

Appendix Test Data

Report No.:	1812C50222912501	Test Sample No.:	1-2-2
Start Test Date:	2025-05-19	Finish Test Date:	2025-05-19
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	27°C	Relative Humidity:	52%
Pressure:	101kPa		

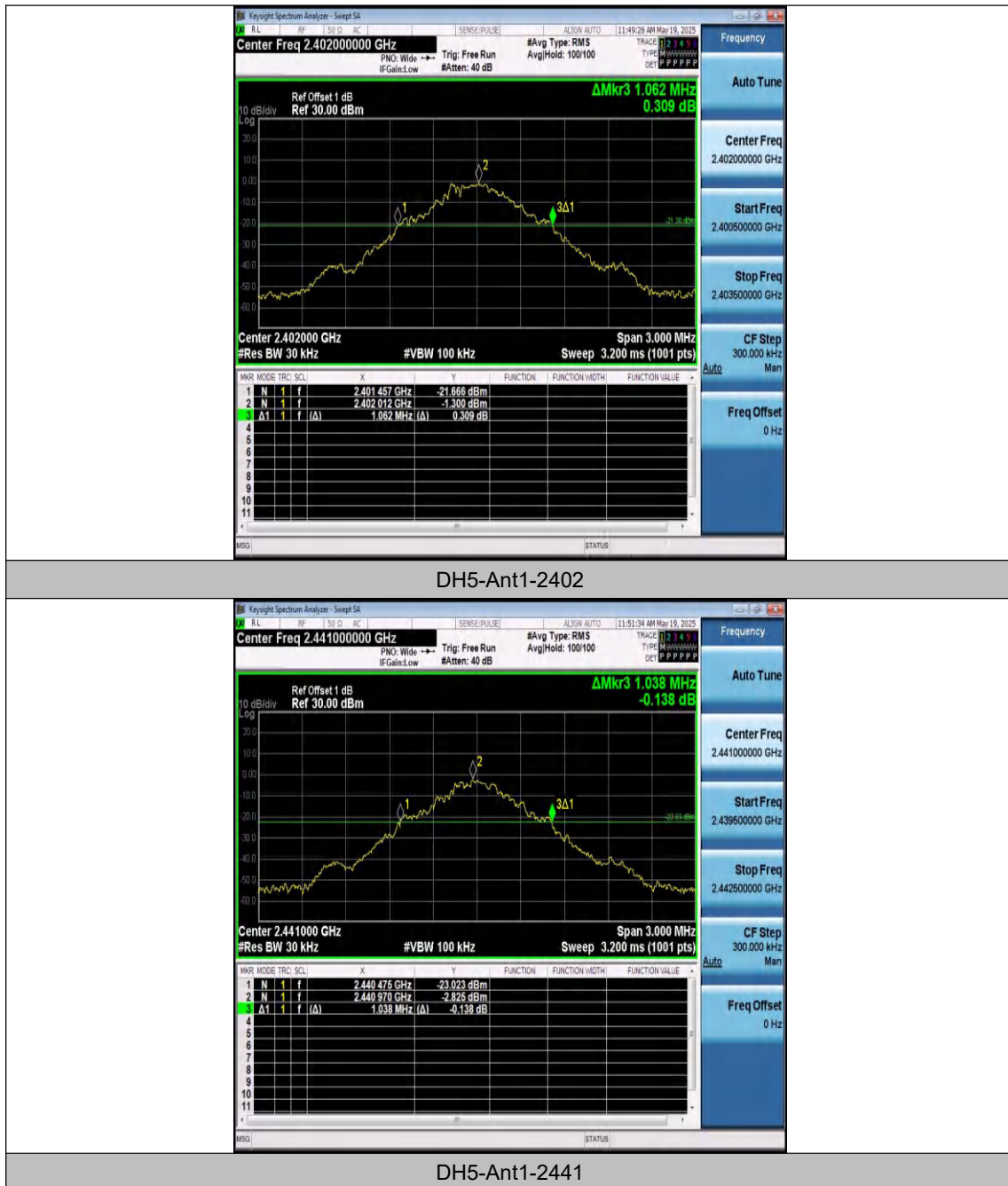
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.062	2401.457	2402.519	---	---
DH5	Ant1	2441	1.038	2440.475	2441.513	---	---
DH5	Ant1	2480	1.035	2479.475	2480.510	---	---
2DH5	Ant1	2402	1.362	2401.319	2402.681	---	---
2DH5	Ant1	2441	1.365	2440.313	2441.678	---	---
2DH5	Ant1	2480	1.365	2479.313	2480.678	---	---
3DH5	Ant1	2402	1.287	2401.337	2402.624	---	---
3DH5	Ant1	2441	1.380	2440.307	2441.687	---	---
3DH5	Ant1	2480	1.341	2479.328	2480.669	---	---



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	0.93561	2401.5270	2402.4626	---	---
DH5	Ant1	2441	0.94649	2440.5207	2441.4672	---	---
DH5	Ant1	2480	0.92813	2479.5323	2480.4604	---	---
2DH5	Ant1	2402	1.2371	2401.3872	2402.6243	---	---
2DH5	Ant1	2441	1.2563	2440.3724	2441.6287	---	---
2DH5	Ant1	2480	1.2721	2479.3634	2480.6355	---	---
3DH5	Ant1	2402	1.2387	2401.3725	2402.6112	---	---
3DH5	Ant1	2441	1.2416	2440.3700	2441.6116	---	---
3DH5	Ant1	2480	1.2369	2479.3781	2480.6150	---	---



Test Graphs



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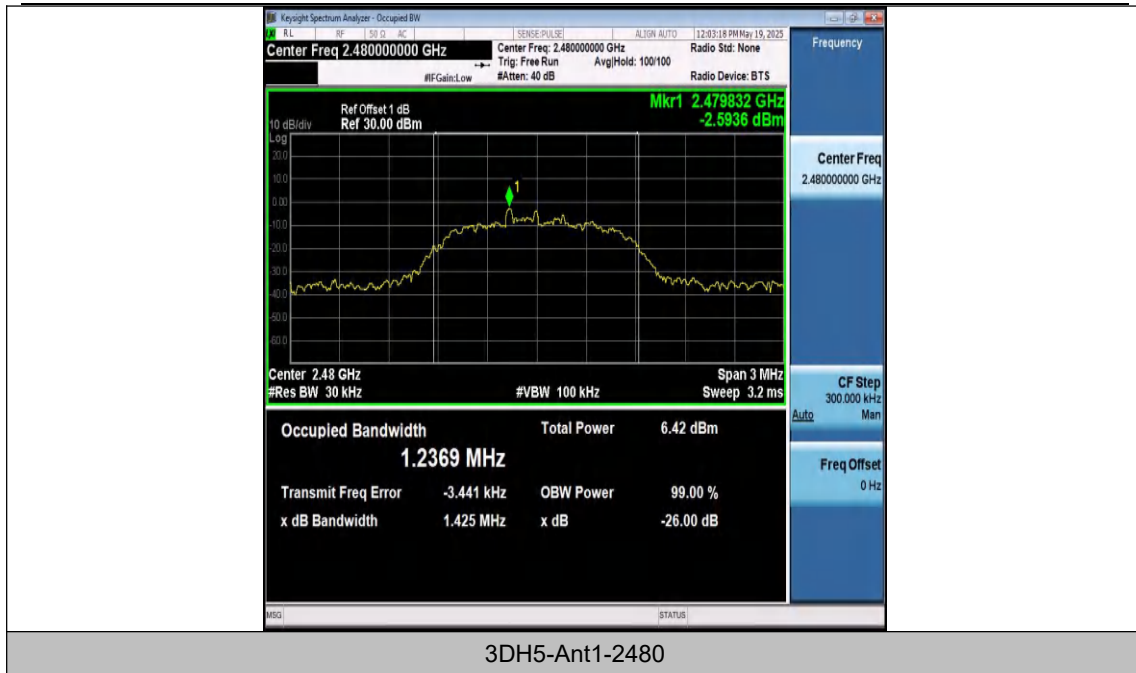
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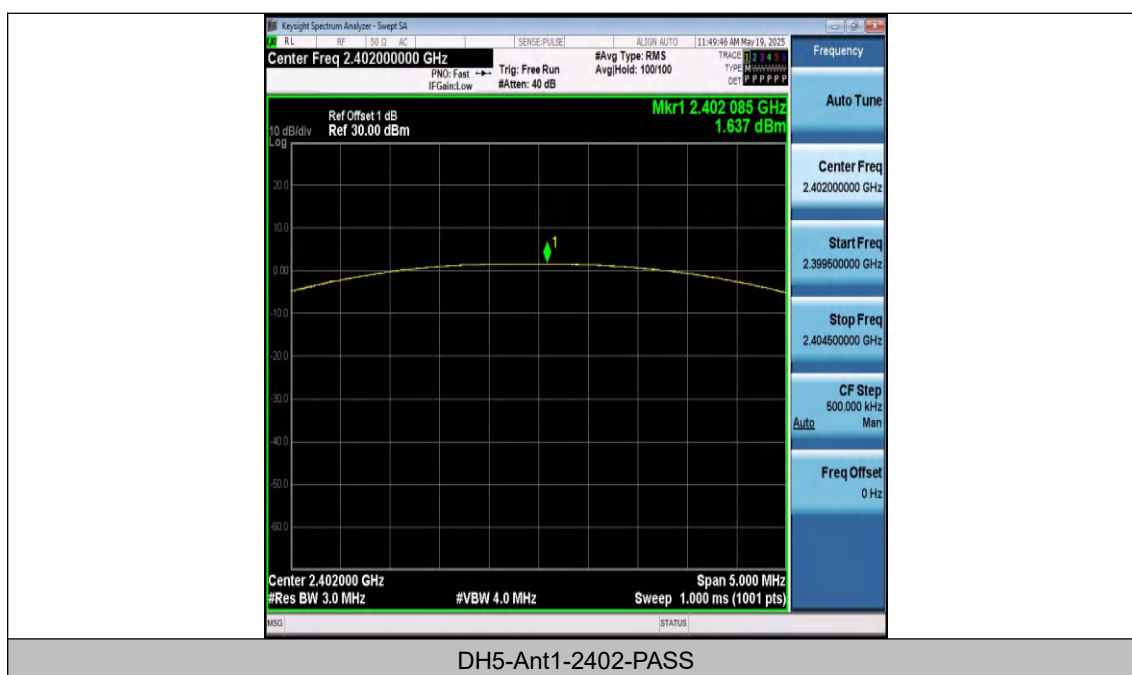
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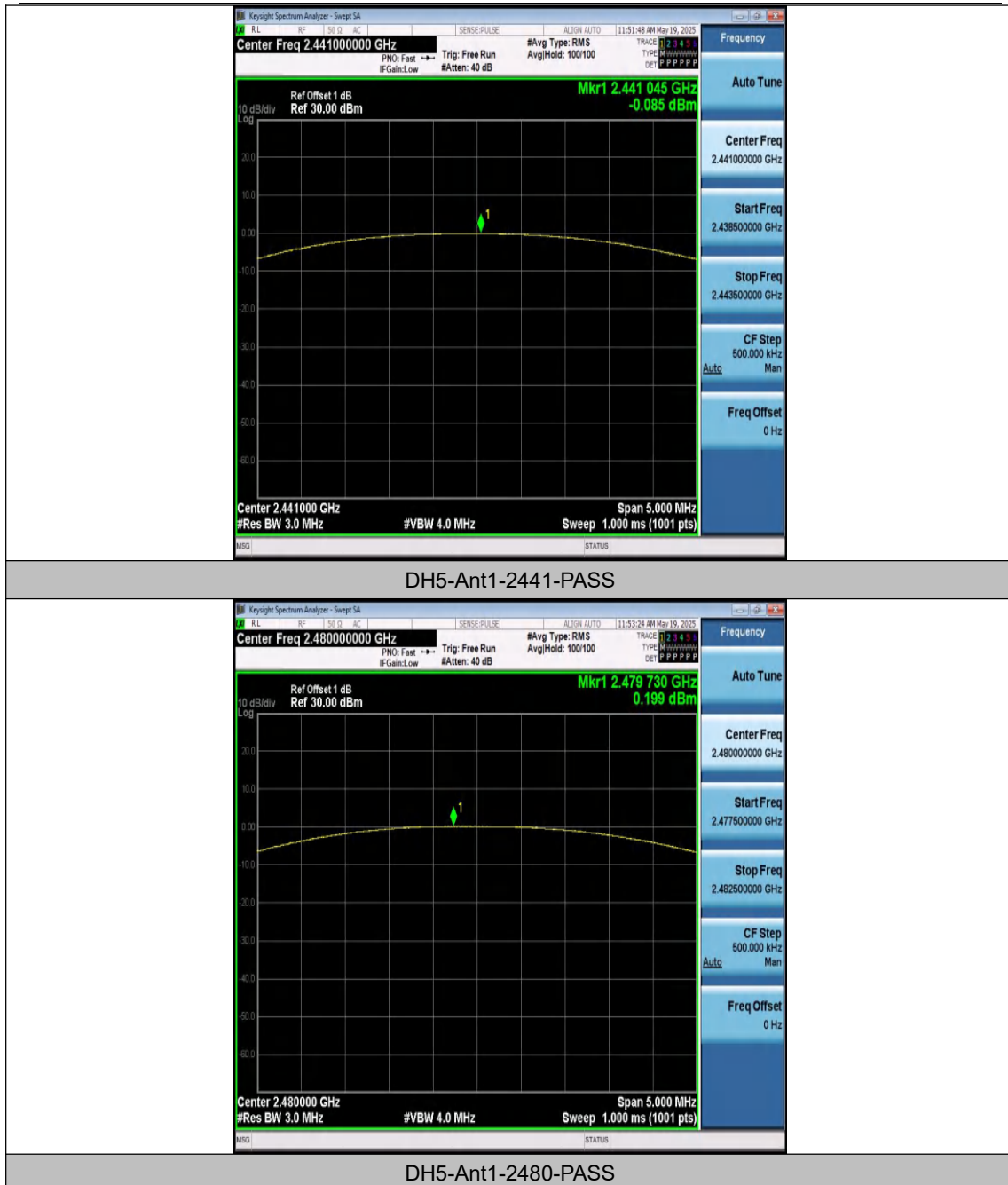
Appendix C: Maximum Conducted Output Power

