

Appendix Test Data

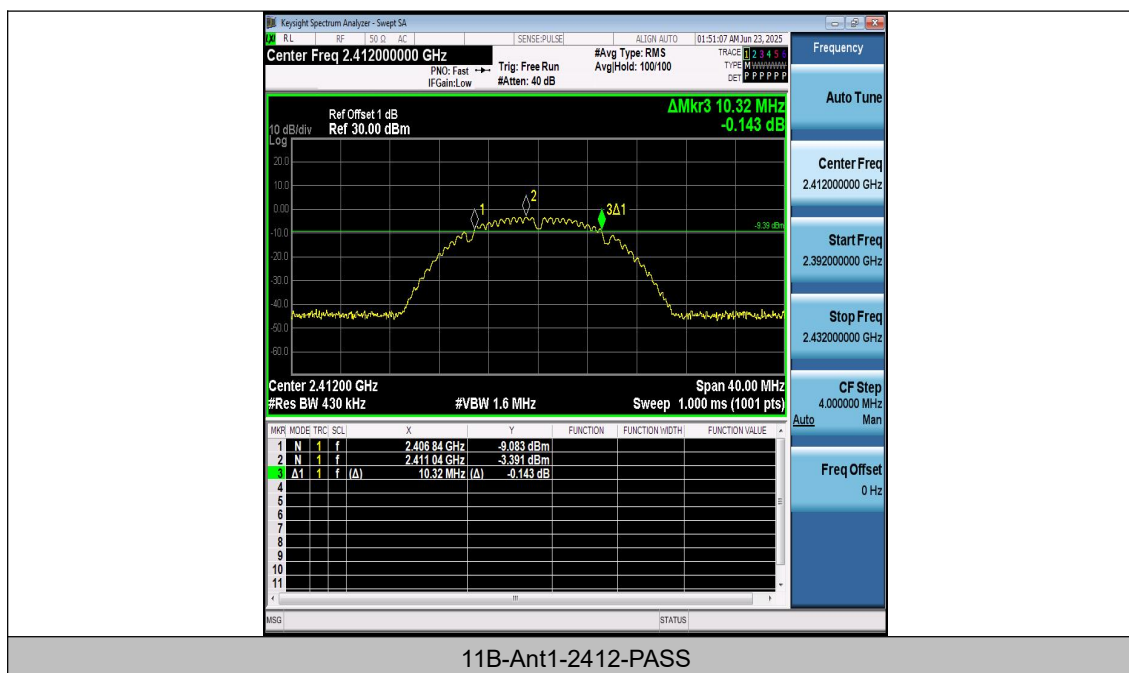
Report No.:	1825C50006812502	Test Sample No.:	1-2-2
Start Test Date:	2025-05-24	Finish Test Date:	2025-06-23
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25°C	Relative Humidity:	45%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.320	2406.840	2417.160	0.5	PASS
11B	Ant1	2437	9.720	2432.440	2442.160	0.5	PASS
11B	Ant1	2462	10.240	2456.840	2467.080	0.5	PASS

