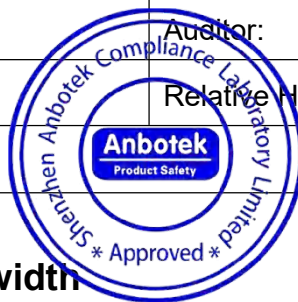


Appendix Test Data

Report No.:	1812C50431012501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-8-29	Finish Test Date:	2025-9-11
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24°C	Relative Humidity:	50%
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	2401.496	2402.447	---	---
DH5	Ant1	2441	0.960	2440.487	2441.447	---	---
DH5	Ant1	2480	0.939	2479.493	2480.432	---	---
2DH5	Ant1	2402	1.287	2401.322	2402.609	---	---
2DH5	Ant1	2441	1.284	2440.322	2441.606	---	---
2DH5	Ant1	2480	1.275	2479.325	2480.600	---	---
3DH5	Ant1	2402	1.239	2401.328	2402.567	---	---
3DH5	Ant1	2441	1.230	2440.334	2441.564	---	---
3DH5	Ant1	2480	1.272	2479.307	2480.579	---	---

Test Graphs



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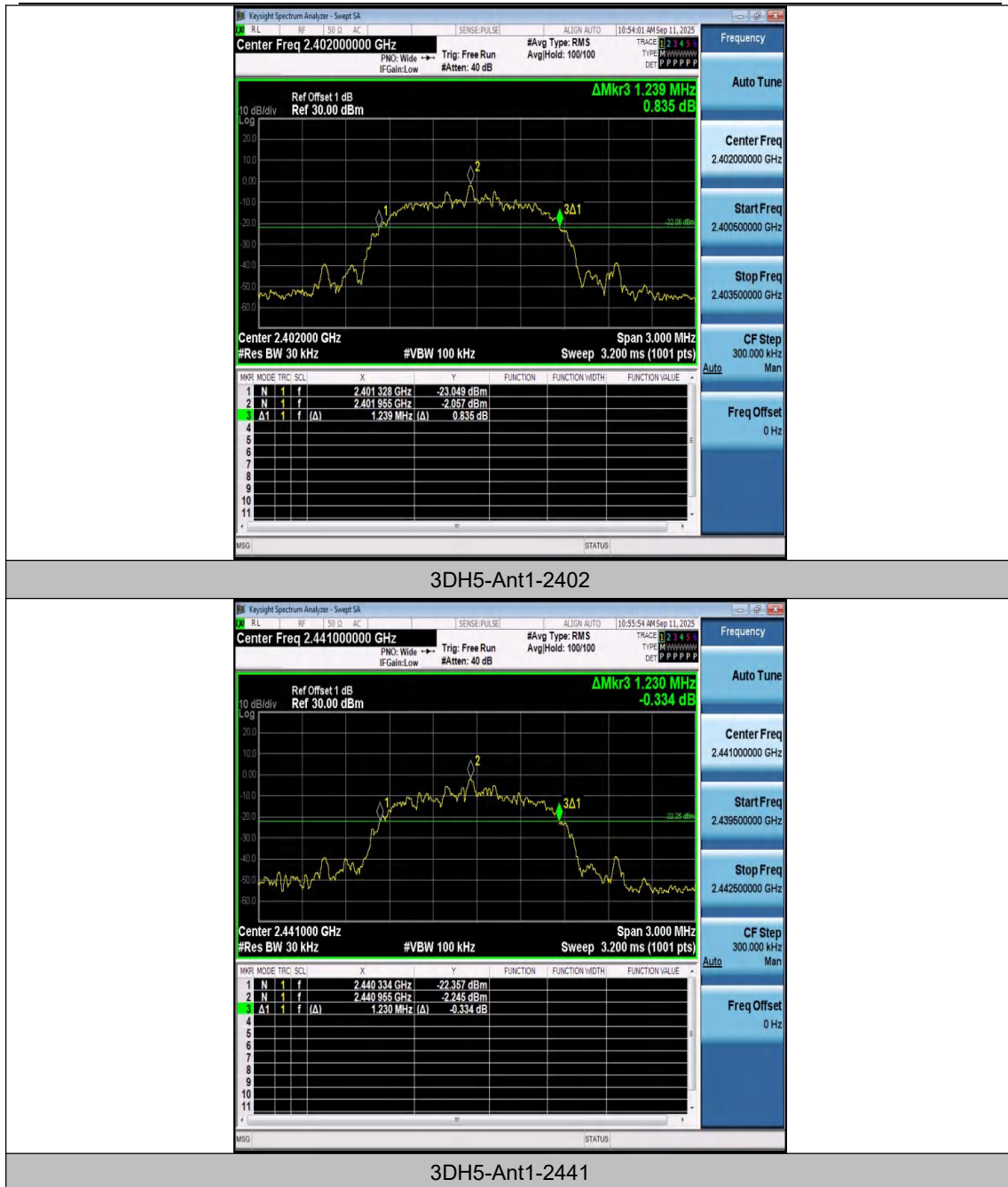


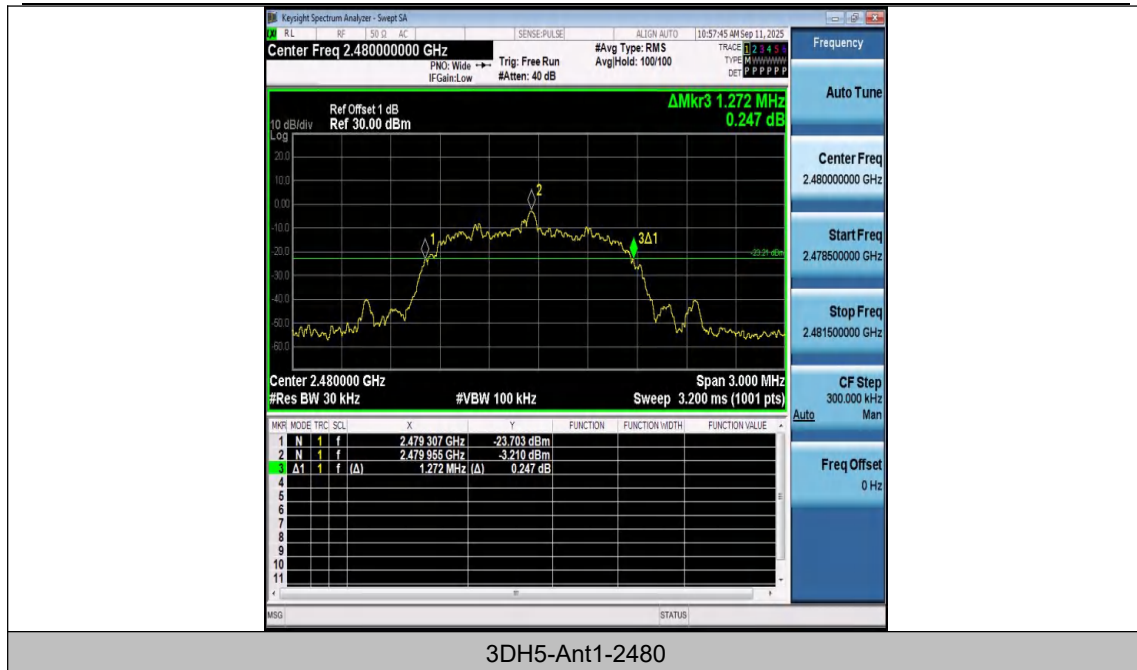
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86324	2401.5244	2402.3877	---	---
DH5	Ant1	2441	0.85865	2440.5233	2441.3819	---	---
DH5	Ant1	2480	0.86625	2479.5217	2480.3879	---	---
2DH5	Ant1	2402	1.1740	2401.3700	2402.5440	---	---
2DH5	Ant1	2441	1.1699	2440.3700	2441.5399	---	---
2DH5	Ant1	2480	1.1755	2479.3665	2480.5420	---	---
3DH5	Ant1	2402	1.1664	2401.3720	2402.5384	---	---
3DH5	Ant1	2441	1.1628	2440.3727	2441.5355	---	---
3DH5	Ant1	2480	1.1612	2479.3748	2480.5360	---	---

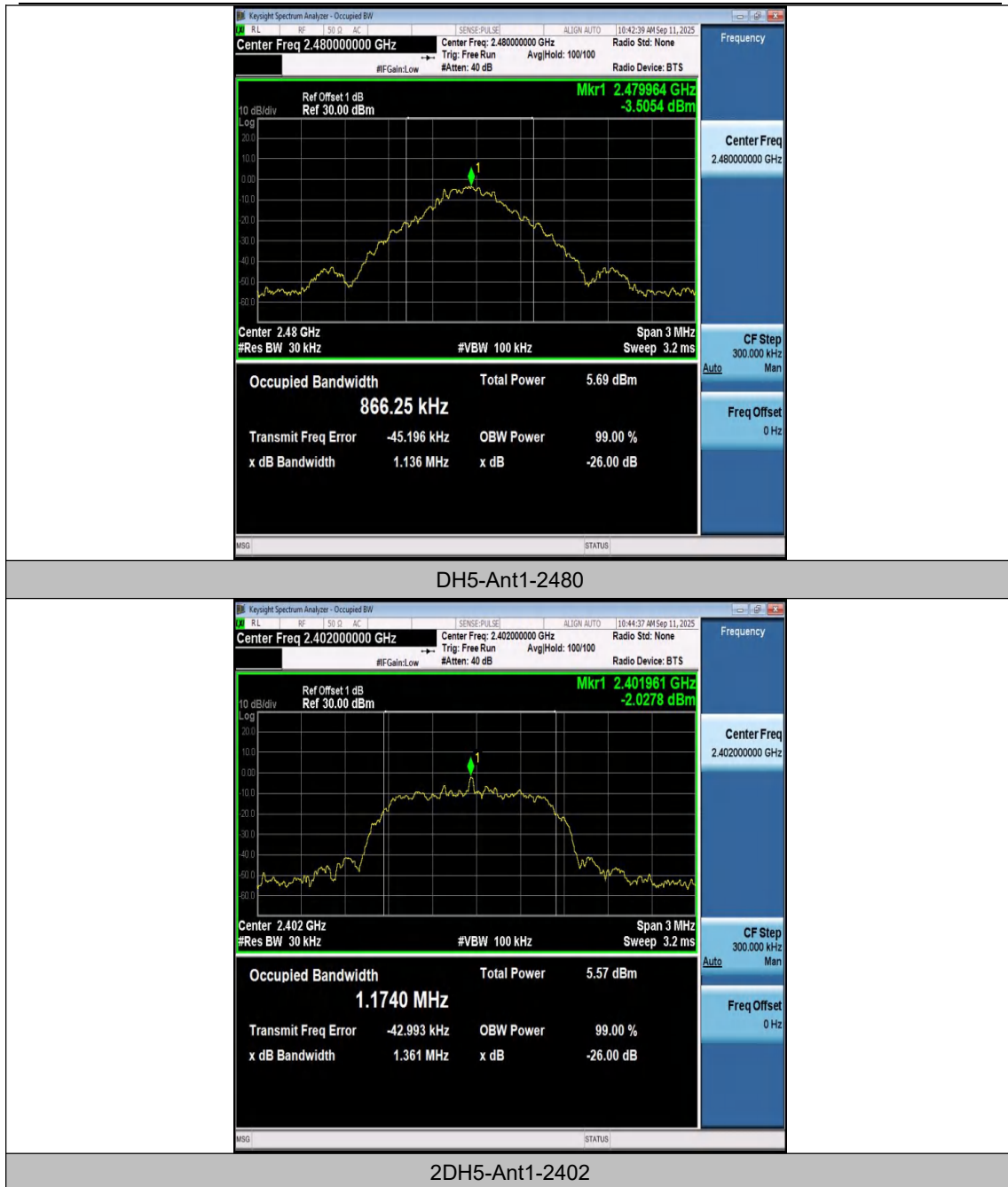
Test Graphs



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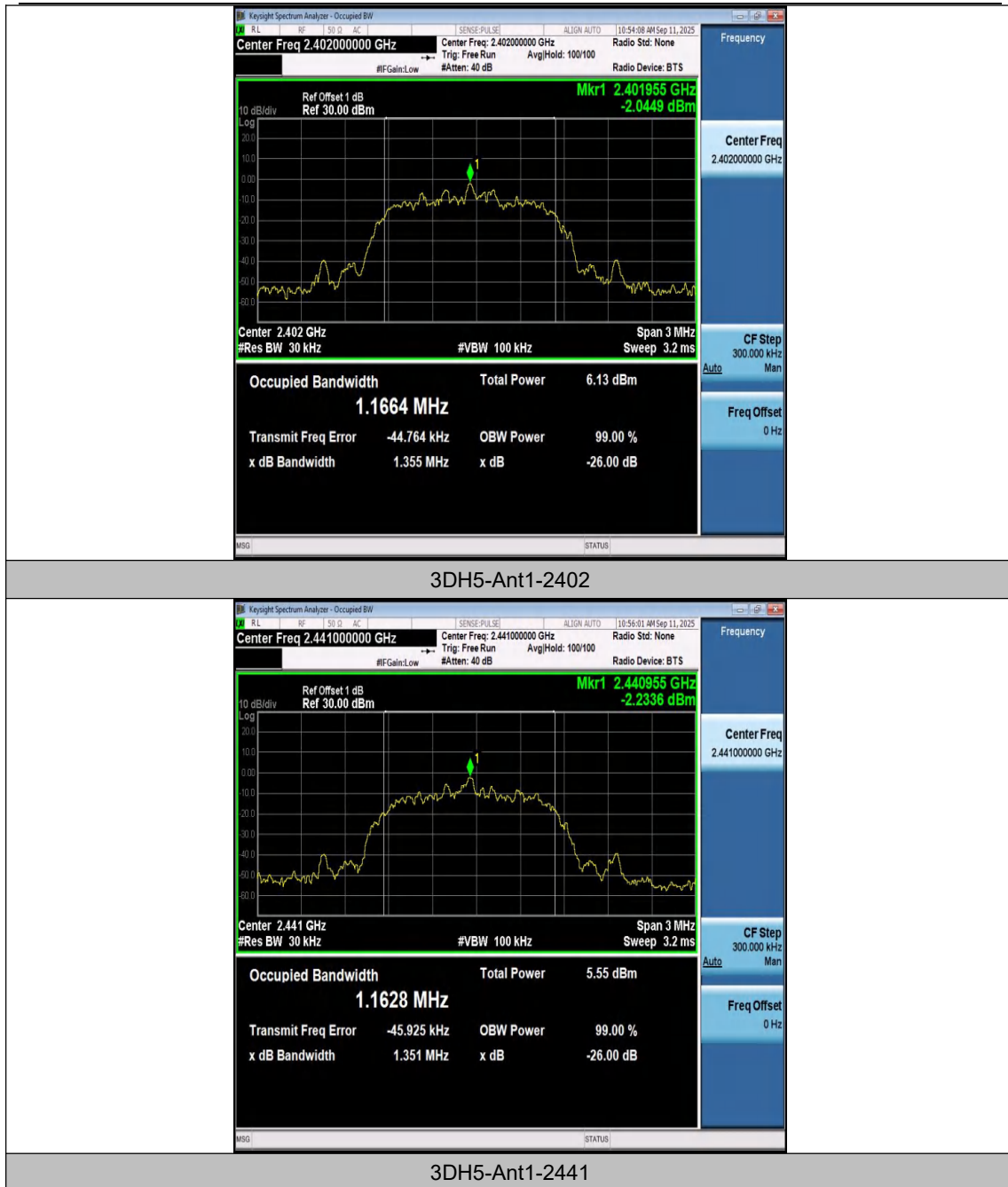
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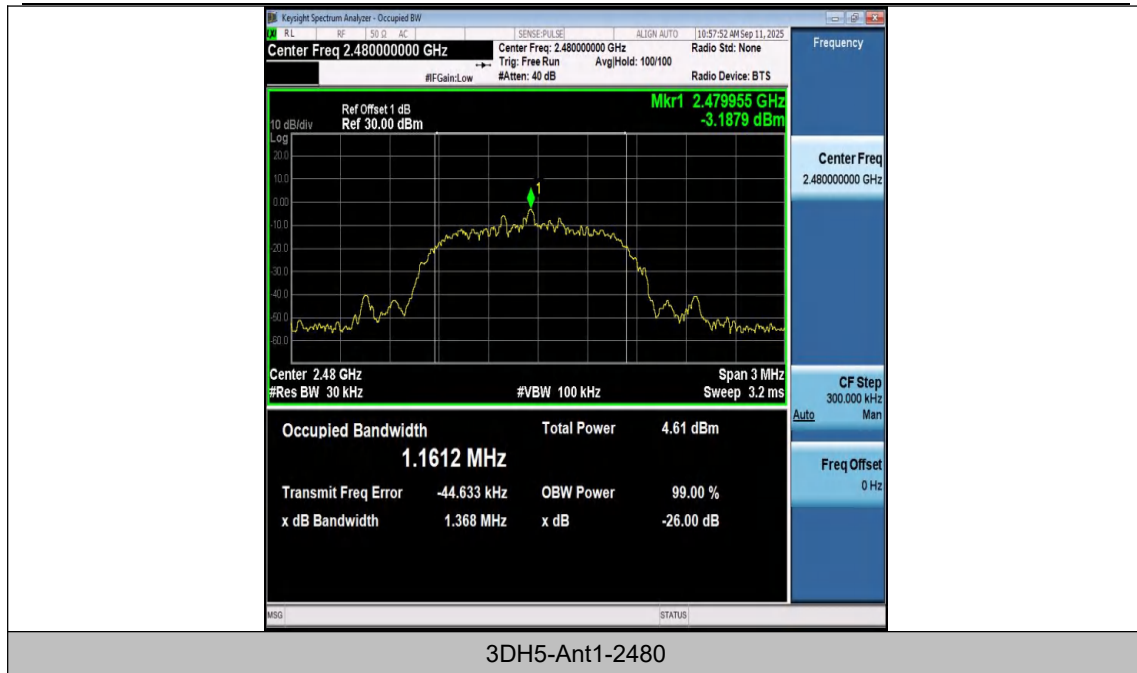
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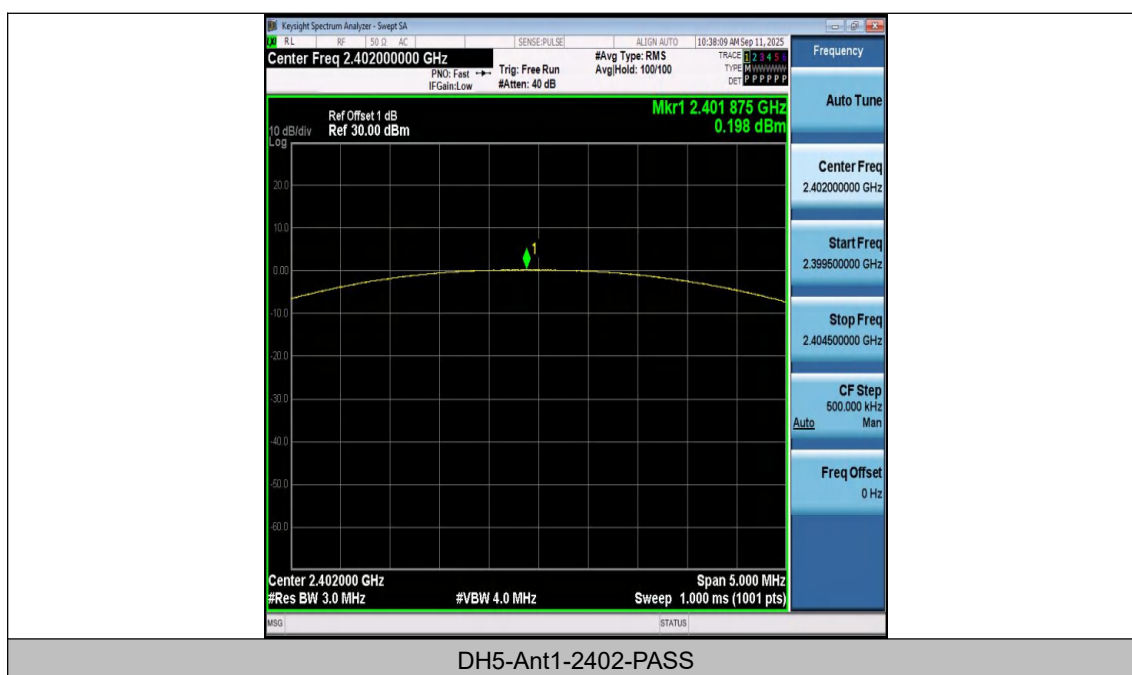
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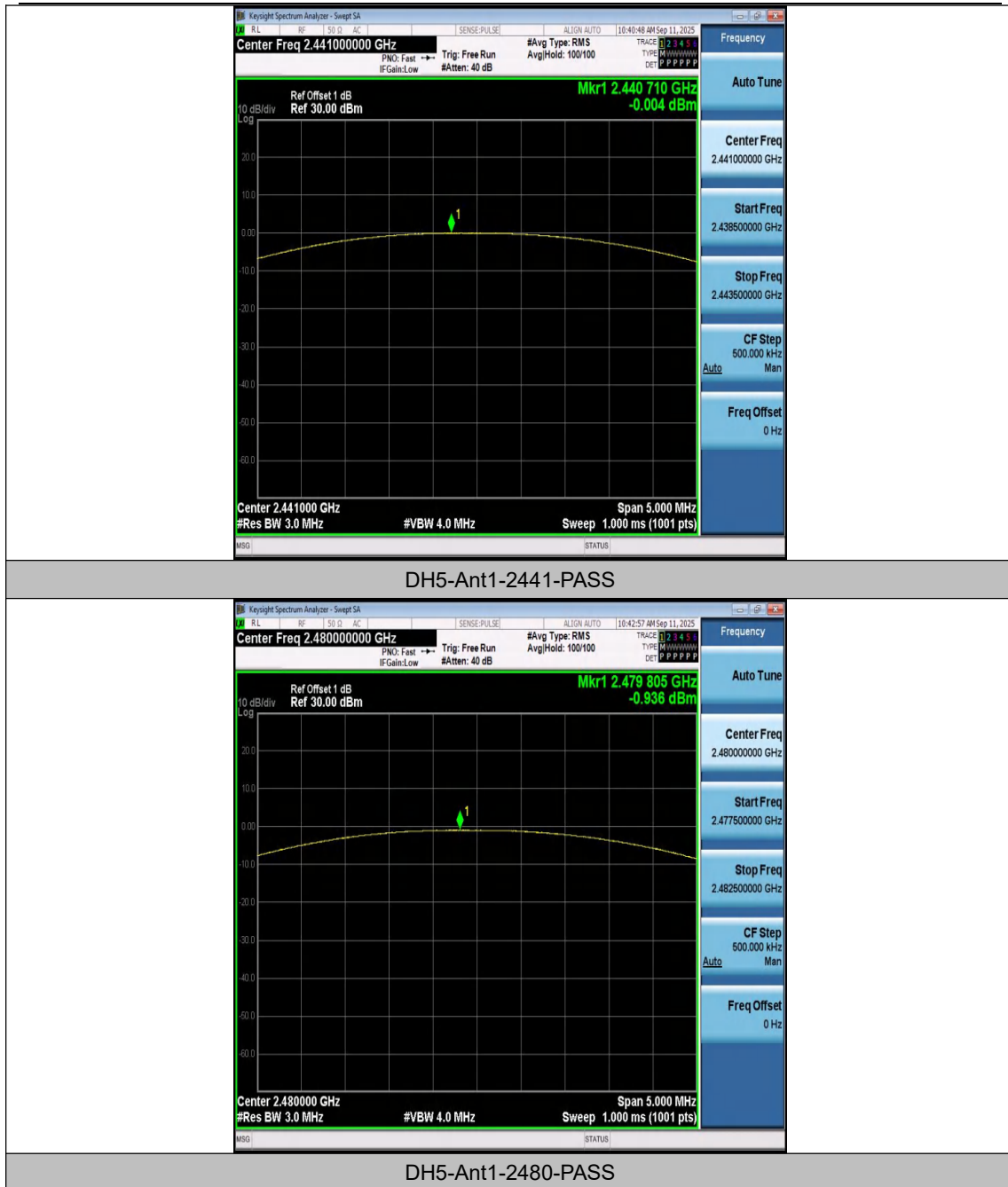
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.20	≤20.97	PASS
DH5	Ant1	2441	0.00	≤20.97	PASS
DH5	Ant1	2480	-0.94	≤20.97	PASS
2DH5	Ant1	2402	1.00	≤20.97	PASS
2DH5	Ant1	2441	0.80	≤20.97	PASS
2DH5	Ant1	2480	-0.16	≤20.97	PASS
3DH5	Ant1	2402	1.42	≤20.97	PASS
3DH5	Ant1	2441	1.26	≤20.97	PASS
3DH5	Ant1	2480	0.28	≤20.97	PASS

