

Appendix Test Data

Report No.:	1814C50370712502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-27	Finish Test Date:	2025-11-28
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23°C	Relative Humidity:	33%
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	9.280	2407.440	2416.720	0.5	PASS
11B	Ant1	2437	9.280	2432.440	2441.720	0.5	PASS
11B	Ant1	2462	9.280	2457.440	2466.720	0.5	PASS

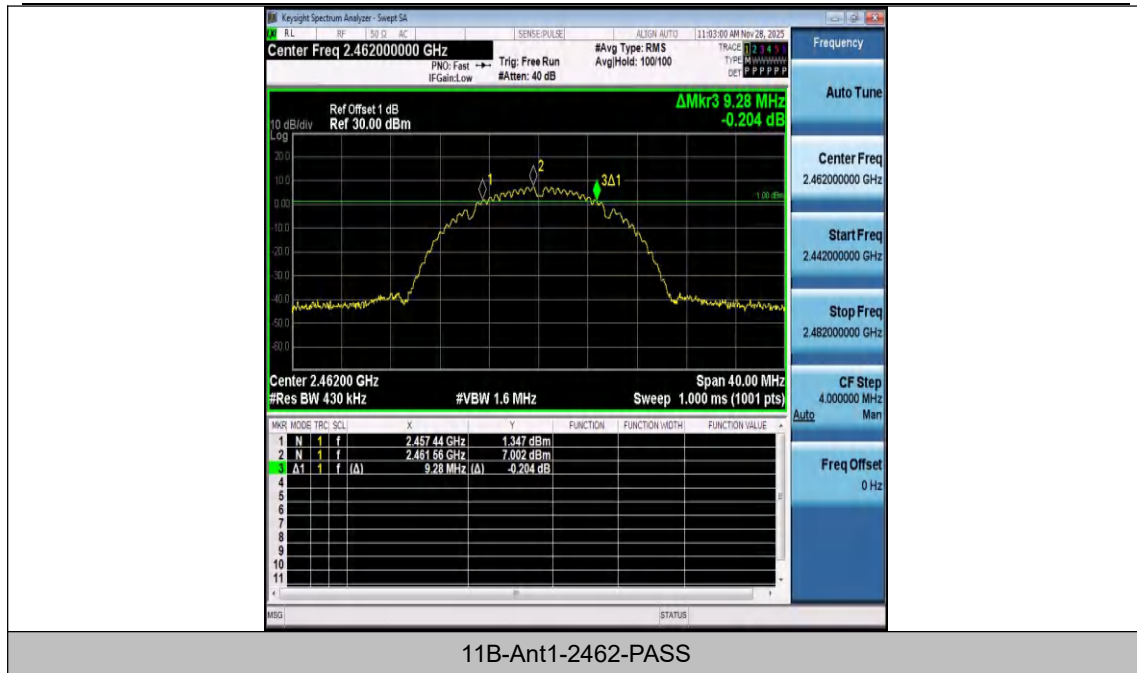
Test Graphs



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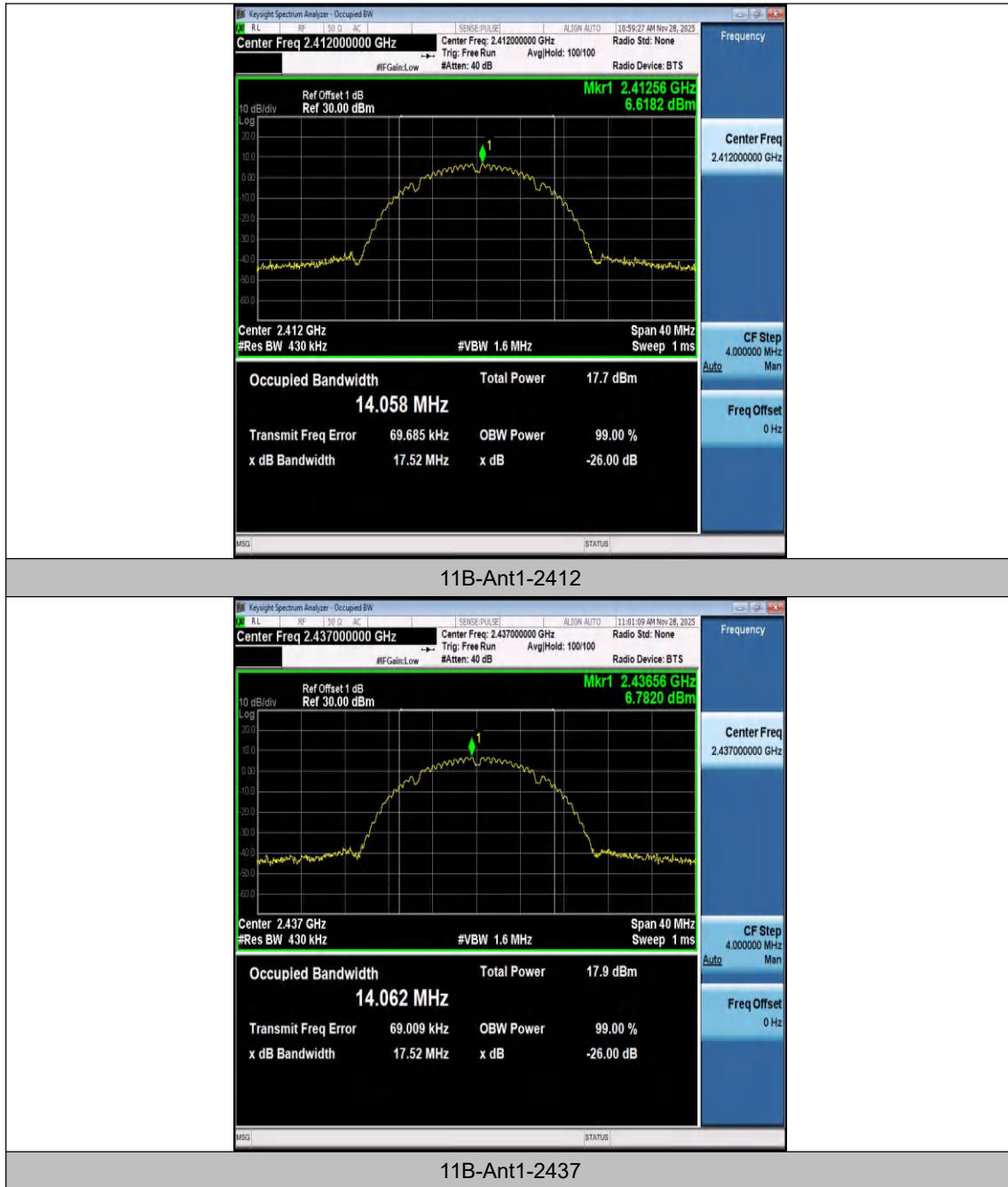
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.058	2405.0407	2419.0987	---	---
11B	Ant1	2437	14.062	2430.0380	2444.1000	---	---
11B	Ant1	2462	14.056	2455.0406	2469.0966	---	---

