

Appendix Test Data

Report No.:	1812C50467312503	Test Sample No.:	1-2-2
Start Test Date:	2025-09-16	Finish Test Date:	2025-09-16
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22.9℃	Relative Humidity:	54%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.966	2401.529	2402.495	---	---
DH5	Ant1	2441	0.942	2440.535	2441.477	---	---
DH5	Ant1	2480	0.963	2479.523	2480.486	---	---

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
DH5	Ant1	2402	0.88769	2401.5581	2402.4458	---	---
DH5	Ant1	2441	0.89214	2440.5569	2441.4490	---	---
DH5	Ant1	2480	0.89312	2479.5535	2480.4466	---	---

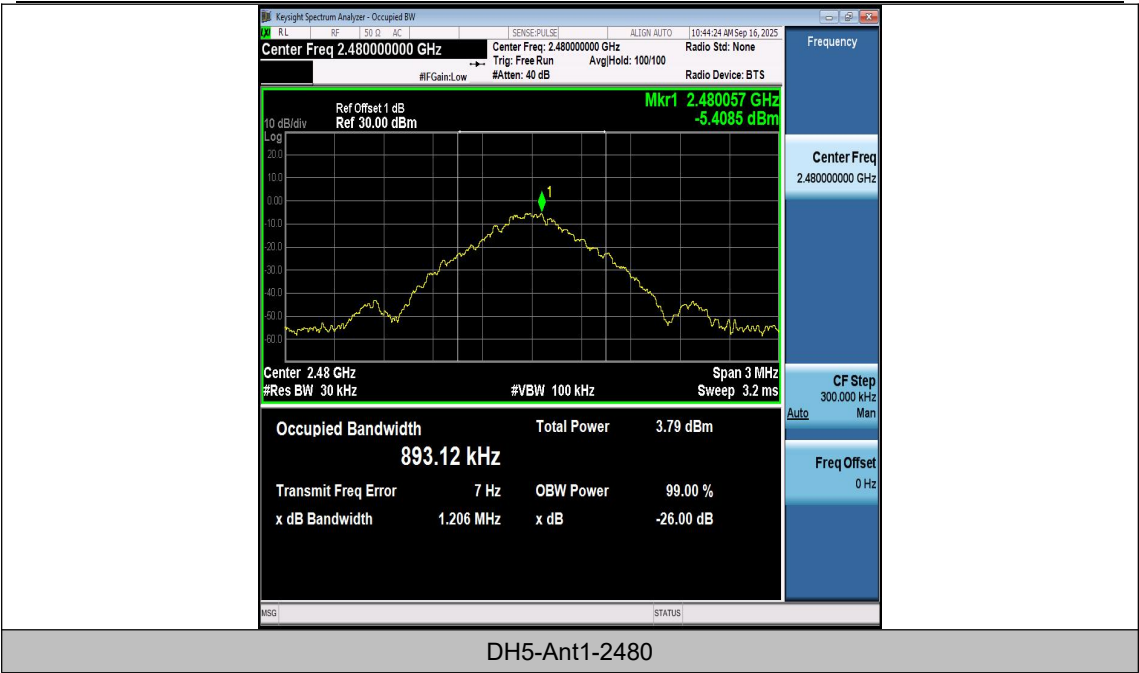
Test Graphs



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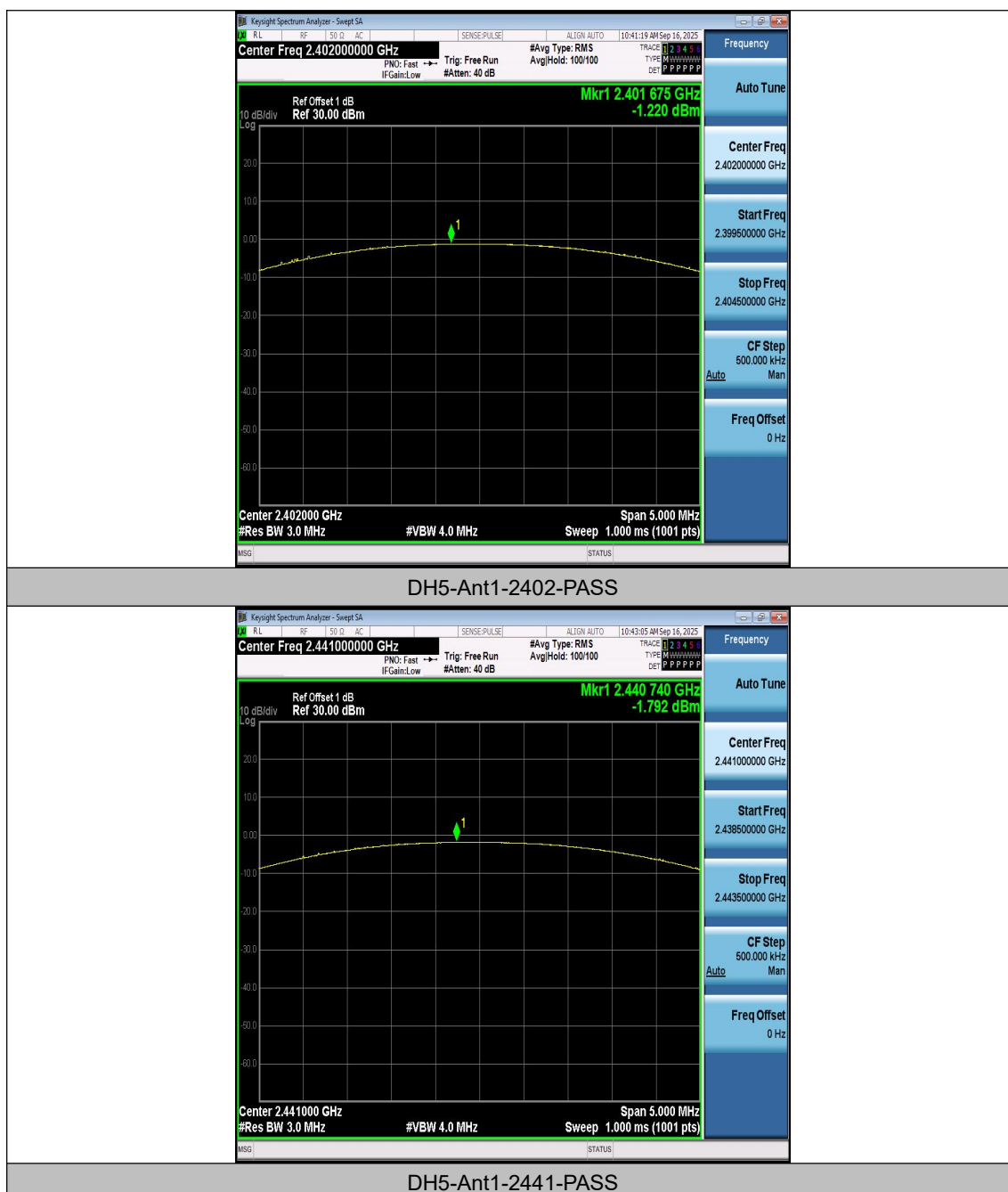
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.22	≤20.97	PASS
DH5	Ant1	2441	-1.79	≤20.97	PASS
DH5	Ant1	2480	-2.53	≤20.97	PASS

