

Appendix Test Data

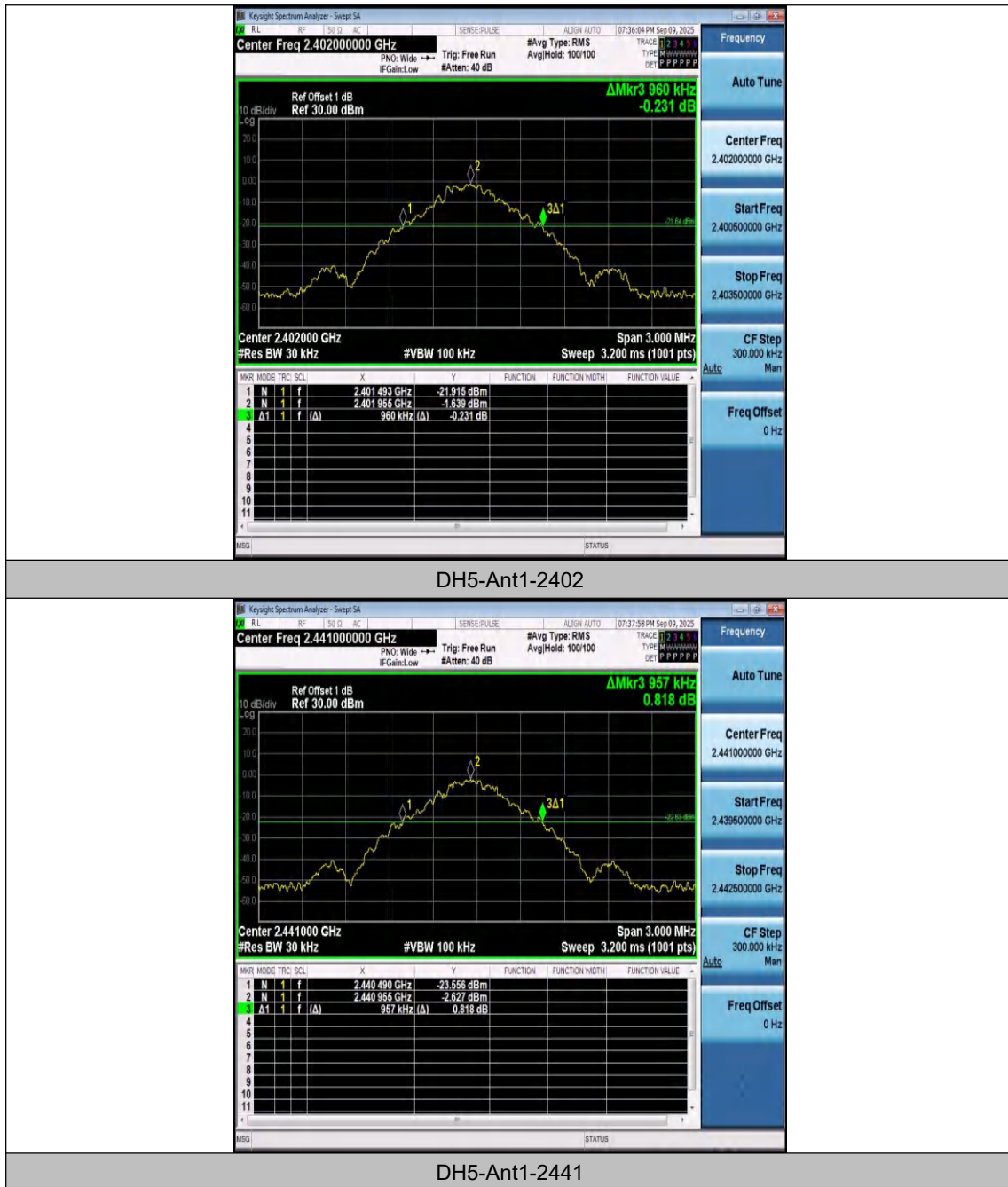
Report No.:	1812C50464712501	Test Sample No.:	1-2-2
Start Test Date:	2025-9-9	Finish Test Date:	2025-9-10
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	58%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.493	2402.453	---	---
DH5	Ant1	2441	0.957	2440.490	2441.447	---	---
DH5	Ant1	2480	0.951	2479.490	2480.441	---	---
2DH5	Ant1	2402	1.320	2401.295	2402.615	---	---
2DH5	Ant1	2441	1.272	2440.328	2441.600	---	---
2DH5	Ant1	2480	1.287	2479.322	2480.609	---	---
3DH5	Ant1	2402	1.302	2401.307	2402.609	---	---
3DH5	Ant1	2441	1.311	2440.310	2441.621	---	---
3DH5	Ant1	2480	1.350	2479.274	2480.624	---	---

Test Graphs



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DH5-Ant1-2480



2DH5-Ant1-2402

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2DH5-Ant1-2441



2DH5-Ant1-2480

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3DH5-Ant1-2402



3DH5-Ant1-2441



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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	0.86214	2401.5204	2402.3825	---	---
DH5	Ant1	2441	0.85604	2440.5224	2441.3784	---	---
DH5	Ant1	2480	0.86695	2479.5192	2480.3862	---	---
2DH5	Ant1	2402	1.1786	2401.3653	2402.5439	---	---
2DH5	Ant1	2441	1.1708	2440.3673	2441.5381	---	---
2DH5	Ant1	2480	1.1798	2479.3614	2480.5412	---	---
3DH5	Ant1	2402	1.1869	2401.3645	2402.5514	---	---
3DH5	Ant1	2441	1.1781	2440.3707	2441.5488	---	---
3DH5	Ant1	2480	1.1887	2479.3617	2480.5504	---	---

Test Graphs



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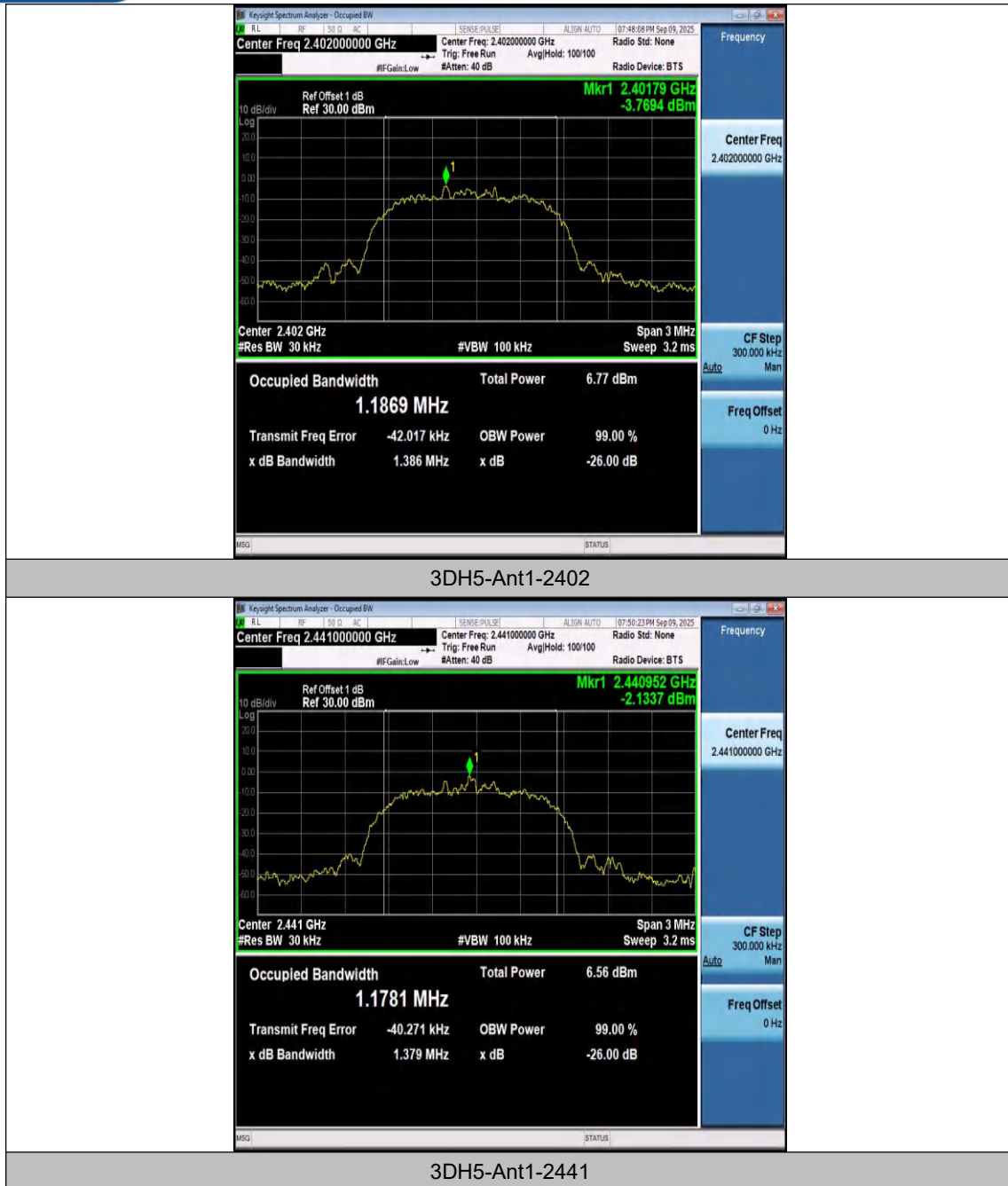
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2DH5-Ant1-2441



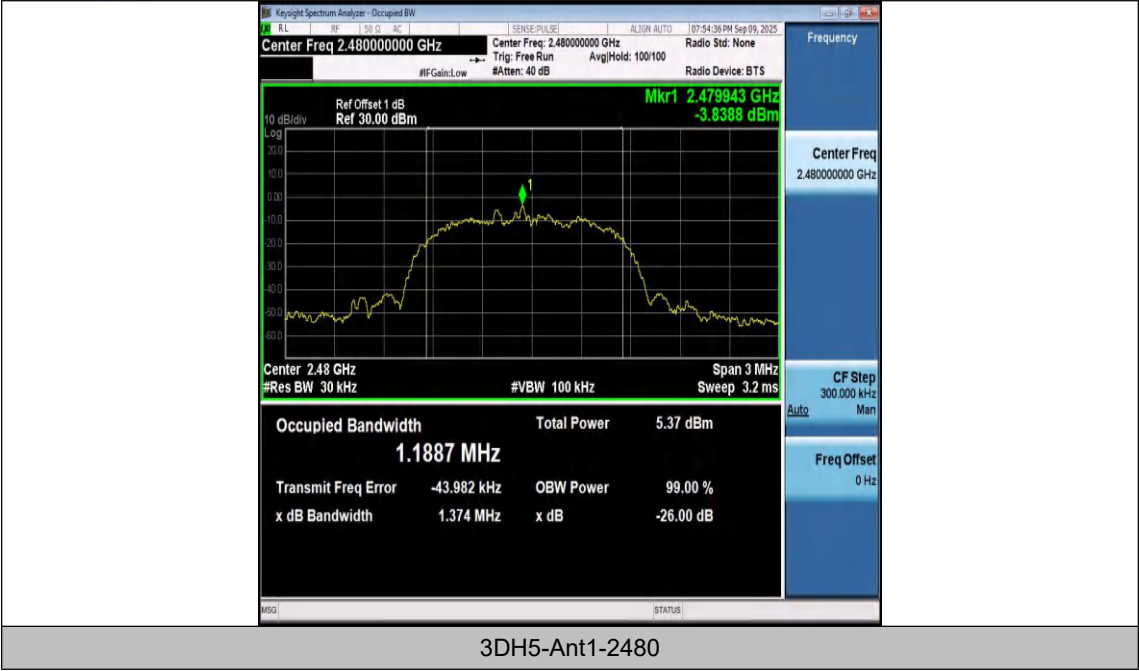
2DH5-Ant1-2480



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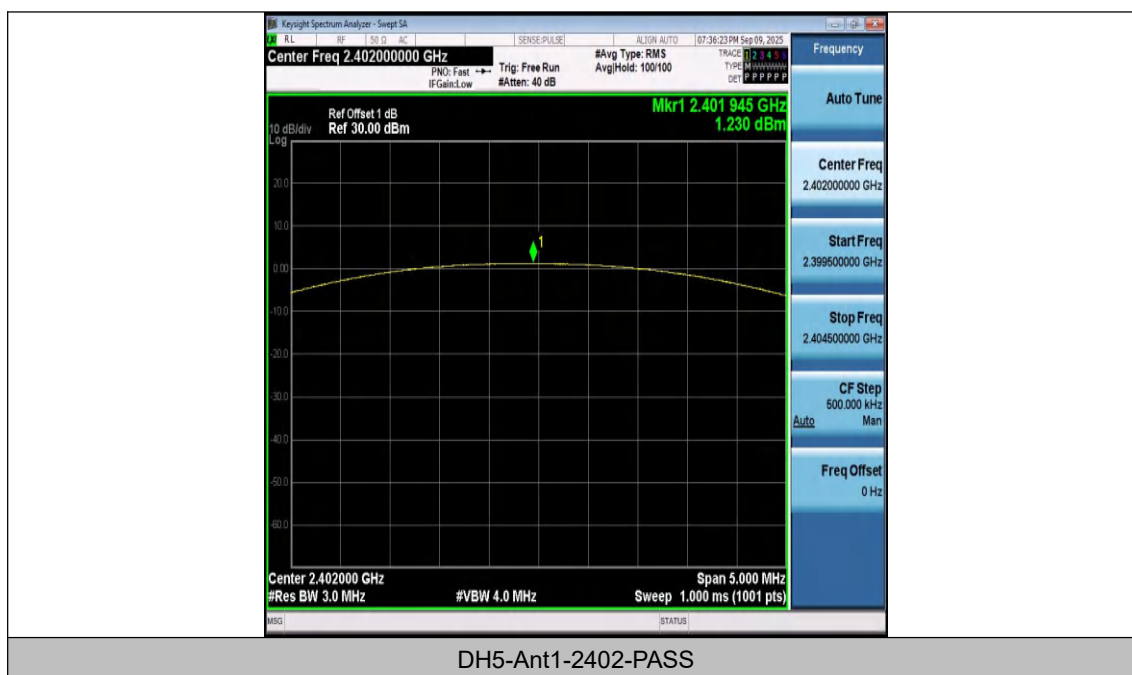
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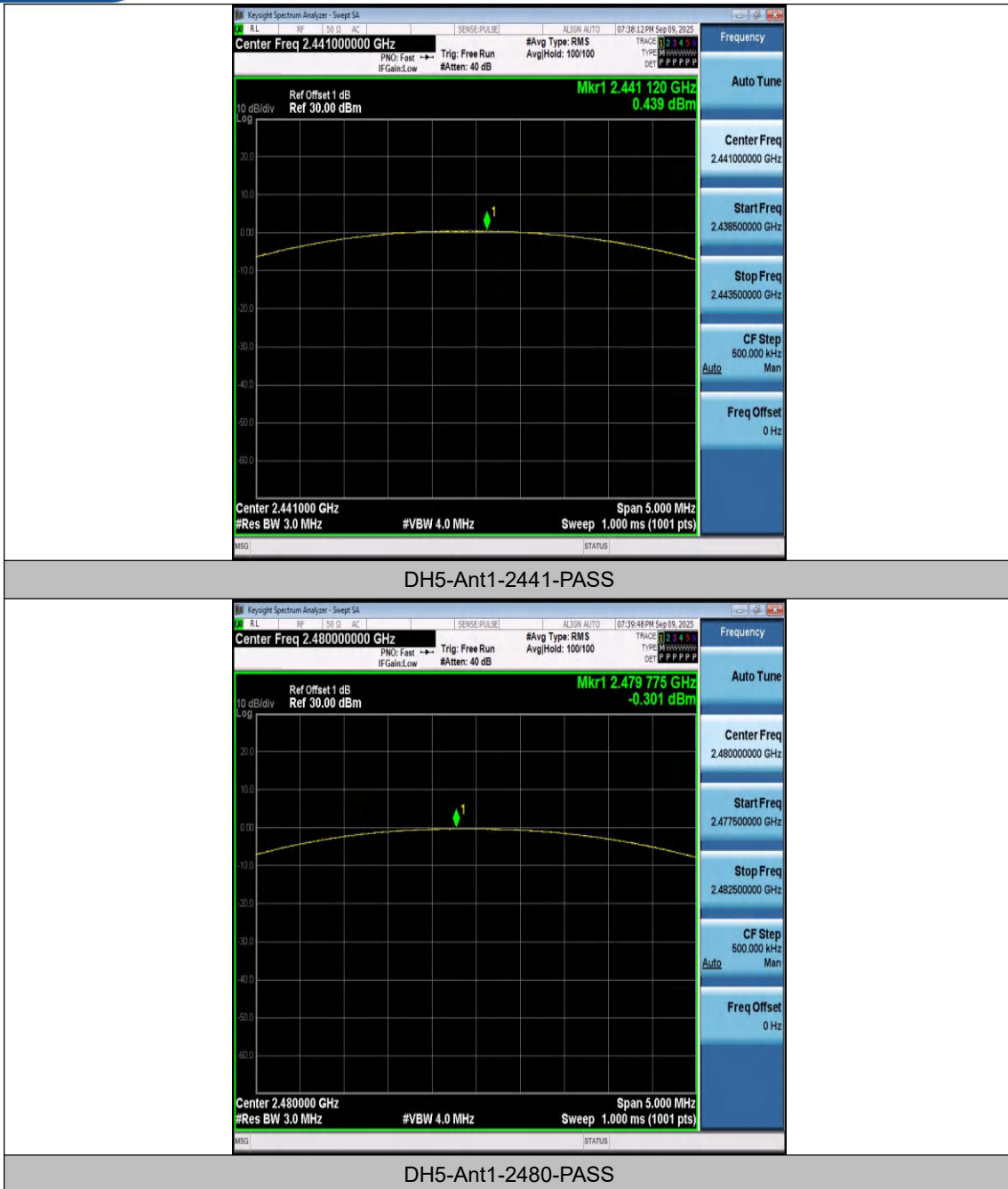
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.23	≤20.97	PASS
DH5	Ant1	2441	0.44	≤20.97	PASS
DH5	Ant1	2480	-0.30	≤20.97	PASS
2DH5	Ant1	2402	1.85	≤20.97	PASS
2DH5	Ant1	2441	1.20	≤20.97	PASS
2DH5	Ant1	2480	0.52	≤20.97	PASS
3DH5	Ant1	2402	2.37	≤20.97	PASS
3DH5	Ant1	2441	1.67	≤20.97	PASS
3DH5	Ant1	2480	1.01	≤20.97	PASS

