Appendix Test Data

Report No.:	1812C50196312501	Test Sample No.:	1-2-2
Start Test Date:	2025-05-13	Finish Test Date:	2025-06-04
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	20.3℃	Relative Humidity:	50%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

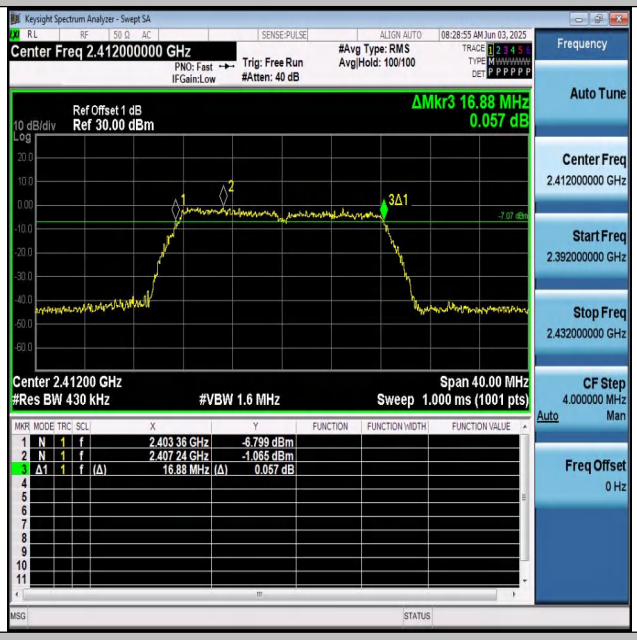
Test Mode	Antenna	Frequency [MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.320	2406.880	2417.200	0.5	PASS
11B	Ant1	2437	10.320	2431.880	2442.200	0.5	PASS
11B	Ant1	2462	10.360	2456.840	2467.200	0.5	PASS
11G	Ant1	2412	13.400	2405.000	2418.400	0.5	PASS
11G	Ant1	2437	14.040	2429.920	2443.960	0.5	PASS
11G	Ant1	2462	14.720	2454.960	2469.680	0.5	PASS
11N20SISO	Ant1	2412	15.960	2403.920	2419.880	0.5	PASS
11N20SISO	Ant1	2437	15.720	2429.080	2444.800	0.5	PASS
11N20SISO	Ant1	2462	15.680	2454.200	2469.880	0.5	PASS

Test Graphs

11B-Ant1-2412-PASS

11B-Ant1-2437-PASS

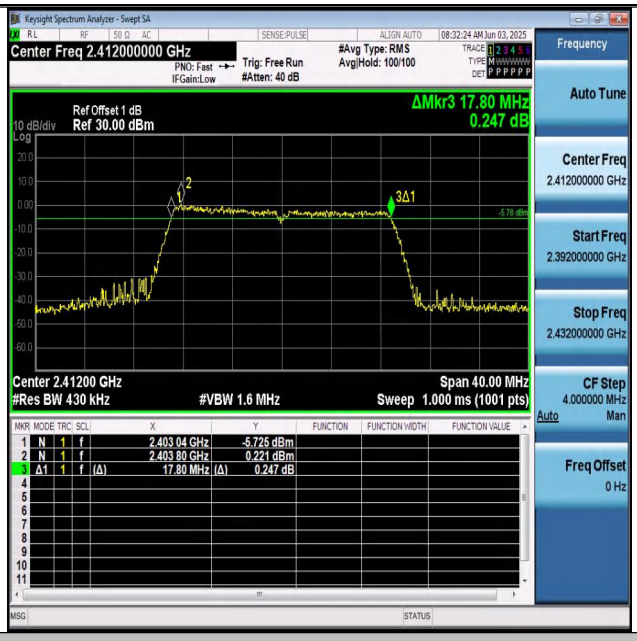
11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

