

Appendix Test Data

Report No.:	1812C40097512502	Test Sample No.:	1-2-2
Start Test Date:	2024-12-04	Finish Test Date:	2025-07-22
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3°C	Relative Humidity:	49%
Pressure:	101kPa		

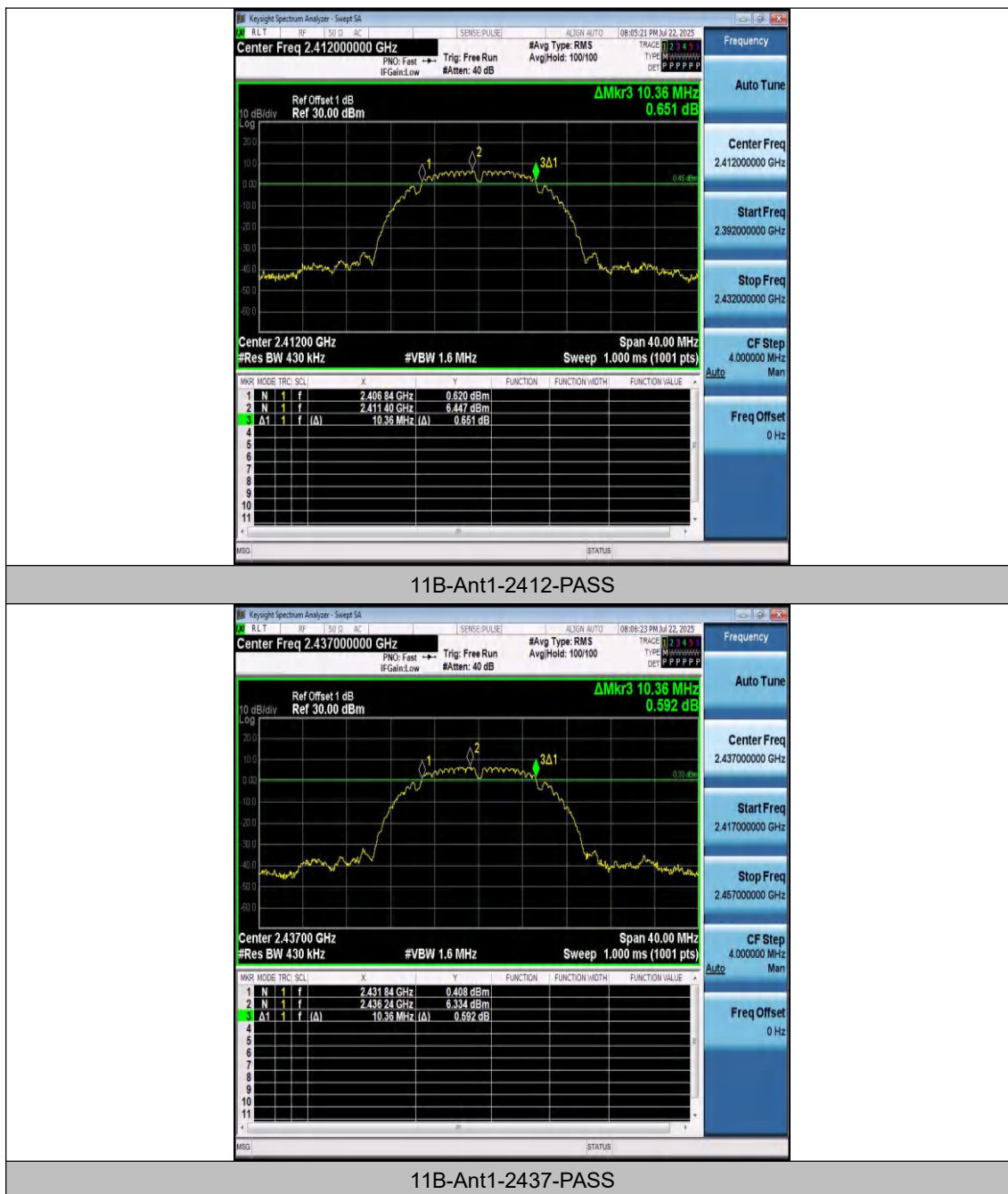
Appendix A: 6dB Bandwidth

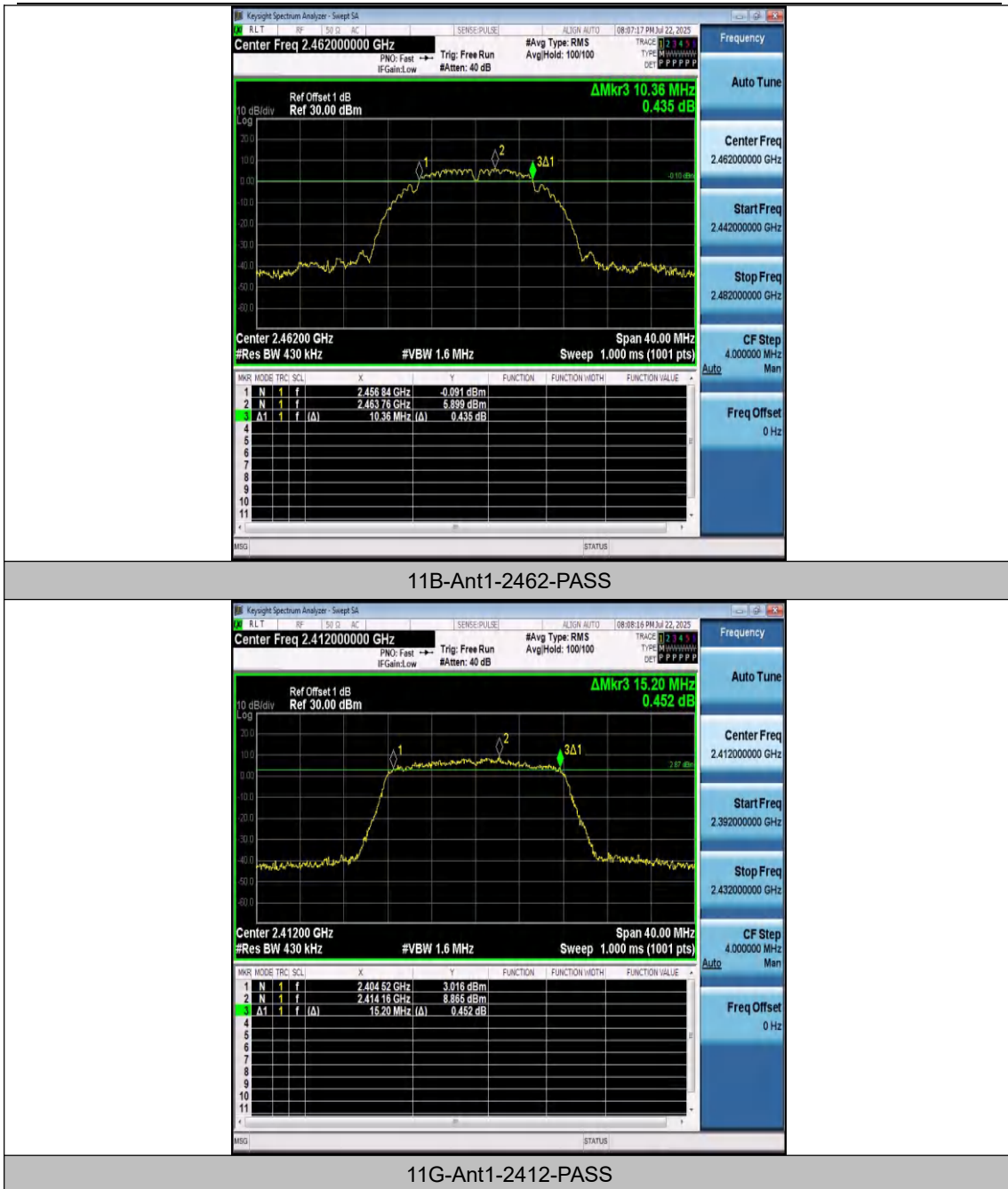
Test Result

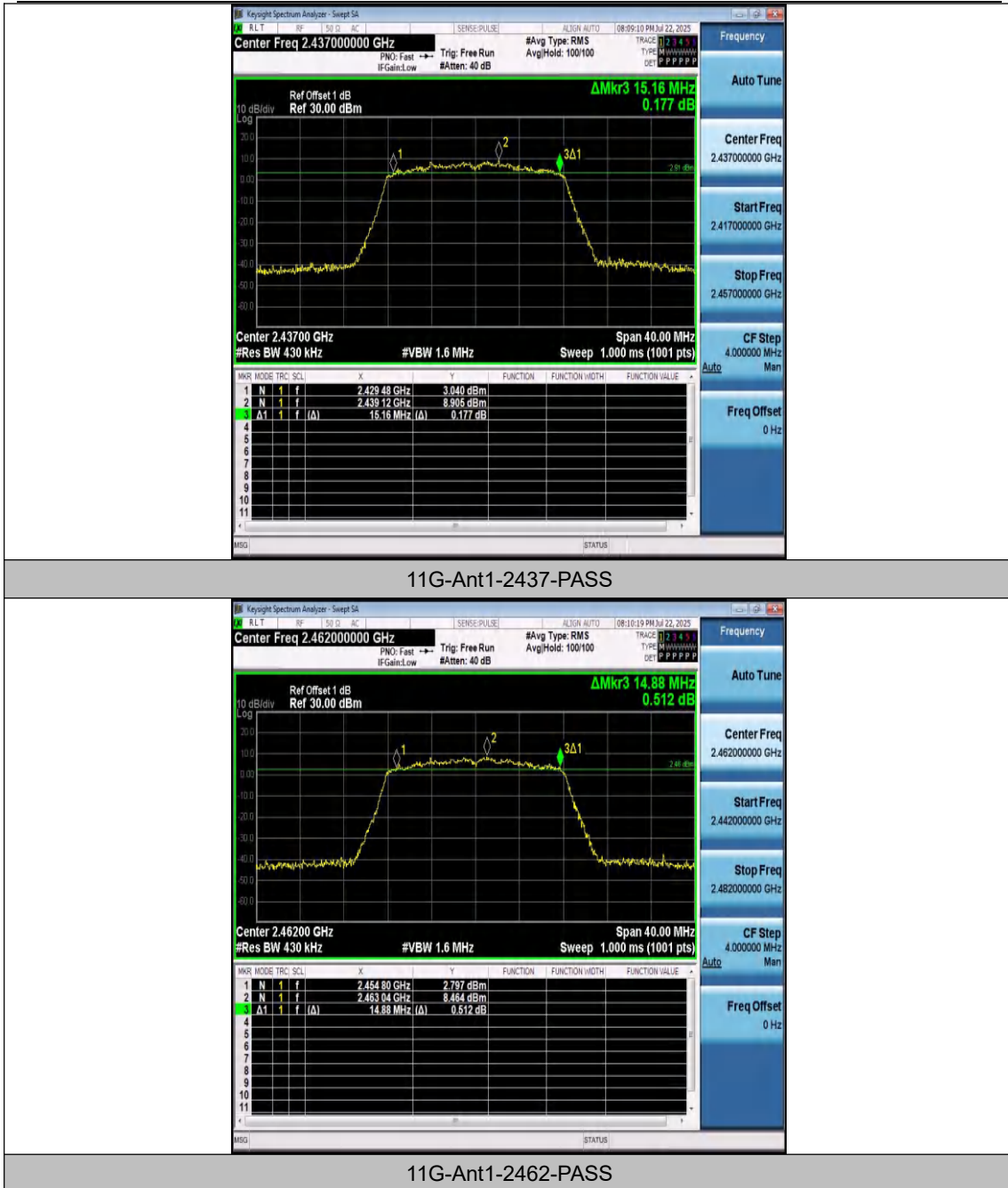
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.360	2406.840	2417.200	0.5	PASS
11B	Ant1	2437	10.360	2431.840	2442.200	0.5	PASS
11B	Ant1	2462	10.360	2456.840	2467.200	0.5	PASS
11G	Ant1	2412	15.200	2404.520	2419.720	0.5	PASS
11G	Ant1	2437	15.160	2429.480	2444.640	0.5	PASS
11G	Ant1	2462	14.880	2454.800	2469.680	0.5	PASS
11N20SISO	Ant1	2412	16.080	2403.840	2419.920	0.5	PASS
11N20SISO	Ant1	2437	15.800	2428.920	2444.720	0.5	PASS
11N20SISO	Ant1	2462	16.160	2453.920	2470.080	0.5	PASS
11N40SISO	Ant1	2422	35.600	2404.080	2439.680	0.5	PASS
11N40SISO	Ant1	2437	35.680	2419.080	2454.760	0.5	PASS
11N40SISO	Ant1	2452	35.680	2434.080	2469.760	0.5	PASS

