

Appendix Test Data

Report No.:	1819C50140112501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-26	Finish Test Date:	2025-12-31
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	19.7°C	Relative Humidity:	62%
Pressure:	101kPa		

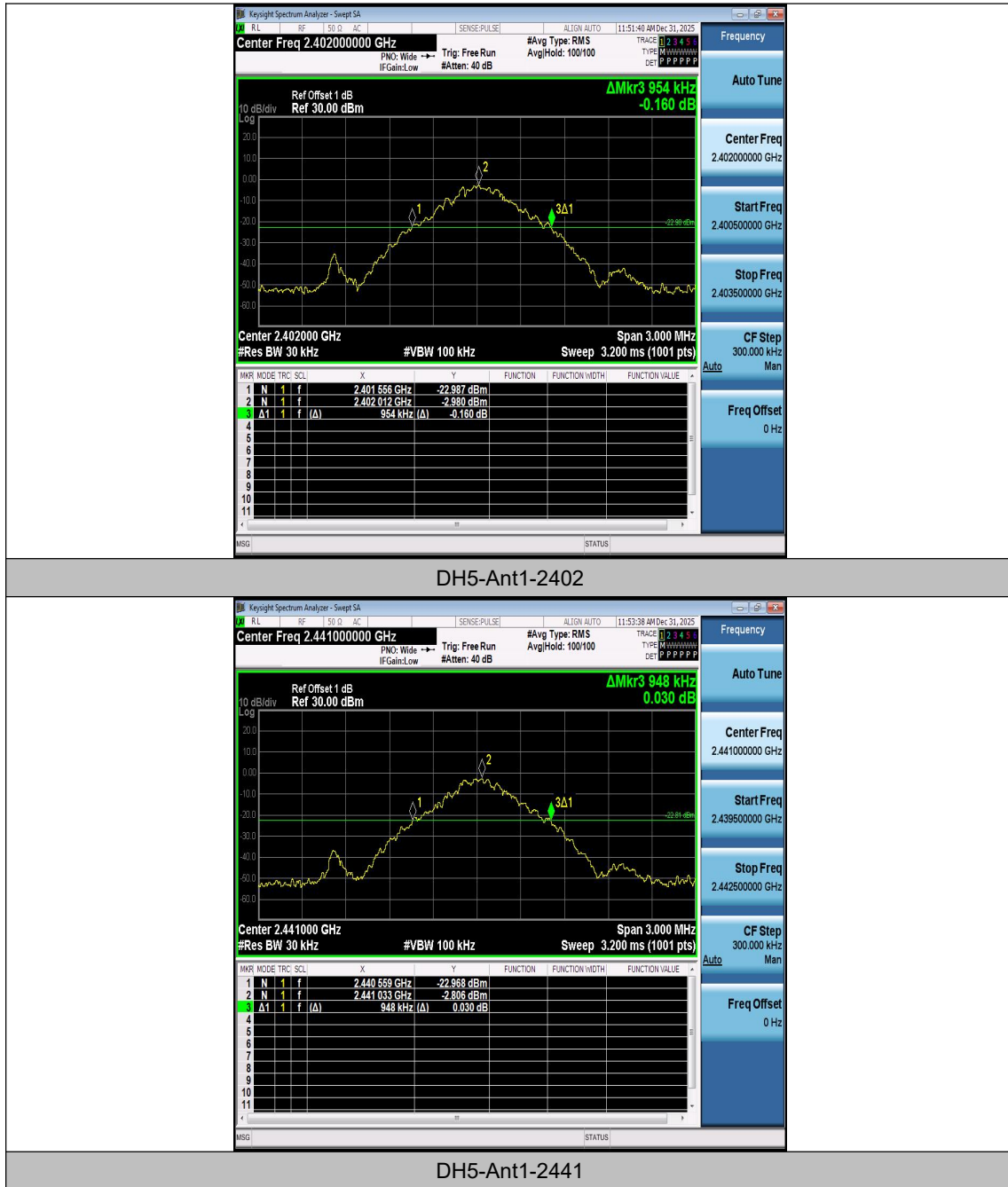


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.556	2402.510	---	---
DH5	Ant1	2441	0.948	2440.559	2441.507	---	---
DH5	Ant1	2480	0.942	2479.559	2480.501	---	---

