

Appendix Test Data

Report No.:	1812C60083812501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-29	Finish Test Date:	2026-2-2
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.4°C	Relative Humidity:	45%
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	0.918	2401.592	2402.510	---	---
DH5	Ant1	2441	0.957	2440.574	2441.531	---	---
DH5	Ant1	2480	0.954	2479.577	2480.531	---	---
2DH5	Ant1	2402	1.356	2401.364	2402.720	---	---
2DH5	Ant1	2441	1.329	2440.373	2441.702	---	---
2DH5	Ant1	2480	1.278	2479.412	2480.690	---	---
3DH5	Ant1	2402	1.287	2401.406	2402.693	---	---
3DH5	Ant1	2441	1.302	2440.403	2441.705	---	---
3DH5	Ant1	2480	1.287	2479.400	2480.687	---	---

Test Graphs



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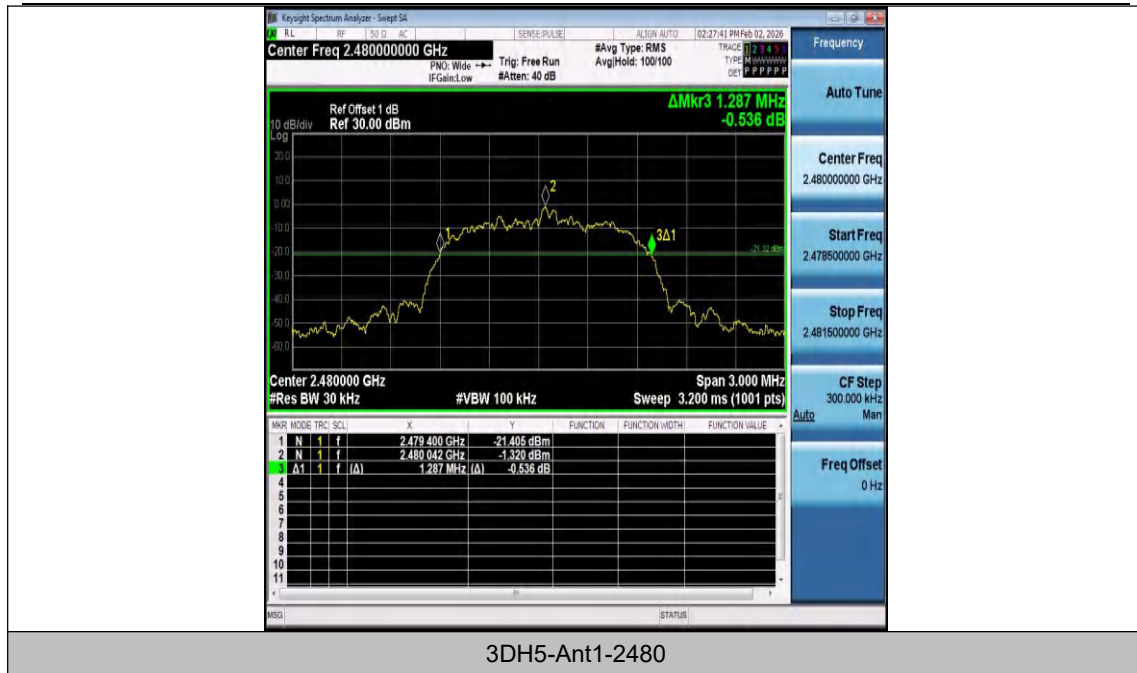
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.83683	2401.6248	2402.4617	---	---
DH5	Ant1	2441	0.83803	2440.6172	2441.4552	---	---
DH5	Ant1	2480	0.84007	2479.6177	2480.4578	---	---
2DH5	Ant1	2402	1.1944	2401.4454	2402.6398	---	---
2DH5	Ant1	2441	1.1930	2440.4430	2441.6360	---	---
2DH5	Ant1	2480	1.1879	2479.4444	2480.6323	---	---
3DH5	Ant1	2402	1.1715	2401.4566	2402.6281	---	---
3DH5	Ant1	2441	1.1801	2440.4456	2441.6257	---	---
3DH5	Ant1	2480	1.1948	2479.4366	2480.6314	---	---

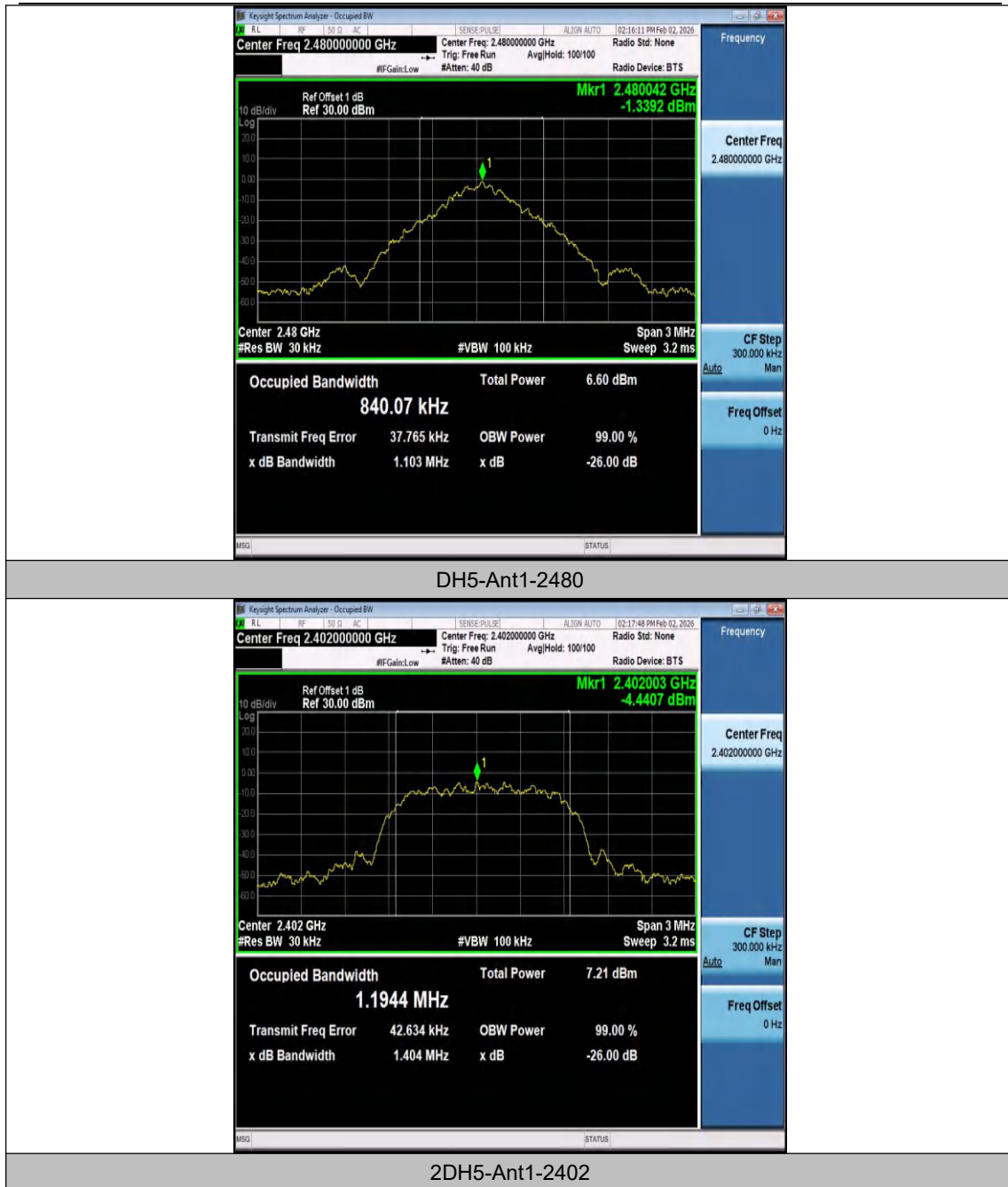
Test Graphs



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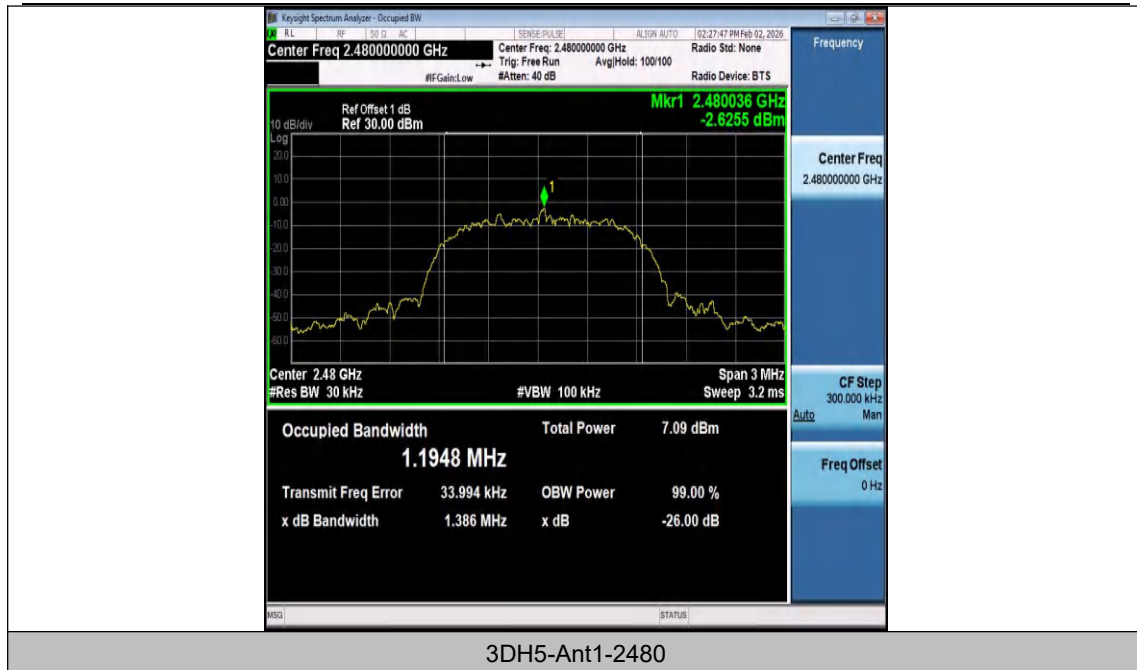




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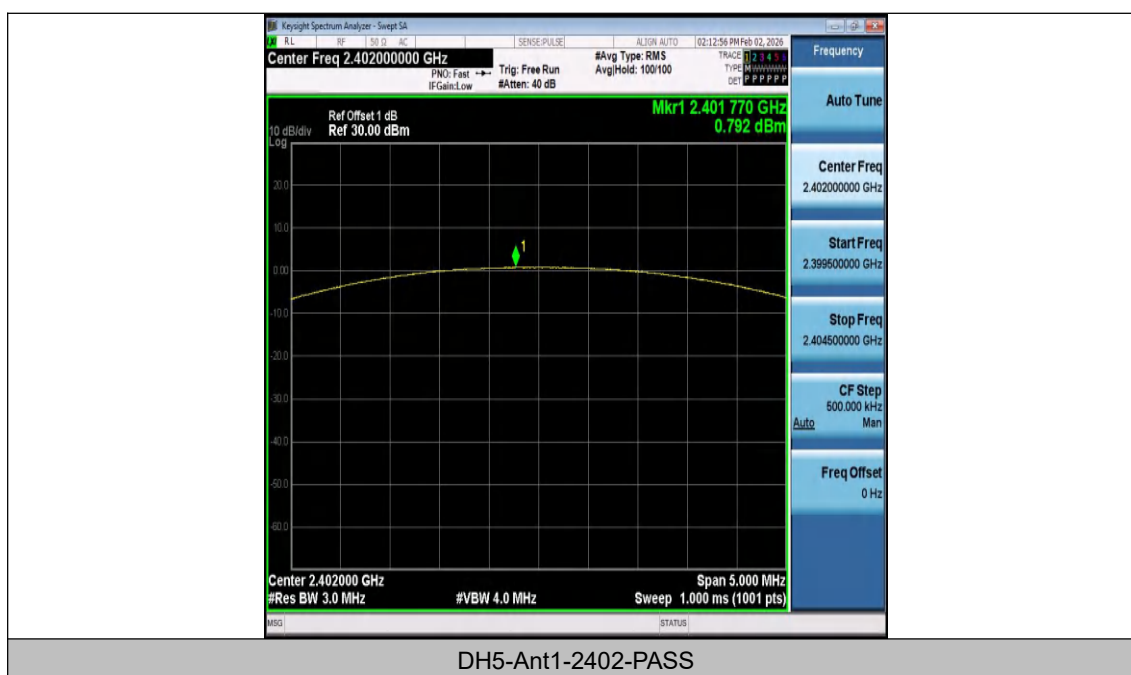
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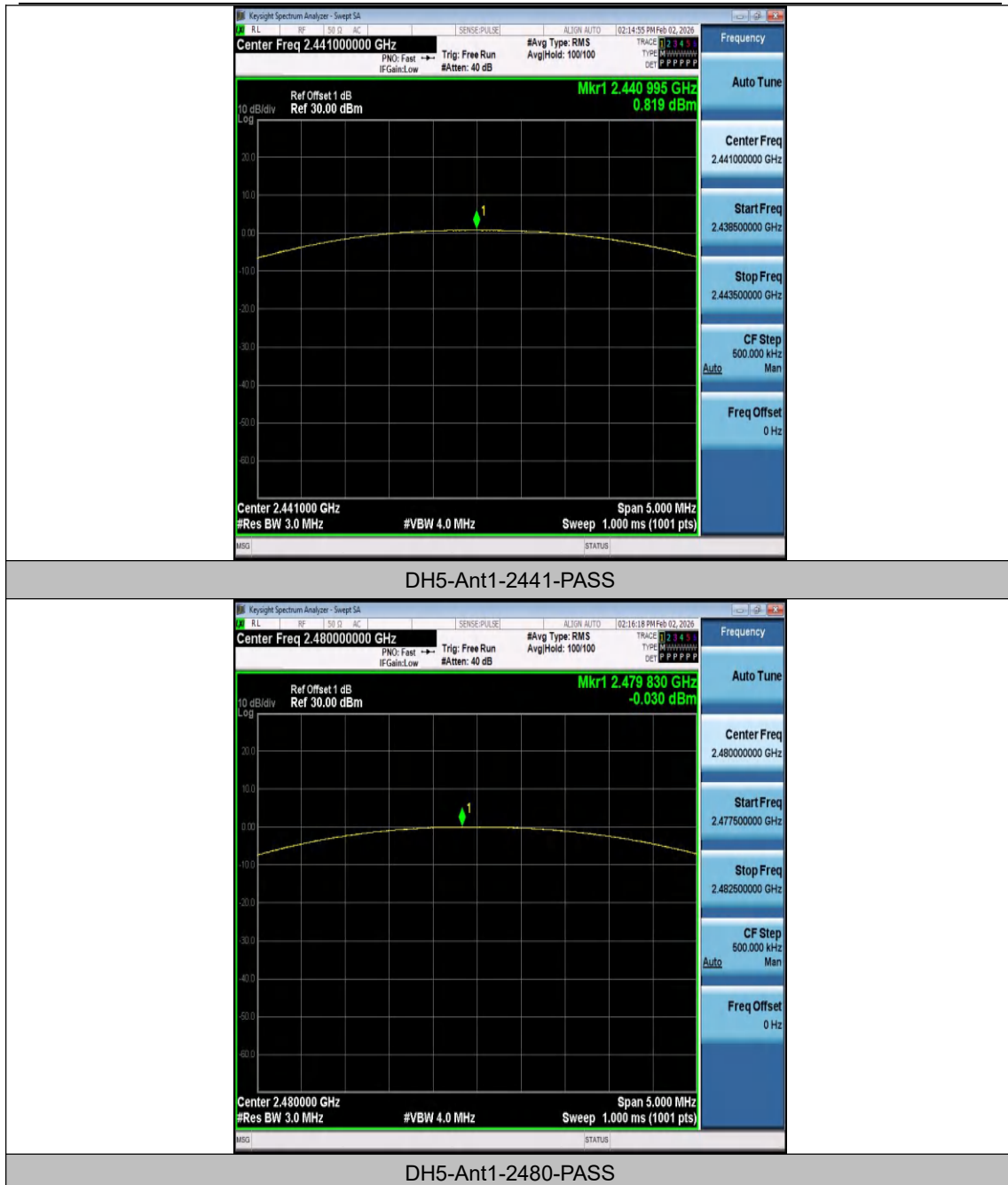
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.79	≤20.97	PASS
DH5	Ant1	2441	0.82	≤20.97	PASS
DH5	Ant1	2480	-0.03	≤20.97	PASS
2DH5	Ant1	2402	2.95	≤20.97	PASS
2DH5	Ant1	2441	2.98	≤20.97	PASS
2DH5	Ant1	2480	2.19	≤20.97	PASS
3DH5	Ant1	2402	3.60	≤20.97	PASS
3DH5	Ant1	2441	3.62	≤20.97	PASS
3DH5	Ant1	2480	2.74	≤20.97	PASS

