

Appendix Test Data

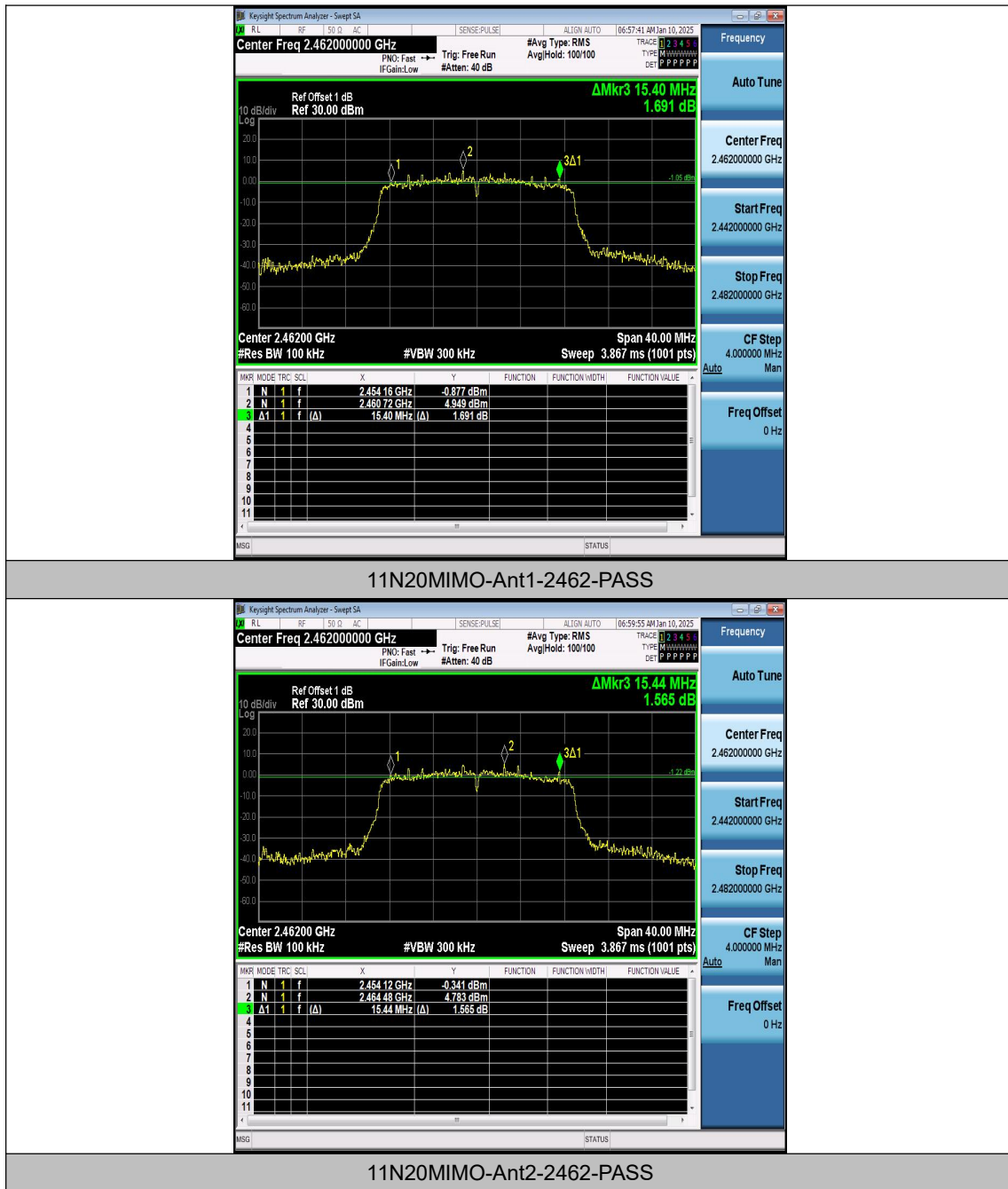
Report No.:	1812C40179312501	Test Sample No.:	1-2-2
Start Test Date:	2025.01.10	Finish Test Date:	2025.01.15
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.6°C	Relative Humidity:	46%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20MIMO	Ant1	2462	15.400	2454.160	2469.560	0.5	PASS
11N20MIMO	Ant2	2462	15.440	2454.120	2469.560	0.5	PASS

Test Graphs

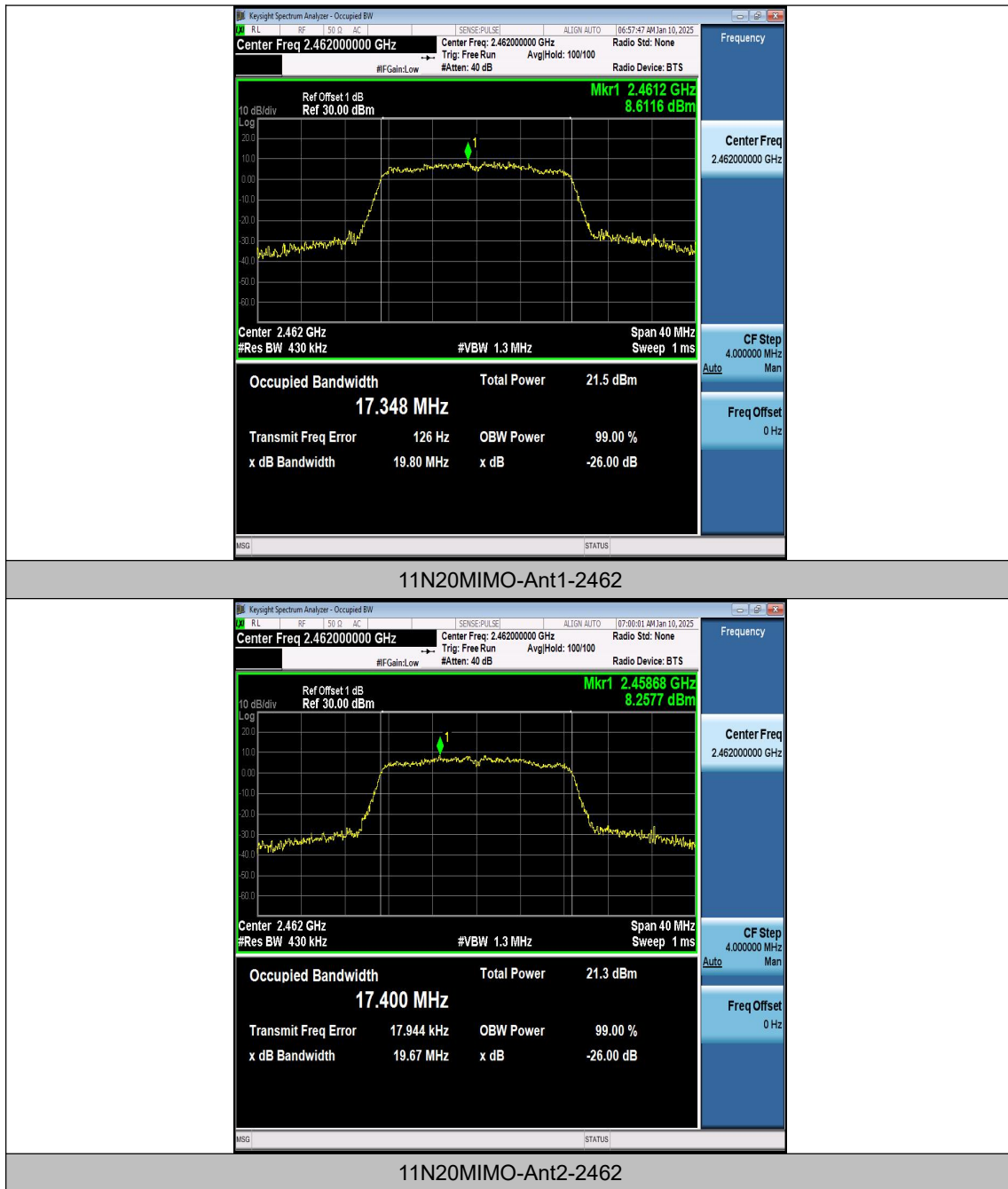


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20MIMO	Ant1	2462	17.348	2453.3261	2470.6741	---	---
11N20MIMO	Ant2	2462	17.400	2453.3179	2470.7179	---	---

Test Graphs



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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	14.37	98.42	0.05	14.42	≤30.0 0	PASS
11B	Ant2	2412	13.46	98.59	0.05	13.51	≤30.0 0	PASS
11B	Ant1	2437	14.11	98.59	0.05	14.16	≤30.0 0	PASS
11B	Ant2	2437	13.33	98.59	0.05	13.38	≤30.0 0	PASS
11B	Ant1	2462	14.14	98.59	0.05	14.19	≤30.0 0	PASS
11B	Ant2	2462	13.37	98.59	0.05	13.42	≤30.0 0	PASS
11G	Ant1	2412	15.20	69.23	0.05	15.25	≤30.0 0	PASS
11G	Ant2	2412	14.17	69.49	0.05	14.22	≤30.0 0	PASS
11G	Ant1	2437	14.82	69.23	0.05	14.87	≤30.0 0	PASS
11G	Ant2	2437	13.77	70.09	0.05	13.82	≤30.0 0	PASS
11G	Ant1	2462	14.82	70.09	0.05	14.87	≤30.0 0	PASS
11G	Ant2	2462	13.85	69.23	0.05	13.90	≤30.0 0	PASS
11N20SISO	Ant1	2462	15.07	61.54	0.05	15.12	≤30.0 0	PASS
11N20SISO	Ant2	2462	15.10	61.54	0.05	15.15	≤30.0 0	PASS
11N20MI MO	Ant1	2412	14.97	60.23	0.05	15.02	≤30.0 0	PASS
11N20MI MO	Ant2	2412	14.09	60.23	0.05	14.14	≤30.0 0	PASS
11N20MI MO	total	2412	---	---	---	17.61	≤30.0 0	PASS
11N20MI MO	Ant1	2437	14.65	60.23	0.05	14.70	≤30.0 0	PASS

