Appendix for WIFI 2.4GHz

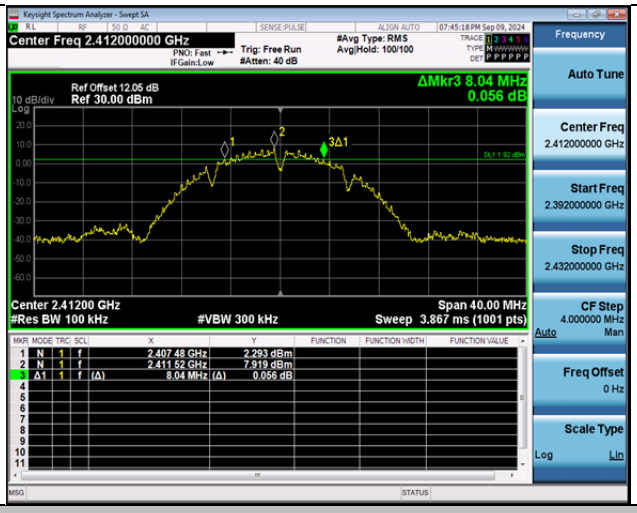
Product Name: InTOUCH07A-AllyW
Model No: InAIO070A

Appendix A: DTS Bandwidth

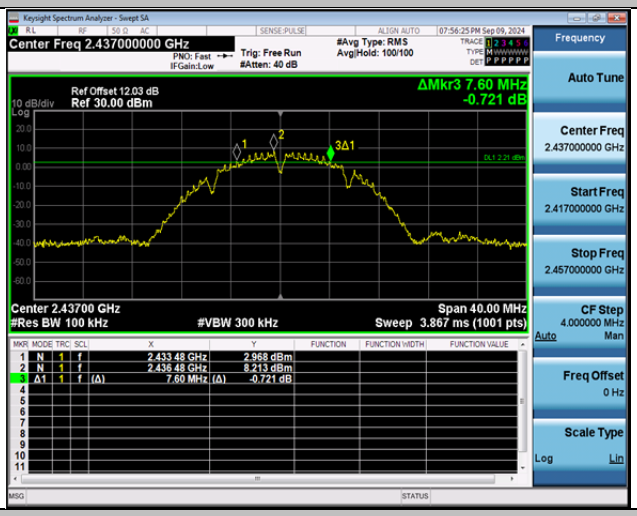
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2407.480	2415.520	0.5	PASS
11B	Ant1	2437	7.600	2433.480	2441.080	0.5	PASS
11B	Ant1	2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	16.120	2403.760	2419.880	0.5	PASS
11G	Ant1	2437	16.160	2429.080	2445.240	0.5	PASS
11G	Ant1	2462	16.440	2453.720	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.400	2403.120	2420.520	0.5	PASS
11N20SISO	Ant1	2437	16.800	2429.120	2445.920	0.5	PASS
11N20SISO	Ant1	2462	17.640	2453.120	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.480	2403.760	2440.240	0.5	PASS
11N40SISO	Ant1	2437	29.760	2424.120	2453.880	0.5	PASS
11N40SISO	Ant1	2452	24.960	2434.800	2459.760	0.5	PASS