Test Graphs

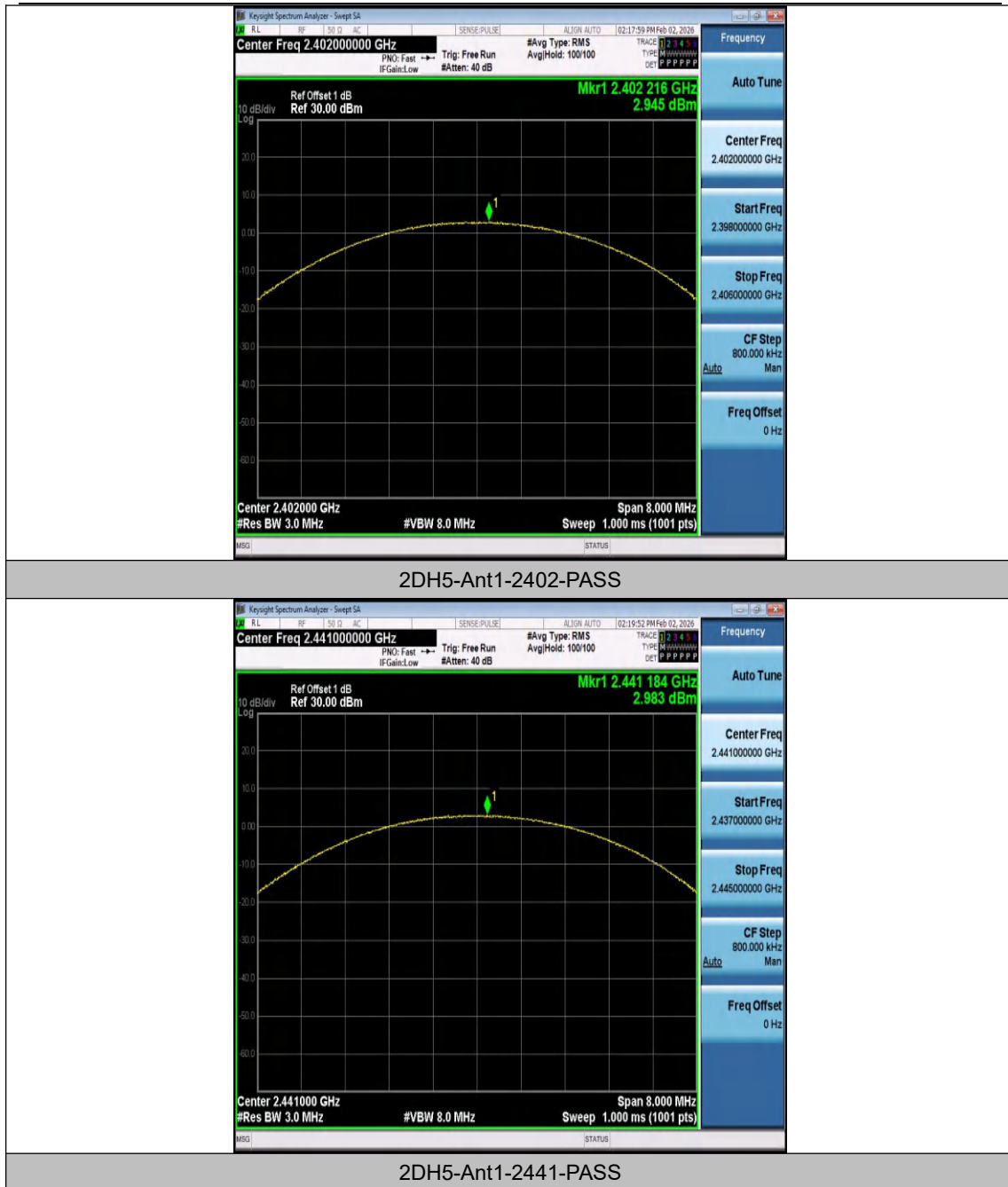




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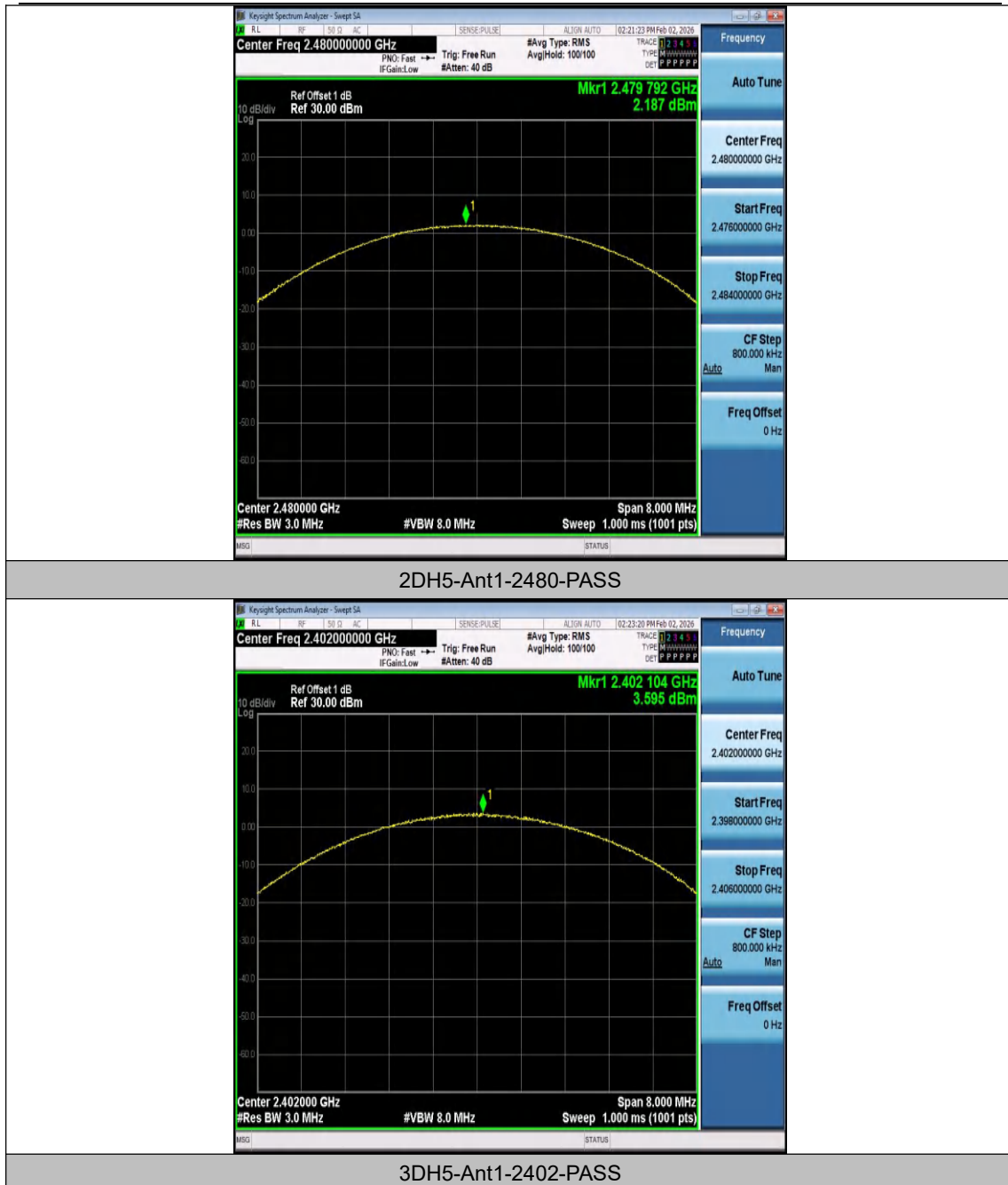
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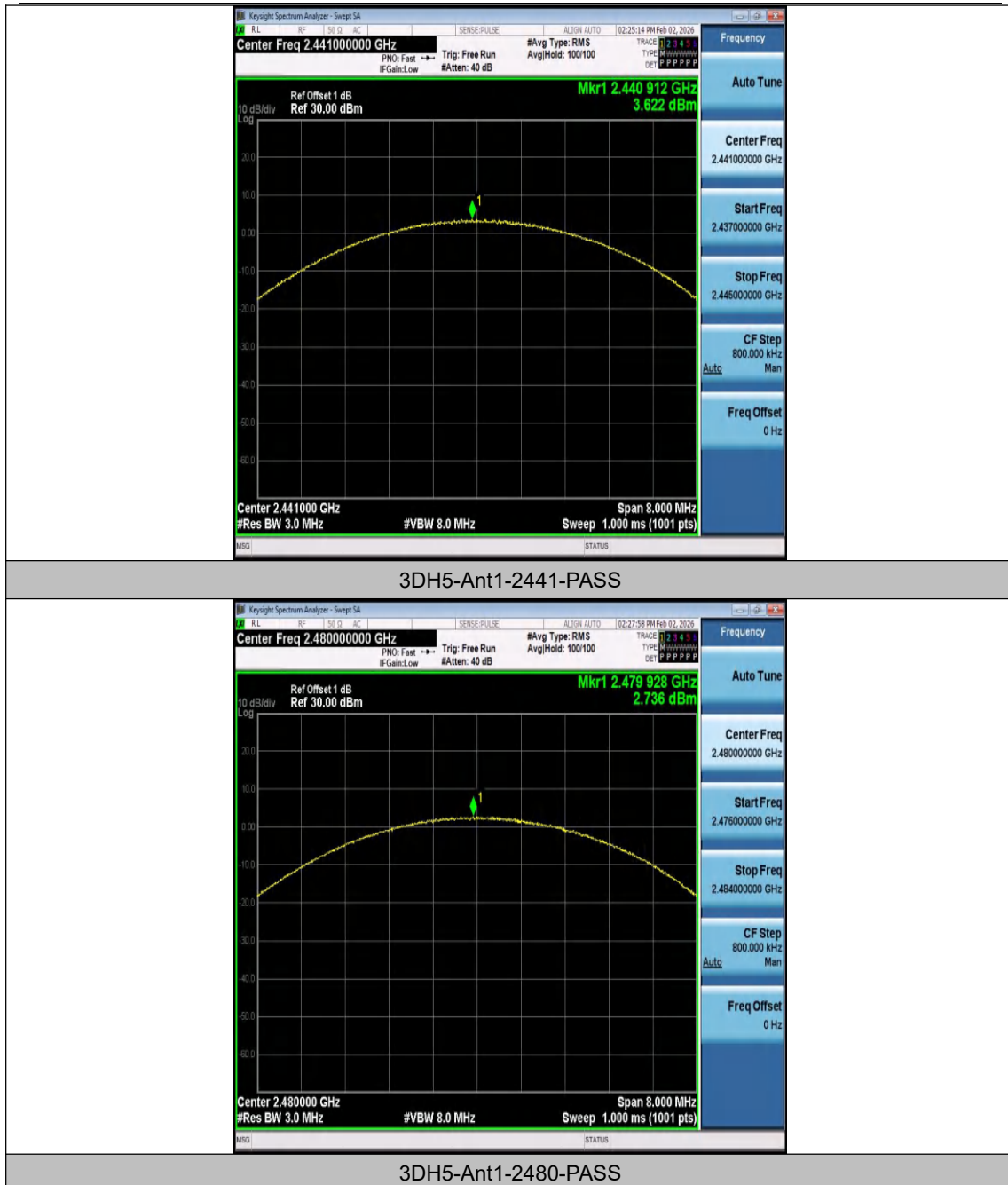
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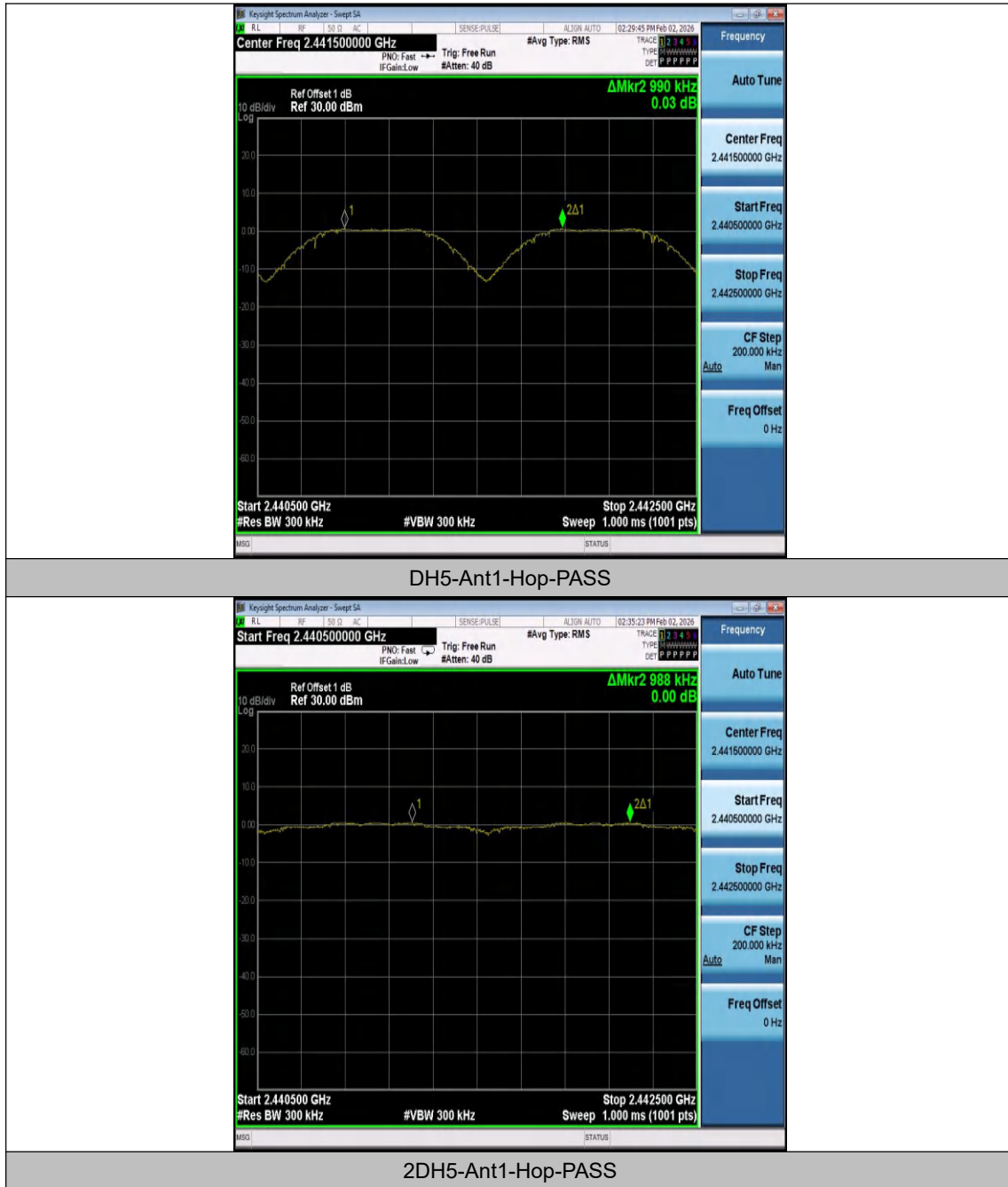
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.99	≥ 0.638	PASS
2DH5	Ant1	Hop	0.988	≥ 0.904	PASS
3DH5	Ant1	Hop	1.01	≥ 0.868	PASS

Note: For conducted power less than 0.125 W(20.97 dBm), the limit can be set using hopping channel carrier frequencies that are separated by 25 kHz or two thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

