

Appendix Test Data

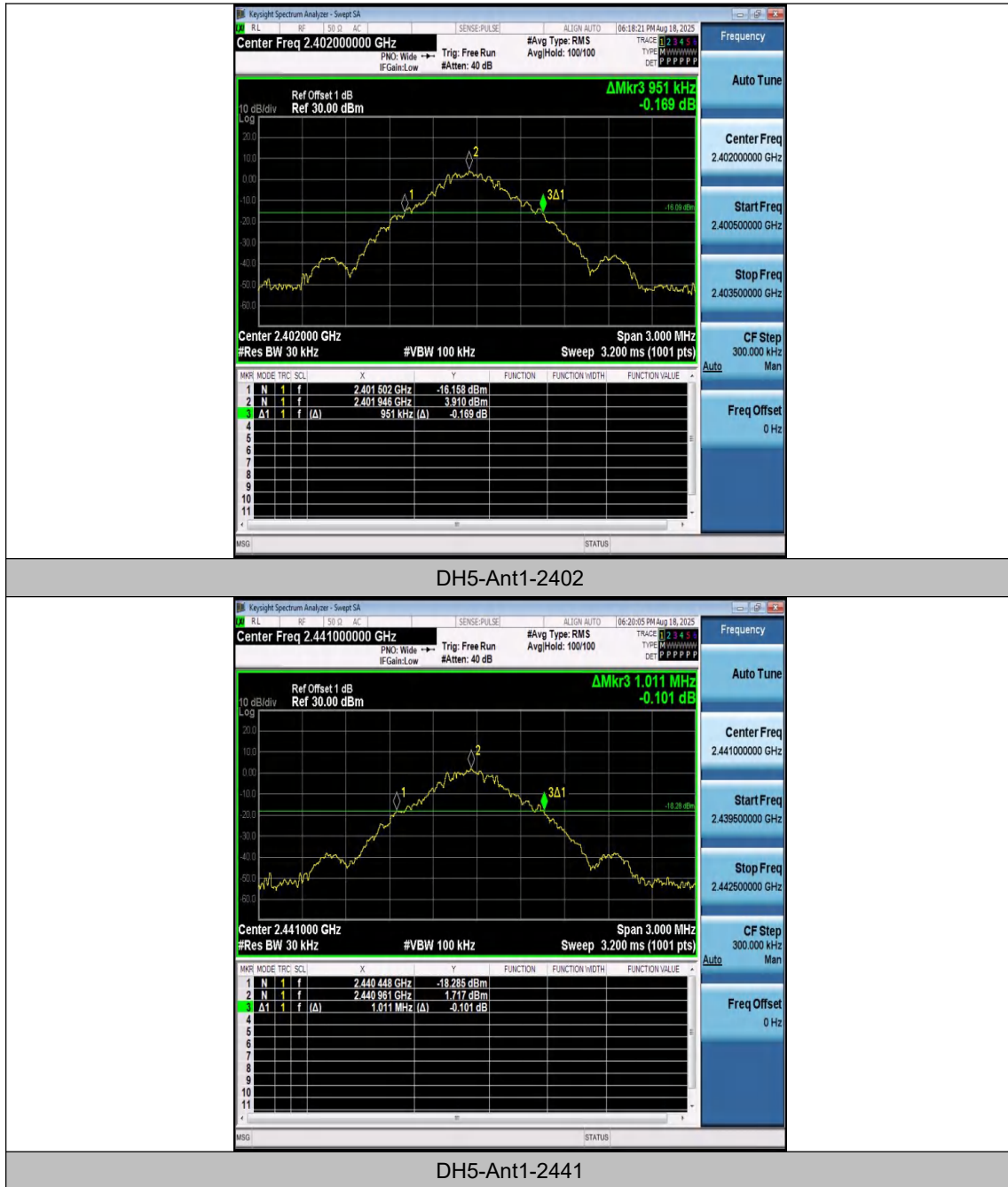
Report No.:	1819C50089812501	Test Sample No.:	1-2-2
Start Test Date:	2025-08-18	Finish Test Date:	2025-08-18
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	Relative Humidity:	55%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.502	2402.453	---	---
DH5	Ant1	2441	1.011	2440.448	2441.459	---	---
DH5	Ant1	2480	0.972	2479.493	2480.465	---	---
2DH5	Ant1	2402	1.320	2401.301	2402.621	---	---
2DH5	Ant1	2441	1.359	2440.286	2441.645	---	---
2DH5	Ant1	2480	1.293	2479.331	2480.624	---	---
3DH5	Ant1	2402	1.293	2401.310	2402.603	---	---
3DH5	Ant1	2441	1.290	2440.316	2441.606	---	---
3DH5	Ant1	2480	1.314	2479.313	2480.627	---	---

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	0.86895	2401.5265	2402.3955	---	---
DH5	Ant1	2441	0.88495	2440.5204	2441.4053	---	---
DH5	Ant1	2480	0.90050	2479.5150	2480.4155	---	---
2DH5	Ant1	2402	1.1881	2401.3693	2402.5574	---	---
2DH5	Ant1	2441	1.2023	2440.3641	2441.5664	---	---
2DH5	Ant1	2480	1.2028	2479.3664	2480.5692	---	---
3DH5	Ant1	2402	1.2125	2401.3521	2402.5646	---	---
3DH5	Ant1	2441	1.2174	2440.3513	2441.5687	---	---
3DH5	Ant1	2480	1.2173	2479.3512	2480.5685	---	---

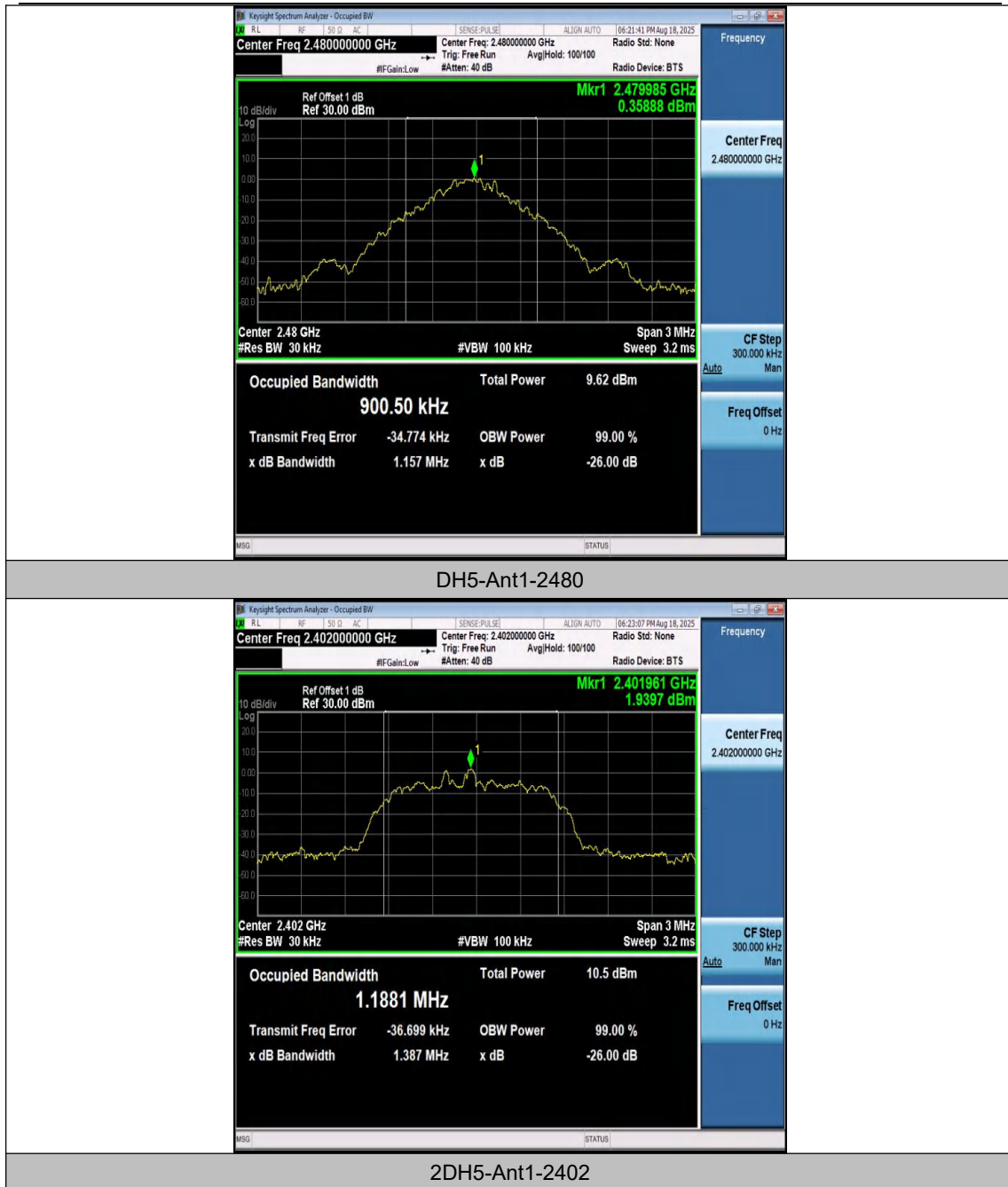
Test Graphs



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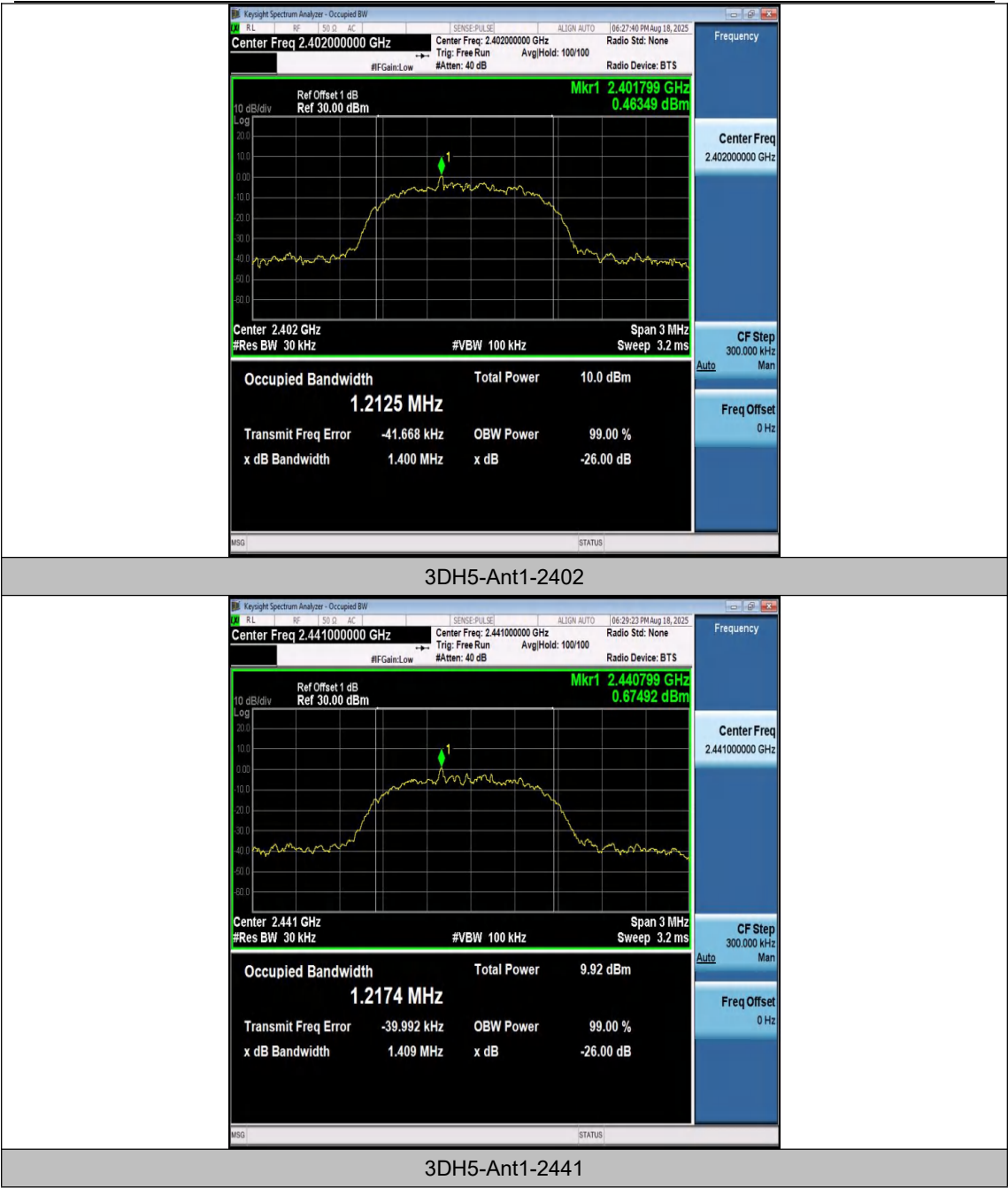


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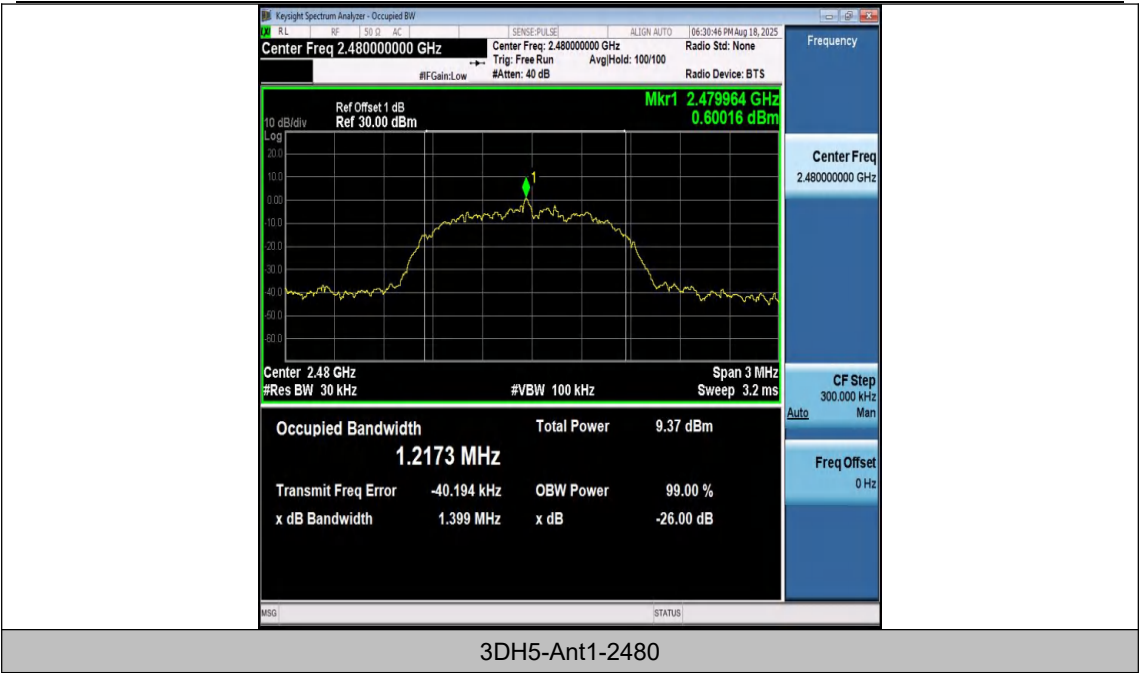




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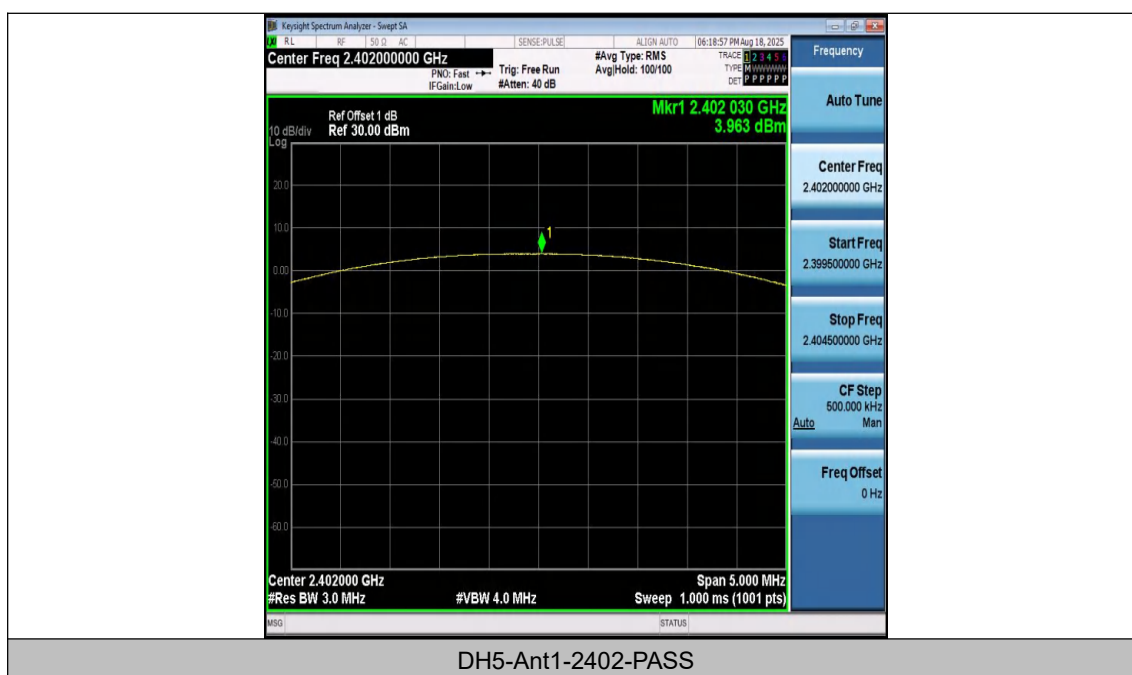
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.96	≤20.97	PASS
DH5	Ant1	2441	3.91	≤20.97	PASS
DH5	Ant1	2480	3.22	≤20.97	PASS
2DH5	Ant1	2402	4.91	≤20.97	PASS
2DH5	Ant1	2441	4.42	≤20.97	PASS
2DH5	Ant1	2480	3.71	≤20.97	PASS
3DH5	Ant1	2402	5.20	≤20.97	PASS
3DH5	Ant1	2441	5.04	≤20.97	PASS
3DH5	Ant1	2480	4.27	≤20.97	PASS

