

Case No. : <u>GTS20221219003-1-7</u>
Ambient Condition: <u>25 °C, 45 %RH, Atmos100.1Kpa,</u>
Test Date: <u>2023.1.5</u> Test Engineer: <u>Jenny zeng</u>

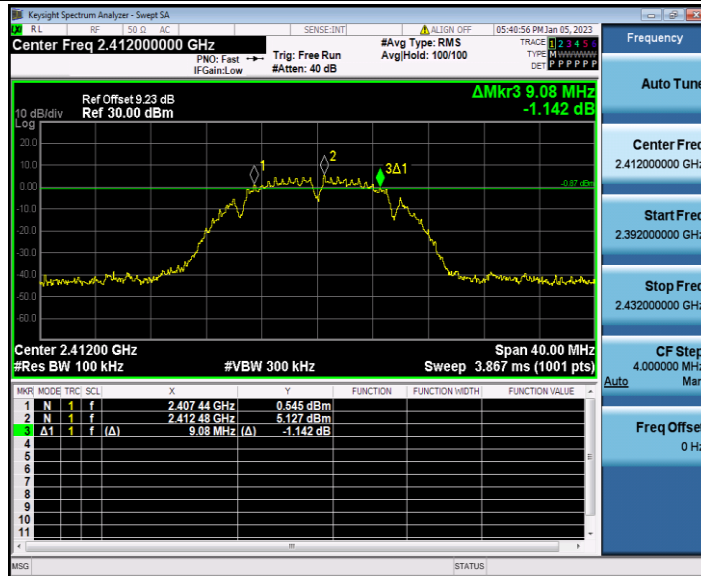
Appendix A.1: DTS Bandwidth

Test Result

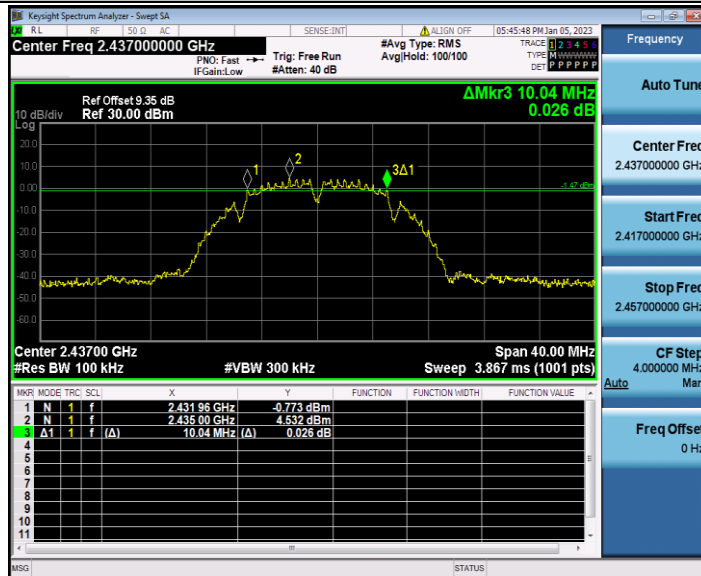
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	0.5	PASS
		2437	10.040	2431.960	2442.000	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.800	2470.120	0.5	PASS
11N20SISO	Ant1	2412	16.880	2403.640	2420.520	0.5	PASS
		2437	17.040	2428.480	2445.520	0.5	PASS
		2462	17.080	2453.440	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.520	2404.240	2439.760	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs

