

Appendix Test Data

Report No.:	1812C50506512502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-14	Finish Test Date:	2025-10-15
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.4°C	Relative Humidity:	64%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.275	2401.895	2404.170	---	---
2.4G	Ant1	2441	2.265	2439.900	2442.165	---	---
2.4G	Ant1	2480	2.255	2478.910	2481.165	---	---

Test Graphs





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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2506	2401.8550	2404.1056	---	---
2.4G	Ant1	2441	2.2307	2439.8743	2442.1050	---	---
2.4G	Ant1	2480	2.1959	2478.9063	2481.1022	---	---

Test Graphs





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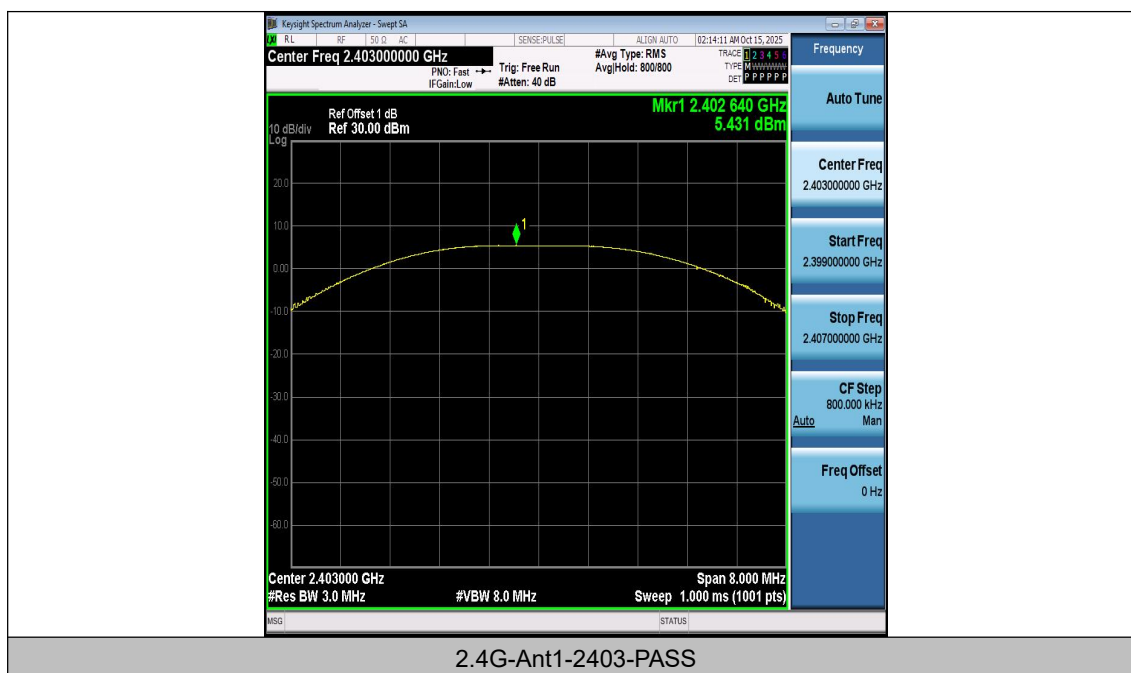
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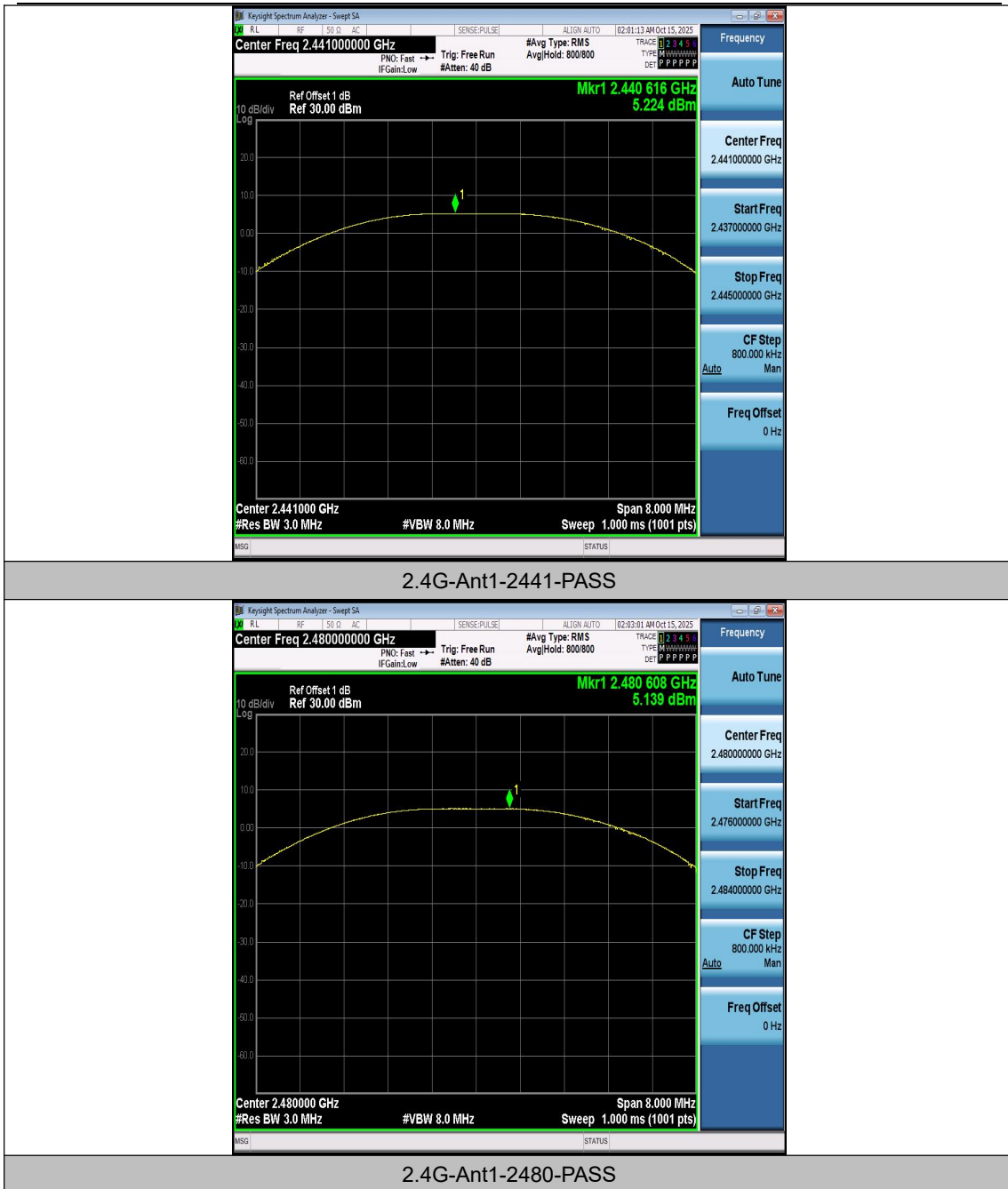
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	5.43	≤20.97	PASS
2.4G	Ant1	2441	5.22	≤20.97	PASS
2.4G	Ant1	2480	5.14	≤20.97	PASS