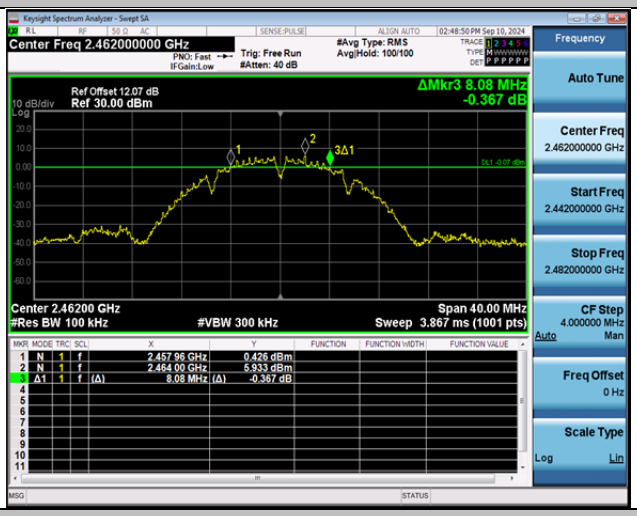
Test Graphs



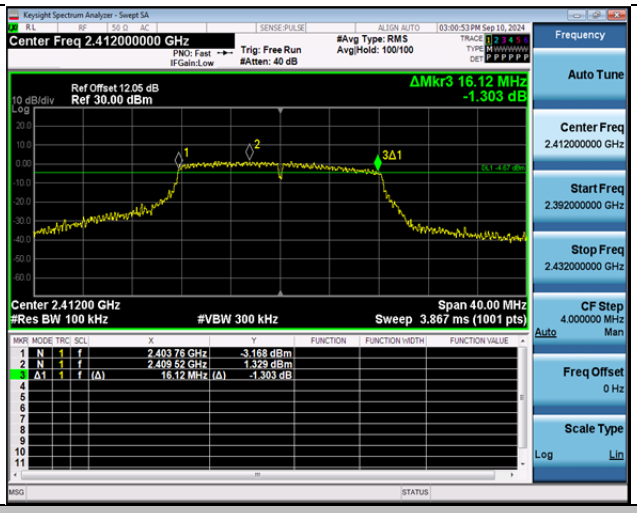
11B-Ant1-2412-PASS



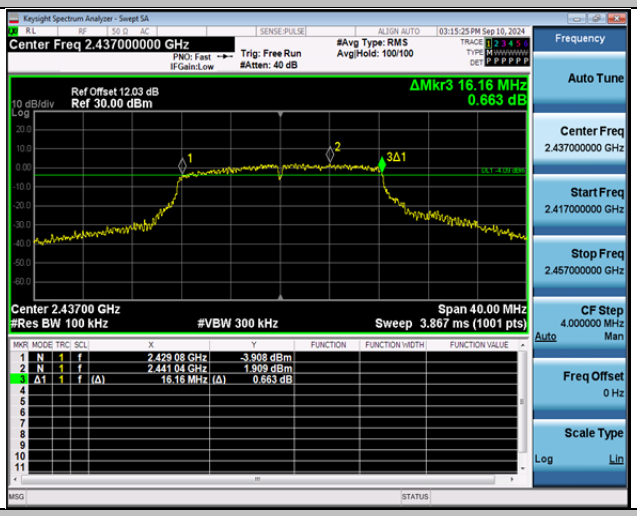
11B-Ant1-2437-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



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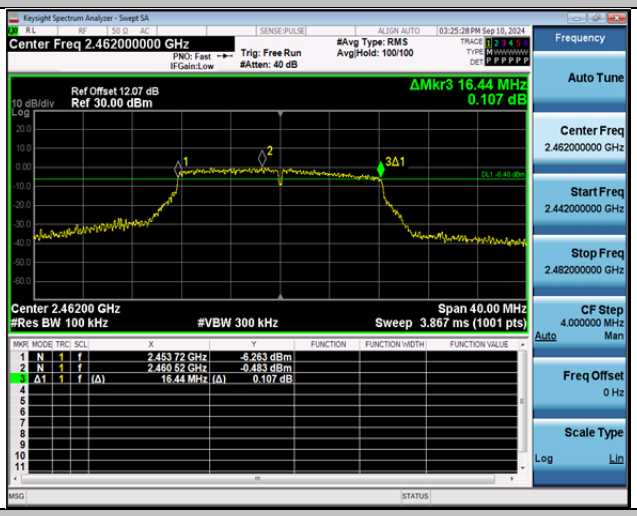

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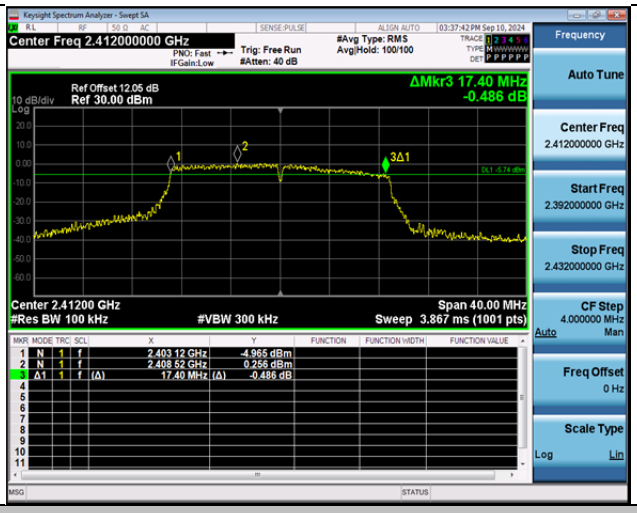

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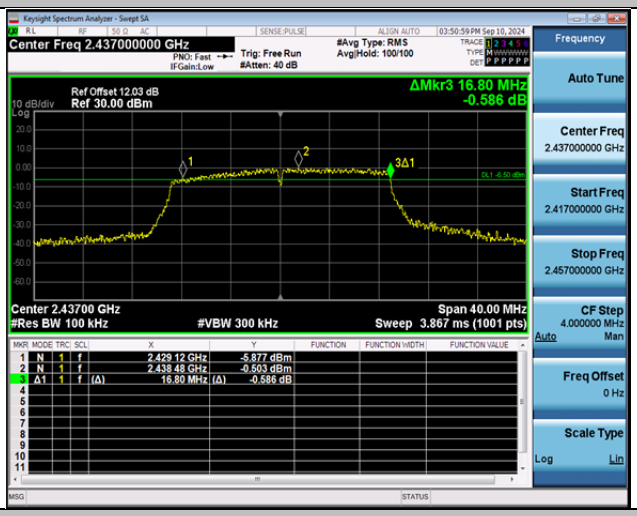