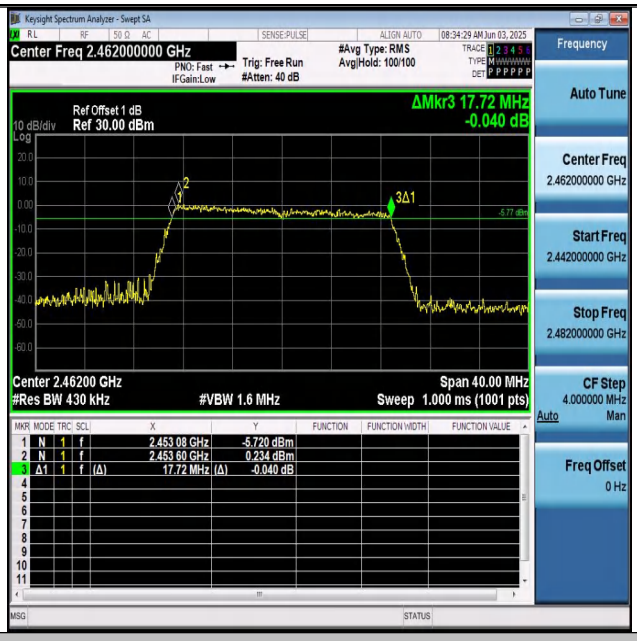
11G-Ant1-2437-PASS

11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS

11N20SISO-Ant1-2437-PASS



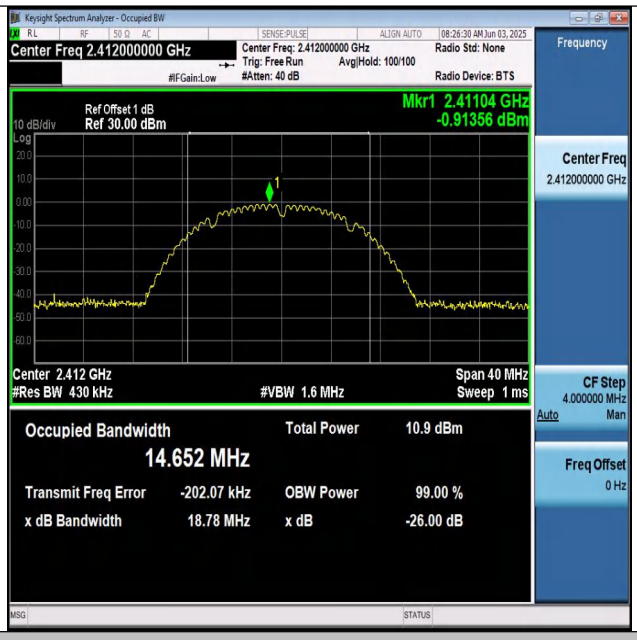
11N20SISO-Ant1-2462-PASS

Appendix B: 99% Occupied Bandwidth

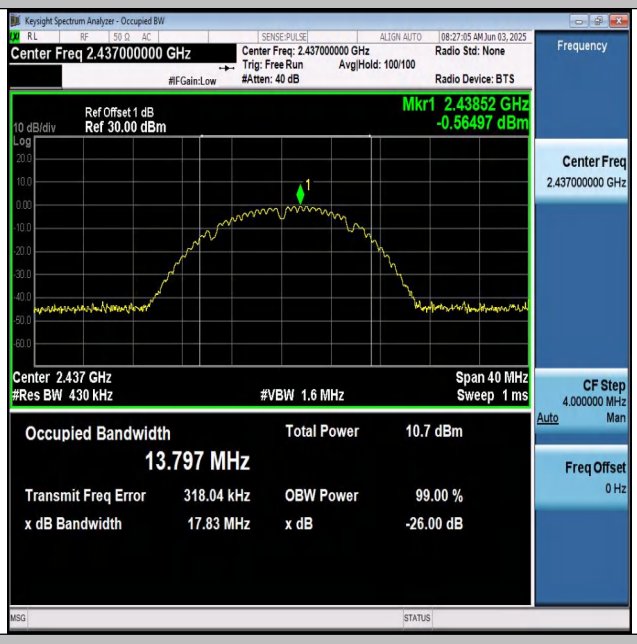
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.954	2405.0571	2419.0111	---	---
11B	Ant1	2437	13.961	2430.0390	2444.0000	---	---
11B	Ant1	2462	13.960	2455.0151	2468.9751	---	---
11G	Ant1	2412	16.208	2403.9134	2420.1214	---	---
11G	Ant1	2437	16.222	2428.9119	2445.1339	---	---
11G	Ant1	2462	16.206	2453.9178	2470.1238	---	---
11N20SISO	Ant1	2412	17.272	2403.3771	2420.6491	---	---
11N20SISO	Ant1	2437	17.324	2428.3496	2445.6736	---	---
11N20SISO	Ant1	2462	17.314	2453.3529	2470.6669	---	---