Test Graphs

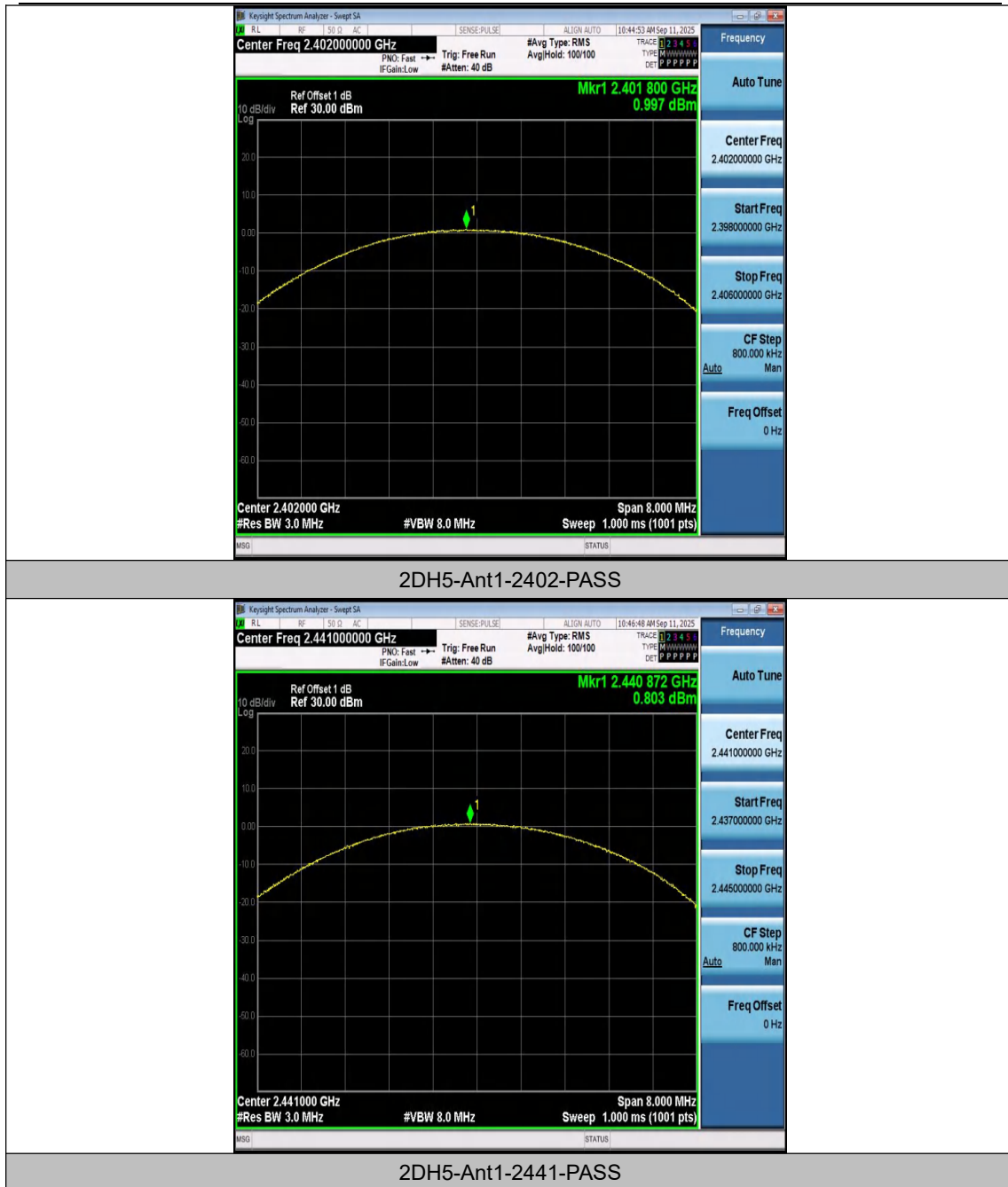




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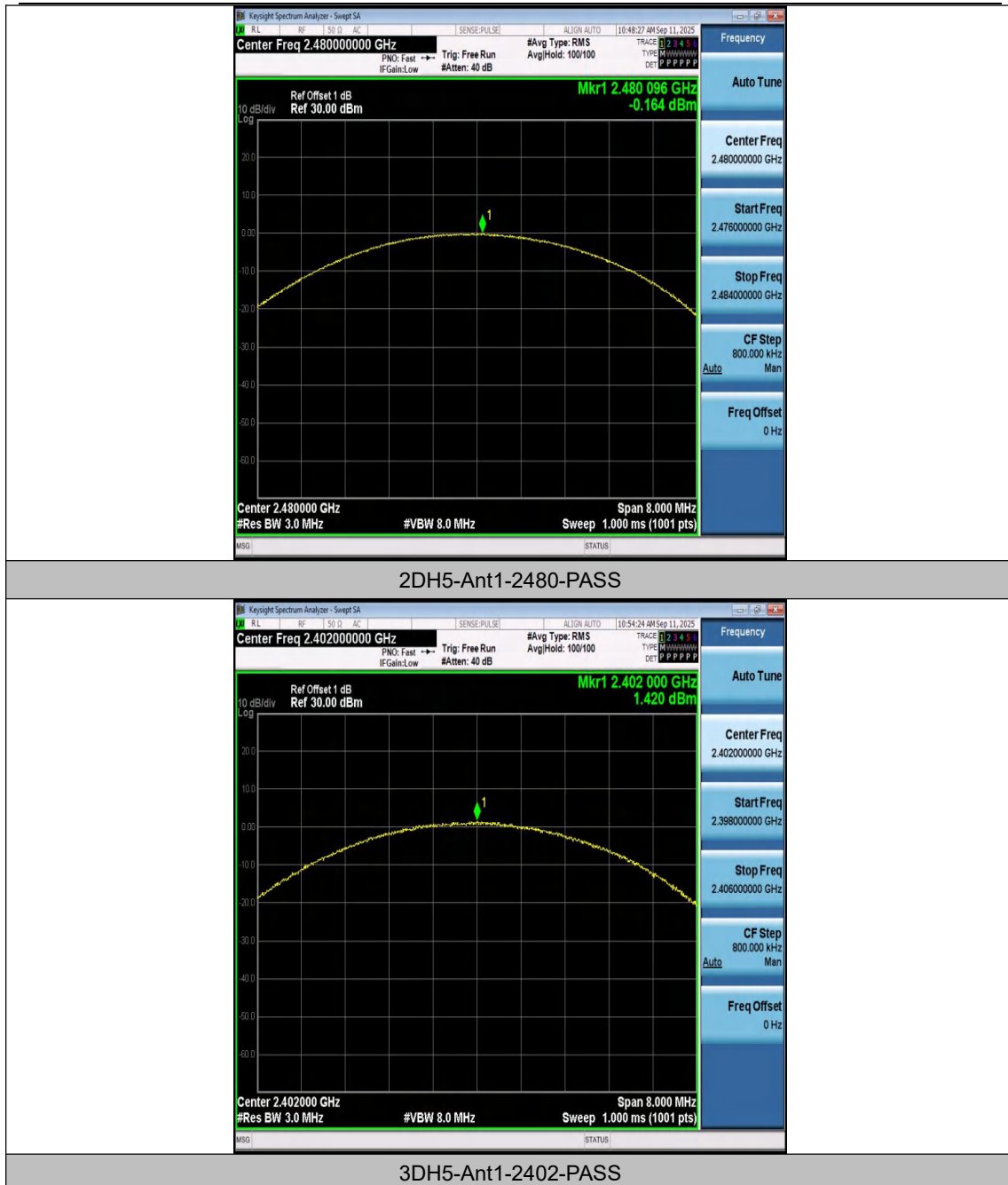
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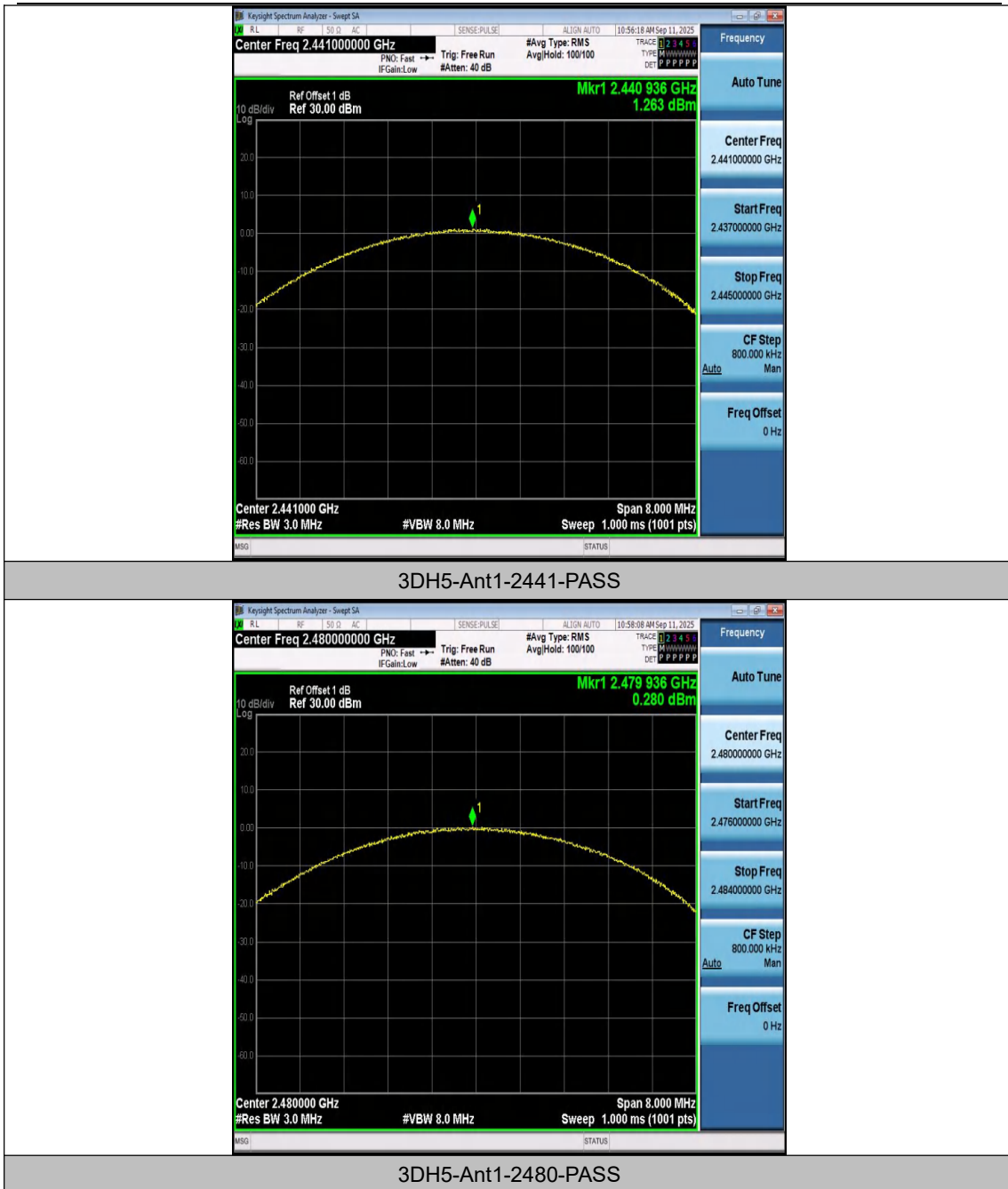
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥0.640	PASS
2DH5	Ant1	Hop	1.014	≥0.858	PASS
3DH5	Ant1	Hop	0.99	≥0.848	PASS