Test Graphs



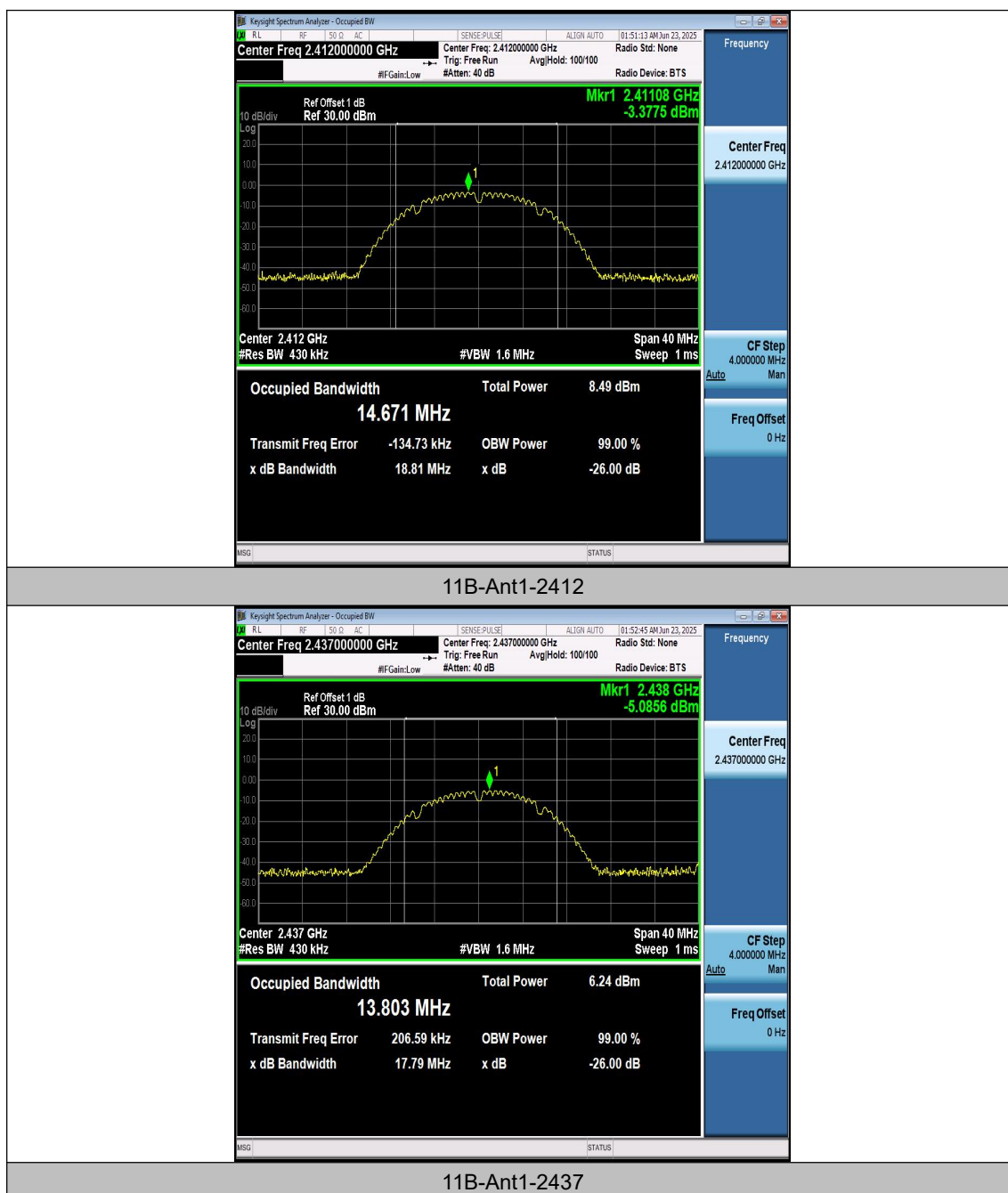


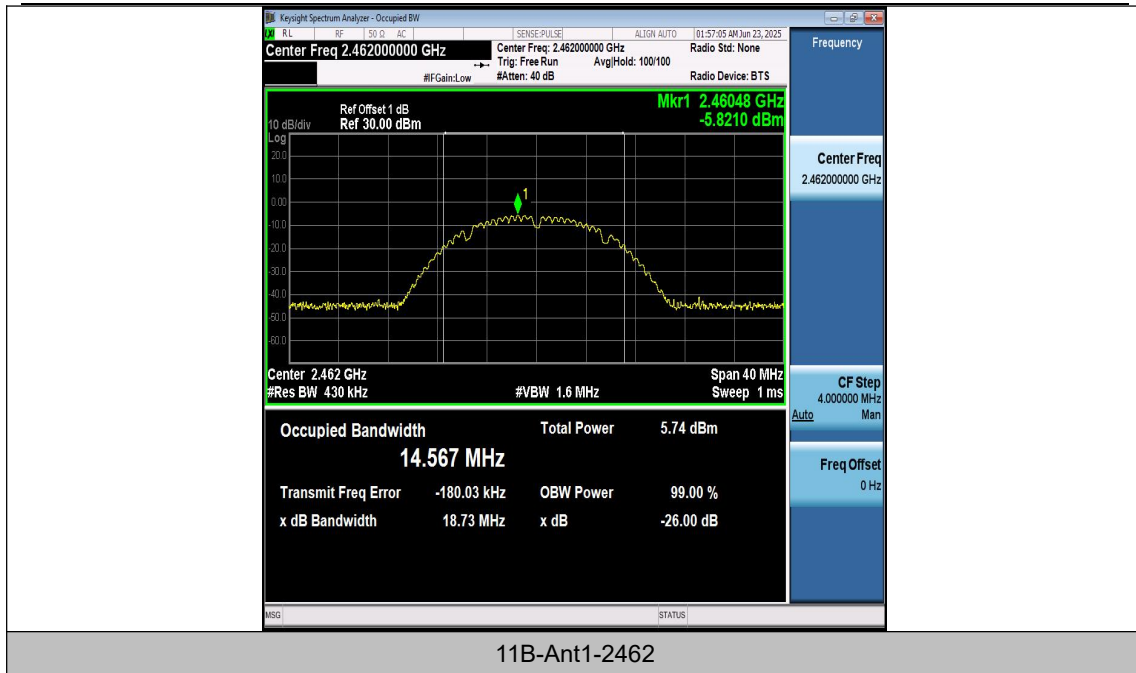
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.671	2404.5298	2419.2008	---	---
11B	Ant1	2437	13.803	2430.3051	2444.1081	---	---
11B	Ant1	2462	14.567	2454.5365	2469.1035	---	---

Test Graphs





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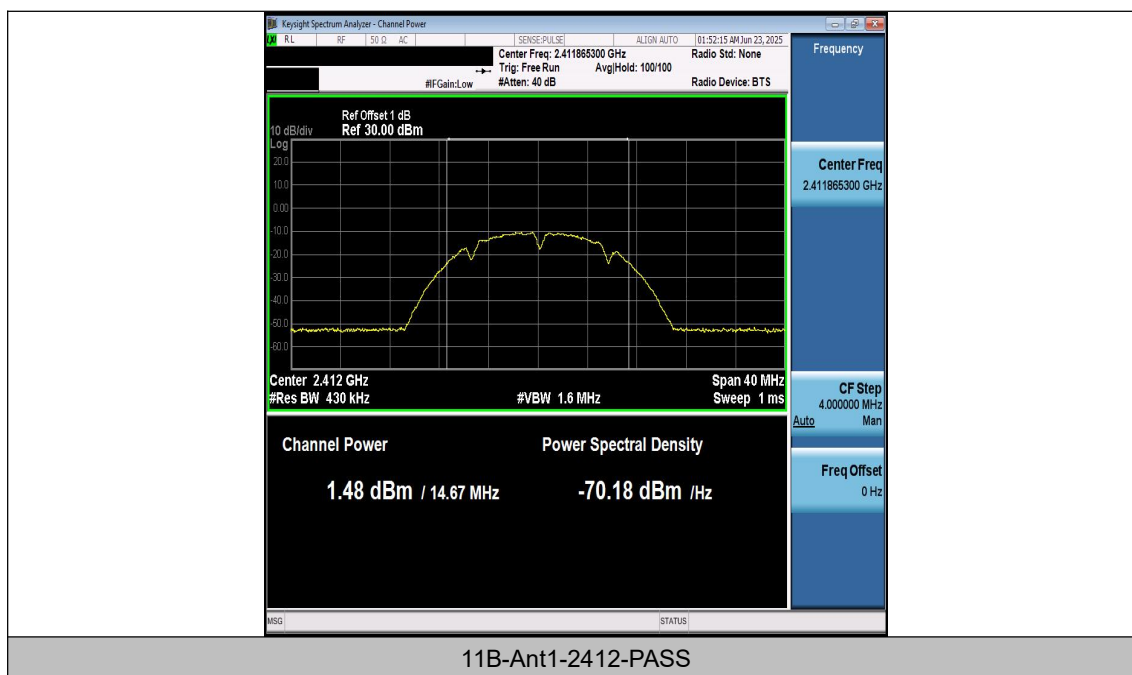
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	1.48	100.00	0.00	1.48	≤30.00	PASS
11B	Ant1	2437	1.86	100.00	0.00	1.86	≤30.00	PASS
11B	Ant1	2462	1.46	100.00	0.00	1.46	≤30.00	PASS

Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

Test Graphs Average





Appendix D: Maximum power spectral density

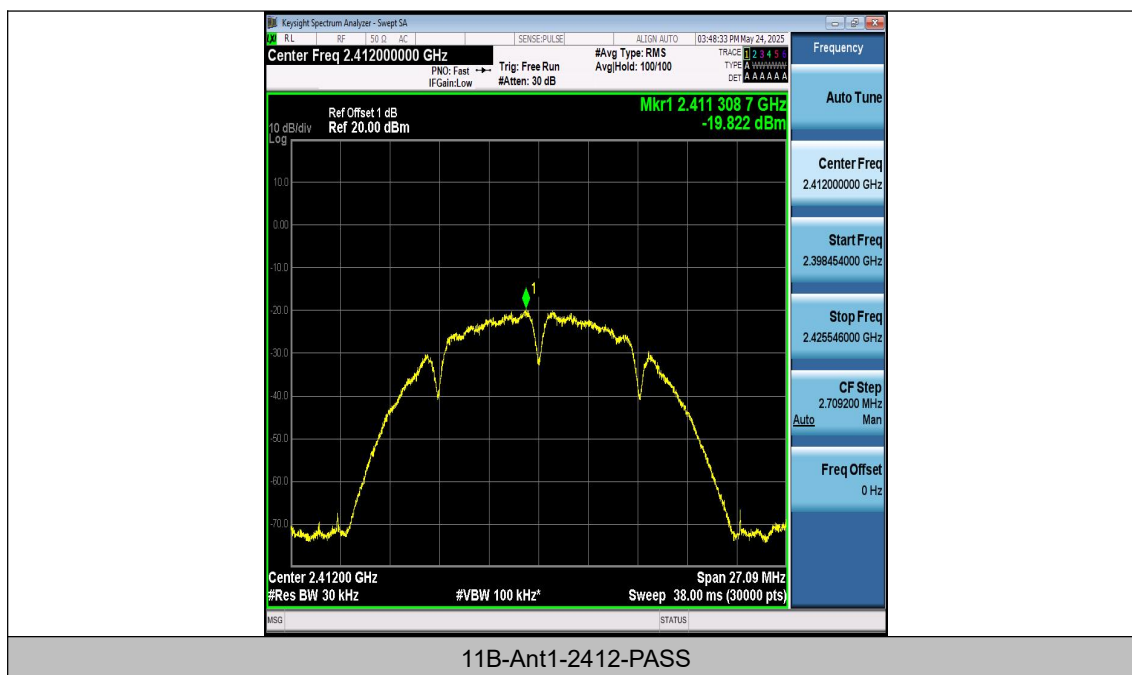
Test Result

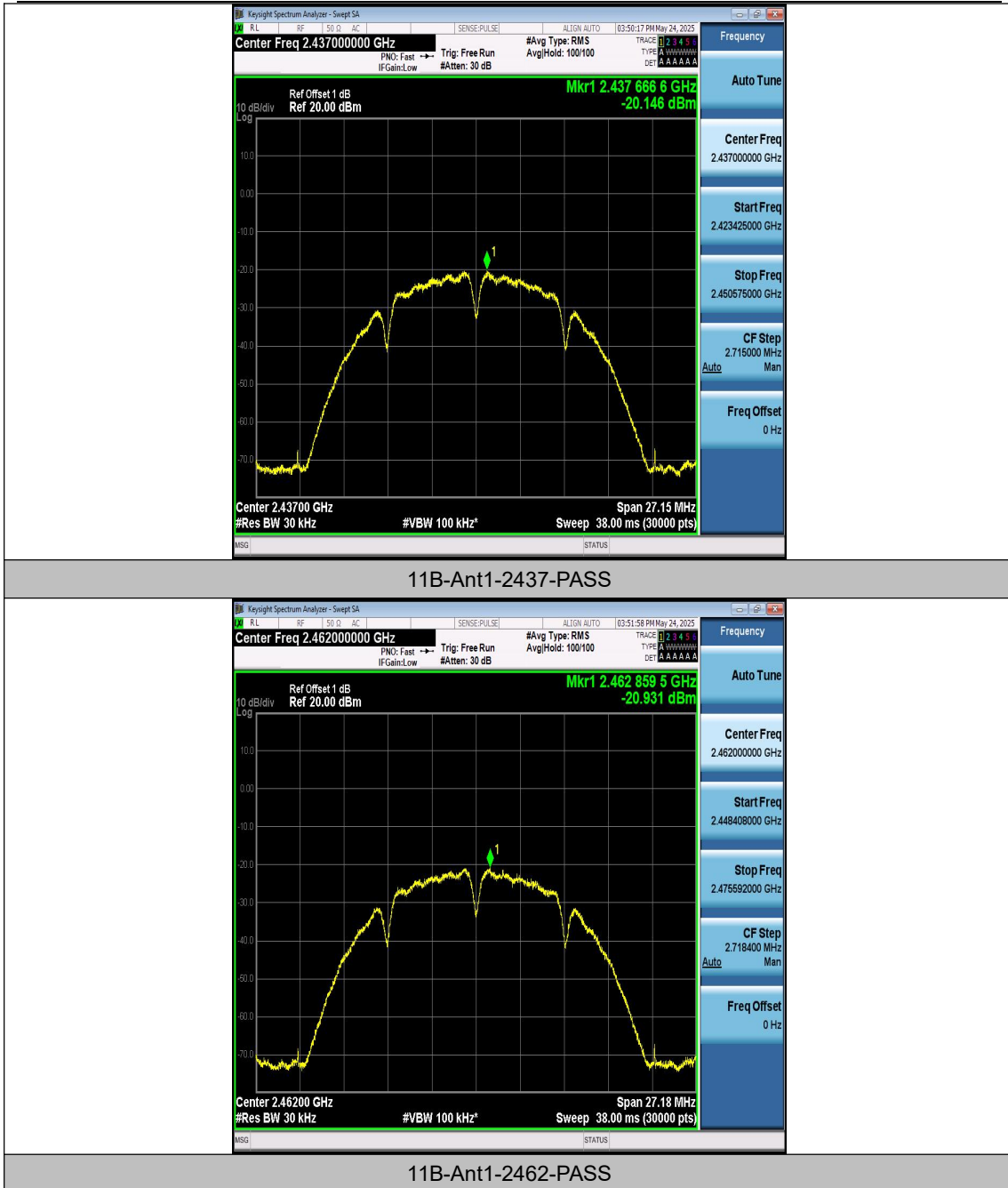
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.82	-29.82	≤8.00	PASS
11B	Ant1	2437	-20.15	-30.15	≤8.00	PASS
11B	Ant1	2462	-20.93	-30.93	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and 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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Appendix E: Conducted Band edge

