

Case No. : <u>GTS20230202009-1-34</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>

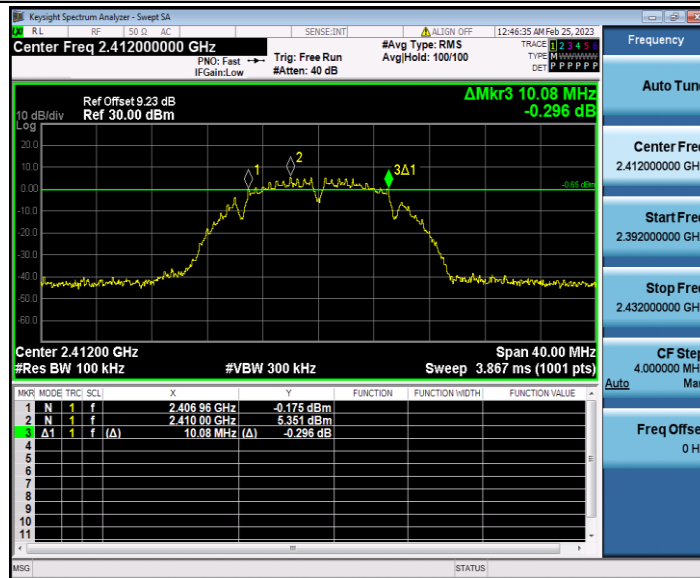
Appendix A.1: DTS Bandwidth

Test Result

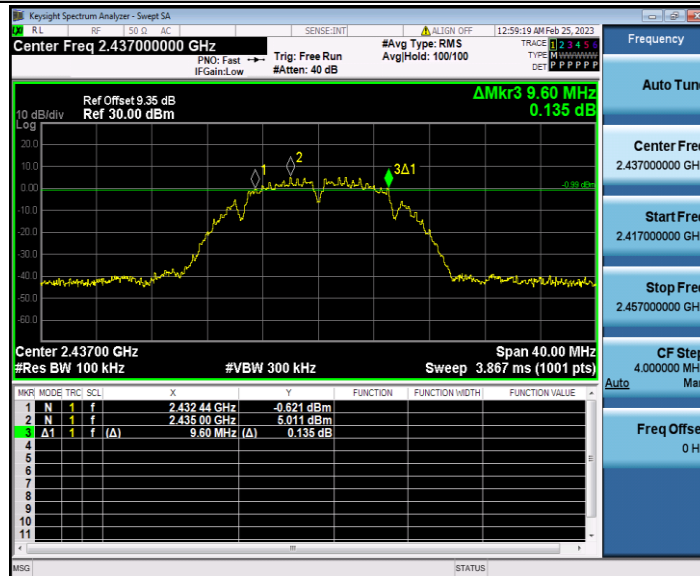
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	9.600	2432.440	2442.040	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.120	2403.360	2420.480	0.5	PASS
		2437	17.040	2428.480	2445.520	0.5	PASS
		2462	16.920	2453.480	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS

Test Graphs

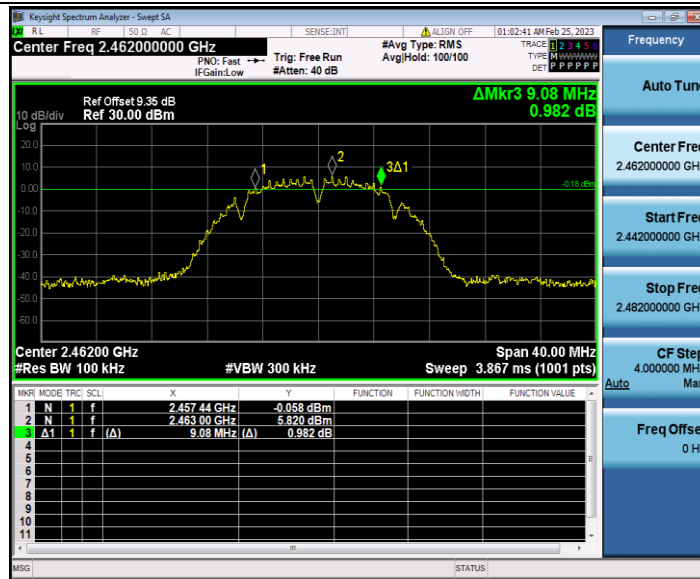
11B_Ant1_2412



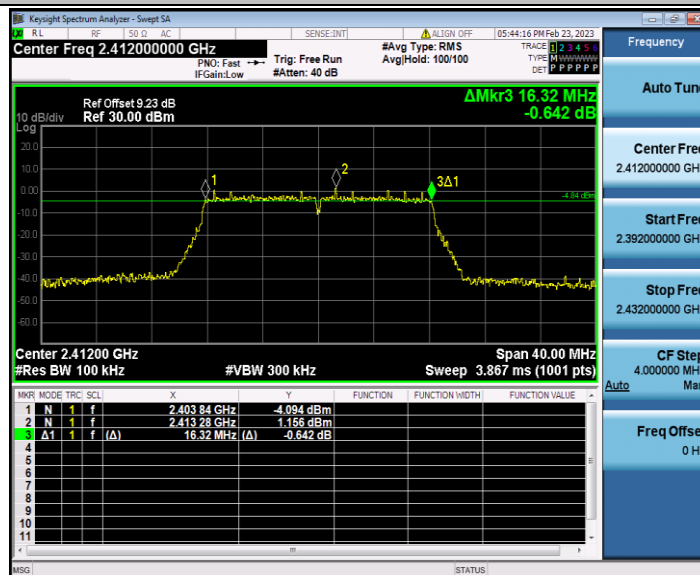
11B_Ant1_2437



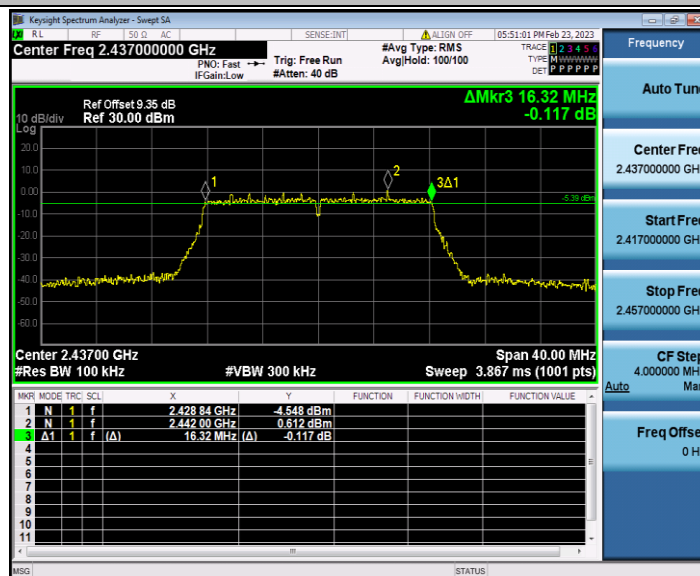
11B_Ant1_2462



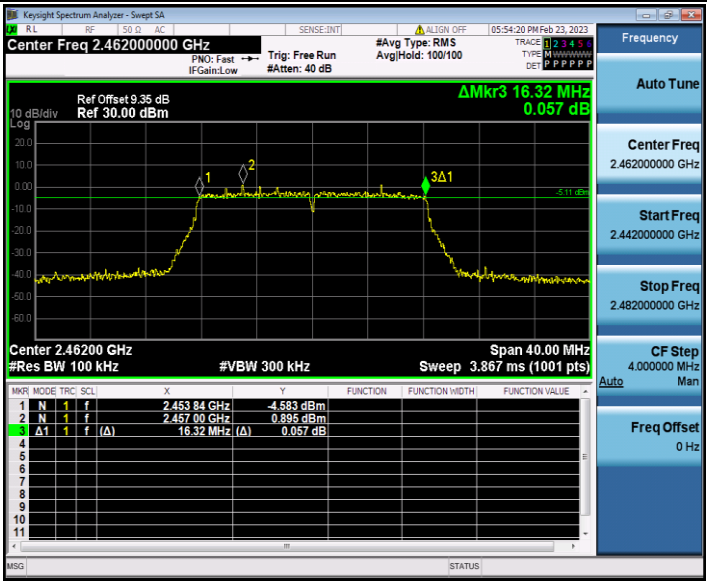
11G_Ant1_2412



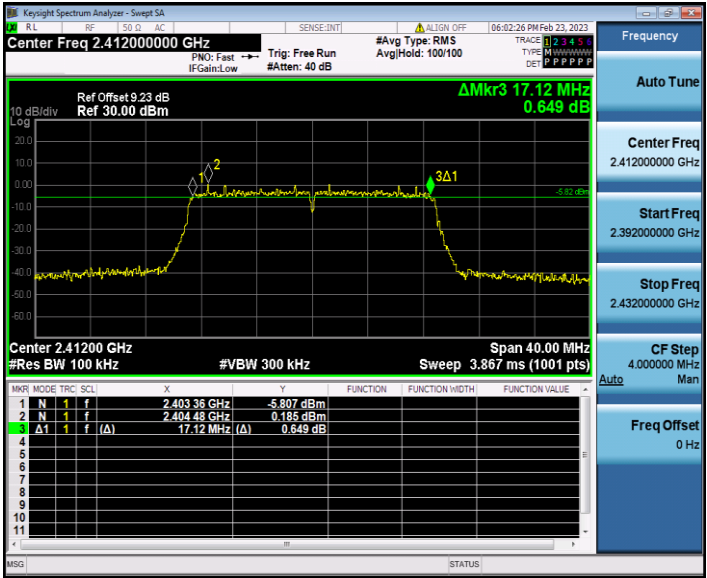
11G_Ant1_2437



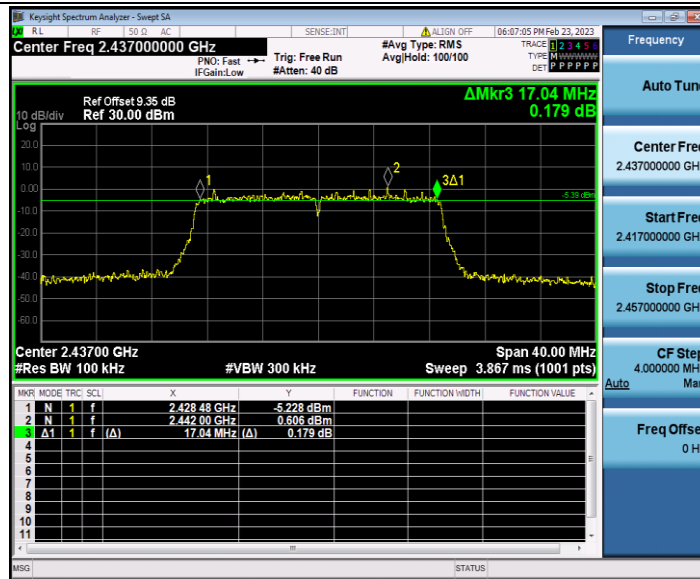
11G_Ant1_2462