Test Graphs



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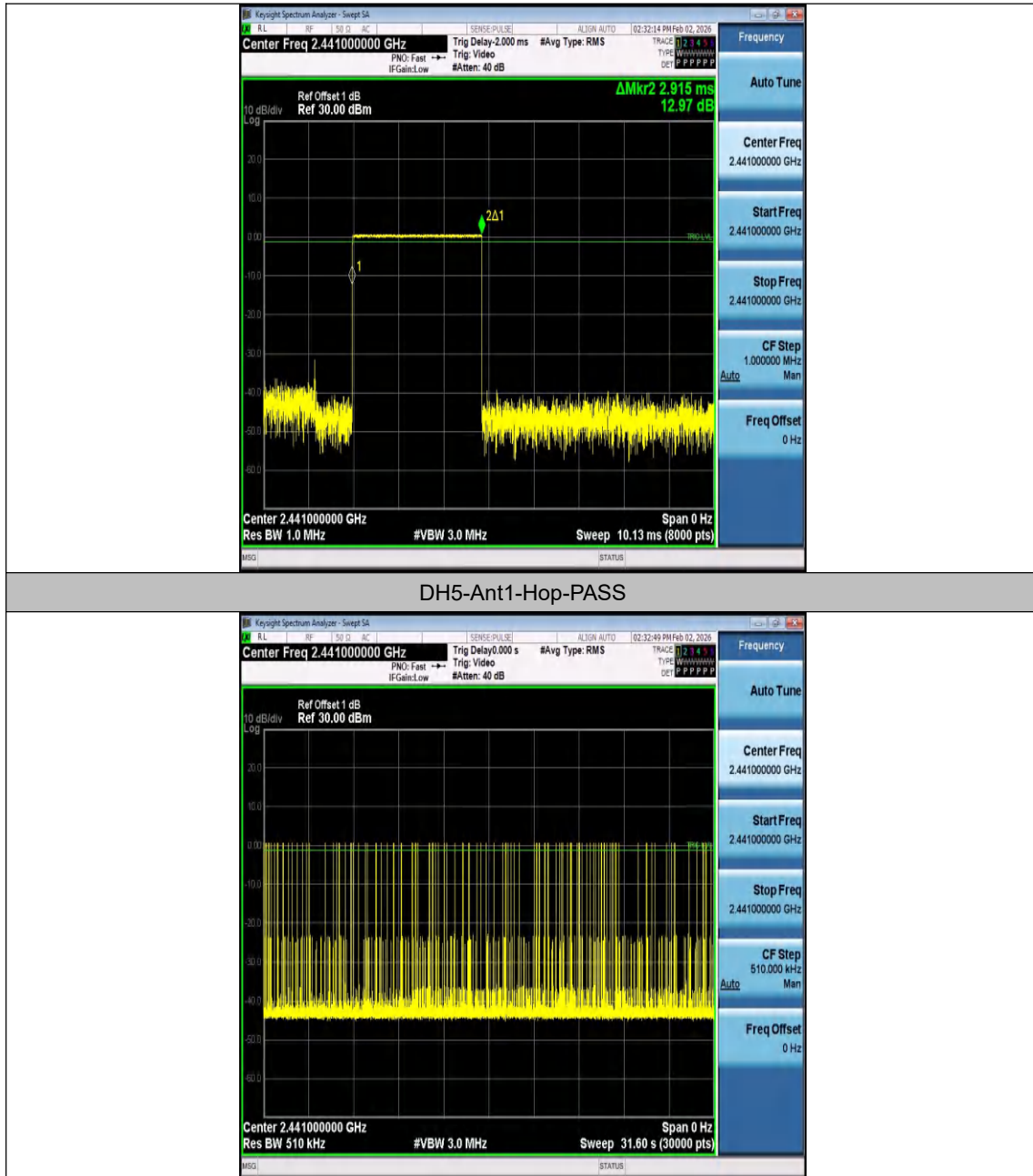
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.915	115	0.335	≤0.4	PASS
2DH5	Ant1	Hop	2.921	105	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.923	126	0.368	≤0.4	PASS

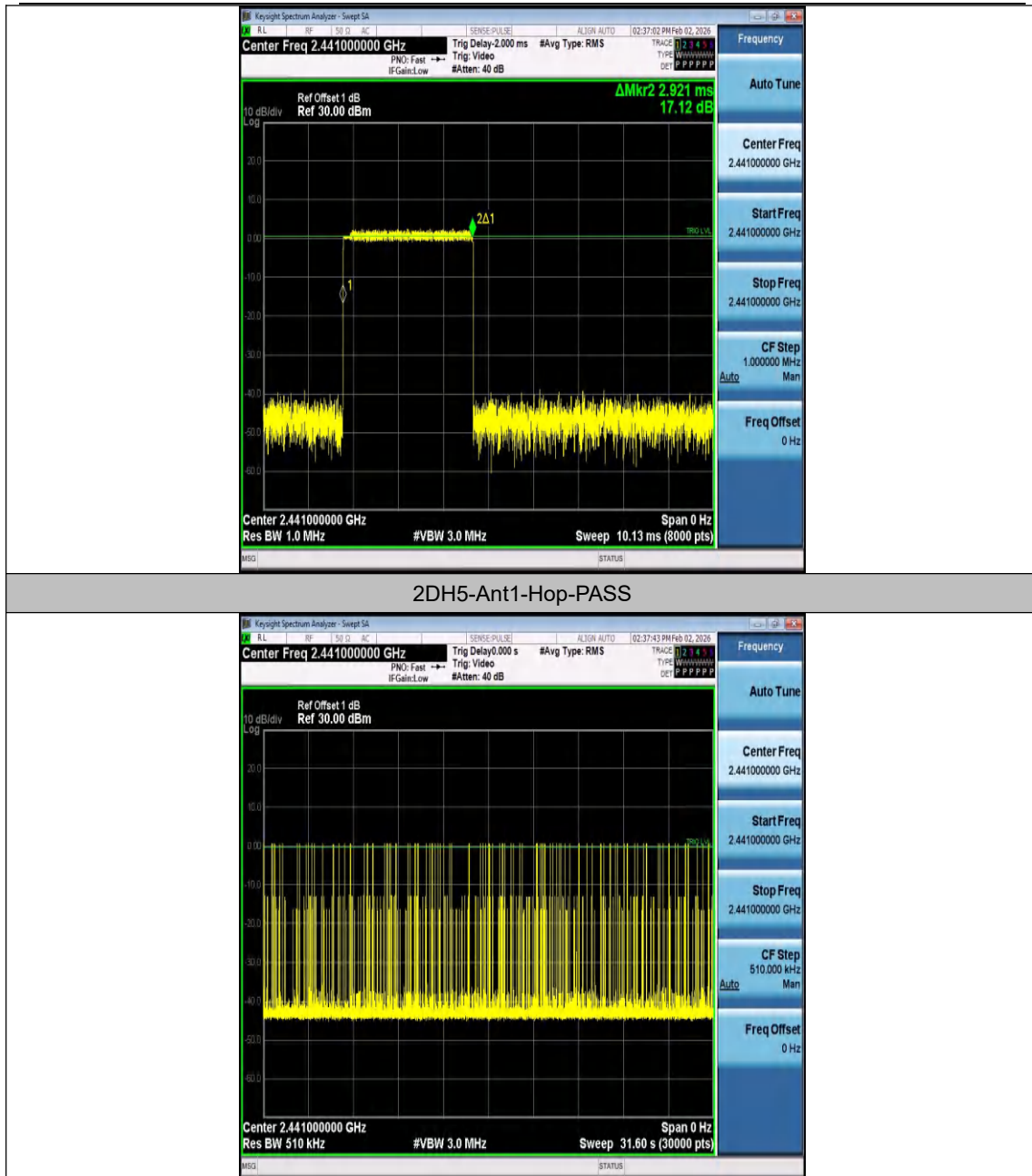
Test Graphs



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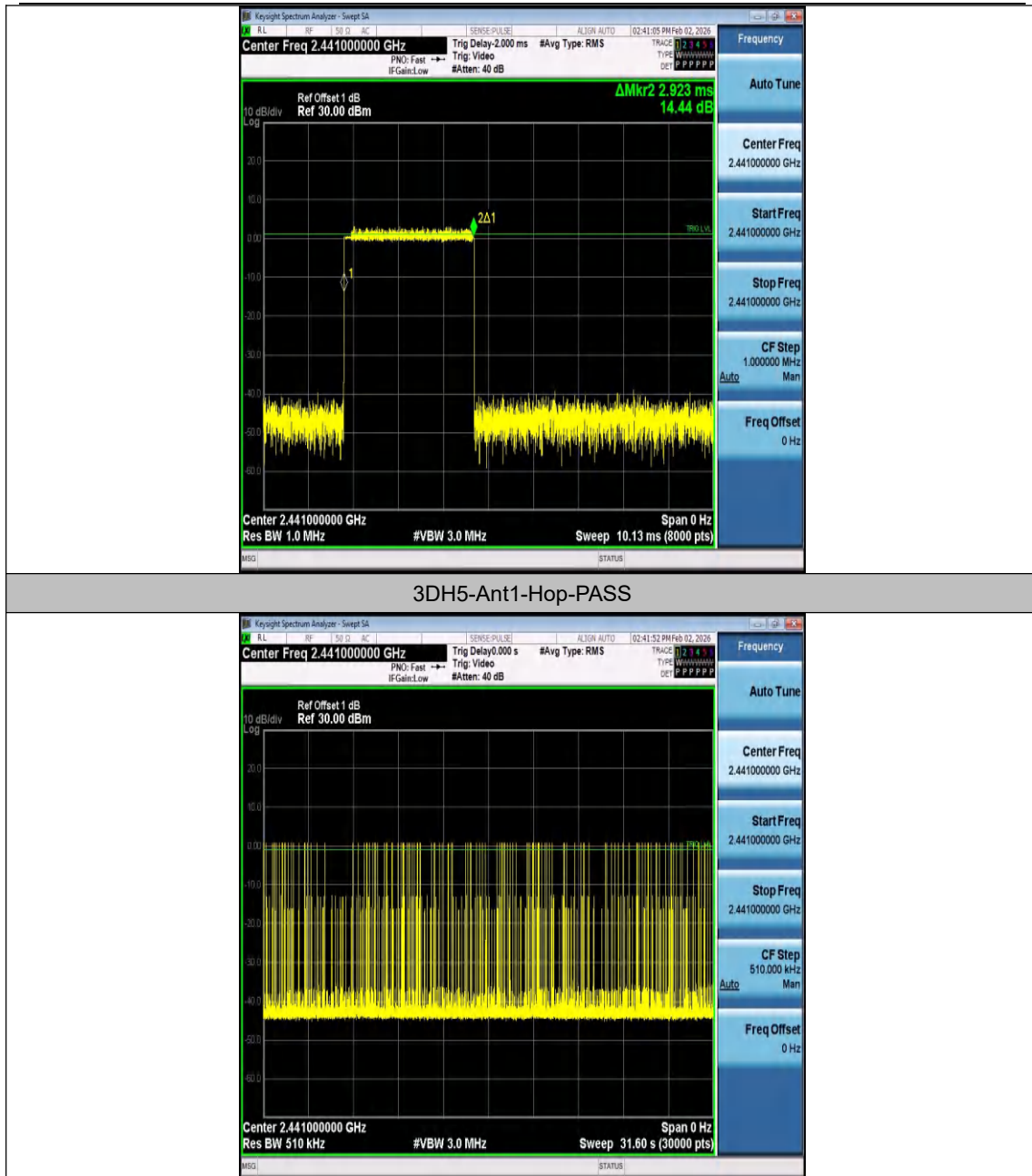
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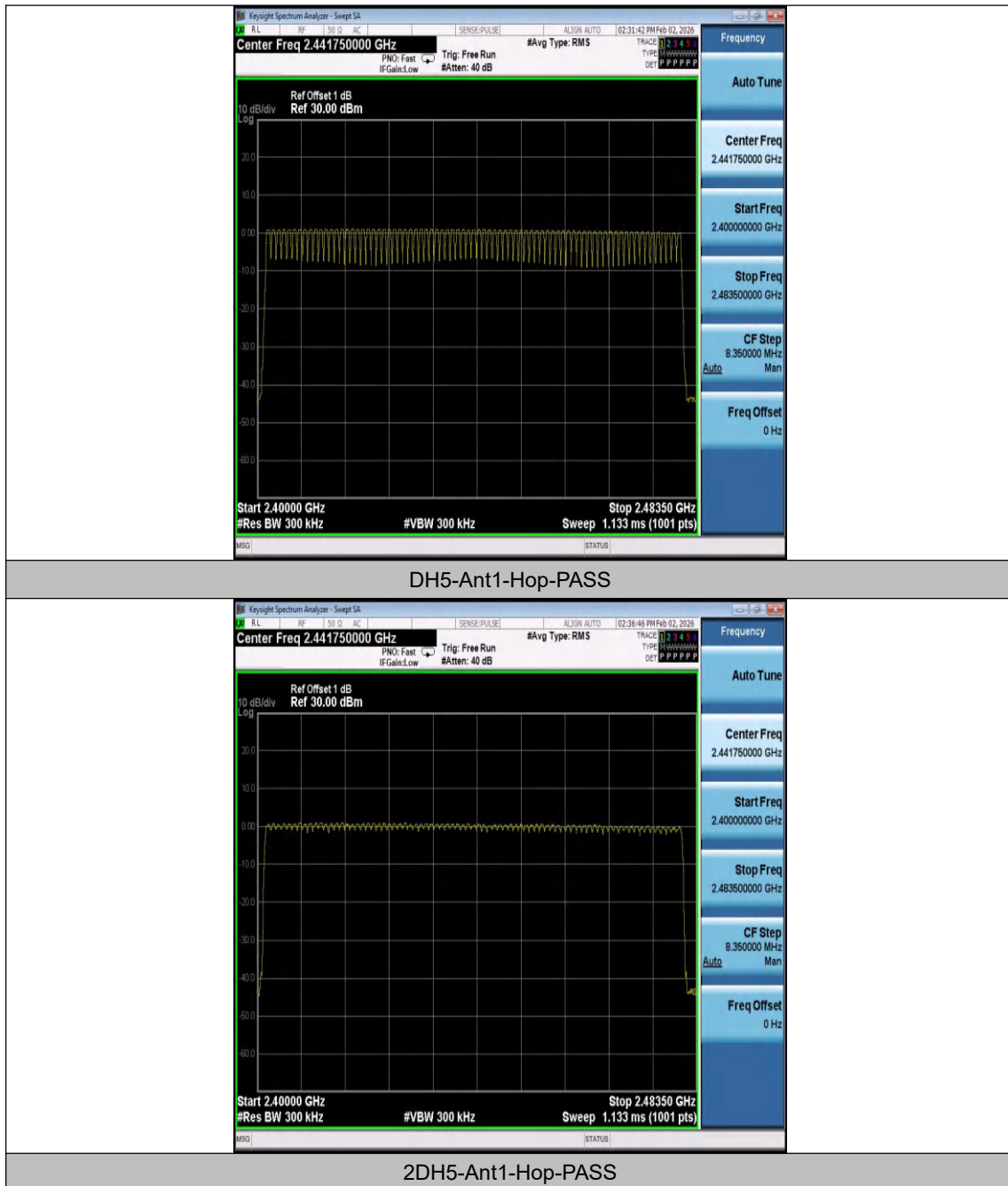
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Appendix F: Number of Hopping Channel