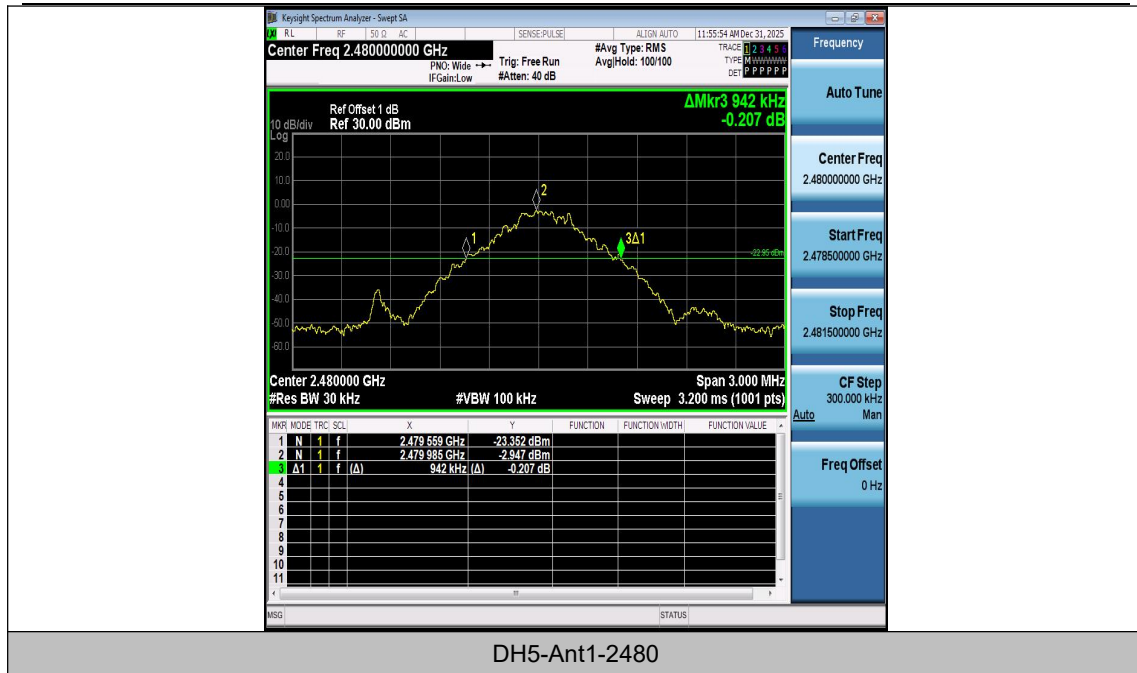
Test Graphs



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DH5-Ant1-2480

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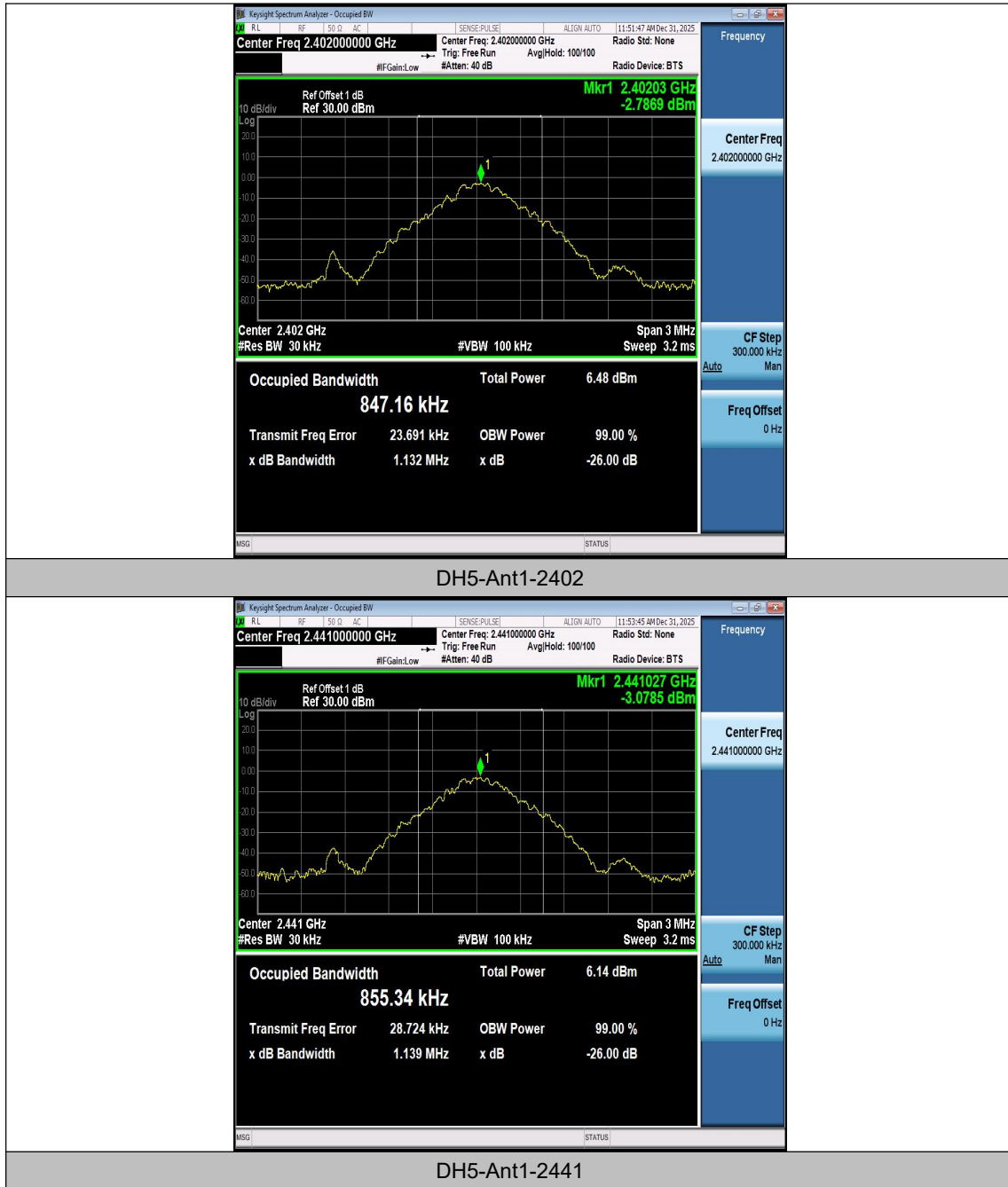
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84716	2401.6001	2402.4473	---	---
DH5	Ant1	2441	0.85534	2440.6011	2441.4564	---	---
DH5	Ant1	2480	0.84858	2479.5996	2480.4482	---	---