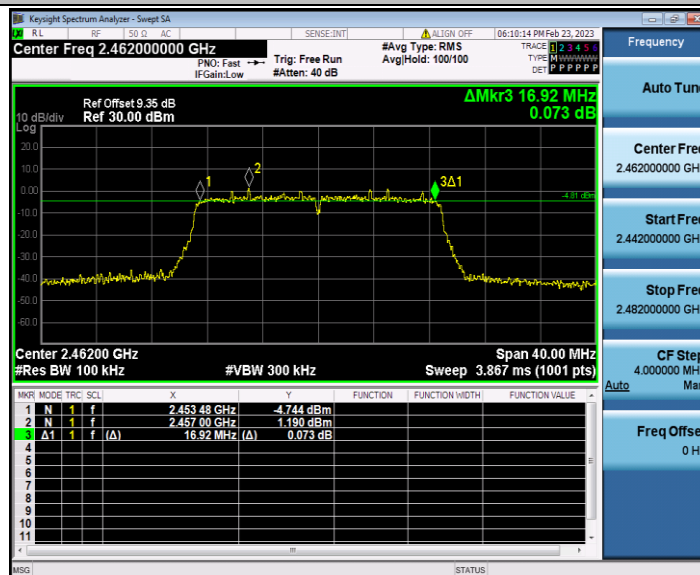
11N20SISO_Ant1_2412



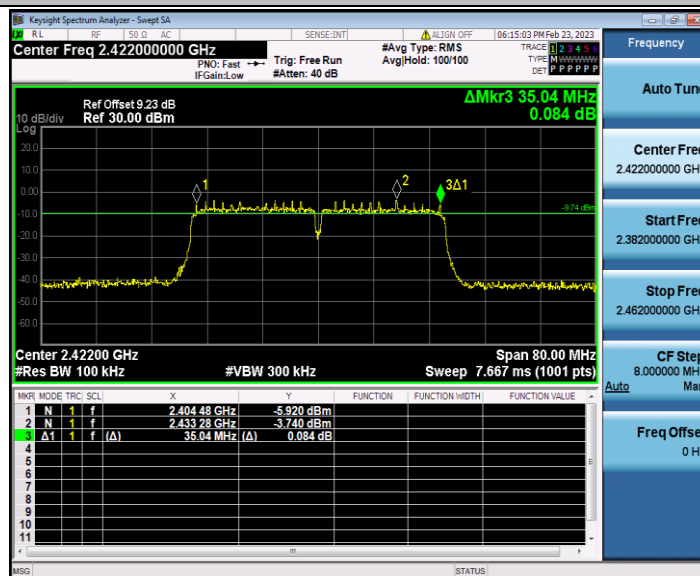
11N20SISO_Ant1_2437



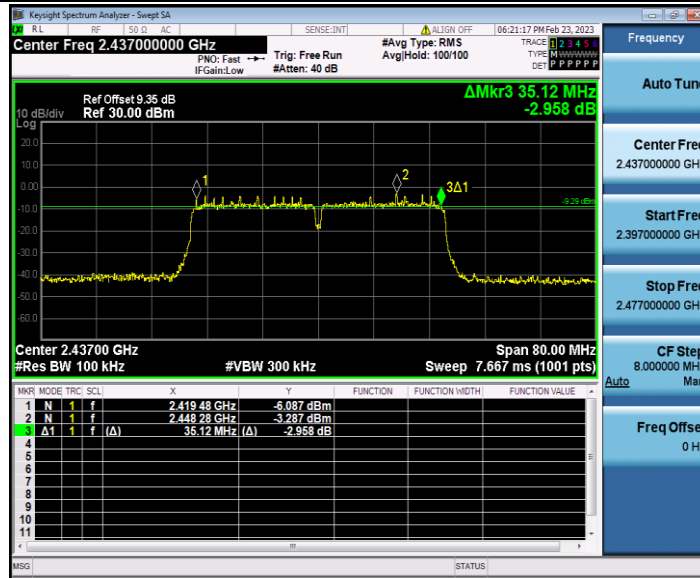
11N20SISO_Ant1_2462



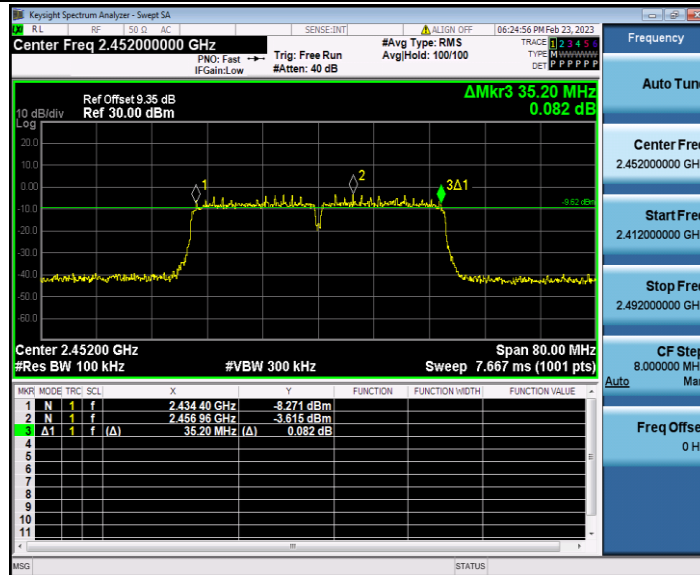
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



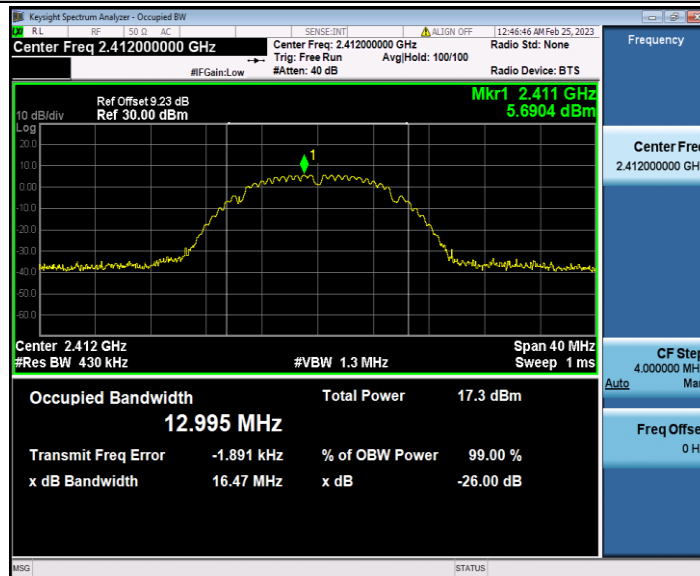
Appendix A.2: Occupied Channel Bandwidth