Test Graphs

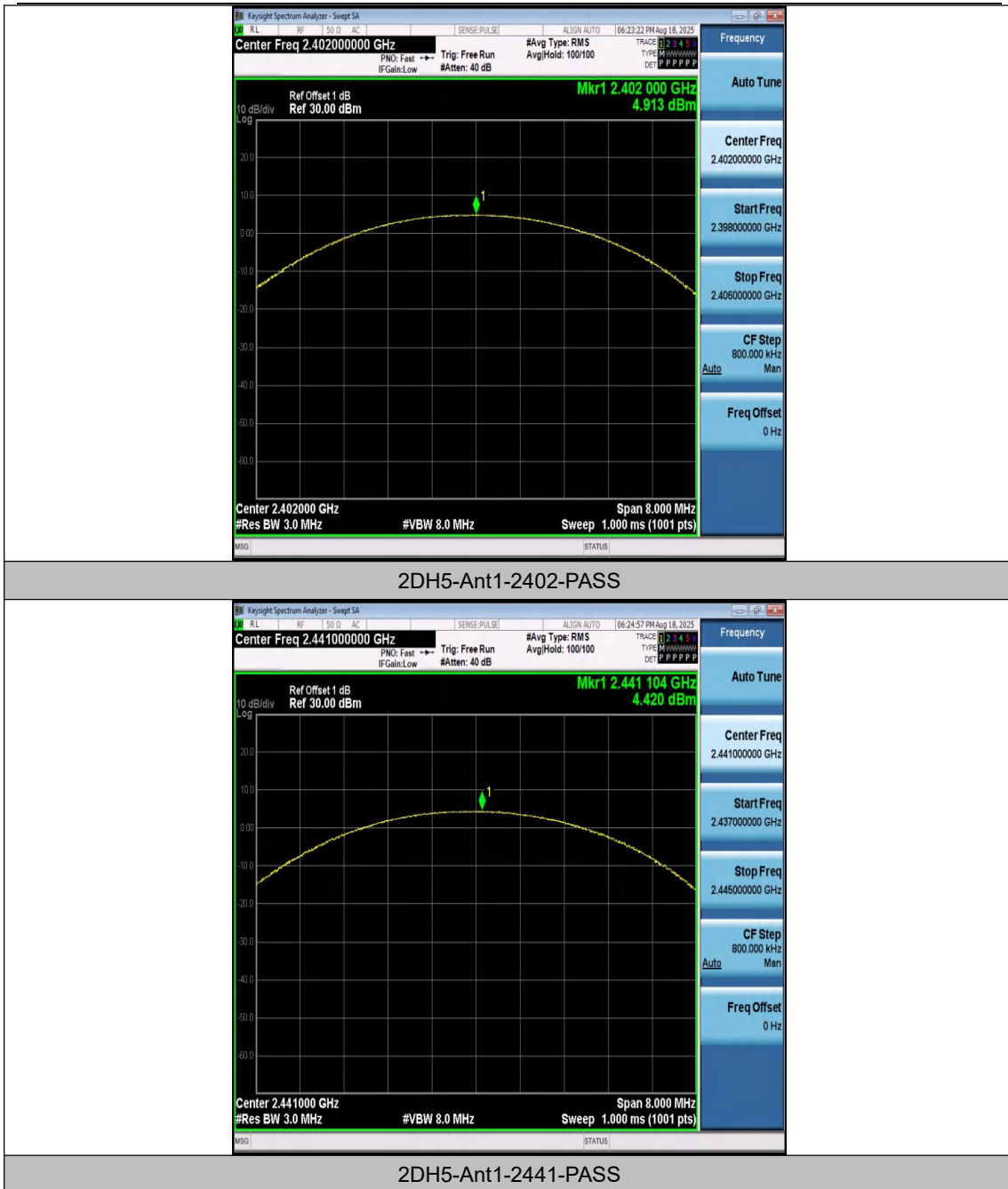




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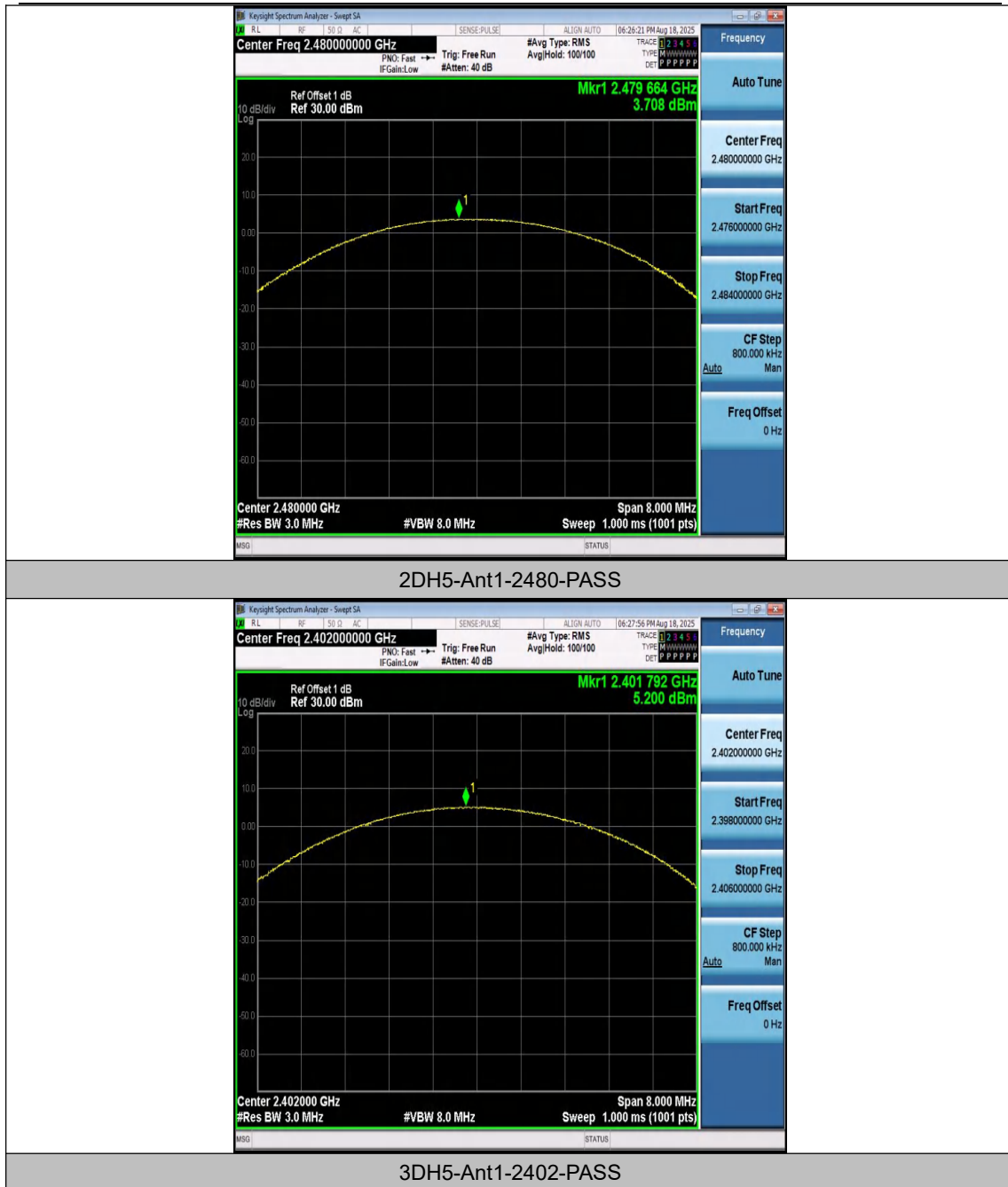
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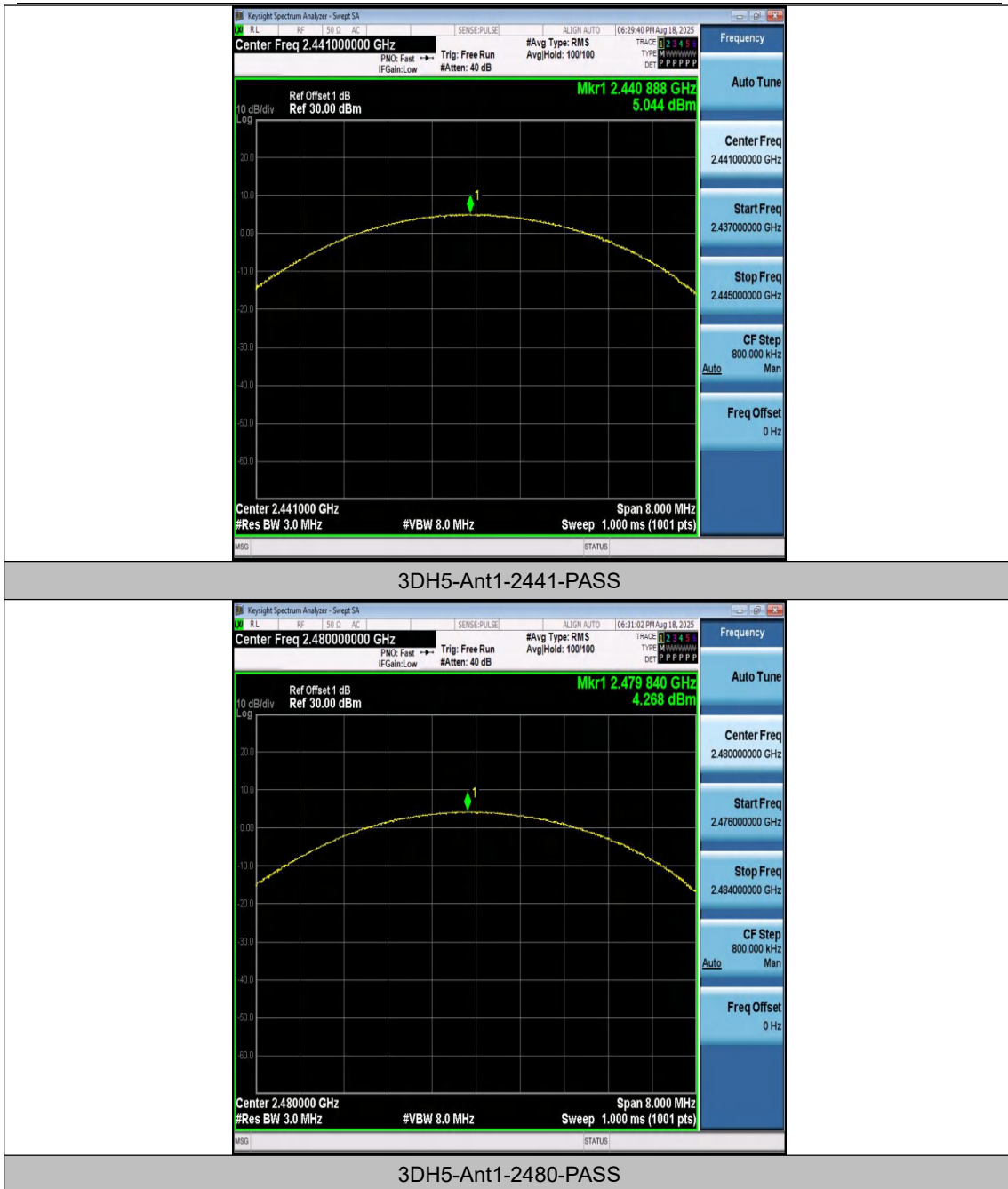
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.022	≥ 0.674	PASS
2DH5	Ant1	Hop	1.264	≥ 0.906	PASS
3DH5	Ant1	Hop	0.996	≥ 0.876	PASS

