

Appendix Test Data

Report No.:	1812C50384412501	Test Sample No.:	1-2-2
Start Test Date:	2025-08-13	Finish Test Date:	2025-08-13
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.3°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	10.160	2406.960	2417.120	0.5	PASS
11B	Ant1	2437	10.200	2431.920	2442.120	0.5	PASS
11B	Ant1	2462	10.200	2456.920	2467.120	0.5	PASS

Test Graphs





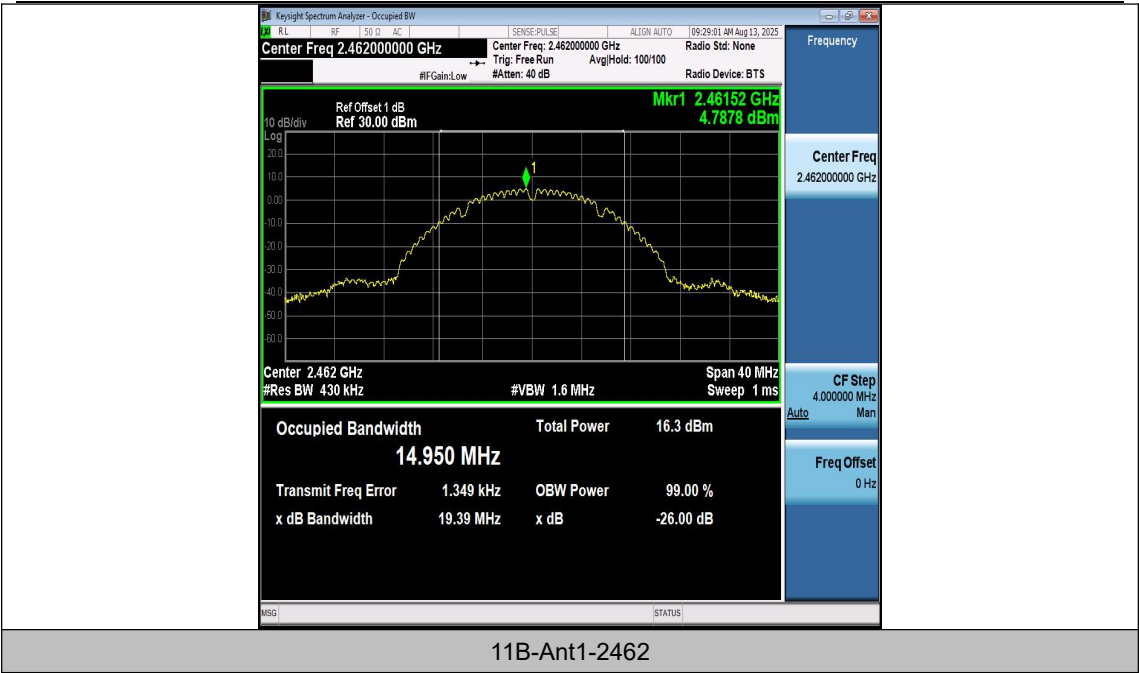
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.918	2404.6111	2419.5291	---	---
11B	Ant1	2437	14.963	2429.5656	2444.5286	---	---
11B	Ant1	2462	14.950	2454.5264	2469.4764	---	---

Test Graphs





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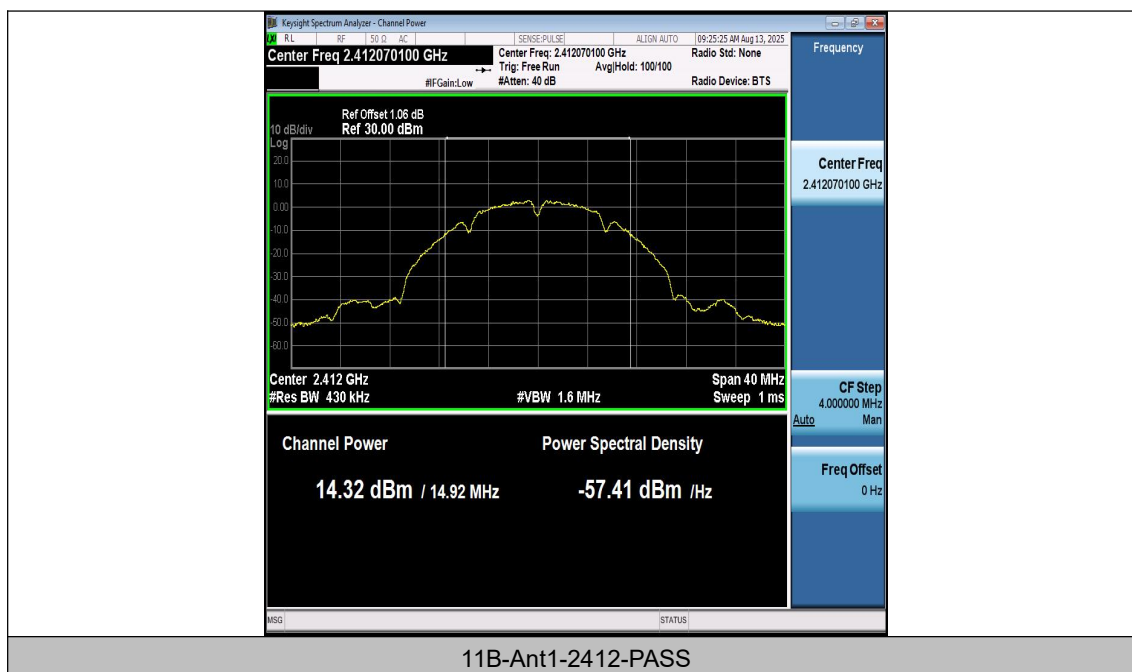
Appendix C: Maximum conducted output power