Test Graphs





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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.517	PASS

Note: Only List the worst case Data.

Test Graphs

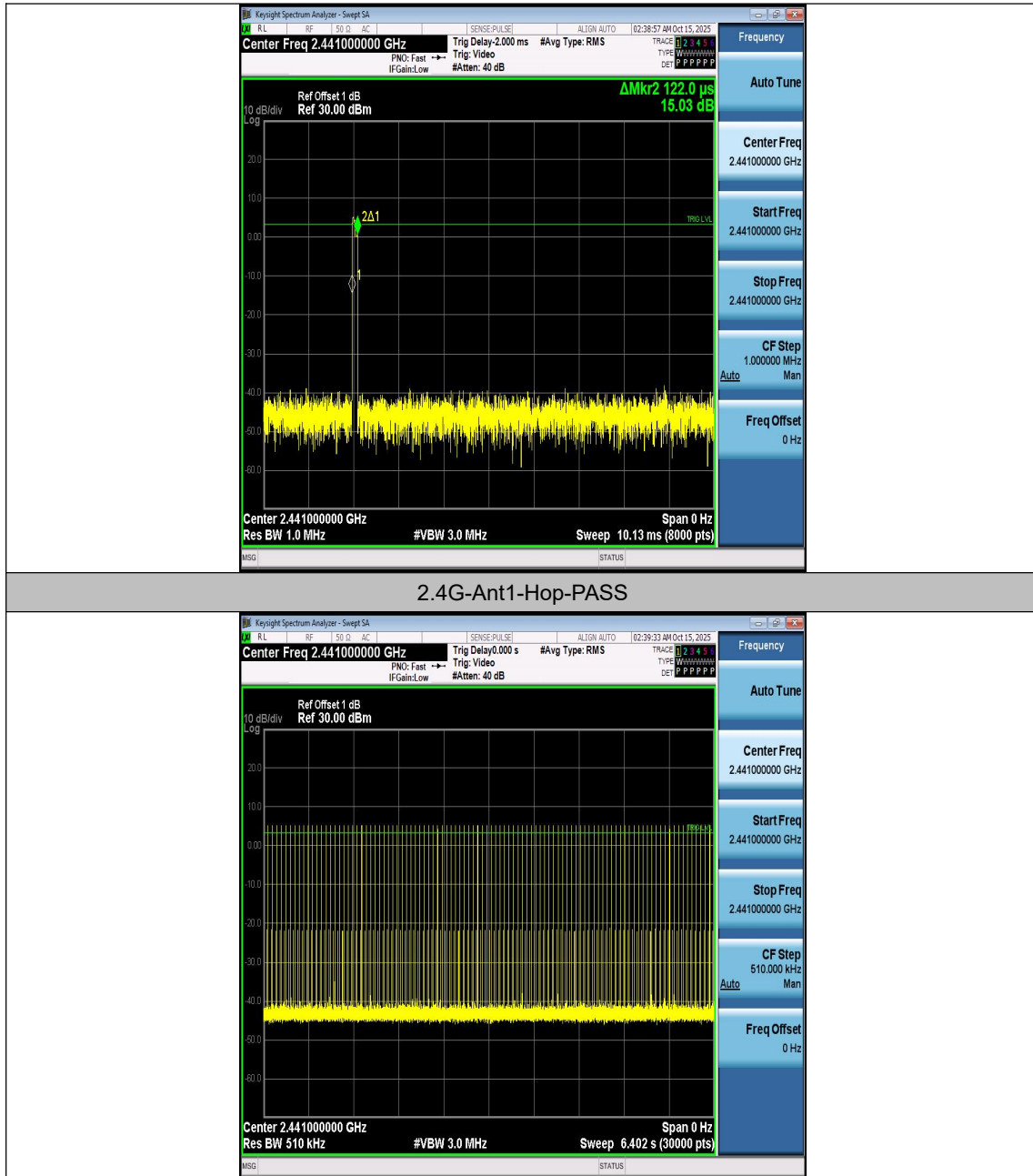


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.122	101	0.012	≤0.4	PASS

Test Graphs



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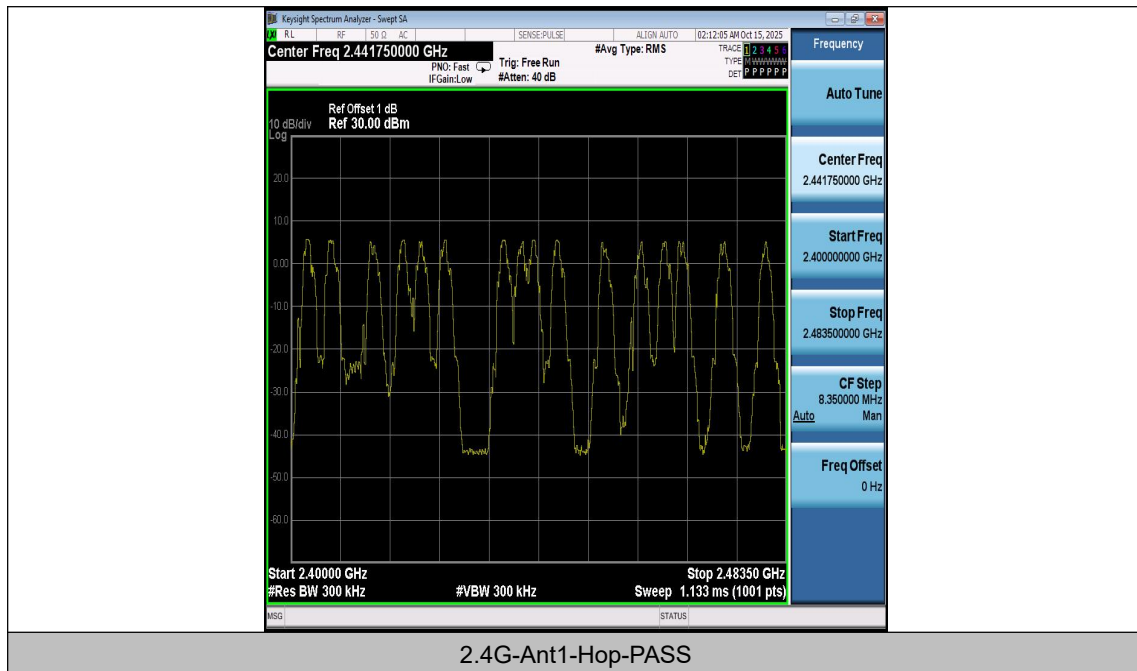
