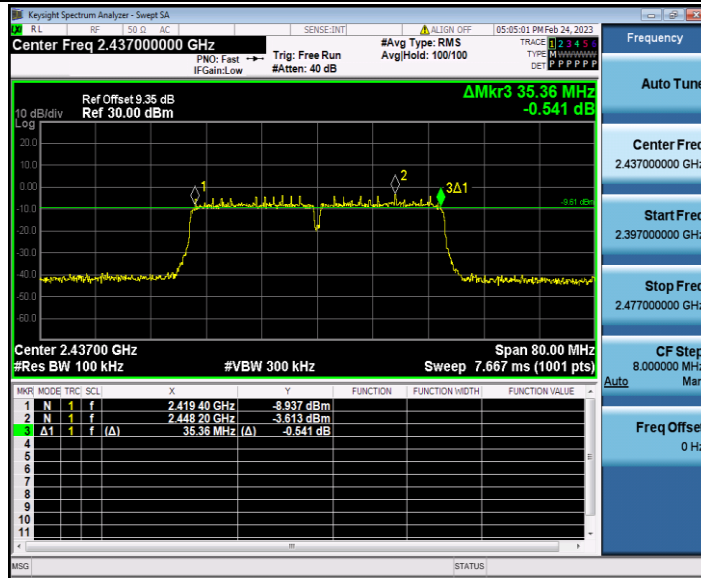
11N20SISO_Ant1_2462



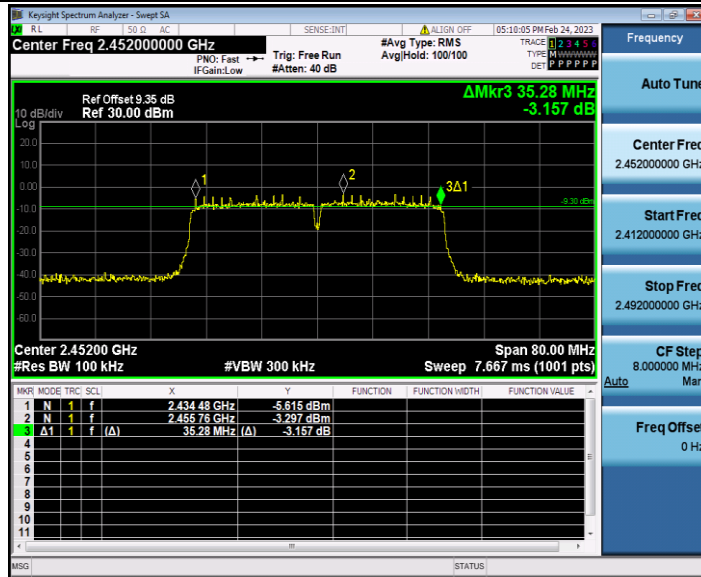
11N40SISO_Ant1_2422



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	12.999	2405.491	2418.490	---	---
		2437	13.027	2430.503	2443.530	---	---
		2462	12.981	2455.497	2468.478	---	---
11G	Ant1	2412	16.775	2403.589	2420.364	---	---
		2437	16.801	2428.625	2445.426	---	---
		2462	16.809	2453.601	2470.410	---	---
11N20SISO	Ant1	2412	17.634	2403.174	2420.808	---	---
		2437	17.628	2428.179	2445.807	---	---
		2462	17.615	2453.204	2470.819	---	---
11N40SISO	Ant1	2422	35.966	2404.008	2439.974	---	---
		2437	35.983	2419.051	2455.034	---	---
		2452	35.928	2434.068	2469.996	---	---