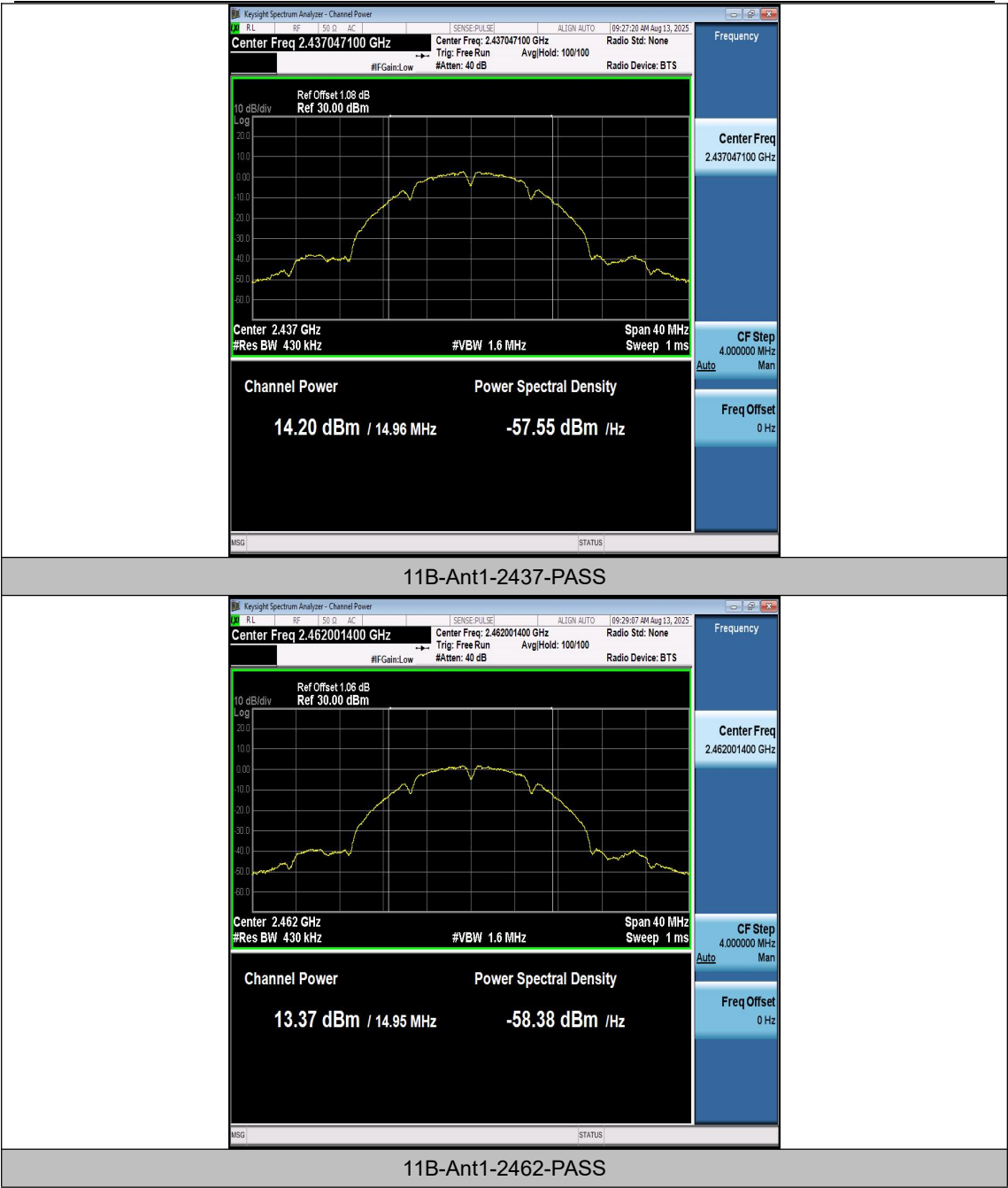
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.26	98.54	0.06	14.32	≤30.00	PASS
11B	Ant1	2437	14.12	98.08	0.08	14.20	≤30.00	PASS
11B	Ant1	2462	13.31	98.55	0.06	13.37	≤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