Test Graphs

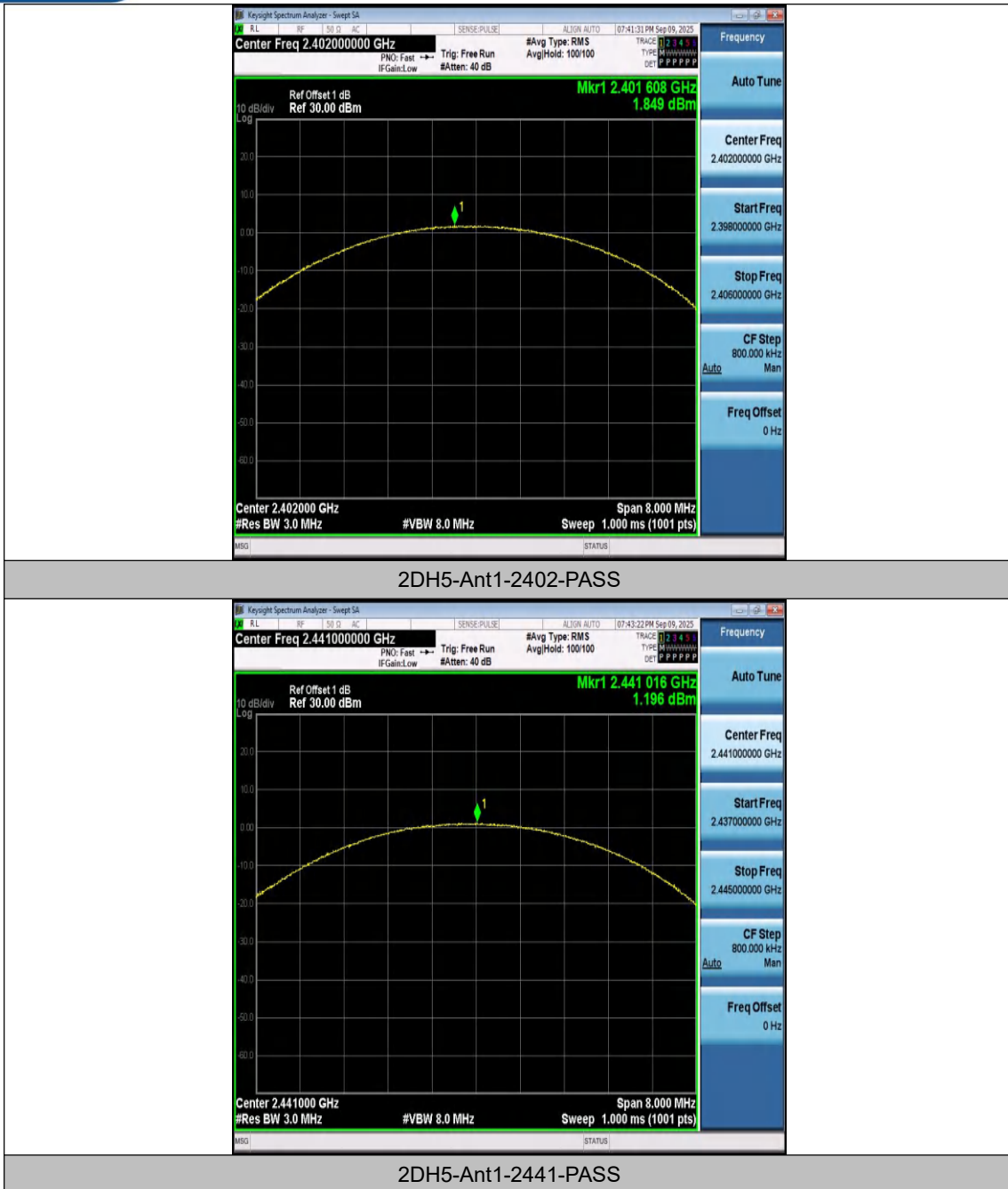




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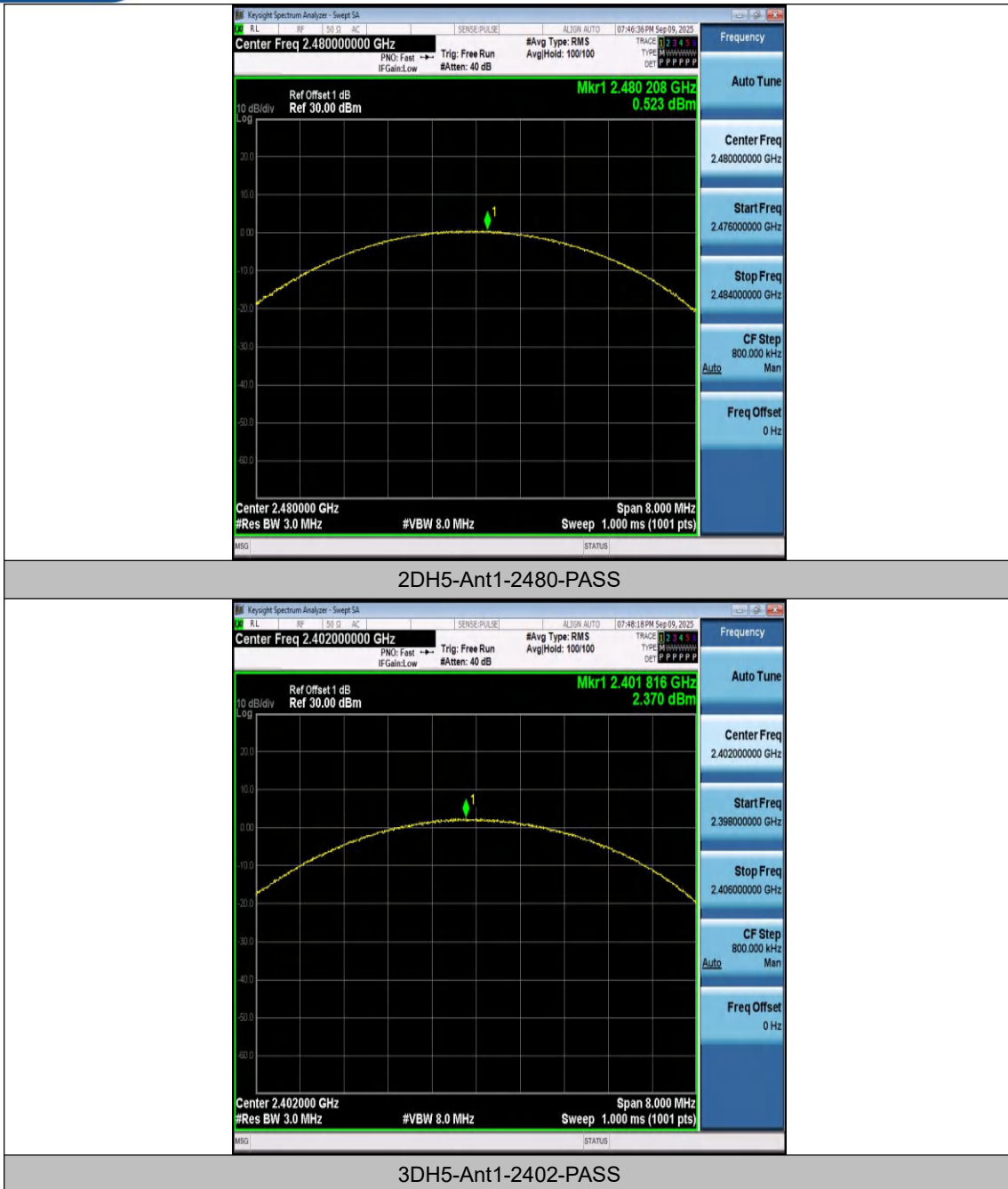
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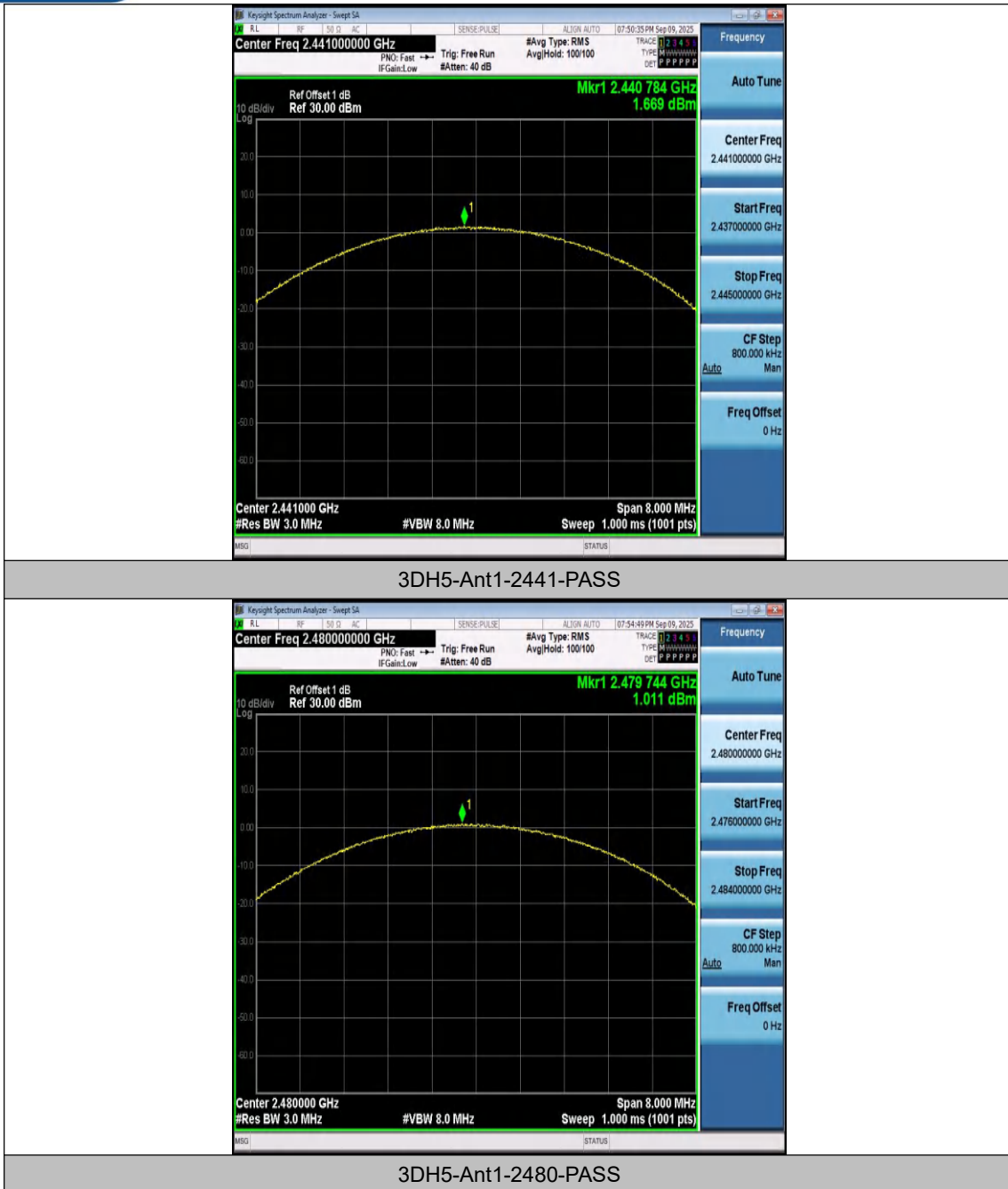
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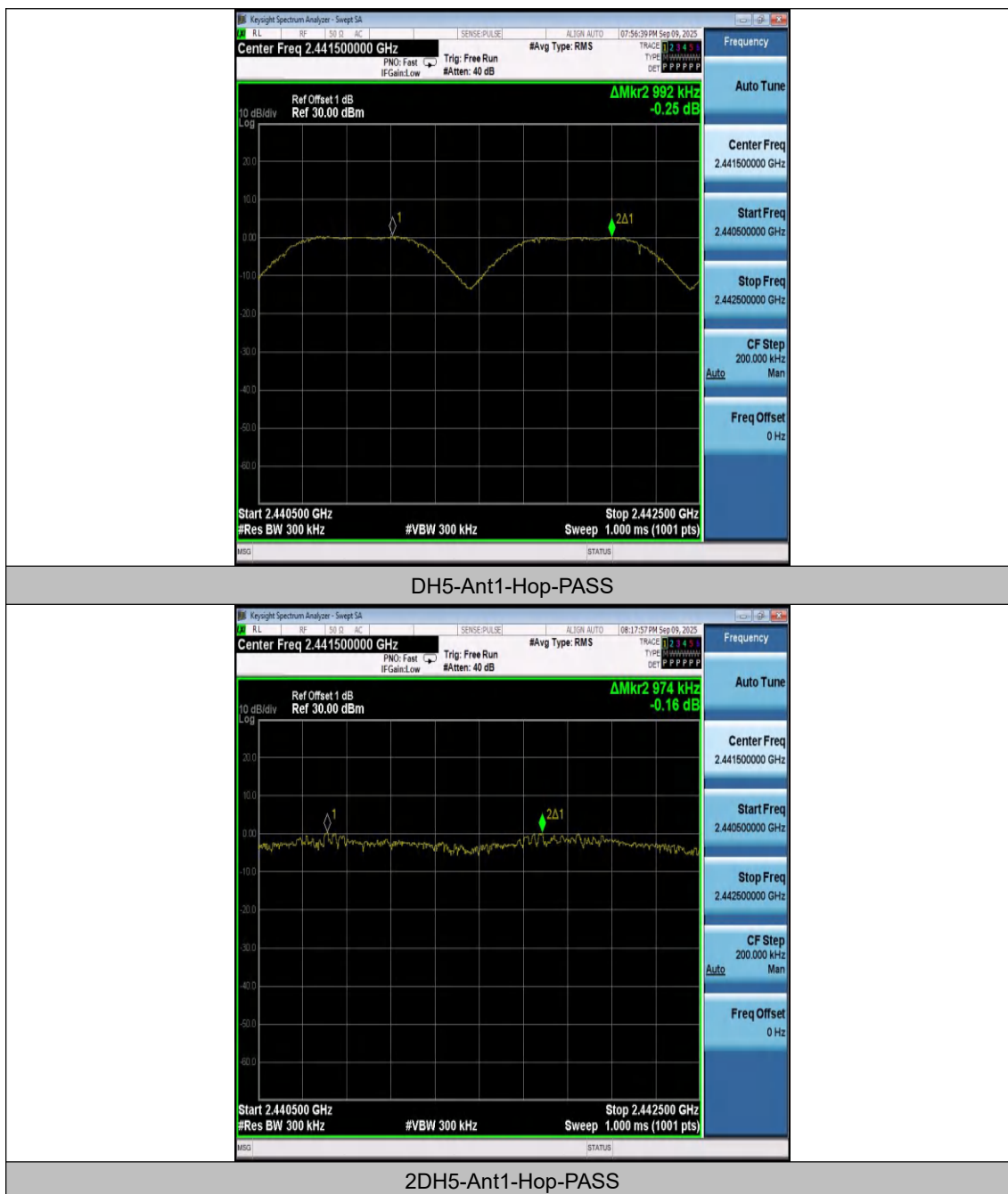
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.640	PASS
2DH5	Ant1	Hop	0.974	≥ 0.880	PASS
3DH5	Ant1	Hop	0.99	≥ 0.900	PASS

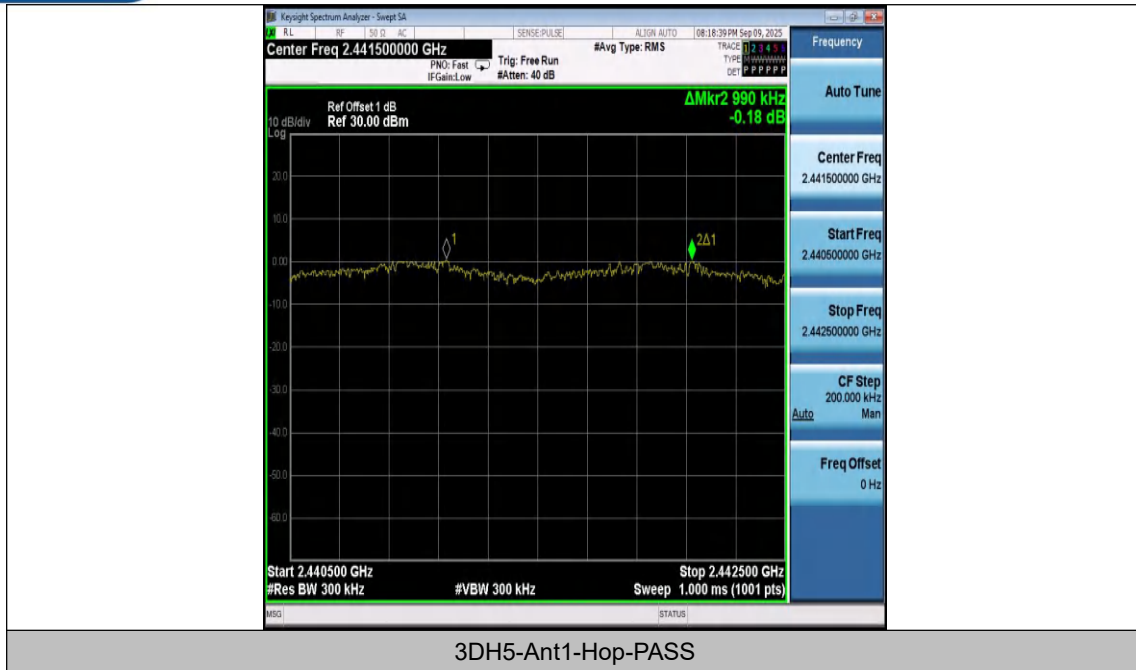
Test Graphs



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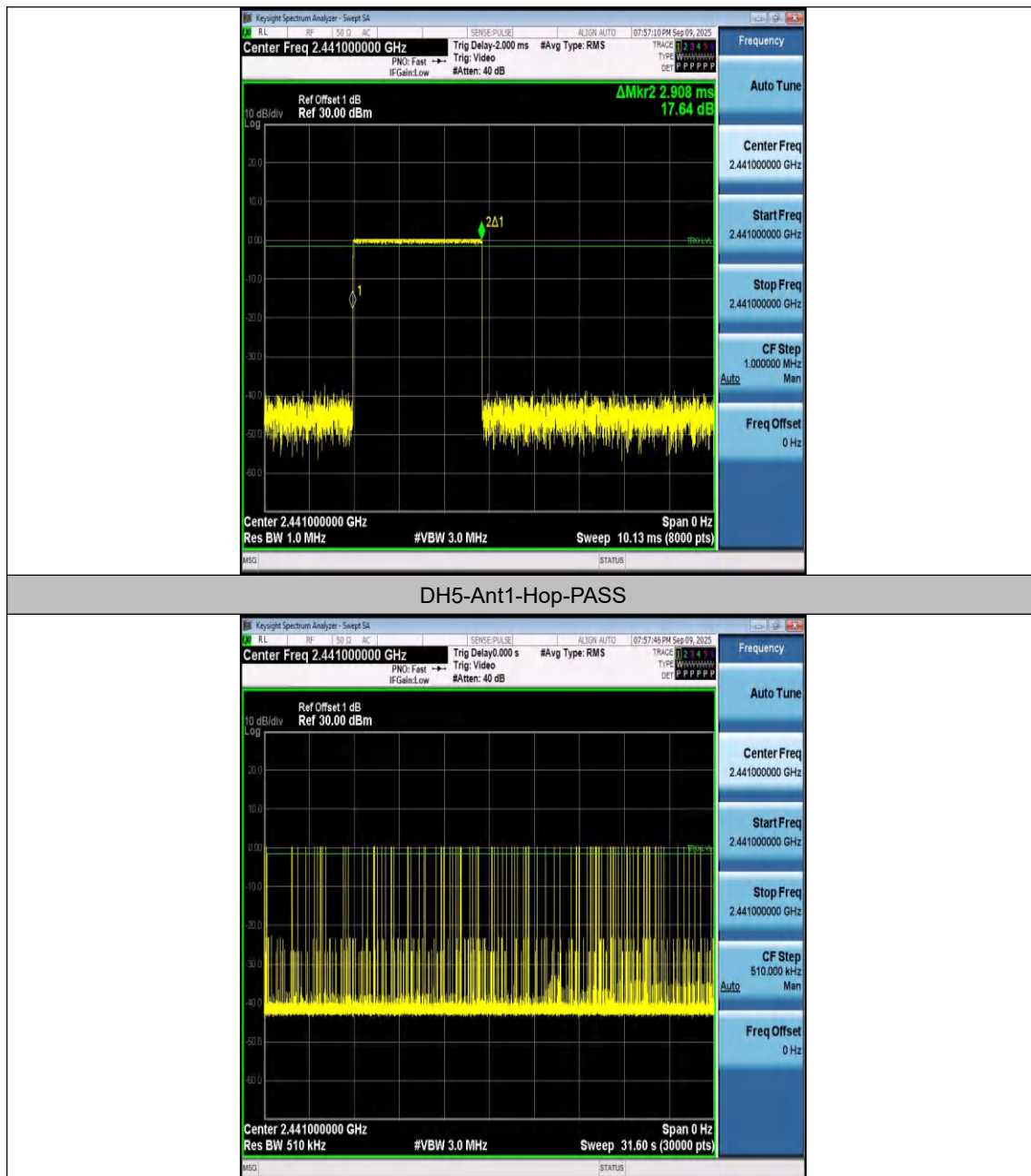
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.908	107	0.311	≤0.4	PASS
2DH5	Ant1	Hop	2.915	104	0.303	≤0.4	PASS
3DH5	Ant1	Hop	2.918	114	0.333	≤0.4	PASS

