

Appendix Test Data

Report No.:	1812C50386312501	Test Sample No.:	1-2-2
Start Test Date:	2025-8-6	Finish Test Date:	2025-9-5
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25°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	0.948	2401.520	2402.468	---	---
DH5	Ant1	2441	0.948	2440.508	2441.456	---	---
DH5	Ant1	2480	0.945	2479.514	2480.459	---	---
2DH5	Ant1	2402	1.275	2401.343	2402.618	---	---
2DH5	Ant1	2441	1.314	2440.313	2441.627	---	---
2DH5	Ant1	2480	1.314	2479.313	2480.627	---	---
3DH5	Ant1	2402	1.278	2401.343	2402.621	---	---
3DH5	Ant1	2441	1.272	2440.358	2441.630	---	---
3DH5	Ant1	2480	1.317	2479.310	2480.627	---	---

Test Graphs



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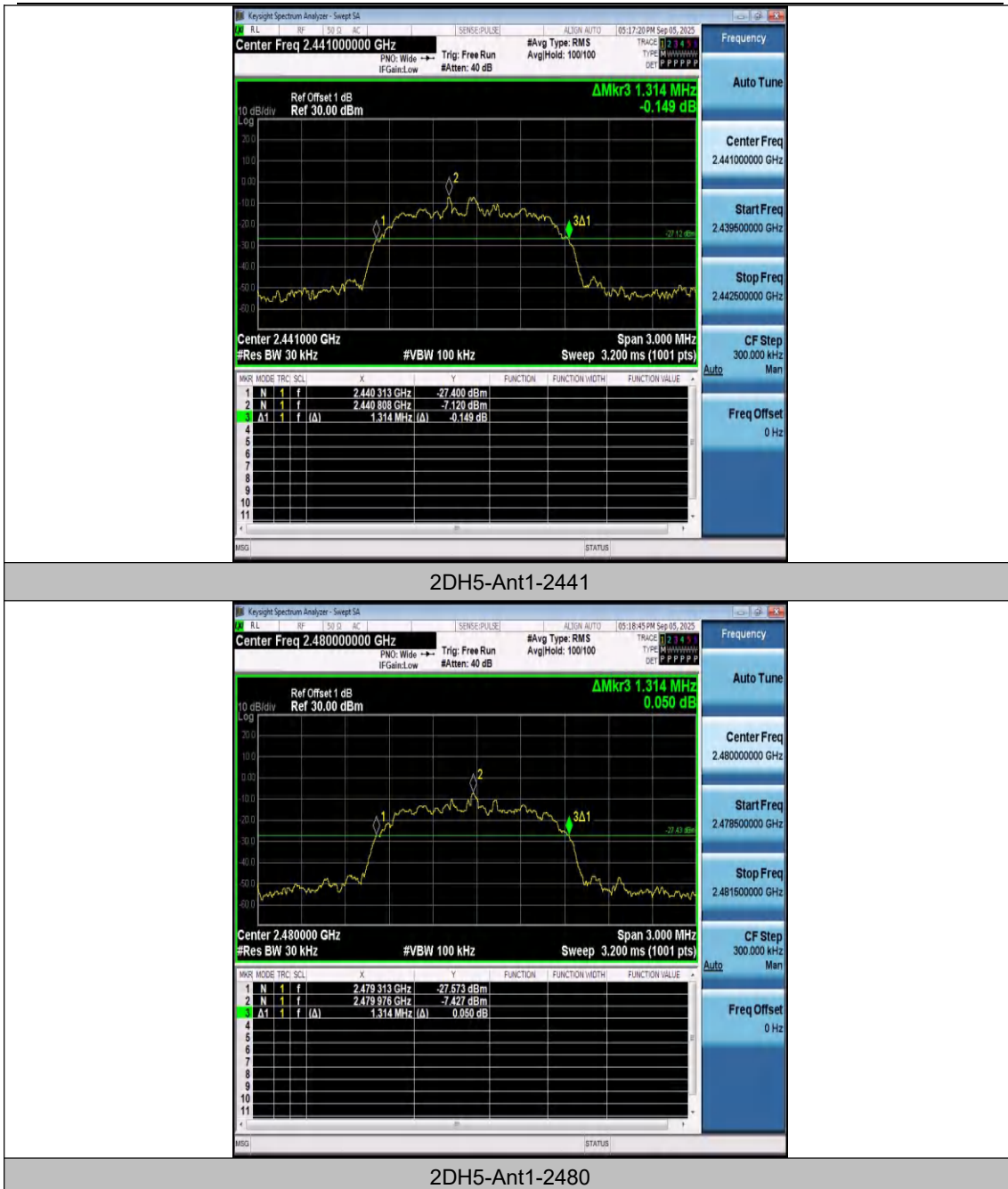
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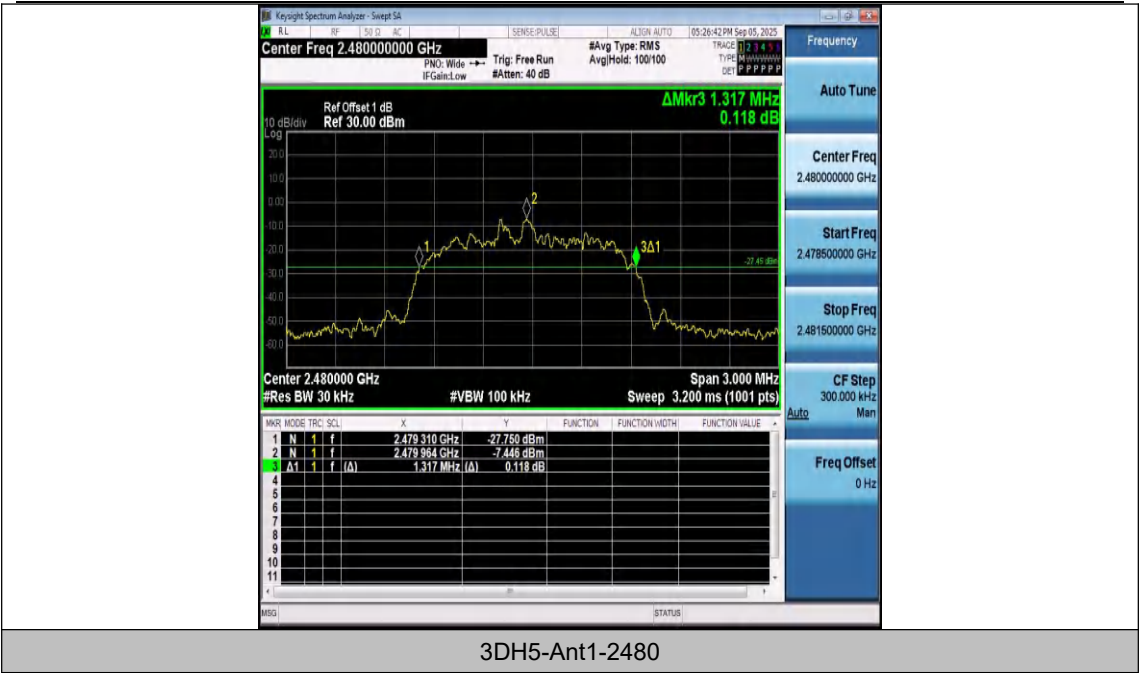
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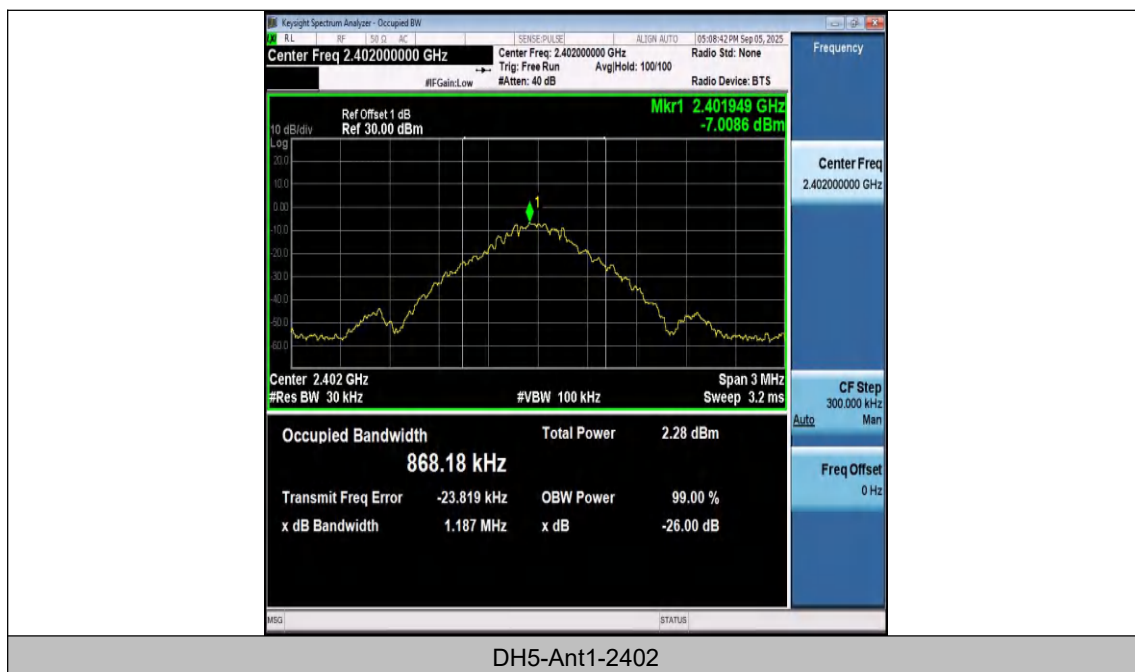
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86818	2401.5421	2402.4103	---	---
DH5	Ant1	2441	0.86335	2440.5357	2441.3991	---	---
DH5	Ant1	2480	0.85160	2479.5406	2480.3922	---	---
2DH5	Ant1	2402	1.1814	2401.3813	2402.5627	---	---
2DH5	Ant1	2441	1.1844	2440.3797	2441.5641	---	---
2DH5	Ant1	2480	1.1846	2479.3772	2480.5618	---	---
3DH5	Ant1	2402	1.1729	2401.3812	2402.5541	---	---
3DH5	Ant1	2441	1.1716	2440.3868	2441.5584	---	---
3DH5	Ant1	2480	1.1855	2479.3742	2480.5597	---	---