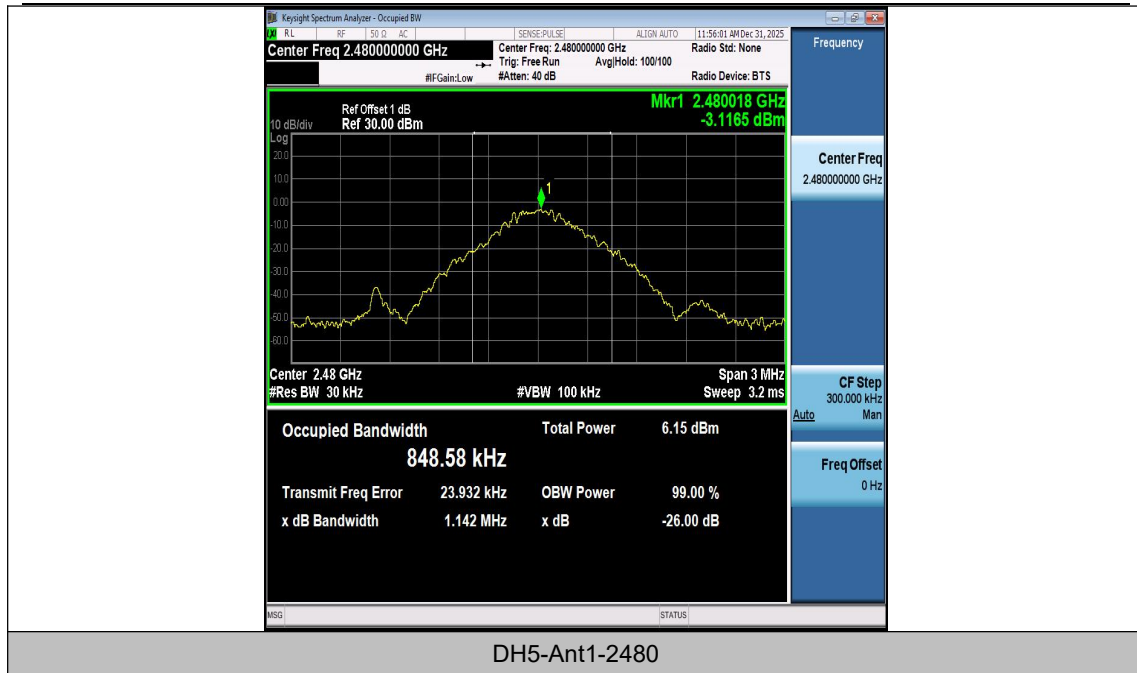
Test Graphs



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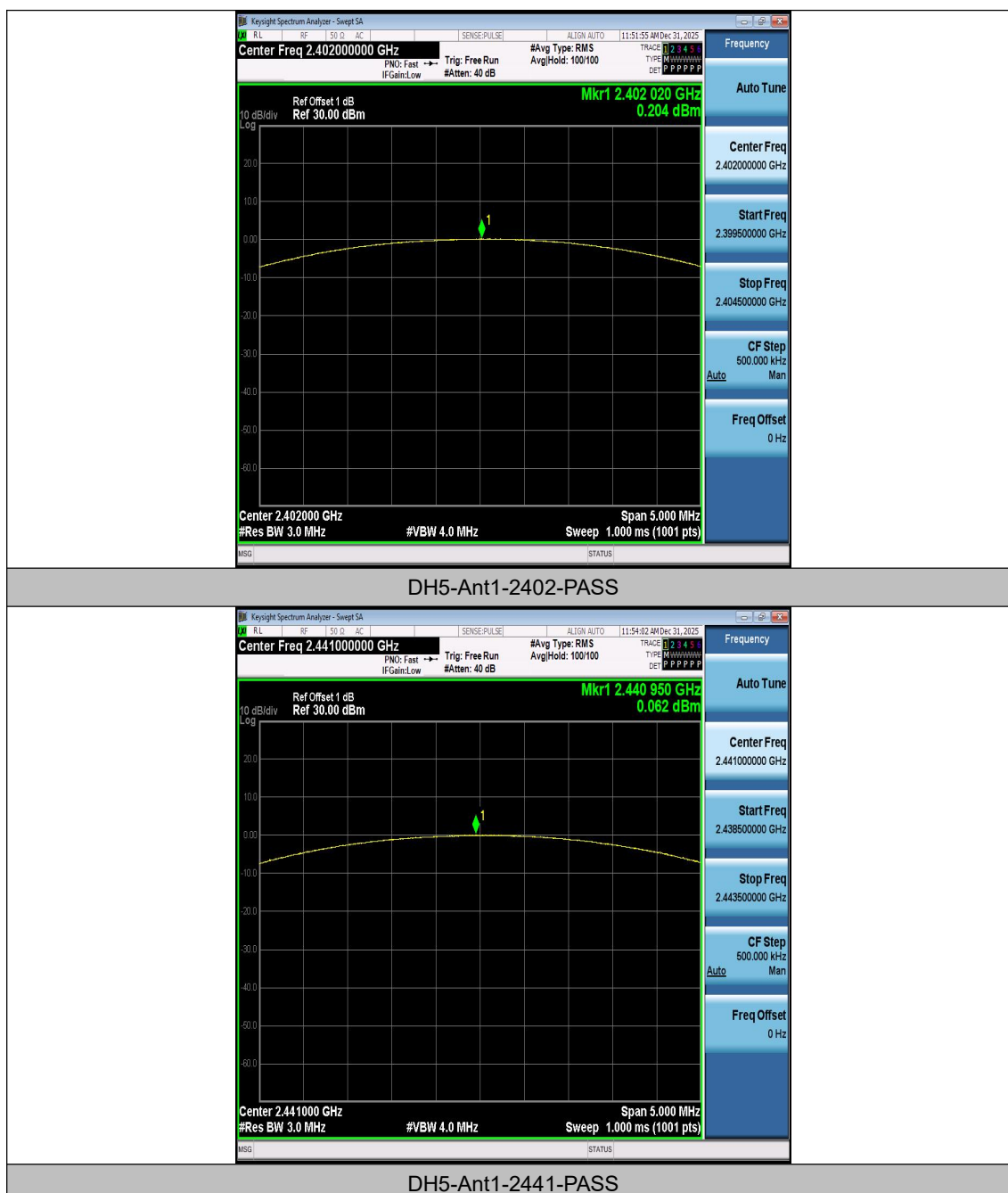
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.20	≤20.97	PASS
DH5	Ant1	2441	0.06	≤20.97	PASS
DH5	Ant1	2480	0.15	≤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	≥ 0.636	PASS

Test Graphs



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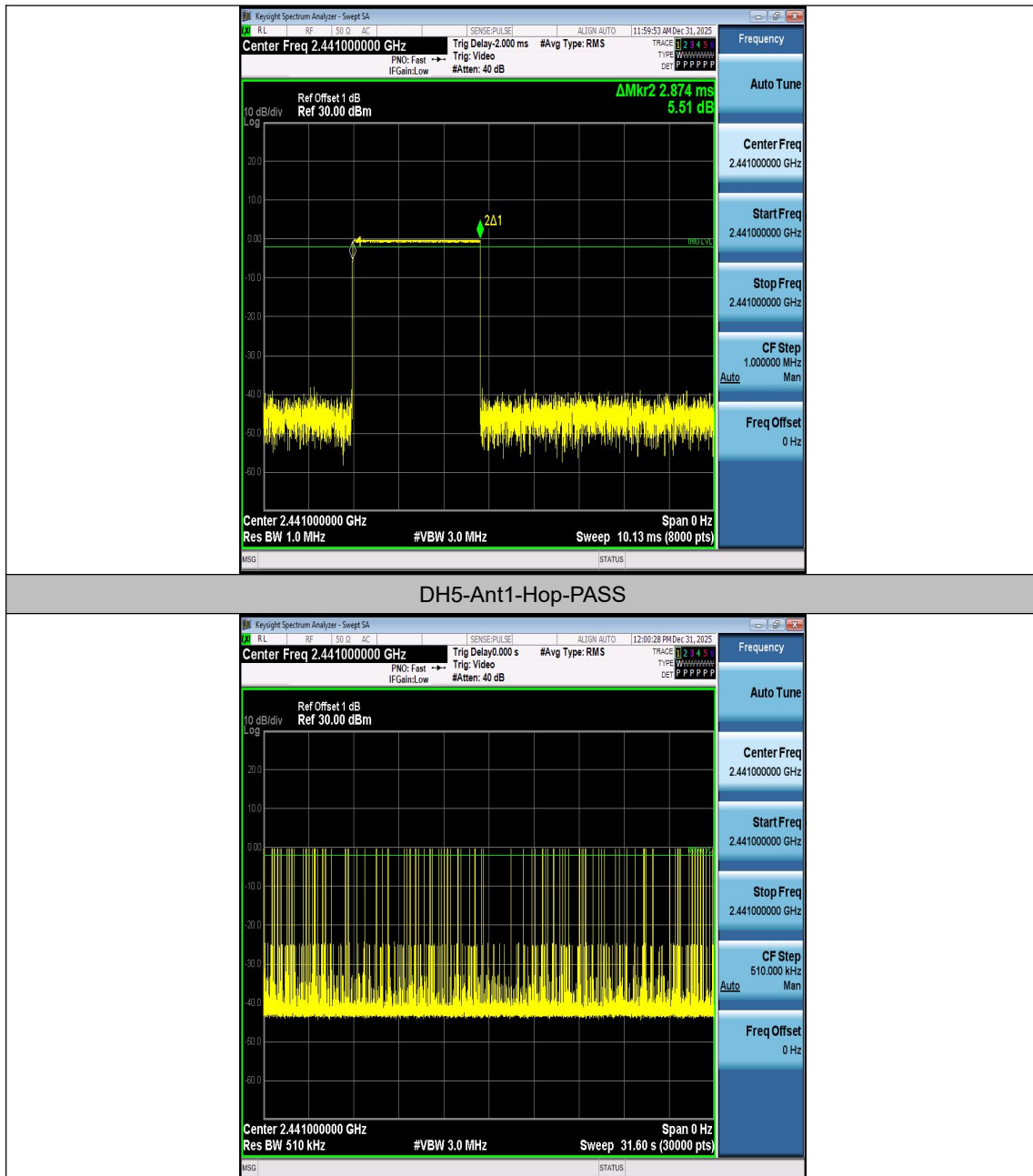
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.874	112	0.322	≤0.4	PASS