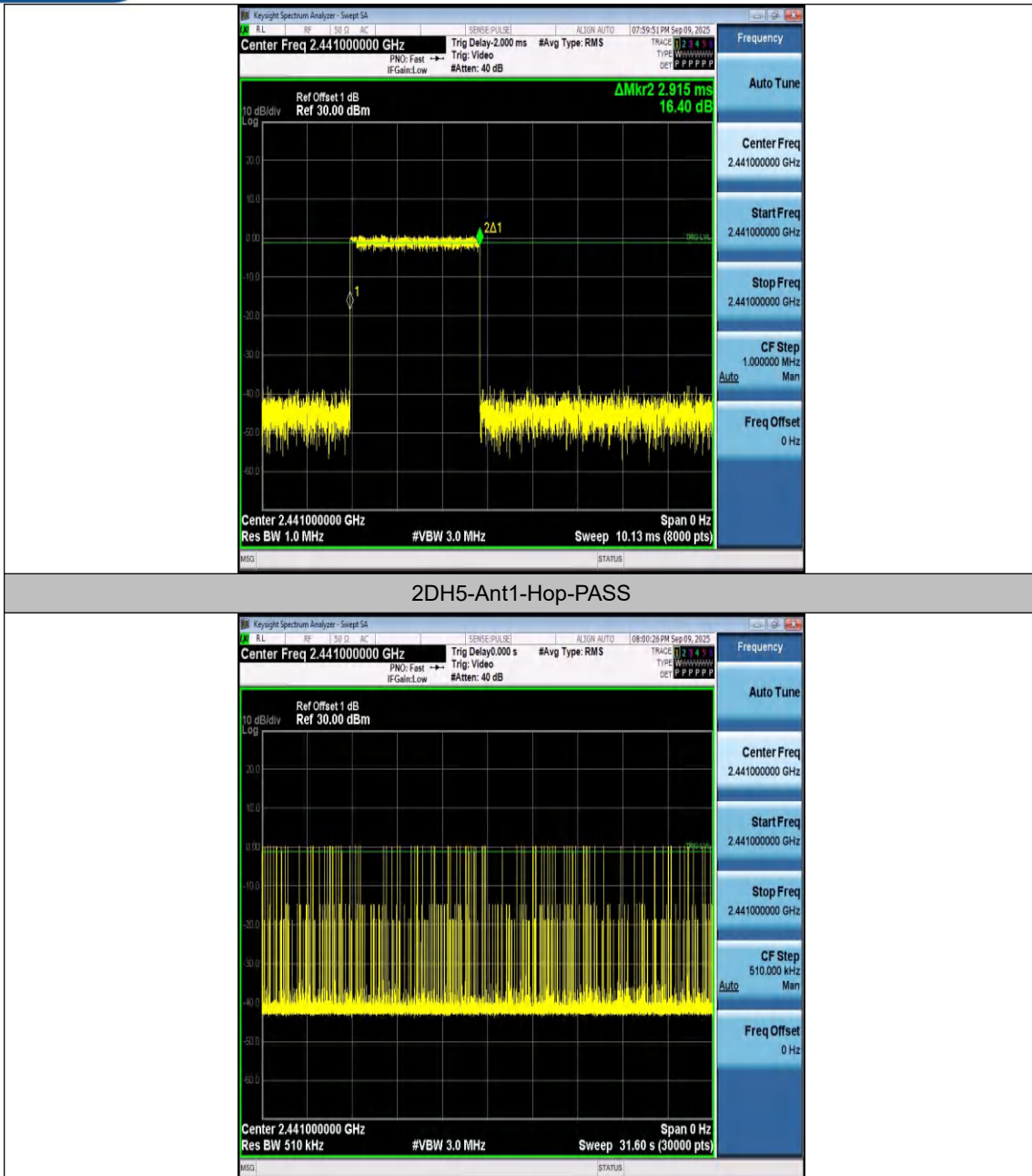
Test Graphs



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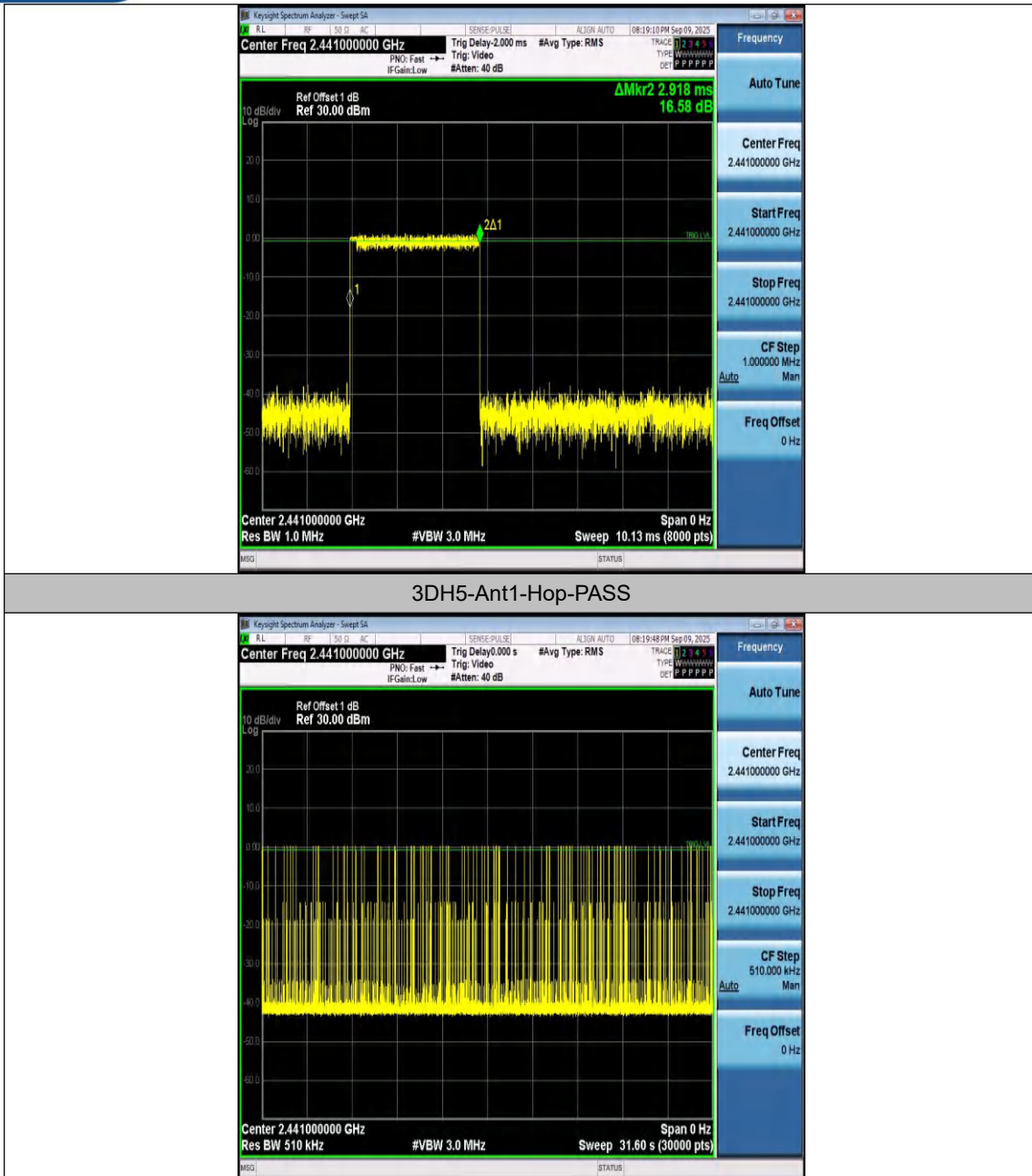
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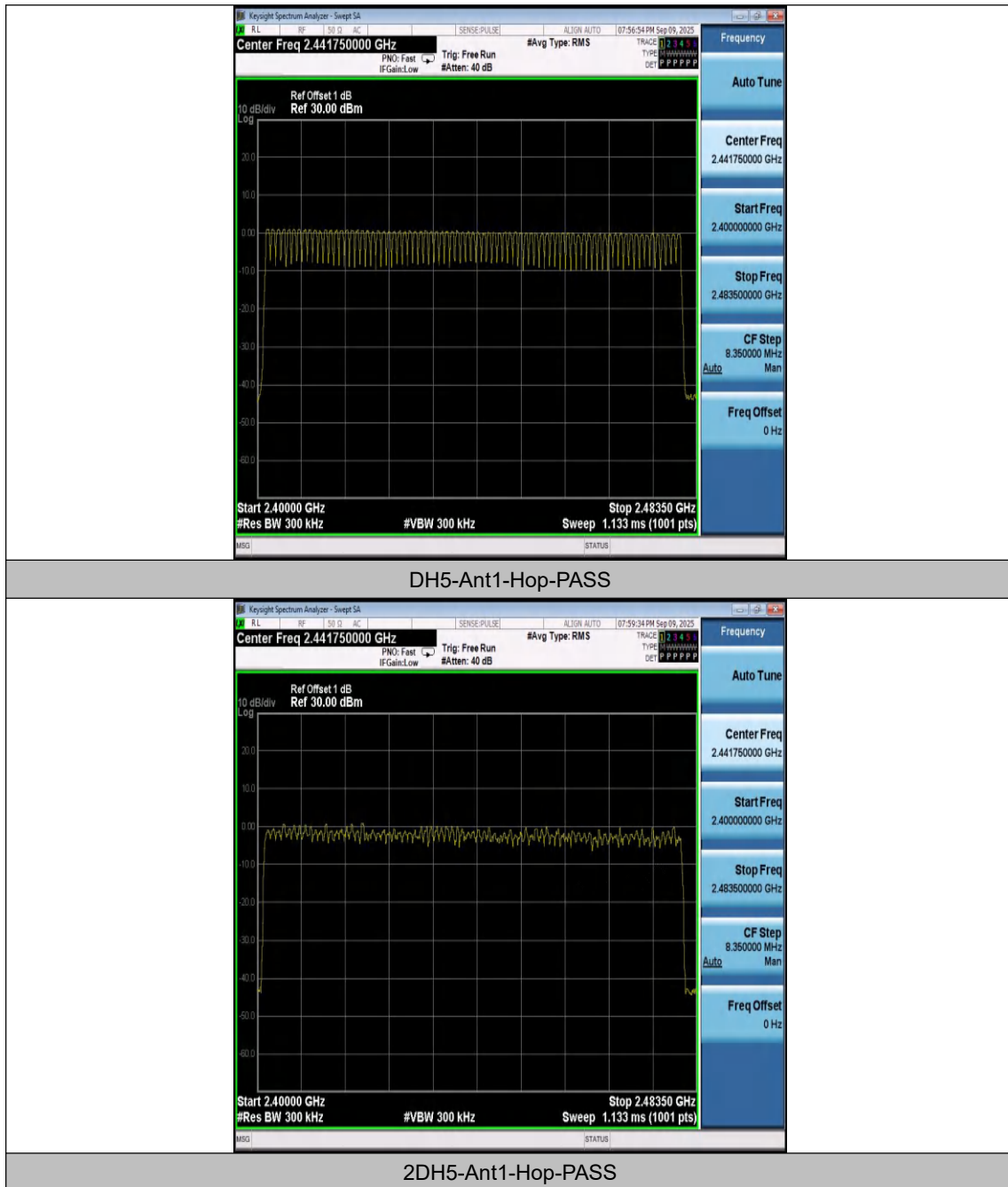
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

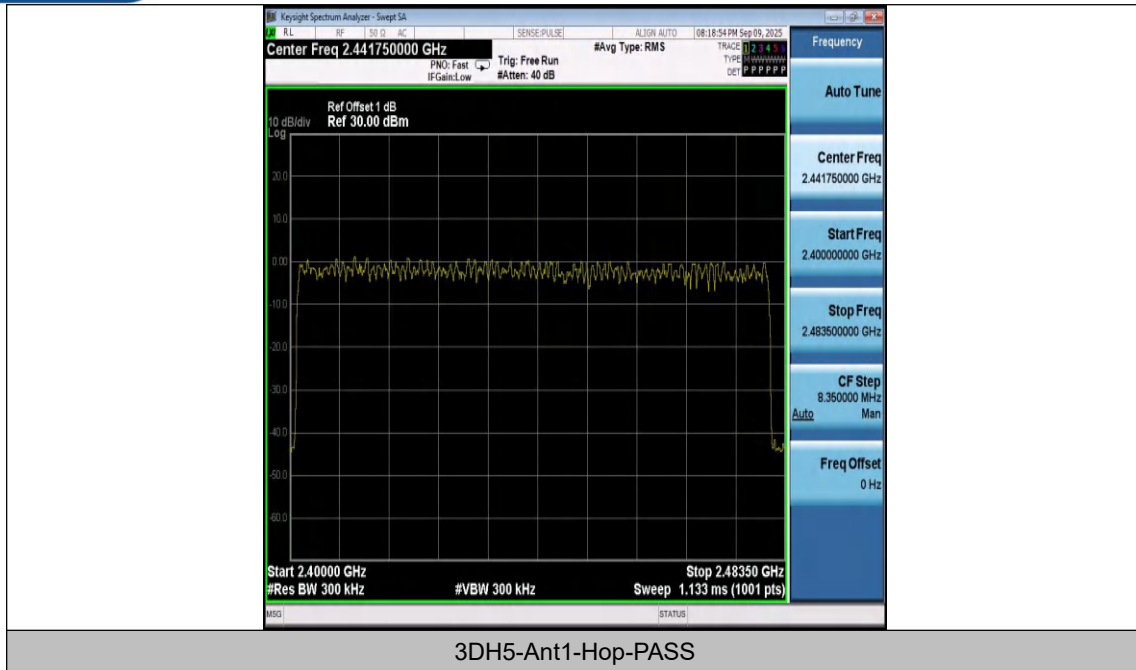
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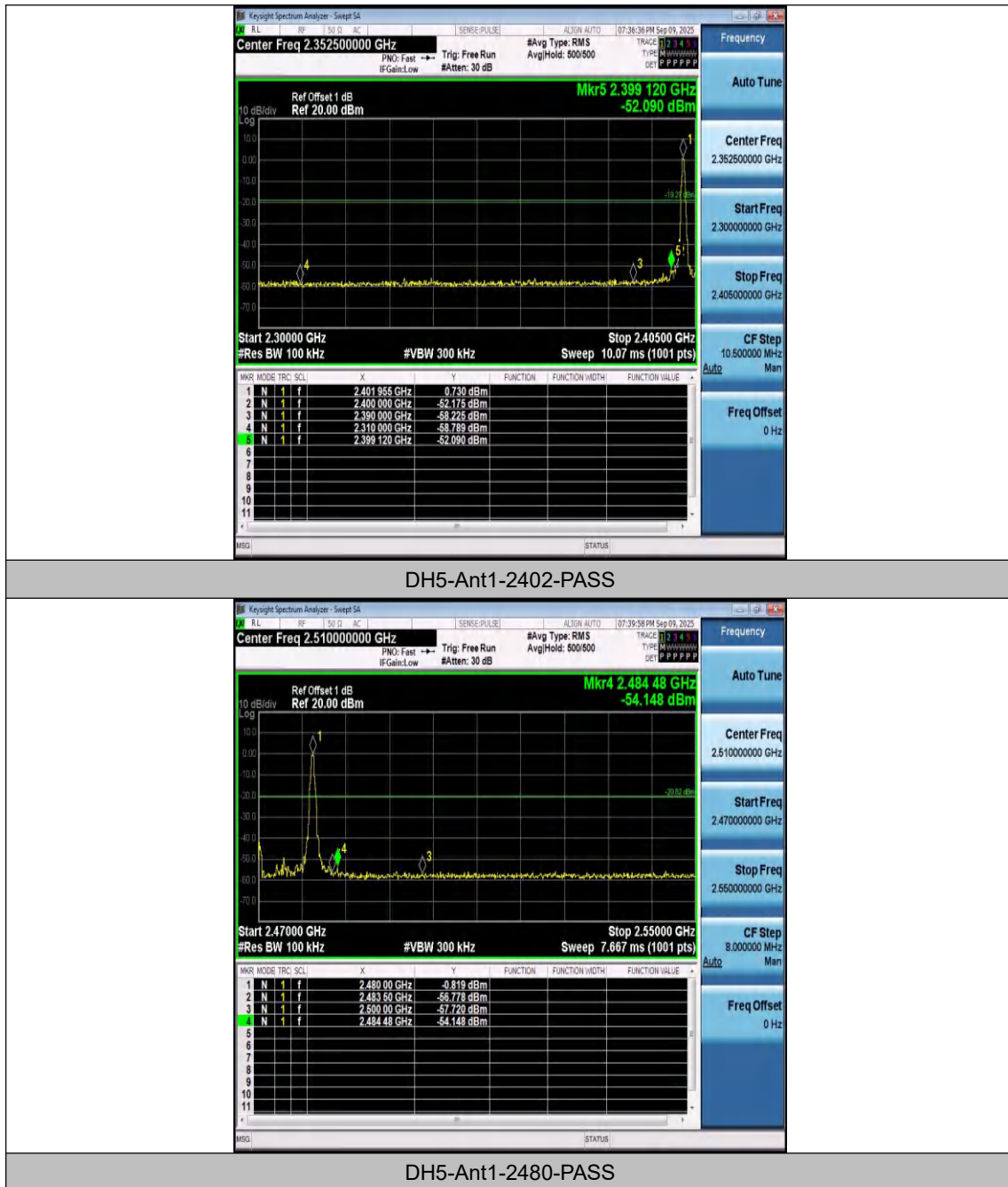
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.73	-52.09	≤-19.27	PASS
DH5	Ant1	High	2480	-0.82	-54.15	≤-20.82	PASS
DH5	Ant1	Low	Hop_2402	-0.27	-54.31	≤-20.27	PASS
DH5	Ant1	High	Hop_2480	-0.70	-55.98	≤-20.7	PASS
2DH5	Ant1	Low	2402	0.42	-50.02	≤-19.58	PASS
2DH5	Ant1	High	2480	-0.85	-47.42	≤-20.85	PASS
2DH5	Ant1	Low	Hop_2402	-3.40	-54.24	≤-23.4	PASS
2DH5	Ant1	High	Hop_2480	-2.04	-54.96	≤-22.04	PASS
3DH5	Ant1	Low	2402	0.53	-49.89	≤-19.47	PASS
3DH5	Ant1	High	2480	-0.81	-54.37	≤-20.81	PASS
3DH5	Ant1	Low	Hop_2402	-1.07	-55.46	≤-21.07	PASS
3DH5	Ant1	High	Hop_2480	-1.13	-55.25	≤-21.13	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.