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

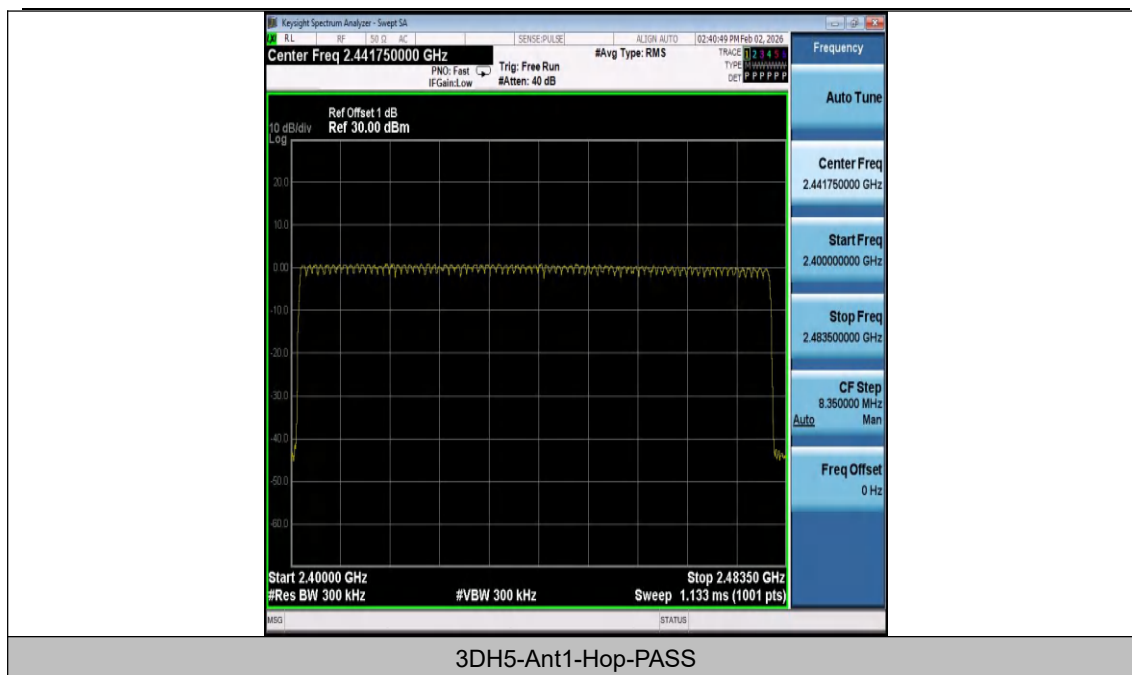
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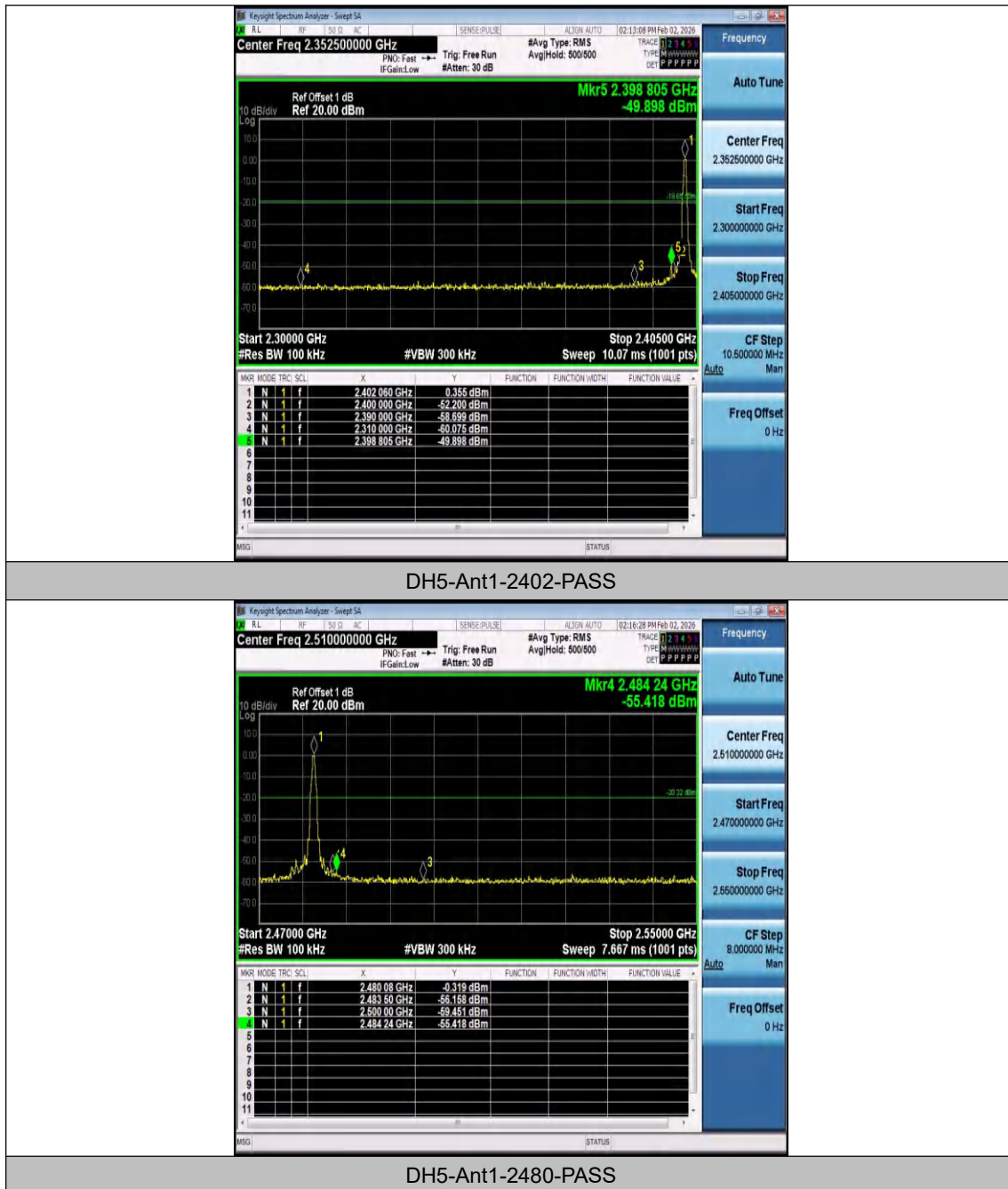
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.36	-49.9	≤-19.65	PASS
DH5	Ant1	High	2480	-0.32	-55.42	≤-20.32	PASS
DH5	Ant1	Low	Hop_2402	0.07	-55.92	≤-19.93	PASS
DH5	Ant1	High	Hop_2480	-0.23	-57.16	≤-20.23	PASS
2DH5	Ant1	Low	2402	0.26	-49.62	≤-19.74	PASS
2DH5	Ant1	High	2480	-0.44	-56.52	≤-20.44	PASS
2DH5	Ant1	Low	Hop_2402	0.28	-54.2	≤-19.72	PASS
2DH5	Ant1	High	Hop_2480	-0.35	-57.06	≤-20.35	PASS
3DH5	Ant1	Low	2402	0.23	-50.91	≤-19.78	PASS
3DH5	Ant1	High	2480	-0.40	-56.41	≤-20.4	PASS
3DH5	Ant1	Low	Hop_2402	0.29	-53.1	≤-19.72	PASS
3DH5	Ant1	High	Hop_2480	-1.04	-56.63	≤-21.04	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.

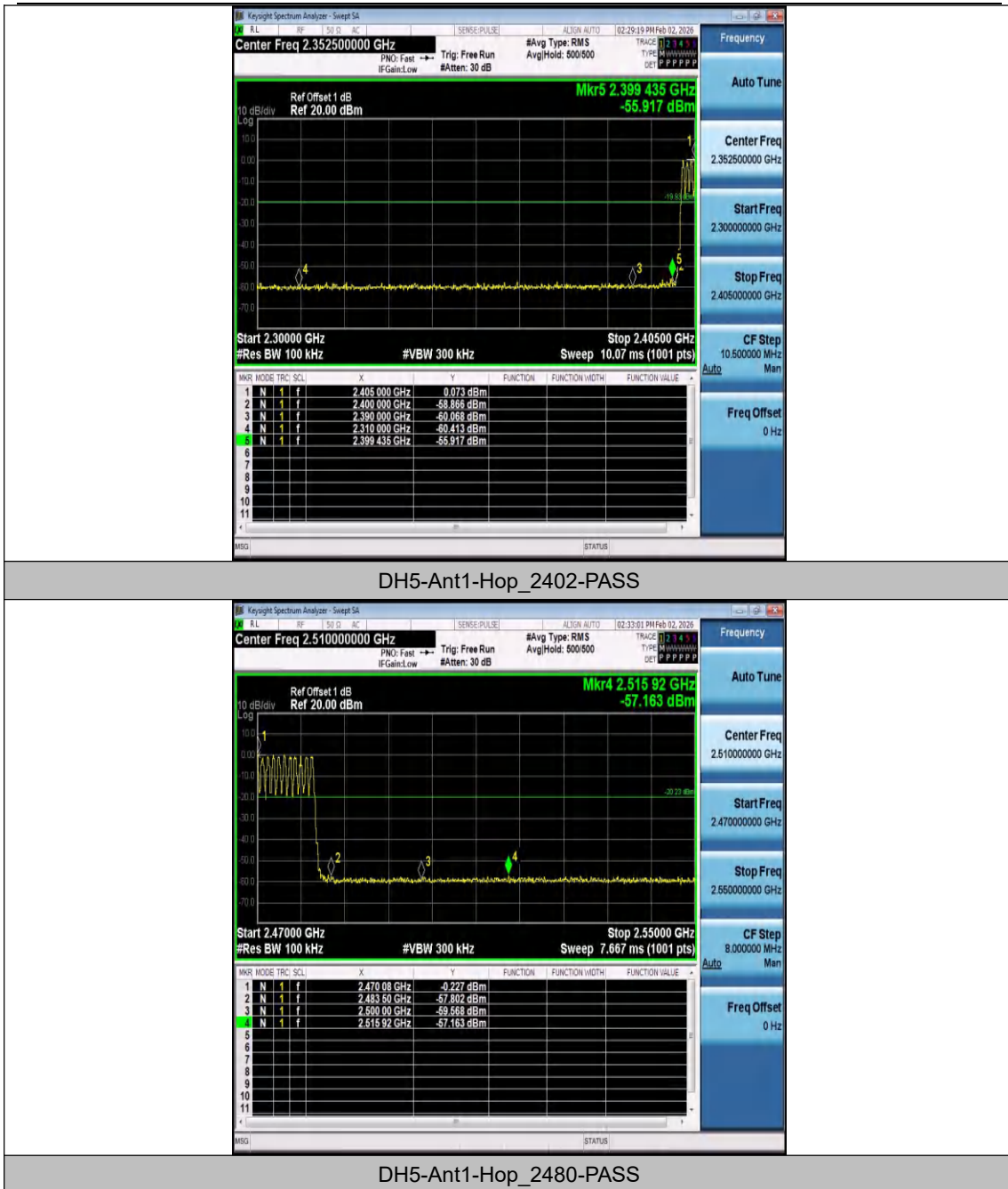
Test Graphs

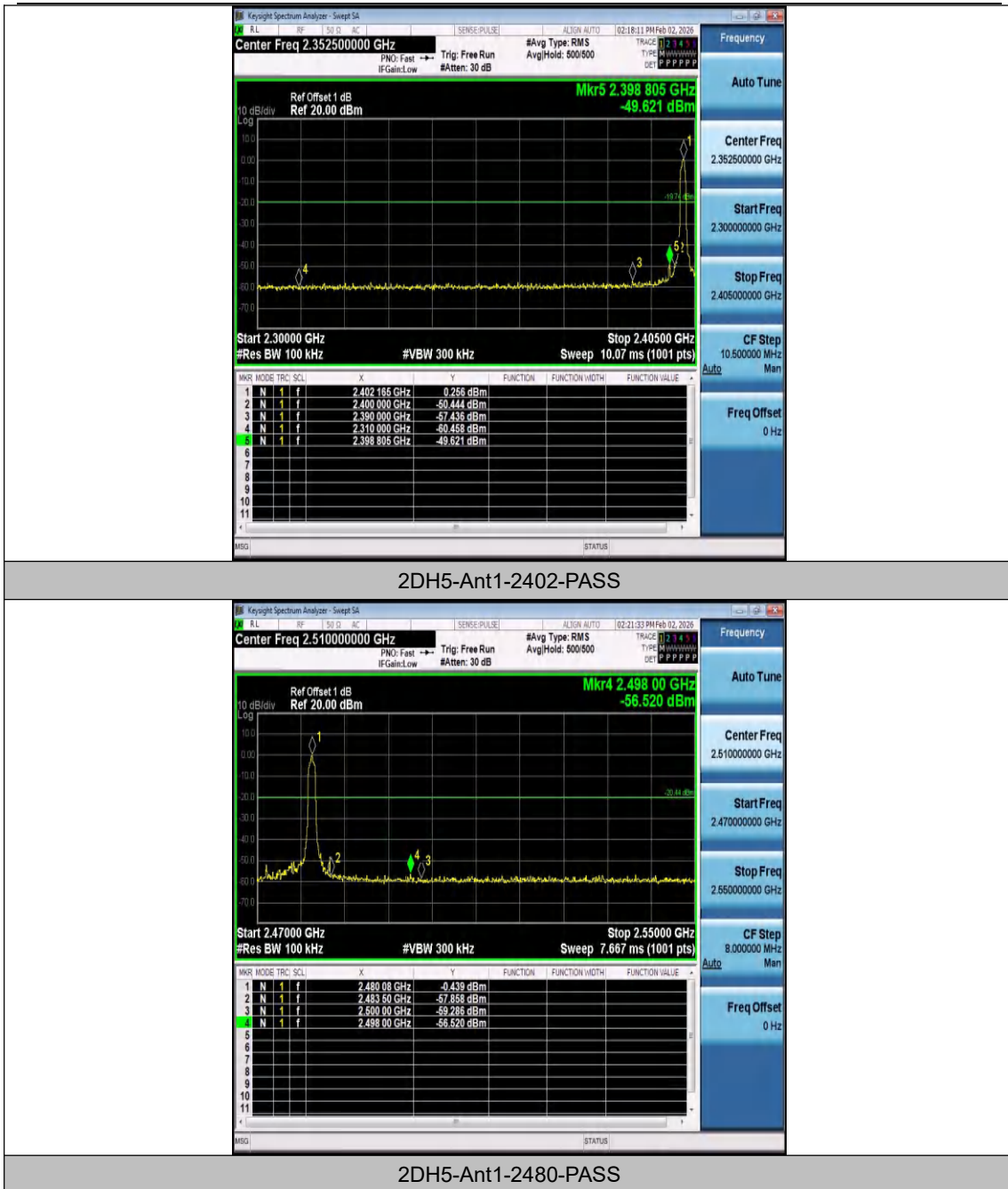


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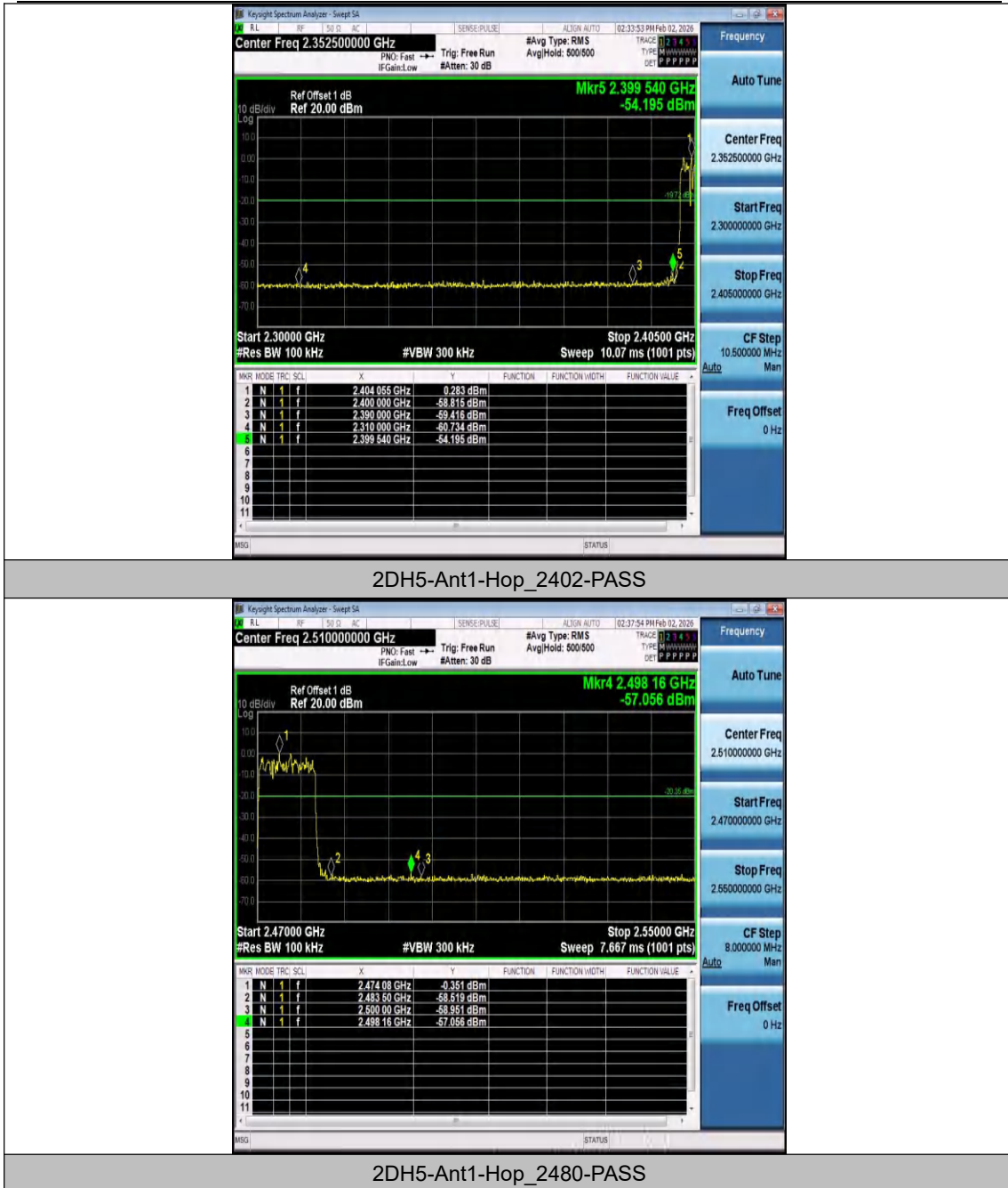