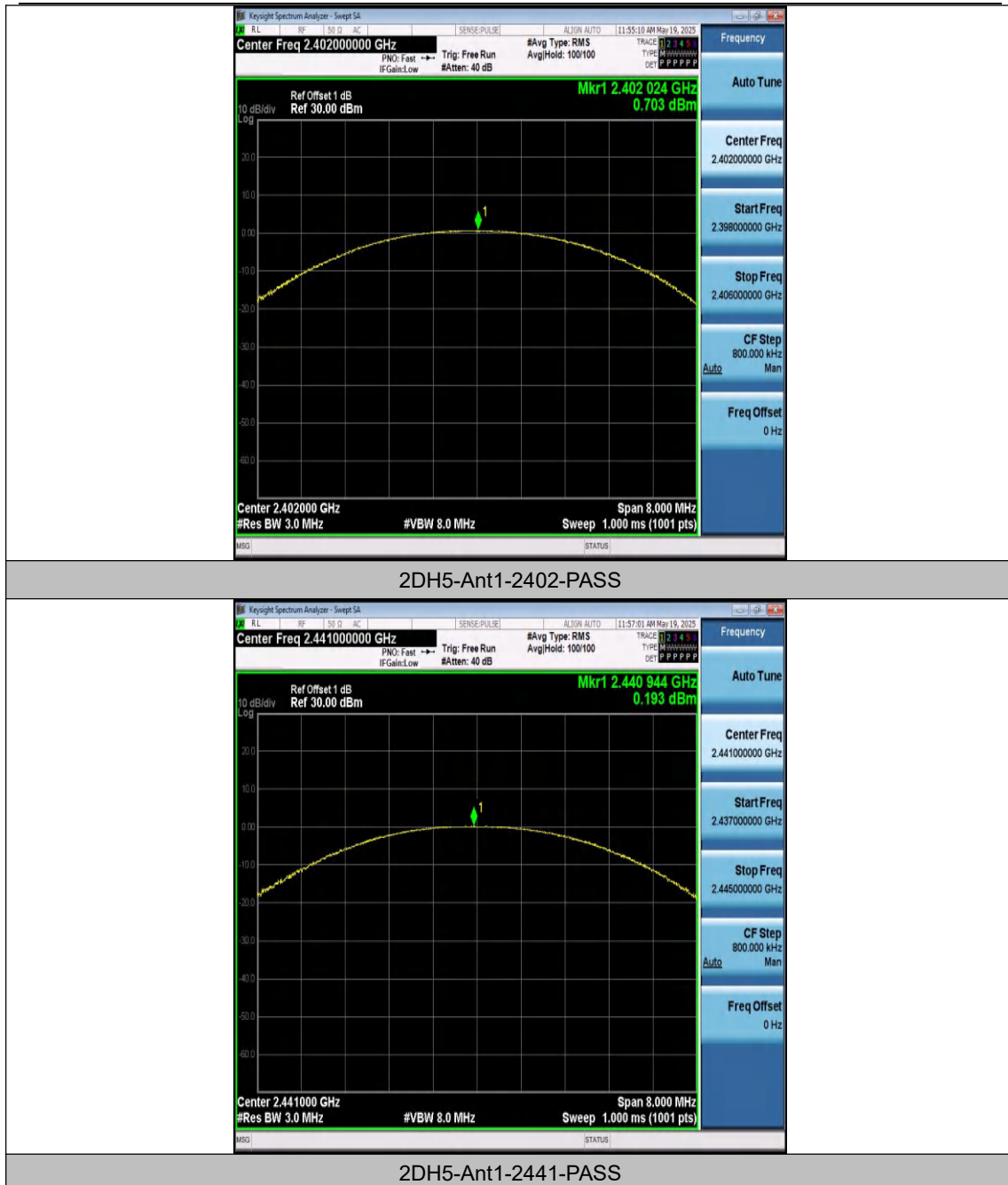
Test Result Peak

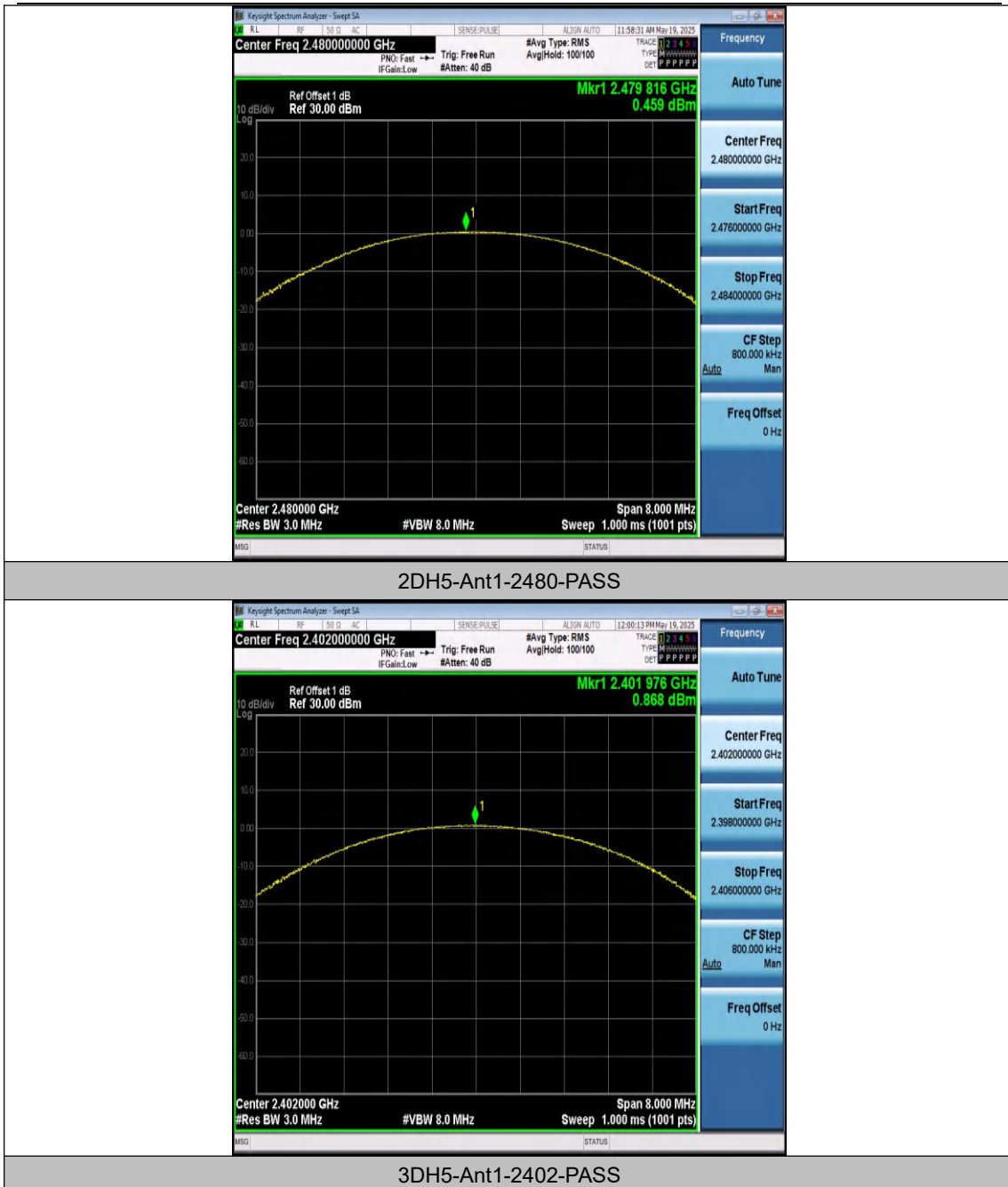
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.64	≤20.97	PASS
DH5	Ant1	2441	-0.09	≤20.97	PASS
DH5	Ant1	2480	0.20	≤20.97	PASS
2DH5	Ant1	2402	0.70	≤20.97	PASS
2DH5	Ant1	2441	0.19	≤20.97	PASS
2DH5	Ant1	2480	0.46	≤20.97	PASS
3DH5	Ant1	2402	0.87	≤20.97	PASS
3DH5	Ant1	2441	0.33	≤20.97	PASS
3DH5	Ant1	2480	0.61	≤20.97	PASS

Test Graphs







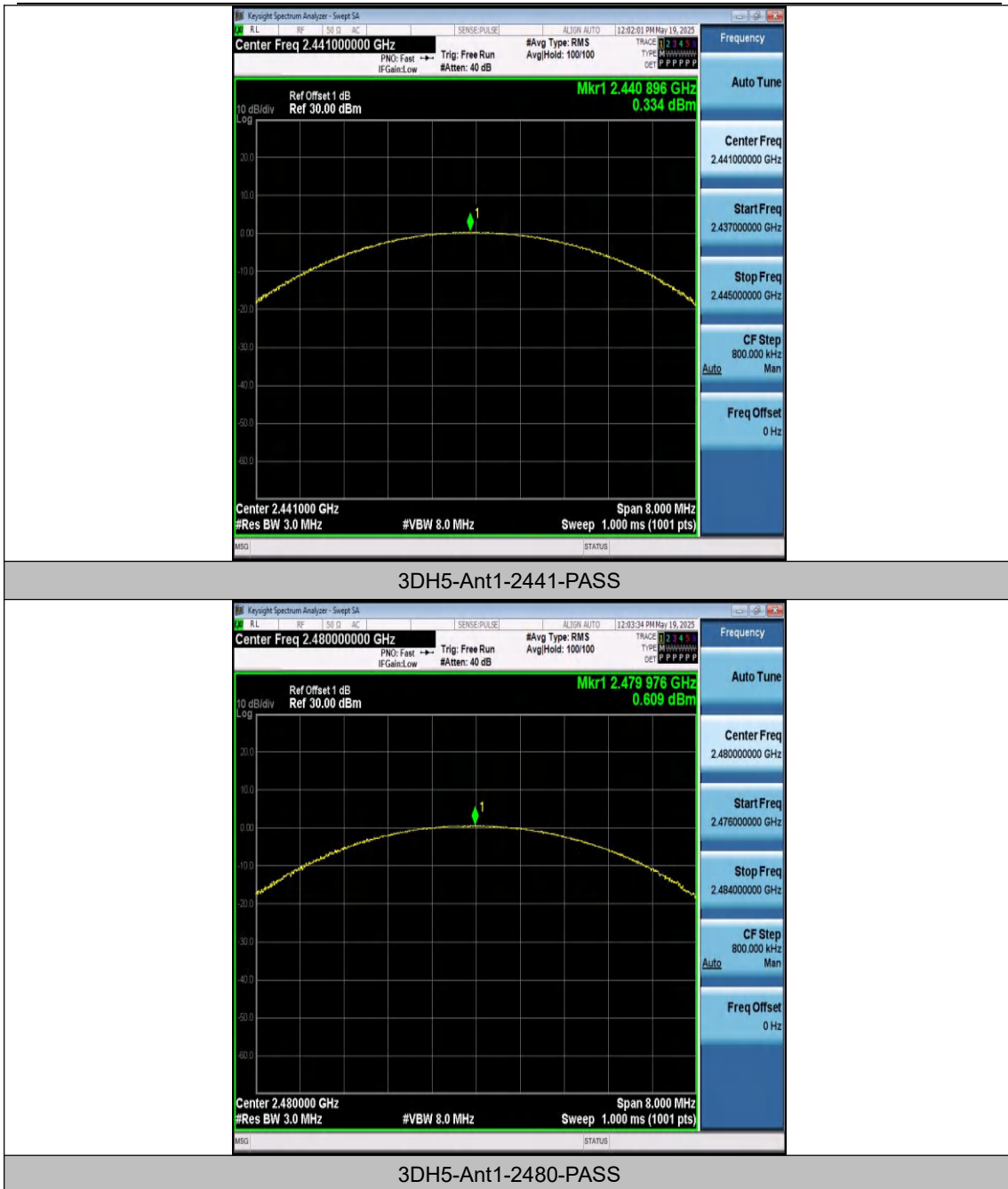


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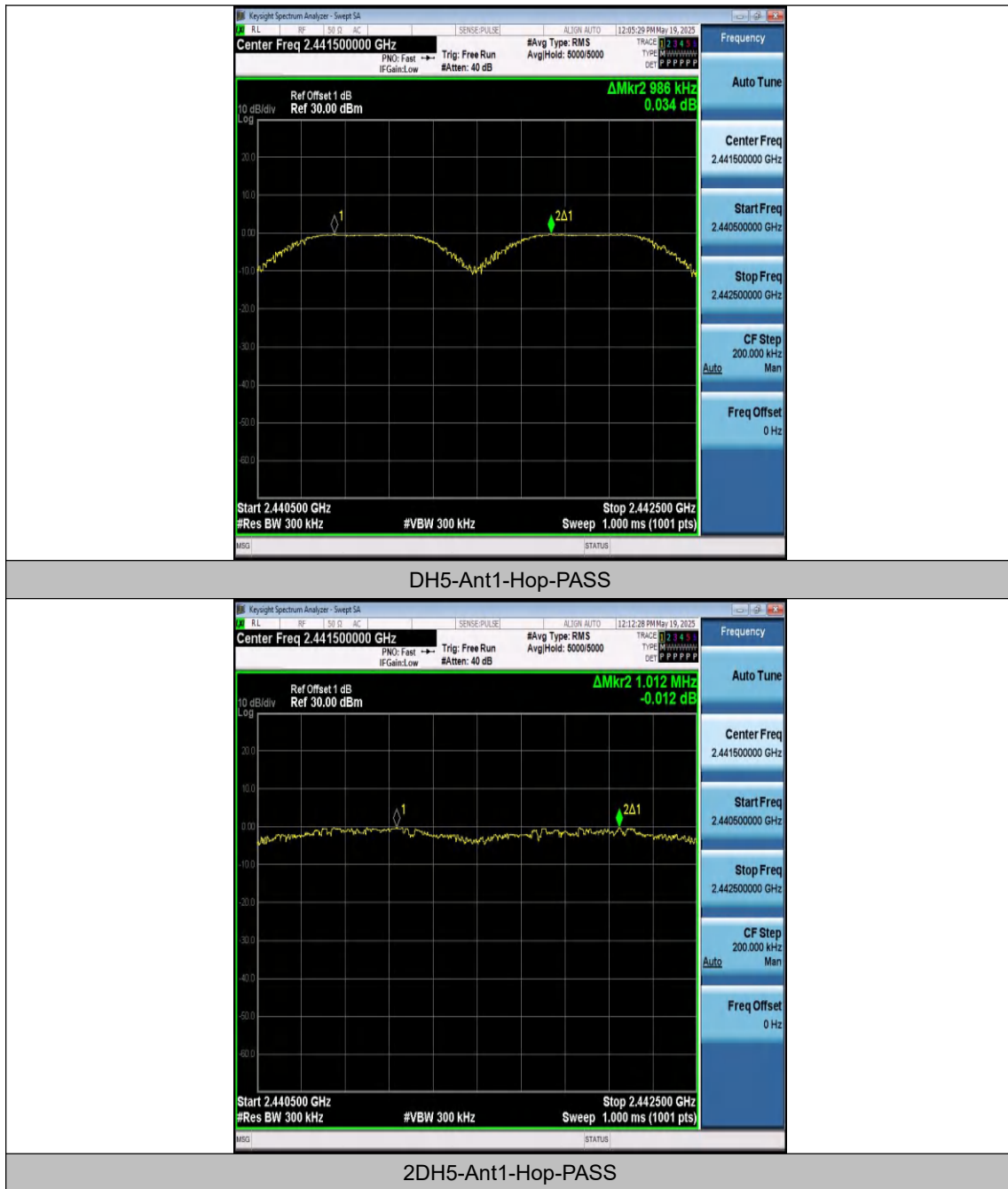
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥0.708	PASS
2DH5	Ant1	Hop	1.012	≥0.910	PASS
3DH5	Ant1	Hop	1.266	≥0.920	PASS

Test Graphs



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Appendix E: Dwell Time

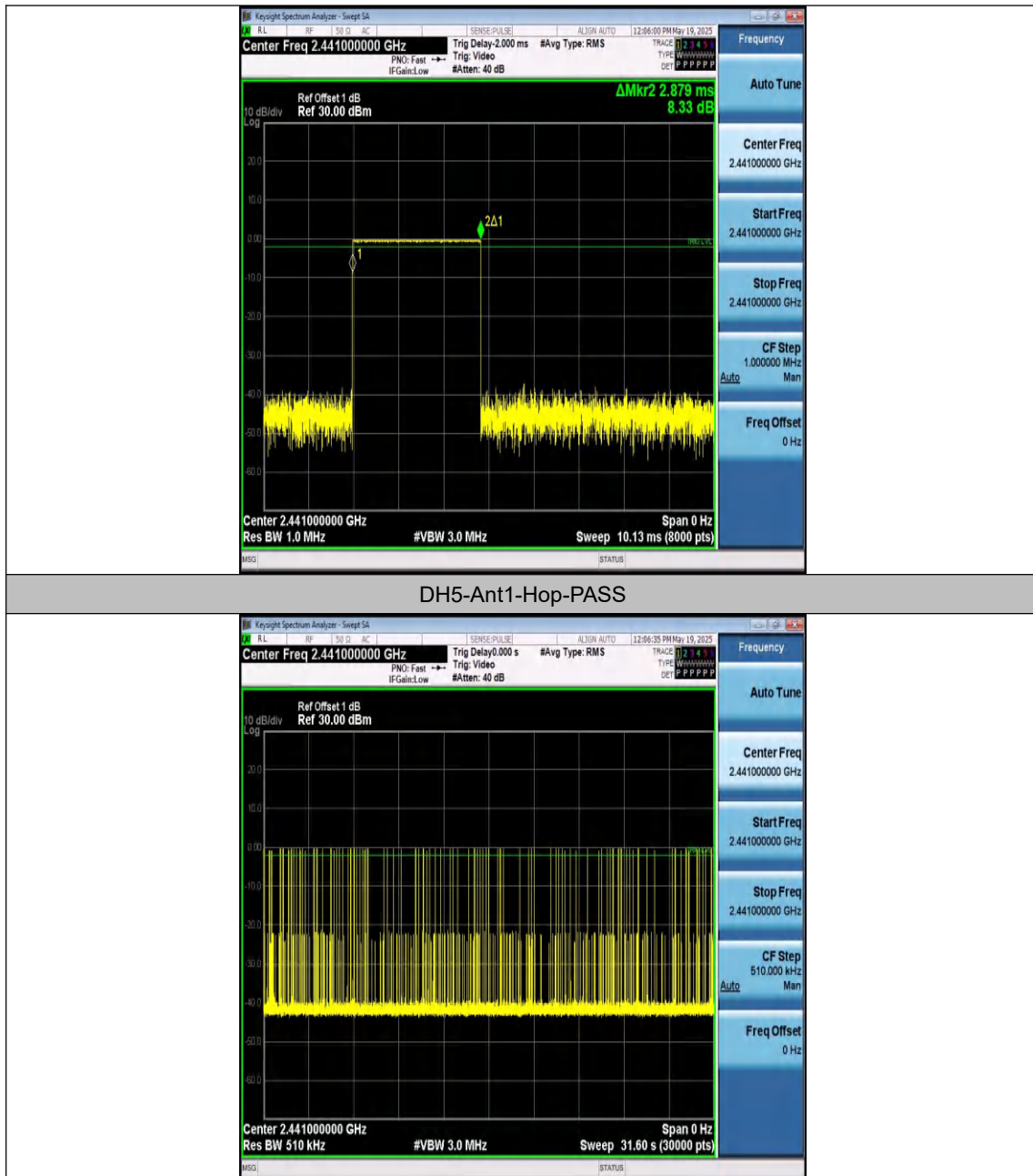
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	108	0.311	≤0.4	PASS
2DH5	Ant1	Hop	2.884	108	0.311	≤0.4	PASS
3DH5	Ant1	Hop	2.887	94	0.271	≤0.4	PASS

