

Appendix Test Data

Report No.:	1812C60420312502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-24	Finish Test Date:	2026-7-29
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24.3°C	Relative Humidity:	58%
Pressure:	101kPa		



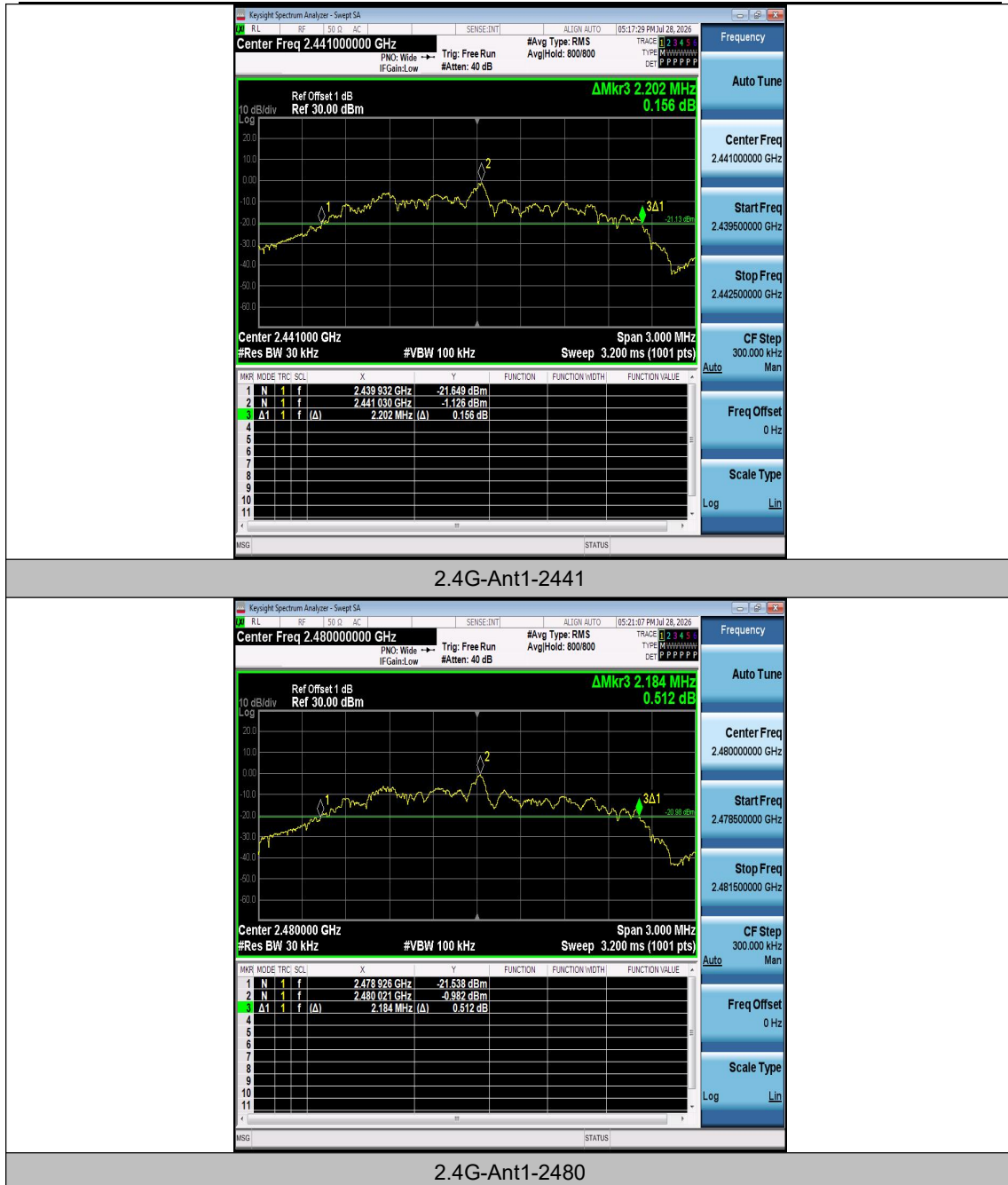
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.241	2401.884	2404.125	---	---
2.4G	Ant1	2441	2.202	2439.932	2442.134	---	---
2.4G	Ant1	2480	2.184	2478.926	2481.110	---	---

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	2.1261	2401.9504	2404.0765	---	---
2.4G	Ant1	2441	2.1287	2439.9439	2442.0726	---	---
2.4G	Ant1	2480	2.1806	2478.8989	2481.0795	---	---

Test Graphs





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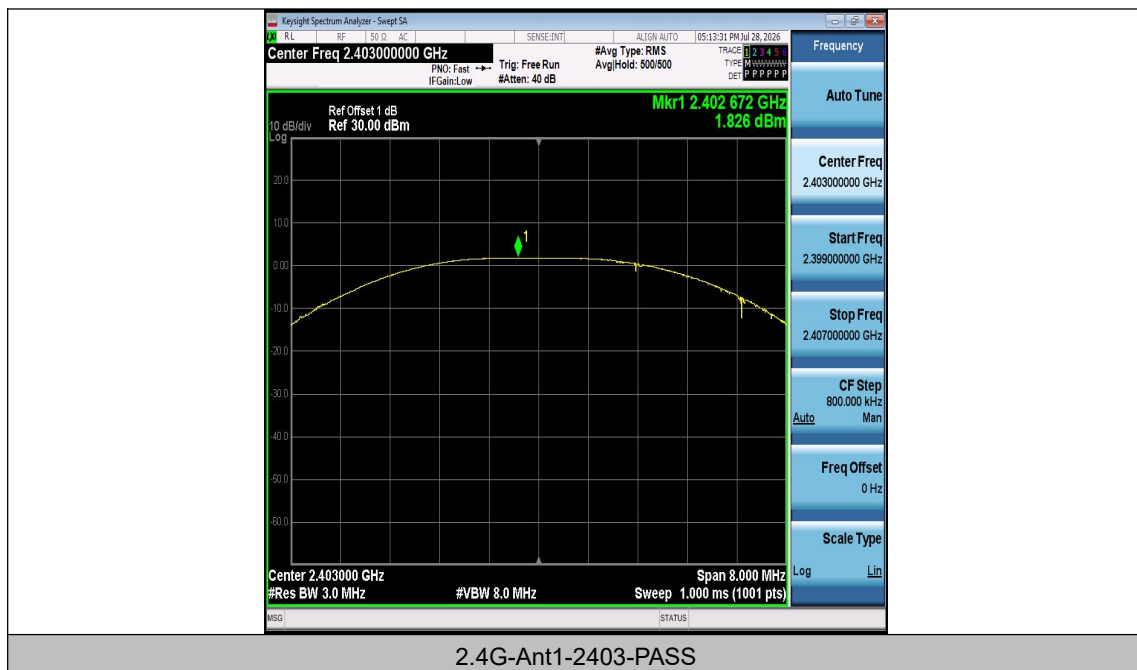
Appendix C: Maximum Conducted Output Power