Test Result

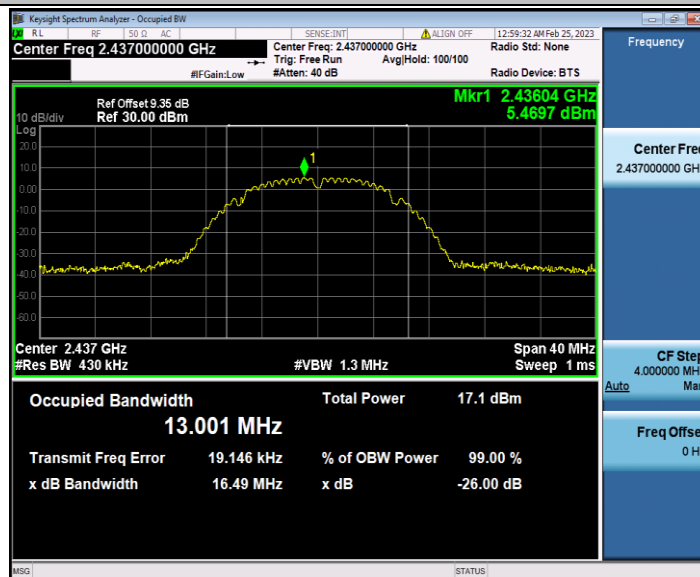
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.995	2405.501	2418.496	---	---
		2437	13.001	2430.519	2443.520	---	---
		2462	12.968	2455.504	2468.472	---	---
11G	Ant1	2412	16.771	2403.585	2420.356	---	---
		2437	16.801	2428.605	2445.406	---	---
		2462	16.724	2453.639	2470.363	---	---
11N20SISO	Ant1	2412	17.645	2403.170	2420.815	---	---
		2437	17.633	2428.209	2445.842	---	---
		2462	17.619	2453.178	2470.797	---	---
11N40SISO	Ant1	2422	35.953	2404.005	2439.958	---	---
		2437	36.022	2418.995	2455.017	---	---
		2452	35.922	2434.049	2469.971	---	---

Test Graphs

11B_Ant1_2412



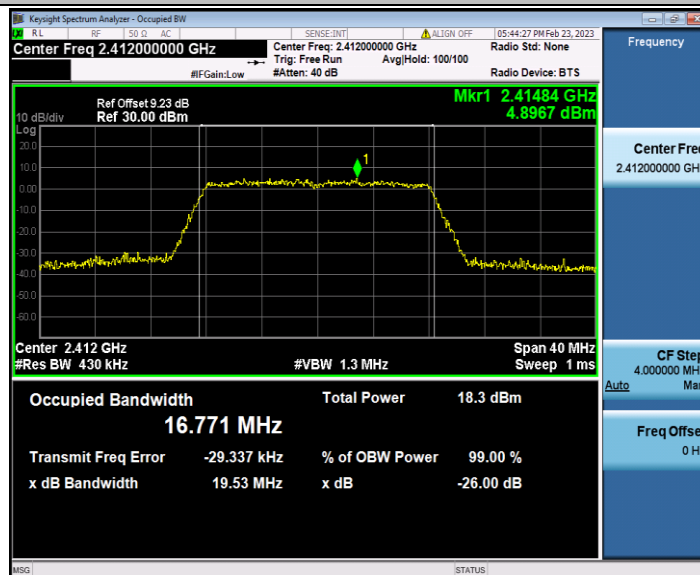
11B_Ant1_2437



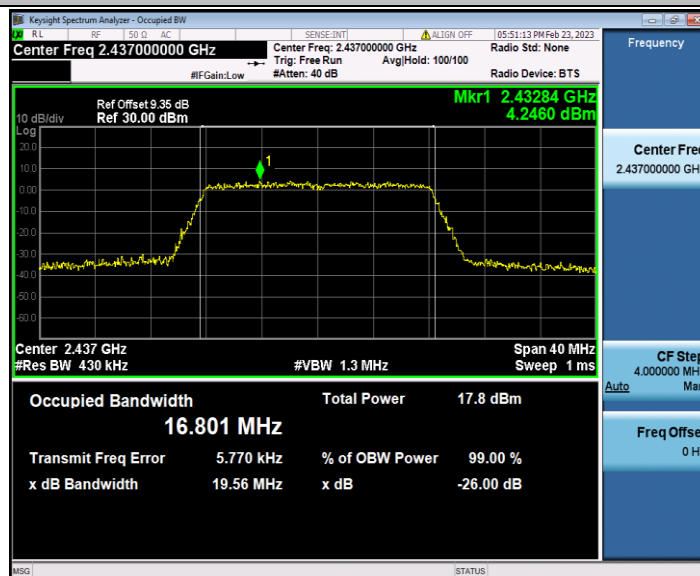
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