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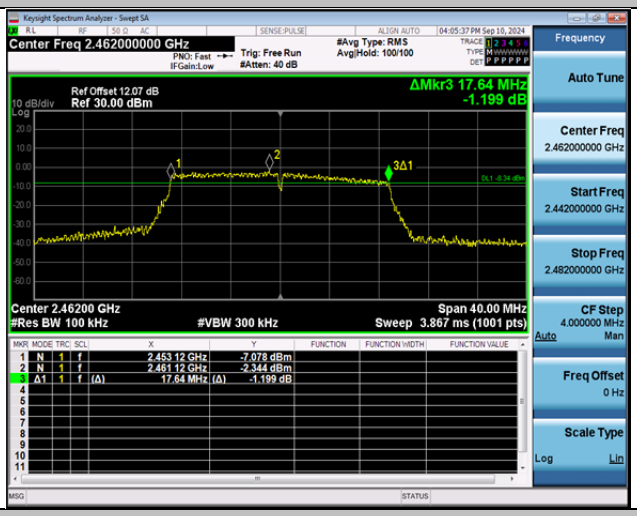
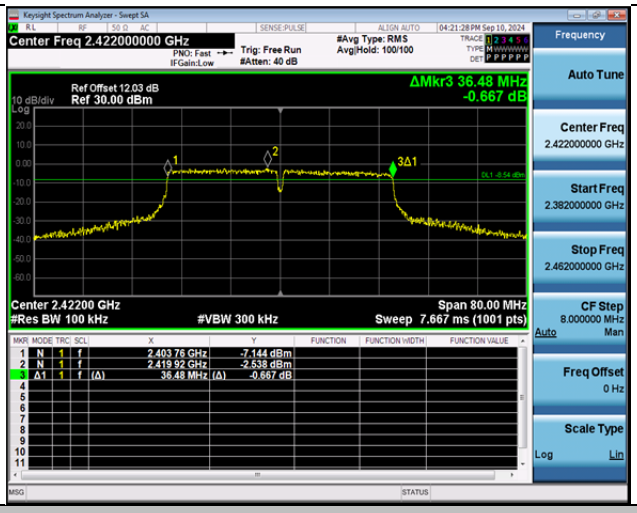
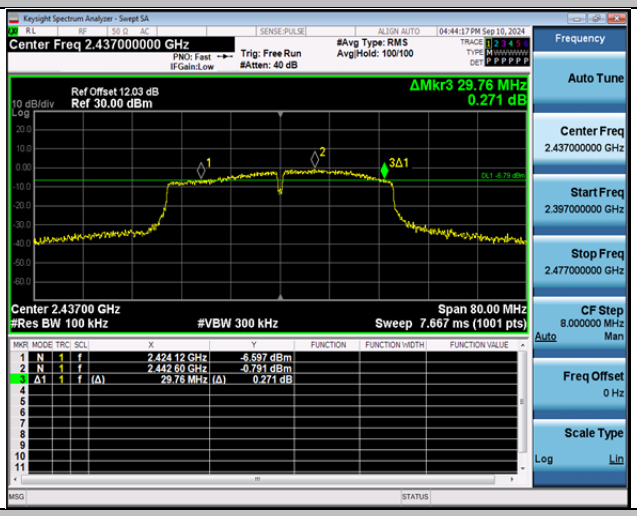


11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



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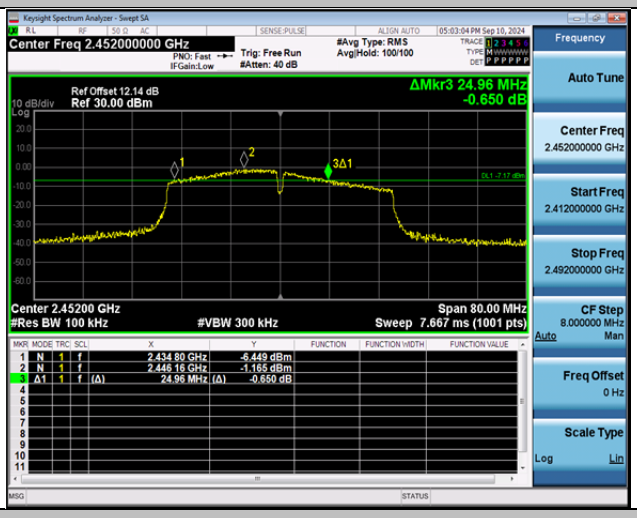