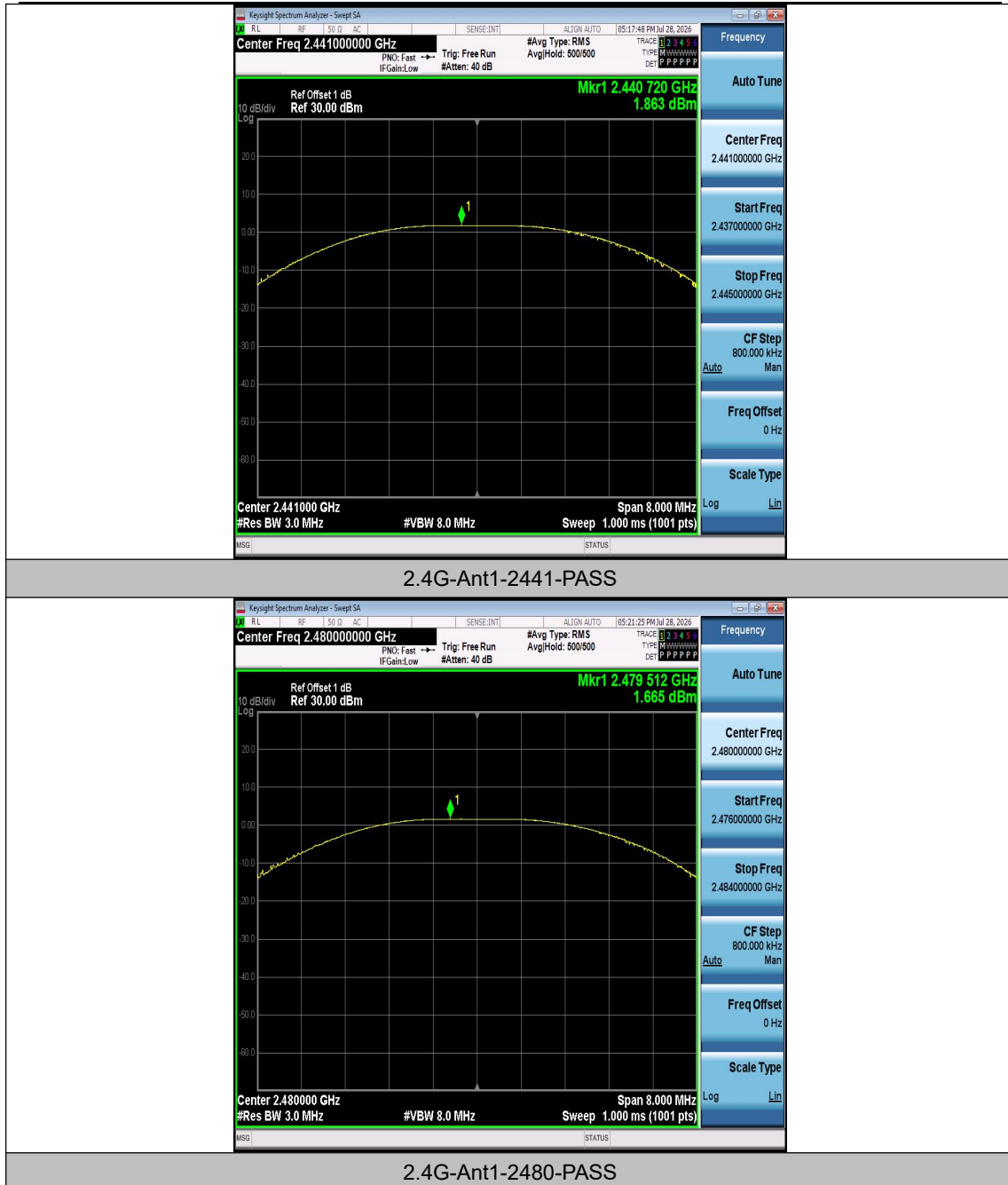
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2403	1.83	≤20.97	PASS
2.4G	Ant1	2441	1.86	≤20.97	PASS
2.4G	Ant1	2480	1.67	≤20.97	PASS

Note: For conducted power less than 0.125W (20.97dBm), the limit can be set using hopping channel carrier frequencies that are separated by 25 kHz or two thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

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	≥1.494	PASS

Note:..Only record the worst data in the report..

