

Appendix Test Data

Report No.:	1812C40077712502	Test Sample No.:	1-2-2
Start Test Date:	2024.12.04	Finish Test Date:	2024.12.04
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.1°C	Relative Humidity:	50%
Pressure:	101kPa		

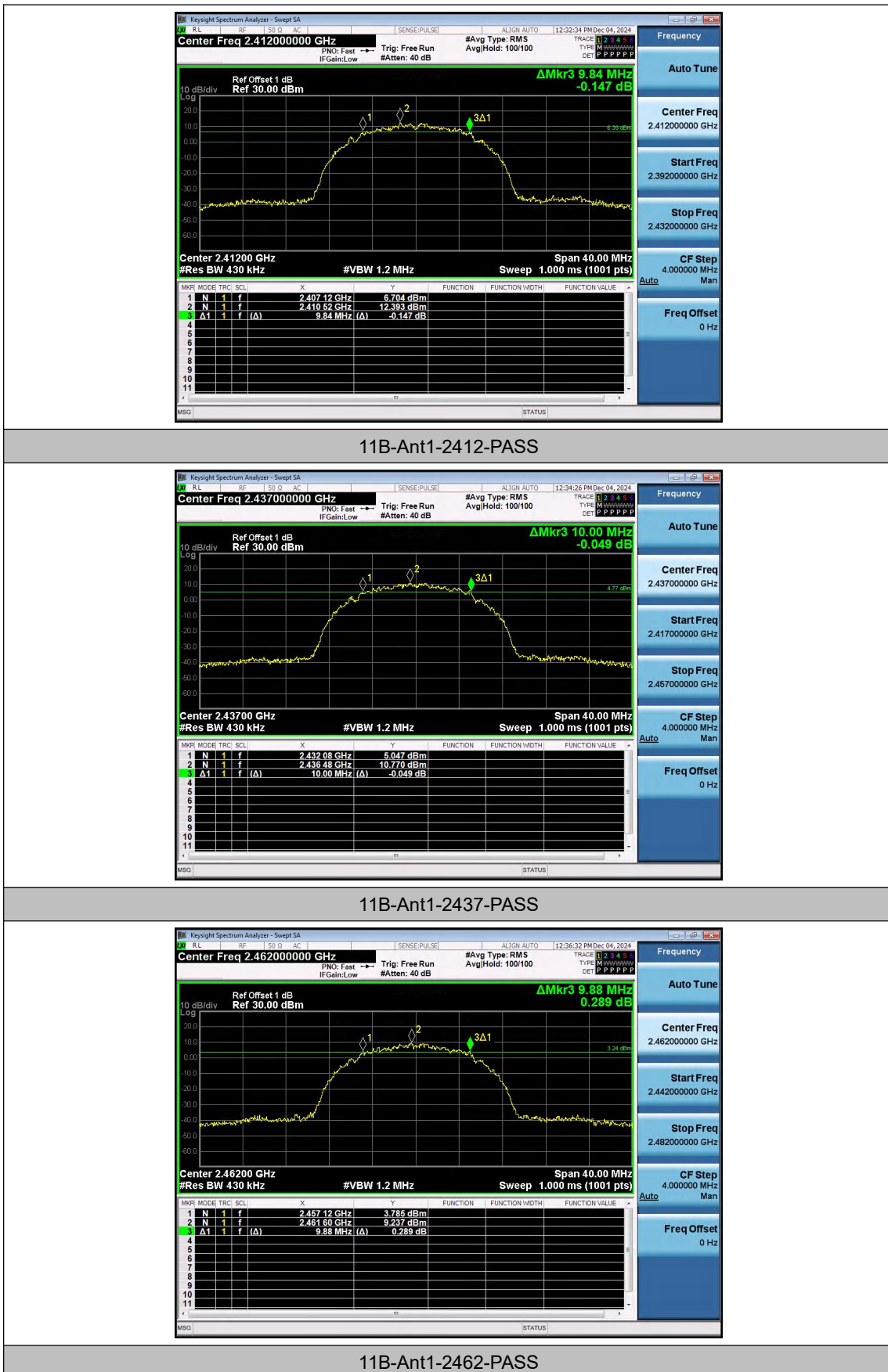
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.840	2407.120	2416.960	0.5	PASS
11B	Ant1	2437	10.000	2432.080	2442.080	0.5	PASS
11B	Ant1	2462	9.880	2457.120	2467.000	0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	0.5	PASS
11G	Ant1	2437	16.400	2428.800	2445.200	0.5	PASS
11G	Ant1	2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.200	2403.360	2420.560	0.5	PASS
11N20SISO	Ant1	2437	17.320	2428.360	2445.680	0.5	PASS
11N20SISO	Ant1	2462	17.280	2453.360	2470.640	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.080	2439.760	0.5	PASS
11N40SISO	Ant1	2437	35.840	2419.080	2454.920	0.5	PASS
11N40SISO	Ant1	2452	35.600	2434.160	2469.760	0.5	PASS



Test Graphs

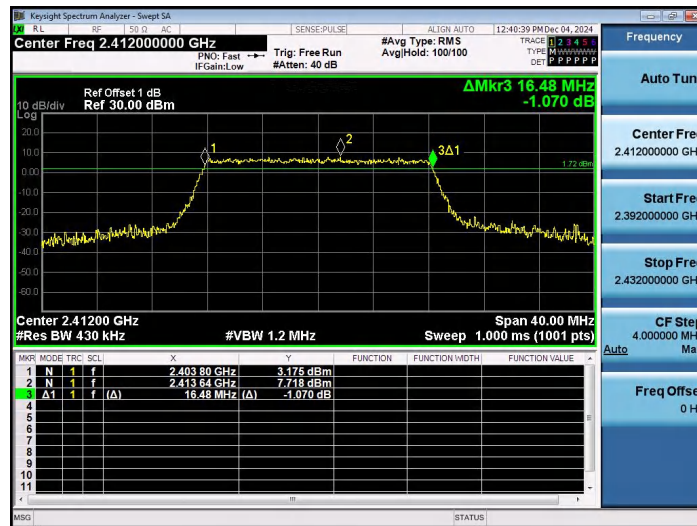


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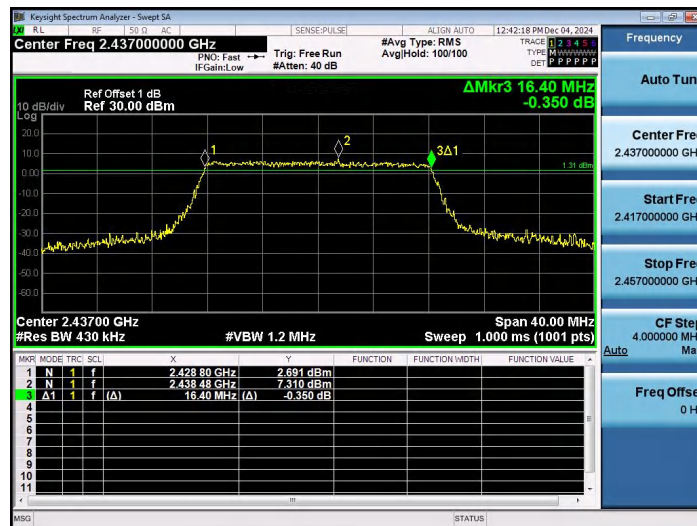
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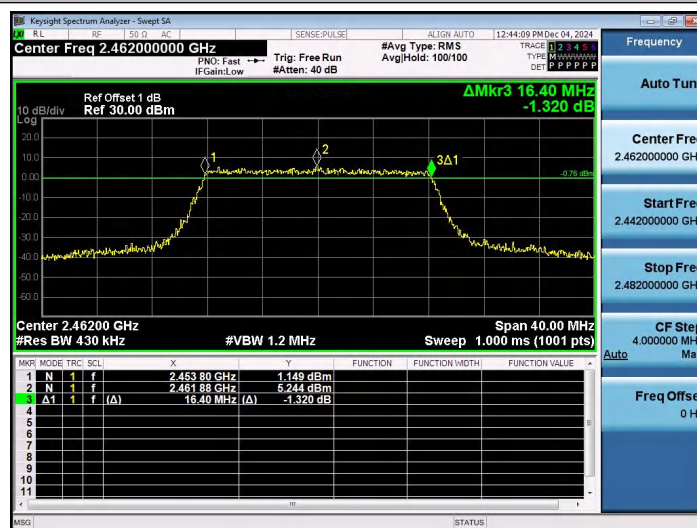