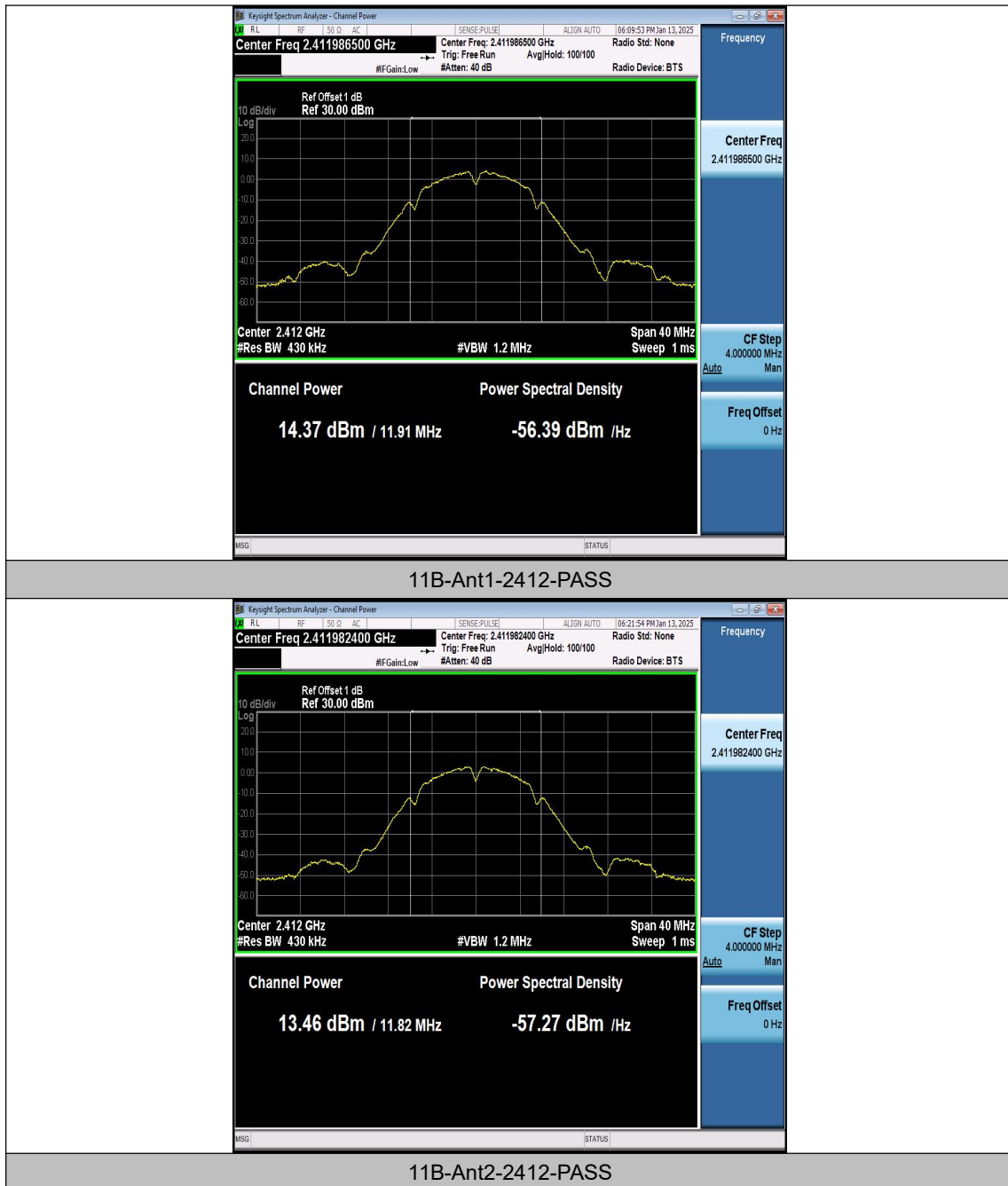


11N20MI MO	Ant2	2437	13.68	60.23	0.05	13.73	≤30.0 0	PASS
11N20MI MO	total	2437	---	---	---	17.25	≤30.0 0	PASS
11N20MI MO	Ant1	2462	15.36	80.88	0.05	15.41	≤30.0 0	PASS
11N20MI MO	Ant2	2462	14.33	80.88	0.05	14.38	≤30.0 0	PASS
11N20MI MO	total	2462	---	---	---	17.94	≤30.0 0	PASS
11AX20SI SO	Ant1	2412	14.08	59.09	0.05	14.13	≤30.0 0	PASS
11AX20M IMO	Ant2	2412	14.23	59.09	0.05	14.28	≤30.0 0	PASS
11AX20M IMO	total	2412	---	---	---	17.22	≤30.0 0	PASS
11AX20M IMO	Ant1	2437	14.71	59.09	0.05	14.76	≤30.0 0	PASS
11AX20M IMO	Ant2	2437	13.72	59.09	0.05	13.77	≤30.0 0	PASS
11AX20M IMO	total	2437	---	---	---	17.30	≤30.0 0	PASS
11AX20M IMO	Ant1	2462	14.80	60.23	0.05	14.85	≤30.0 0	PASS
11AX20M IMO	Ant2	2462	13.84	60.23	0.05	13.89	≤30.0 0	PASS
11AX20M IMO	total	2462	---	---	---	17.41	≤30.0 0	PASS

Note: The cable loss are compensated in the graph.