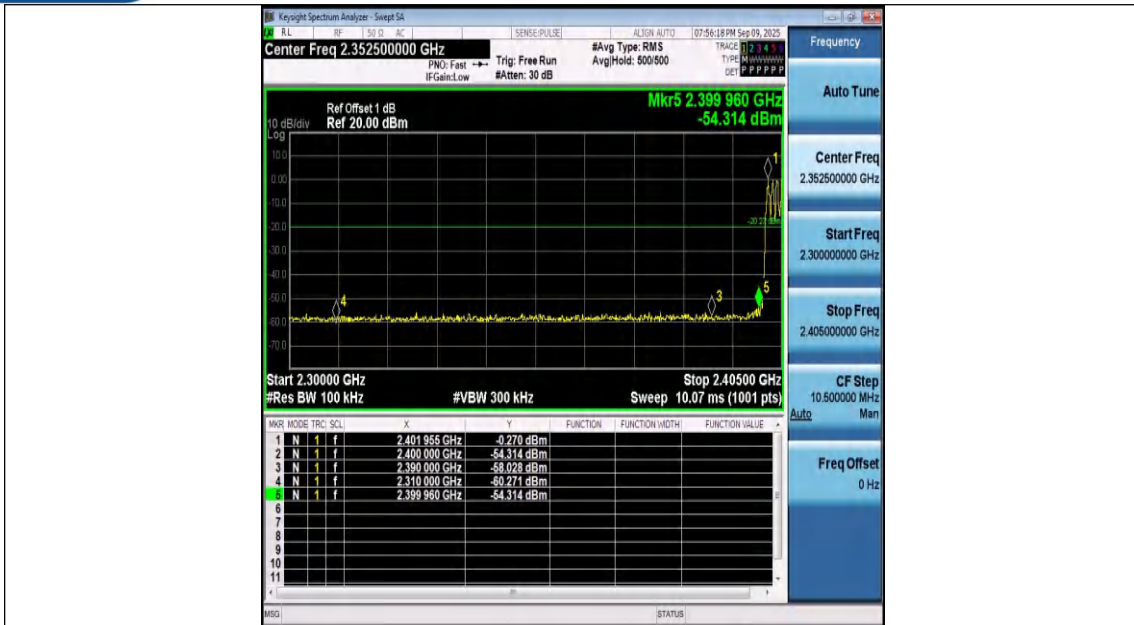
Test Graphs



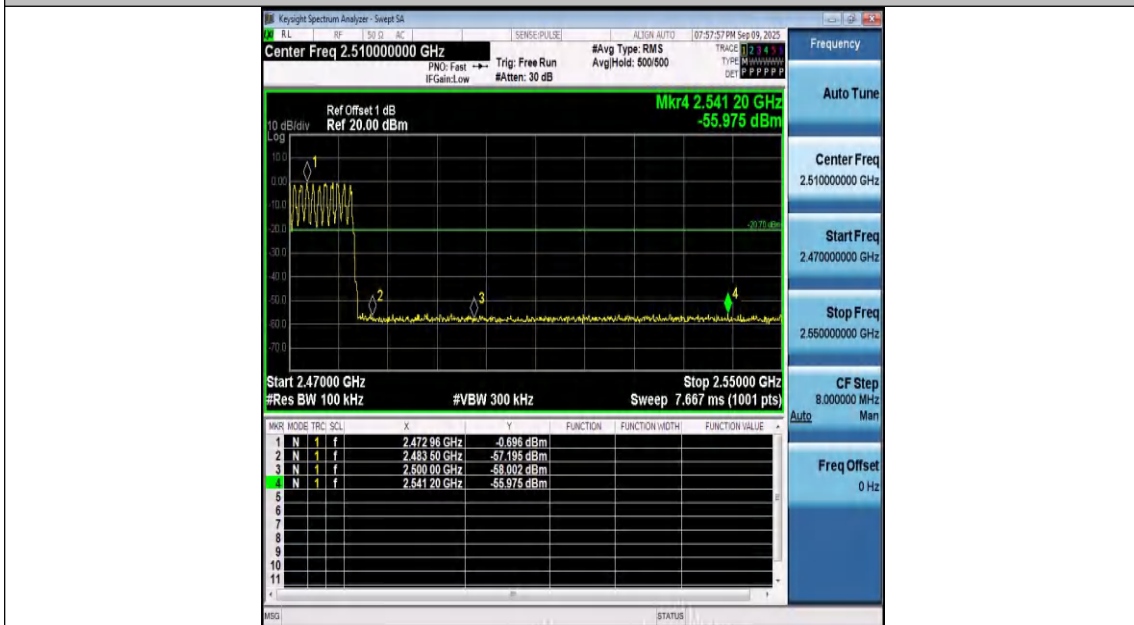
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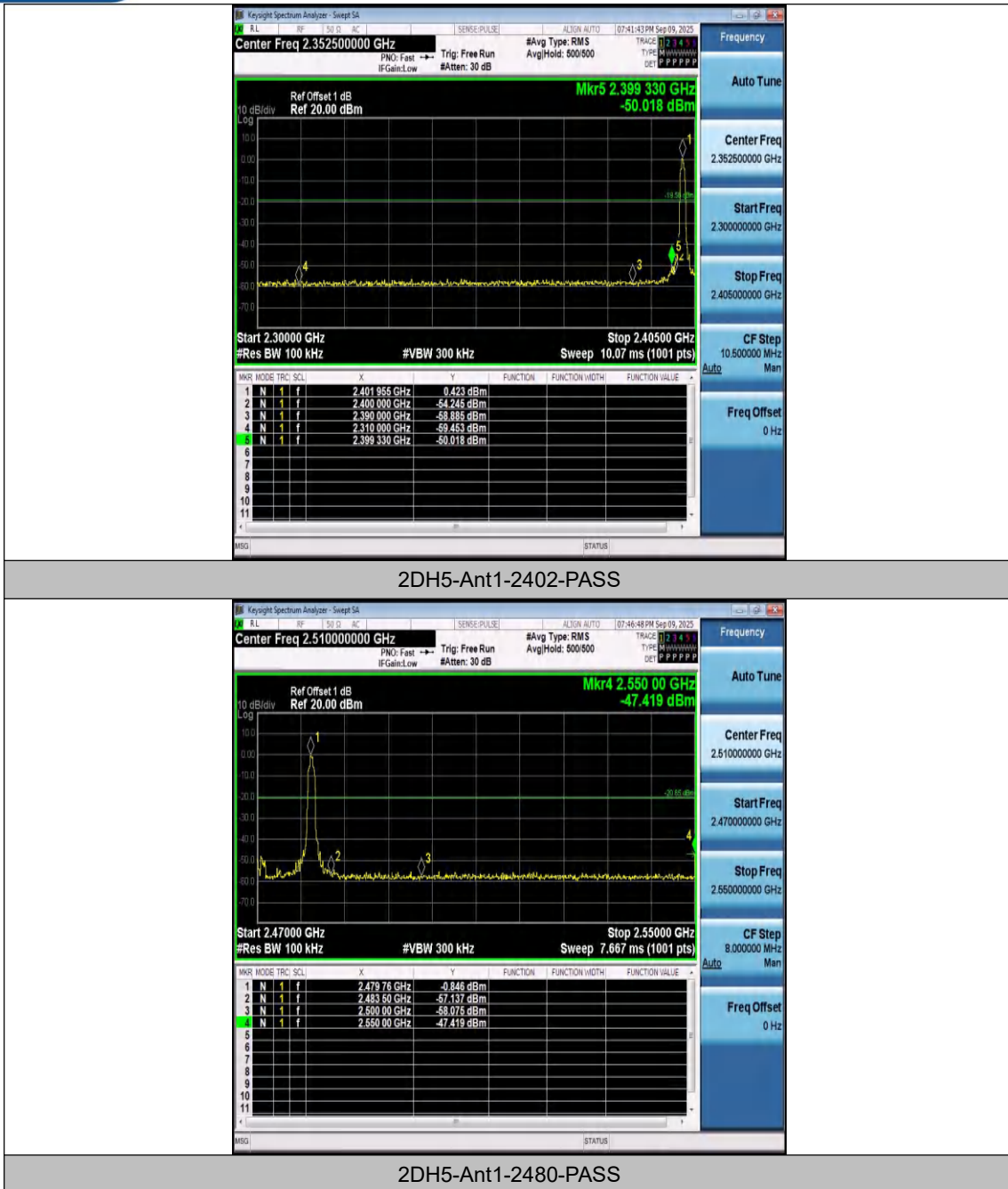
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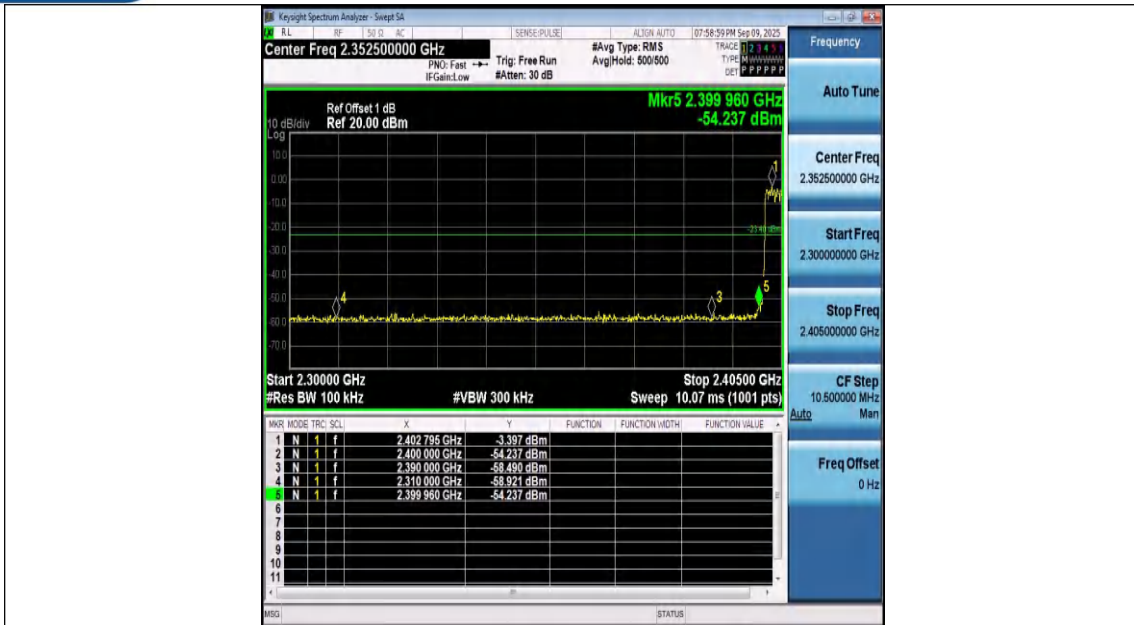