11G-Ant1-2412-PASS

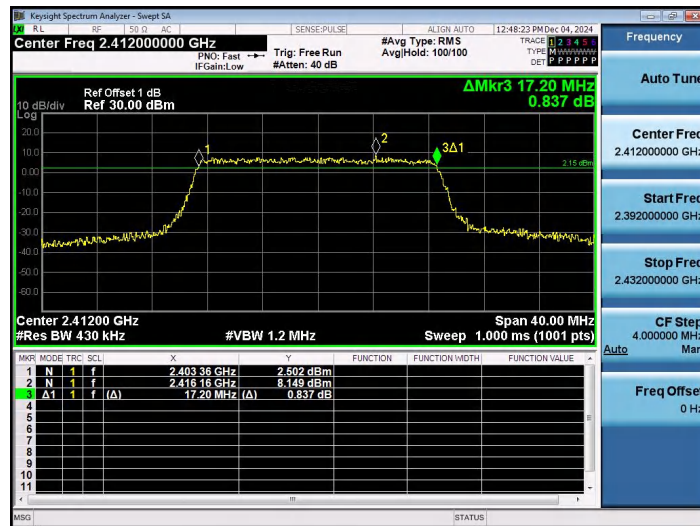


11G-Ant1-2437-PASS

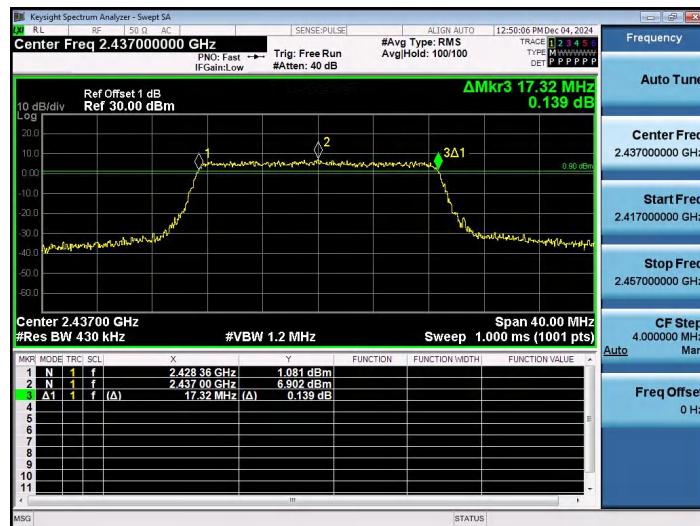


11G-Ant1-2462-PASS

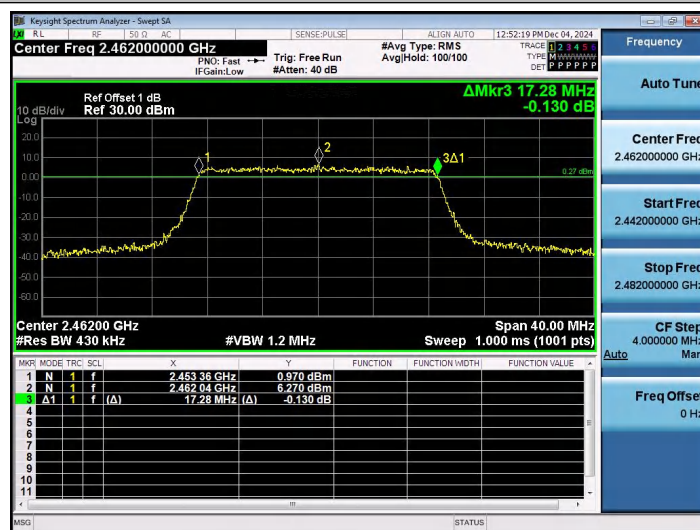




11N20SISO-Ant1-2412-PASS

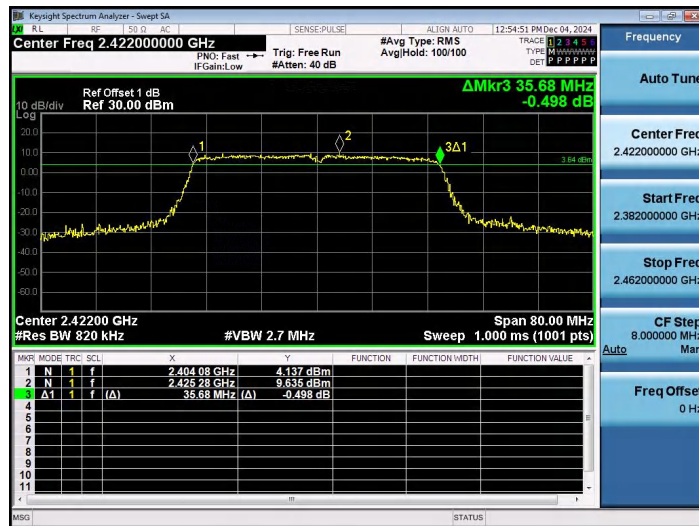


11N20SISO-Ant1-2437-PASS

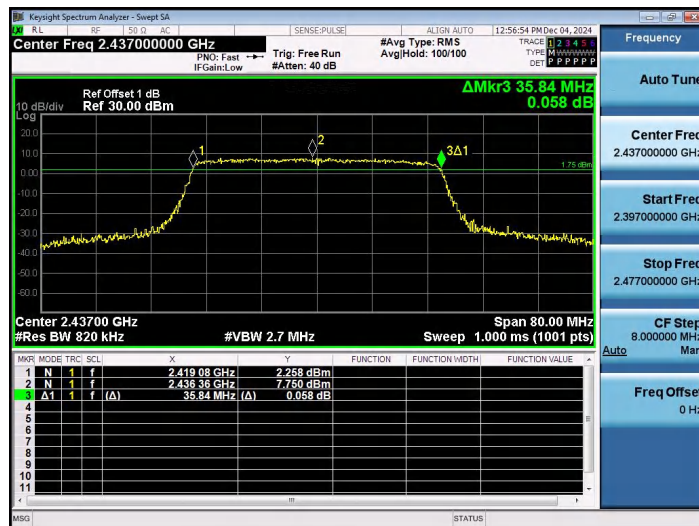


11N20SISO-Ant1-2462-PASS

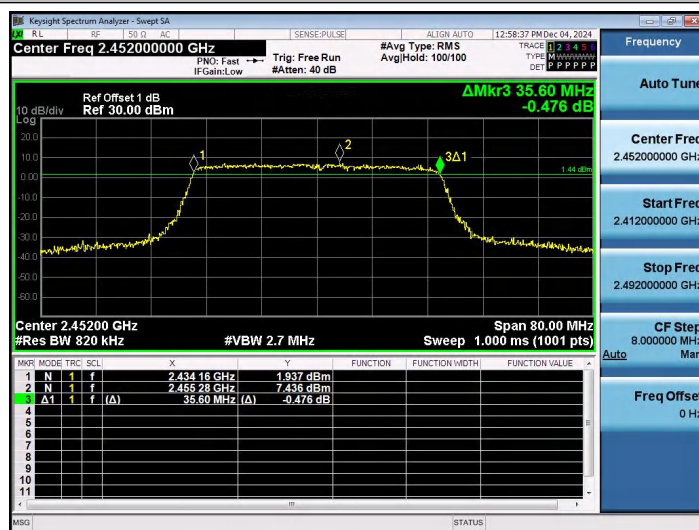




11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



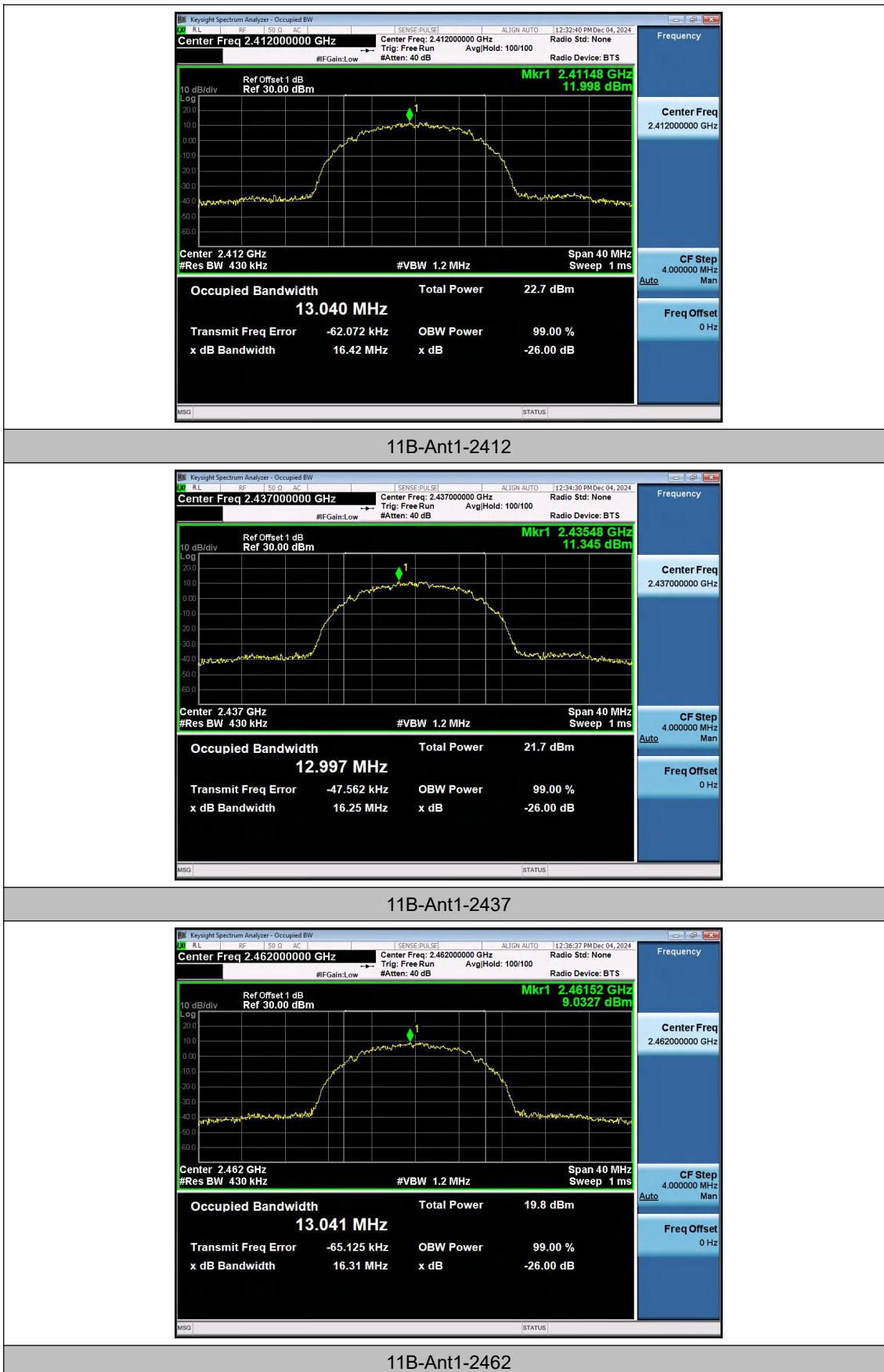
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.040	2405.4179	2418.4579	---	---
11B	Ant1	2437	12.997	2430.4539	2443.4509	---	---
11B	Ant1	2462	13.041	2455.4144	2468.4554	---	---
