

Appendix Test Data

Report No.:	1812C60059012502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-21	Finish Test Date:	2026-2-25
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23.1°C	Relative Humidity:	52%
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	2402	1.293	2401.439	2402.732	---	---
2.4G	Ant1	2440	1.290	2439.442	2440.732	---	---
2.4G	Ant1	2480	1.293	2479.439	2480.732	---	---

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	2402	1.2062	2401.4769	2402.6831	---	---
2.4G	Ant1	2440	1.2009	2439.4813	2440.6822	---	---
2.4G	Ant1	2480	1.2045	2479.4802	2480.6847	---	---

Test Graphs



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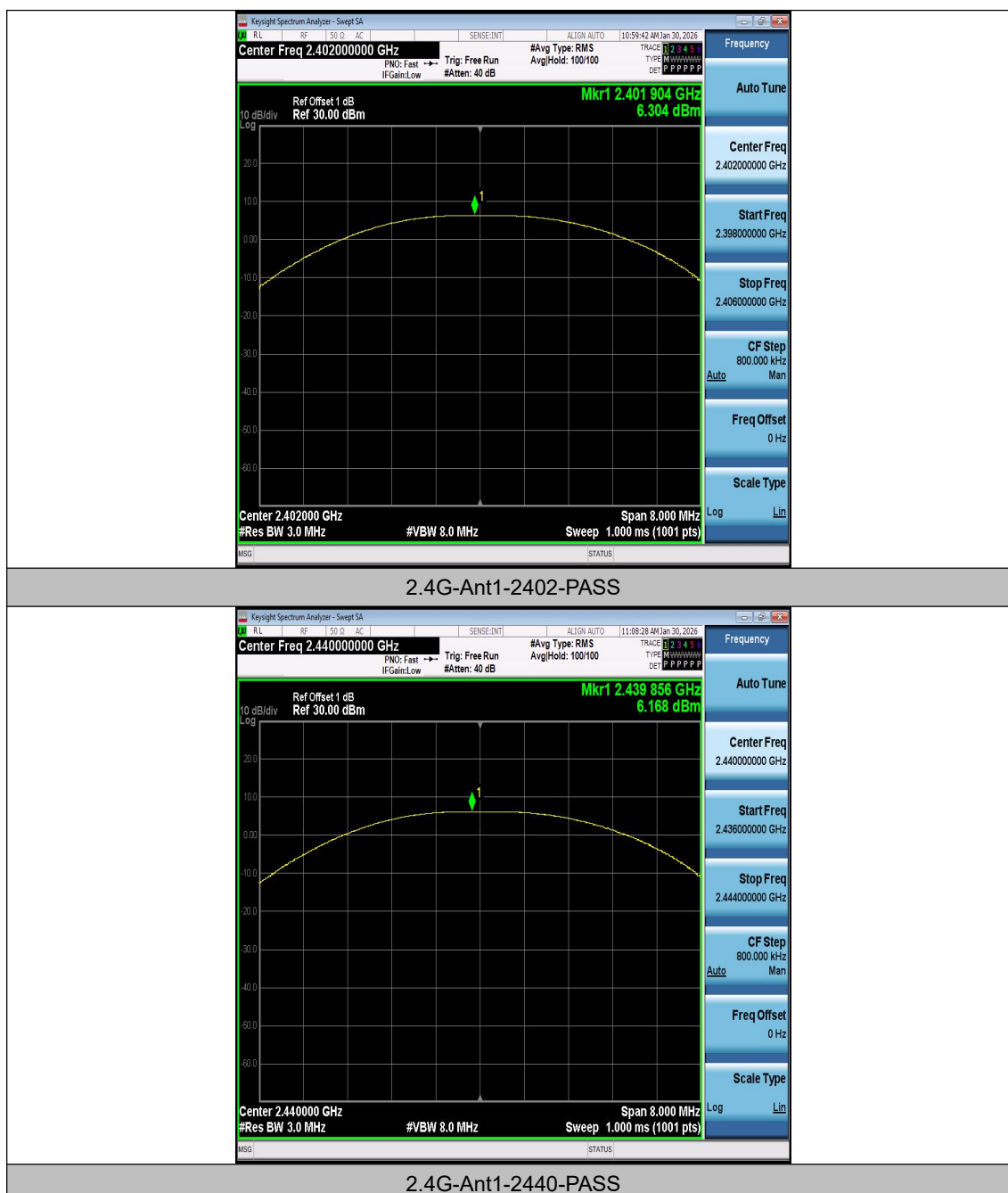
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	6.30	≤30	PASS
2.4G	Ant1	2440	6.17	≤30	PASS
2.4G	Ant1	2480	5.93	≤30	PASS