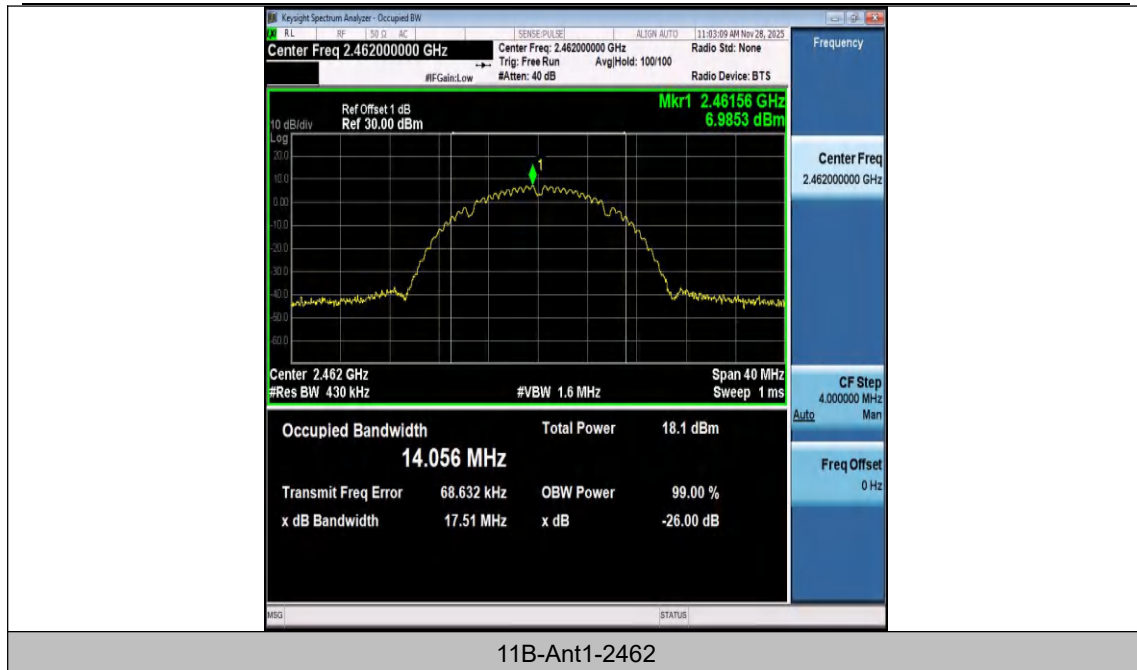
Test Graphs



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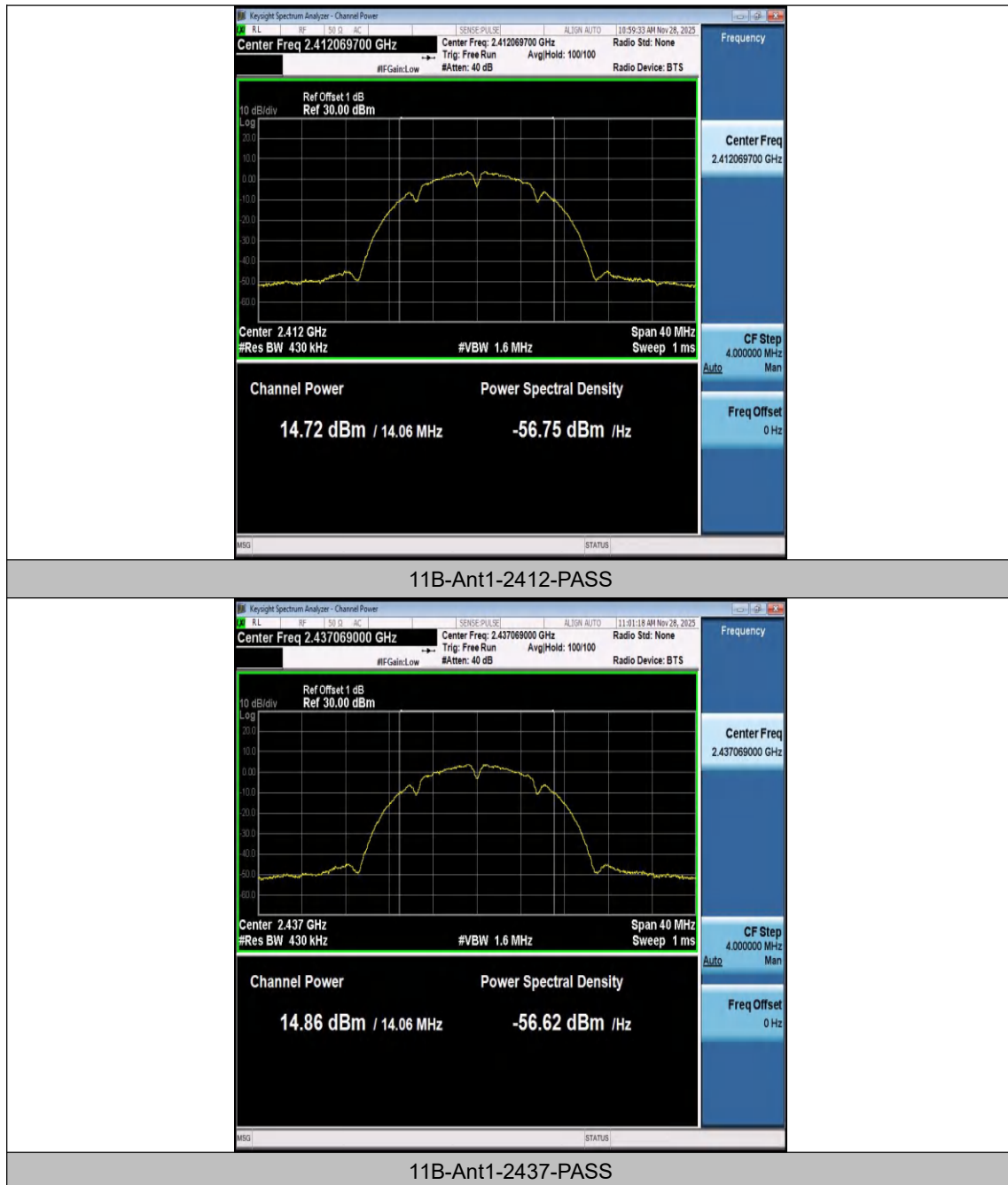
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.72	100.00	14.72	≤30.00	PASS
11B	Ant1	2437	14.86	100.00	14.86	≤30.00	PASS
11B	Ant1	2462	15.08	100.00	15.08	≤30.00	PASS

Note: The cable loss are compensated in the graph.