Test Graphs

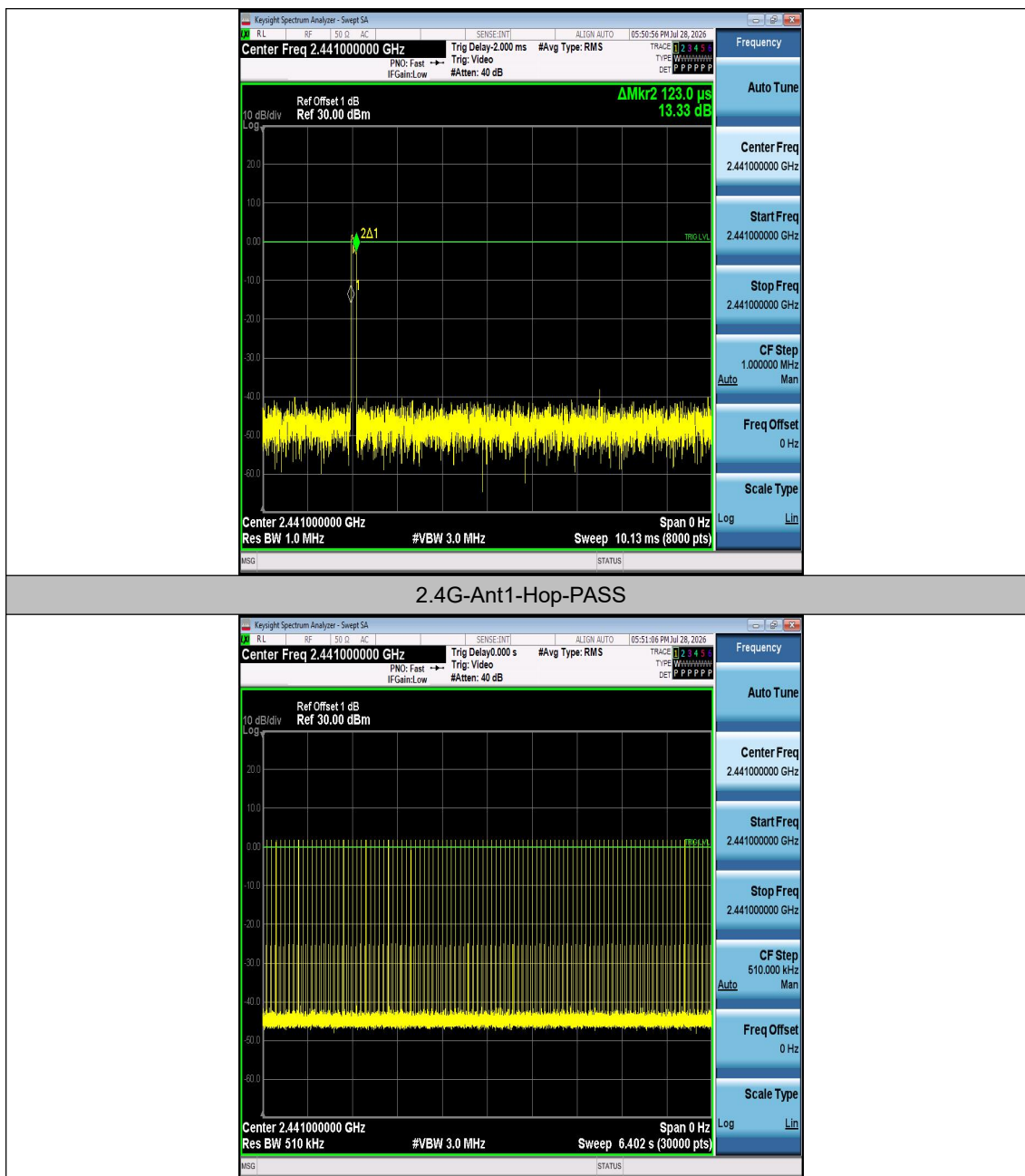


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
2.4G	Ant1	Hop	0.123	103	0.013	≤0.4	PASS

Test Graphs



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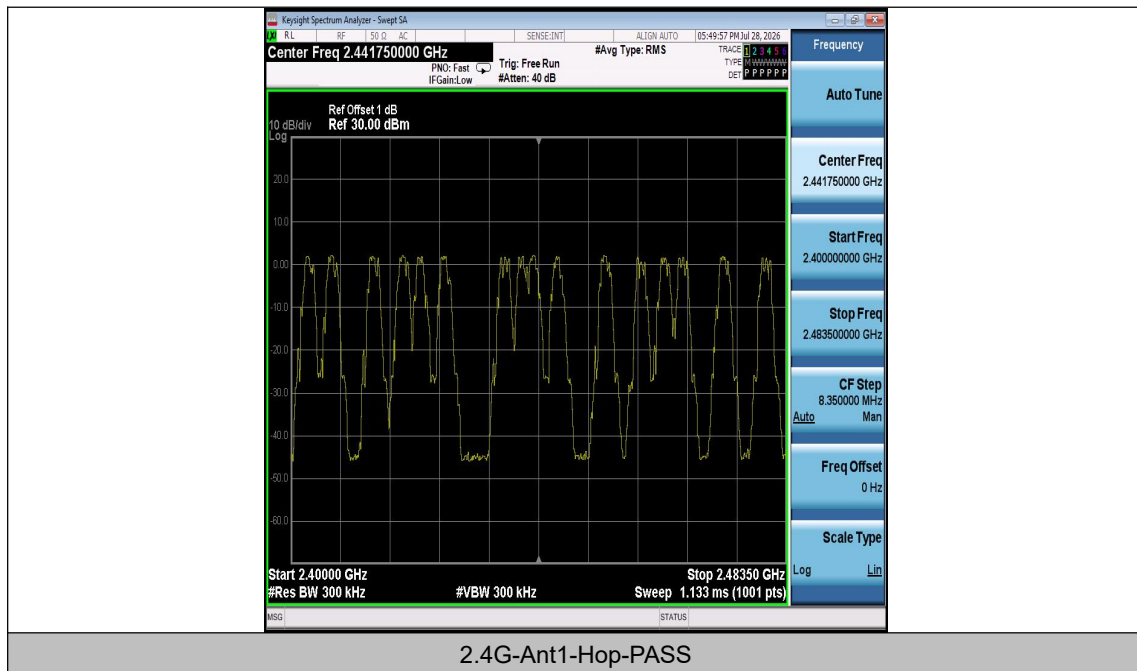
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