11B_Ant1_2412



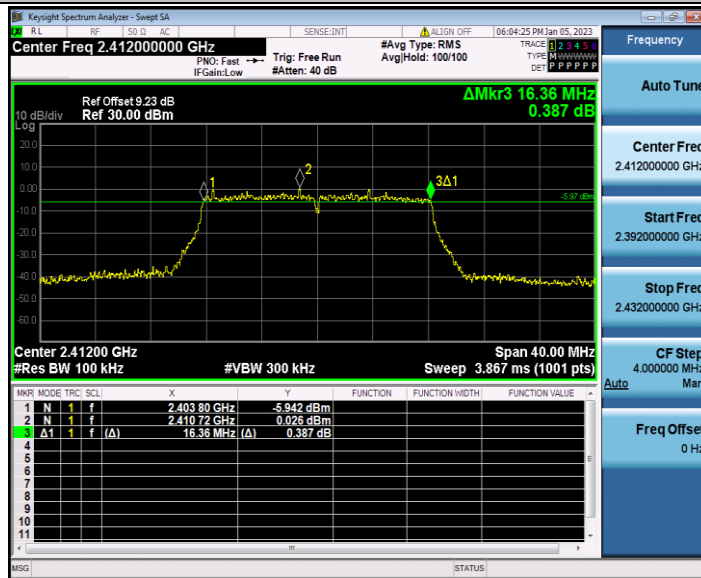
11B_Ant1_2437



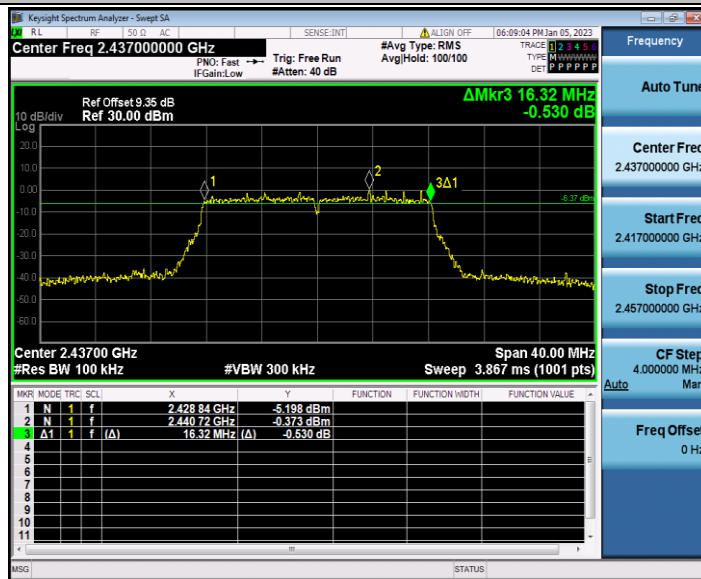
11B_Ant1_2462



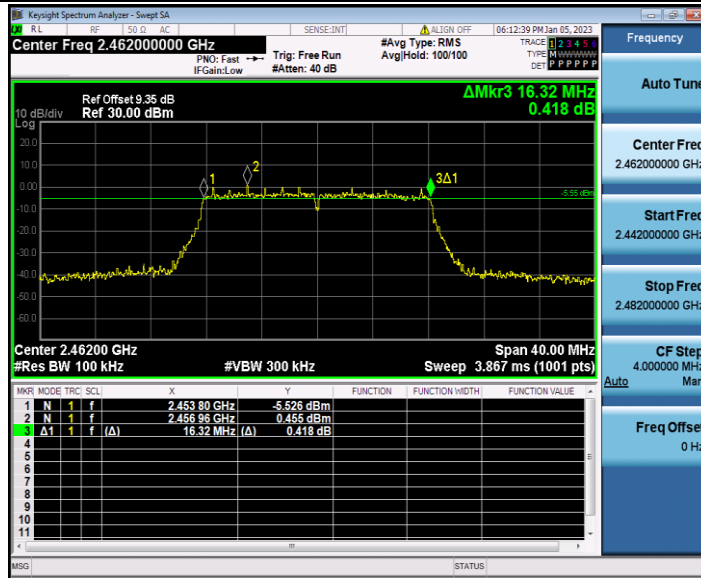
11G_Ant1_2412



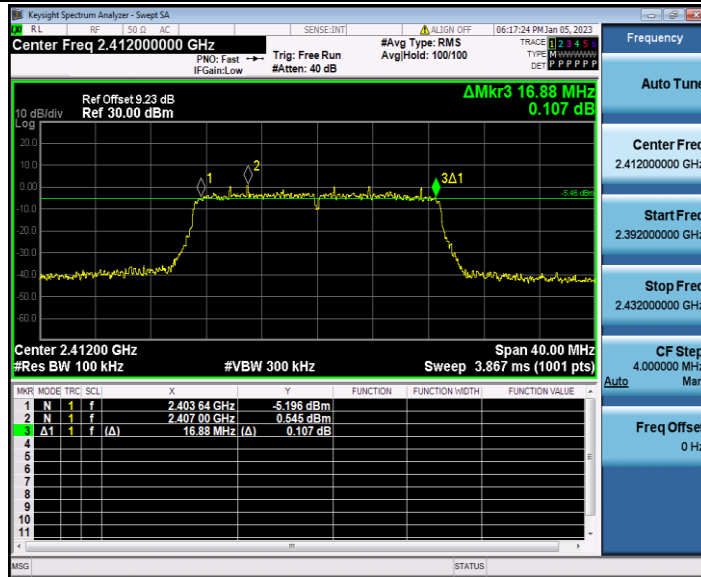
11G_Ant1_2437



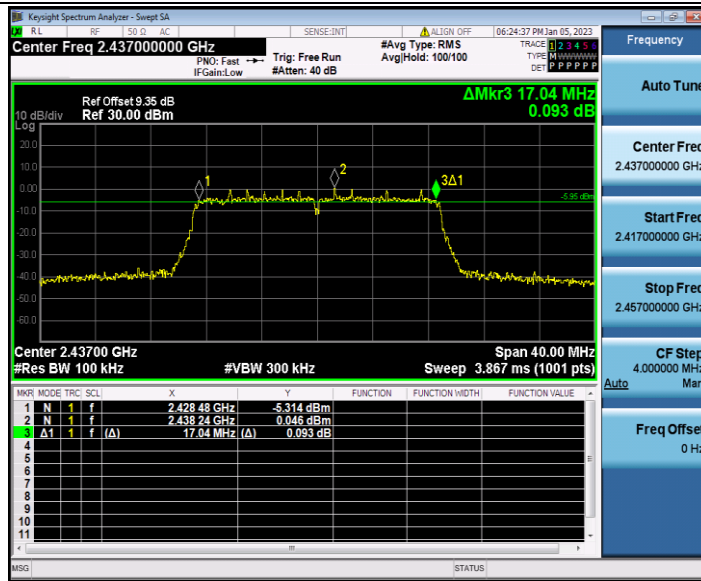