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	79	≥15	PASS

Test Graphs



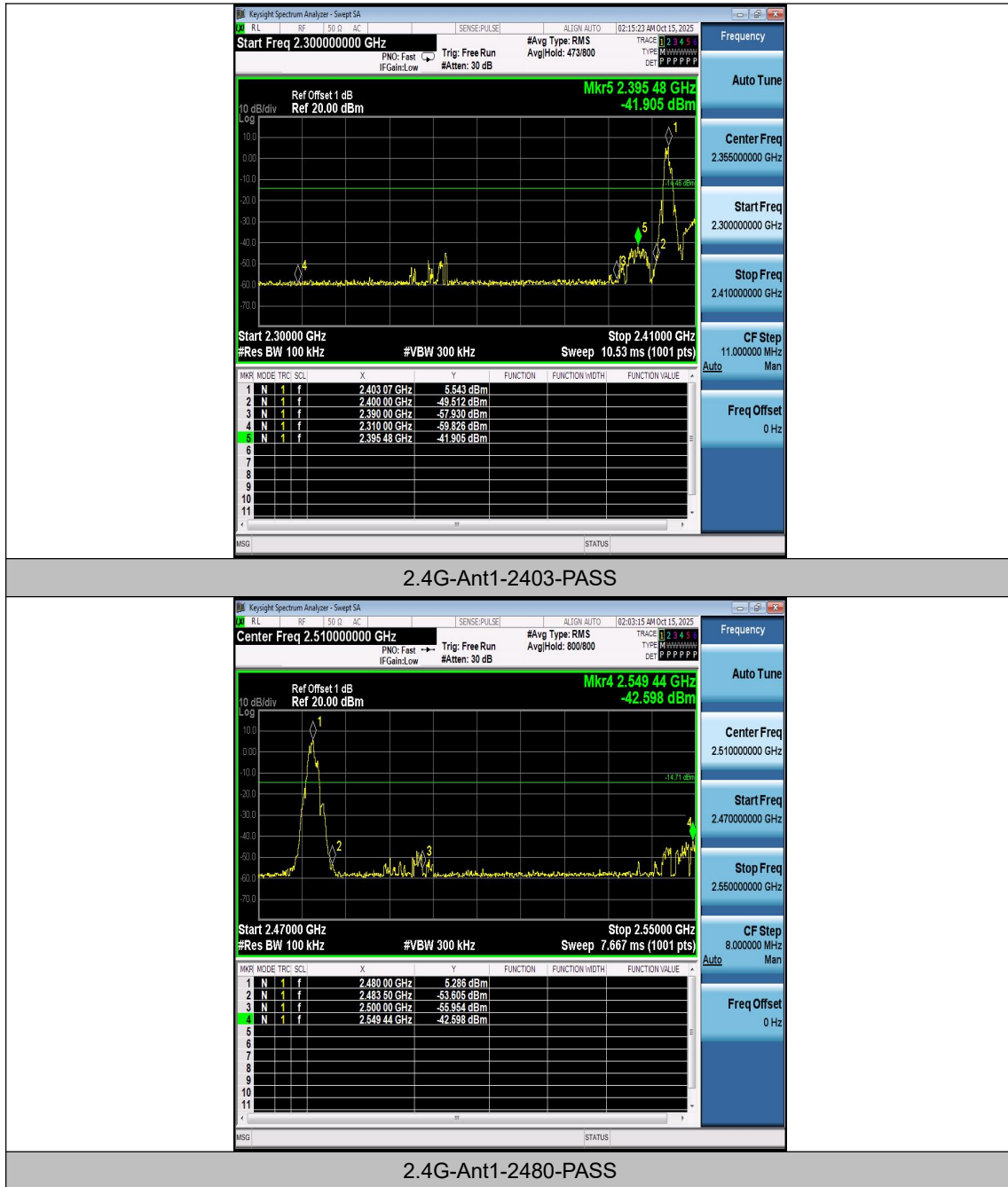
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	5.54	-41.91	≤-14.46	PASS
2.4G	Ant1	High	2480	5.29	-42.6	≤-14.71	PASS
2.4G	Ant1	Low	Hop	4.79	-45.48	≤-15.21	PASS
2.4G	Ant1	High	Hop	5.15	-44.11	≤-14.85	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.