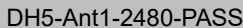
Test Graphs



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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.018	≥0.644	PASS

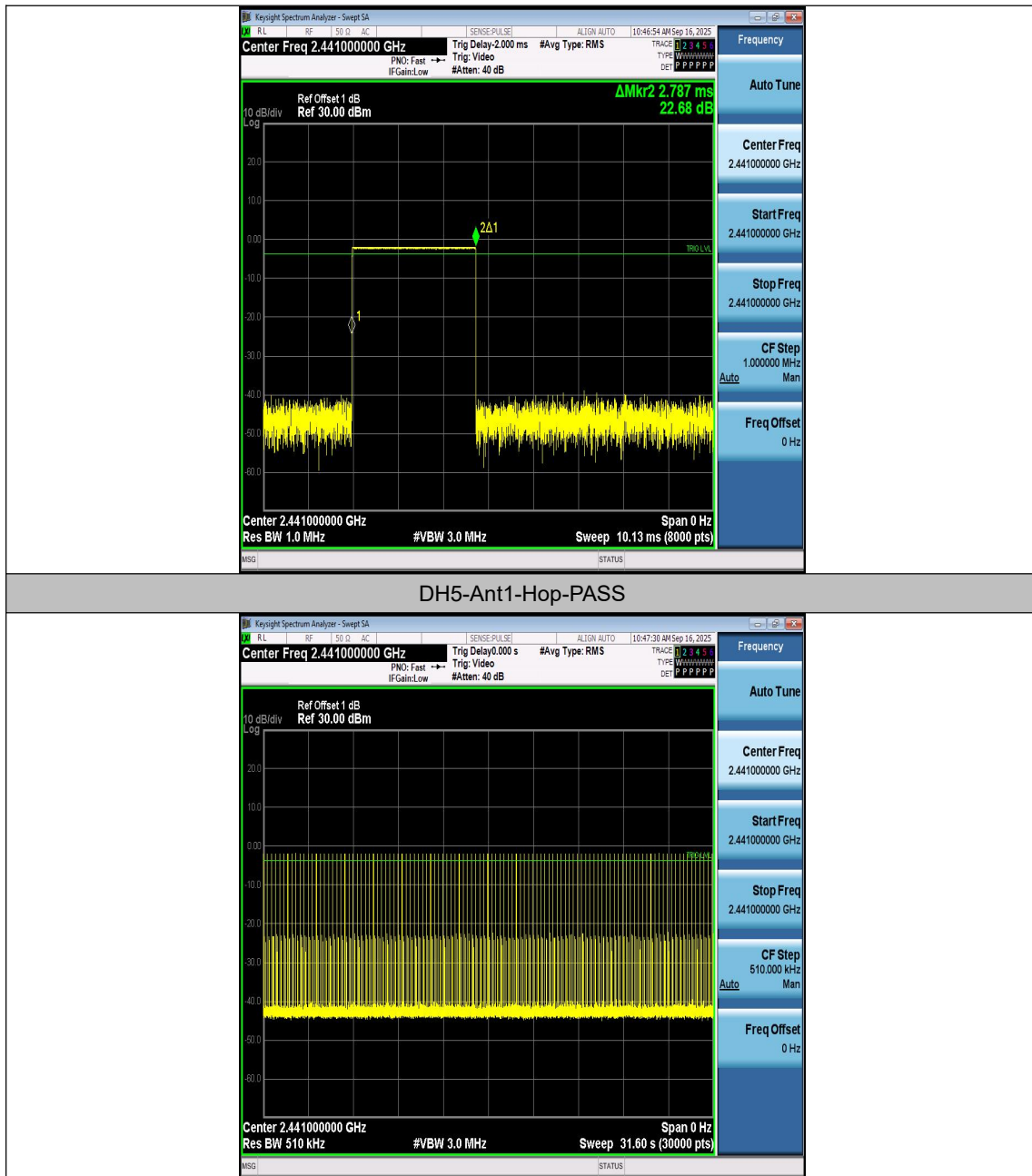
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.787	111	0.309	≤0.4	PASS