11G	Ant1	2412	16.681	2403.6673	2420.3483	---	---
11G	Ant1	2437	16.706	2428.6472	2445.3532	---	---
11G	Ant1	2462	16.669	2453.6576	2470.3266	---	---
11N20SISO	Ant1	2412	17.481	2403.2553	2420.7363	---	---
11N20SISO	Ant1	2437	17.485	2428.2492	2445.7342	---	---
11N20SISO	Ant1	2462	17.473	2453.2409	2470.7139	---	---
11N40SISO	Ant1	2422	35.885	2404.0486	2439.9336	---	---
11N40SISO	Ant1	2437	35.872	2419.0728	2454.9448	---	---
11N40SISO	Ant1	2452	35.859	2434.0328	2469.8918	---	---



Test Graphs

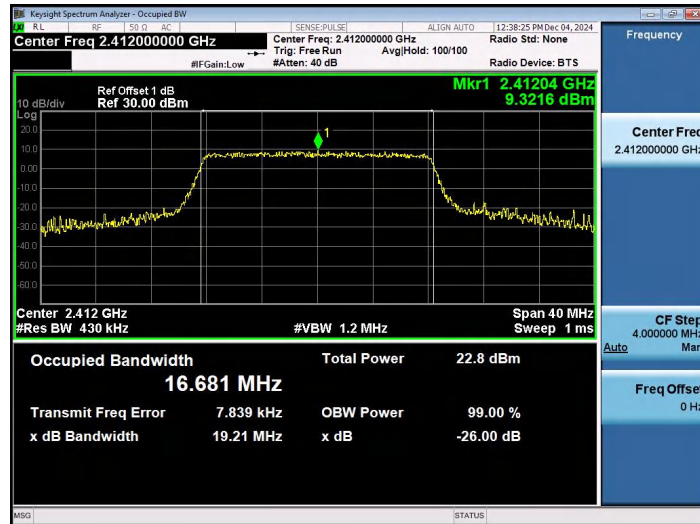


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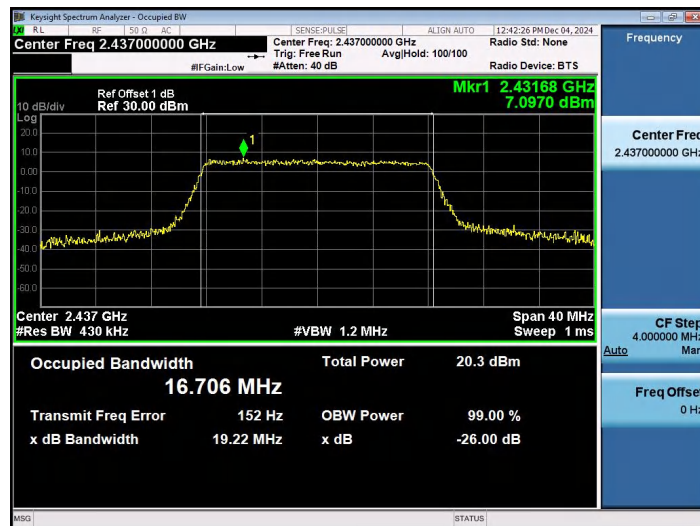
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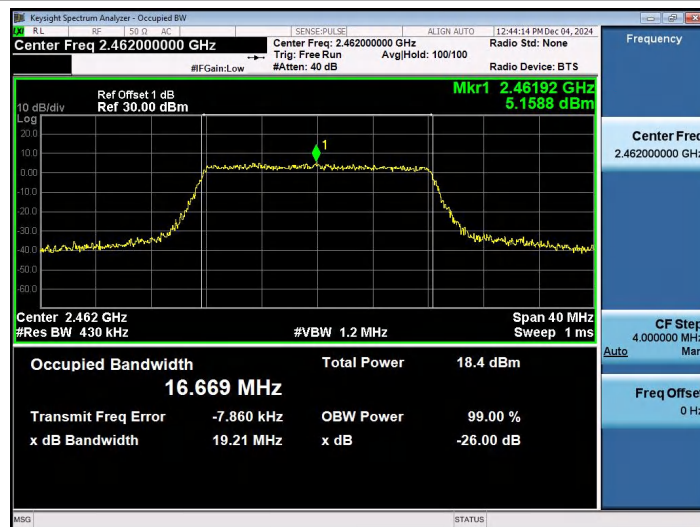