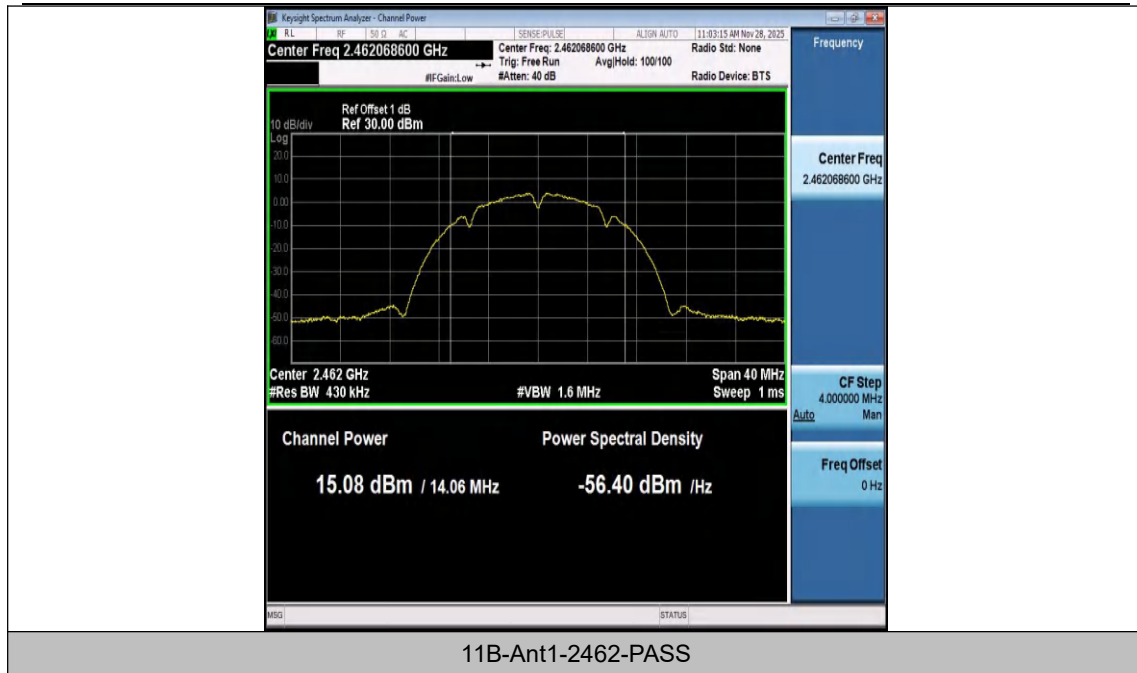
Test Graphs Average



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Appendix D: Maximum power spectral density

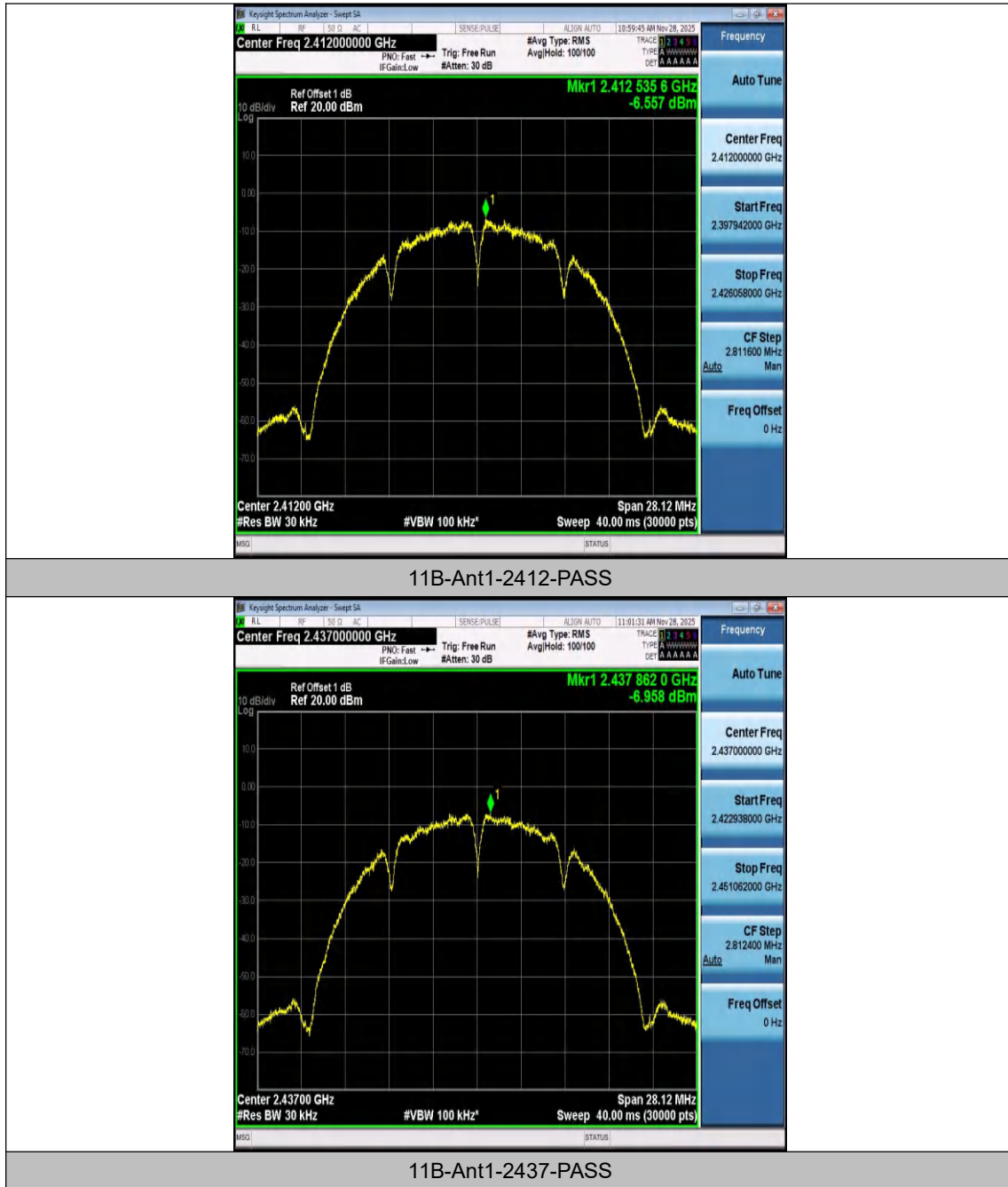
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.56	≤8.00	PASS
11B	Ant1	2437	-6.96	≤8.00	PASS
11B	Ant1	2462	-6.67	≤8.00	PASS