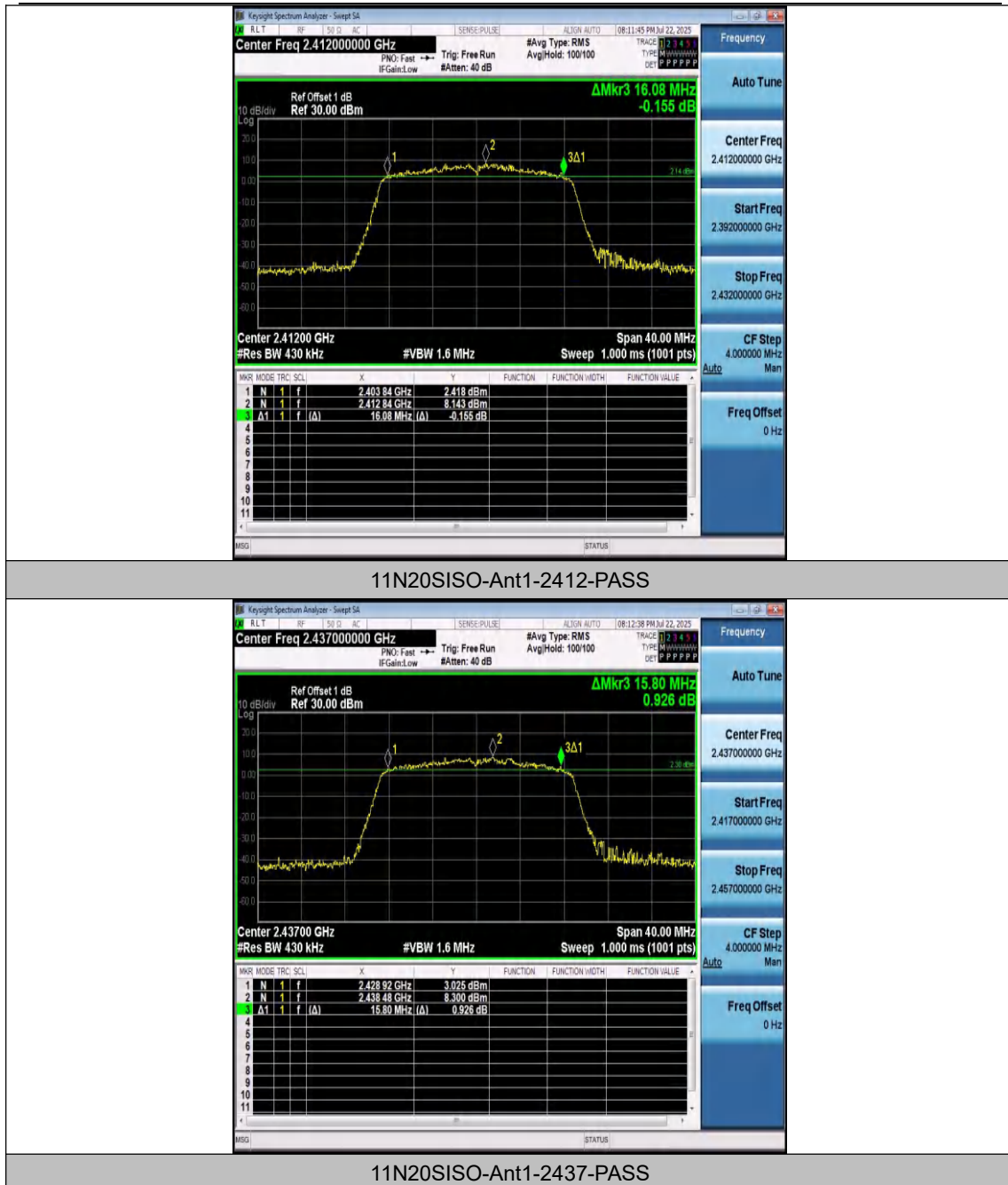


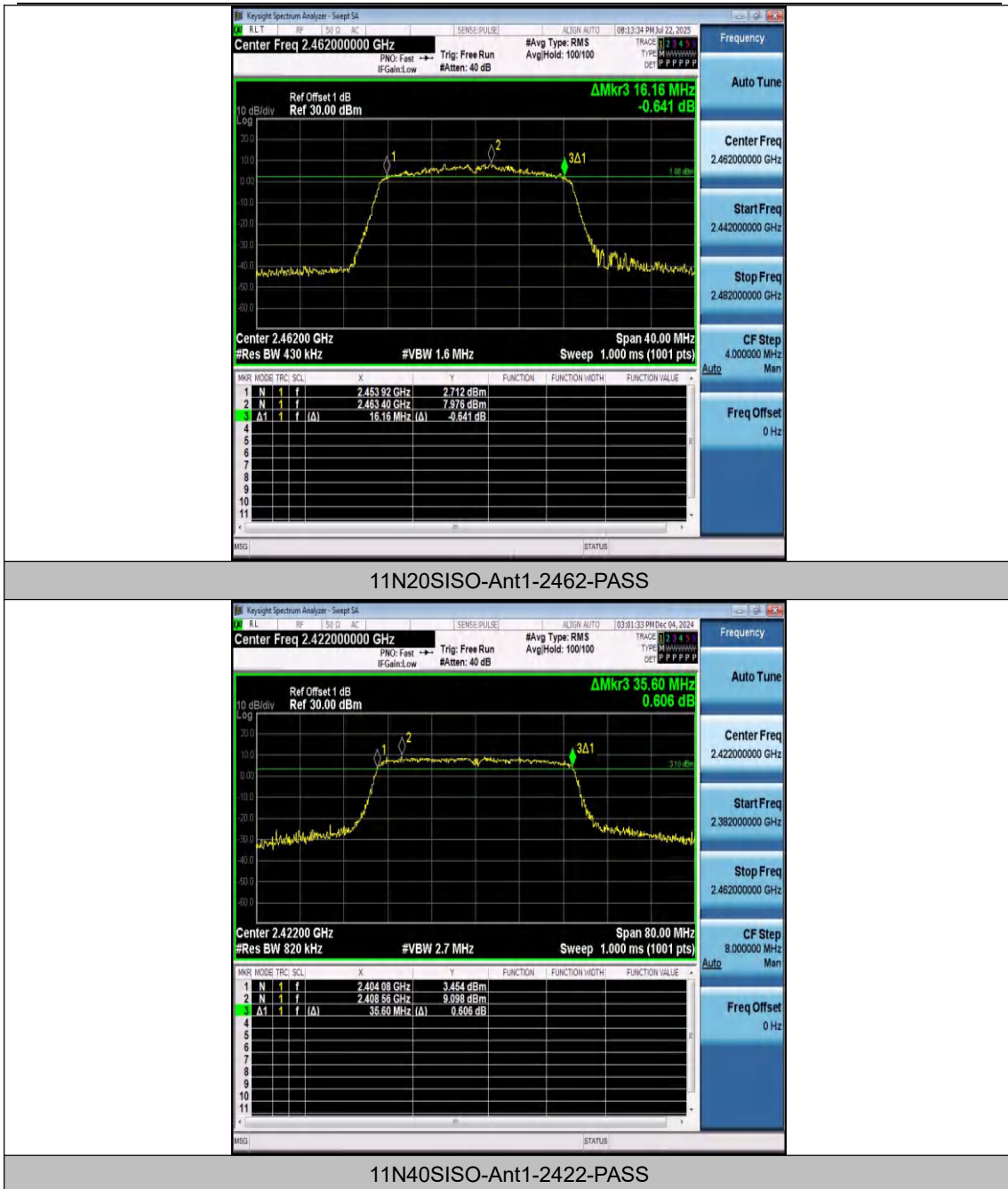
Test Graphs

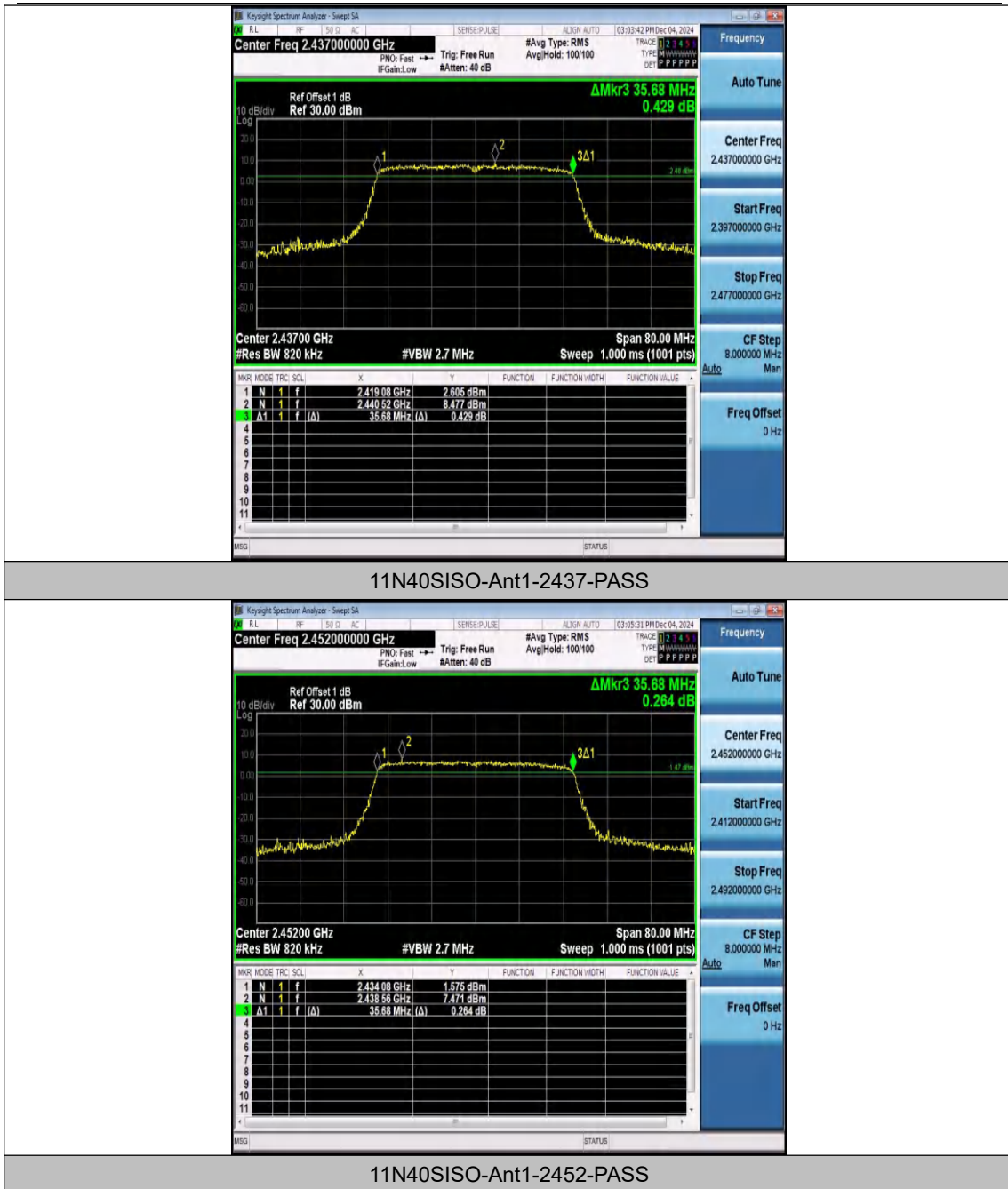












Appendix B: Maximum conducted output power

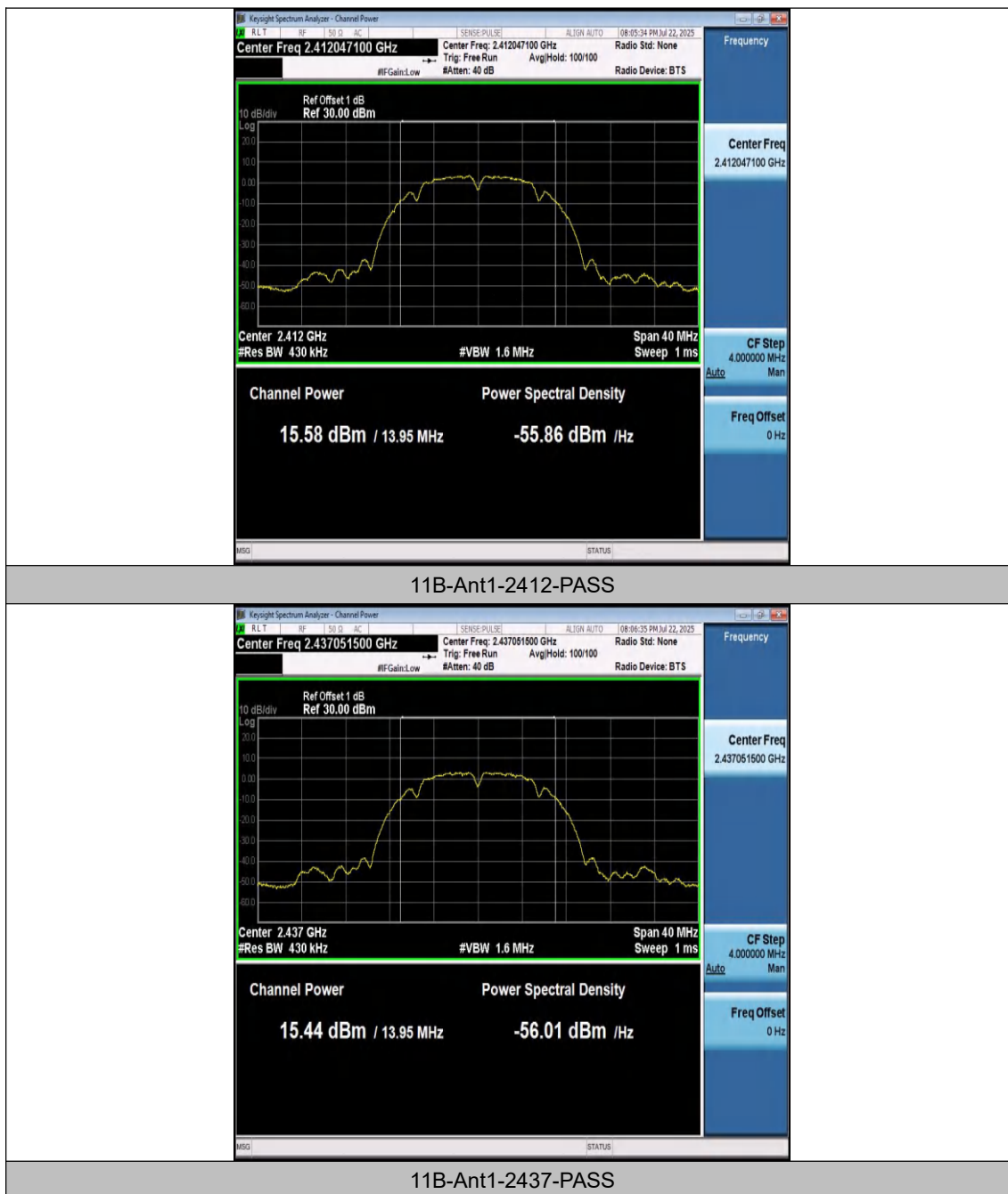
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.58	100.00	0.00	15.58	≤30.0 0	PASS
11B	Ant1	2437	15.44	100.00	0.00	15.44	≤30.0 0	PASS
11B	Ant1	2462	14.84	100.00	0.00	14.84	≤30.0 0	PASS
11G	Ant1	2412	15.11	100.00	0.00	15.11	≤30.0 0	PASS
11G	Ant1	2437	15.20	100.00	0.00	15.20	≤30.0 0	PASS
11G	Ant1	2462	14.89	100.00	0.00	14.89	≤30.0 0	PASS
11N20SI SO	Ant1	2412	14.89	100.00	0.00	14.89	≤30.0 0	PASS
11N20SI SO	Ant1	2437	15.03	100.00	0.00	15.03	≤30.0 0	PASS
11N20SI SO	Ant1	2462	14.70	100.00	0.00	14.70	≤30.0 0	PASS
11N40SI SO	Ant1	2422	15.39	98.80	0.05	15.44	≤30.0 0	PASS
11N40SI SO	Ant1	2437	15.65	98.80	0.05	15.70	≤30.0 0	PASS
11N40SI SO	Ant1	2452	14.77	98.80	0.05	14.82	≤30.0 0	PASS

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



Test Graphs Average



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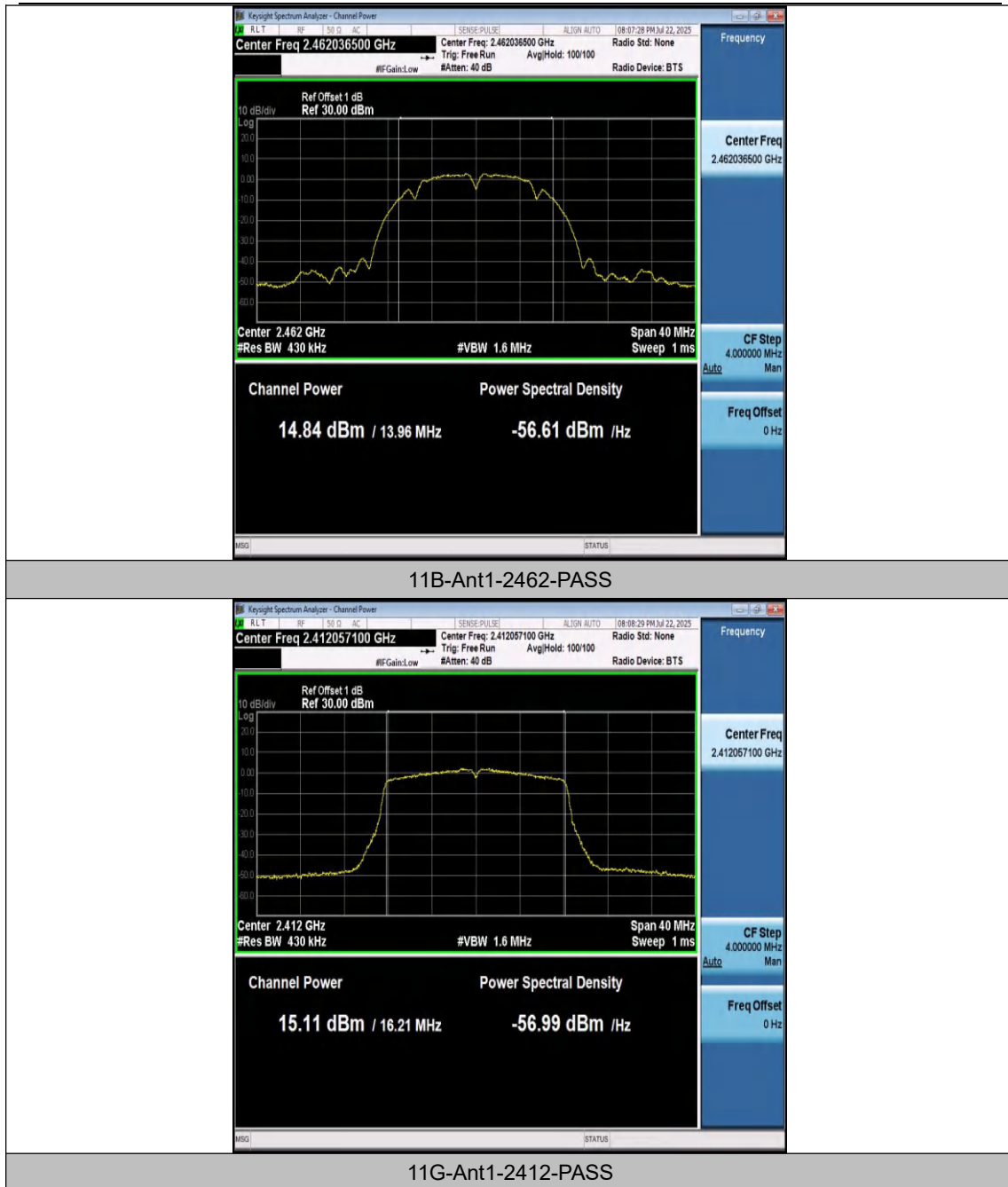
Tel: (86) 0755-26066440 Email: service@anbotech.com