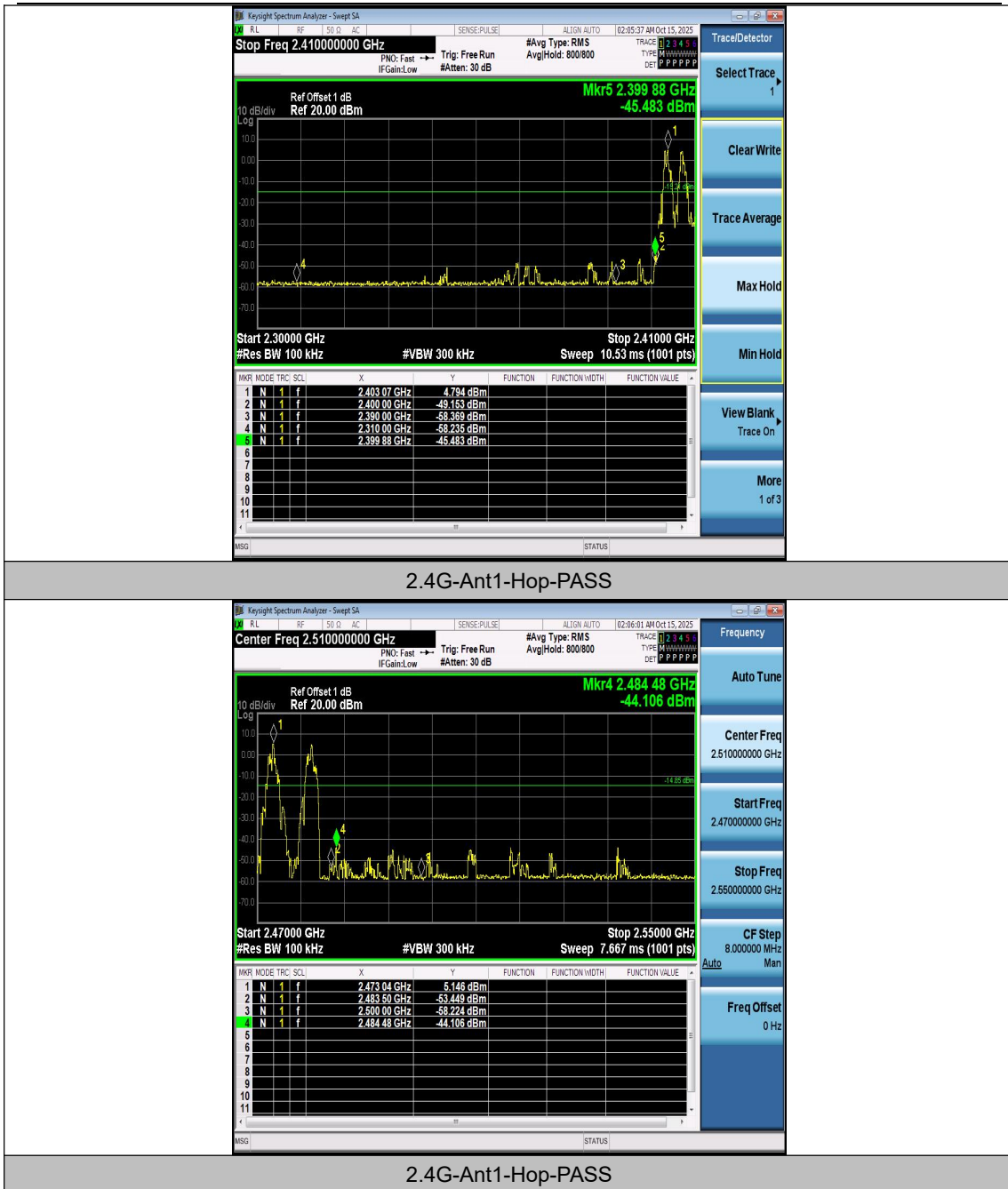
Test Graphs



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Appendix H: Conducted Spurious Emission