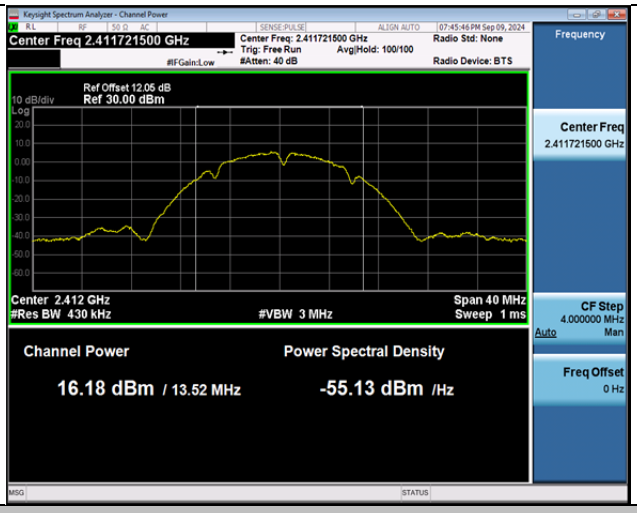
11N40SISO-Ant1-2452-PASS

Appendix B: Maximum conducted output power

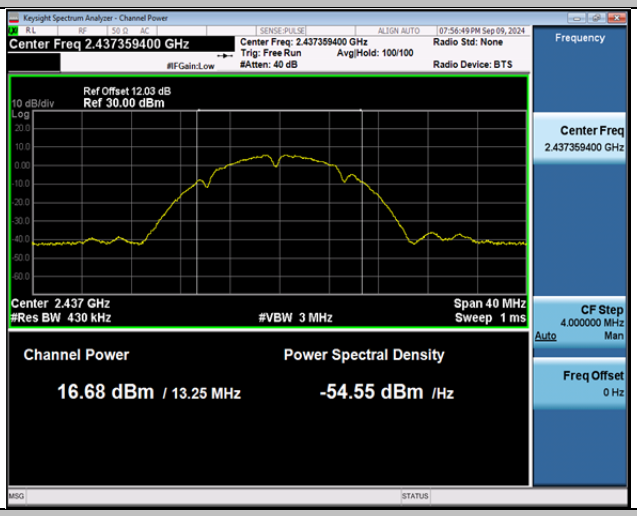
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.18	100.00	0.00	16.18	≤30.00	PASS
11B	Ant1	2437	16.68	100.00	0.00	16.68	≤30.00	PASS
11B	Ant1	2462	14.65	100.00	0.00	14.65	≤30.00	PASS
11G	Ant1	2412	14.71	100.00	0.00	14.71	≤30.00	PASS
11G	Ant1	2437	15.39	100.00	0.00	15.39	≤30.00	PASS
11G	Ant1	2462	13.01	100.00	0.00	13.01	≤30.00	PASS
11N20SISO	Ant1	2412	13.69	100.00	0.00	13.69	≤30.00	PASS
11N20SISO	Ant1	2437	13.44	100.00	0.00	13.44	≤30.00	PASS
11N20SISO	Ant1	2462	11.12	100.00	0.00	11.12	≤30.00	PASS
11N40SISO	Ant1	2422	13.54	100.00	0.00	13.54	≤30.00	PASS
11N40SISO	Ant1	2437	13.83	100.00	0.00	13.83	≤30.00	PASS
11N40SISO	Ant1	2452	13.80	100.00	0.00	13.80	≤30.00	PASS