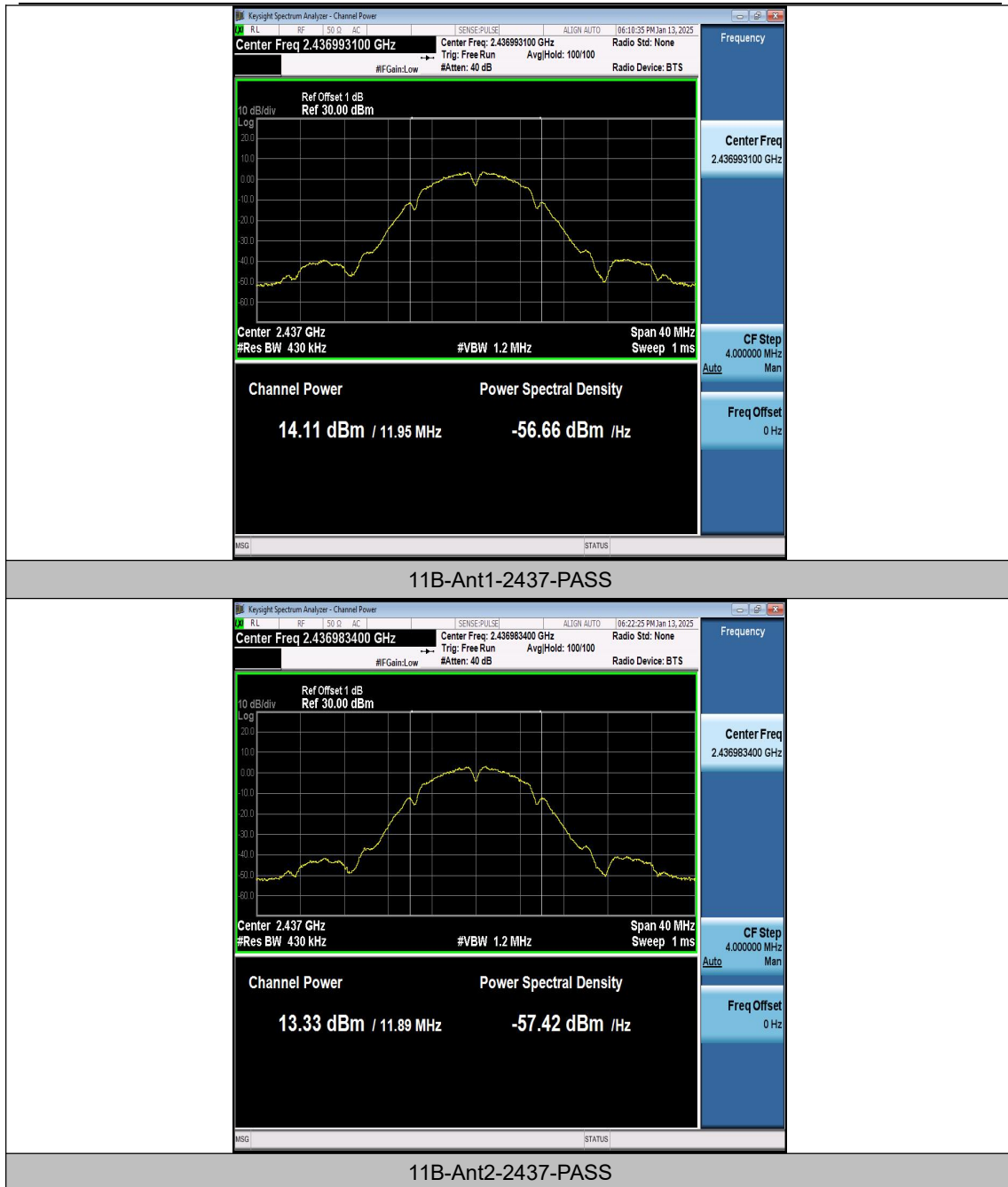
Test Graphs Average



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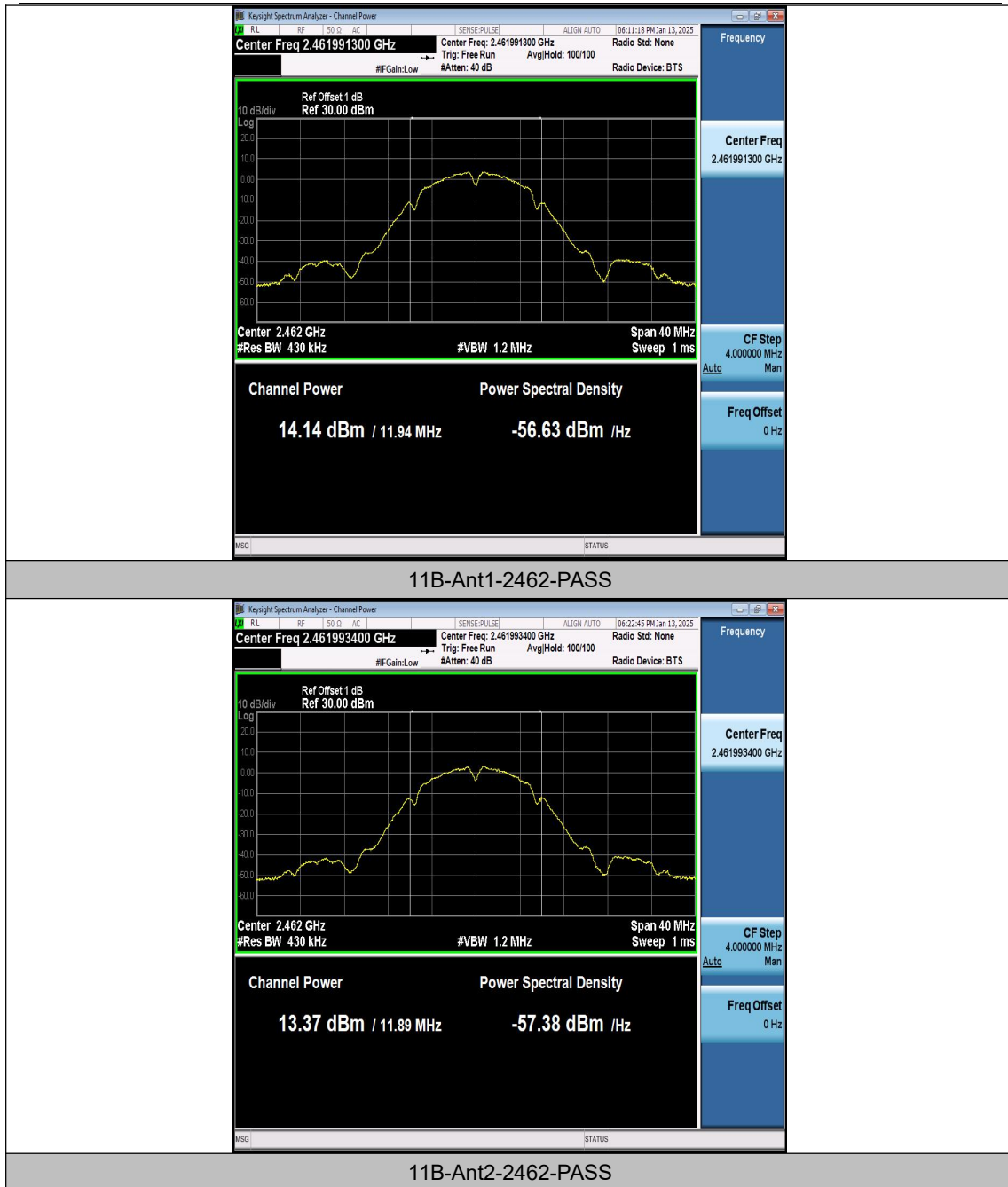


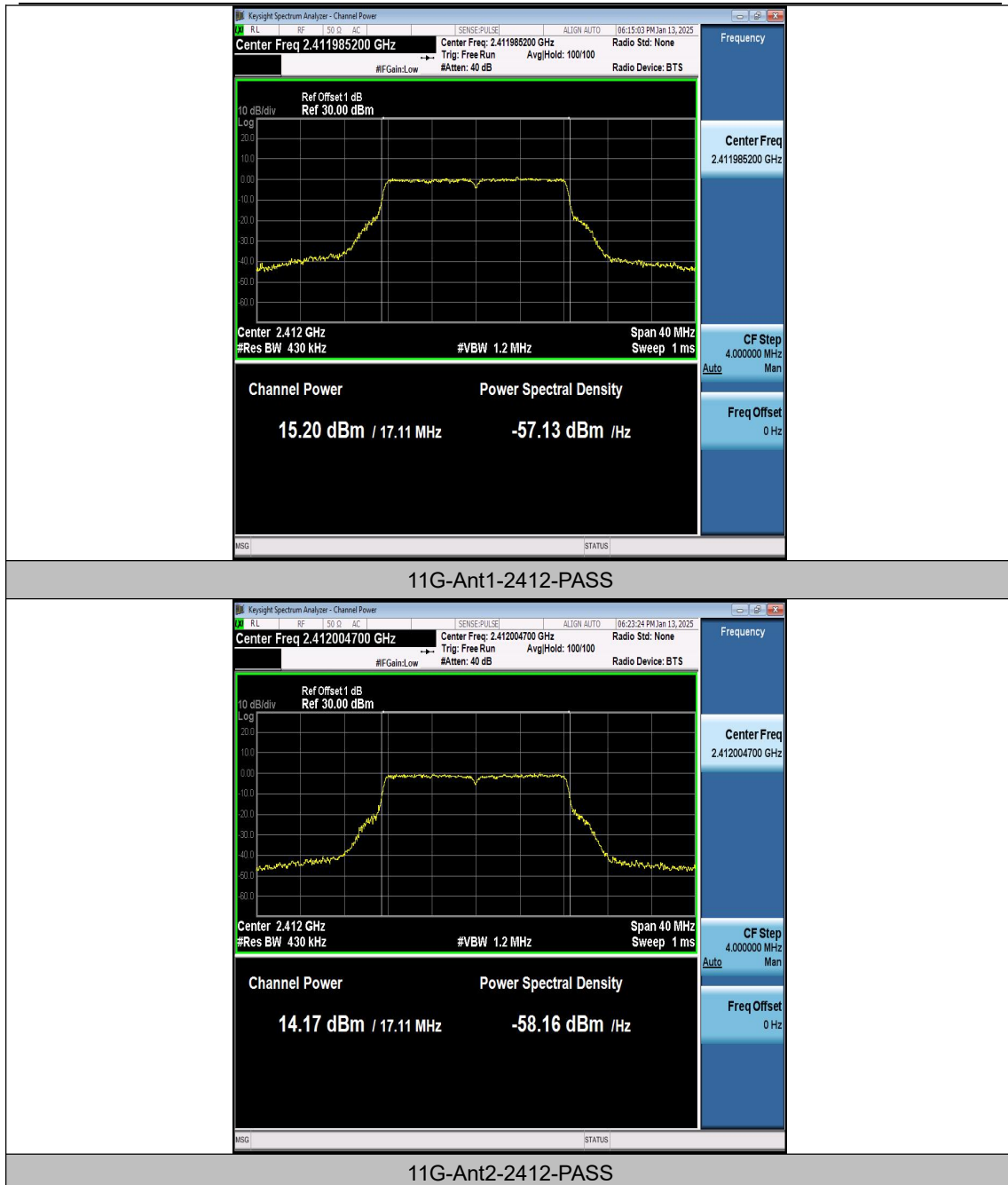
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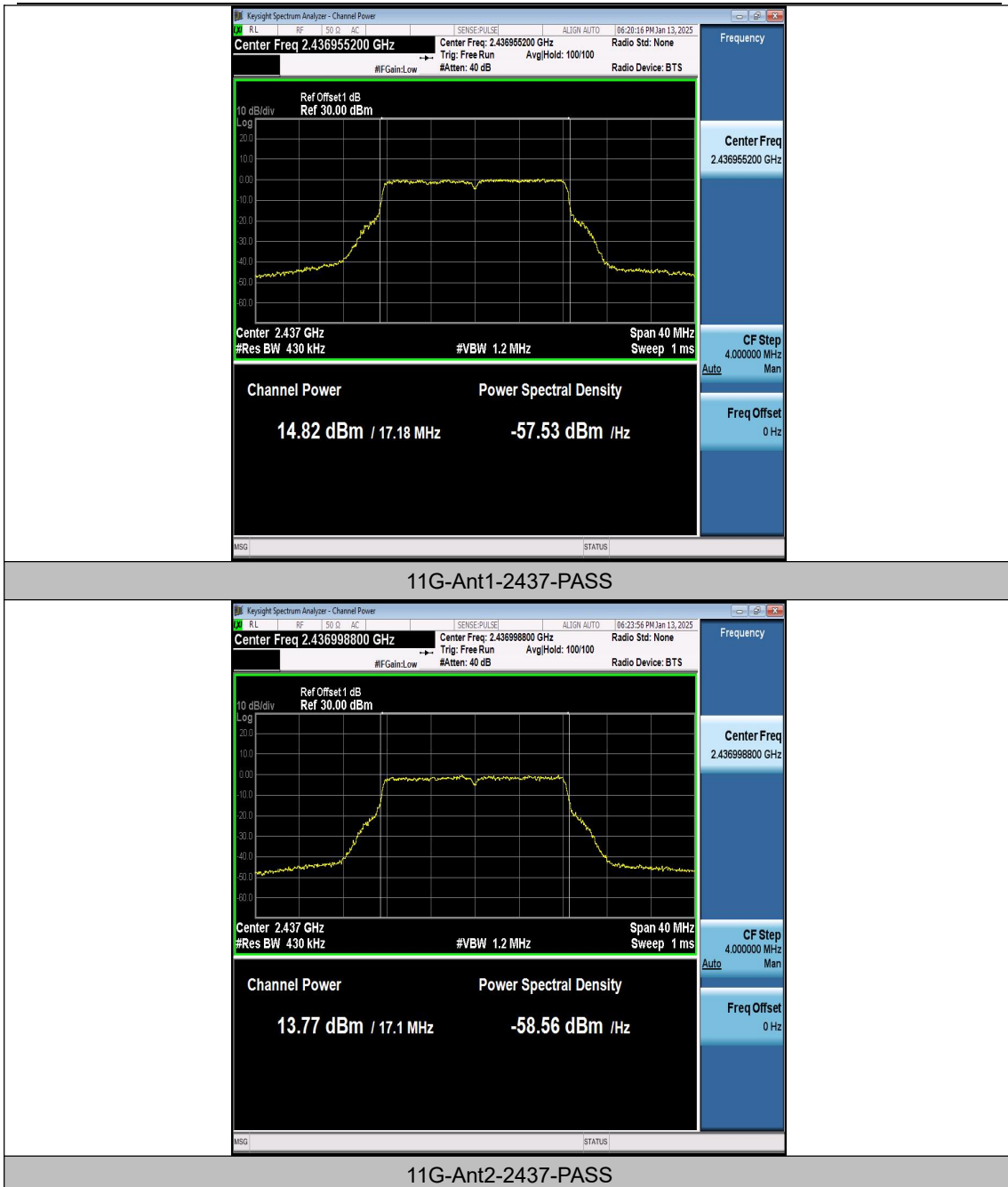
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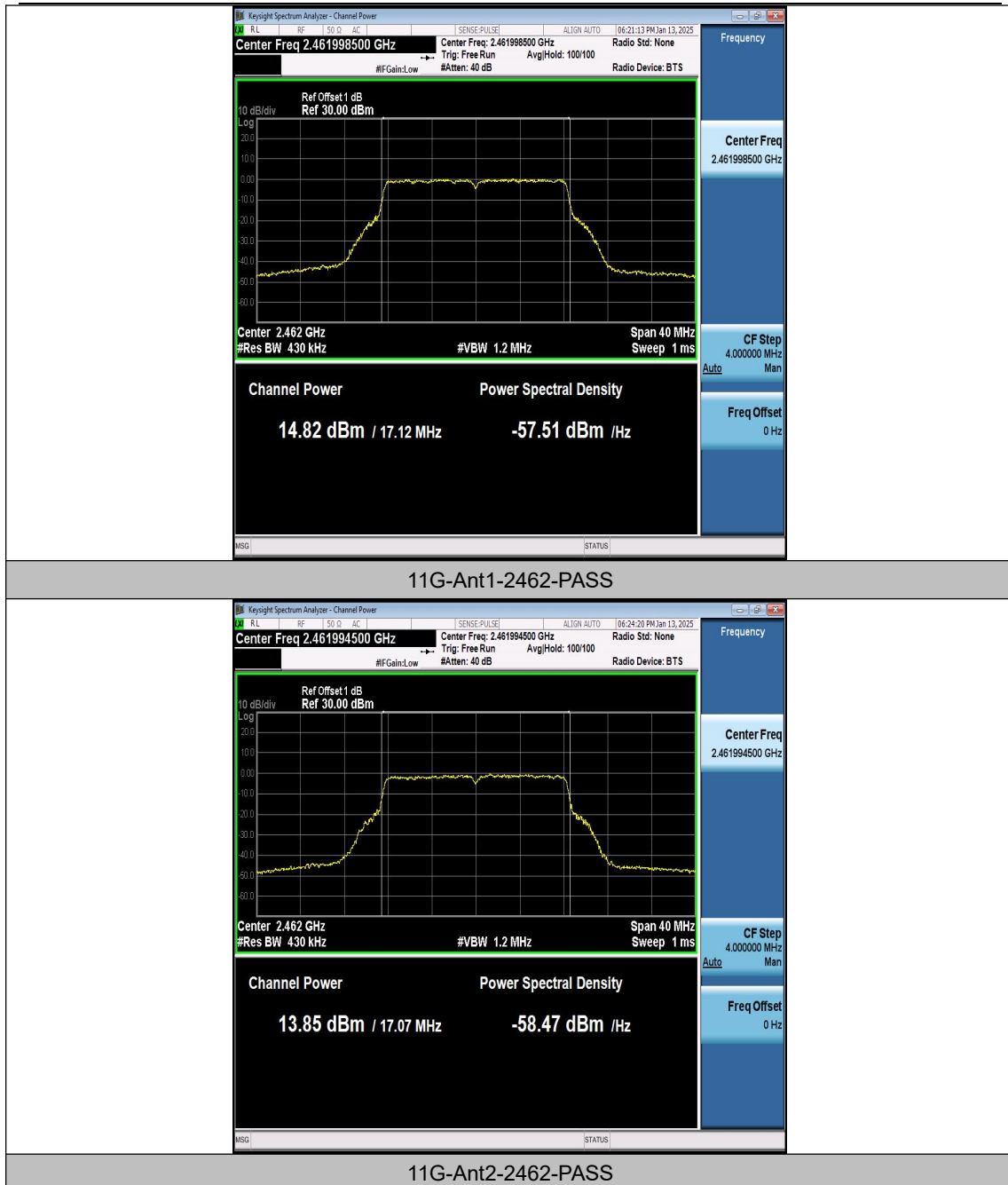