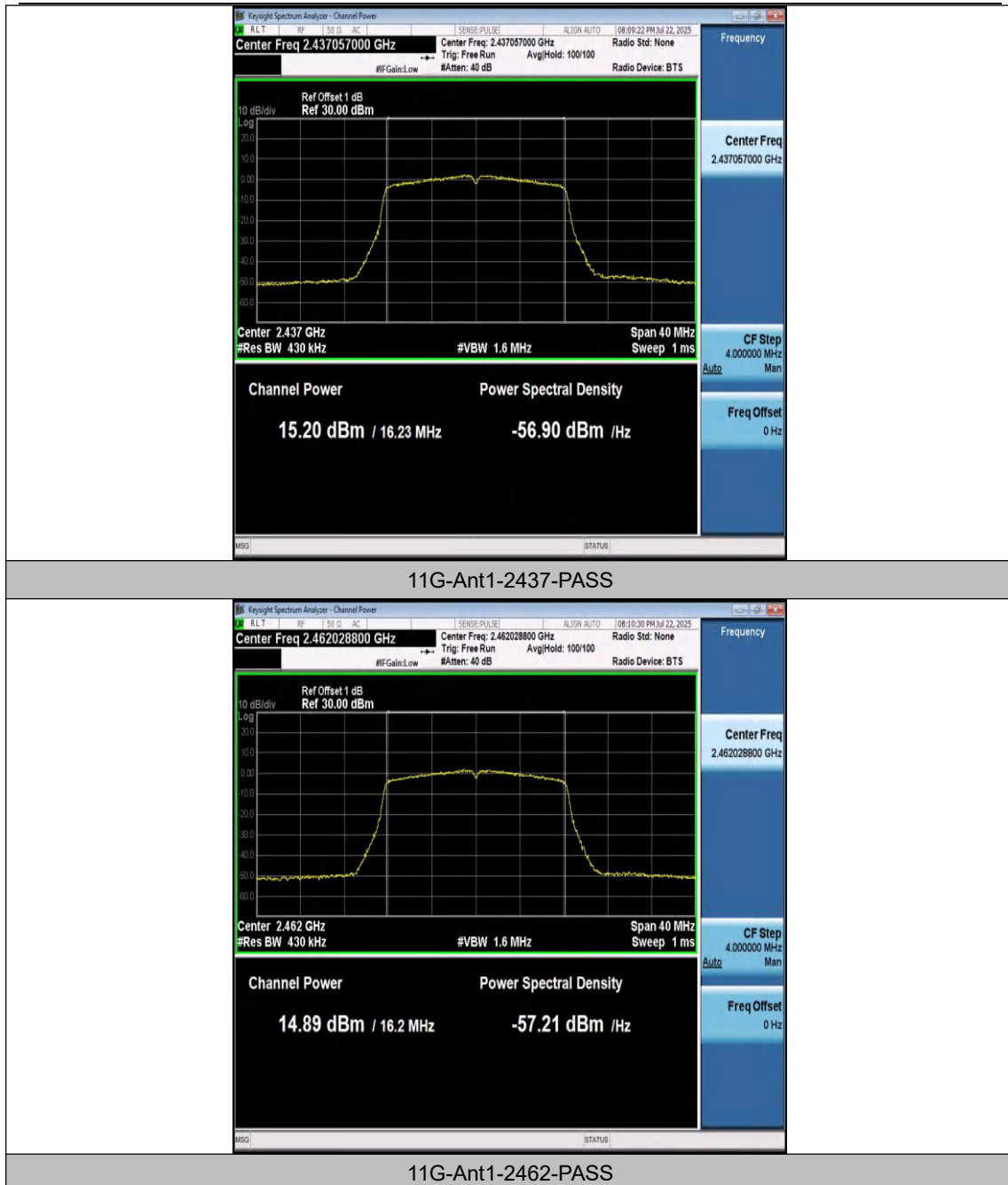


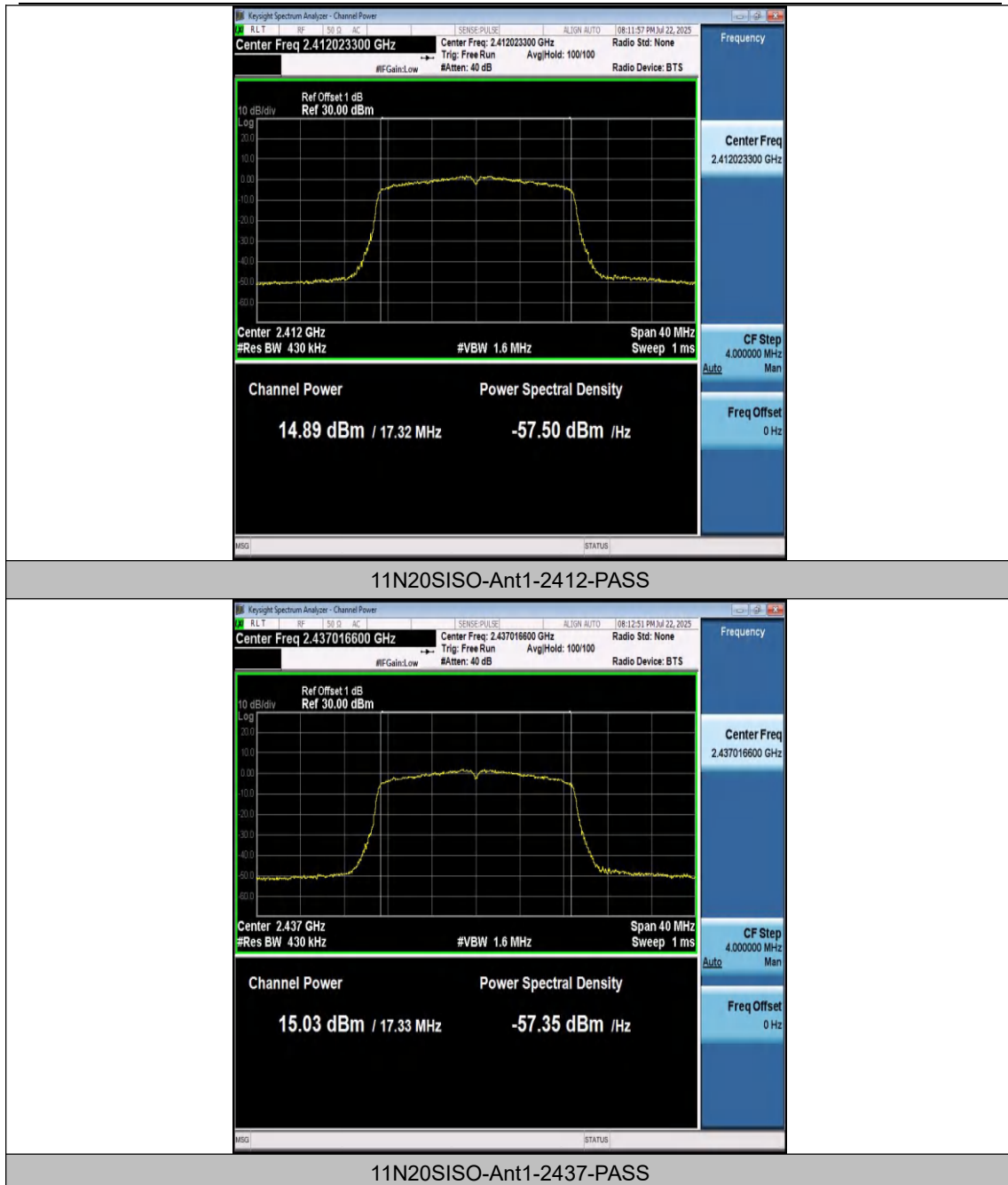
Hotline
400-003-0500

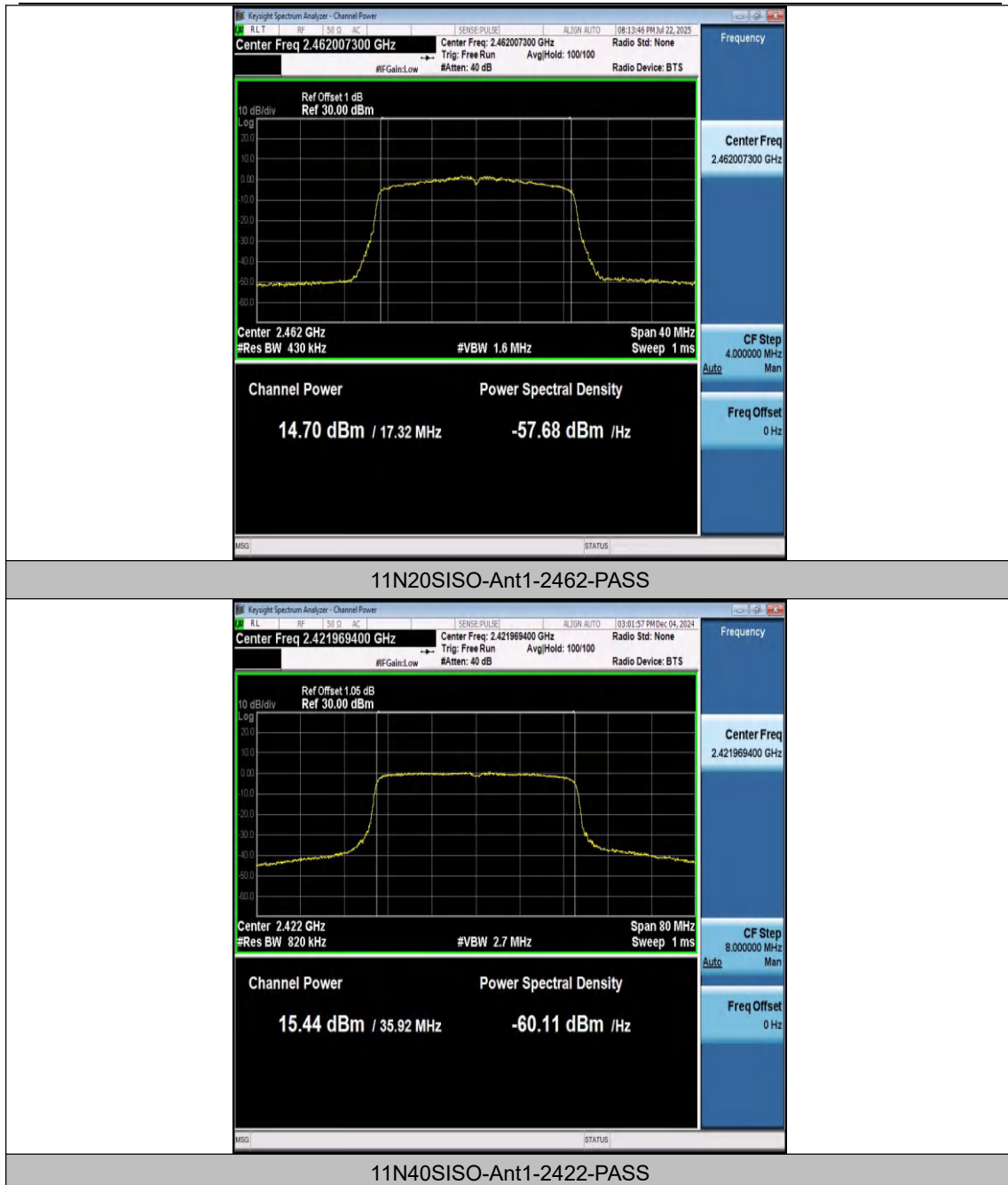
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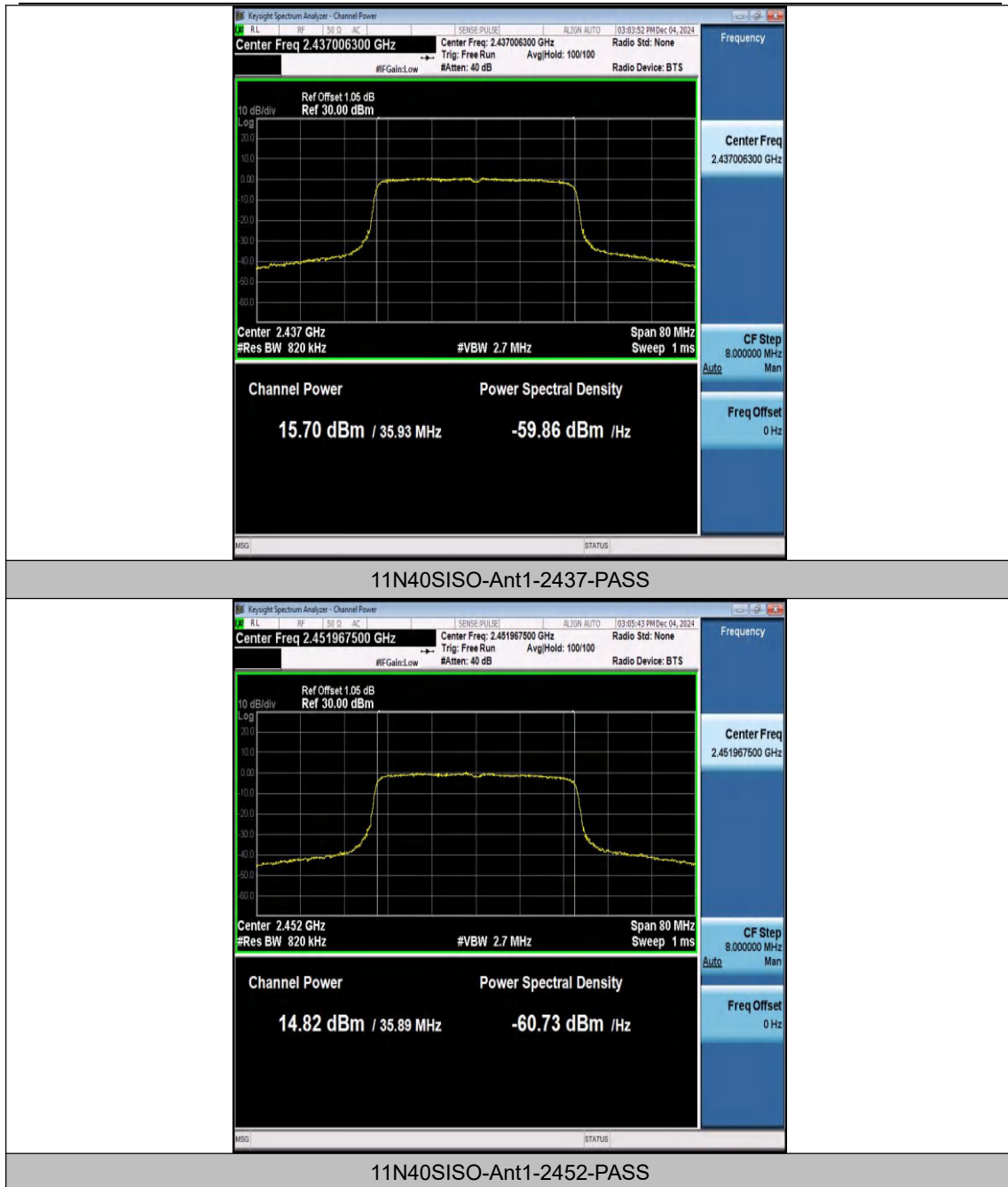