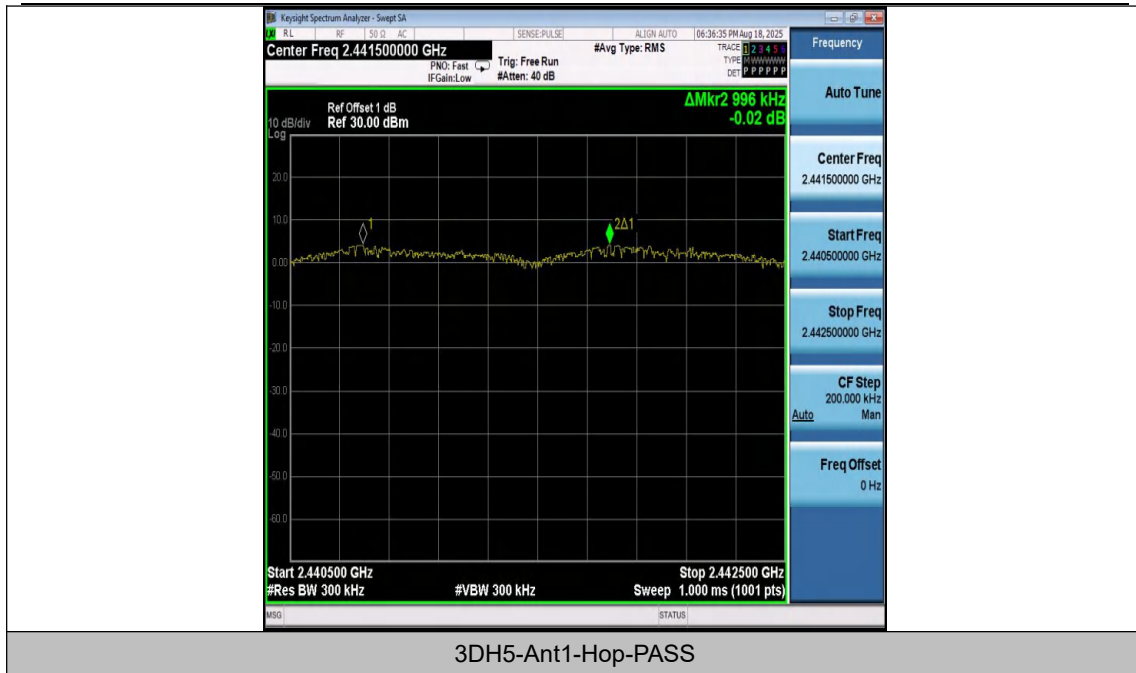
Test Graphs



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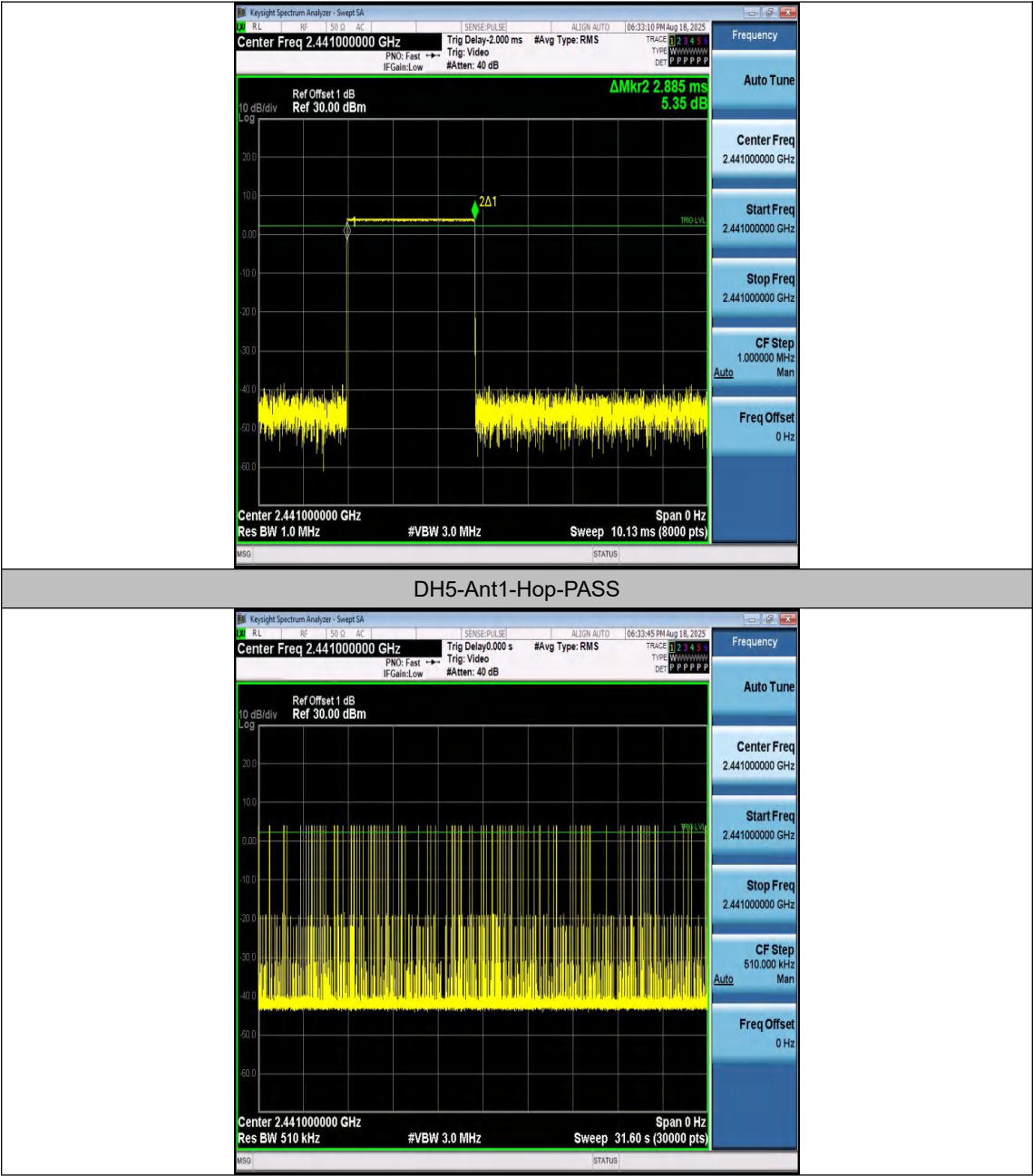
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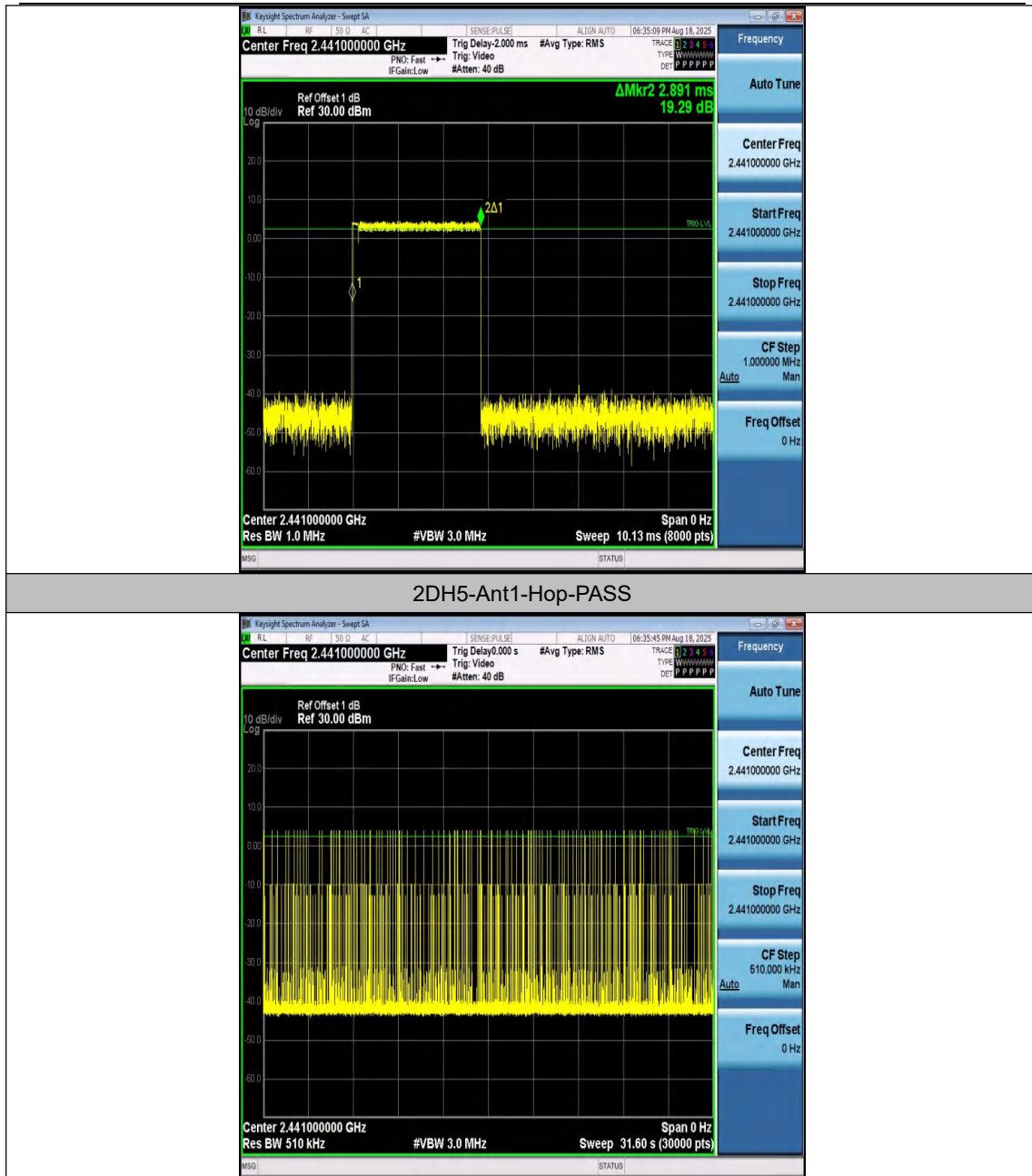
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	104	0.3	≤0.4	PASS
2DH5	Ant1	Hop	2.891	121	0.35	≤0.4	PASS
3DH5	Ant1	Hop	2.893	113	0.327	≤0.4	PASS

Test Graphs

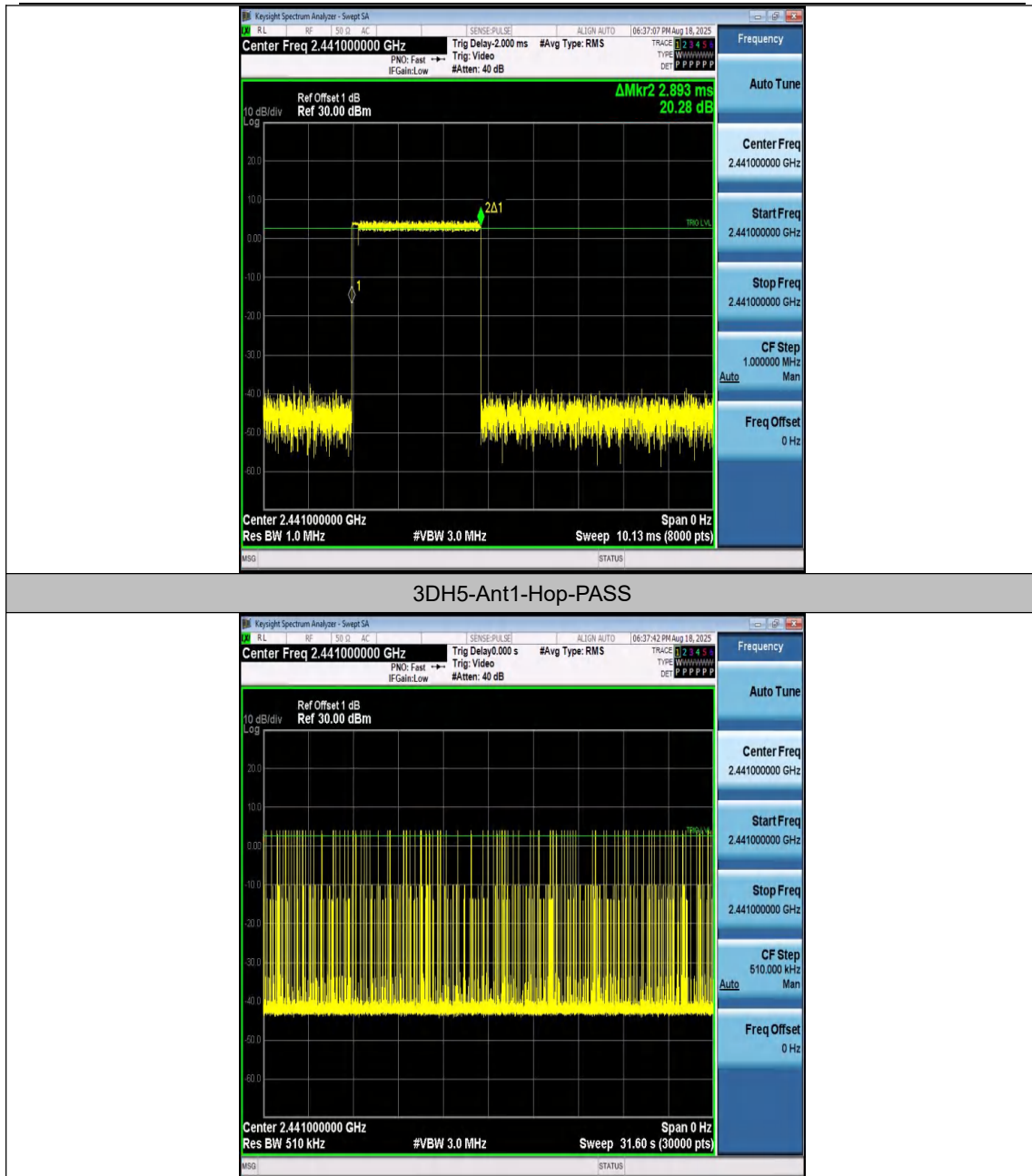




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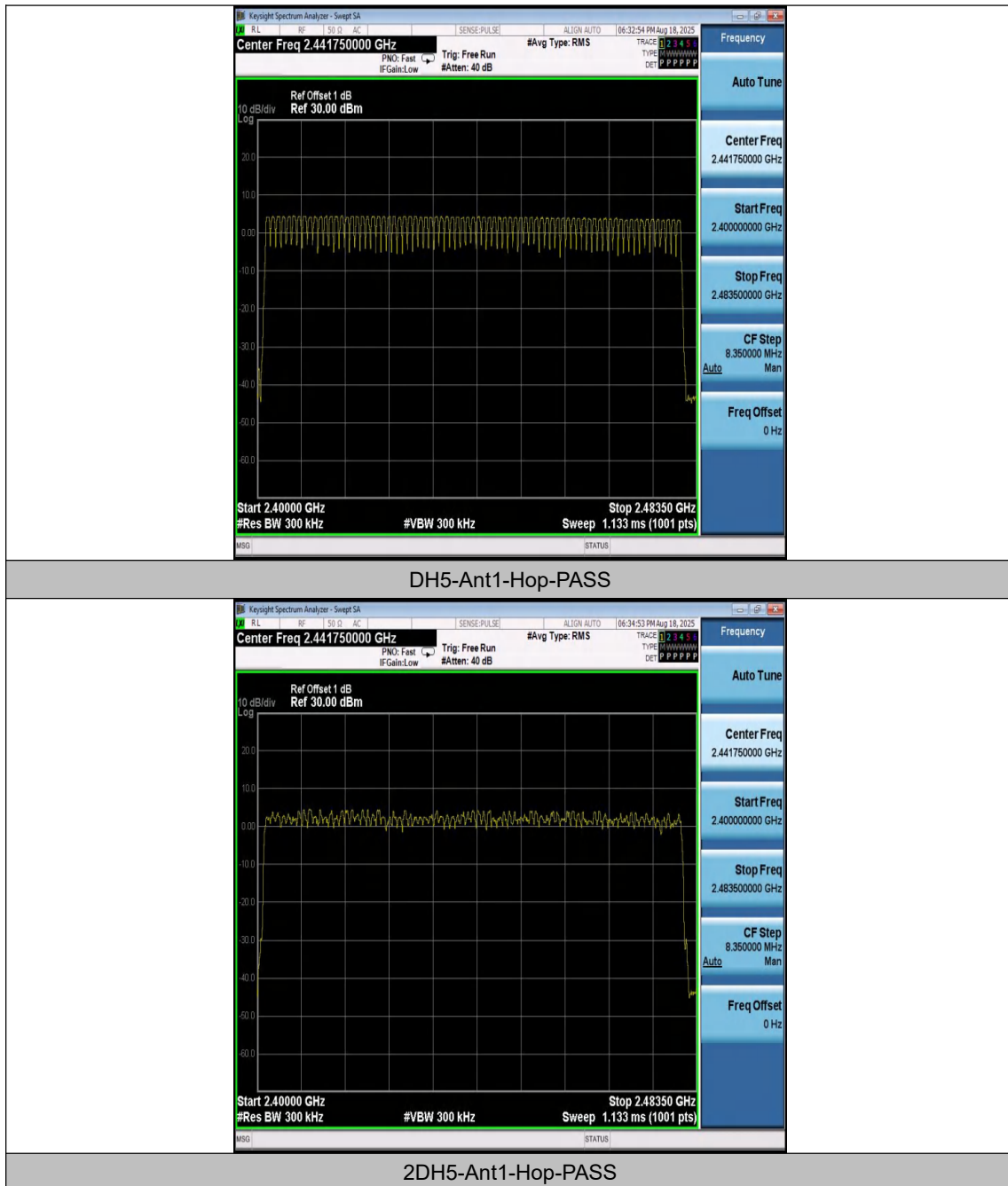
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Appendix F: Number of Hopping Channel