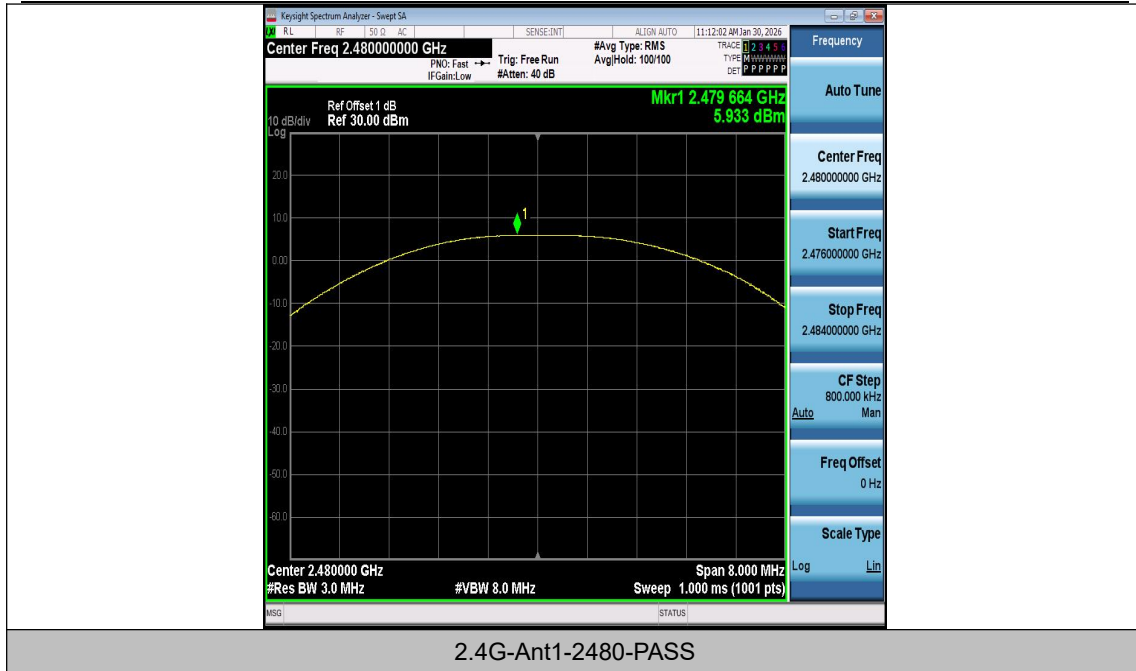
Test Graphs



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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	>0.862	PASS

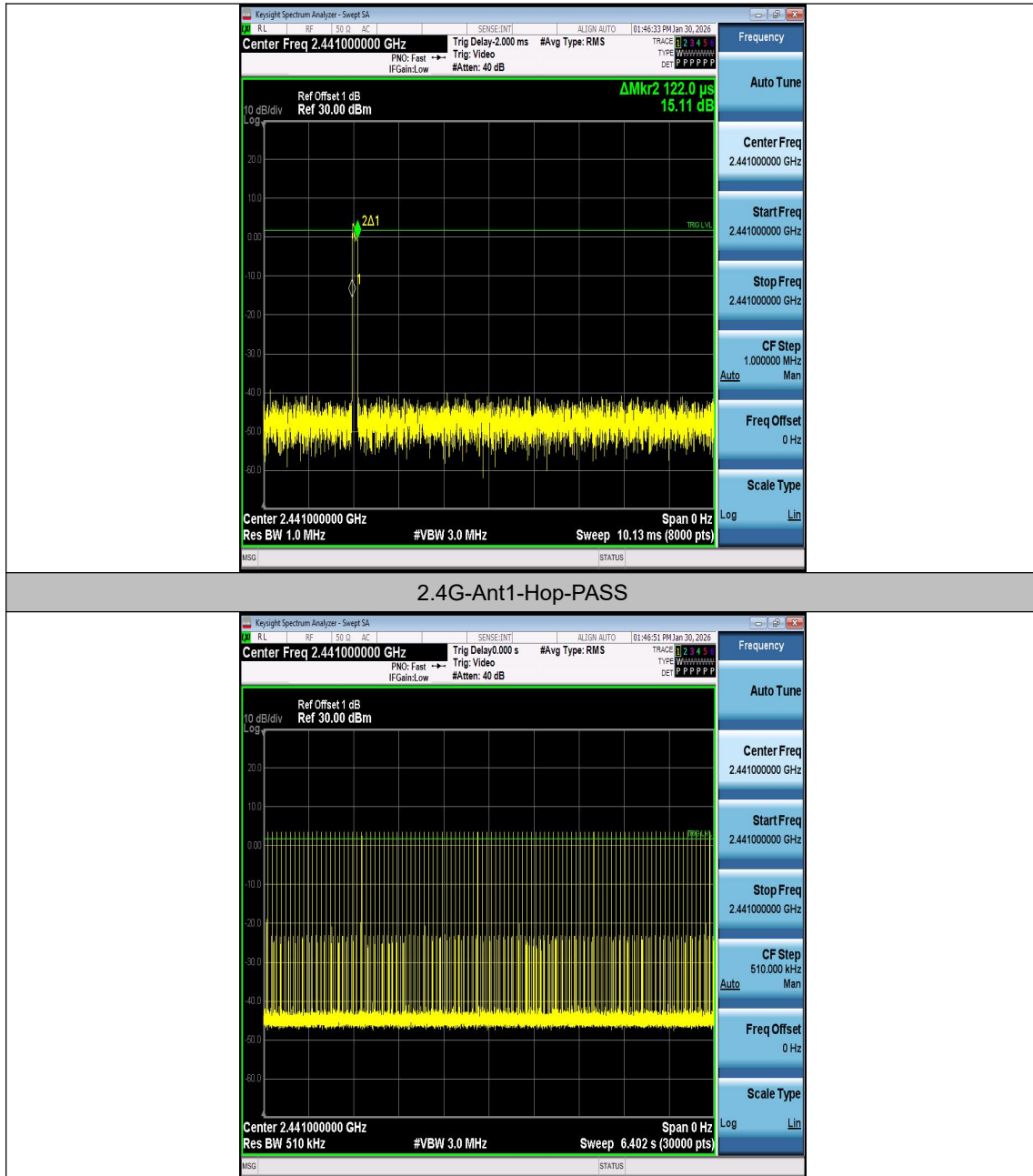
Note: For conducted power less than 0.125 W(20.97 dBm), the limit can be set using hopping channel carrier frequencies that are separated by 25 kHz or two thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