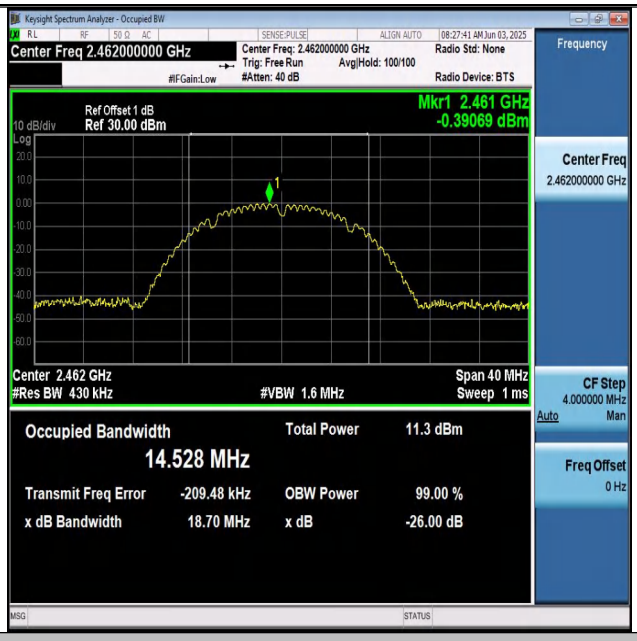
Test Graphs



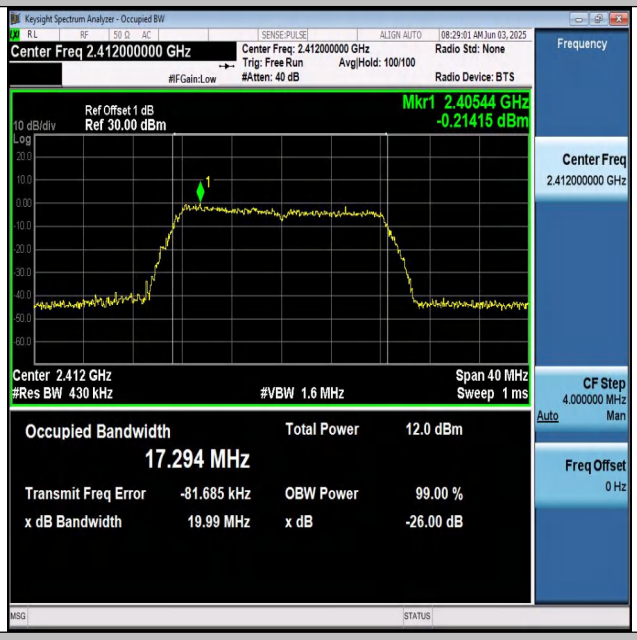
11B-Ant1-2412



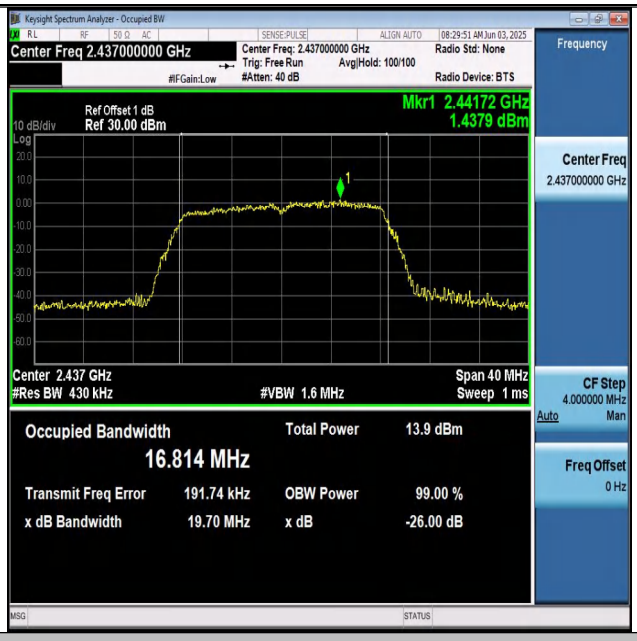
11B-Ant1-2437



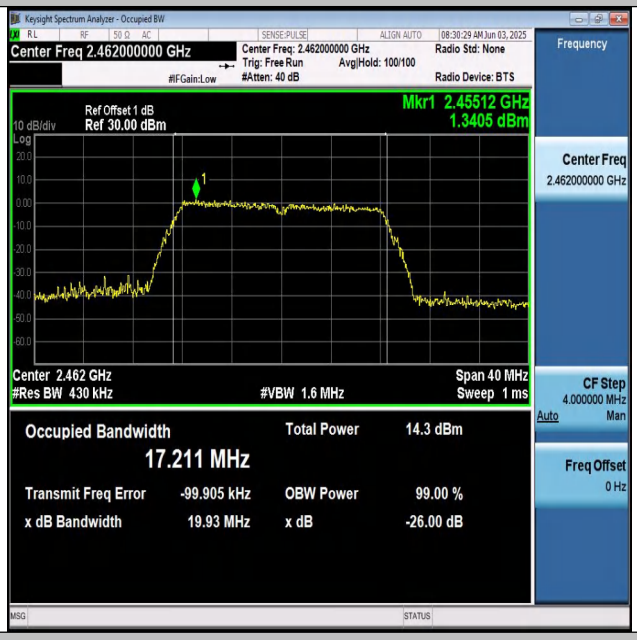
11B-Ant1-2462



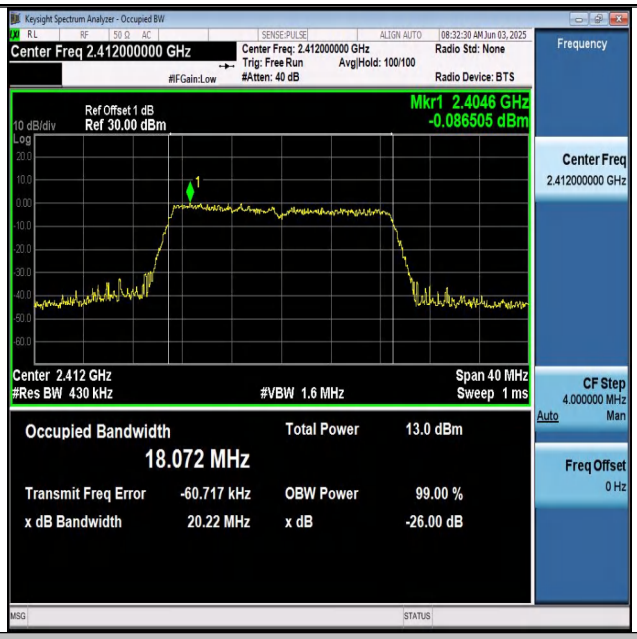
11G-Ant1-2412



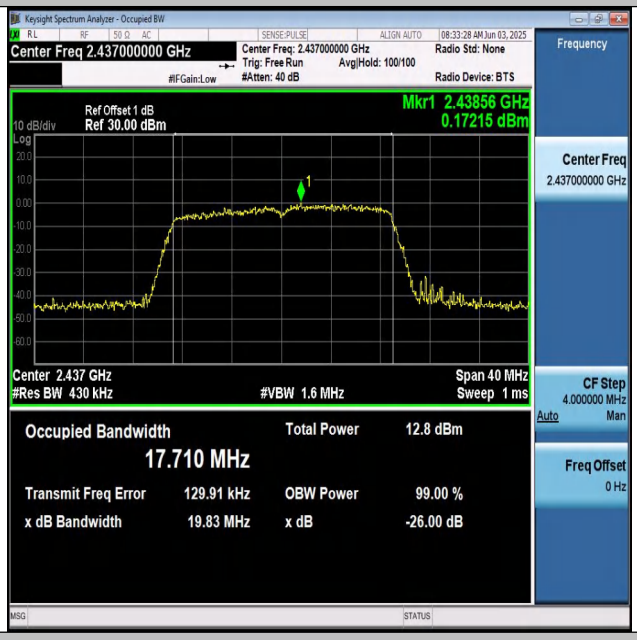
11G-Ant1-2437



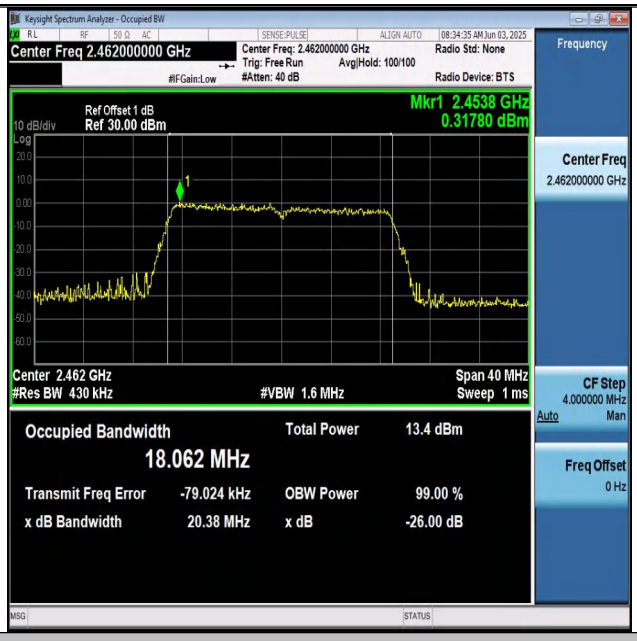
11G-Ant1-2462



11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

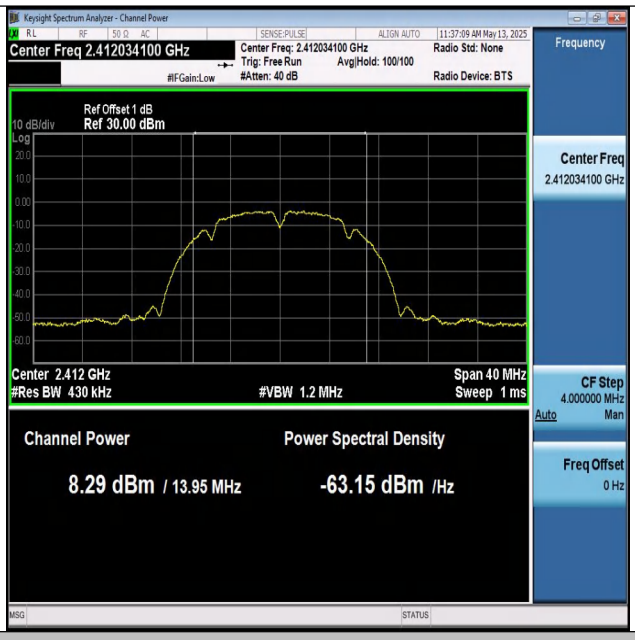
Appendix C: Maximum conducted output power

Test Result Average

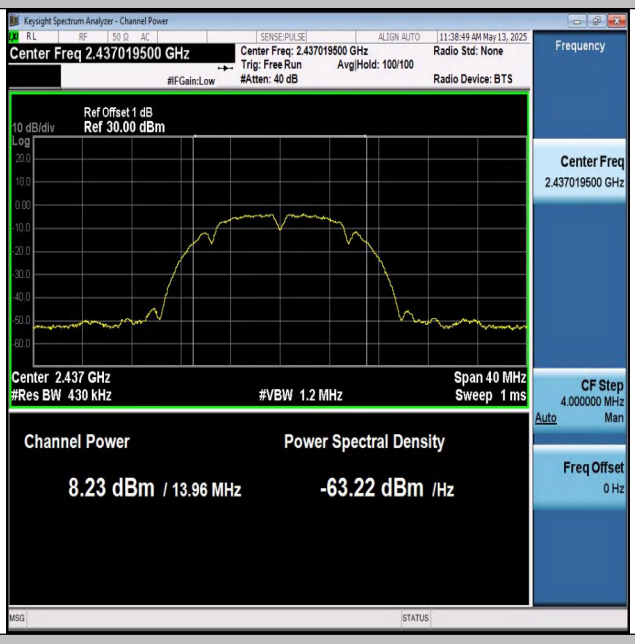
Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.29	100.00	0.00	**8.29**	≤30.00	PASS
11B	Ant1	2437	8.23	100.00	0.00	8.23	≤30.00	PASS
11B	Ant1	2462	7.51	100.00	0.00	7.51	≤30.00	PASS
11G	Ant1	2412	8.00	100.00	0.00	8.00	≤30.00	PASS
11G	Ant1	2437	7.57	100.00	0.00	7.57	≤30.00	PASS
11G	Ant1	2462	7.20	100.00	0.00	7.20	≤30.00	PASS
11N20SISO	Ant1	2412	7.82	100.00	0.00	7.82	≤30.00	PASS
11N20SISO	Ant1	2437	7.55	100.00	0.00	7.55	≤30.00	PASS
11N20SISO	Ant1	2462	7.05	100.00	0.00	7.05	≤30.00	PASS

Note：The Duty Cycle Factor(10*log(1/D)) and cable loss are compensated in the graph.