Test Graphs



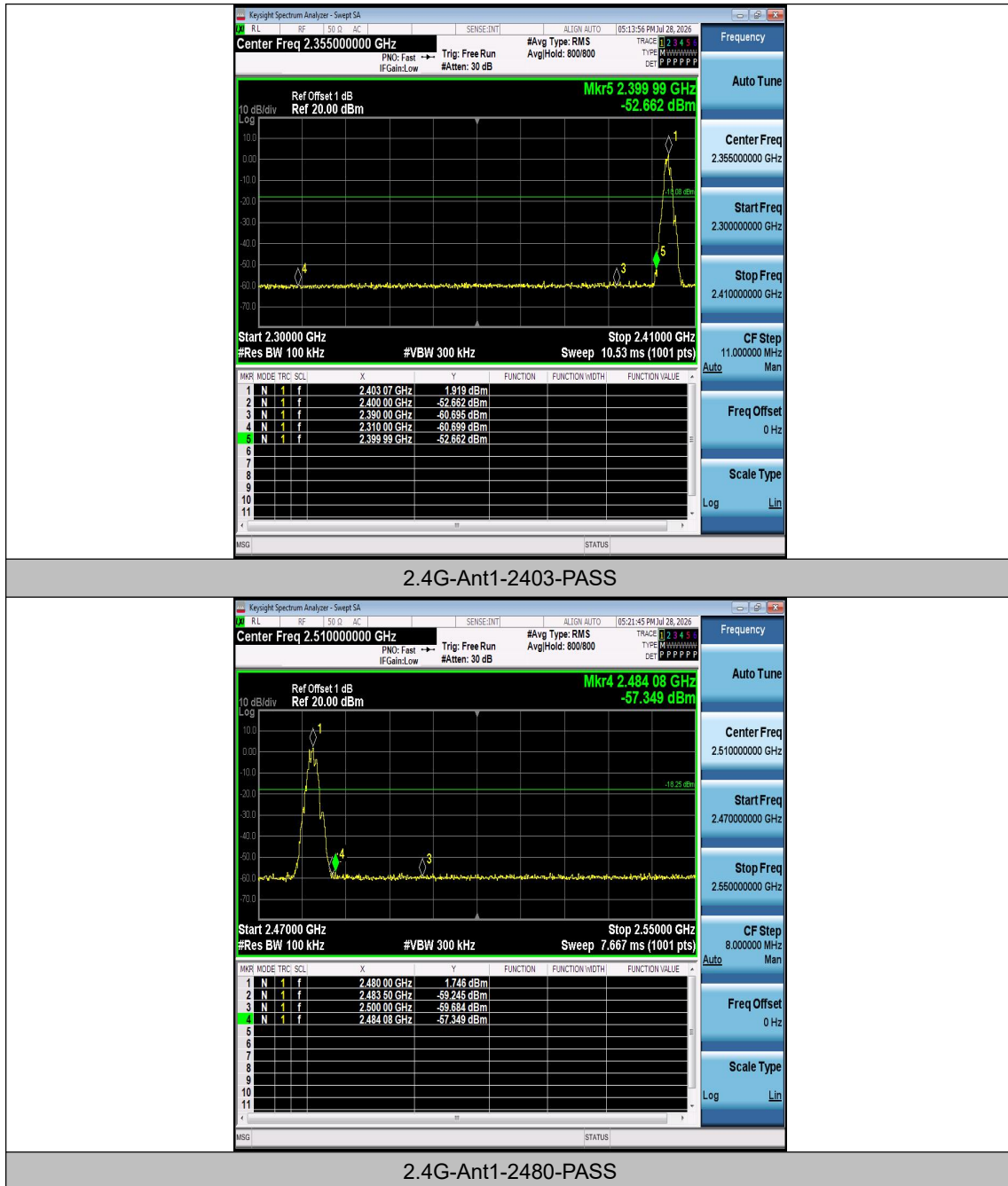
Appendix G: Conducted Band edge

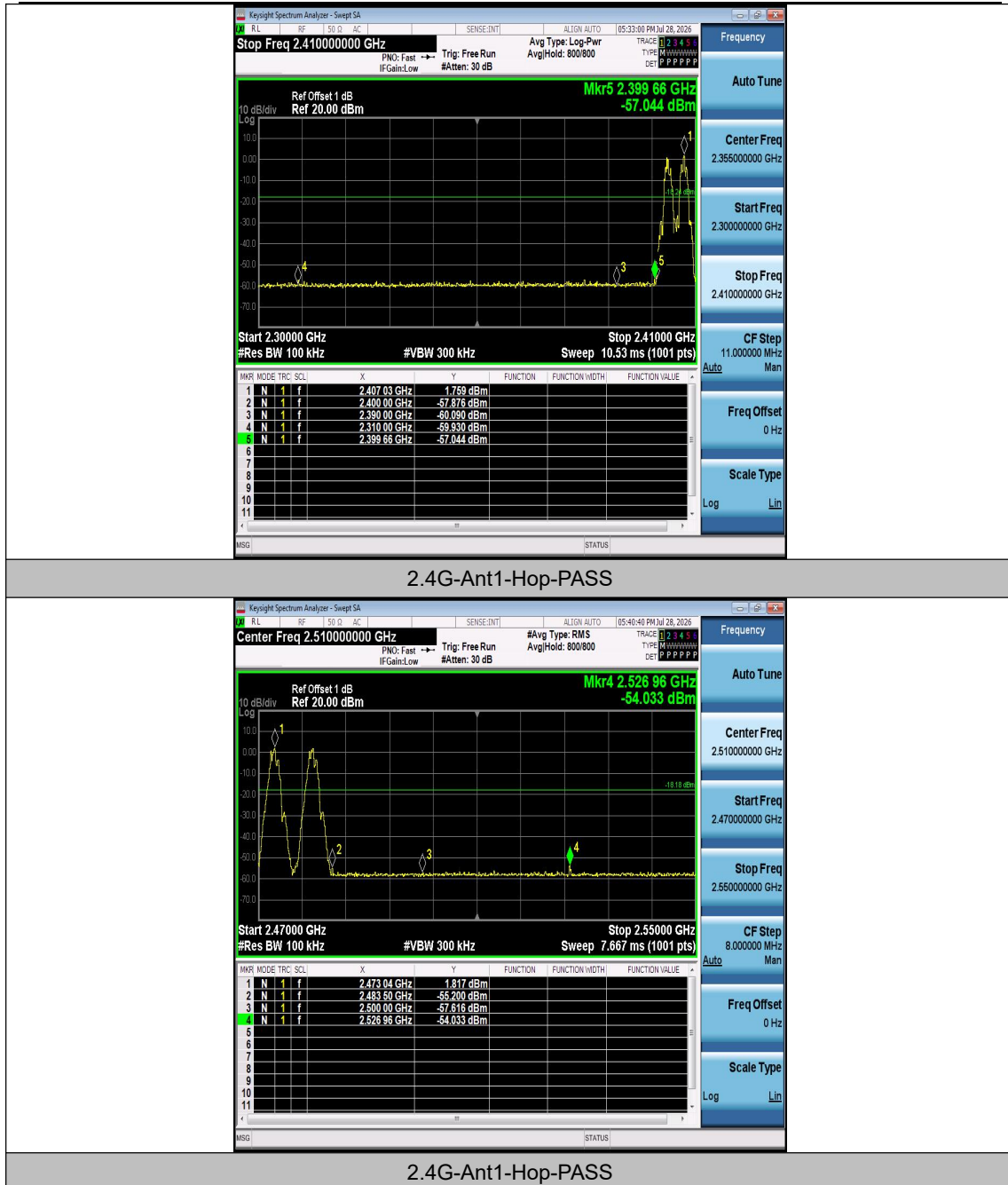
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	1.92	-52.66	≤-18.08	PASS
2.4G	Ant1	High	2480	1.75	-57.35	≤-18.25	PASS
2.4G	Ant1	Low	Hop	1.76	-57.04	≤-18.24	PASS
2.4G	Ant1	High	Hop	1.82	-54.03	≤-18.18	PASS