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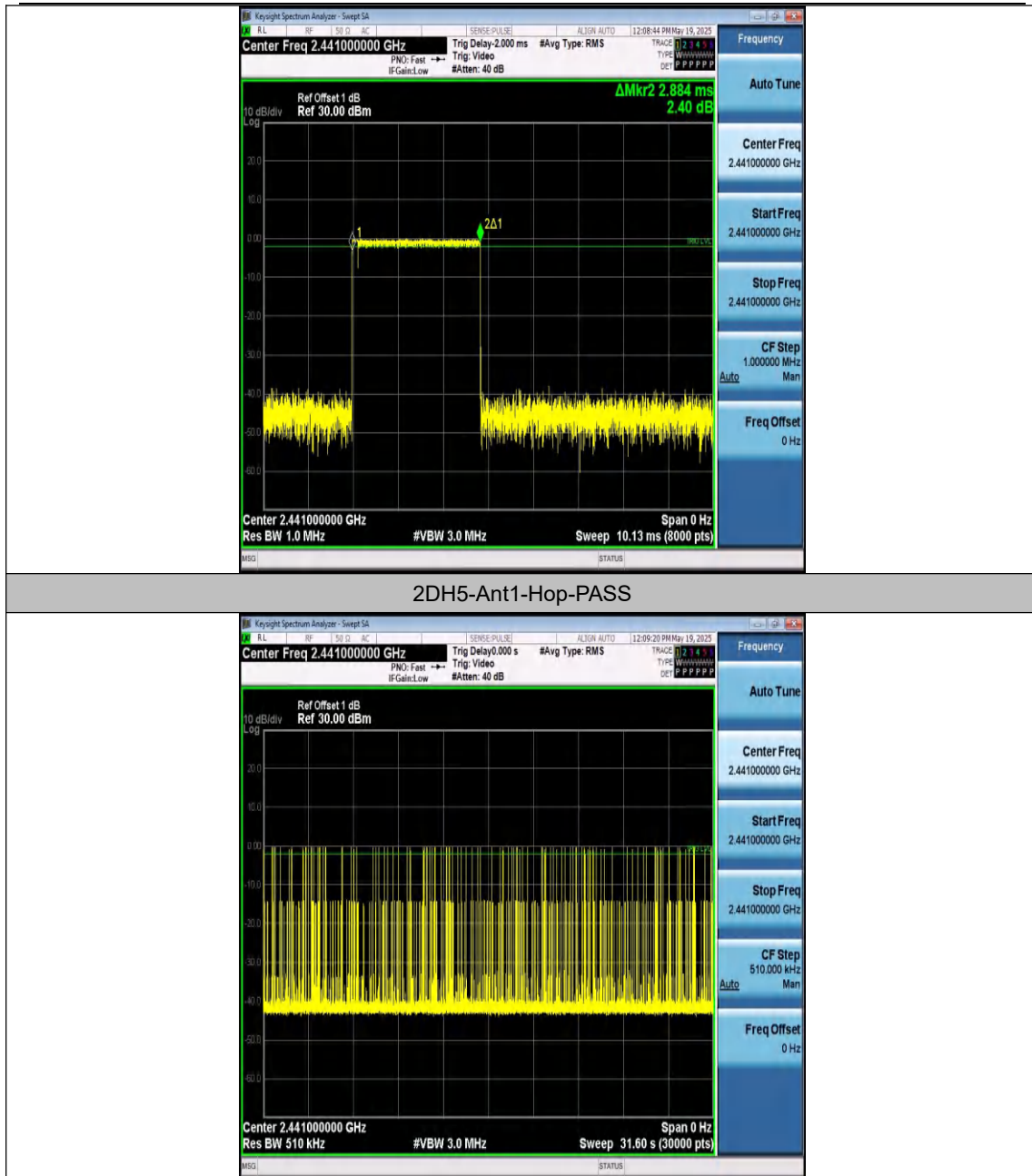
Test Graphs



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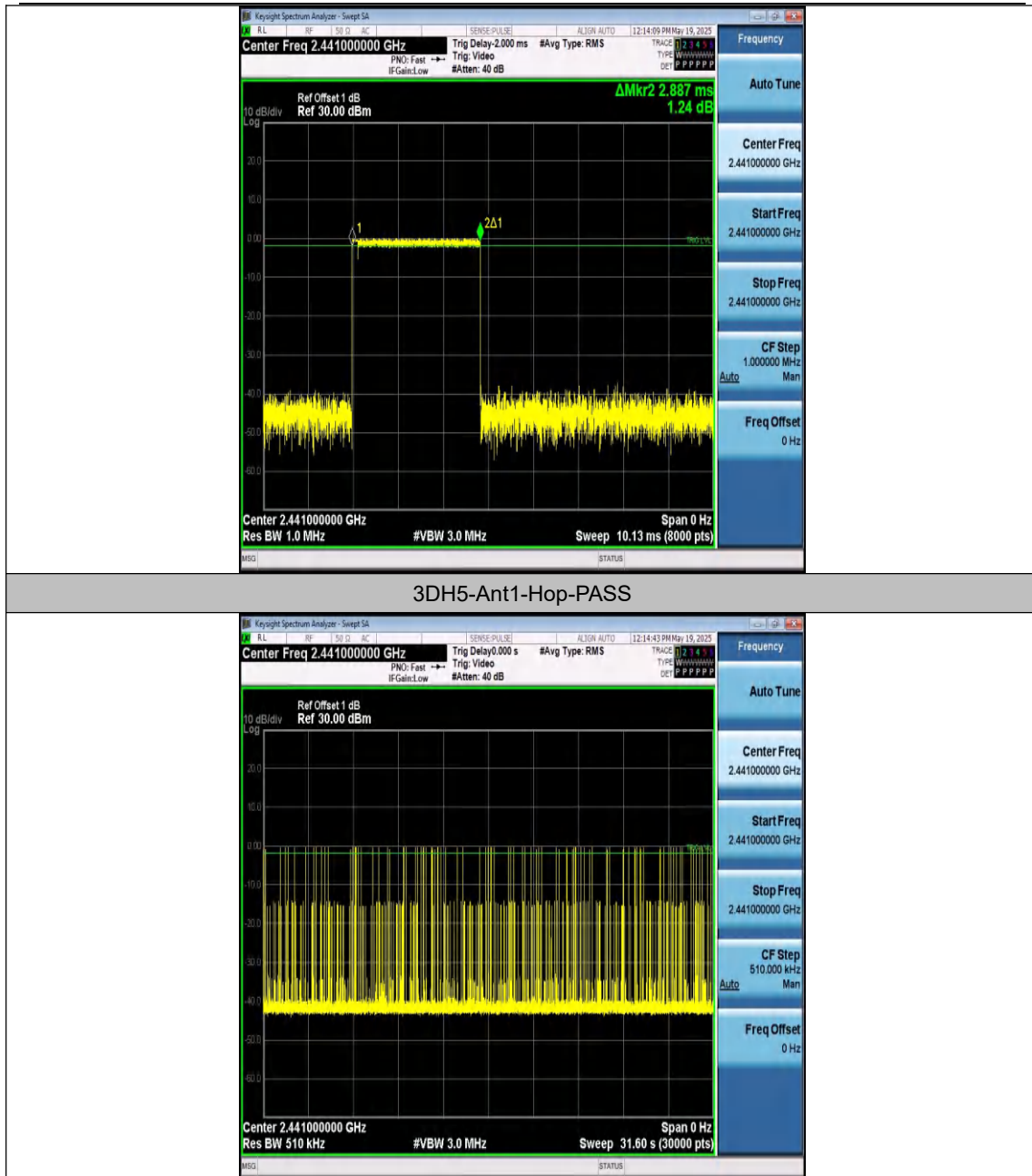
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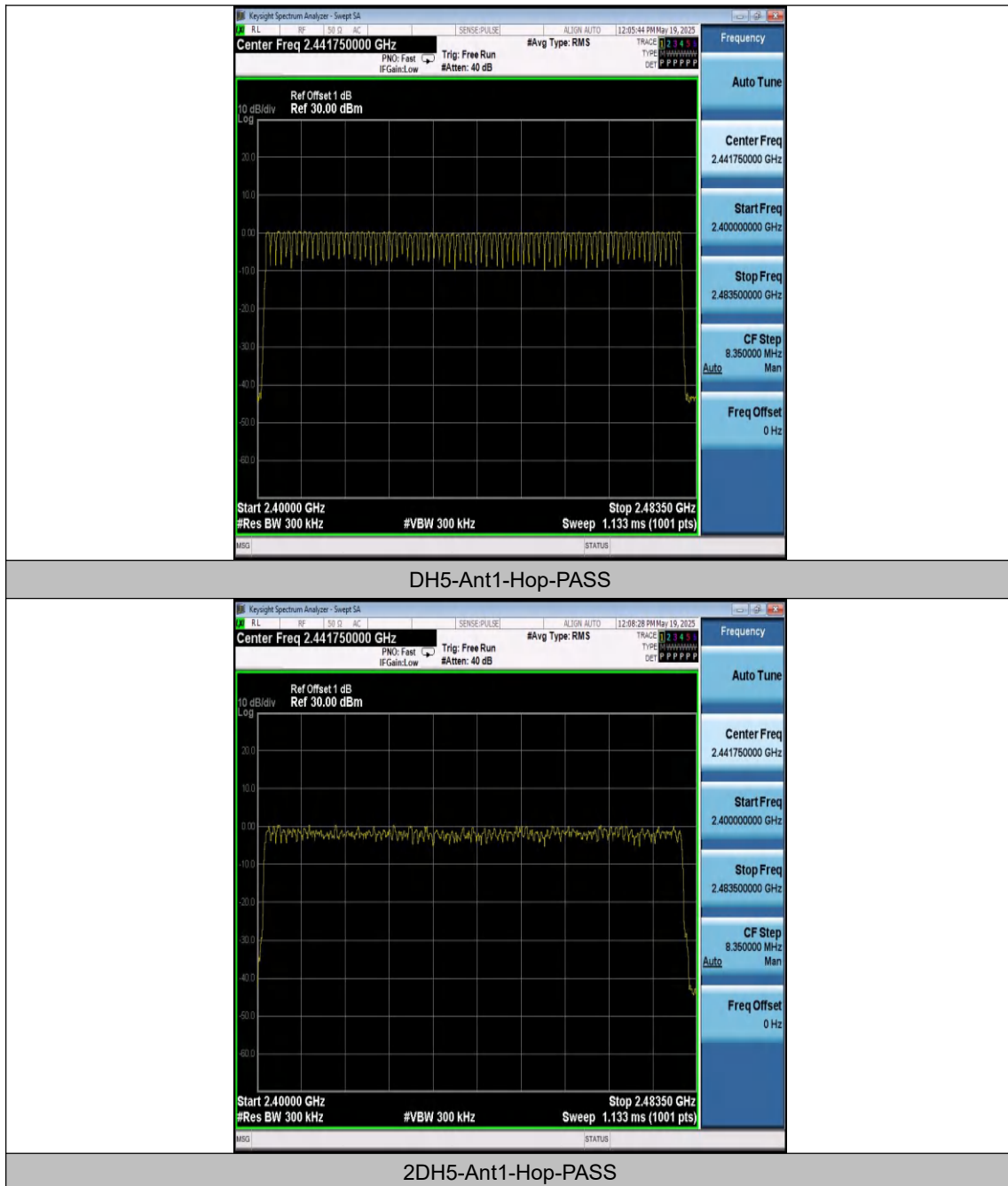
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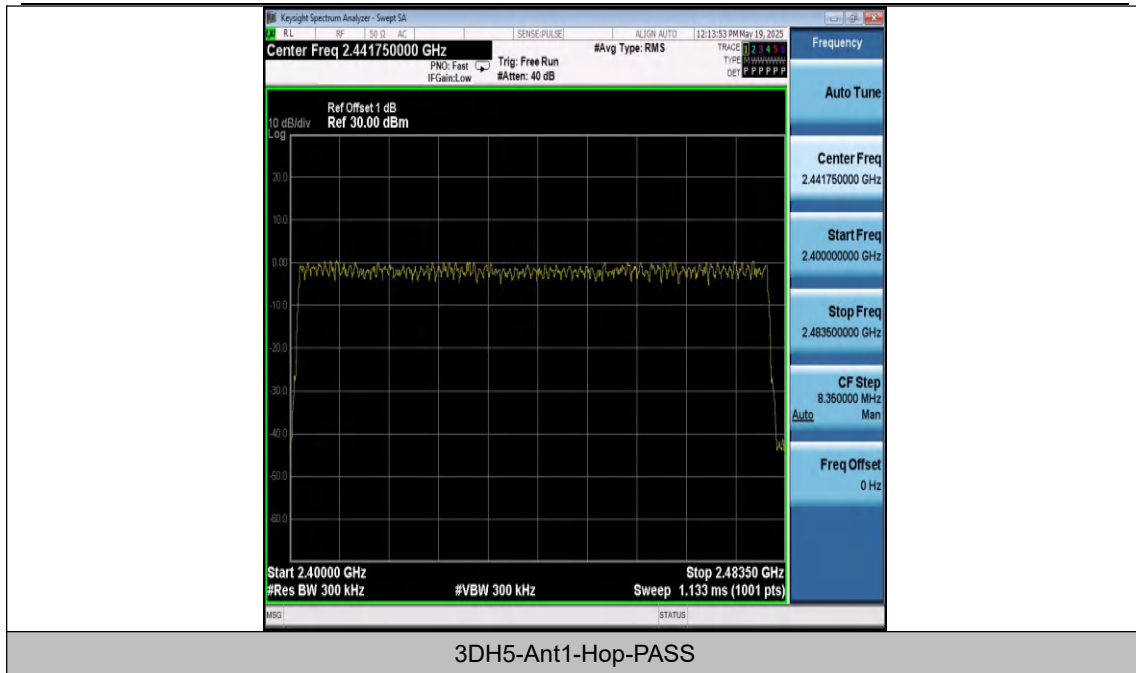
Appendix F: Number of Hopping Channel