Test Result

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

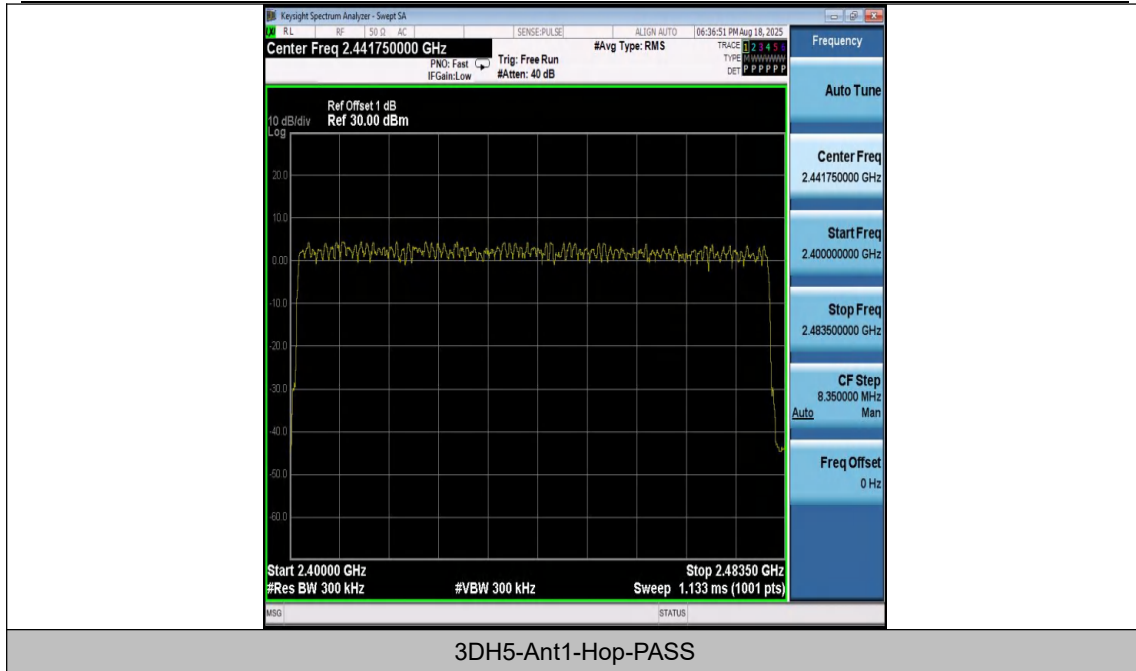
Test Graphs



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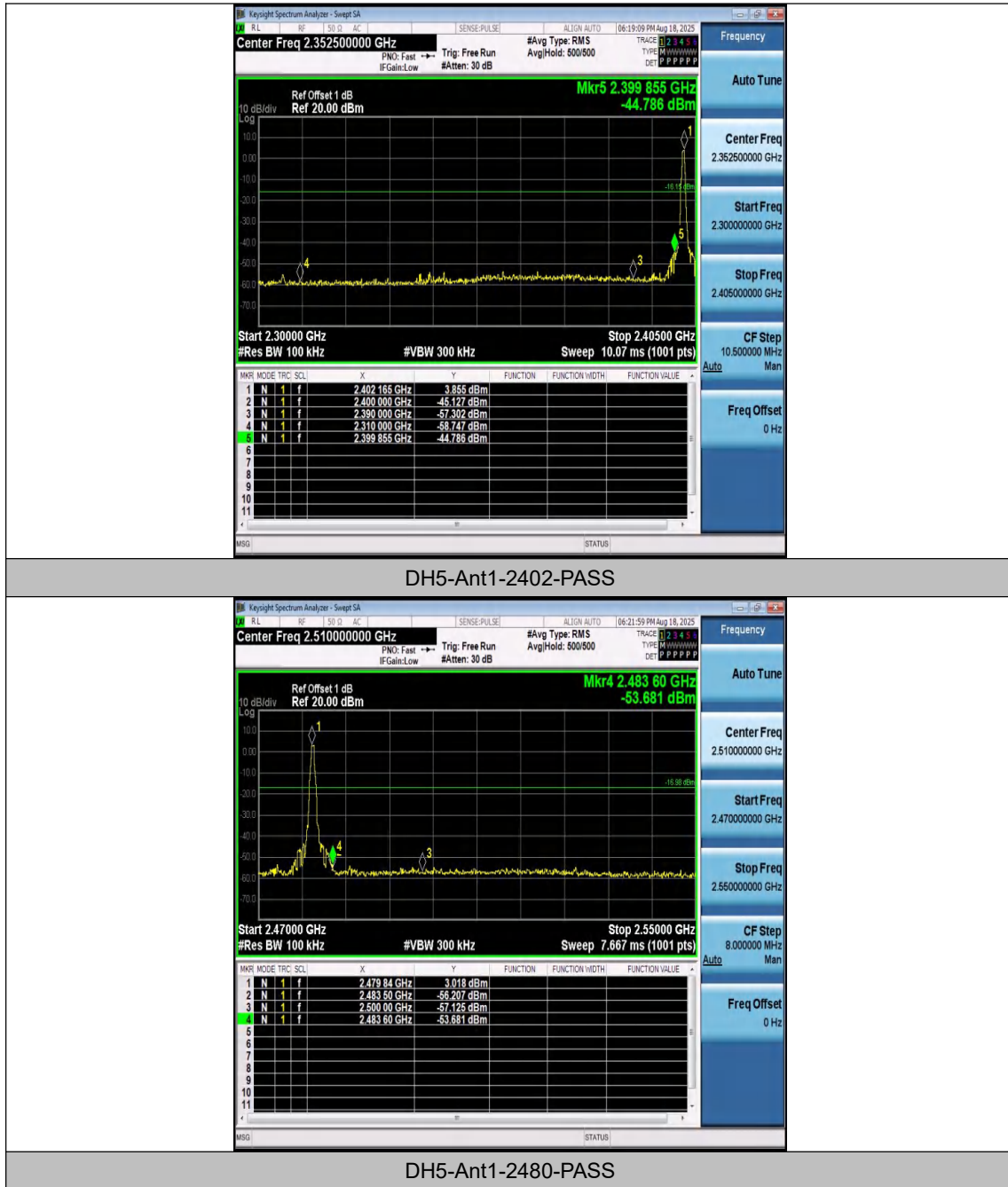
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.86	-44.79	≤-16.15	PASS
DH5	Ant1	High	2480	3.02	-53.68	≤-16.98	PASS
DH5	Ant1	Low	Hop_2402	3.61	-49.91	≤-16.39	PASS
DH5	Ant1	High	Hop_2480	3.34	-54.32	≤-16.66	PASS
2DH5	Ant1	Low	2402	3.89	-45.62	≤-16.11	PASS
2DH5	Ant1	High	2480	2.65	-53.11	≤-17.35	PASS
2DH5	Ant1	Low	Hop_2402	2.52	-51.69	≤-17.48	PASS
2DH5	Ant1	High	Hop_2480	2.19	-54.22	≤-17.82	PASS
3DH5	Ant1	Low	2402	3.78	-47.17	≤-16.23	PASS
3DH5	Ant1	High	2480	3.18	-54.17	≤-16.83	PASS
3DH5	Ant1	Low	Hop_2402	0.77	-53.64	≤-19.23	PASS
3DH5	Ant1	High	Hop_2480	2.99	-54.37	≤-17.01	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.

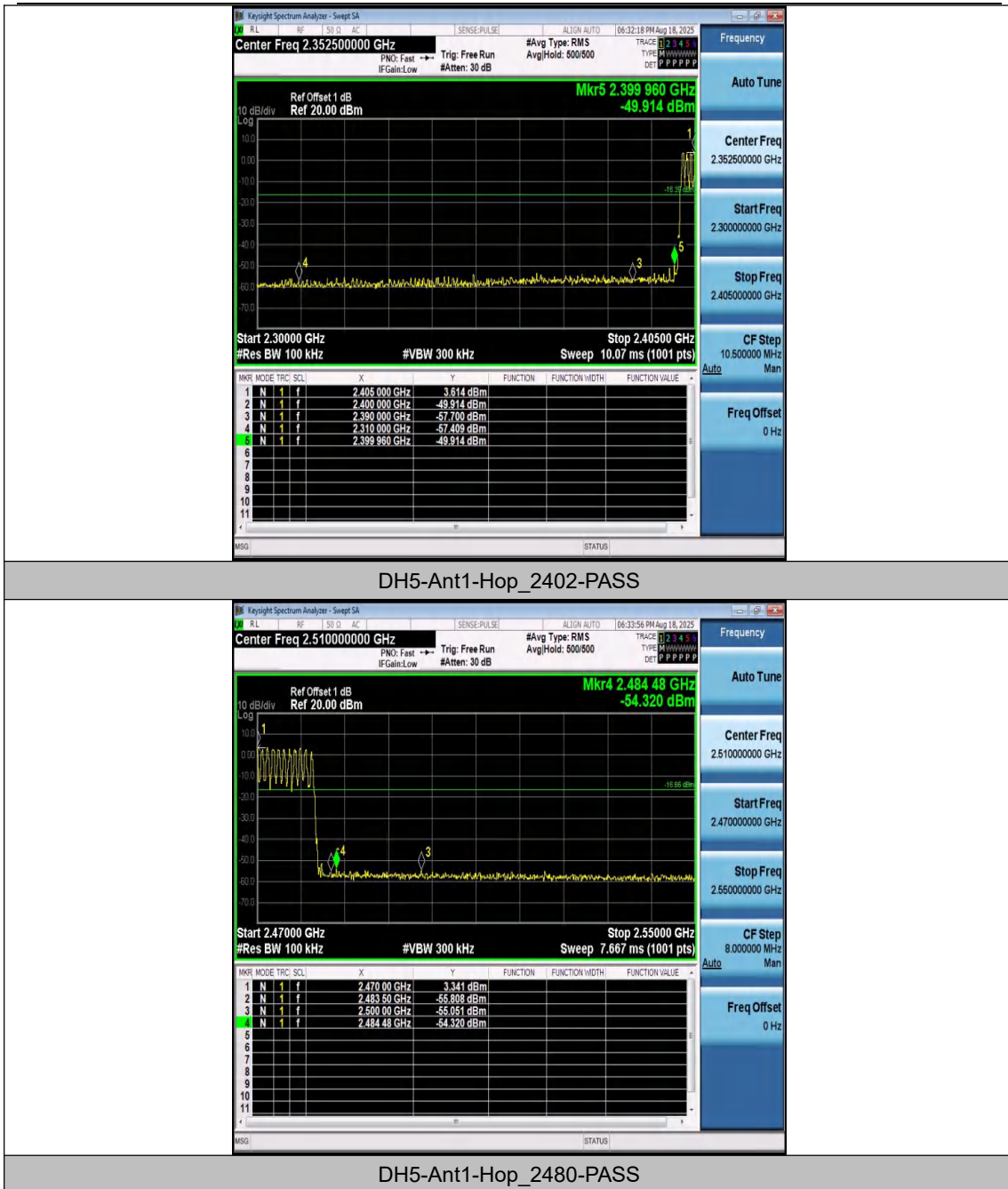
Test Graphs



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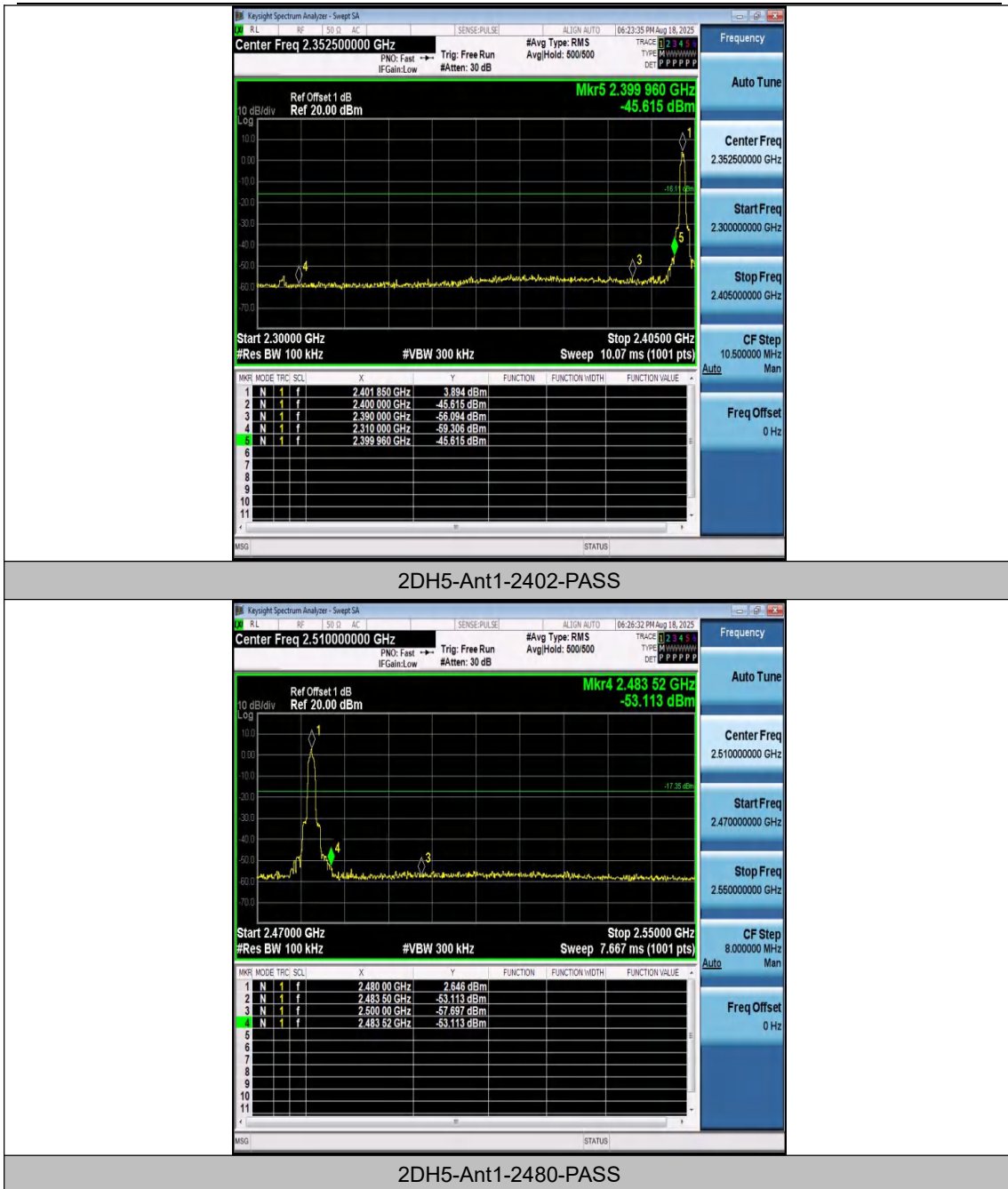
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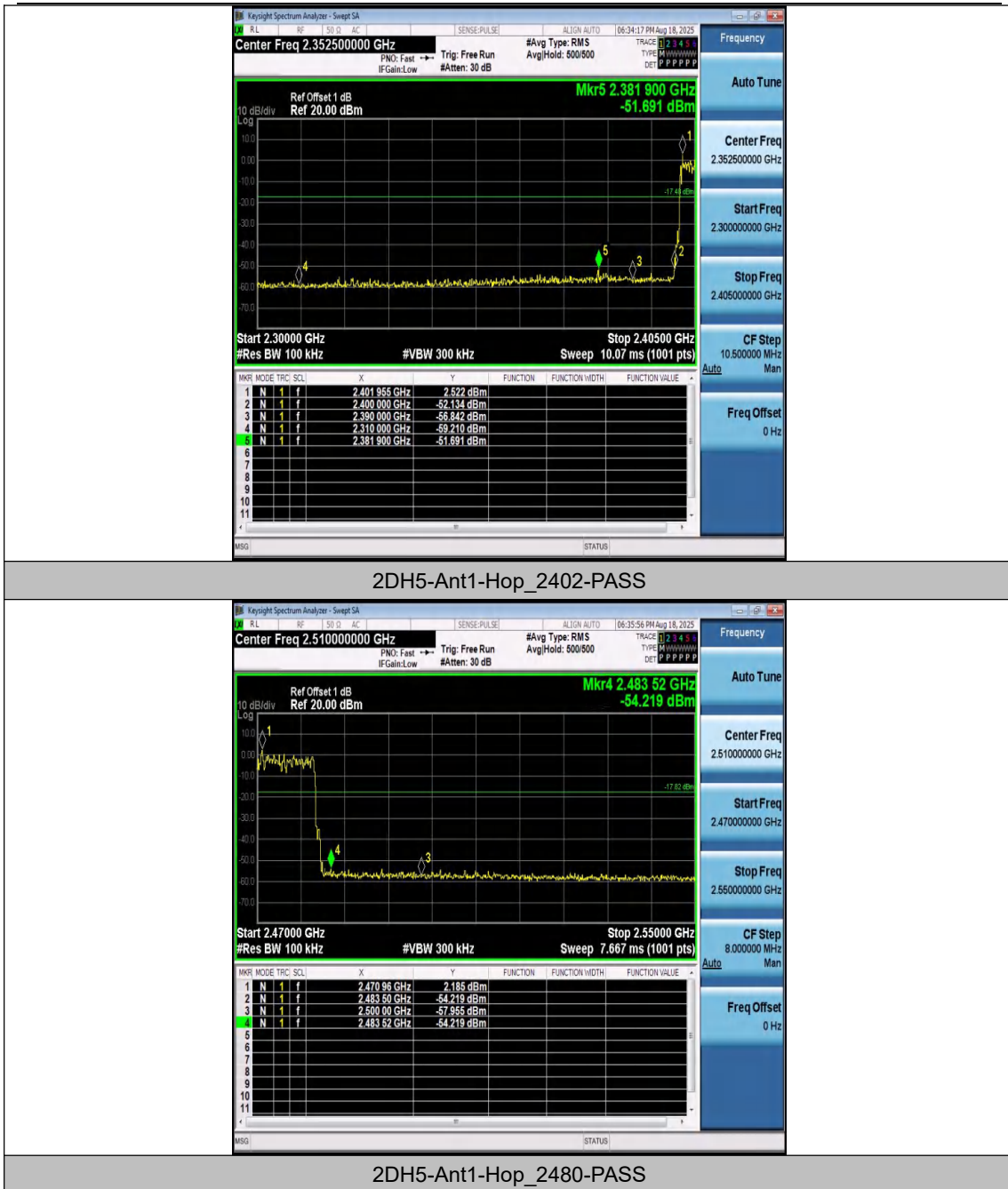