Test Graphs



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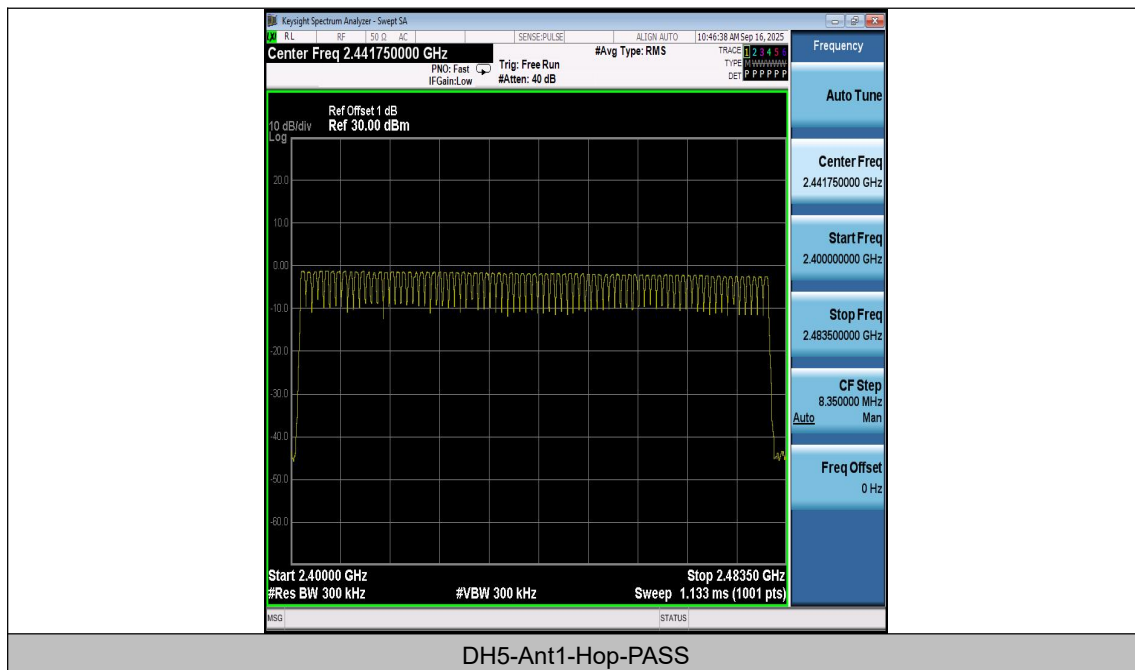
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



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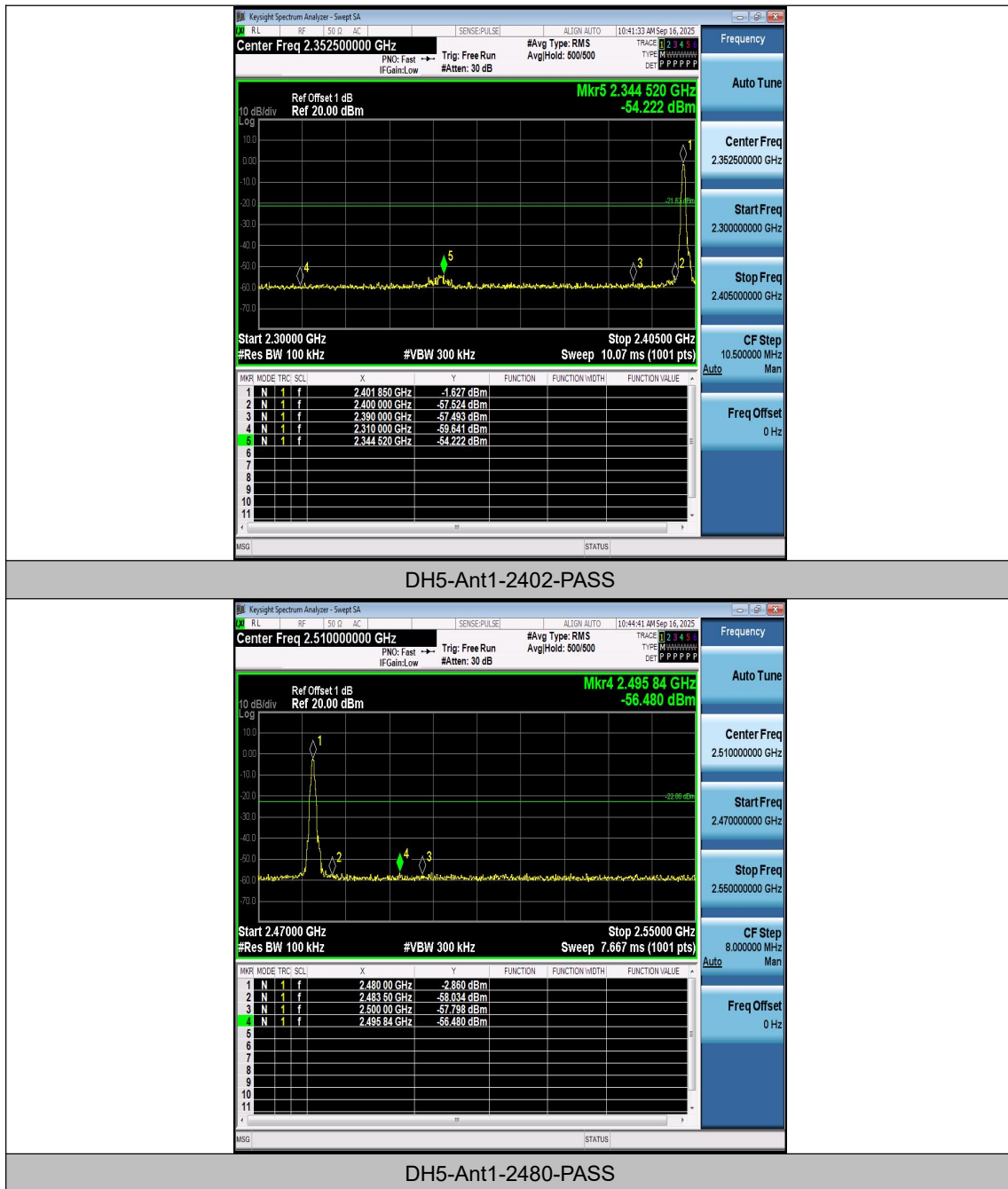
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.63	-54.22	≤-21.63	PASS
DH5	Ant1	High	2480	-2.86	-56.48	≤-22.86	PASS
DH5	Ant1	Low	Hop_2402	-1.78	-57.1	≤-21.78	PASS
DH5	Ant1	High	Hop_2480	-2.64	-56.6	≤-22.64	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.