Note:

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

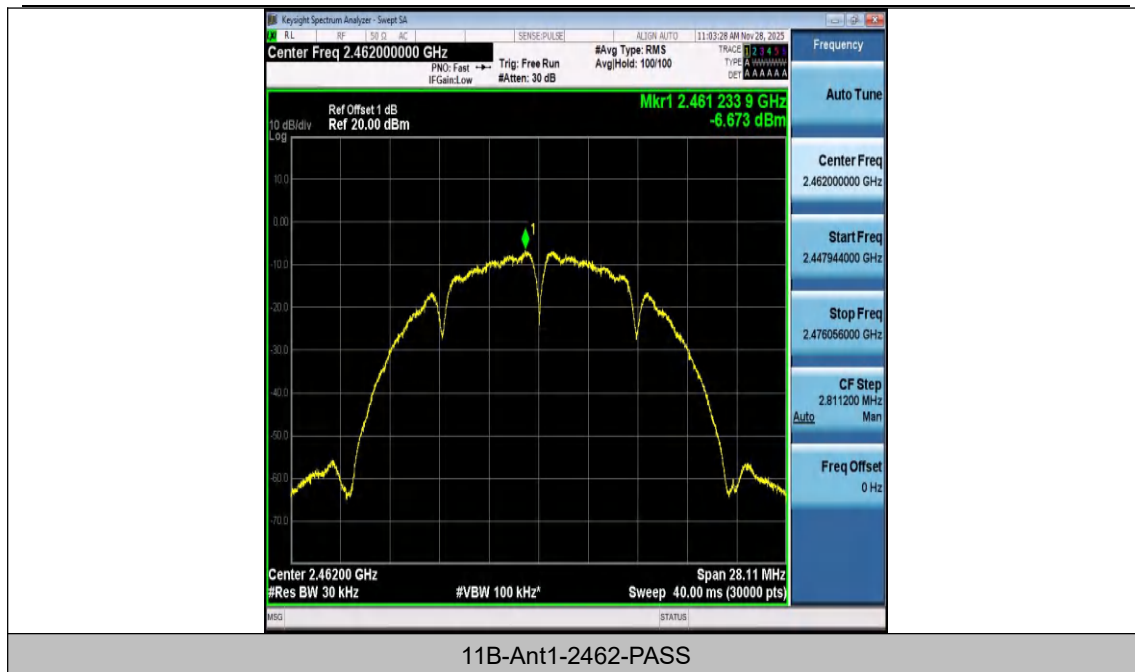
Test Graphs



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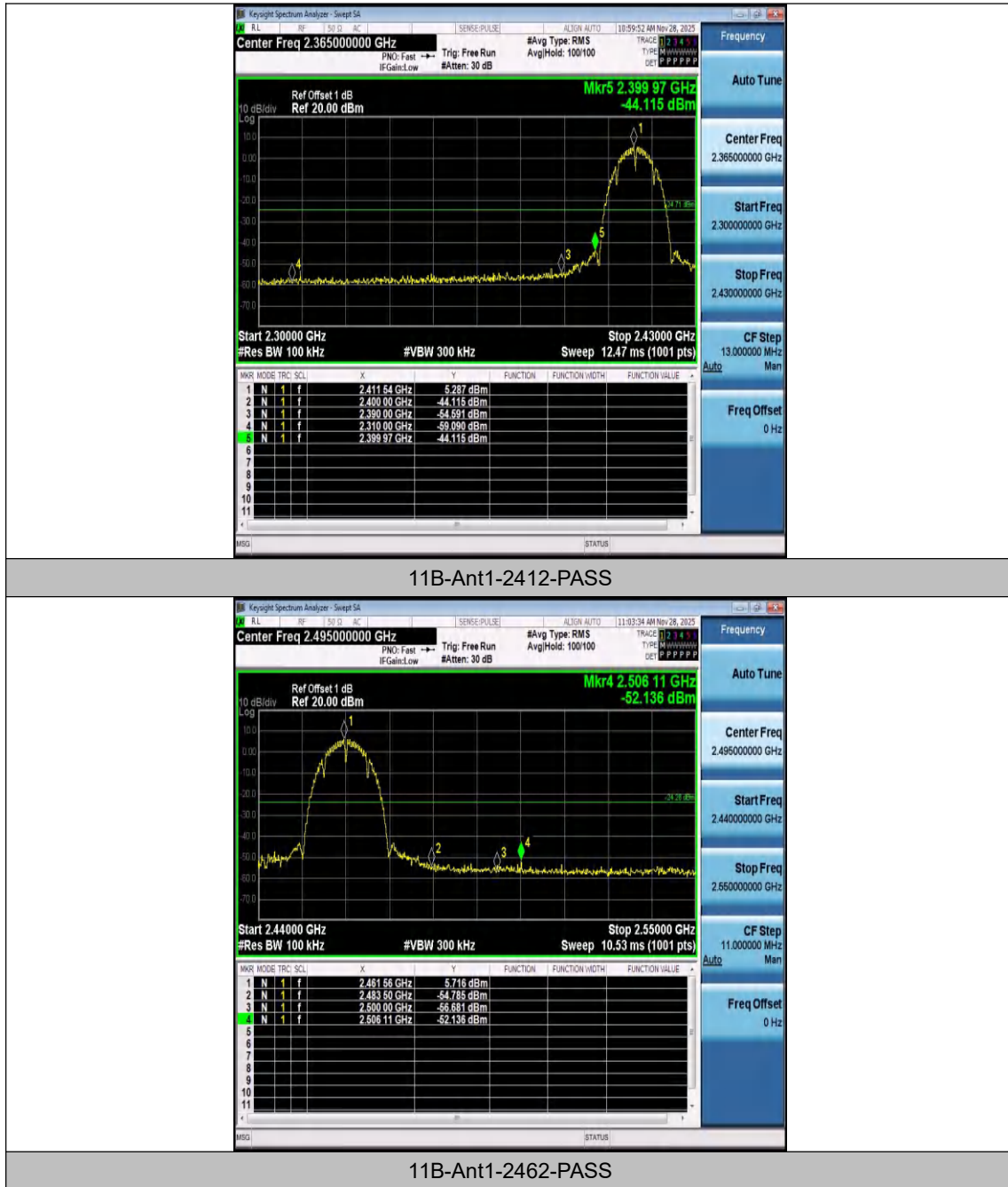
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.29	-44.12	≤-24.71	PASS
11B	Ant1	High	2462	5.72	-52.14	≤-24.28	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.