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	498	0.061	≤0.4	PASS

Test Graphs



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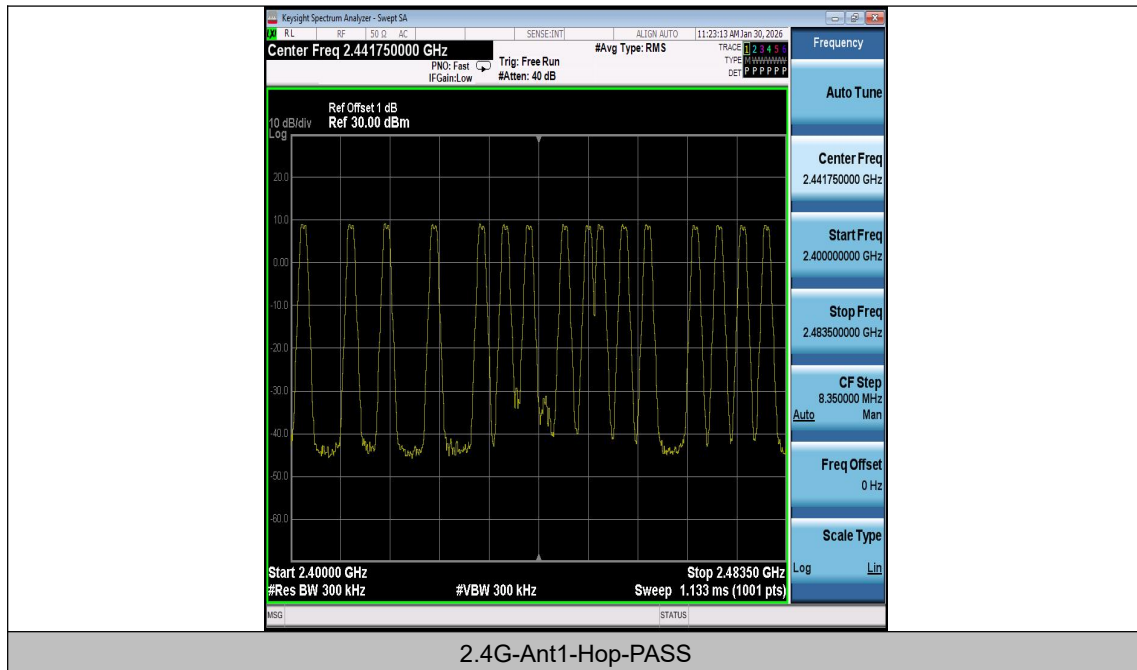
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Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



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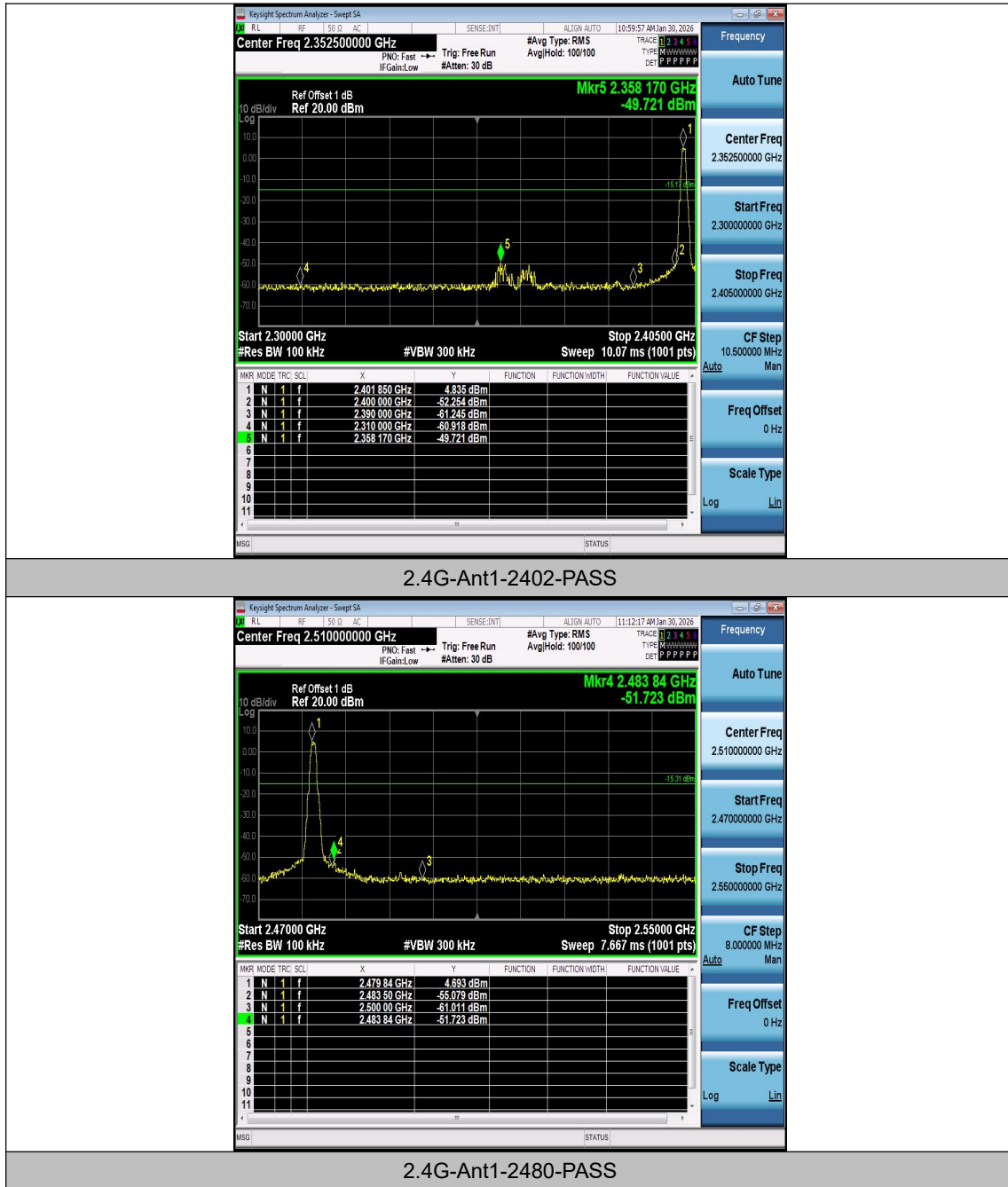
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	4.84	-49.72	≤ -15.17	PASS
2.4G	Ant1	High	2480	4.69	-51.72	≤ -15.31	PASS
2.4G	Ant1	Low	Hop_2402	-13.99	-53.59	≤ -33.99	PASS
2.4G	Ant1	High	Hop_2480	-17.05	-56.75	≤ -37.05	PASS