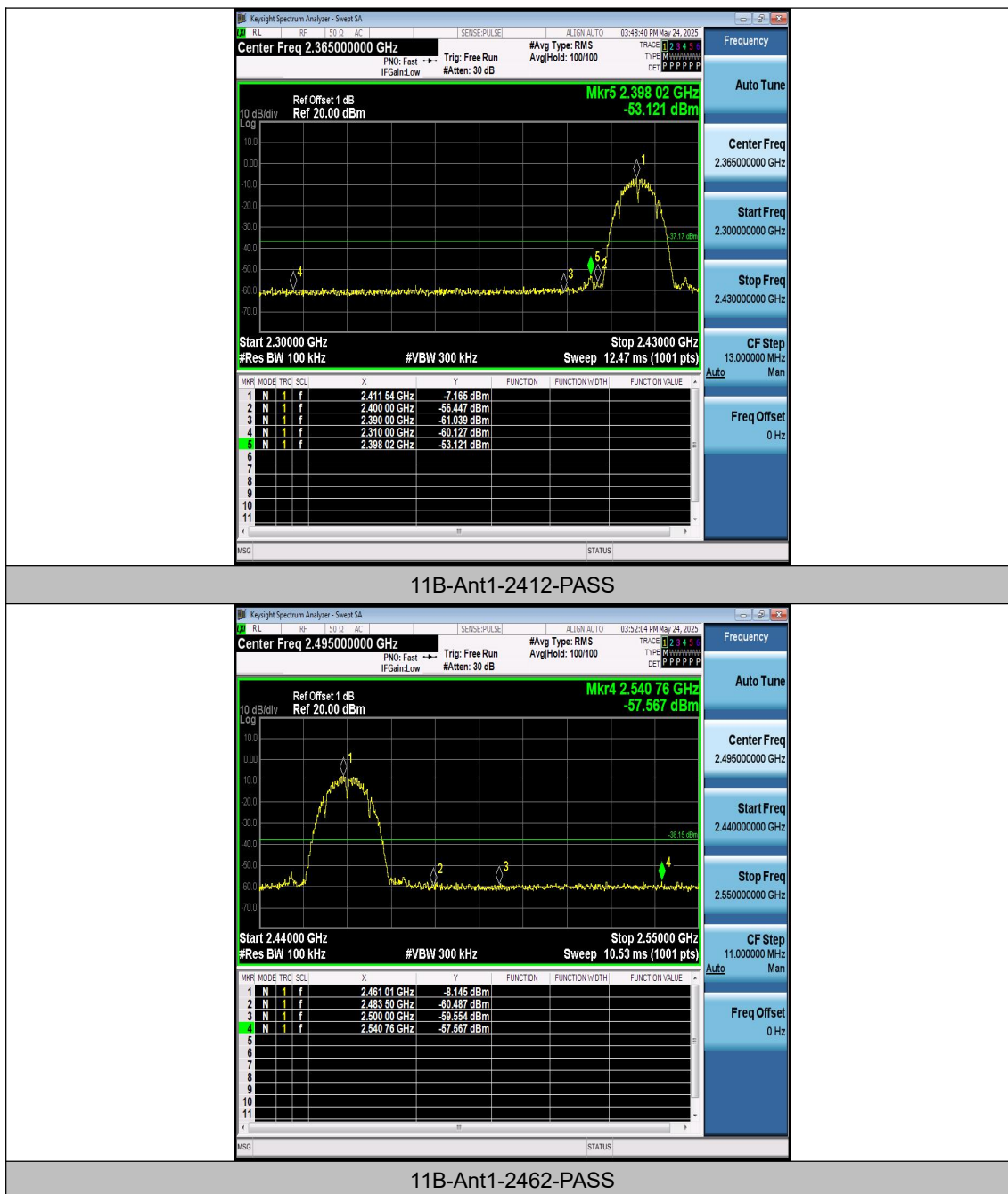
Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-7.17	-53.12	≤ -37.17	PASS
11B	Ant1	High	2462	-8.15	-57.57	≤ -38.15	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