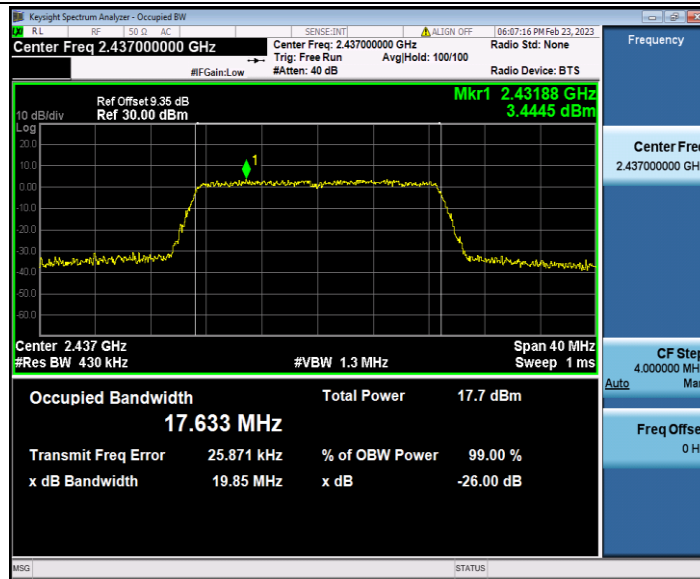
11G_Ant1_2462



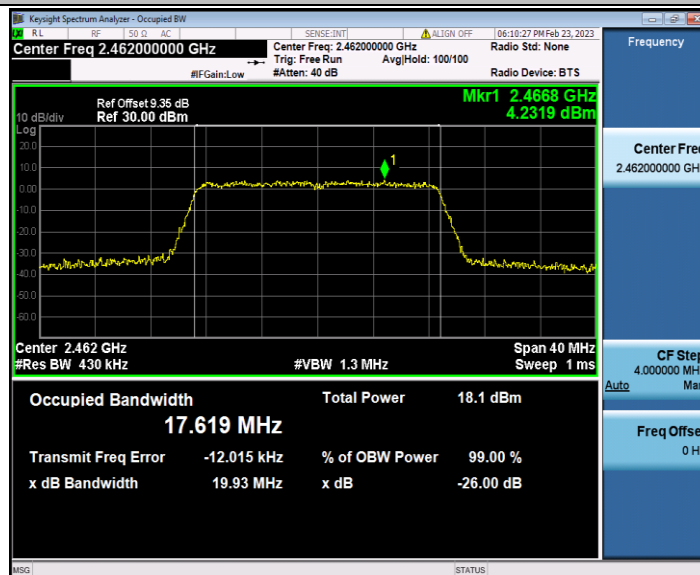
11N20SISO_Ant1_2412



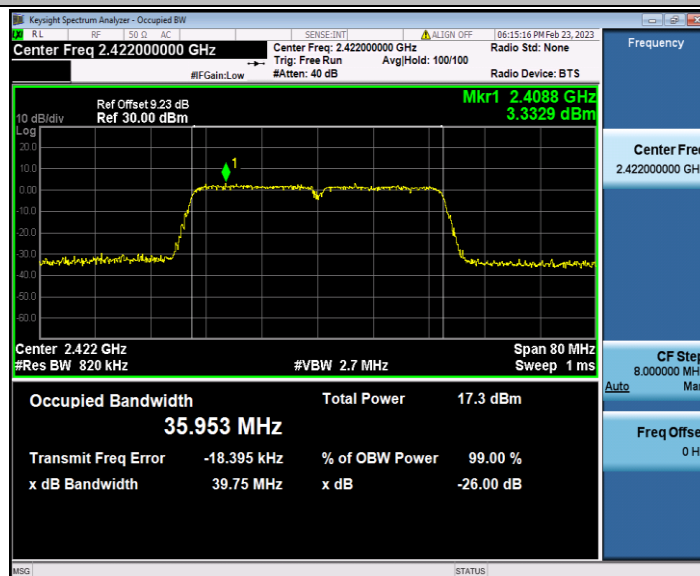
11N20SISO_Ant1_2437



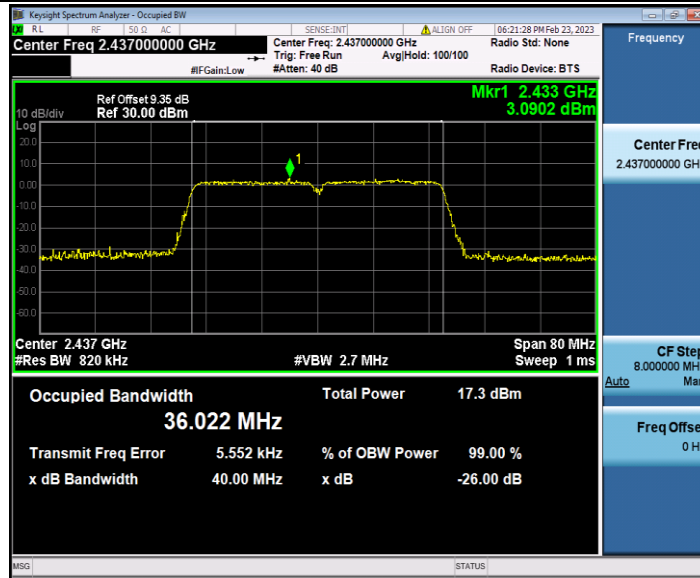
11N20SISO_Ant1_2462



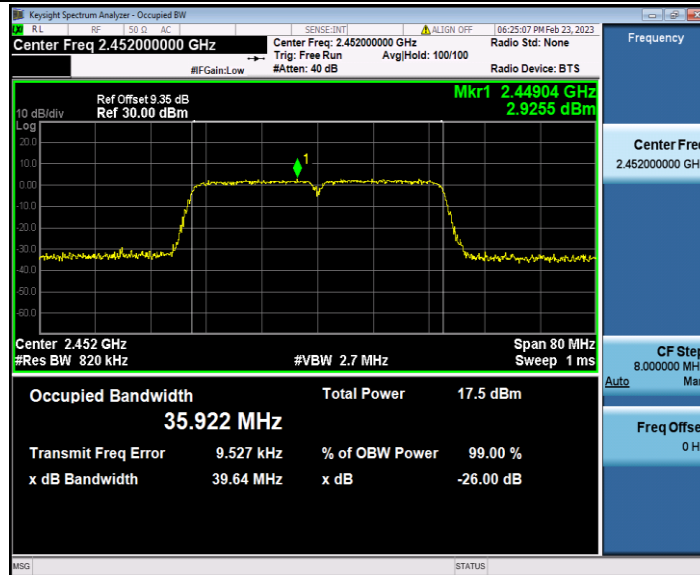
11N40SISO_Ant1_2422



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	19.29	≤30.00	PASS
		2437	19.17	≤30.00	PASS
		2462	19.66	≤30.00	PASS
11G	Ant1	2412	20.38	≤30.00	PASS
		2437	20.02	≤30.00	PASS
		2462	20.38	≤30.00	PASS
11N20SISO	Ant1	2412	21.15	≤30.00	PASS
		2437	21.98	≤30.00	PASS
		2462	21.32	≤30.00	PASS
11N40SISO	Ant1	2422	21.72	≤30.00	PASS
		2437	21.76	≤30.00	PASS
		2452	21.84	≤30.00	PASS