Test Graphs



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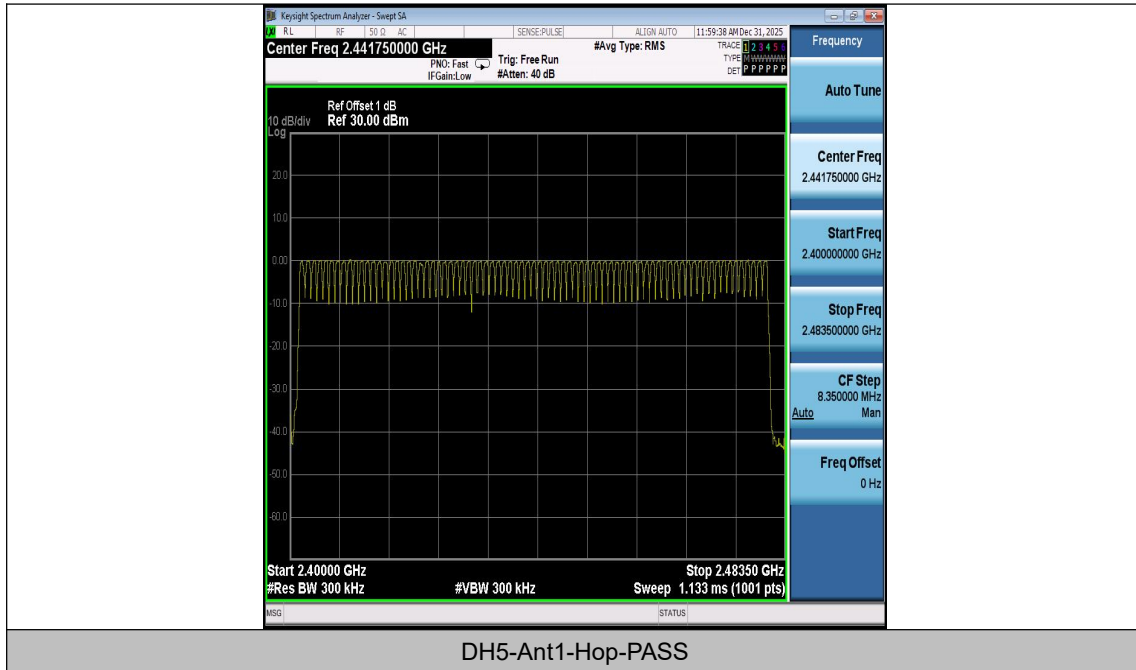
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Appendix F: Number of Hopping Channel

Test Result

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

Test Graphs



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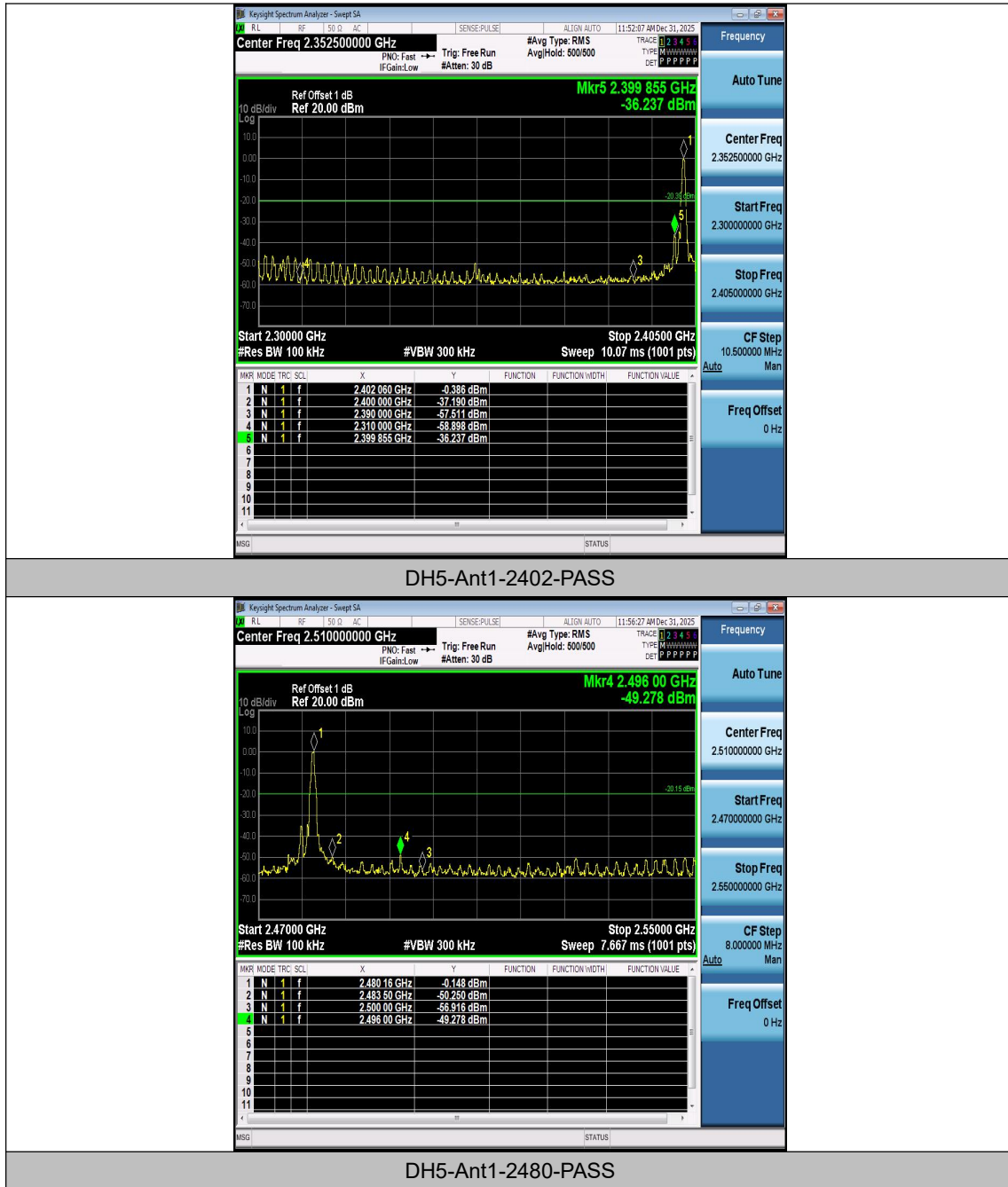
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.39	-36.24	≤ -20.39	PASS
DH5	Ant1	High	2480	-0.15	-49.28	≤ -20.15	PASS
DH5	Ant1	Low	Hop_2402	-0.32	-38.21	≤ -20.32	PASS
DH5	Ant1	High	Hop_2480	-0.10	-41.44	≤ -20.1	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.