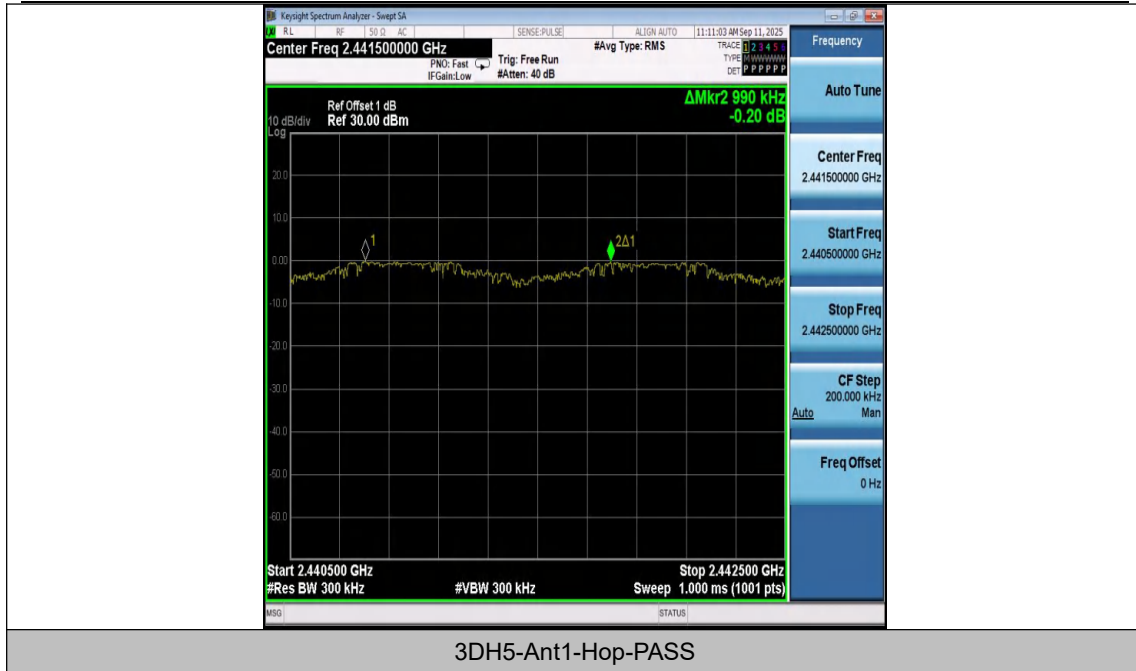
Test Graphs



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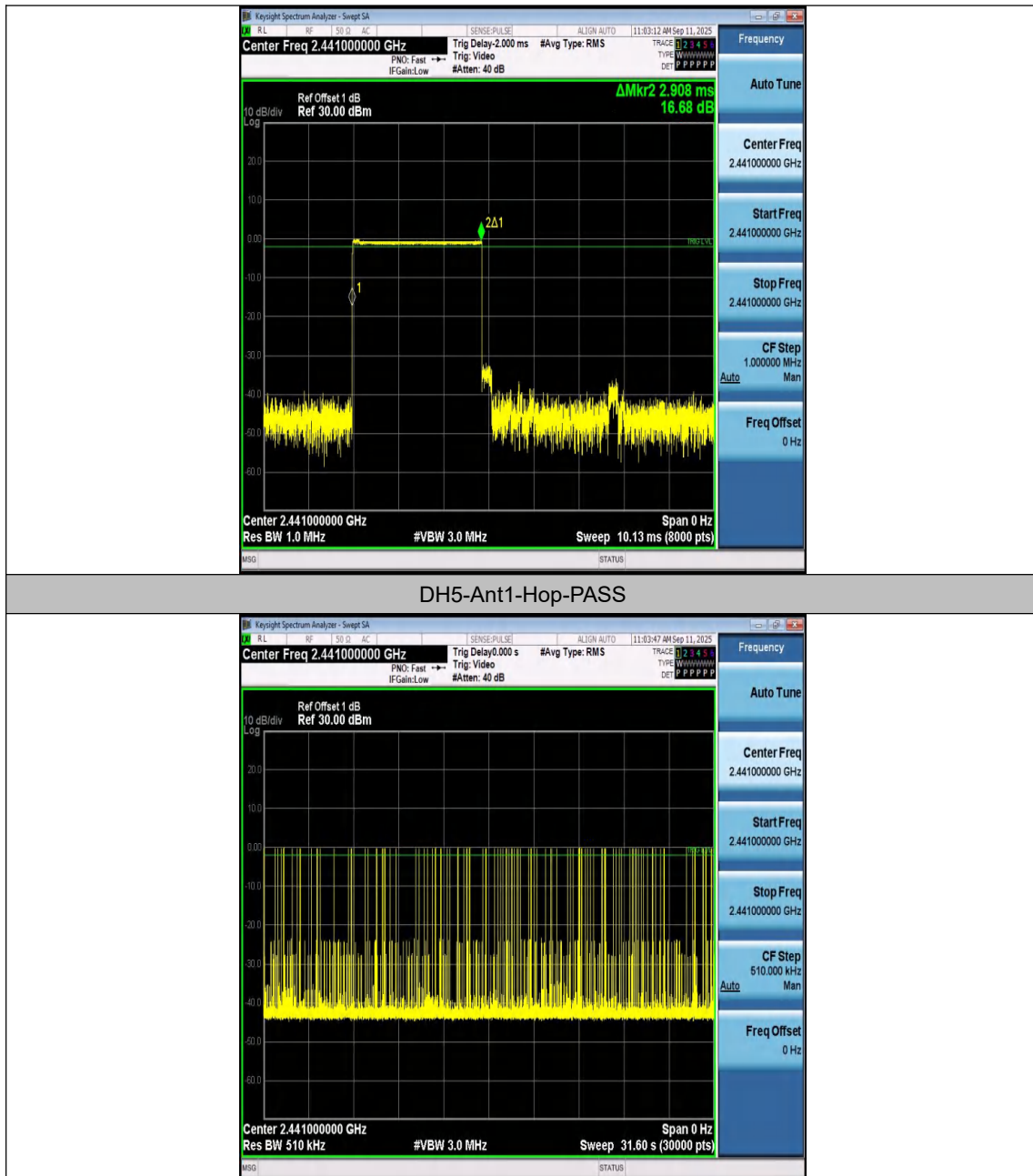
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.908	111	0.323	≤0.4	PASS
2DH5	Ant1	Hop	2.915	118	0.344	≤0.4	PASS
3DH5	Ant1	Hop	2.917	90	0.263	≤0.4	PASS

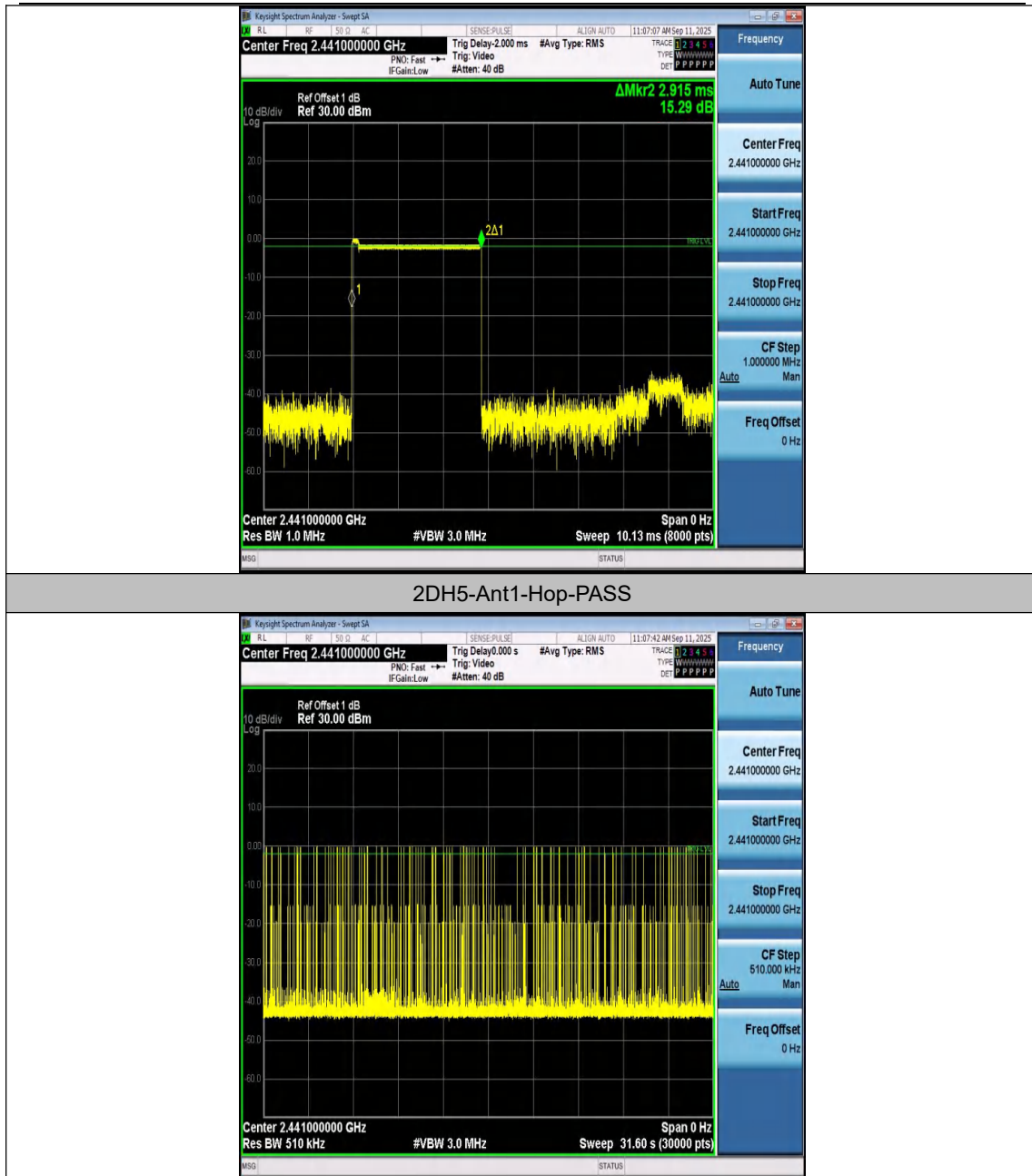
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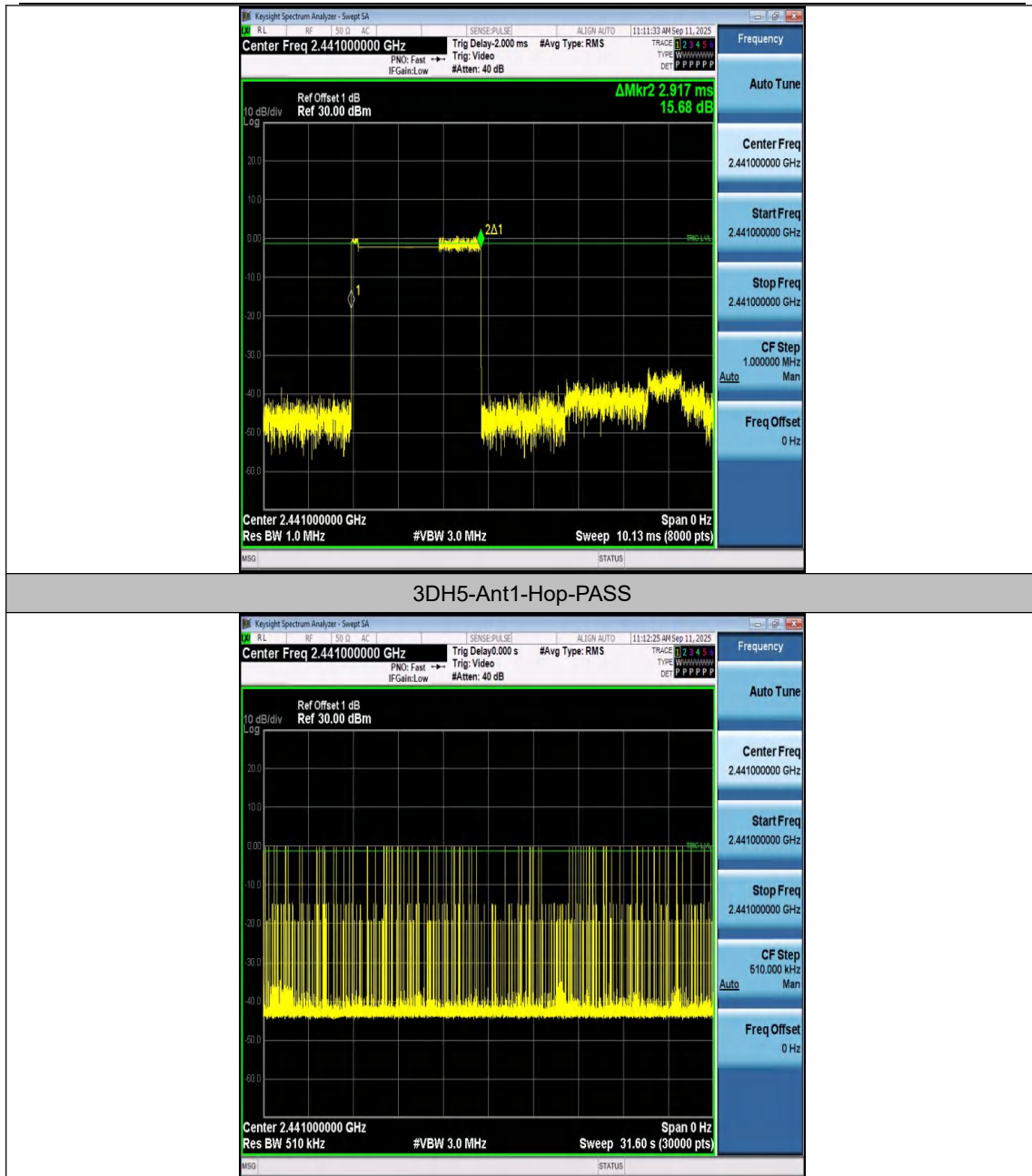
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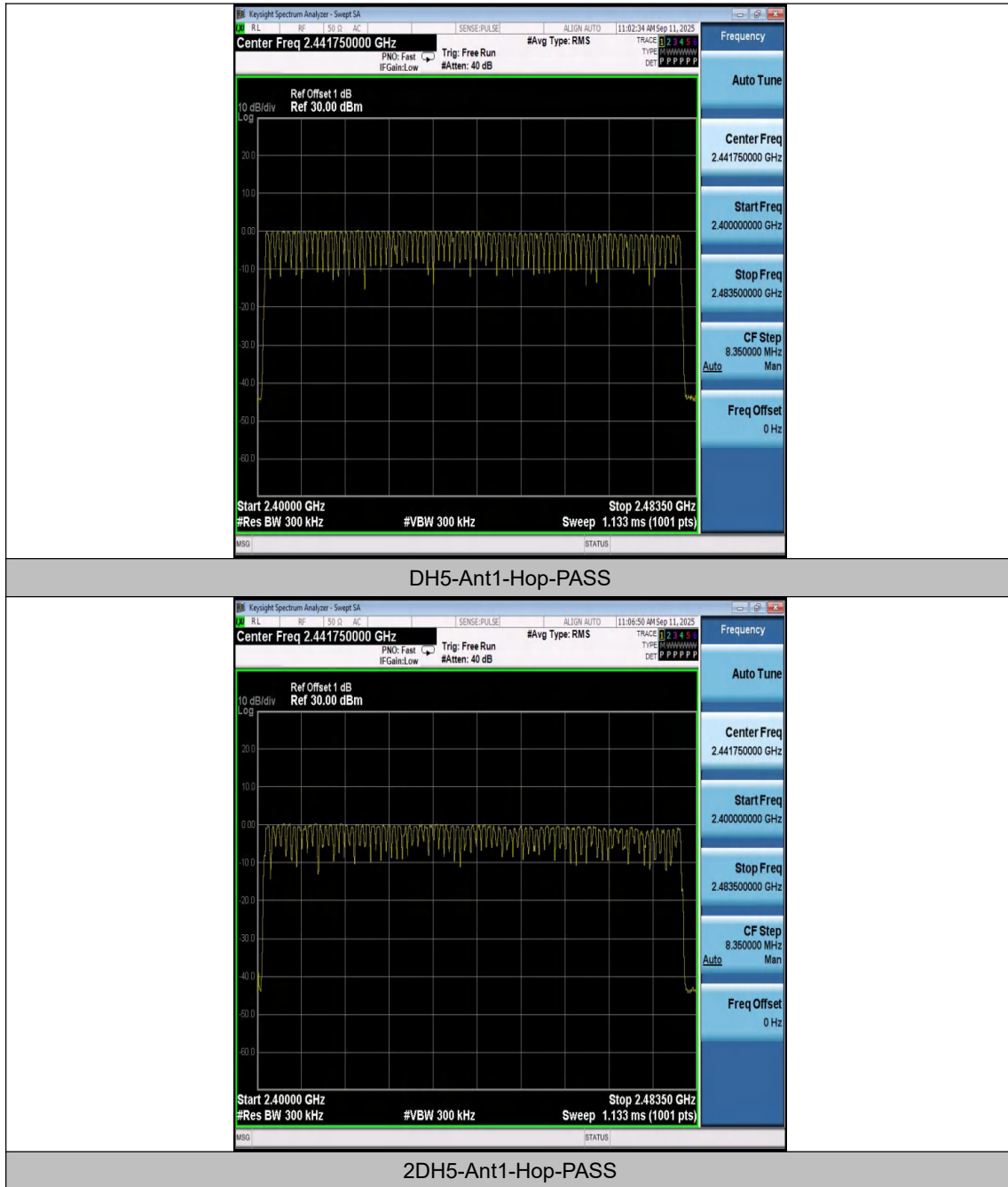
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Appendix F: Number of Hopping Channel