11G_Ant1_2462



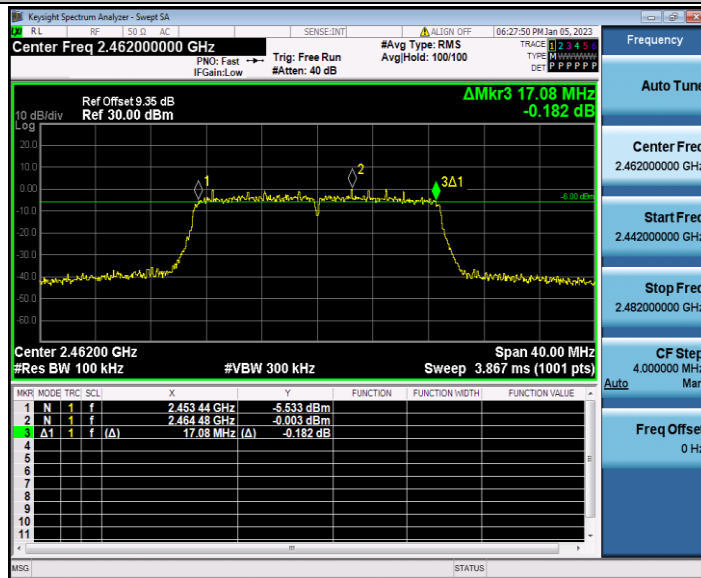
11N20SISO_Ant1_2412



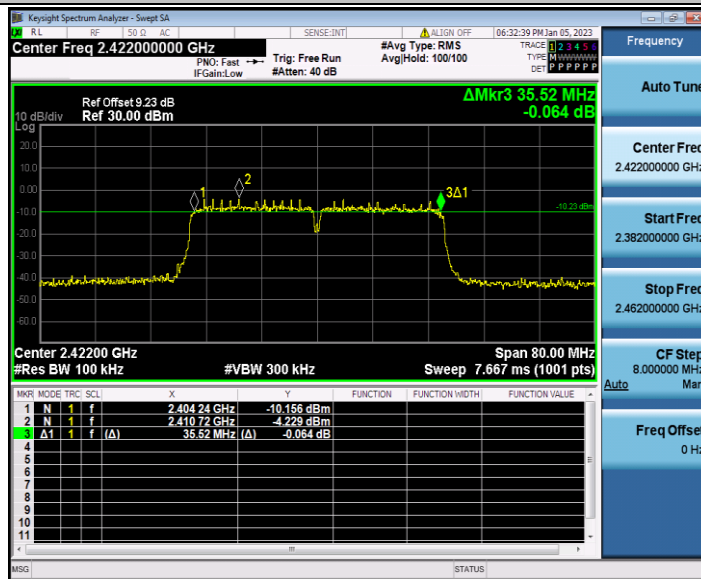
11N20SISO_Ant1_2437



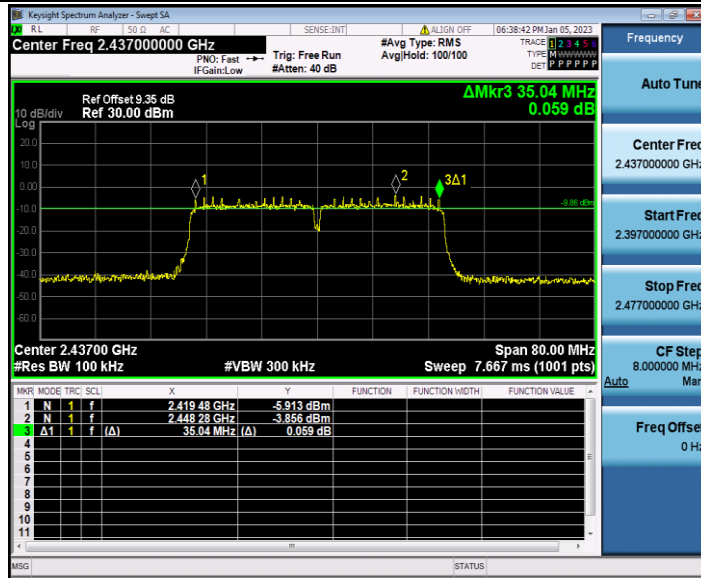
11N20SISO_Ant1_2462



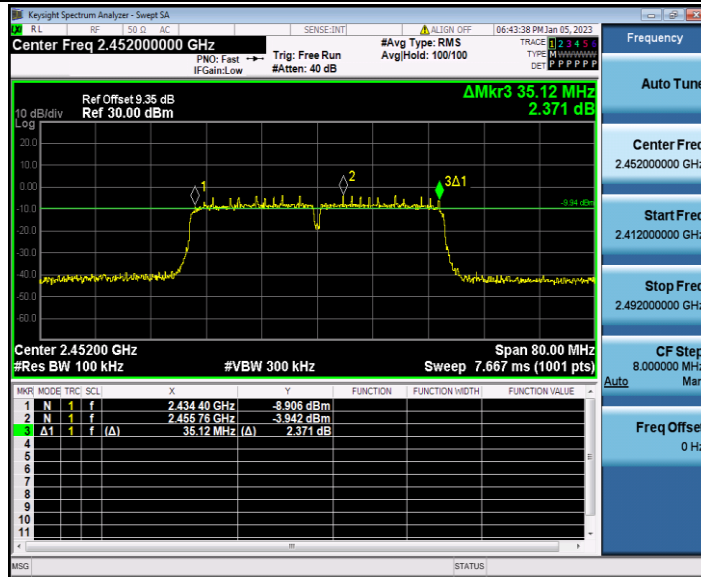
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



