

Appendix Test Data

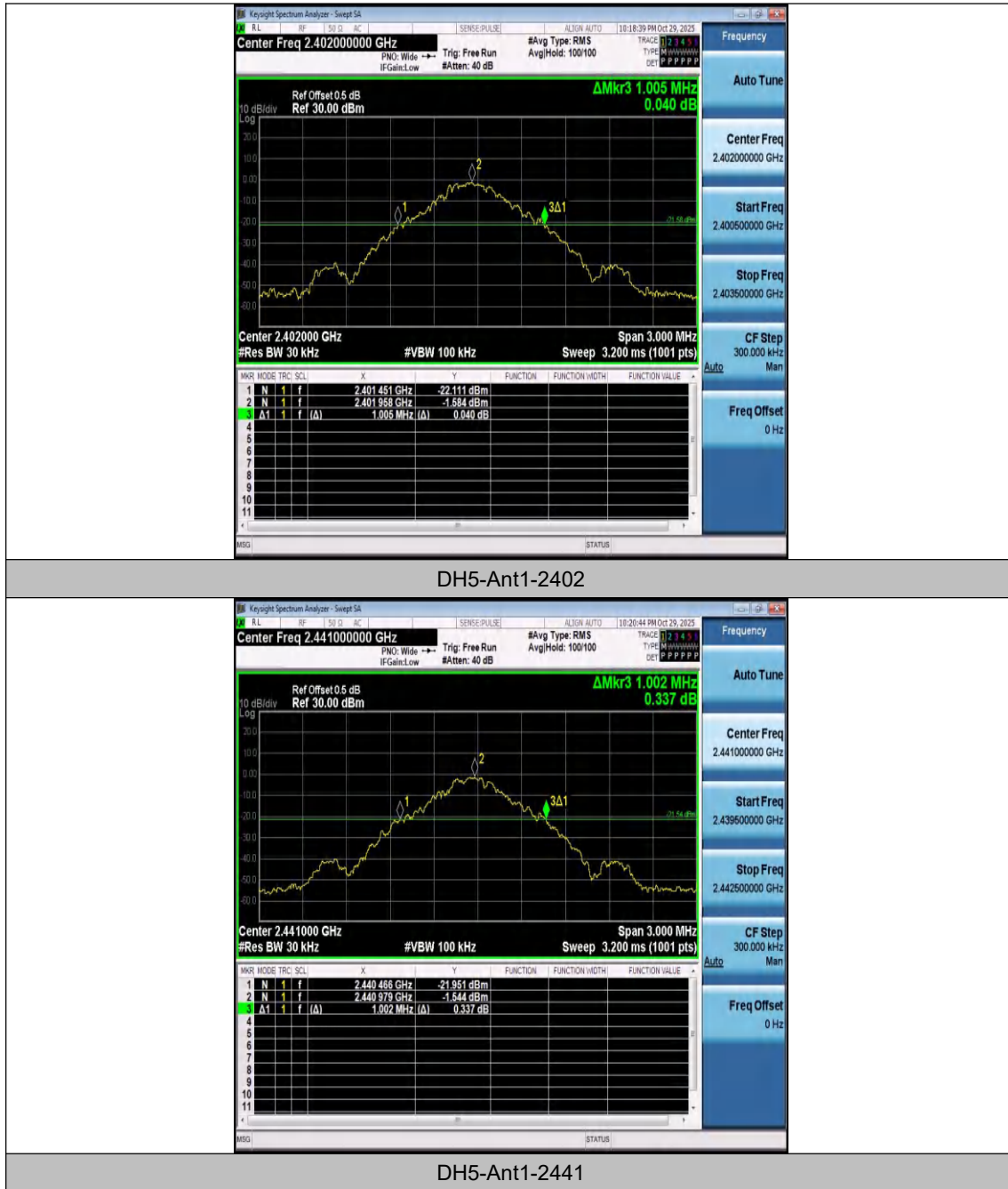
Report No.:	1812C50541412501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-15	Finish Test Date:	2025-10-29
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.7°C	Relative Humidity:	50%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.005	2401.451	2402.456	---	---
DH5	Ant1	2441	1.002	2440.466	2441.468	---	---
DH5	Ant1	2480	1.023	2479.445	2480.468	---	---
2DH5	Ant1	2402	1.290	2401.331	2402.621	---	---
2DH5	Ant1	2441	1.281	2440.334	2441.615	---	---
2DH5	Ant1	2480	1.359	2479.286	2480.645	---	---
3DH5	Ant1	2402	1.302	2401.316	2402.618	---	---
3DH5	Ant1	2441	1.299	2440.316	2441.615	---	---
3DH5	Ant1	2480	1.314	2479.313	2480.627	---	---

Test Graphs



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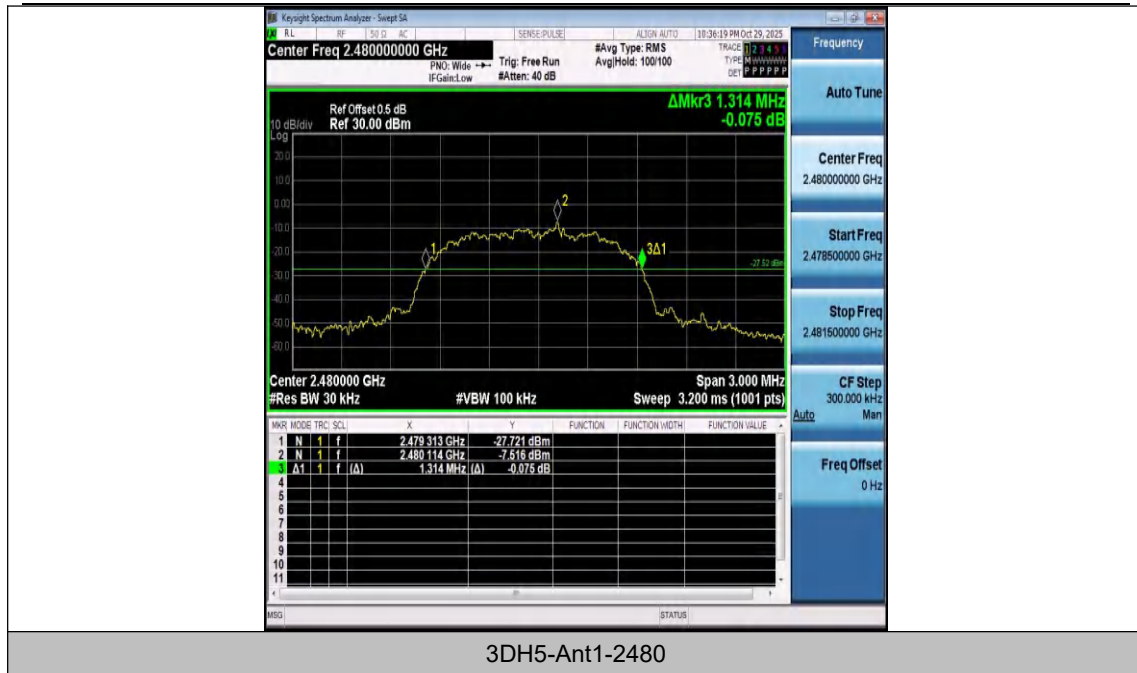
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88673	2401.5246	2402.4114	---	---
DH5	Ant1	2441	0.89842	2440.5188	2441.4172	---	---
DH5	Ant1	2480	0.88587	2479.5249	2480.4107	---	---
2DH5	Ant1	2402	1.1911	2401.3696	2402.5607	---	---
2DH5	Ant1	2441	1.1810	2440.3755	2441.5565	---	---
2DH5	Ant1	2480	1.1792	2479.3719	2480.5511	---	---
3DH5	Ant1	2402	1.1939	2401.3636	2402.5575	---	---
3DH5	Ant1	2441	1.1873	2440.3706	2441.5579	---	---
3DH5	Ant1	2480	1.2013	2479.3609	2480.5622	---	---

Test Graphs



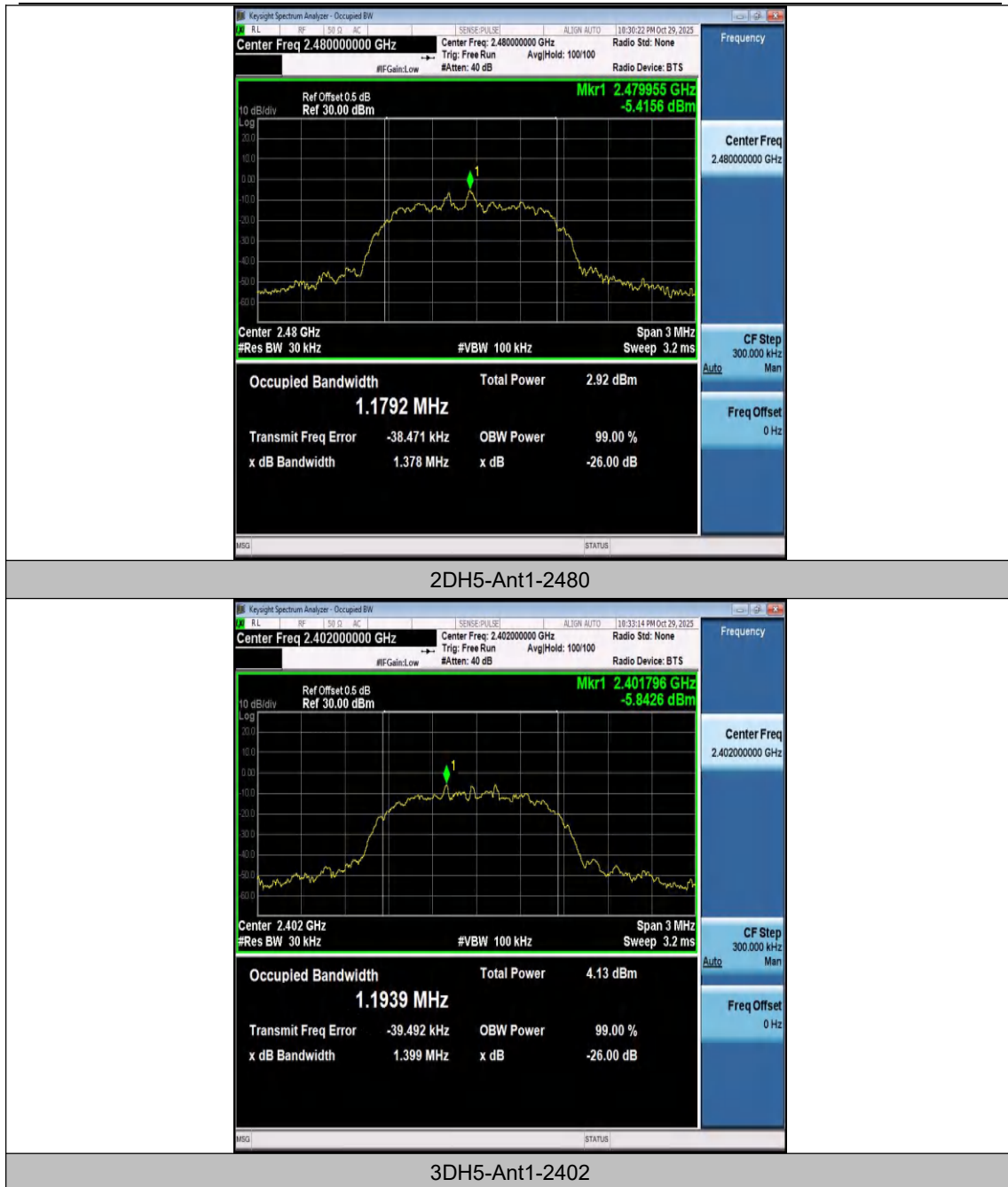


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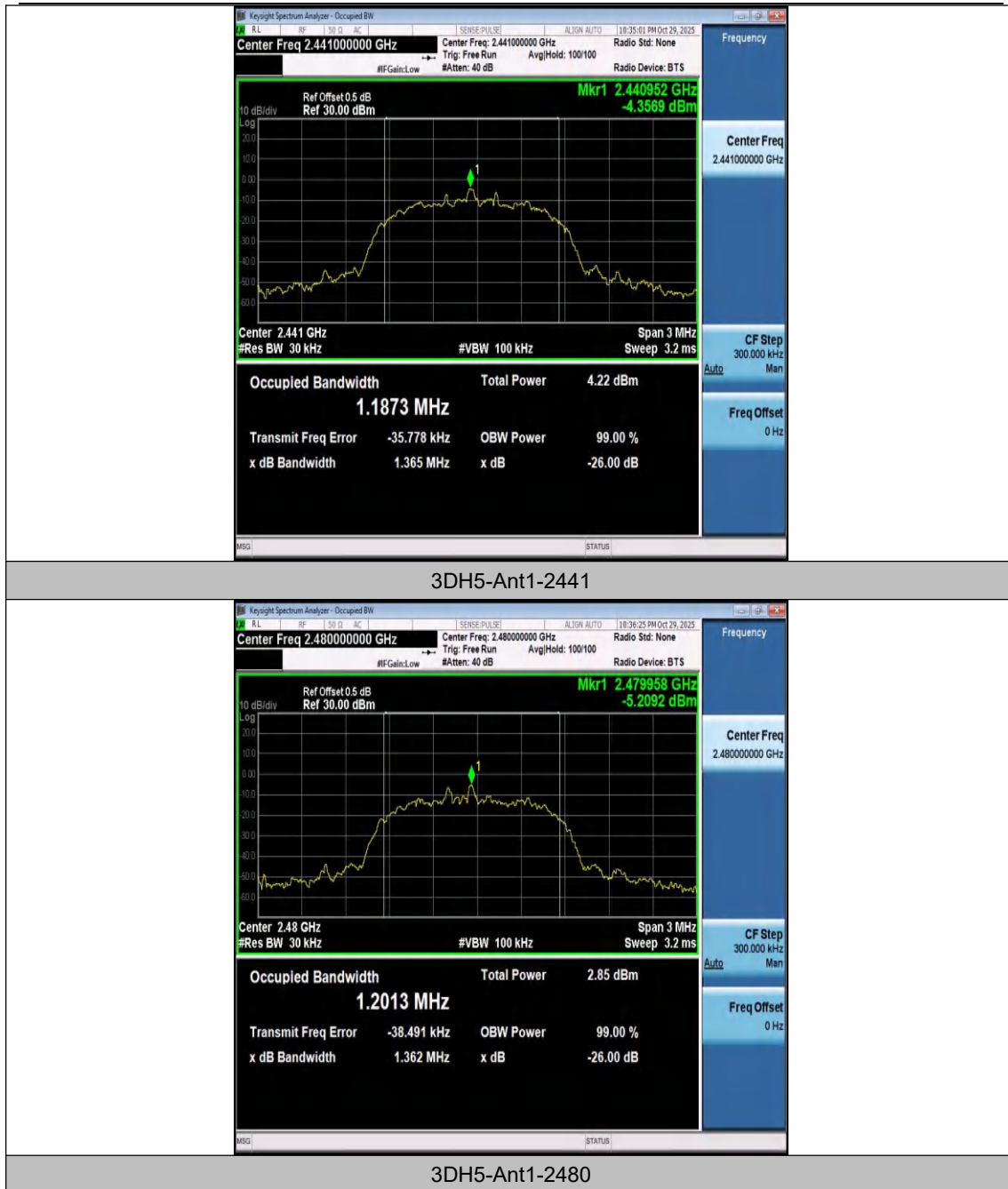




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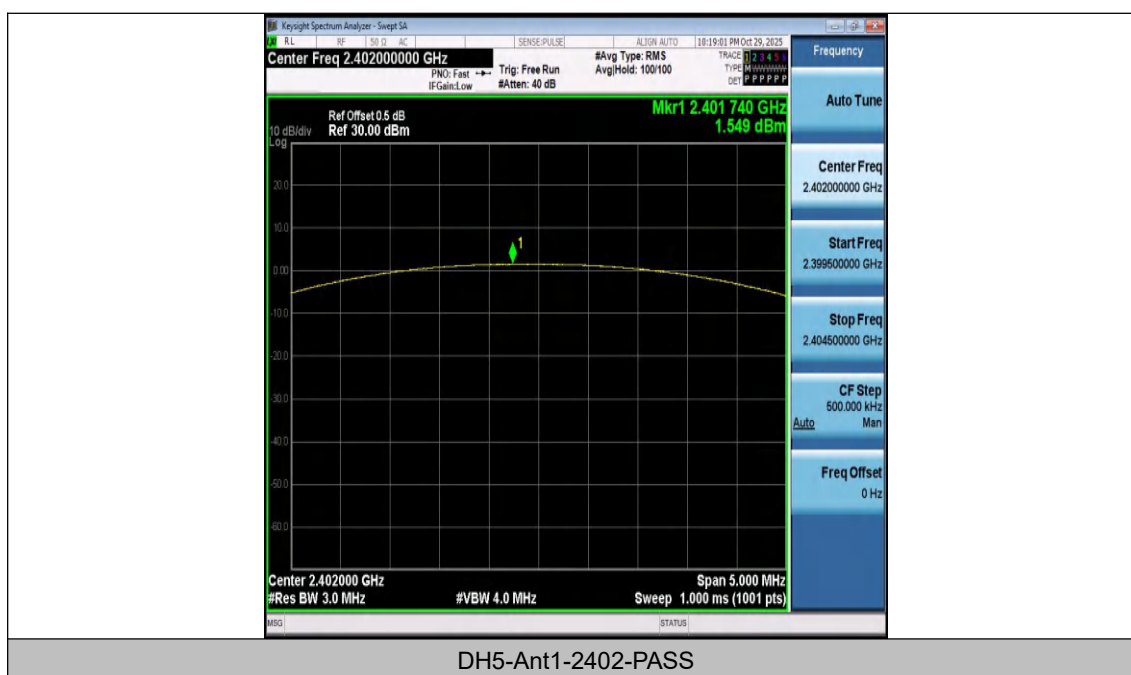
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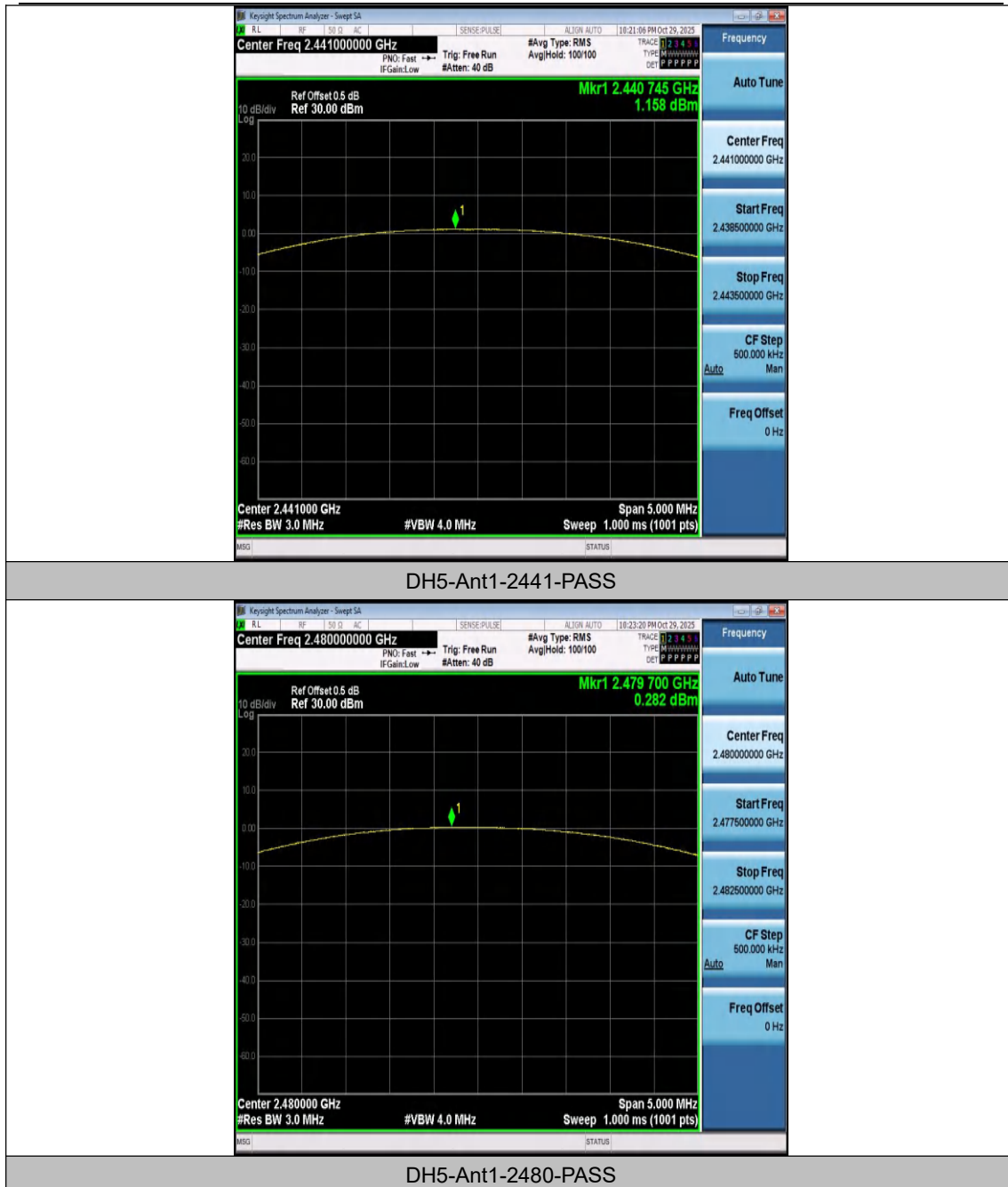
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.55	≤20.97	PASS
DH5	Ant1	2441	1.16	≤20.97	PASS
DH5	Ant1	2480	0.28	≤20.97	PASS
2DH5	Ant1	2402	-0.77	≤20.97	PASS
2DH5	Ant1	2441	-1.26	≤20.97	PASS
2DH5	Ant1	2480	-2.11	≤20.97	PASS
3DH5	Ant1	2402	-0.42	≤20.97	PASS
3DH5	Ant1	2441	-0.89	≤20.97	PASS
3DH5	Ant1	2480	-1.84	≤20.97	PASS