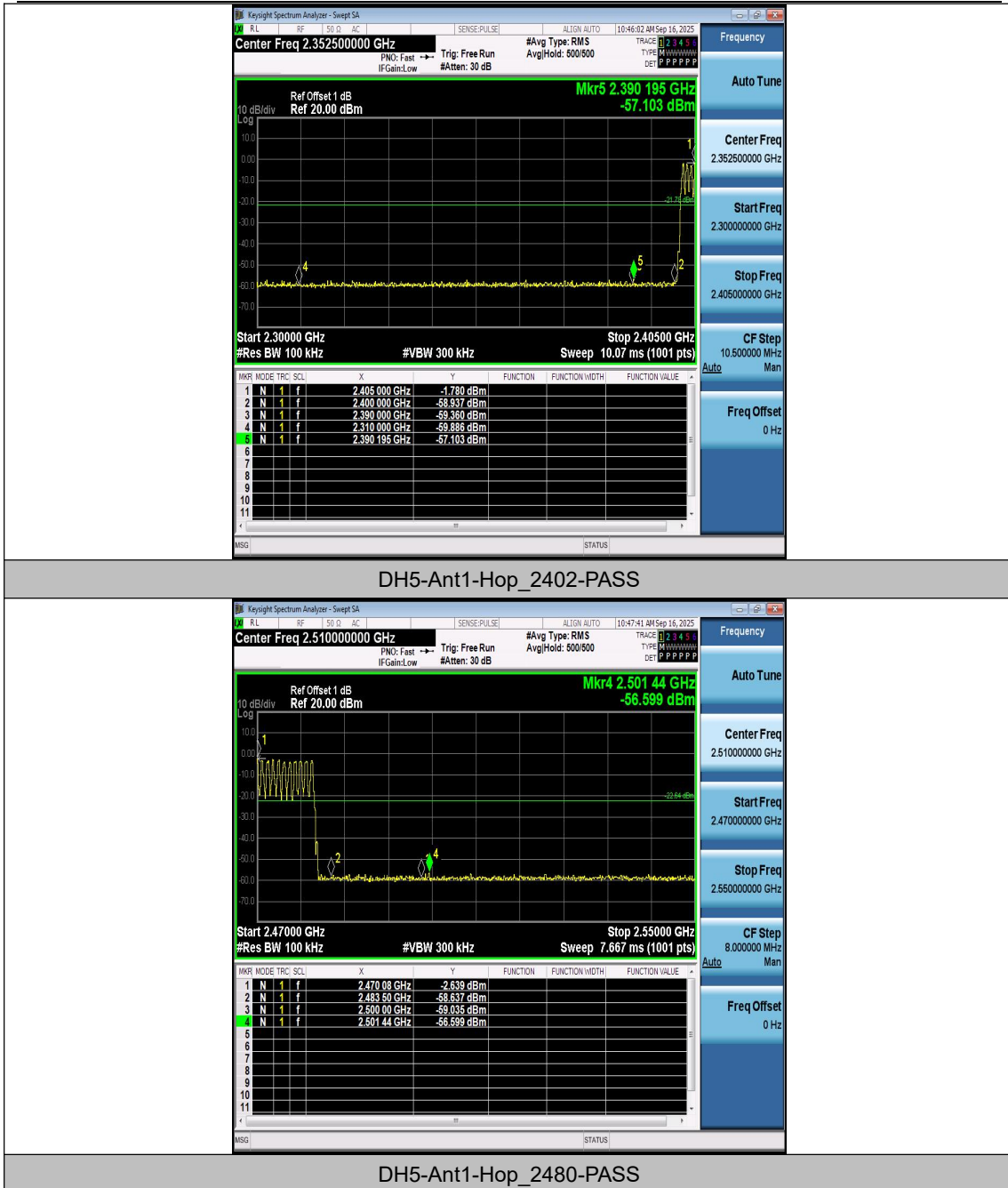
Test Graphs



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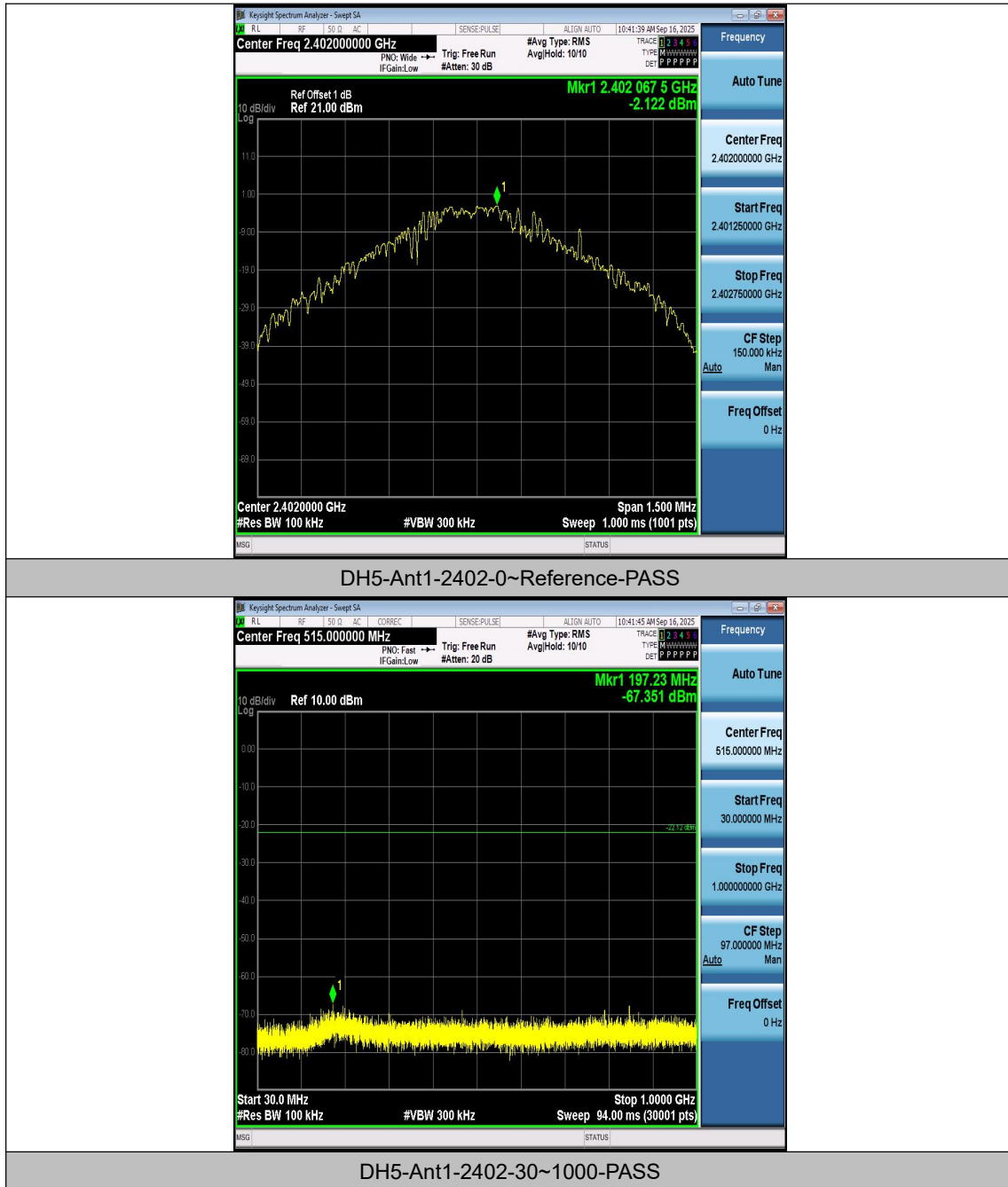
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.12	-2.12	---	PASS
DH5	Ant1	2402	30~1000	-2.12	-67.35	≤-22.12	PASS
DH5	Ant1	2402	1000~26500	-2.12	-47.43	≤-22.12	PASS
DH5	Ant1	2441	0~Reference	-2.74	-2.74	---	PASS
DH5	Ant1	2441	30~1000	-2.74	-66.24	≤-22.74	PASS
DH5	Ant1	2441	1000~26500	-2.74	-47.56	≤-22.74	PASS
DH5	Ant1	2480	0~Reference	-3.53	-3.53	---	PASS
DH5	Ant1	2480	30~1000	-3.53	-67.17	≤-23.53	PASS
DH5	Ant1	2480	1000~26500	-3.53	-50.5	≤-23.53	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.