Test Graphs



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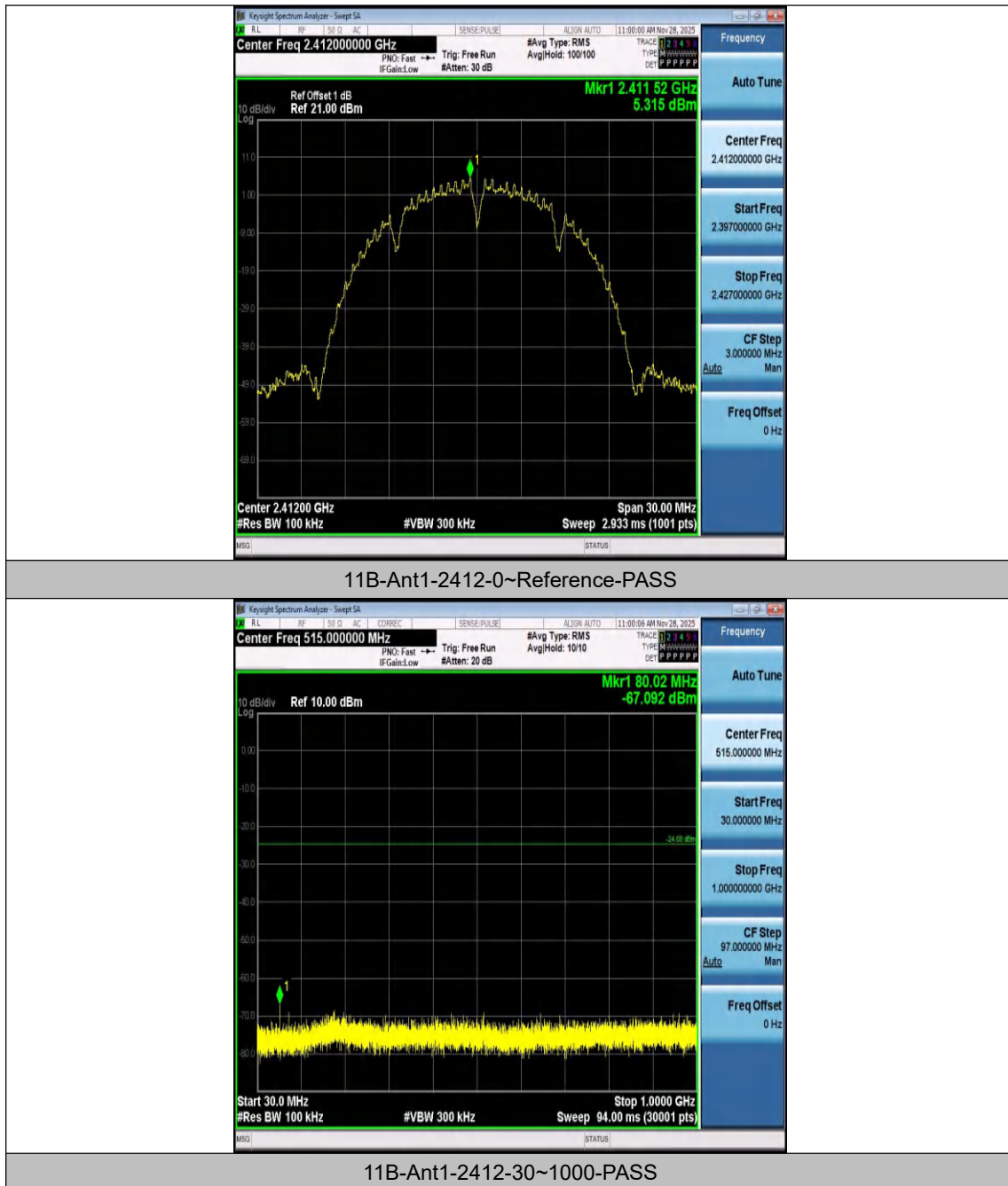
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.32	5.32	---	PASS
11B	Ant1	2412	30~1000	5.32	-67.09	≤-24.68	PASS
11B	Ant1	2412	1000~26500	5.32	-53.82	≤-24.68	PASS
11B	Ant1	2437	0~Reference	5.37	5.37	---	PASS
11B	Ant1	2437	30~1000	5.37	-66.74	≤-24.63	PASS
11B	Ant1	2437	1000~26500	5.37	-53.47	≤-24.63	PASS
11B	Ant1	2462	0~Reference	5.68	5.68	---	PASS
11B	Ant1	2462	30~1000	5.68	-66.62	≤-24.32	PASS
11B	Ant1	2462	1000~26500	5.68	-53.61	≤-24.32	PASS