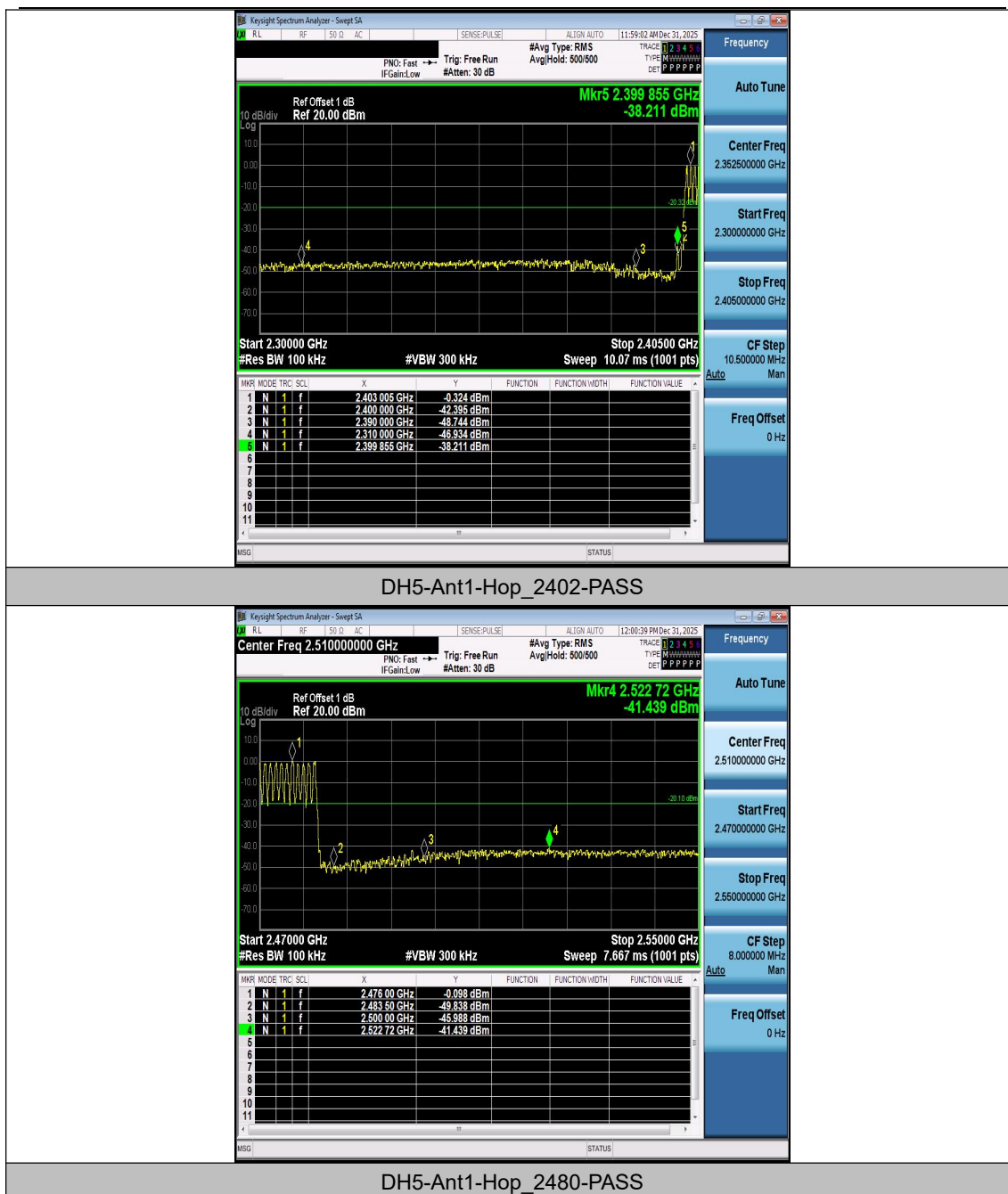
Test Graphs



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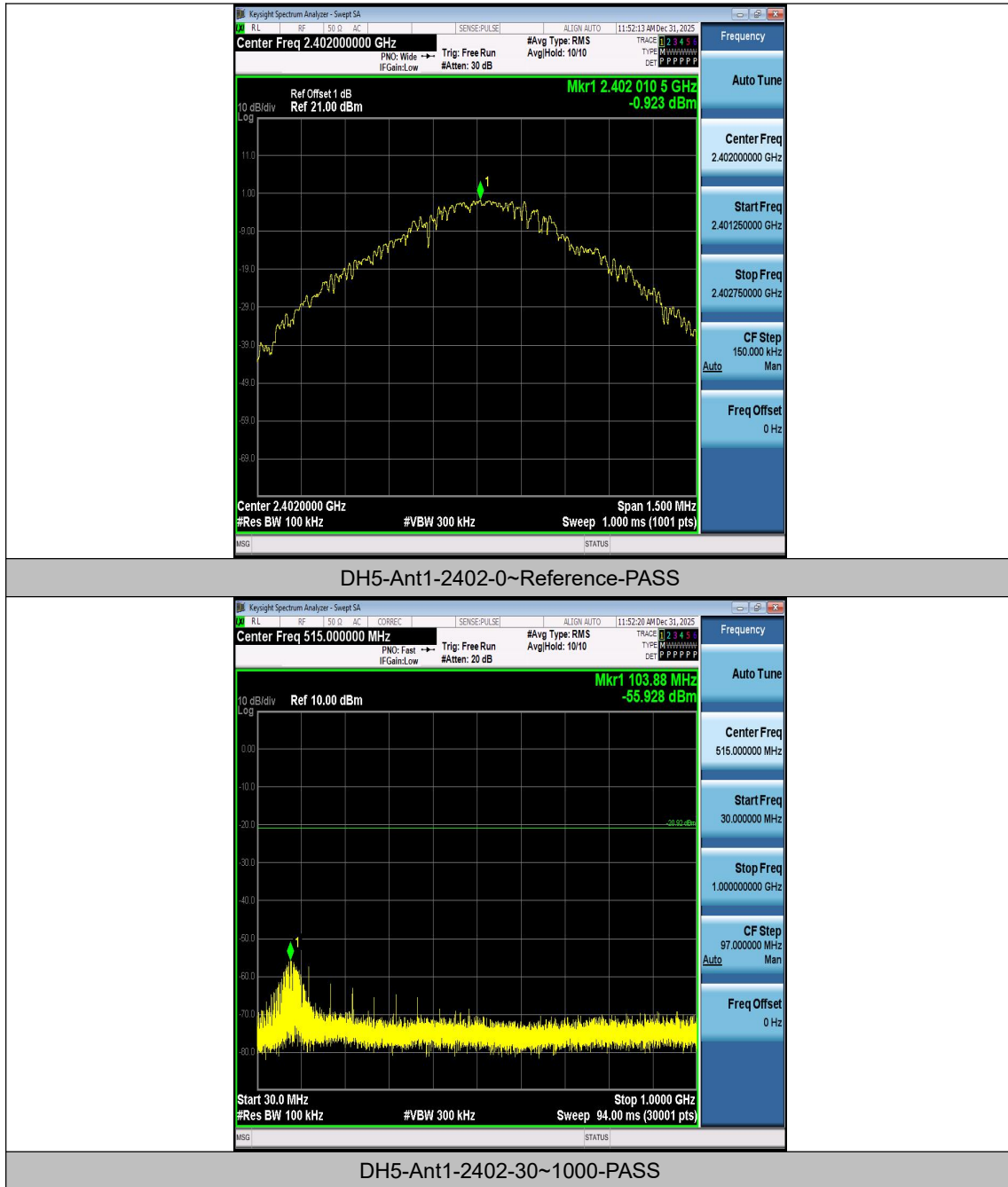
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.92	-0.92	---	PASS
DH5	Ant1	2402	30~1000	-0.92	-55.93	≤-20.92	PASS
DH5	Ant1	2402	1000~26500	-0.92	-35.98	≤-20.92	PASS
DH5	Ant1	2441	0~Reference	-1.10	-1.10	---	PASS
DH5	Ant1	2441	30~1000	-1.10	-55.55	≤-21.1	PASS
DH5	Ant1	2441	1000~26500	-1.10	-36.05	≤-21.1	PASS
DH5	Ant1	2480	0~Reference	-1.11	-1.11	---	PASS
DH5	Ant1	2480	30~1000	-1.11	-54.87	≤-21.11	PASS
DH5	Ant1	2480	1000~26500	-1.11	-36.5	≤-21.11	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.