DH5-Ant1-Hop_2402-PASS

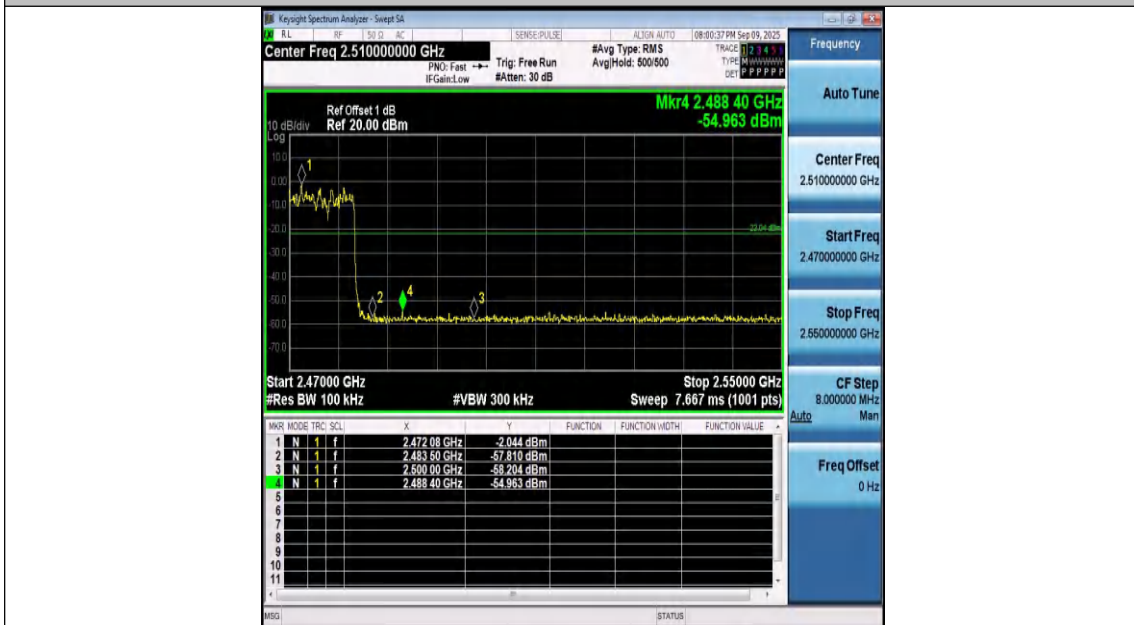


DH5-Ant1-Hop_2480-PASS

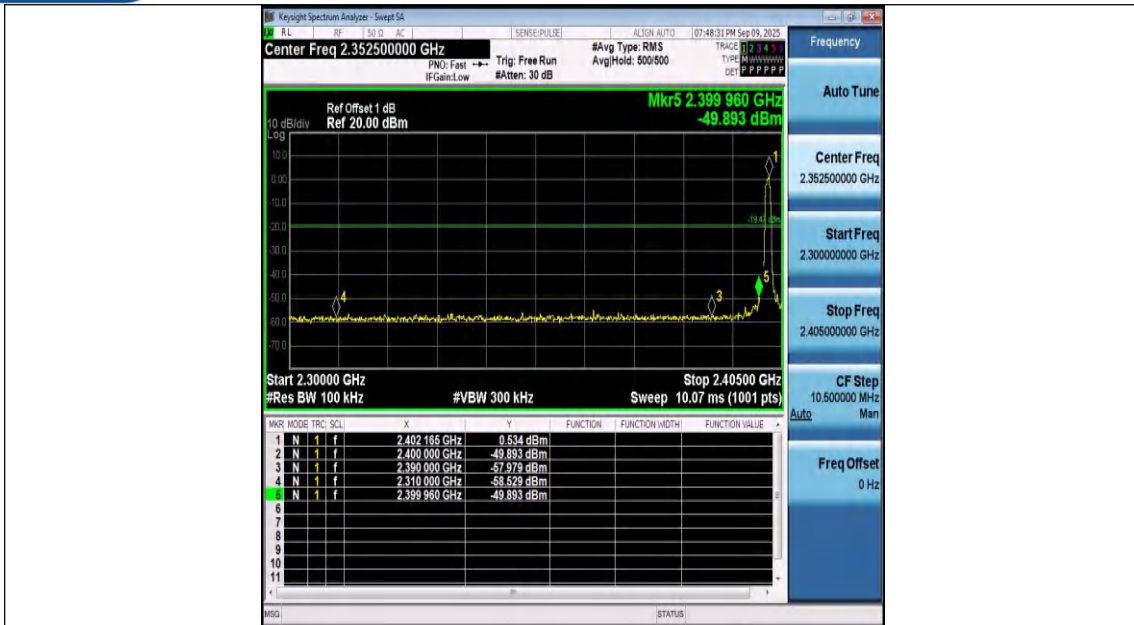




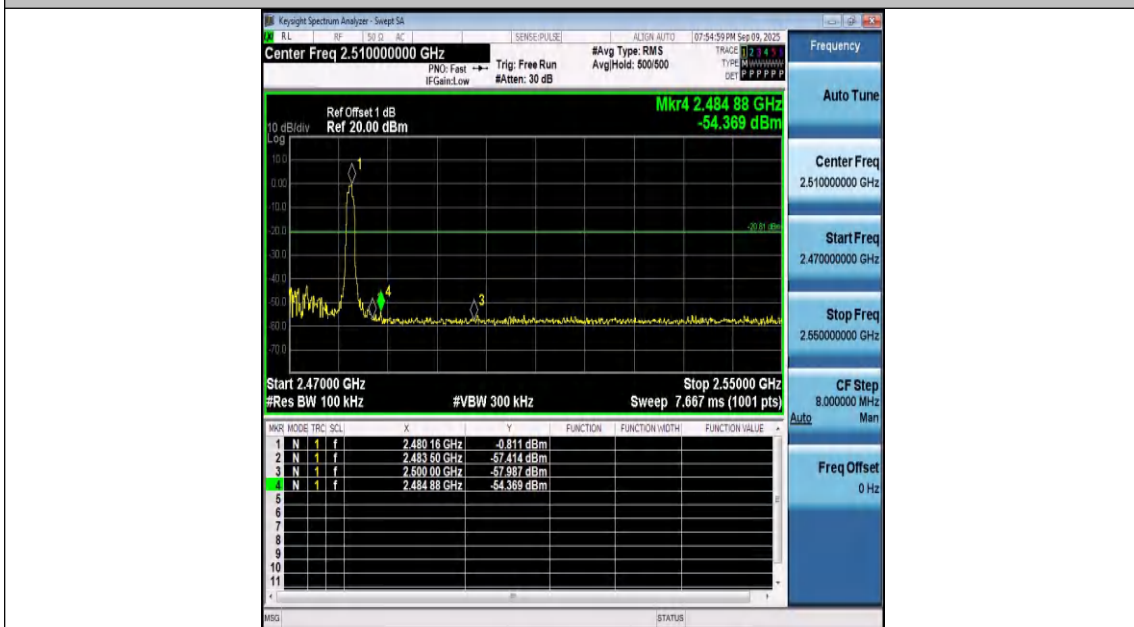
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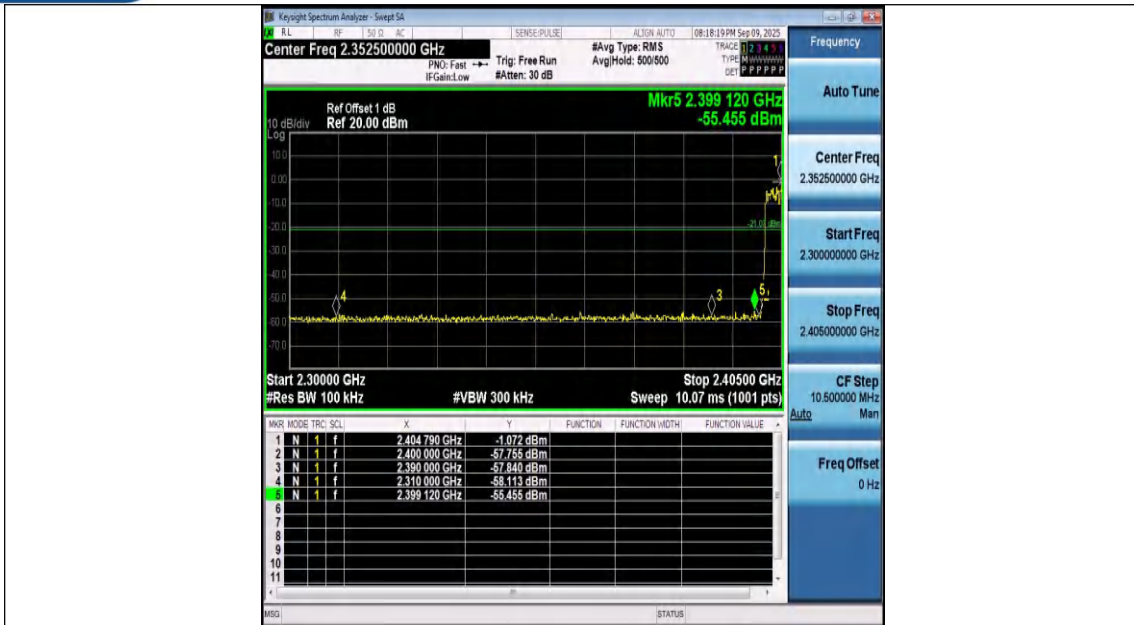
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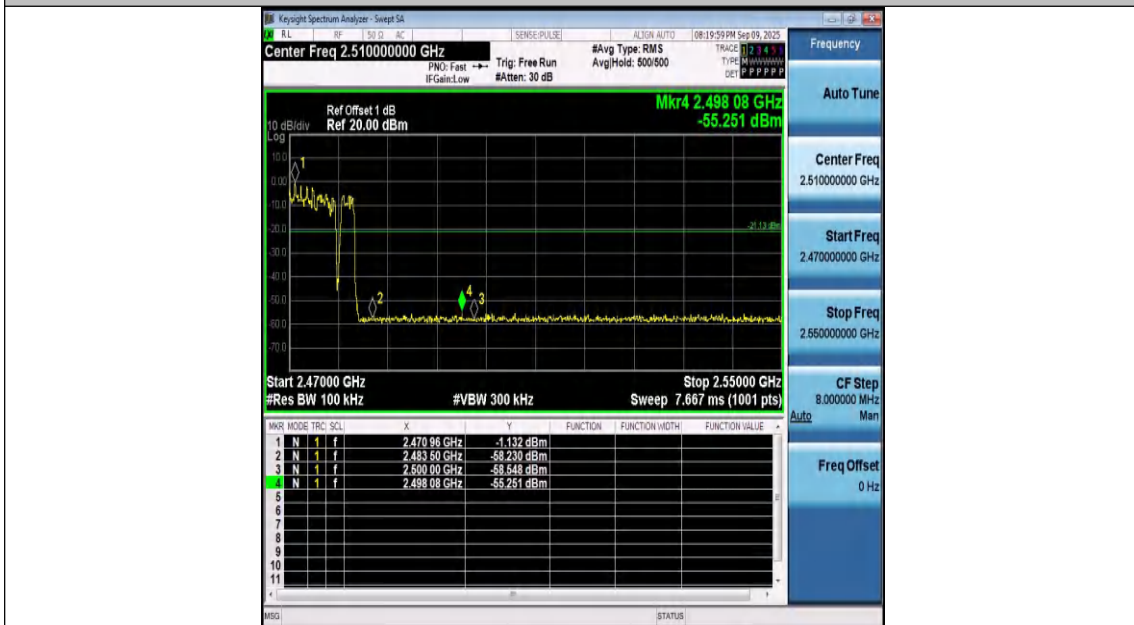
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3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

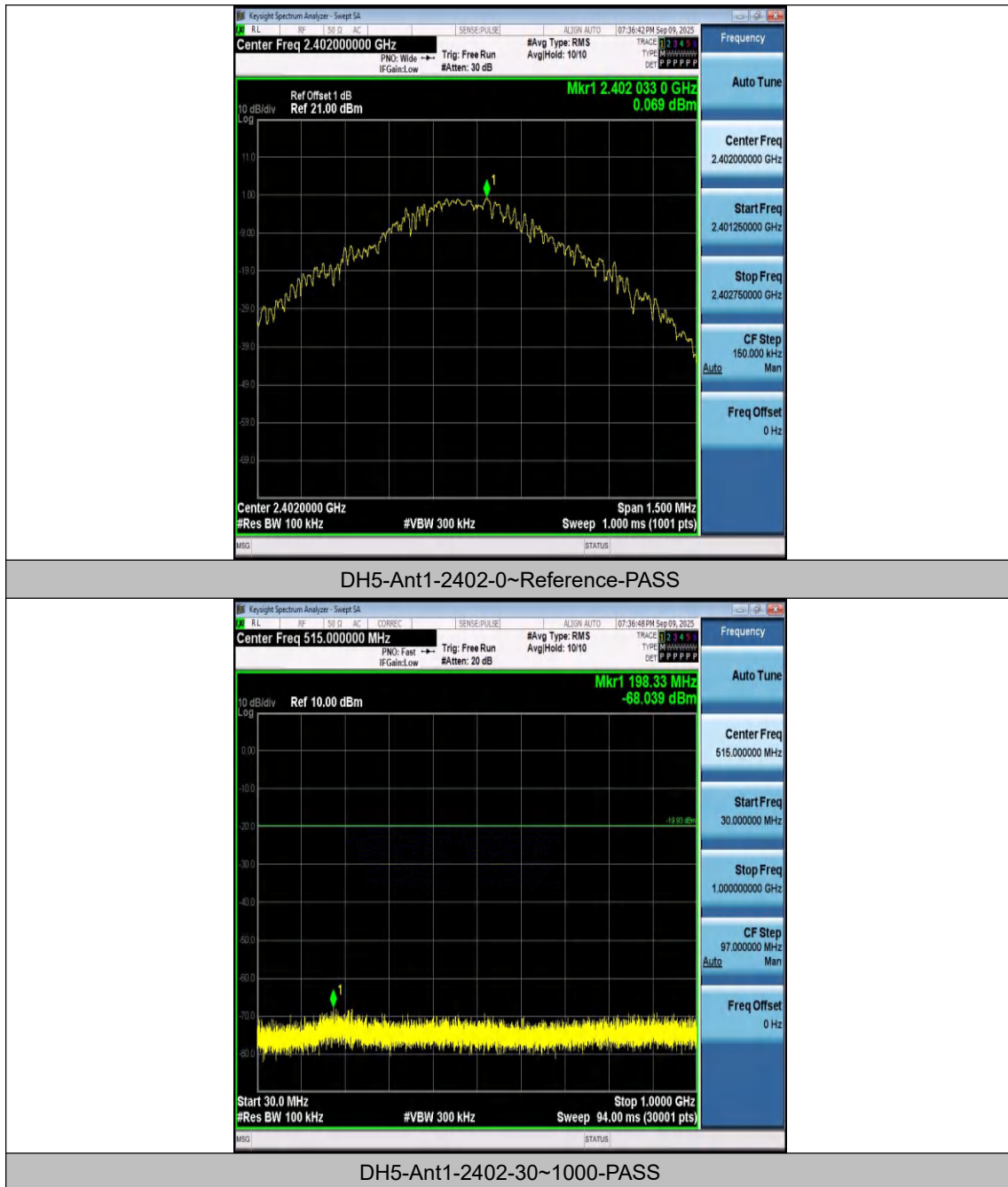
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.07	0.07	---	PASS
DH5	Ant1	2402	30~1000	0.07	-68.04	≤-19.93	PASS
DH5	Ant1	2402	1000~26500	0.07	-51.72	≤-19.93	PASS
DH5	Ant1	2441	0~Reference	-0.46	-0.46	---	PASS
DH5	Ant1	2441	30~1000	-0.46	-67.98	≤-20.46	PASS
DH5	Ant1	2441	1000~26500	-0.46	-53.37	≤-20.46	PASS
DH5	Ant1	2480	0~Reference	-1.41	-1.41	---	PASS
DH5	Ant1	2480	30~1000	-1.41	-68.33	≤-21.41	PASS
DH5	Ant1	2480	1000~26500	-1.41	-53.25	≤-21.41	PASS
2DH5	Ant1	2402	0~Reference	-1.70	-1.70	---	PASS
2DH5	Ant1	2402	30~1000	-1.70	-68.19	≤-21.7	PASS
2DH5	Ant1	2402	1000~26500	-1.70	-51.93	≤-21.7	PASS
2DH5	Ant1	2441	0~Reference	-1.84	-1.84	---	PASS
2DH5	Ant1	2441	30~1000	-1.84	-67.65	≤-21.84	PASS
2DH5	Ant1	2441	1000~26500	-1.84	-53.72	≤-21.84	PASS
2DH5	Ant1	2480	0~Reference	-1.94	-1.94	---	PASS
2DH5	Ant1	2480	30~1000	-1.94	-68.25	≤-21.94	PASS
2DH5	Ant1	2480	1000~26500	-1.94	-51.94	≤-21.94	PASS
3DH5	Ant1	2402	0~Reference	-1.24	-1.24	---	PASS
3DH5	Ant1	2402	30~1000	-1.24	-68.2	≤-21.24	PASS
3DH5	Ant1	2402	1000~26500	-1.24	-40.57	≤-21.24	PASS
3DH5	Ant1	2441	0~Reference	-4.17	-4.17	---	PASS
3DH5	Ant1	2441	30~1000	-4.17	-68.91	≤-24.17	PASS
3DH5	Ant1	2441	1000~26500	-4.17	-53.52	≤-24.17	PASS
3DH5	Ant1	2480	0~Reference	-1.25	-1.25	---	PASS
3DH5	Ant1	2480	30~1000	-1.25	-67.44	≤-21.25	PASS
3DH5	Ant1	2480	1000~26500	-1.25	-52.94	≤-21.25	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.

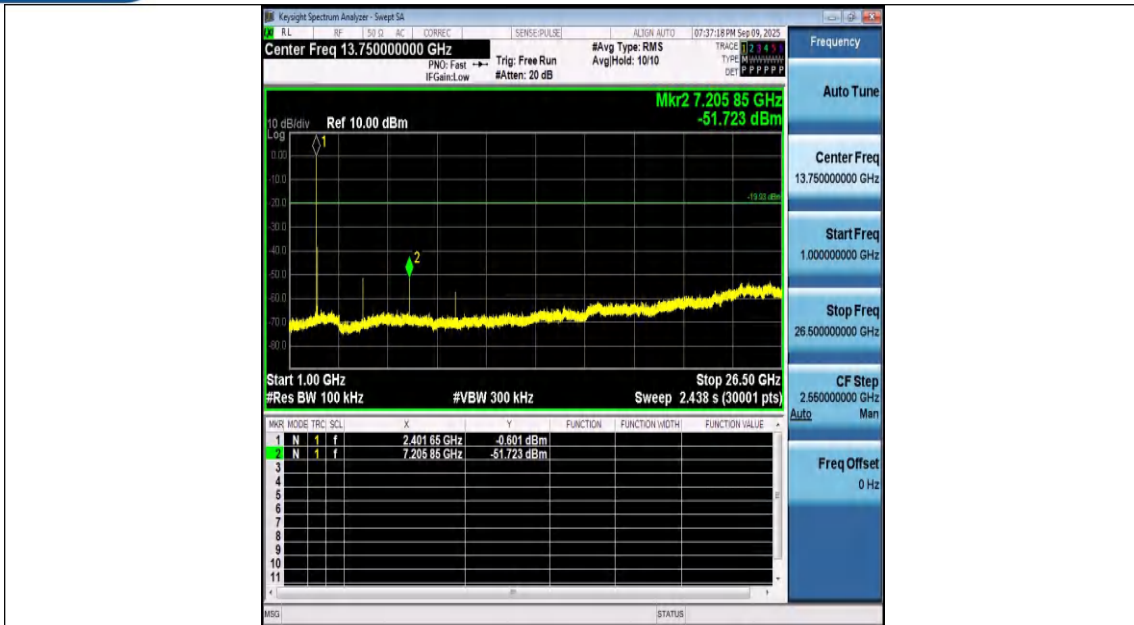
Test Graphs



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DH5-Ant1-2402-1000~26500-PASS

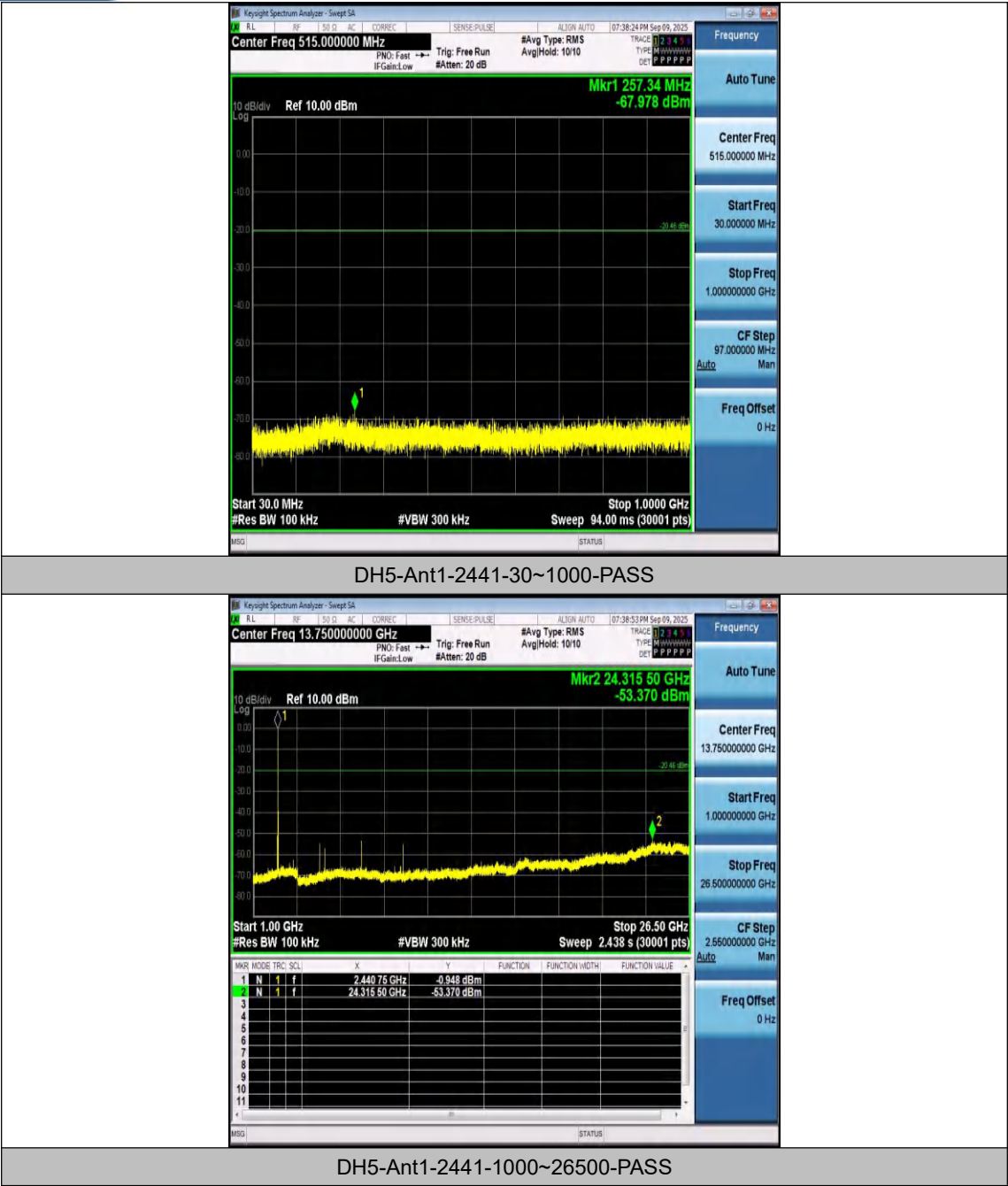


DH5-Ant1-2441-0~Reference-PASS

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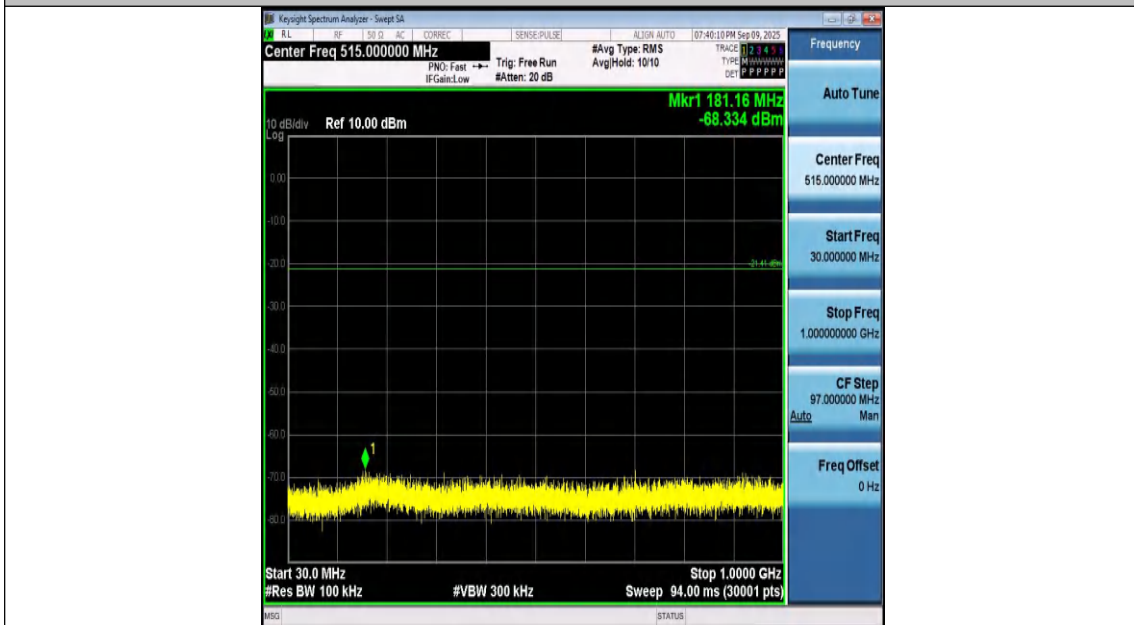
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DH5-Ant1-2480-0~Reference-PASS