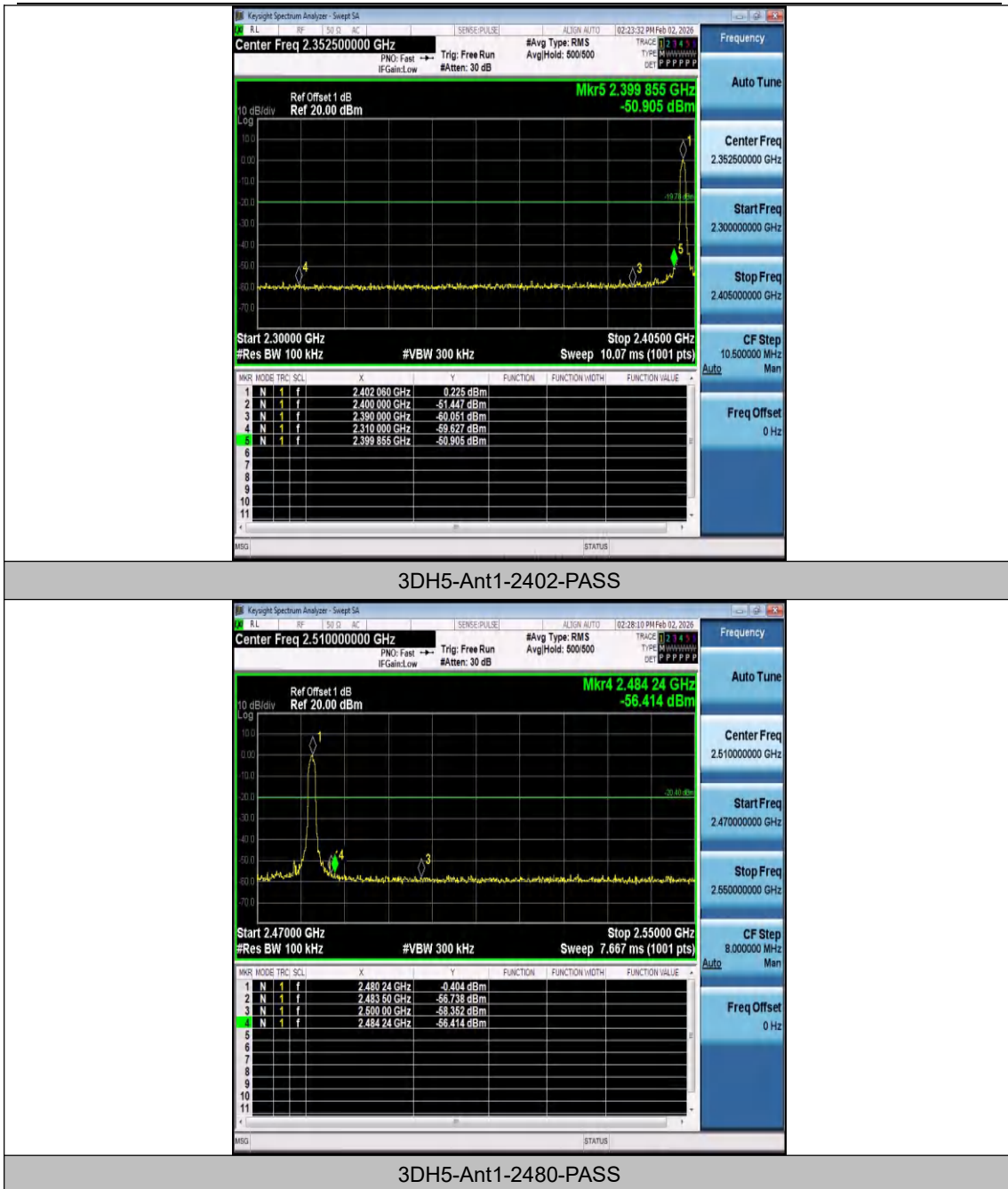


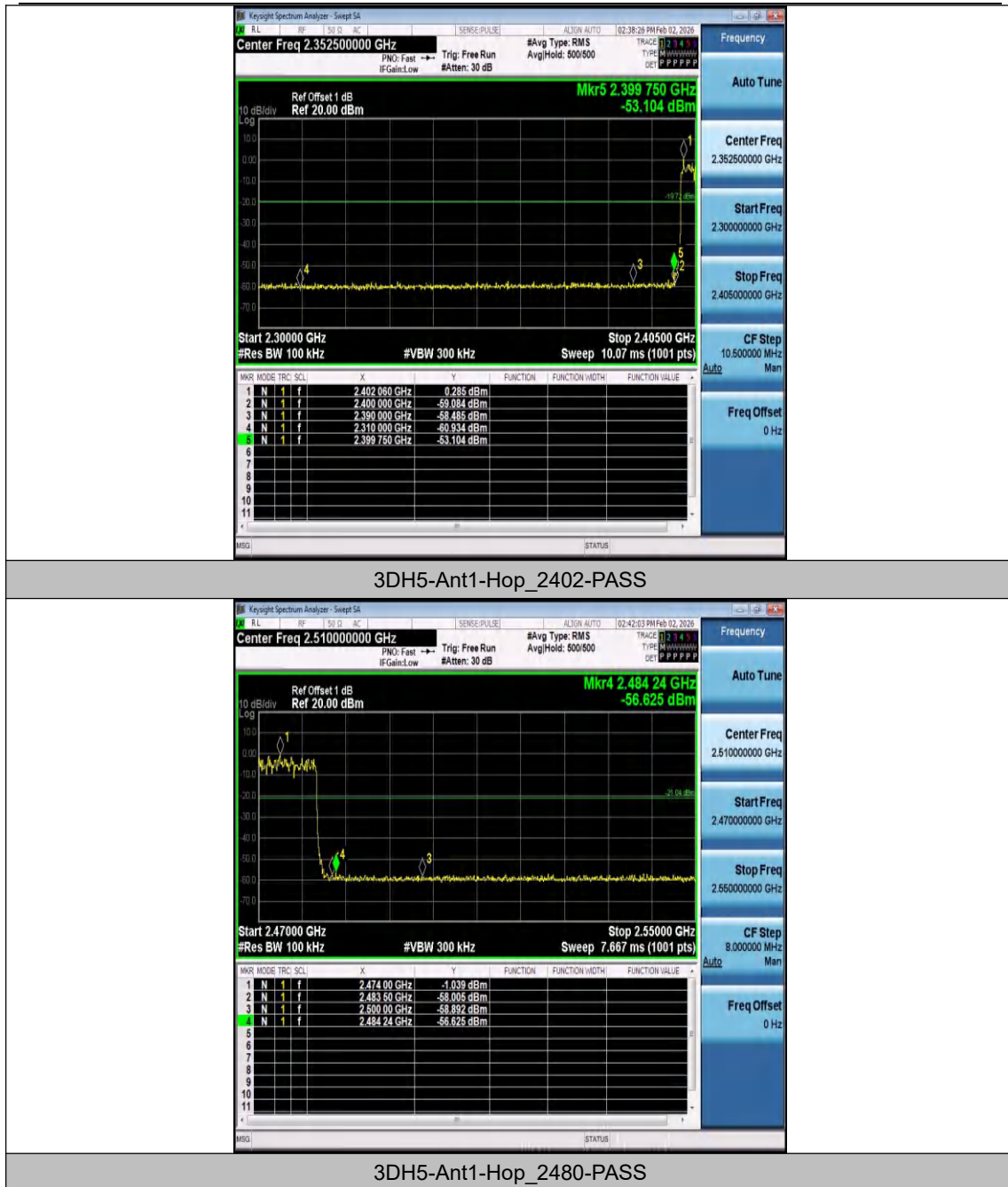
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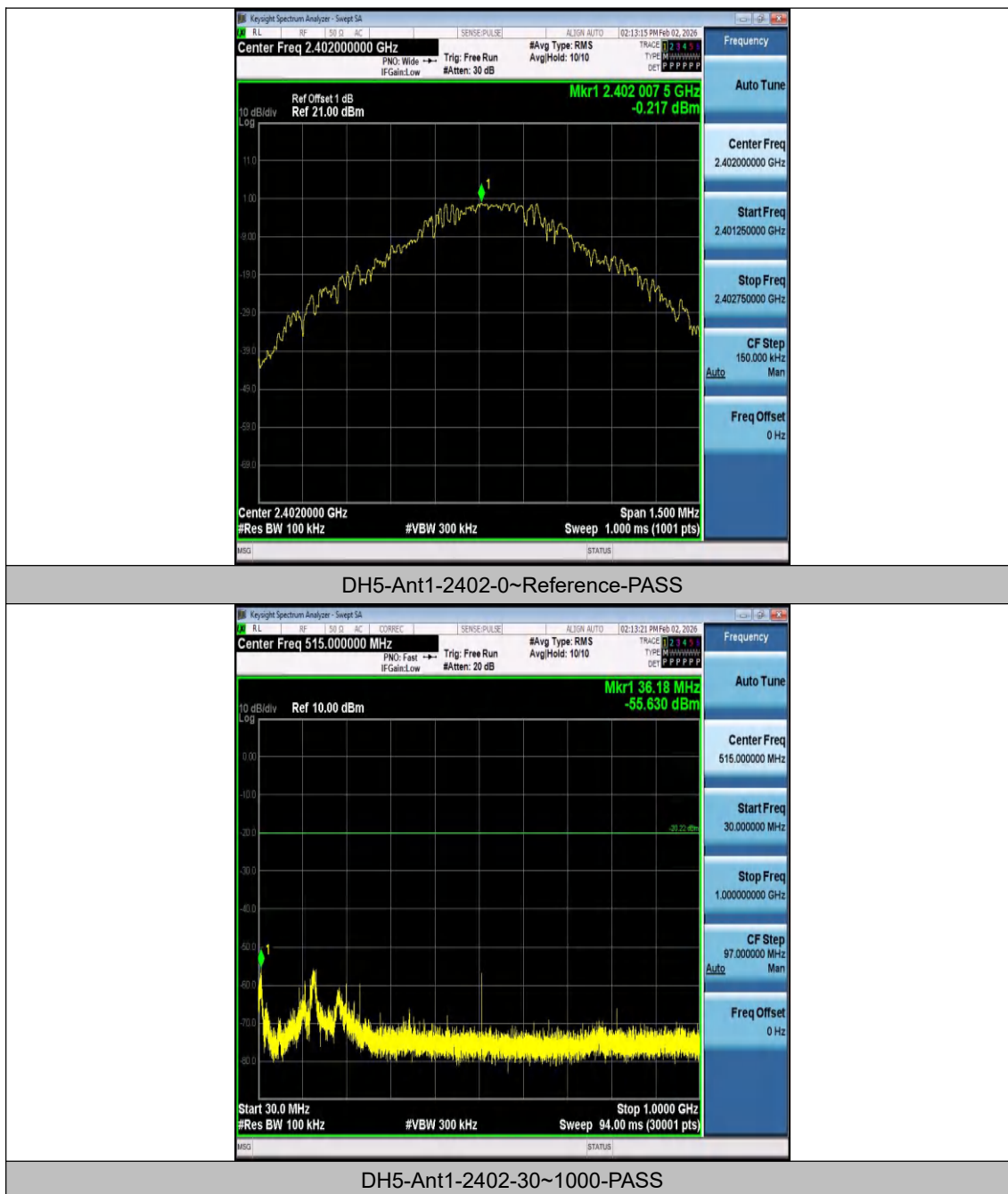
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.22	-0.22	---	PASS
DH5	Ant1	2402	30~1000	-0.22	-55.63	≤-20.22	PASS
DH5	Ant1	2402	1000~26500	-0.22	-33.87	≤-20.22	PASS
DH5	Ant1	2441	0~Reference	-0.10	-0.10	---	PASS
DH5	Ant1	2441	30~1000	-0.10	-55.05	≤-20.1	PASS
DH5	Ant1	2441	1000~26500	-0.10	-34.98	≤-20.1	PASS
DH5	Ant1	2480	0~Reference	-1.05	-1.05	---	PASS
DH5	Ant1	2480	30~1000	-1.05	-54.39	≤-21.05	PASS
DH5	Ant1	2480	1000~26500	-1.05	-35.48	≤-21.05	PASS
2DH5	Ant1	2402	0~Reference	-1.51	-1.51	---	PASS
2DH5	Ant1	2402	30~1000	-1.51	-53.2	≤-21.51	PASS
2DH5	Ant1	2402	1000~26500	-1.51	-35.36	≤-21.51	PASS
2DH5	Ant1	2441	0~Reference	-0.33	-0.33	---	PASS
2DH5	Ant1	2441	30~1000	-0.33	-53.81	≤-20.33	PASS
2DH5	Ant1	2441	1000~26500	-0.33	-36.37	≤-20.33	PASS
2DH5	Ant1	2480	0~Reference	-2.42	-2.42	---	PASS
2DH5	Ant1	2480	30~1000	-2.42	-52.37	≤-22.42	PASS
2DH5	Ant1	2480	1000~26500	-2.42	-36.25	≤-22.42	PASS
3DH5	Ant1	2402	0~Reference	-0.42	-0.42	---	PASS
3DH5	Ant1	2402	30~1000	-0.42	-54.25	≤-20.42	PASS
3DH5	Ant1	2402	1000~26500	-0.42	-35.27	≤-20.42	PASS
3DH5	Ant1	2441	0~Reference	-0.57	-0.57	---	PASS
3DH5	Ant1	2441	30~1000	-0.57	-53.87	≤-20.57	PASS
3DH5	Ant1	2441	1000~26500	-0.57	-35.15	≤-20.57	PASS
3DH5	Ant1	2480	0~Reference	-2.55	-2.55	---	PASS
3DH5	Ant1	2480	30~1000	-2.55	-53.03	≤-22.55	PASS
3DH5	Ant1	2480	1000~26500	-2.55	-36.34	≤-22.55	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.