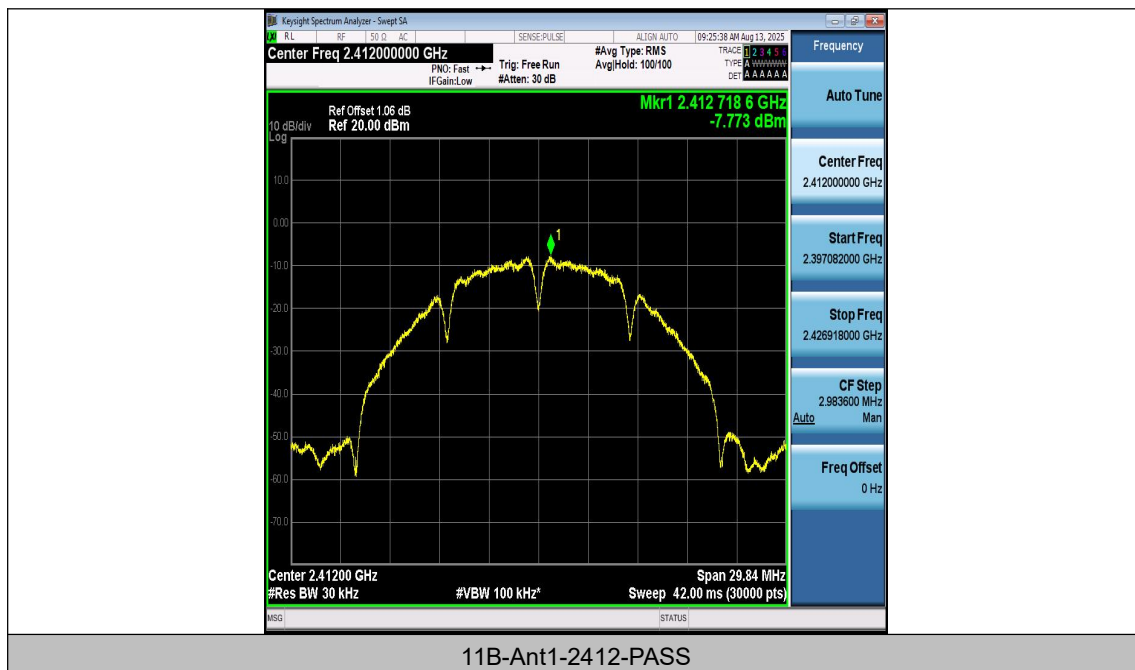
Test Result

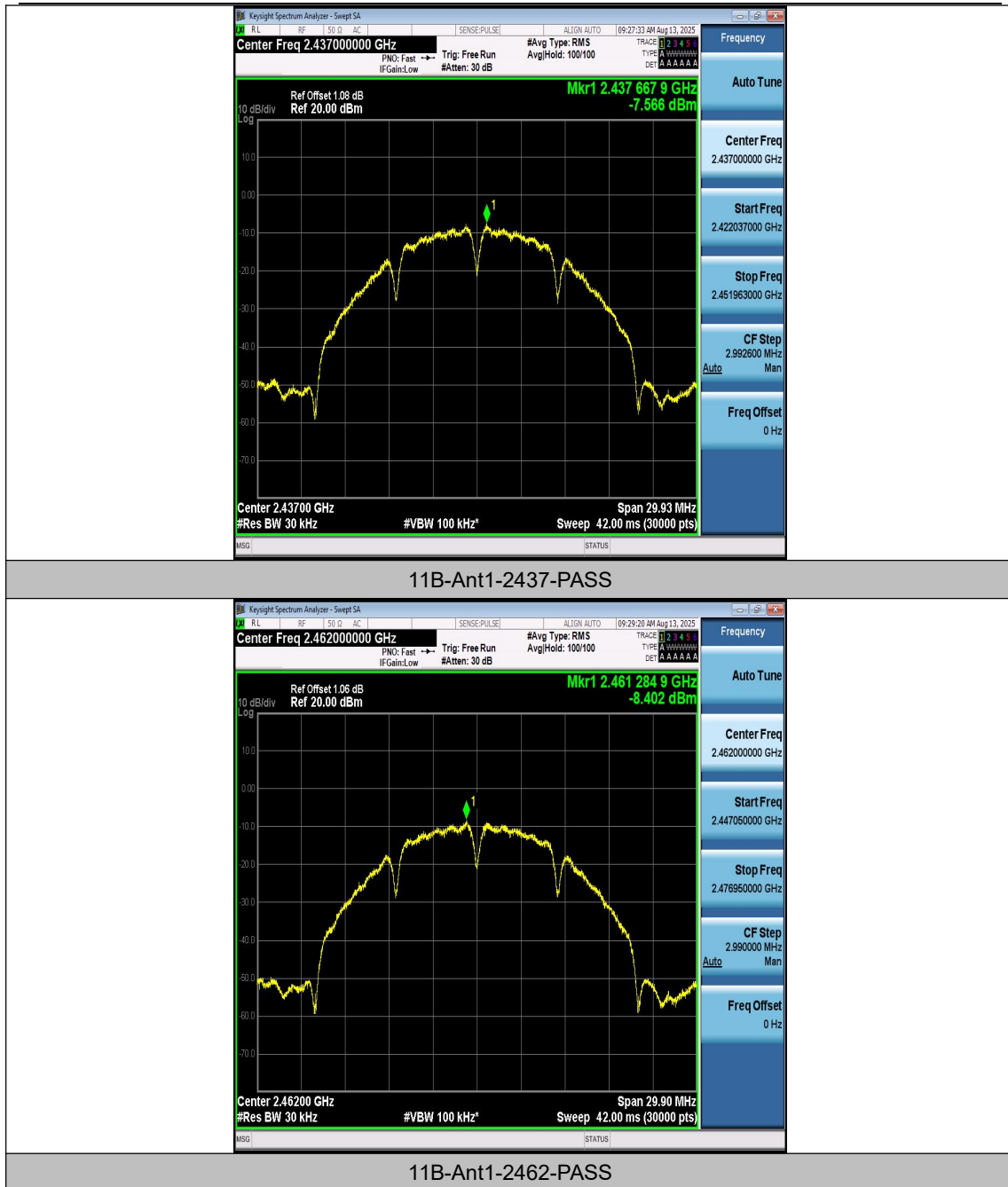
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.77	-17.77	≤8.00	PASS
11B	Ant1	2437	-7.57	-17.57	≤8.00	PASS
11B	Ant1	2462	-8.40	-18.40	≤8.00	PASS

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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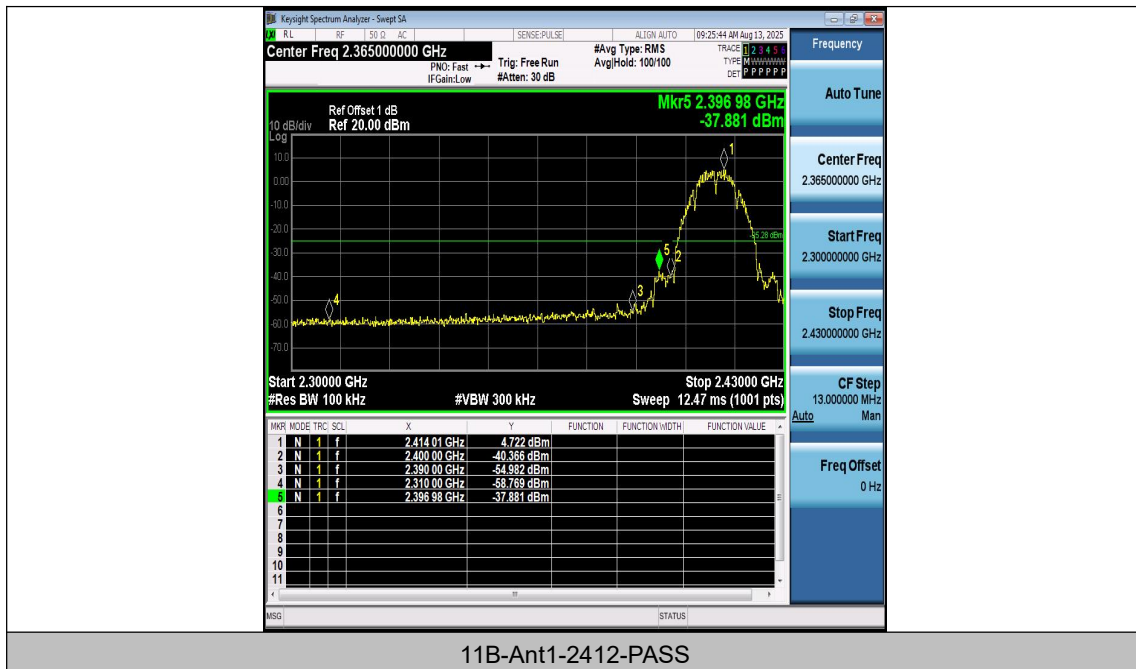
Appendix E: Conducted Band edge