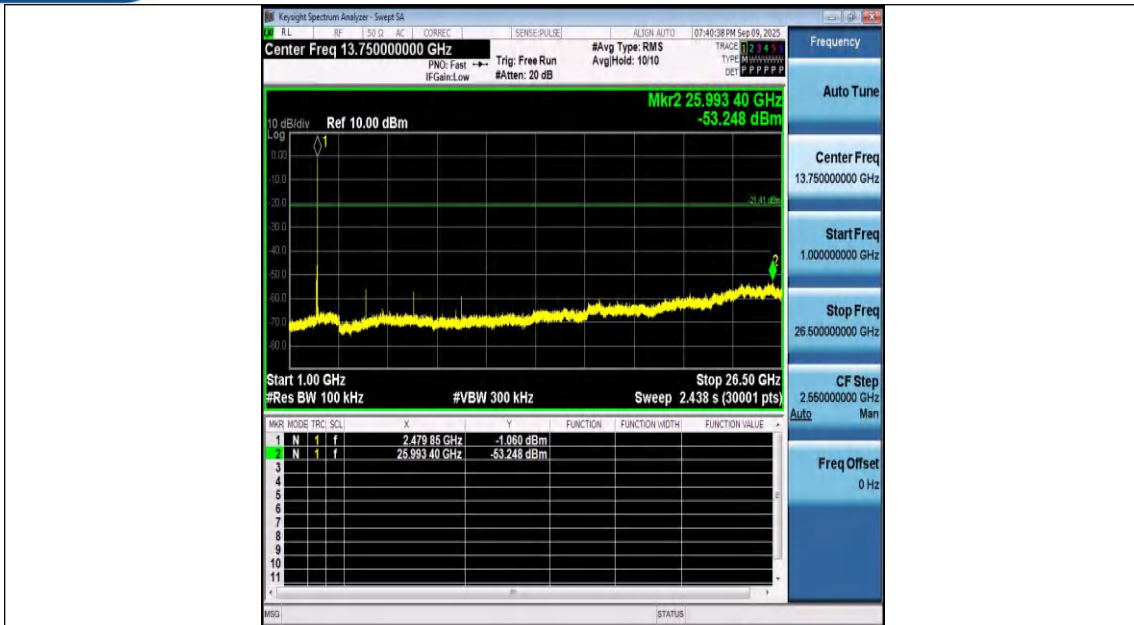


DH5-Ant1-2480-30~1000-PASS

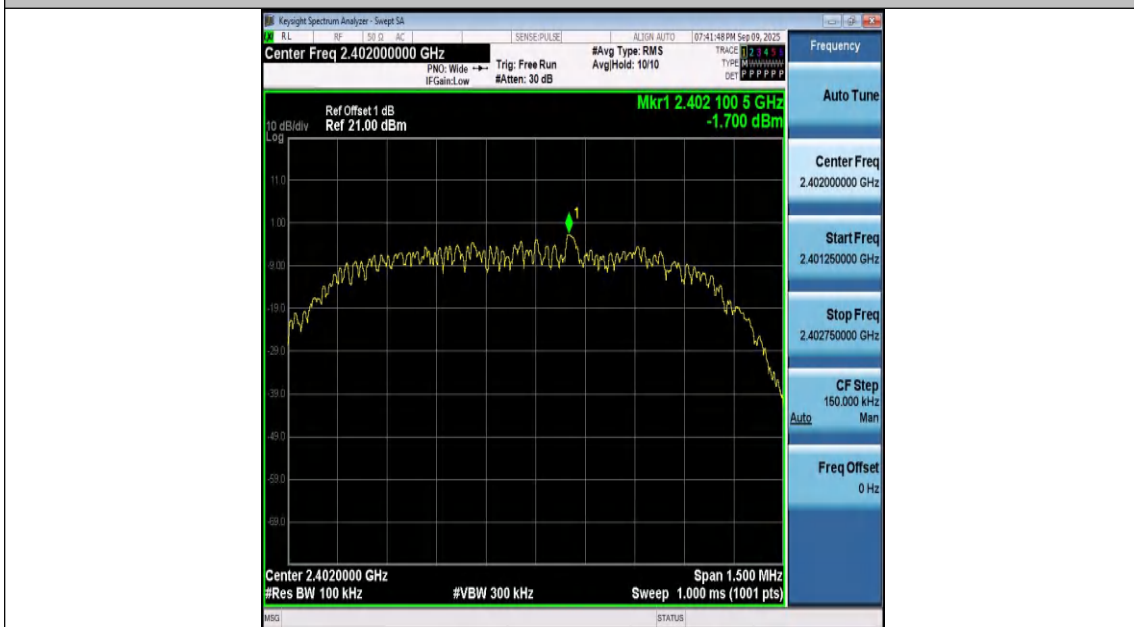
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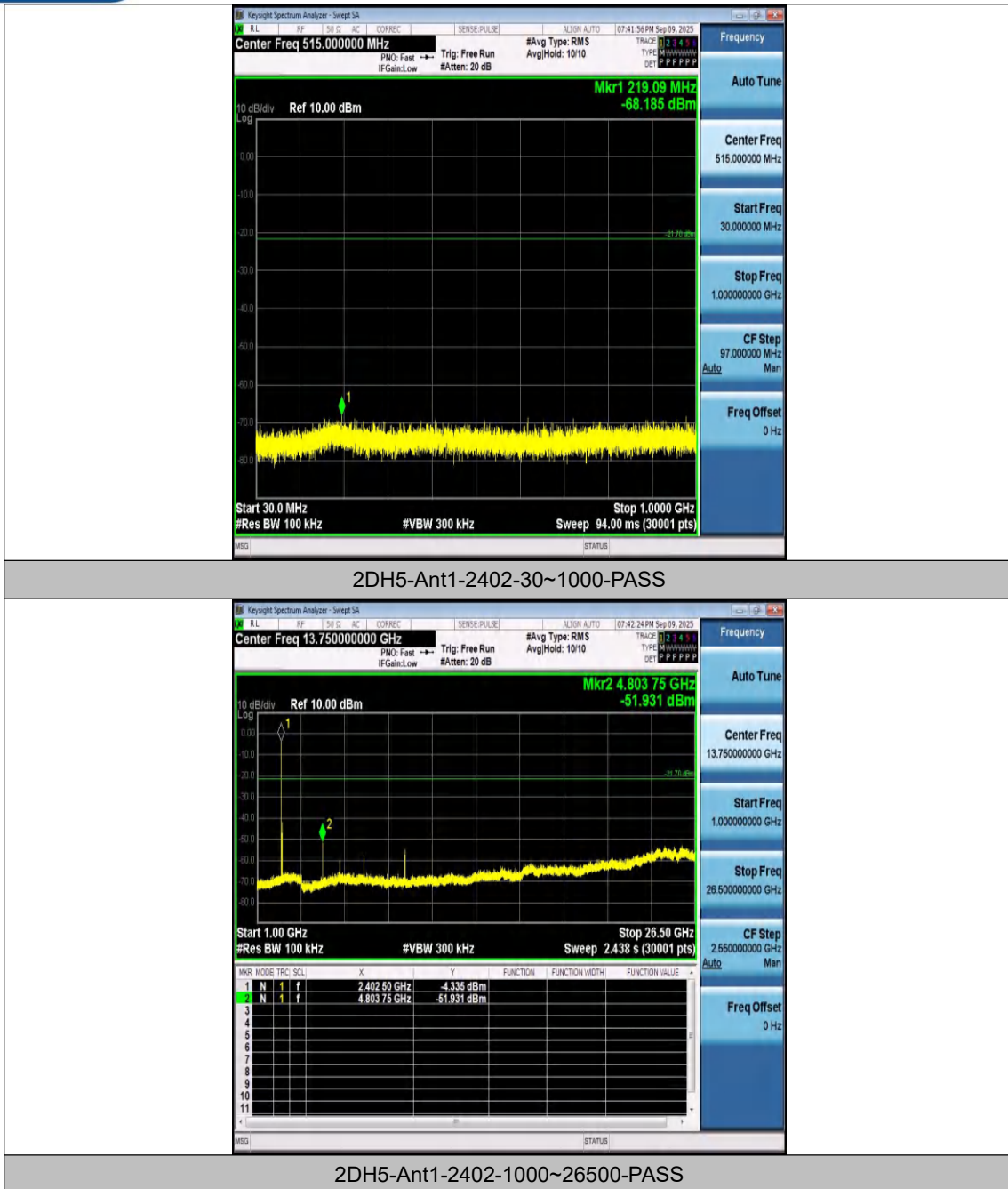


2DH5-Ant1-2402-0~Reference-PASS

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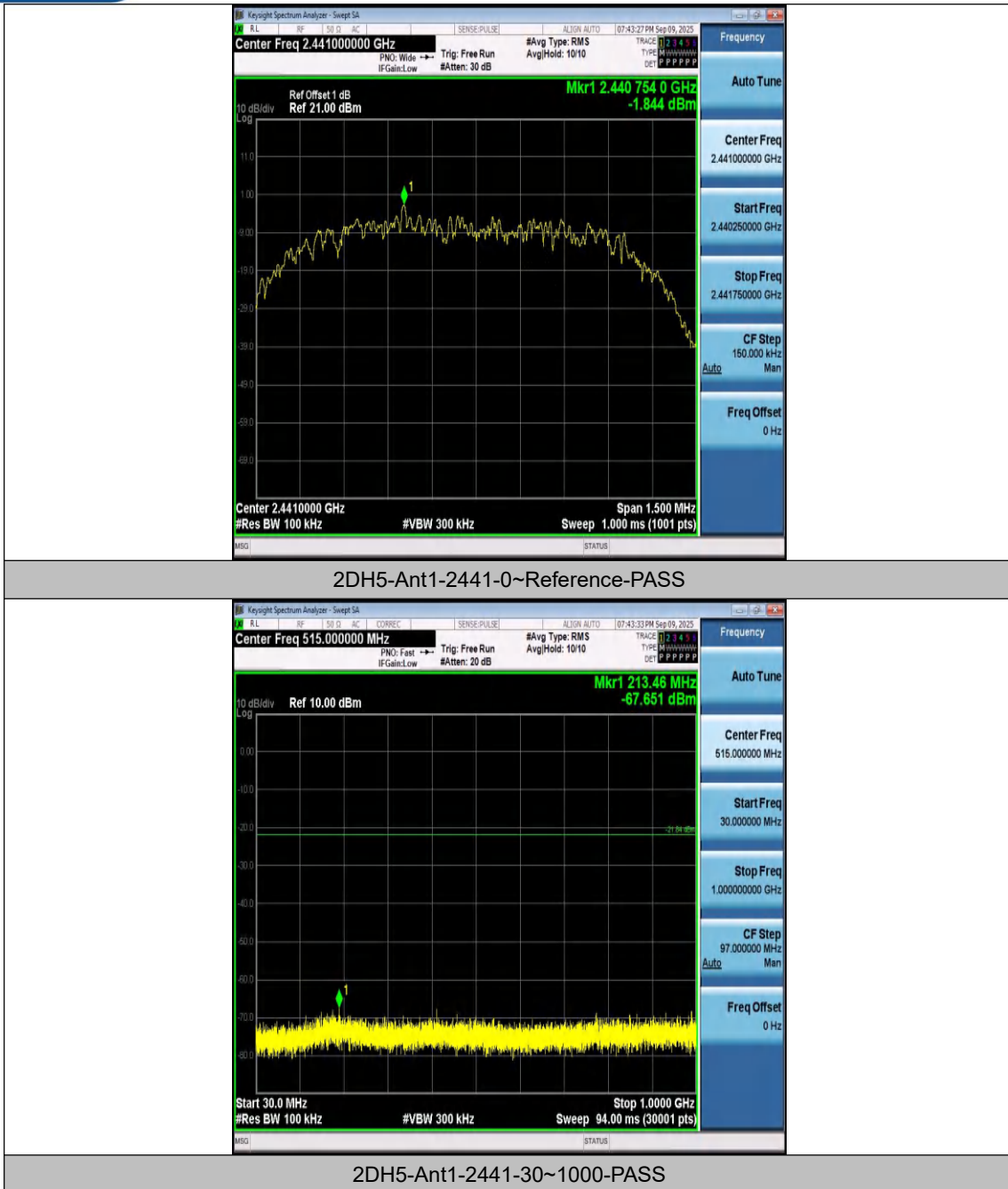
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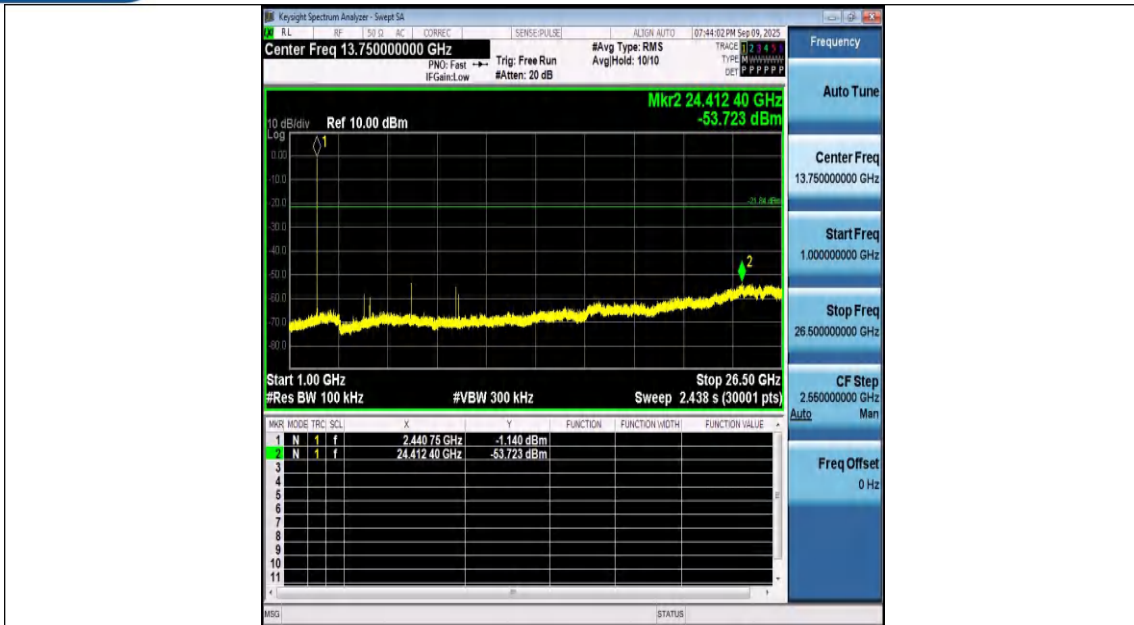
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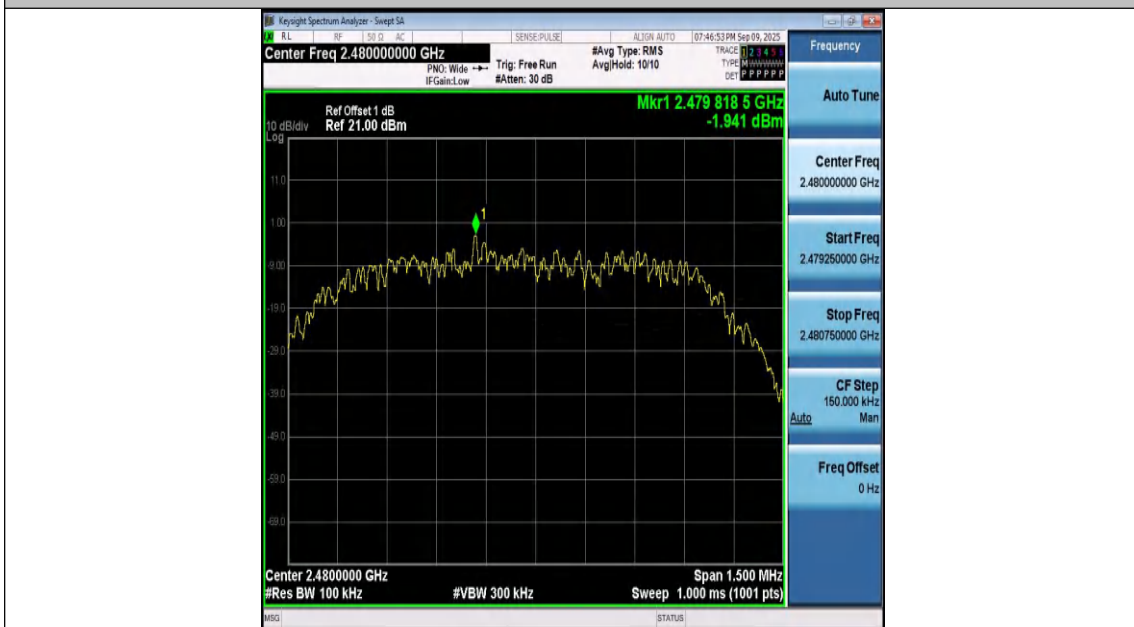
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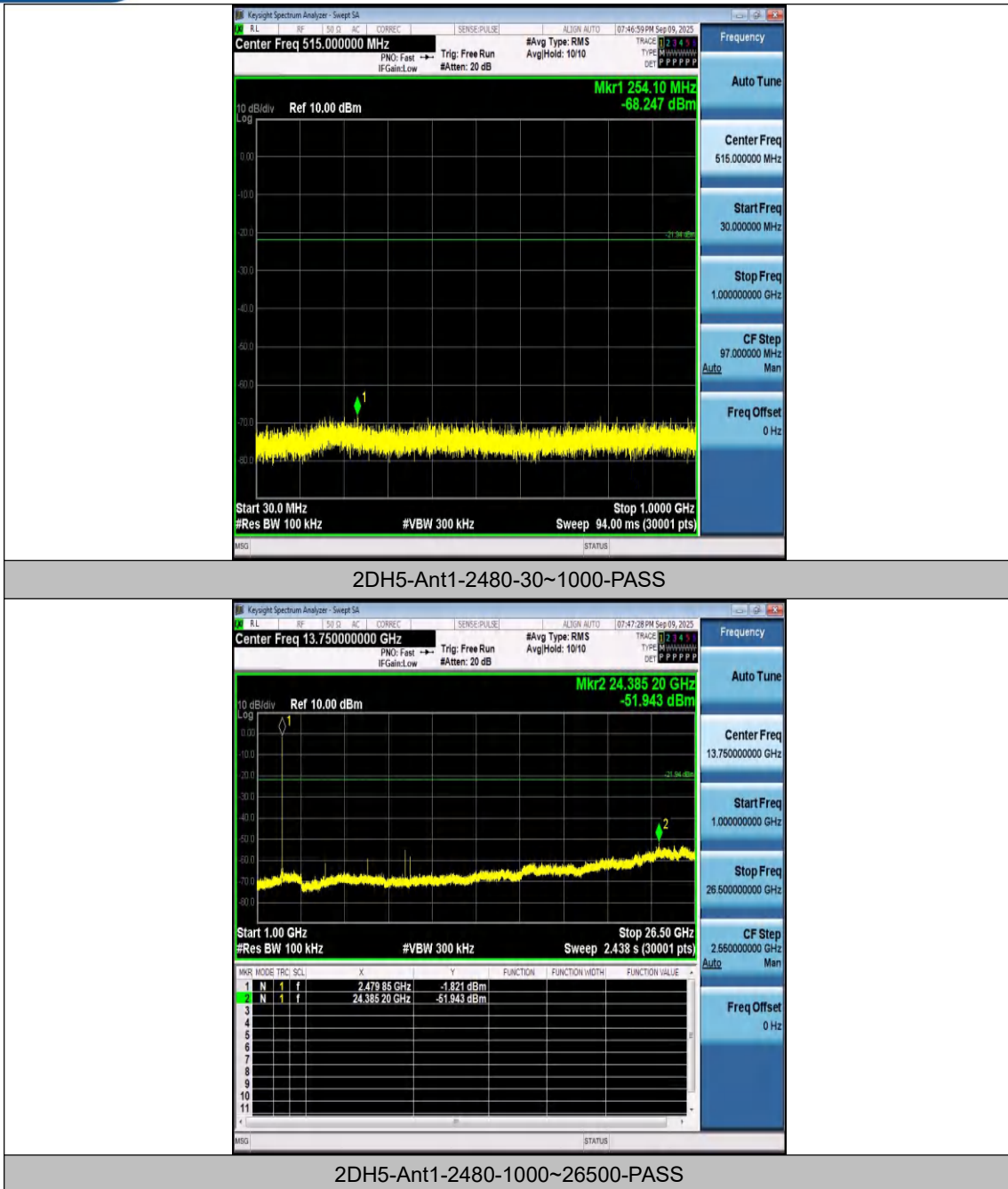