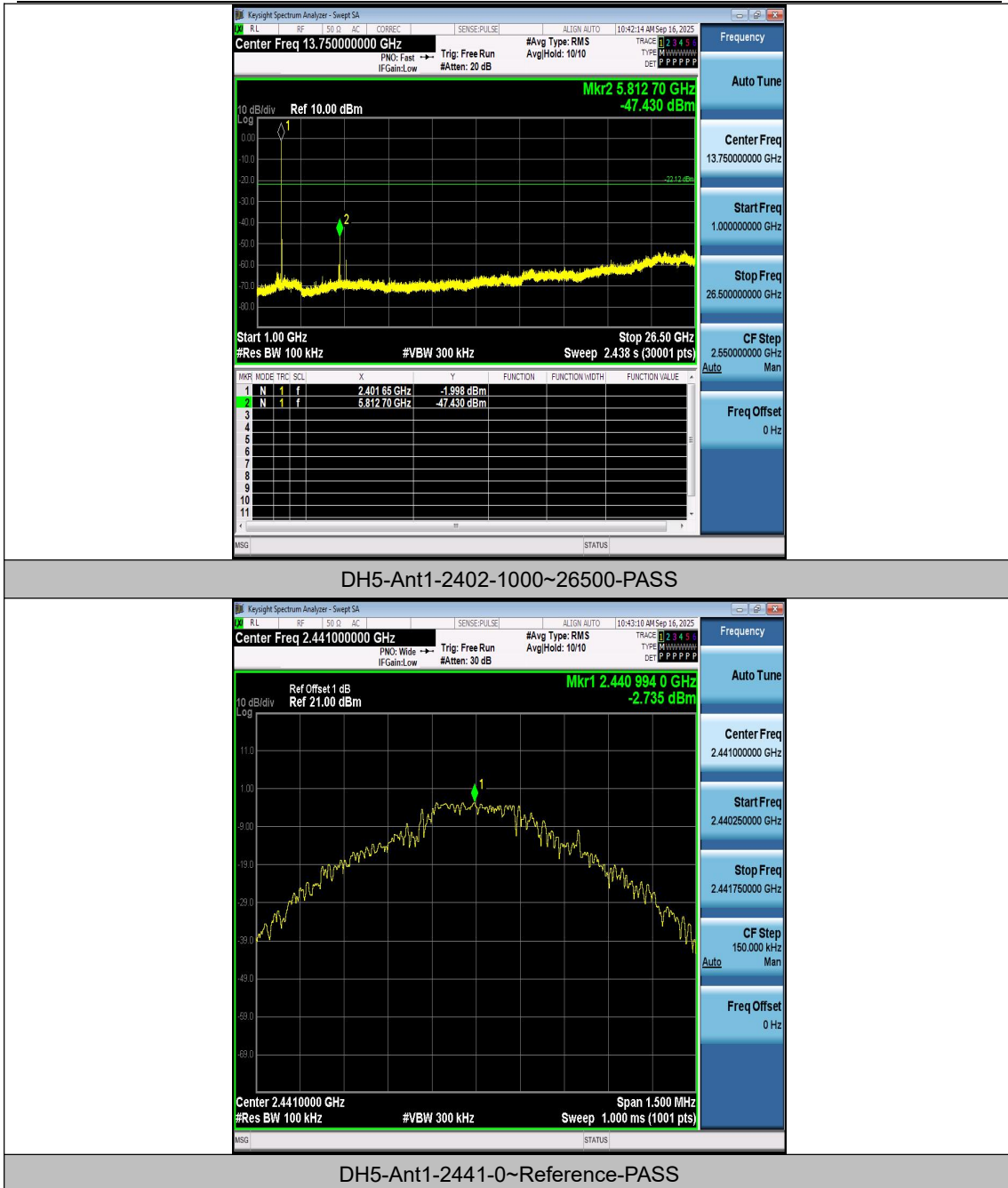
Test Graphs



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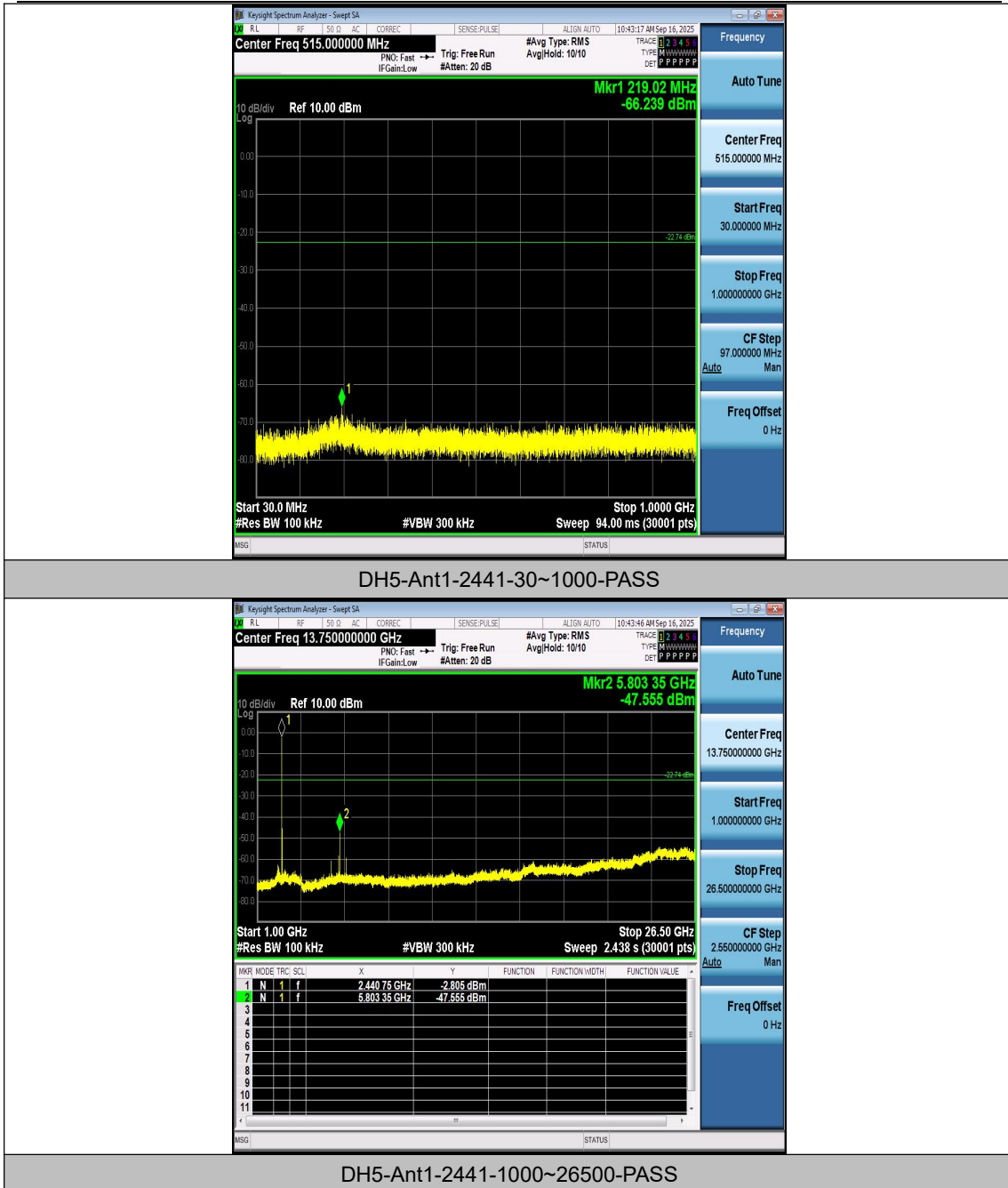