11G-Ant1-2412

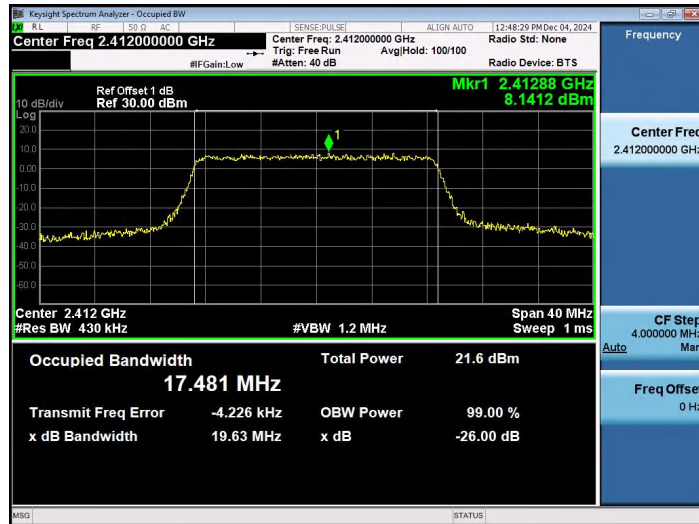


11G-Ant1-2437



11G-Ant1-2462

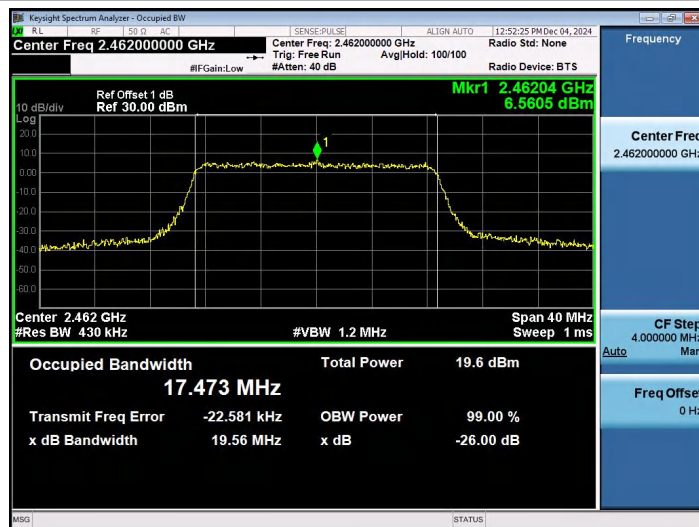




11N20SISO-Ant1-2412

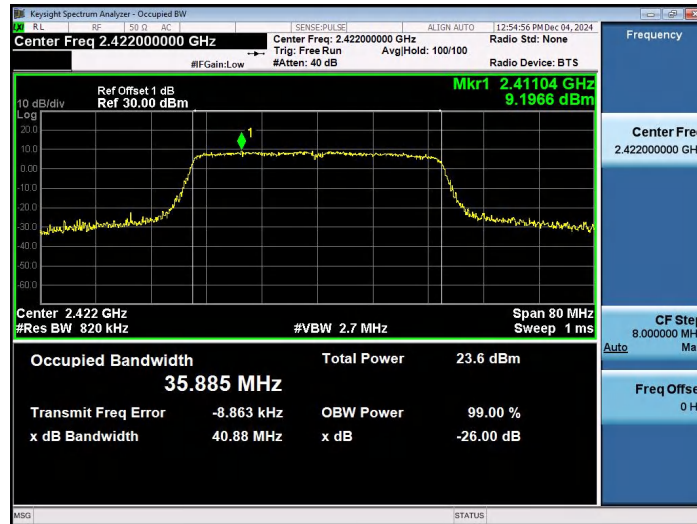


11N20SISO-Ant1-2437

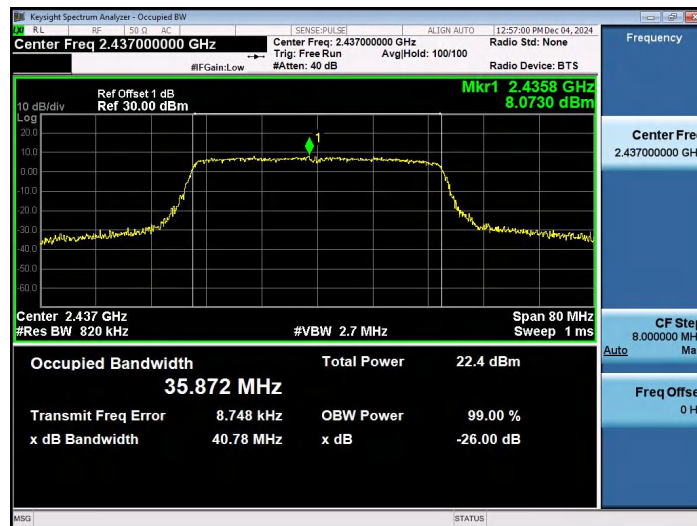


11N20SISO-Ant1-2462





11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



11N40SISO-Ant1-2452



Appendix C: Maximum conducted output power

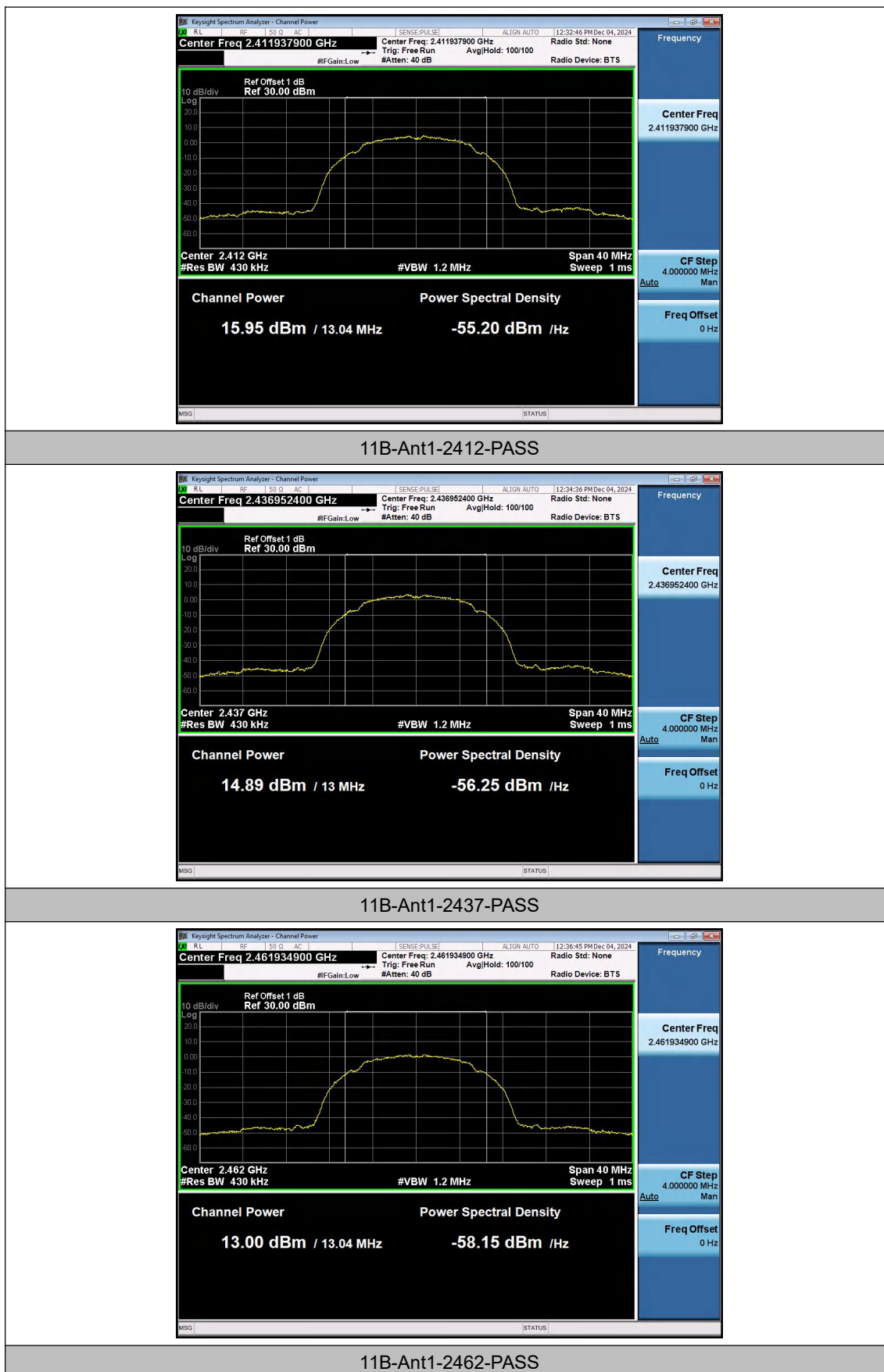
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.95	100.00	0.00	15.95	≤30.00	PASS
11B	Ant1	2437	14.89	100.00	0.00	14.89	≤30.00	PASS
11B	Ant1	2462	13.00	100.00	0.00	13.00	≤30.00	PASS
11G	Ant1	2412	15.35	99.46	0.02	15.37	≤30.00	PASS
11G	Ant1	2437	15.21	99.27	0.03	15.24	≤30.00	PASS