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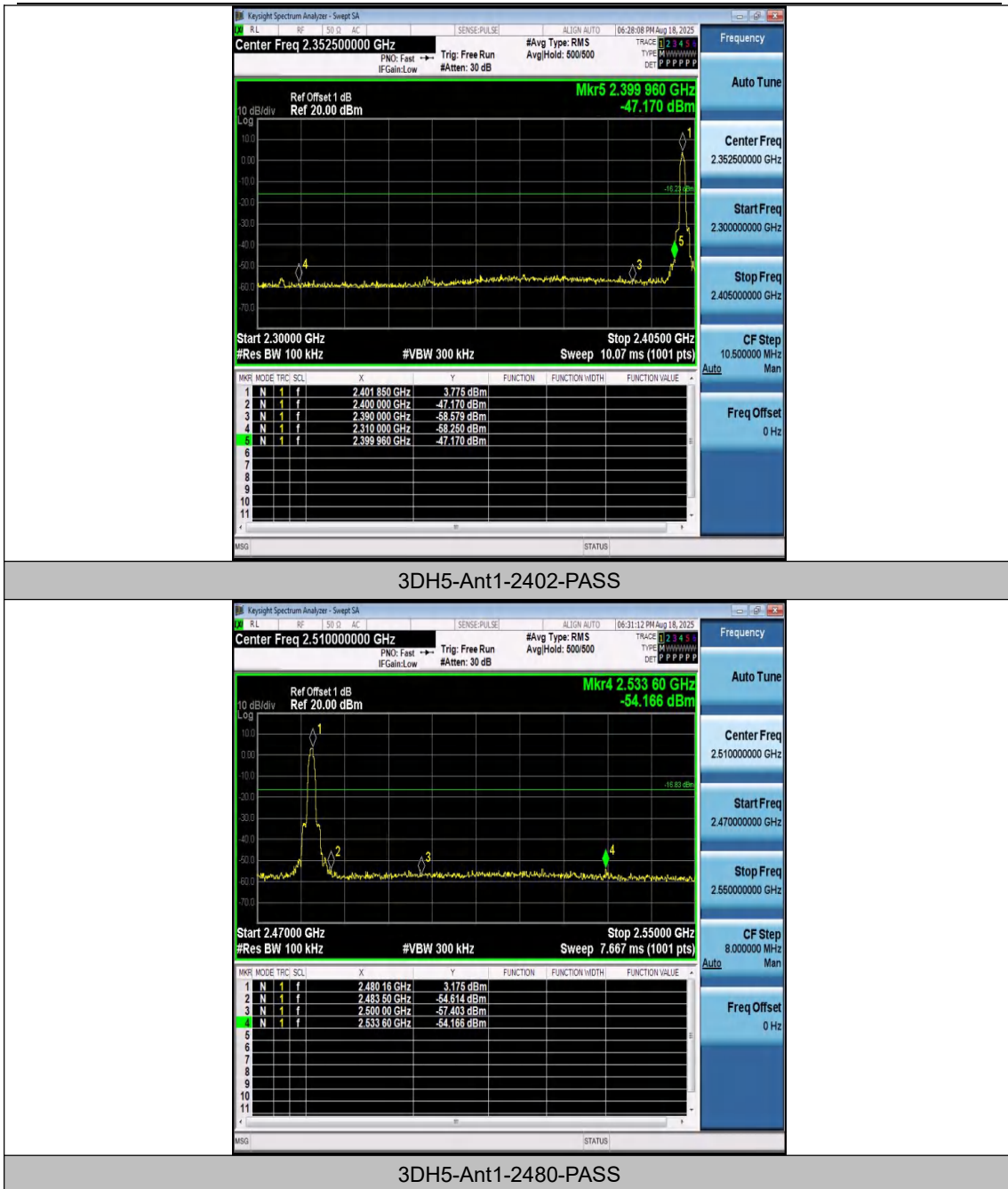


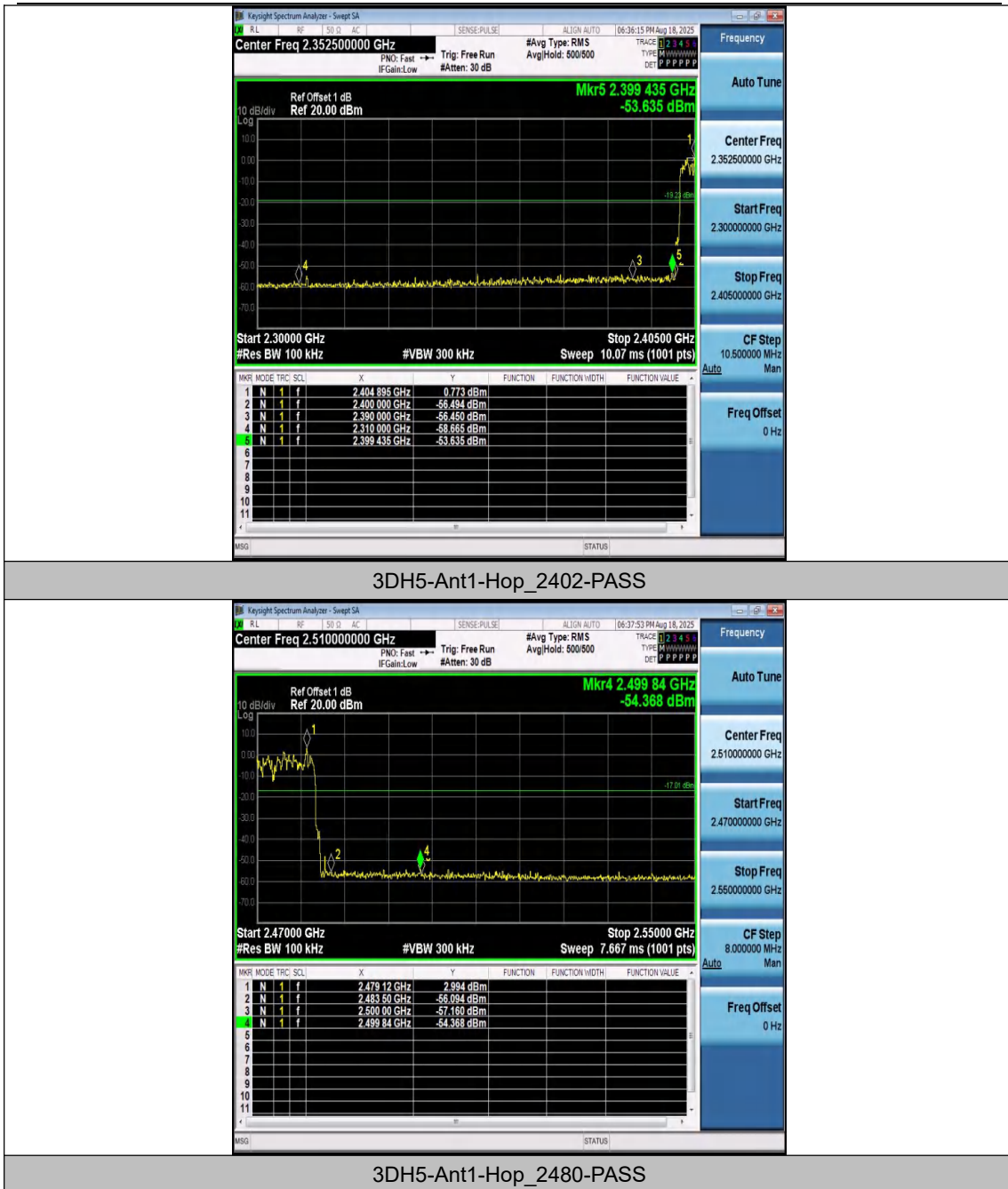


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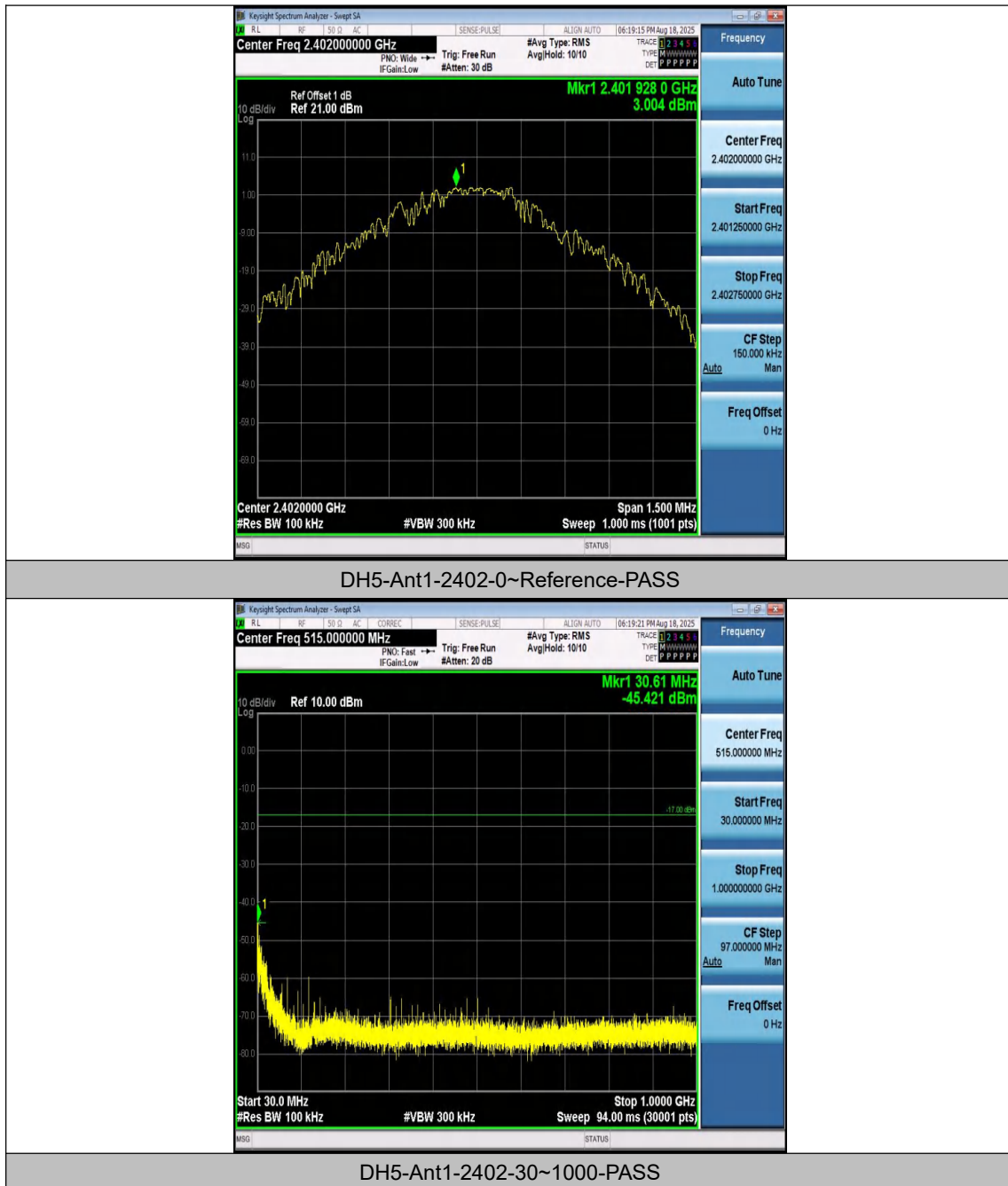
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	3.00	3.00	---	PASS
DH5	Ant1	2402	30~1000	3.00	-45.42	≤-17	PASS
DH5	Ant1	2402	1000~26500	3.00	-39.95	≤-17	PASS
DH5	Ant1	2441	0~Reference	3.10	3.10	---	PASS
DH5	Ant1	2441	30~1000	3.10	-46.32	≤-16.9	PASS
DH5	Ant1	2441	1000~26500	3.10	-39.56	≤-16.9	PASS
DH5	Ant1	2480	0~Reference	2.39	2.39	---	PASS
DH5	Ant1	2480	30~1000	2.39	-57.96	≤-17.61	PASS
DH5	Ant1	2480	1000~26500	2.39	-37.89	≤-17.61	PASS
2DH5	Ant1	2402	0~Reference	2.21	2.21	---	PASS
2DH5	Ant1	2402	30~1000	2.21	-44.82	≤-17.79	PASS
2DH5	Ant1	2402	1000~26500	2.21	-39.95	≤-17.79	PASS
2DH5	Ant1	2441	0~Reference	3.11	3.11	---	PASS
2DH5	Ant1	2441	30~1000	3.11	-47.22	≤-16.89	PASS
2DH5	Ant1	2441	1000~26500	3.11	-39.41	≤-16.89	PASS
2DH5	Ant1	2480	0~Reference	-0.62	-0.62	---	PASS
2DH5	Ant1	2480	30~1000	-0.62	-55.67	≤-20.62	PASS
2DH5	Ant1	2480	1000~26500	-0.62	-37.75	≤-20.62	PASS
3DH5	Ant1	2402	0~Reference	3.43	3.43	---	PASS
3DH5	Ant1	2402	30~1000	3.43	-60.24	≤-16.57	PASS
3DH5	Ant1	2402	1000~26500	3.43	-39.86	≤-16.57	PASS
3DH5	Ant1	2441	0~Reference	0.95	0.95	---	PASS
3DH5	Ant1	2441	30~1000	0.95	-63.36	≤-19.05	PASS
3DH5	Ant1	2441	1000~26500	0.95	-39.44	≤-19.05	PASS
3DH5	Ant1	2480	0~Reference	2.70	2.70	---	PASS
3DH5	Ant1	2480	30~1000	2.70	-61.24	≤-17.3	PASS
3DH5	Ant1	2480	1000~26500	2.70	-37.38	≤-17.3	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.

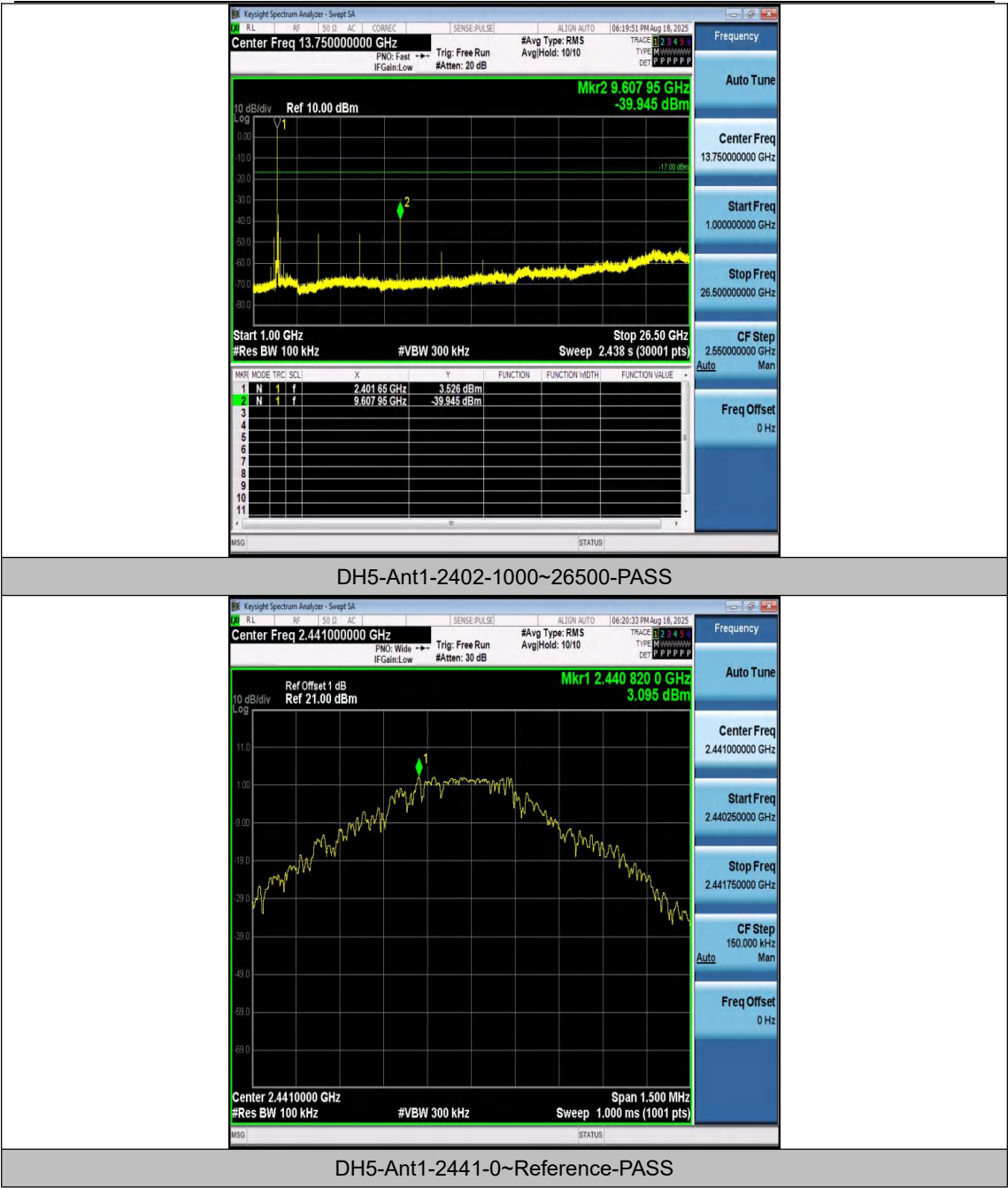
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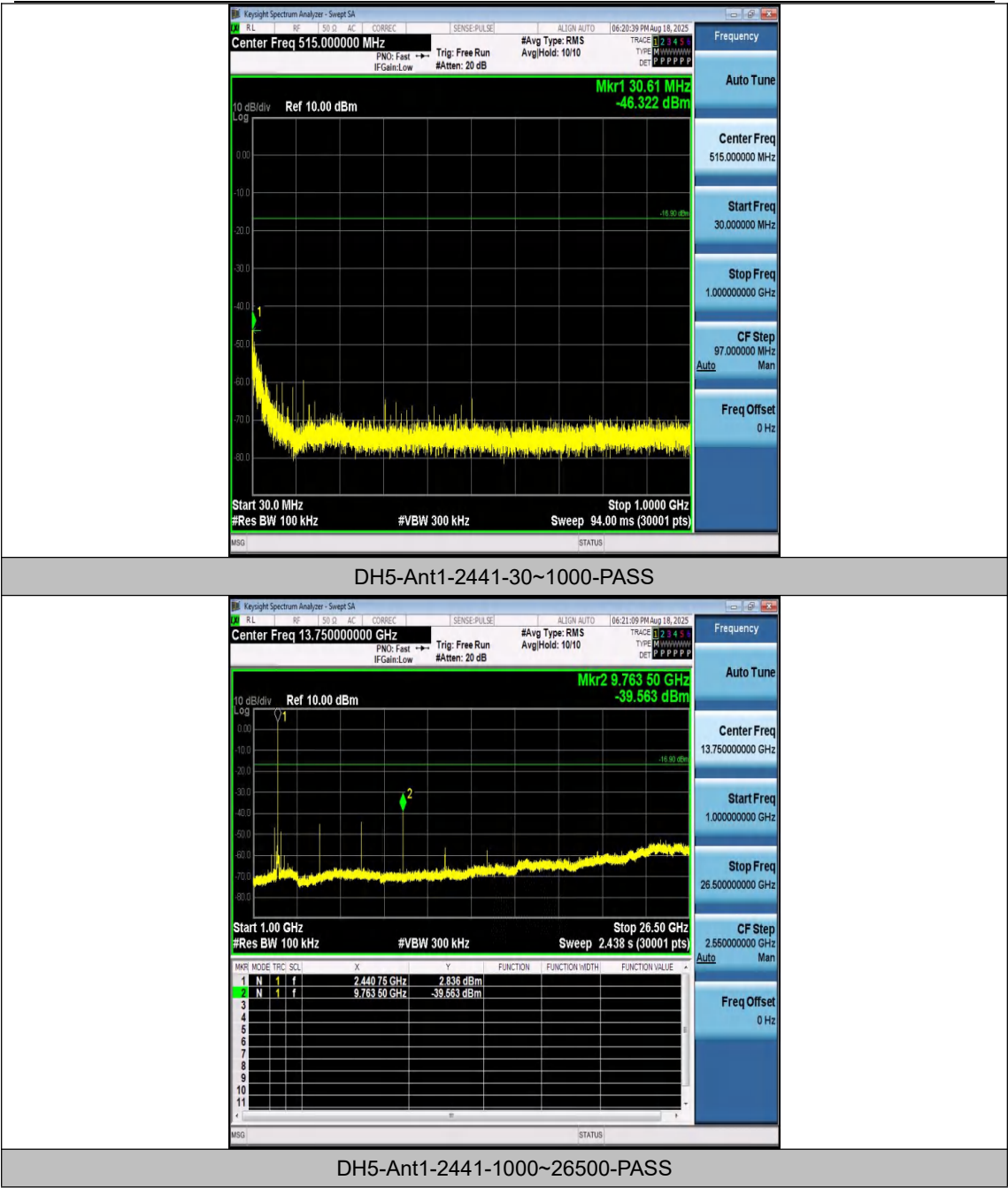