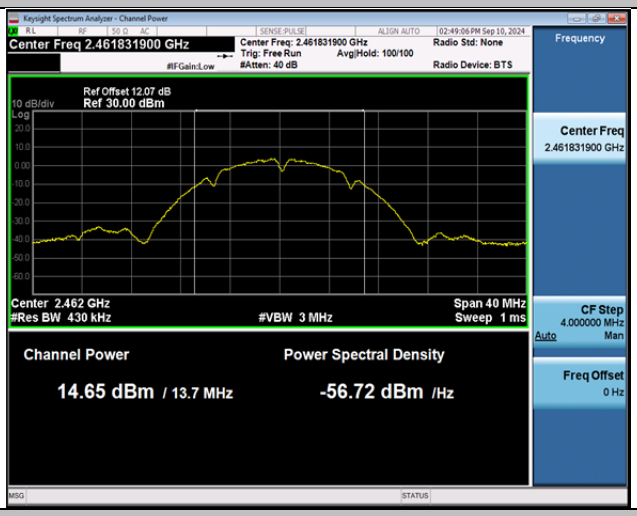
Test Graphs Average



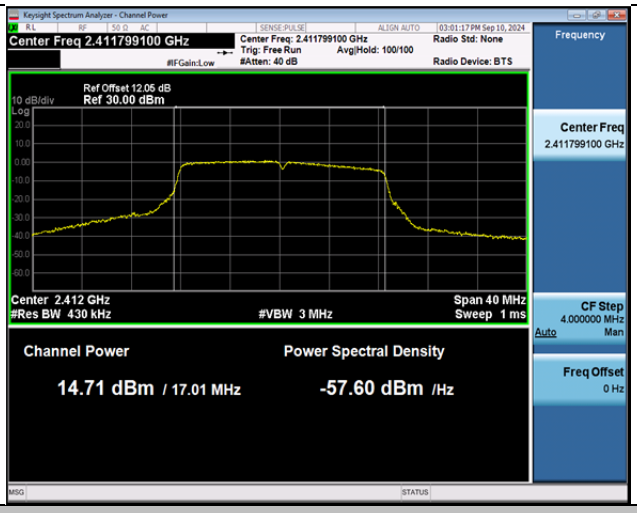
11B-Ant1-2412-PASS



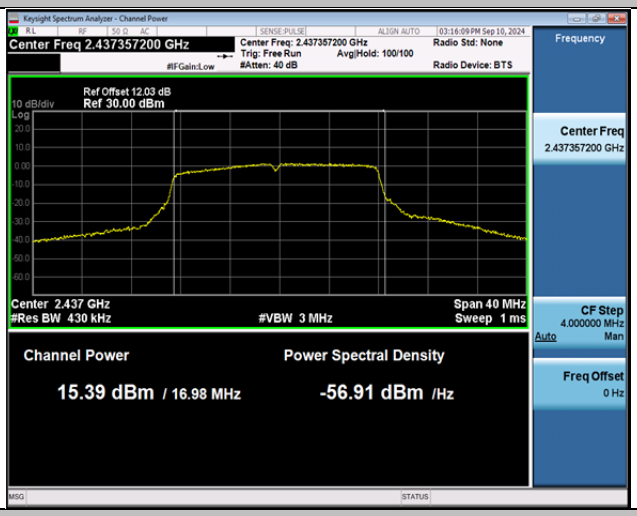
11B-Ant1-2437-PASS



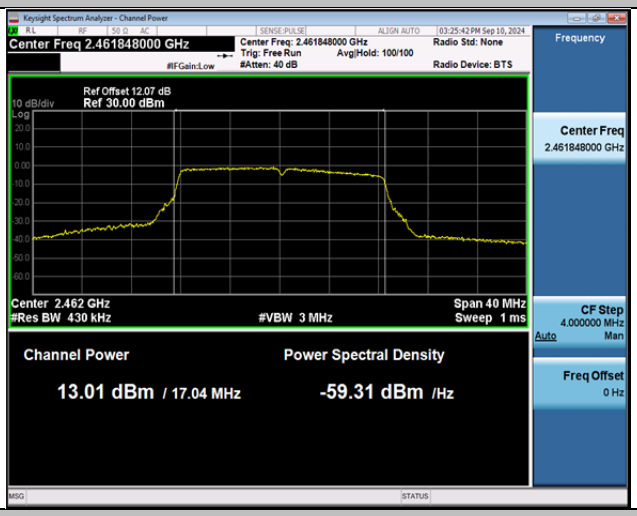
11B-Ant1-2462-PASS



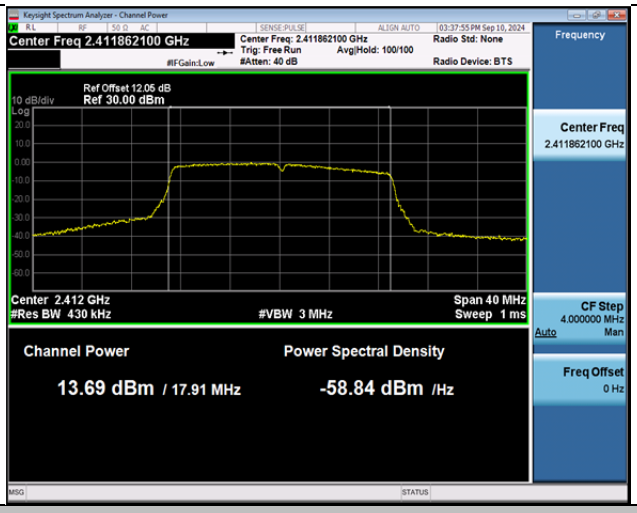
11G-Ant1-2412-PASS



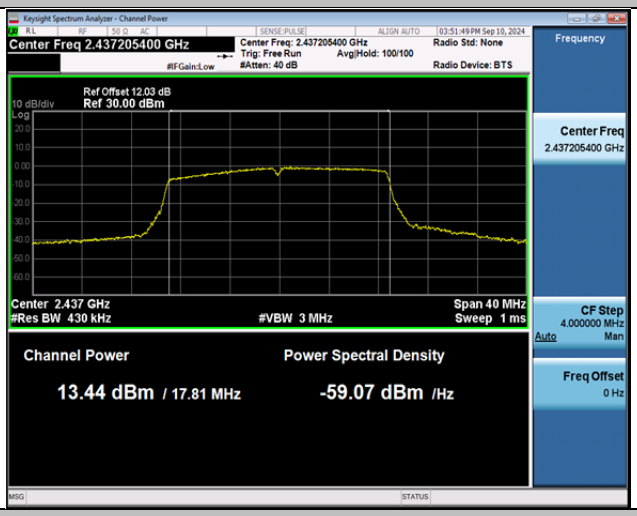
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