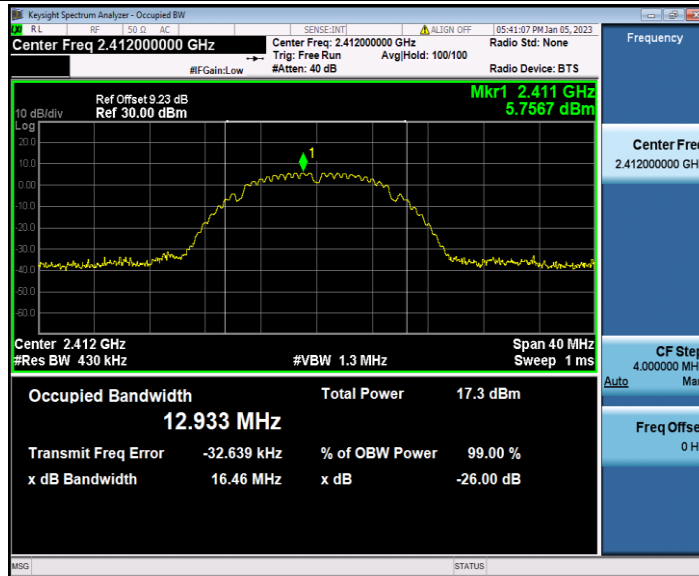
Appendix A.2: Occupied Channel Bandwidth

Test Result

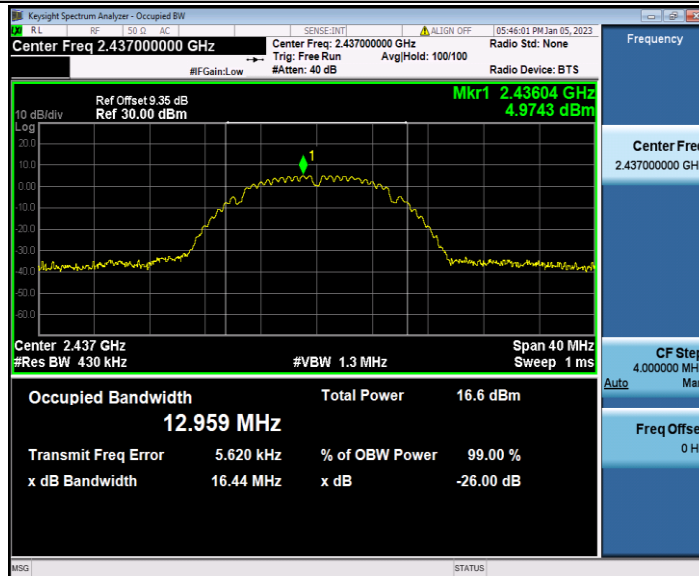
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.933	2405.501	2418.434	---	---
		2437	12.959	2430.526	2443.485	---	---
		2462	12.925	2455.496	2468.421	---	---
11G	Ant1	2412	16.855	2403.524	2420.379	---	---
		2437	16.806	2428.627	2445.433	---	---
		2462	16.735	2453.587	2470.322	---	---
11N20SISO	Ant1	2412	17.614	2403.179	2420.793	---	---
		2437	17.639	2428.176	2445.815	---	---
		2462	17.591	2453.182	2470.773	---	---
11N40SISO	Ant1	2422	35.984	2403.950	2439.934	---	---
		2437	36.021	2419.002	2455.023	---	---
		2452	35.899	2434.051	2469.950	---	---