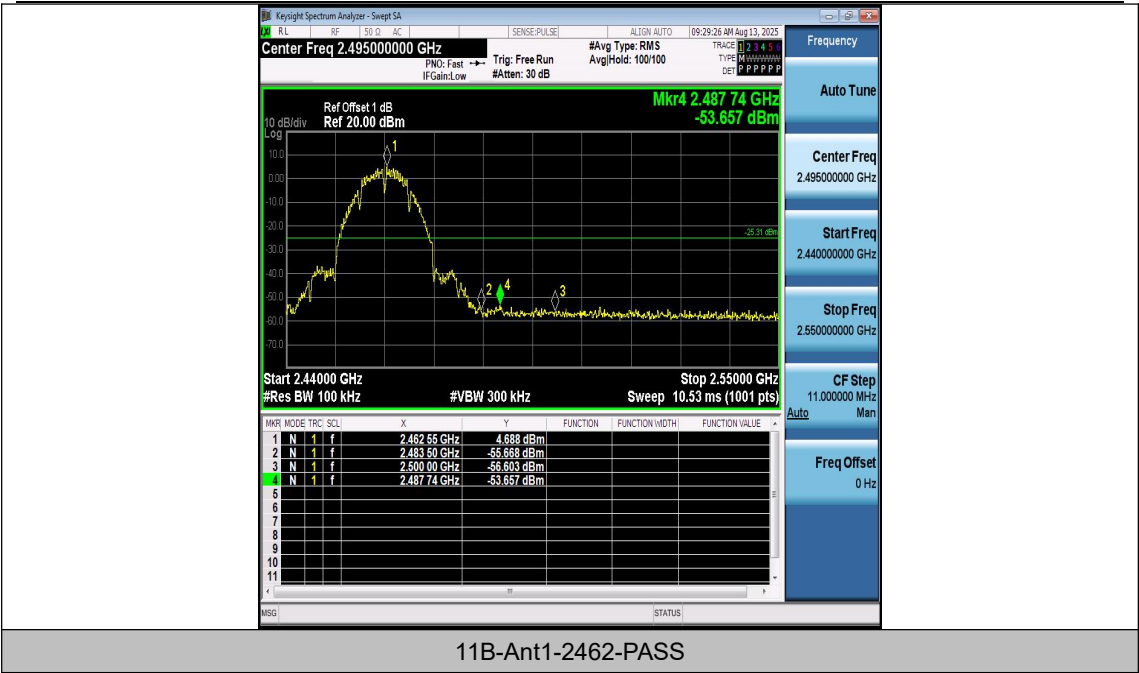
Test Result

Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.72	-37.88	≤-25.28	PASS
11B	Ant1	High	2462	4.69	-53.66	≤-25.31	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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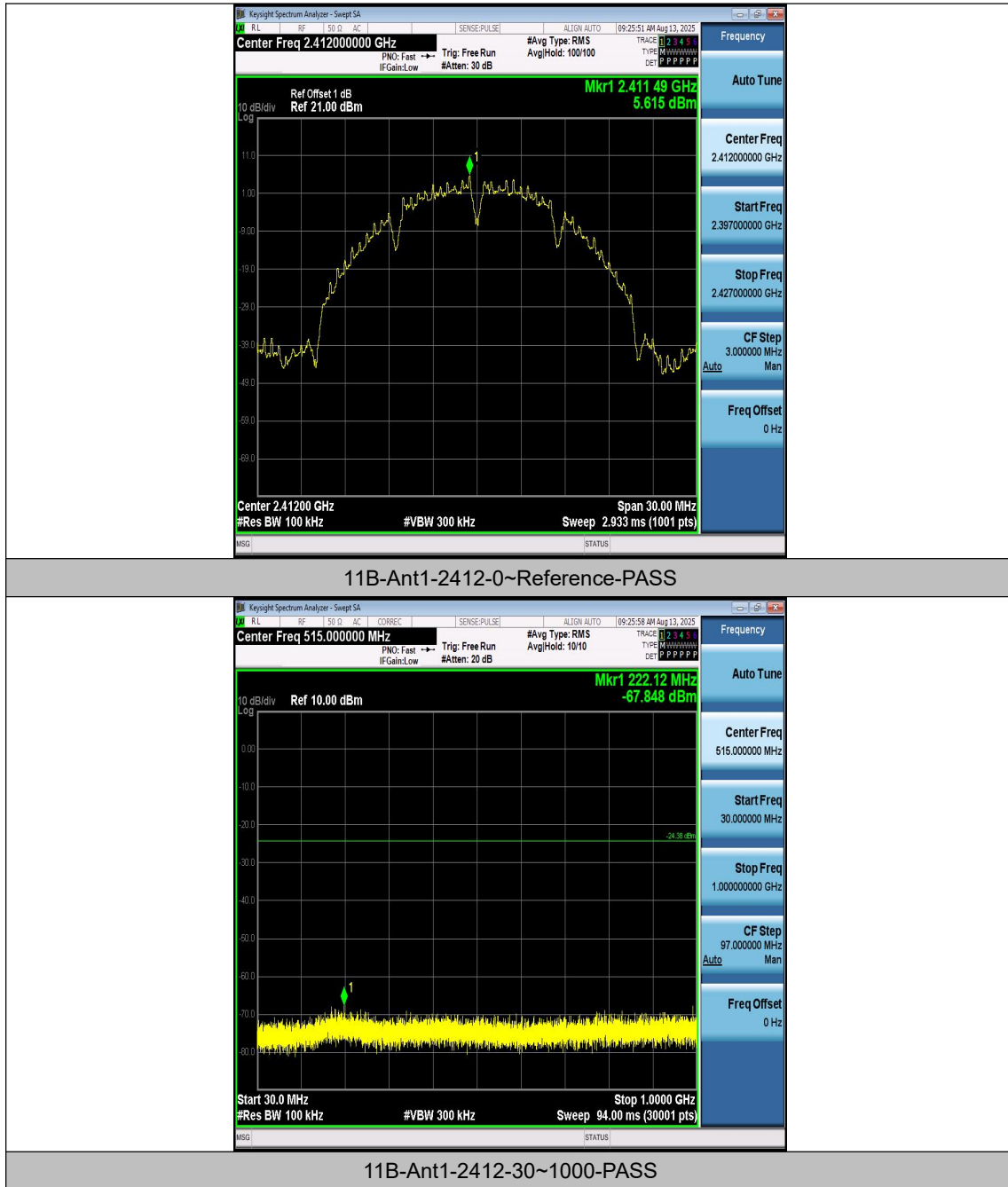
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.62	5.62	---	PASS
11B	Ant1	2412	30~1000	5.62	-67.85	≤-24.38	PASS
11B	Ant1	2412	1000~26500	5.62	-47.81	≤-24.38	PASS
11B	Ant1	2437	0~Reference	5.01	5.01	---	PASS
11B	Ant1	2437	30~1000	5.01	-66.33	≤-24.99	PASS
11B	Ant1	2437	1000~26500	5.01	-45.88	≤-24.99	PASS
11B	Ant1	2462	0~Reference	4.37	4.37	---	PASS
11B	Ant1	2462	30~1000	4.37	-68.57	≤-25.63	PASS
11B	Ant1	2462	1000~26500	4.37	-45.53	≤-25.63	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.