Test Graphs

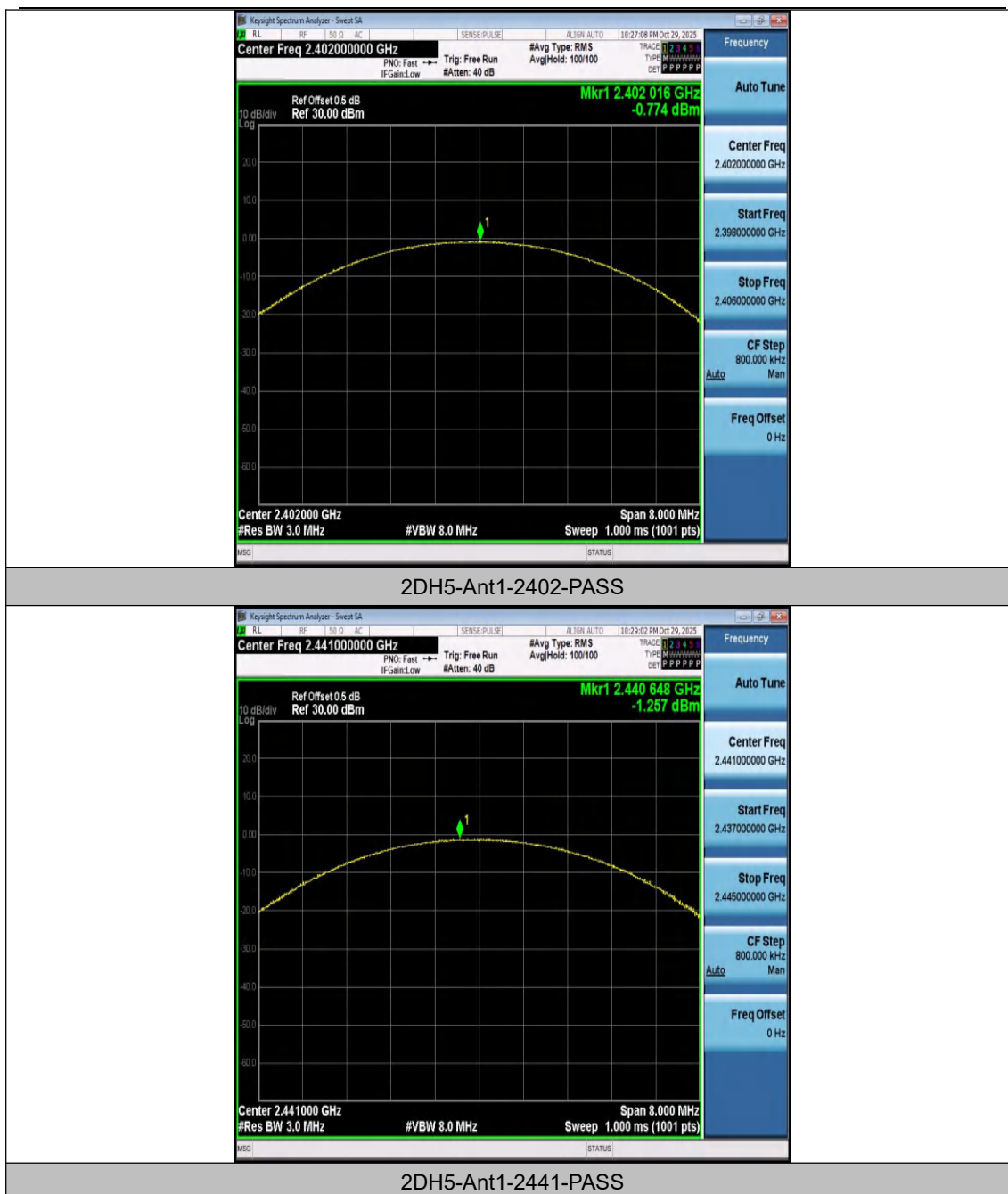




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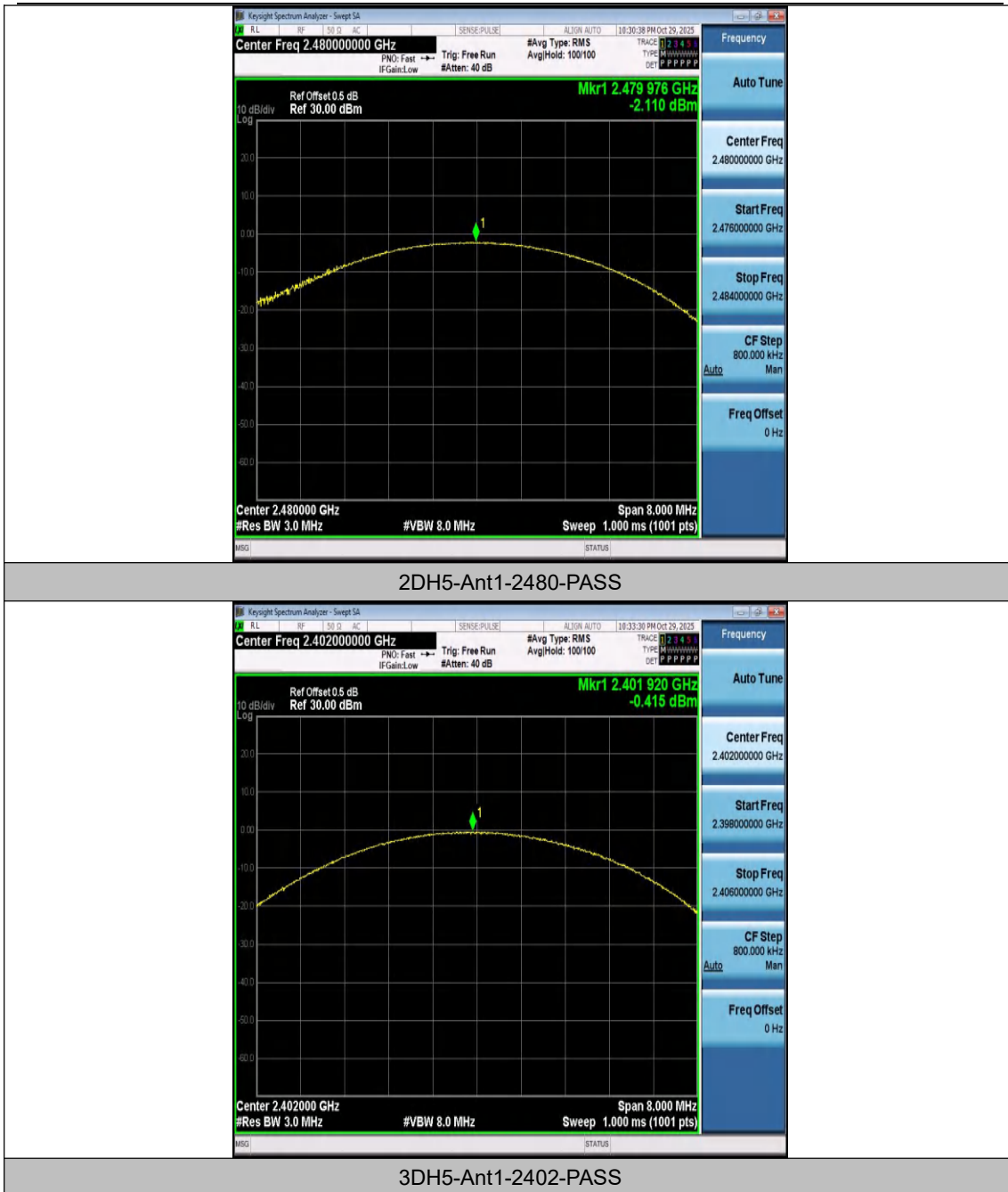
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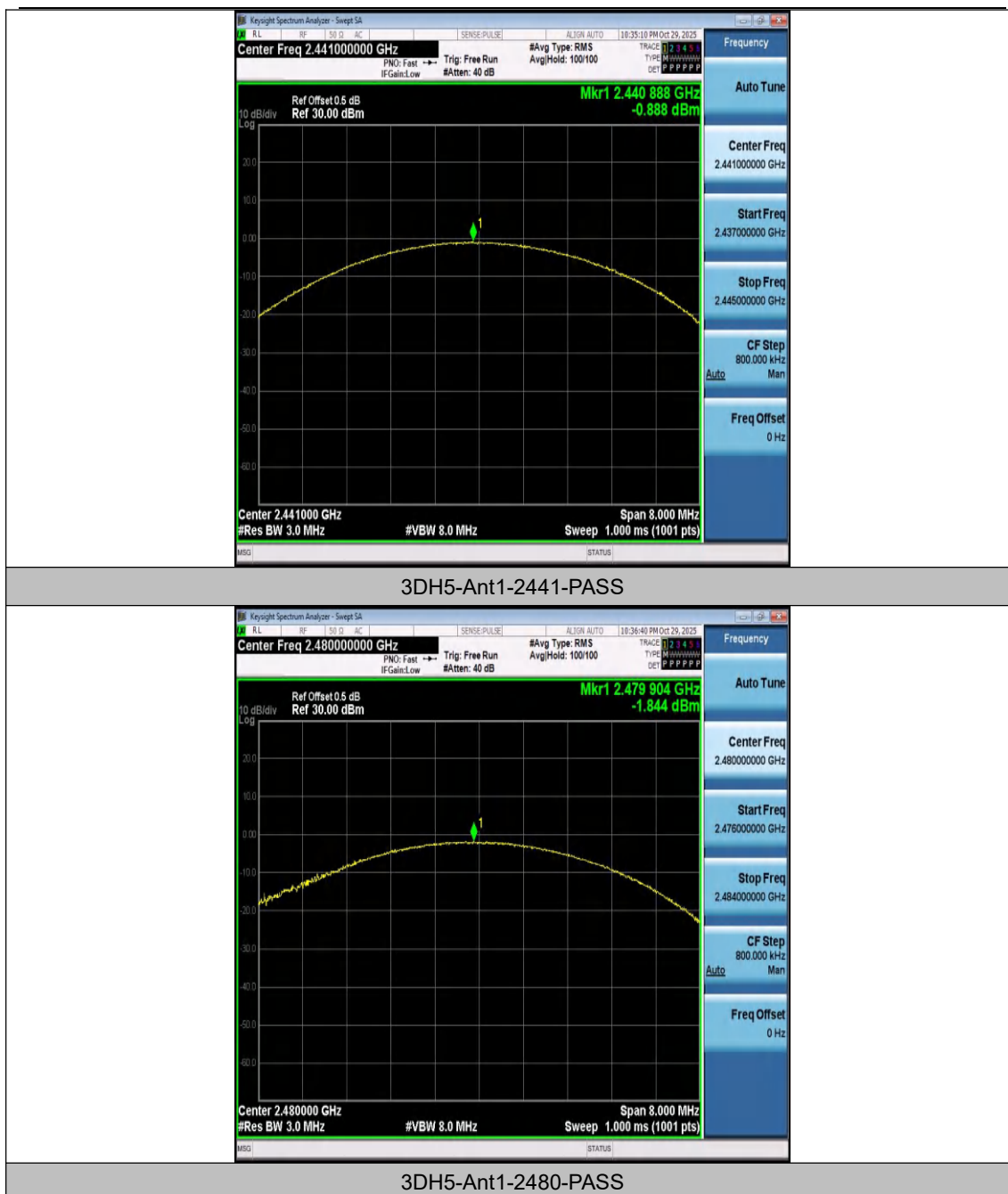
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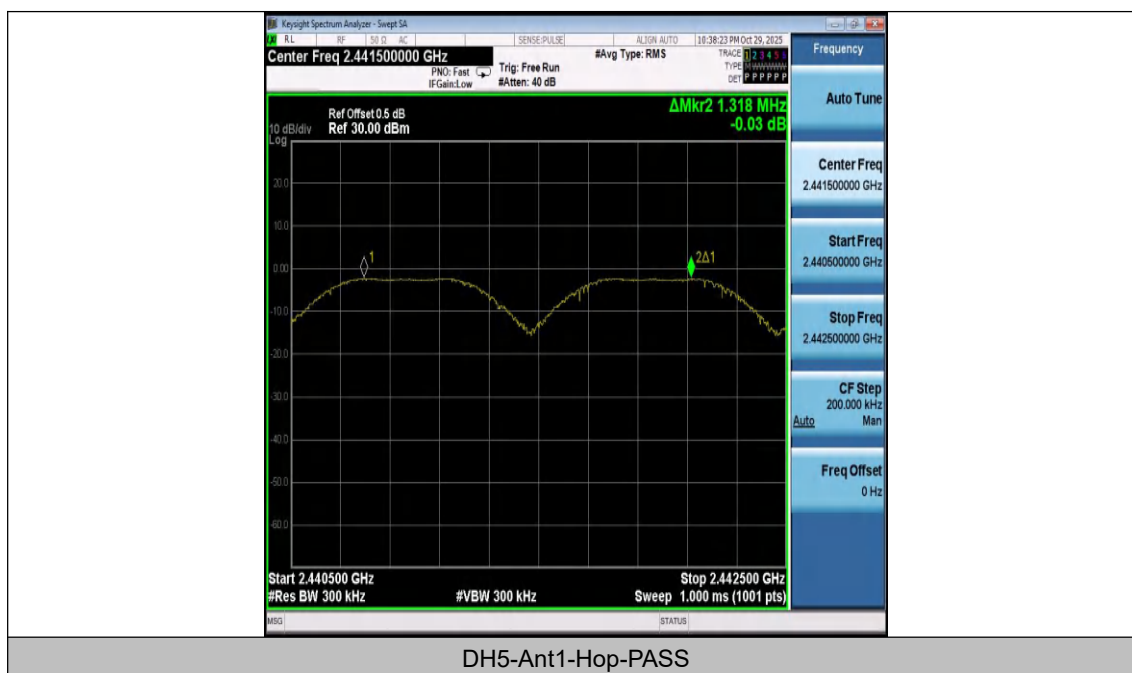
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.318	≥ 0.682	PASS
2DH5	Ant1	Hop	0.922	≥ 0.906	PASS
3DH5	Ant1	Hop	1.166	≥ 0.876	PASS