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

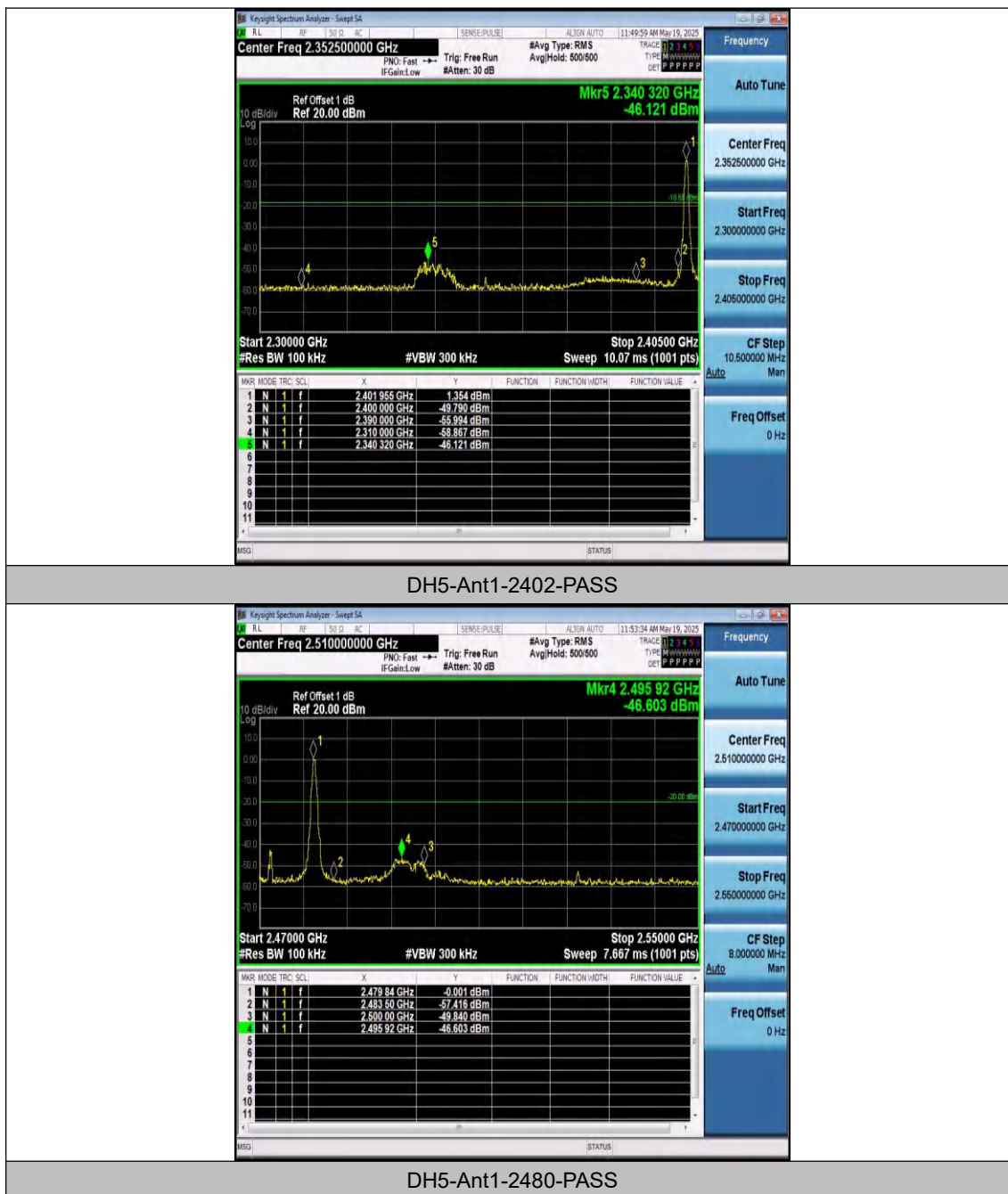
Test Result

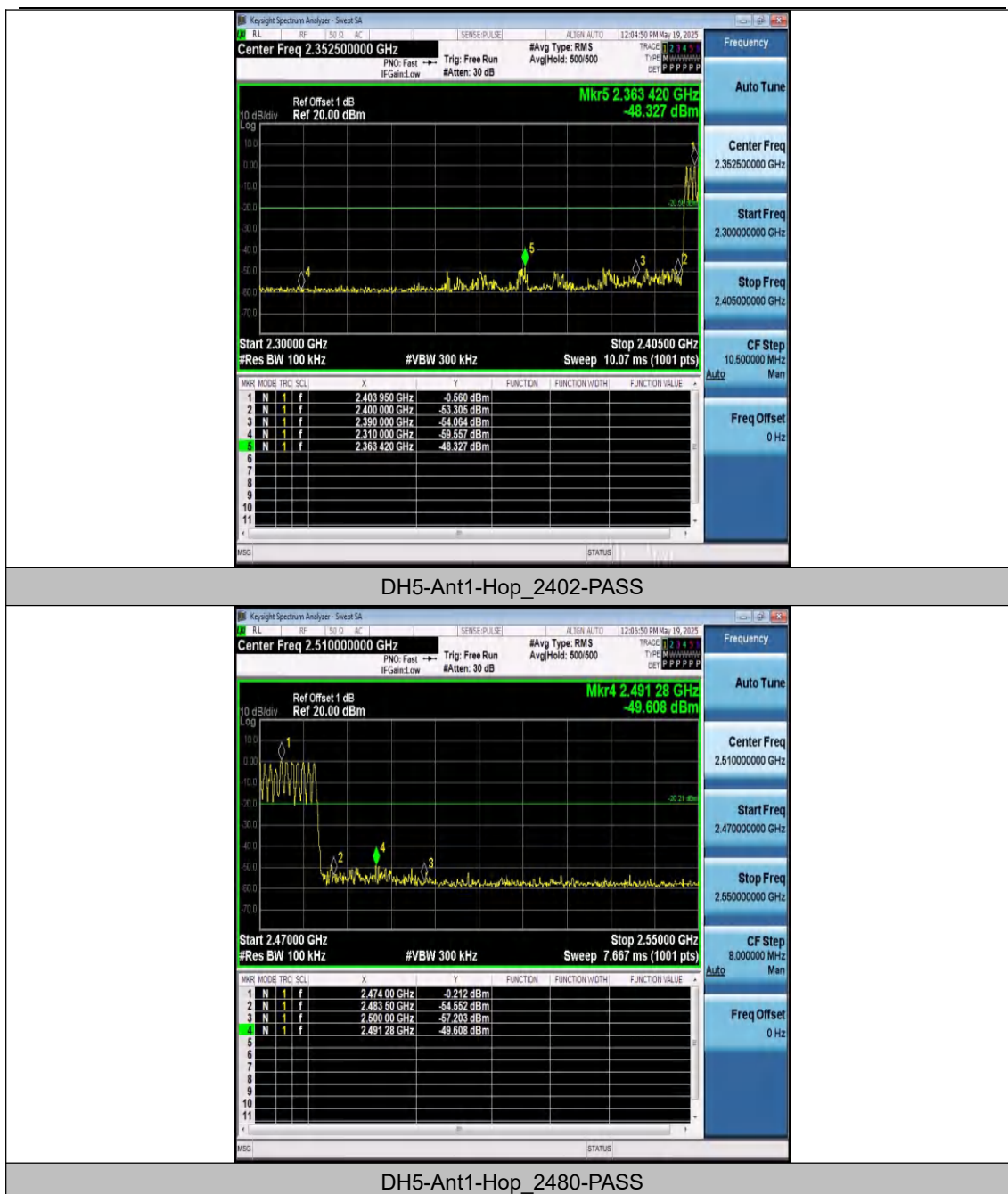
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.35	-46.12	≤-18.65	PASS
DH5	Ant1	High	2480	0.00	-46.6	≤-20	PASS
DH5	Ant1	Low	Hop_2402	-0.56	-48.33	≤-20.56	PASS
DH5	Ant1	High	Hop_2480	-0.21	-49.61	≤-20.21	PASS
2DH5	Ant1	Low	2402	-0.03	-48.79	≤-20.03	PASS
2DH5	Ant1	High	2480	-0.06	-46.58	≤-20.06	PASS
2DH5	Ant1	Low	Hop_2402	-3.09	-49.97	≤-23.09	PASS
2DH5	Ant1	High	Hop_2480	0.03	-50.28	≤-19.97	PASS
3DH5	Ant1	Low	2402	-0.07	-48.43	≤-20.07	PASS
3DH5	Ant1	High	2480	-0.91	-44.55	≤-20.91	PASS
3DH5	Ant1	Low	Hop_2402	-2.04	-49.03	≤-22.04	PASS
3DH5	Ant1	High	Hop_2480	-1.53	-53.53	≤-21.53	PASS

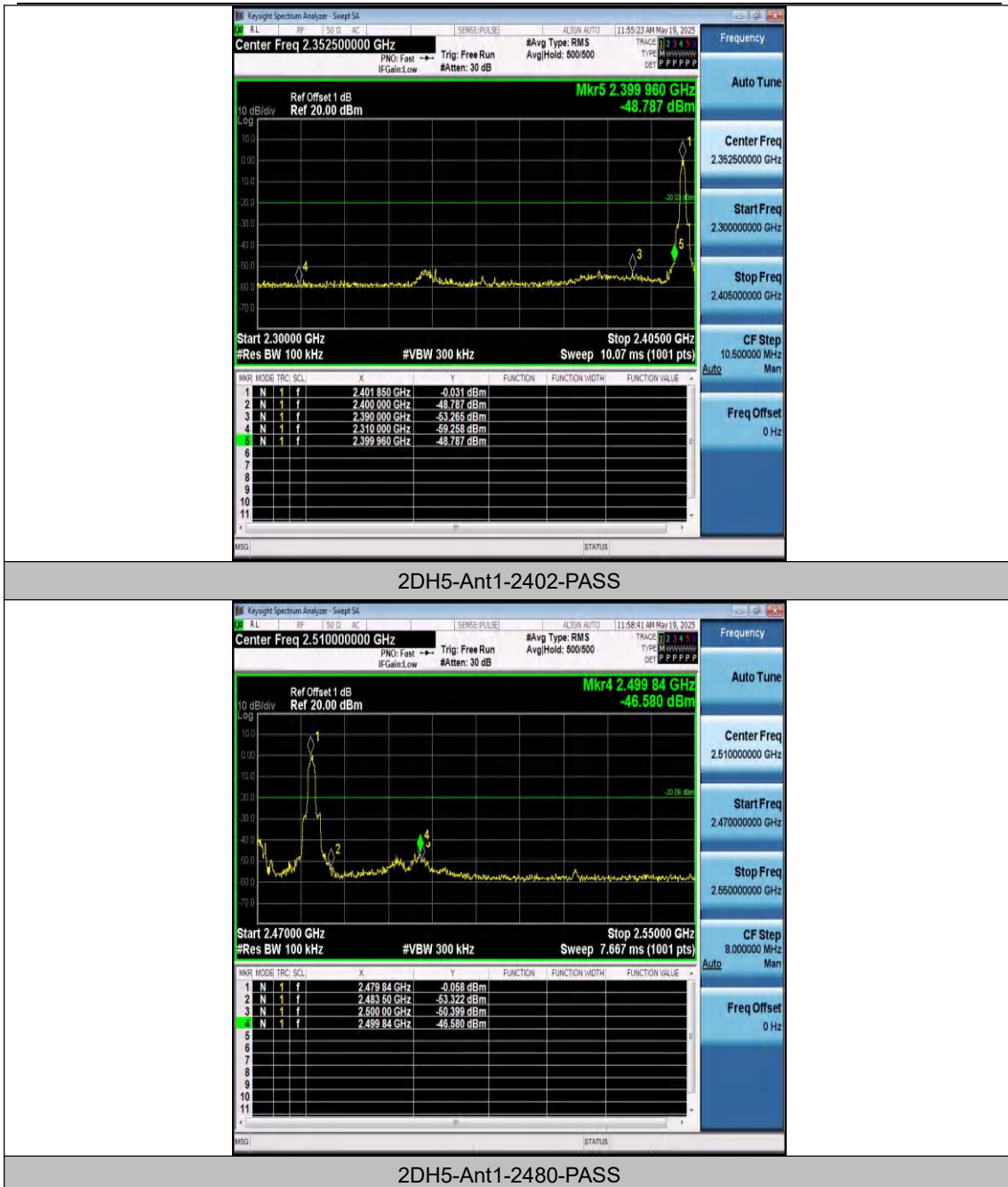
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