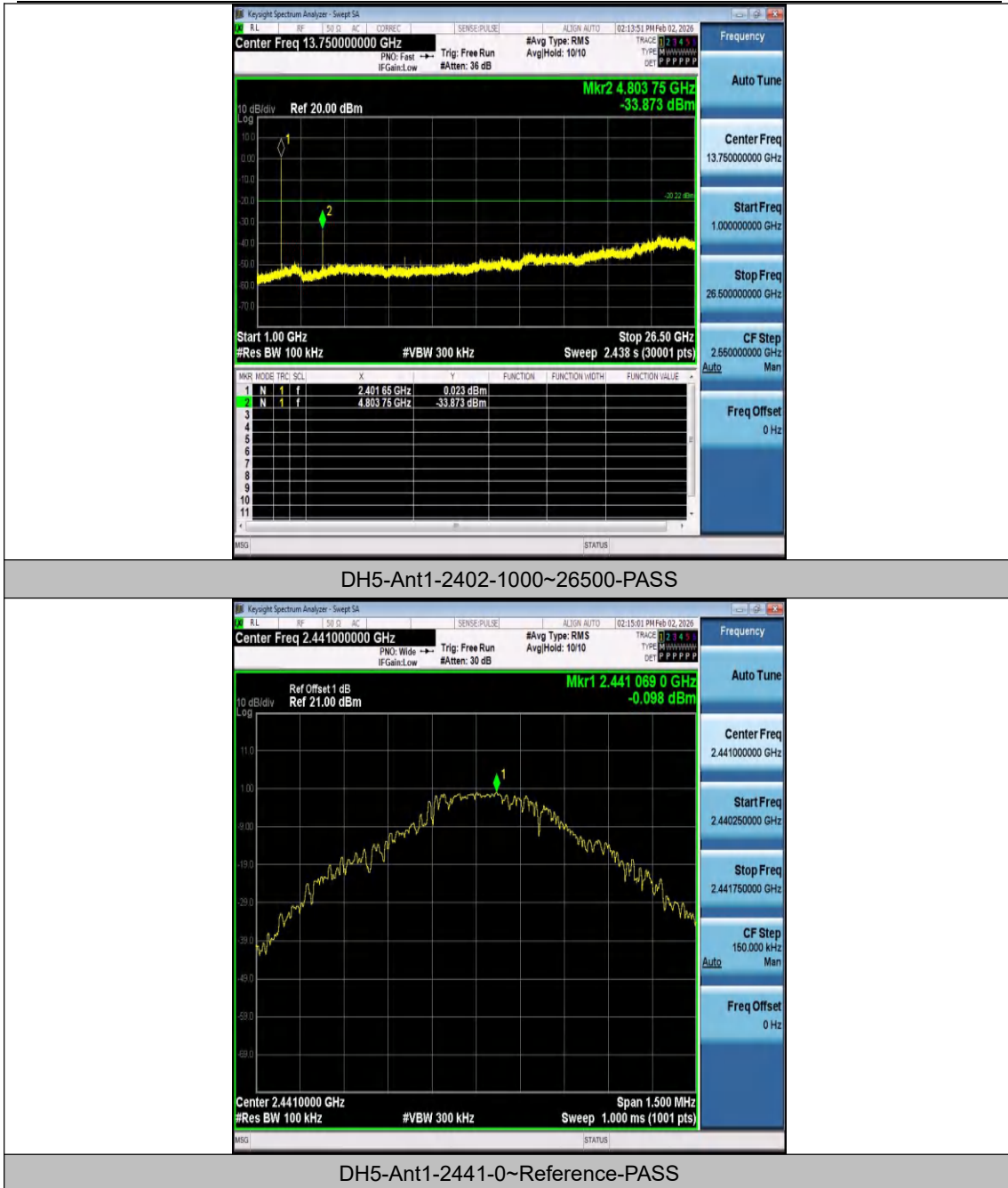
Test Graphs



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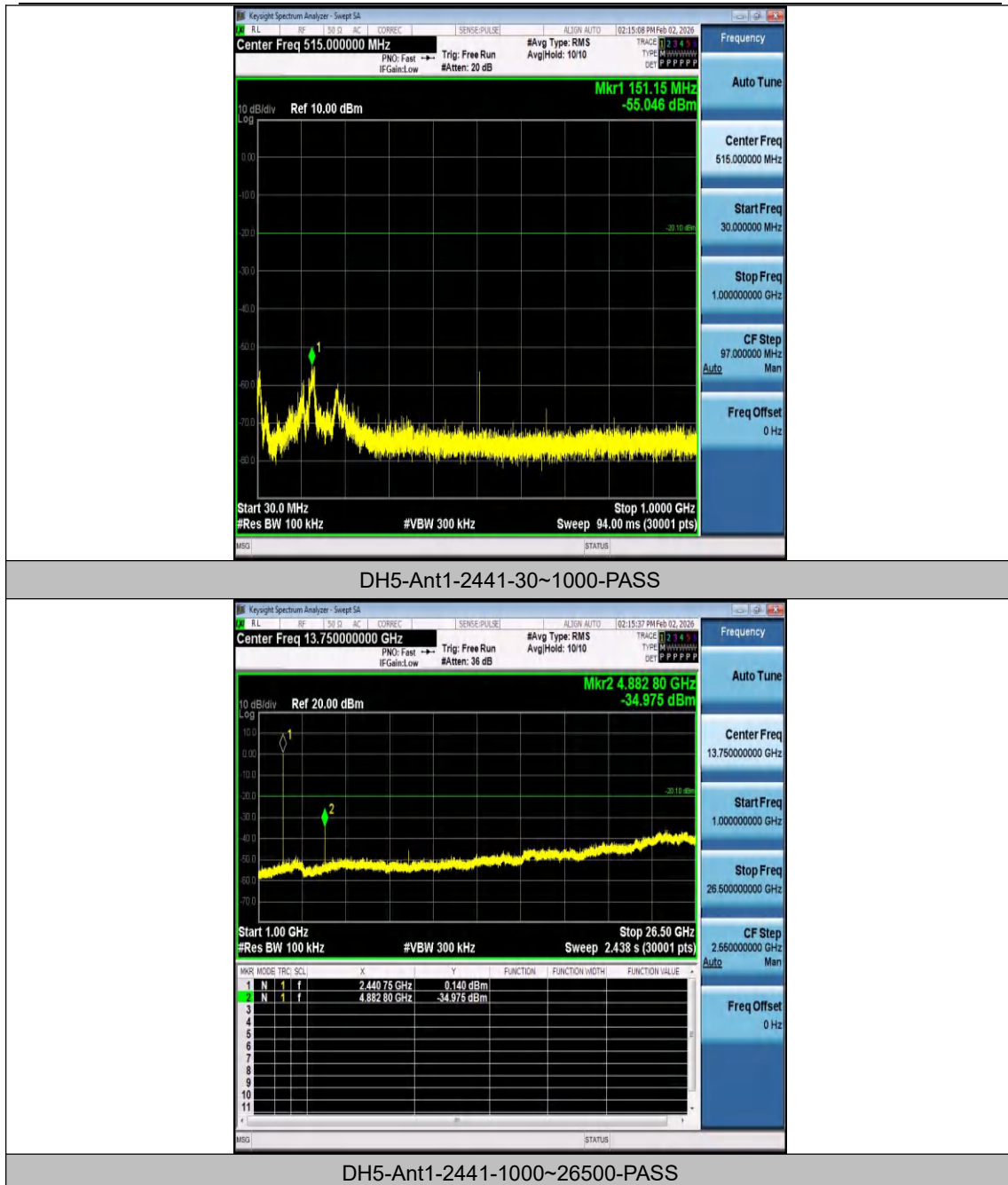
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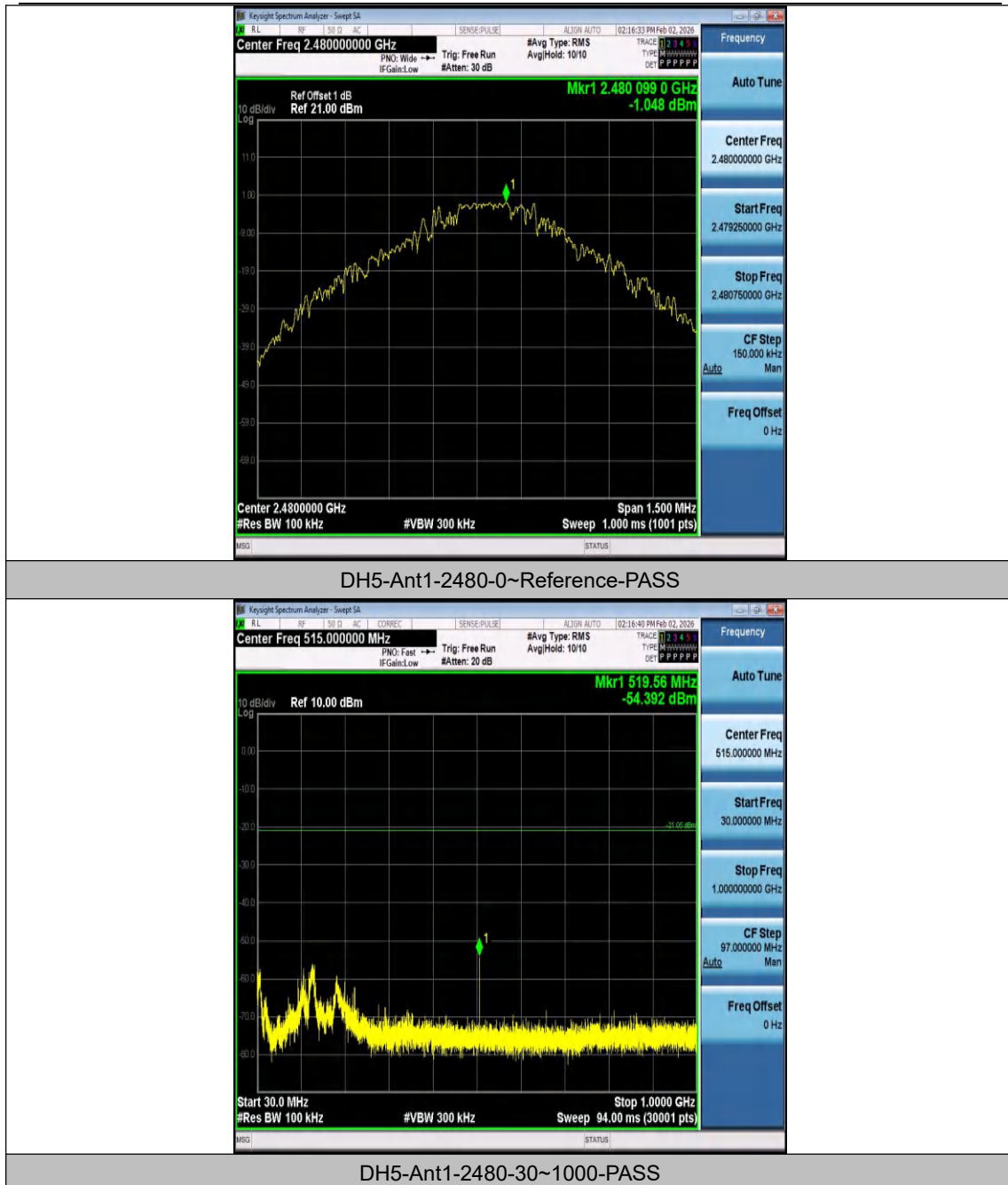
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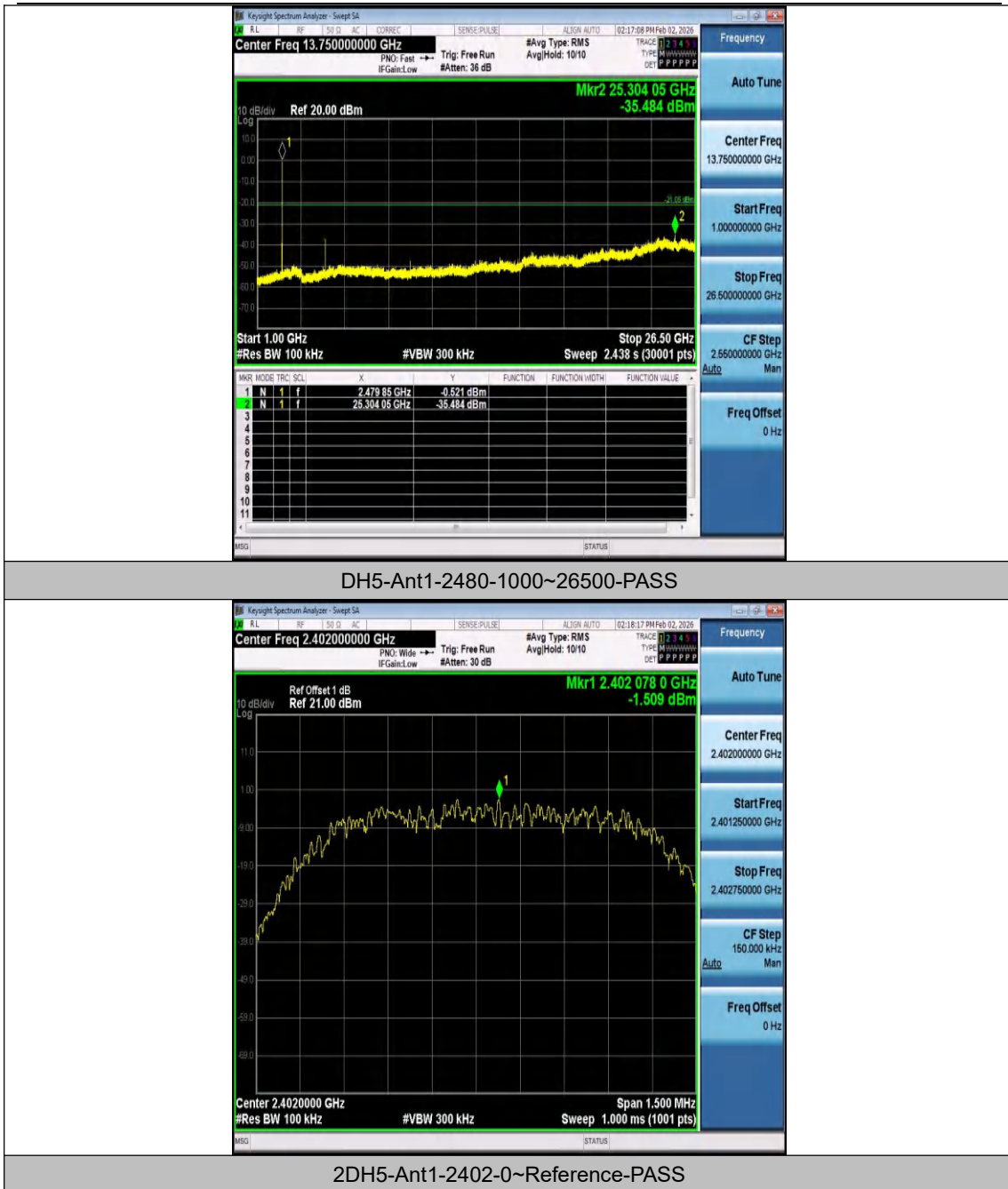
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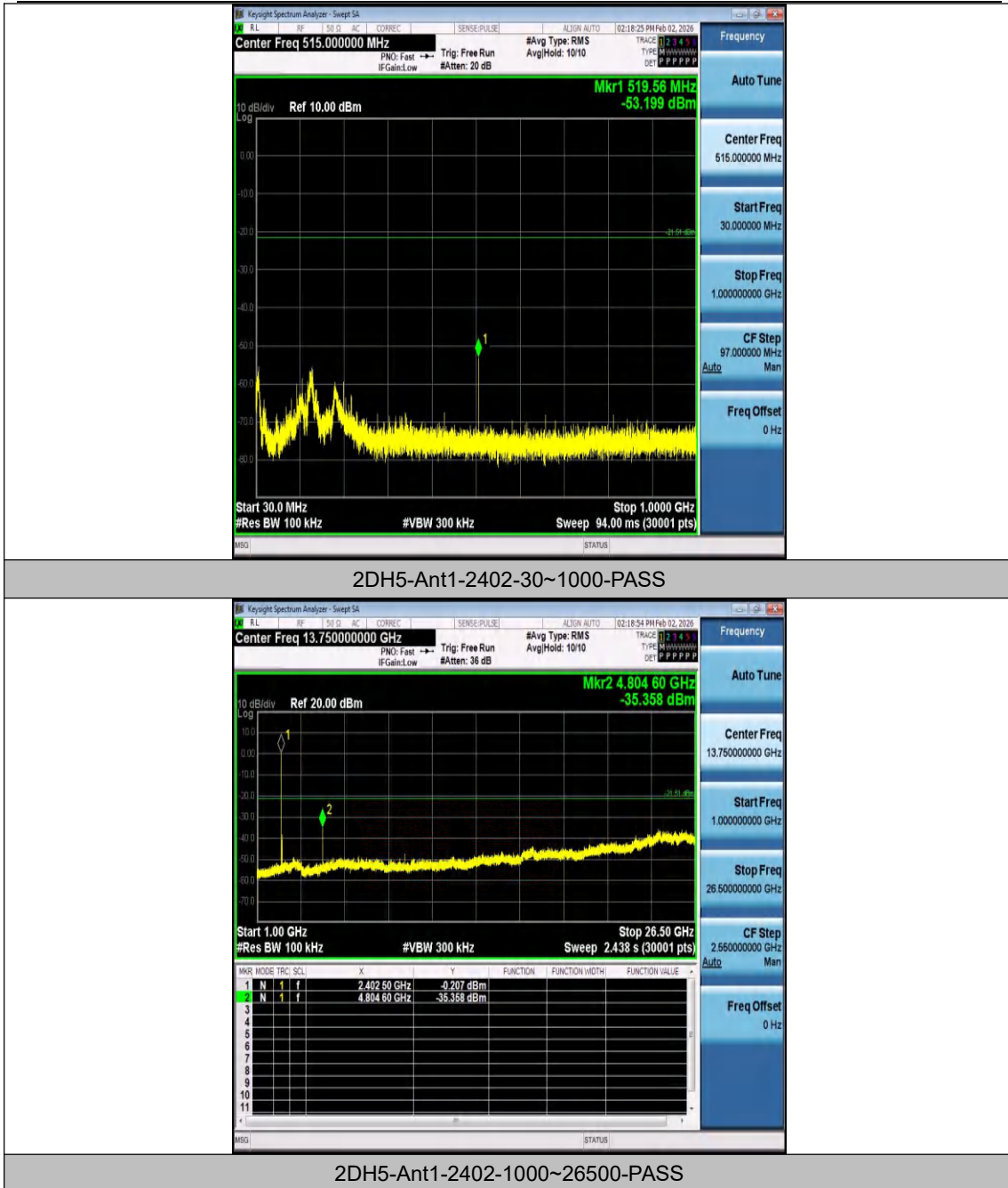
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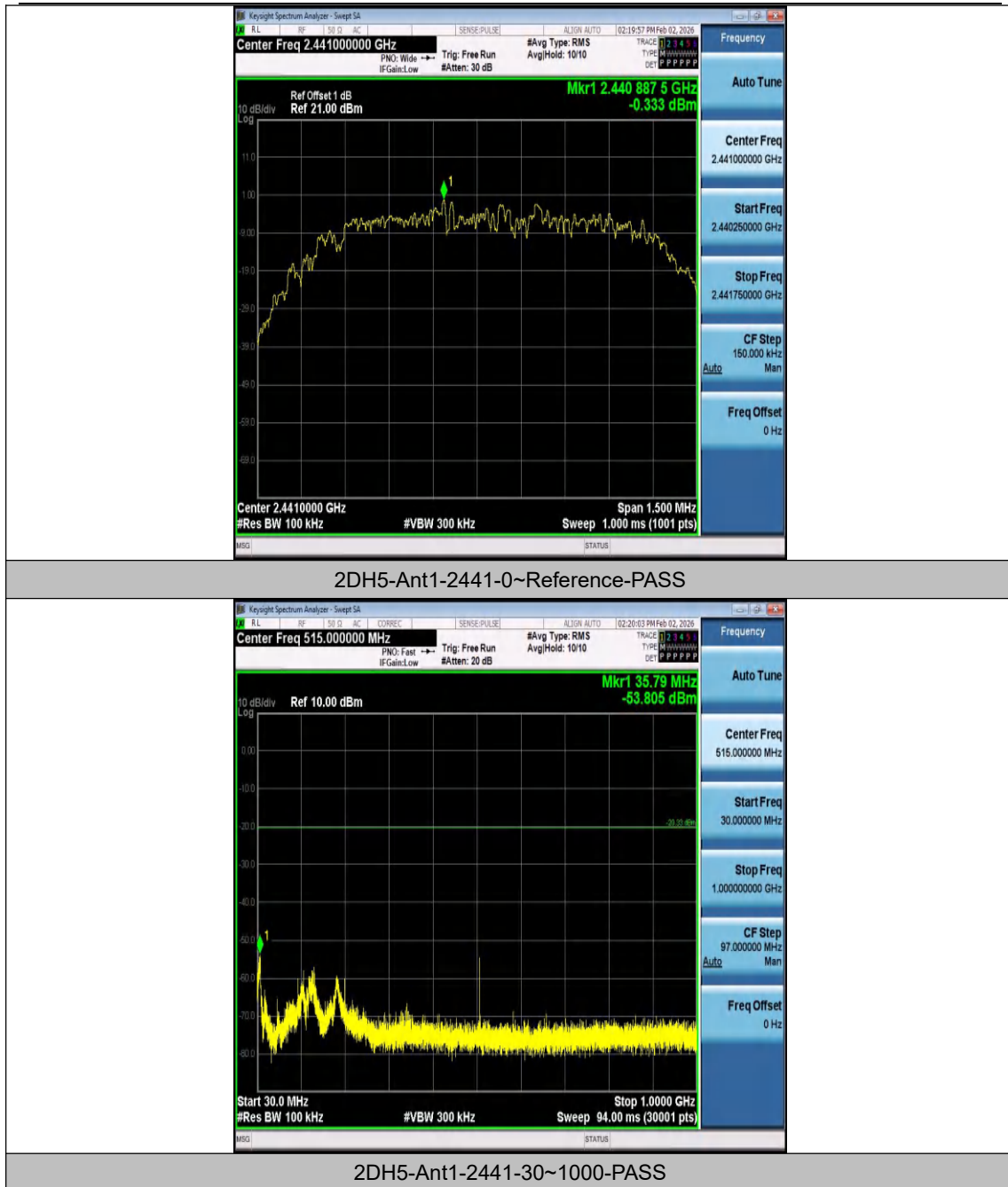
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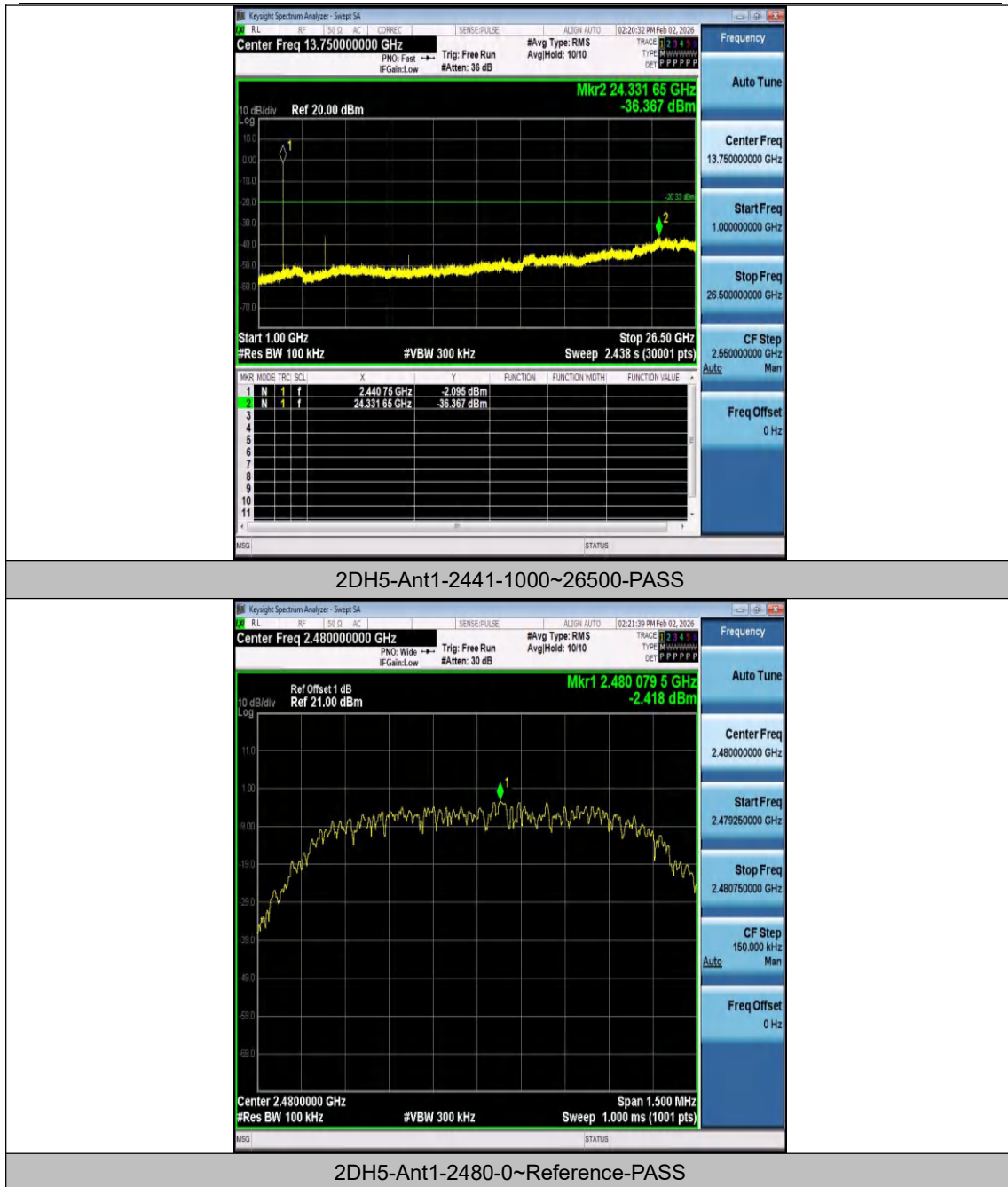
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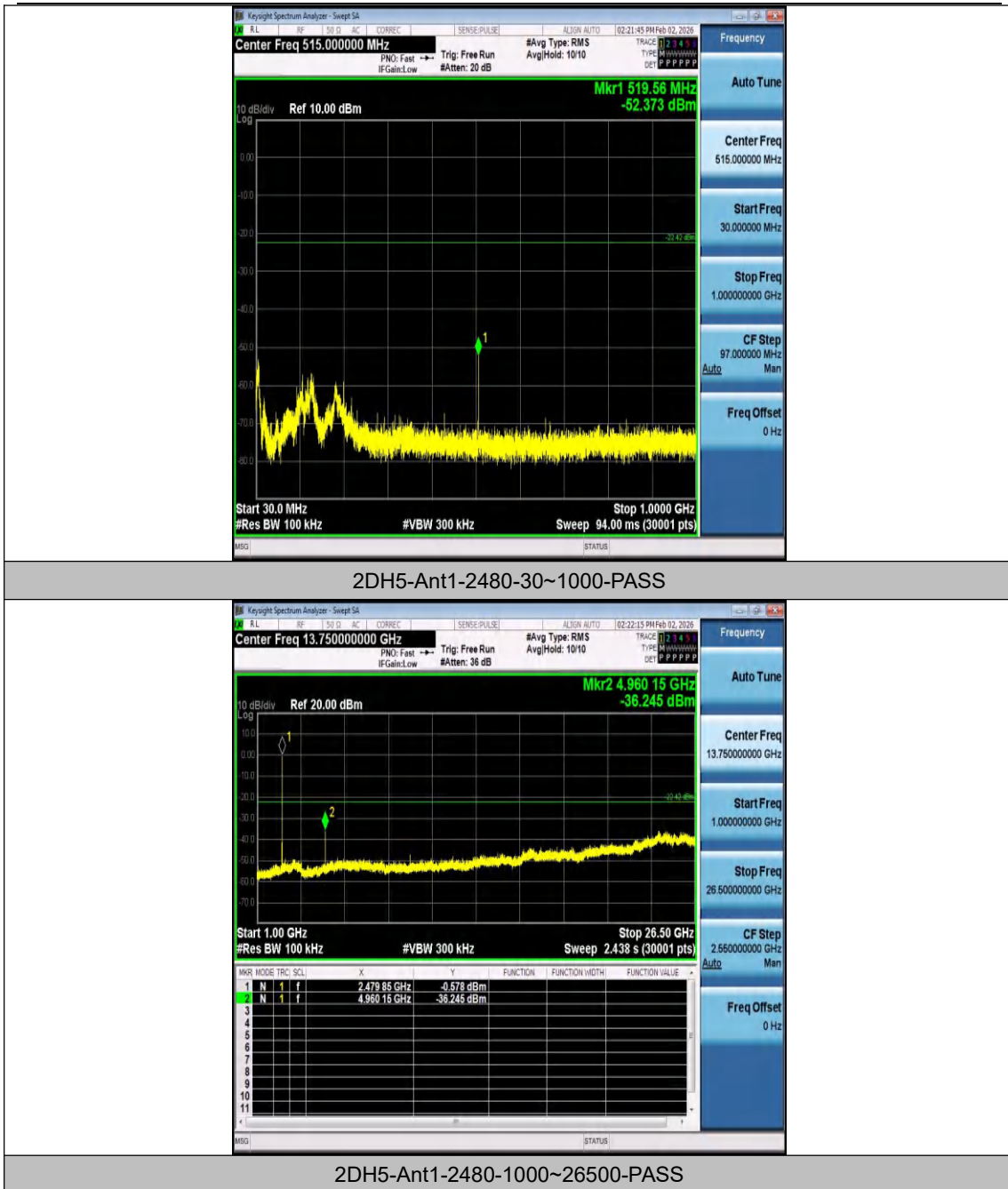