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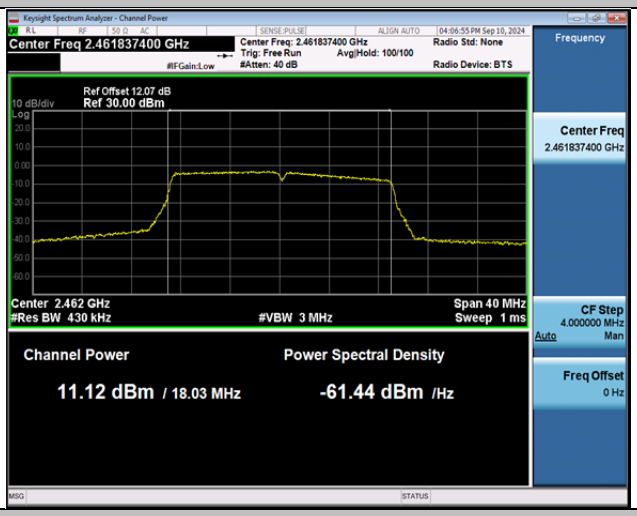
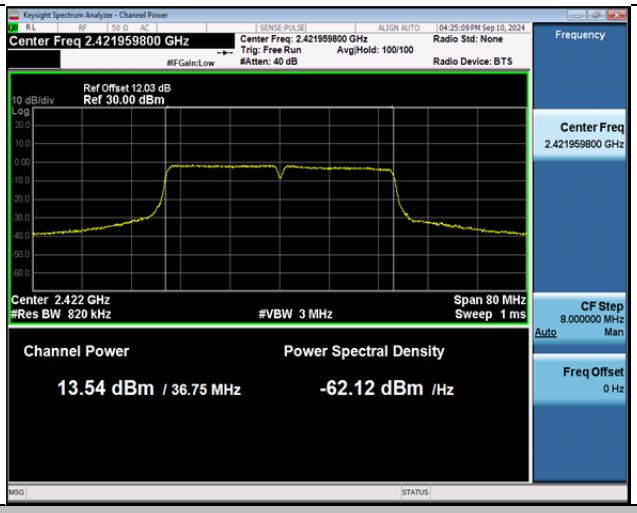
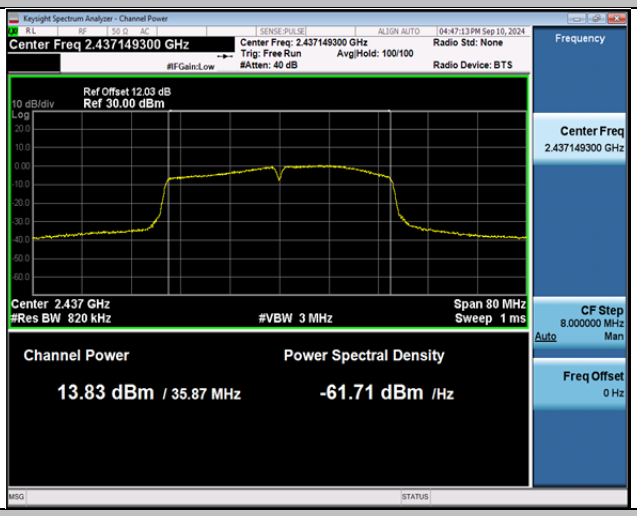


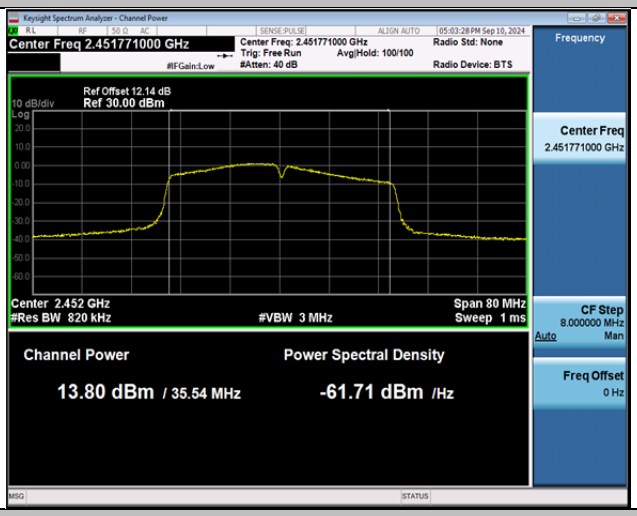
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.23	≤8.00	PASS
11B	Ant1	2437	-14.58	≤8.00	PASS
11B	Ant1	2462	-15.08	≤8.00	PASS
11G	Ant1	2412	-18.57	≤8.00	PASS
11G	Ant1	2437	-17.87	≤8.00	PASS
11G	Ant1	2462	-20.56	≤8.00	PASS
11N20SISO	Ant1	2412	-19.68	≤8.00	PASS
11N20SISO	Ant1	2437	-20.15	≤8.00	PASS
11N20SISO	Ant1	2462	-22.86	≤8.00	PASS
11N40SISO	Ant1	2422	-23.83	≤8.00	PASS
11N40SISO	Ant1	2437	-22.22	≤8.00	PASS
11N40SISO	Ant1	2452	-21.16	≤8.00	PASS