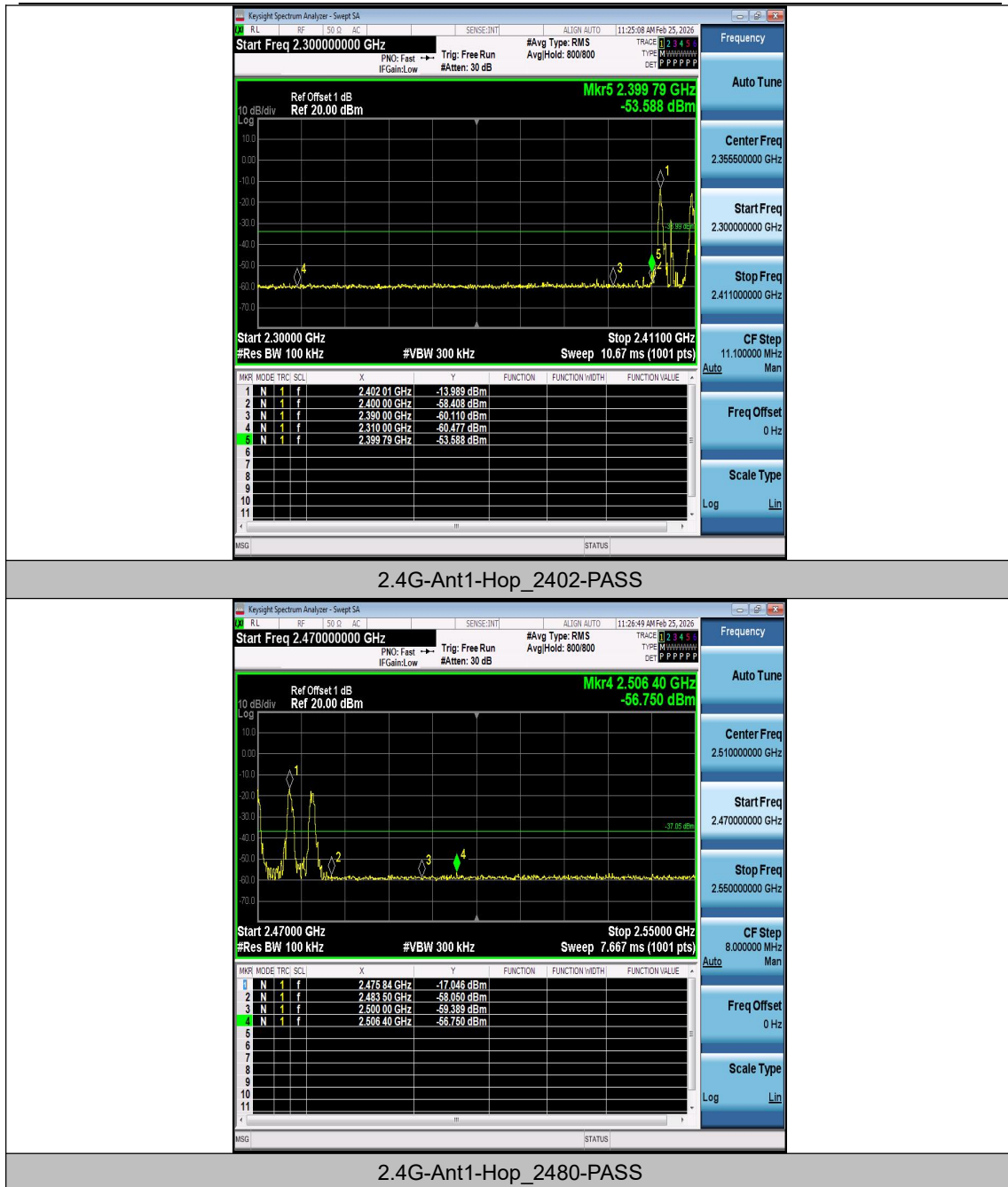
Test Graphs



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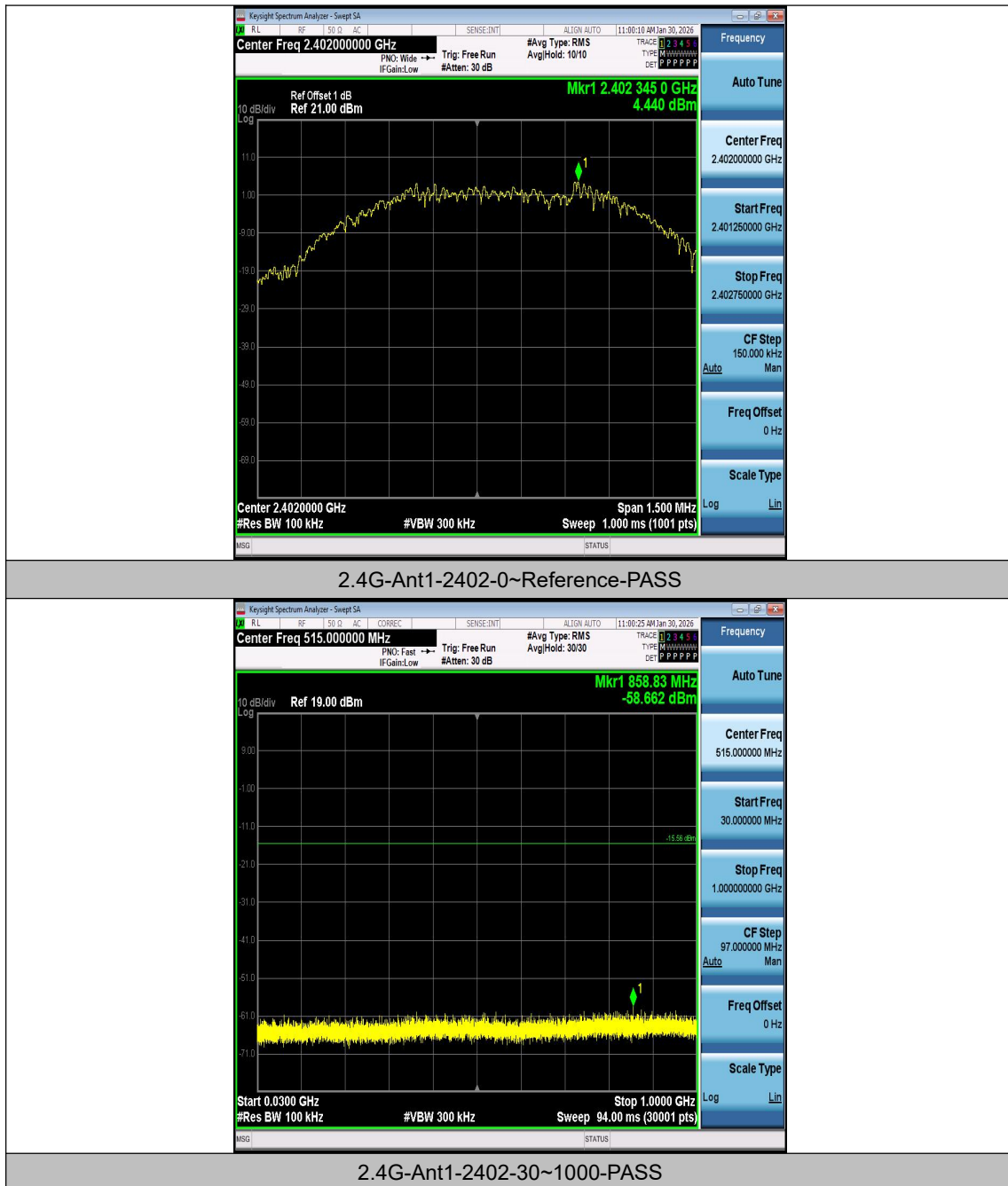
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	4.44	4.44	---	PASS
2.4G	Ant1	2402	30~1000	4.44	-58.66	≤-15.56	PASS
2.4G	Ant1	2402	1000~26500	4.44	-38.61	≤-15.56	PASS
2.4G	Ant1	2440	0~Reference	4.27	4.27	---	PASS
2.4G	Ant1	2440	30~1000	4.27	-58.5	≤-15.73	PASS
2.4G	Ant1	2440	1000~26500	4.27	-38.4	≤-15.73	PASS
2.4G	Ant1	2480	0~Reference	4.09	4.09	---	PASS
2.4G	Ant1	2480	30~1000	4.09	-46.67	≤-15.91	PASS
2.4G	Ant1	2480	1000~26500	4.09	-46.33	≤-15.91	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.