Appendix C: Maximum power spectral density

Test Result

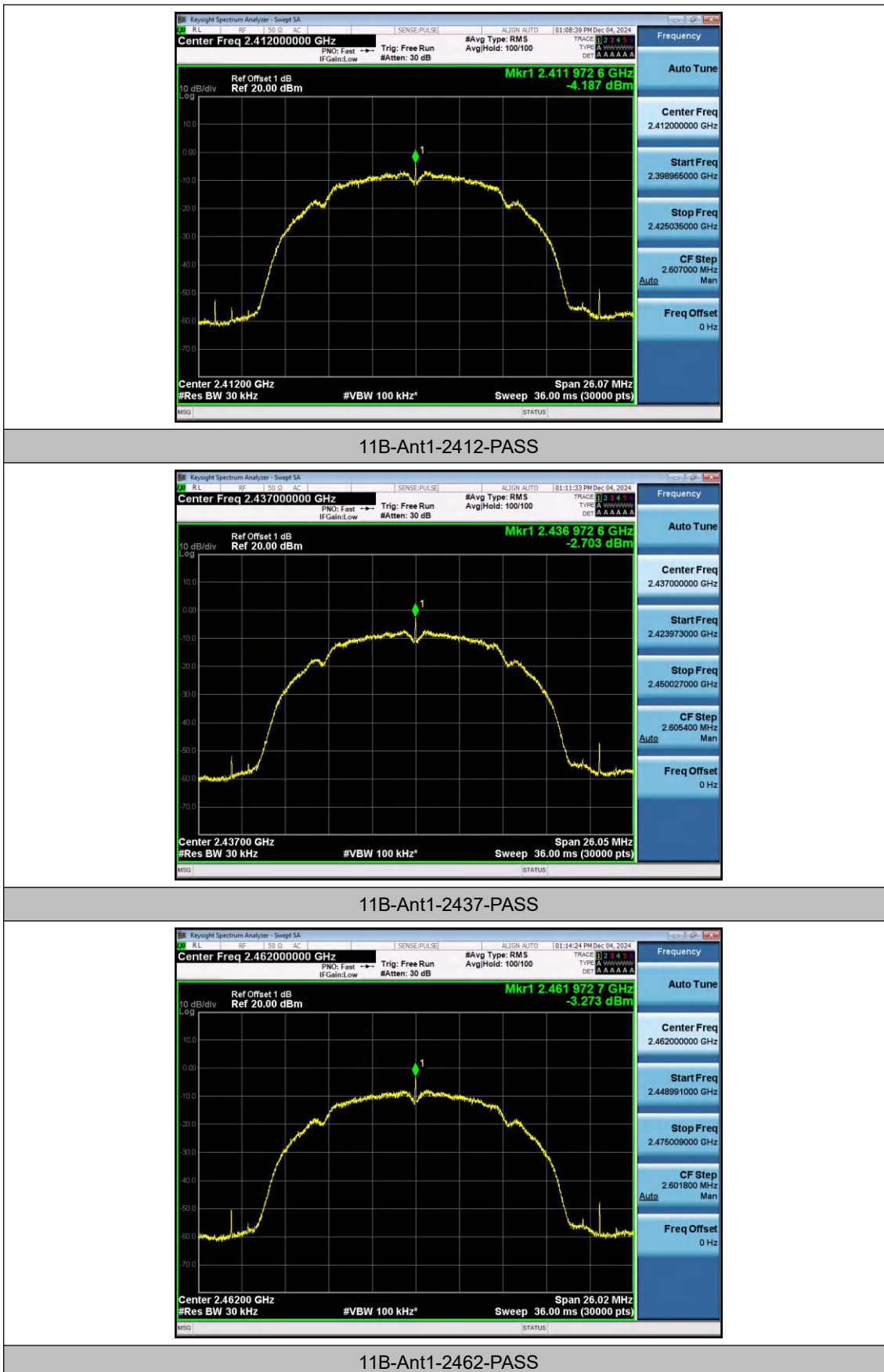
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	DC Factor [dB]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.19	-14.19	0.00	-14.19	≤8.00	PASS
11B	Ant1	2437	-2.70	-12.7	0.00	-12.70	≤8.00	PASS
11B	Ant1	2462	-3.27	-13.27	0.00	-13.27	≤8.00	PASS
11G	Ant1	2412	-4.62	-14.62	0.02	-14.60	≤8.00	PASS
11G	Ant1	2437	-3.13	-13.13	0.02	-13.11	≤8.00	PASS
11G	Ant1	2462	-2.21	-12.21	0.02	-12.19	≤8.00	PASS
11N20S ISO	Ant1	2412	-4.82	-14.82	0.03	-14.79	≤8.00	PASS
11N20S ISO	Ant1	2437	-2.72	-12.72	0.03	-12.69	≤8.00	PASS
11N20S ISO	Ant1	2462	-2.00	-12	0.02	-11.98	≤8.00	PASS
11N40S ISO	Ant1	2422	-3.12	-13.12	0.05	-13.07	≤8.00	PASS
11N40S ISO	Ant1	2437	-3.35	-13.35	0.05	-13.30	≤8.00	PASS
11N40S ISO	Ant1	2452	-3.41	-13.41	0.05	-13.36	≤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



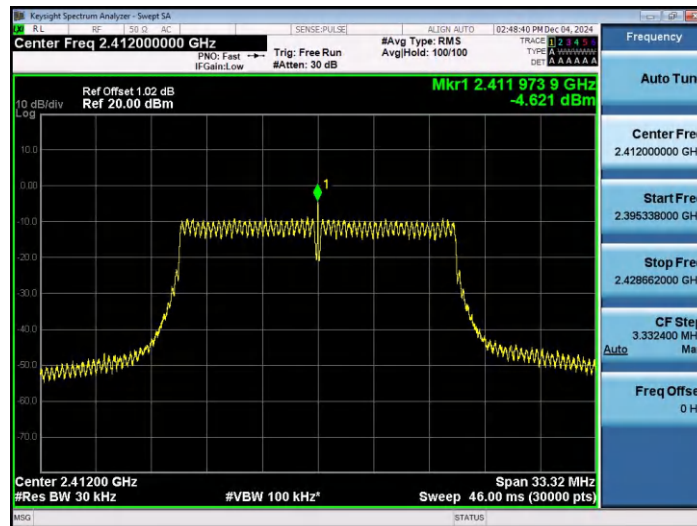
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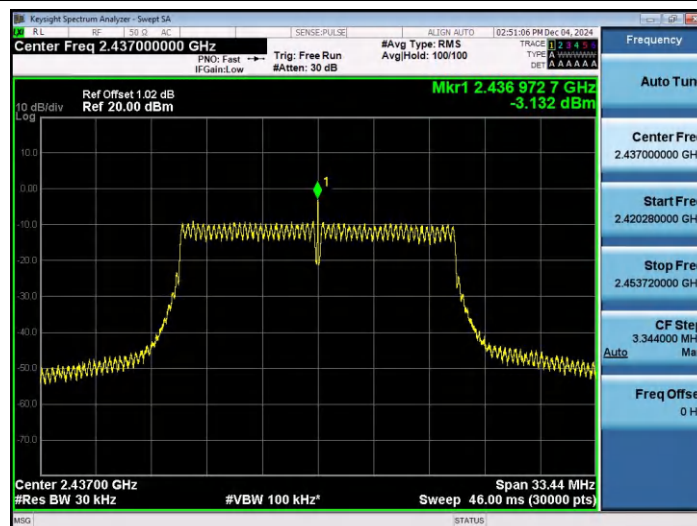


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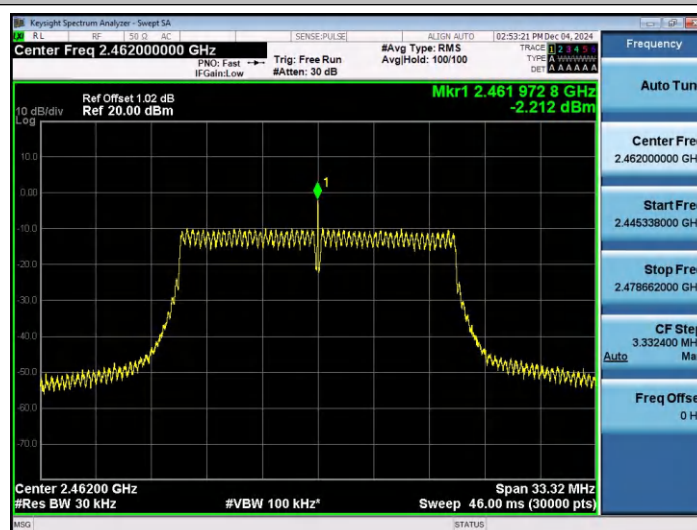