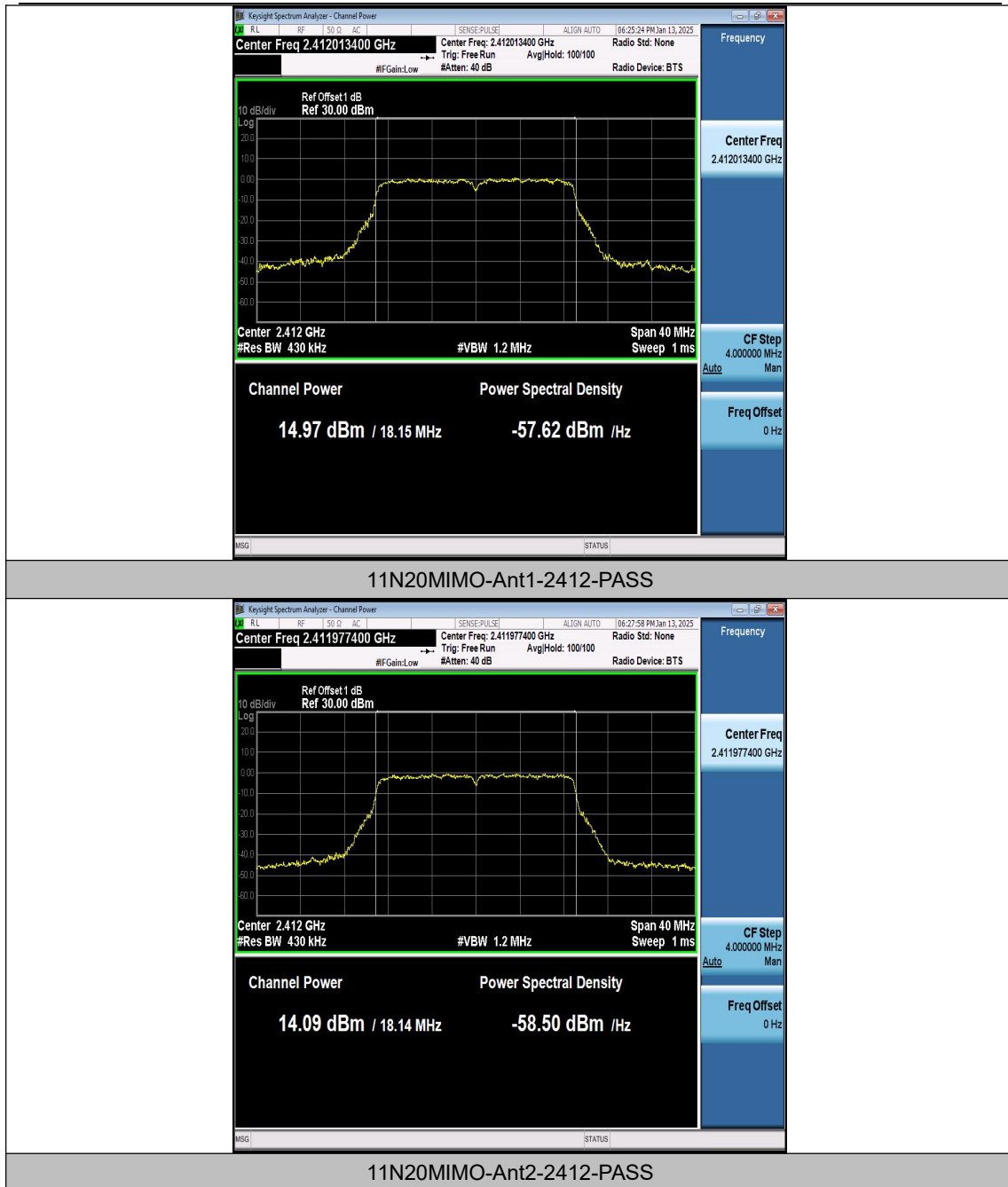


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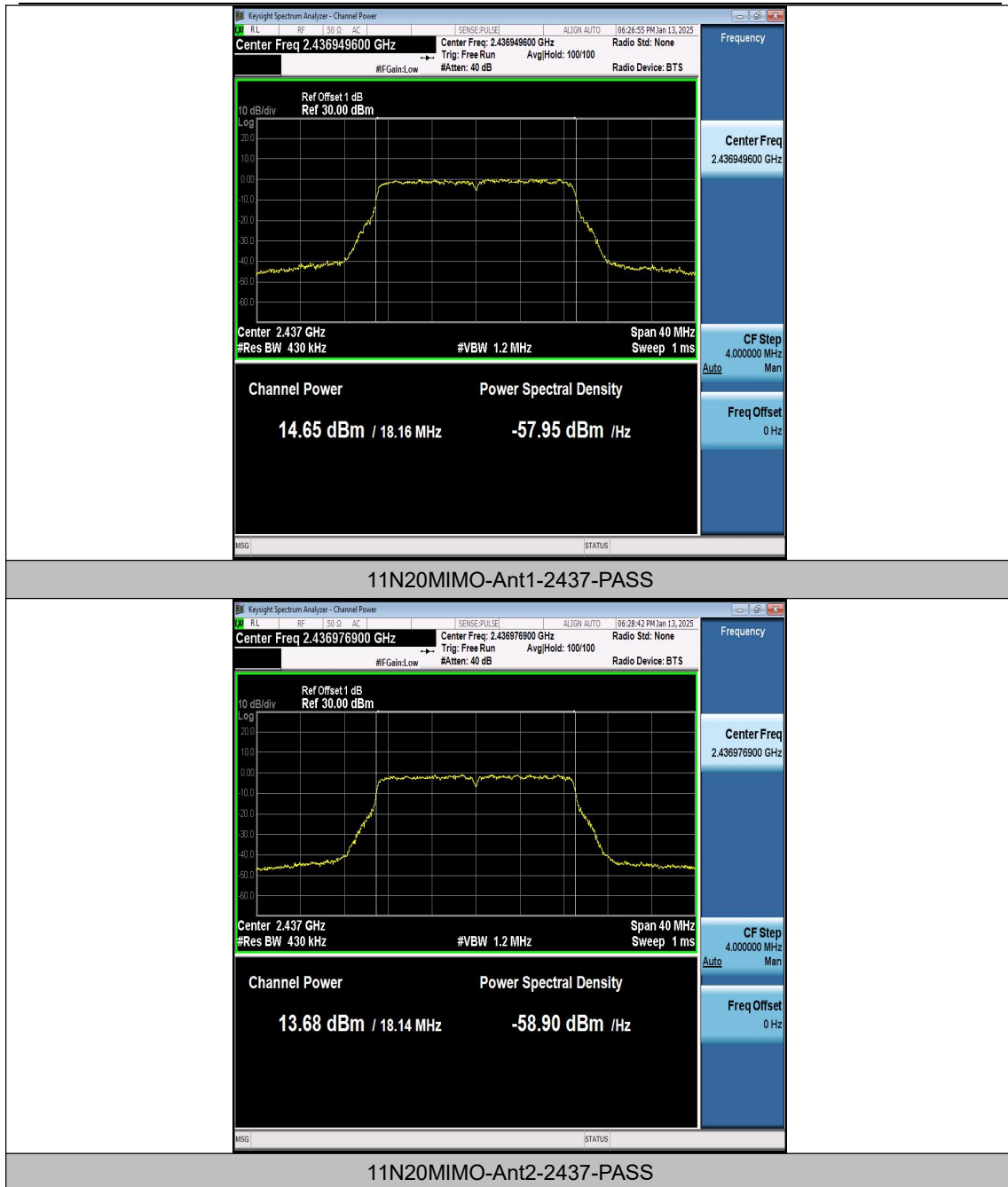