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

Test Graphs





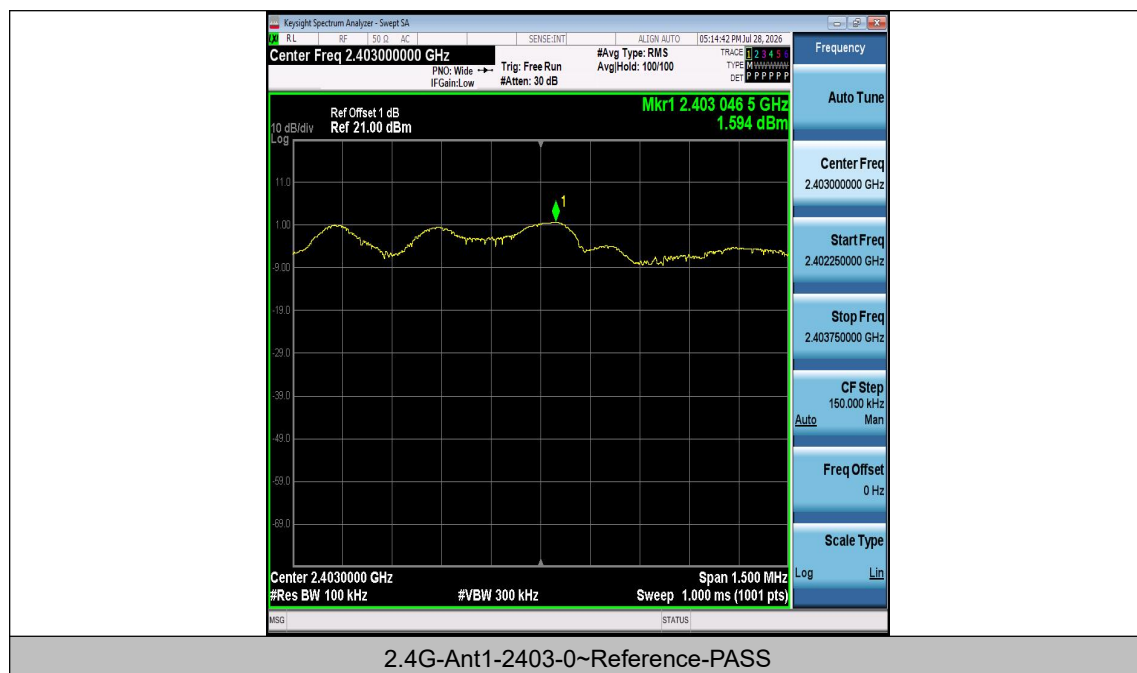
Appendix H: Conducted Spurious Emission

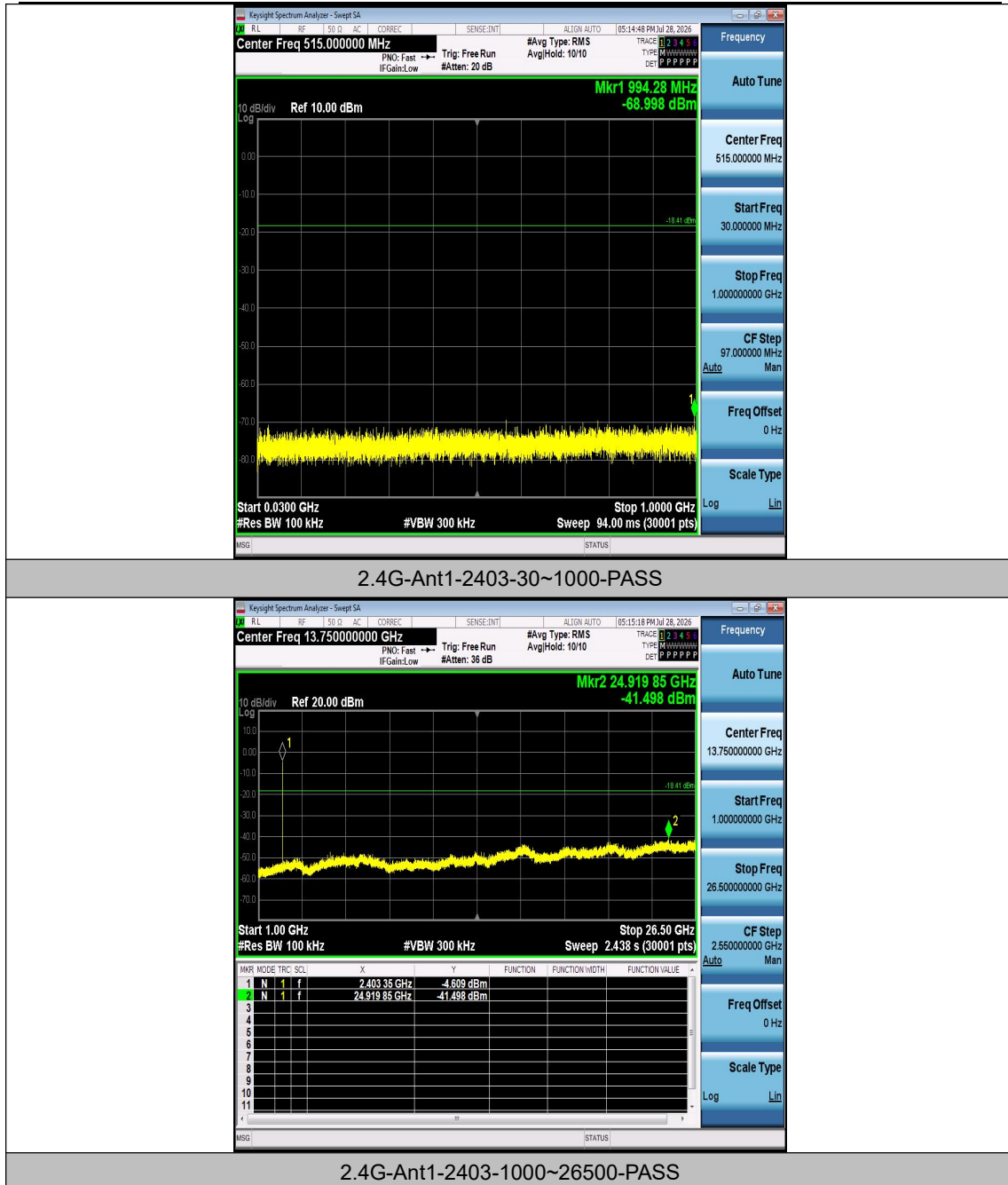
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	0~Reference	1.59	1.59	---	PASS
2.4G	Ant1	2403	30~1000	1.59	-69	≤-18.41	PASS
2.4G	Ant1	2403	1000~26500	1.59	-41.5	≤-18.41	PASS
2.4G	Ant1	2441	0~Reference	1.66	1.66	---	PASS
2.4G	Ant1	2441	30~1000	1.66	-69.66	≤-18.34	PASS
2.4G	Ant1	2441	1000~26500	1.66	-41.47	≤-18.34	PASS
2.4G	Ant1	2480	0~Reference	1.50	1.50	---	PASS
2.4G	Ant1	2480	30~1000	1.50	-69.68	≤-18.5	PASS
2.4G	Ant1	2480	1000~26500	1.50	-41.28	≤-18.5	PASS