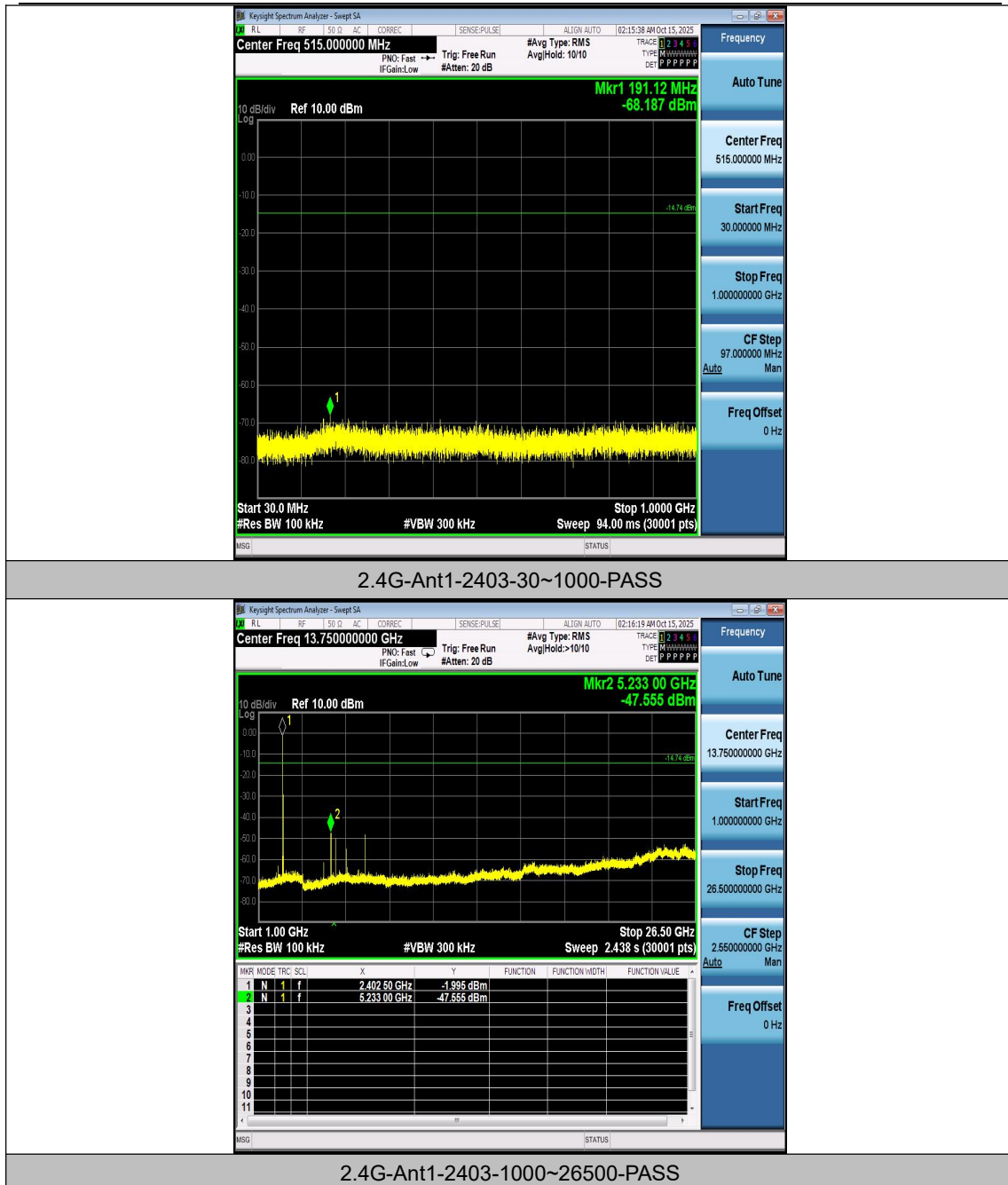
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	5.26	5.26	---	PASS
2.4G	Ant1	2403	30~1000	5.26	-68.19	≤-14.74	PASS
2.4G	Ant1	2403	1000~26500	5.26	-47.56	≤-14.74	PASS
2.4G	Ant1	2441	0~Reference	5.06	5.06	---	PASS
2.4G	Ant1	2441	30~1000	5.06	-69.01	≤-14.94	PASS
2.4G	Ant1	2441	1000~26500	5.06	-52.89	≤-14.94	PASS
2.4G	Ant1	2480	0~Reference	4.96	4.96	---	PASS
2.4G	Ant1	2480	30~1000	4.96	-67.96	≤-15.04	PASS
2.4G	Ant1	2480	1000~26500	4.96	-53.17	≤-15.04	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