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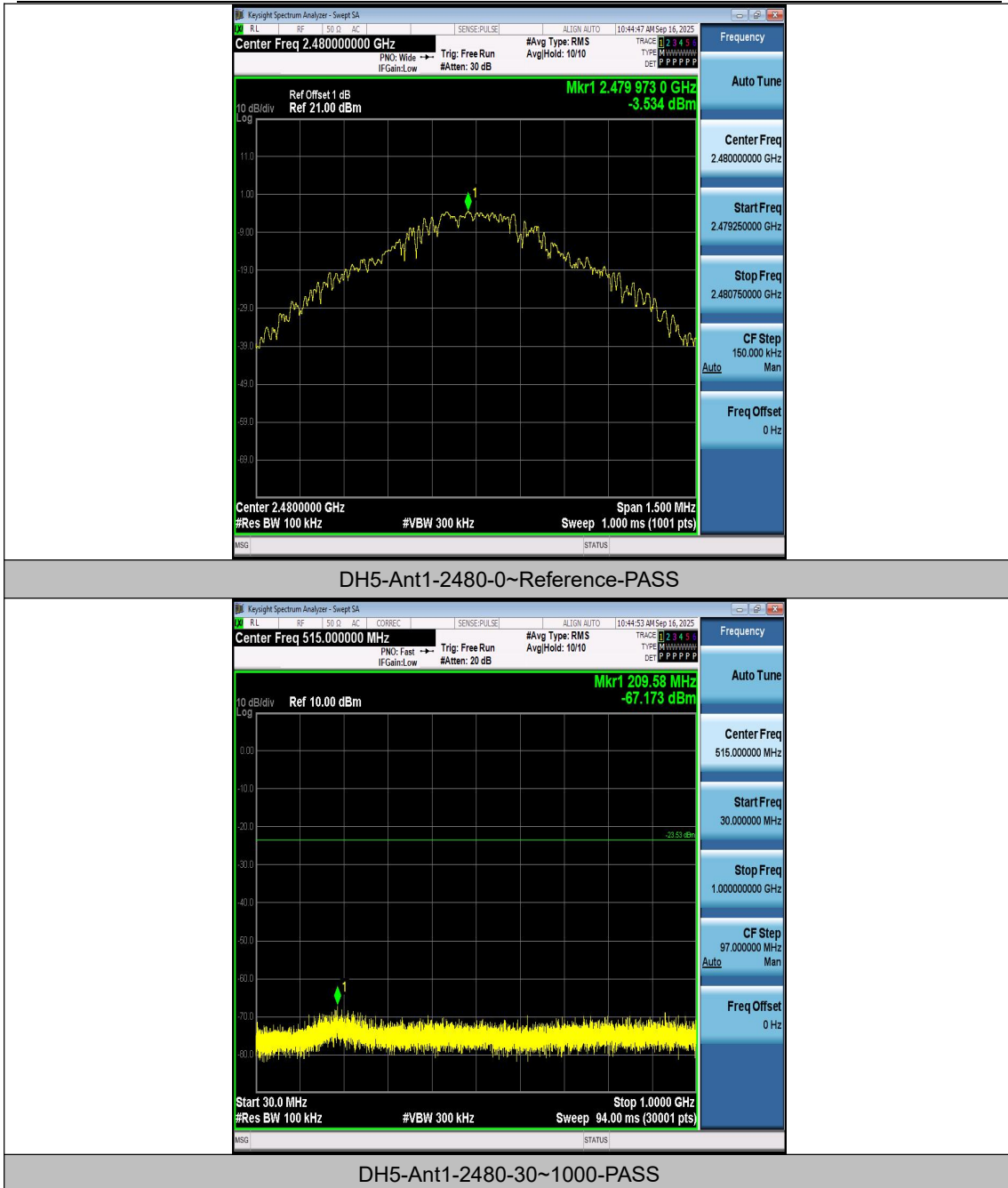
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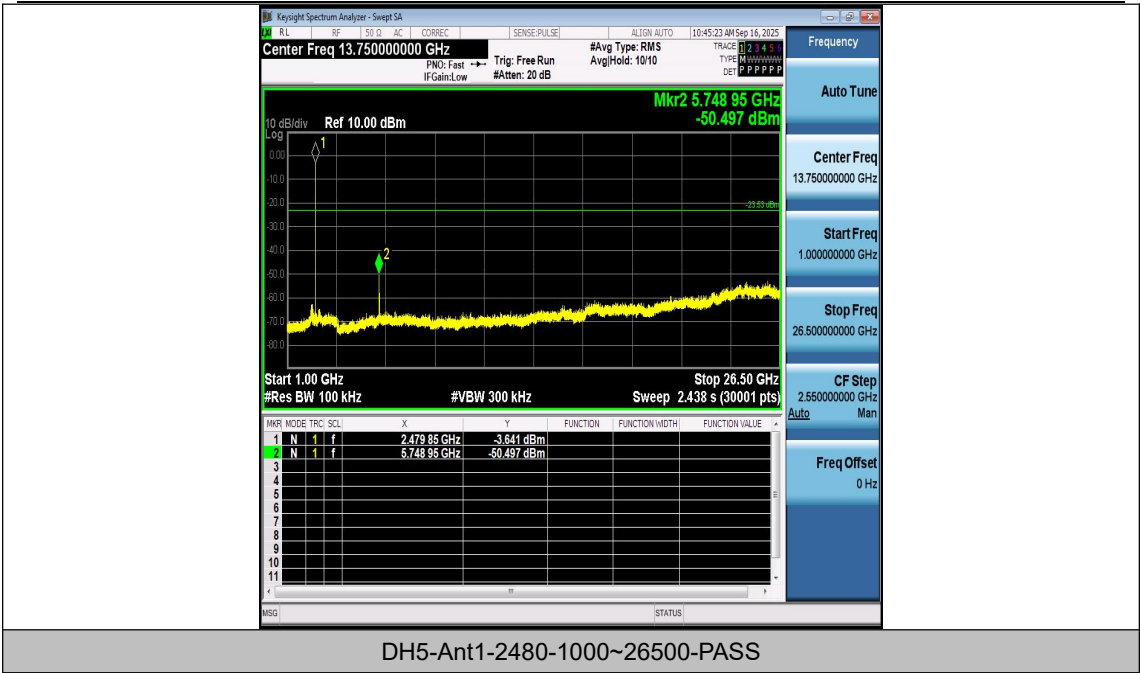