Test Graphs





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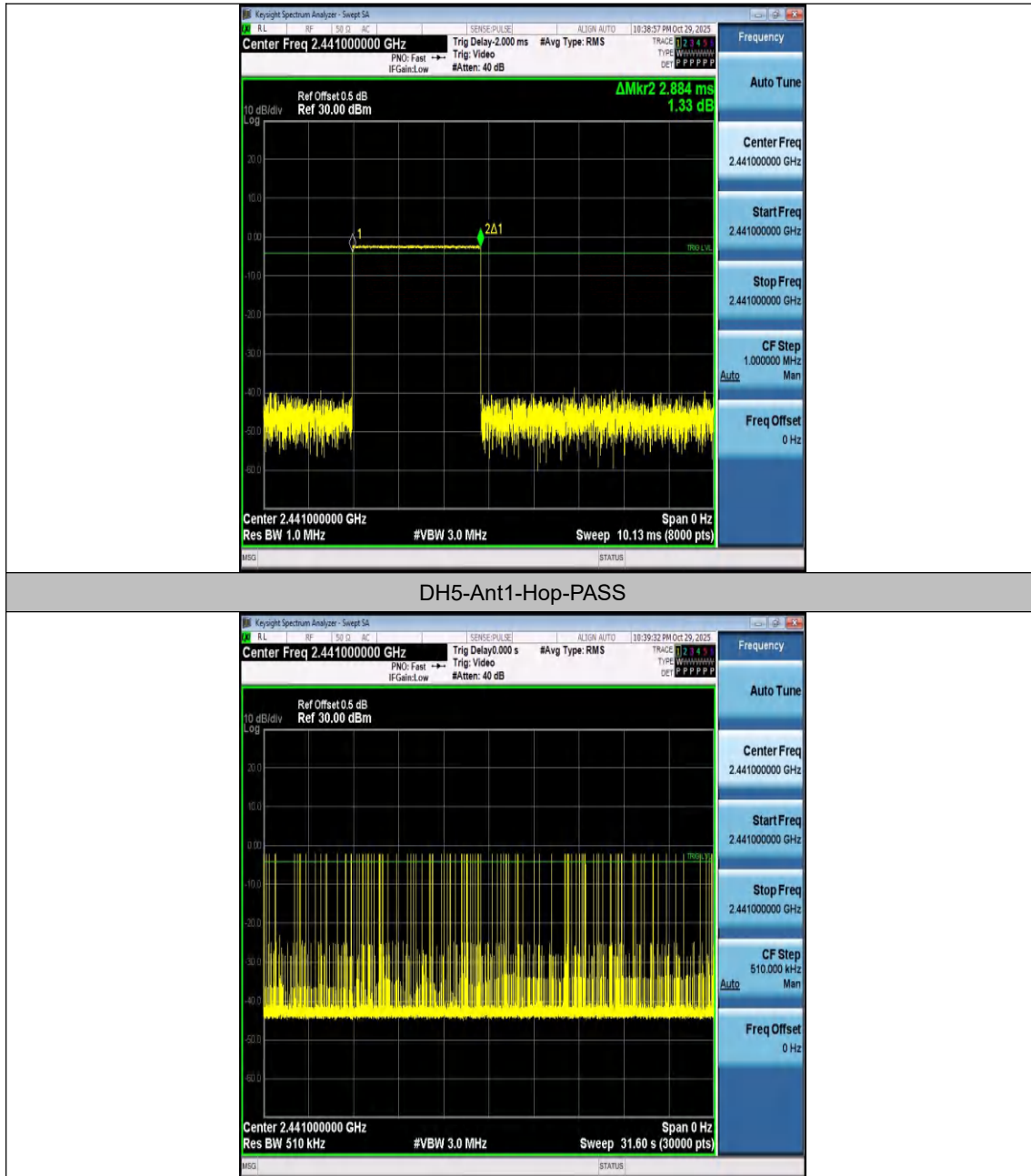
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.884	104	0.3	≤0.4	PASS
2DH5	Ant1	Hop	2.889	85	0.246	≤0.4	PASS
3DH5	Ant1	Hop	2.893	105	0.304	≤0.4	PASS

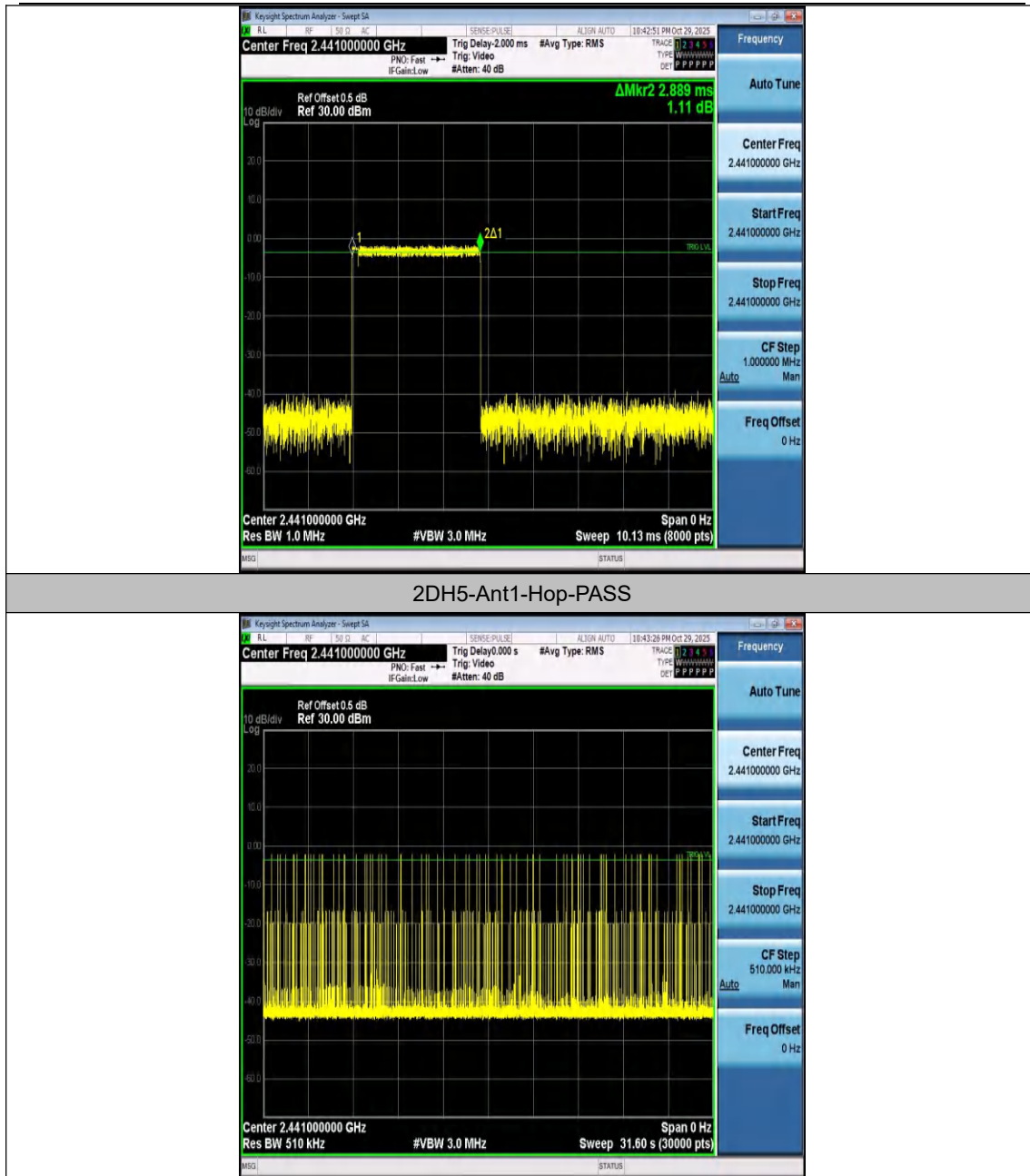
Test Graphs



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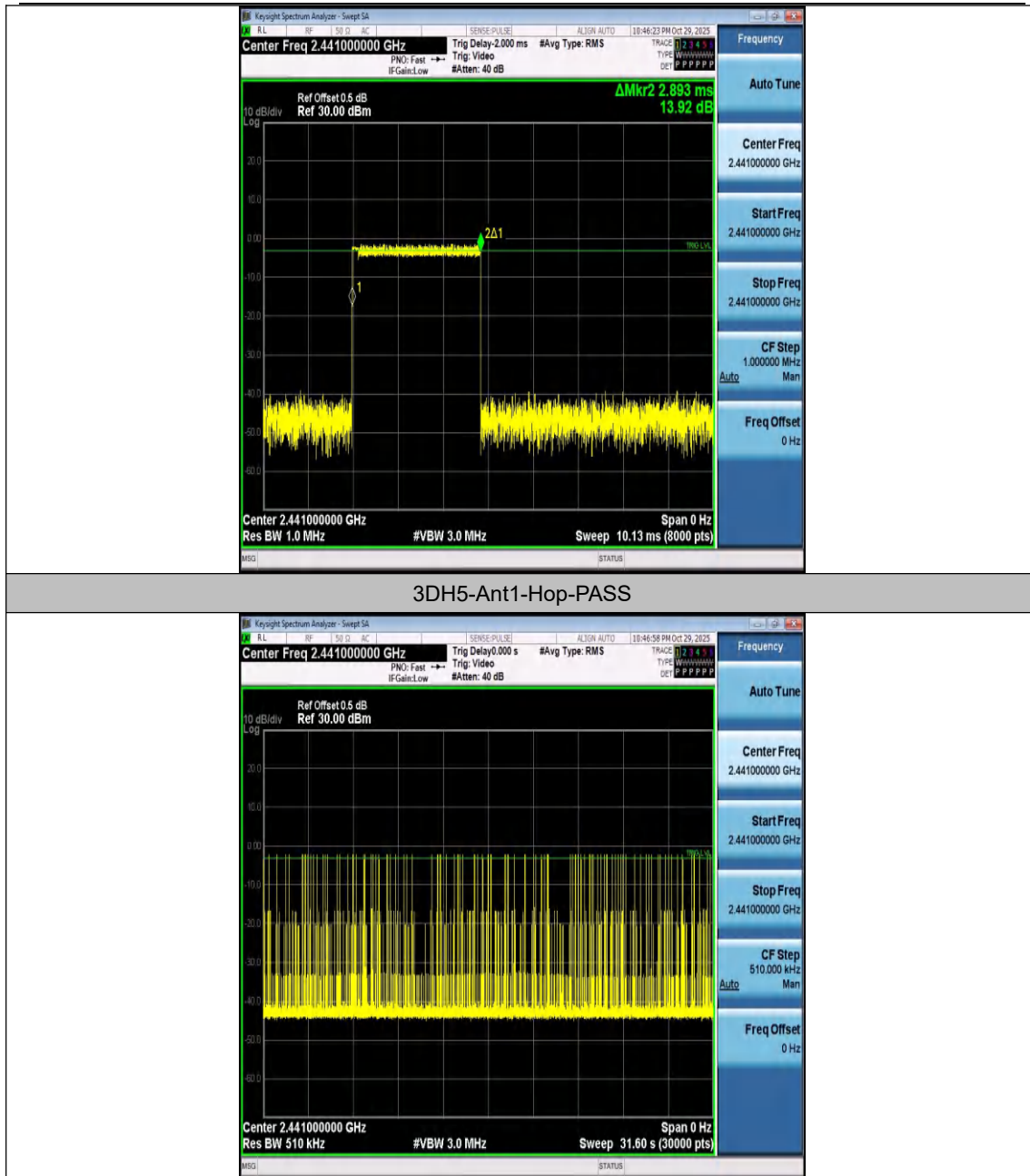
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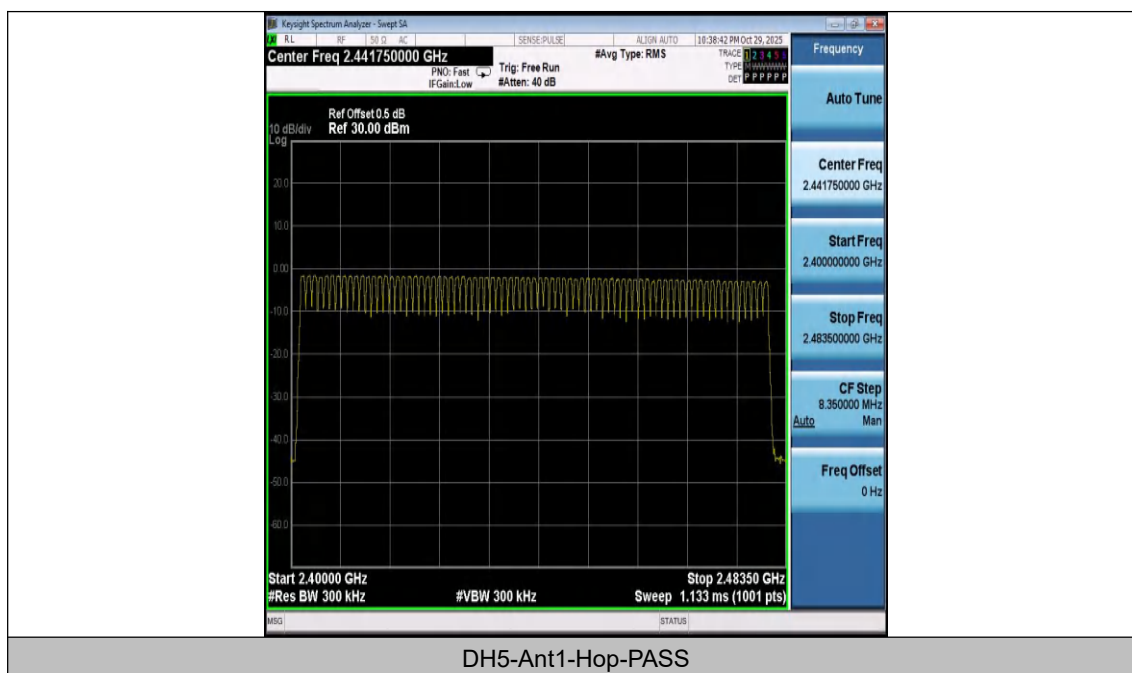
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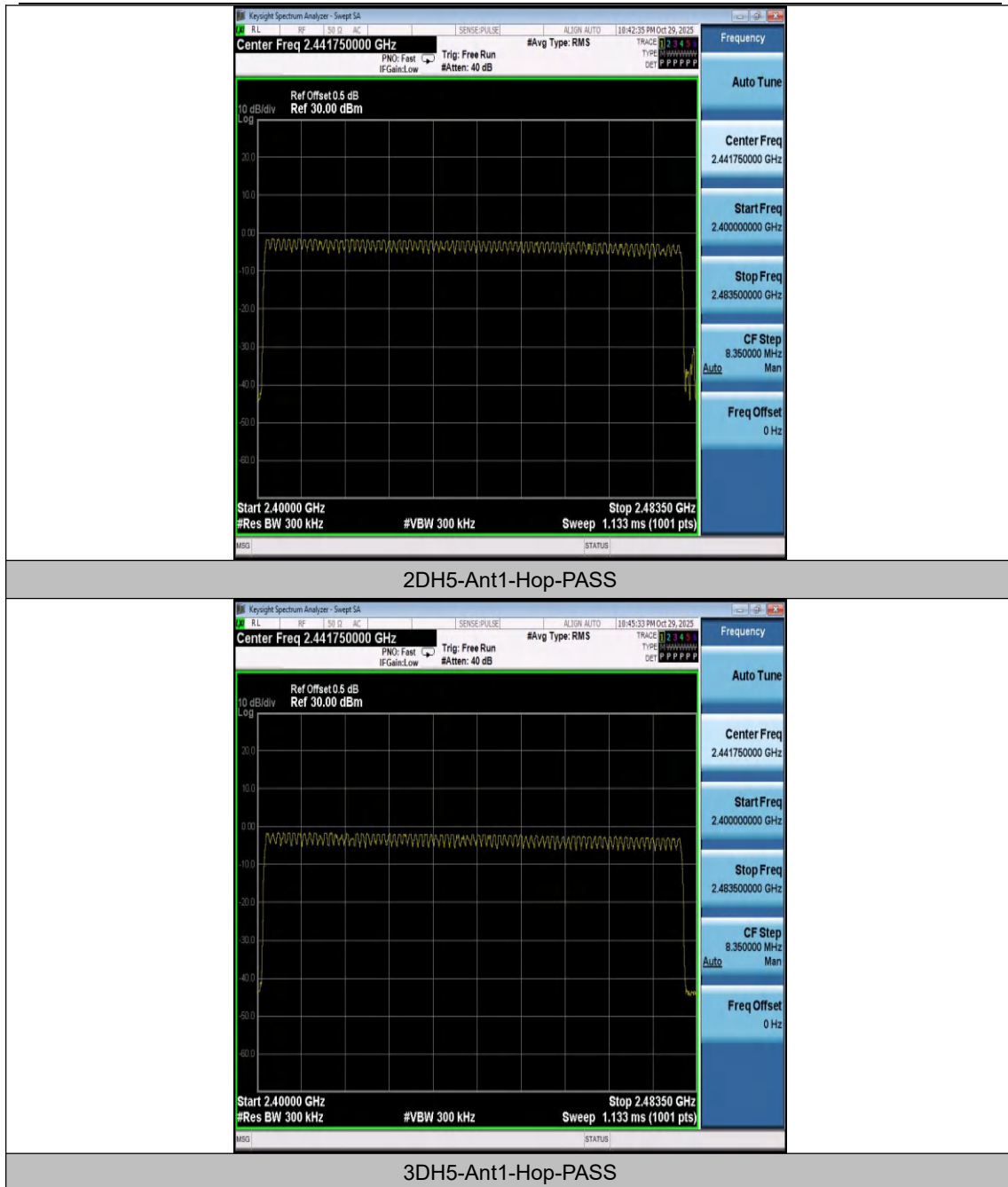
Appendix F: Number of Hopping Channel

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

Test Graphs





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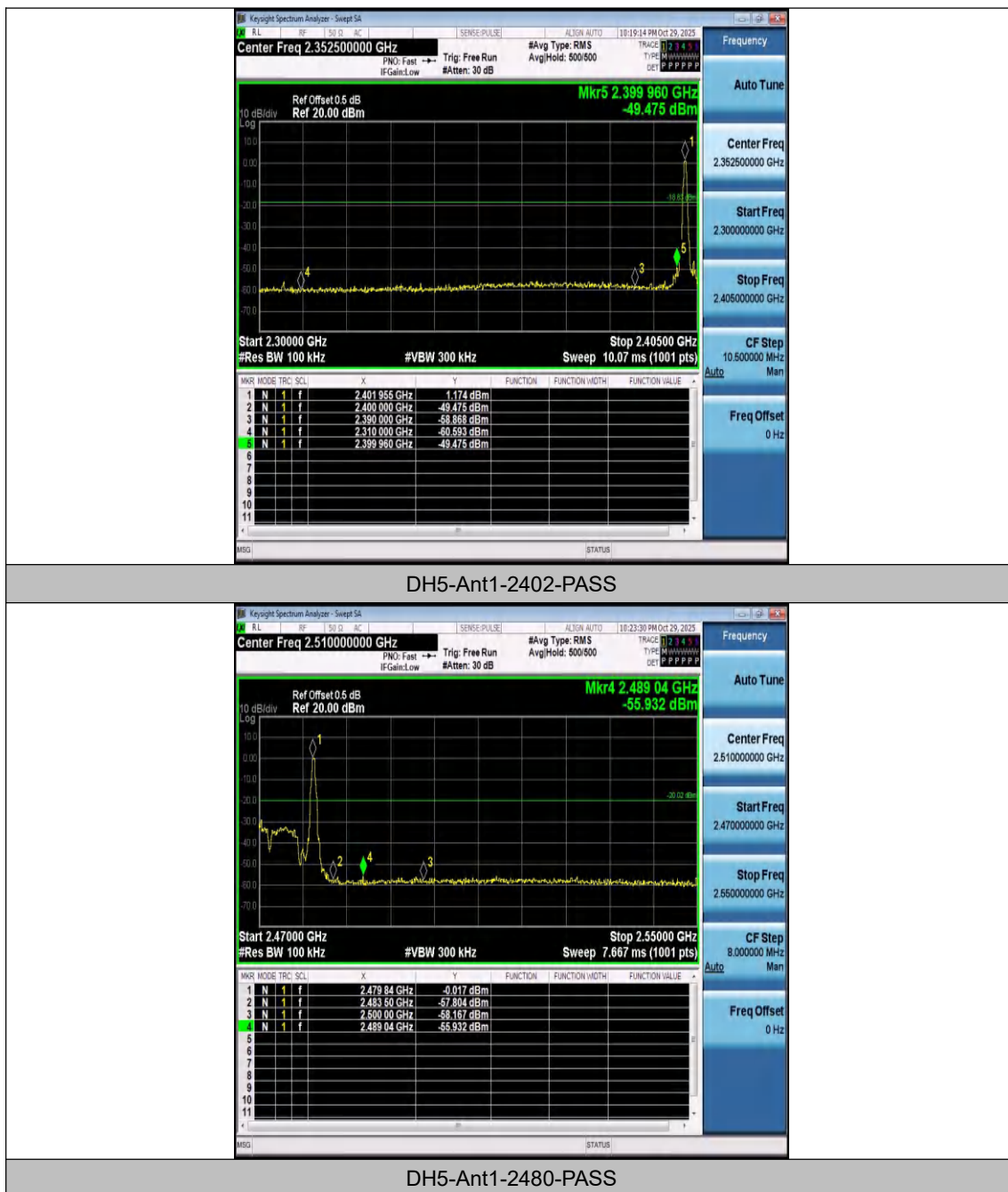
Appendix G: Conducted Band edge