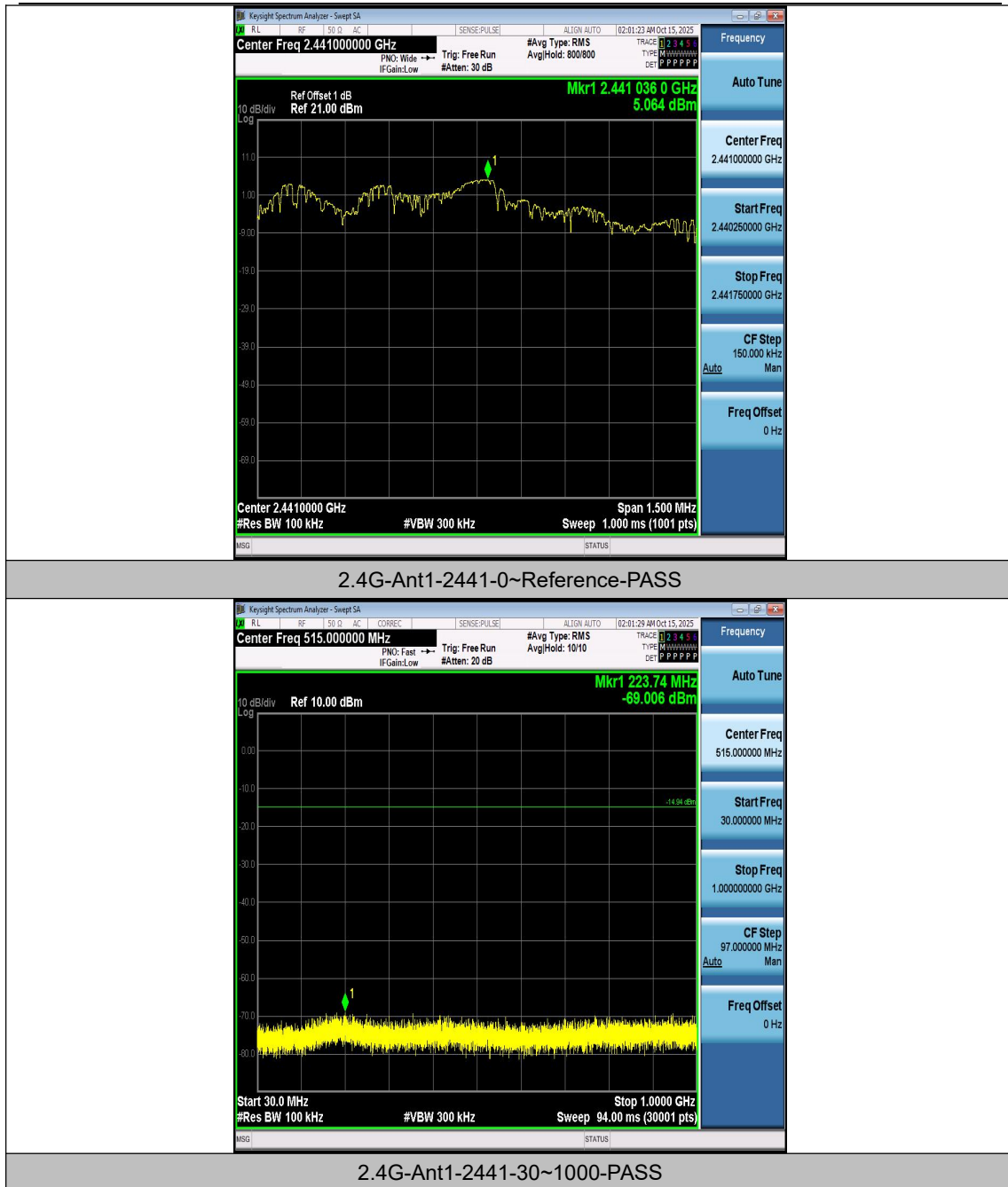




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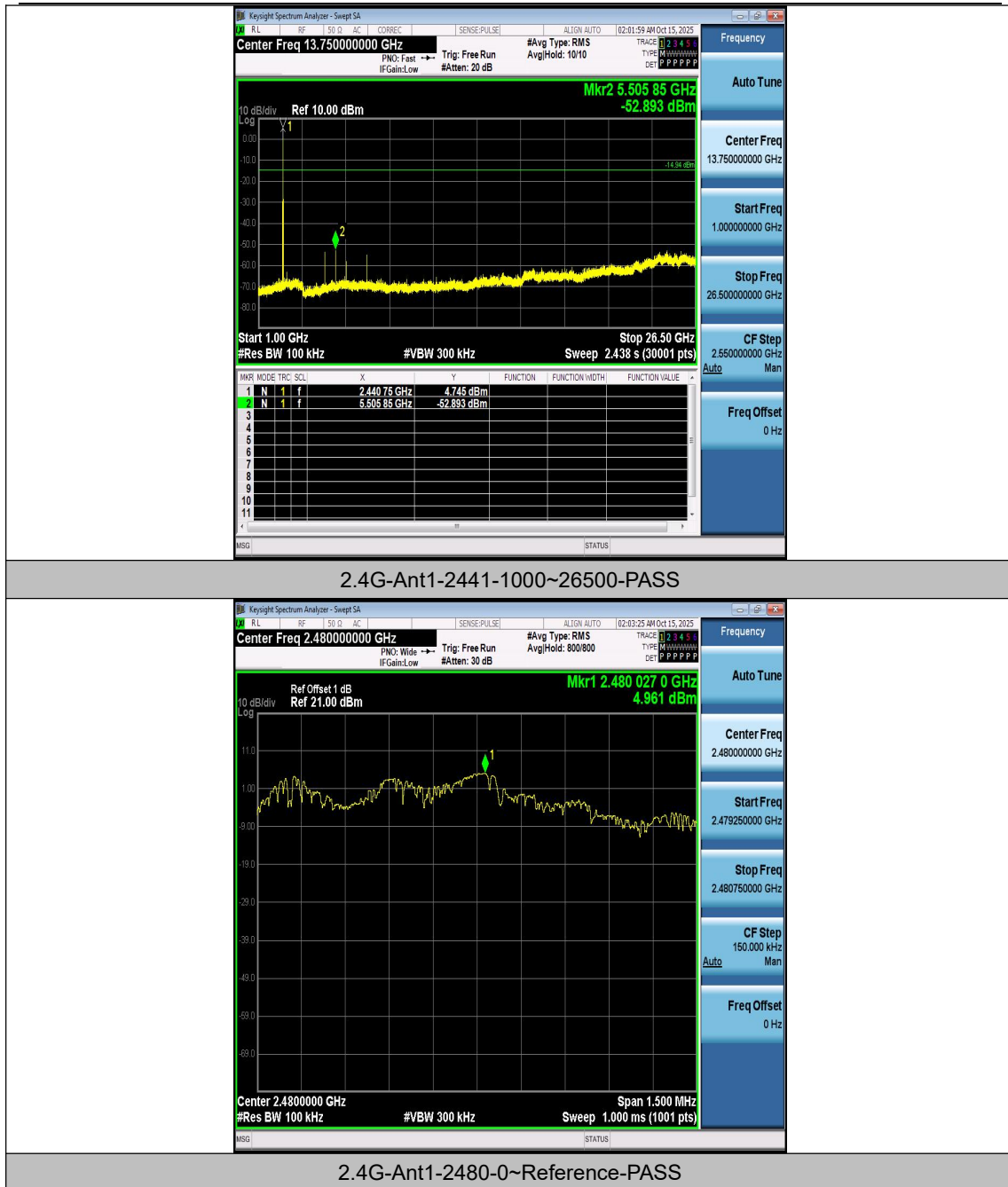
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