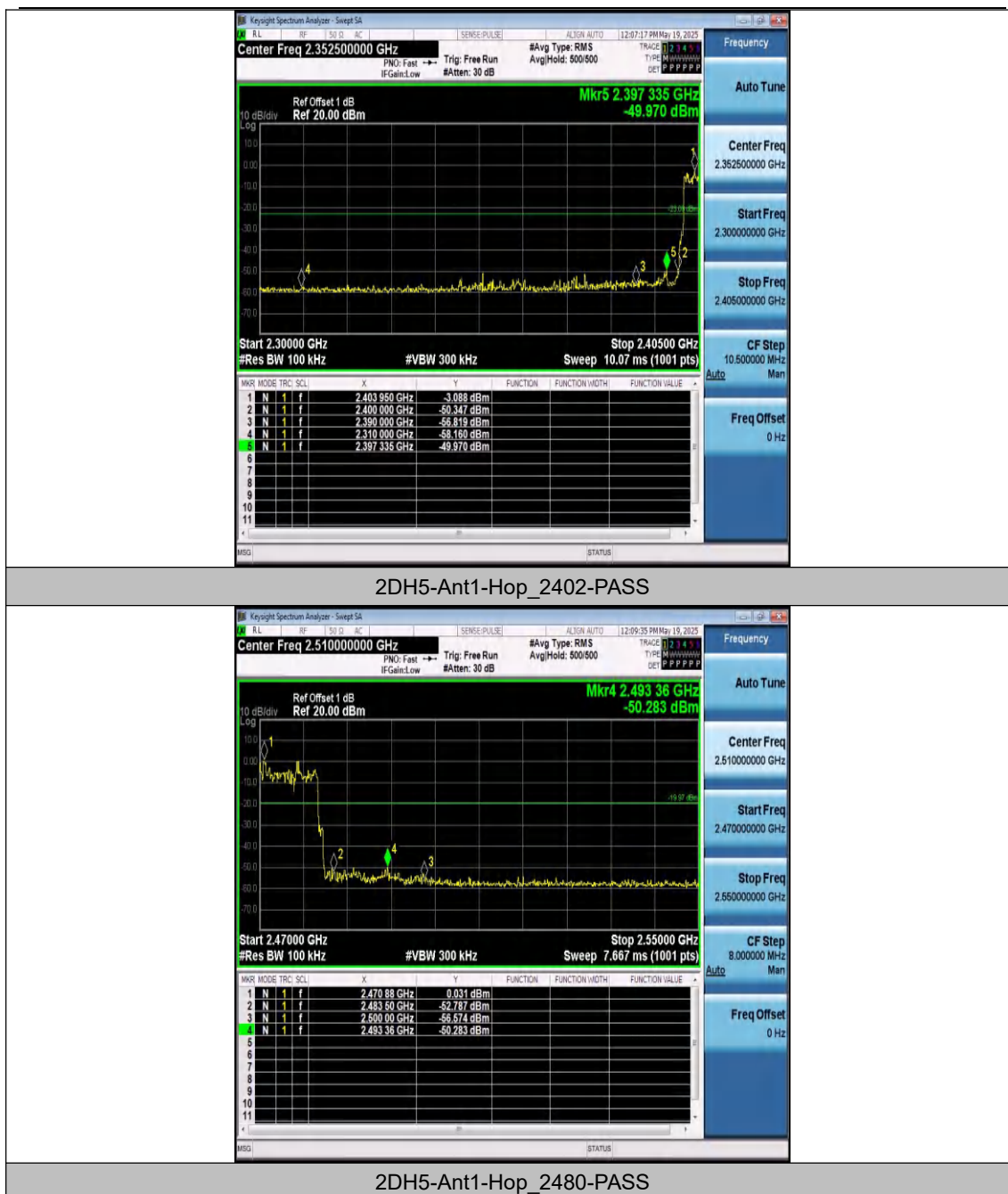


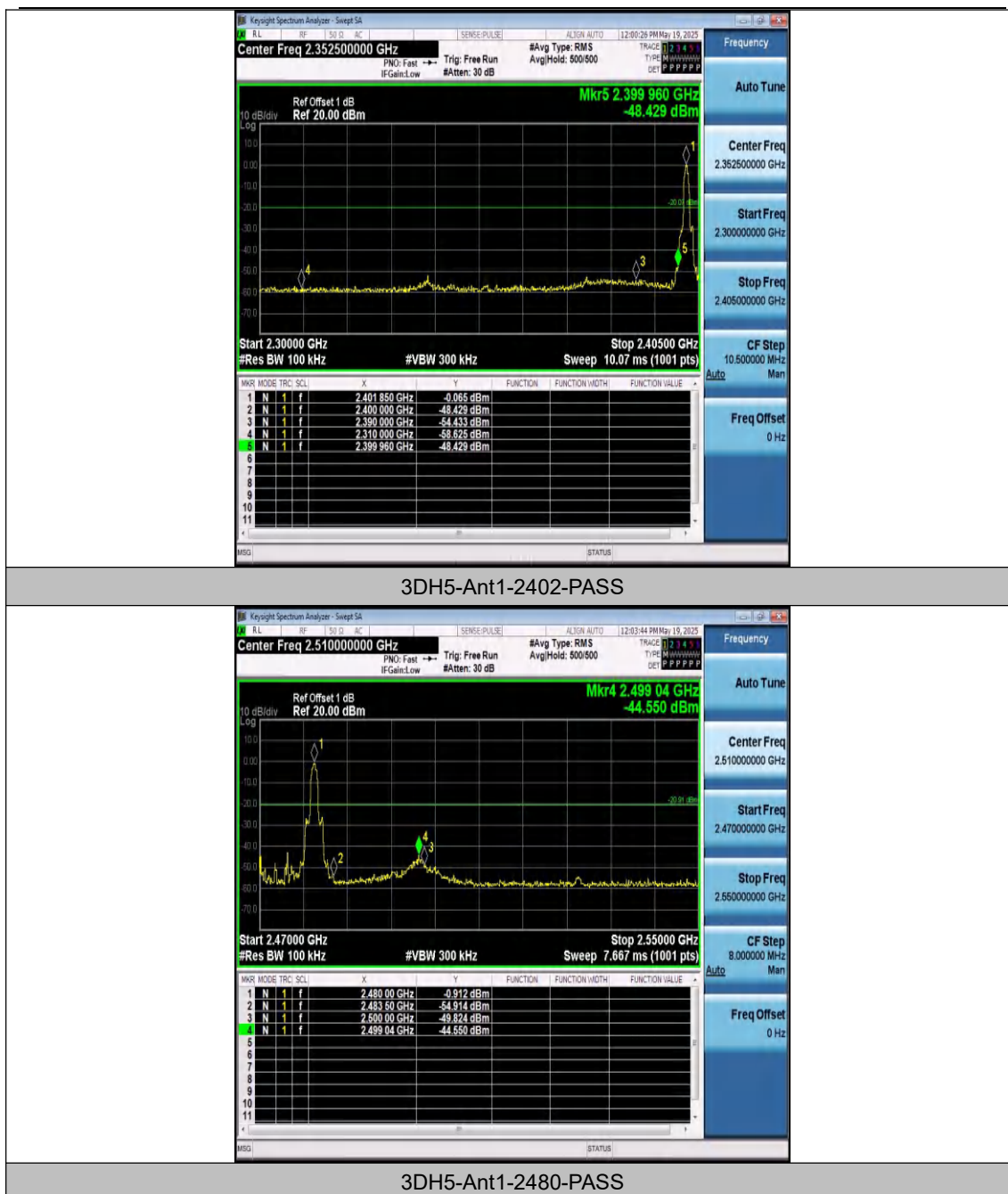
Test Graphs

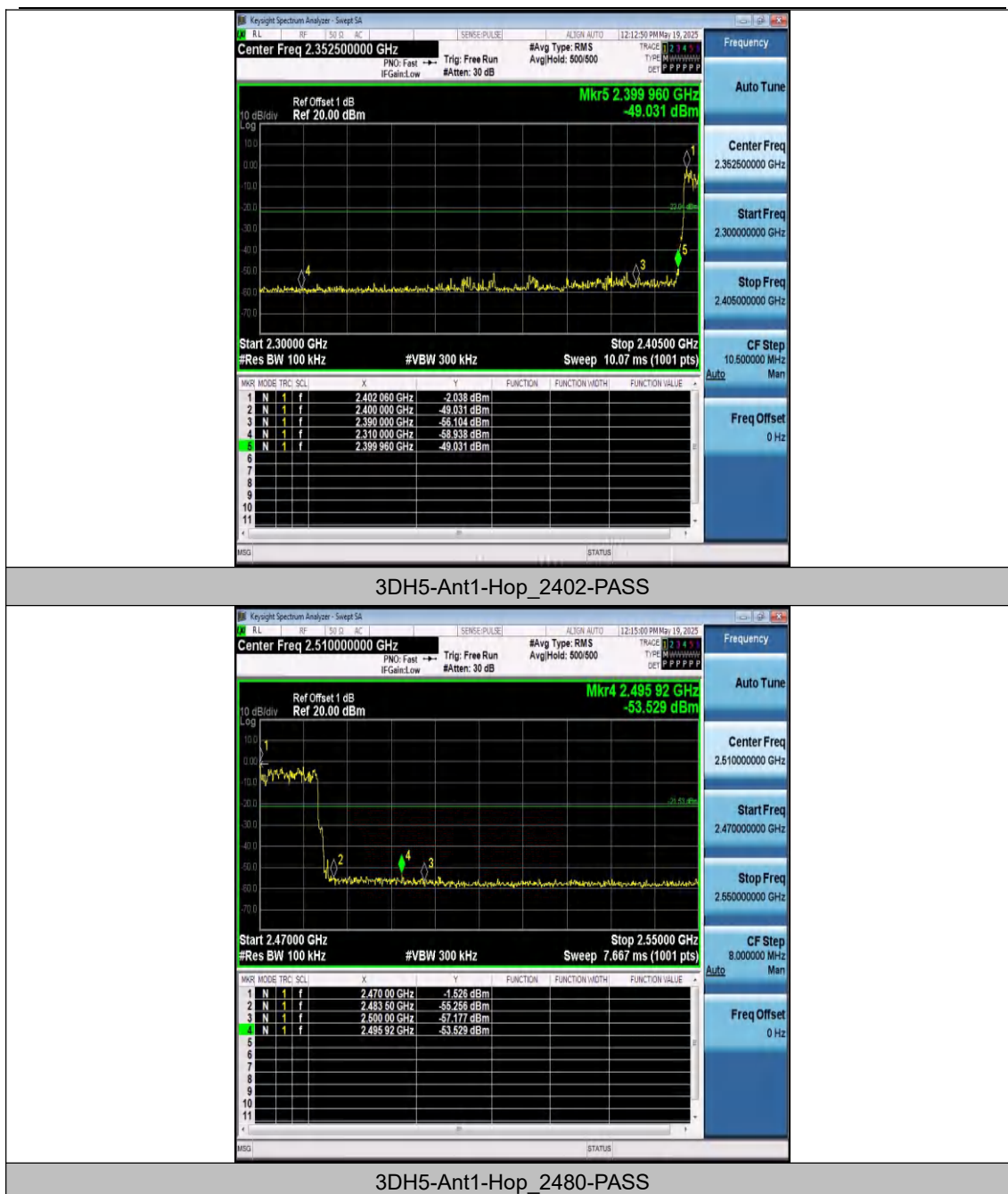












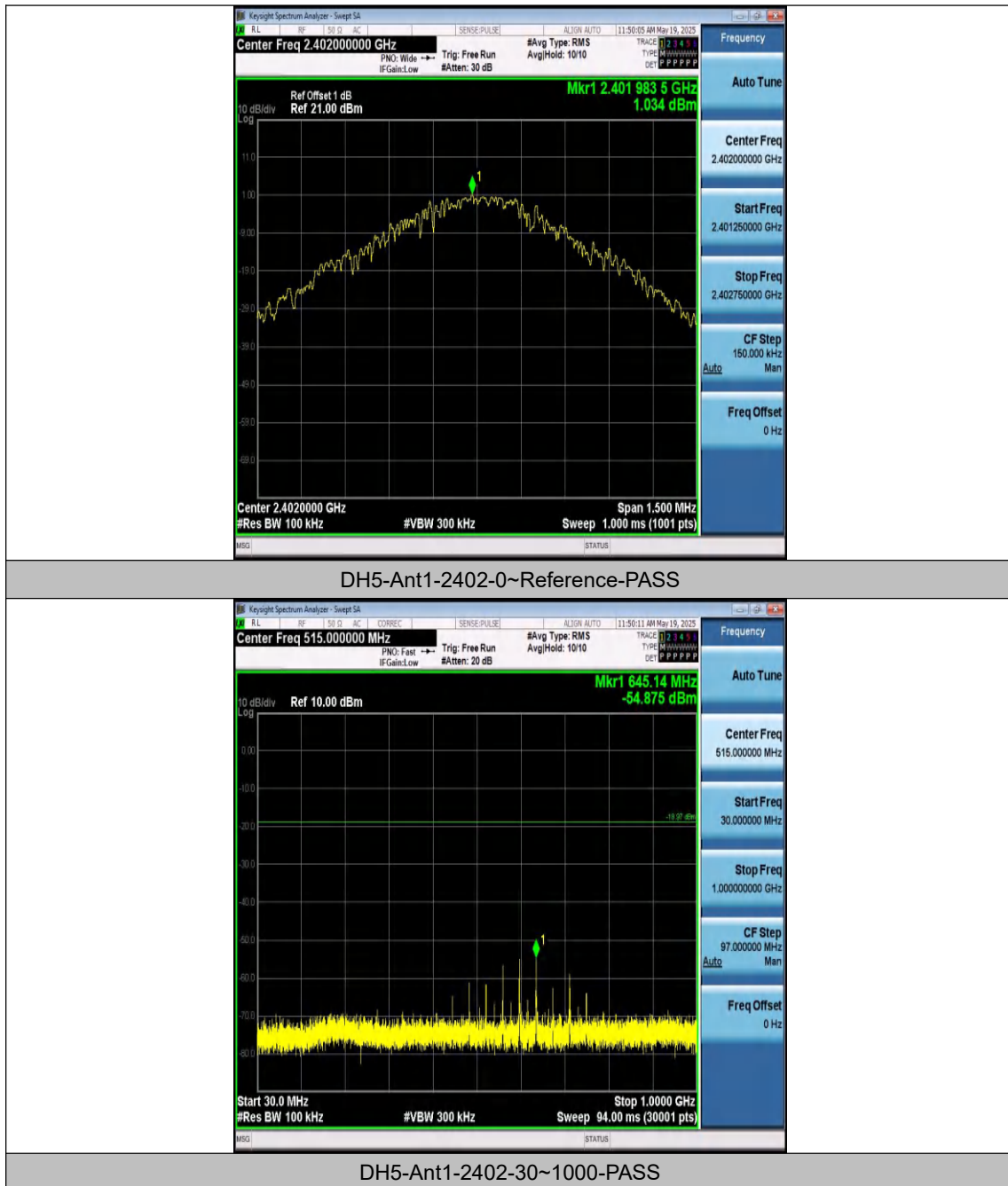
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.03	1.03	---	PASS
DH5	Ant1	2402	30~1000	1.03	-54.88	≤-18.97	PASS
DH5	Ant1	2402	1000~26500	1.03	-44.64	≤-18.97	PASS
DH5	Ant1	2441	0~Reference	-0.61	-0.61	---	PASS
DH5	Ant1	2441	30~1000	-0.61	-55.93	≤-20.61	PASS
DH5	Ant1	2441	1000~26500	-0.61	-44.9	≤-20.61	PASS
DH5	Ant1	2480	0~Reference	-0.29	-0.29	---	PASS
DH5	Ant1	2480	30~1000	-0.29	-55.9	≤-20.29	PASS
DH5	Ant1	2480	1000~26500	-0.29	-43.18	≤-20.29	PASS
2DH5	Ant1	2402	0~Reference	-2.66	-2.66	---	PASS
2DH5	Ant1	2402	30~1000	-2.66	-54.95	≤-22.66	PASS
2DH5	Ant1	2402	1000~26500	-2.66	-36.6	≤-22.66	PASS
2DH5	Ant1	2441	0~Reference	-2.41	-2.41	---	PASS
2DH5	Ant1	2441	30~1000	-2.41	-55.36	≤-22.41	PASS
2DH5	Ant1	2441	1000~26500	-2.41	-49.93	≤-22.41	PASS
2DH5	Ant1	2480	0~Reference	-3.20	-3.20	---	PASS
2DH5	Ant1	2480	30~1000	-3.20	-55.3	≤-23.2	PASS
2DH5	Ant1	2480	1000~26500	-3.20	-37.92	≤-23.2	PASS
3DH5	Ant1	2402	0~Reference	-3.43	-3.43	---	PASS
3DH5	Ant1	2402	30~1000	-3.43	-55.33	≤-23.43	PASS
3DH5	Ant1	2402	1000~26500	-3.43	-48.42	≤-23.43	PASS
3DH5	Ant1	2441	0~Reference	-3.30	-3.30	---	PASS
3DH5	Ant1	2441	30~1000	-3.30	-54.37	≤-23.3	PASS
3DH5	Ant1	2441	1000~26500	-3.30	-44.42	≤-23.3	PASS
3DH5	Ant1	2480	0~Reference	-2.91	-2.91	---	PASS
3DH5	Ant1	2480	30~1000	-2.91	-54.99	≤-22.91	PASS
3DH5	Ant1	2480	1000~26500	-2.91	-53.37	≤-22.91	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.

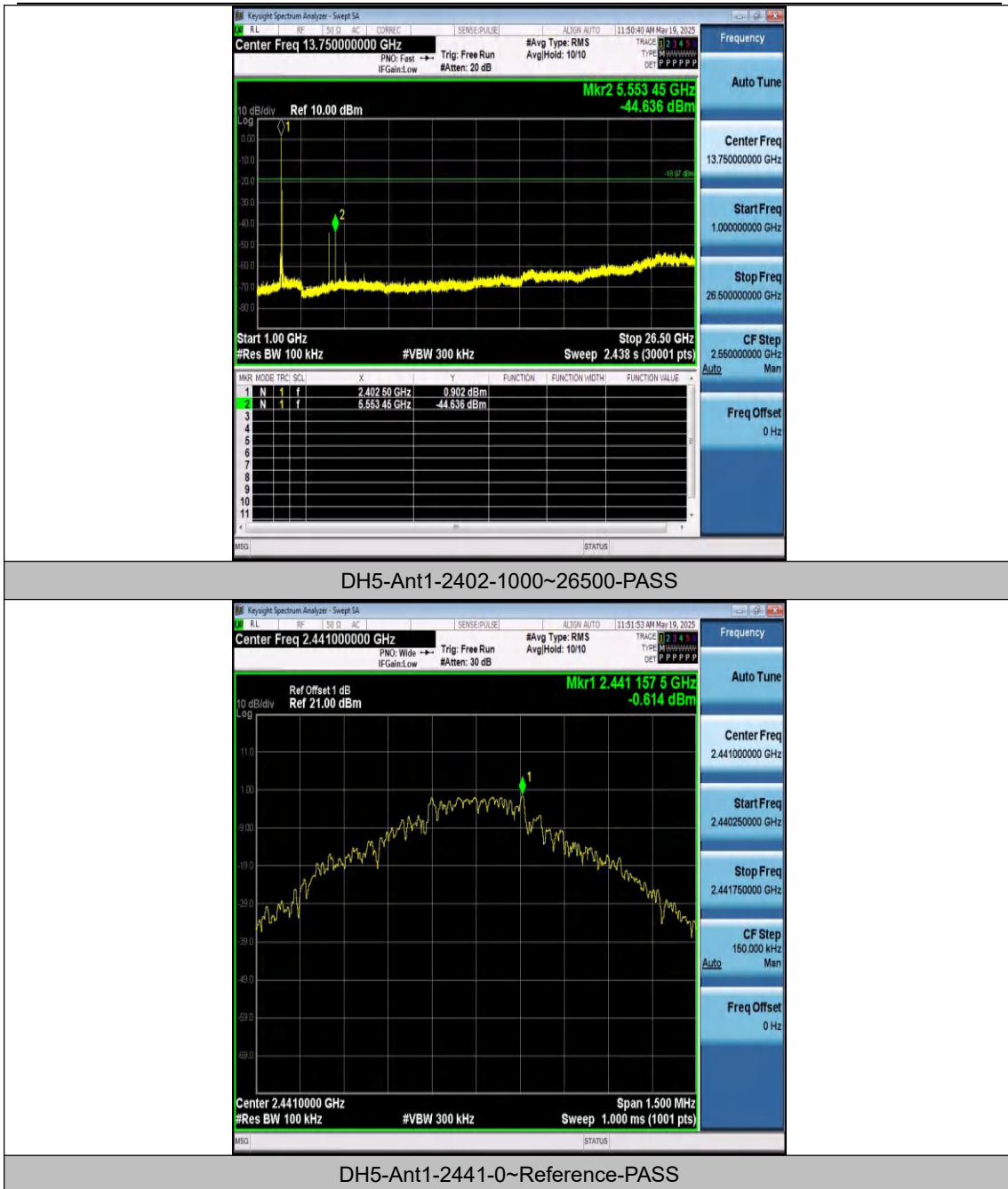
Test Graphs

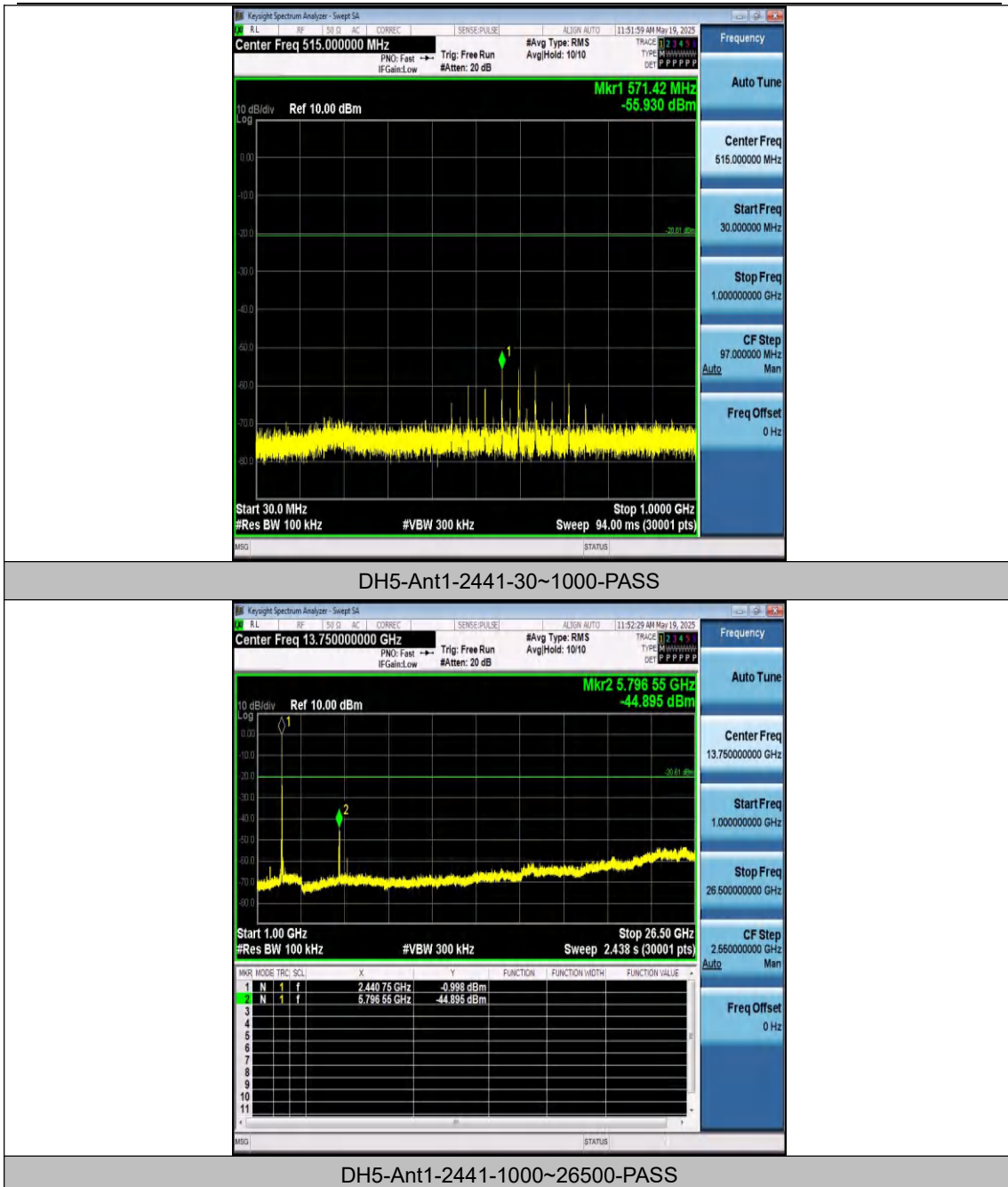


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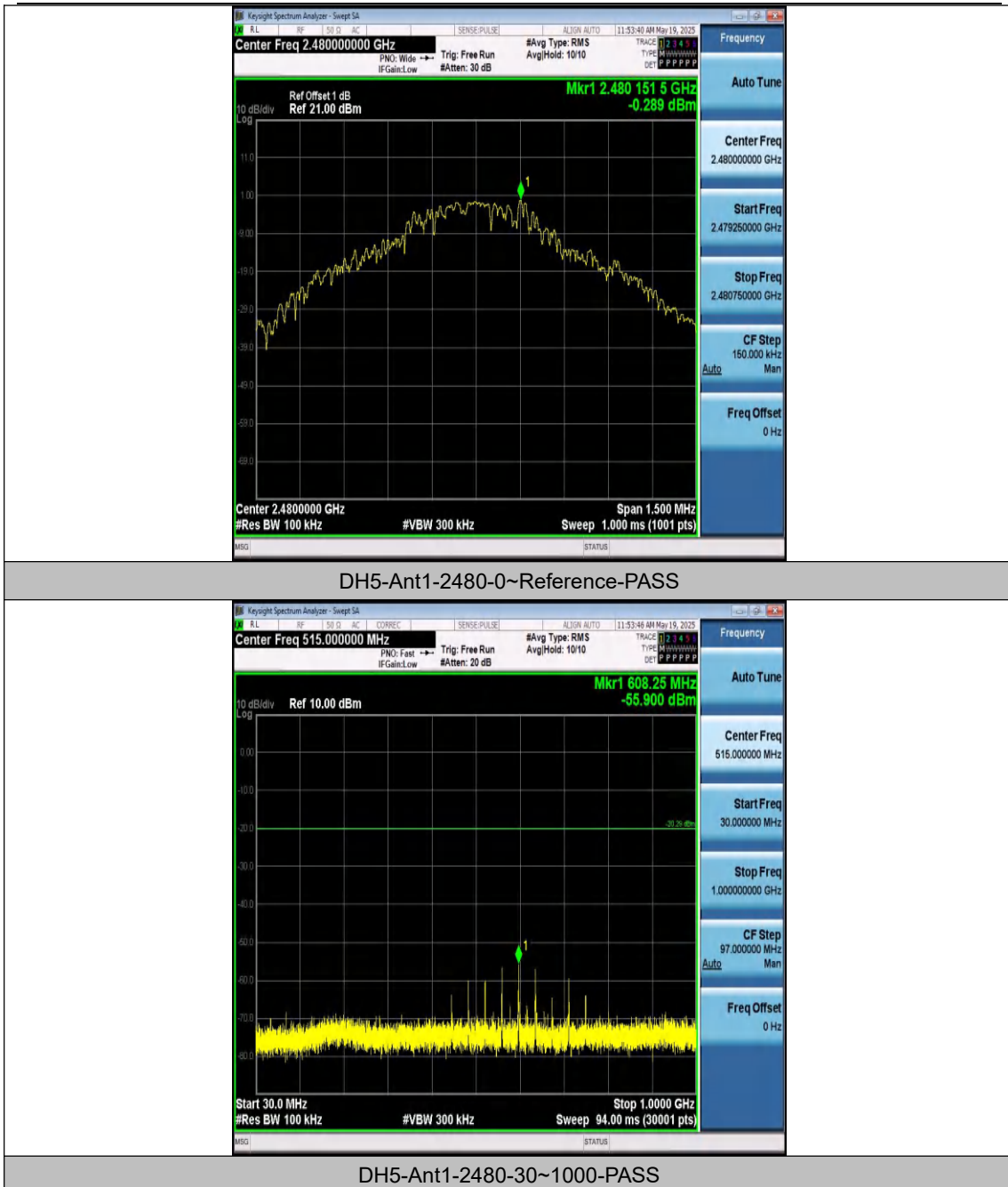