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

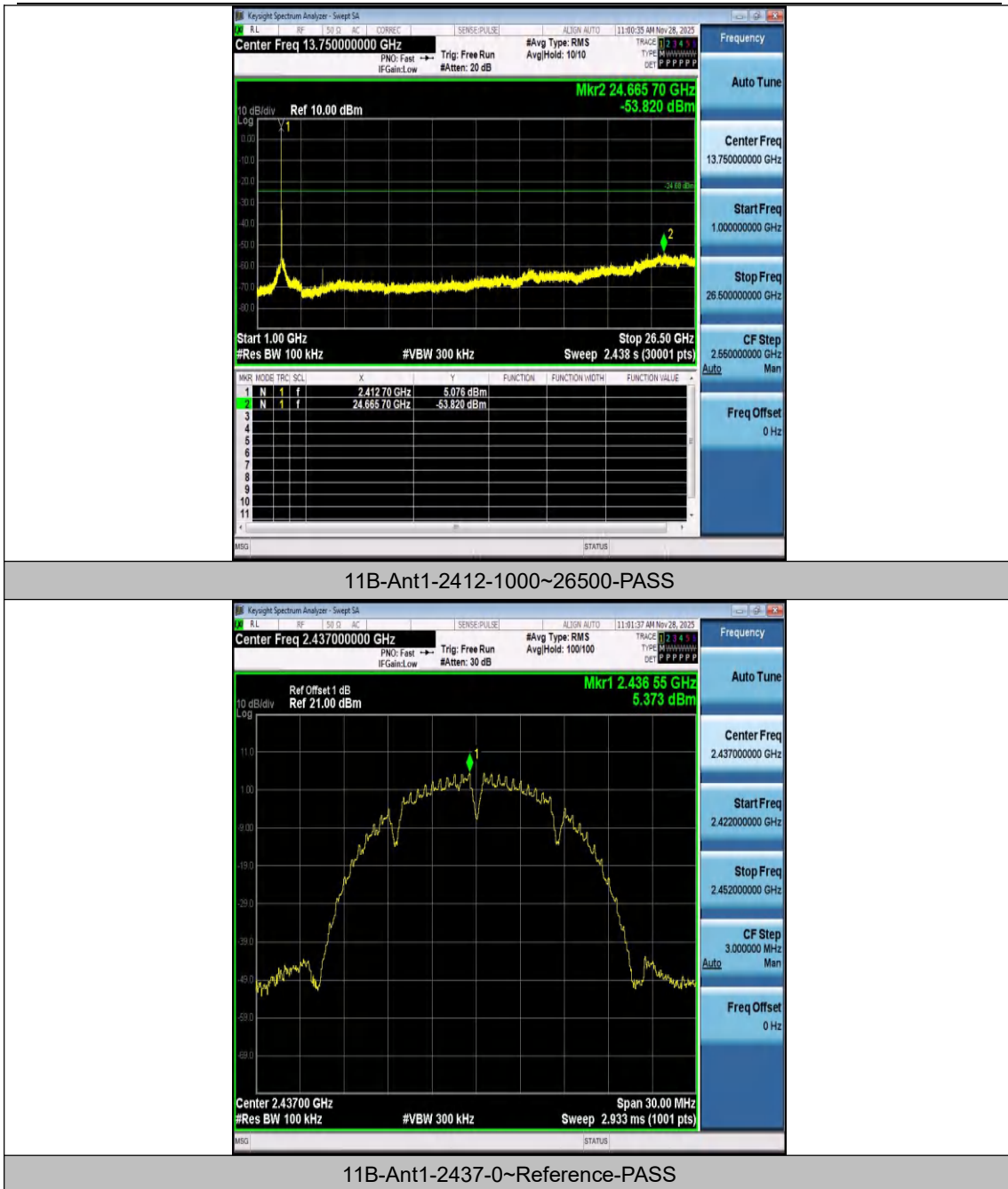
Test Graphs



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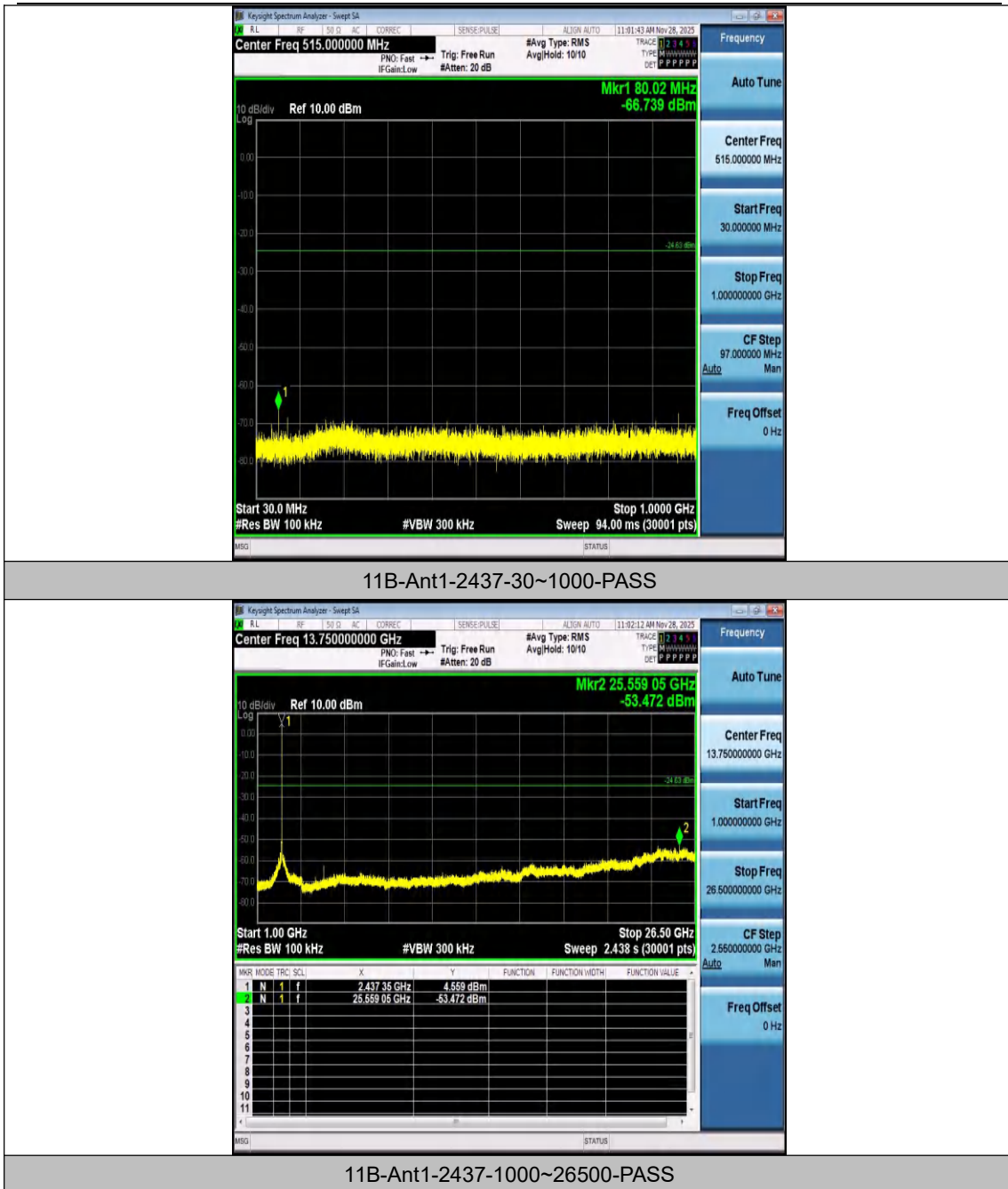
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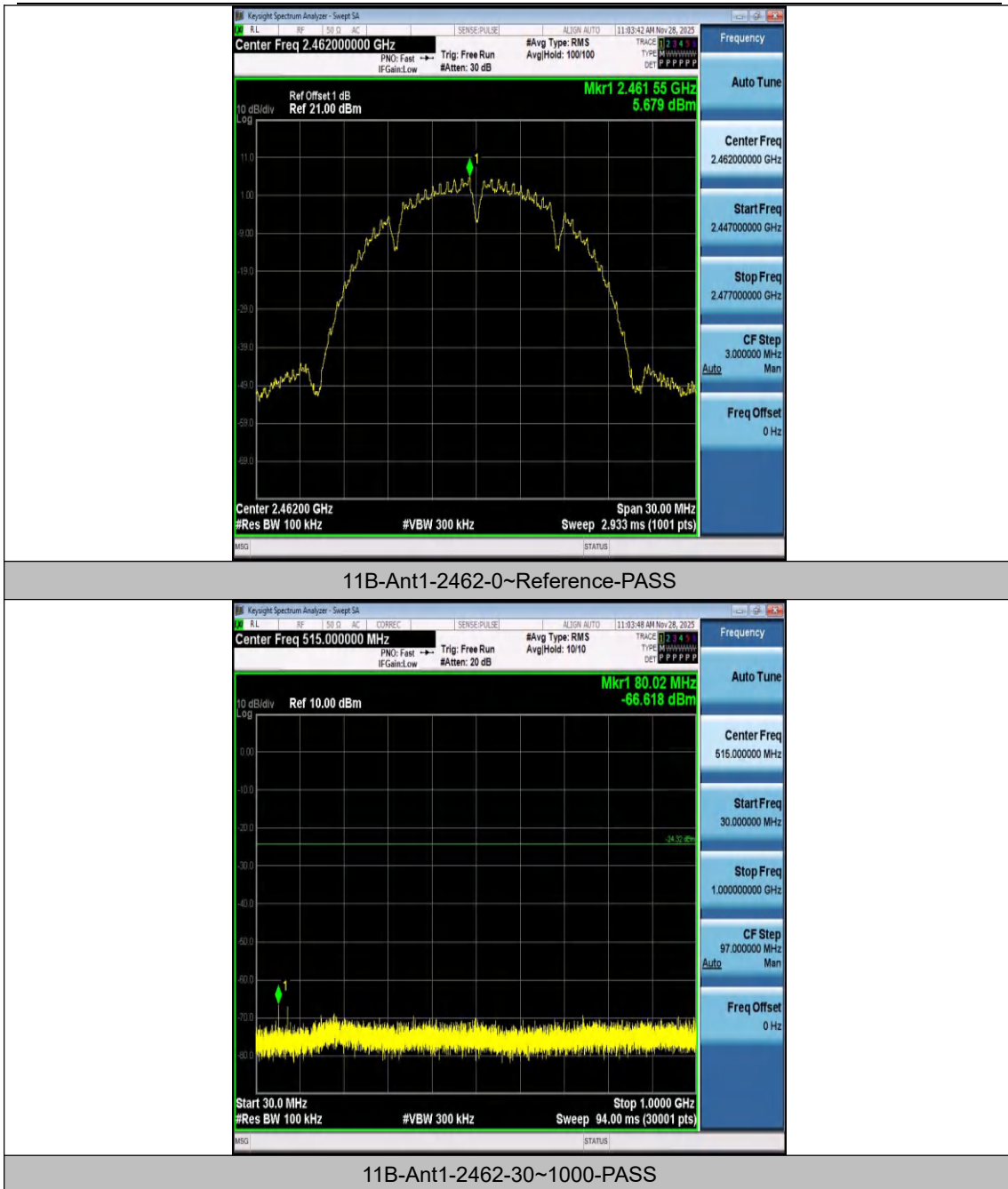