Test Graphs





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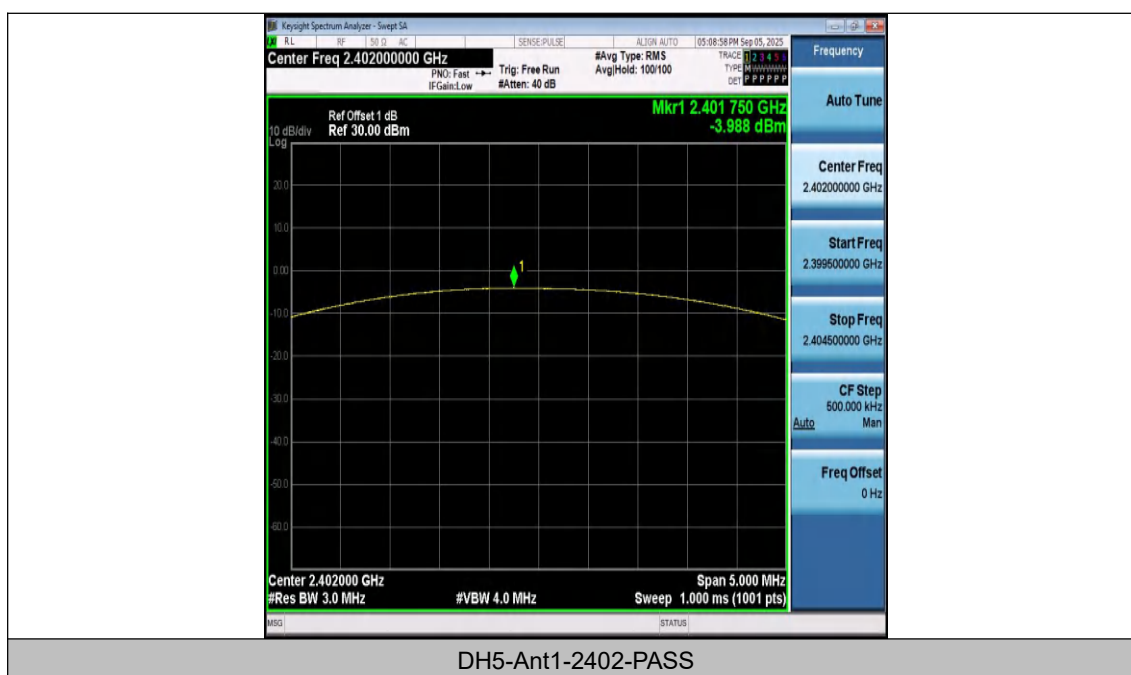
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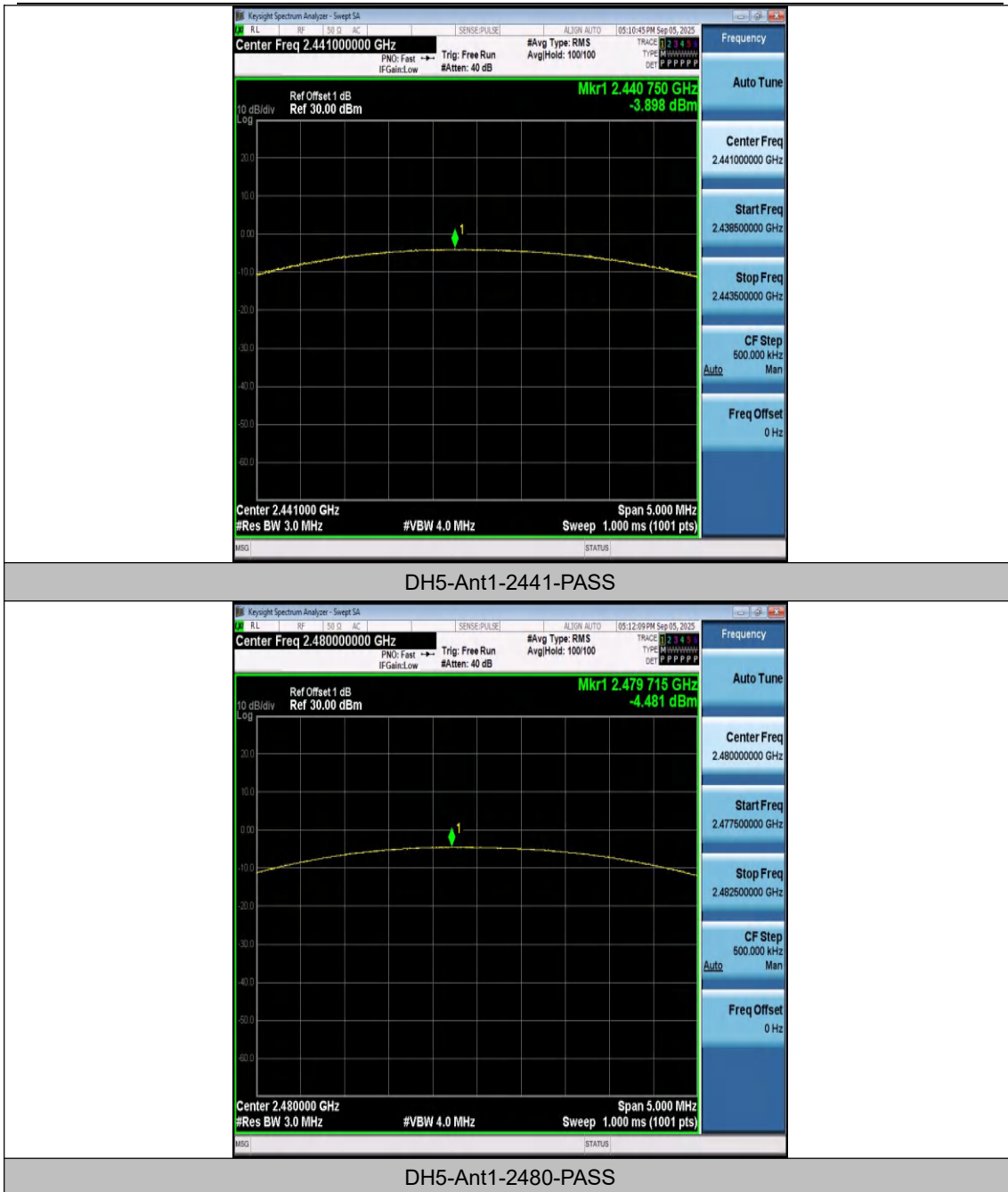
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.99	≤20.97	PASS
DH5	Ant1	2441	-3.90	≤20.97	PASS
DH5	Ant1	2480	-4.48	≤20.97	PASS
2DH5	Ant1	2402	-3.59	≤20.97	PASS
2DH5	Ant1	2441	-3.50	≤20.97	PASS
2DH5	Ant1	2480	-3.81	≤20.97	PASS
3DH5	Ant1	2402	-3.42	≤20.97	PASS
3DH5	Ant1	2441	-3.31	≤20.97	PASS
3DH5	Ant1	2480	-3.64	≤20.97	PASS