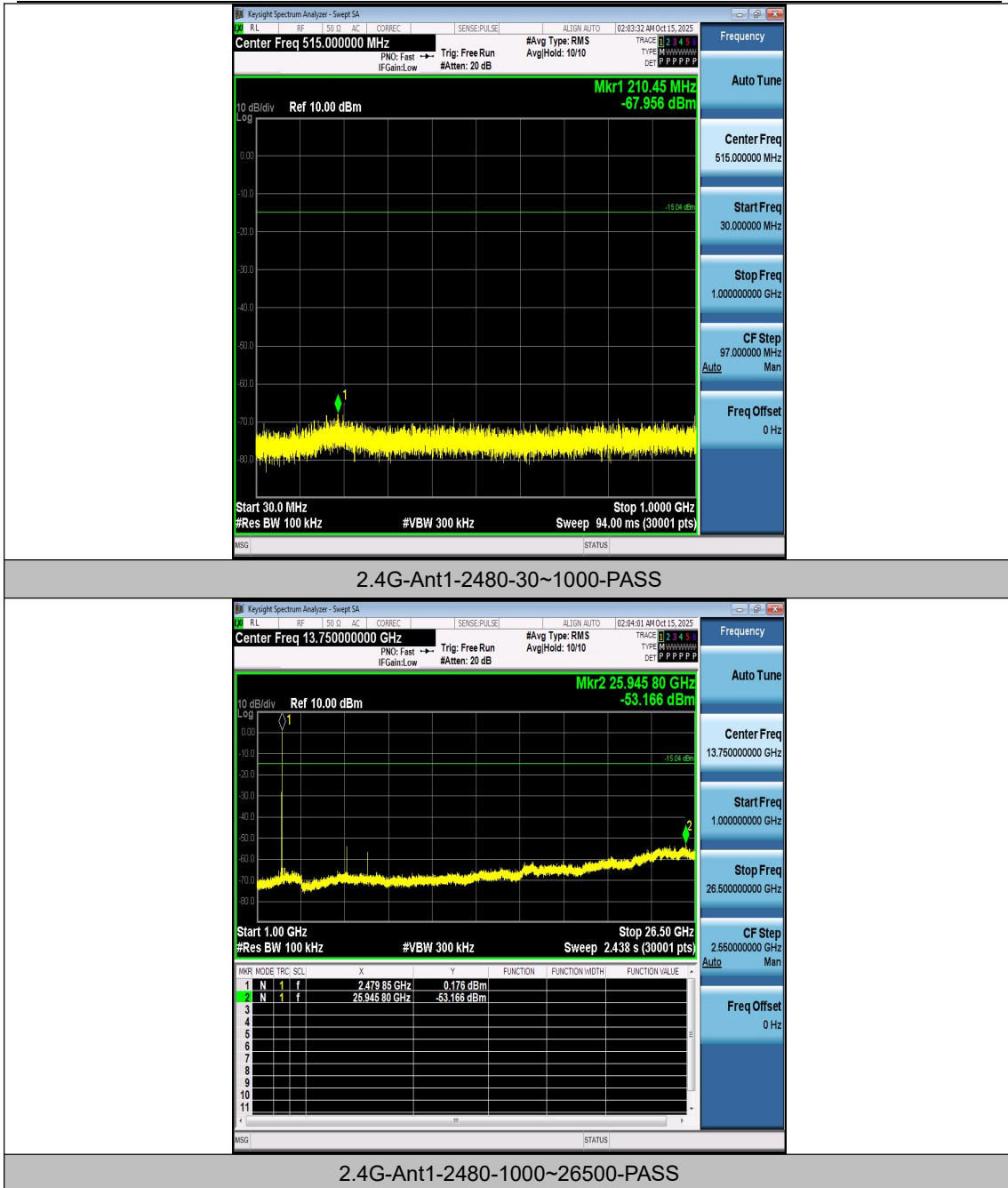
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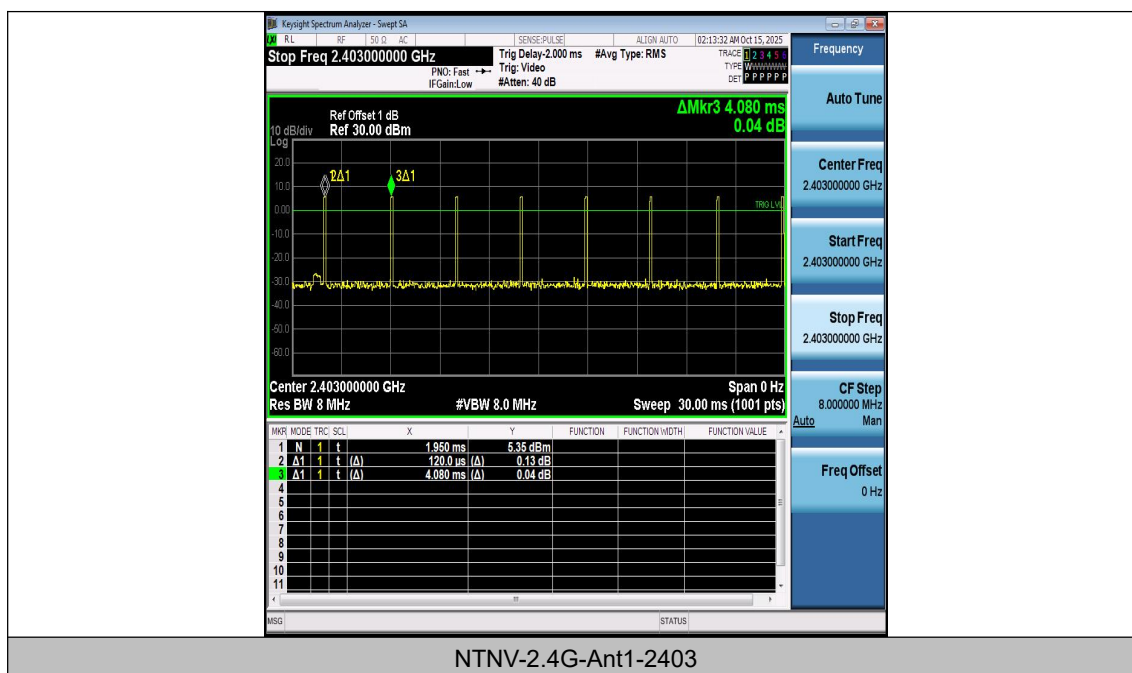
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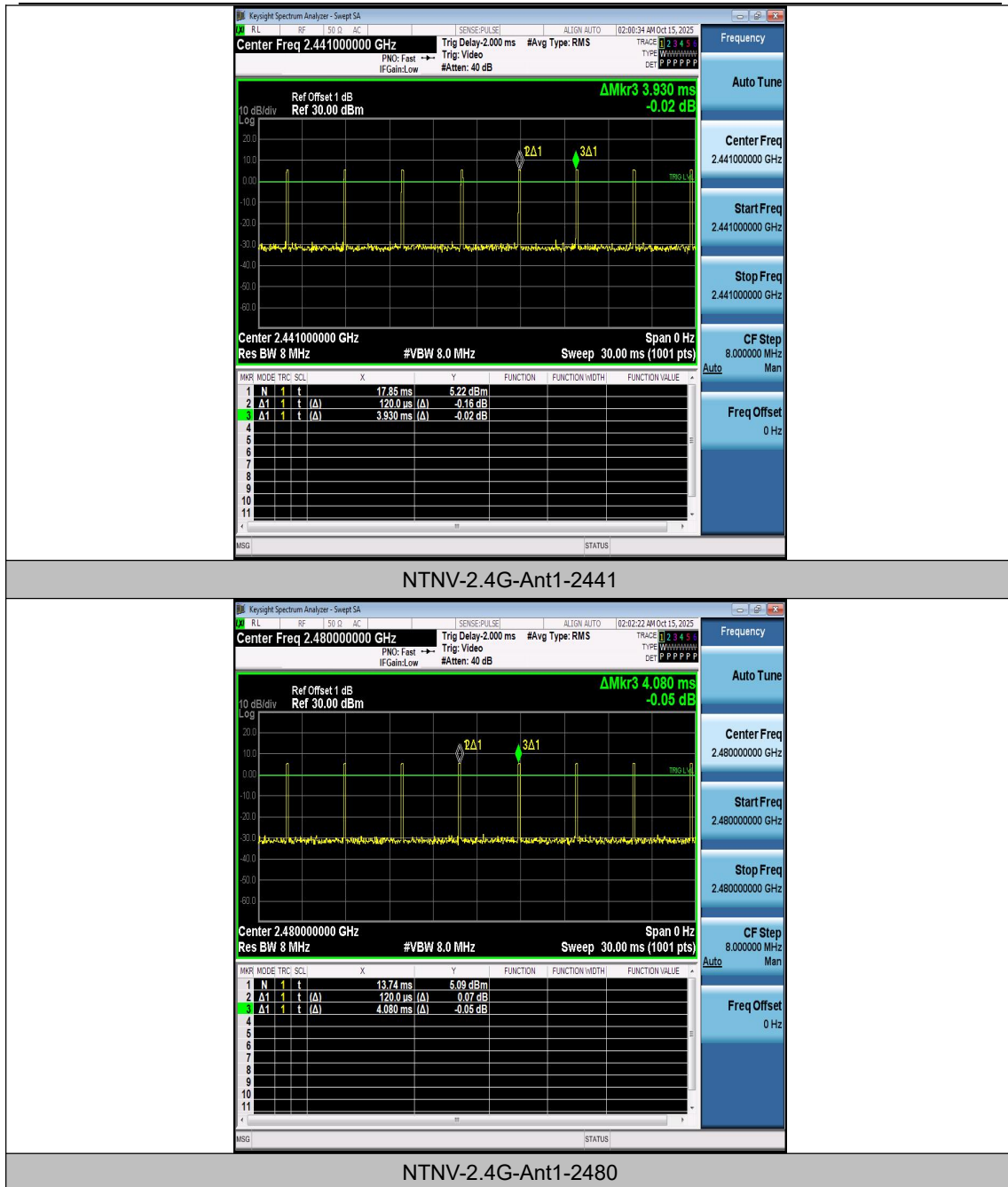
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	4.08	2.94	15.32
2.4G	Ant1	2441	0.12	3.93	3.05	15.16
2.4G	Ant1	2480	0.12	4.08	2.94	15.32

Test Graphs





---End---