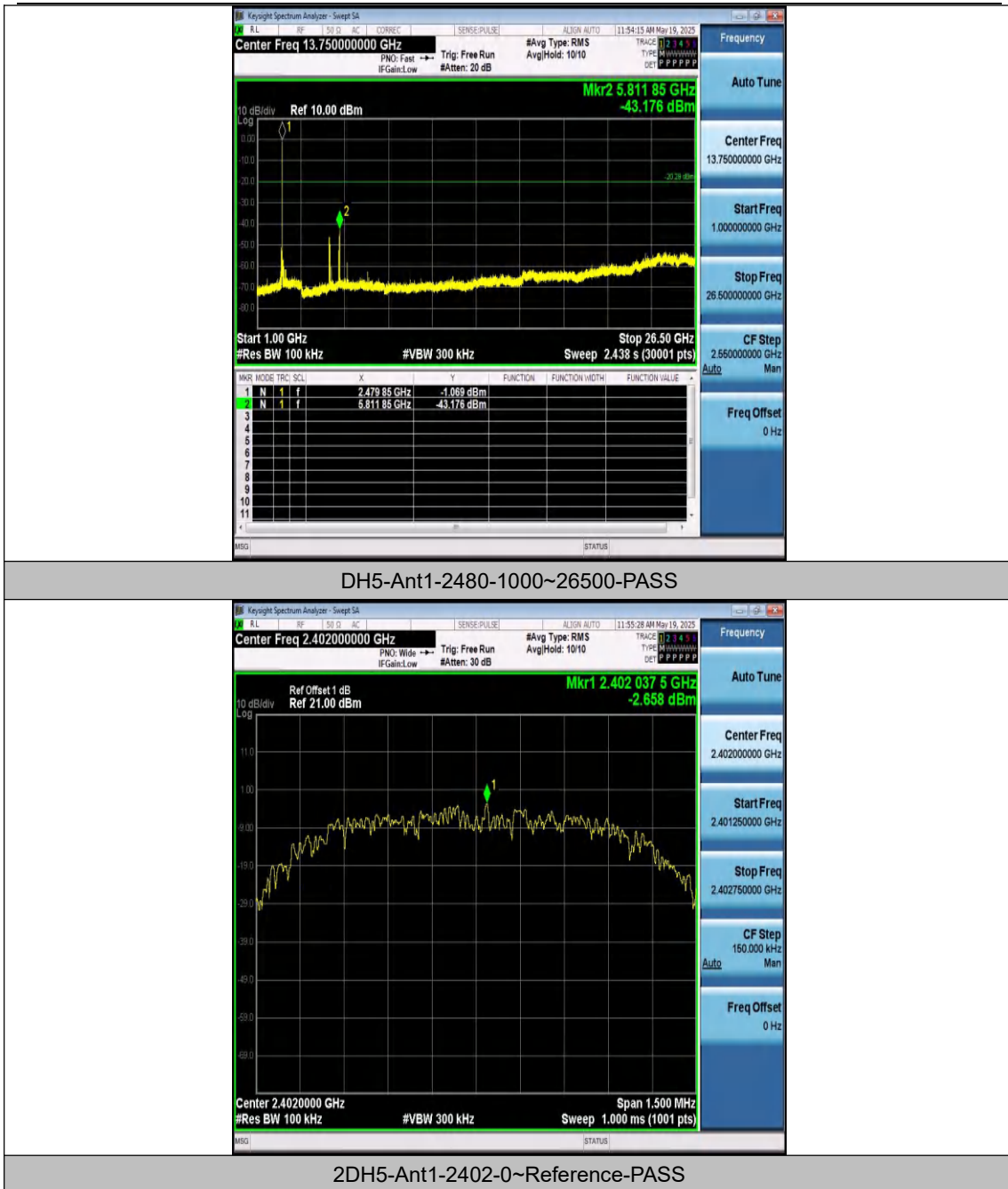


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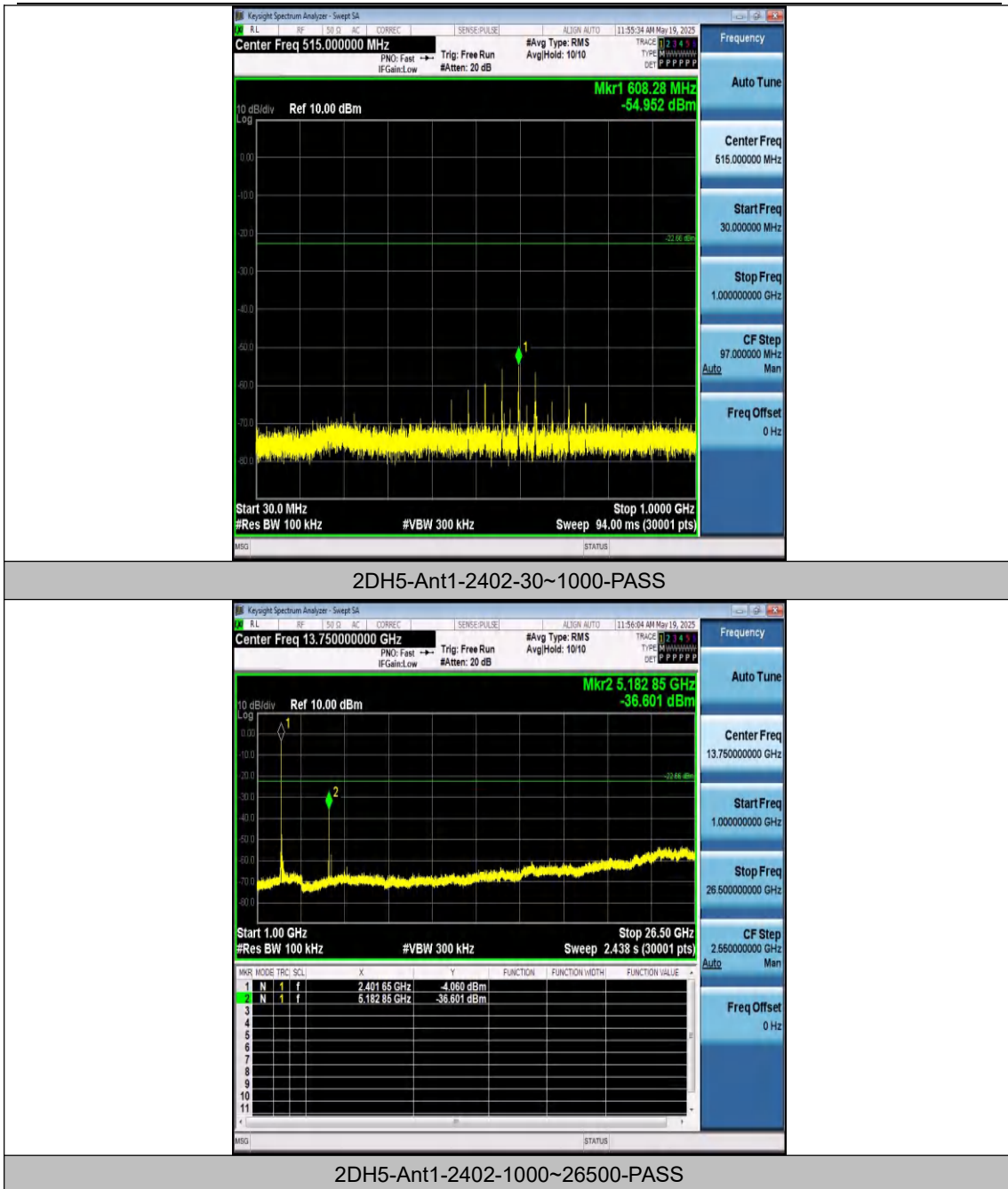


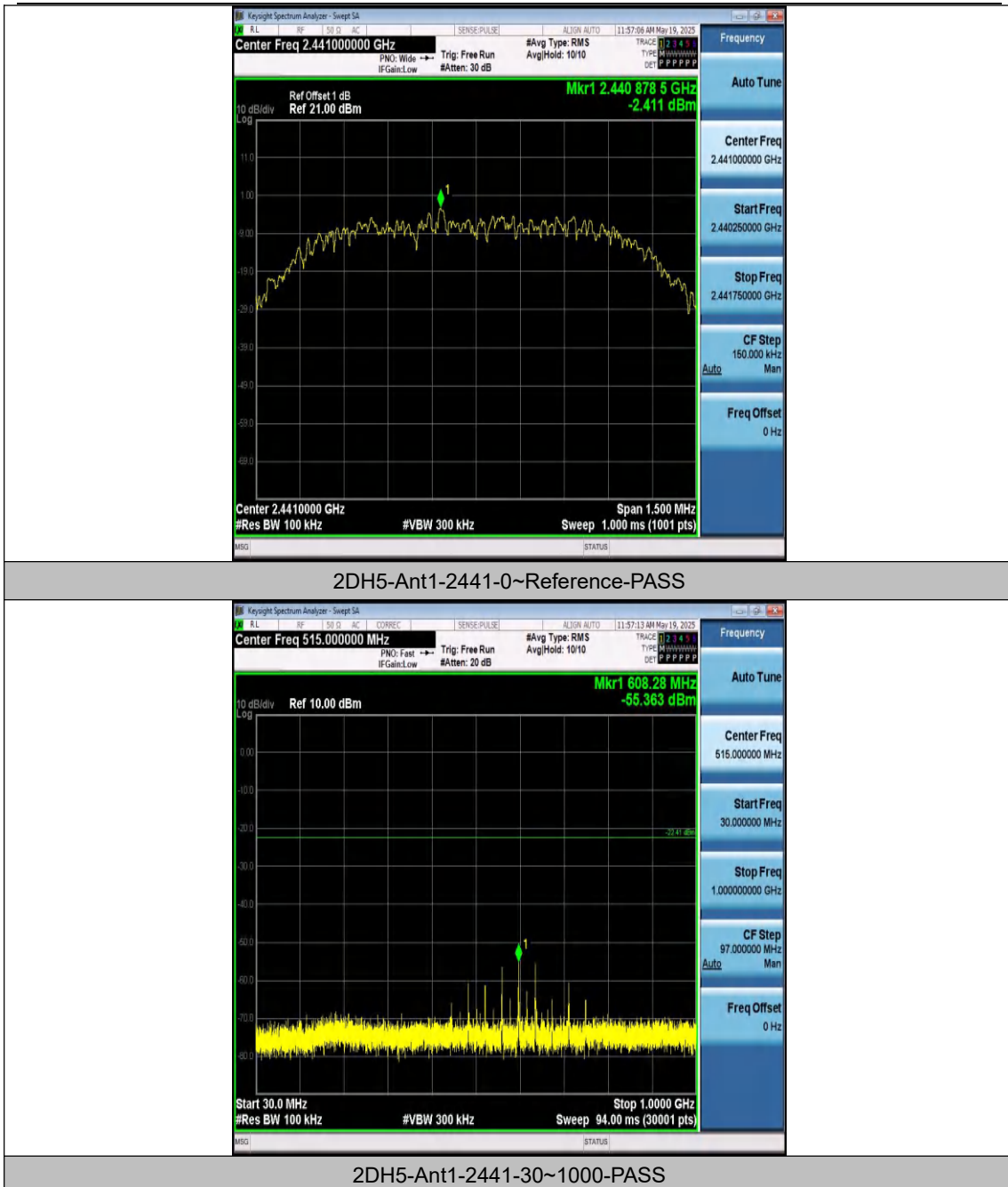


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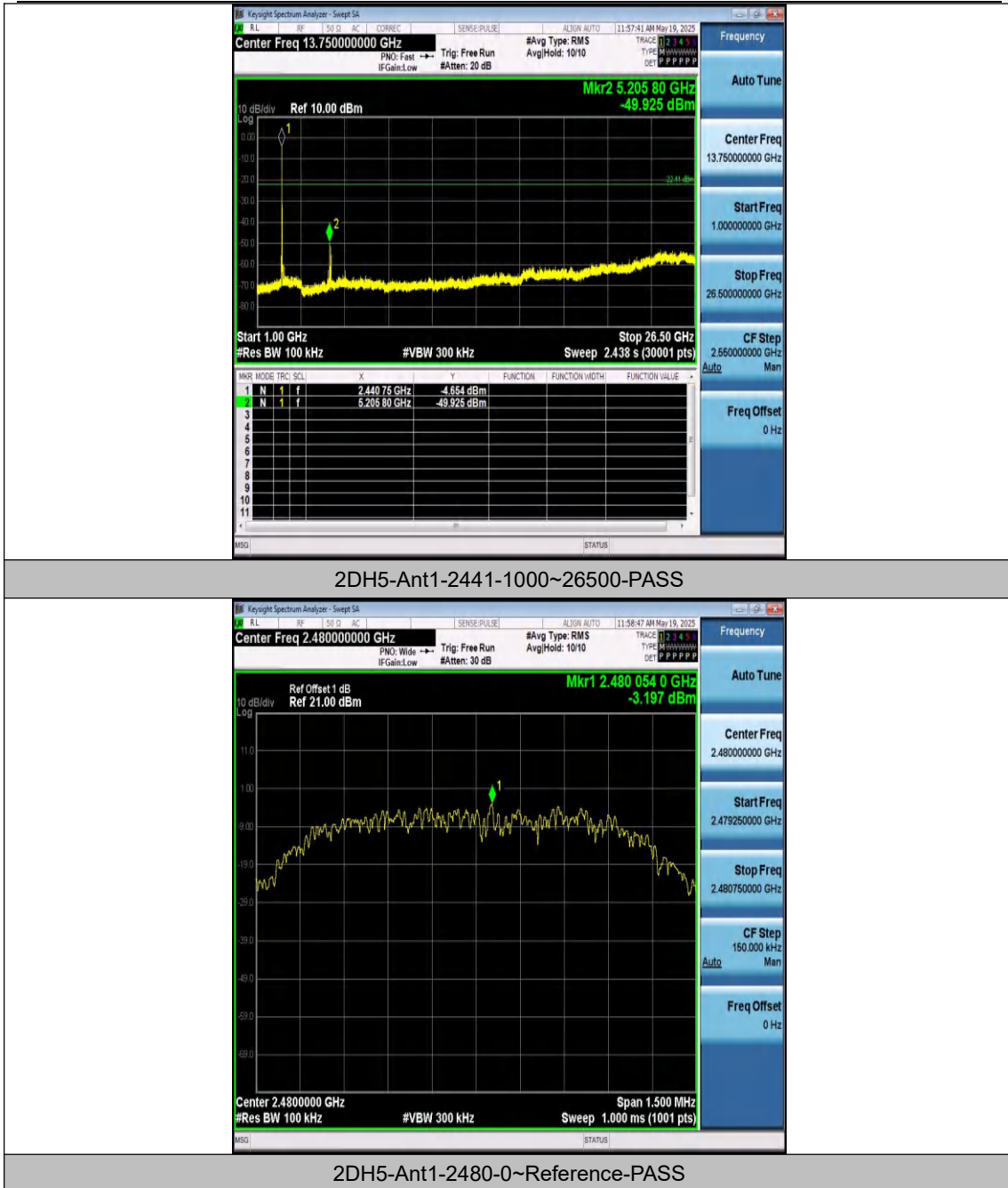