Test Graphs

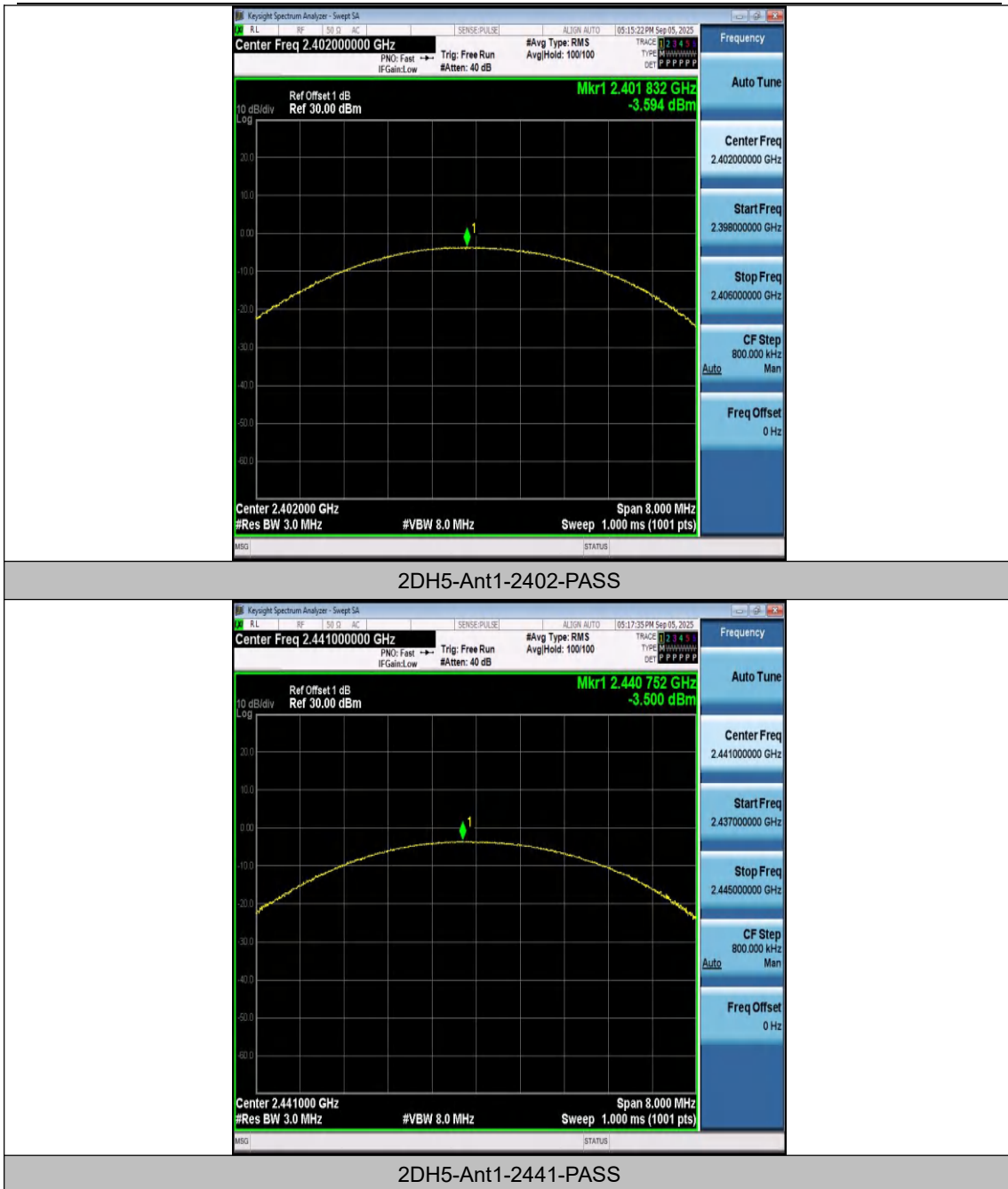




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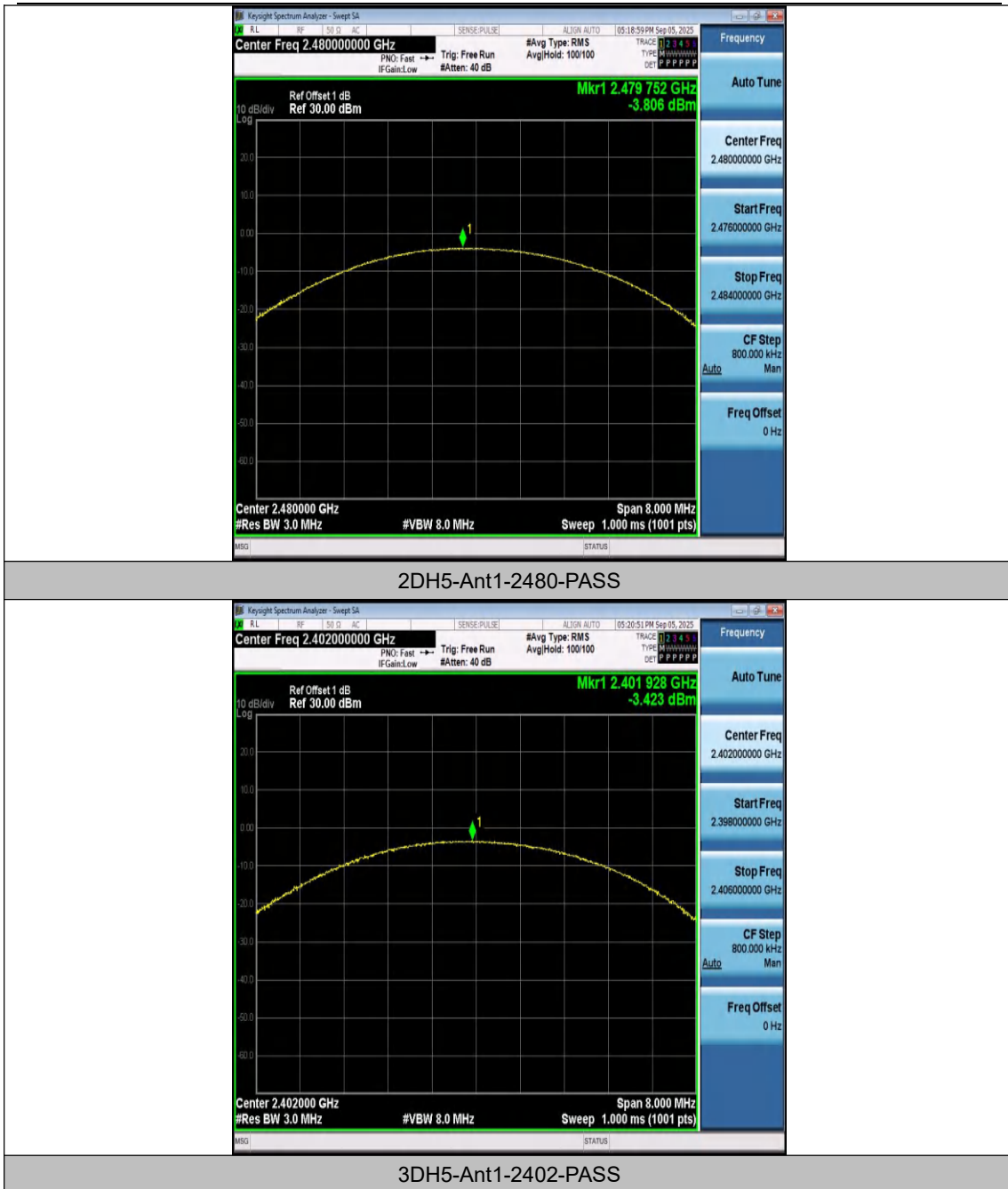
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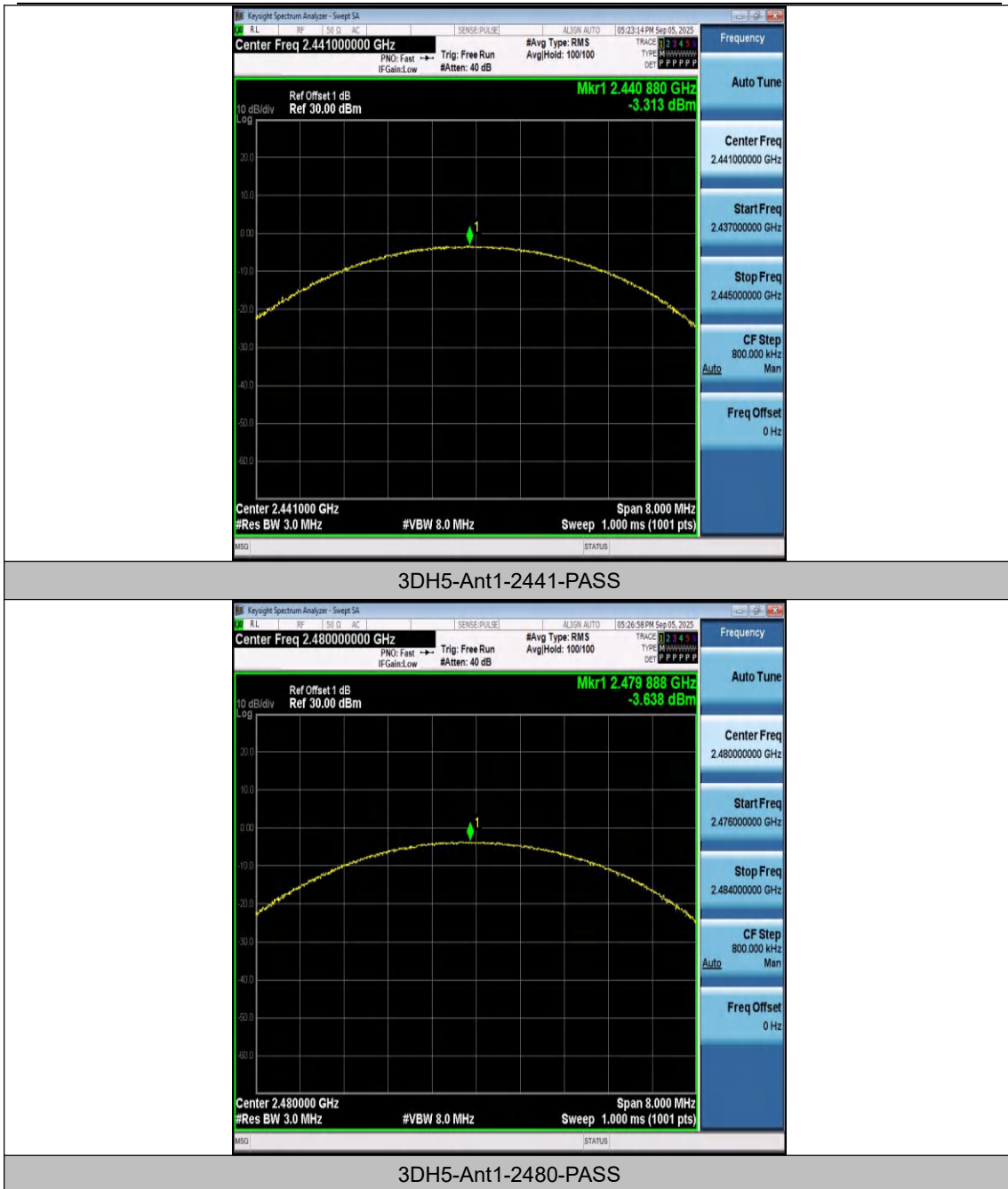