Test Graphs

11B_Ant1_2412



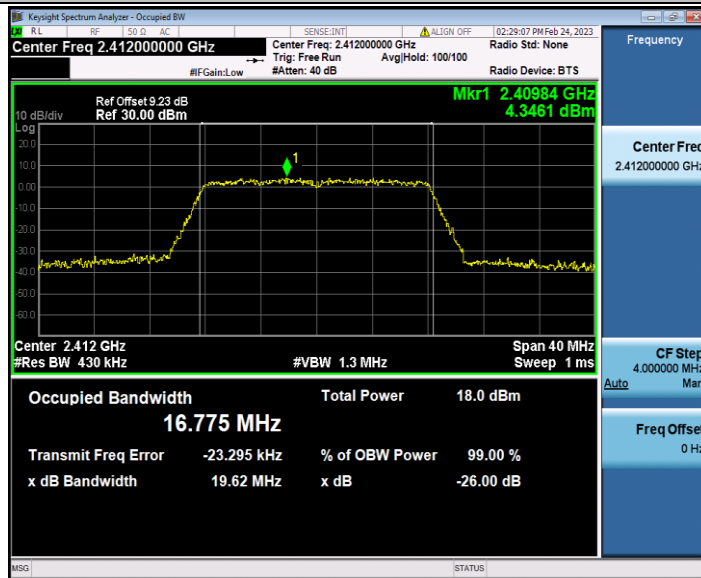
11B_Ant1_2437



11B_Ant1_2462



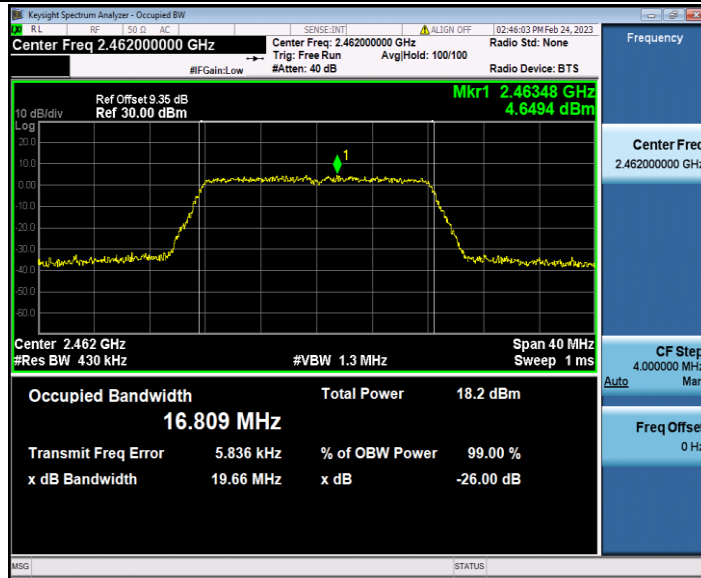
11G_Ant1_2412



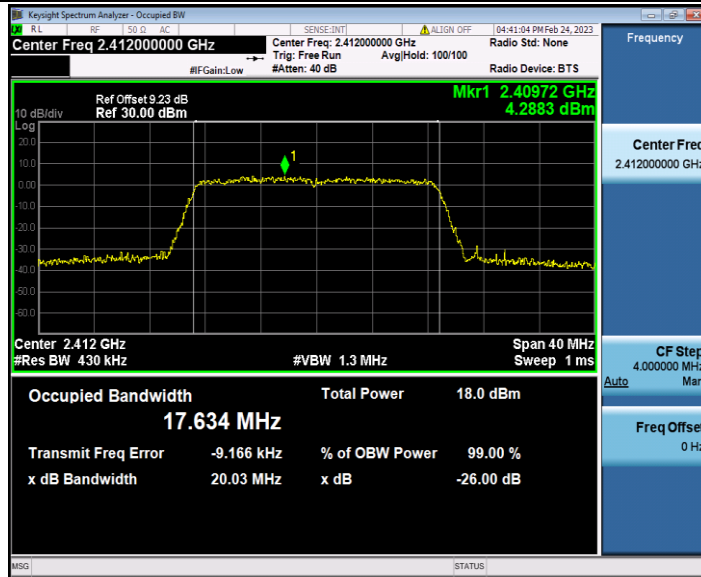
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