11G-Ant1-2412-PASS

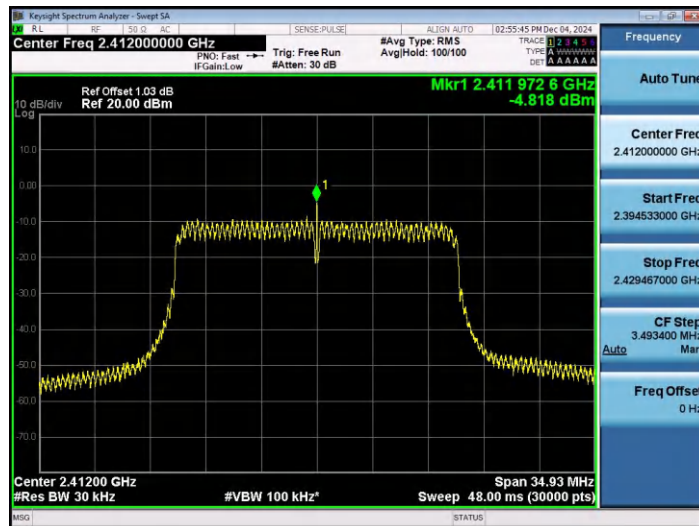


11G-Ant1-2437-PASS

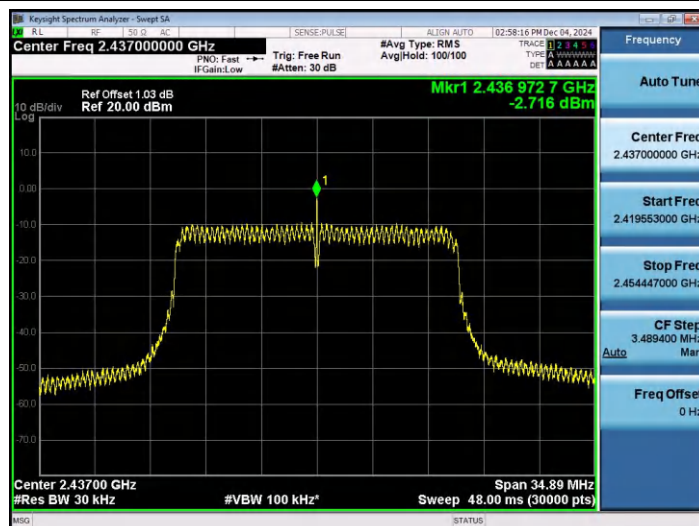


11G-Ant1-2462-PASS

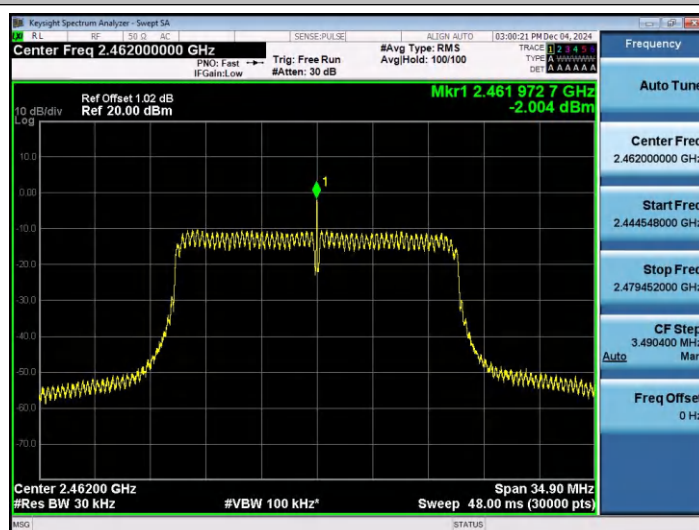




11N20SISO-Ant1-2412-PASS

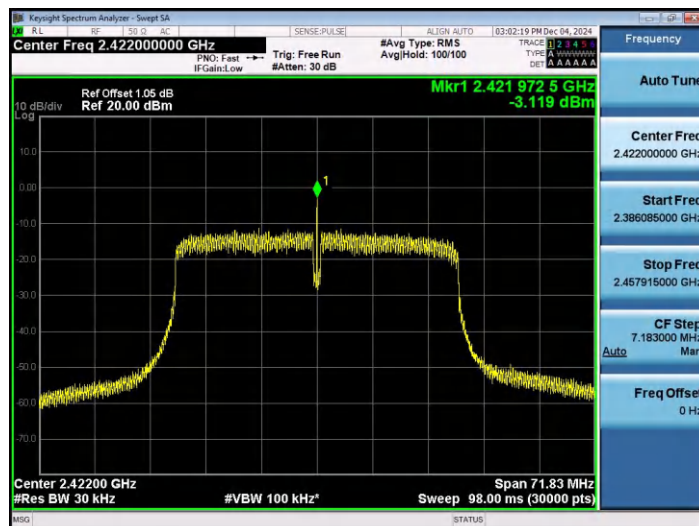


11N20SISO-Ant1-2437-PASS

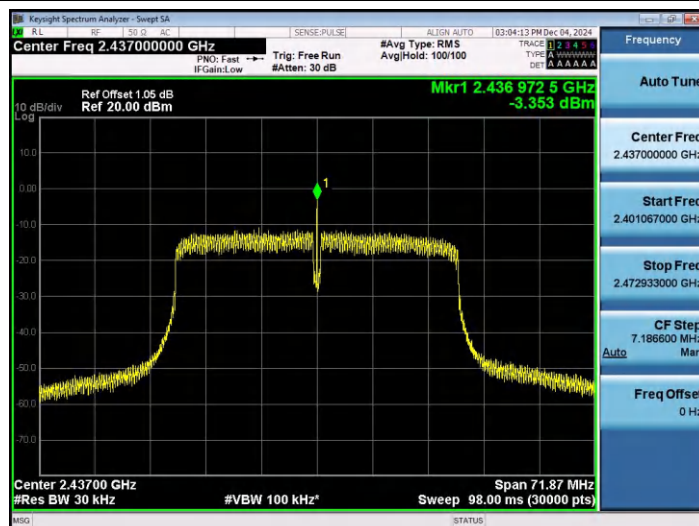


11N20SISO-Ant1-2462-PASS

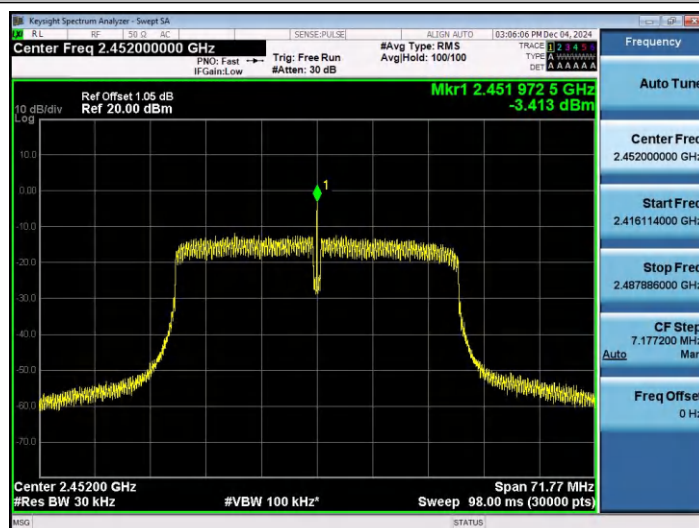




11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



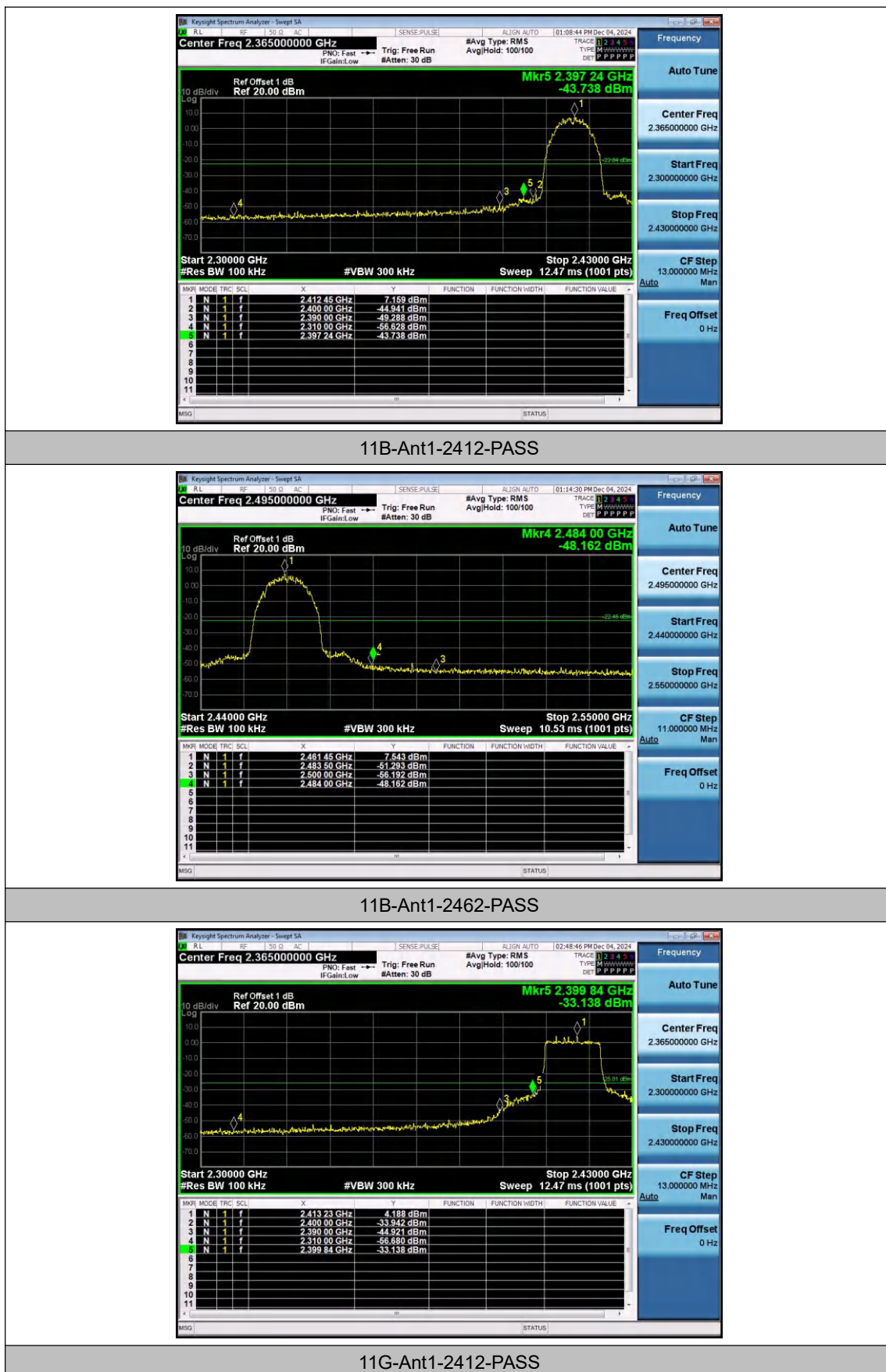
Appendix D: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.16	-43.74	≤-22.84	PASS
11B	Ant1	High	2462	7.54	-48.16	≤-22.46	PASS
11G	Ant1	Low	2412	4.19	-33.14	≤-25.81	PASS
11G	Ant1	High	2462	2.59	-43.35	≤-27.41	PASS
11N20SISO	Ant1	Low	2412	4.46	-36.11	≤-25.54	PASS
11N20SISO	Ant1	High	2462	2.78	-43.89	≤-27.22	PASS
11N40SISO	Ant1	Low	2422	1.41	-35.04	≤-28.59	PASS
11N40SISO	Ant1	High	2452	0.50	-38.67	≤-29.5	PASS



Test Graphs

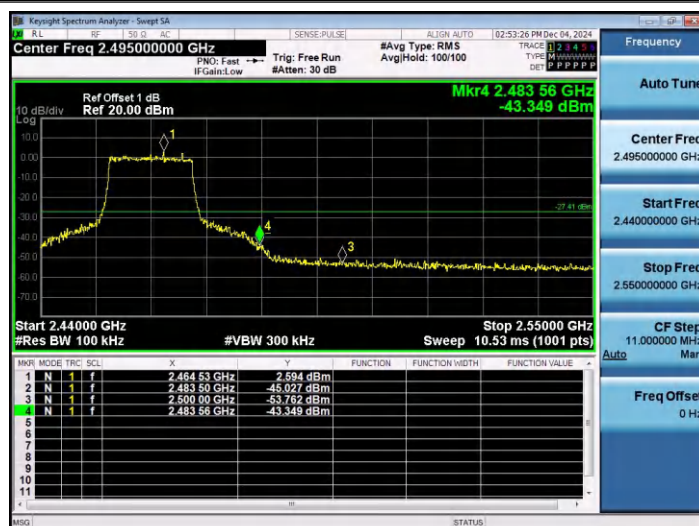


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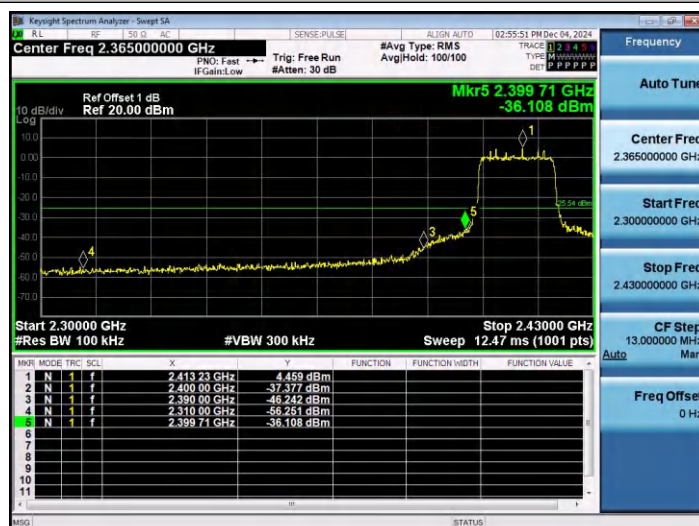
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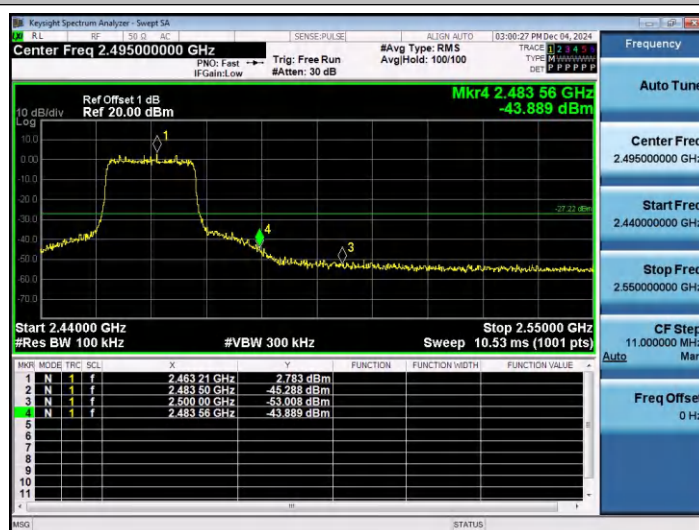




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS





11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS



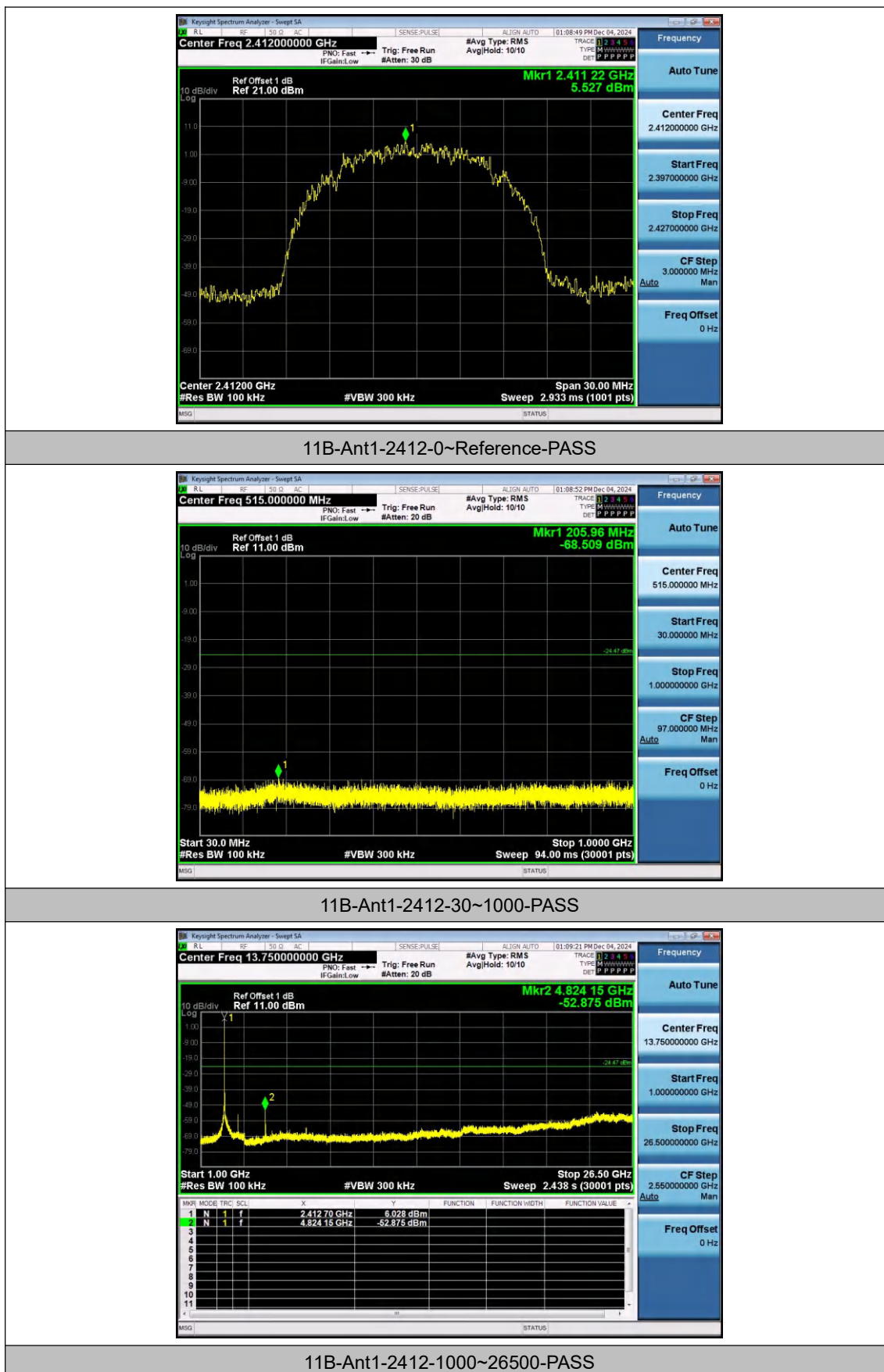
Appendix E: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.53	5.53	---	PASS
11B	Ant1	2412	30~1000	5.53	-68.51	≤-24.47	PASS
11B	Ant1	2412	1000~26500	5.53	-52.88	≤-24.47	PASS
11B	Ant1	2437	0~Reference	5.43	5.43	---	PASS
11B	Ant1	2437	30~1000	5.43	-67.9	≤-24.57	PASS
11B	Ant1	2437	1000~26500	5.43	-51.27	≤-24.57	PASS
11B	Ant1	2462	0~Reference	5.67	5.67	---	PASS
11B	Ant1	2462	30~1000	5.67	-67.63	≤-24.33	PASS
11B	Ant1	2462	1000~26500	5.67	-52.04	≤-24.33	PASS
11G	Ant1	2412	0~Reference	1.14	1.14	---	PASS
11G	Ant1	2412	30~1000	1.14	-68.44	≤-28.86	PASS
11G	Ant1	2412	1000~26500	1.14	-53.76	≤-28.86	PASS
11G	Ant1	2437	0~Reference	0.69	0.69	---	PASS
11G	Ant1	2437	30~1000	0.69	-67.92	≤-29.31	PASS
11G	Ant1	2437	1000~26500	0.69	-52.99	≤-29.31	PASS
11G	Ant1	2462	0~Reference	2.80	2.80	---	PASS
11G	Ant1	2462	30~1000	2.80	-68.08	≤-27.2	PASS
11G	Ant1	2462	1000~26500	2.80	-51.99	≤-27.2	PASS
11N20SISO	Ant1	2412	0~Reference	3.07	3.07	---	PASS
11N20SISO	Ant1	2412	30~1000	3.07	-67.68	≤-26.93	PASS
11N20SISO	Ant1	2412	1000~26500	3.07	-53.44	≤-26.93	PASS
11N20SISO	Ant1	2437	0~Reference	1.87	1.87	---	PASS
11N20SISO	Ant1	2437	30~1000	1.87	-67	≤-28.13	PASS
11N20SISO	Ant1	2437	1000~26500	1.87	-53.23	≤-28.13	PASS
11N20SISO	Ant1	2462	0~Reference	2.01	2.01	---	PASS
11N20SISO	Ant1	2462	30~1000	2.01	-67.29	≤-27.99	PASS
11N20SISO	Ant1	2462	1000~26500	2.01	-52.44	≤-27.99	PASS
11N40SISO	Ant1	2422	0~Reference	-1.55	-1.55	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.55	-57.88	≤-31.55	PASS
11N40SISO	Ant1	2422	1000~26500	-1.55	-53.69	≤-31.55	PASS
11N40SISO	Ant1	2437	0~Reference	1.19	1.19	---	PASS
11N40SISO	Ant1	2437	30~1000	1.19	-61.16	≤-28.81	PASS
11N40SISO	Ant1	2437	1000~26500	1.19	-53.02	≤-28.81	PASS
11N40SISO	Ant1	2452	0~Reference	-1.70	-1.70	---	PASS
11N40SISO	Ant1	2452	30~1000	-1.70	-57.89	≤-31.7	PASS
11N40SISO	Ant1	2452	1000~26500	-1.70	-52.89	≤-31.7	PASS