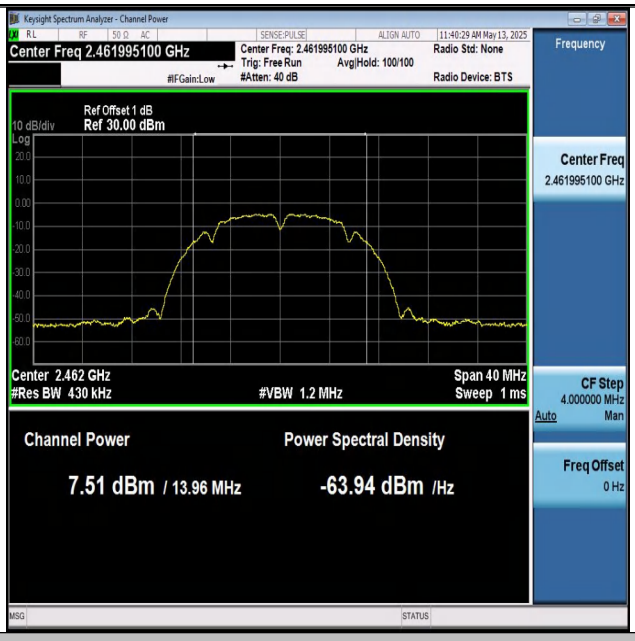
Test Graphs Average



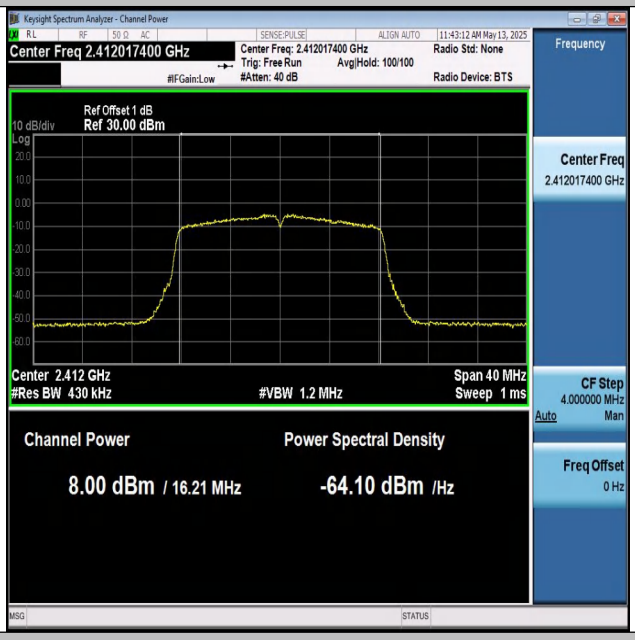
11B-Ant1-2412-PASS



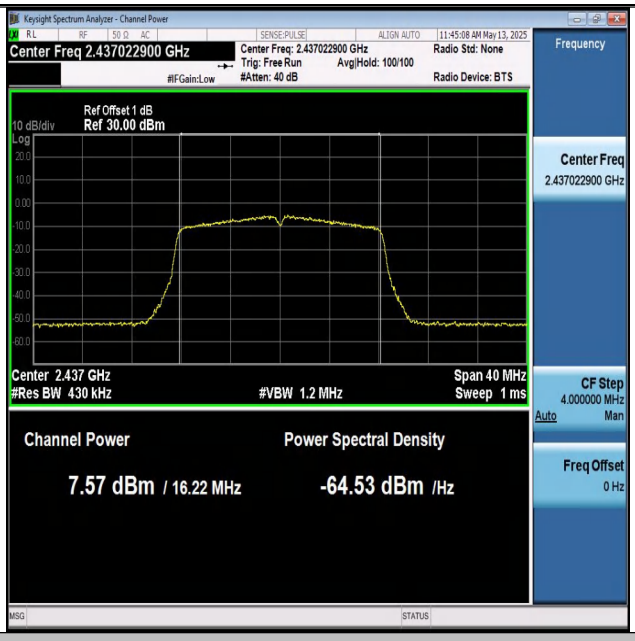
11B-Ant1-2437-PASS



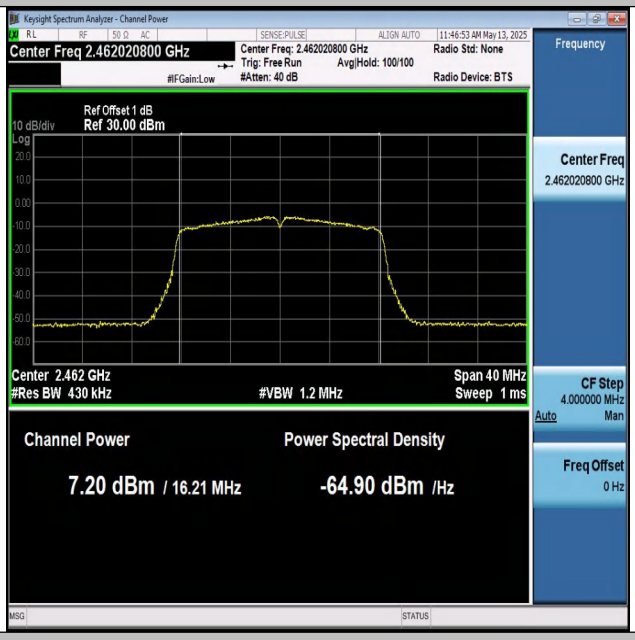
11B-Ant1-2462-PASS



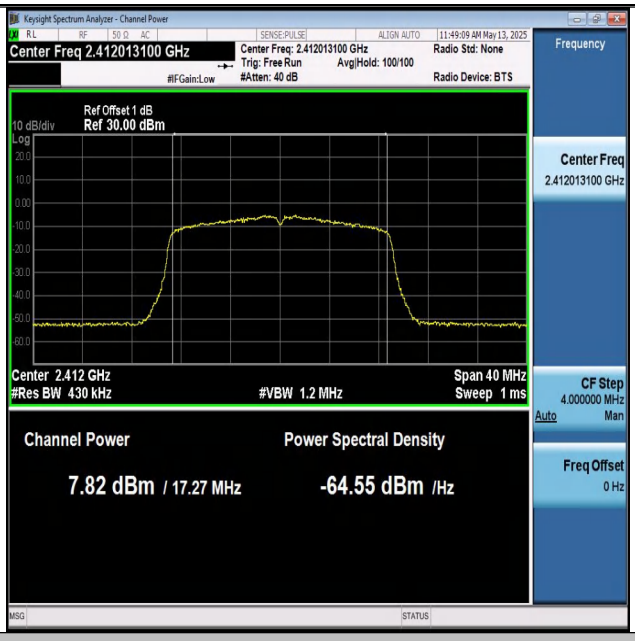
11G-Ant1-2412-PASS



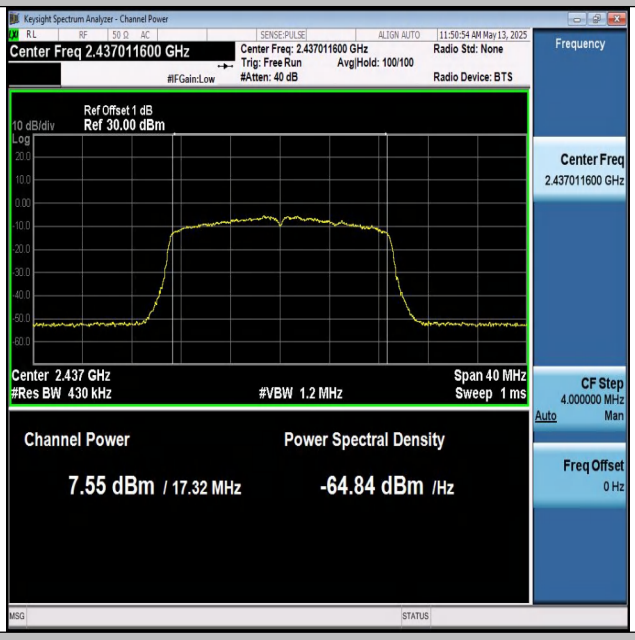
11G-Ant1-2437-PASS



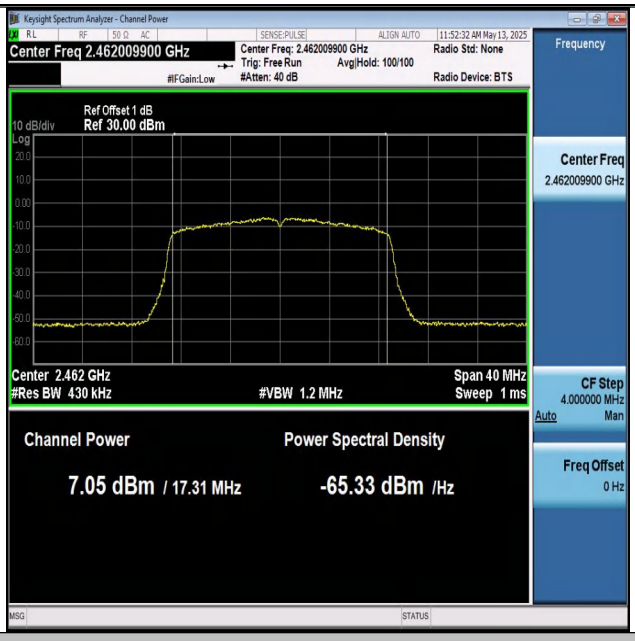
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