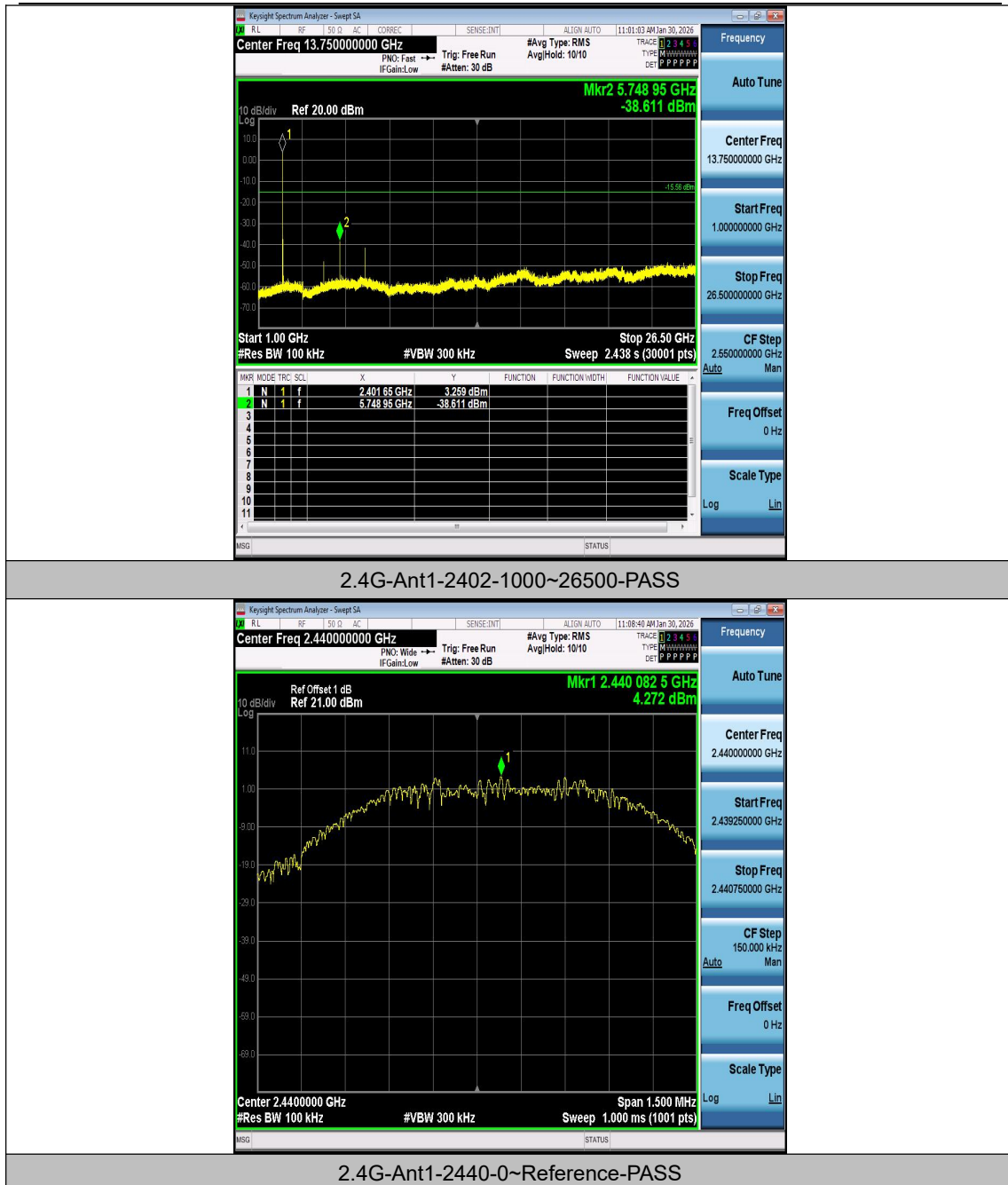
Test Graphs



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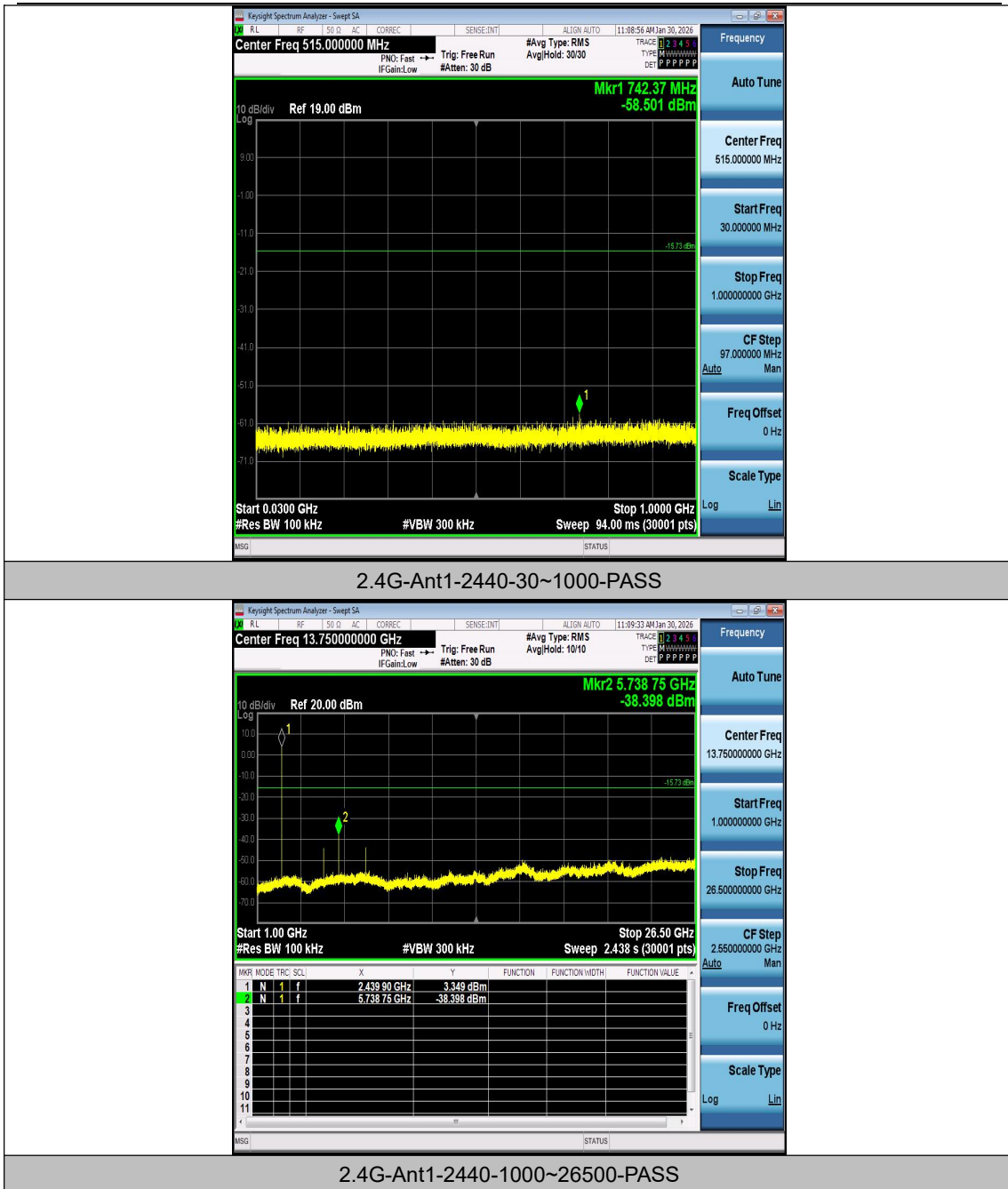
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