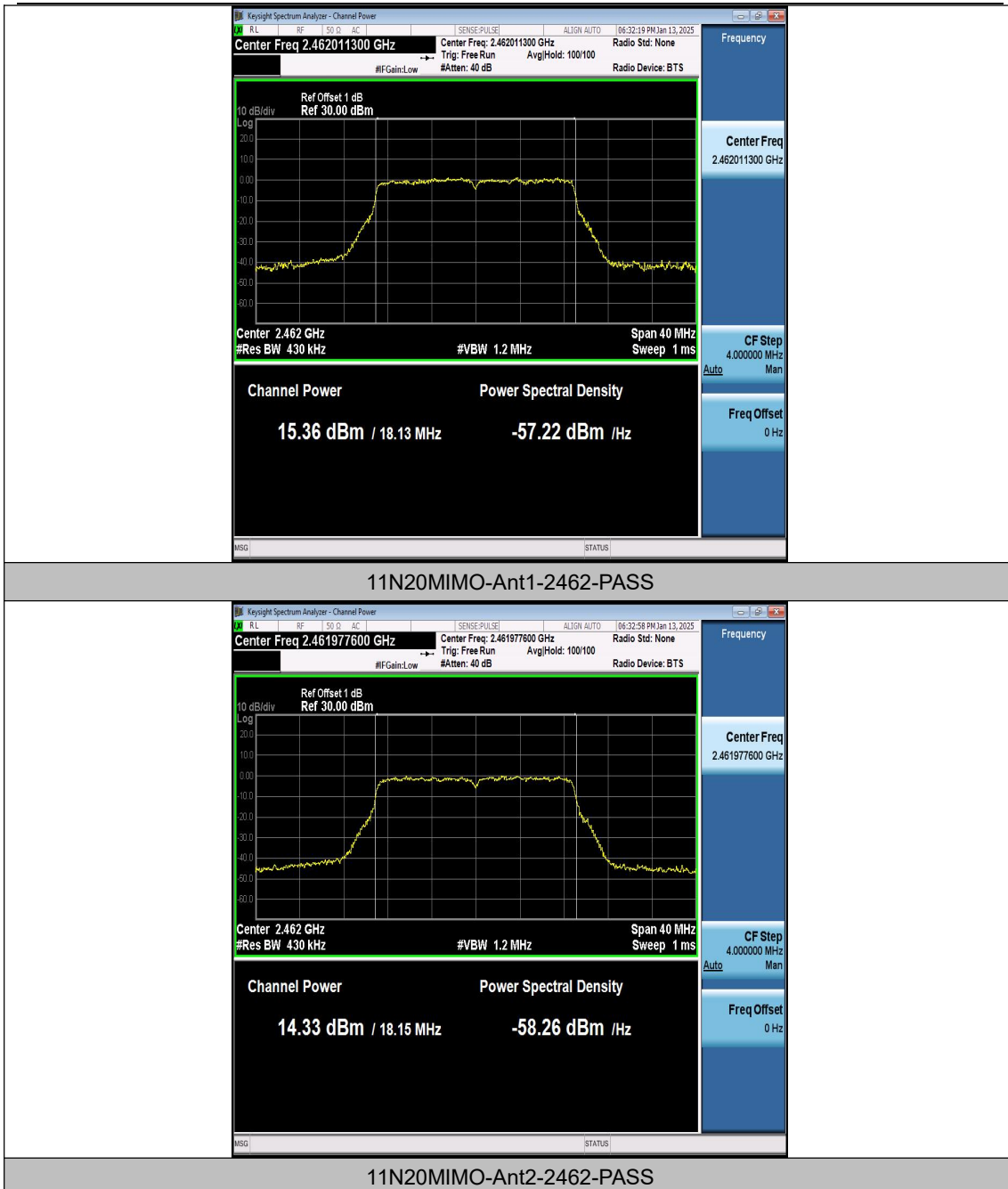
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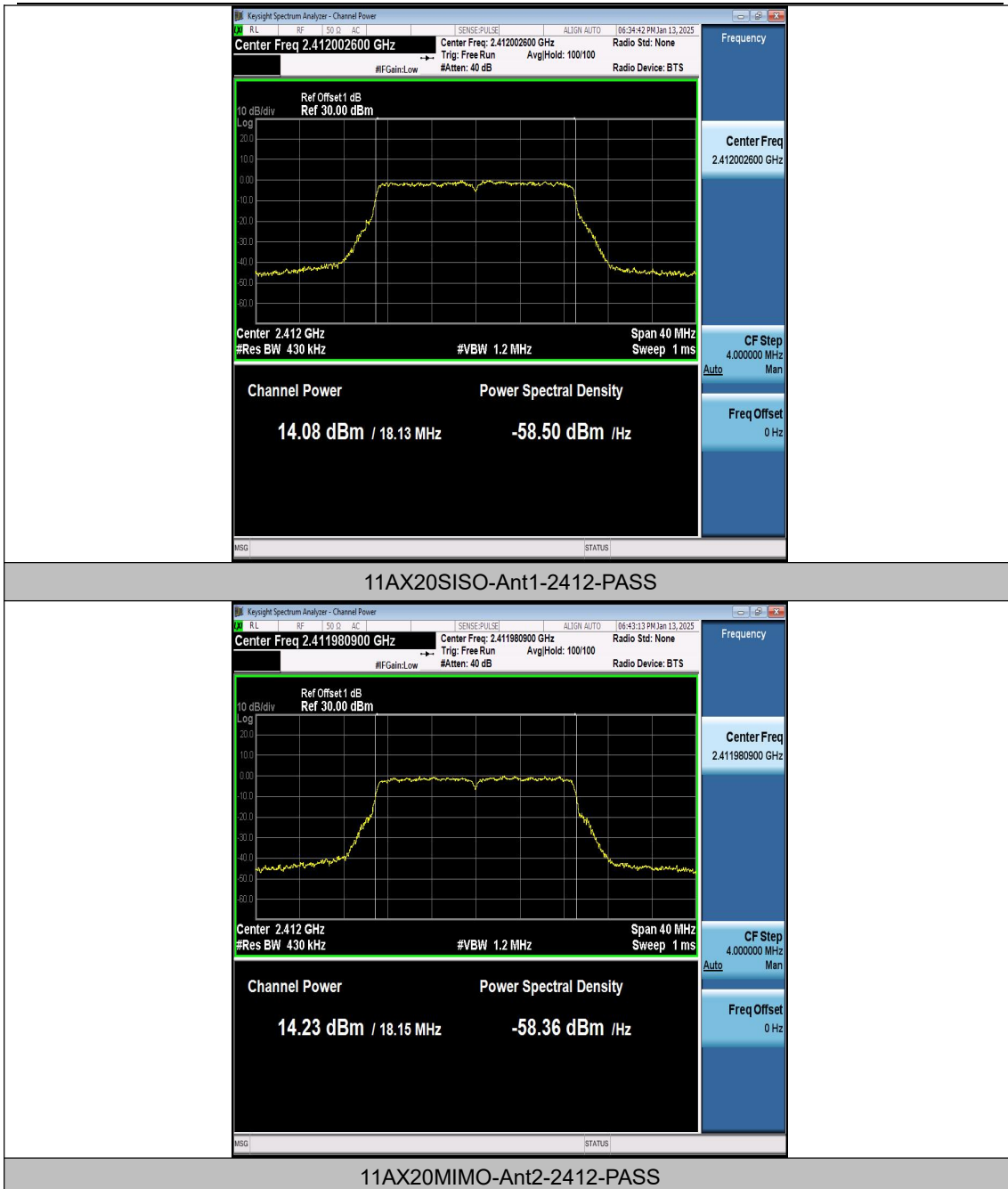
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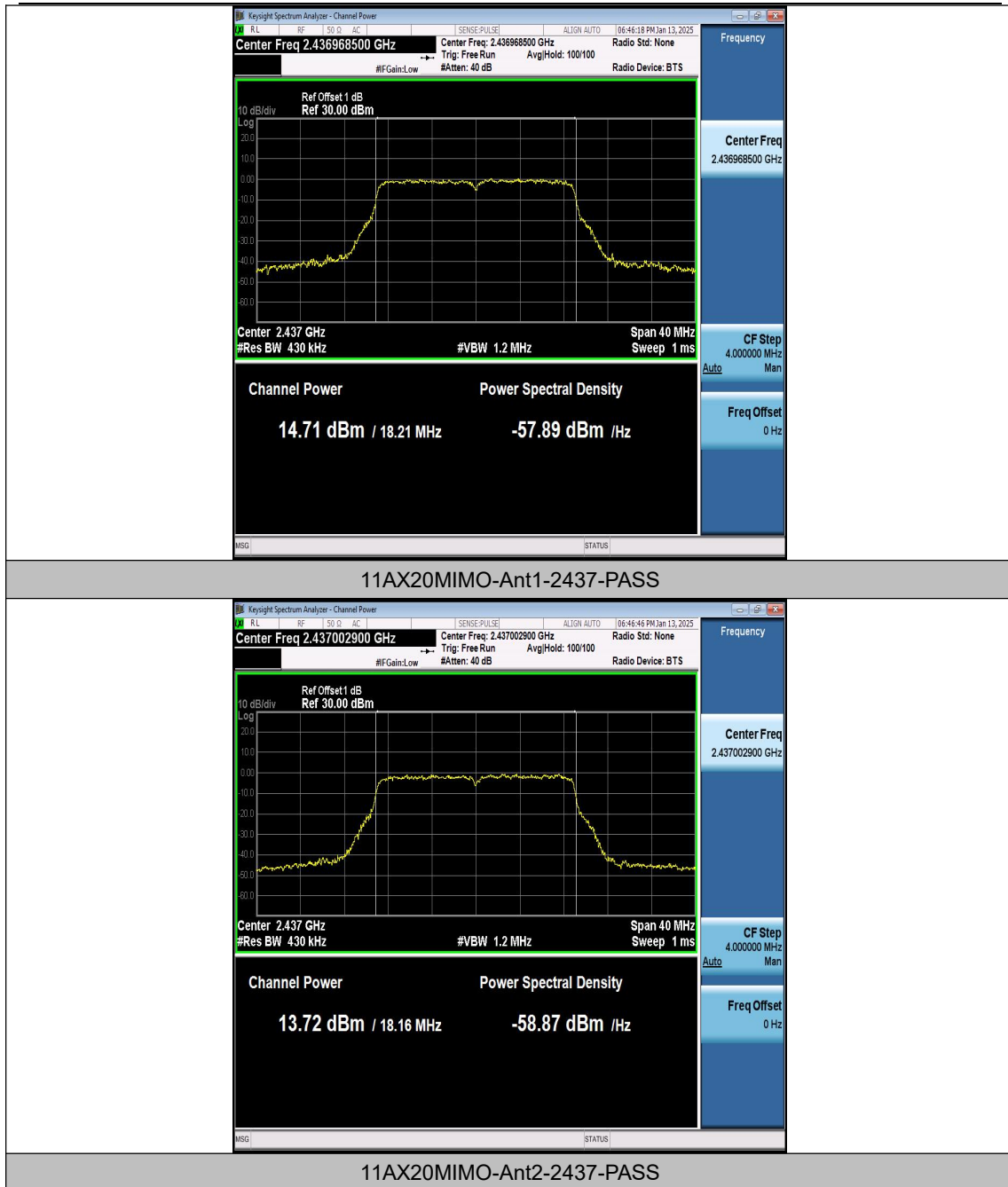