11G	Ant1	2462	14.76	99.64	0.02	14.78	≤30.00	PASS
11N20SISO	Ant1	2412	15.50	99.41	0.03	15.53	≤30.00	PASS
11N20SISO	Ant1	2437	15.48	99.41	0.03	15.51	≤30.00	PASS
11N20SISO	Ant1	2462	14.72	99.41	0.03	14.75	≤30.00	PASS
11N40SISO	Ant1	2422	15.84	98.80	0.05	15.89	≤30.00	PASS
11N40SISO	Ant1	2437	15.37	99.20	0.03	15.40	≤30.00	PASS
11N40SISO	Ant1	2452	15.01	98.80	0.05	15.06	≤30.00	PASS

Note: 1. The cable loss are compensated in the graph



Test Graphs Average

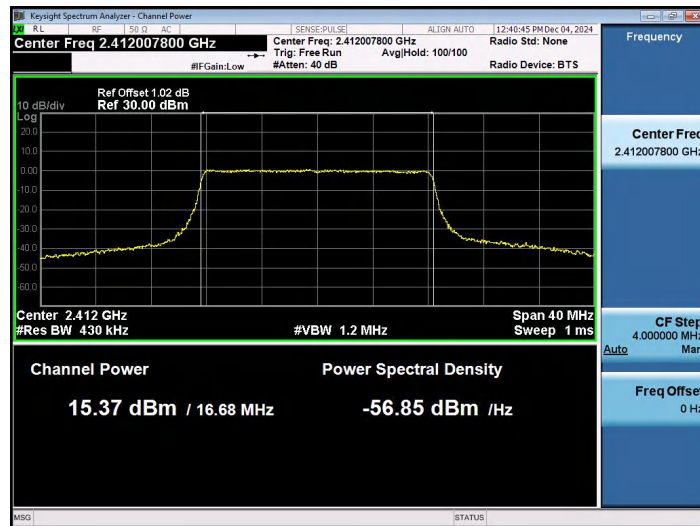


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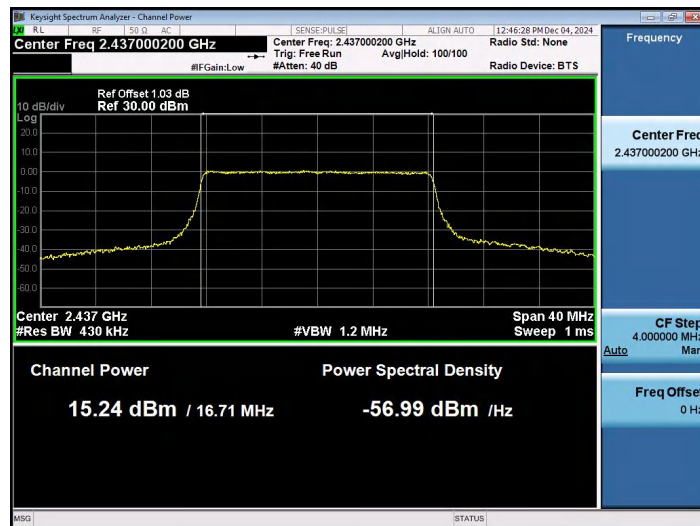
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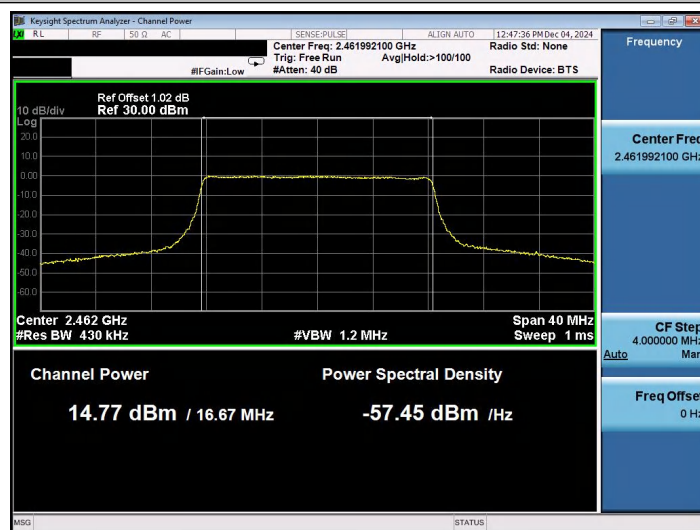