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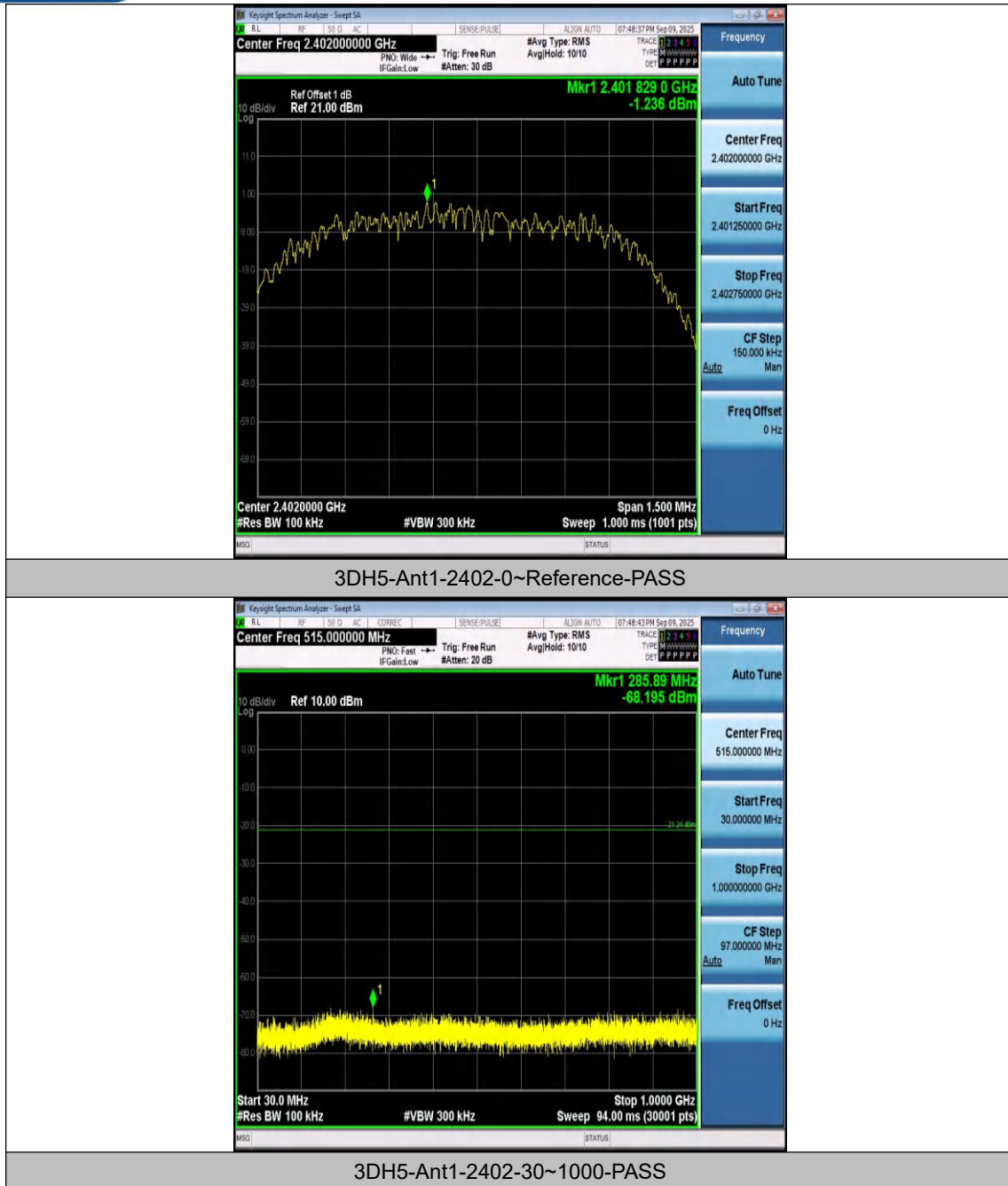
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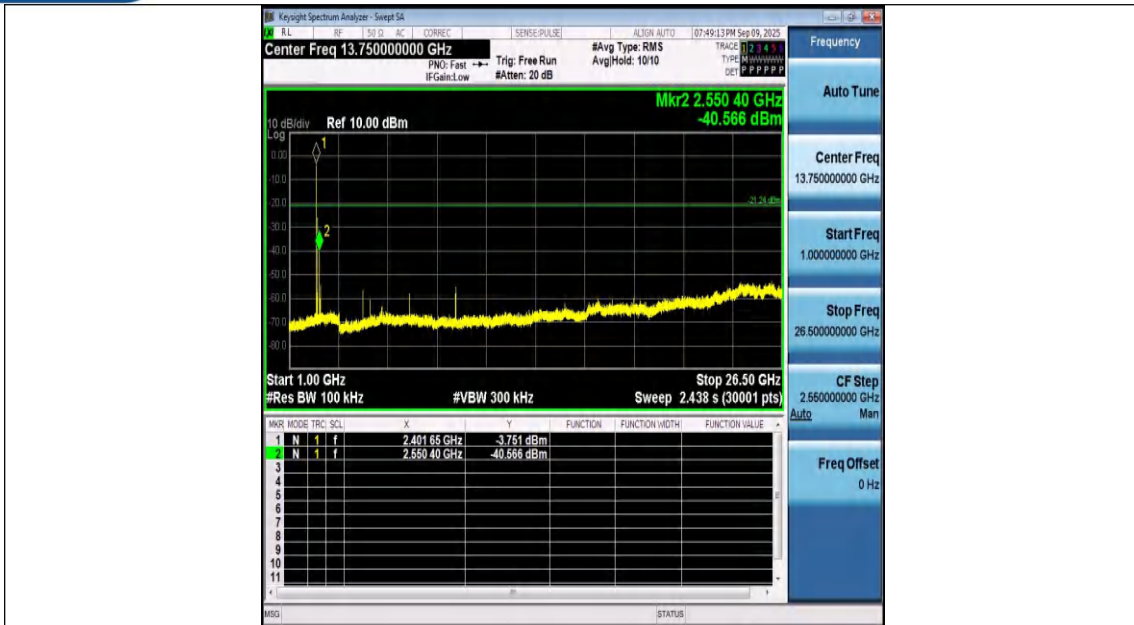
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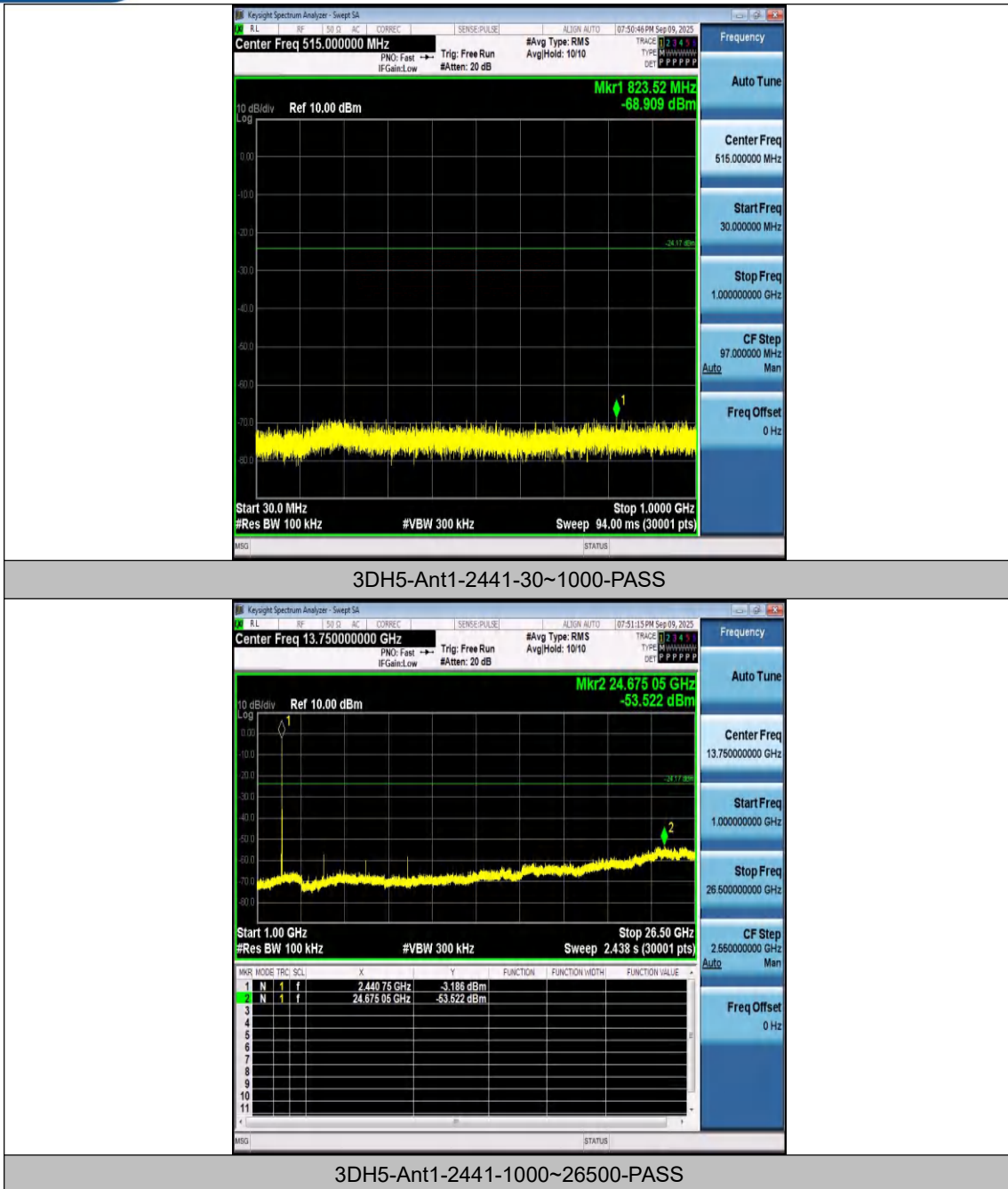


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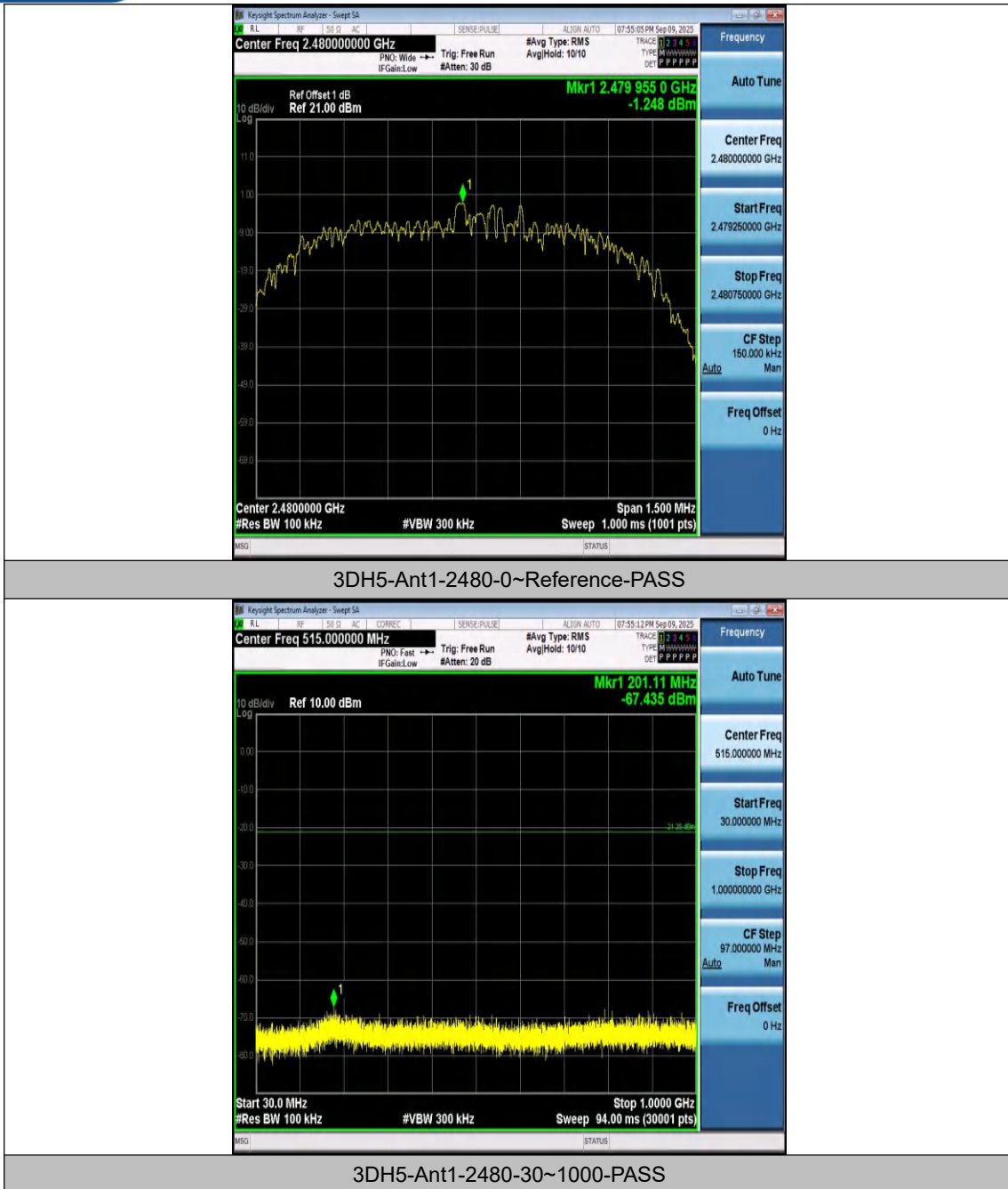
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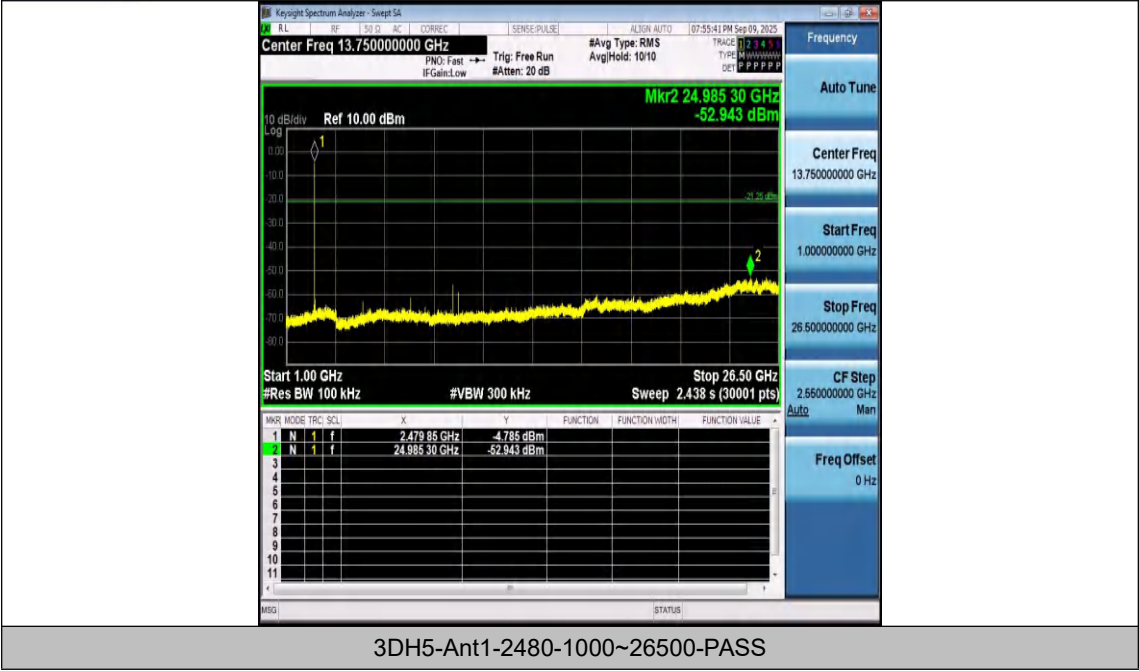
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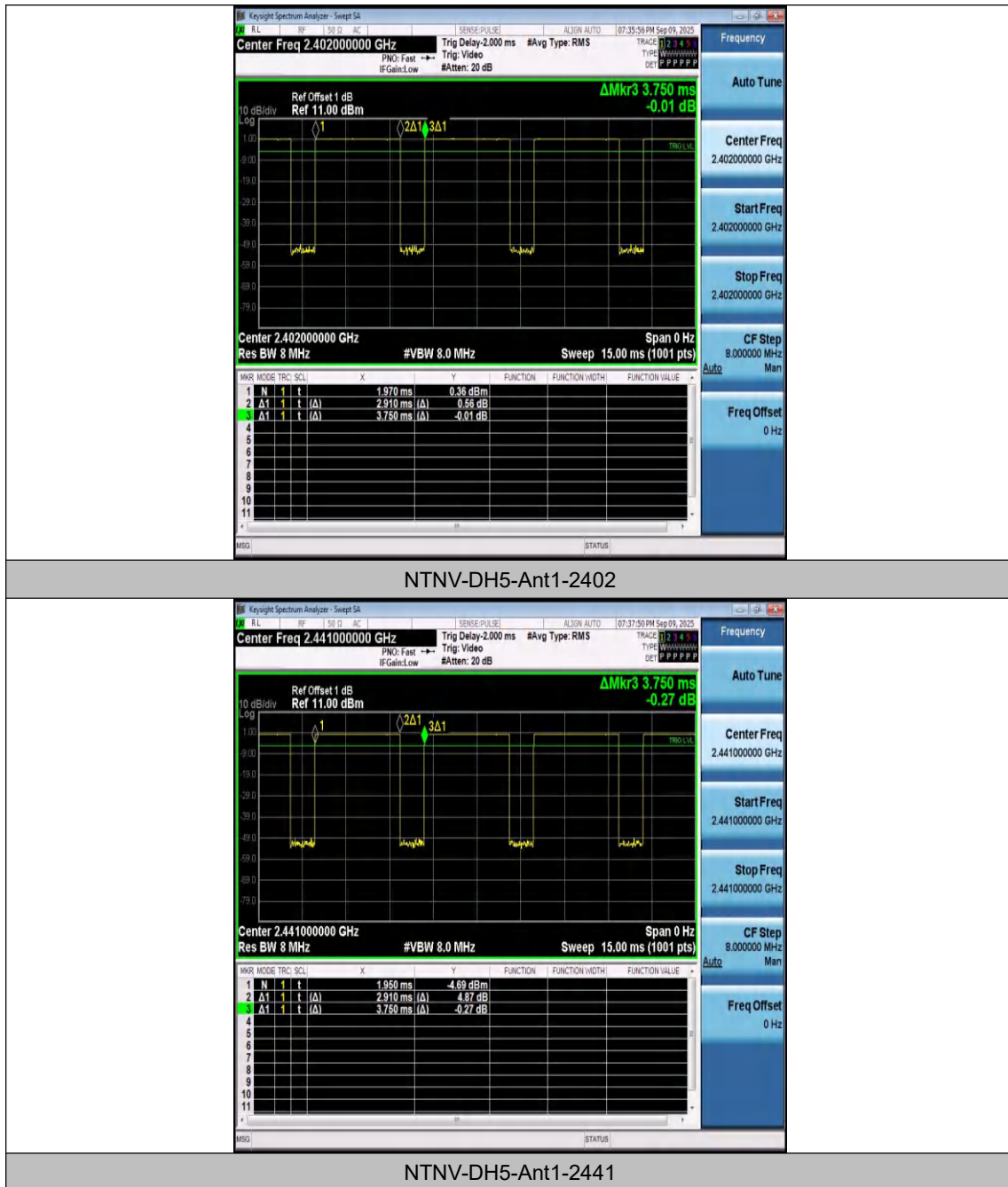
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.93	3.75	78.13	1.07
2DH5	Ant1	2441	2.93	3.75	78.13	1.07
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.93	3.75	78.13	1.07
3DH5	Ant1	2480	2.93	3.75	78.13	1.07