Test Graphs



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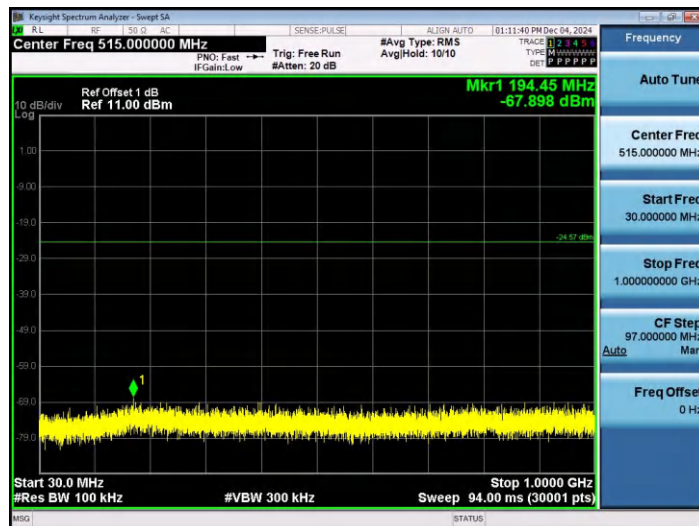
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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Tel: (86) 0755-26066440 Email: service@anbotek.com

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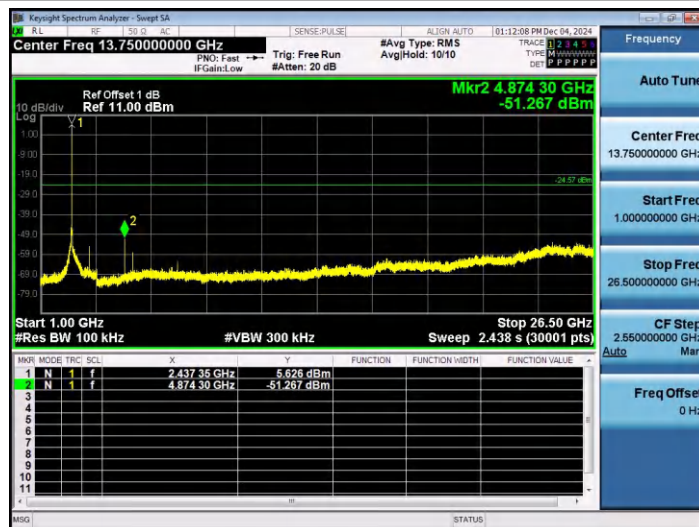




11B-Ant1-2437-0~Reference-PASS

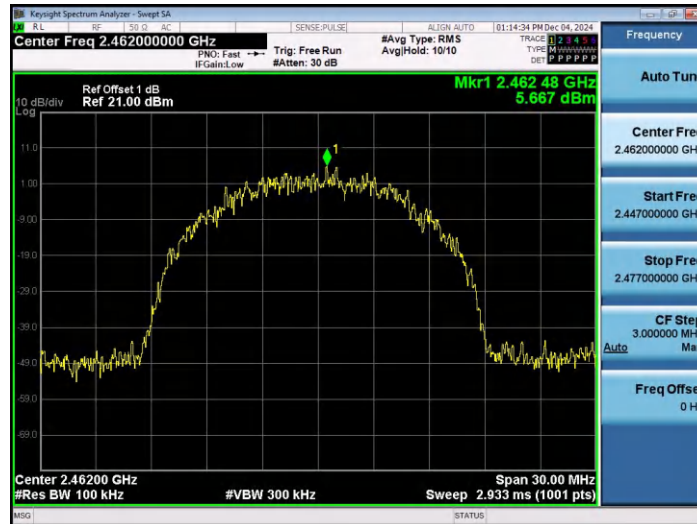


11B-Ant1-2437-30~1000-PASS

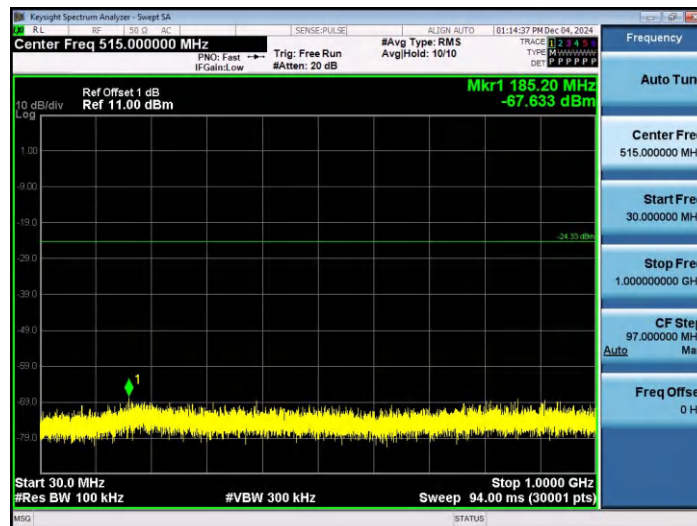


11B-Ant1-2437-1000~26500-PASS

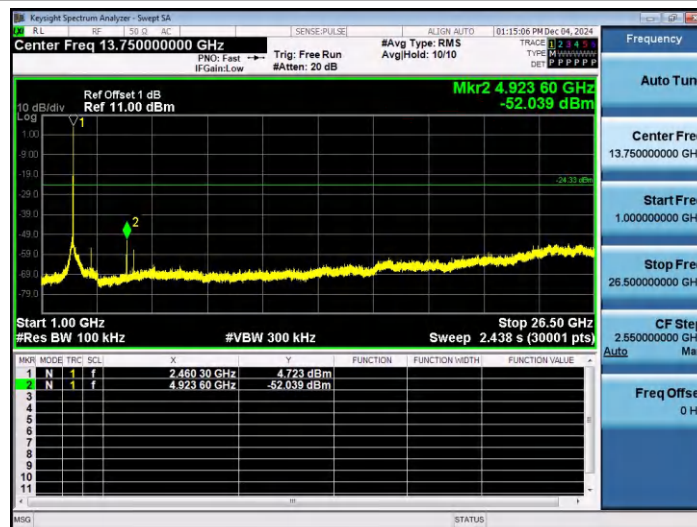




11B-Ant1-2462-0~Reference-PASS



11B-Ant1-2462-30~1000-PASS

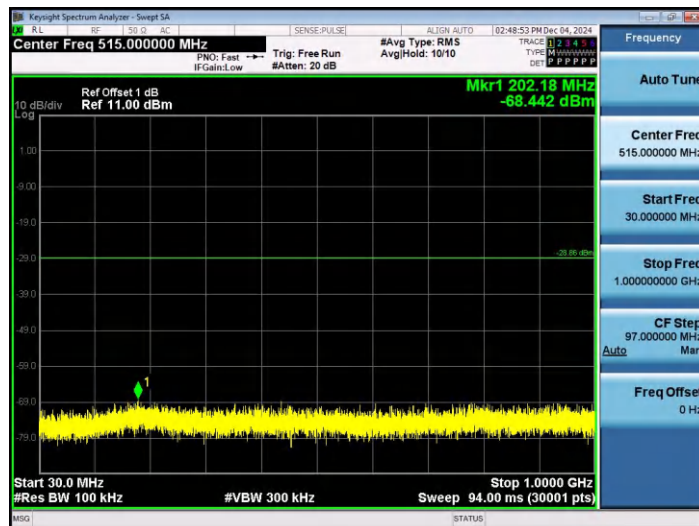


11B-Ant1-2462-1000~26500-PASS

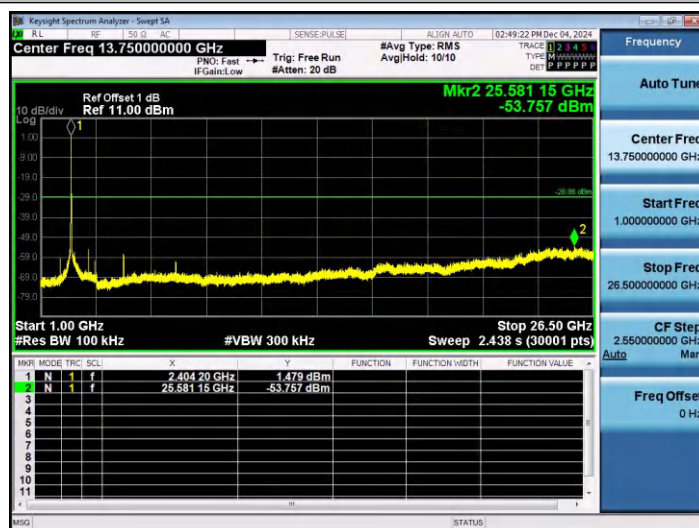




11G-Ant1-2412-0~Reference-PASS



11G-Ant1-2412-30~1000-PASS

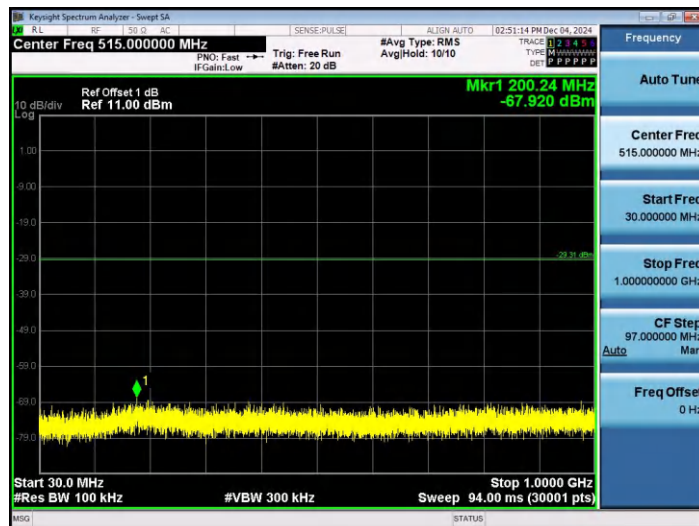


11G-Ant1-2412-1000~26500-PASS

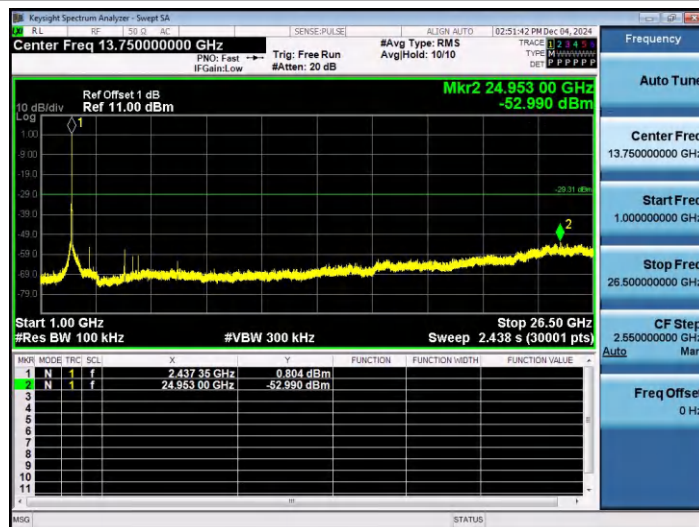




11G-Ant1-2437-0~Reference-PASS

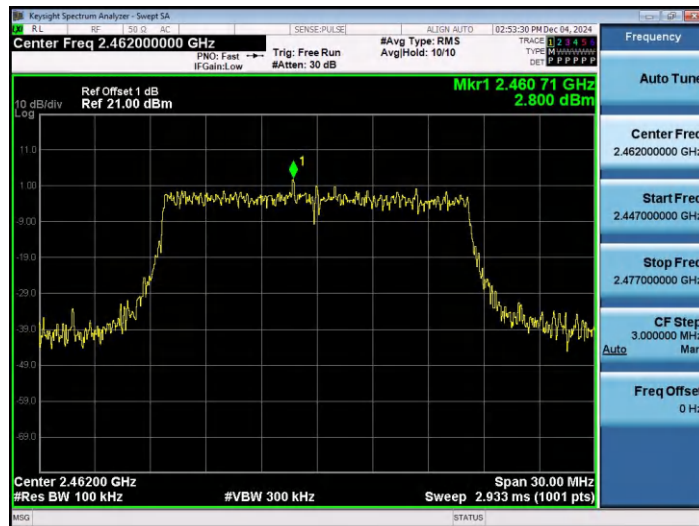


11G-Ant1-2437-30~1000-PASS

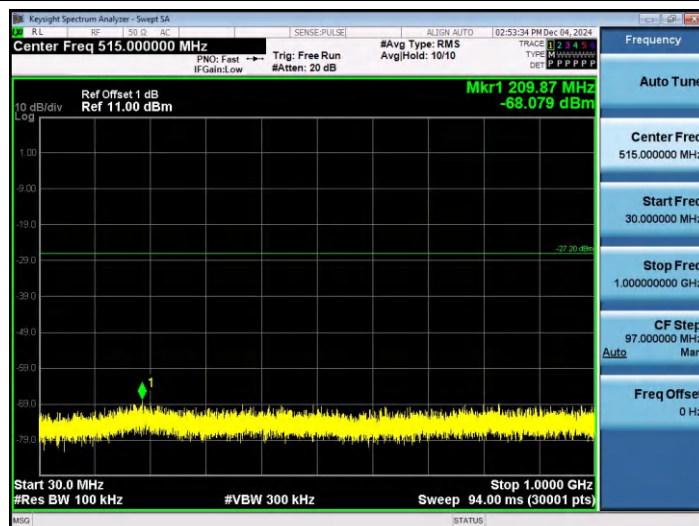


11G-Ant1-2437-1000~26500-PASS

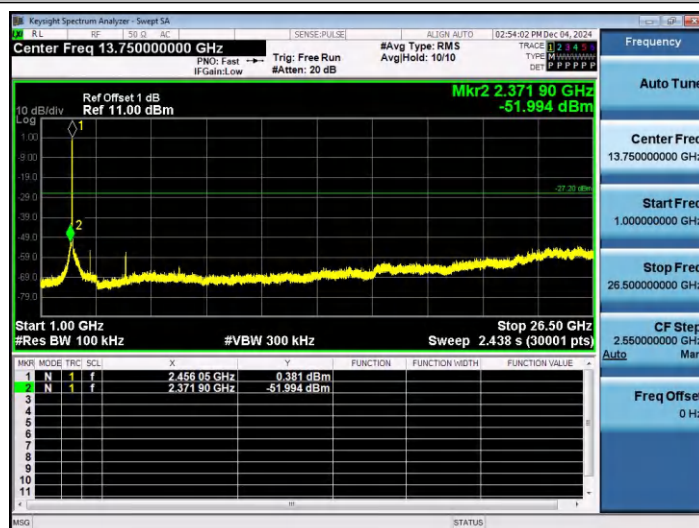




11G-Ant1-2462-0~Reference-PASS



11G-Ant1-2462-30~1000-PASS

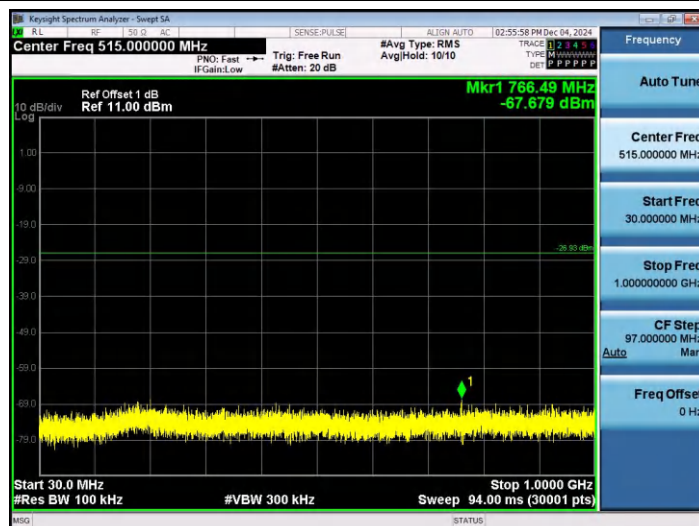


11G-Ant1-2462-1000~26500-PASS

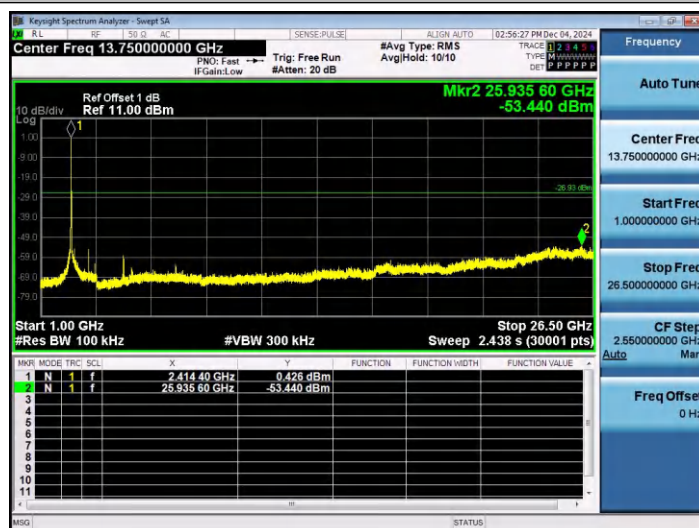




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11N20SISO-Ant1-2412-30~1000-PASS