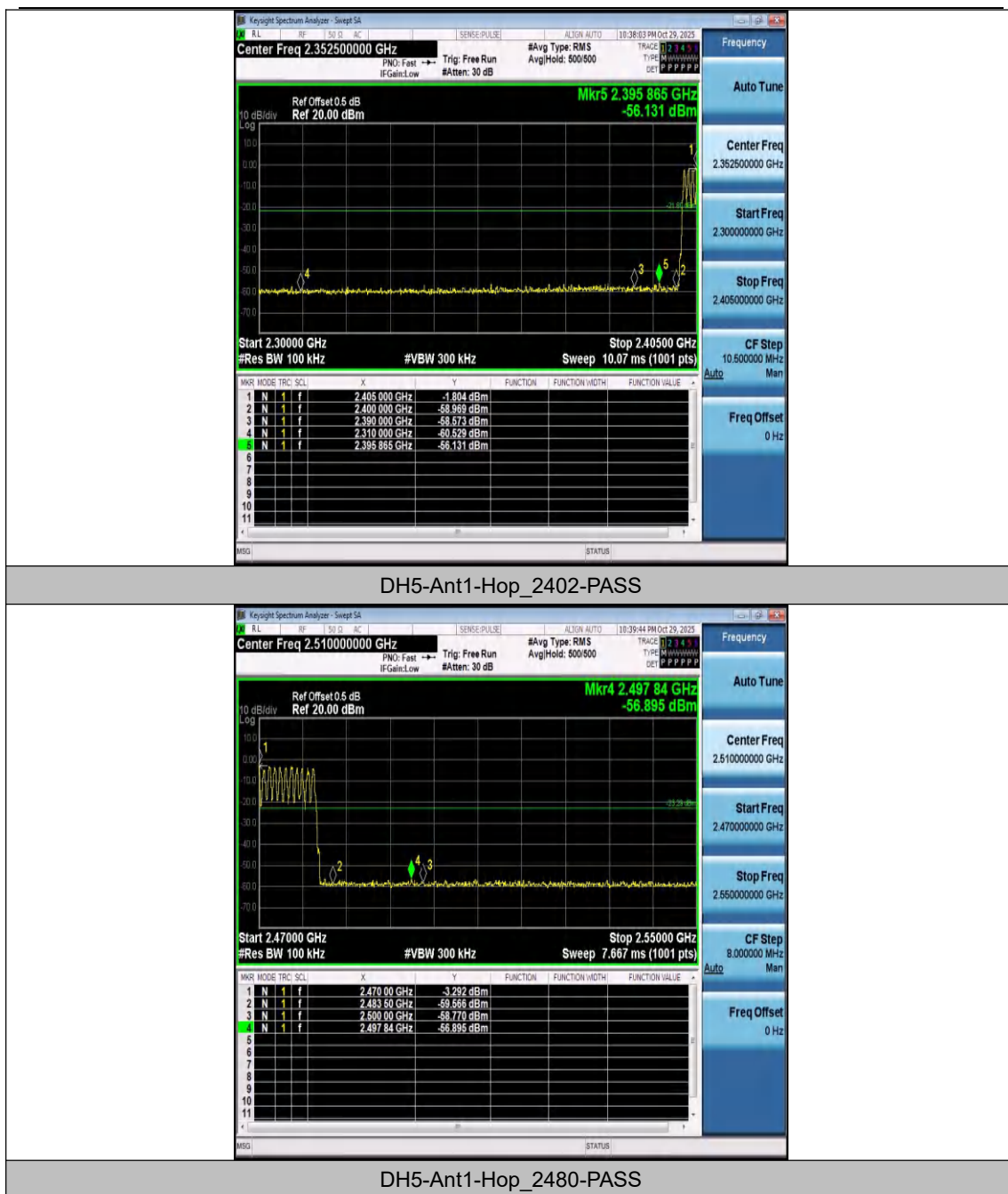
Test Result

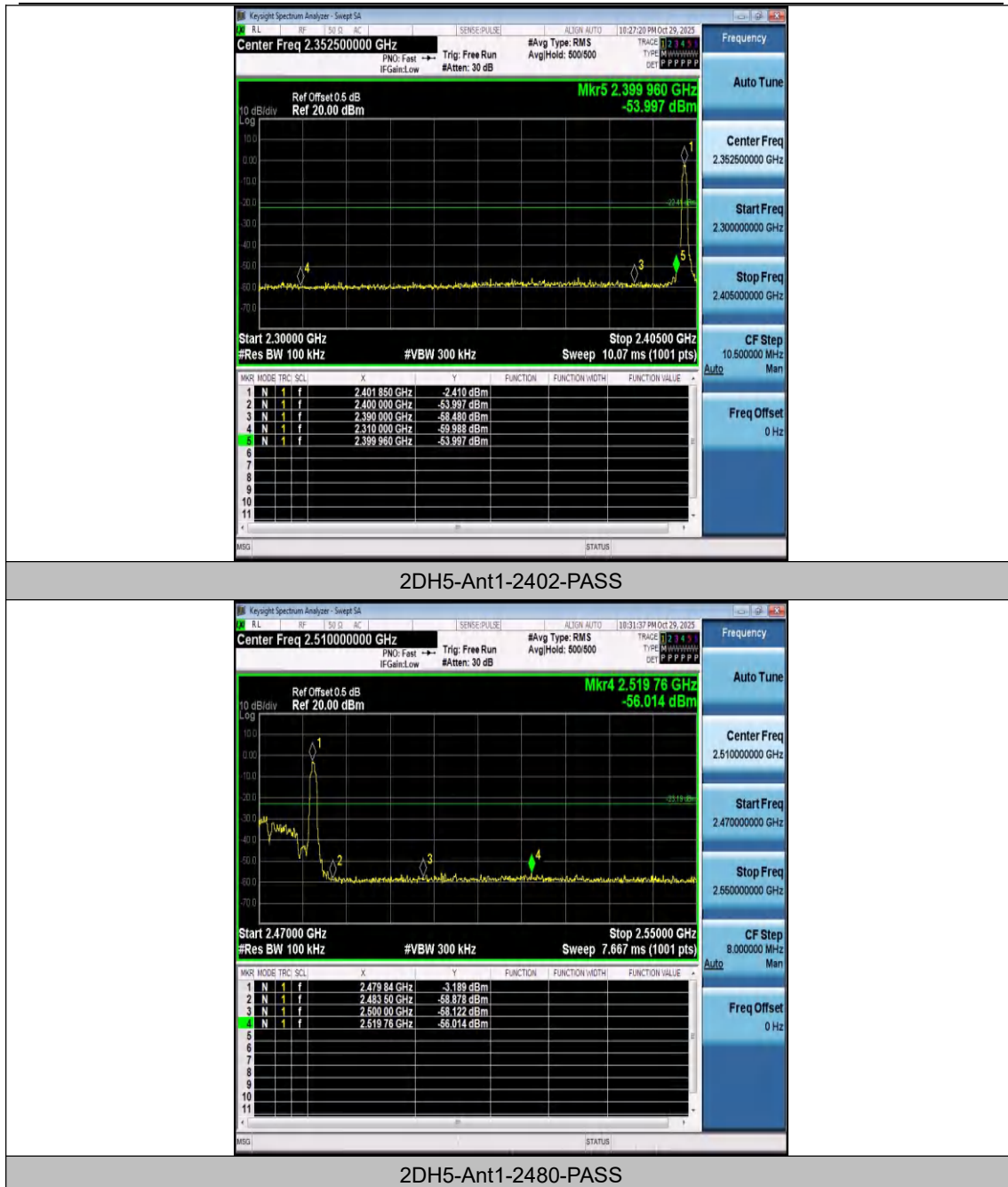
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.17	-49.48	≤-18.83	PASS
DH5	Ant1	High	2480	-0.02	-55.93	≤-20.02	PASS
DH5	Ant1	Low	Hop_2402	-1.80	-56.13	≤-21.8	PASS
DH5	Ant1	High	Hop_2480	-3.29	-56.9	≤-23.29	PASS
2DH5	Ant1	Low	2402	-2.41	-54	≤-22.41	PASS
2DH5	Ant1	High	2480	-3.19	-56.01	≤-23.19	PASS
2DH5	Ant1	Low	Hop_2402	-2.16	-52.93	≤-22.16	PASS
2DH5	Ant1	High	Hop_2480	-3.01	-56.67	≤-23.01	PASS
3DH5	Ant1	Low	2402	-1.88	-49.86	≤-21.88	PASS
3DH5	Ant1	High	2480	-3.29	-55.76	≤-23.29	PASS
3DH5	Ant1	Low	Hop_2402	-2.86	-56.68	≤-22.86	PASS
3DH5	Ant1	High	Hop_2480	-5.75	-56.59	≤-25.75	PASS

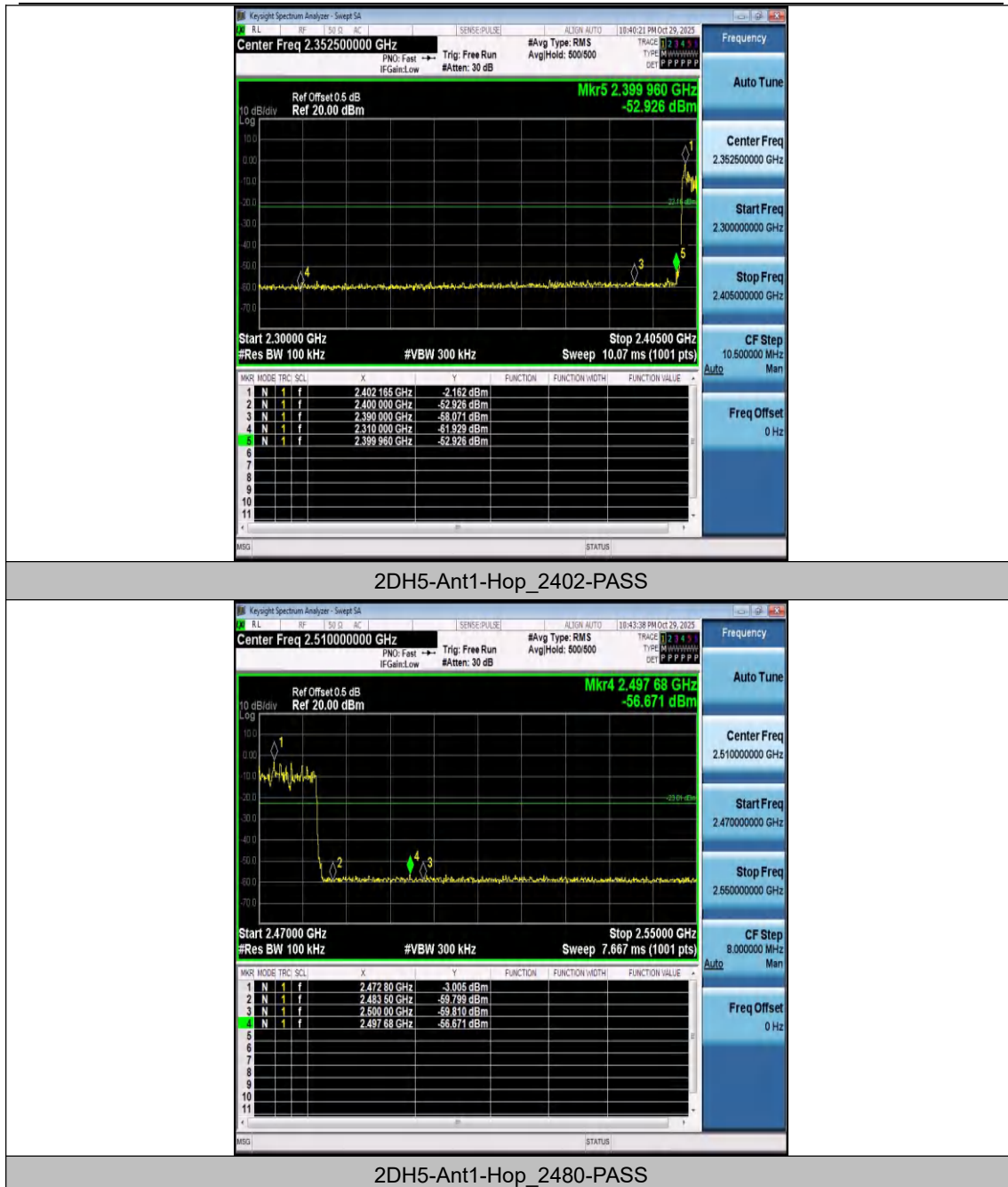
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