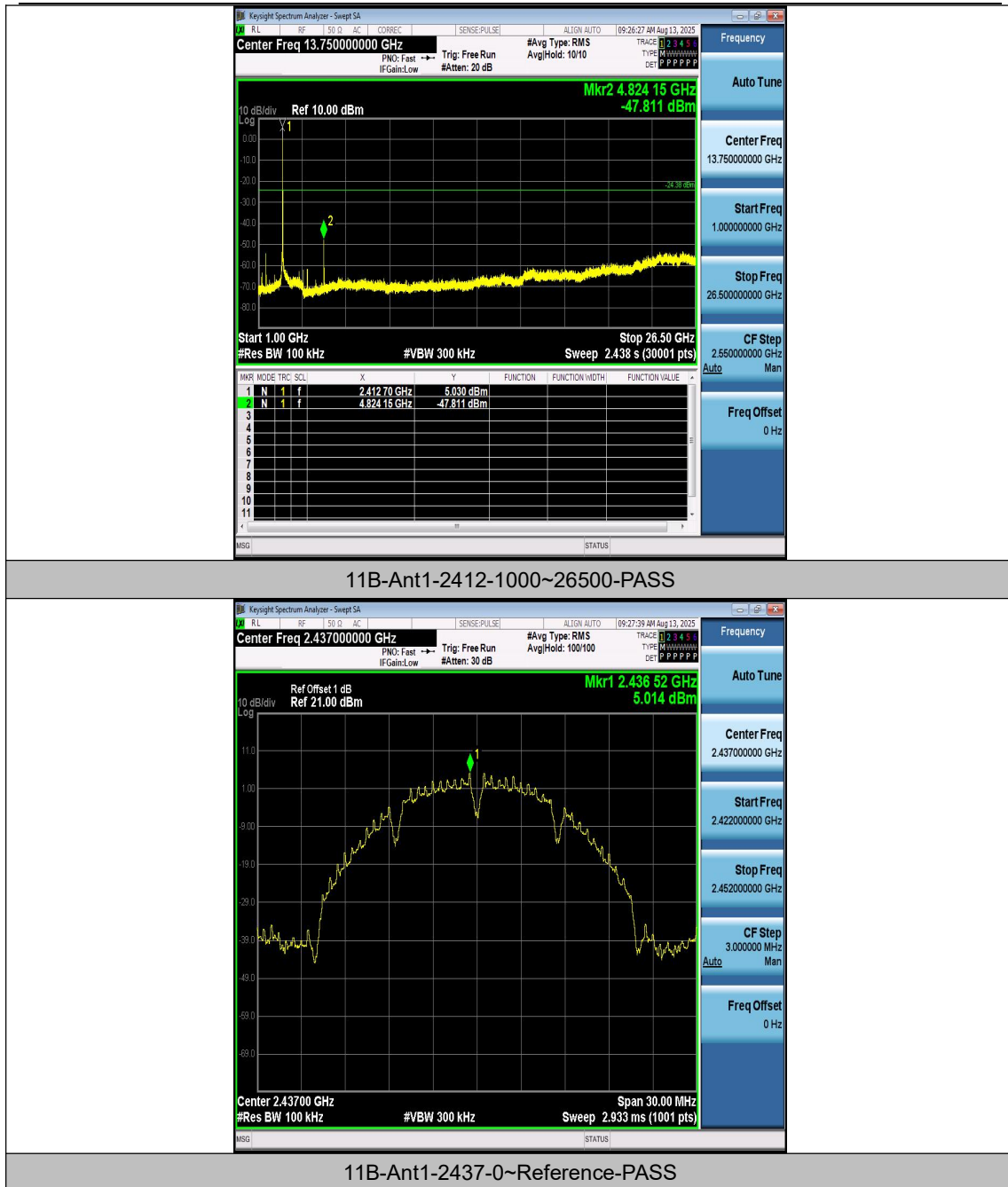
Test Graphs



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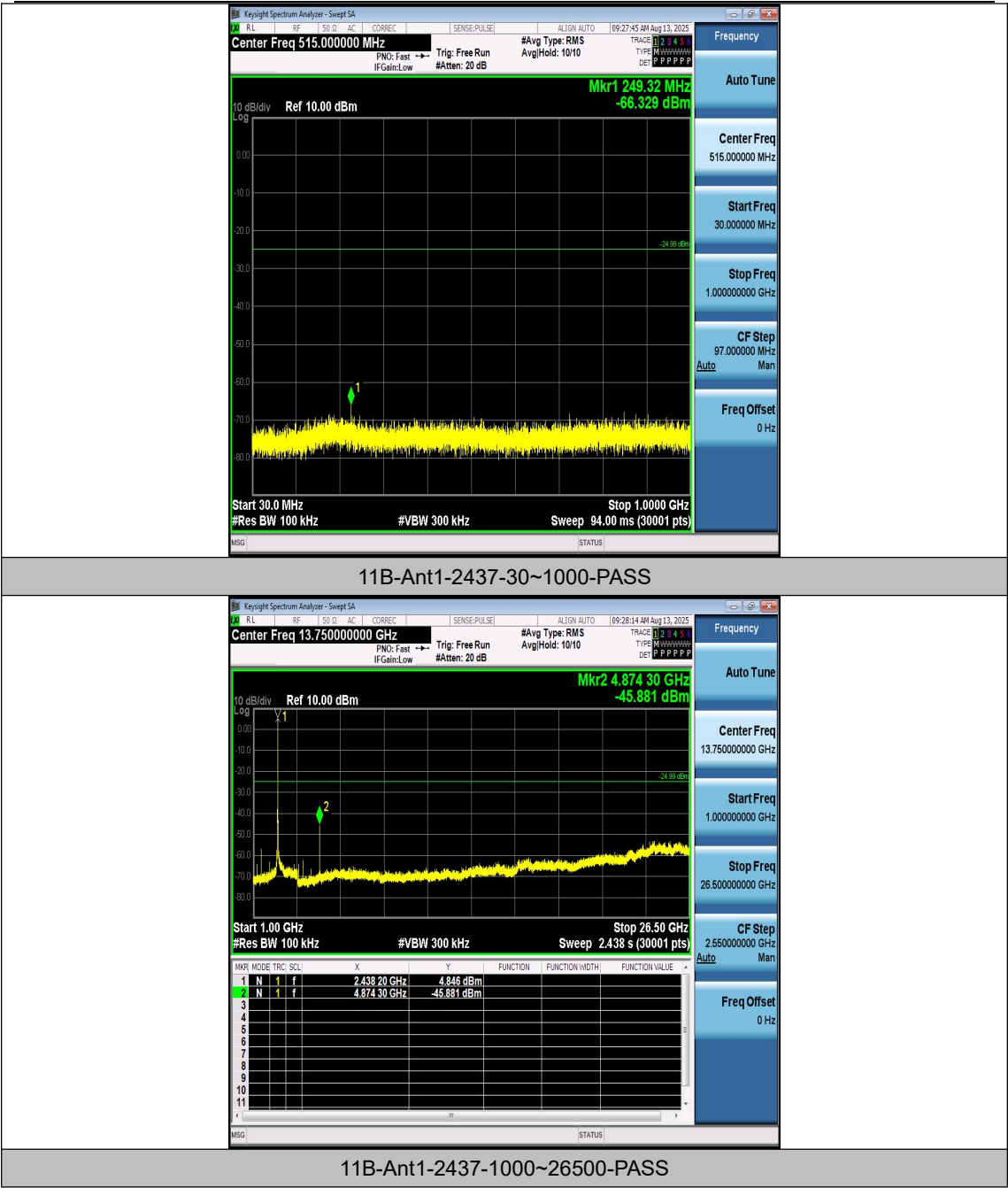
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