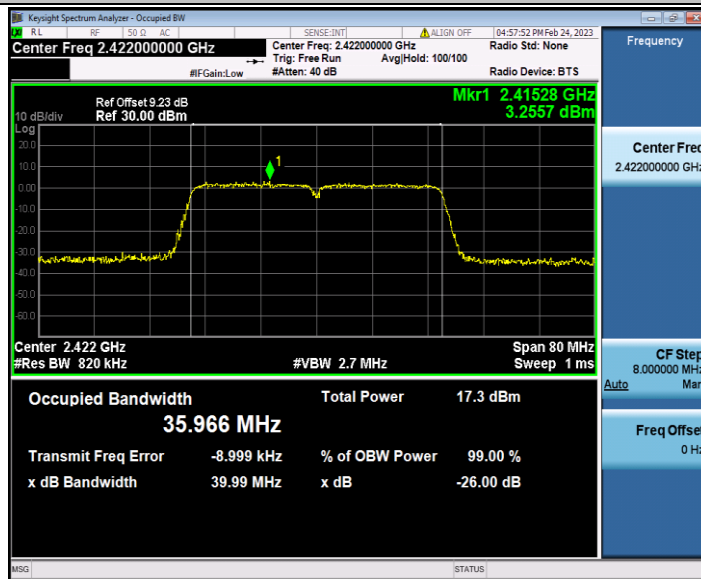
11N20SISO_Ant1_2437



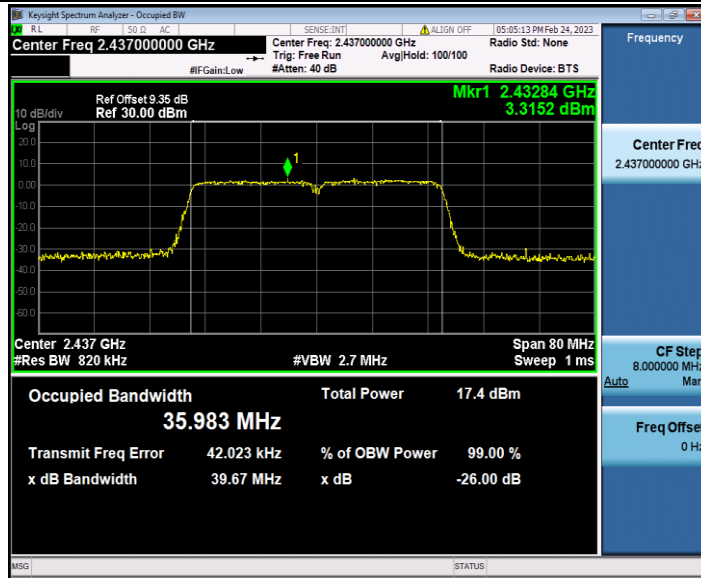
11N20SISO_Ant1_2462



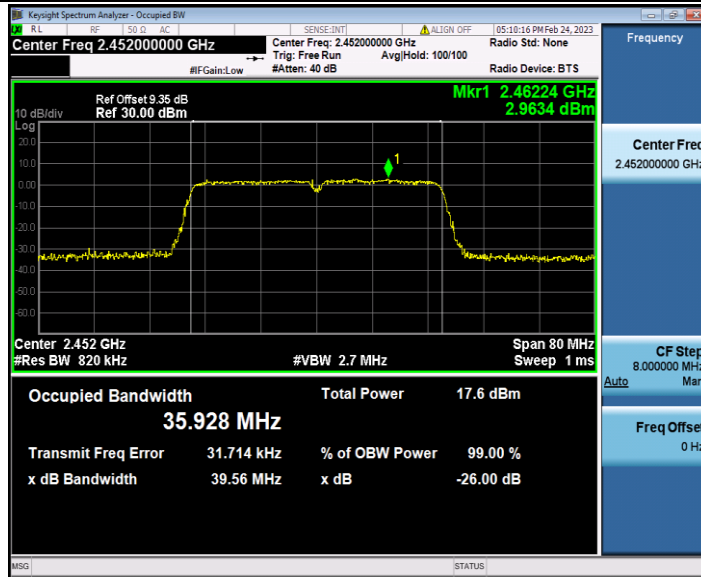
11N40SISO_Ant1_2422



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	19.37	≤30.00	PASS
		2437	19.09	≤30.00	PASS
		2462	19.75	≤30.00	PASS
11G	Ant1	2412	20.25	≤30.00	PASS
		2437	20.95	≤30.00	PASS
		2462	20.36	≤30.00	PASS
11N20SISO	Ant1	2412	20.12	≤30.00	PASS
		2437	20.75	≤30.00	PASS
		2462	20.25	≤30.00	PASS
11N40SISO	Ant1	2422	21.49	≤30.00	PASS
		2437	21.69	≤30.00	PASS
		2452	21.89	≤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	-8.59	≤8.00	PASS
		2437	-9.73	≤8.00	PASS
		2462	-8.86	≤8.00	PASS
11G	Ant1	2412	-13.71	≤8.00	PASS
		2437	-13.02	≤8.00	PASS
		2462	-13.65	≤8.00	PASS
11N20SISO	Ant1	2412	-13.38	≤8.00	PASS
		2437	-13.84	≤8.00	PASS
		2462	-13.71	≤8.00	PASS
11N40SISO	Ant1	2422	-17.25	≤8.00	PASS
		2437	-17.38	≤8.00	PASS
		2452	-17.36	≤8.00	PASS