Appendix D: Maximum power spectral density

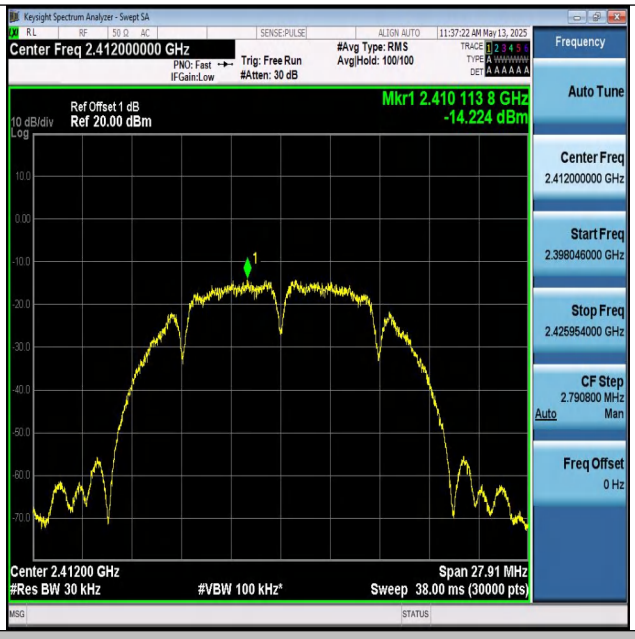
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-14.22	-24.22	≤8.00	PASS
11B	Ant1	2437	-13.97	-23.97	≤8.00	PASS
11B	Ant1	2462	-14.81	-24.81	≤8.00	PASS
11G	Ant1	2412	-13.07	-23.07	≤8.00	PASS
11G	Ant1	2437	-13.49	-23.49	≤8.00	PASS
11G	Ant1	2462	-14.58	-24.58	≤8.00	PASS
11N20SISO	Ant1	2412	-14.19	-24.19	≤8.00	PASS
11N20SISO	Ant1	2437	-14.33	-24.33	≤8.00	PASS
11N20SISO	Ant1	2462	-14.79	-24.79	≤8.00	PASS