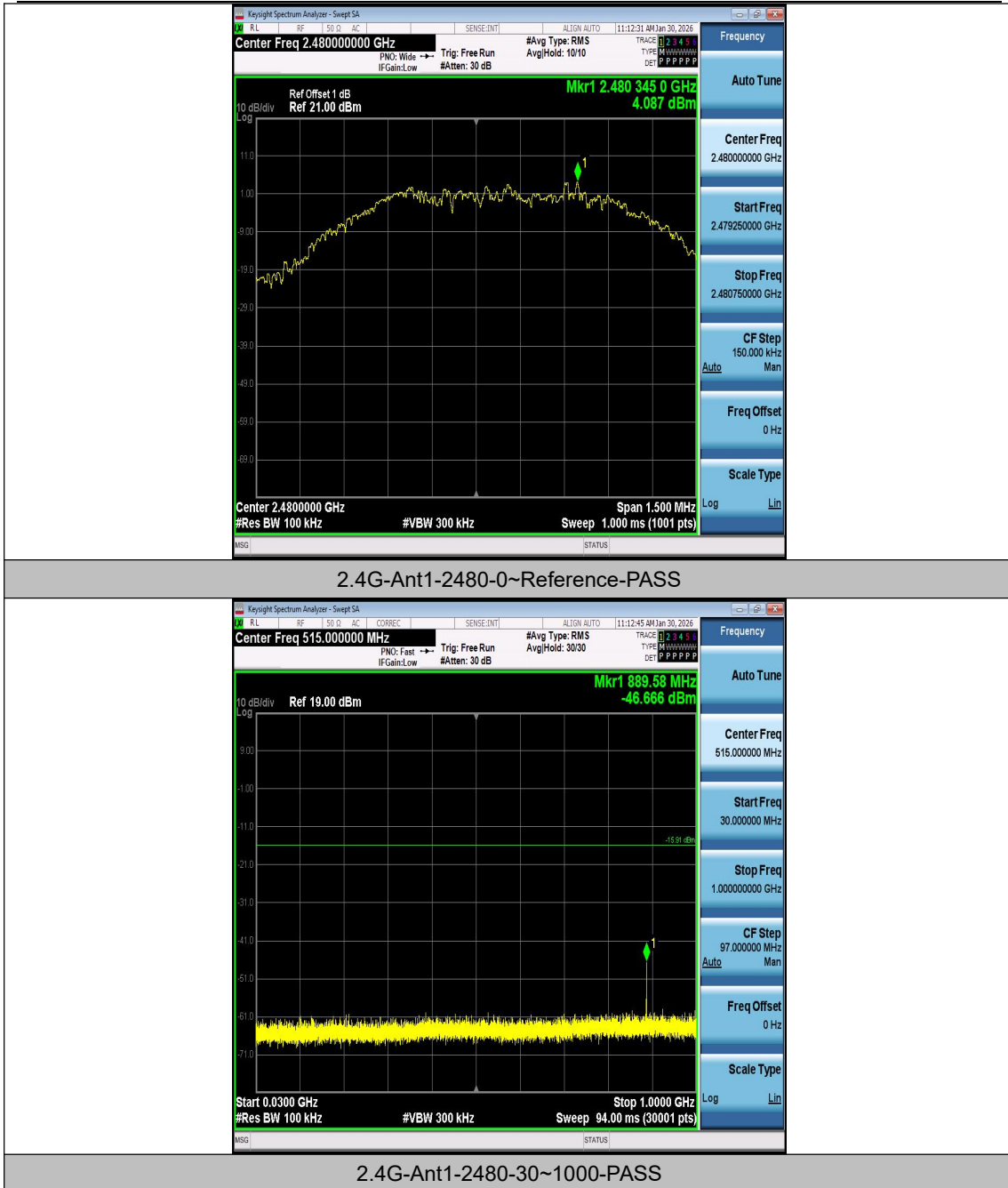
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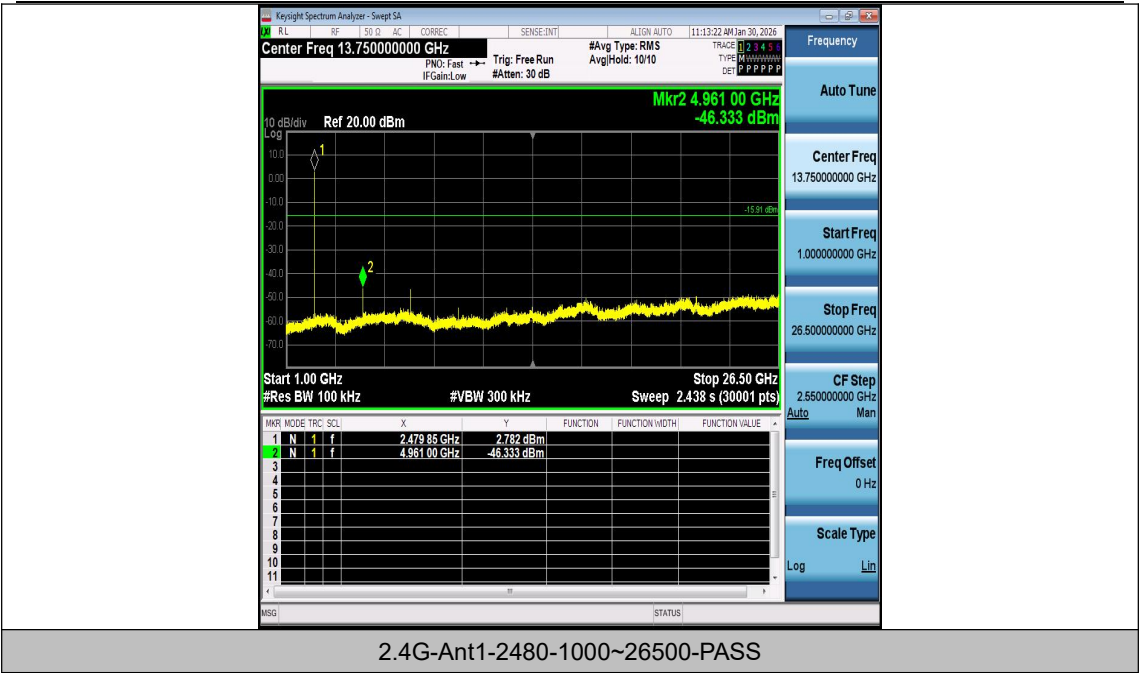
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