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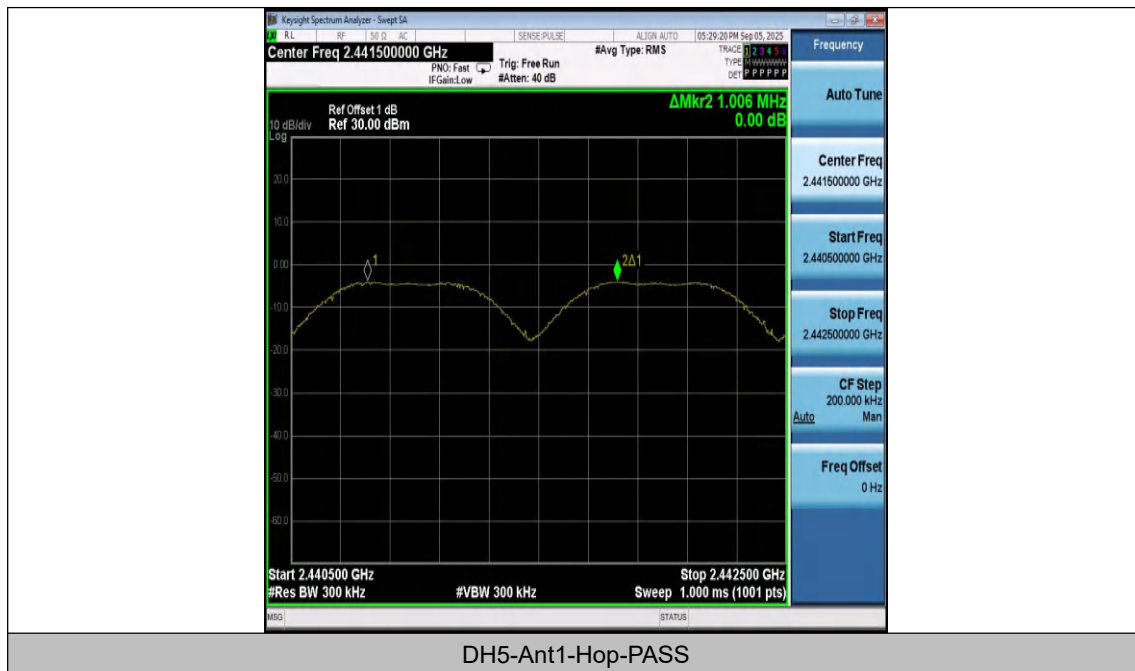
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥0.948	PASS
2DH5	Ant1	Hop	1.008	≥0.876	PASS
3DH5	Ant1	Hop	0.978	≥0.878	PASS