Test Graphs

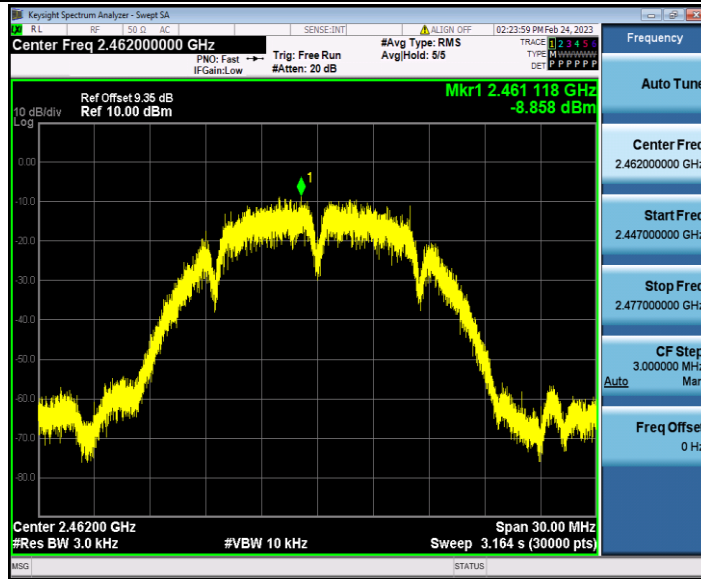
11B_Ant1_2412



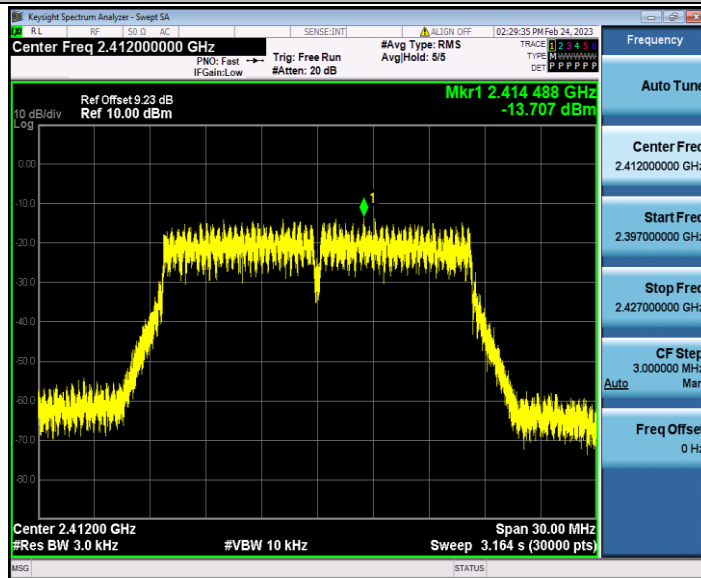
11B_Ant1_2437



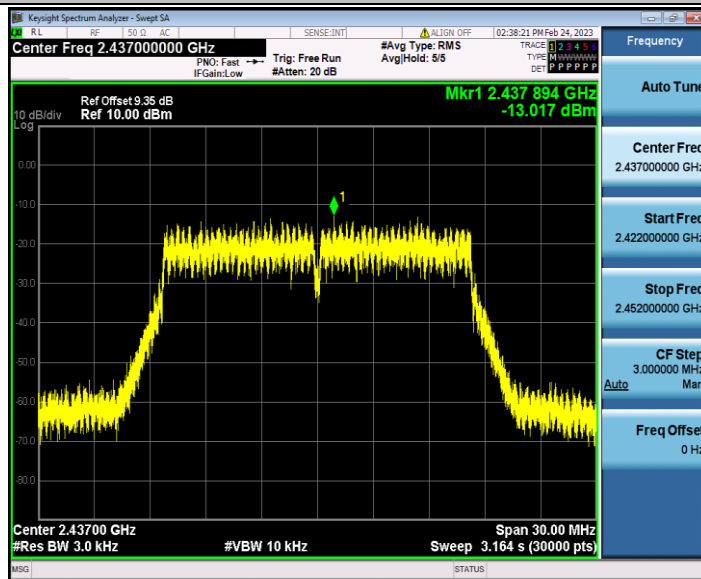
11B_Ant1_2462



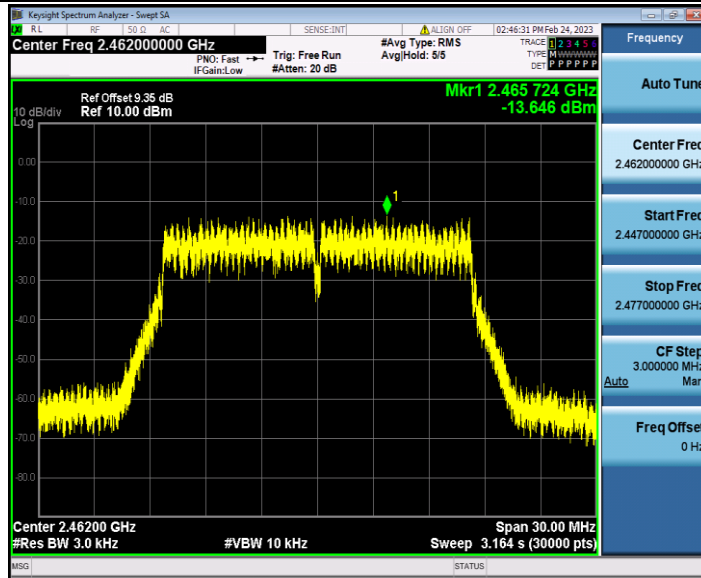
11G_Ant1_2412