Test Graphs

11B_Ant1_2412



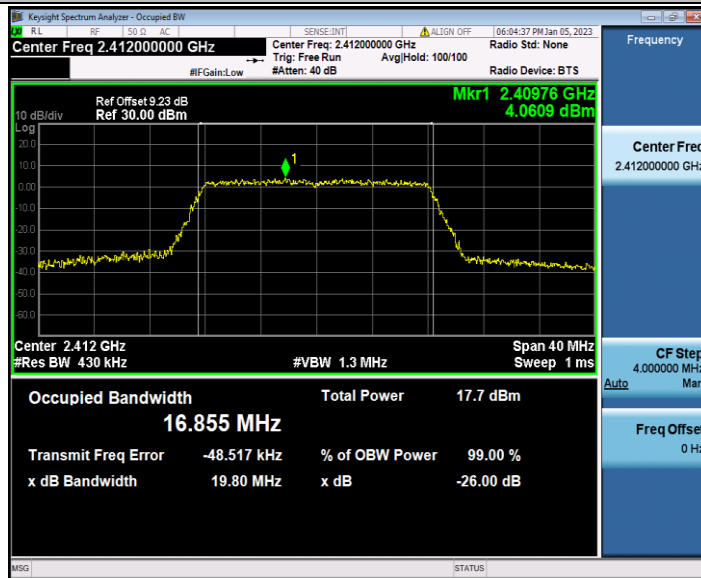
11B_Ant1_2437



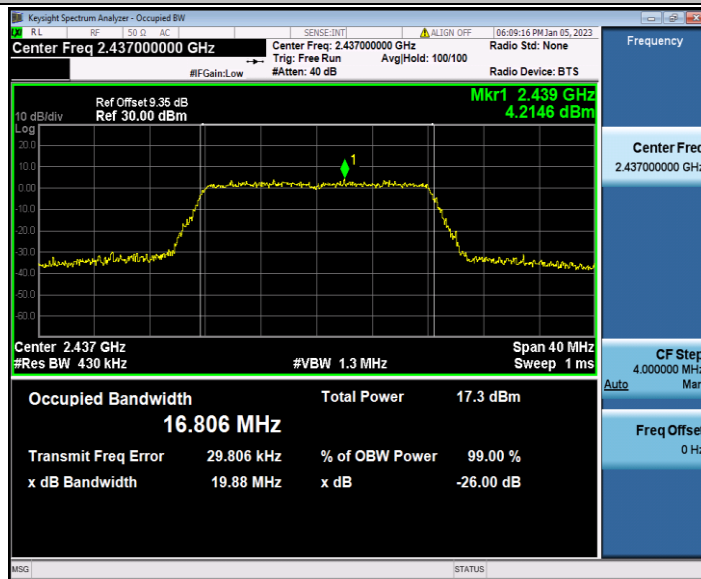
11B_Ant1_2462



11G_Ant1_2412



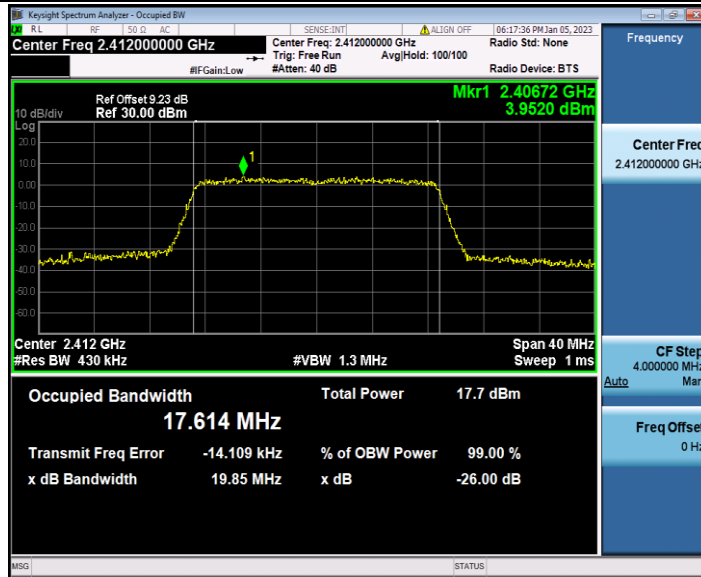
11G_Ant1_2437



11G_Ant1_2462



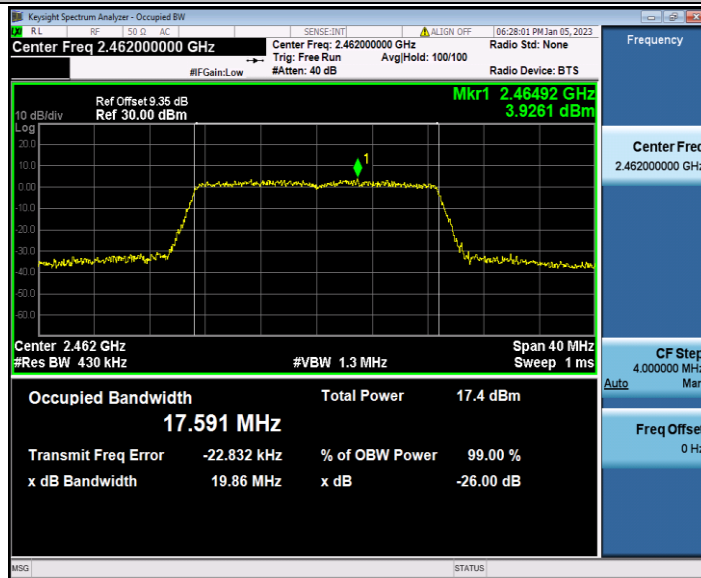
11N20SISO_Ant1_2412



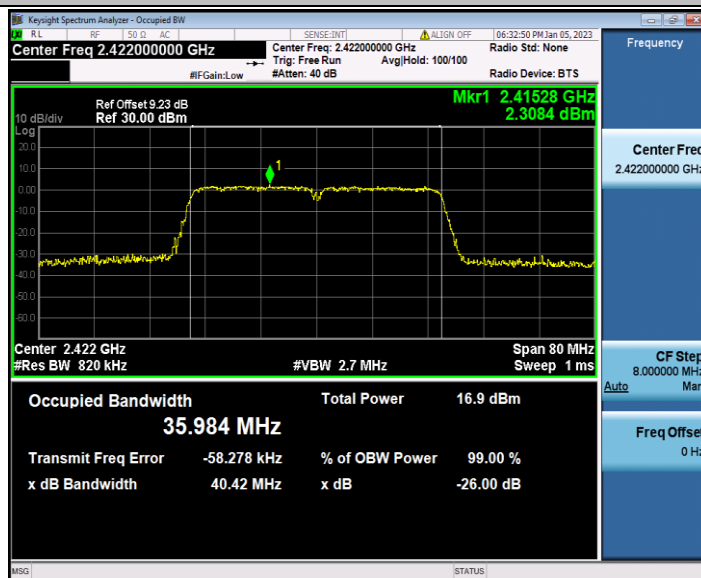
11N20SISO_Ant1_2437



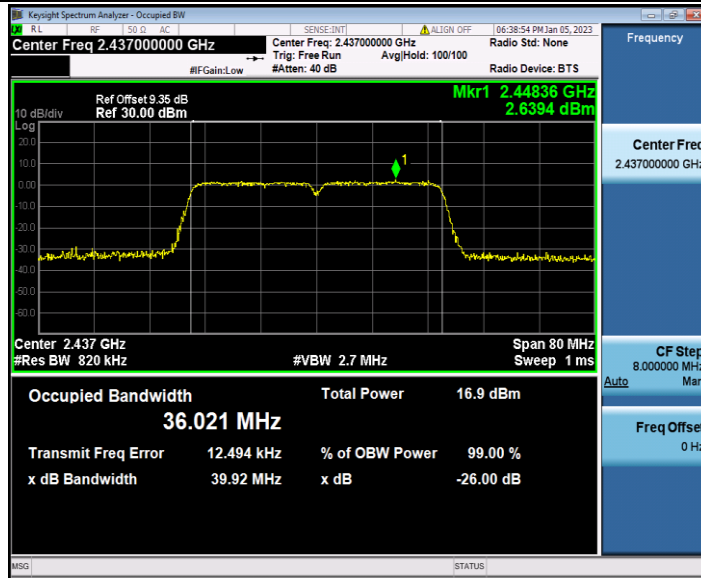
11N20SISO_Ant1_2462



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	20.31	≤30.00	PASS
		2437	20.65	≤30.00	PASS
		2462	20.01	≤30.00	PASS
11G	Ant1	2412	21.97	≤30.00	PASS
		2437	21.49	≤30.00	PASS
		2462	21.89	≤30.00	PASS
11N20SISO	Ant1	2412	21.97	≤30.00	PASS
		2437	21.59	≤30.00	PASS
		2462	21.56	≤30.00	PASS
11N40SISO	Ant1	2422	21.31	≤30.00	PASS
		2437	21.21	≤30.00	PASS
		2452	21.24	≤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	-9.12	≤8.00	PASS
		2437	-6.74	≤8.00	PASS
		2462	-9.38	≤8.00	PASS
11G	Ant1	2412	-13.46	≤8.00	PASS
		2437	-14.36	≤8.00	PASS
		2462	-13.5	≤8.00	PASS
11N20SISO	Ant1	2412	-12.17	≤8.00	PASS
		2437	-13.74	≤8.00	PASS
		2462	-13.31	≤8.00	PASS
11N40SISO	Ant1	2422	-17.96	≤8.00	PASS
		2437	-18.73	≤8.00	PASS
		2452	-18.04	≤8.00	PASS