Test Graphs





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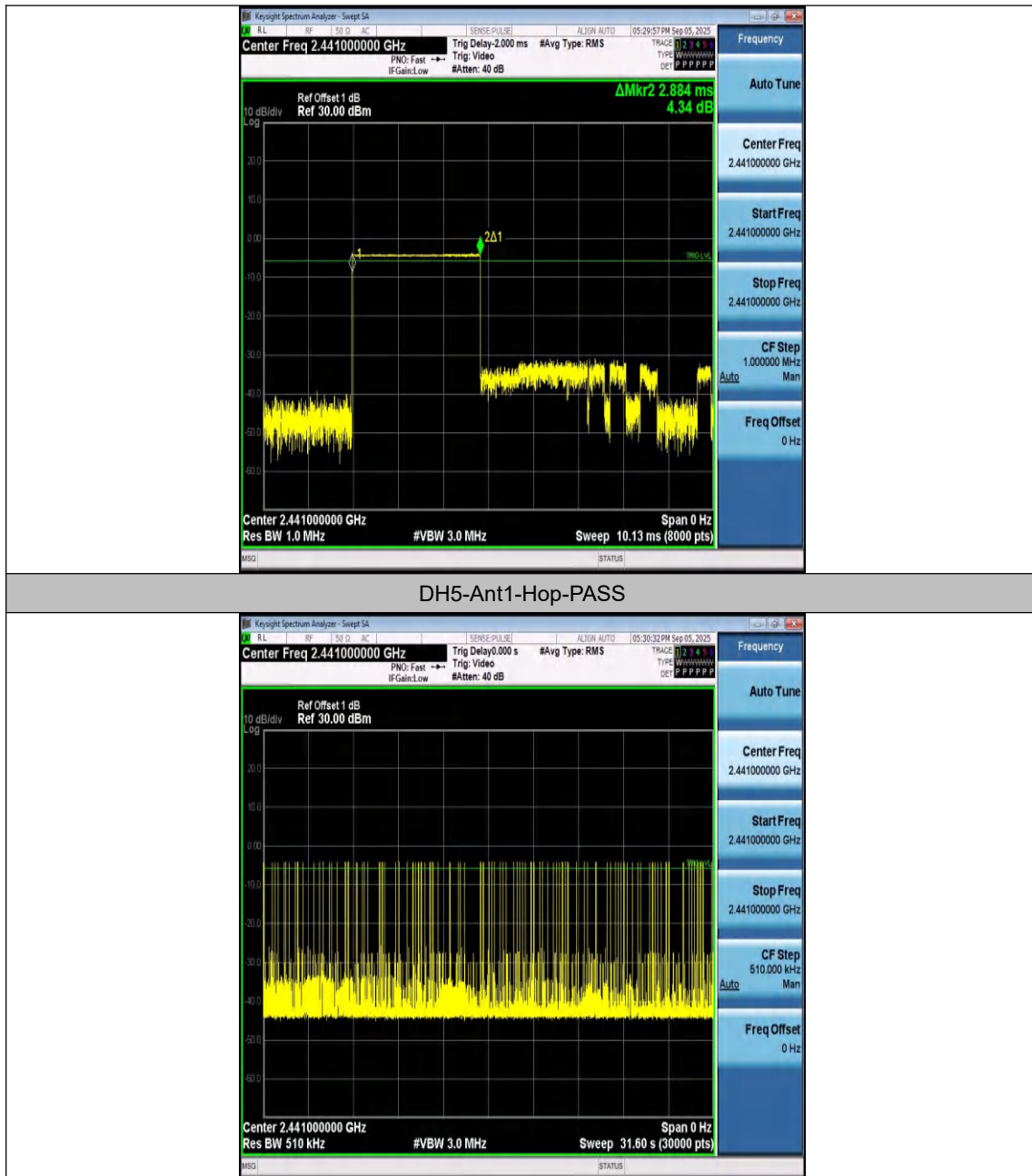
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.884	114	0.329	≤0.4	PASS
2DH5	Ant1	Hop	2.891	110	0.318	≤0.4	PASS
3DH5	Ant1	Hop	0.894	104	0.093	≤0.4	PASS