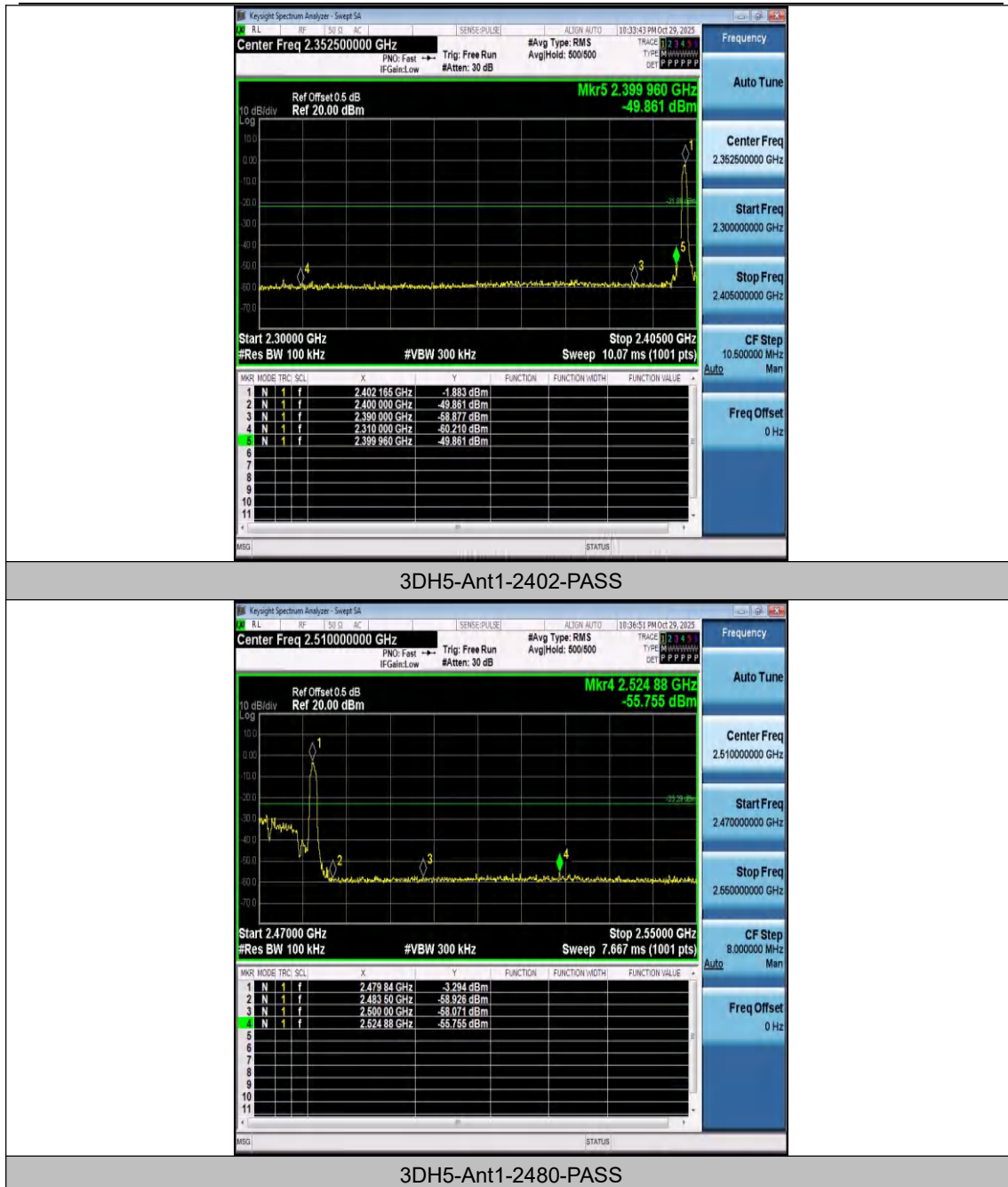
Test Graphs

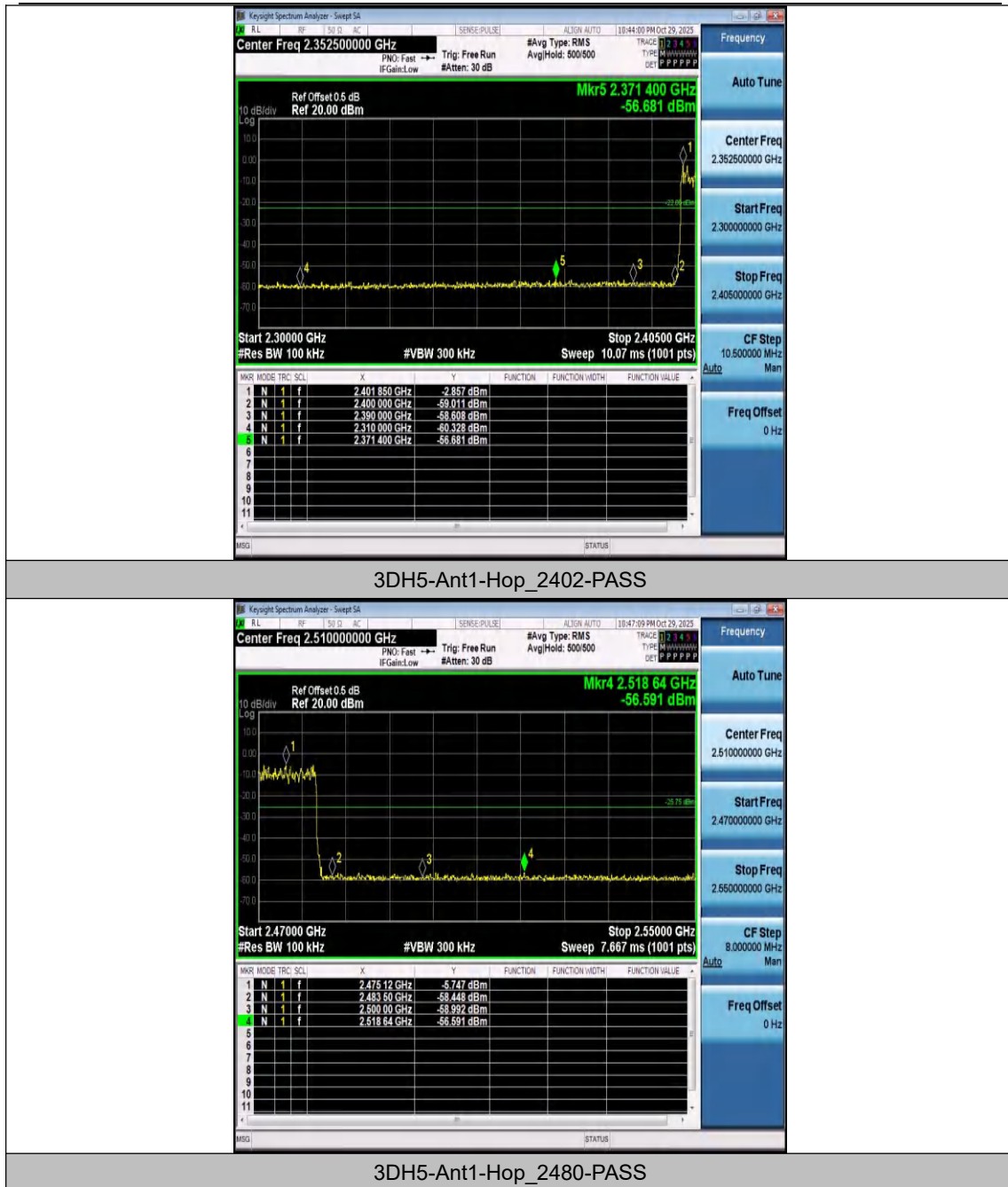












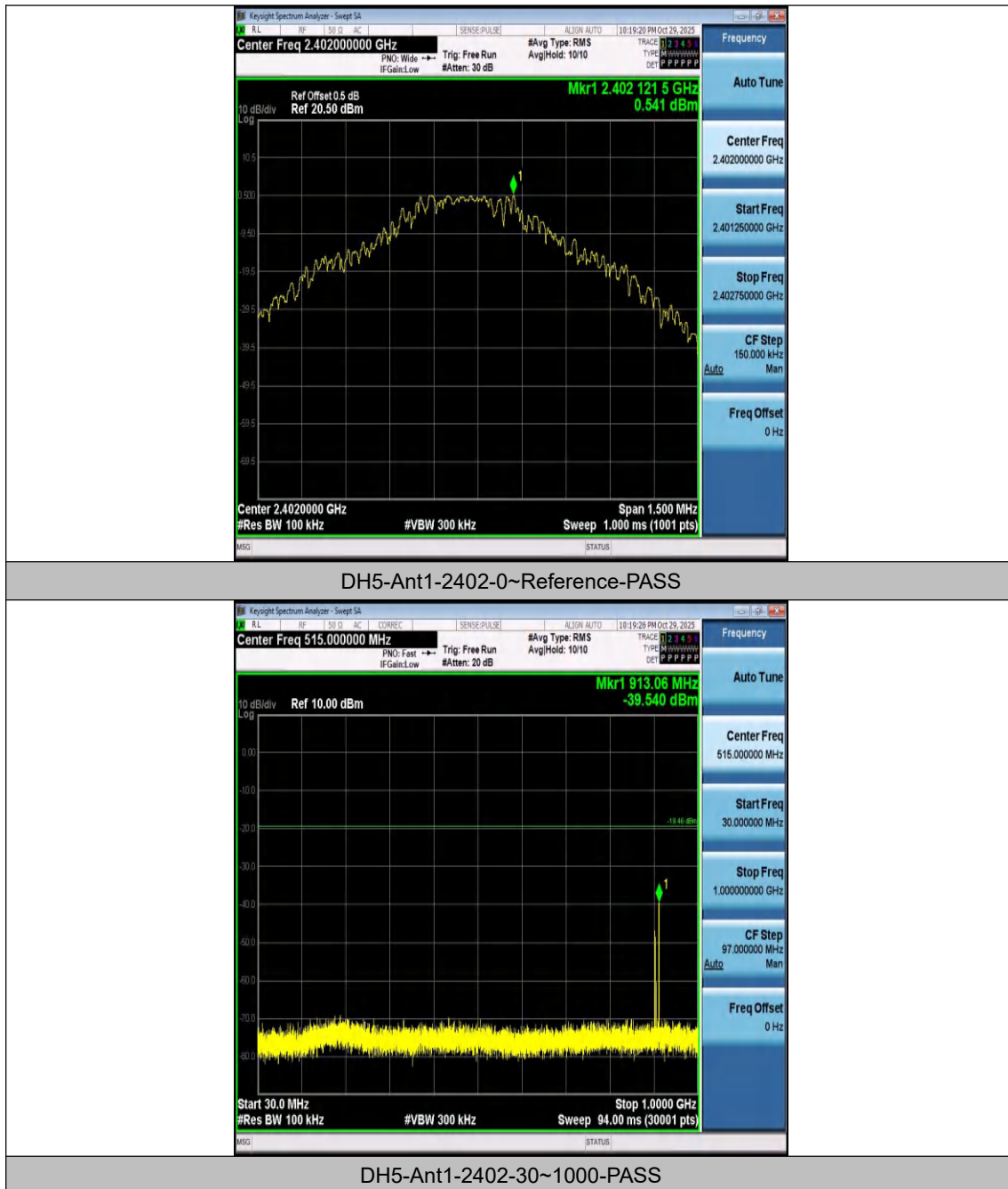
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.54	0.54	---	PASS
DH5	Ant1	2402	30~1000	0.54	-39.54	≤-19.46	PASS
DH5	Ant1	2402	1000~26500	0.54	-46.63	≤-19.46	PASS
DH5	Ant1	2441	0~Reference	0.35	0.35	---	PASS
DH5	Ant1	2441	30~1000	0.35	-68.33	≤-19.65	PASS
DH5	Ant1	2441	1000~26500	0.35	-47.4	≤-19.65	PASS
DH5	Ant1	2480	0~Reference	-0.79	-0.79	---	PASS
DH5	Ant1	2480	30~1000	-0.79	-32.75	≤-20.79	PASS
DH5	Ant1	2480	1000~26500	-0.79	-45.91	≤-20.79	PASS
2DH5	Ant1	2402	0~Reference	-3.03	-3.03	---	PASS
2DH5	Ant1	2402	30~1000	-3.03	-34.24	≤-23.03	PASS
2DH5	Ant1	2402	1000~26500	-3.03	-51.91	≤-23.03	PASS
2DH5	Ant1	2441	0~Reference	-2.62	-2.62	---	PASS
2DH5	Ant1	2441	30~1000	-2.62	-42.88	≤-22.62	PASS
2DH5	Ant1	2441	1000~26500	-2.62	-51.81	≤-22.62	PASS
2DH5	Ant1	2480	0~Reference	-3.40	-3.40	---	PASS
2DH5	Ant1	2480	30~1000	-3.40	-69.11	≤-23.4	PASS
2DH5	Ant1	2480	1000~26500	-3.40	-51.72	≤-23.4	PASS
3DH5	Ant1	2402	0~Reference	-3.13	-3.13	---	PASS
3DH5	Ant1	2402	30~1000	-3.13	-69.2	≤-23.13	PASS
3DH5	Ant1	2402	1000~26500	-3.13	-52.24	≤-23.13	PASS
3DH5	Ant1	2441	0~Reference	-2.81	-2.81	---	PASS
3DH5	Ant1	2441	30~1000	-2.81	-68.87	≤-22.81	PASS
3DH5	Ant1	2441	1000~26500	-2.81	-51.73	≤-22.81	PASS
3DH5	Ant1	2480	0~Reference	-3.86	-3.86	---	PASS
3DH5	Ant1	2480	30~1000	-3.86	-48.8	≤-23.86	PASS
3DH5	Ant1	2480	1000~26500	-3.86	-49.67	≤-23.86	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.