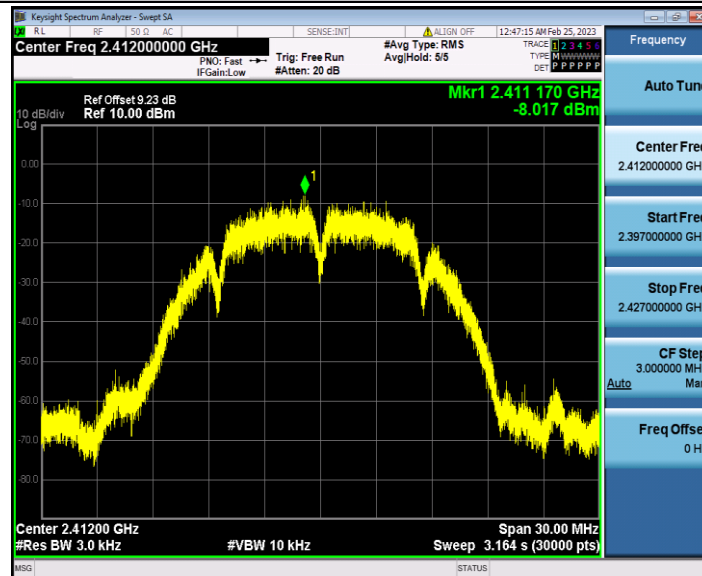
Appendix A.4: Maximum power spectral density

Test Result

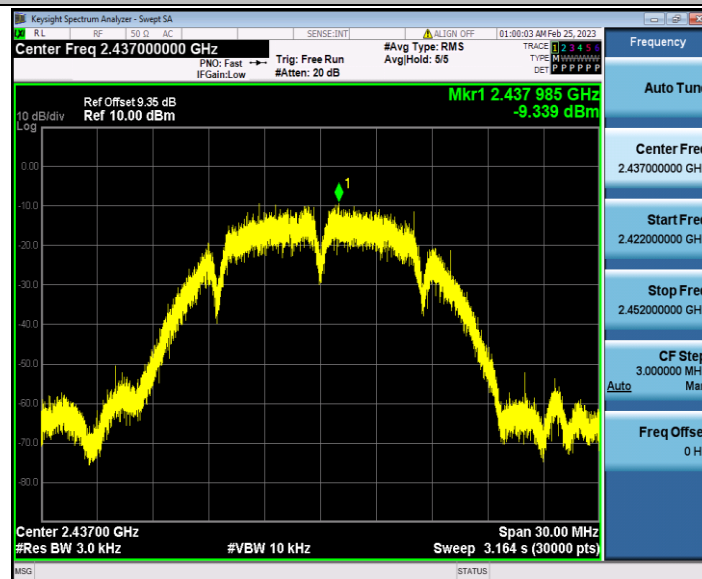
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.02	≤8.00	PASS
		2437	-9.34	≤8.00	PASS
		2462	-5.8	≤8.00	PASS
11G	Ant1	2412	-11.64	≤8.00	PASS
		2437	-12.06	≤8.00	PASS
		2462	-12.93	≤8.00	PASS
11N20SISO	Ant1	2412	-13.55	≤8.00	PASS
		2437	-12.96	≤8.00	PASS
		2462	-13.26	≤8.00	PASS
11N40SISO	Ant1	2422	-17.71	≤8.00	PASS
		2437	-17.64	≤8.00	PASS
		2452	-17.74	≤8.00	PASS