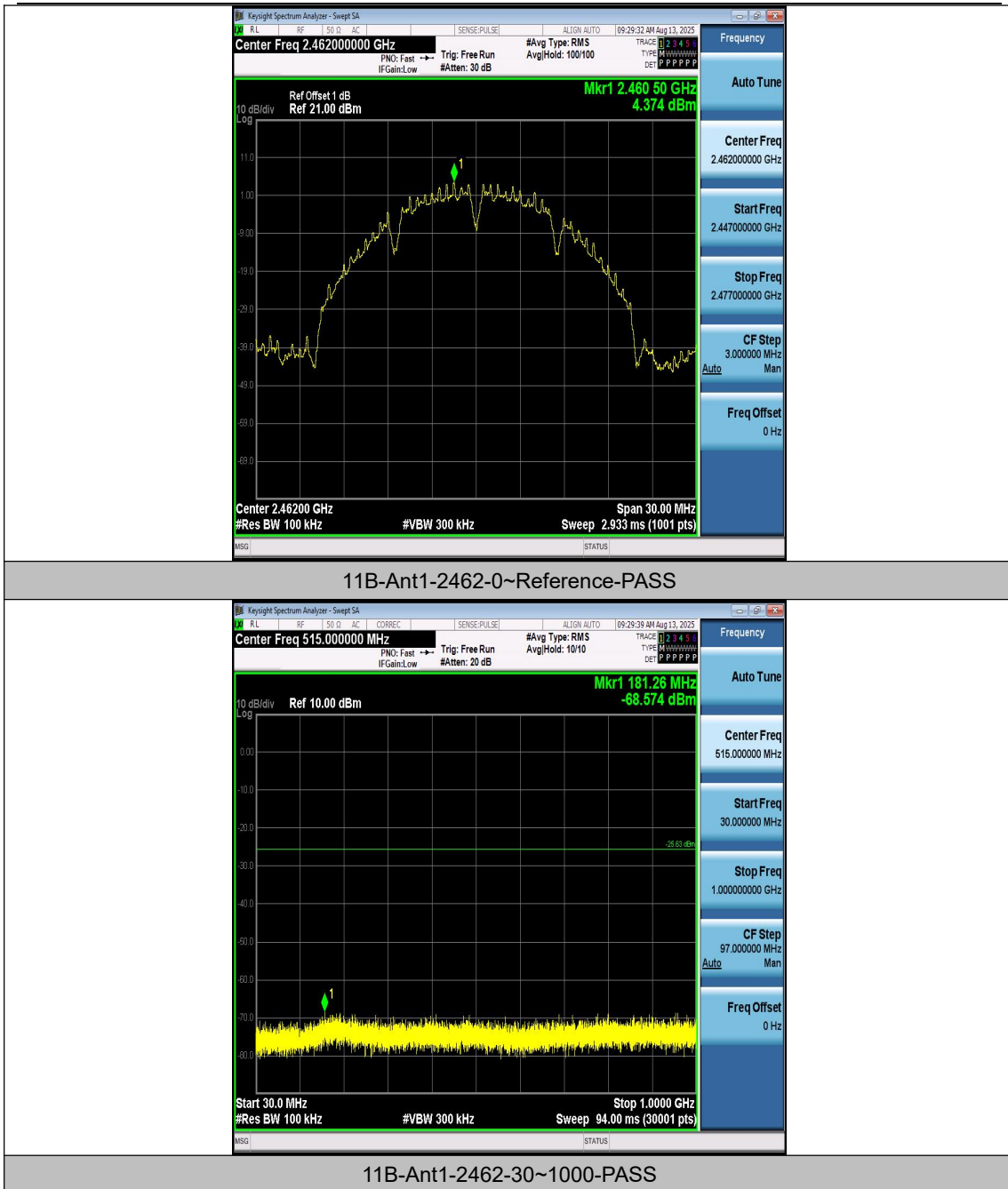
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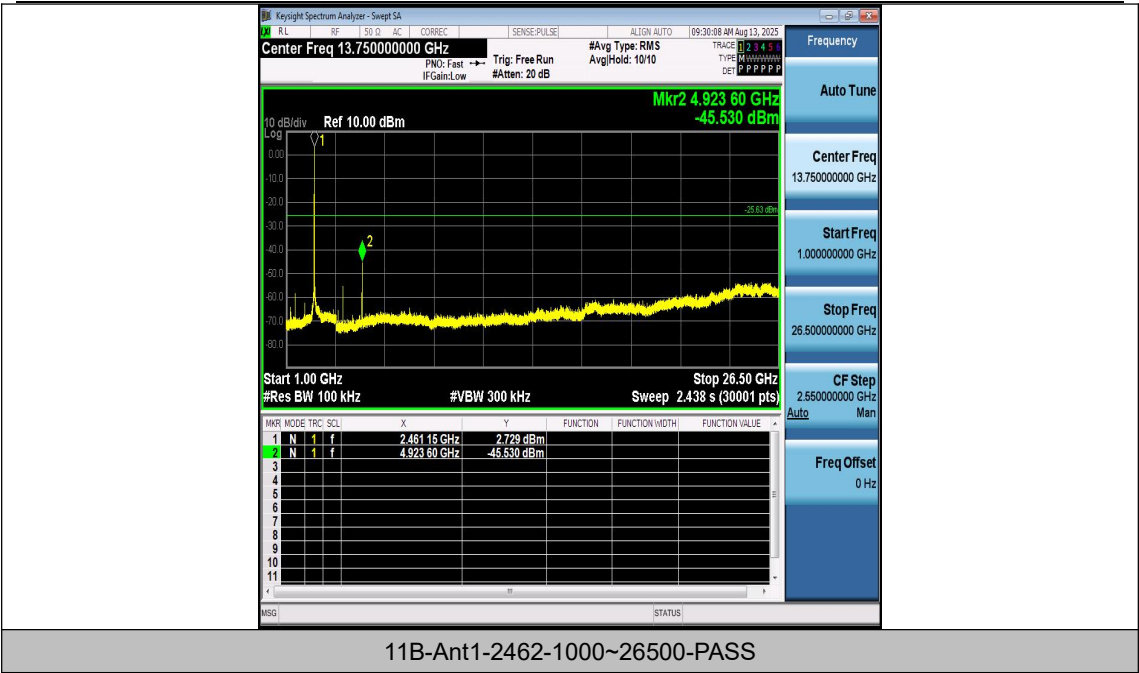
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