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

Test Graphs

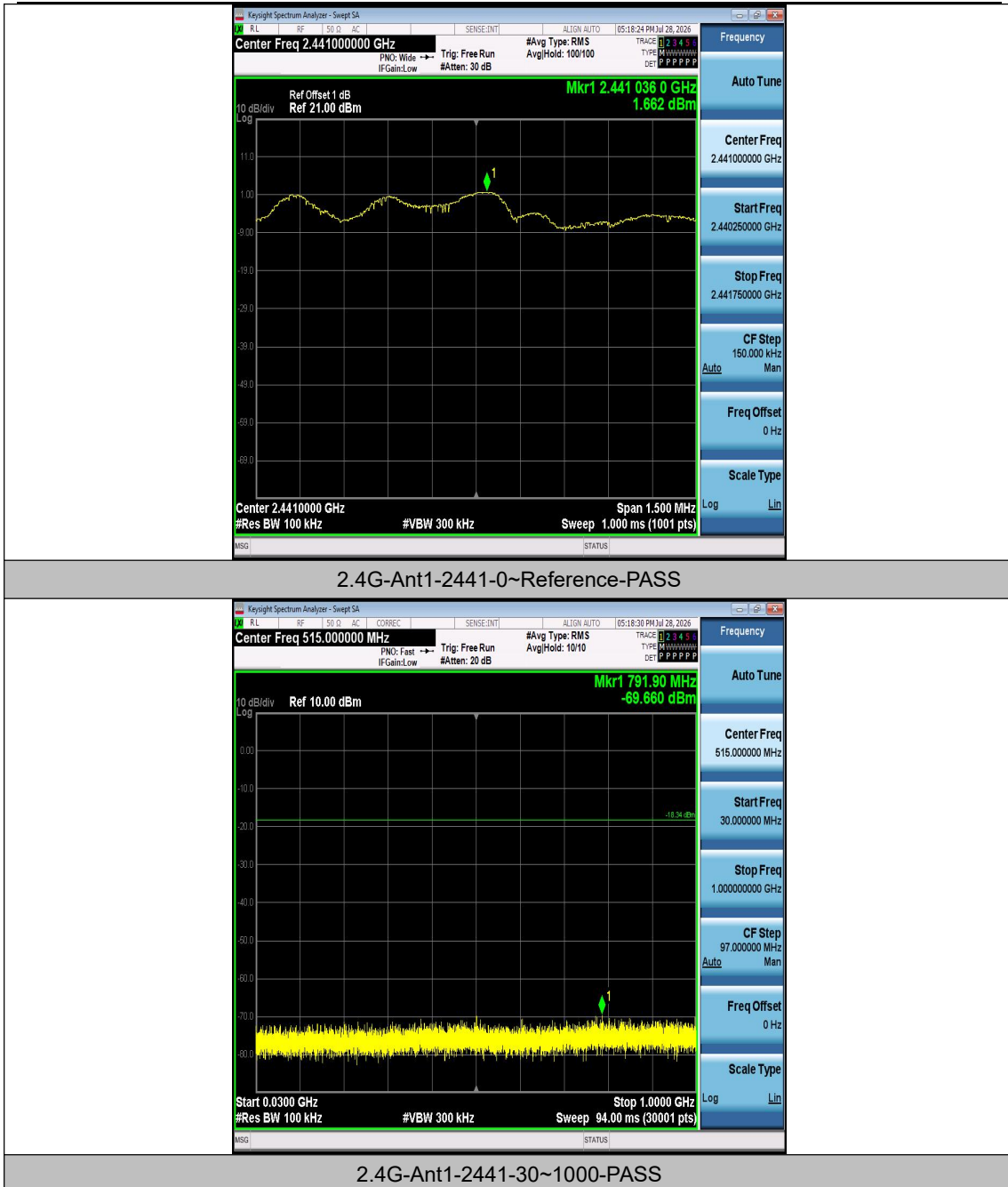




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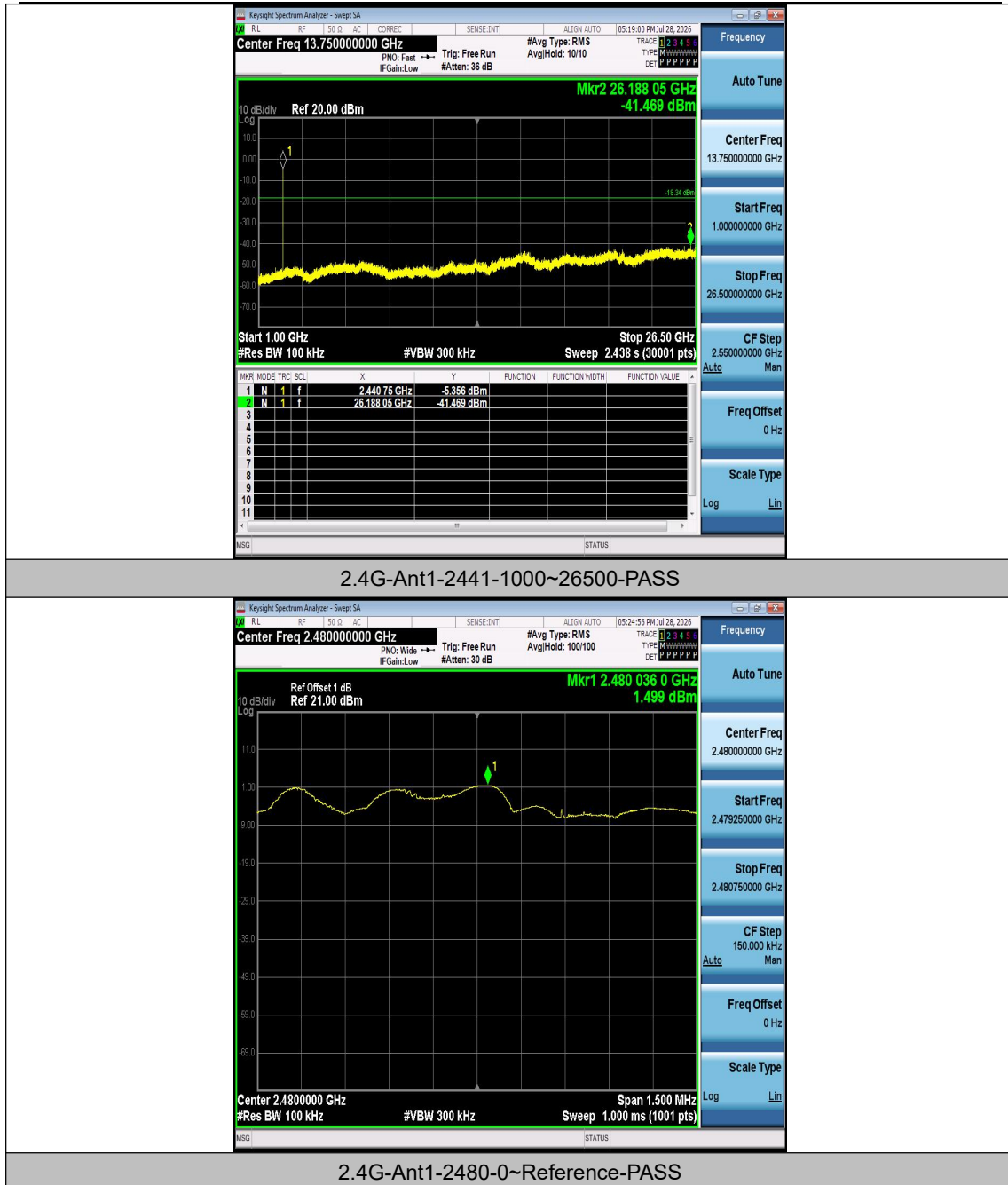