Test Graphs

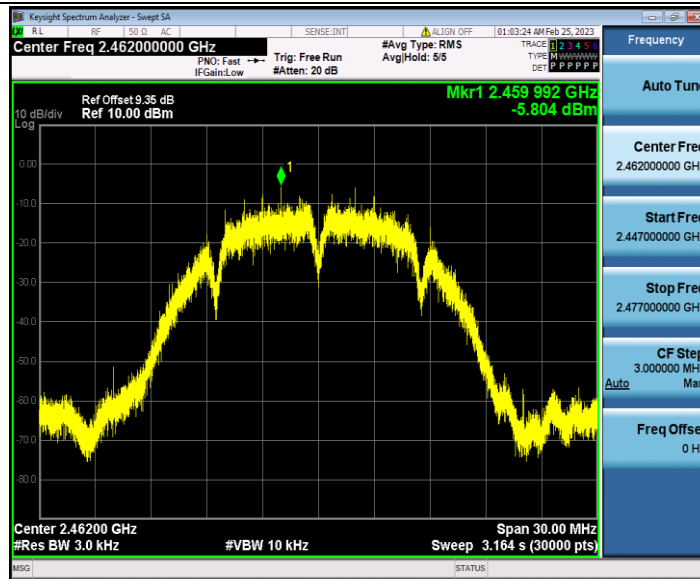
11B_Ant1_2412



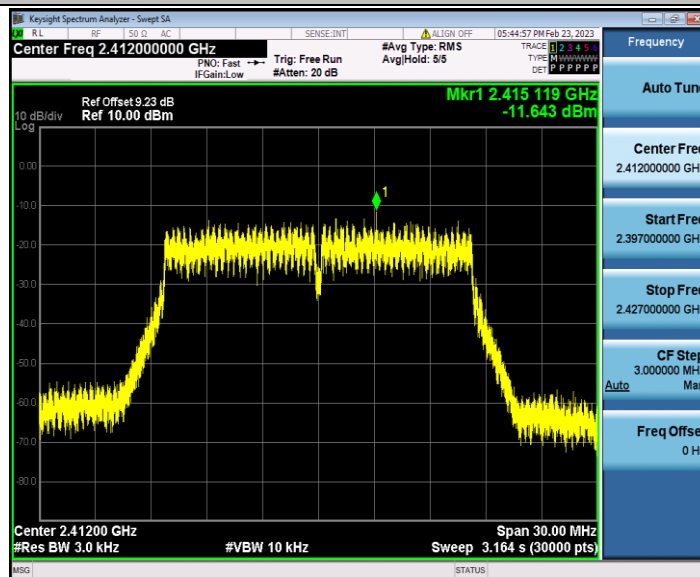
11B_Ant1_2437



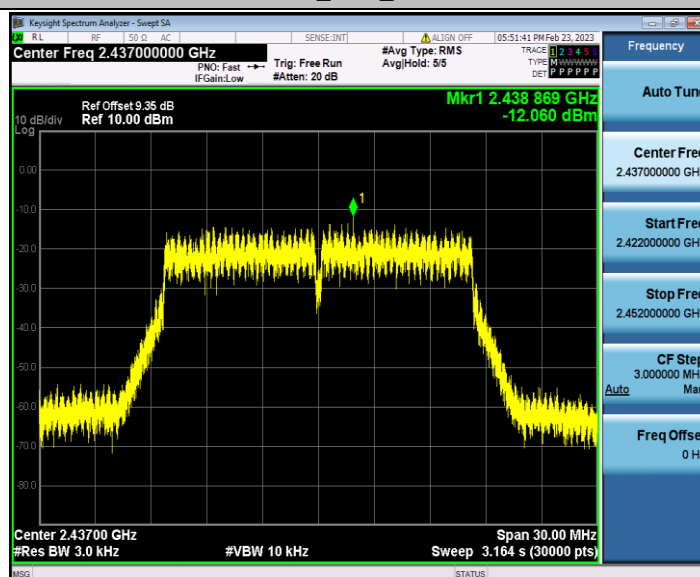
11B_Ant1_2462



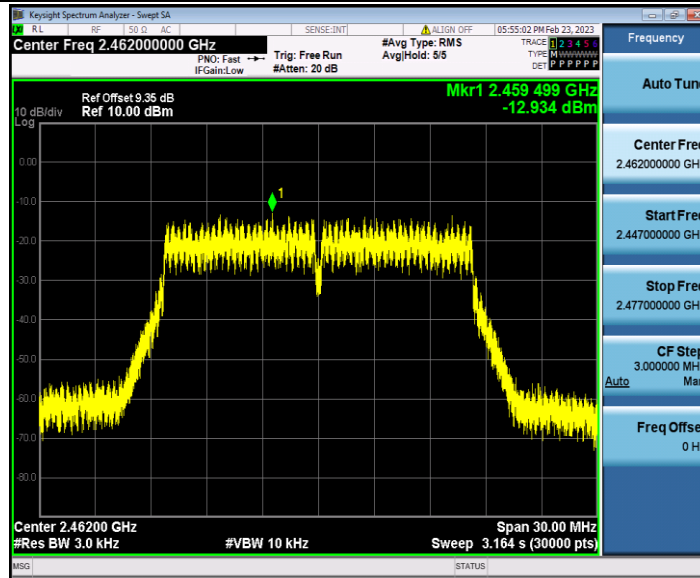
11G_Ant1_2412



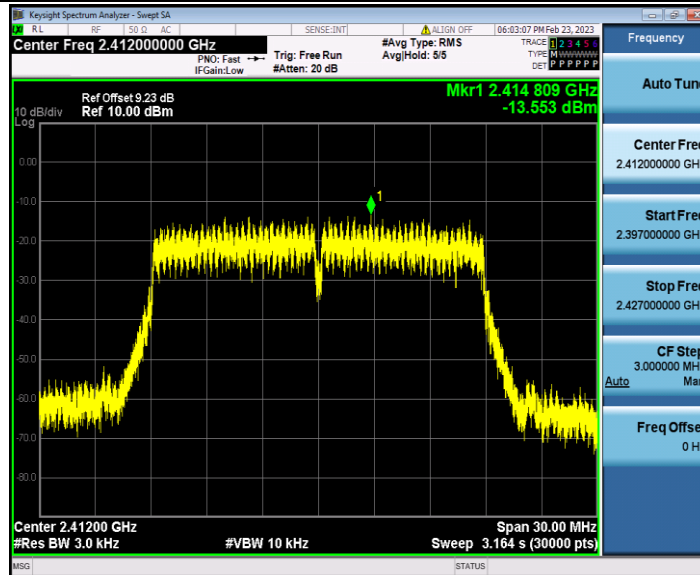
11G_Ant1_2437



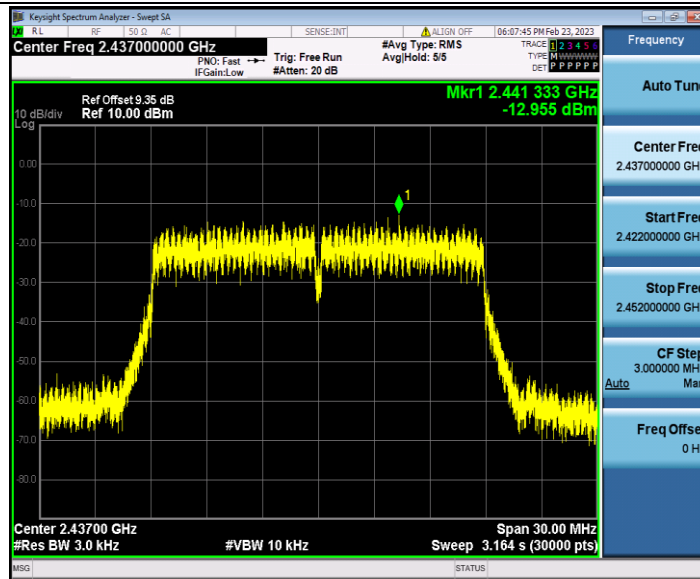
11G_Ant1_2462



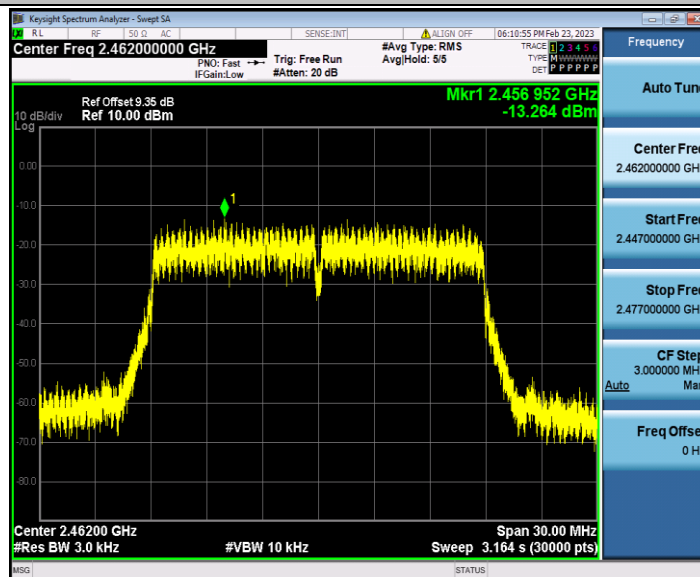
11N20SISO_Ant1_2412



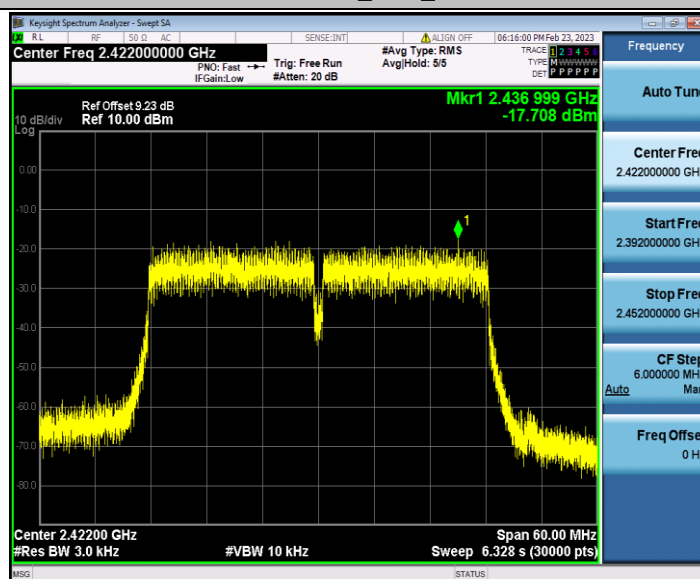
11N20SISO_Ant1_2437