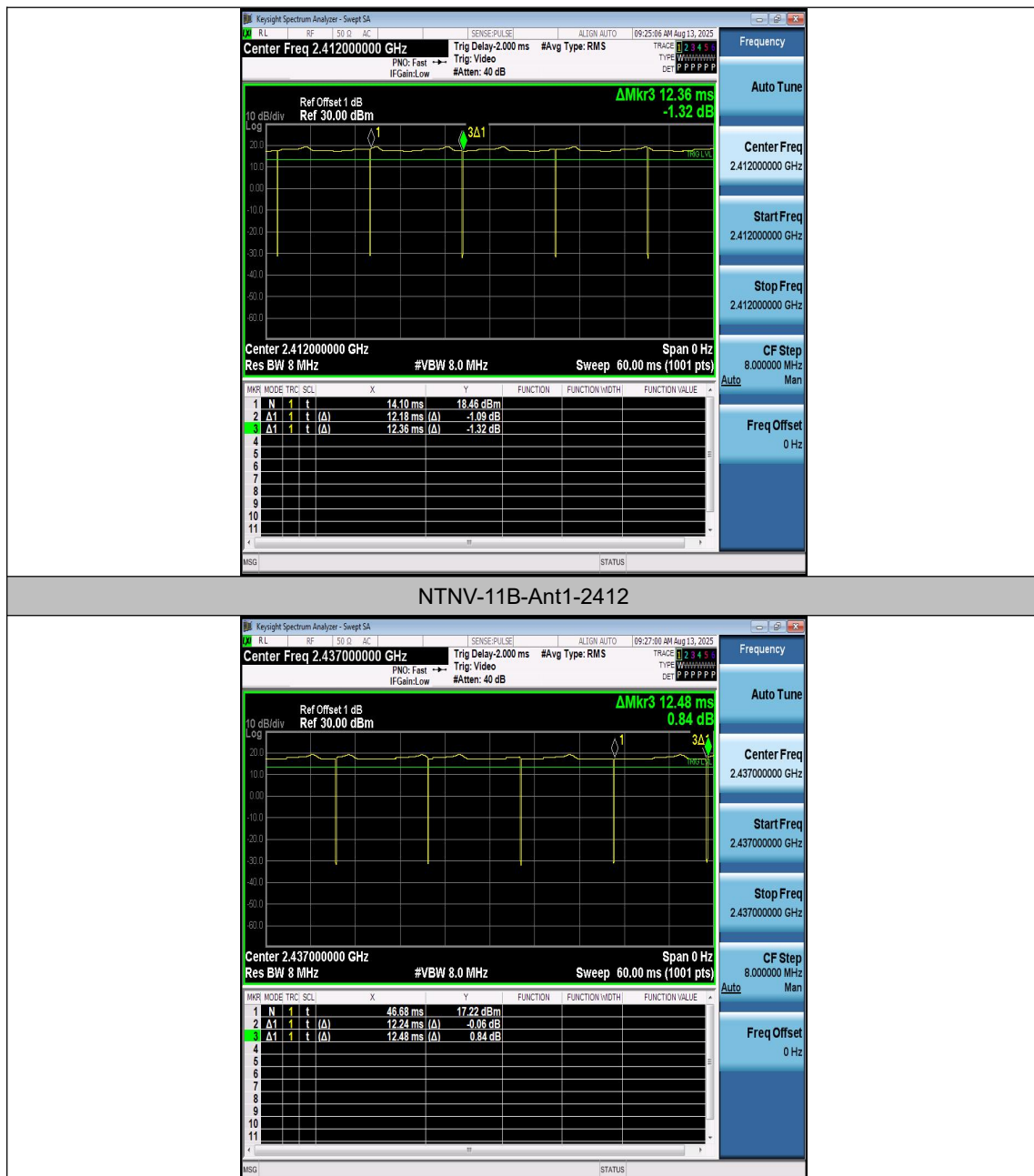
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.18	12.36	98.54	0.06
11B	Ant1	2437	12.24	12.48	98.08	0.08
11B	Ant1	2462	12.24	12.42	98.55	0.06