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

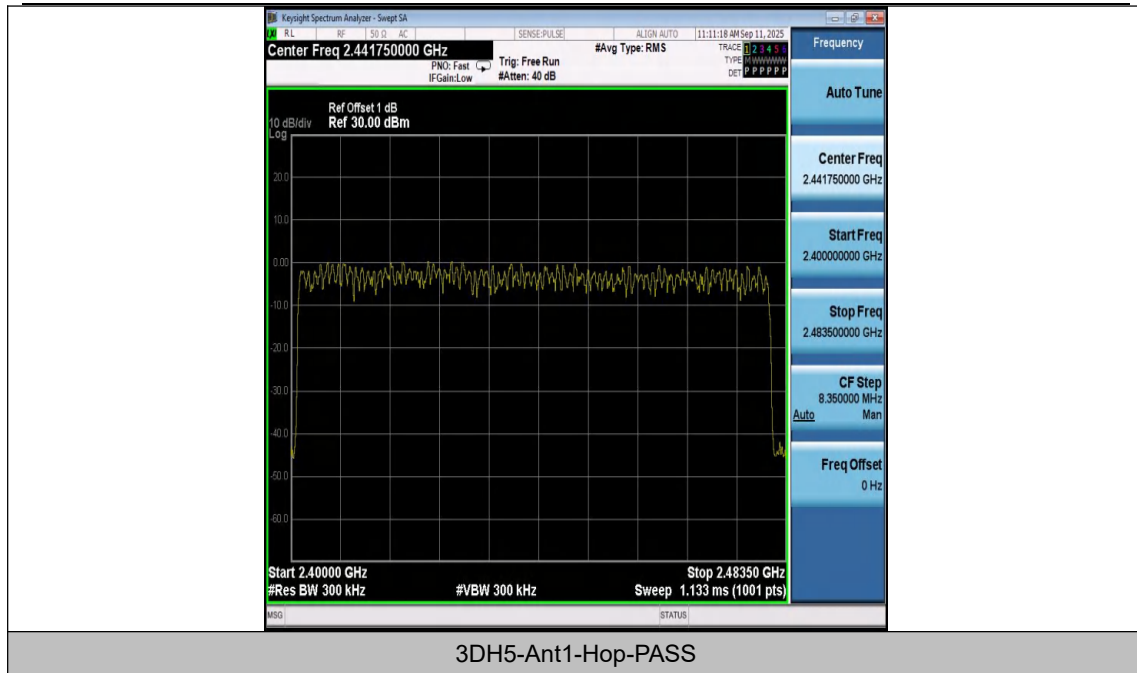
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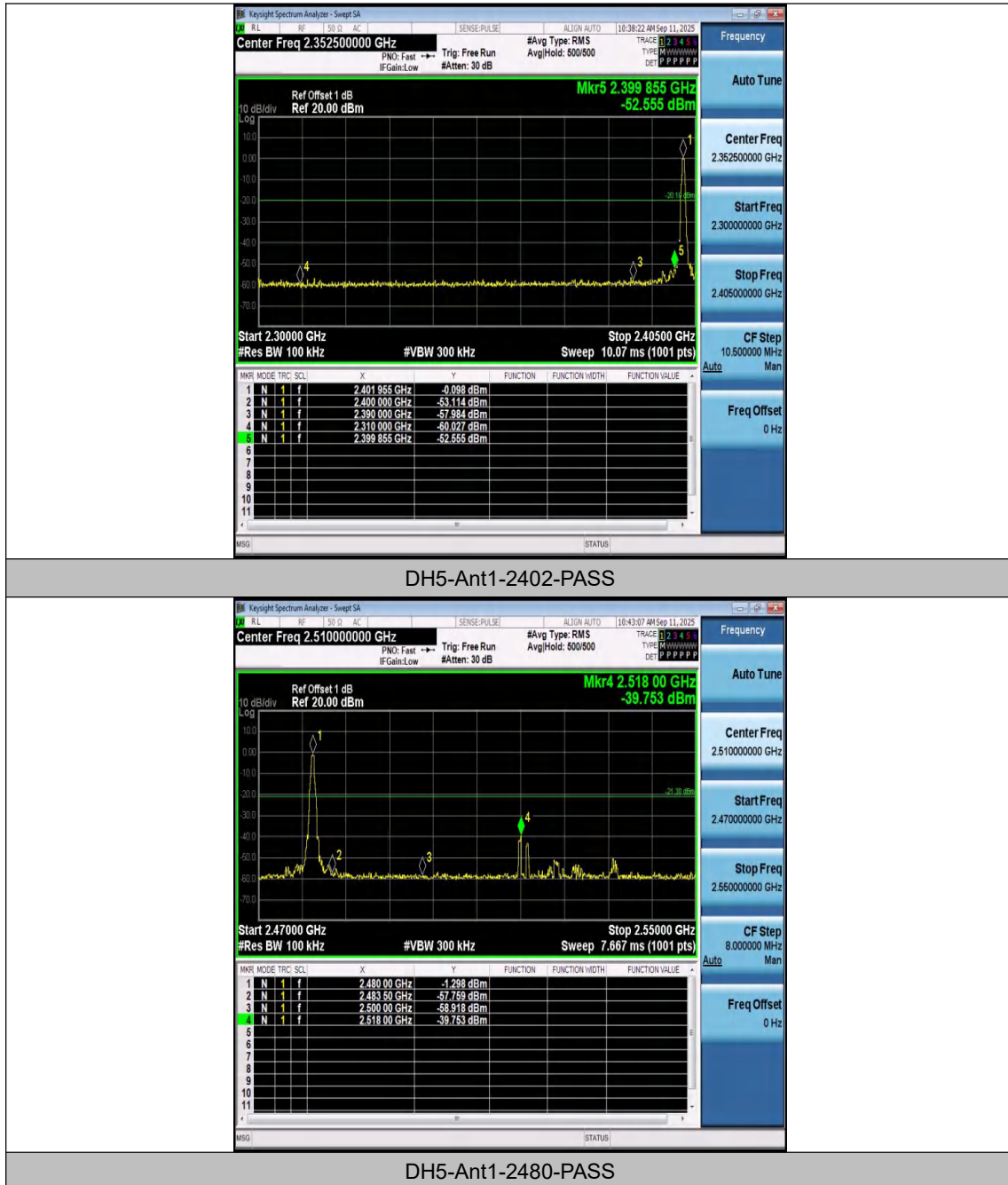
Appendix G: Conducted Band edge

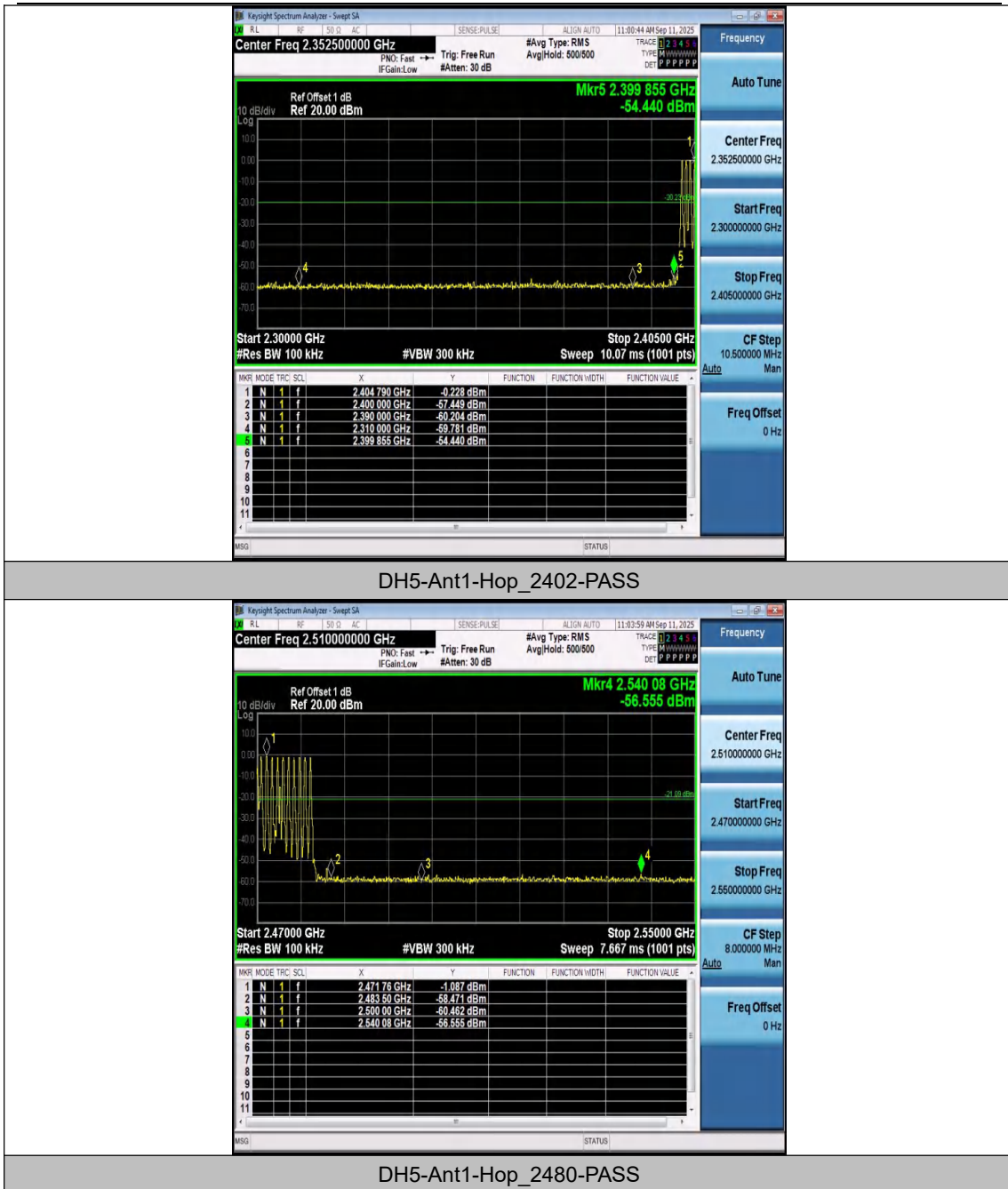
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.10	-52.56	≤-20.1	PASS
DH5	Ant1	High	2480	-1.30	-39.75	≤-21.3	PASS
DH5	Ant1	Low	Hop_2402	-0.23	-54.44	≤-20.23	PASS
DH5	Ant1	High	Hop_2480	-1.09	-56.56	≤-21.09	PASS
2DH5	Ant1	Low	2402	-0.24	-50.25	≤-20.24	PASS
2DH5	Ant1	High	2480	-1.70	-54.8	≤-21.7	PASS
2DH5	Ant1	Low	Hop_2402	-1.84	-54.58	≤-21.84	PASS
2DH5	Ant1	High	Hop_2480	-1.78	-56.46	≤-21.78	PASS
3DH5	Ant1	Low	2402	-0.45	-52.05	≤-20.45	PASS
3DH5	Ant1	High	2480	-1.36	-55.65	≤-21.36	PASS
3DH5	Ant1	Low	Hop_2402	-2.03	-54.3	≤-22.03	PASS
3DH5	Ant1	High	Hop_2480	-2.38	-56.19	≤-22.38	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

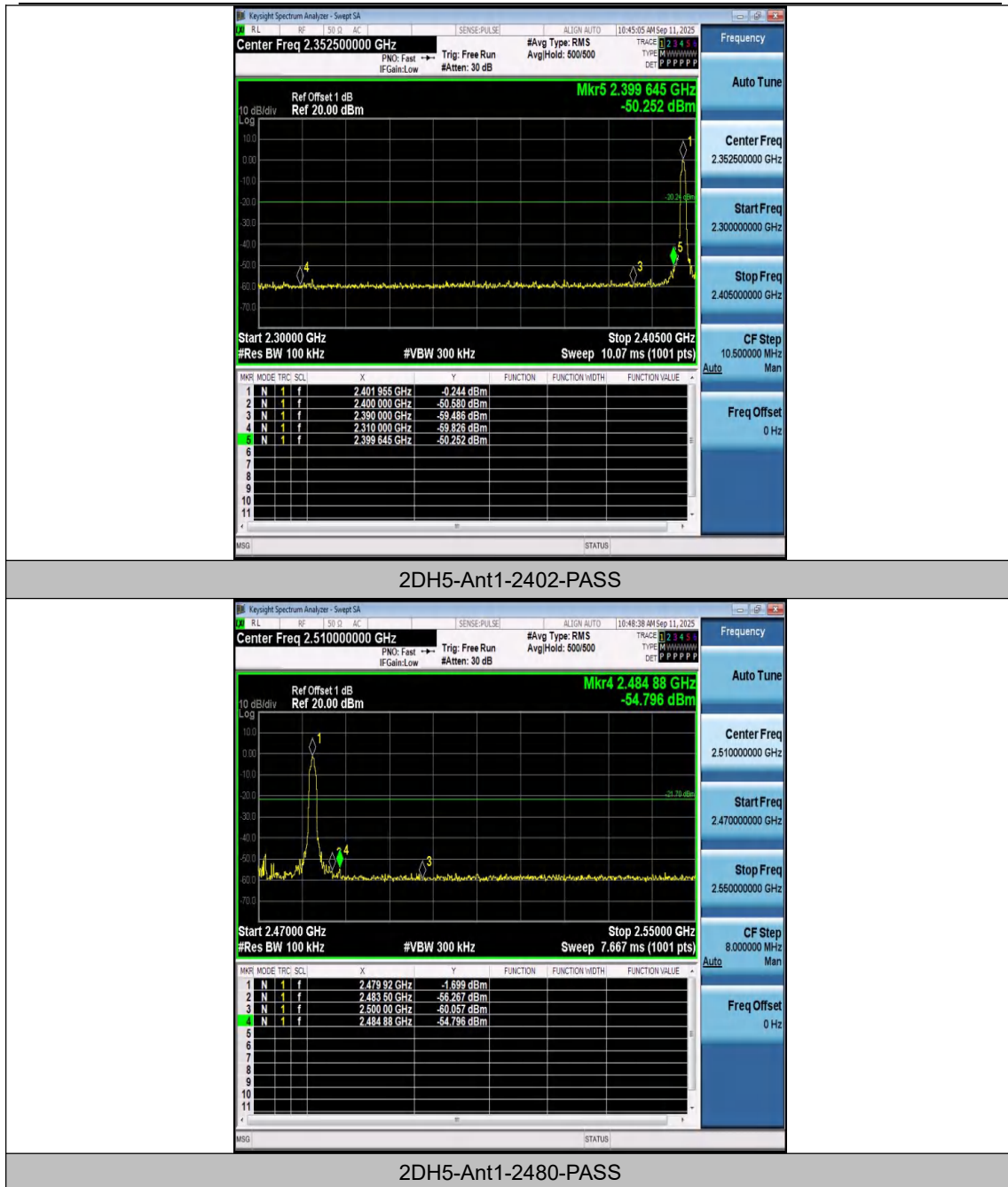




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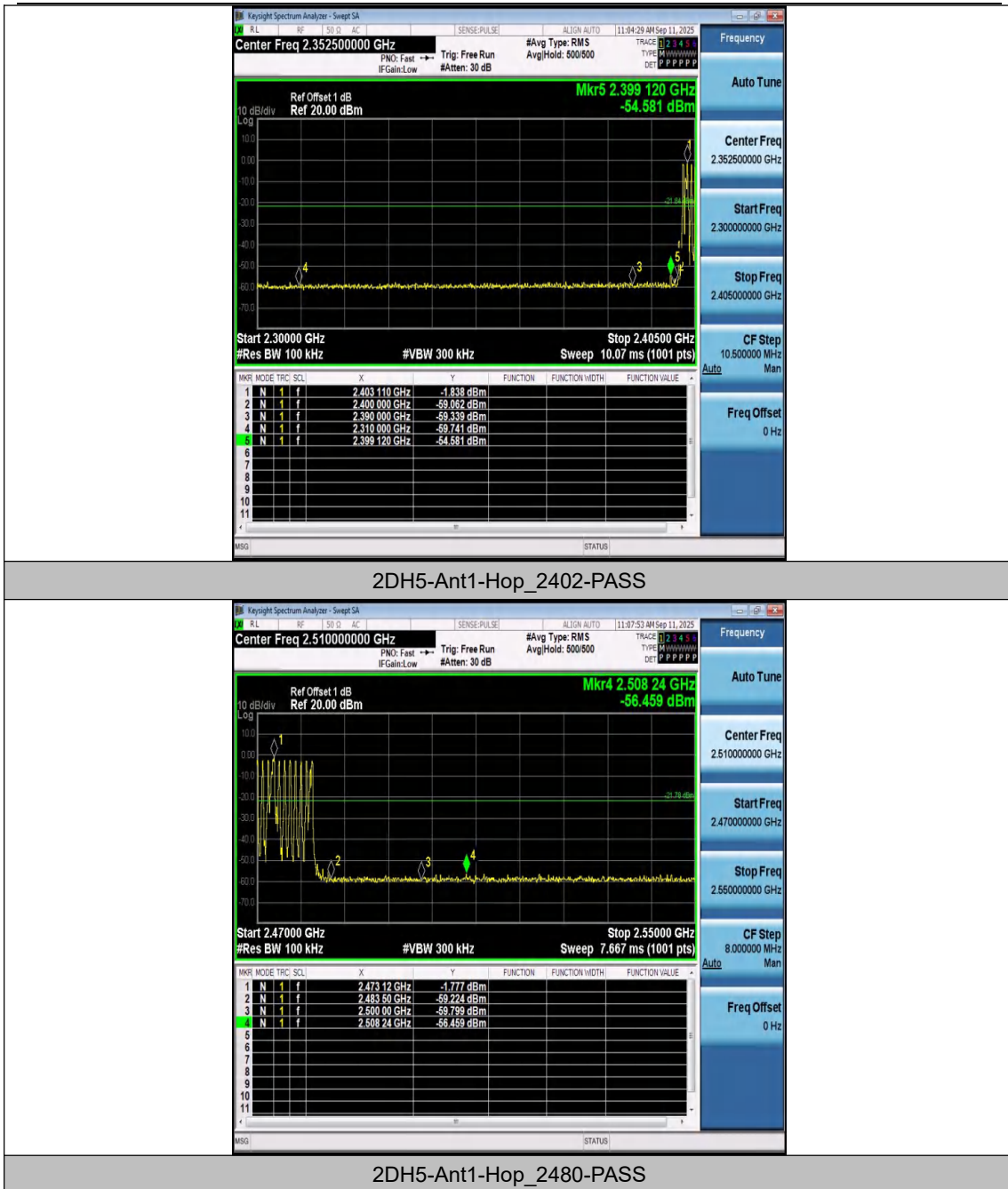
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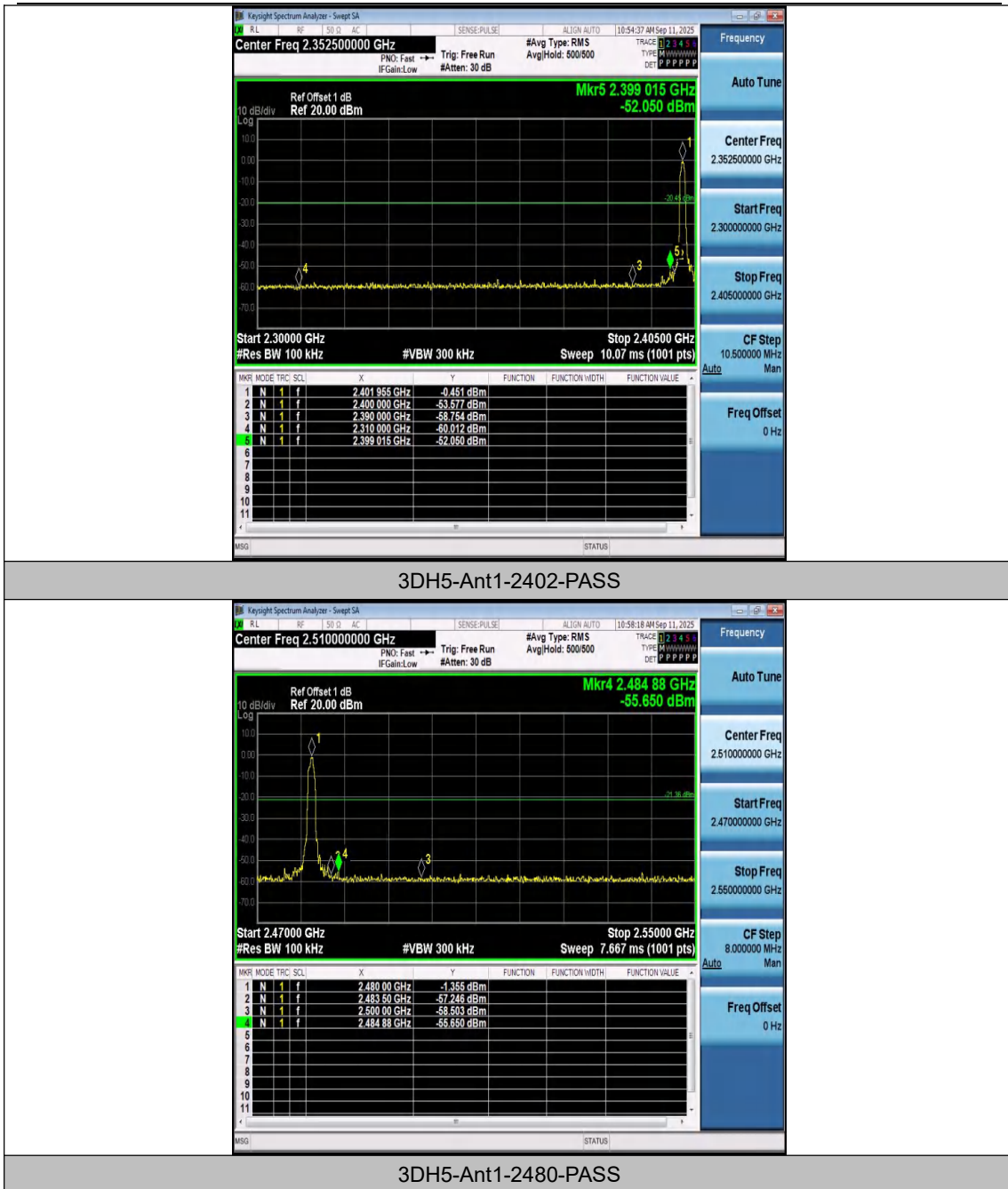