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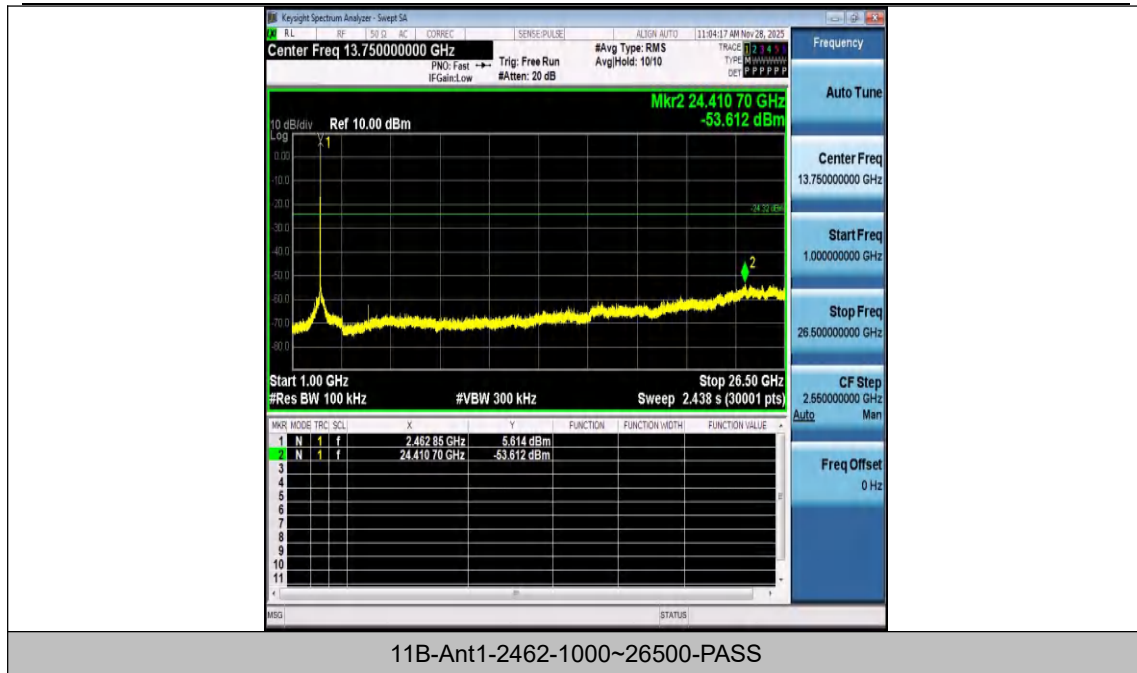
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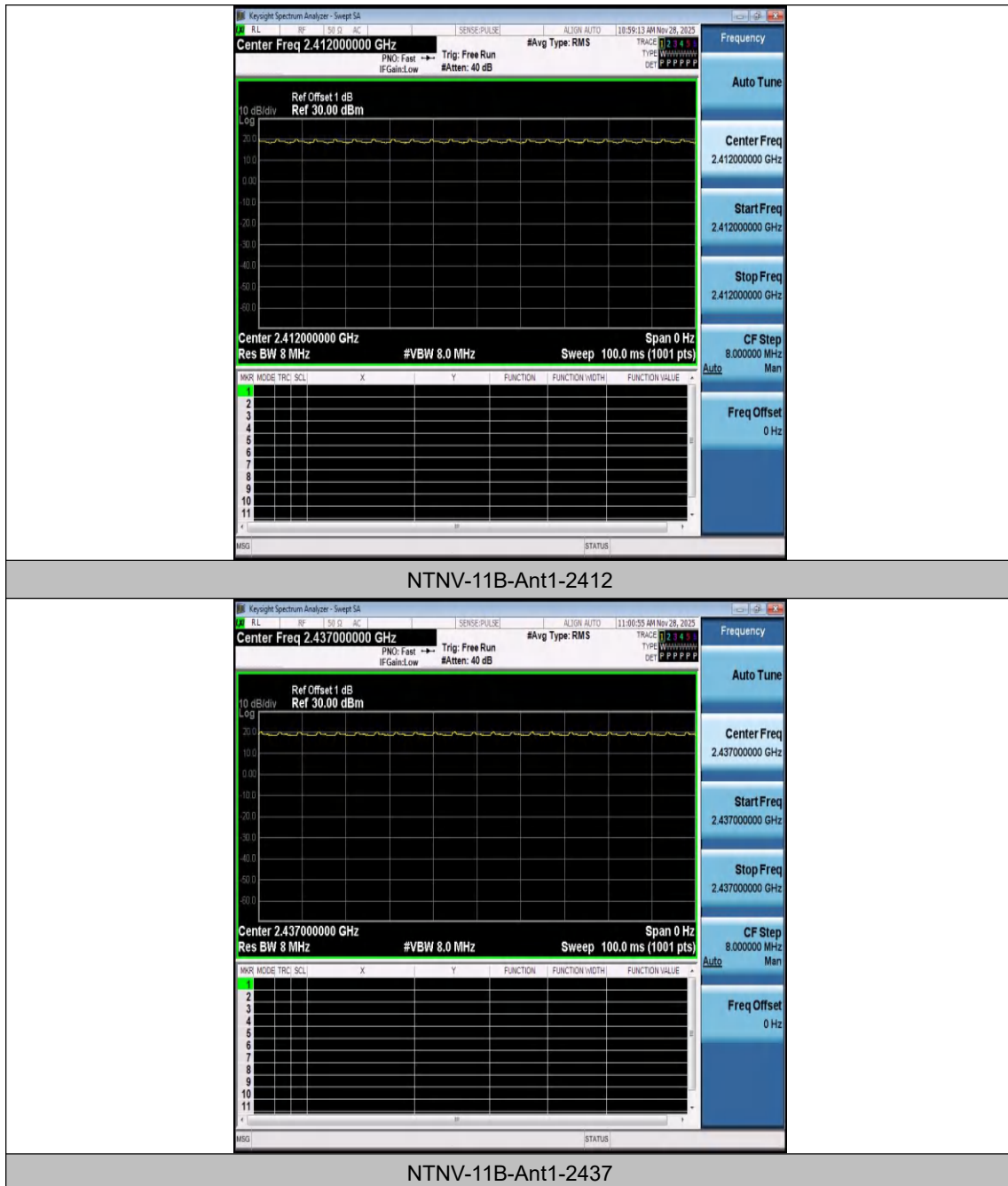
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00