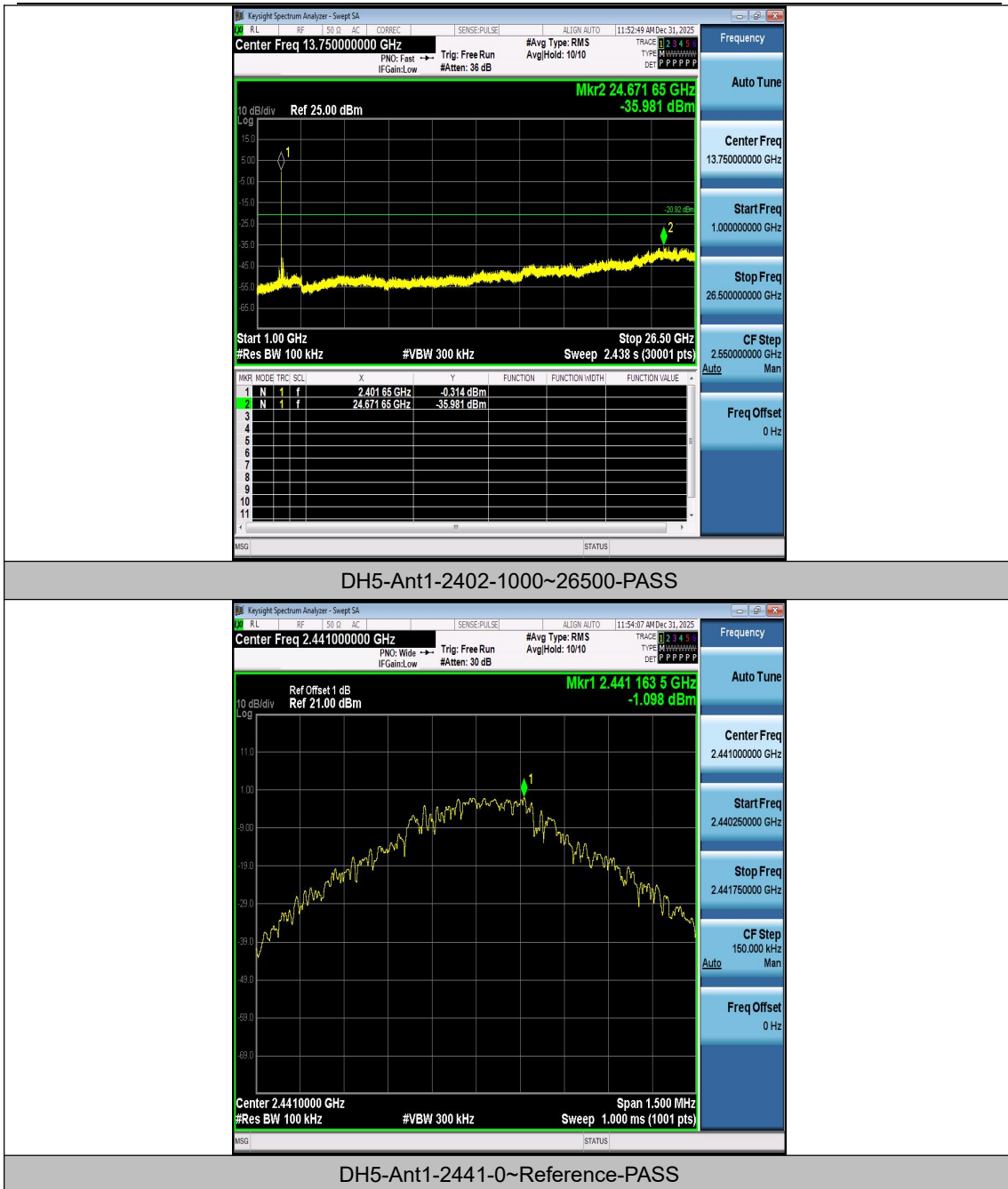
Test Graphs



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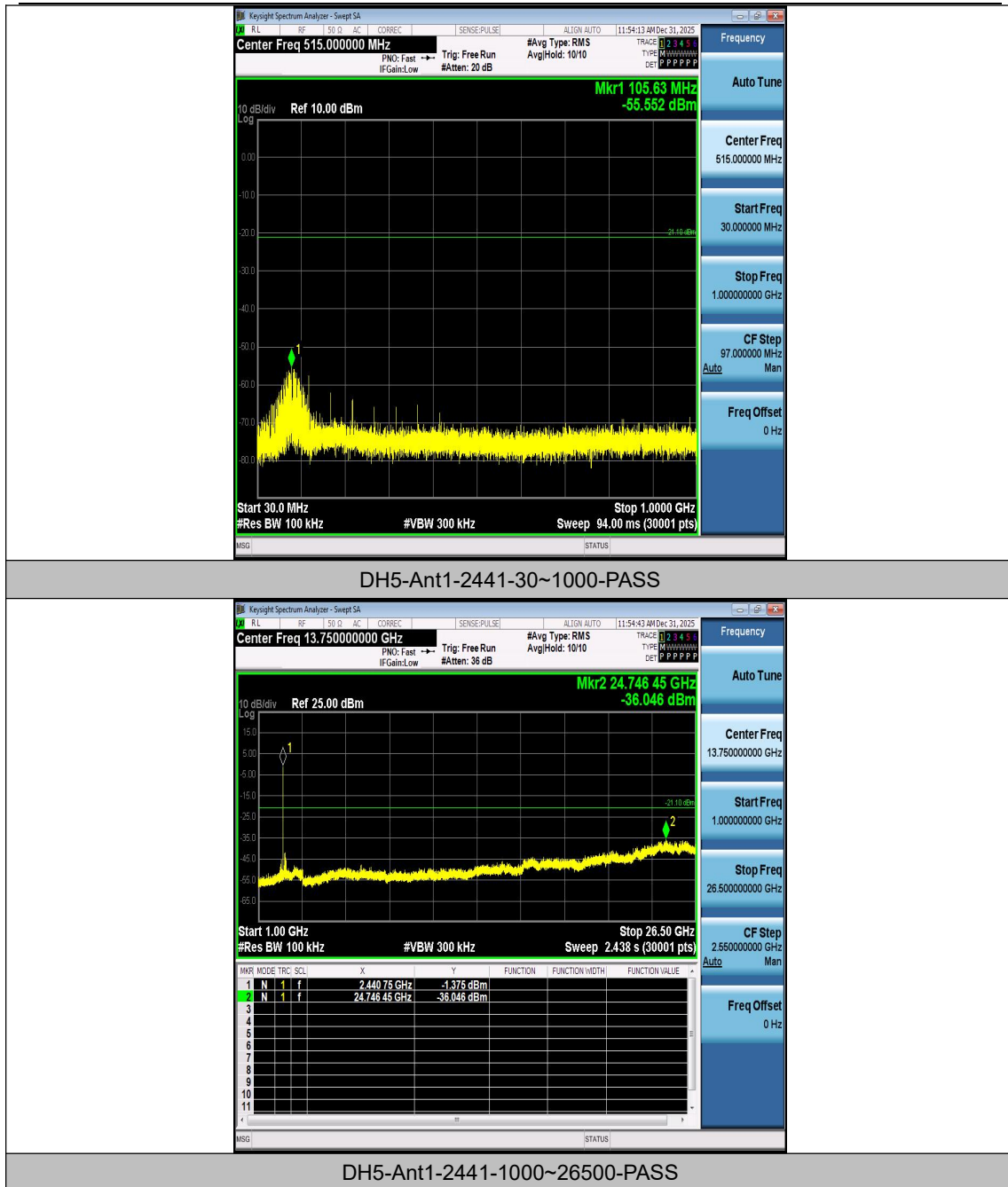
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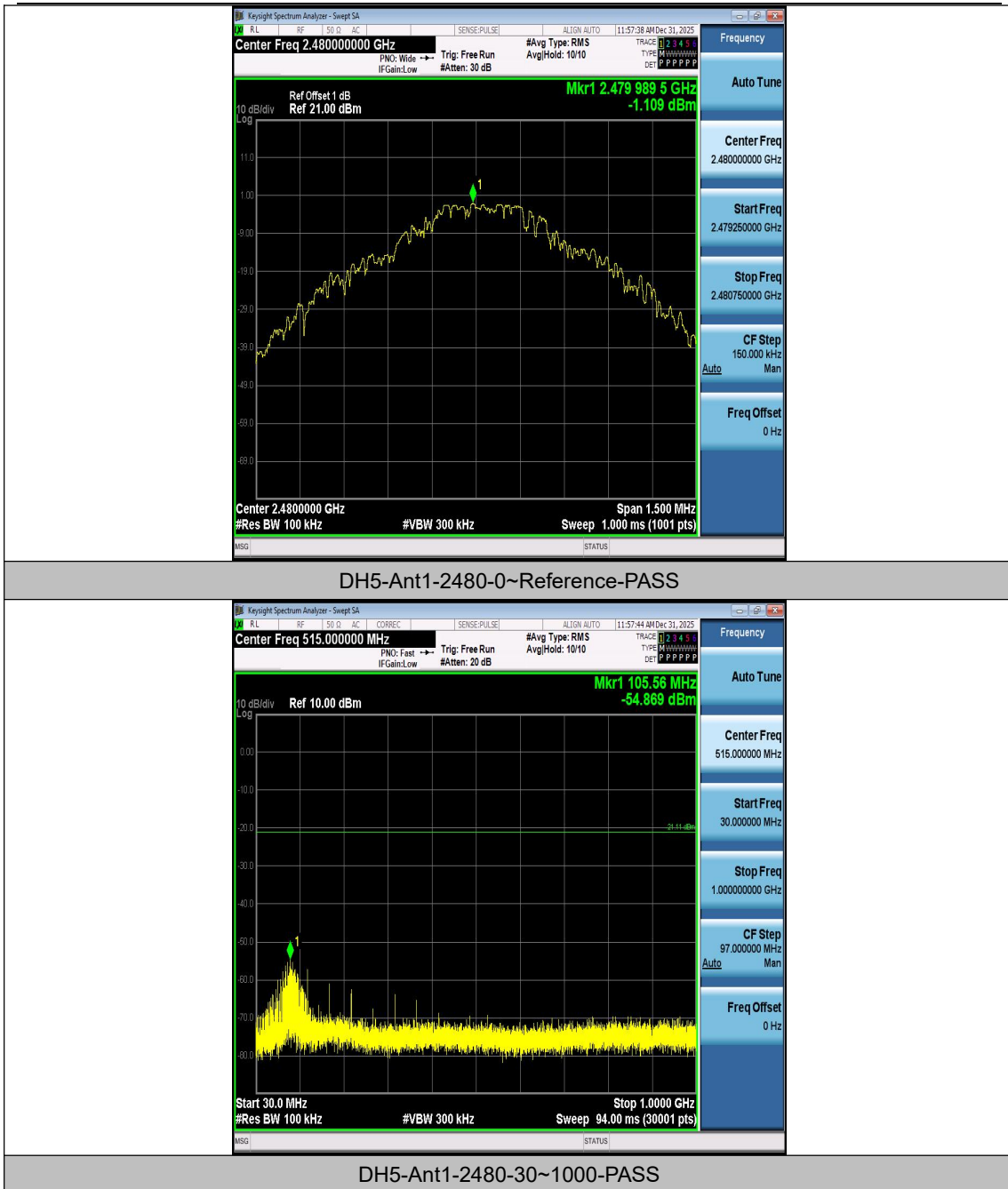