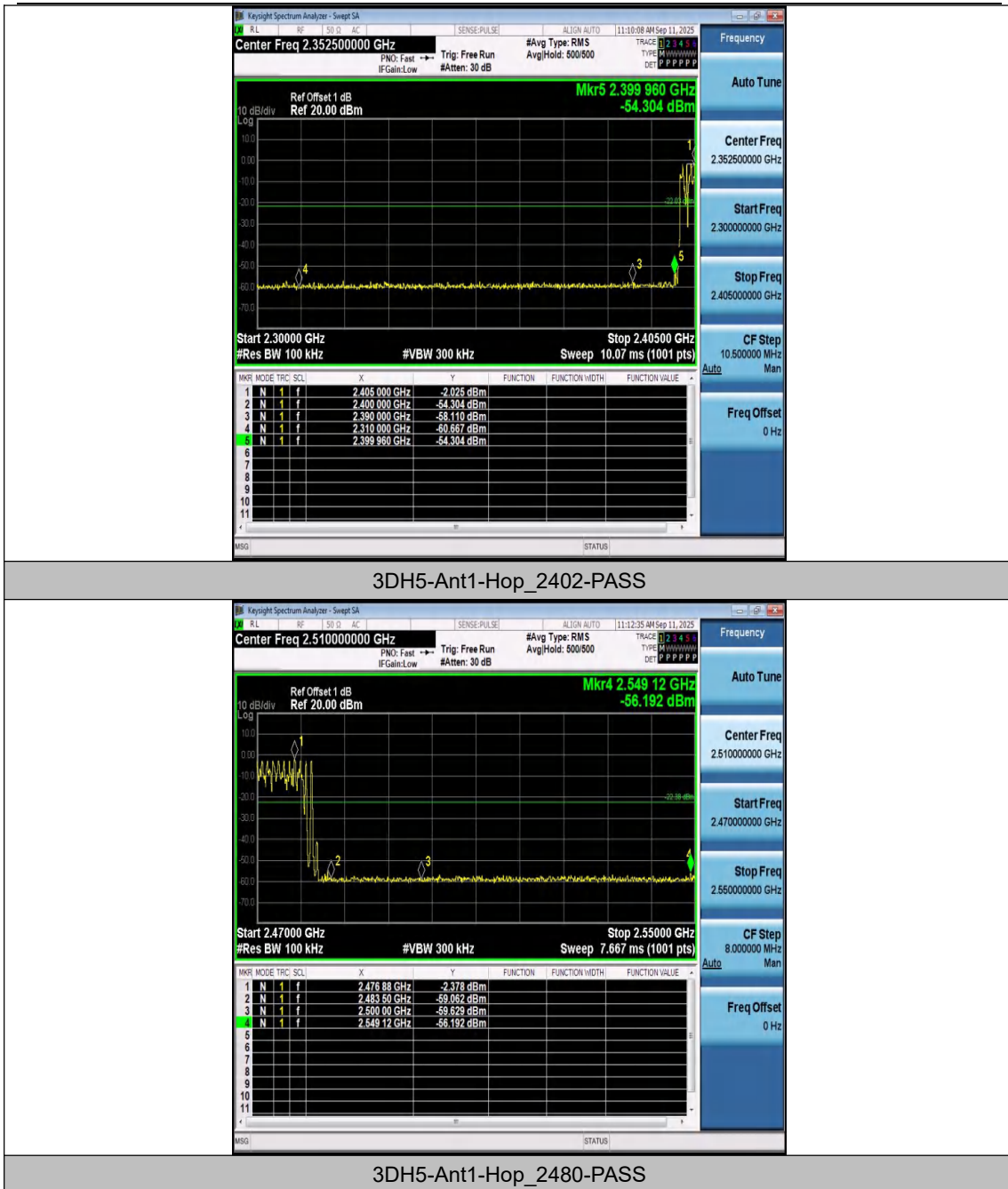
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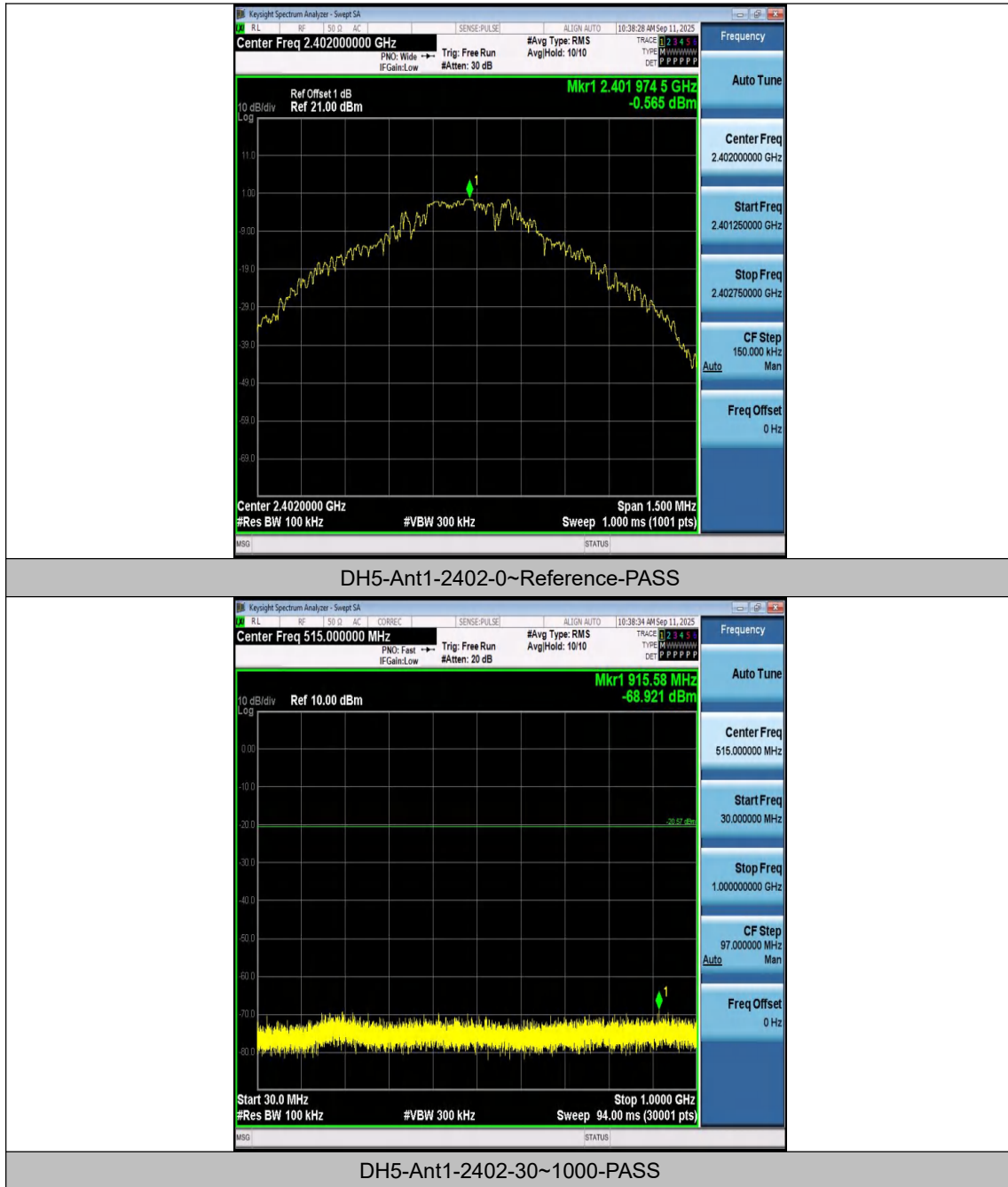
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.57	-0.57	---	PASS
DH5	Ant1	2402	30~1000	-0.57	-68.92	≤-20.57	PASS
DH5	Ant1	2402	1000~26500	-0.57	-53.42	≤-20.57	PASS
DH5	Ant1	2441	0~Reference	-0.76	-0.76	---	PASS
DH5	Ant1	2441	30~1000	-0.76	-68.48	≤-20.76	PASS
DH5	Ant1	2441	1000~26500	-0.76	-52.89	≤-20.76	PASS
DH5	Ant1	2480	0~Reference	-1.99	-1.99	---	PASS
DH5	Ant1	2480	30~1000	-1.99	-69.09	≤-21.99	PASS
DH5	Ant1	2480	1000~26500	-1.99	-53.08	≤-21.99	PASS
2DH5	Ant1	2402	0~Reference	-3.79	-3.79	---	PASS
2DH5	Ant1	2402	30~1000	-3.79	-68.5	≤-23.79	PASS
2DH5	Ant1	2402	1000~26500	-3.79	-53.57	≤-23.79	PASS
2DH5	Ant1	2441	0~Reference	-0.85	-0.85	---	PASS
2DH5	Ant1	2441	30~1000	-0.85	-69.28	≤-20.85	PASS
2DH5	Ant1	2441	1000~26500	-0.85	-52.87	≤-20.85	PASS
2DH5	Ant1	2480	0~Reference	-4.92	-4.92	---	PASS
2DH5	Ant1	2480	30~1000	-4.92	-67.87	≤-24.92	PASS
2DH5	Ant1	2480	1000~26500	-4.92	-52.86	≤-24.92	PASS
3DH5	Ant1	2402	0~Reference	-2.06	-2.06	---	PASS
3DH5	Ant1	2402	30~1000	-2.06	-69.24	≤-22.06	PASS
3DH5	Ant1	2402	1000~26500	-2.06	-53.25	≤-22.06	PASS
3DH5	Ant1	2441	0~Reference	-1.69	-1.69	---	PASS
3DH5	Ant1	2441	30~1000	-1.69	-69.01	≤-21.69	PASS
3DH5	Ant1	2441	1000~26500	-1.69	-48.01	≤-21.69	PASS
3DH5	Ant1	2480	0~Reference	-3.20	-3.20	---	PASS
3DH5	Ant1	2480	30~1000	-3.20	-68.74	≤-23.2	PASS
3DH5	Ant1	2480	1000~26500	-3.20	-53.54	≤-23.2	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.