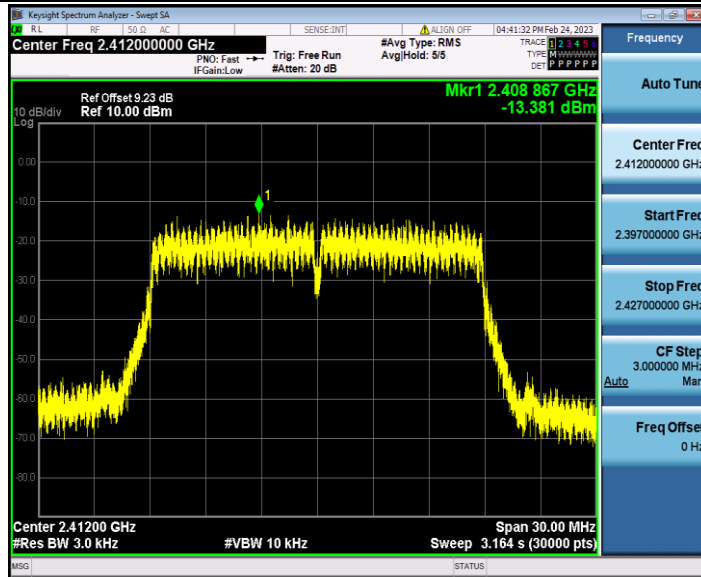
11G_Ant1_2437



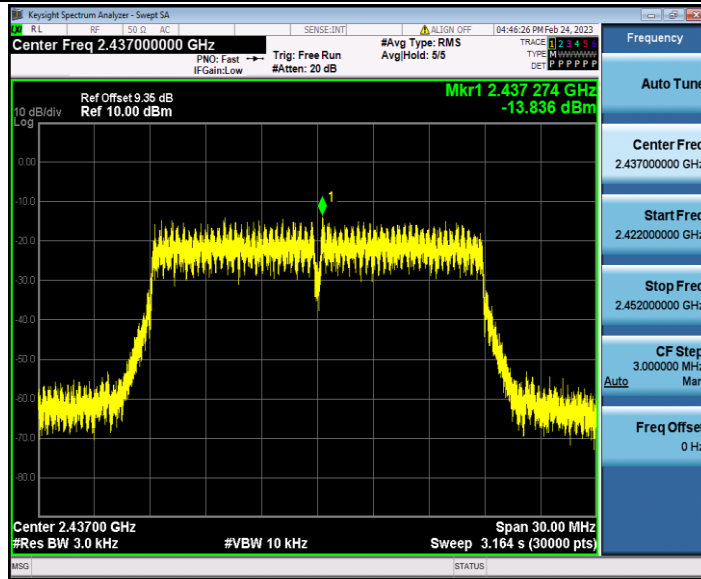
11G_Ant1_2462



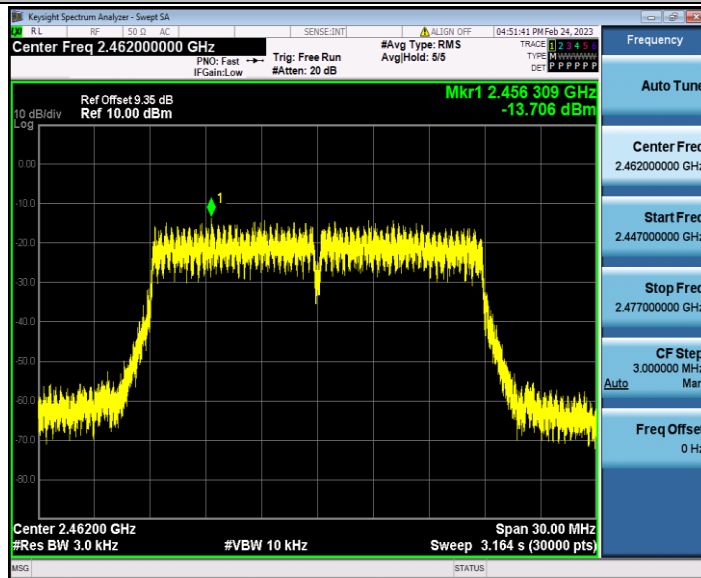
11N20SISO_Ant1_2412



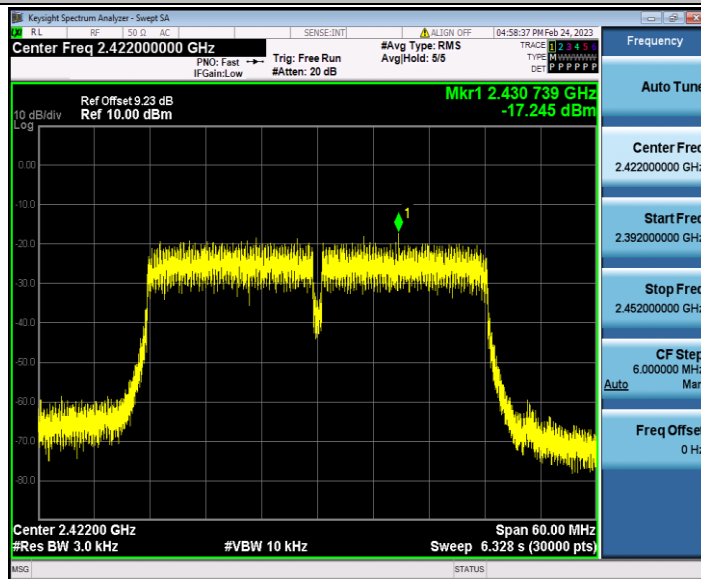
11N20SISO_Ant1_2437