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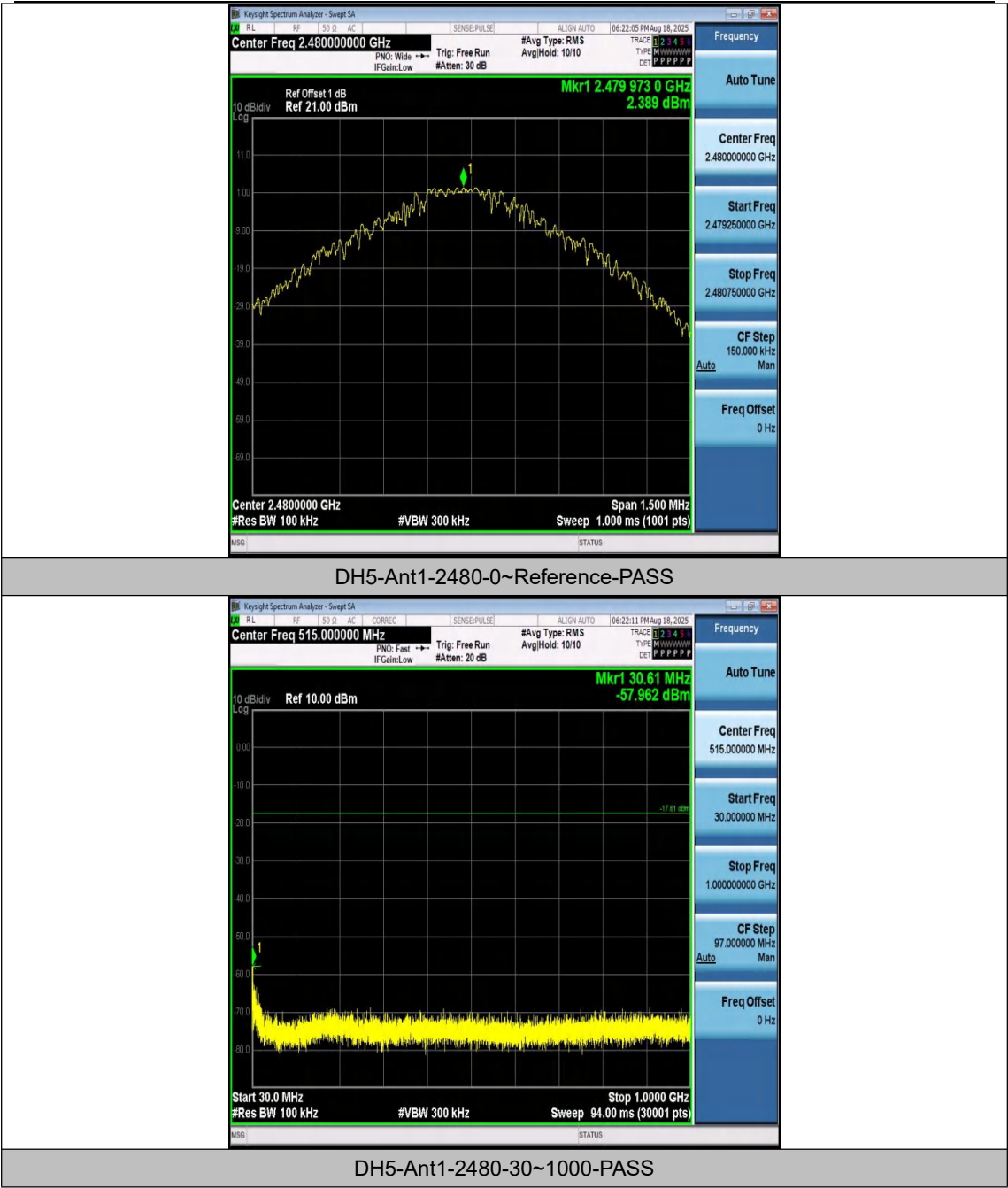
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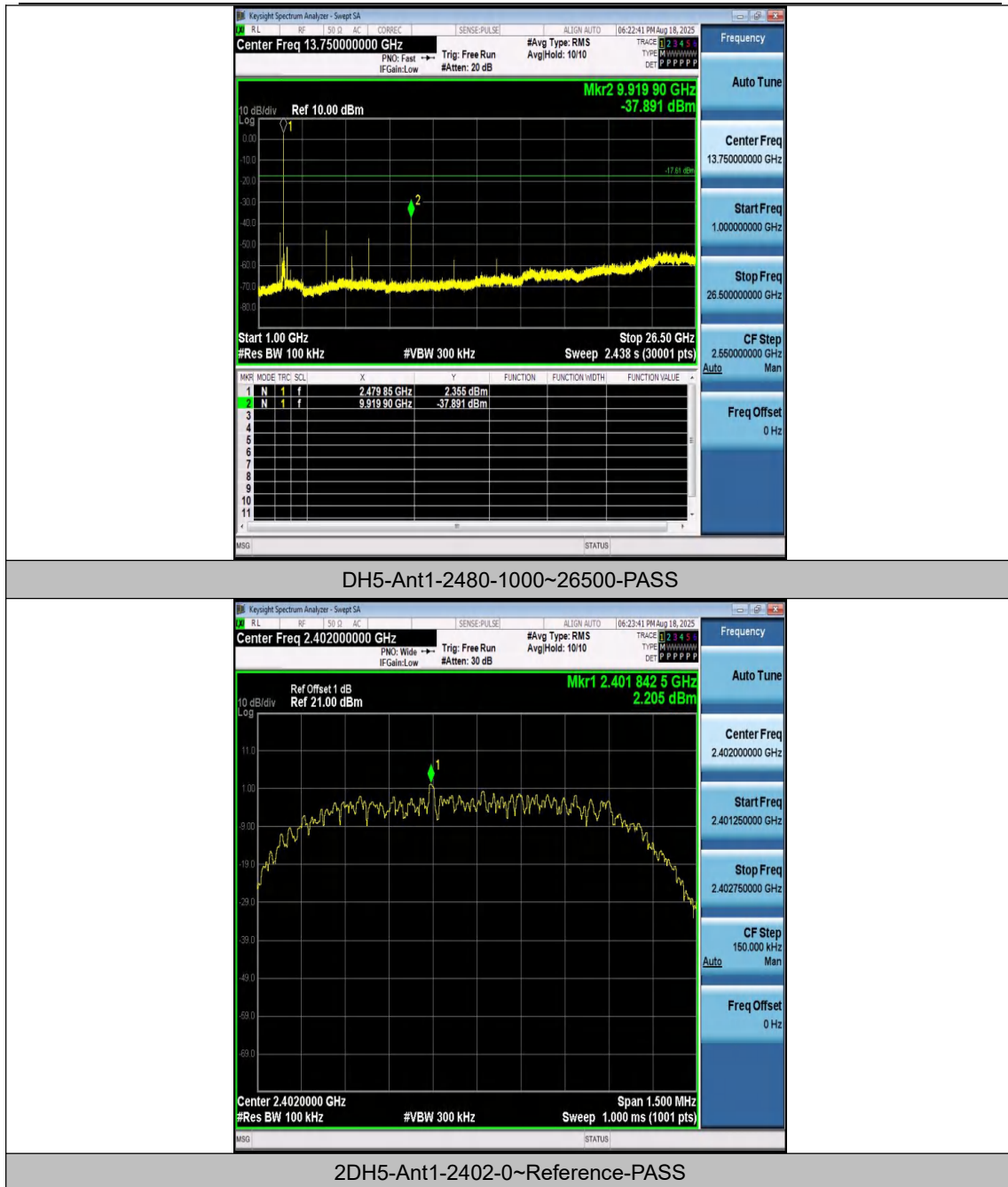
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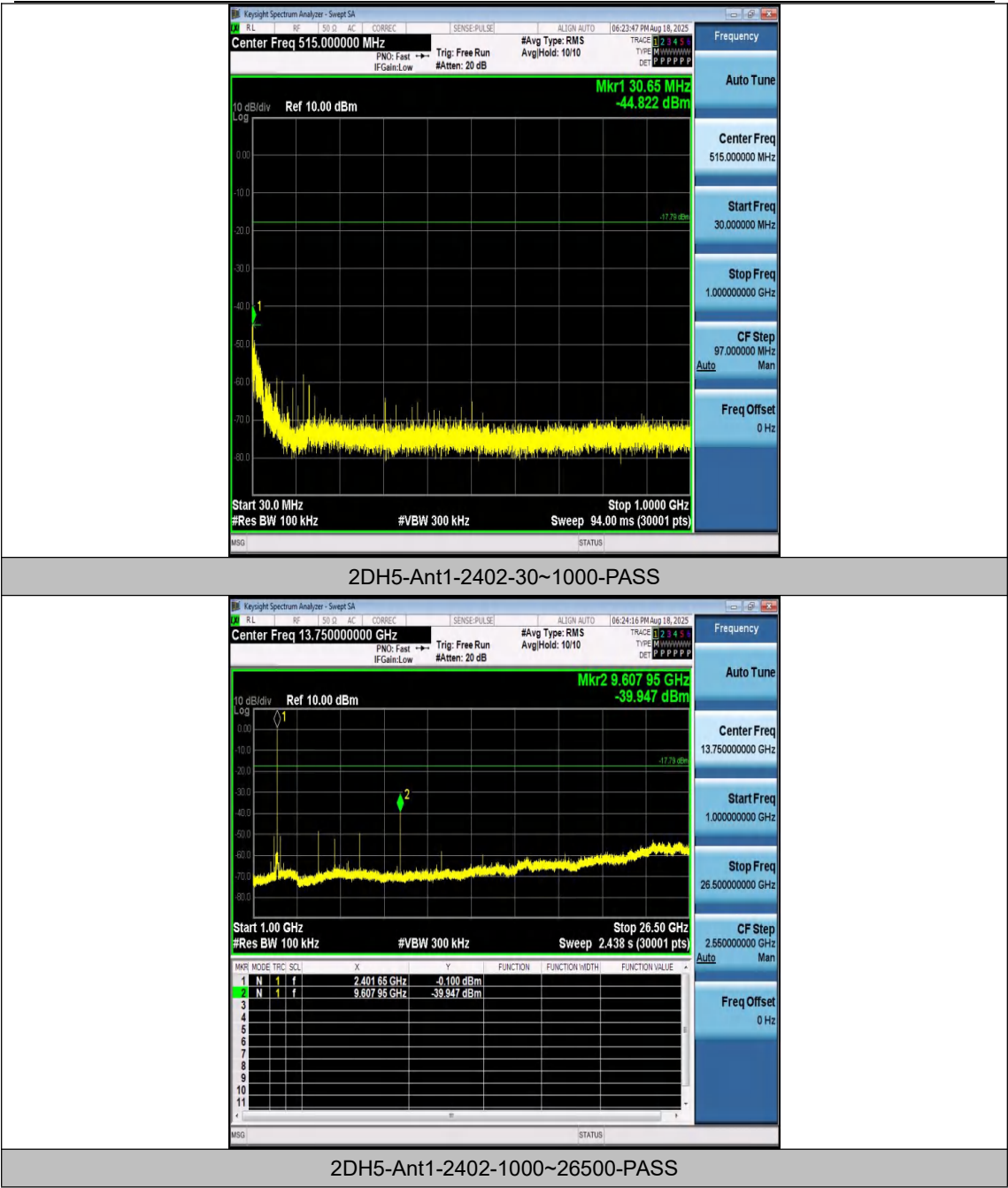
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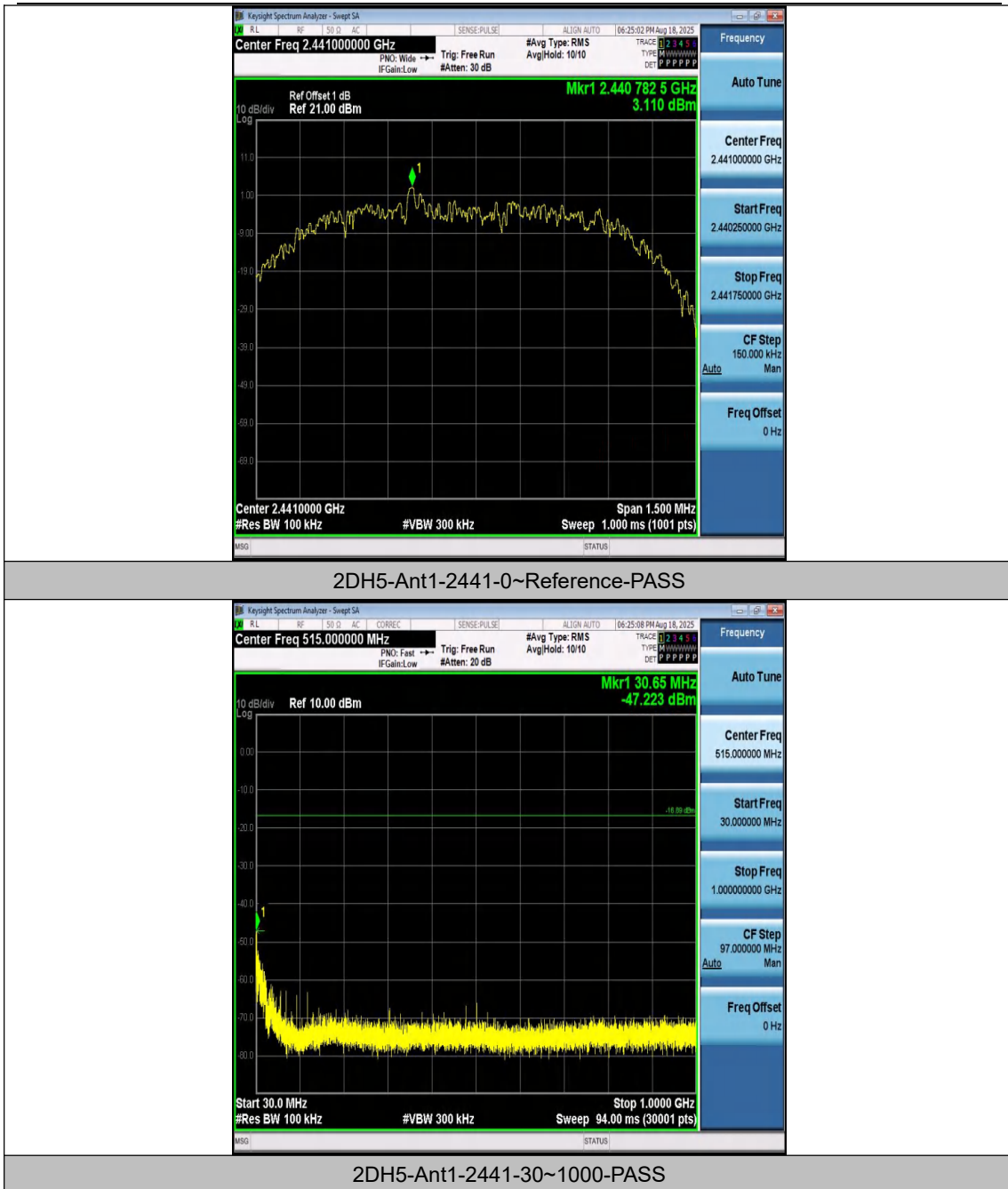
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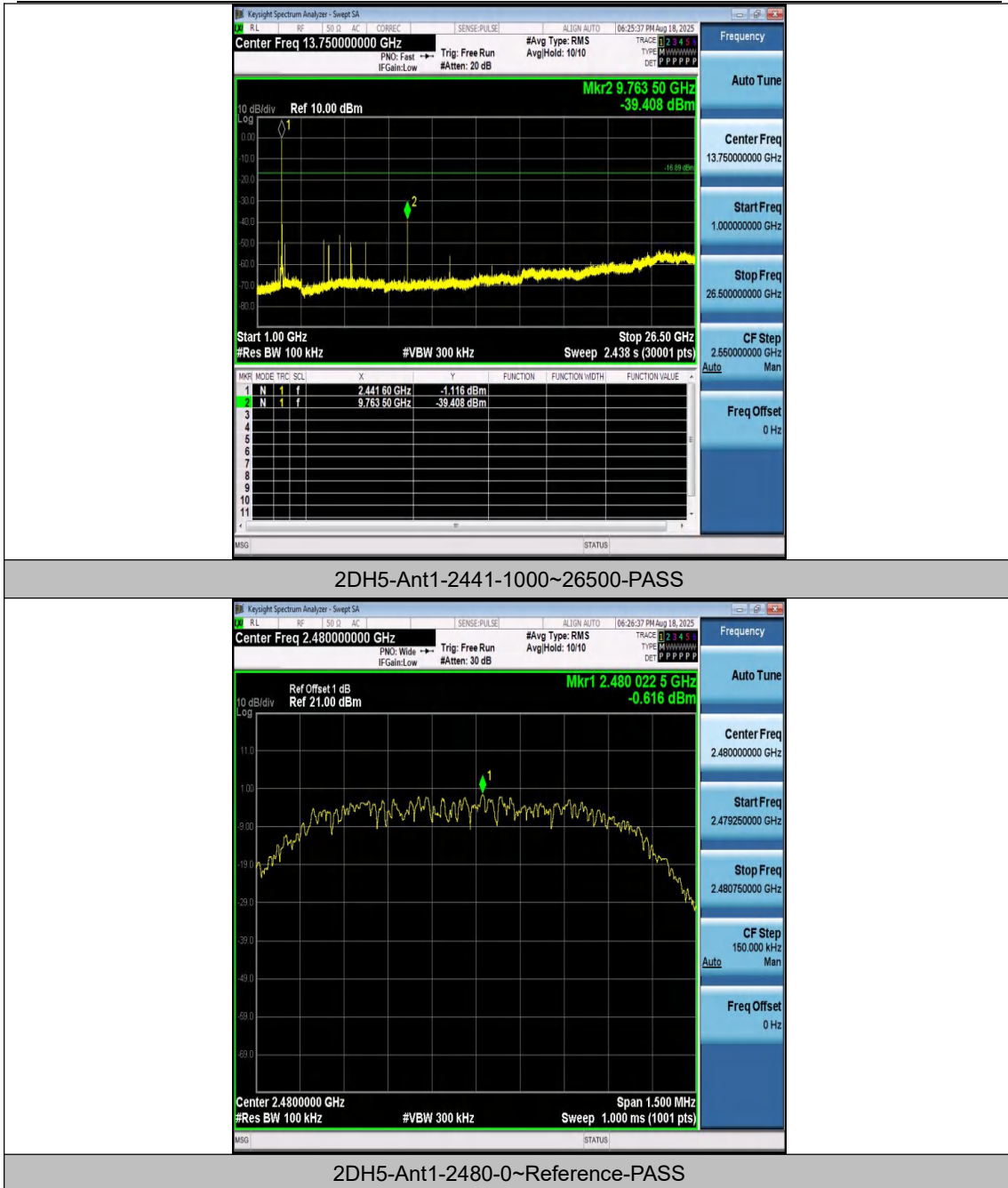
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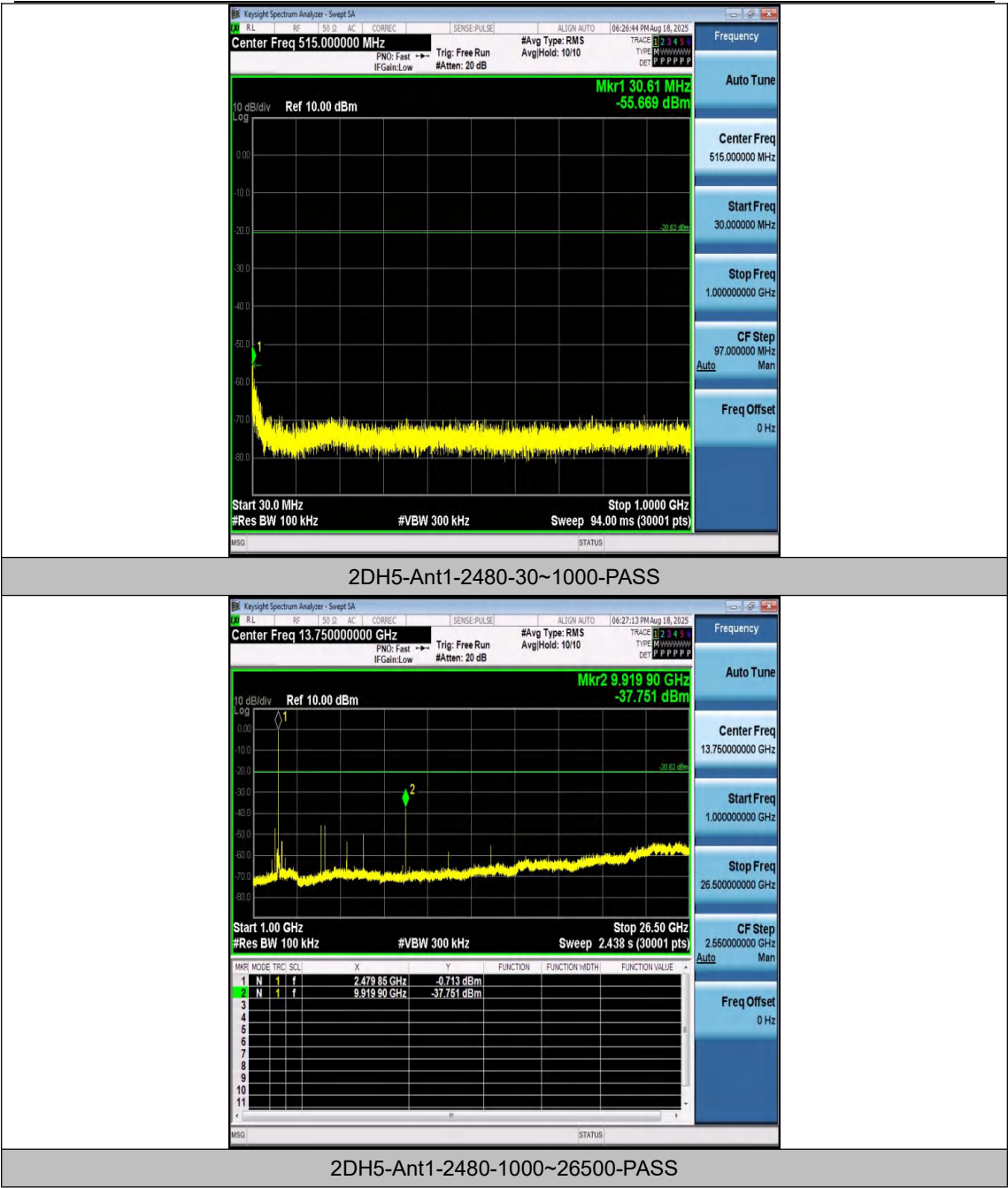
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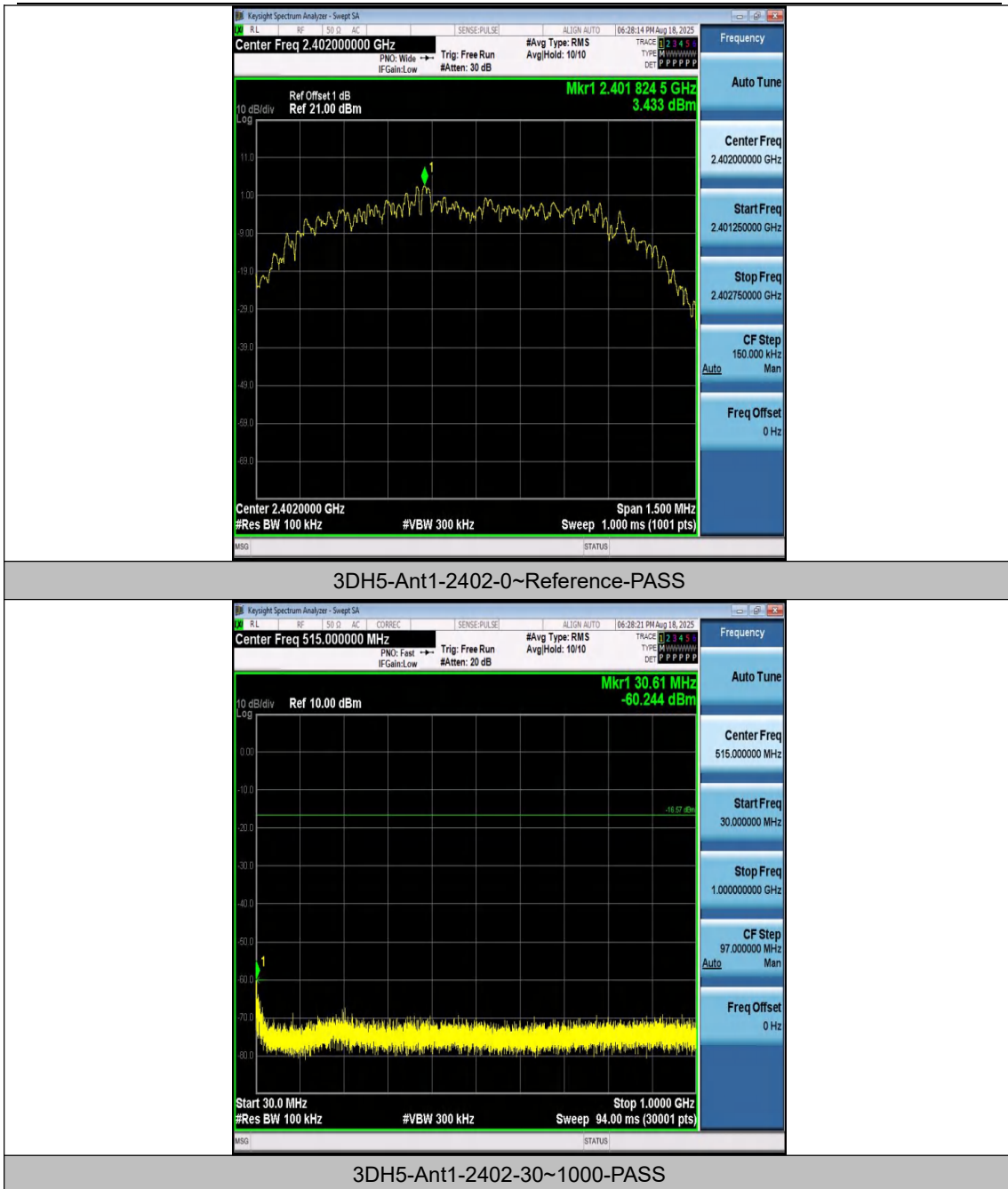