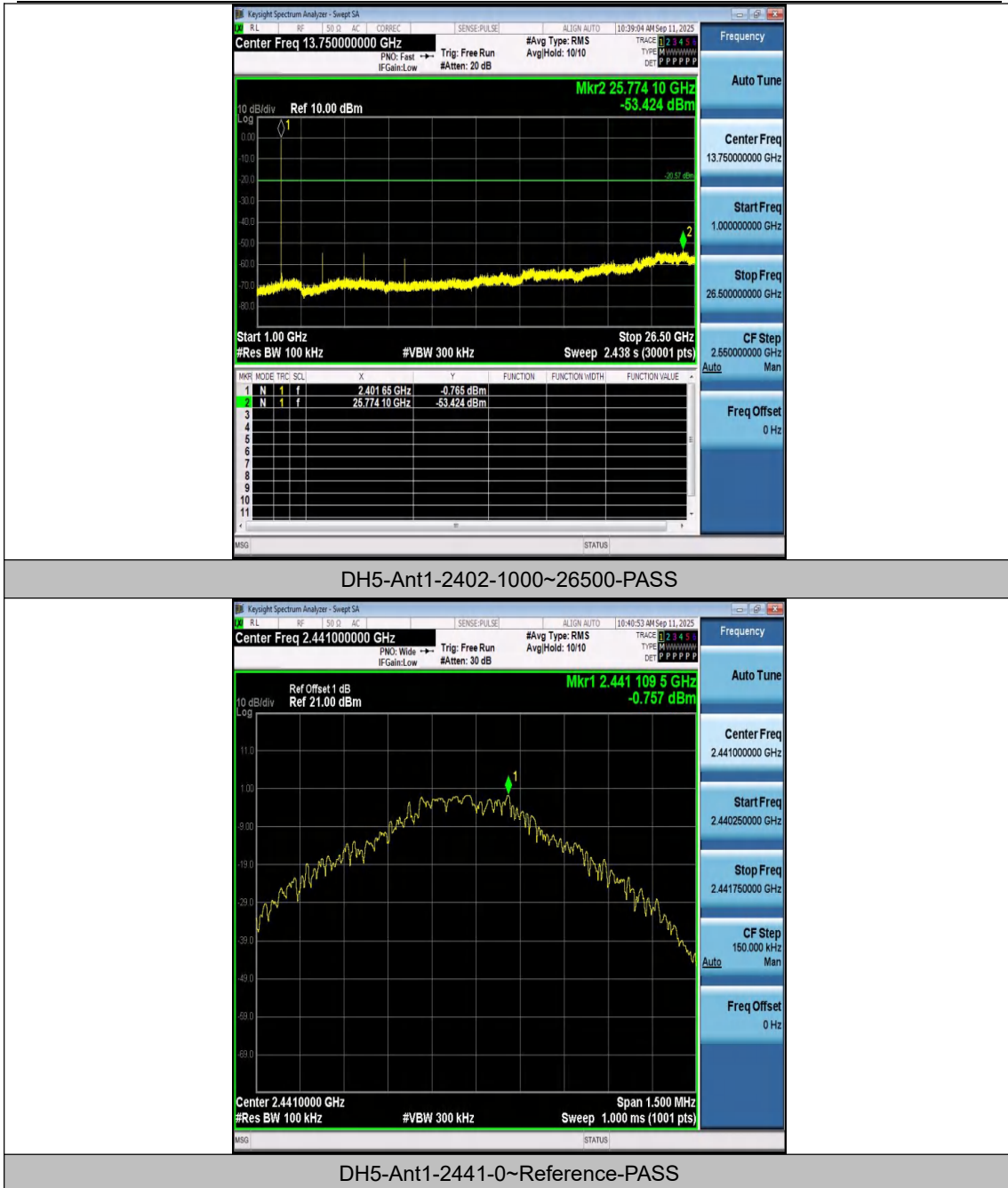
Test Graphs



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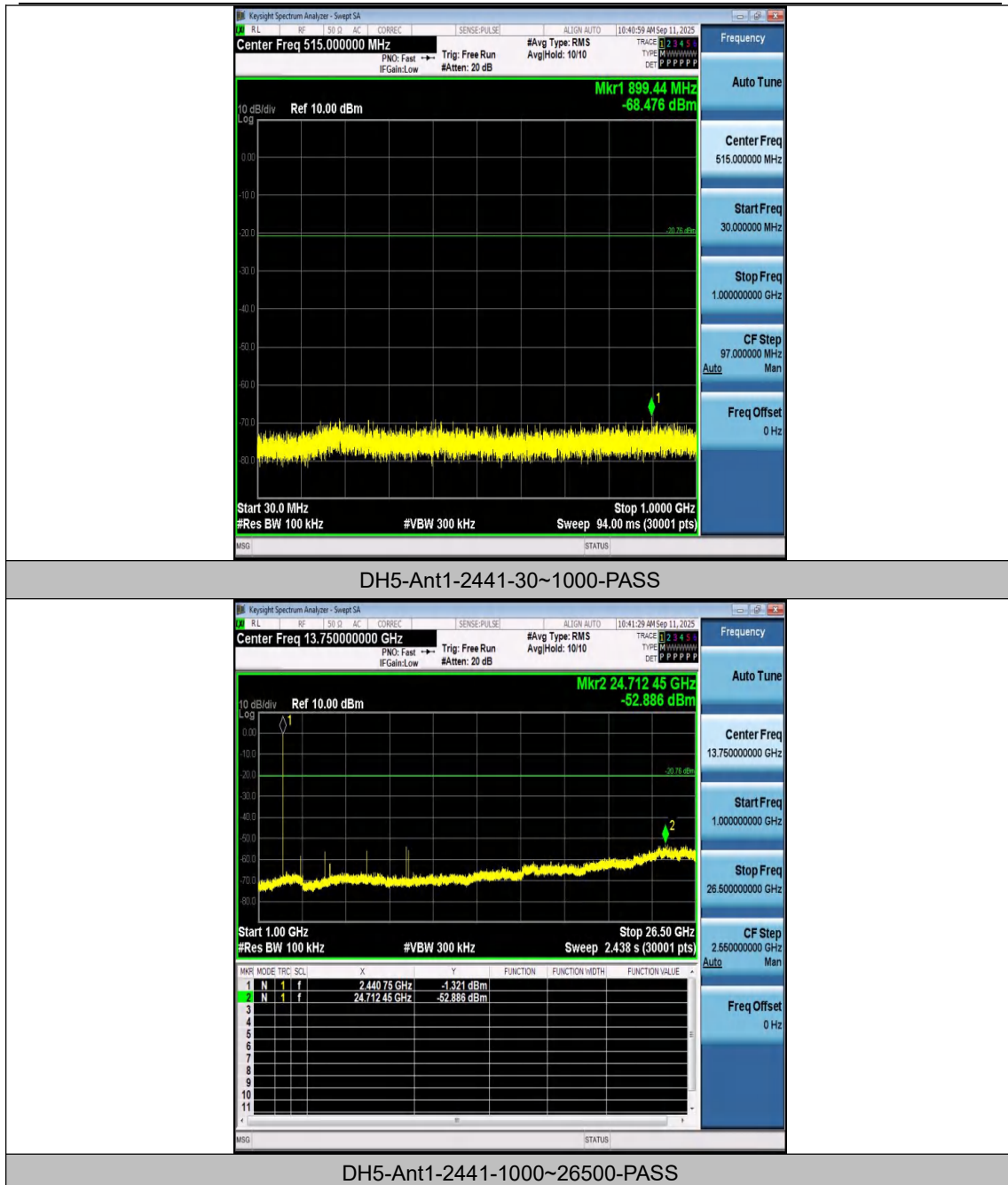
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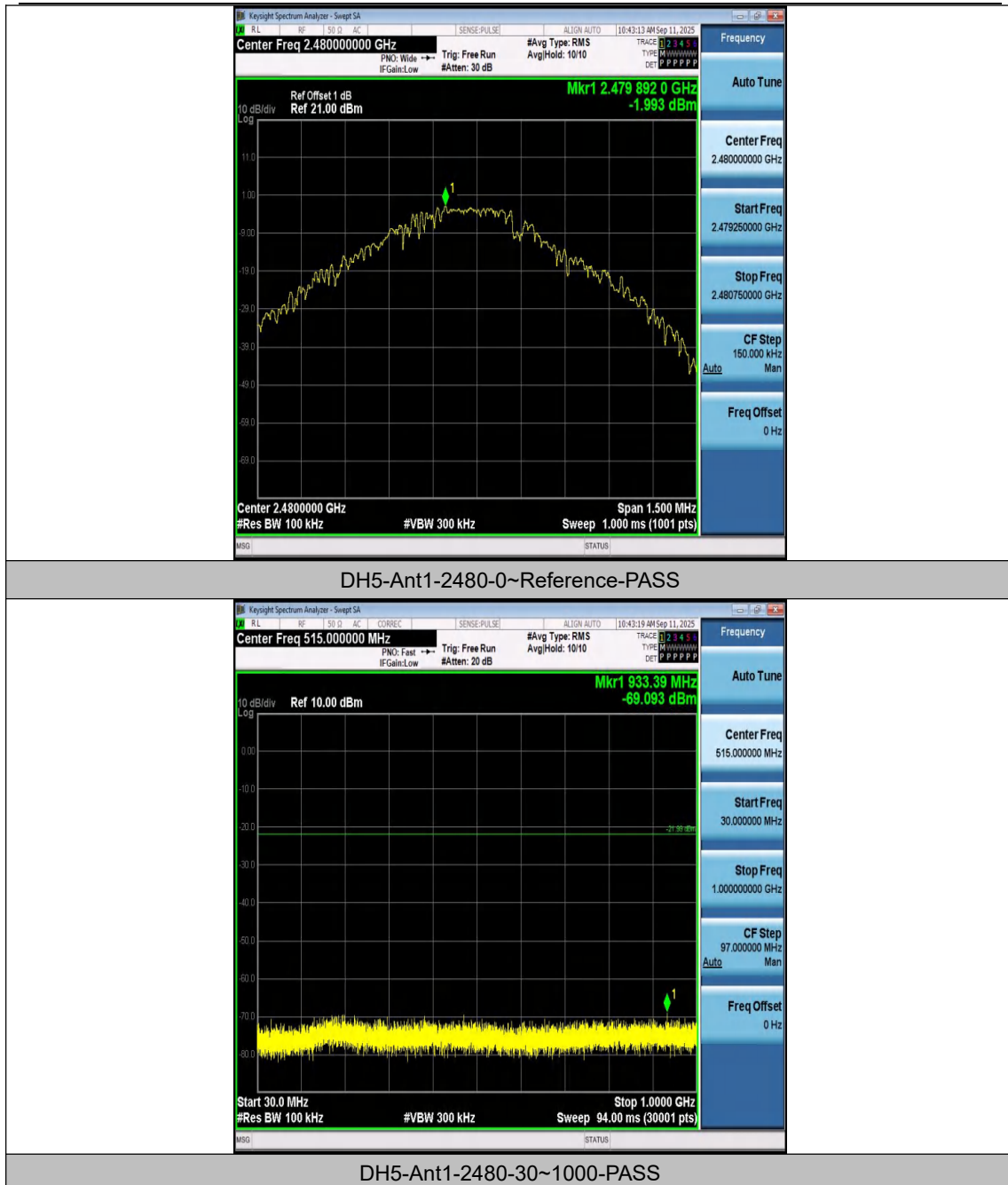
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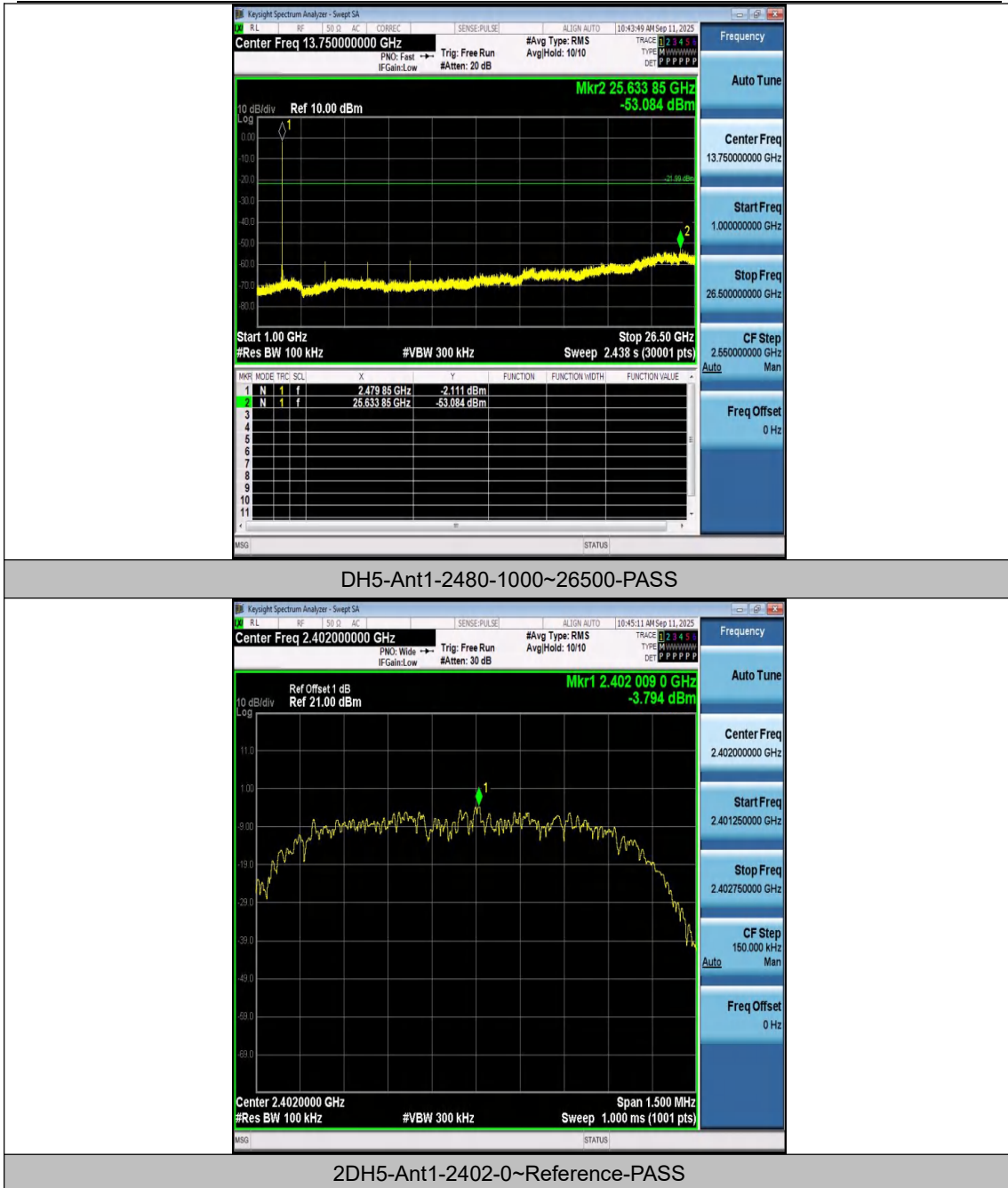
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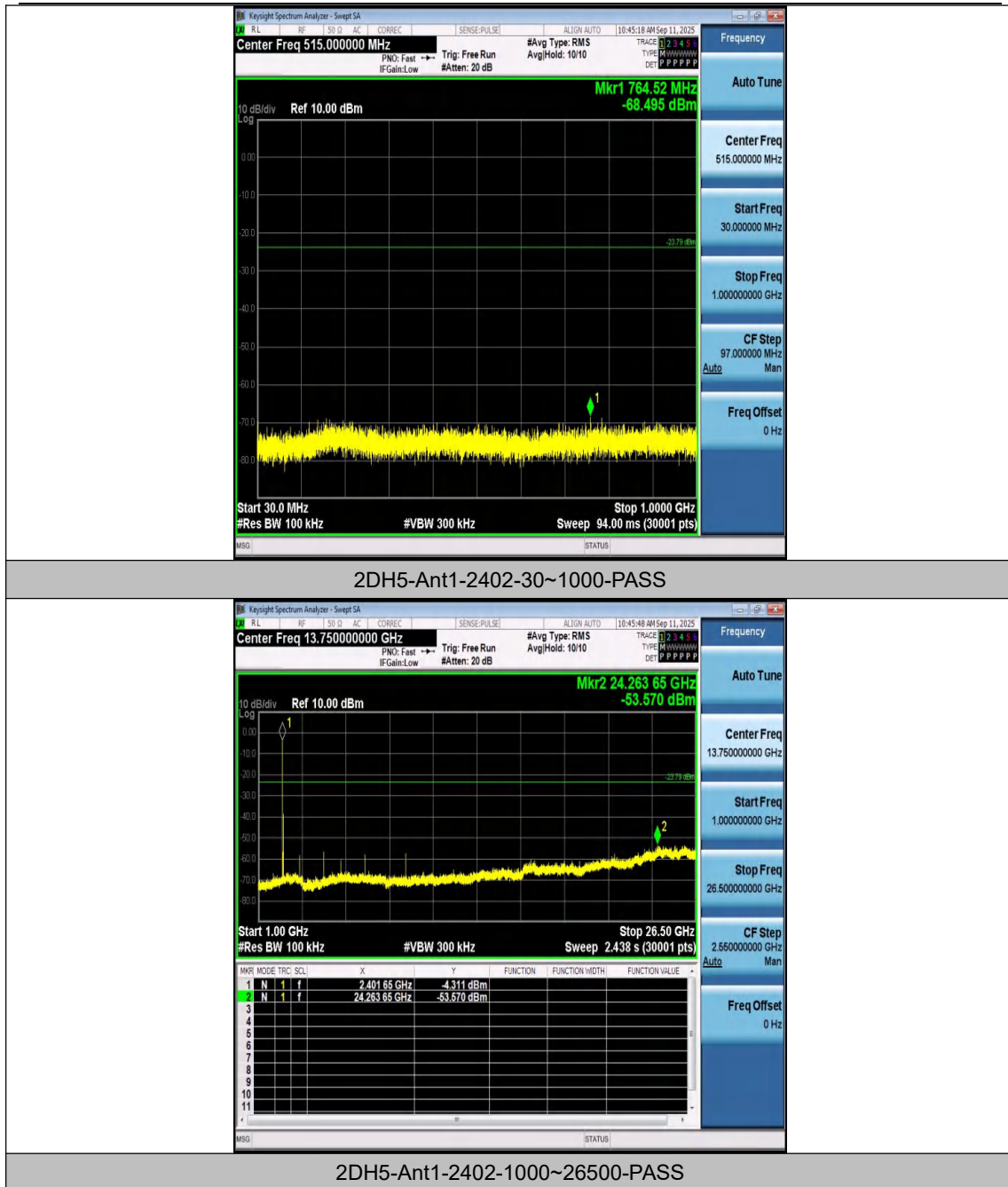
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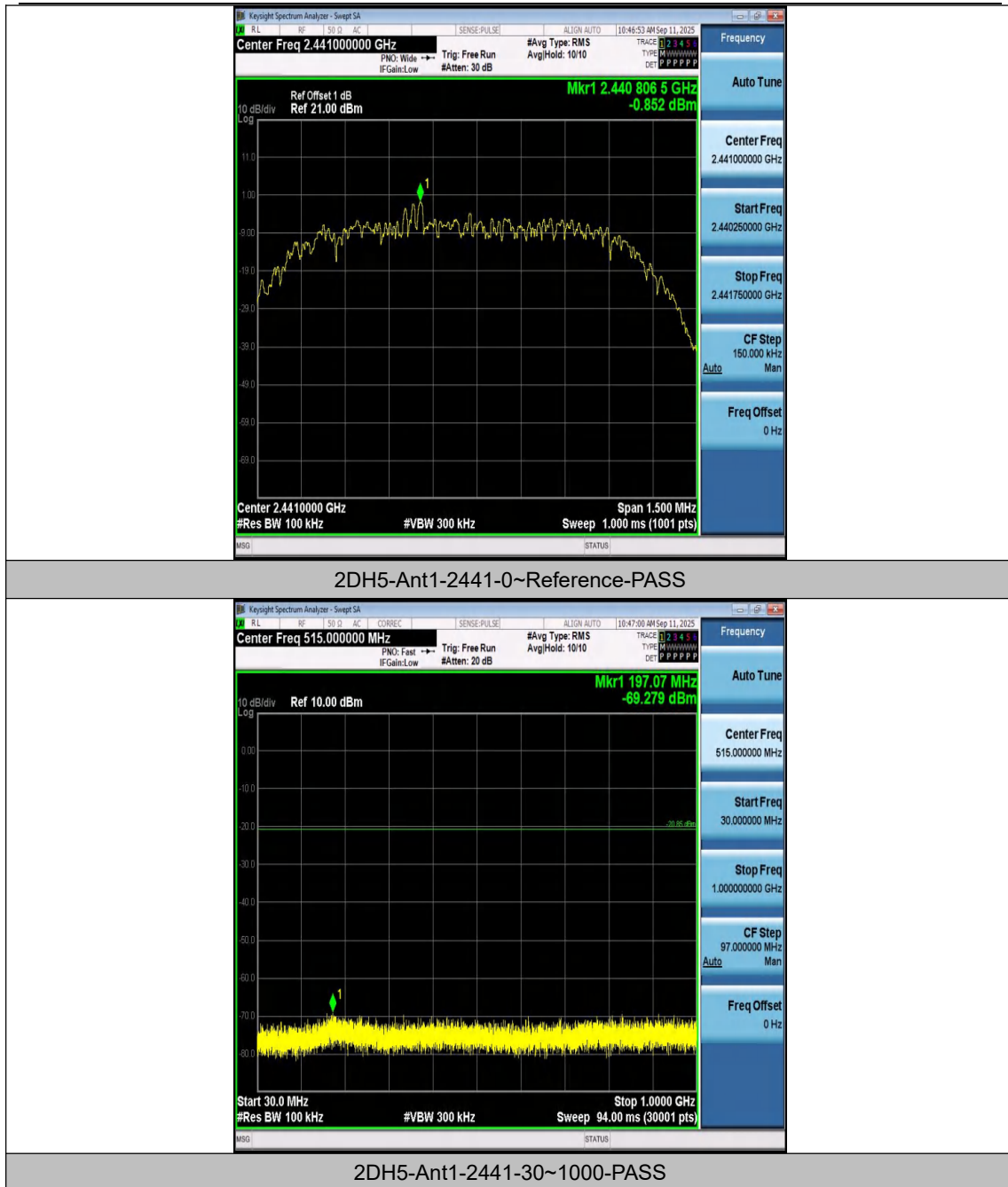


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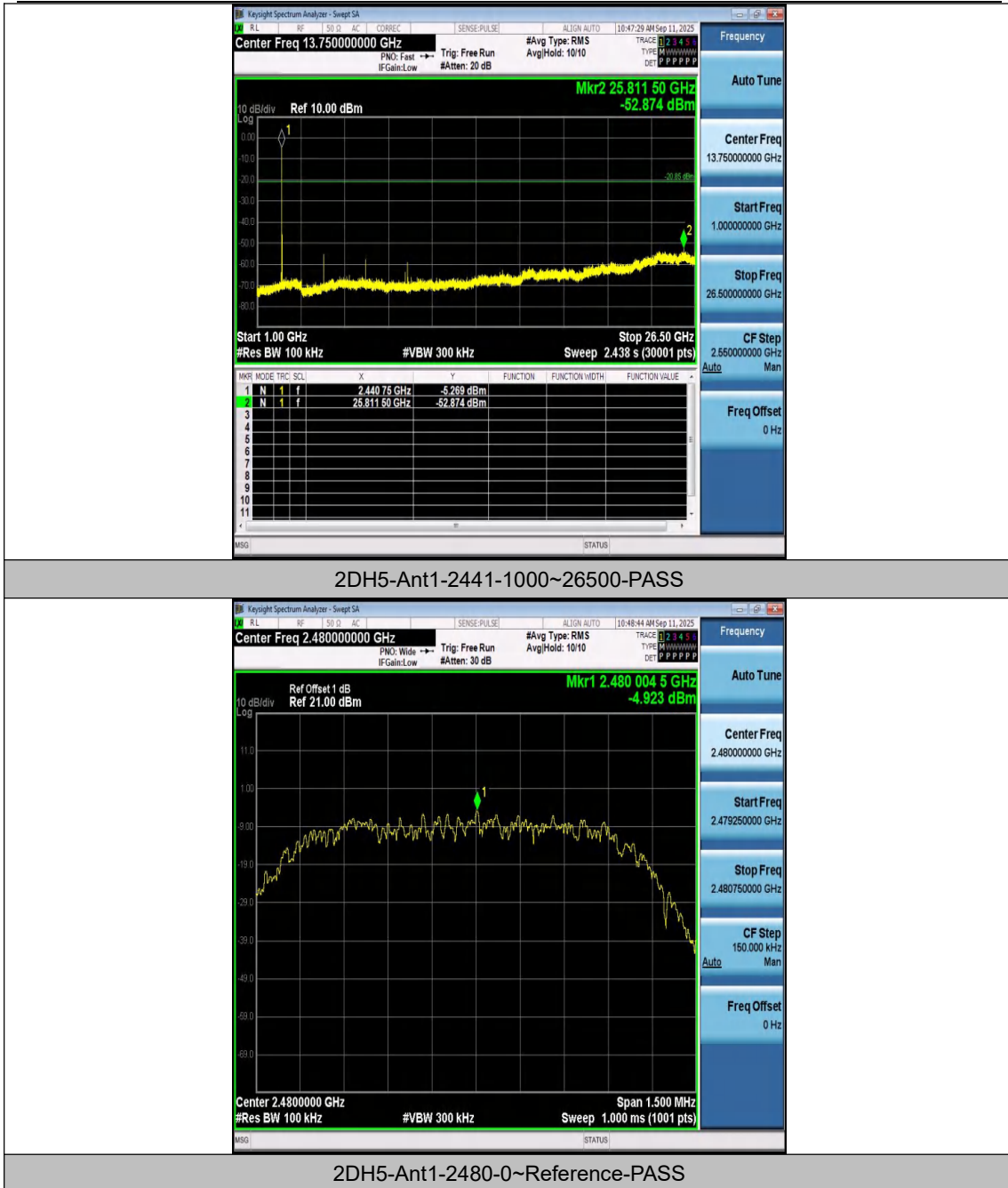