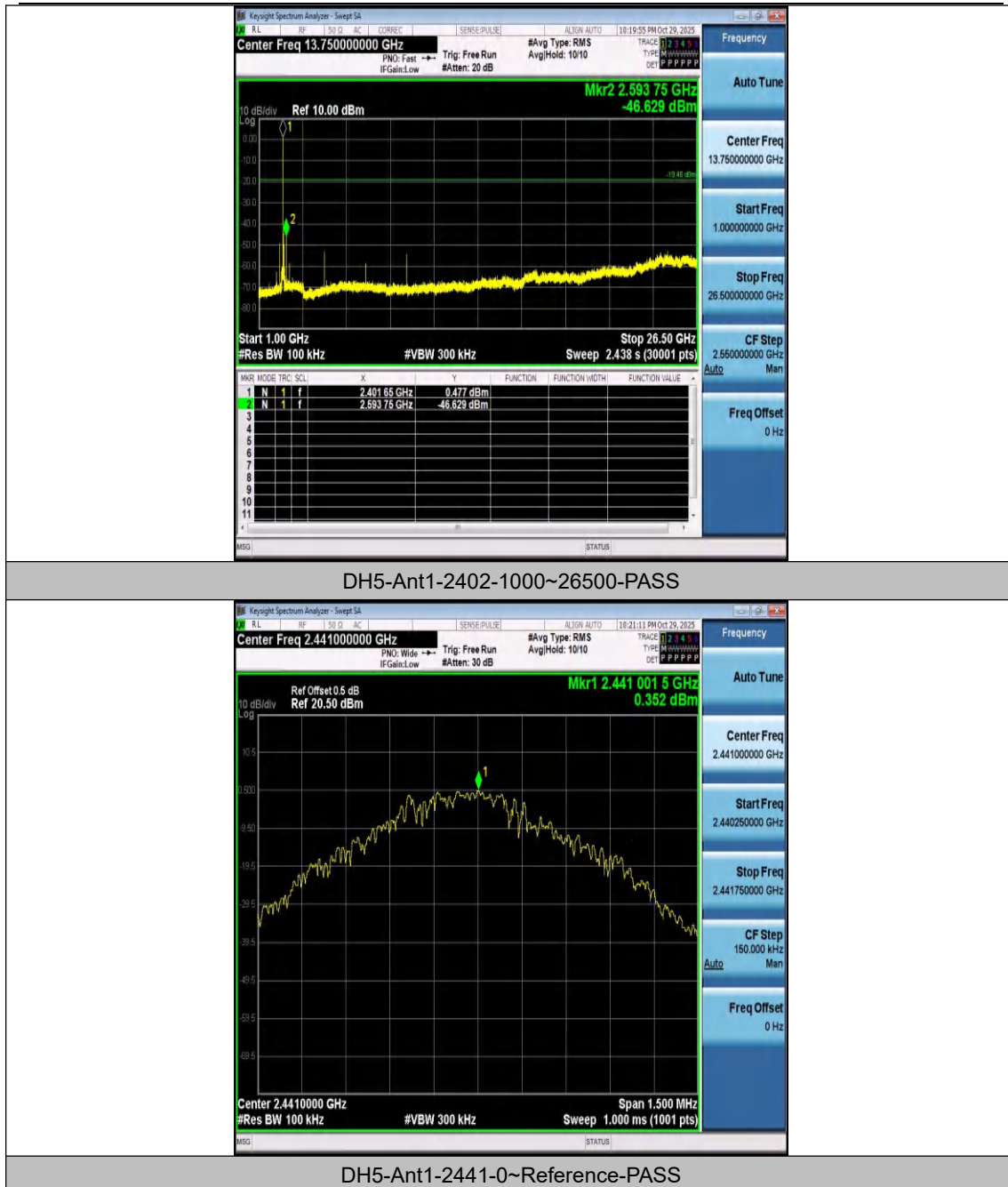
Test Graphs



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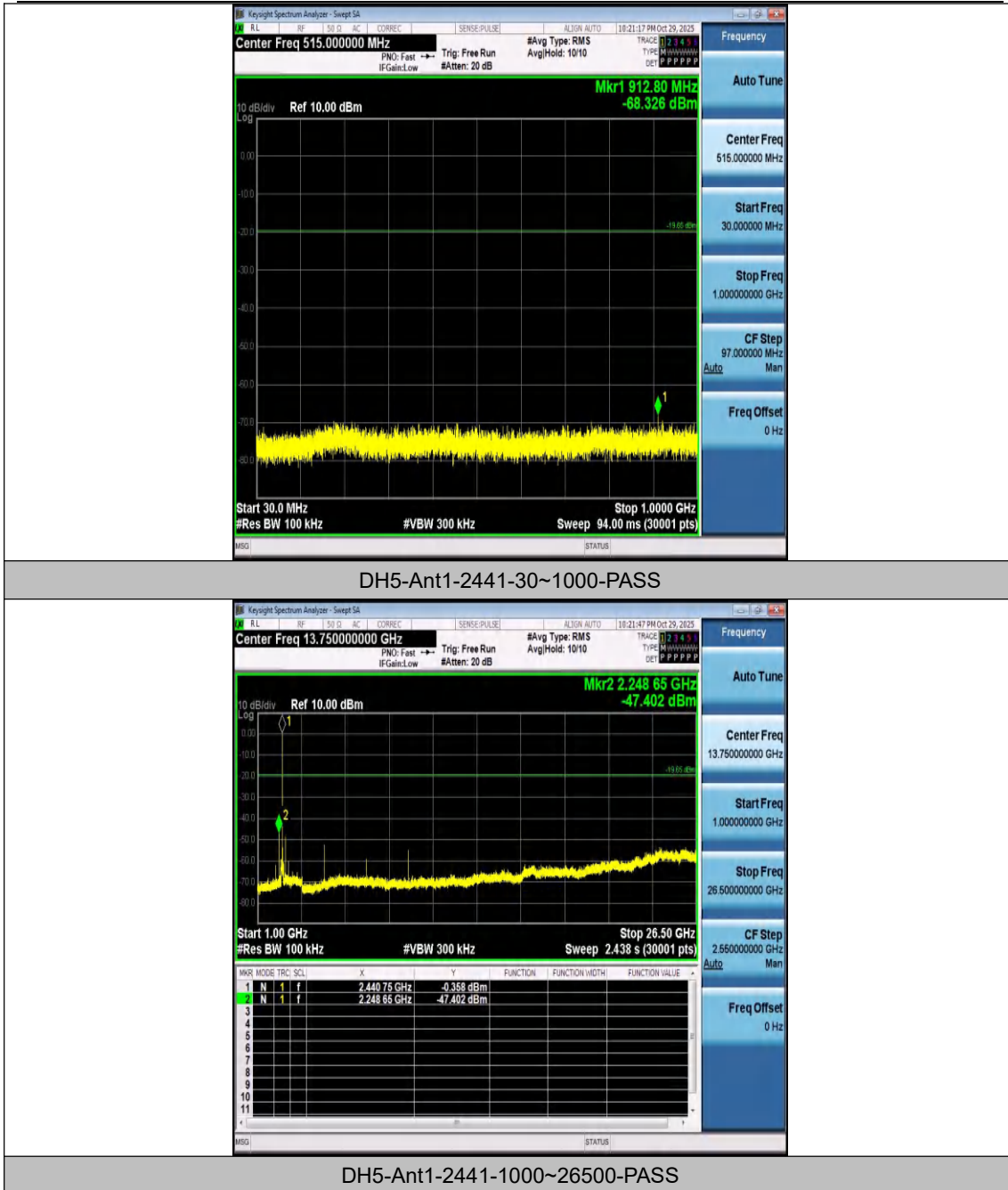
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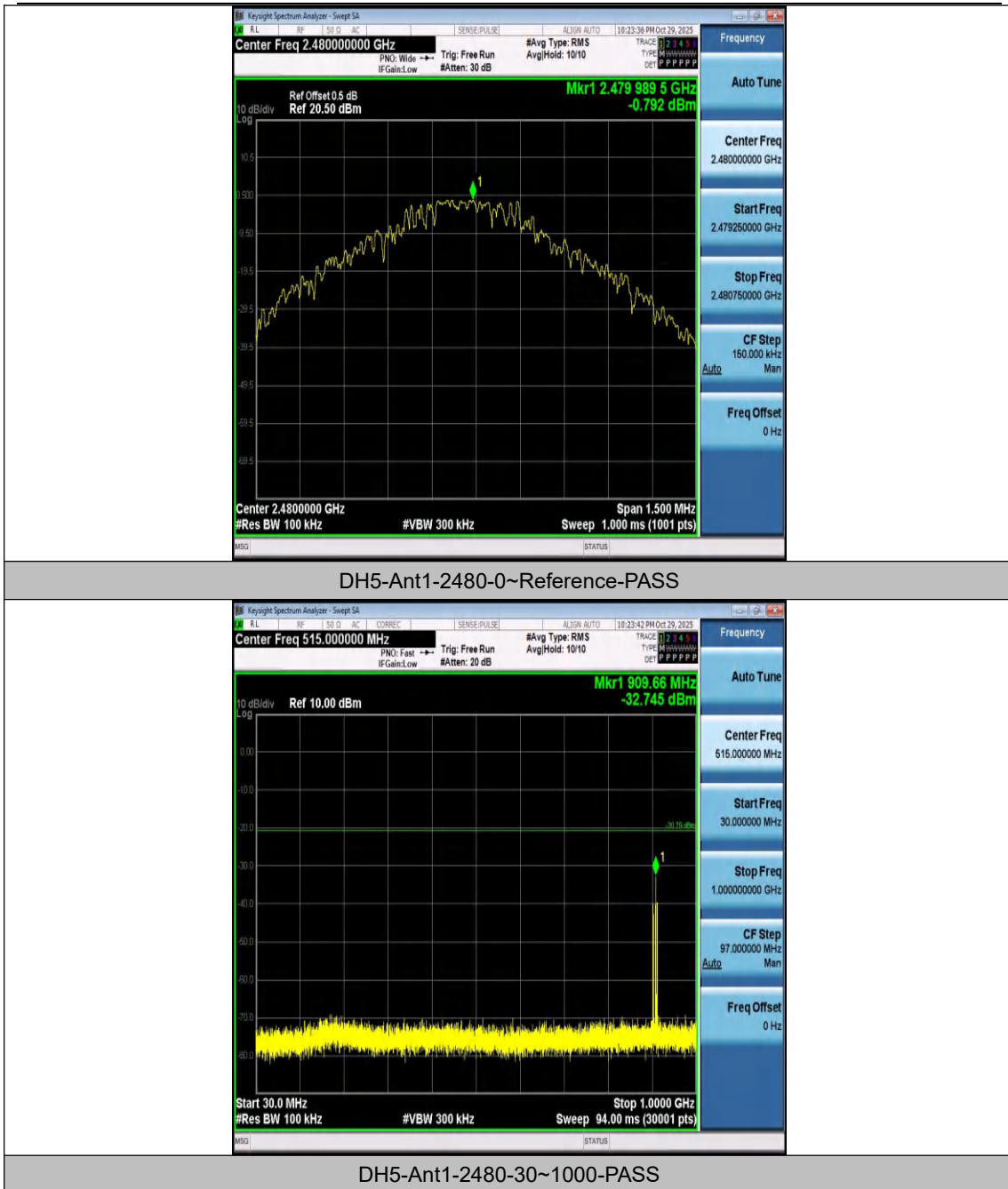
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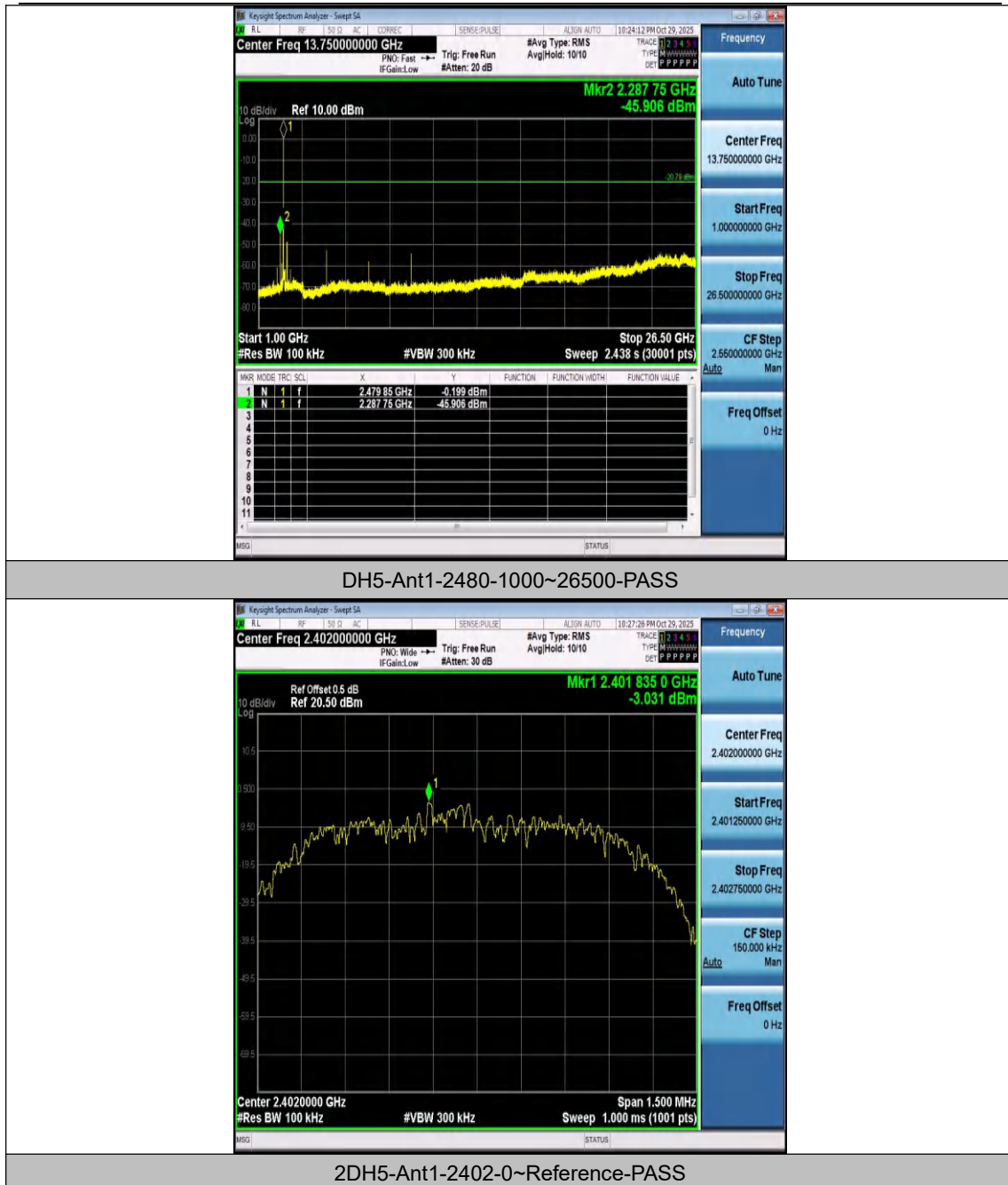
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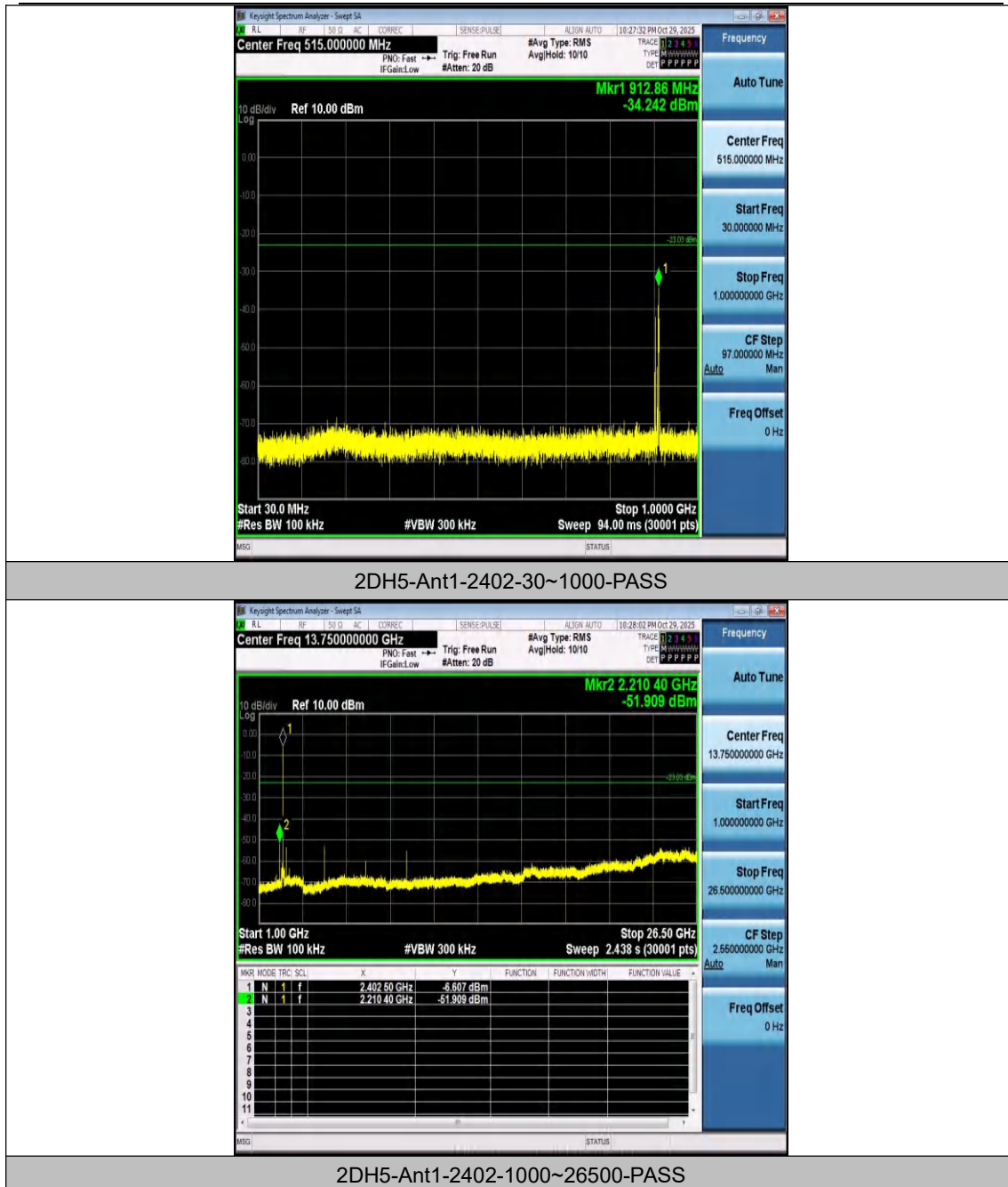
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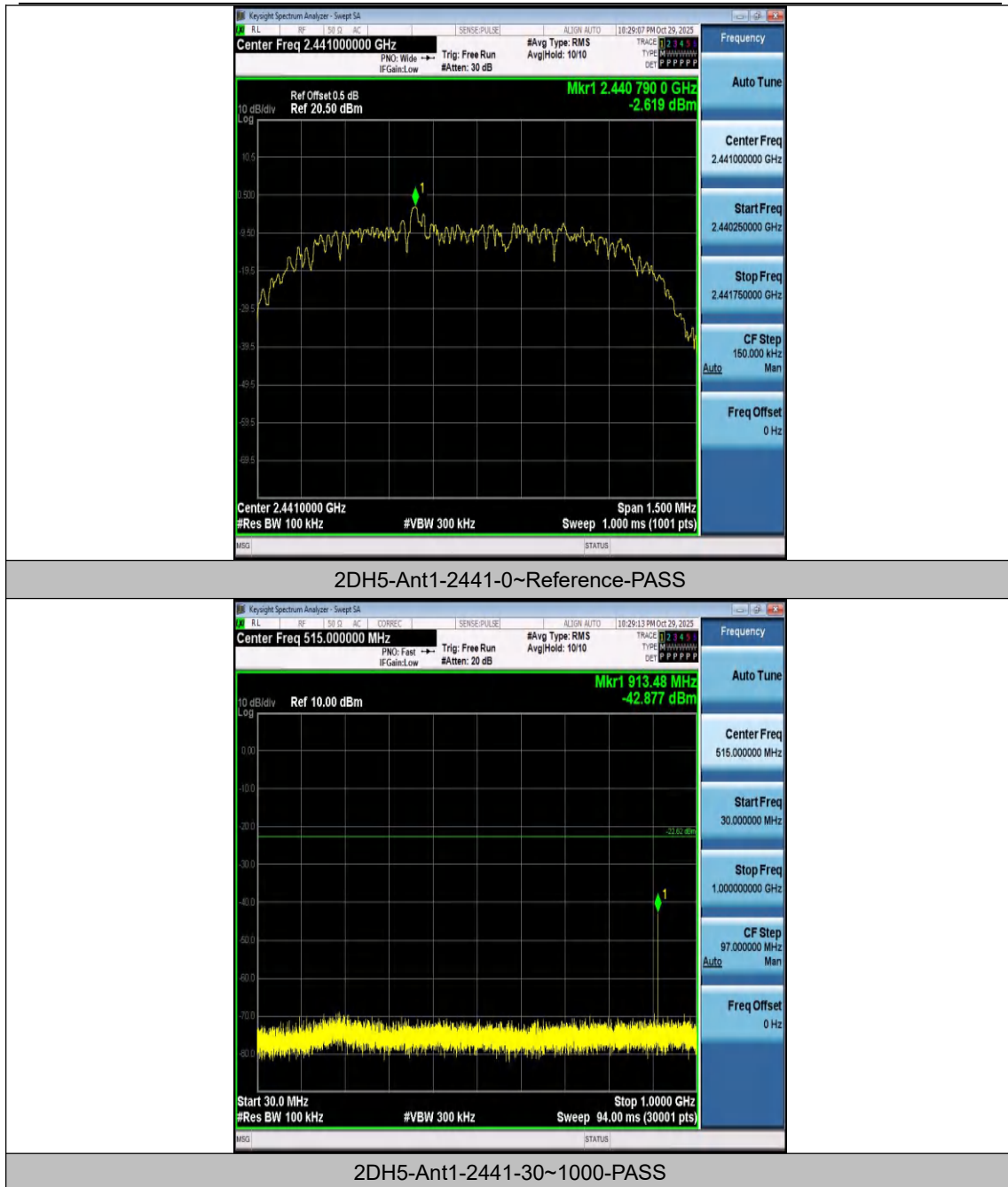
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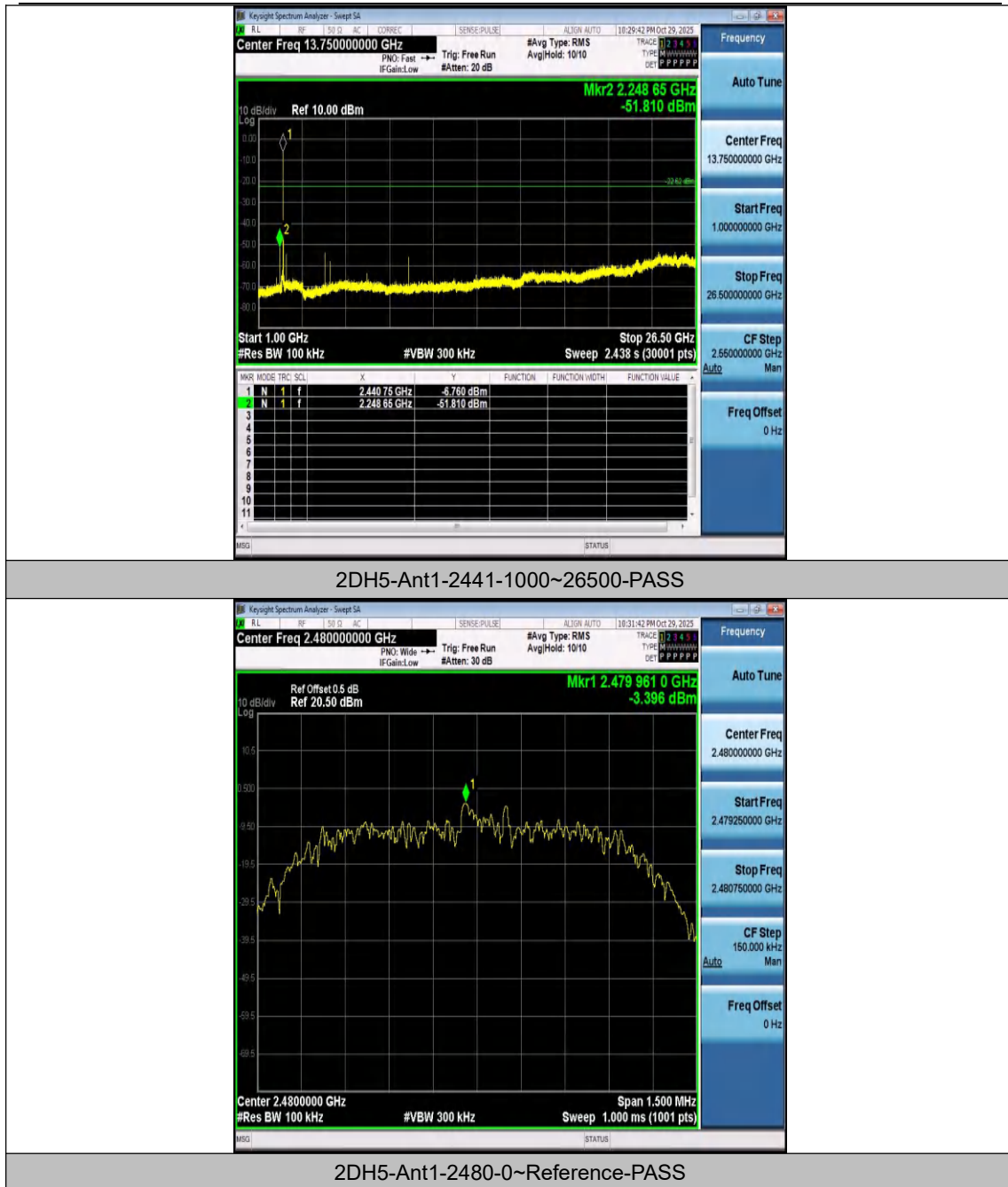
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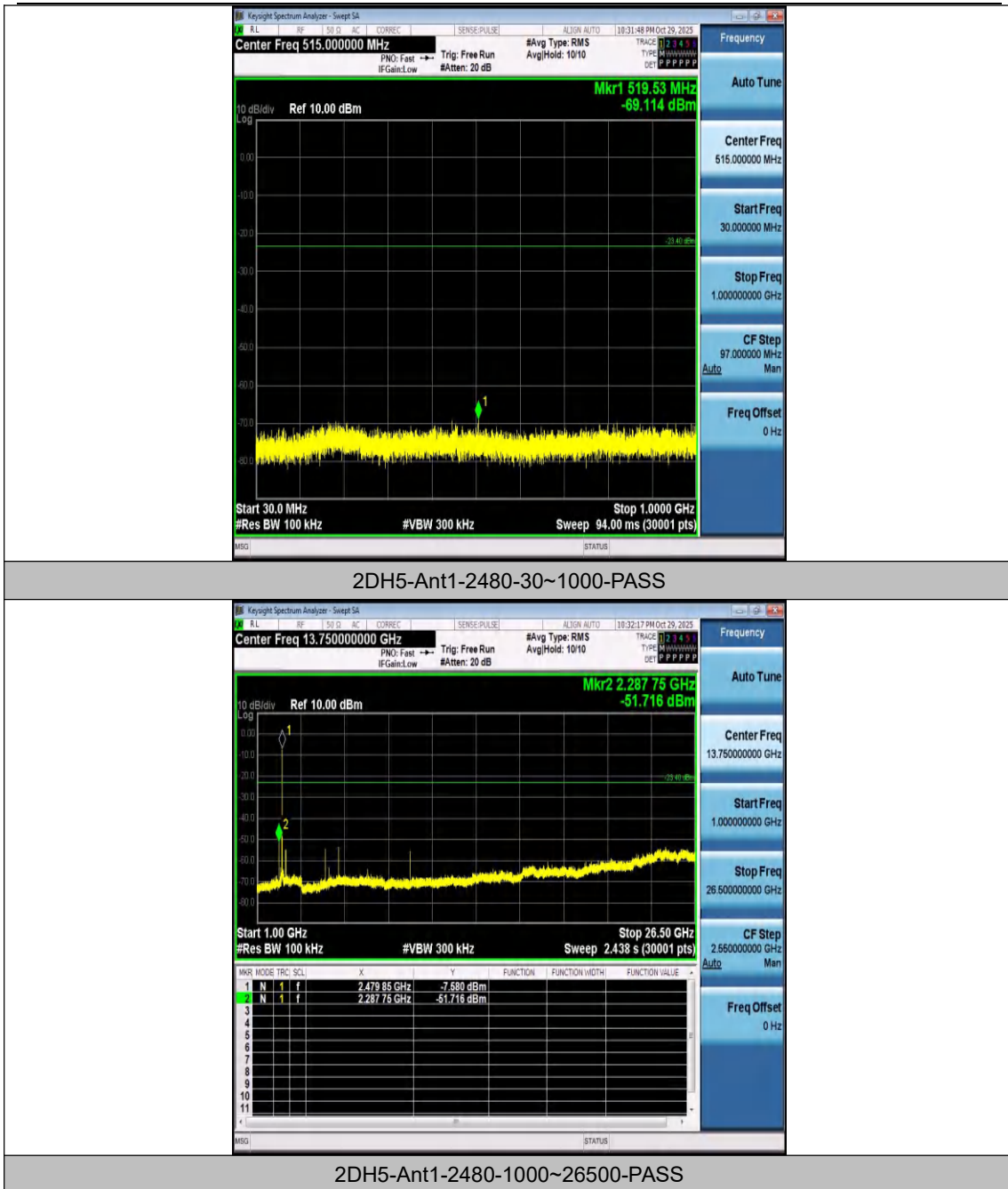
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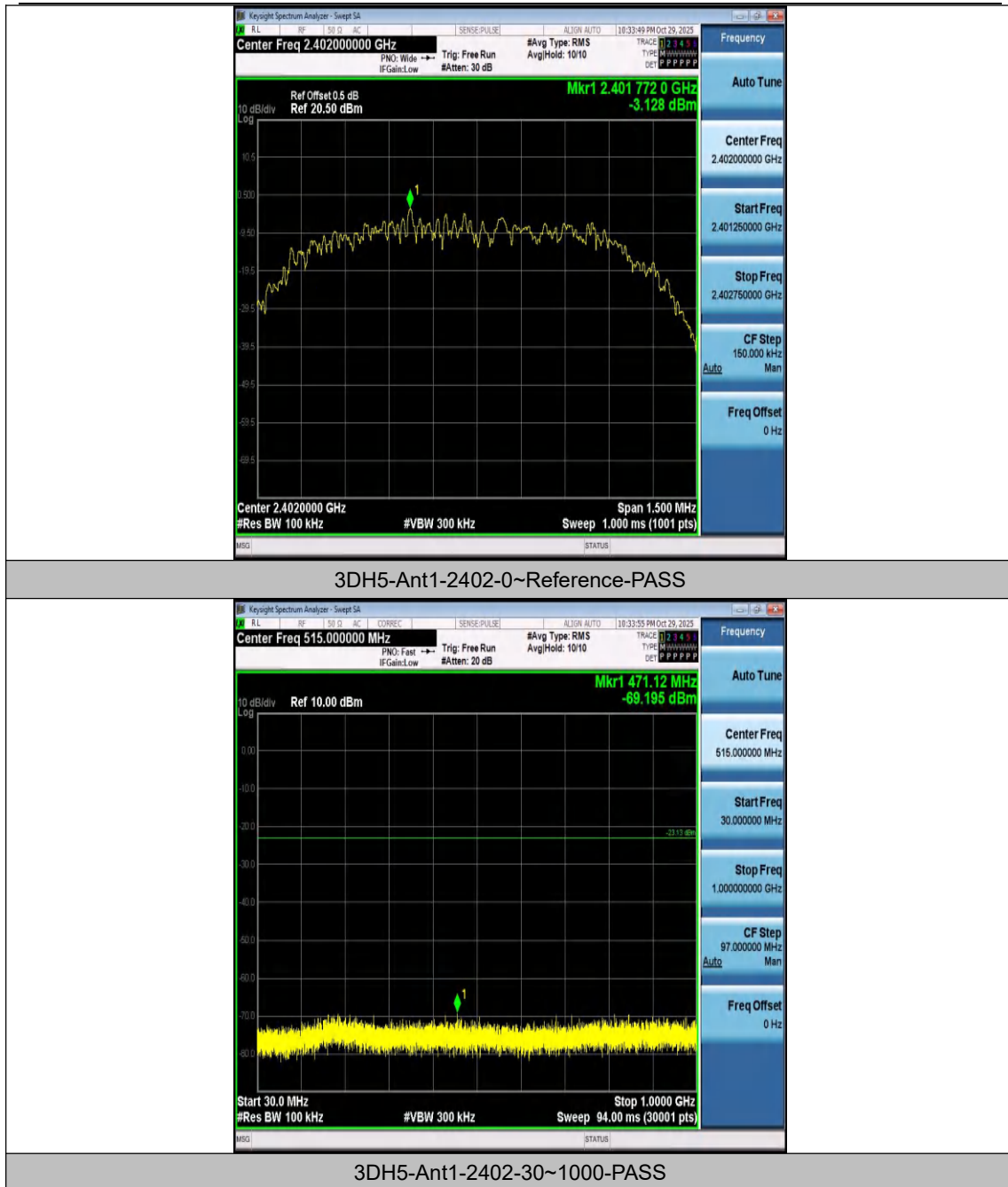
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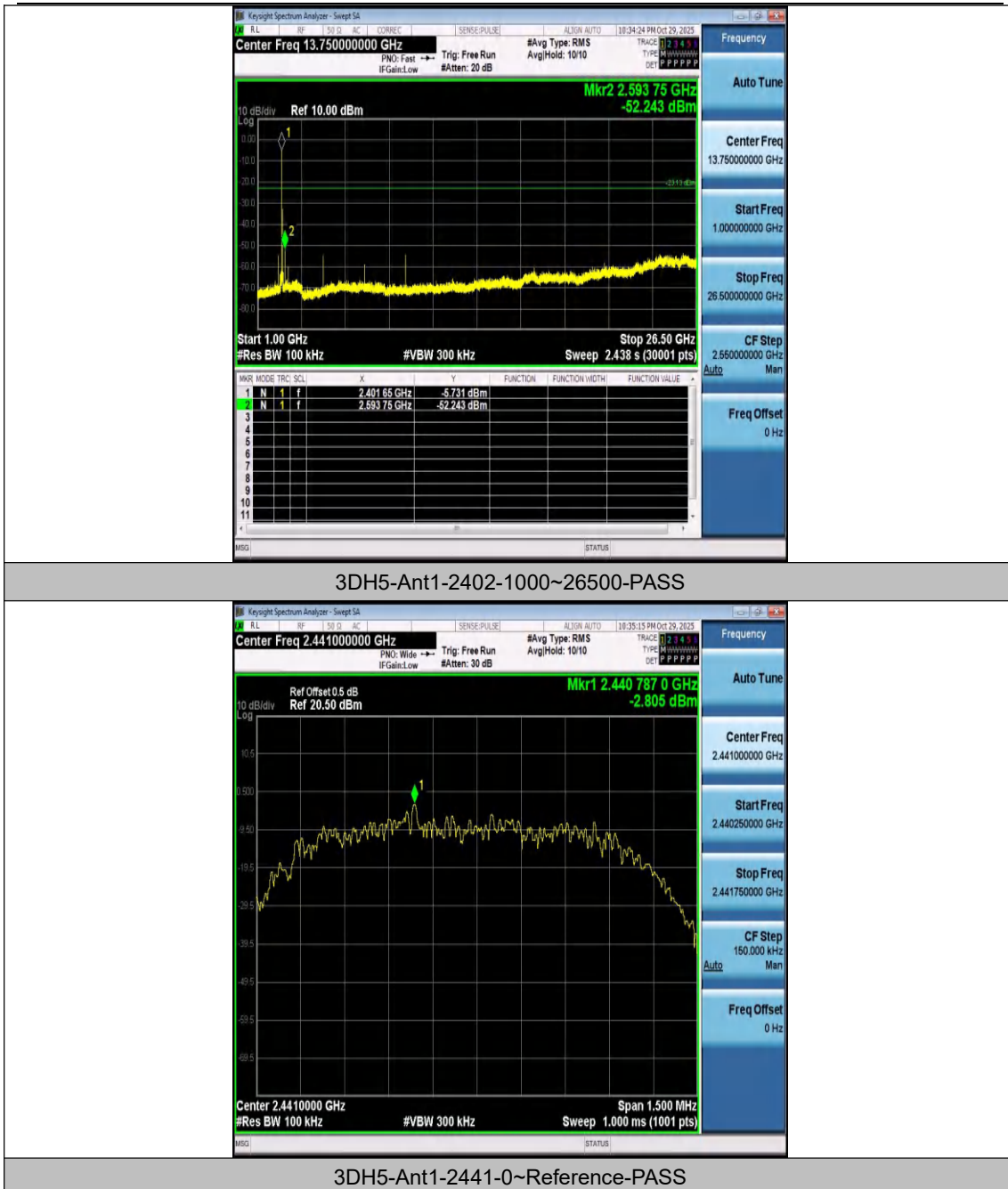
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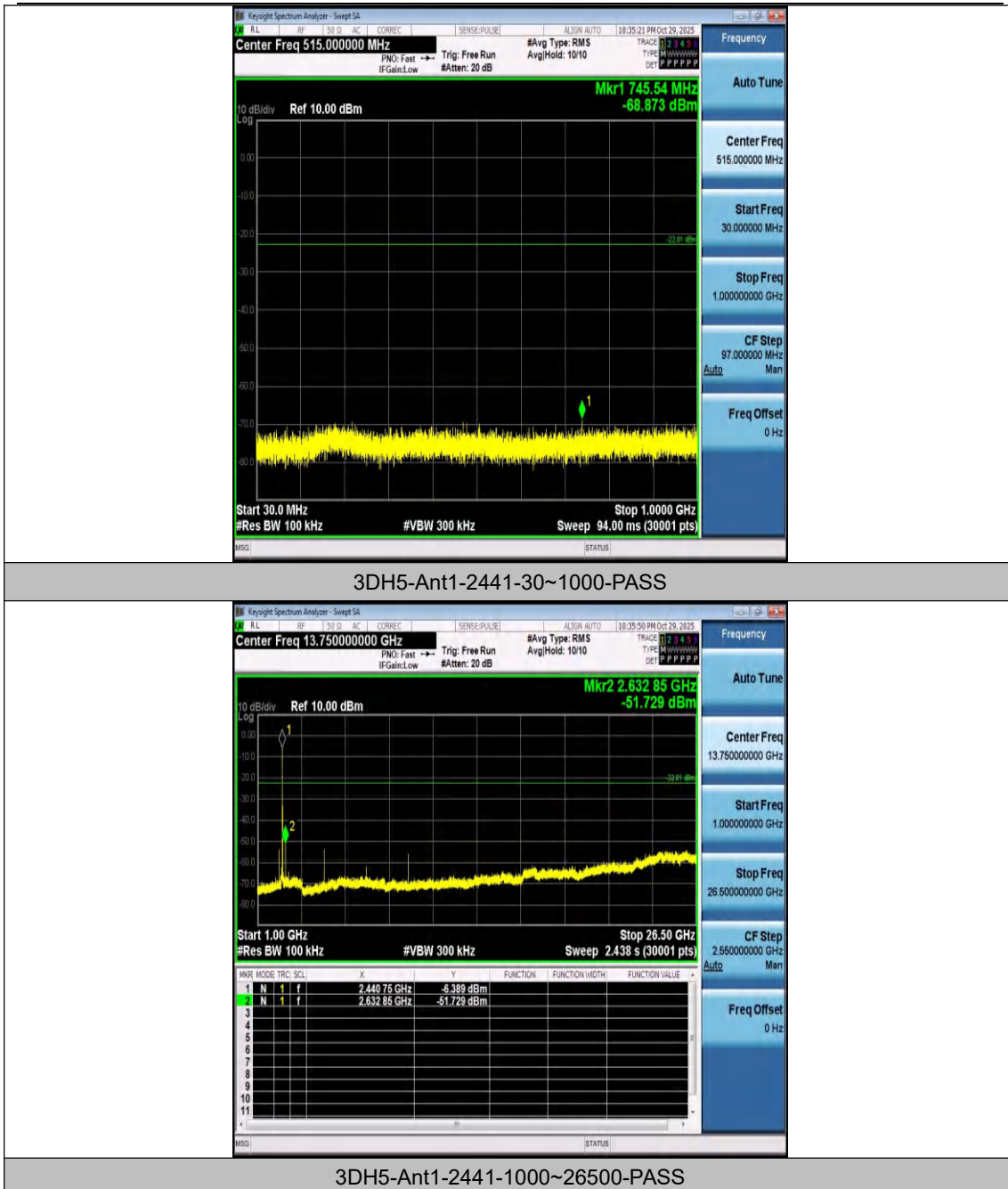
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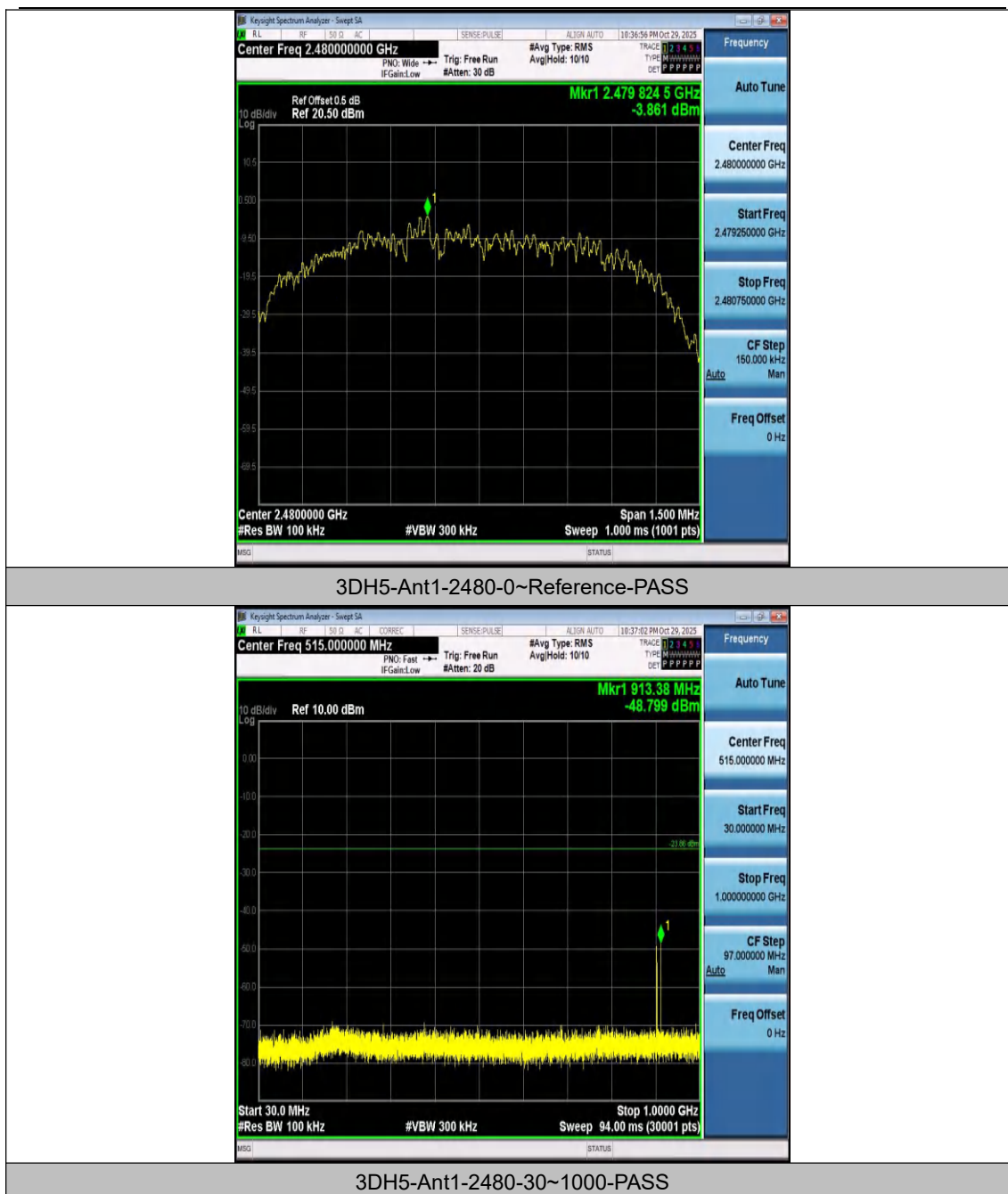