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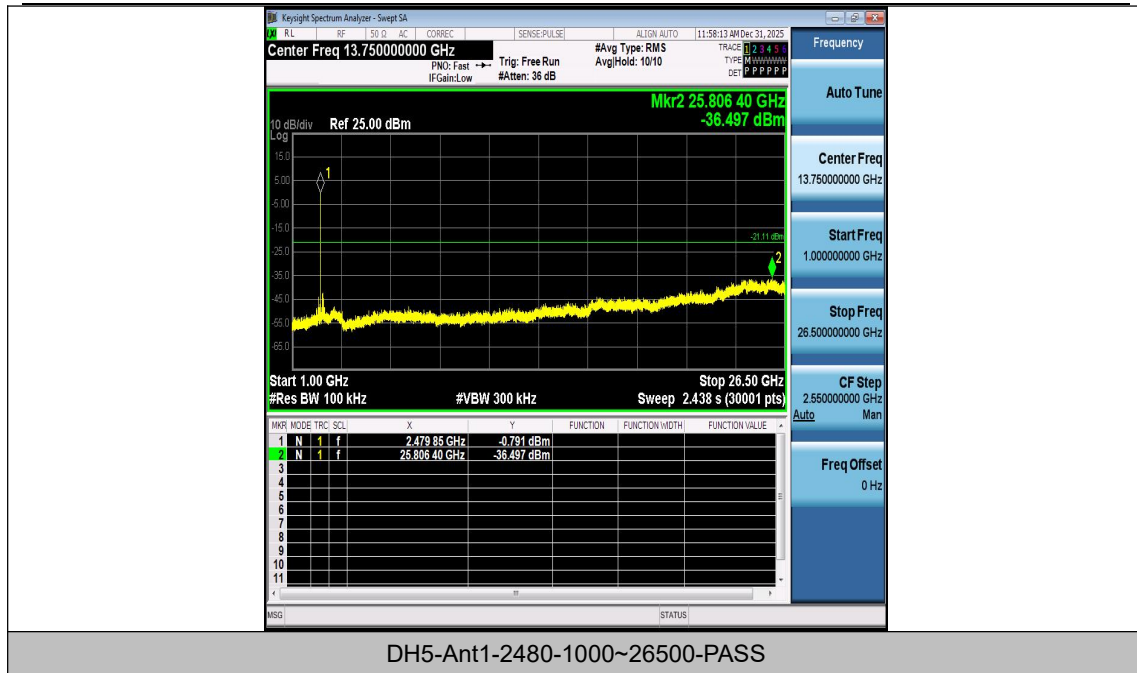
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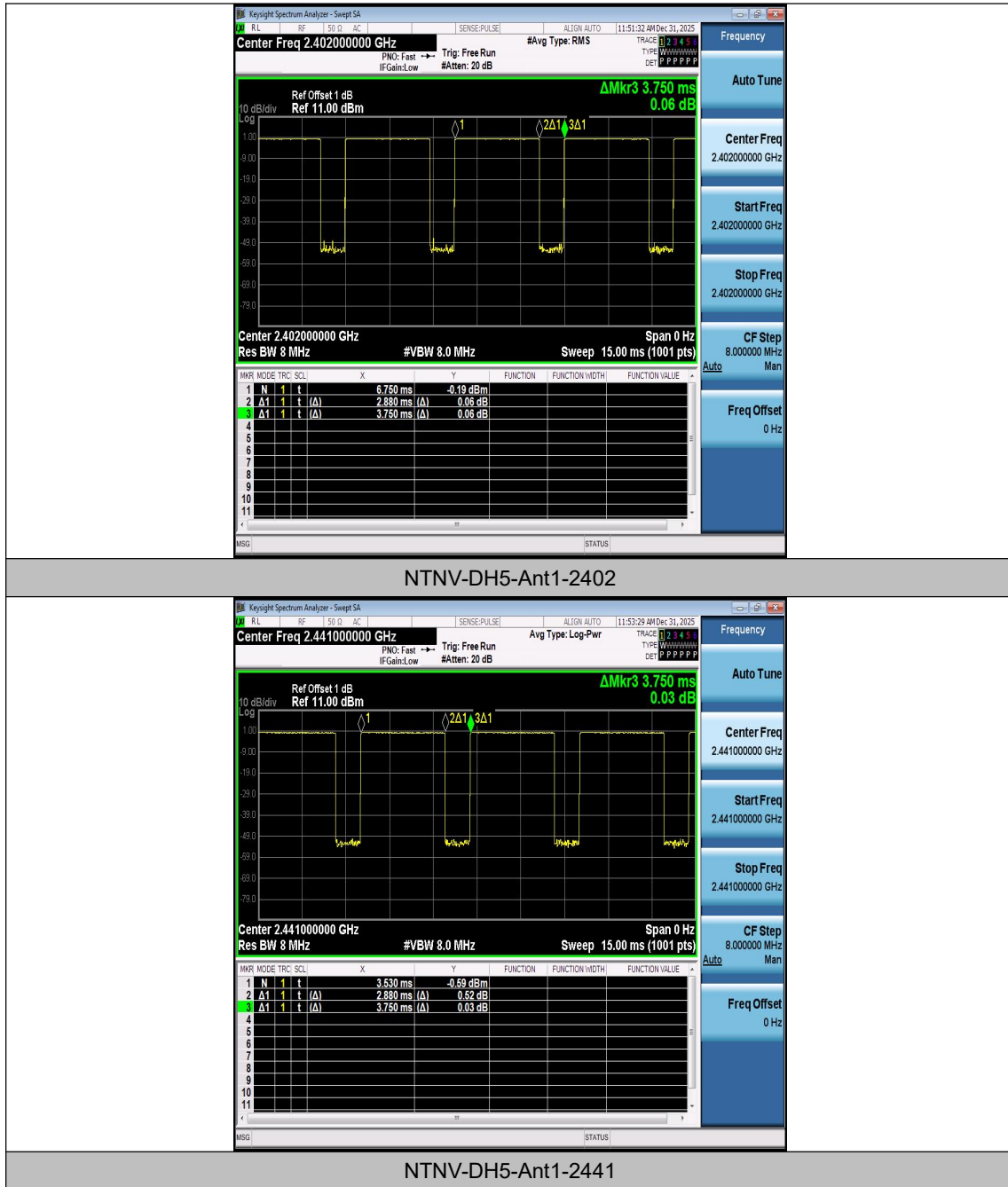
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15