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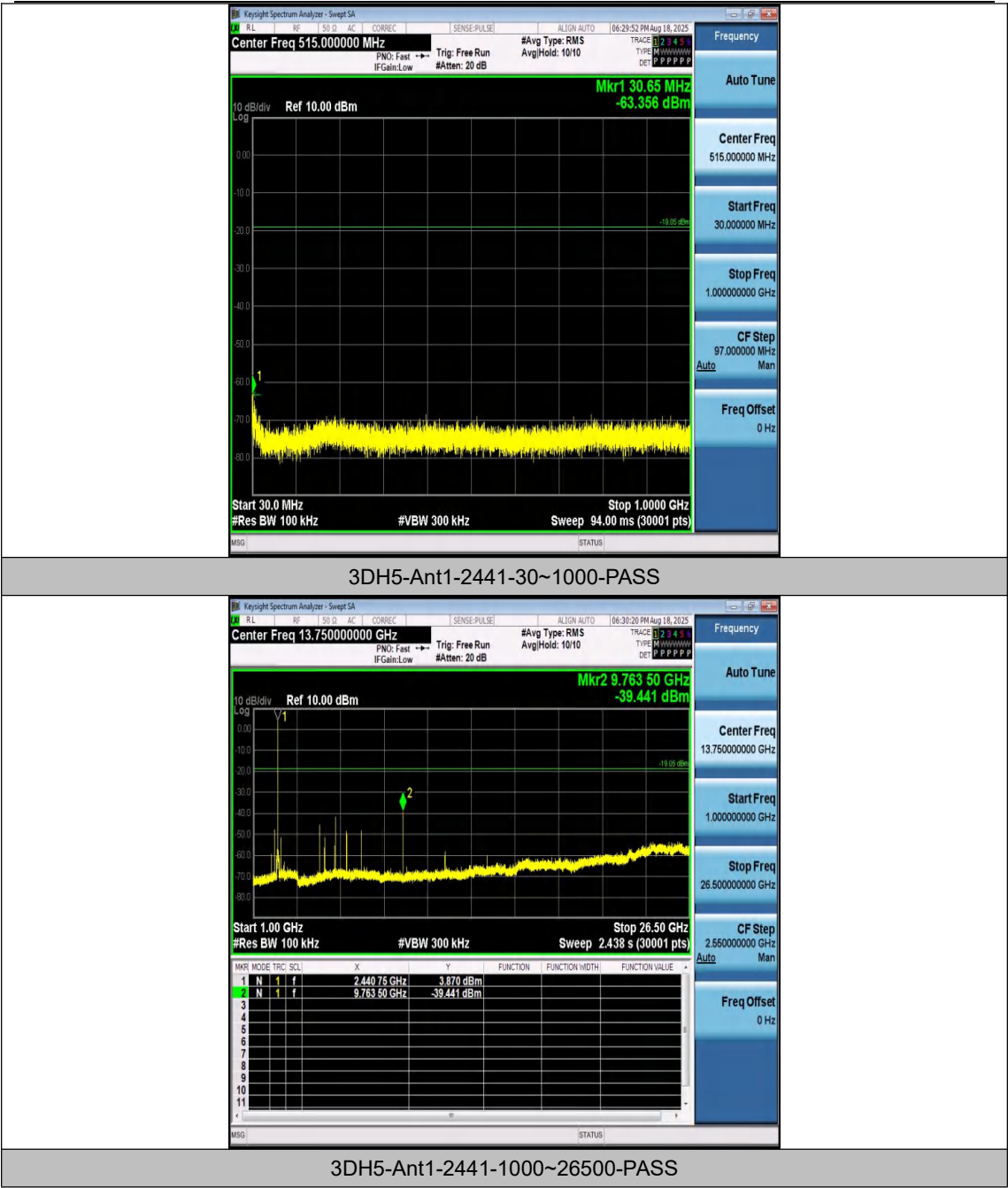
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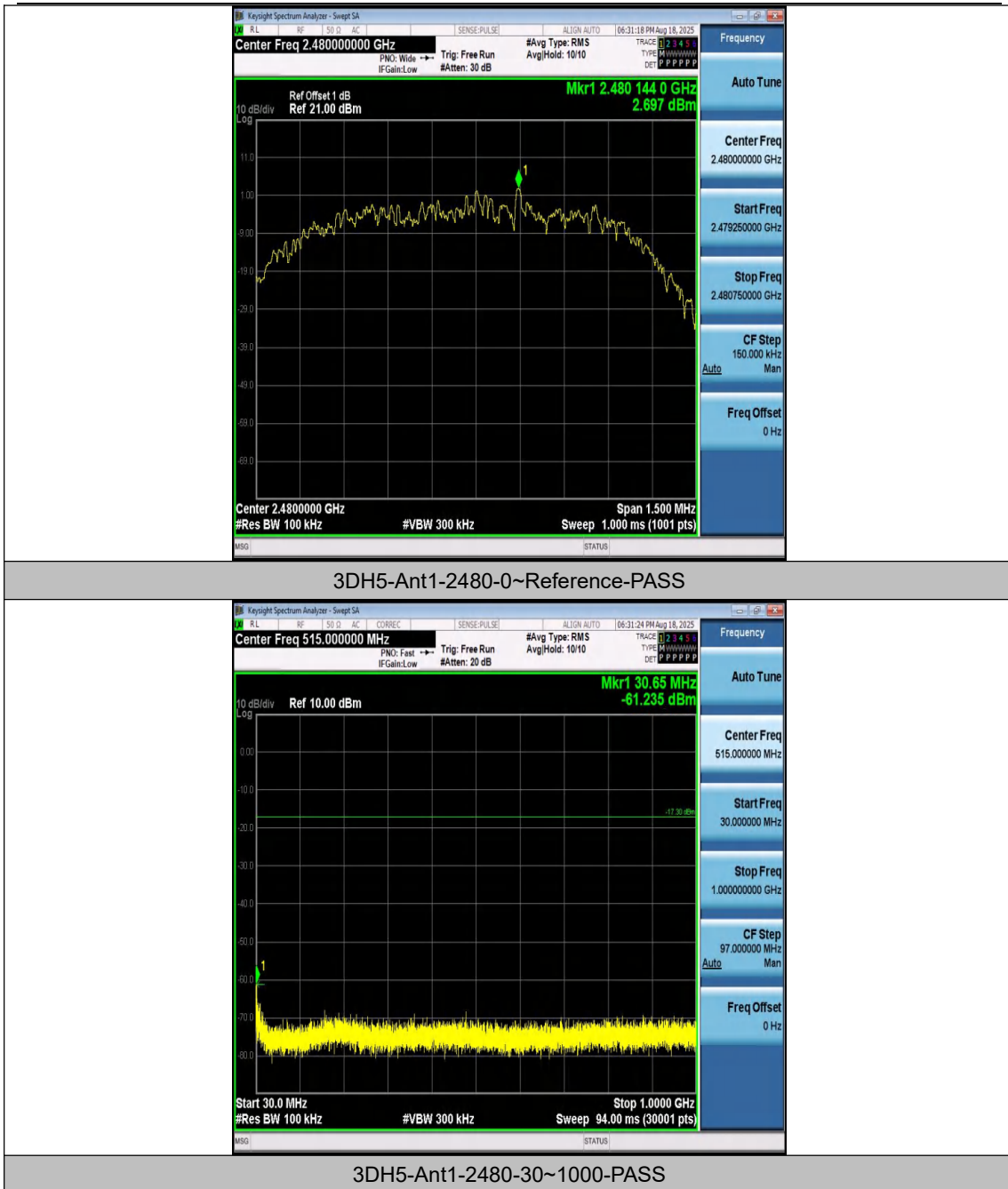
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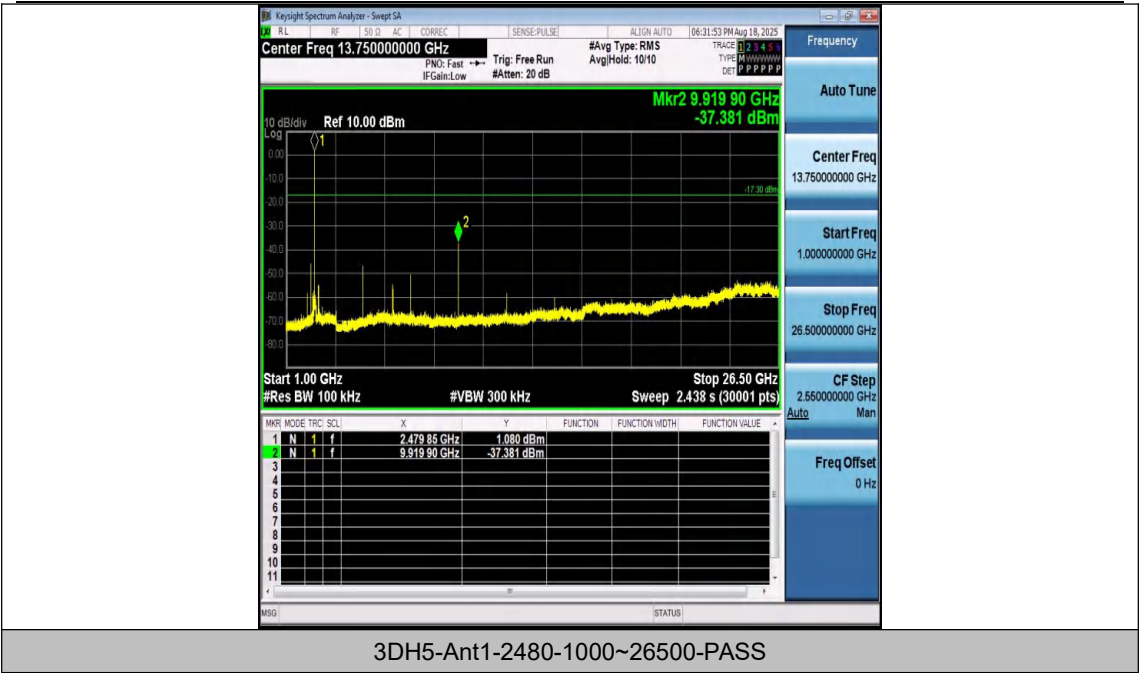
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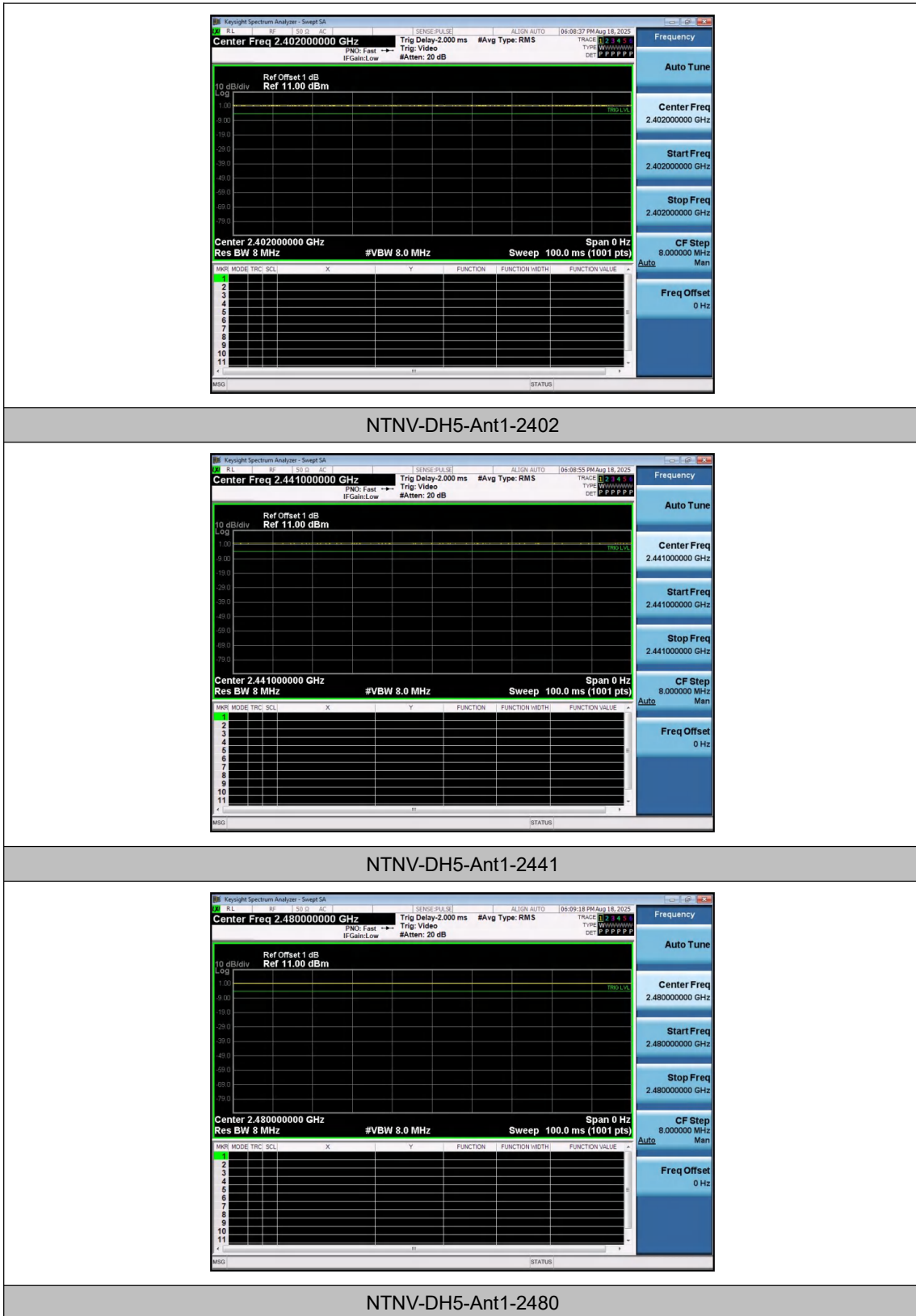
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	100.00	100.00	100.00	0.00
DH5	Ant1	2441	100.00	100.00	100.00	0.00
DH5	Ant1	2480	100.00	100.00	100.00	0.00
2DH5	Ant1	2402	100.00	100.00	100.00	0.00
2DH5	Ant1	2441	100.00	100.00	100.00	0.00
2DH5	Ant1	2480	100.00	100.00	100.00	0.00
3DH5	Ant1	2402	100.00	100.00	100.00	0.00
3DH5	Ant1	2441	100.00	100.00	100.00	0.00
3DH5	Ant1	2480	100.00	100.00	100.00	0.00