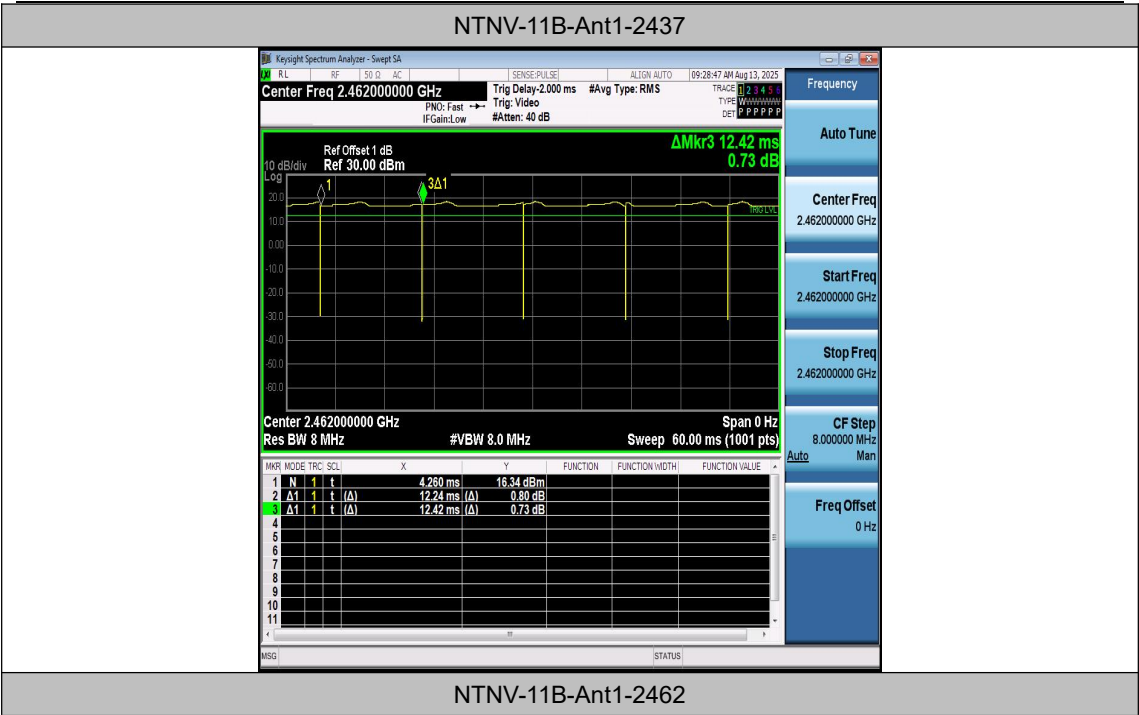
Test Graphs



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