Appendix F: Conducted Spurious Emission

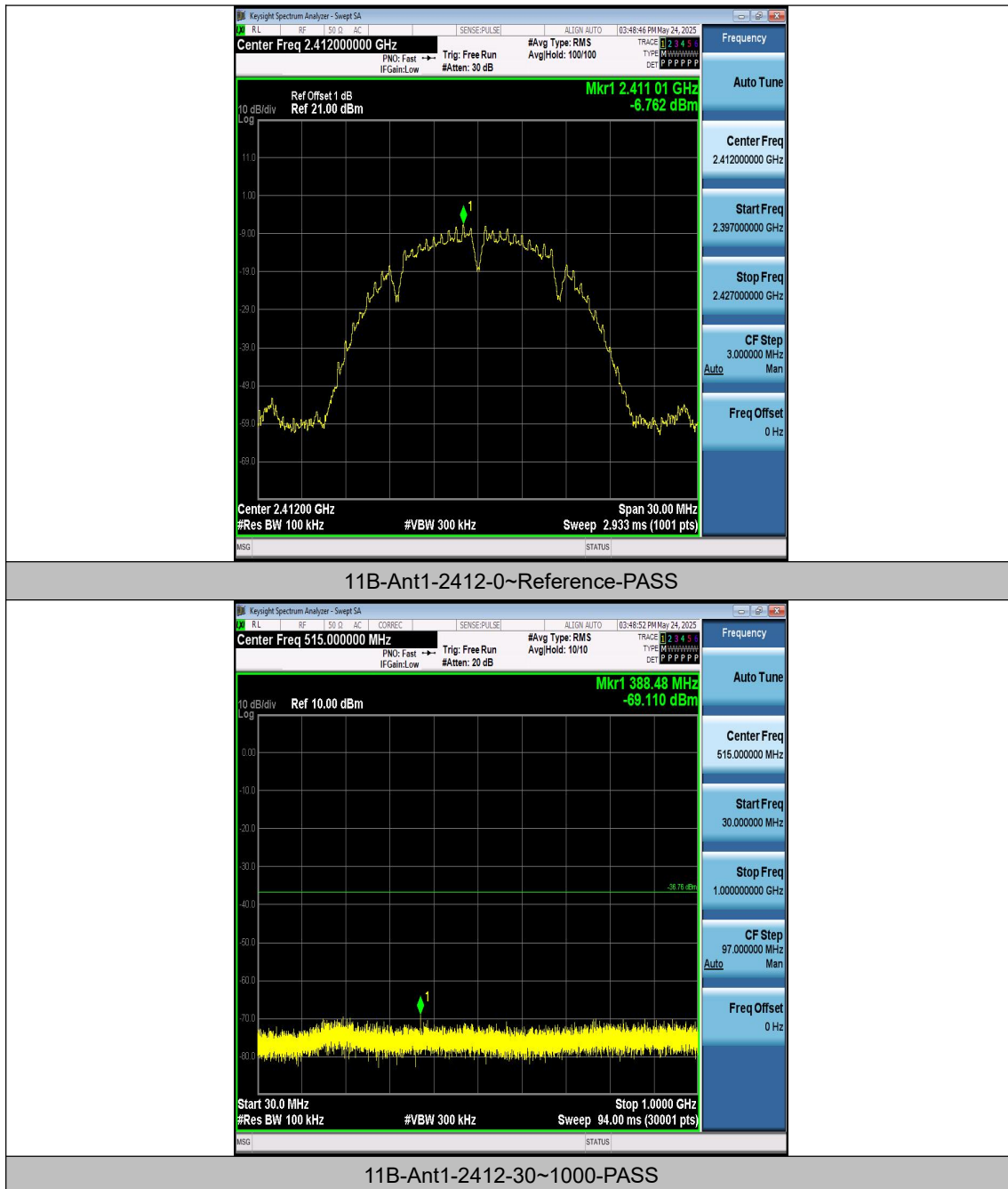
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	-6.76	-6.76	---	PASS
11B	Ant1	2412	30~1000	-6.76	-69.11	≤-36.76	PASS
11B	Ant1	2412	1000~26500	-6.76	-54.06	≤-36.76	PASS
11B	Ant1	2437	0~Reference	-7.31	-7.31	---	PASS
11B	Ant1	2437	30~1000	-7.31	-69.18	≤-37.31	PASS
11B	Ant1	2437	1000~26500	-7.31	-54.02	≤-37.31	PASS
11B	Ant1	2462	0~Reference	-7.40	-7.40	---	PASS
11B	Ant1	2462	30~1000	-7.40	-69.01	≤-37.4	PASS
11B	Ant1	2462	1000~26500	-7.40	-53.98	≤-37.4	PASS