Test Graphs

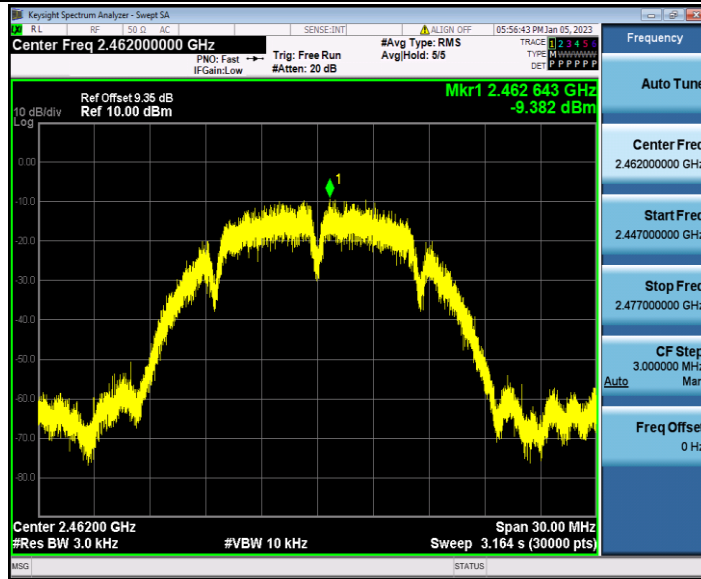
11B_Ant1_2412



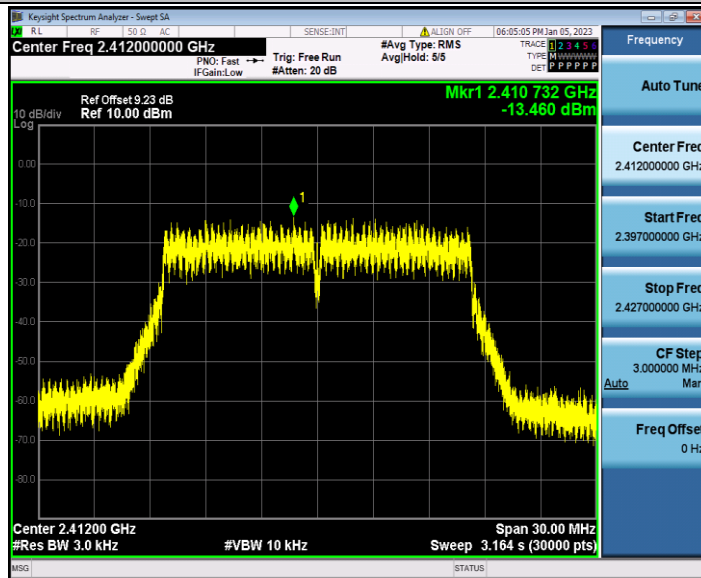
11B_Ant1_2437



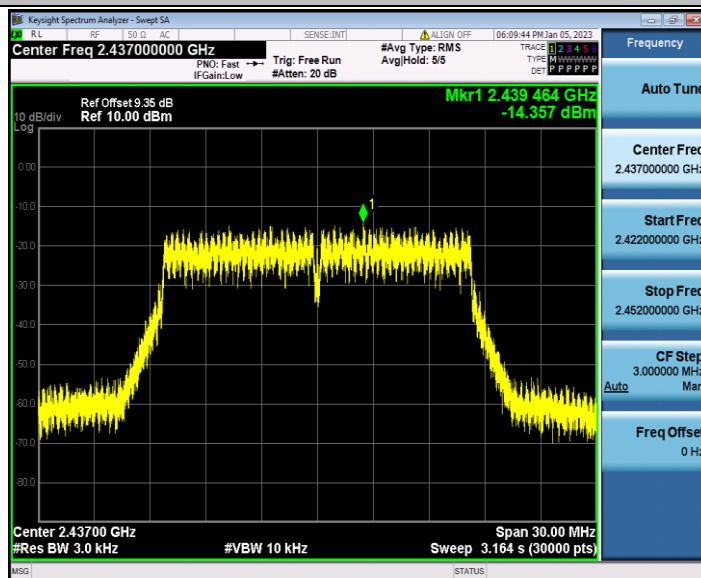
11B_Ant1_2462



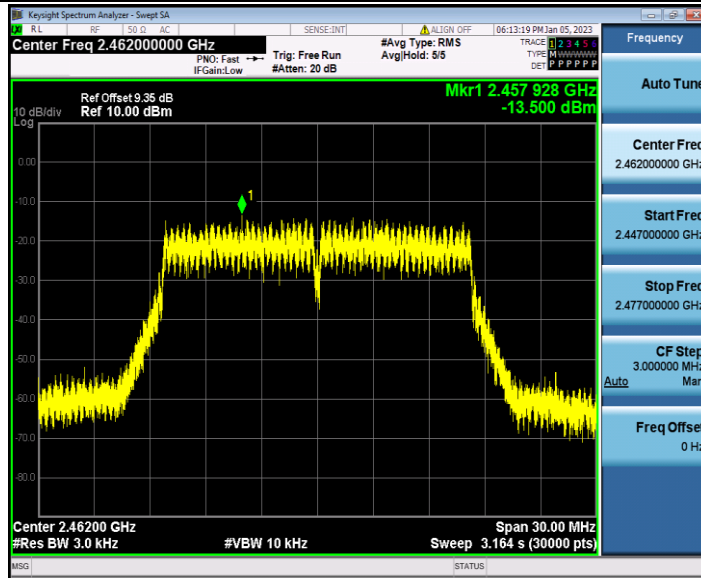
11G_Ant1_2412



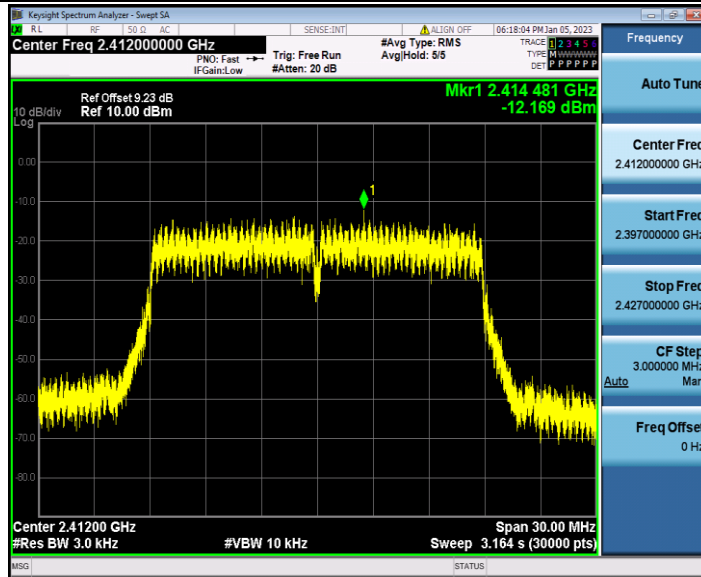
11G_Ant1_2437



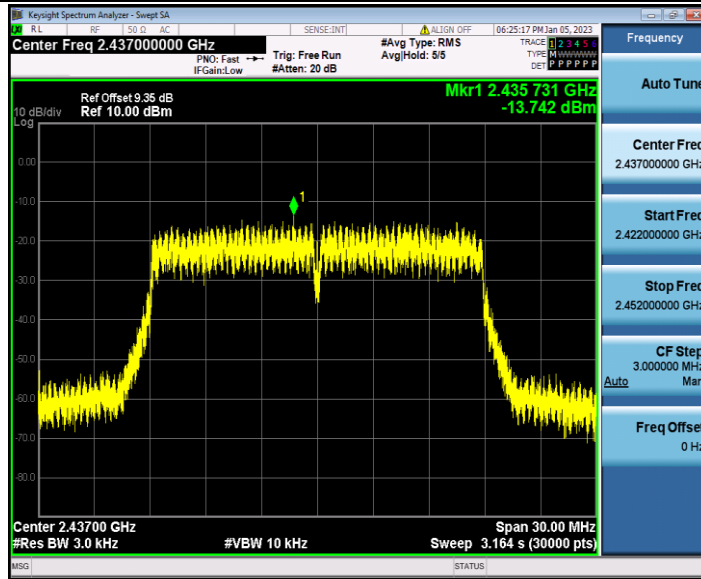
11G_Ant1_2462



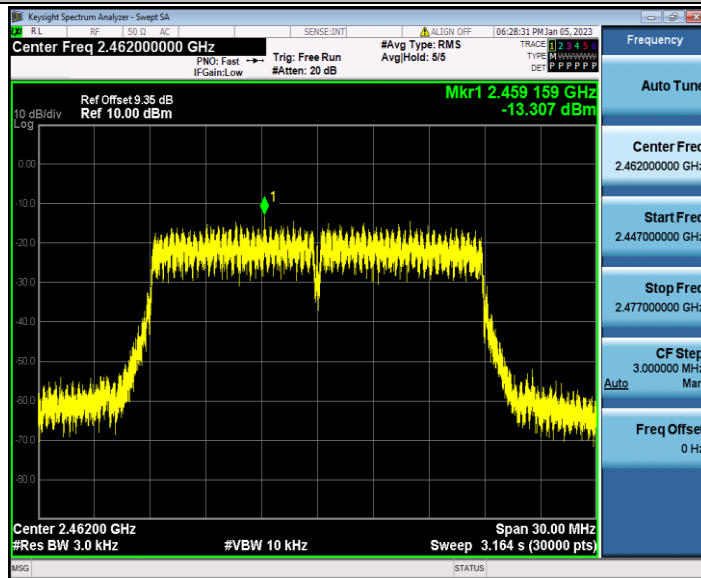
11N20SISO_Ant1_2412



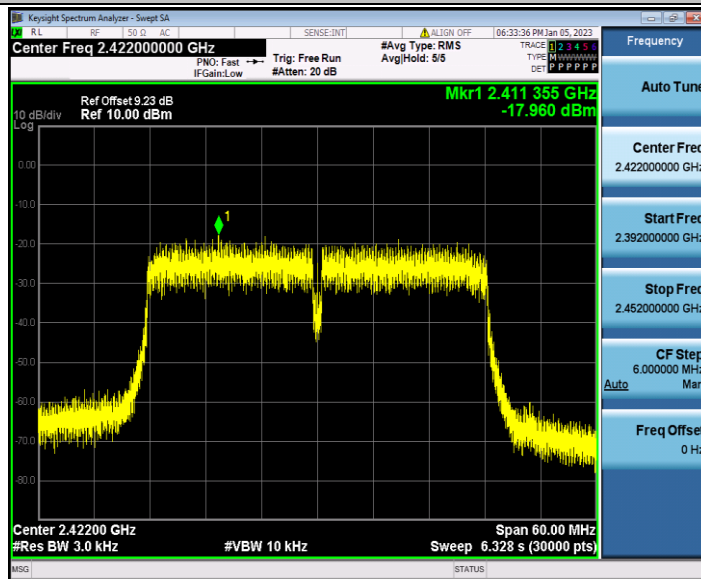
11N20SISO_Ant1_2437