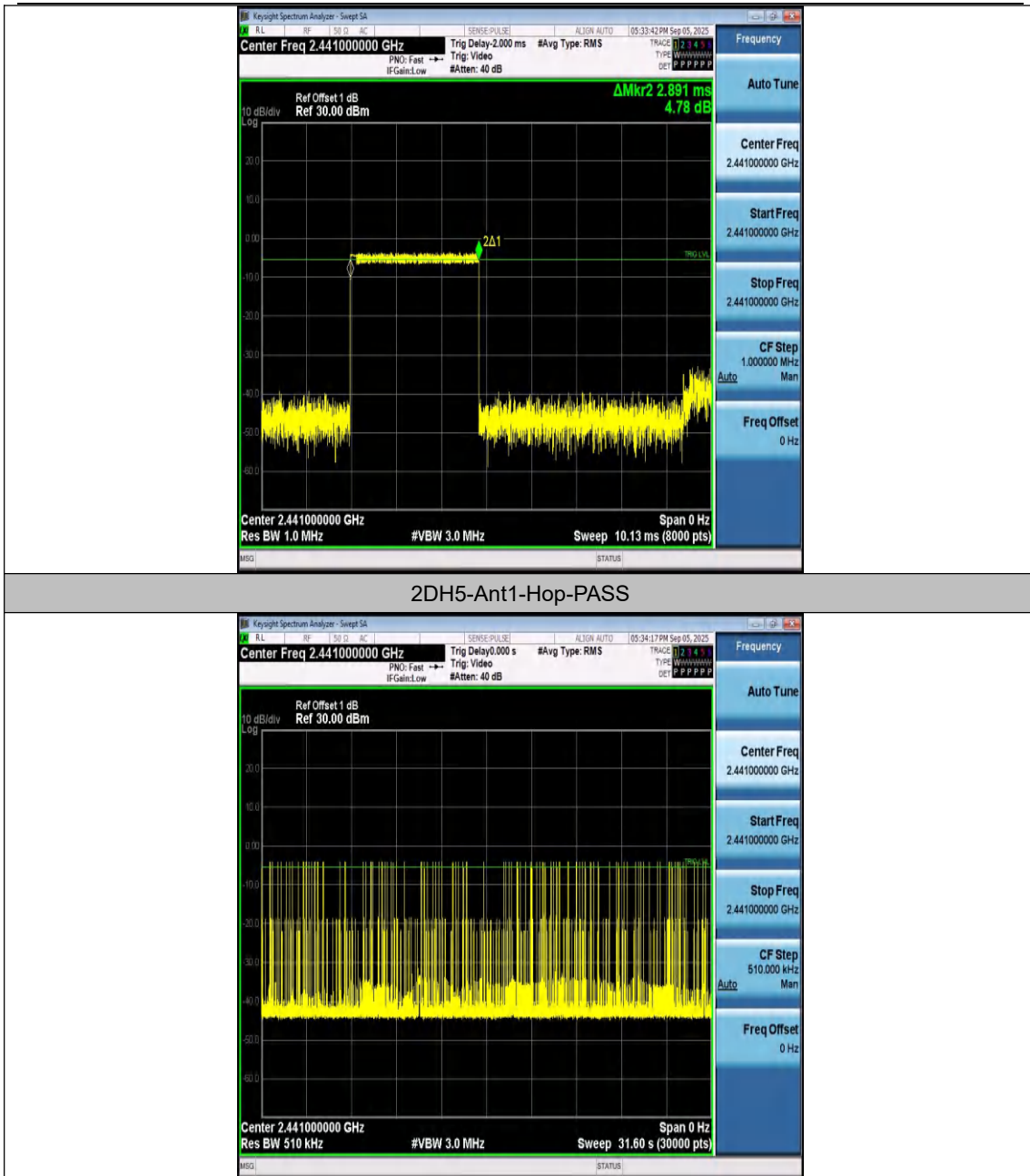
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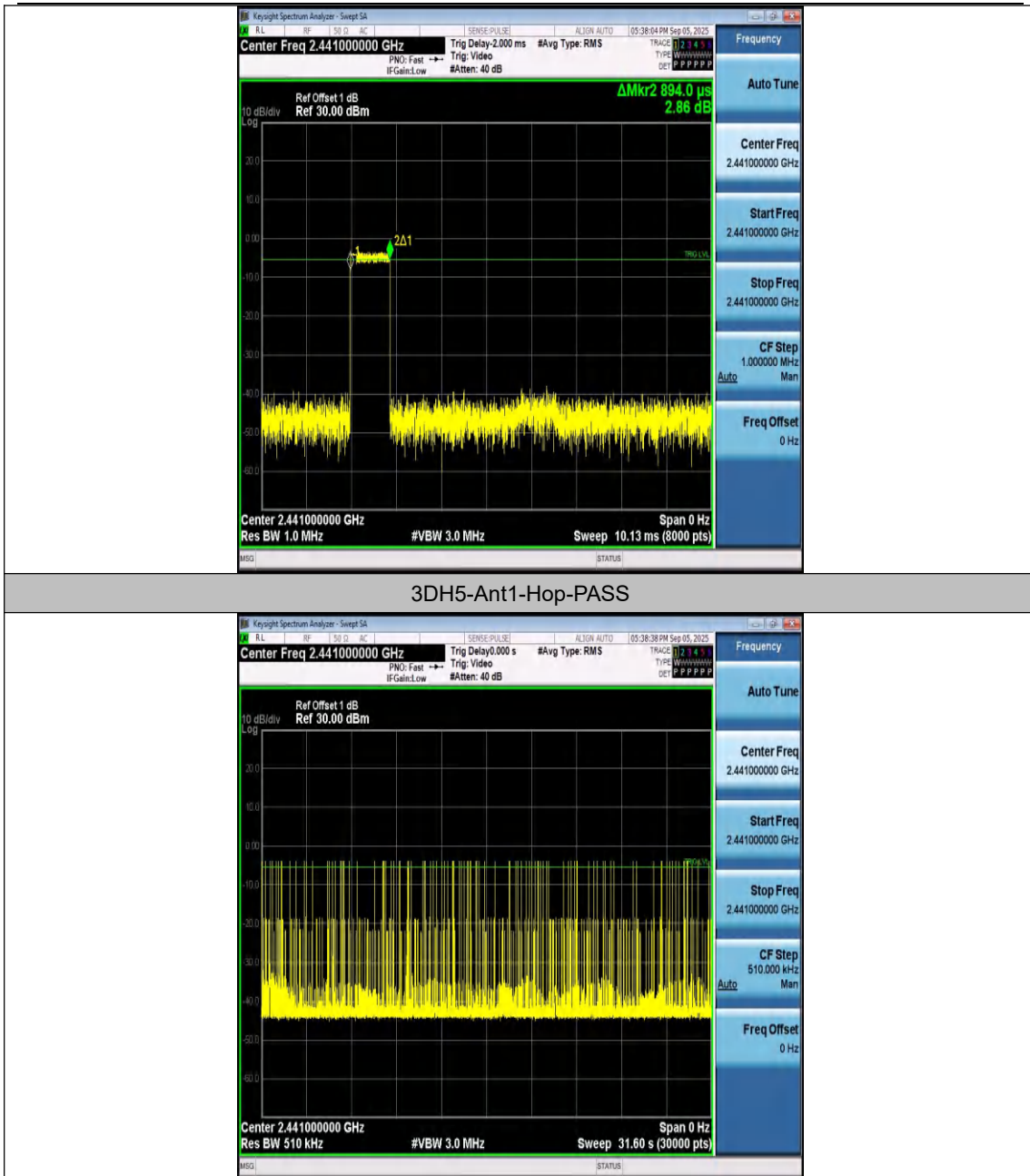
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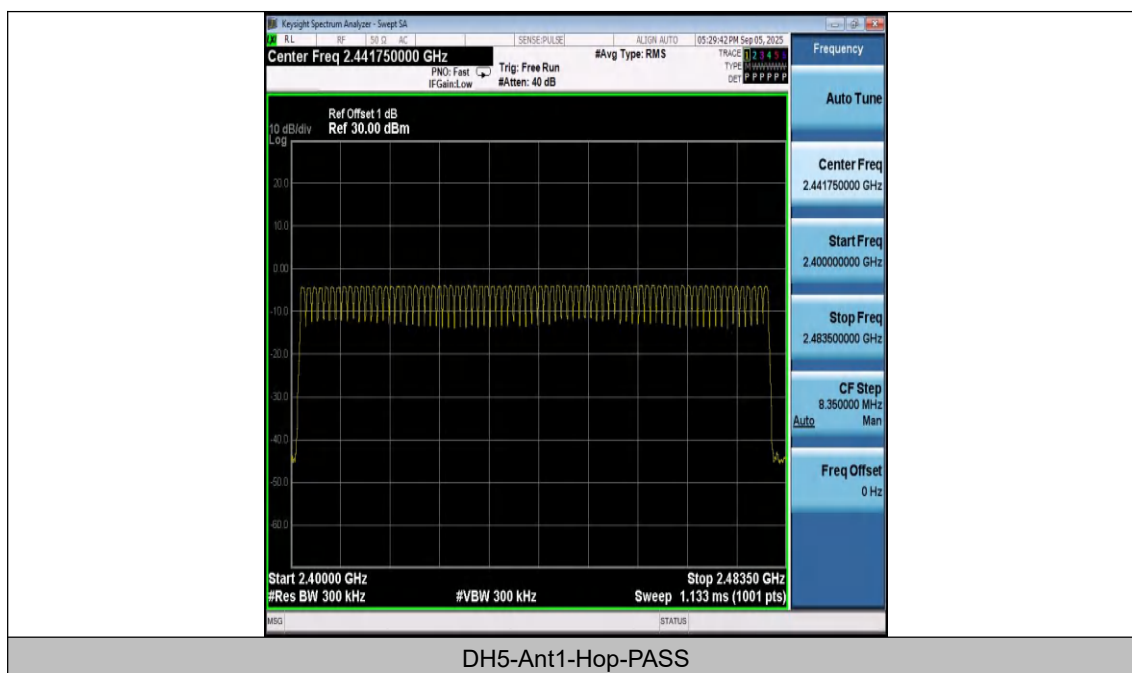
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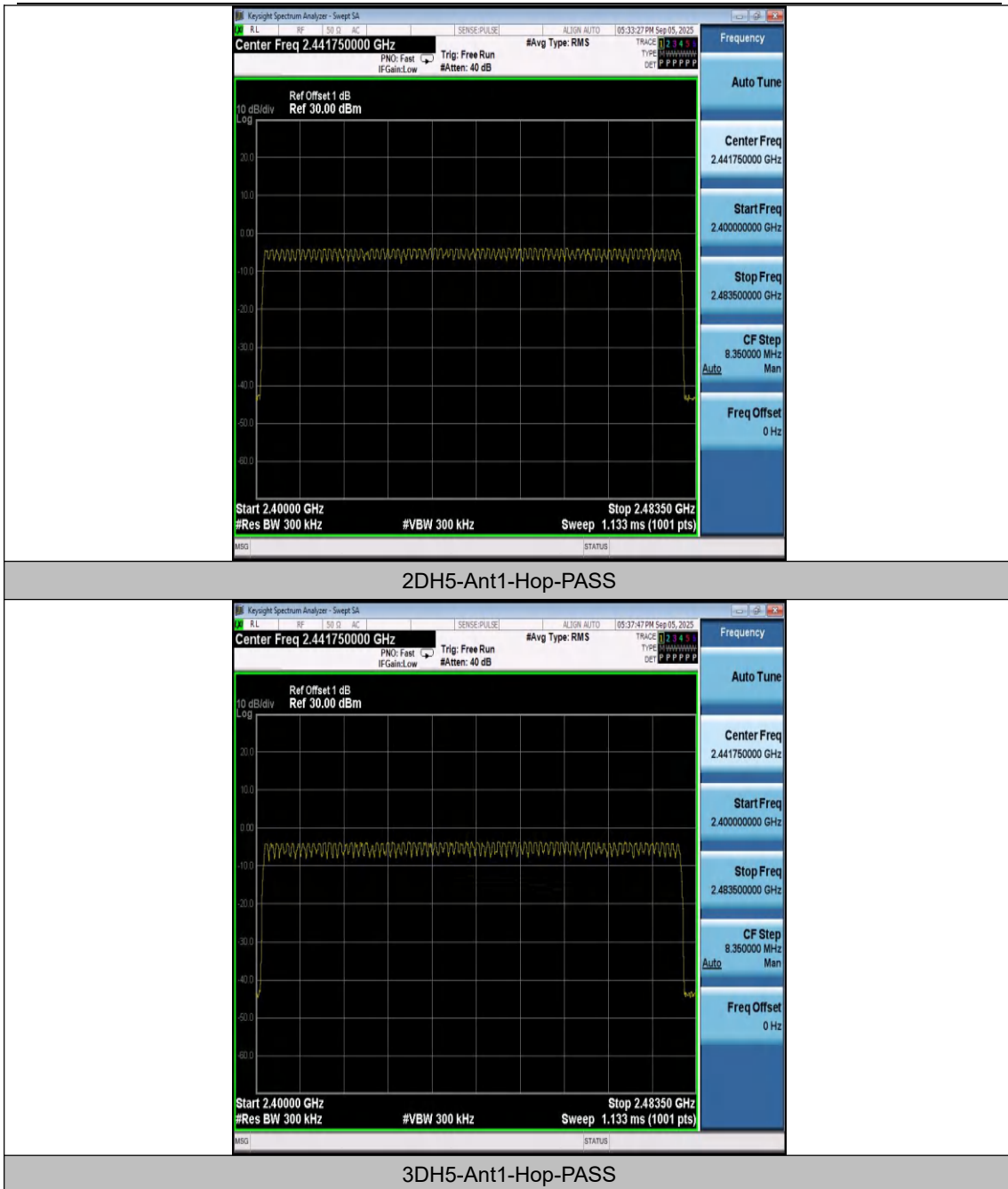
Appendix F: Number of Hopping Channel