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



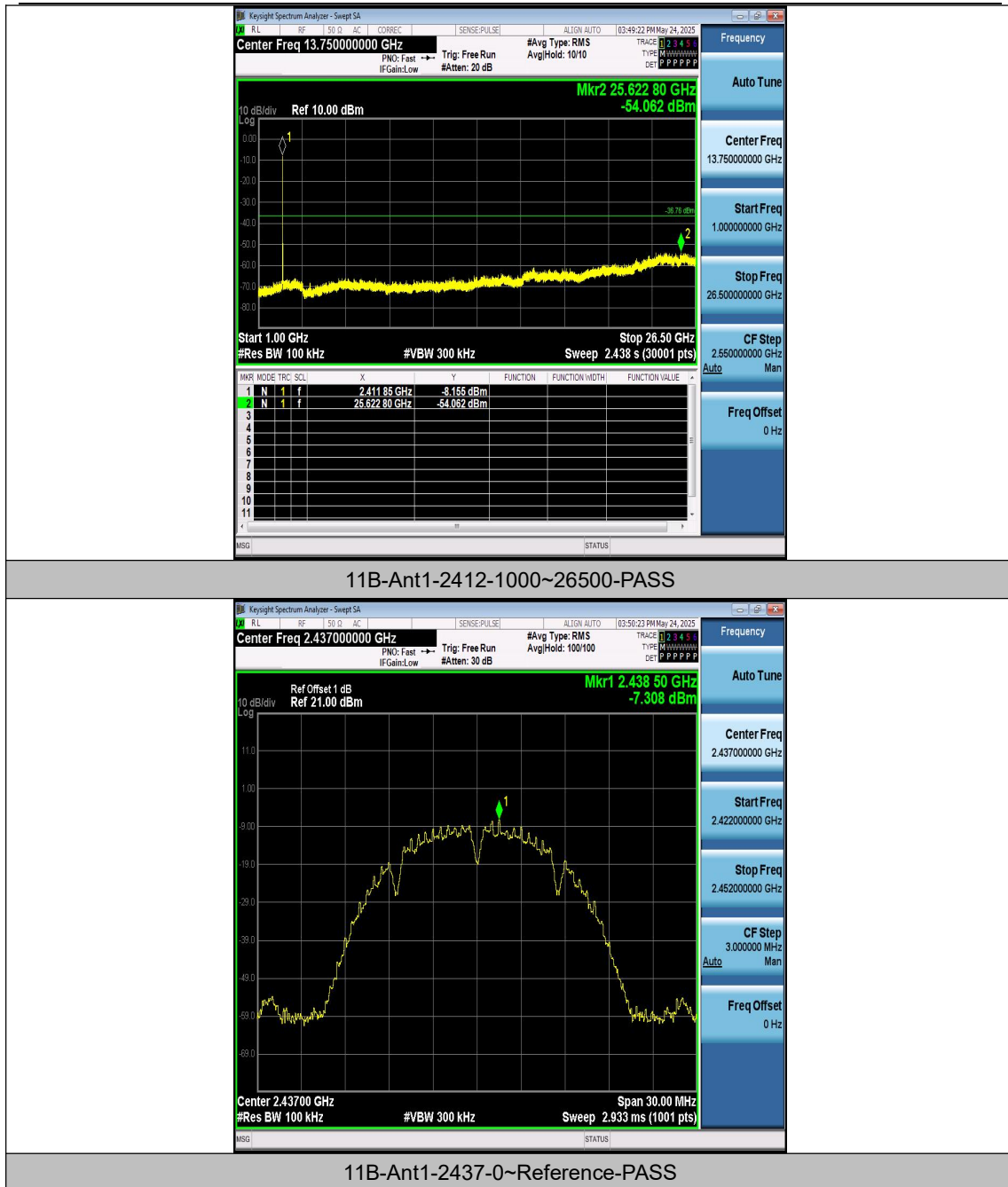
Test Graphs



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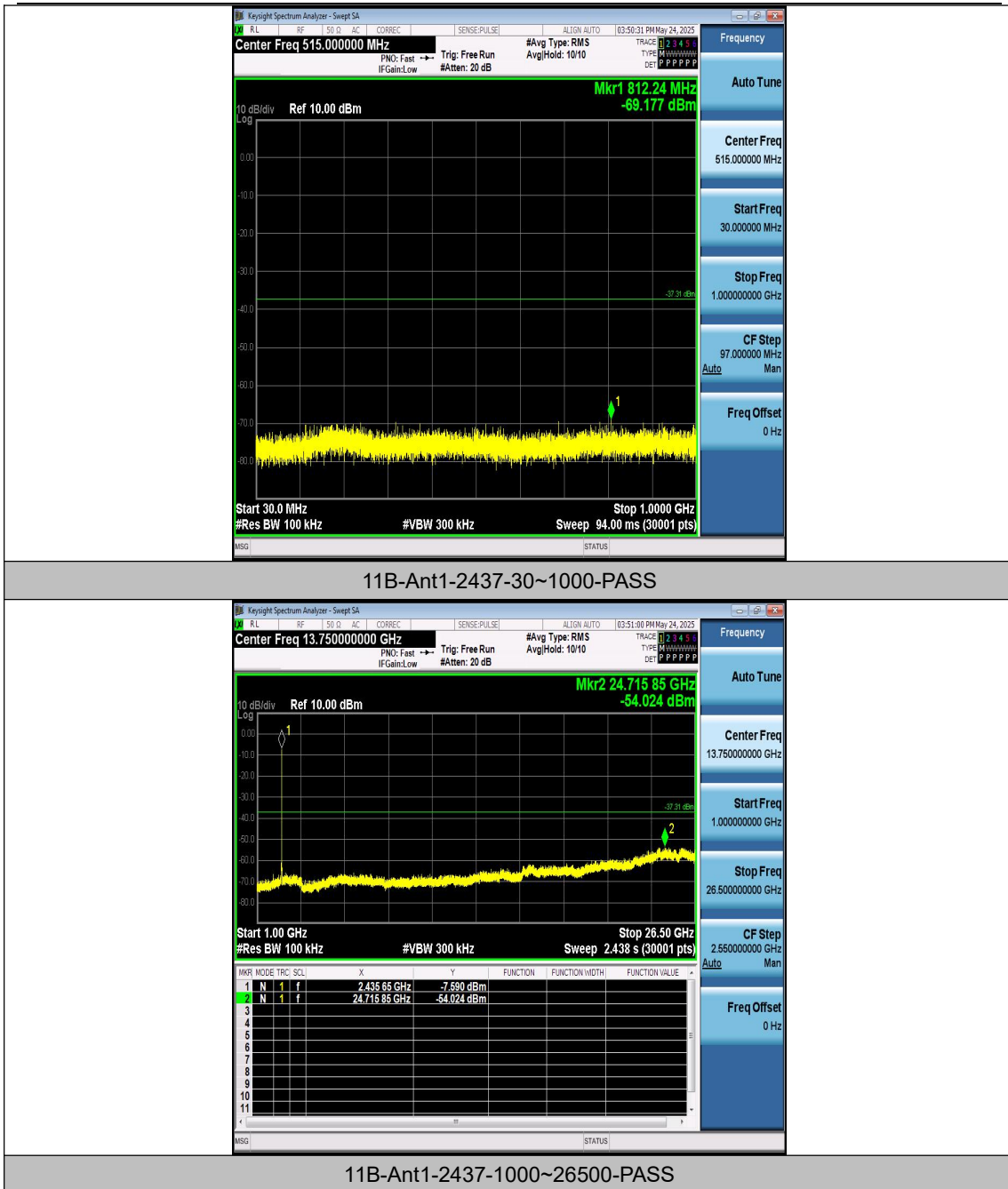