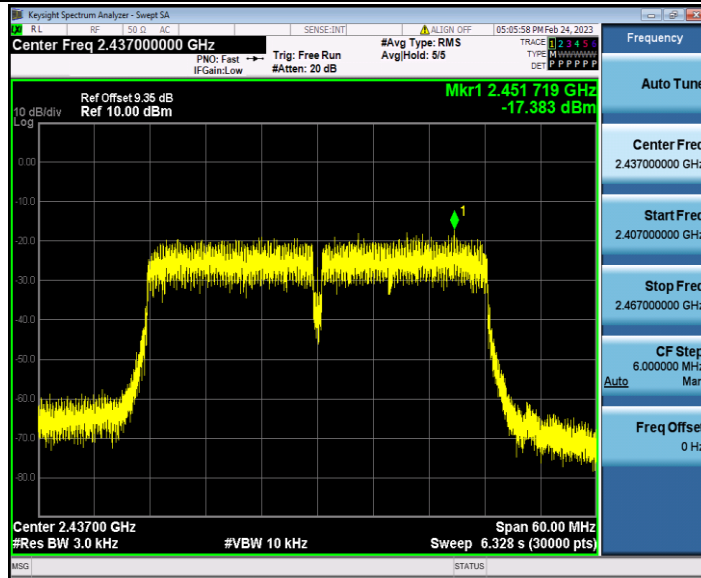
11N20SISO_Ant1_2462



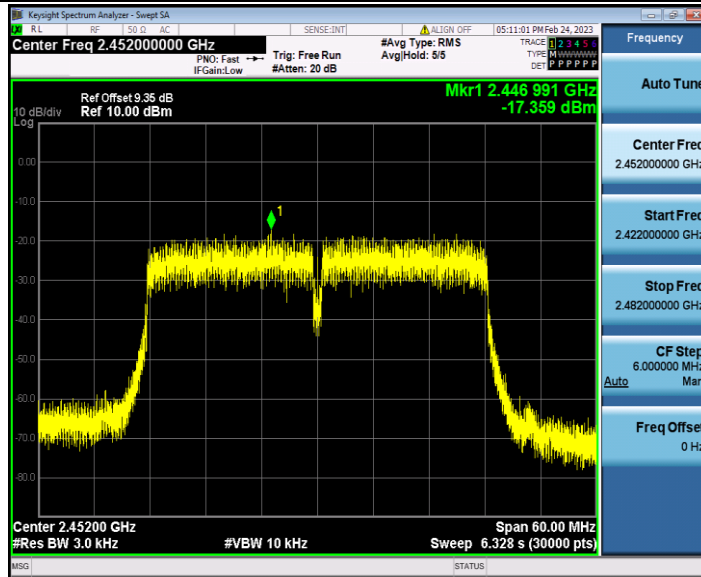
11N40SISO_Ant1_2422



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	5.38	-43.89	≤-14.62	PASS
		High	2462	5.96	-47.08	≤-14.04	PASS
11G	Ant1	Low	2412	0.68	-37.1	≤-19.32	PASS
		High	2462	0.86	-48.1	≤-19.14	PASS
11N20SISO	Ant1	Low	2412	0.88	-38.01	≤-19.12	PASS
		High	2462	1.02	-48.34	≤-18.99	PASS
11N40SISO	Ant1	Low	2422	-3.64	-41.2	≤-23.64	PASS
		High	2452	-3.14	-48.43	≤-23.14	PASS