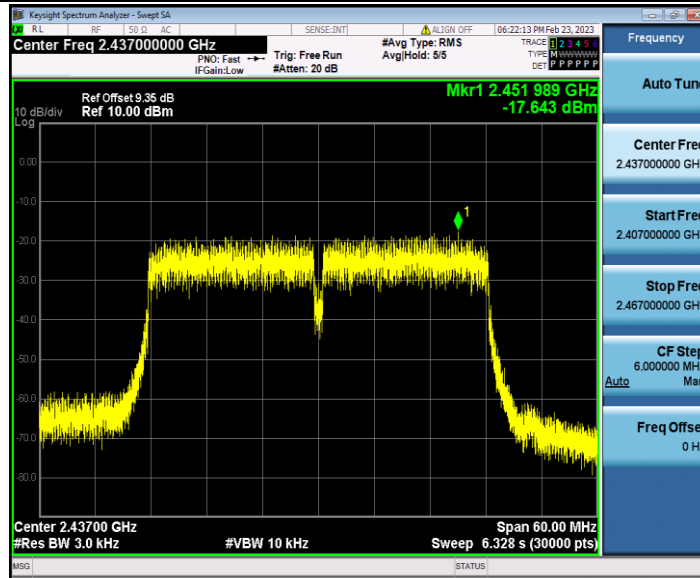
11N20SISO_Ant1_2462



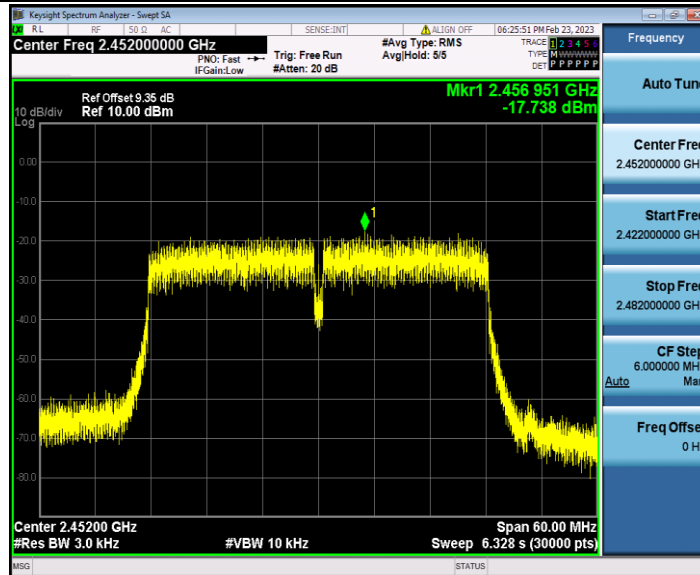
11N40SISO_Ant1_2422



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	5.36	-43.2	≤-14.65	PASS
		High	2462	5.95	-46.34	≤-14.05	PASS
11G	Ant1	Low	2412	1.01	-38.75	≤-18.99	PASS
		High	2462	0.91	-47.4	≤-19.09	PASS
11N20SISO	Ant1	Low	2412	0.77	-38.63	≤-19.23	PASS
		High	2462	1.19	-46.76	≤-18.81	PASS
11N40SISO	Ant1	Low	2422	-3.76	-40.92	≤-23.76	PASS
		High	2452	-3.30	-47.21	≤-23.3	PASS