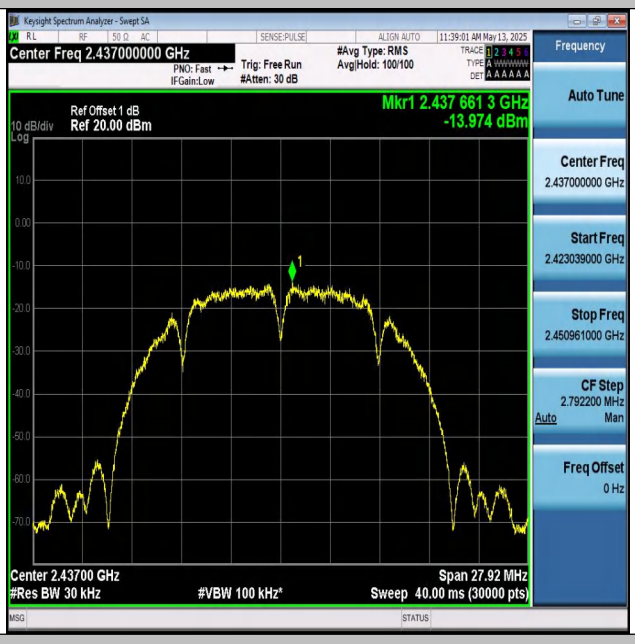
Note：

1. The Duty Cycle Factor(10*log(1/D)) and cable loss are compensated in the graph.
2. PSD(dBm/3kHz)= PSD(dBm/30kHz)- (10*log(30/3))