Test Graphs

11B-Ant1-2412-PASS

11B-Ant1-2437-PASS

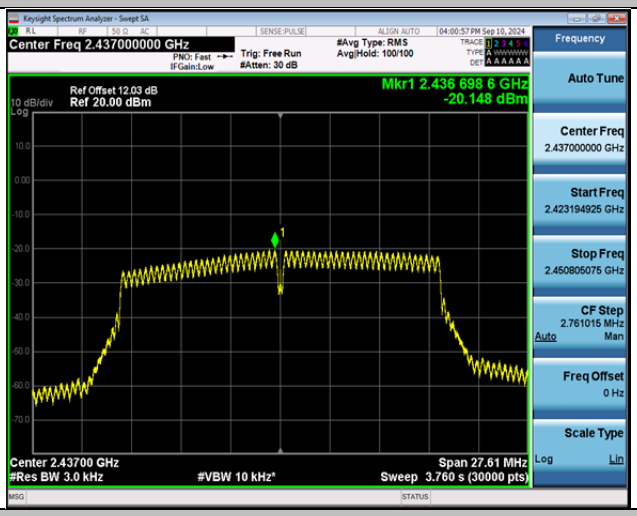
11B-Ant1-2462-PASS

11G-Ant1-2412-PASS

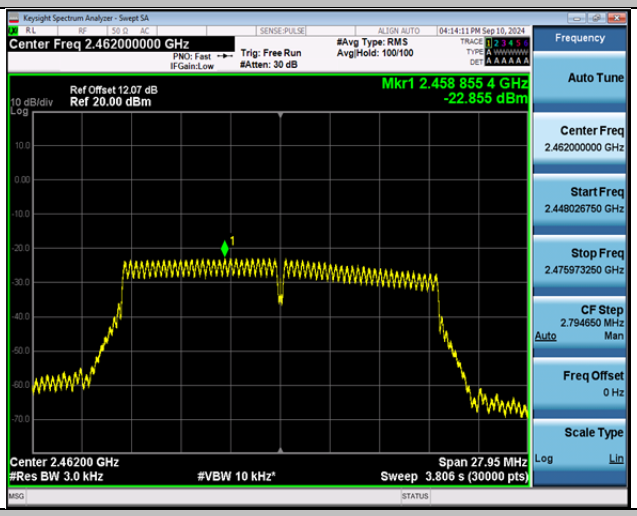
11G-Ant1-2437-PASS

11G-Ant1-2462-PASS

11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



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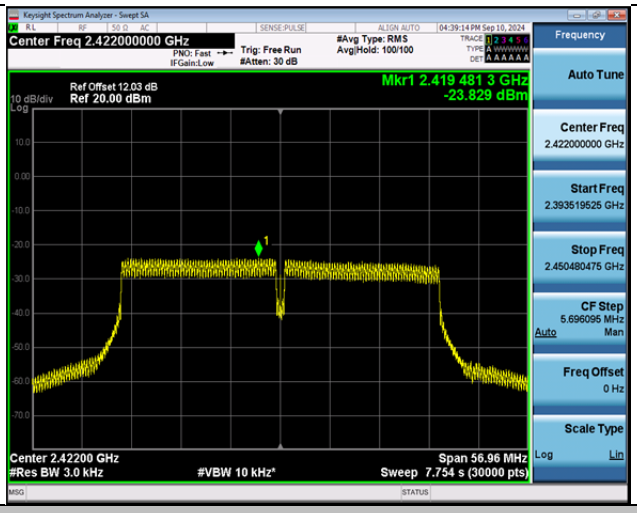
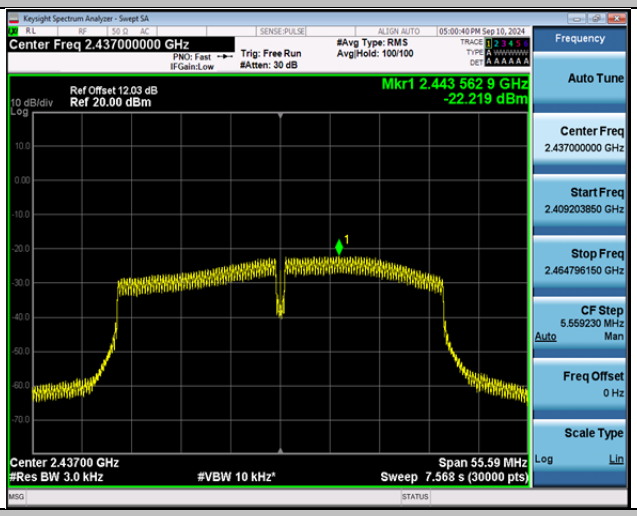
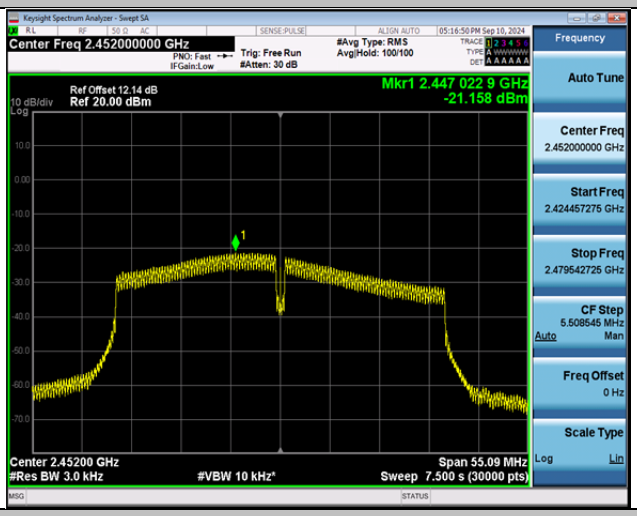