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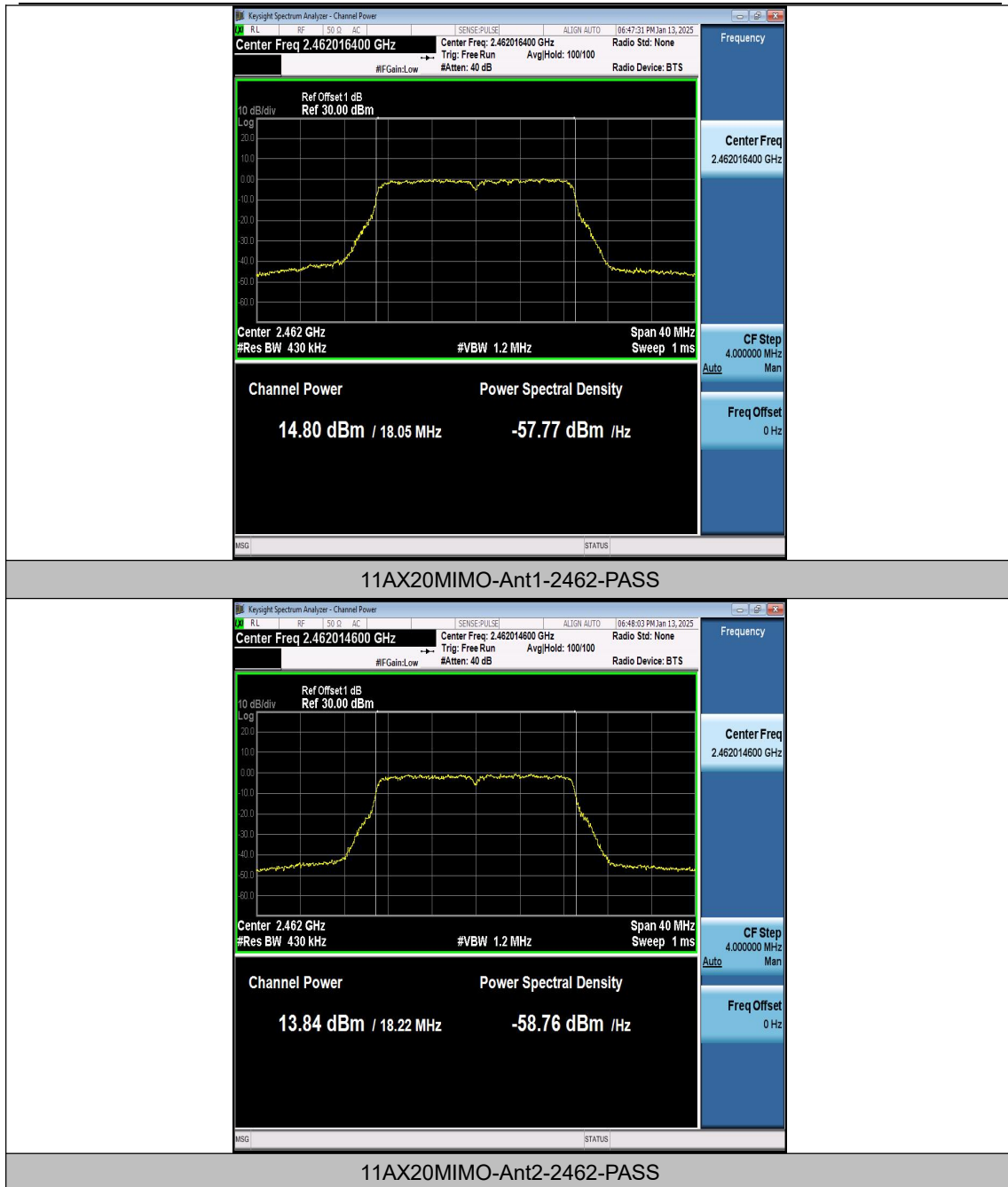


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Appendix D: Maximum power spectral density

Test Result

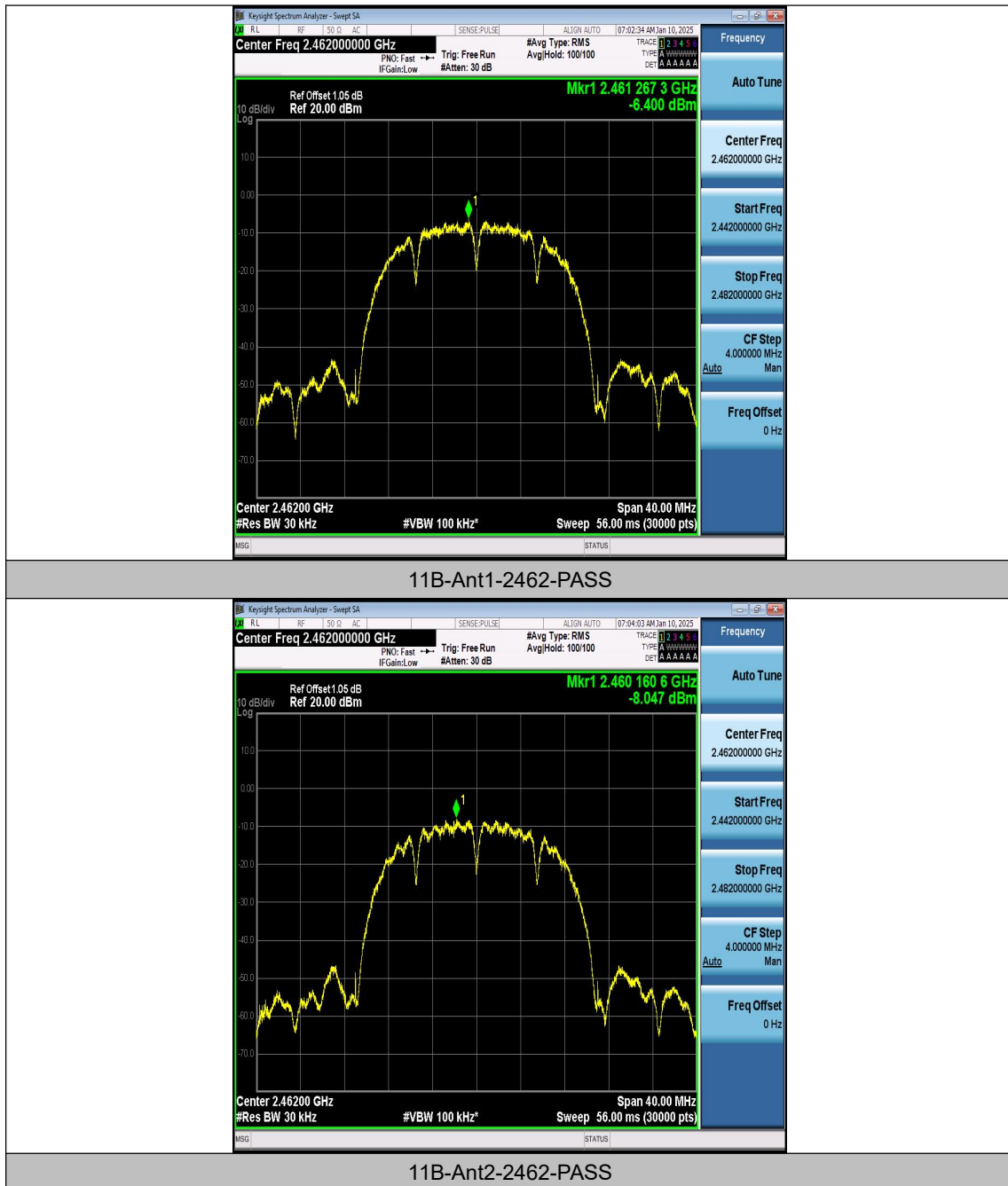
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2462	-6.40	-16.40	≤8.00	PASS
11B	Ant2	2462	-8.05	-18.05	≤8.00	PASS