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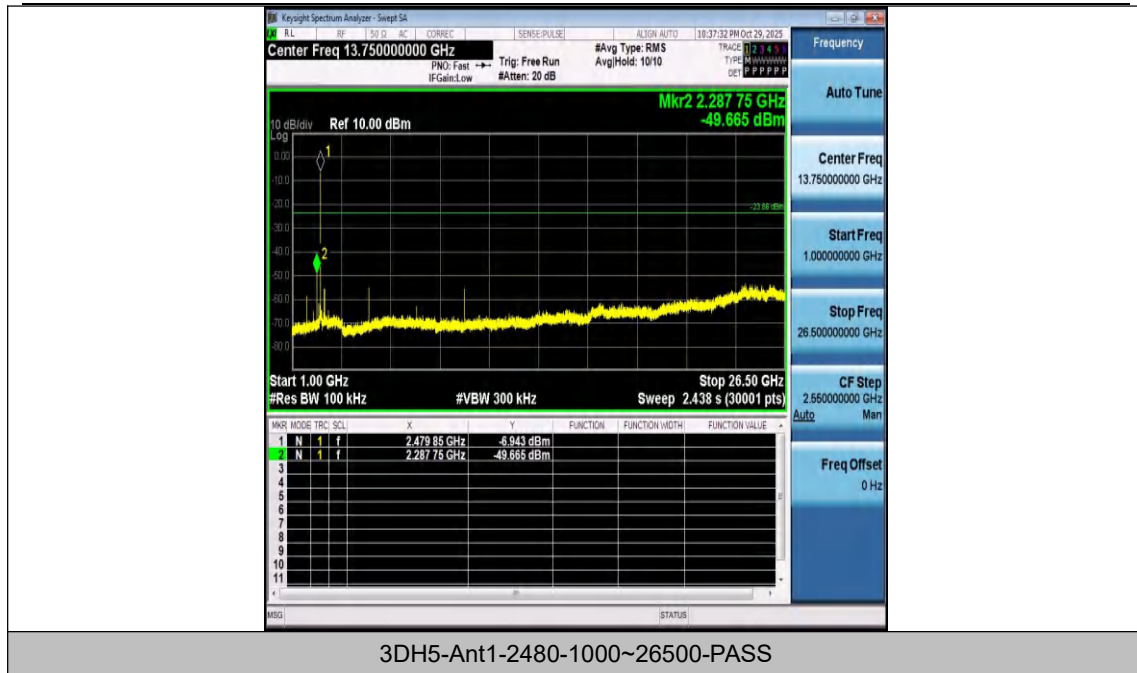