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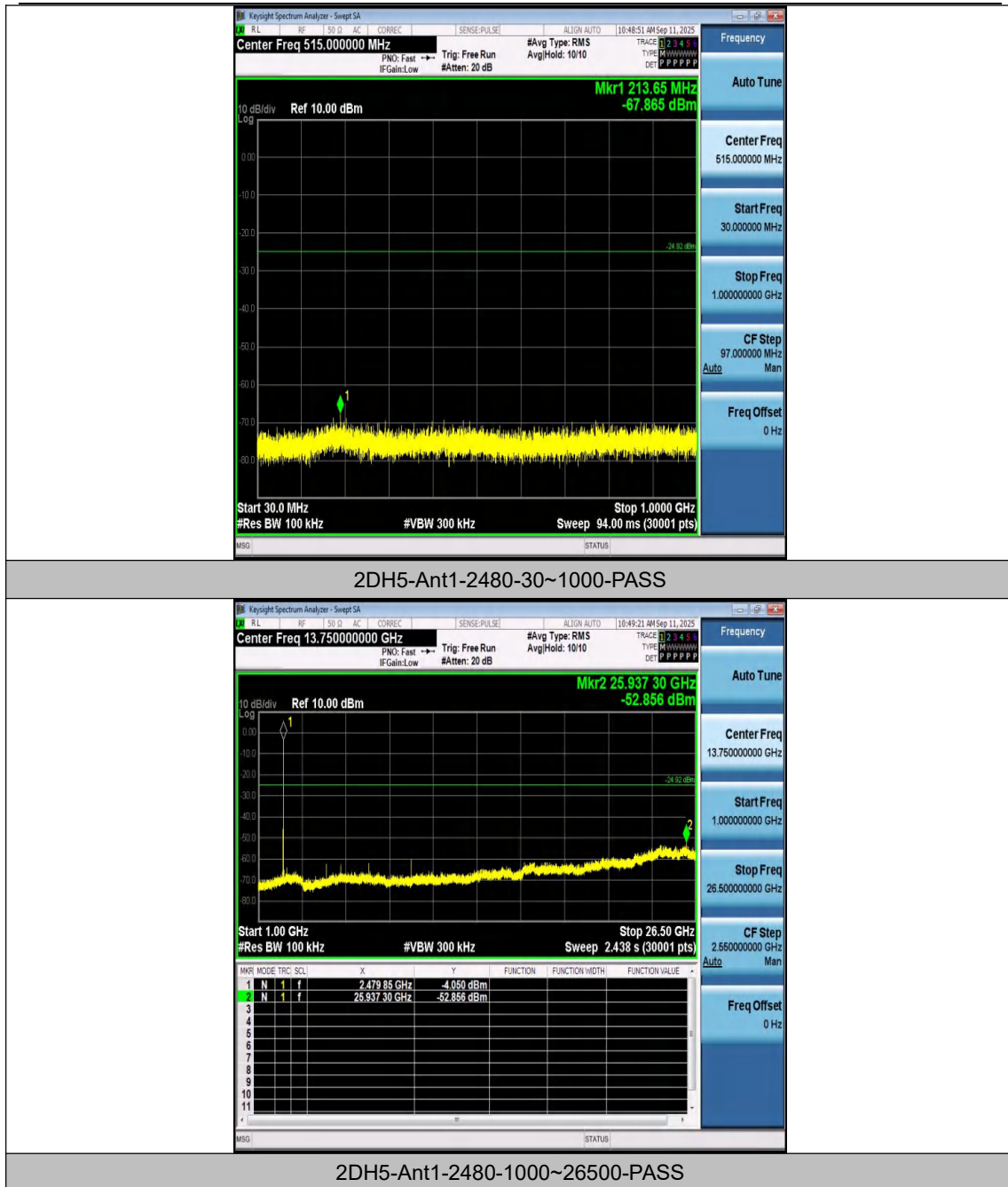
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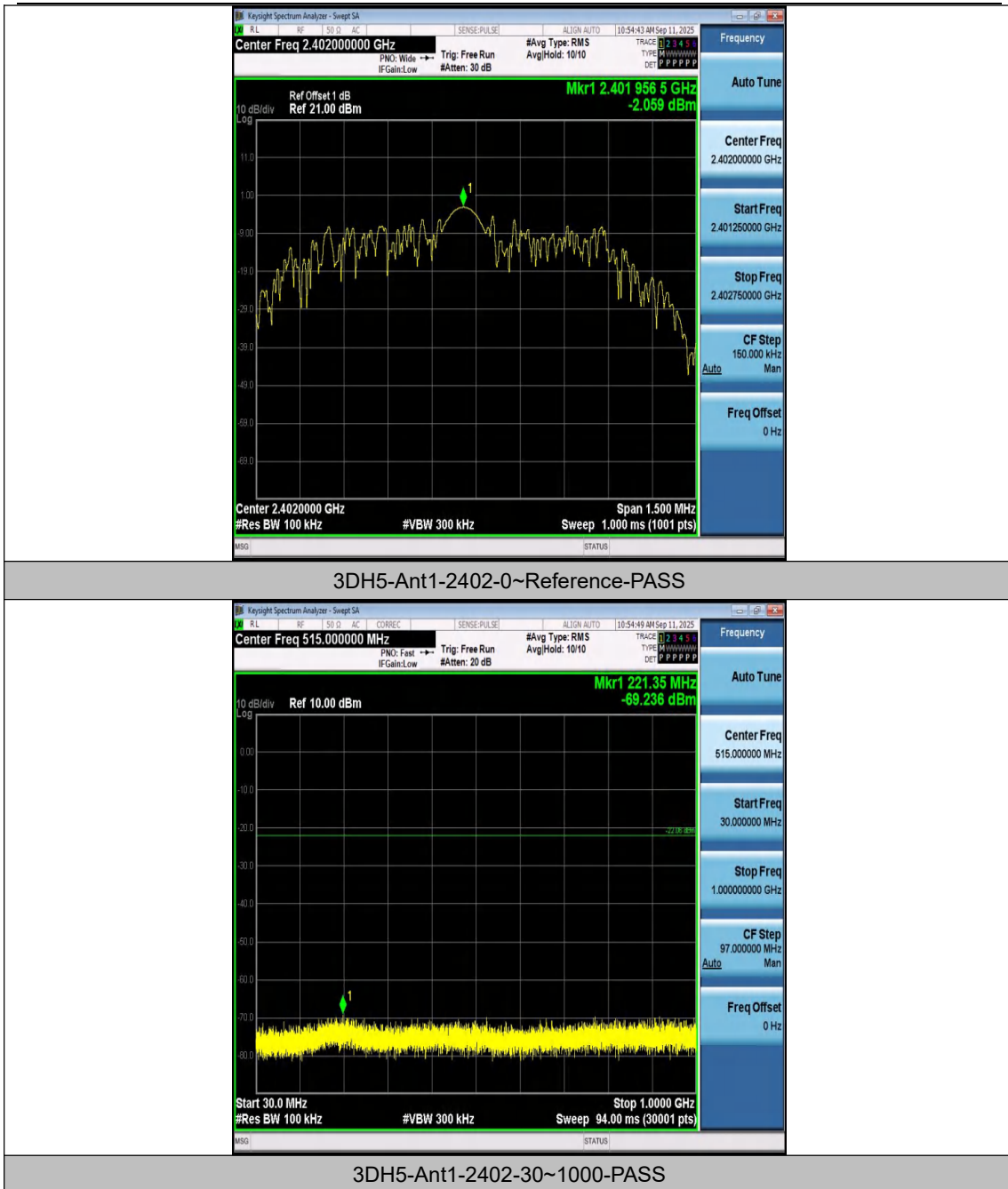
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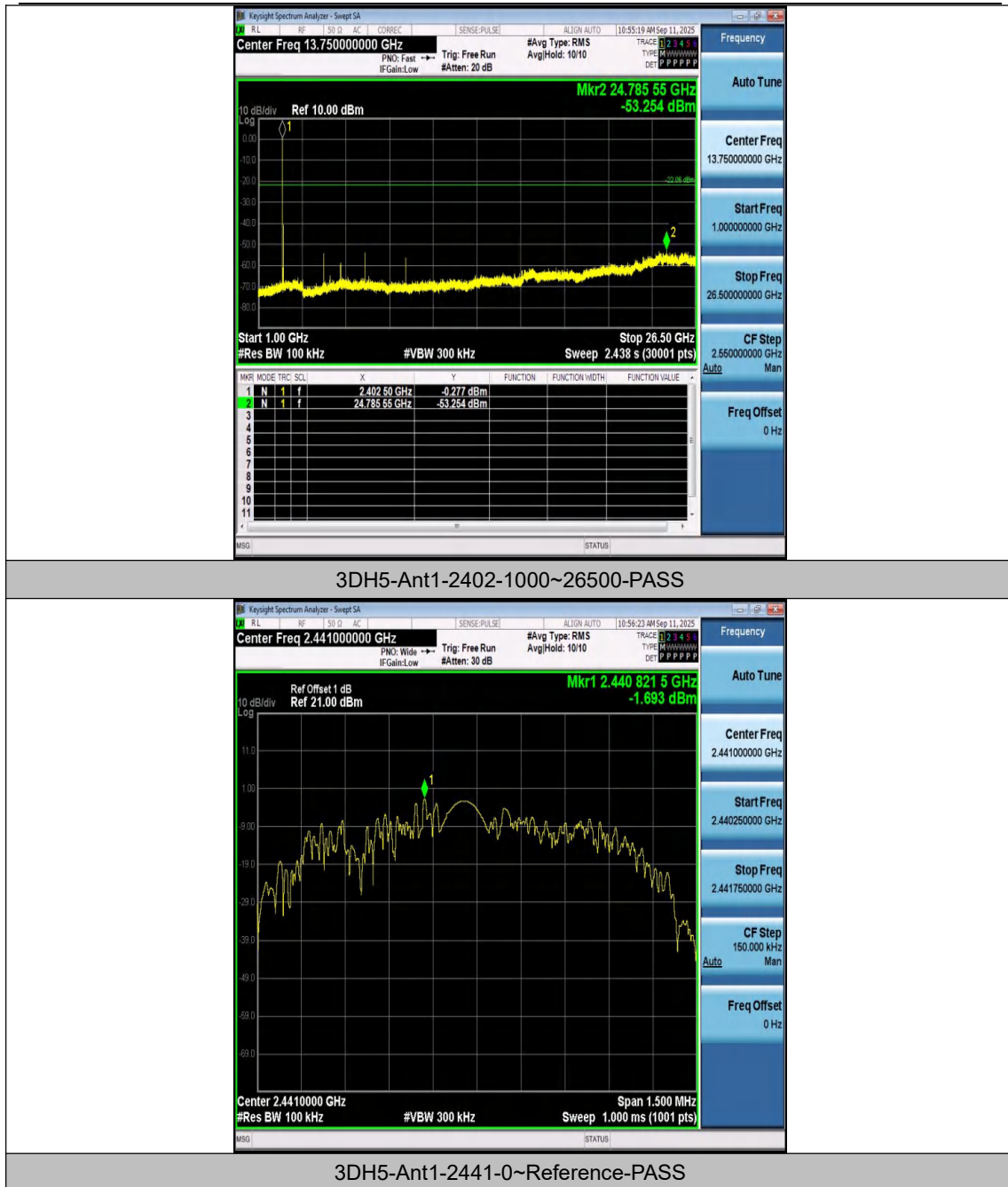
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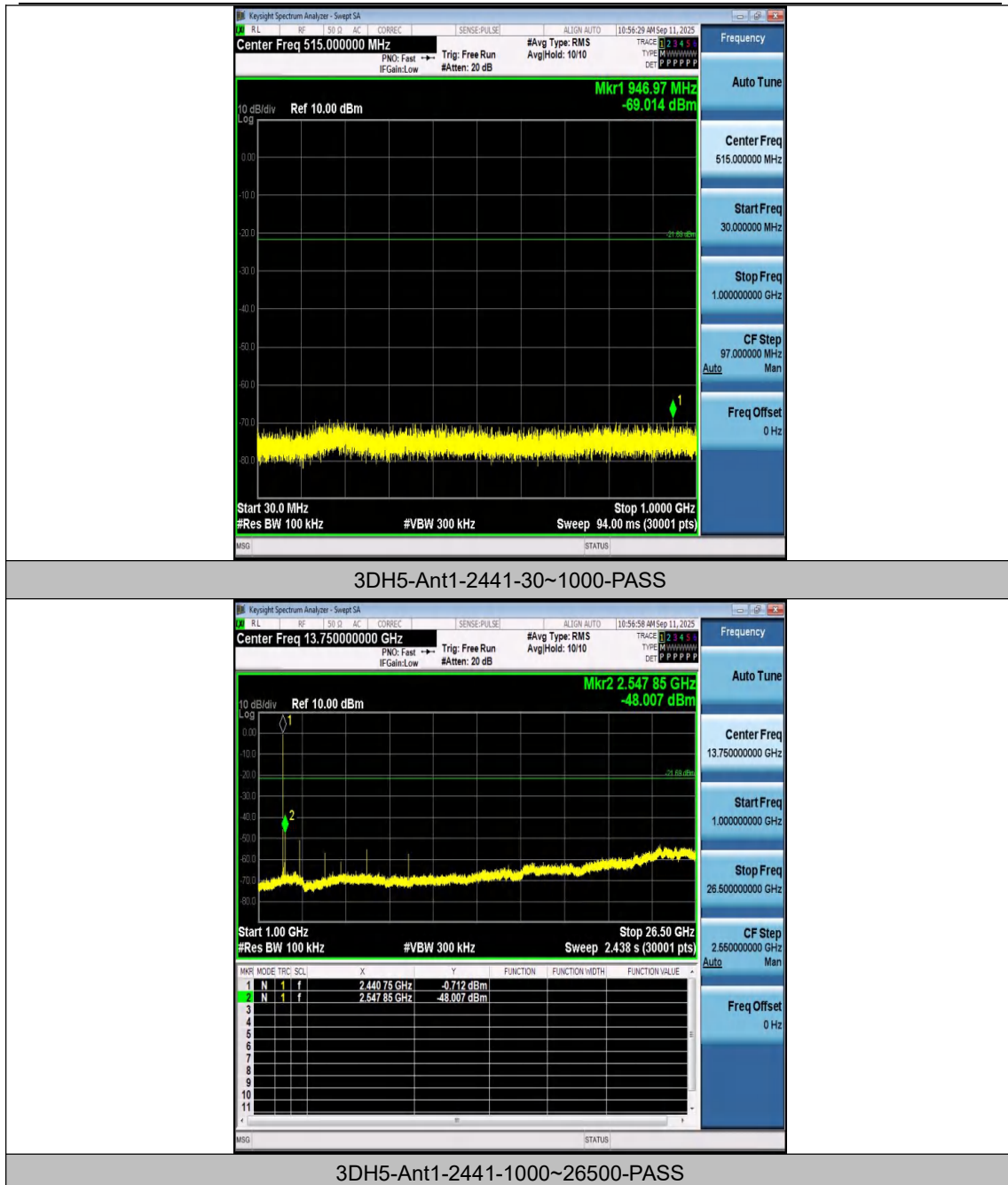
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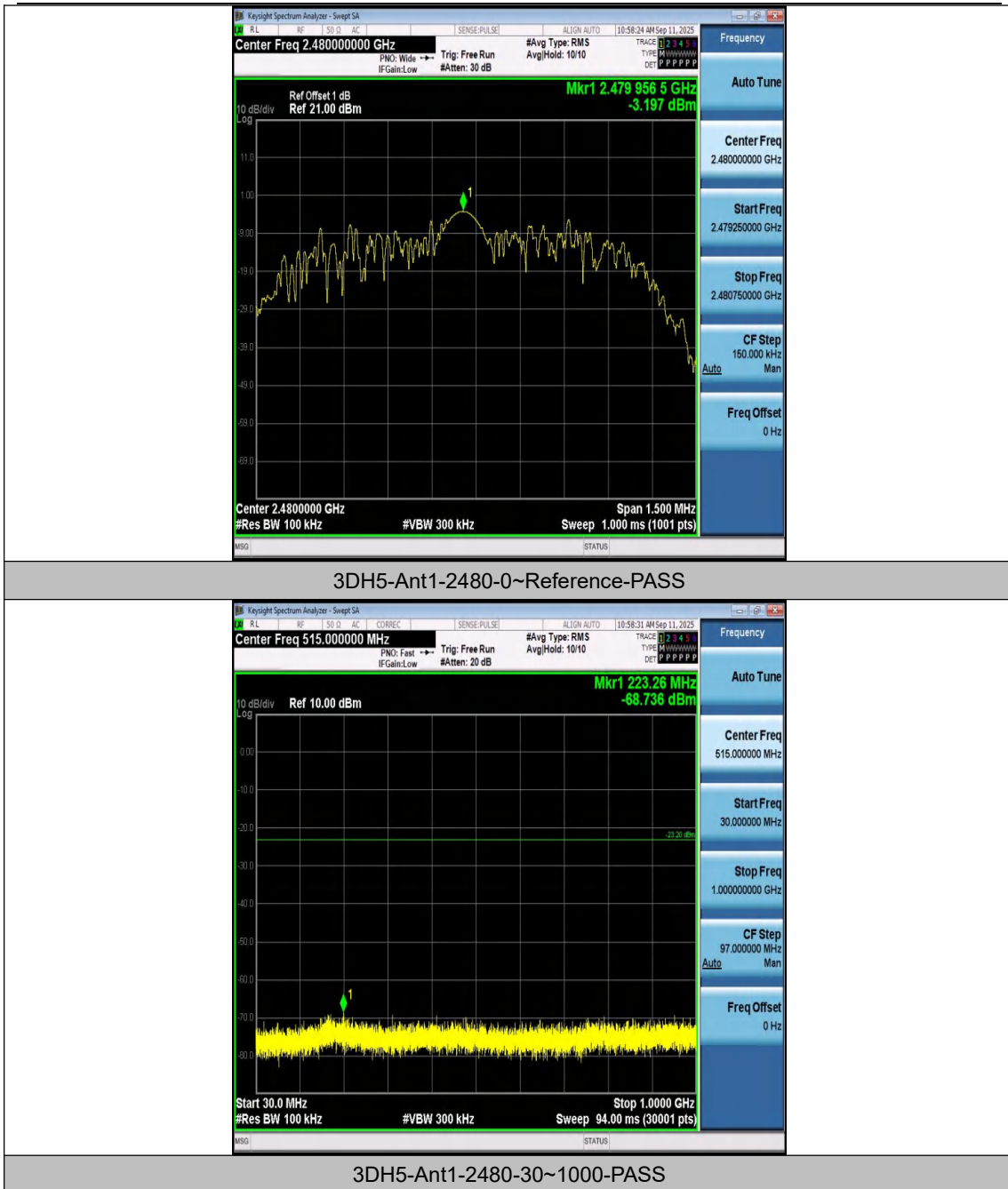
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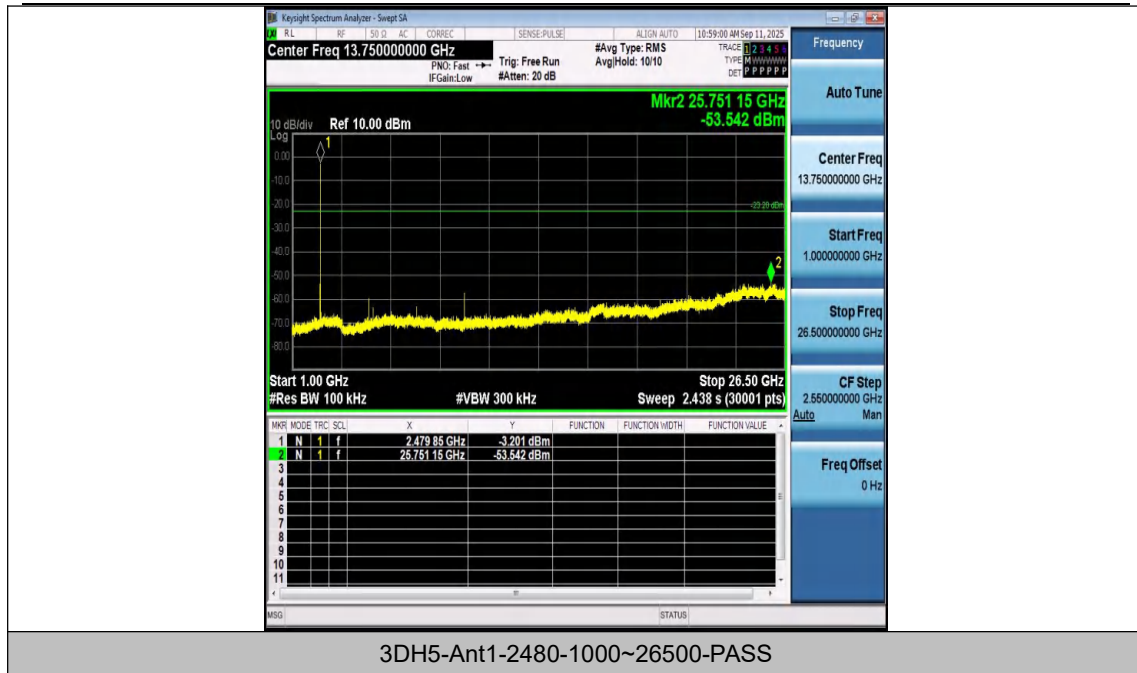
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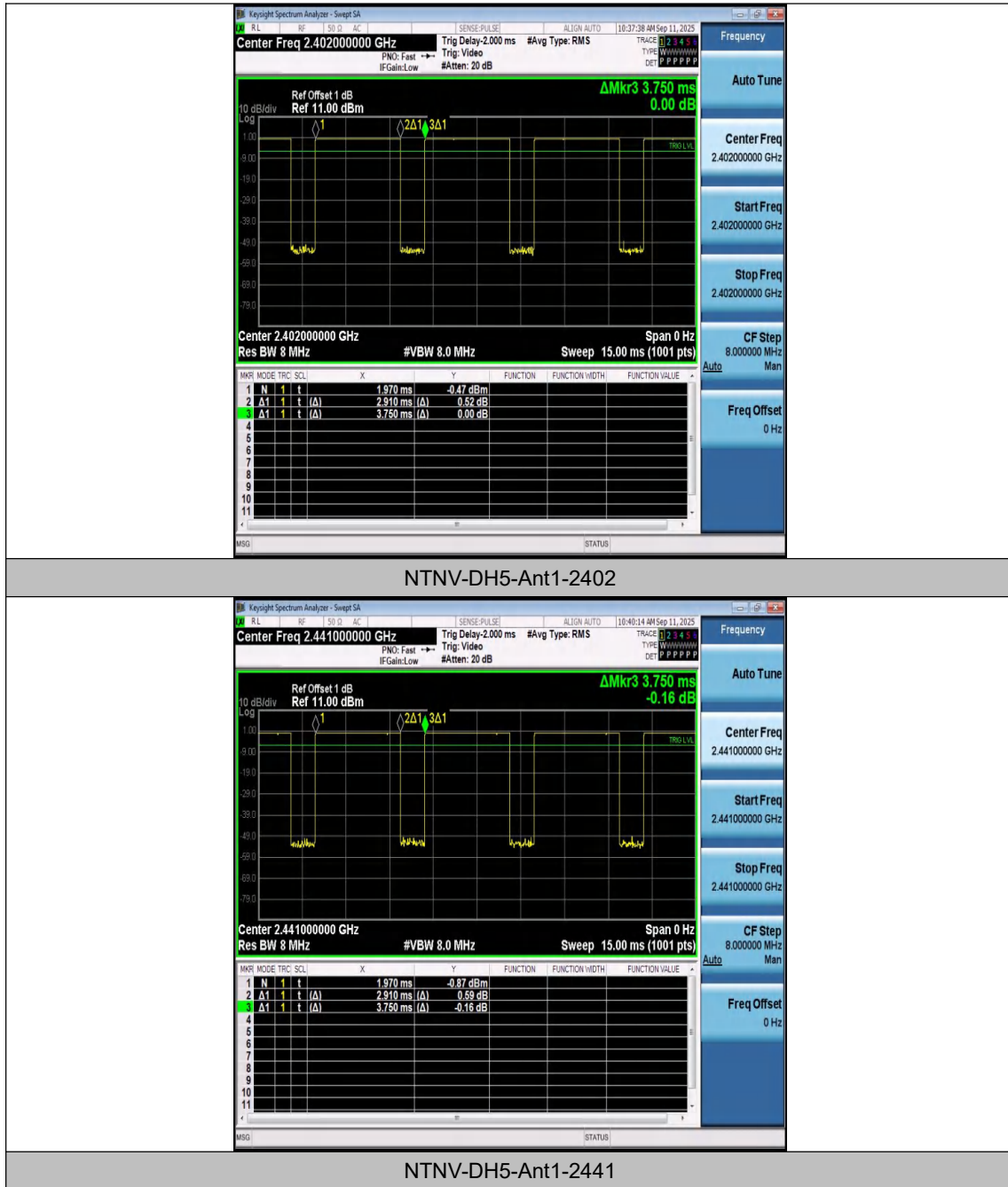
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Appendix I: Duty Cycle