Test Graphs

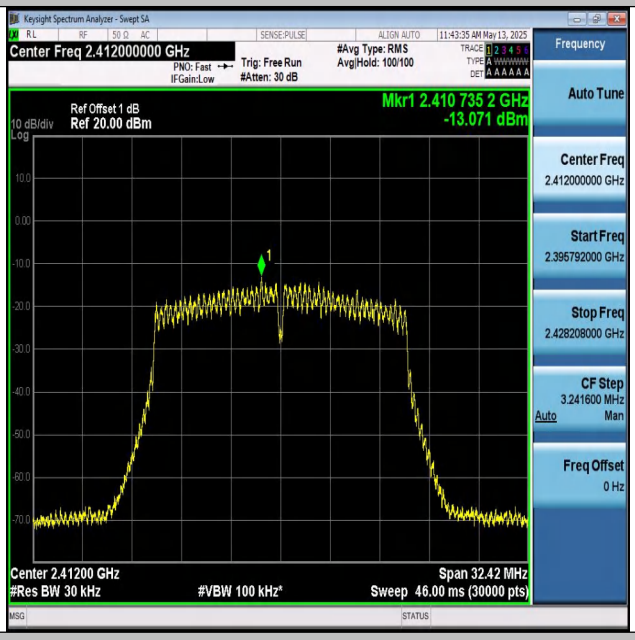


11B-Ant1-2412-PASS

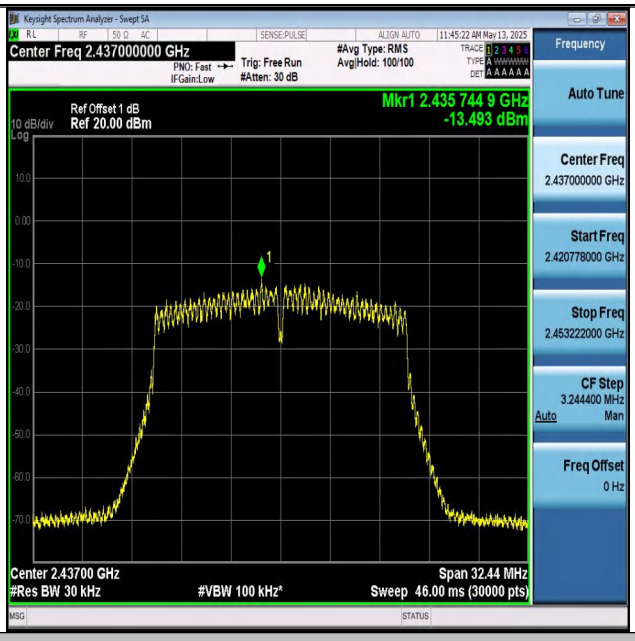


11B-Ant1-2437-PASS

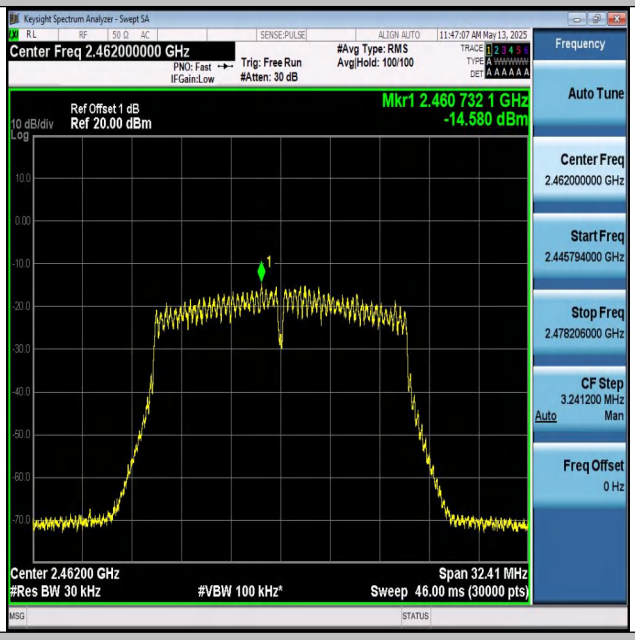
11B-Ant1-2462-PASS



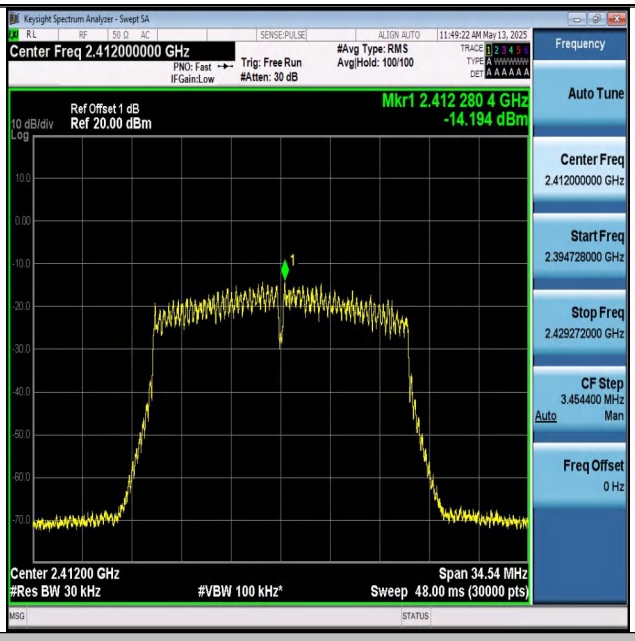
11G-Ant1-2412-PASS



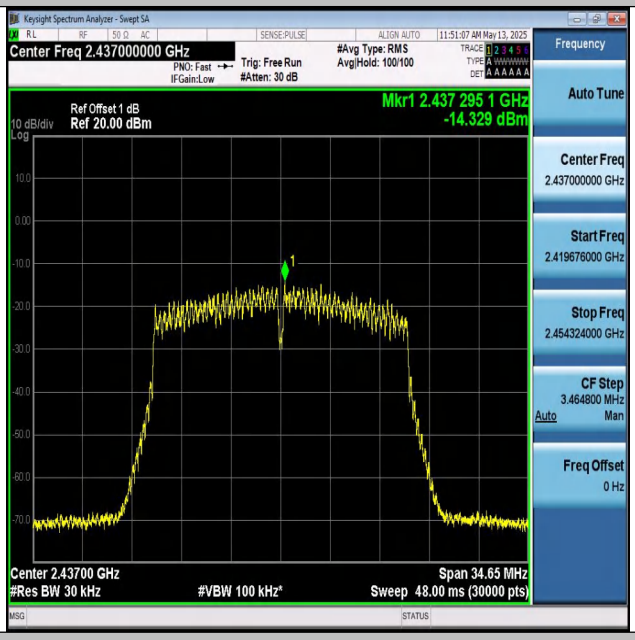
11G-Ant1-2437-PASS



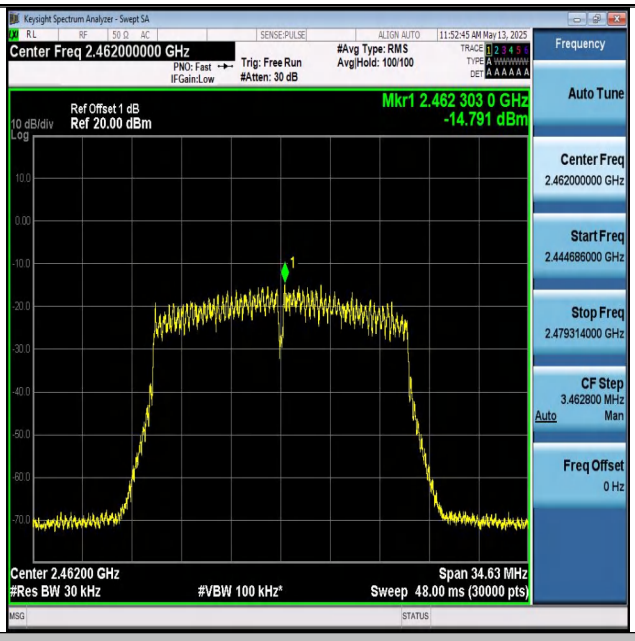
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-1.46	-47.26	≤-31.46	PASS
11B	Ant1	High	2462	-2.09	-56.28	≤-32.09	PASS
11G	Ant1	Low	2412	-1.51	-52.62	≤-31.51	PASS
11G	Ant1	High	2462	-2.35	-55.5	≤-32.35	PASS
11N20SISO	Ant1	Low	2412	-1.76	-53.87	≤-31.76	PASS
11N20SISO	Ant1	High	2462	-2.13	-55.96	≤-32.13	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.