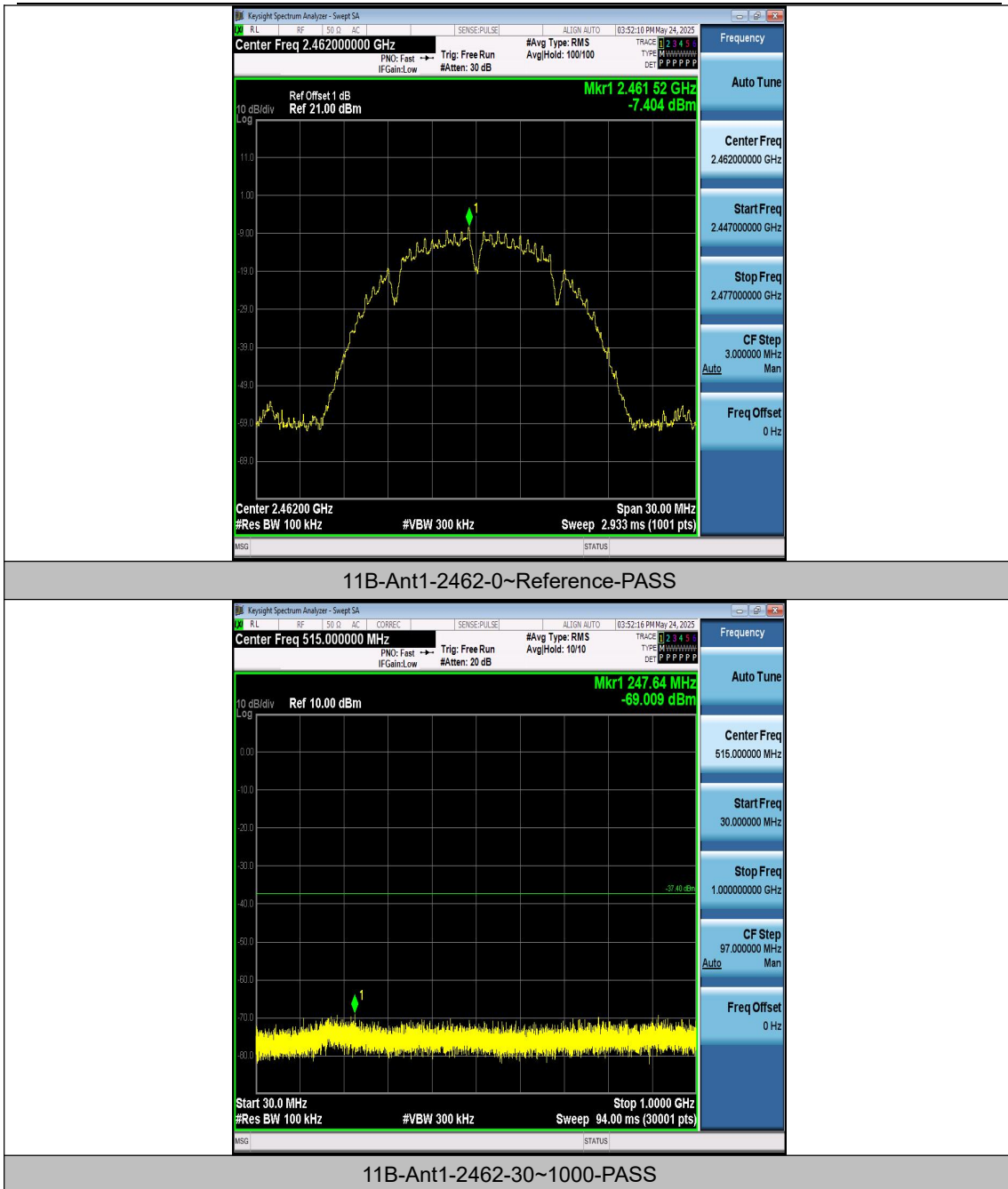
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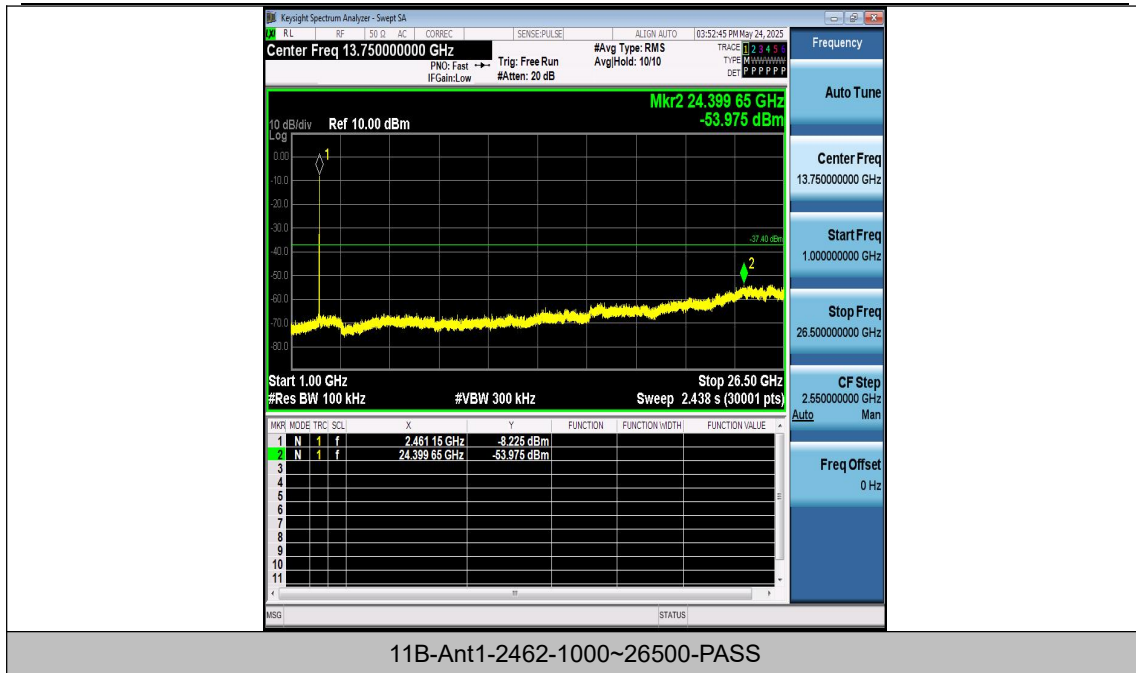