Note:

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



Test Graphs



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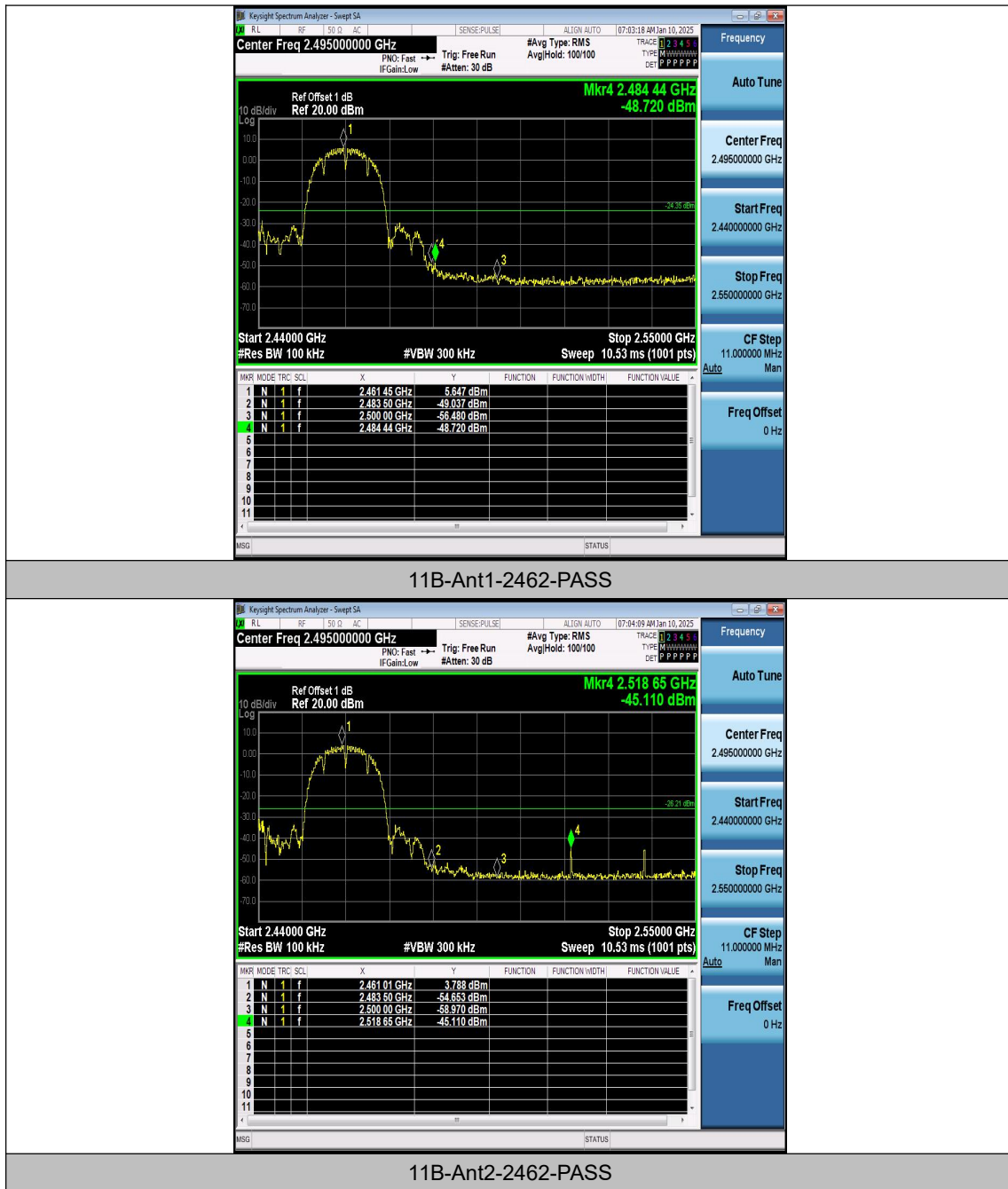
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	High	2462	5.65	-48.72	≤-24.35	PASS
11B	Ant2	High	2462	3.79	-45.11	≤-26.21	PASS



Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11N20MIMO	Ant1	2462	0~Reference	3.20	3.20	---	PASS
11N20MIMO	Ant2	2462	0~Reference	3.05	3.05	---	PASS
11N20MIMO	Ant1	2462	30~1000	3.20	-57.79	≤-26.8	PASS
11N20MIMO	Ant2	2462	30~1000	3.05	-58.03	≤-26.95	PASS
11N20MIMO	Ant1	2462	1000~26500	3.20	-46.01	≤-26.8	PASS
11N20MIMO	Ant2	2462	1000~26500	3.05	-45.26	≤-26.95	PASS

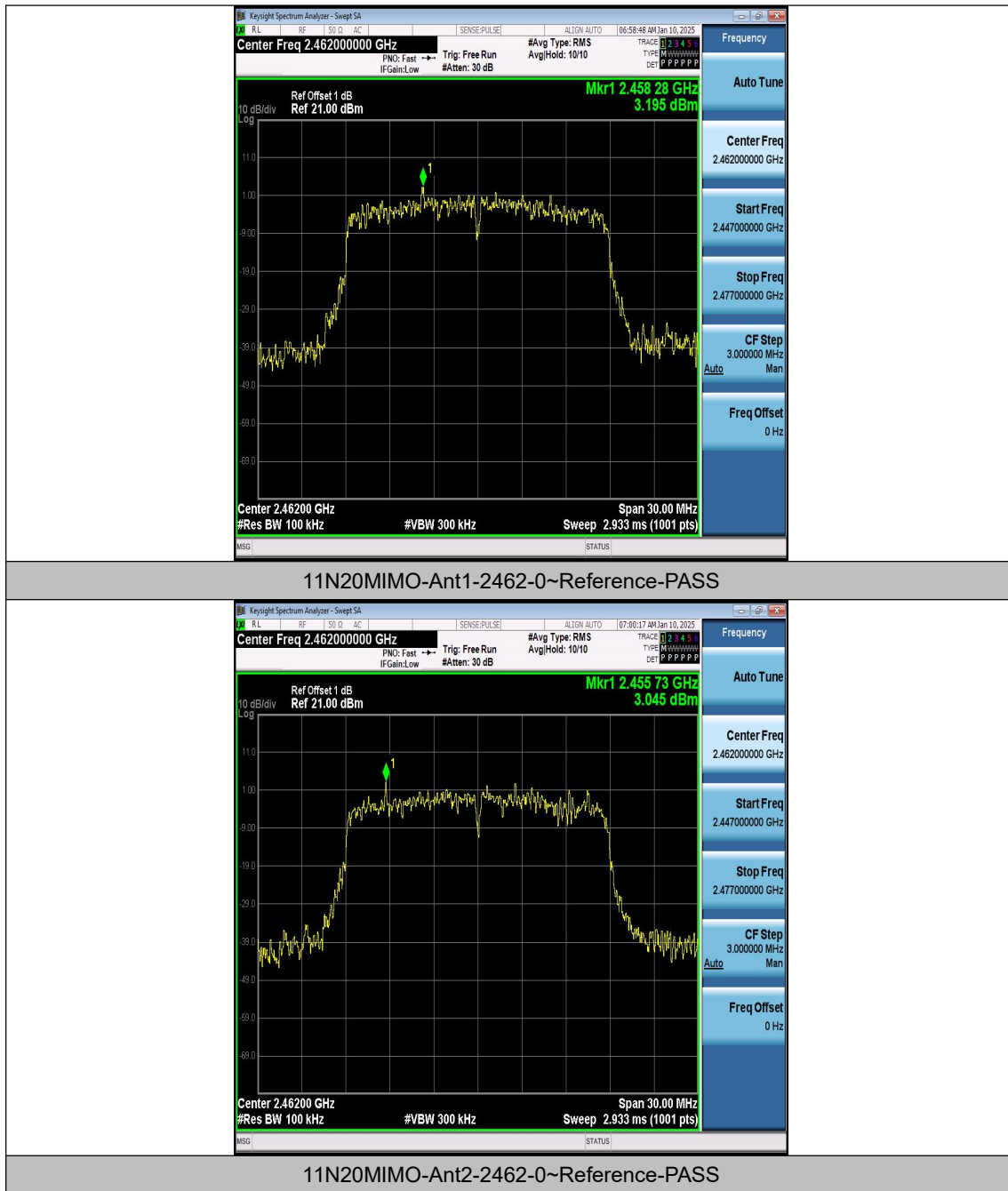
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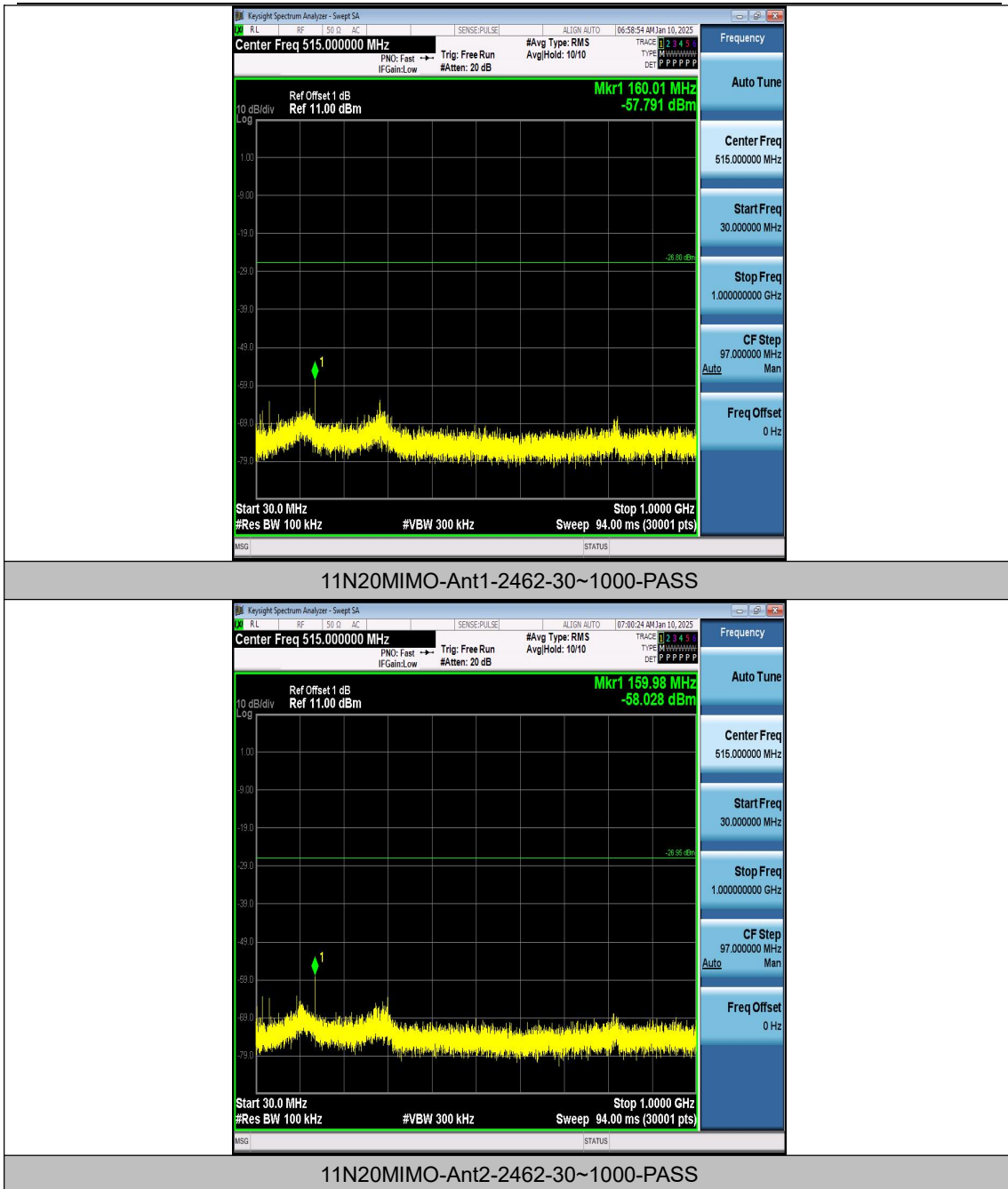
Test Graphs