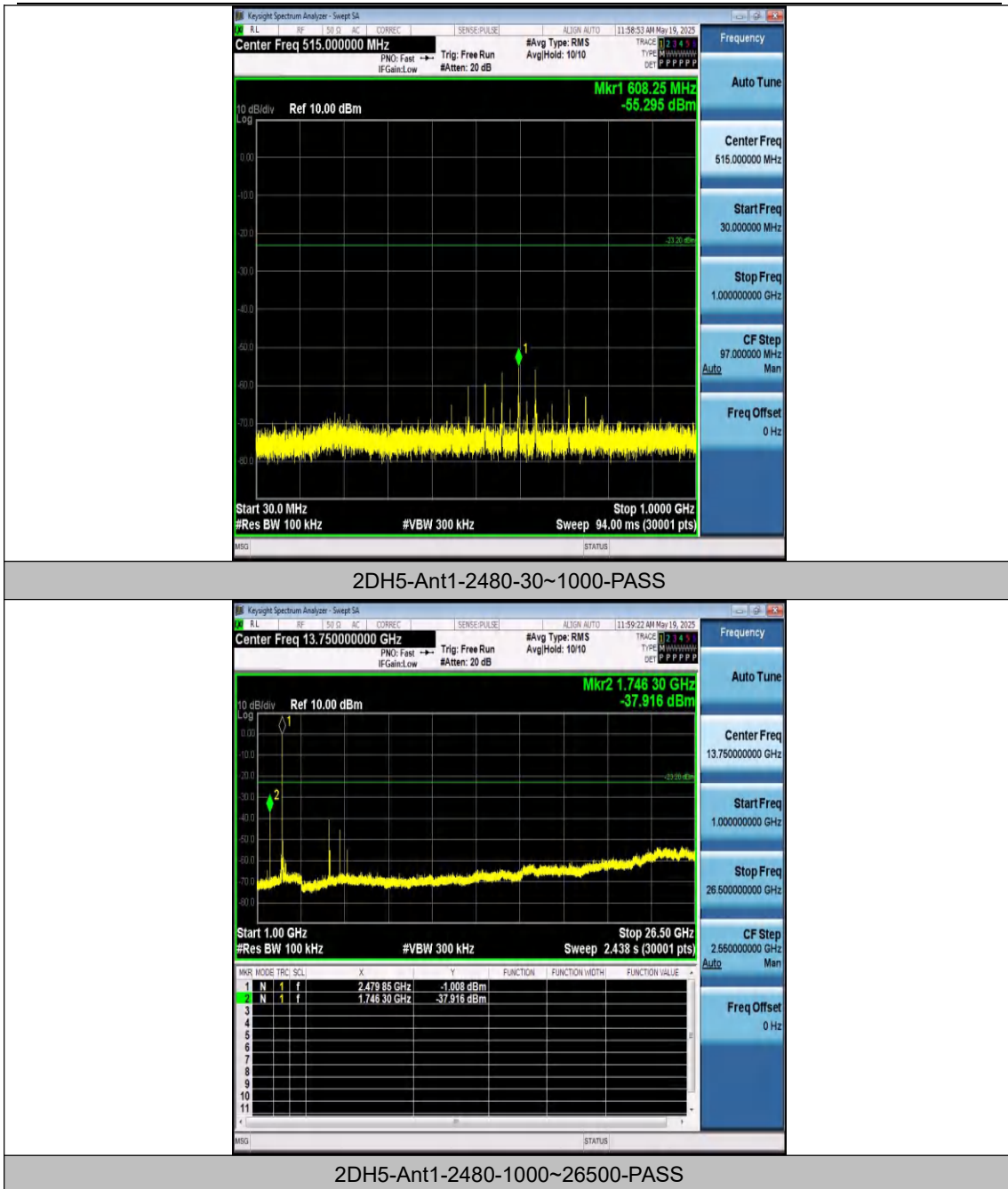


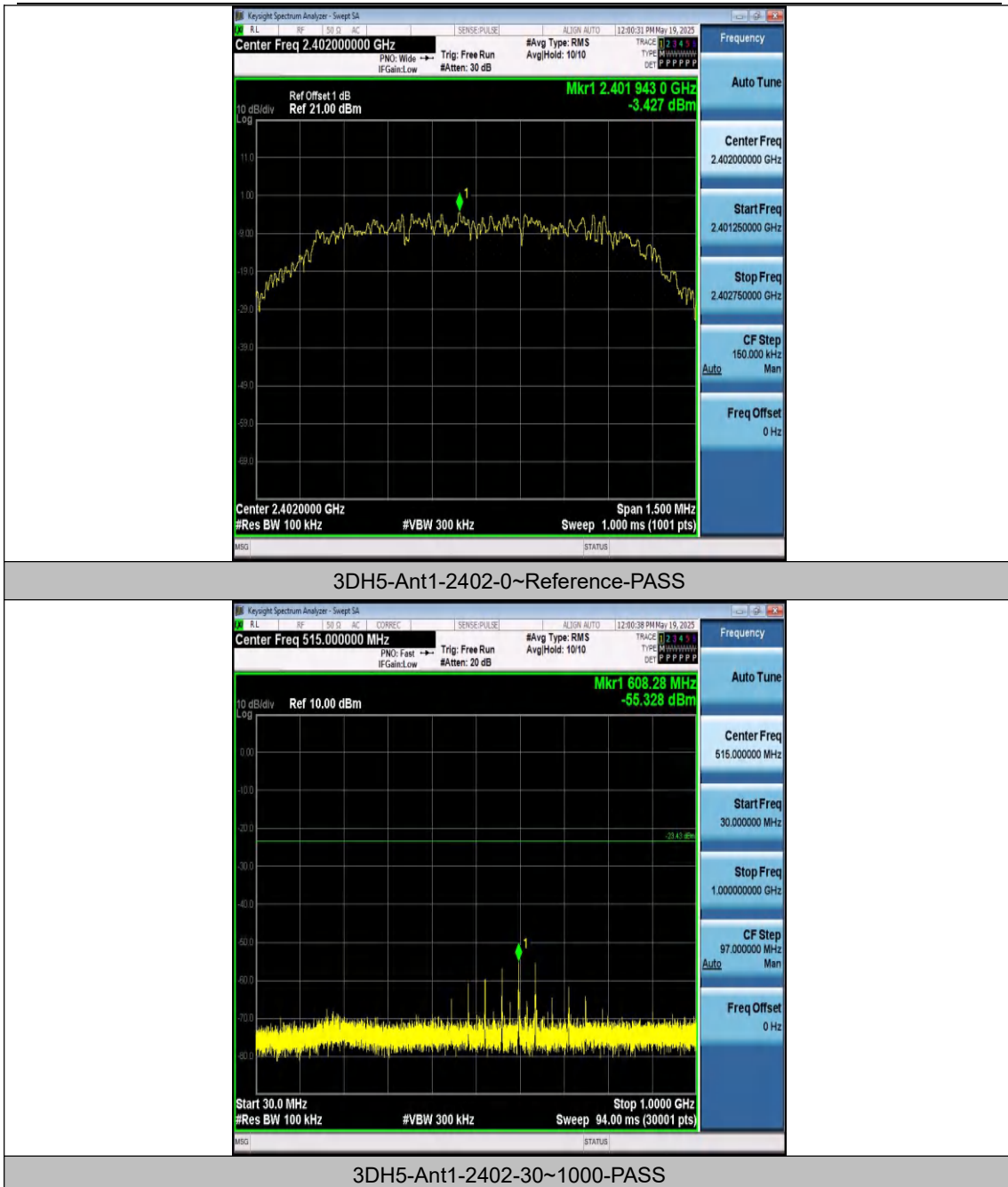
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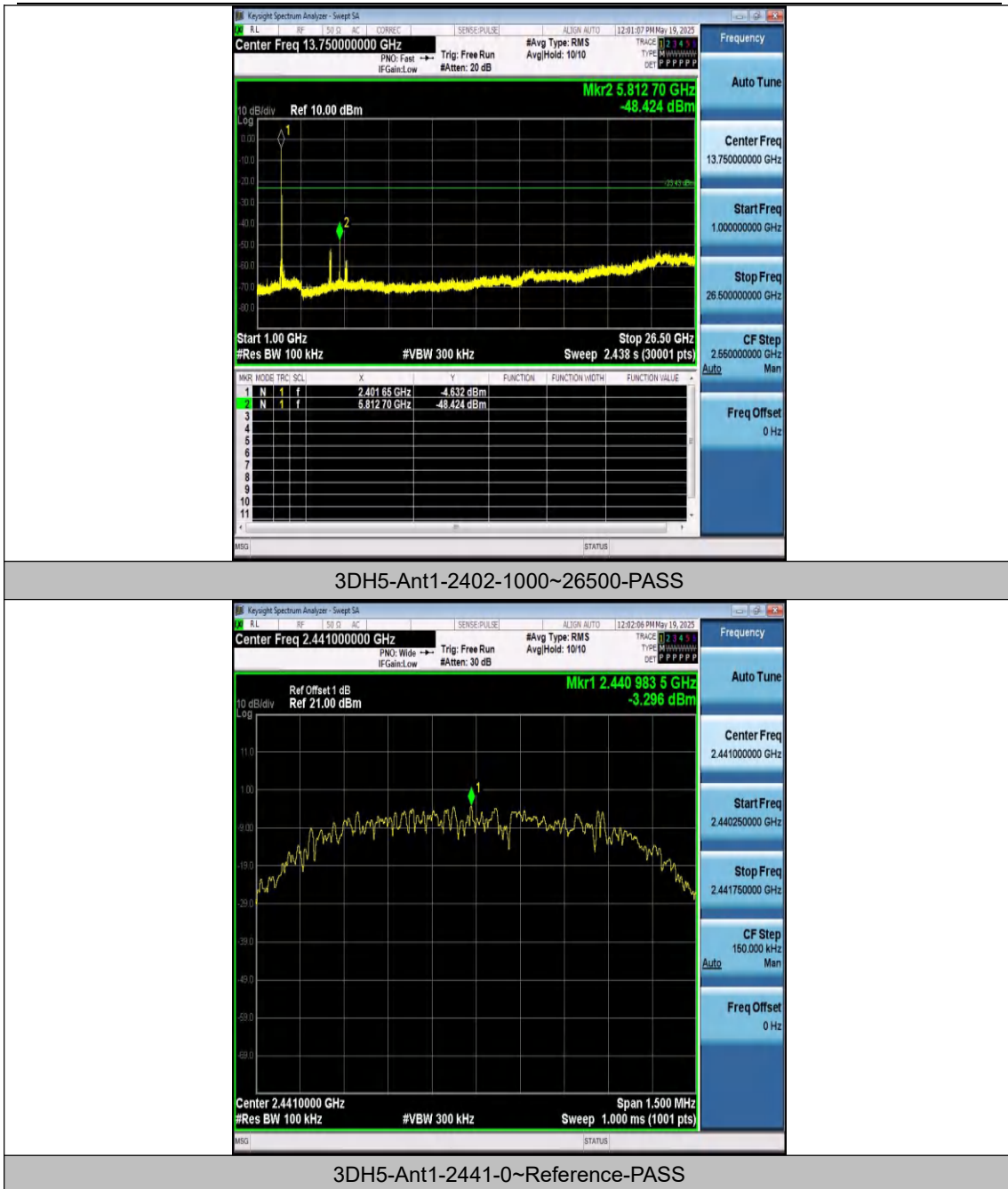


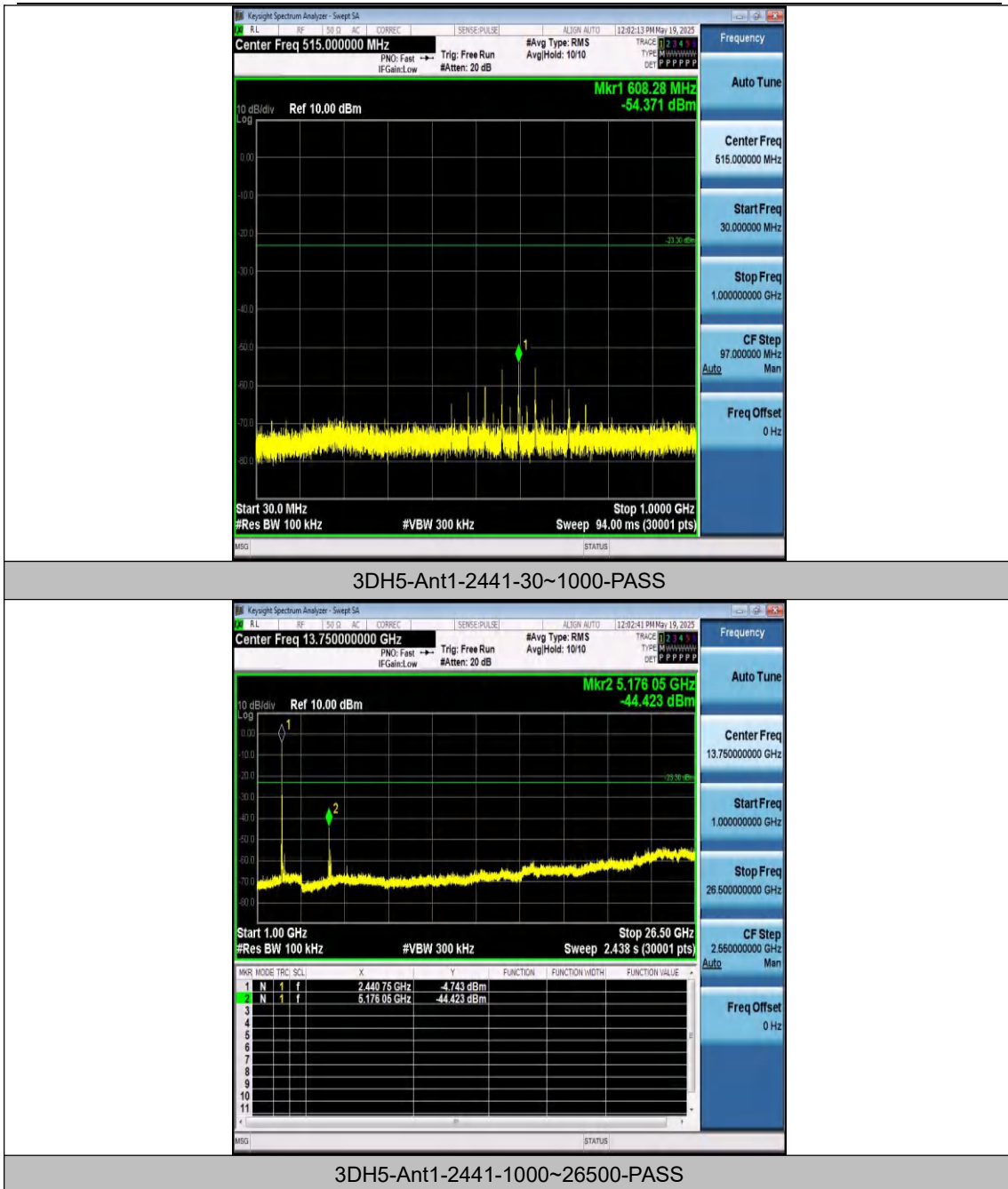


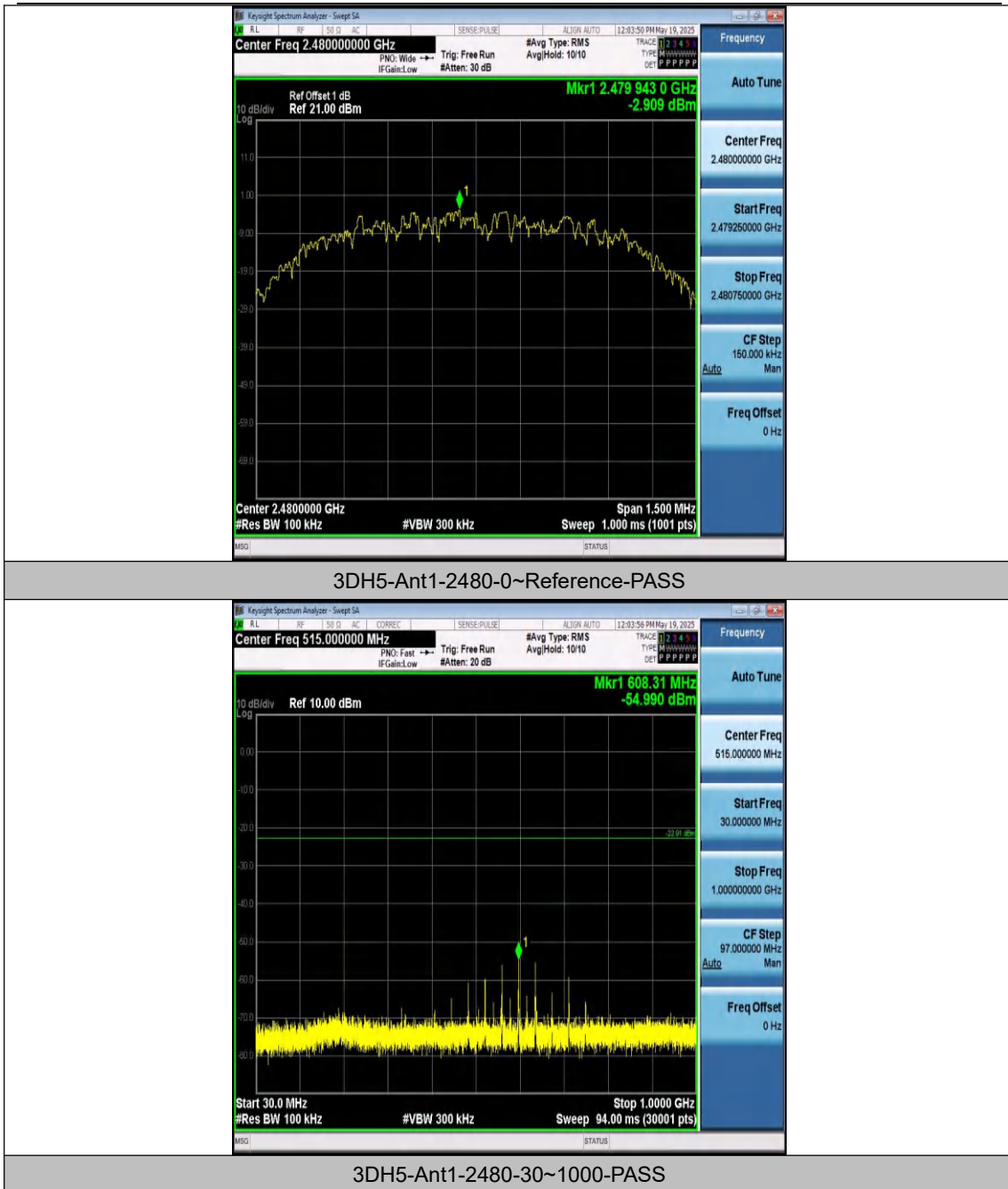
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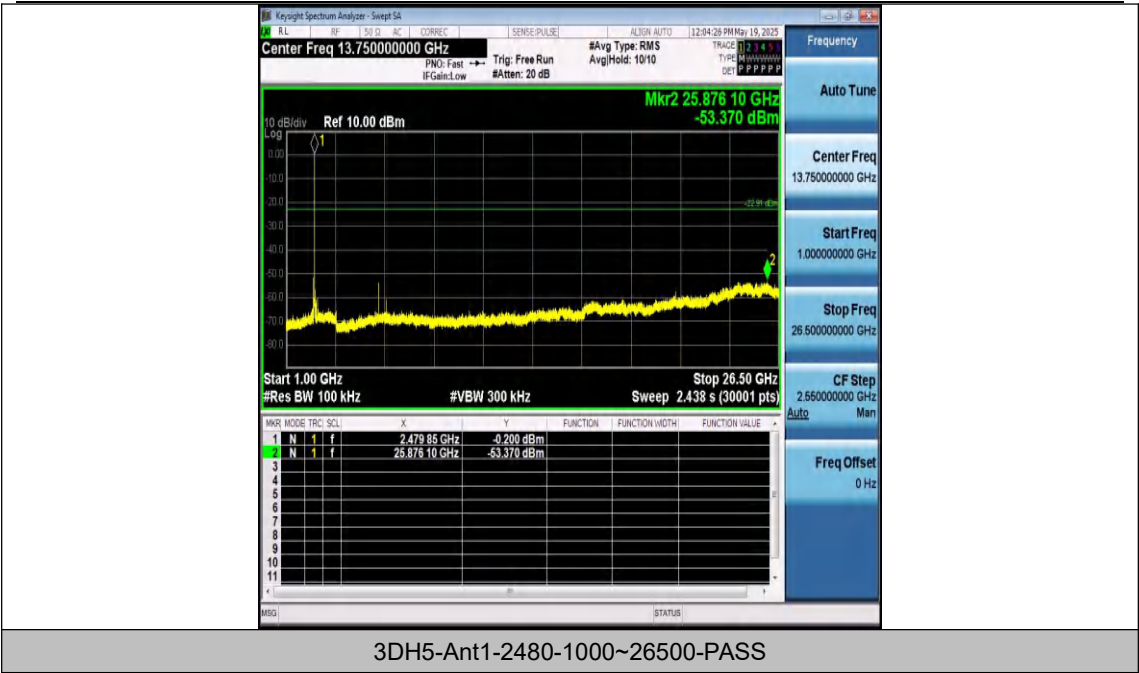