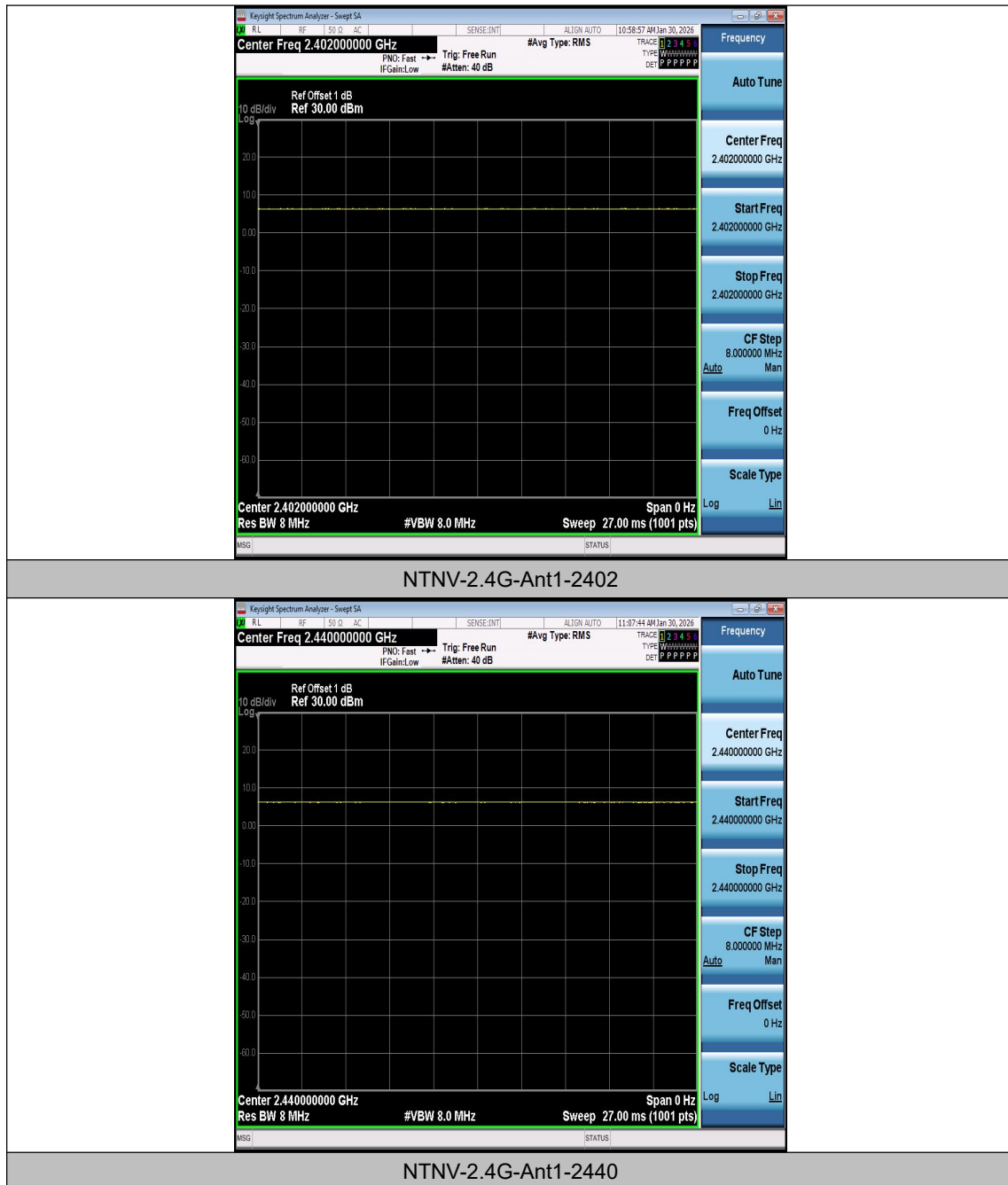
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.00	0.00	100	NaN
2.4G	Ant1	2440	0.00	0.00	100	NaN
2.4G	Ant1	2480	0.00	0.00	100	NaN