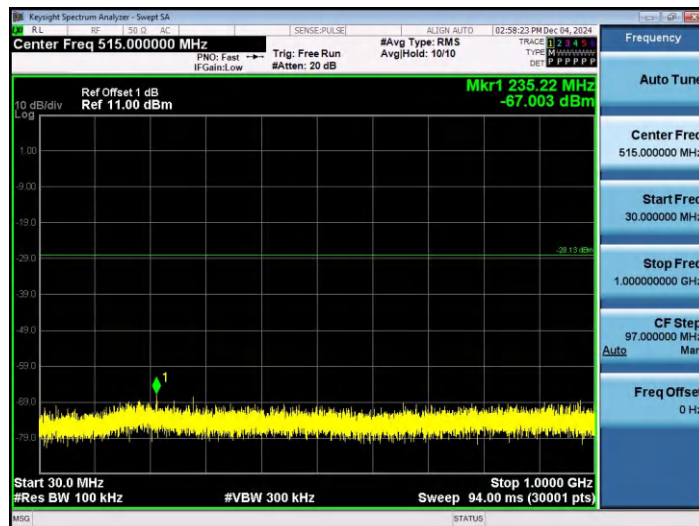


11N20SISO-Ant1-2412-1000~26500-PASS

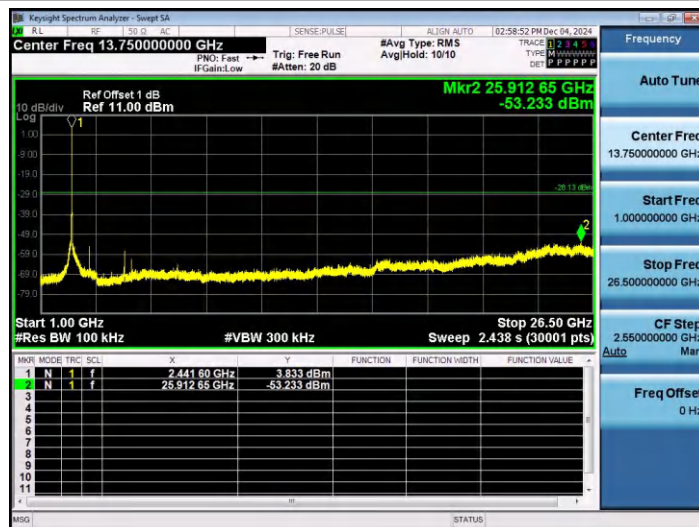




11N20SISO-Ant1-2437-0~Reference-PASS



11N20SISO-Ant1-2437-30~1000-PASS

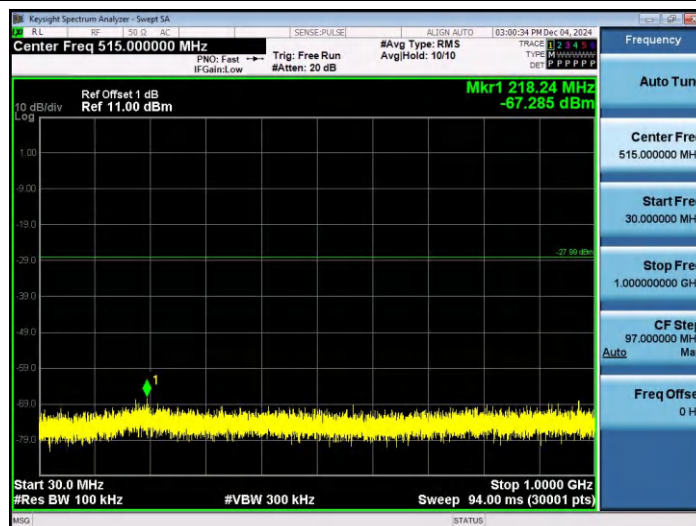


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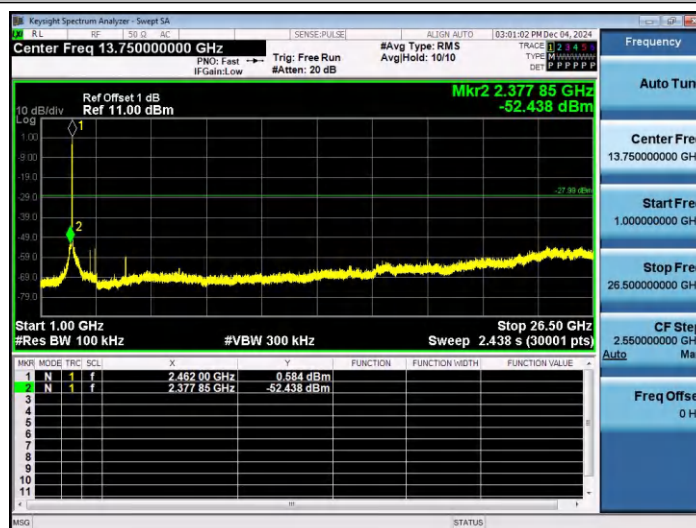