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Appendix I: Duty Cycle

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
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

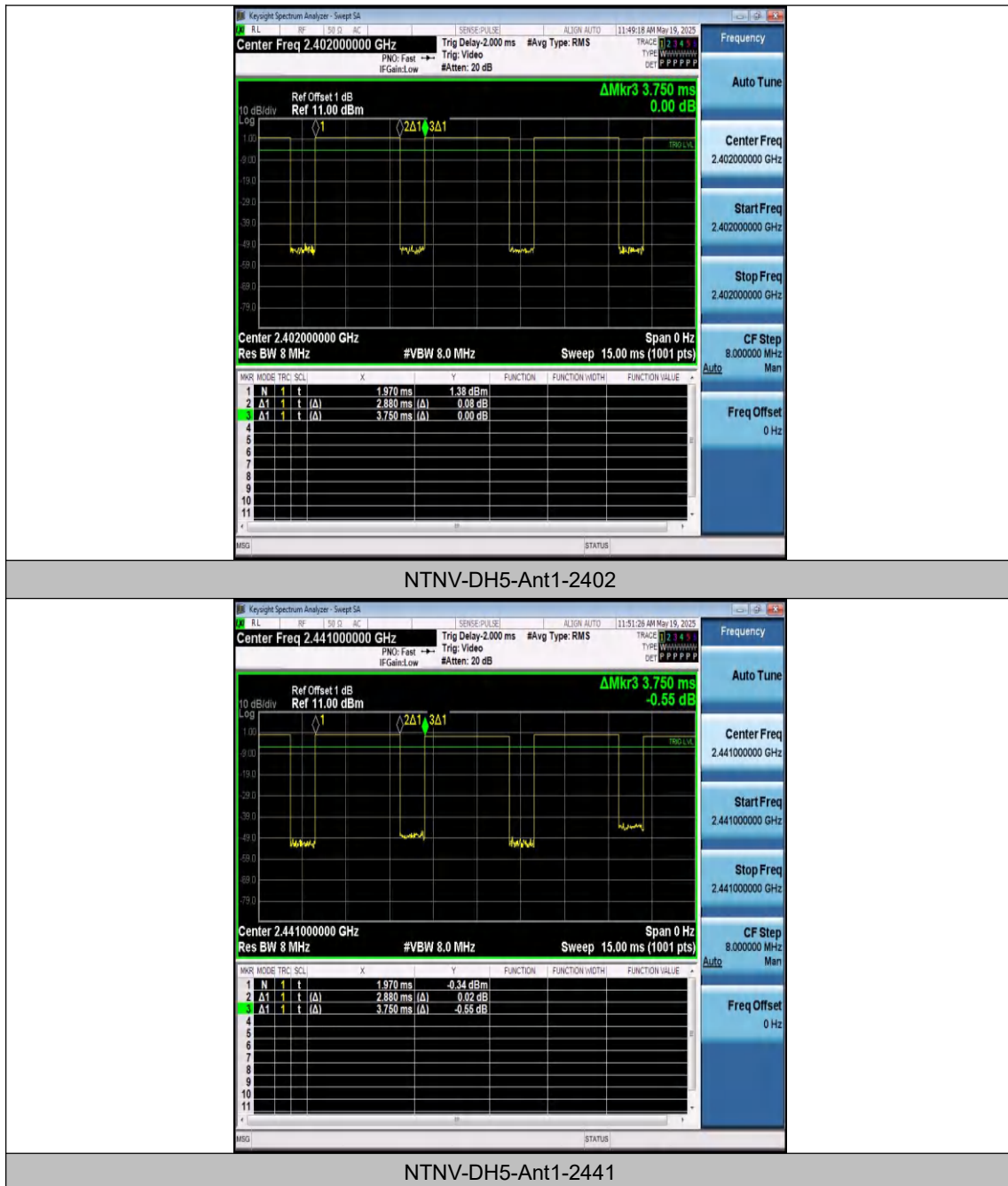
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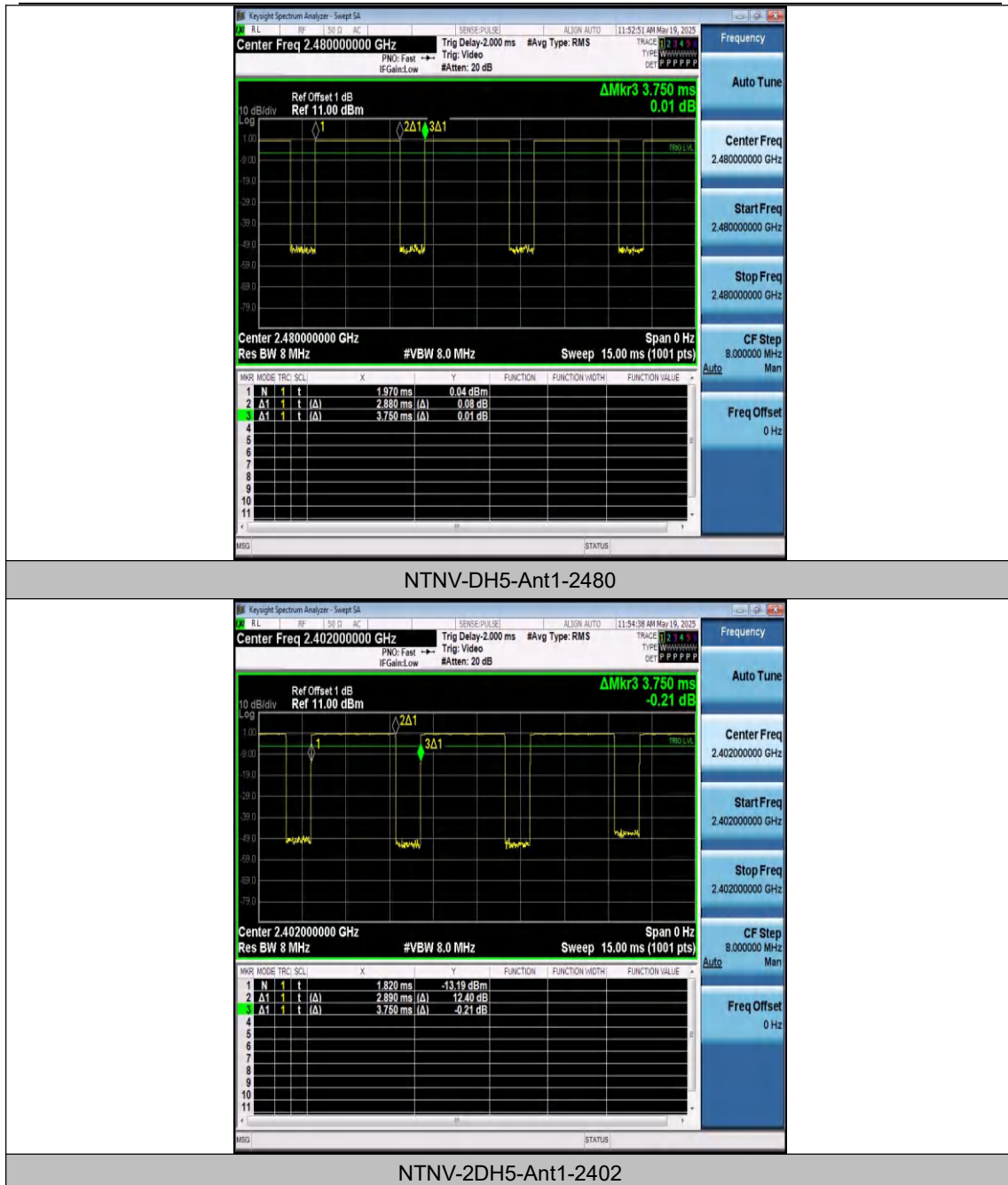
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotek.com



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Test Graphs

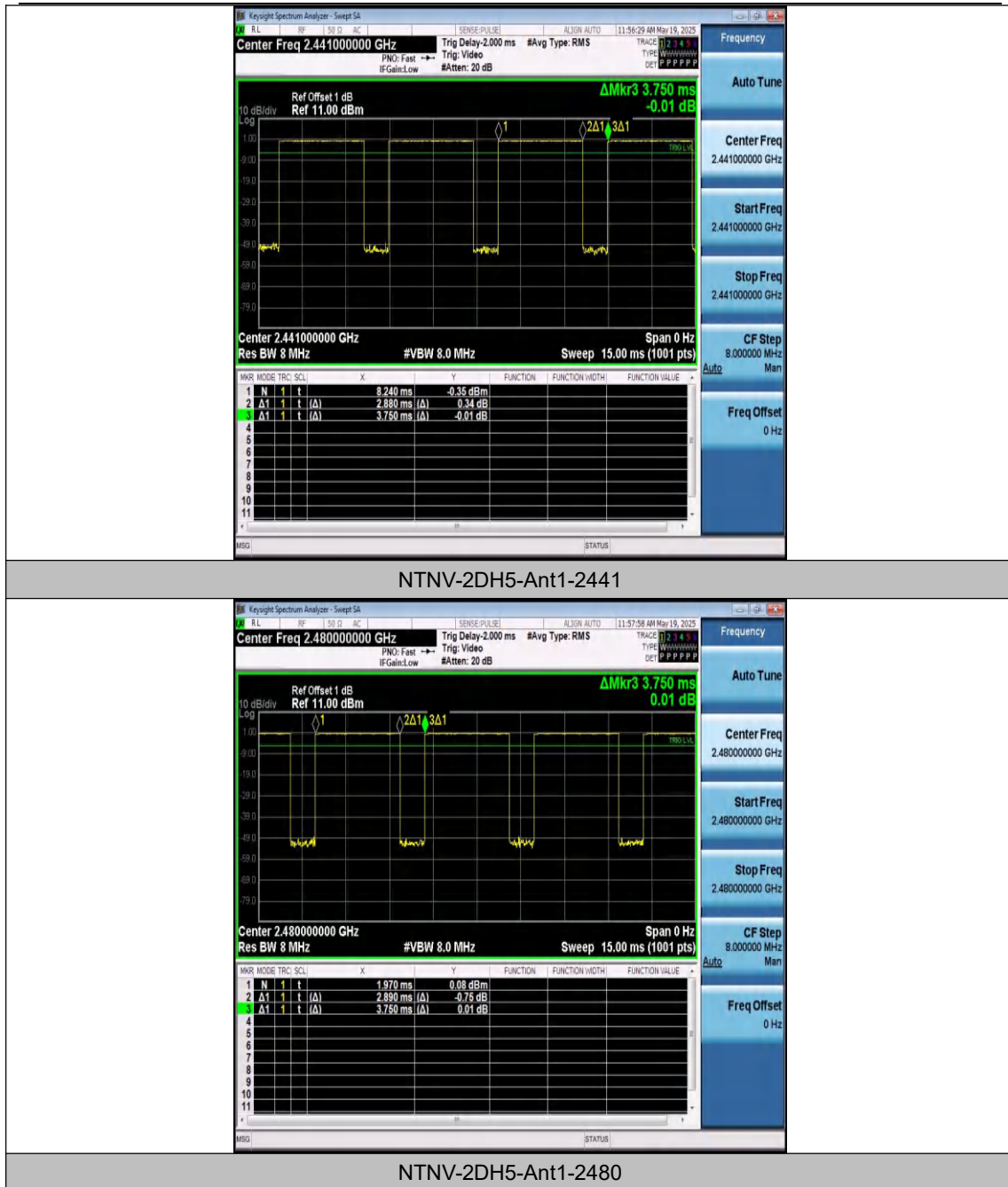




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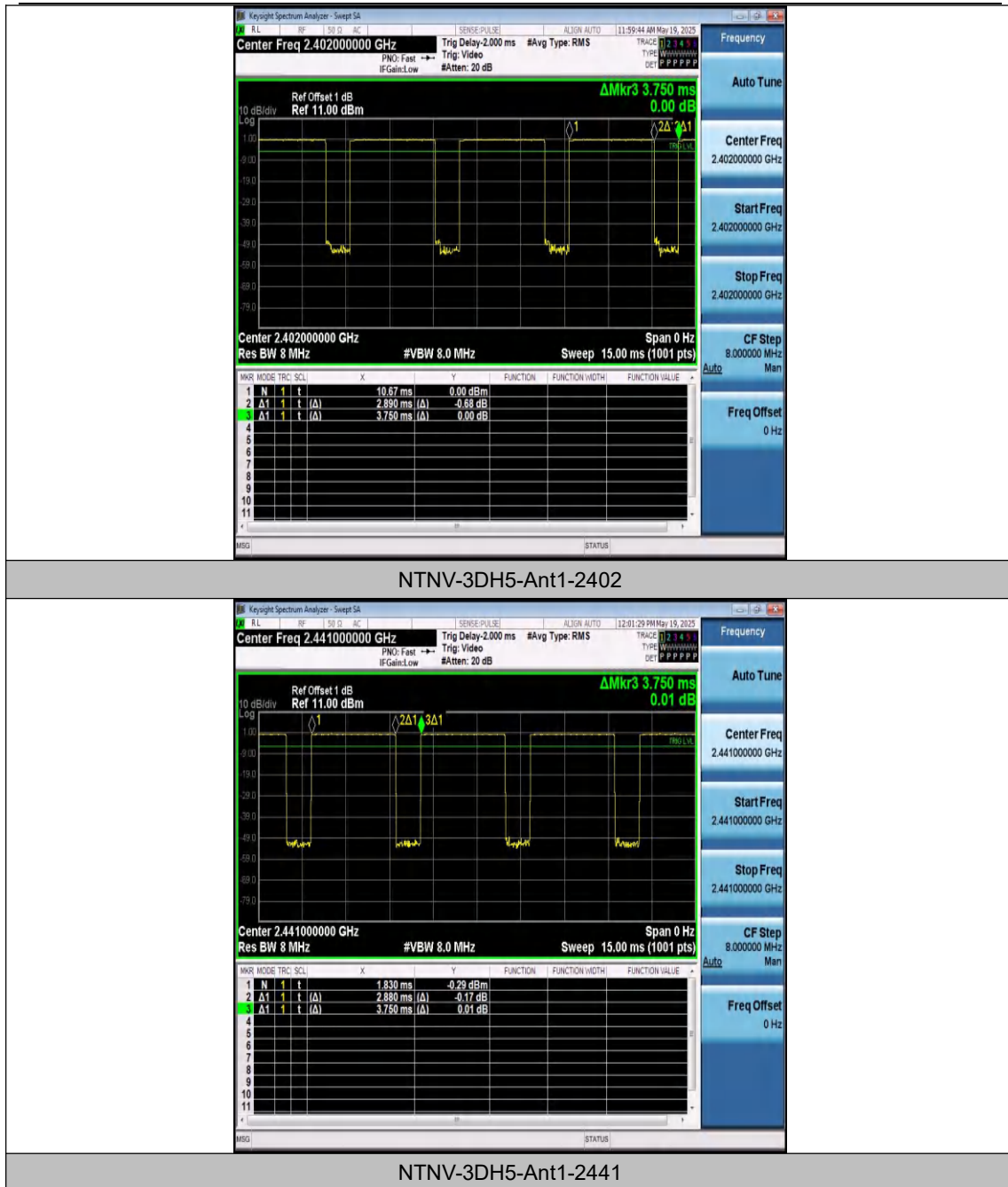
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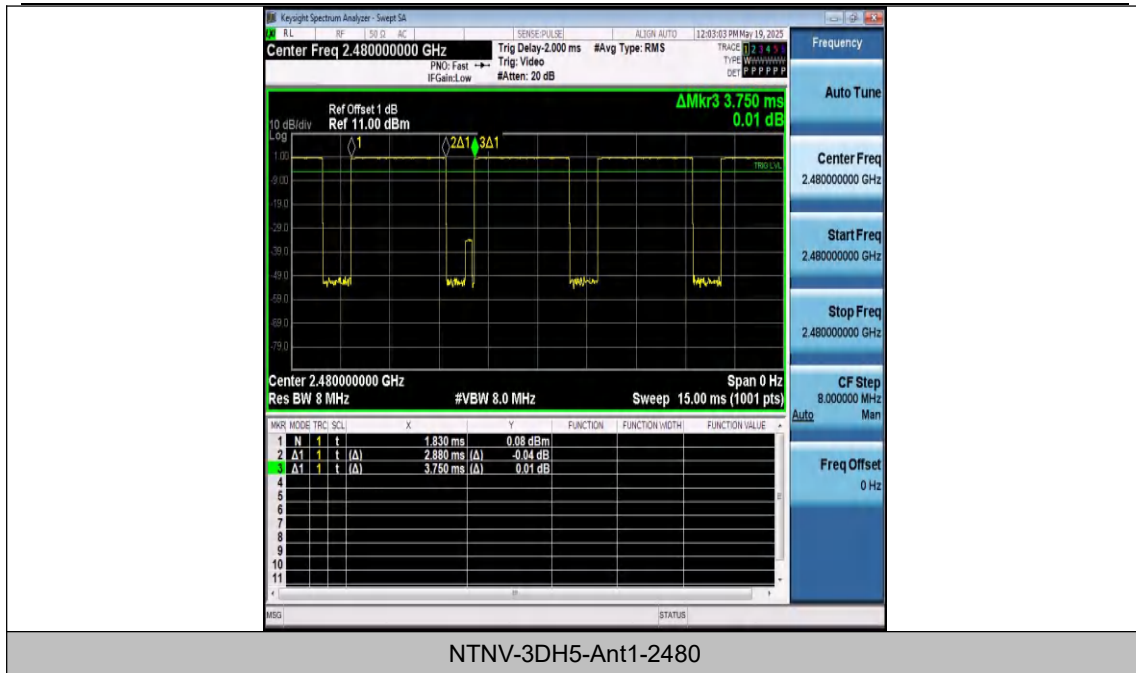


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