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

Test Graphs





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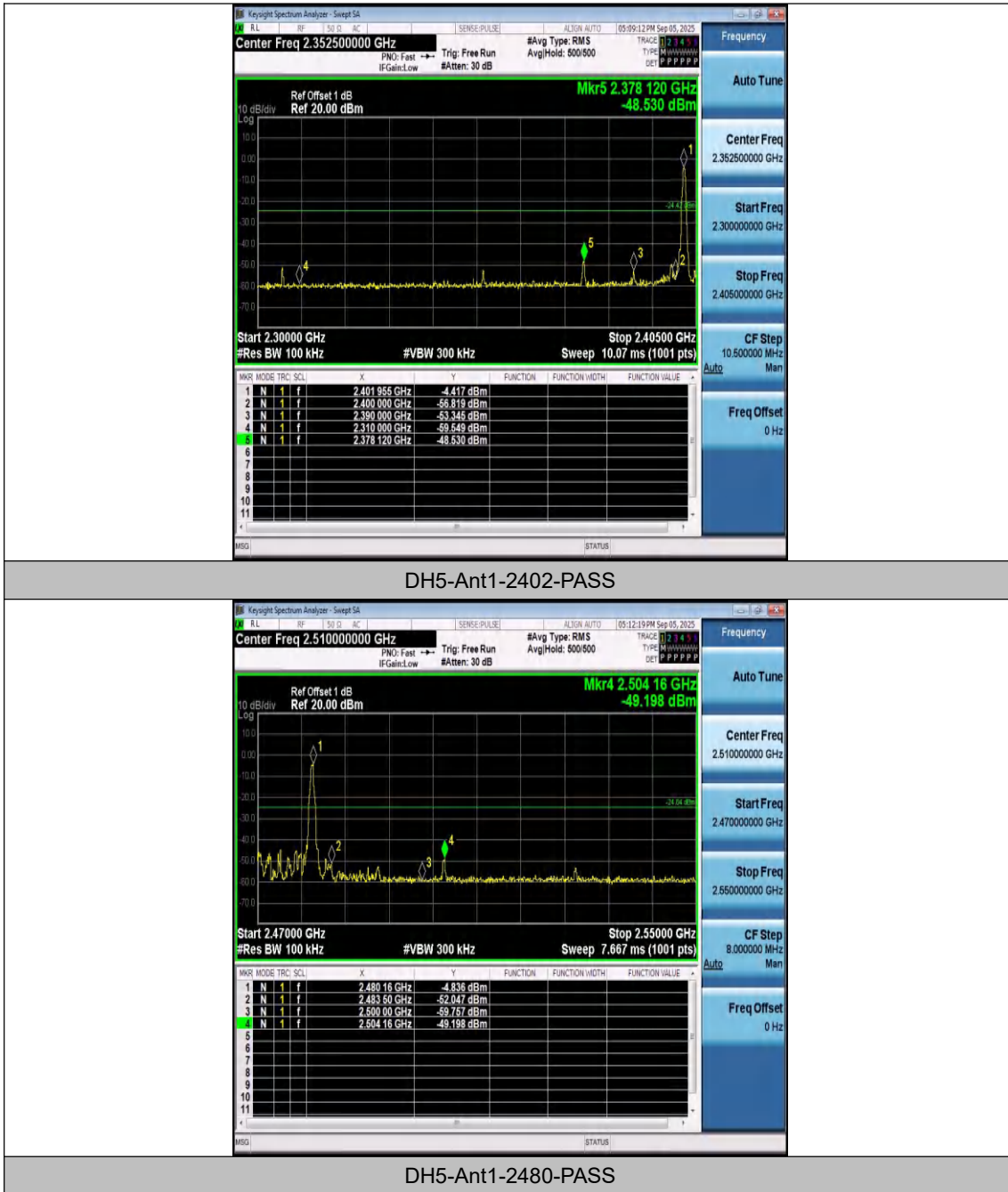
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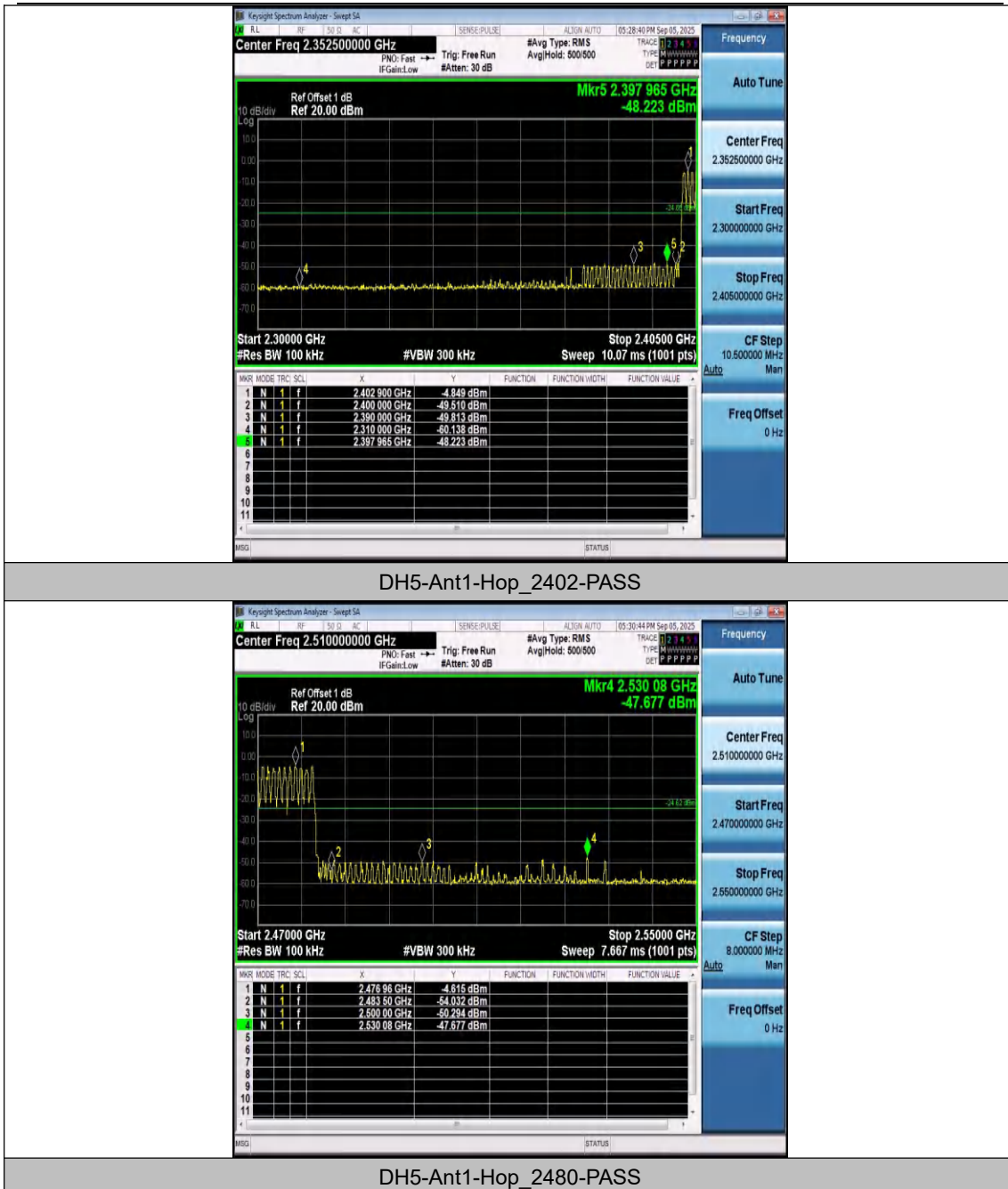
Appendix G: Conducted Band edge