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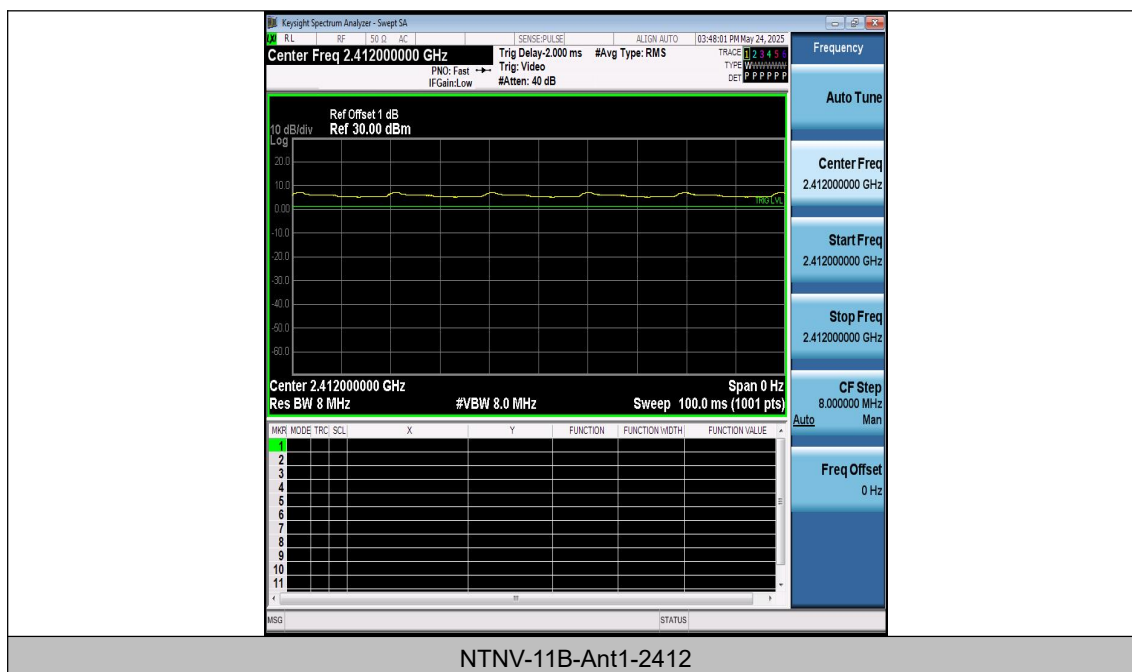
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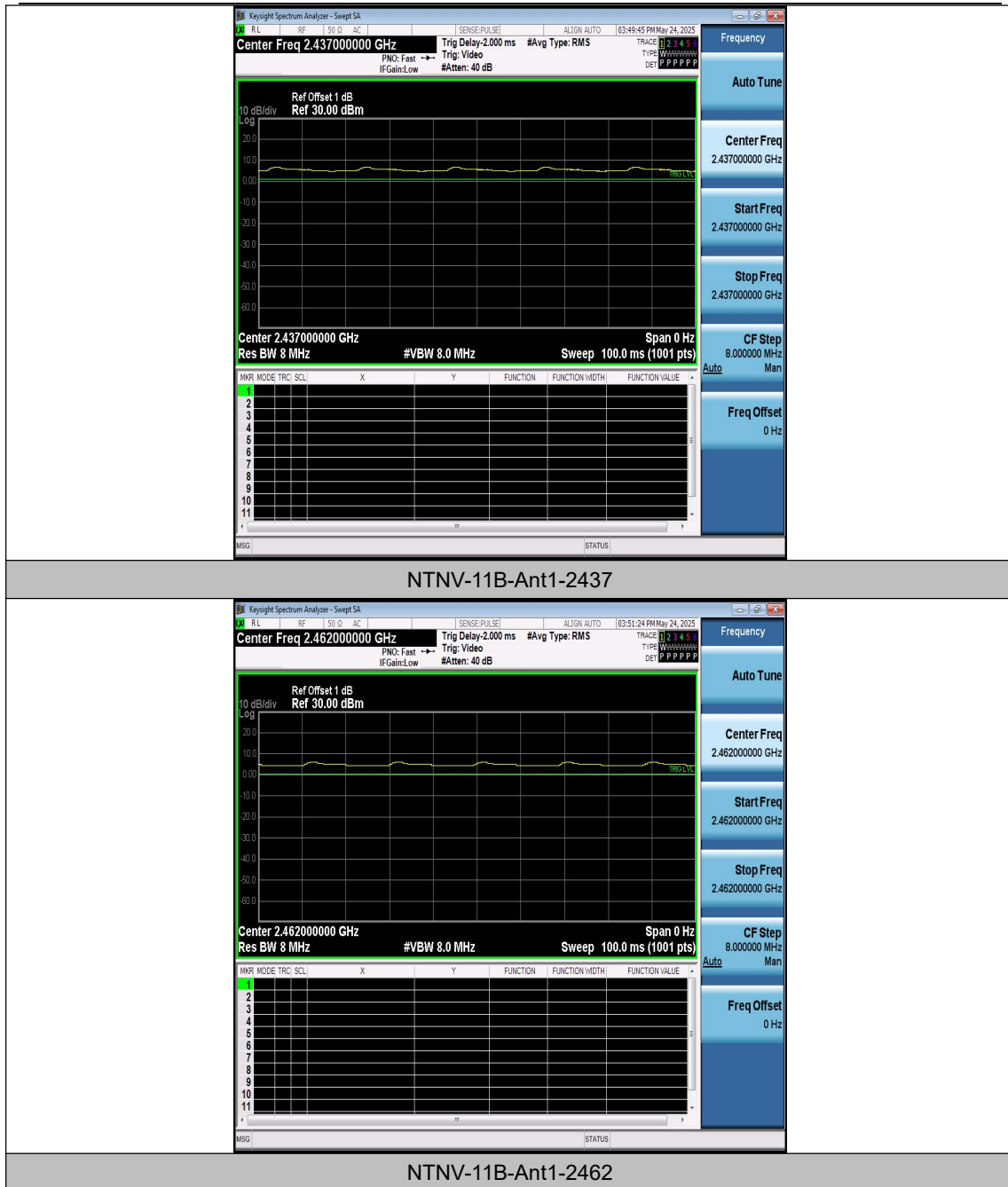
Appendix G: Duty Cycle

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





---End---