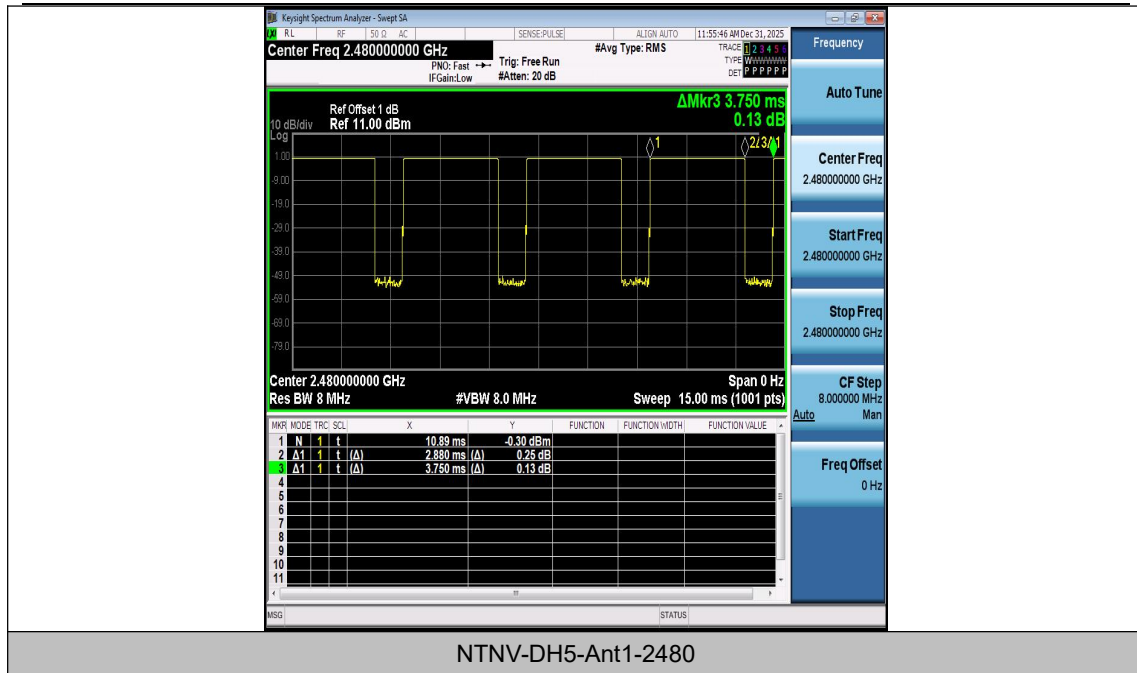
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---End---