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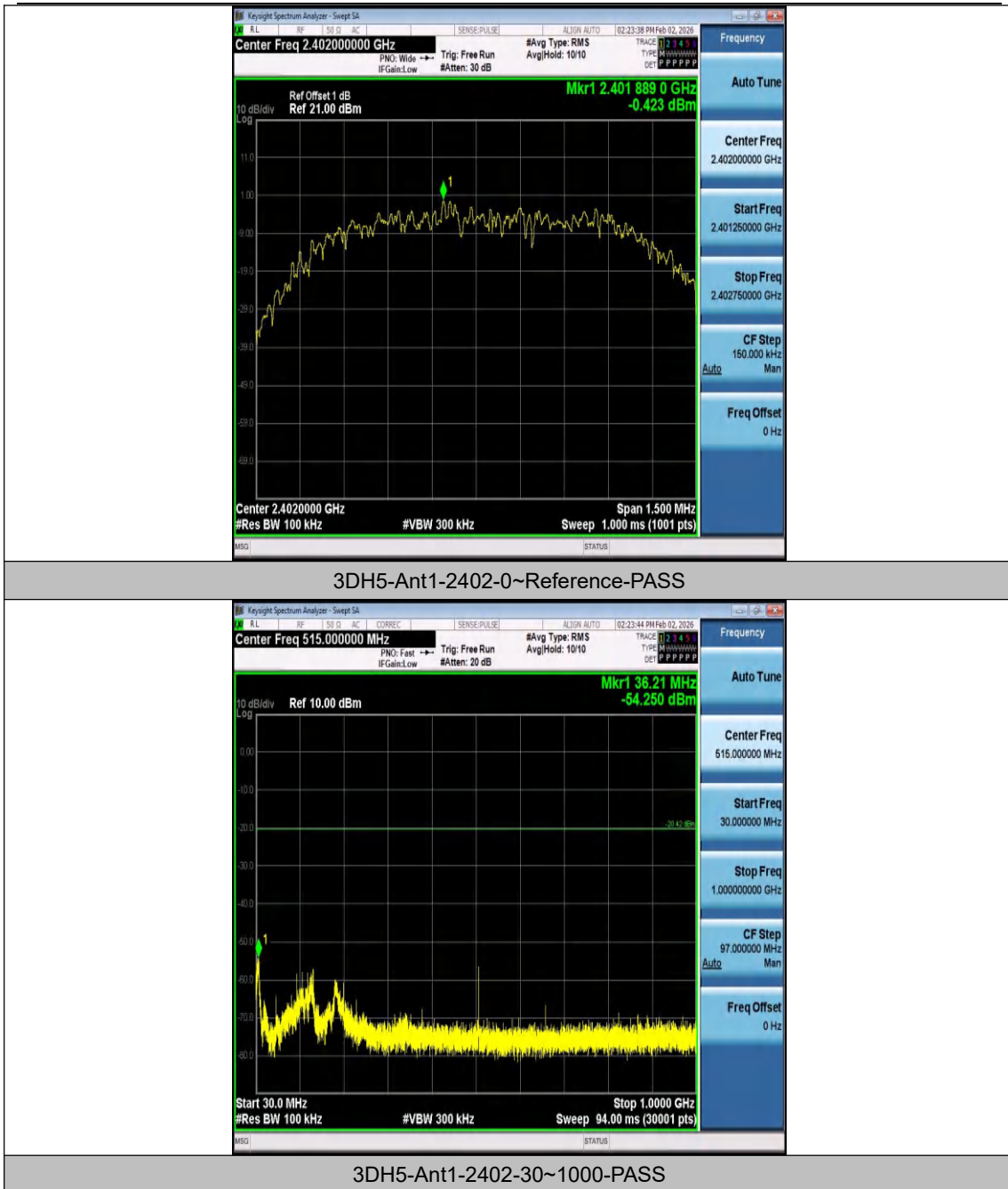