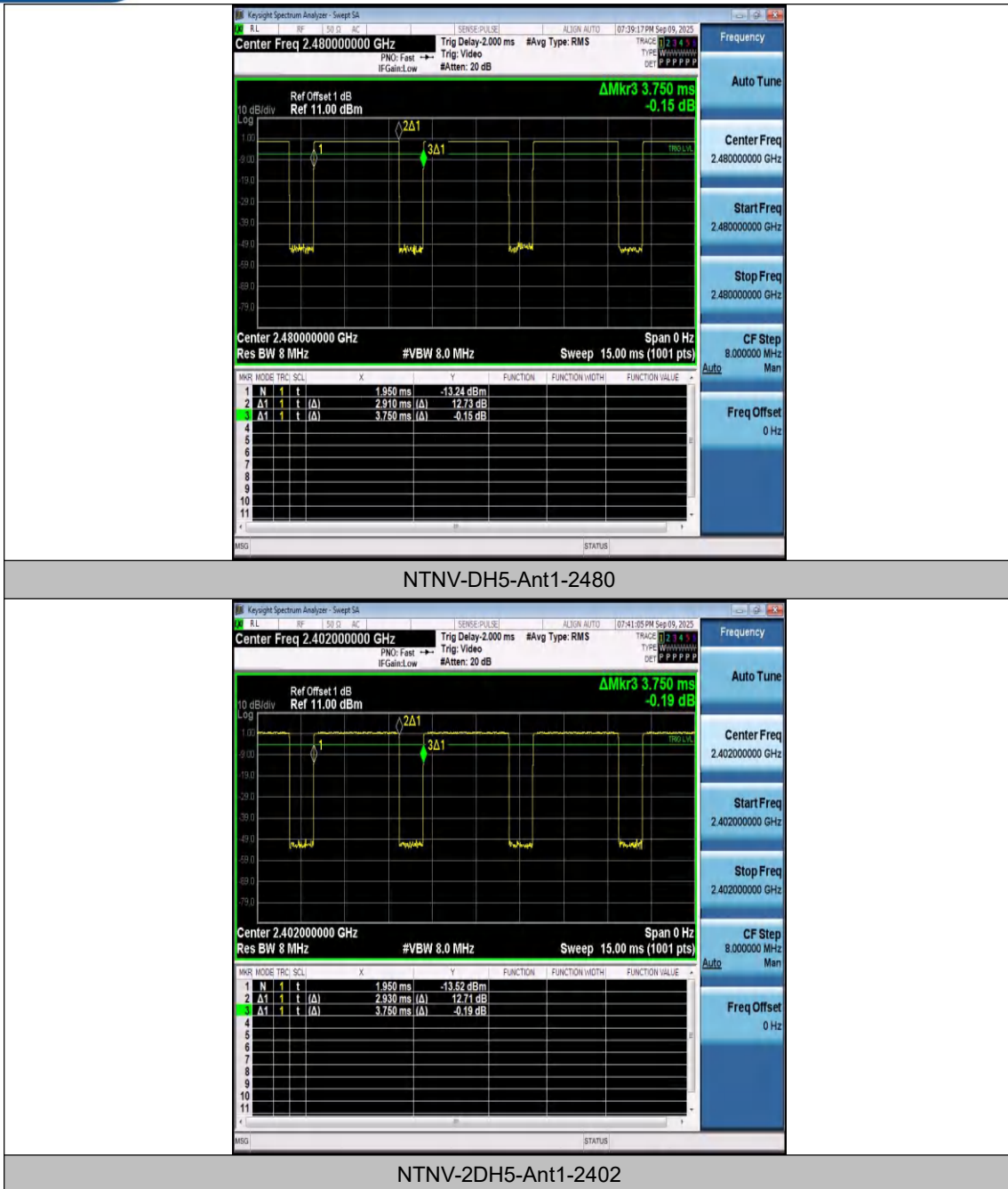
Test Graphs

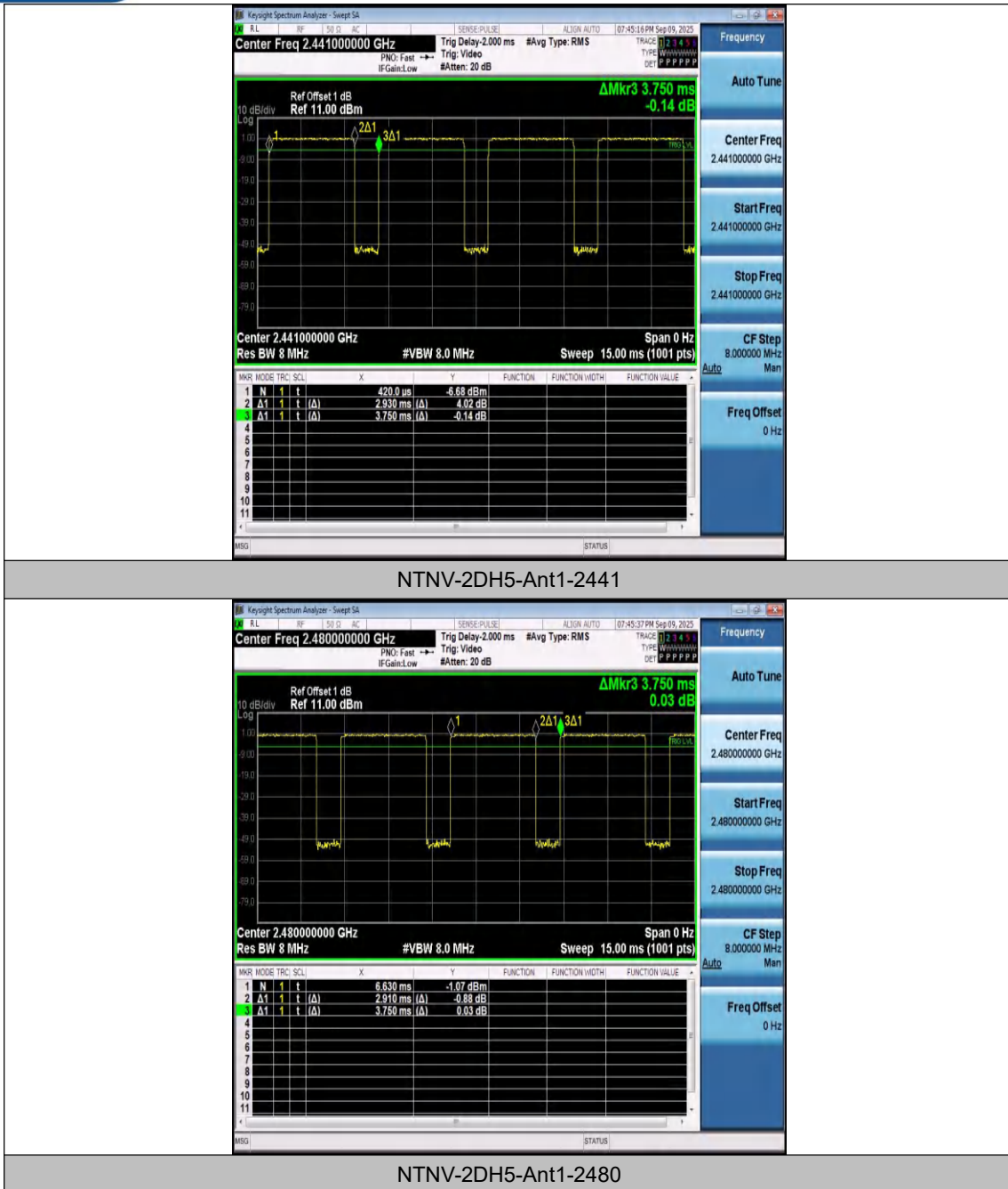


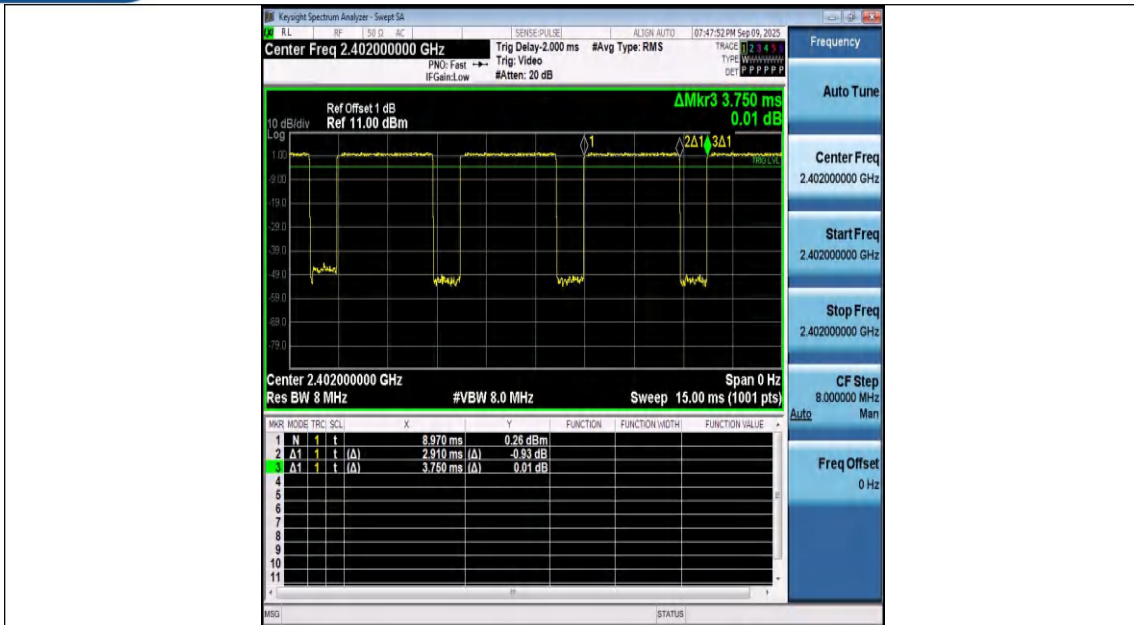
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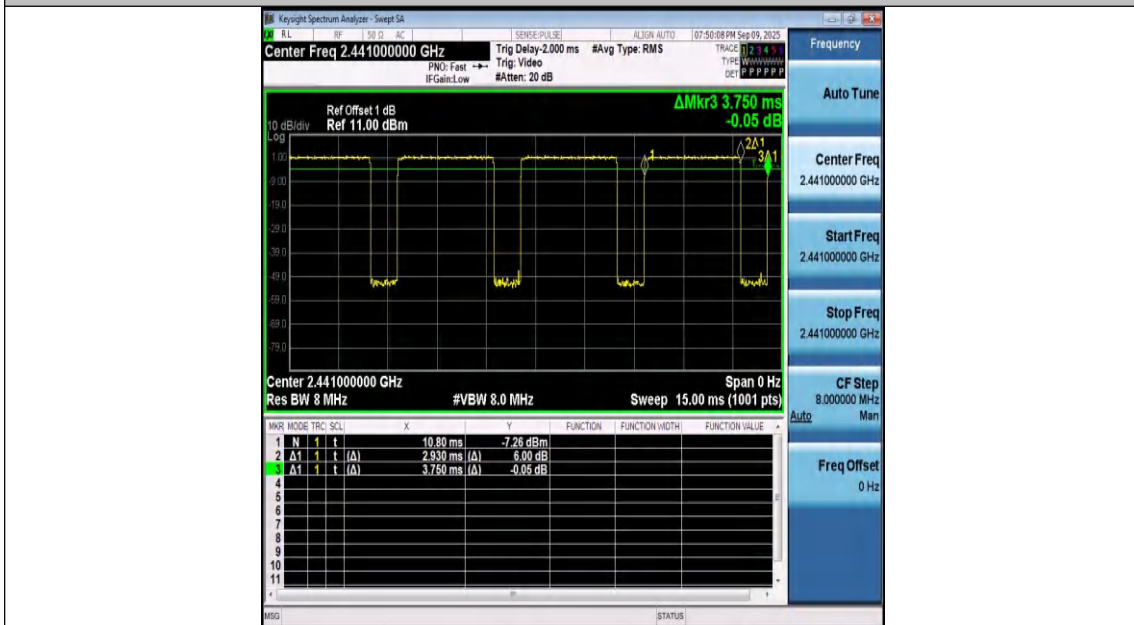
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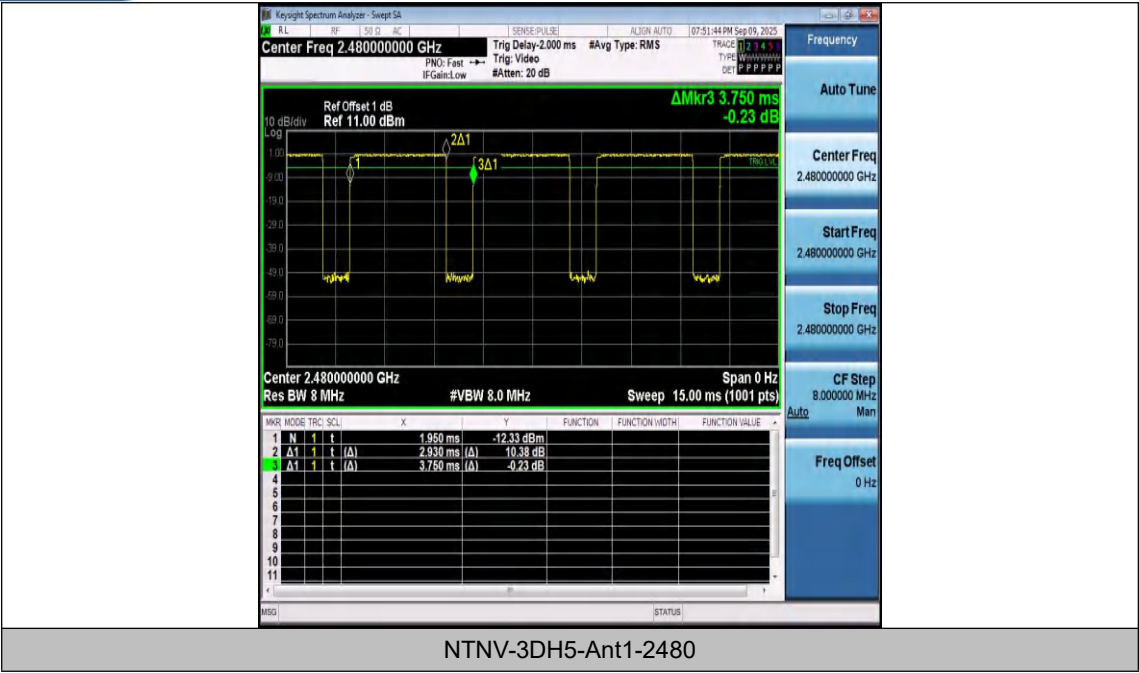




NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



---End---