11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

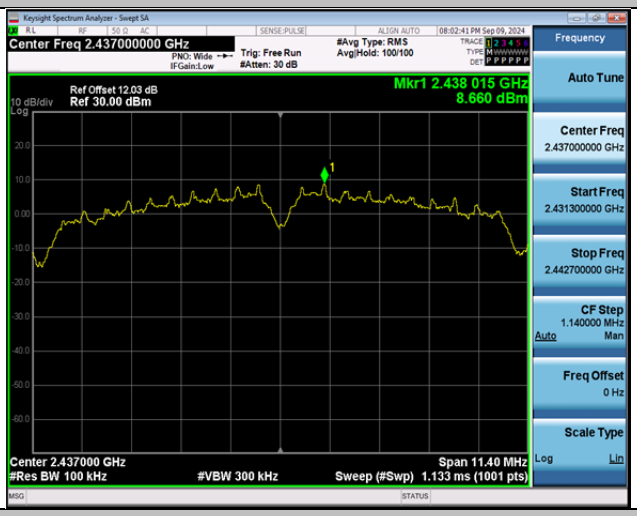
Appendix D: Reference level measurement

Test Result

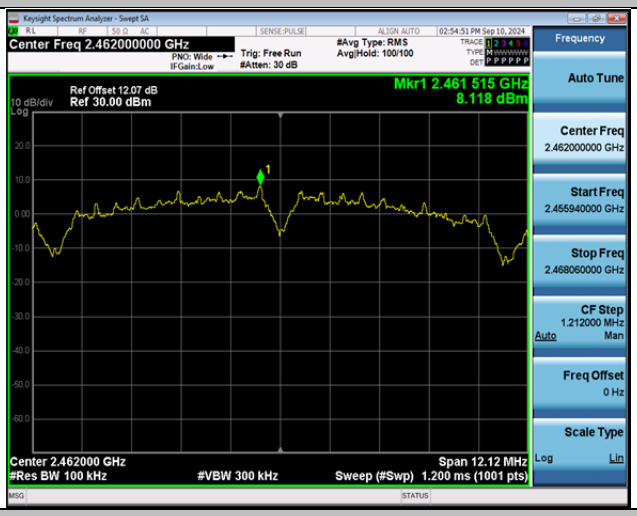
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.51	7.46
11B	Ant1	2437	2438.01	8.66
11B	Ant1	2462	2461.52	8.12
11G	Ant1	2412	2407.62	0.92
11G	Ant1	2437	2436.03	2.15
11G	Ant1	2462	2461.01	-0.09
11N20SISO	Ant1	2412	2409.76	0.28
11N20SISO	Ant1	2437	2439.77	0.13
11N20SISO	Ant1	2462	2461.02	-2.55
11N40SISO	Ant1	2422	2412.86	-3.46
11N40SISO	Ant1	2437	2444.77	-1.43
11N40SISO	Ant1	2452	2449.75	-0.32

Test Graphs

11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



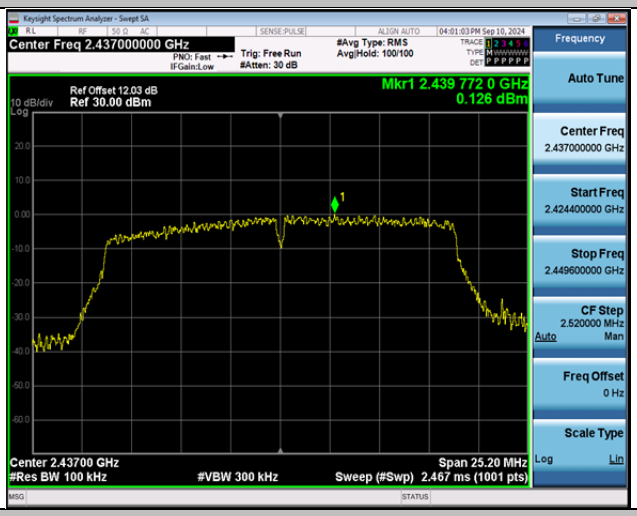
11B-Ant1-2462-PASS

11G-Ant1-2412-PASS

11G-Ant1-2437-PASS

11G-Ant1-2462-PASS

11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS

11N20SISO-Ant1-2462-PASS