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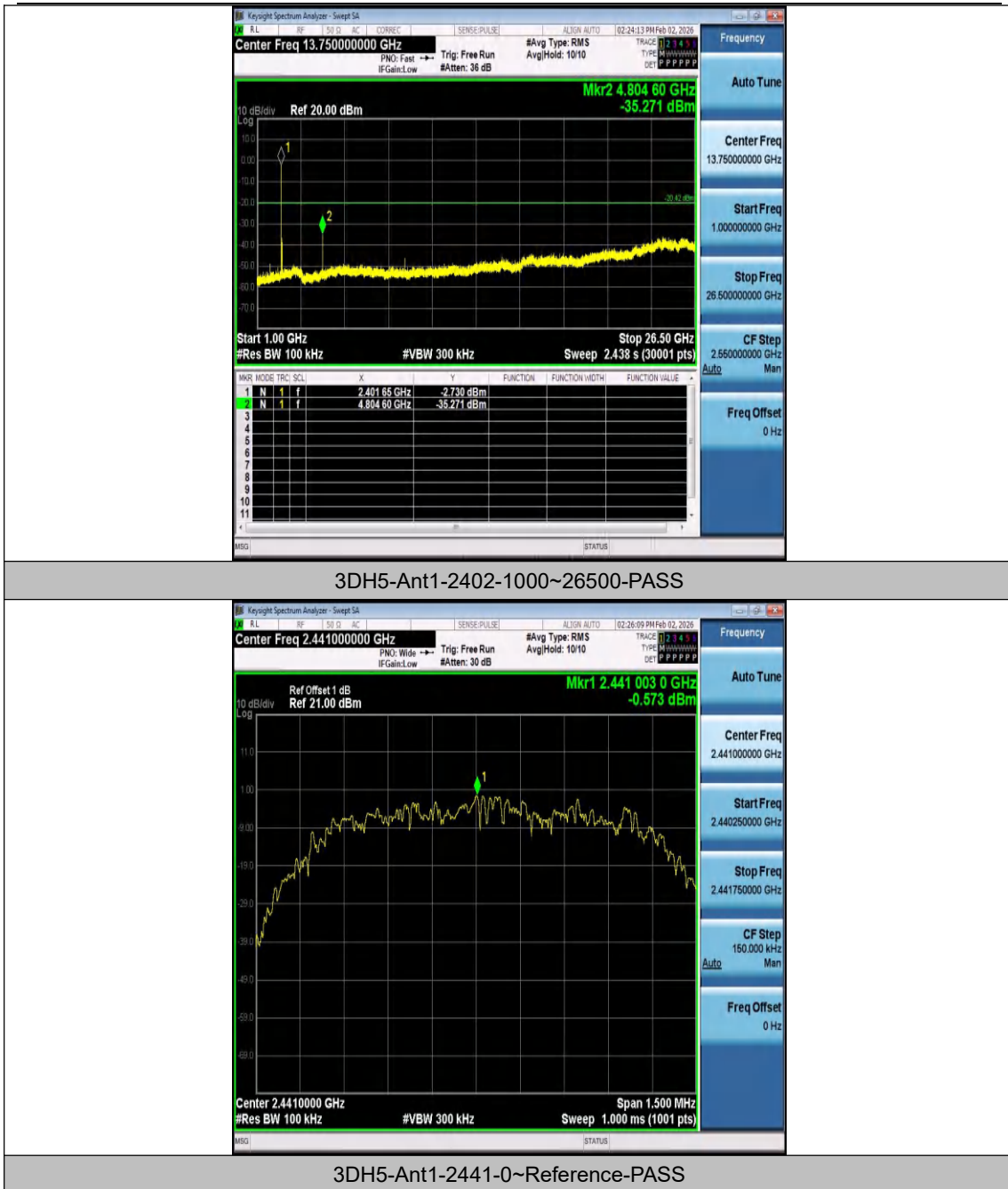
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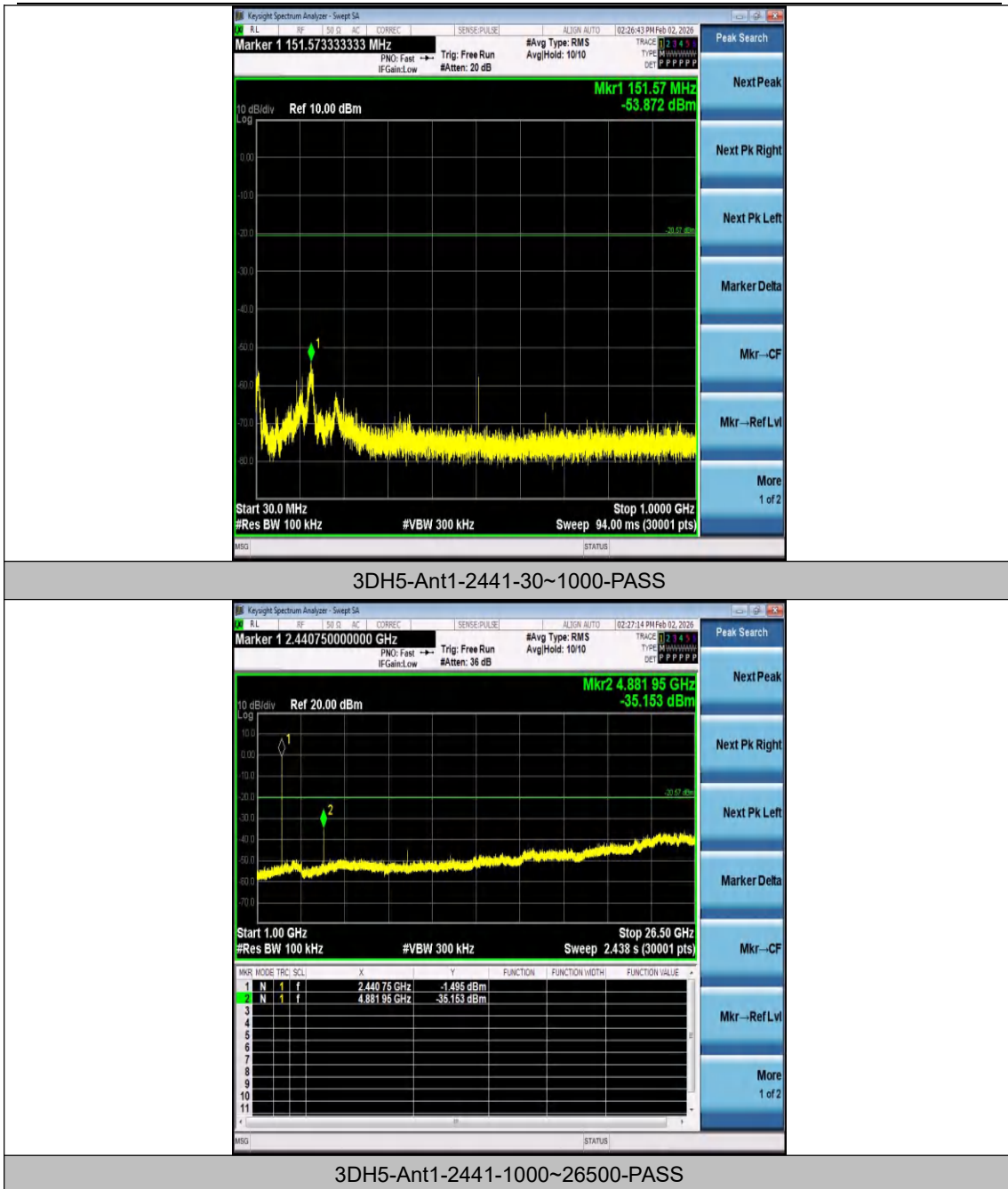
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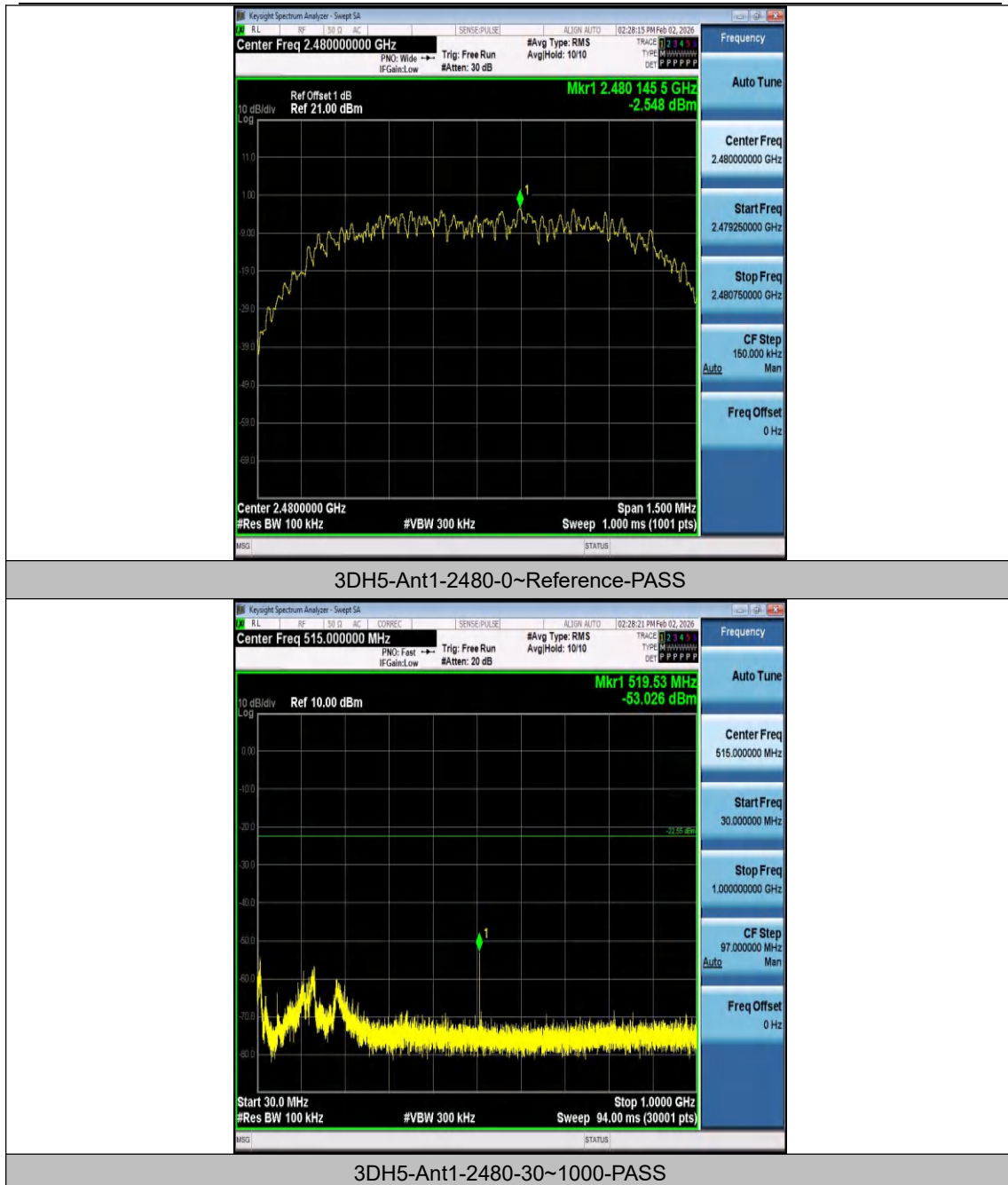
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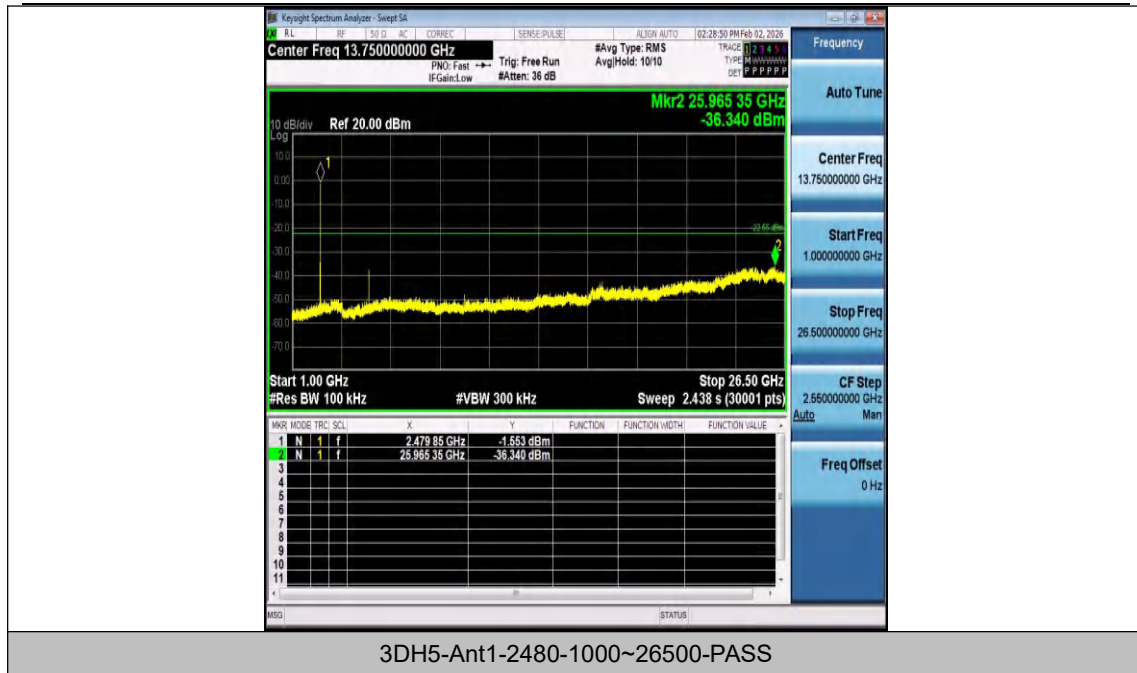
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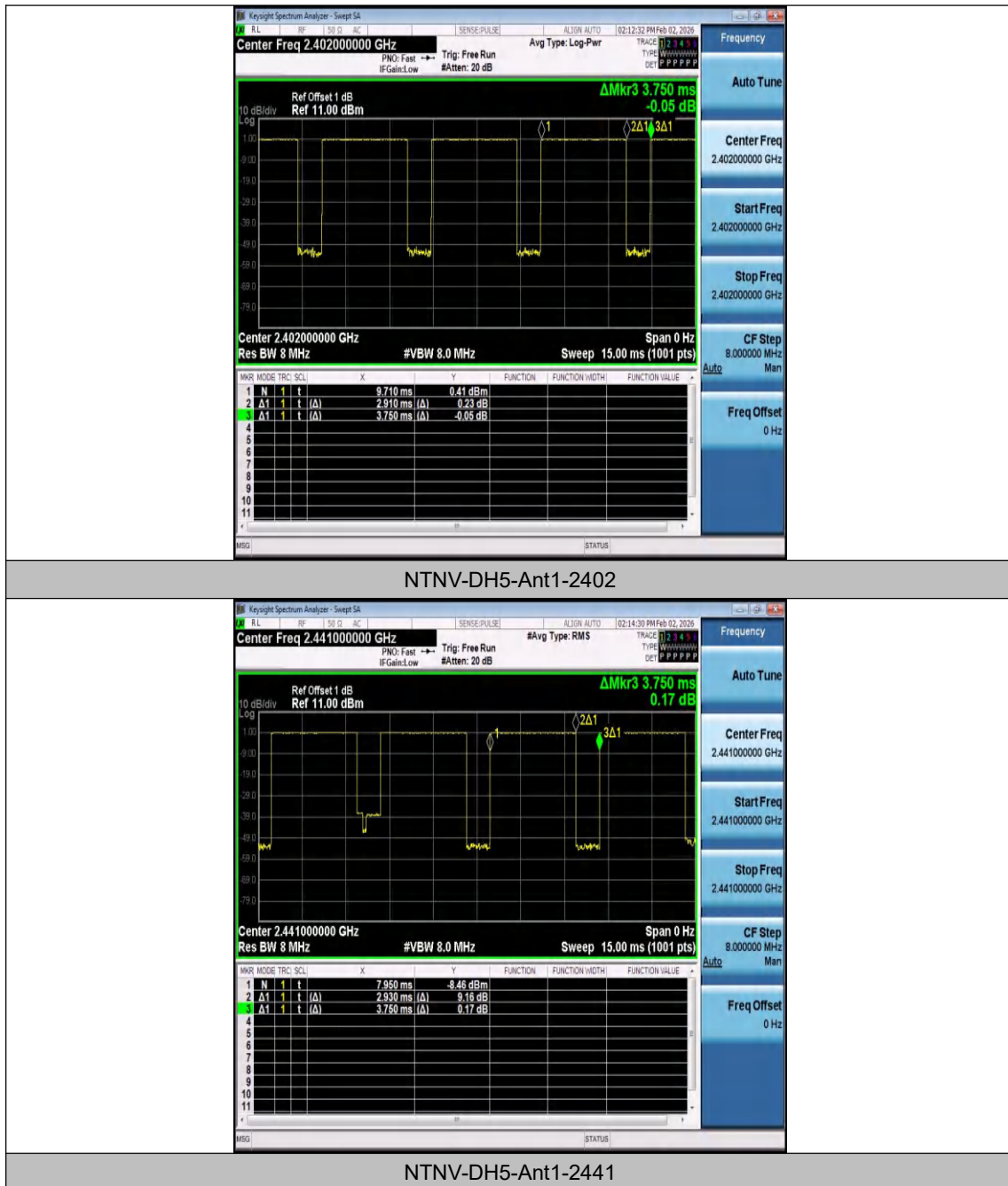
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Appendix I: Duty Cycle

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

Test Graphs



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