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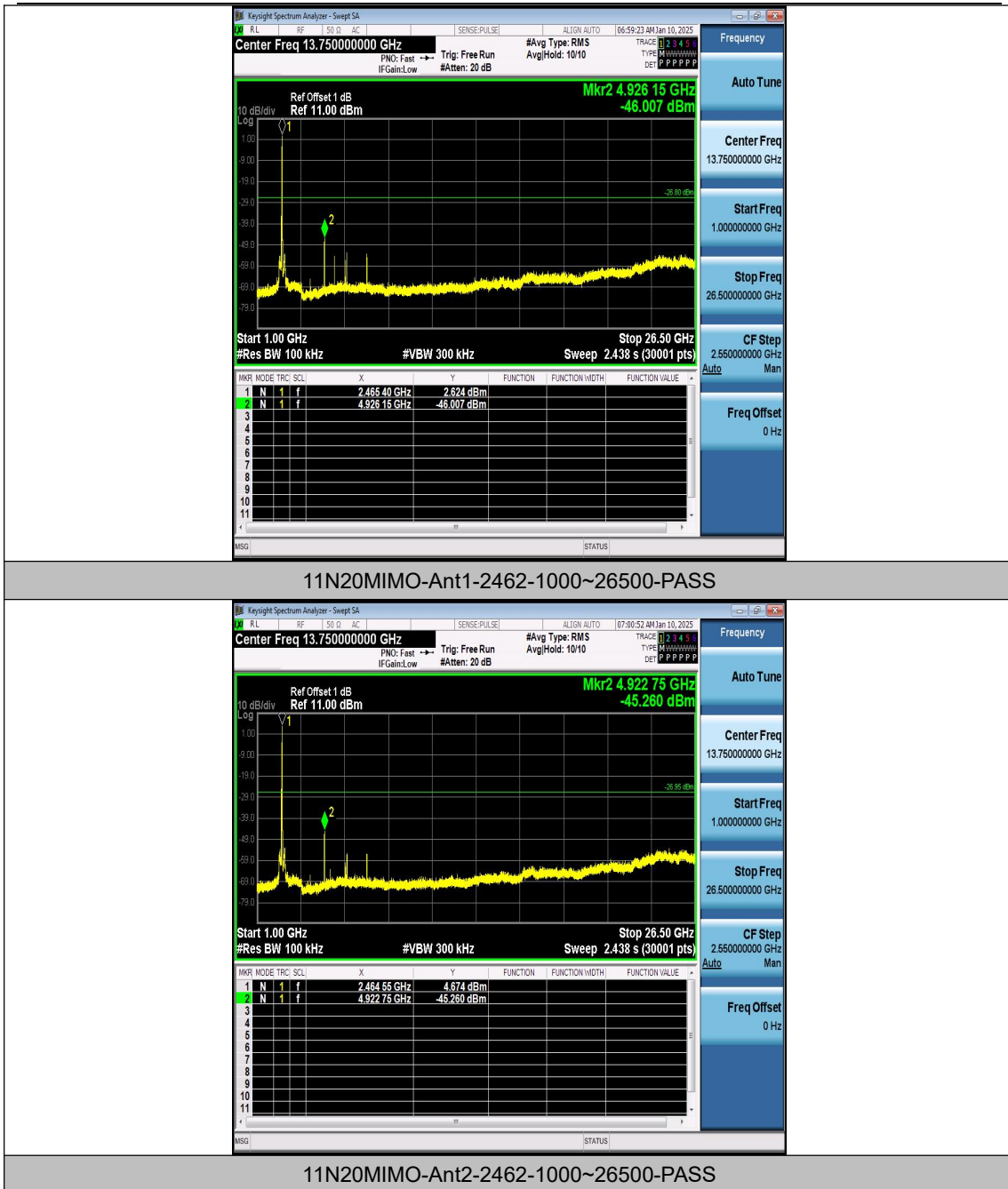


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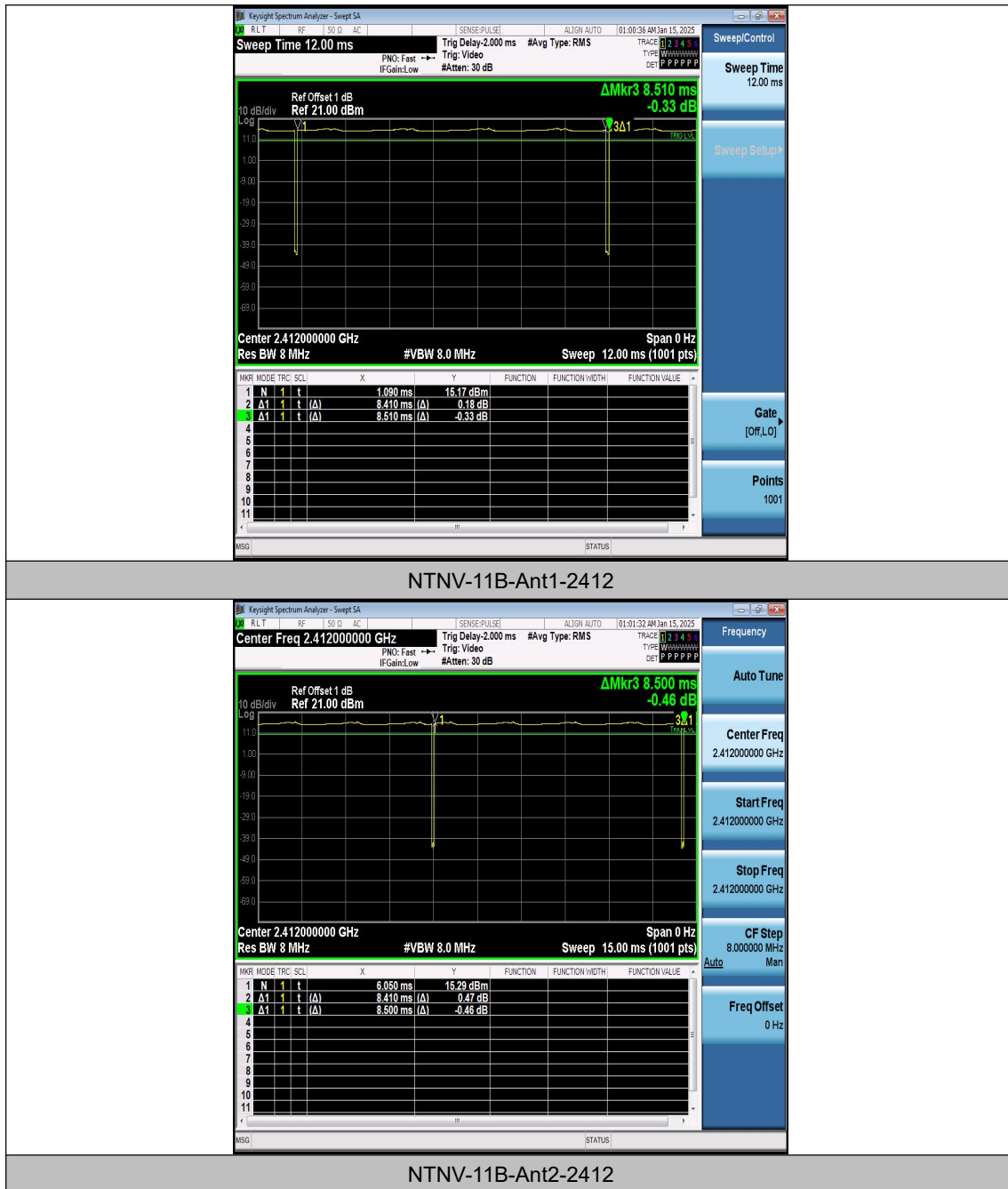
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.41	8.51	98.82	0.05
11B	Ant2	2412	8.41	8.50	98.94	0.05



Test Graphs



---End---