11G-Ant1-2412-PASS

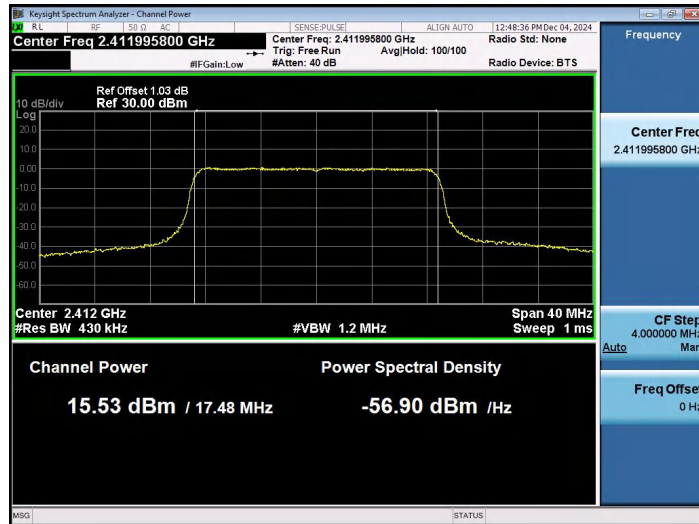


11G-Ant1-2437-PASS

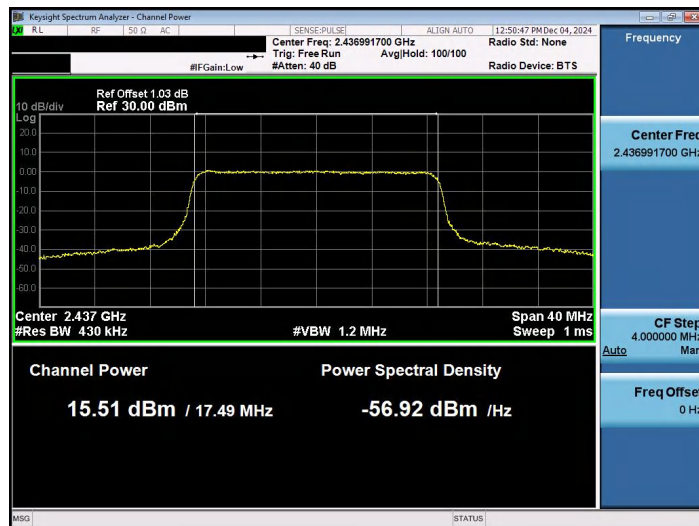


11G-Ant1-2462-PASS

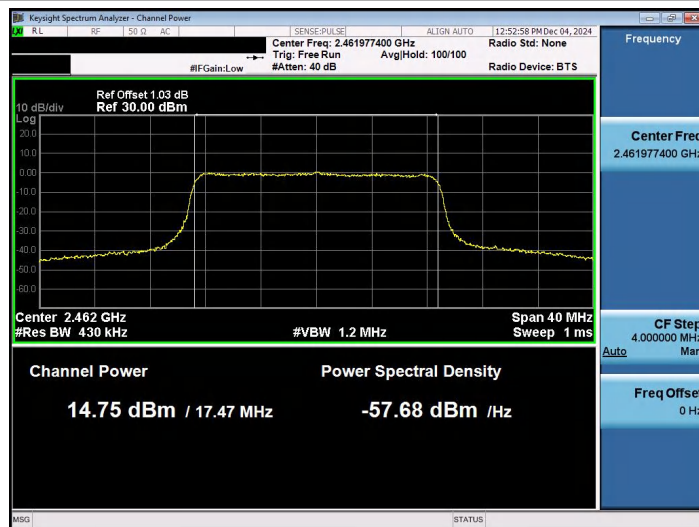




11N20SISO-Ant1-2412-PASS

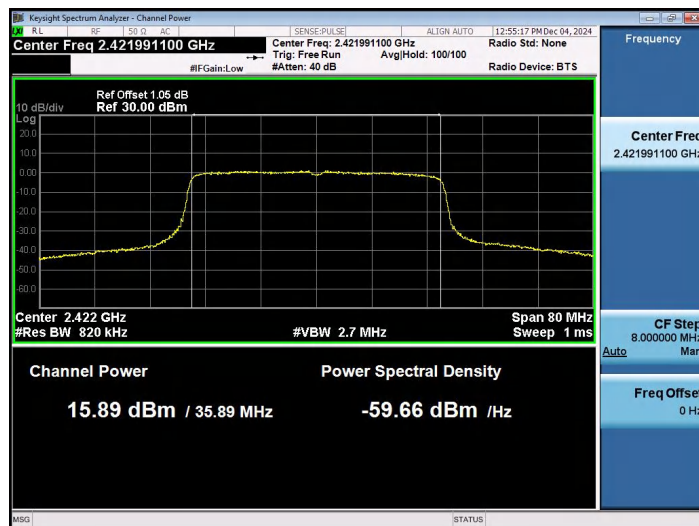


11N20SISO-Ant1-2437-PASS

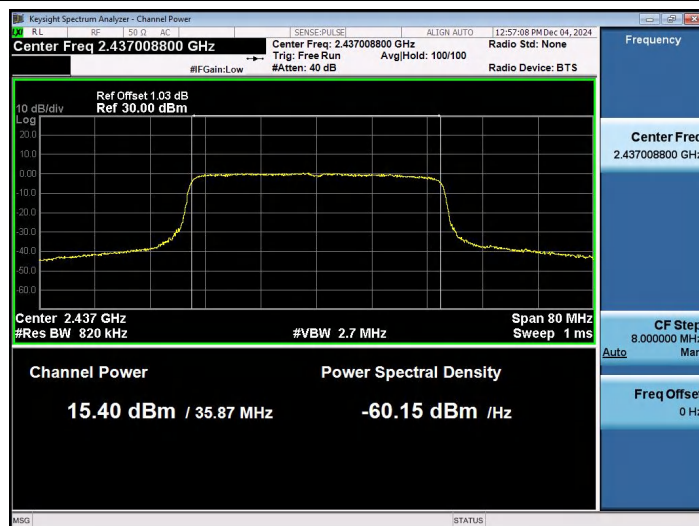


11N20SISO-Ant1-2462-PASS

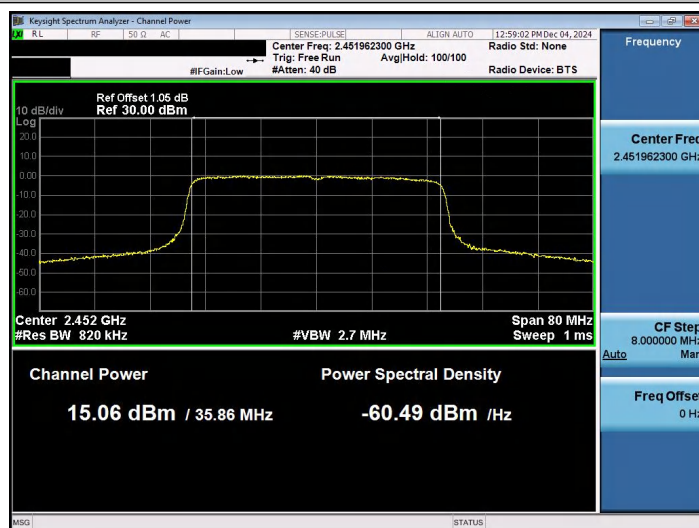




11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



Appendix D: Maximum power spectral density

Test Result

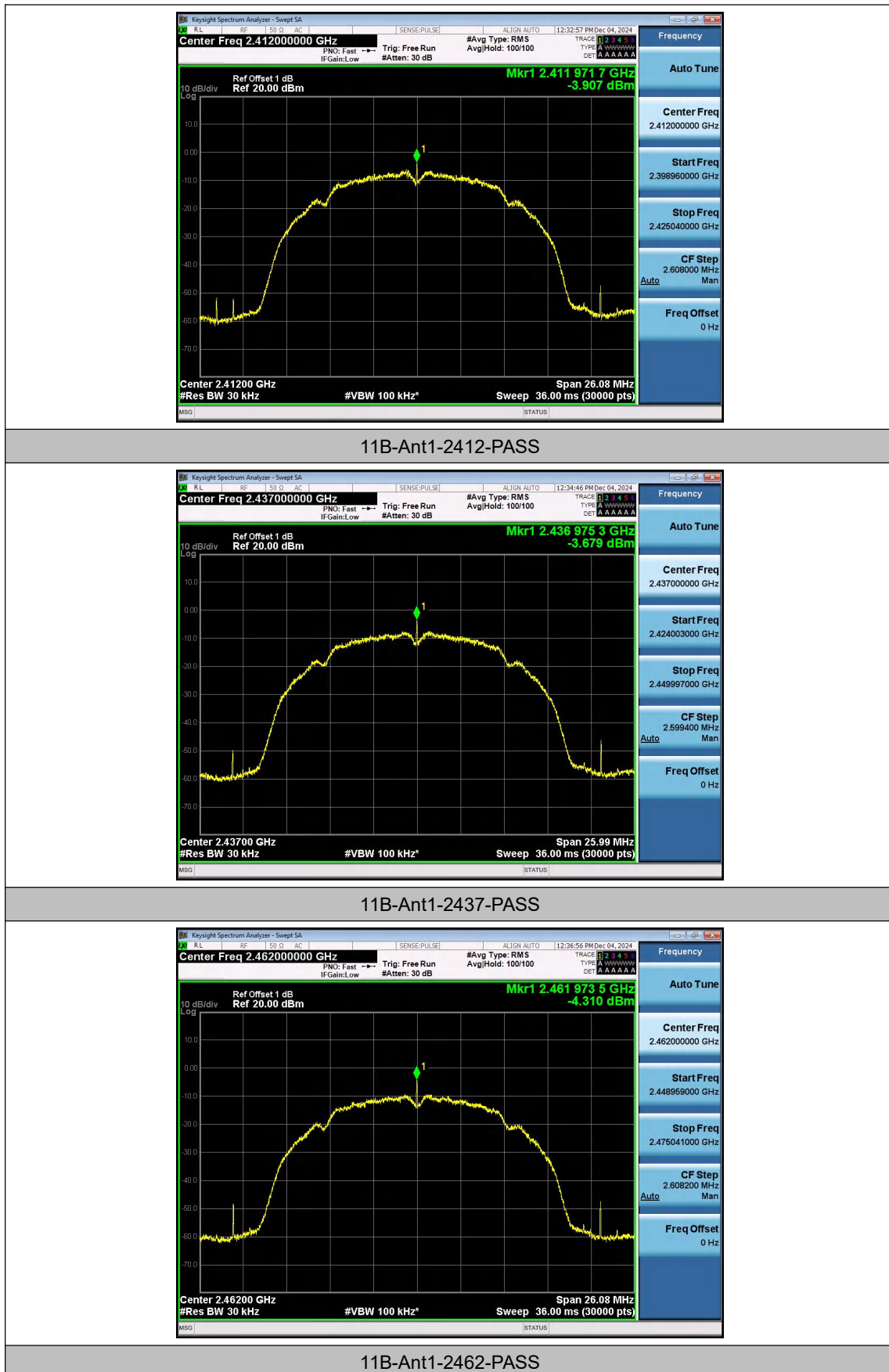
Test Mode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-3.91	-13.91	0.00	-13.91	≤8.00	PASS
11B	Ant1	2437	-3.68	-13.68	0.00	-13.68	≤8.00	PASS
11B	Ant1	2462	-4.31	-14.31	0.00	-14.31	≤8.00	PASS