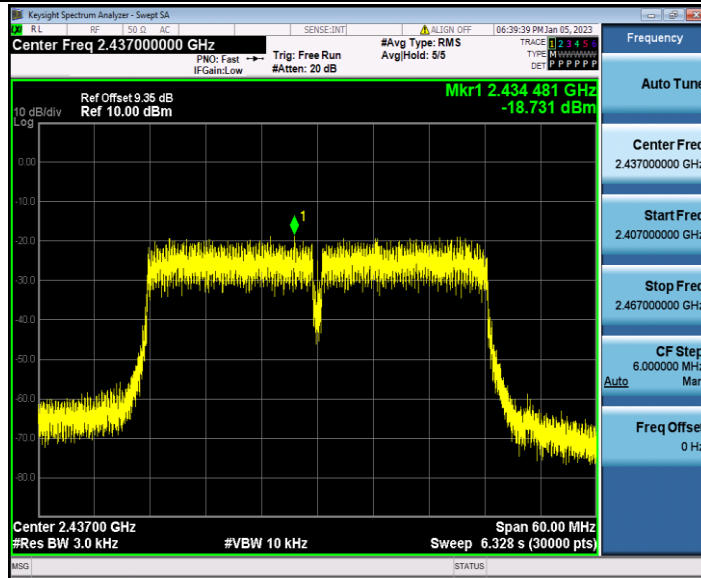
11N20SISO_Ant1_2462



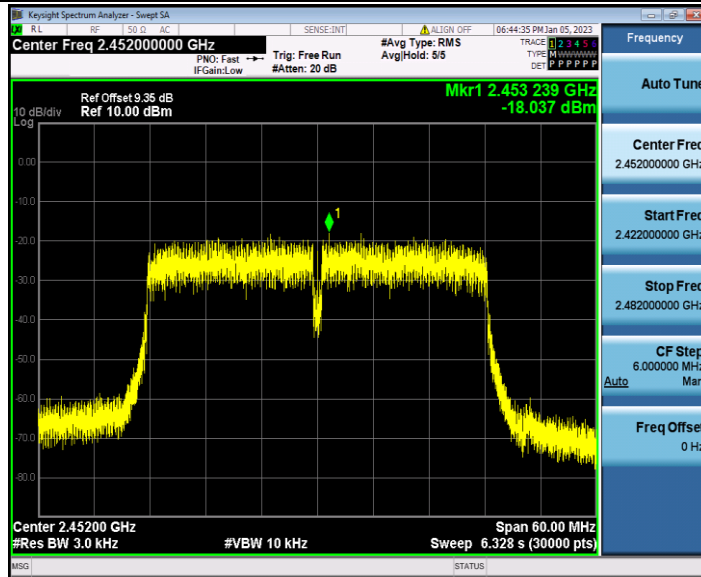
11N40SISO_Ant1_2422



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	5.02	-42.61	≤-14.98	PASS
		High	2462	5.32	-48.17	≤-14.68	PASS
11G	Ant1	Low	2412	0.43	-37.95	≤-19.57	PASS
		High	2462	0.61	-47.83	≤-19.39	PASS
11N20SISO	Ant1	Low	2412	0.58	-36.79	≤-19.42	PASS
		High	2462	0.21	-46.29	≤-19.79	PASS
11N40SISO	Ant1	Low	2422	-4.00	-40.28	≤-24	PASS
		High	2452	-3.94	-48.08	≤-23.94	PASS