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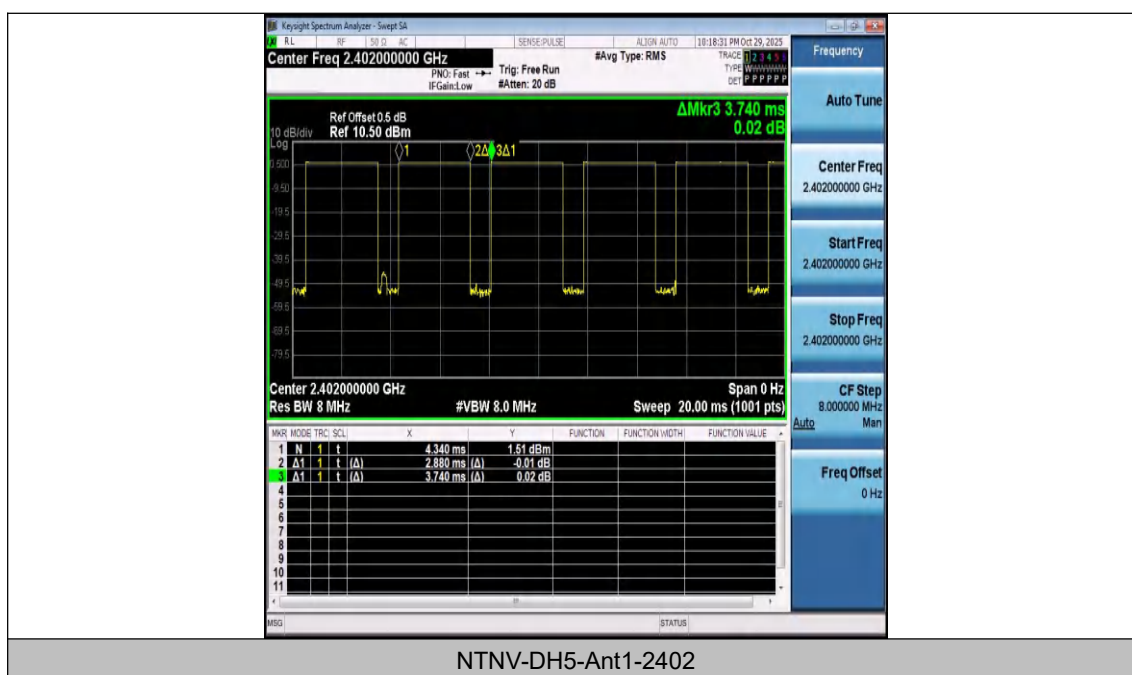
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

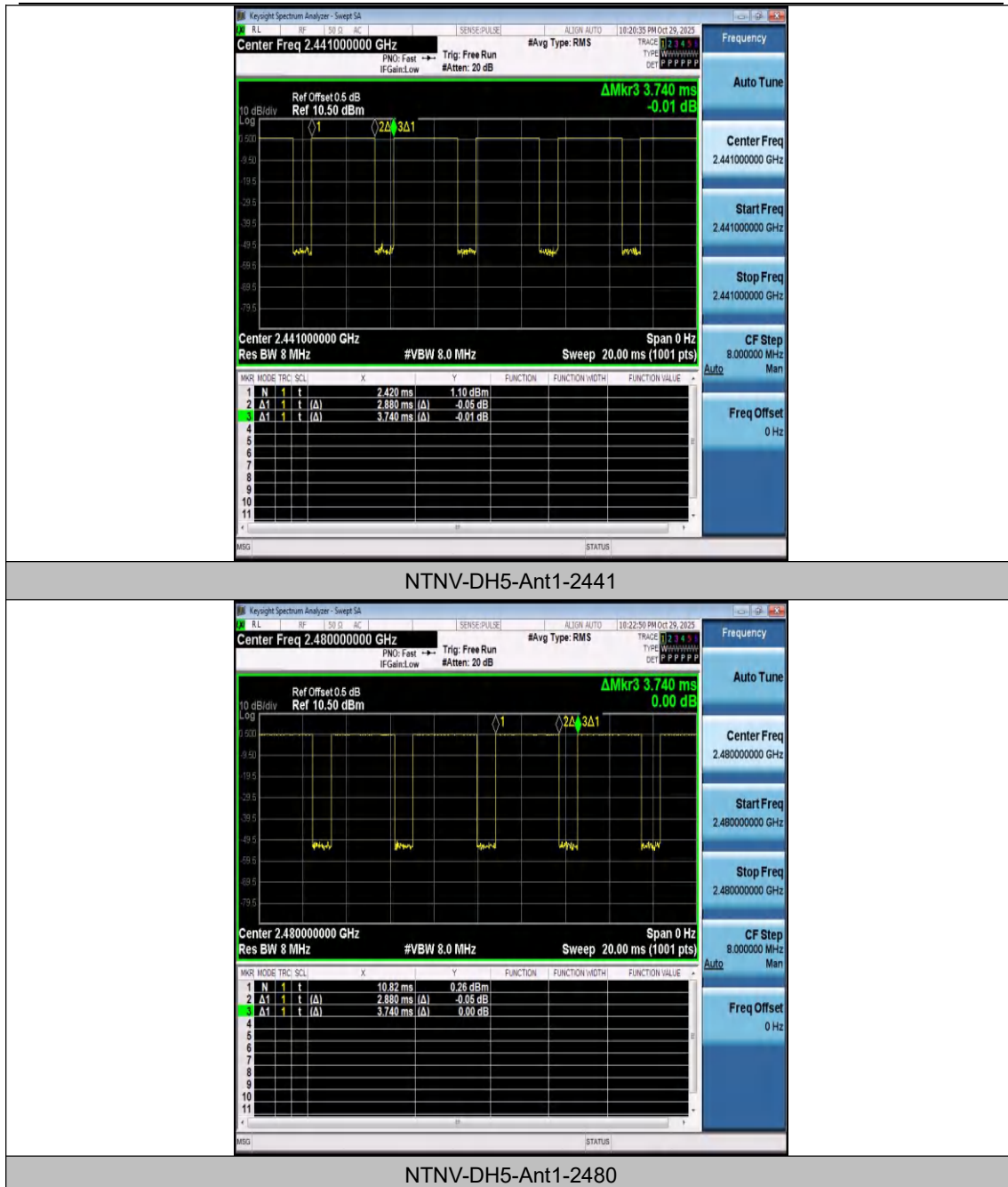
Appendix I: Duty Cycle

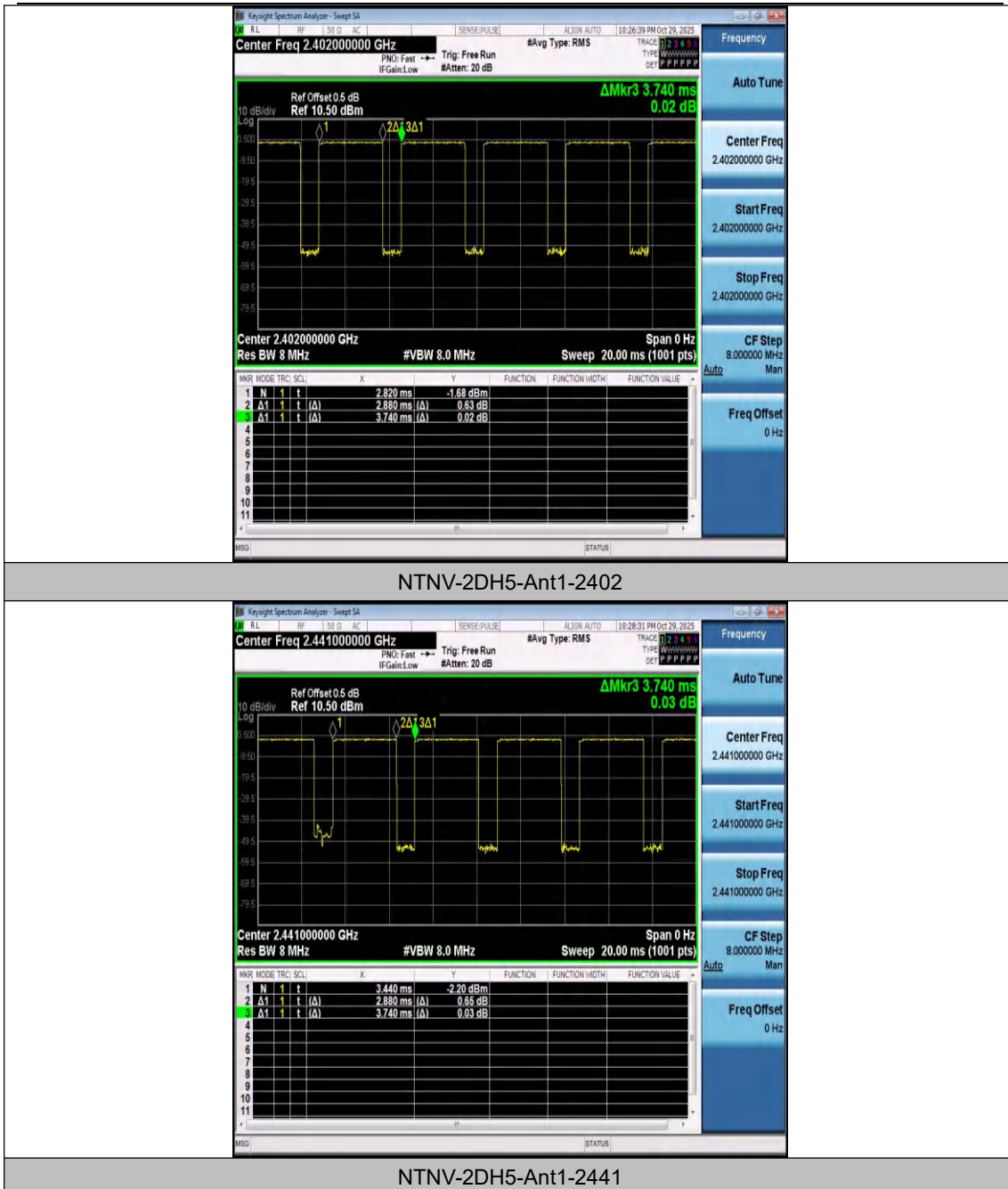
Test Result

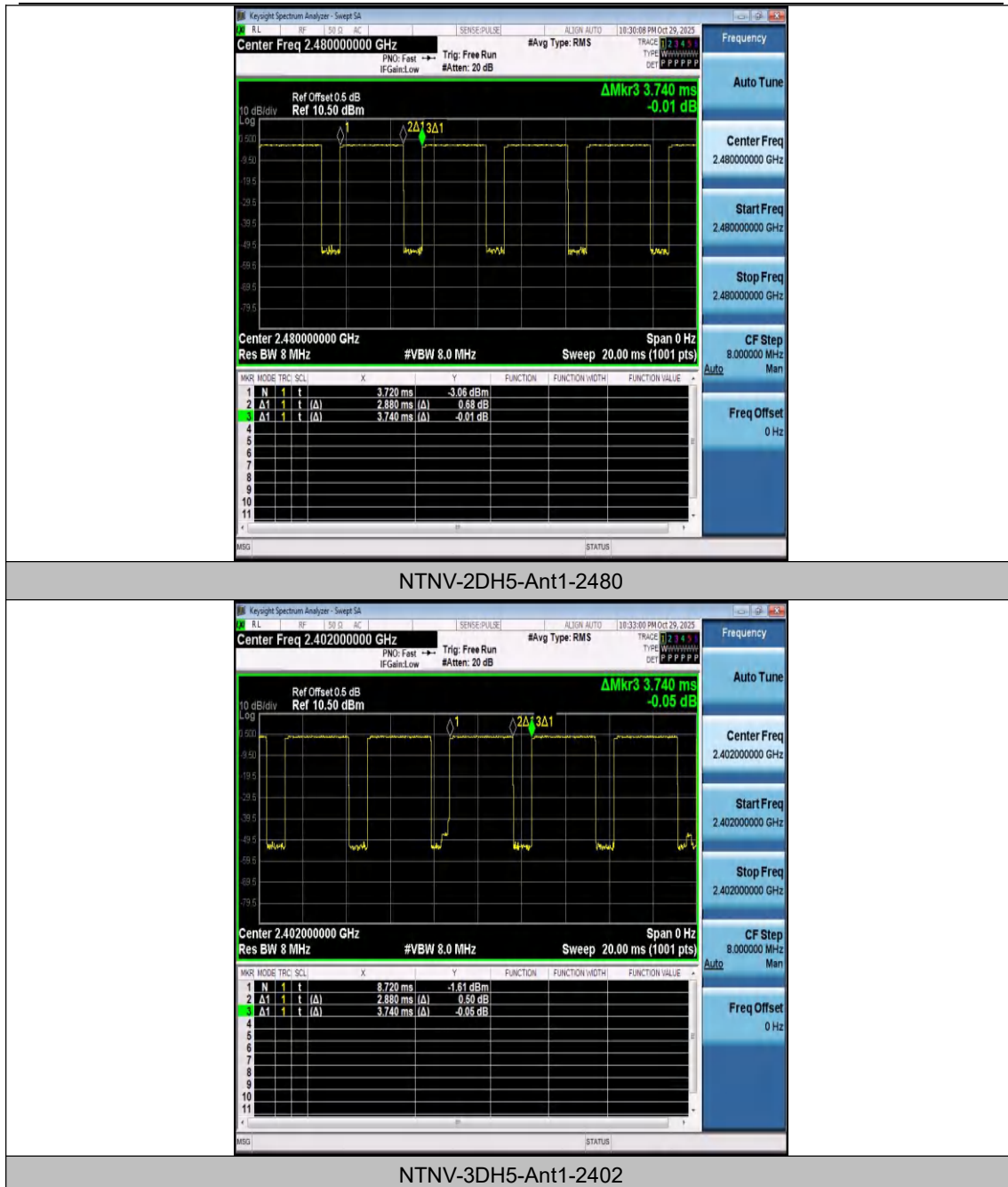
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.74	77.01	1.13
DH5	Ant1	2441	2.88	3.74	77.01	1.13
DH5	Ant1	2480	2.88	3.74	77.01	1.13
2DH5	Ant1	2402	2.88	3.74	77.01	1.13
2DH5	Ant1	2441	2.88	3.74	77.01	1.13
2DH5	Ant1	2480	2.88	3.74	77.01	1.13
3DH5	Ant1	2402	2.88	3.74	77.01	1.13
3DH5	Ant1	2441	2.88	3.74	77.01	1.13
3DH5	Ant1	2480	2.88	3.74	77.01	1.13

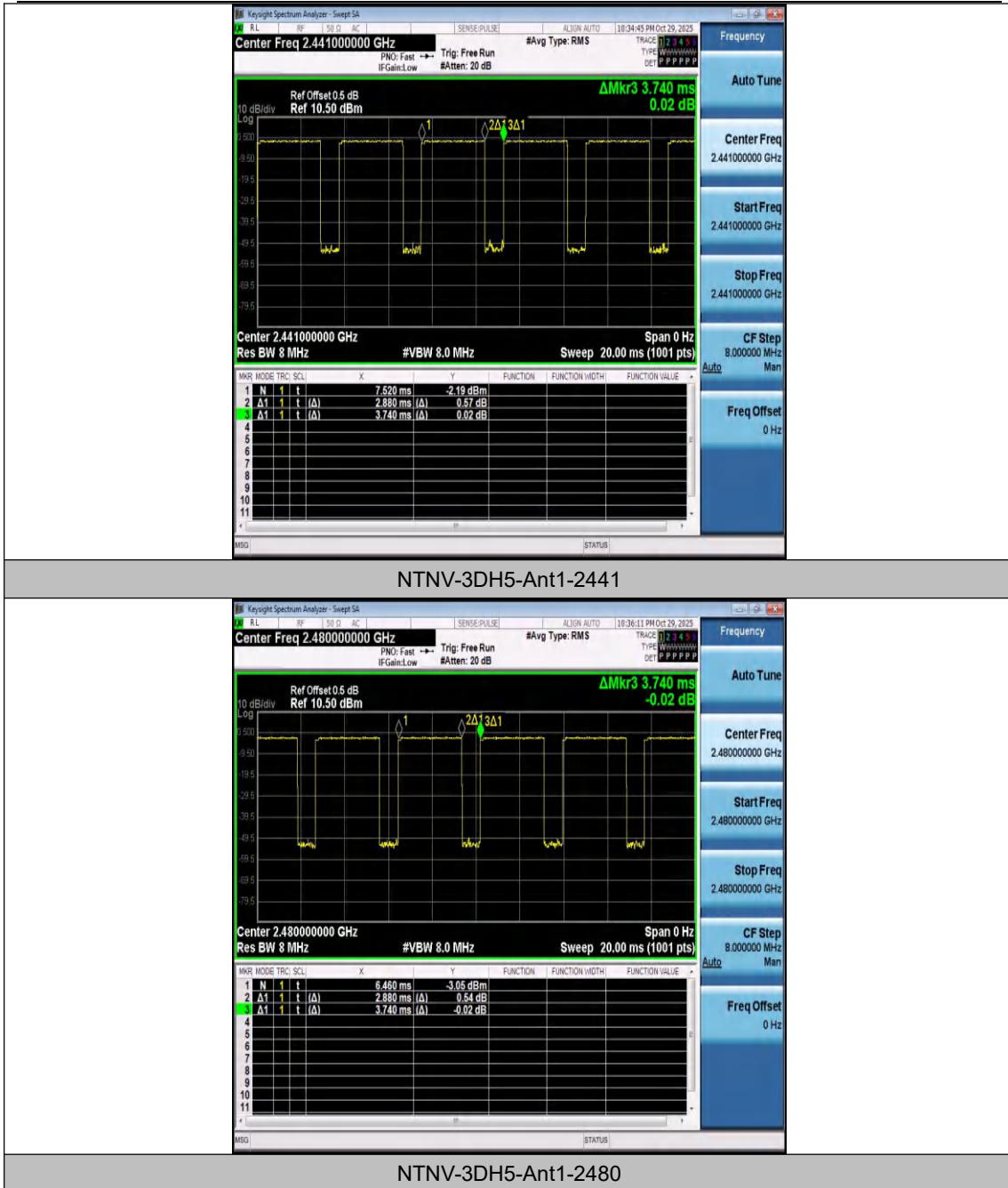
Test Graphs











---End---