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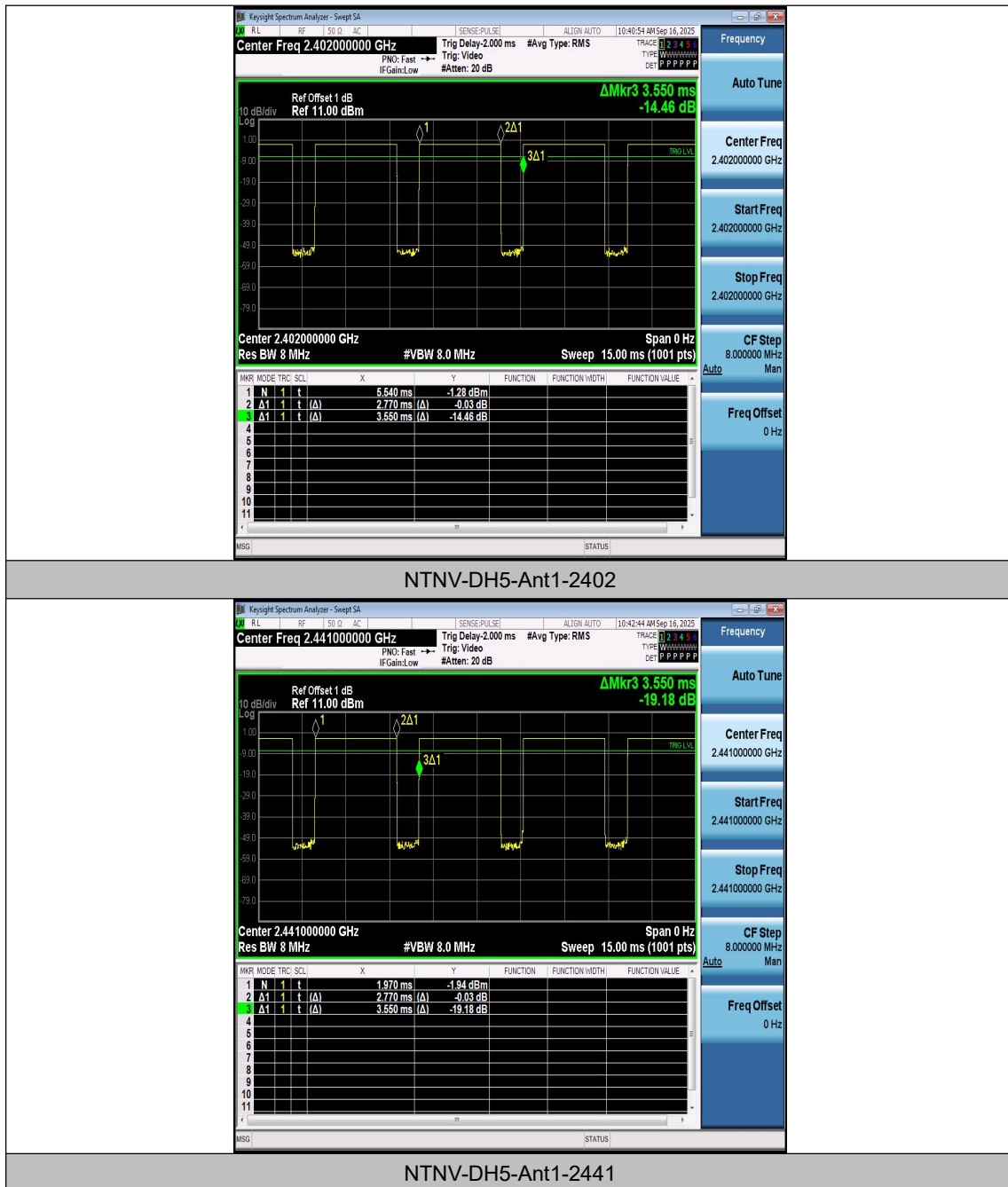
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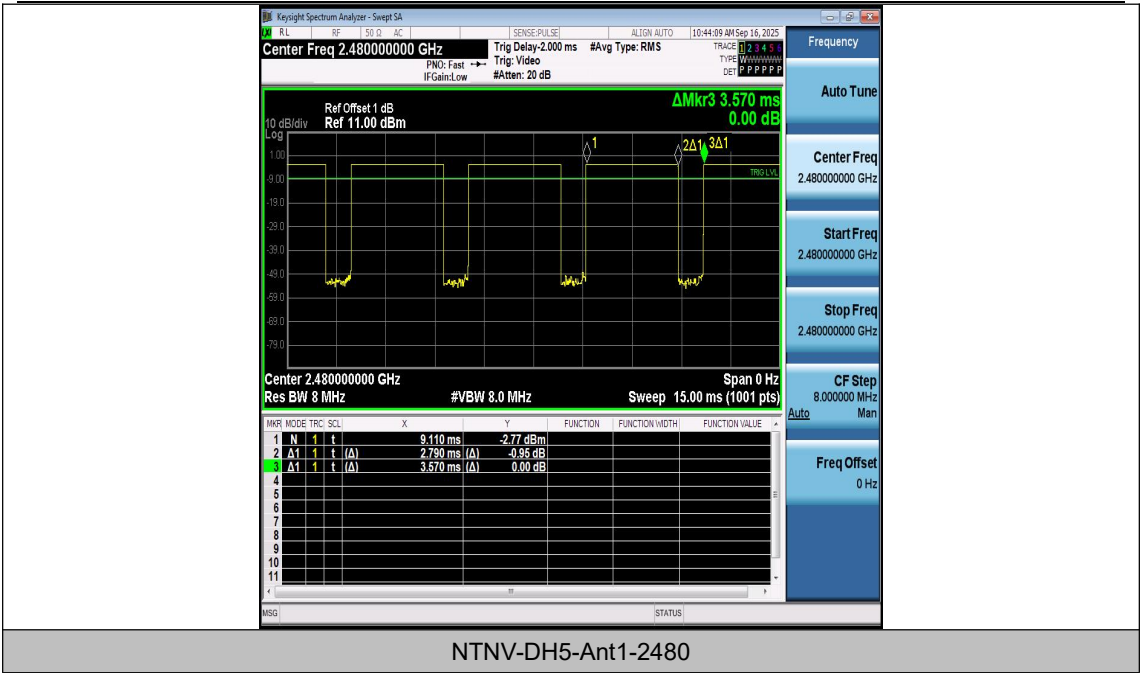
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.77	3.55	78.03	1.08
DH5	Ant1	2441	2.77	3.55	78.03	1.08
DH5	Ant1	2480	2.79	3.57	78.15	1.07

Test Graphs





---End---