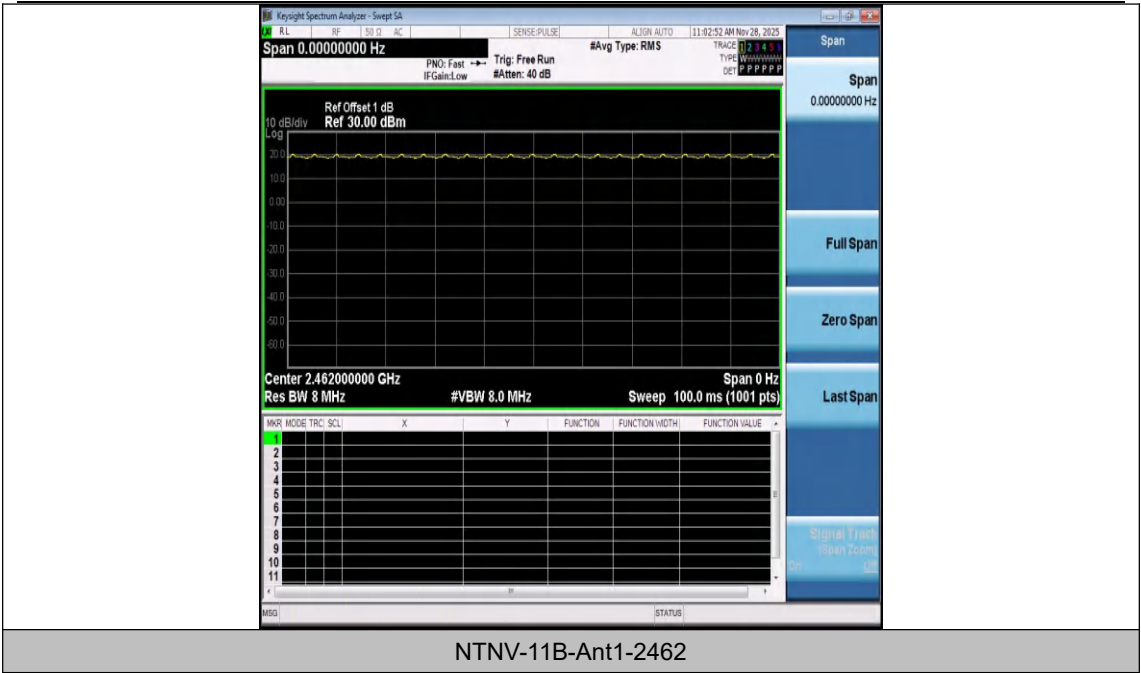
Test Graphs



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