11N20SISO-Ant1-2462-0~Reference-PASS



11N20SISO-Ant1-2462-30~1000-PASS

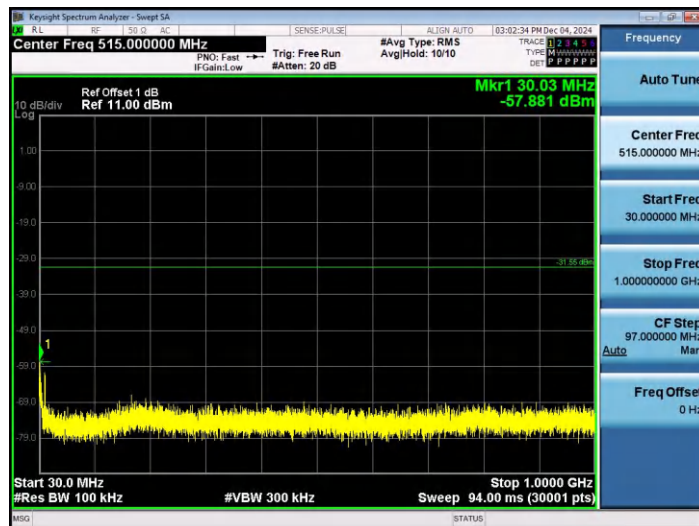


11N20SISO-Ant1-2462-1000~26500-PASS

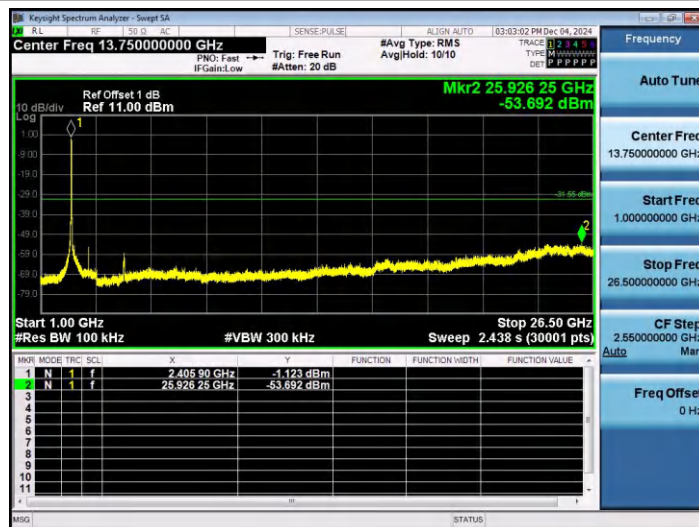




11N40SISO-Ant1-2422-0~Reference-PASS

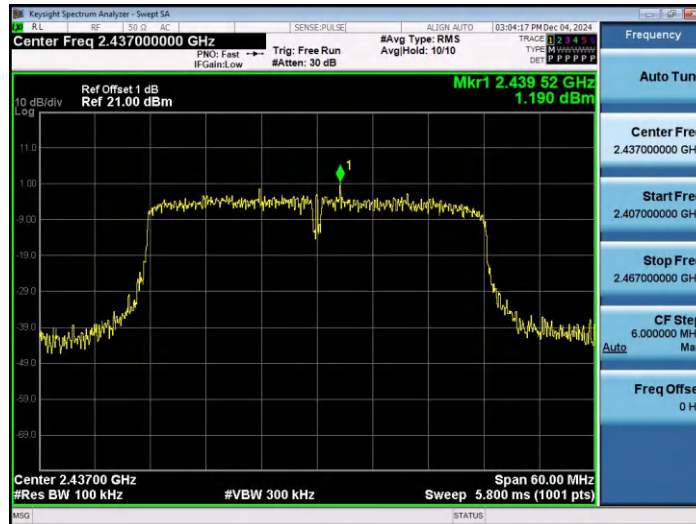


11N40SISO-Ant1-2422-30~1000-PASS

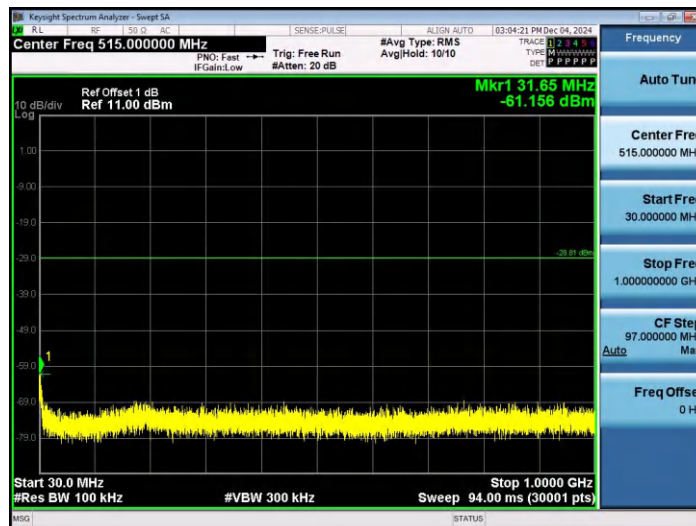


11N40SISO-Ant1-2422-1000~26500-PASS

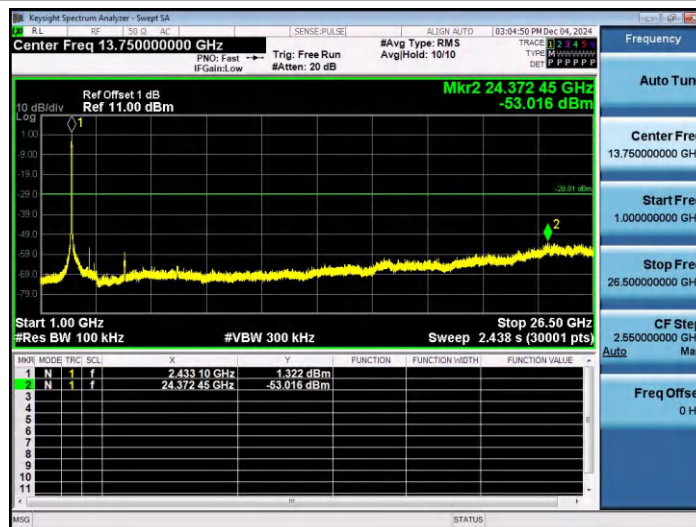




11N40SISO-Ant1-2437-0~Reference-PASS



11N40SISO-Ant1-2437-30~1000-PASS

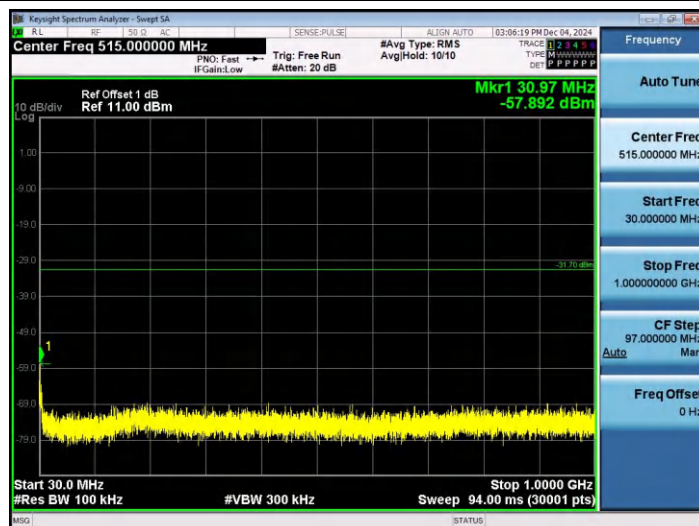


11N40SISO-Ant1-2437-1000~26500-PASS

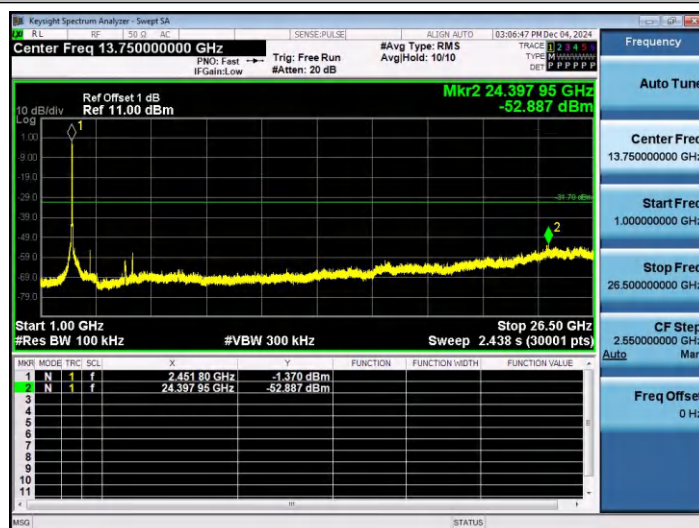




11N40SISO-Ant1-2452-0~Reference-PASS



11N40SISO-Ant1-2452-30~1000-PASS



11N40SISO-Ant1-2452-1000~26500-PASS

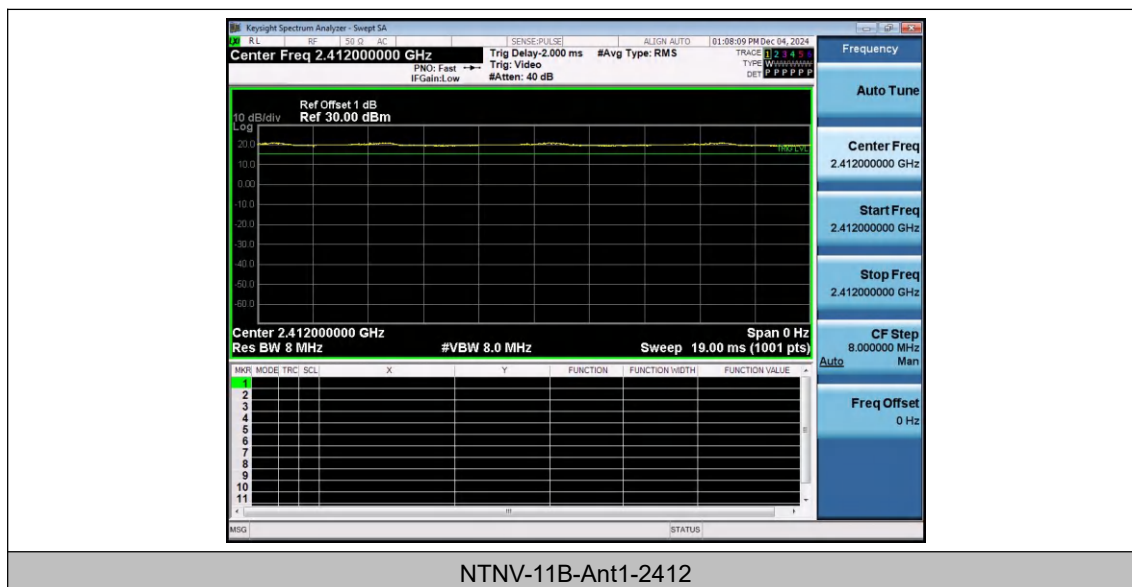


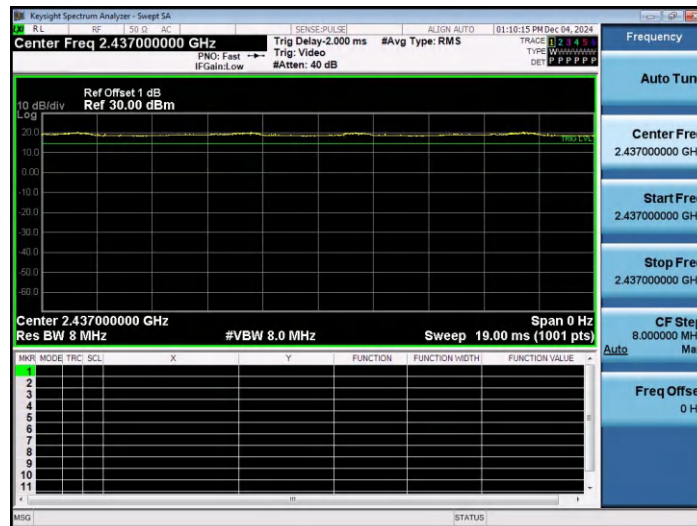
Appendix F: Duty Cycle

Test Result

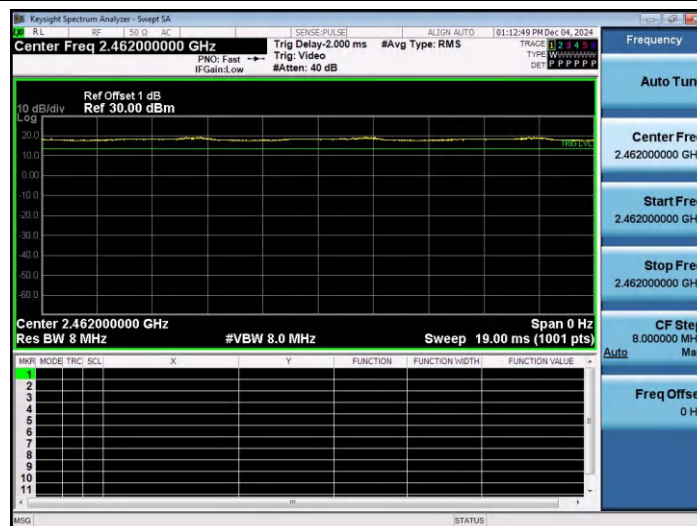
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	19.00	19.00	100.00	0.00
11B	Ant1	2437	19.00	19.00	100.00	0.00
11B	Ant1	2462	19.00	19.00	100.00	0.00
11G	Ant1	2412	5.48	5.51	99.46	0.02
11G	Ant1	2437	5.49	5.51	99.64	0.02
11G	Ant1	2462	5.49	5.51	99.64	0.02
11N20SISO	Ant1	2412	5.09	5.12	99.41	0.03
11N20SISO	Ant1	2437	5.07	5.10	99.41	0.03
11N20SISO	Ant1	2462	5.08	5.10	99.61	0.02
11N40SISO	Ant1	2422	2.47	2.50	98.80	0.05
11N40SISO	Ant1	2437	2.47	2.50	98.80	0.05
11N40SISO	Ant1	2452	2.47	2.50	98.80	0.05

Test Graphs

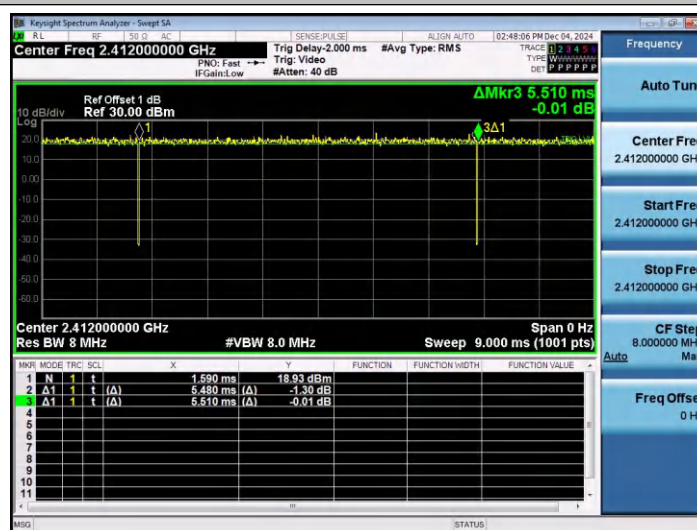




NTNV-11B-Ant1-2437

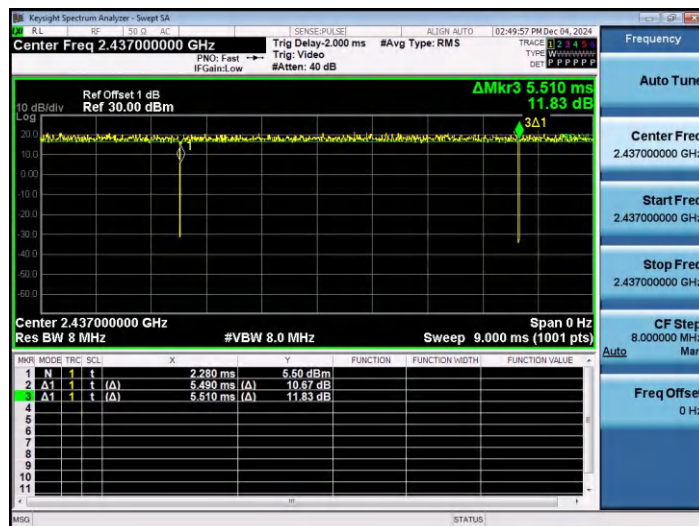


NTNV-11B-Ant1-2462

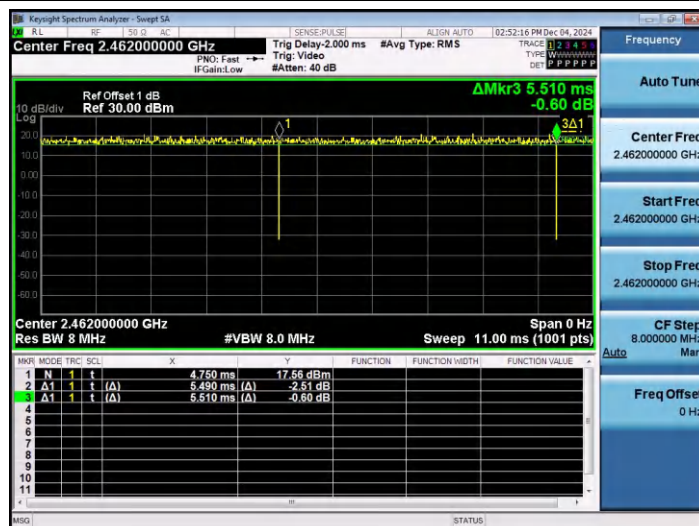


NTNV-11G-Ant1-2412

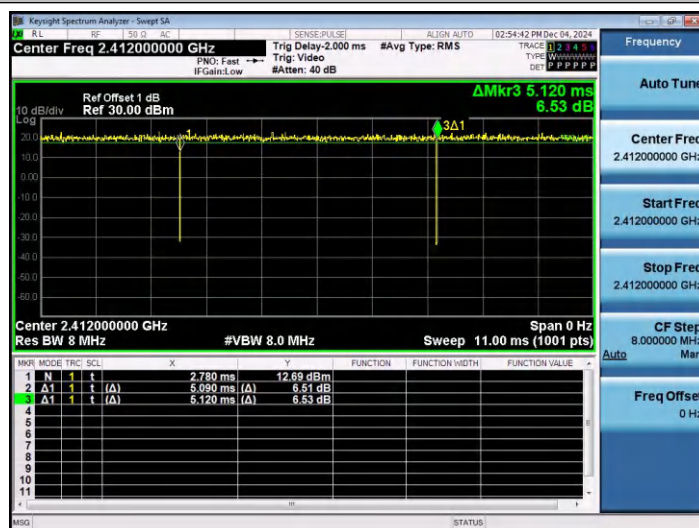




NTNV-11G-Ant1-2437

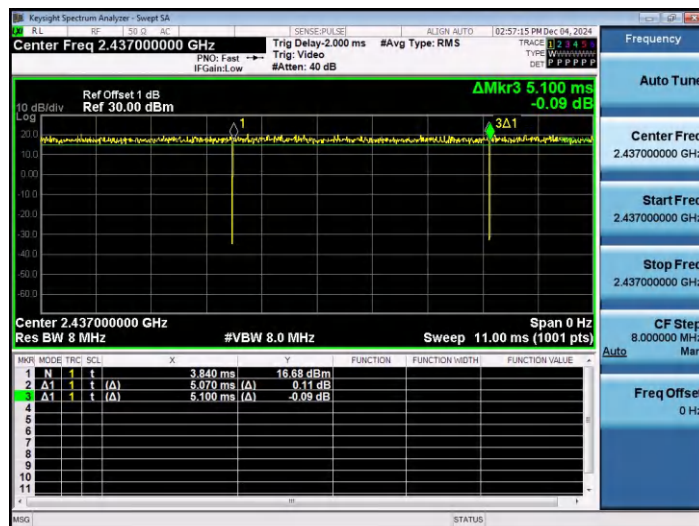


NTNV-11G-Ant1-2462

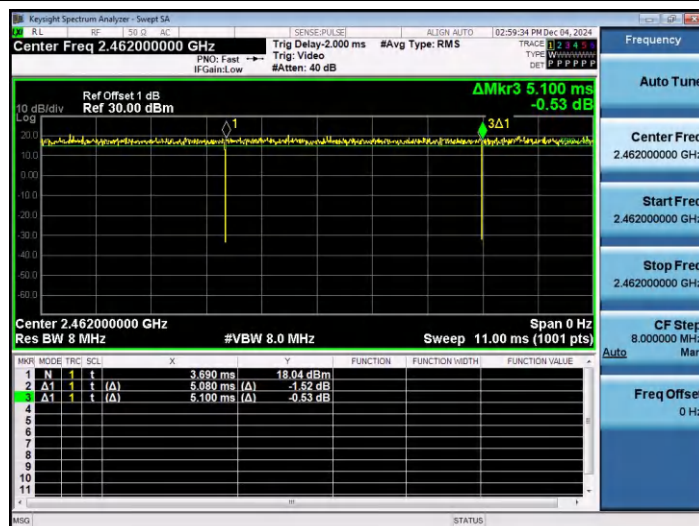


NTNV-11N20SISO-Ant1-2412

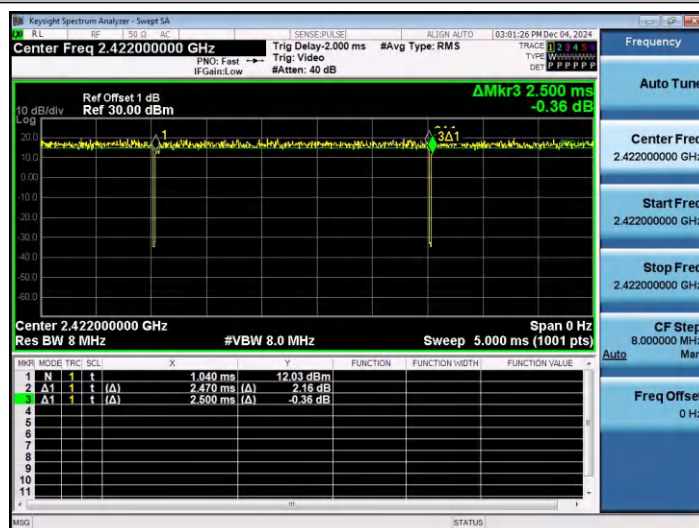




NTNV-11N20SISO-Ant1-2437

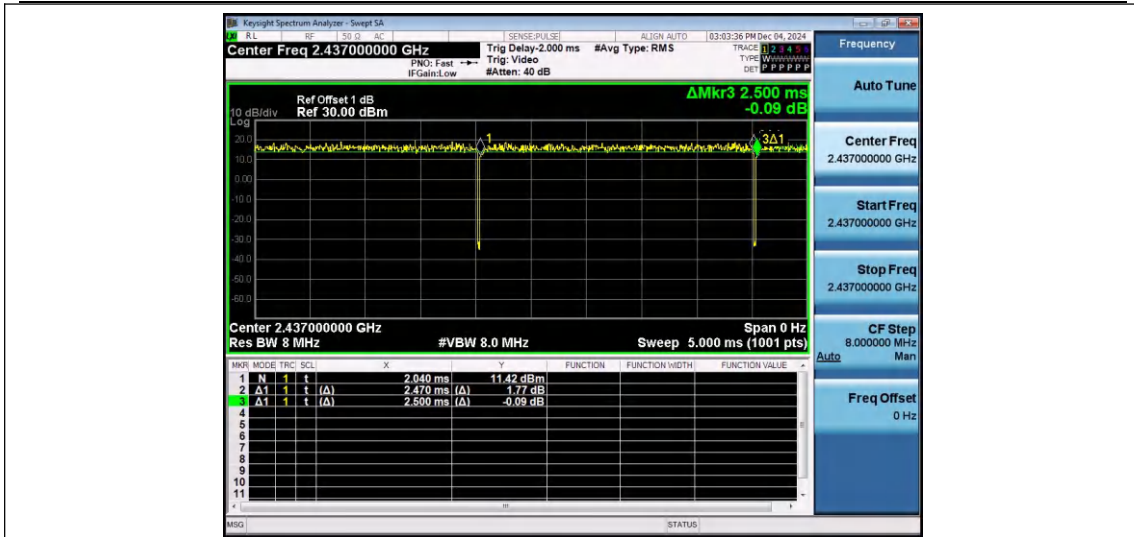


NTNV-11N20SISO-Ant1-2462



NTNV-11N40SISO-Ant1-2422





NTNV-11N40SISO-Ant1-2437



NTNV-11N40SISO-Ant1-2452

---End---