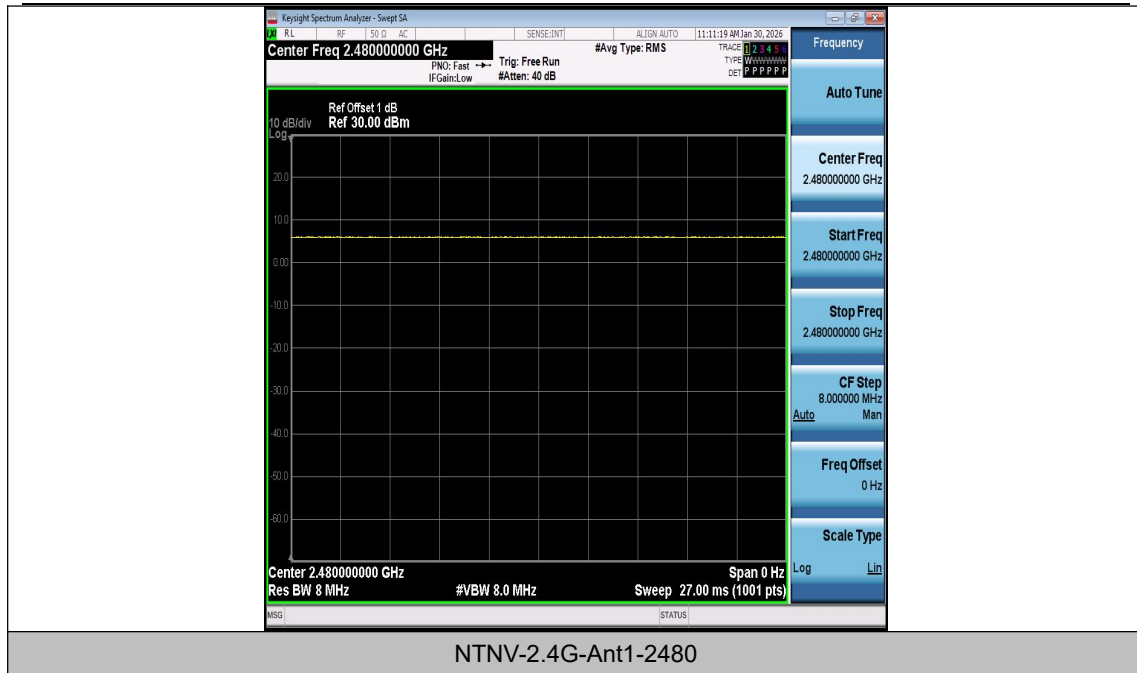
Test Graphs



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