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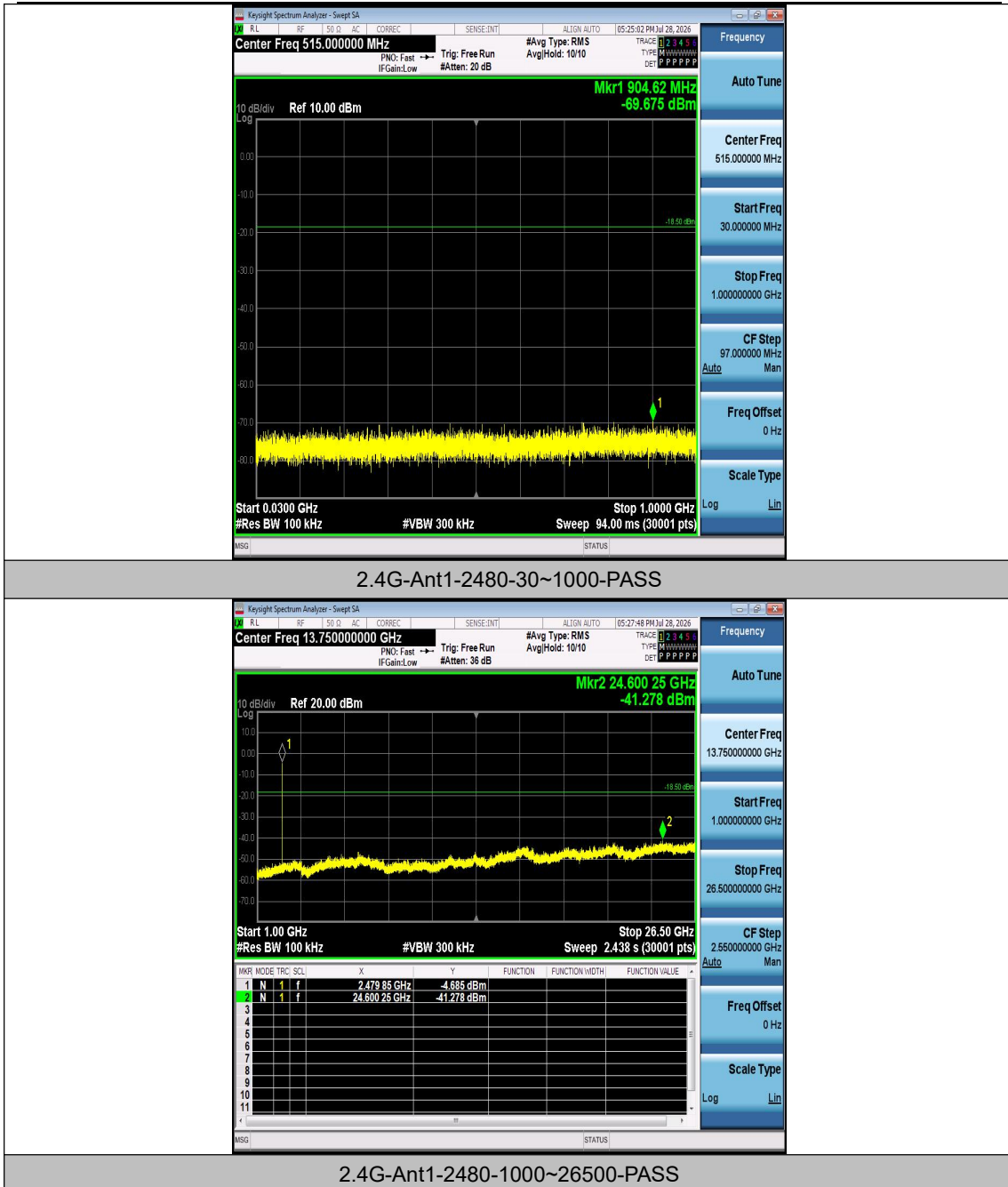
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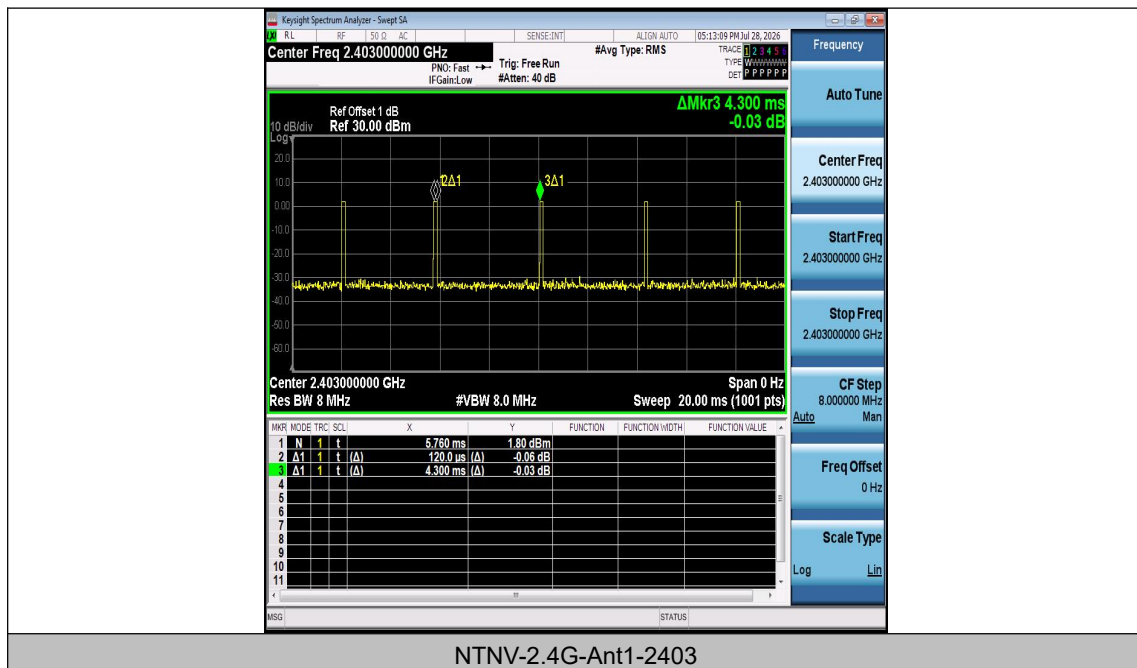