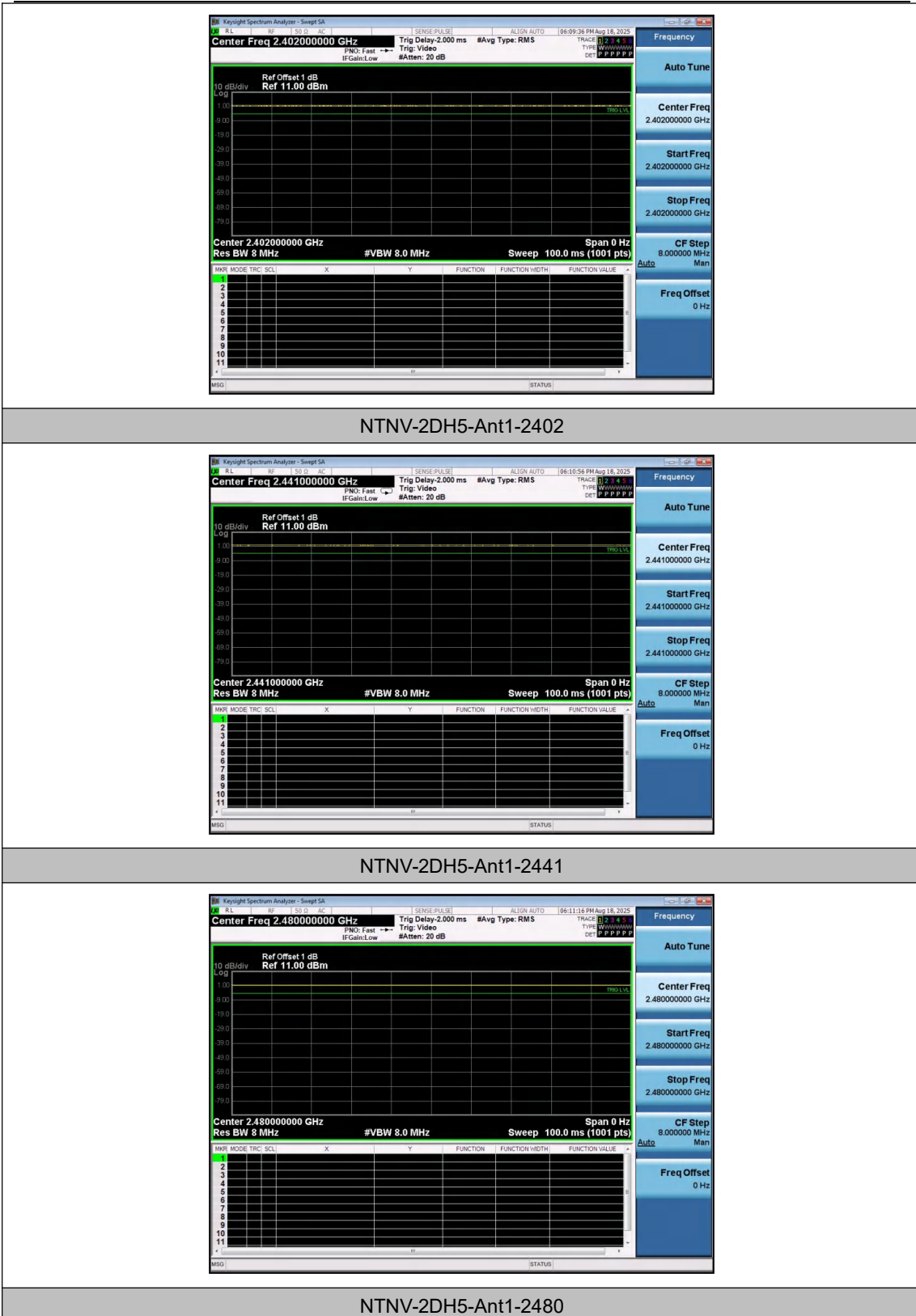
Test Graphs



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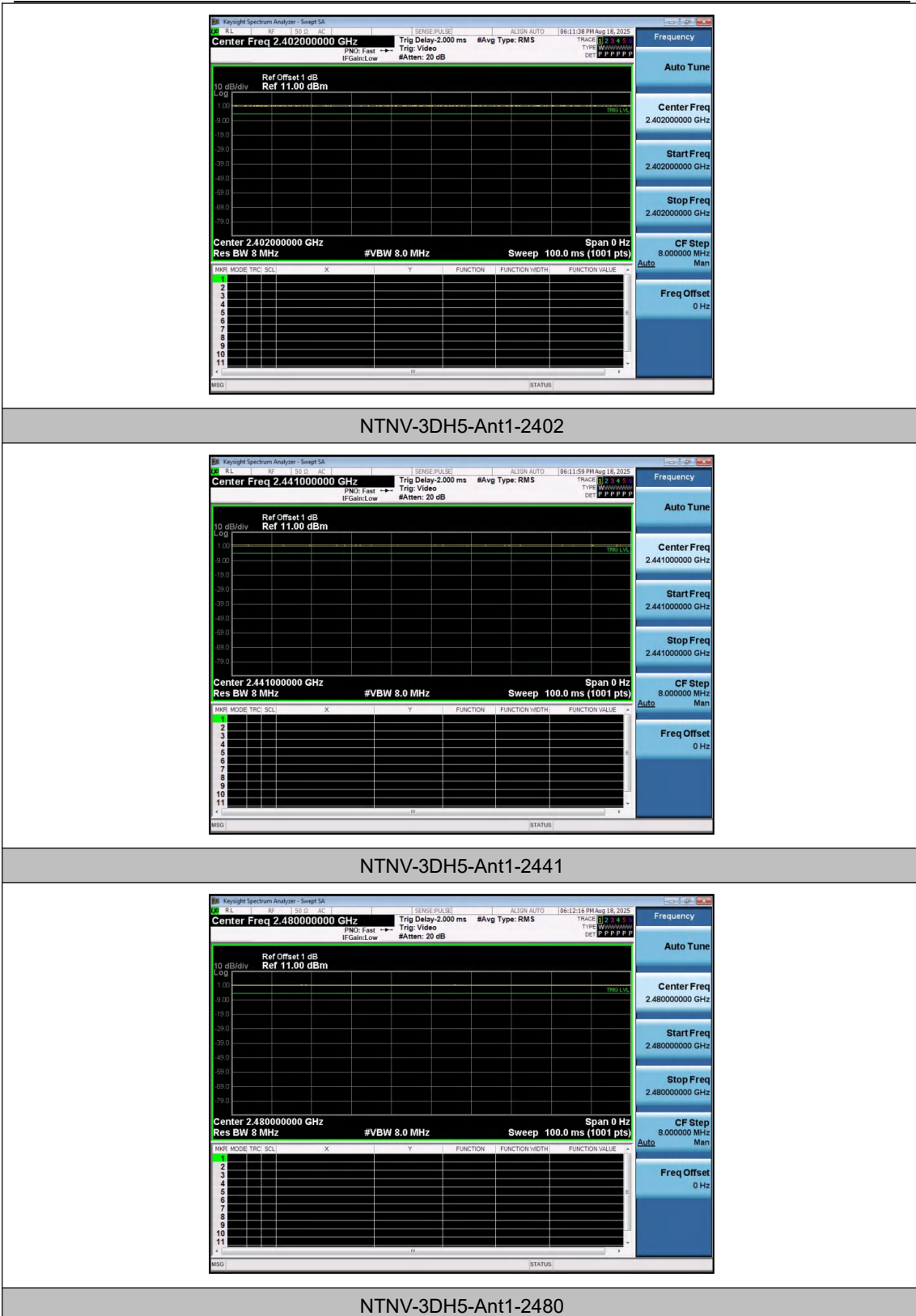
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---End---

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