11G	Ant1	2412	-4.47	-14.47	0.02	-14.45	≤8.00	PASS
11G	Ant1	2437	-4.16	-14.16	0.03	-14.13	≤8.00	PASS
11G	Ant1	2462	-4.19	-14.19	0.02	-14.17	≤8.00	PASS
11N20SISO	Ant1	2412	-4.35	-14.35	0.03	-14.32	≤8.00	PASS
11N20SISO	Ant1	2437	-2.68	-12.68	0.03	-12.65	≤8.00	PASS
11N20SISO	Ant1	2462	-1.65	-11.65	0.03	-11.62	≤8.00	PASS
11N40SISO	Ant1	2422	-3.21	-13.21	0.05	-13.16	≤8.00	PASS
11N40SISO	Ant1	2437	-2.59	-12.59	0.03	-12.56	≤8.00	PASS
11N40SISO	Ant1	2452	-3.21	-13.21	0.05	-13.16	≤8.00	PASS

Note:

1. The cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$



Test Graphs

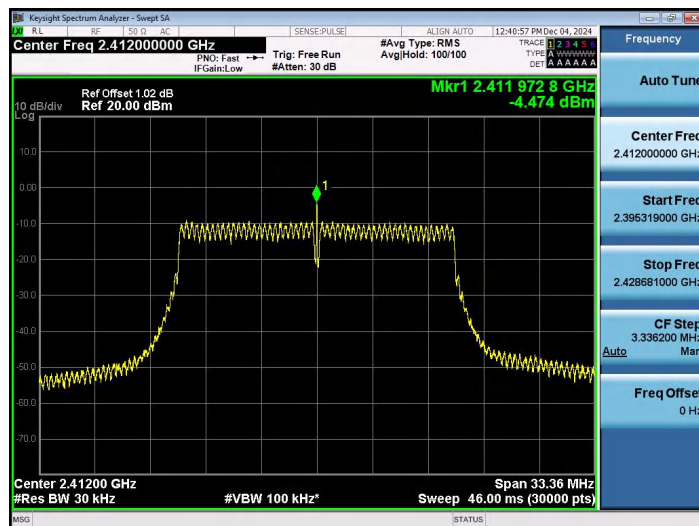


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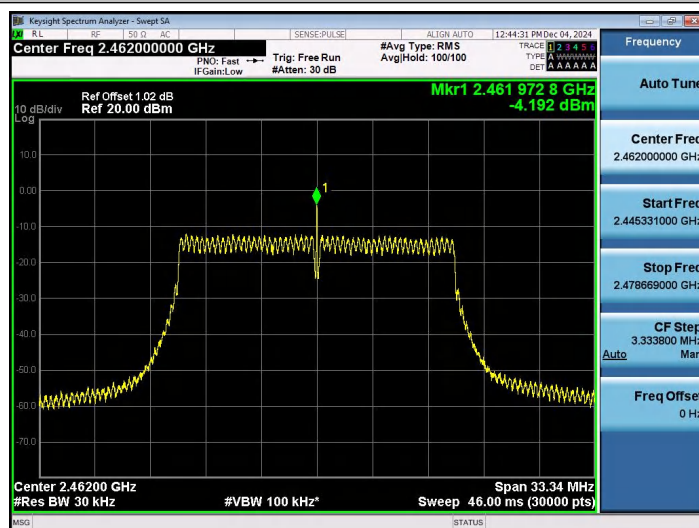