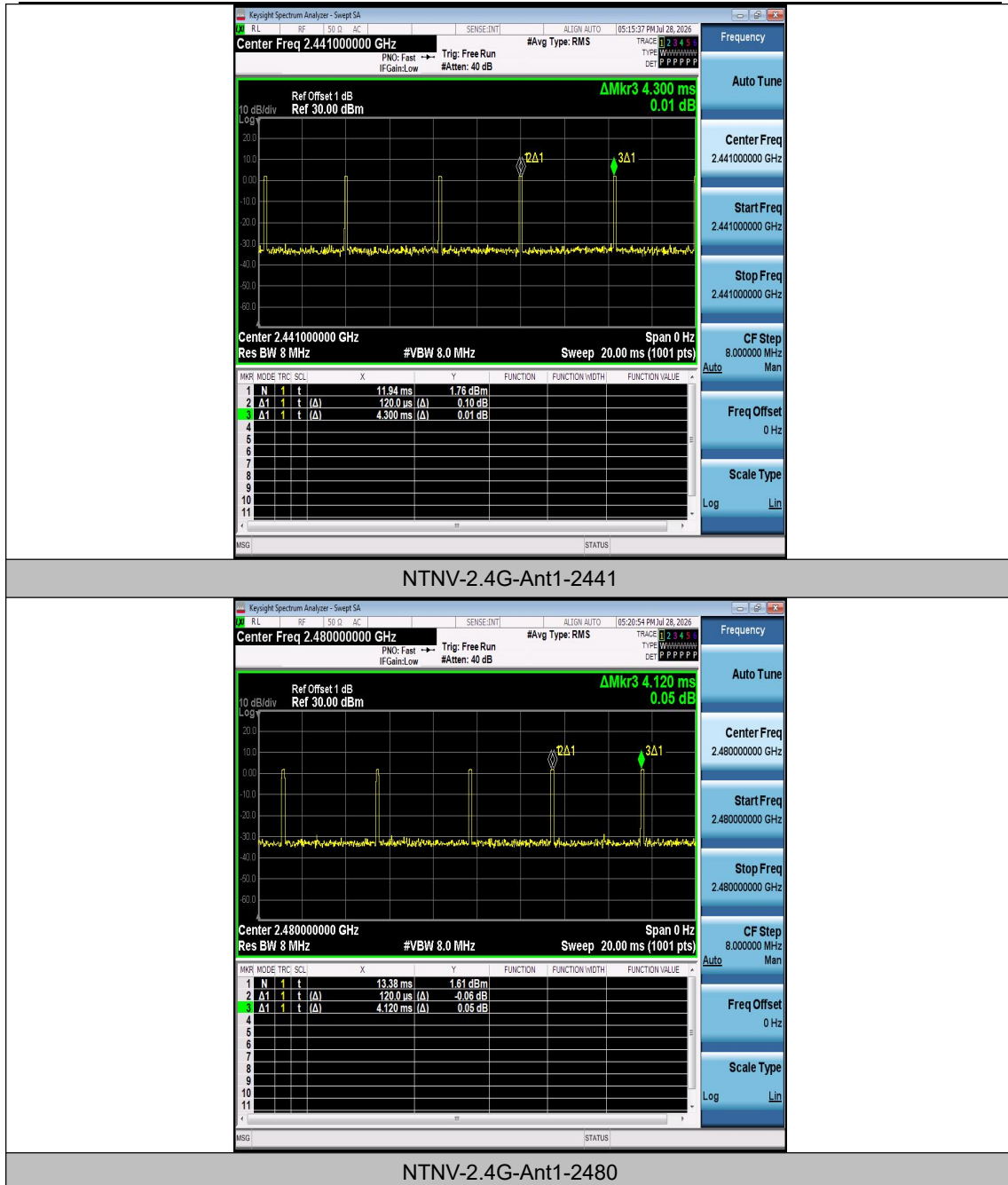
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	0.12	4.30	2.79	15.54
2.4G	Ant1	2441	0.12	4.30	2.79	15.54
2.4G	Ant1	2480	0.12	4.12	2.91	15.36

Test Graphs





---End---