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	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.92	3.75	77.87	1.09
2DH5	Ant1	2480	2.93	3.75	78.13	1.07
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

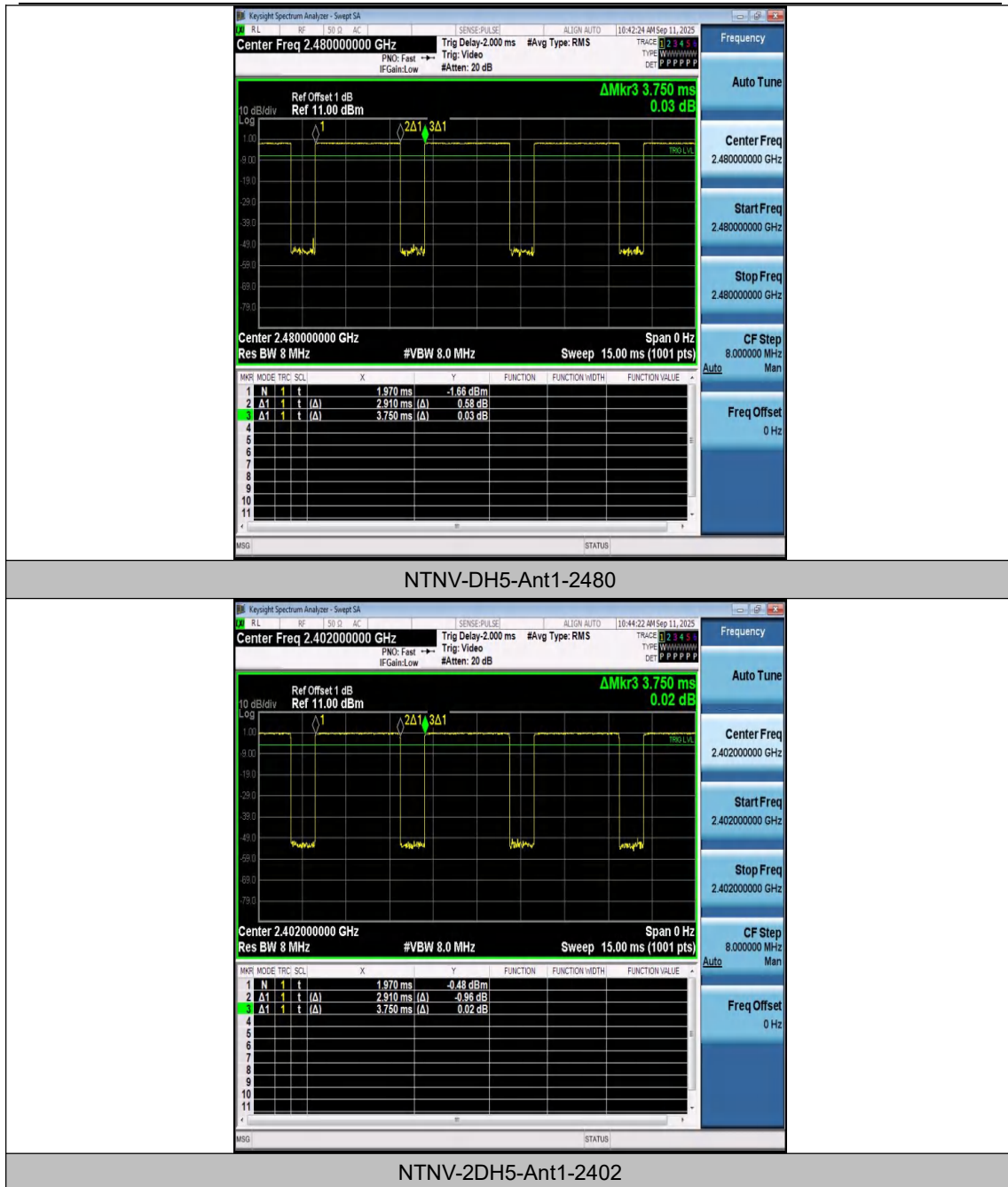
Test Graphs



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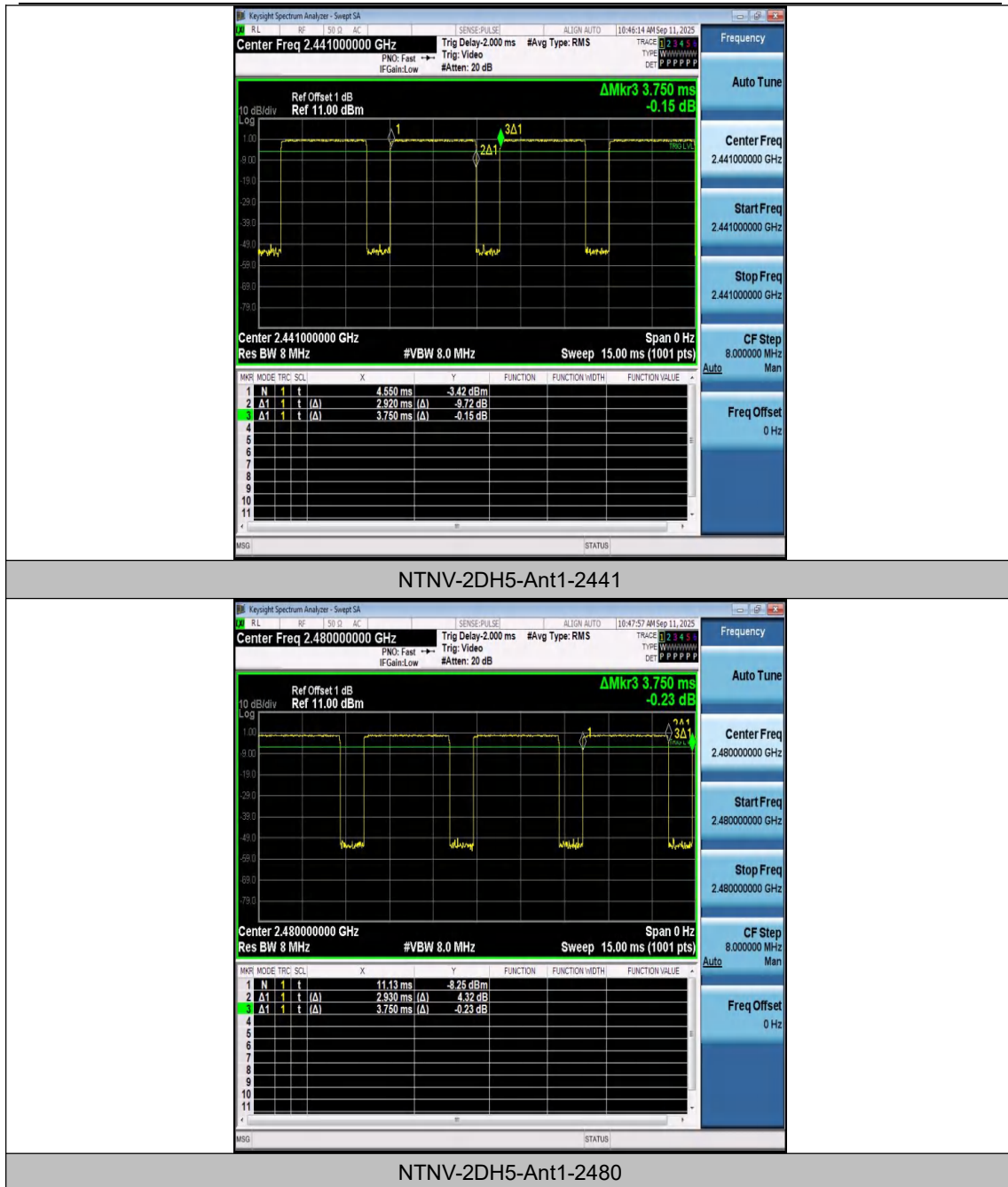
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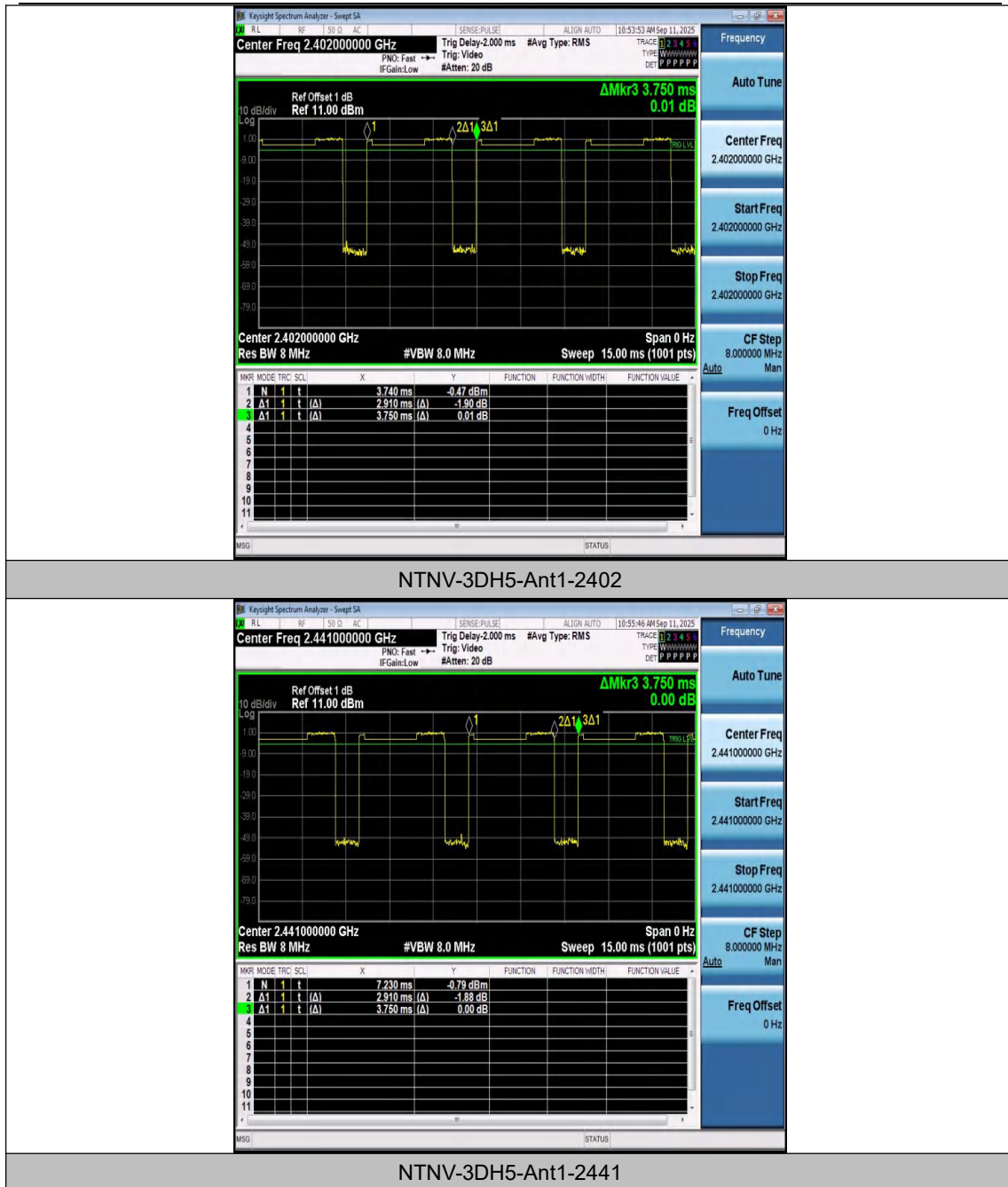


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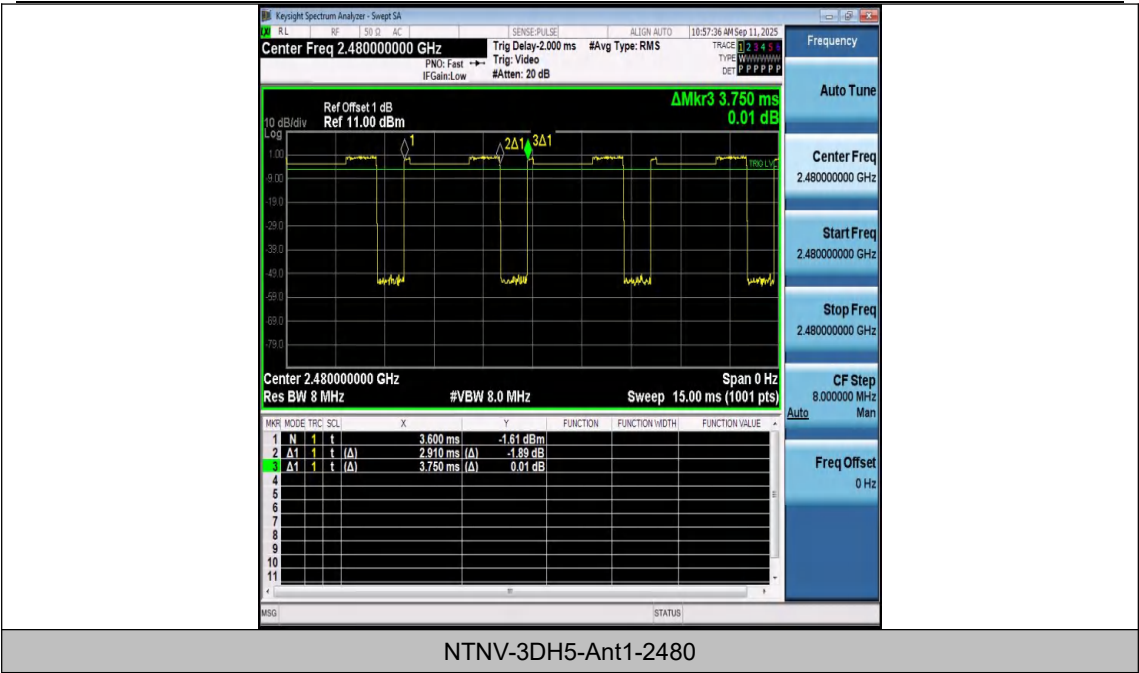




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NTNV-3DH5-Ant1-2480

---End---