11G-Ant1-2412-PASS

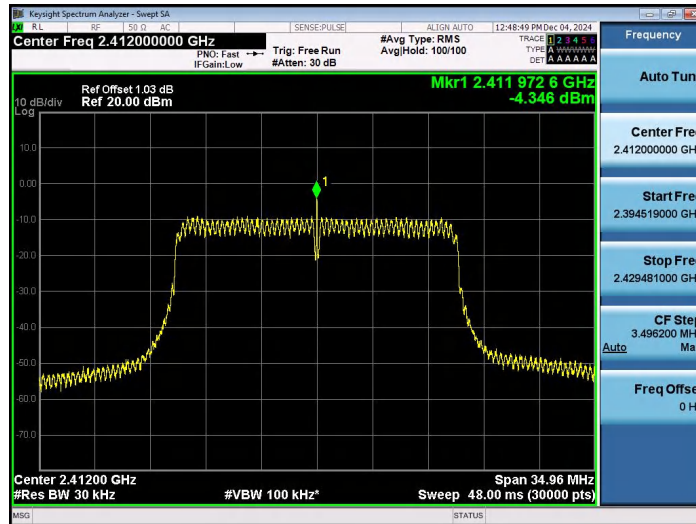


11G-Ant1-2437-PASS

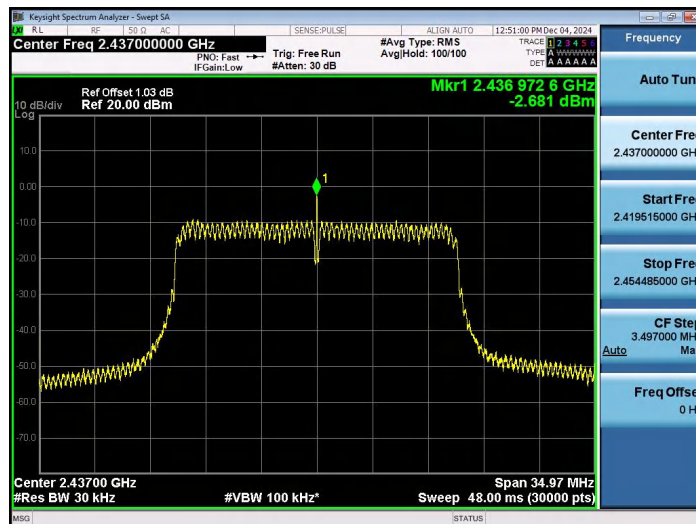


11G-Ant1-2462-PASS

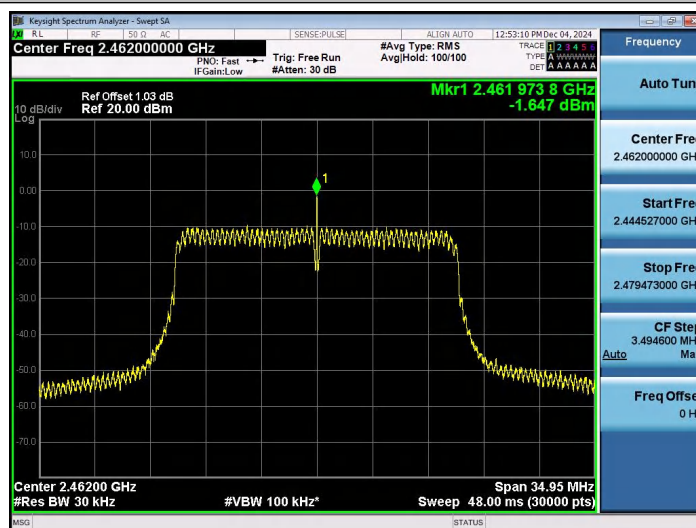




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS

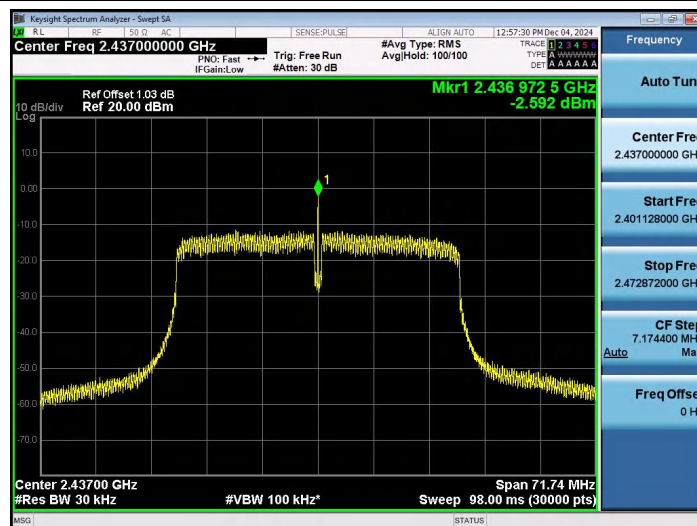


11N20SISO-Ant1-2462-PASS

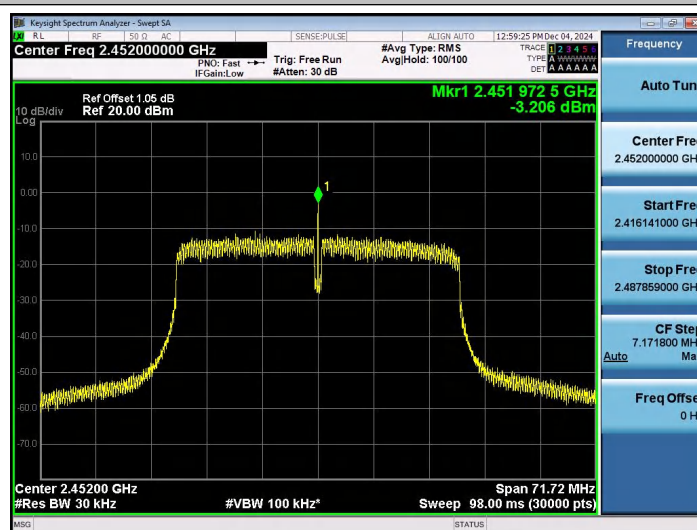




11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



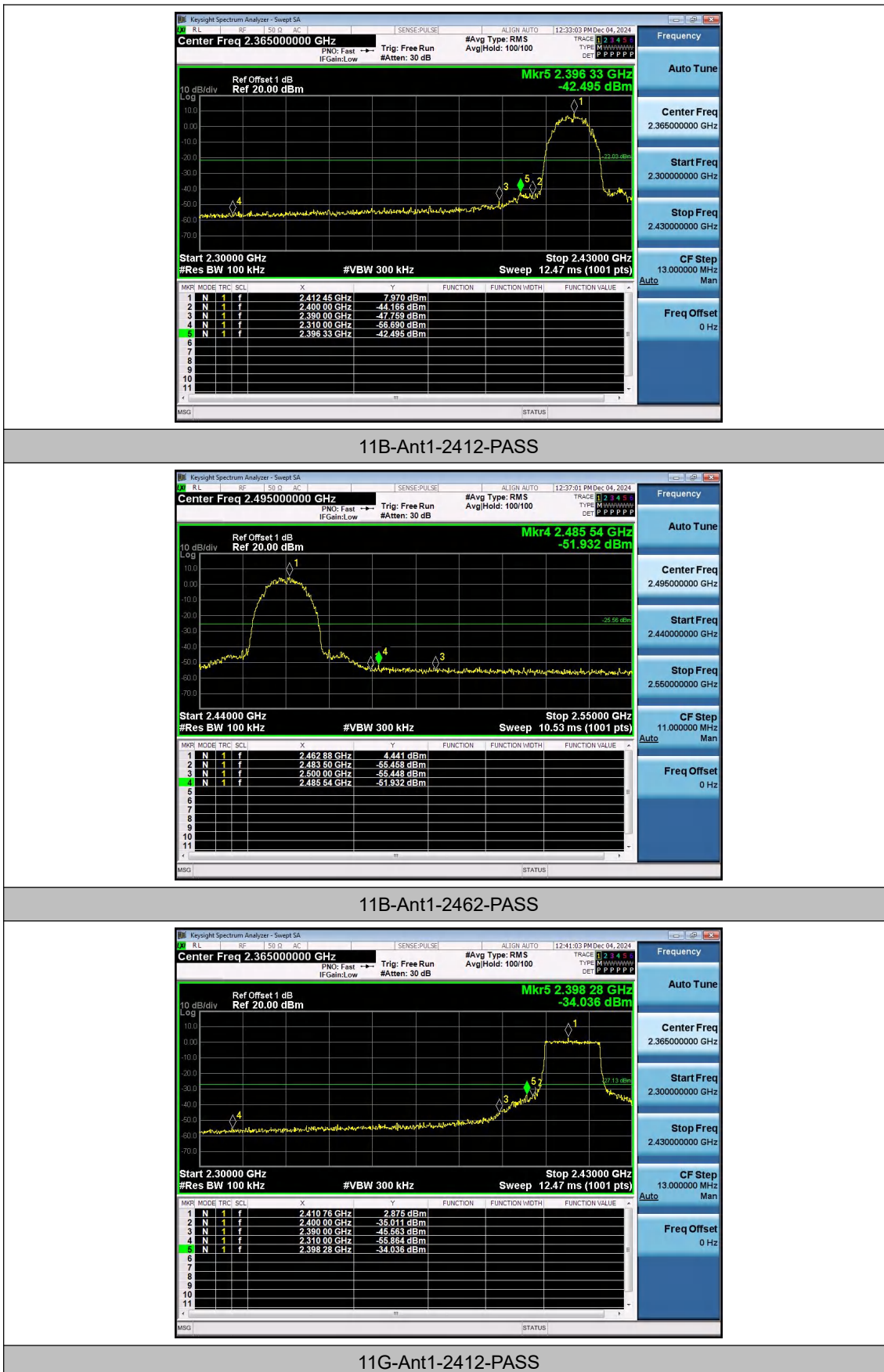
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.97	-42.5	≤-22.03	PASS
11B	Ant1	High	2462	4.44	-51.93	≤-25.56	PASS
11G	Ant1	Low	2412	2.88	-34.04	≤-27.13	PASS
11G	Ant1	High	2462	1.44	-47.66	≤-28.56	PASS
11N20SISO	Ant1	Low	2412	4.33	-37.19	≤-25.67	PASS
11N20SISO	Ant1	High	2462	4.13	-43.29	≤-25.87	PASS
11N40SISO	Ant1	Low	2422	1.76	-35.42	≤-28.24	PASS
11N40SISO	Ant1	High	2452	1.22	-38.38	≤-28.78	PASS



Test Graphs



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