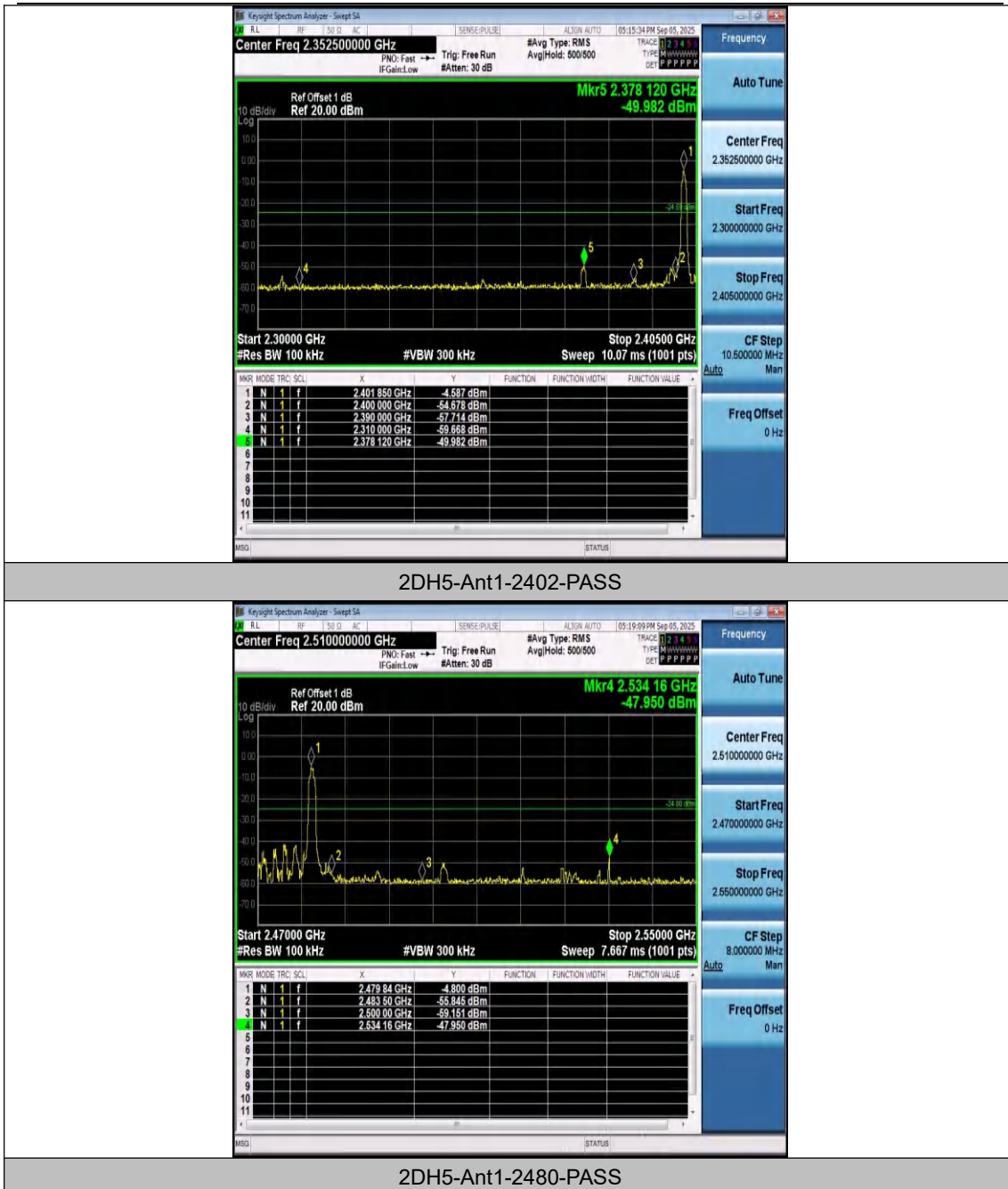
Test Result

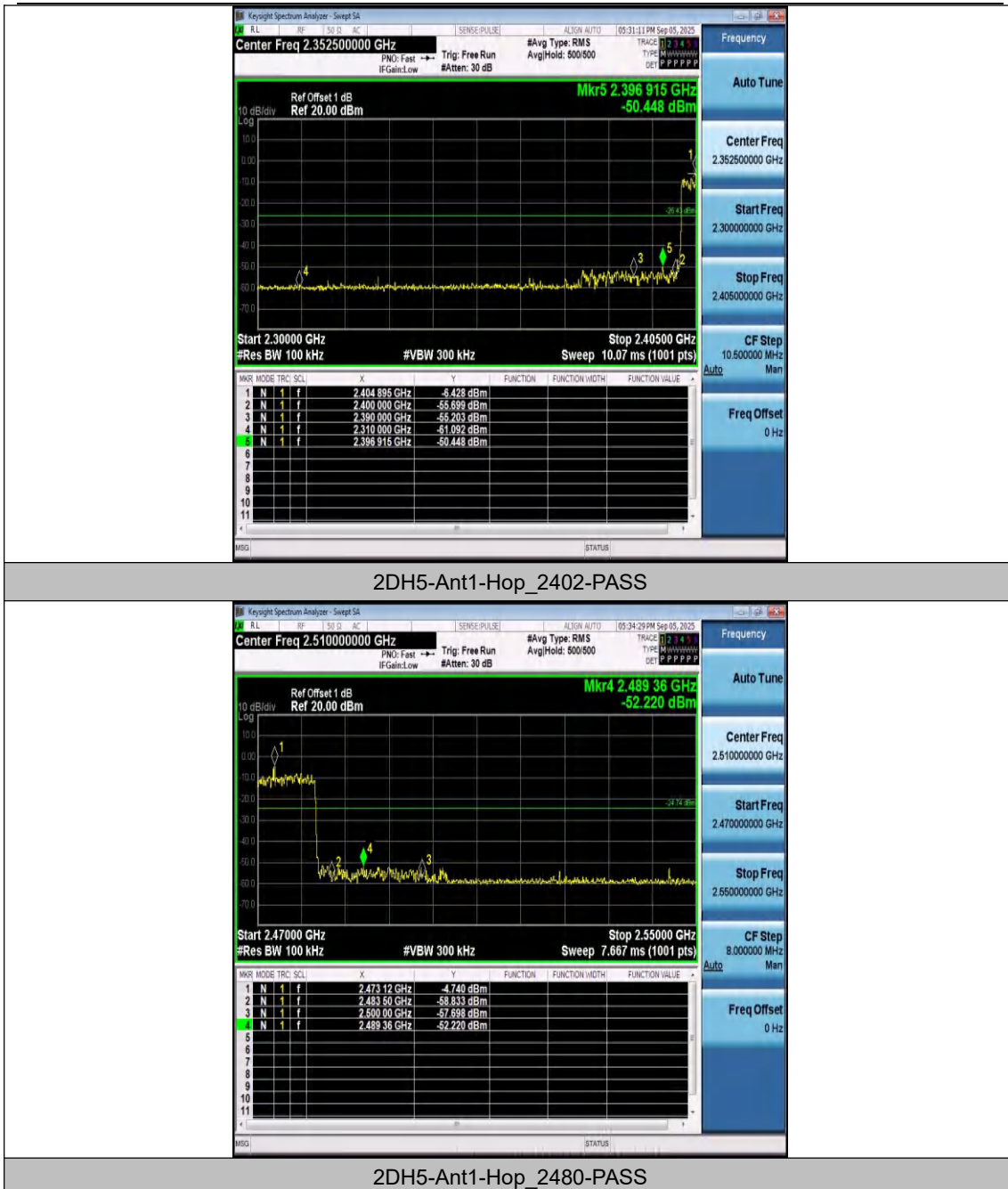
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.42	-48.53	≤-24.42	PASS
DH5	Ant1	High	2480	-4.84	-49.2	≤-24.84	PASS
DH5	Ant1	Low	Hop_2402	-4.85	-48.22	≤-24.85	PASS
DH5	Ant1	High	Hop_2480	-4.62	-47.68	≤-24.62	PASS
2DH5	Ant1	Low	2402	-4.59	-49.98	≤-24.59	PASS
2DH5	Ant1	High	2480	-4.80	-47.95	≤-24.8	PASS
2DH5	Ant1	Low	Hop_2402	-6.43	-50.45	≤-26.43	PASS
2DH5	Ant1	High	Hop_2480	-4.74	-52.22	≤-24.74	PASS
3DH5	Ant1	Low	2402	-4.51	-49.09	≤-24.51	PASS
3DH5	Ant1	High	2480	-4.69	-48.87	≤-24.69	PASS
3DH5	Ant1	Low	Hop_2402	-5.04	-48.67	≤-25.04	PASS
3DH5	Ant1	High	Hop_2480	-4.50	-49.71	≤-24.5	PASS

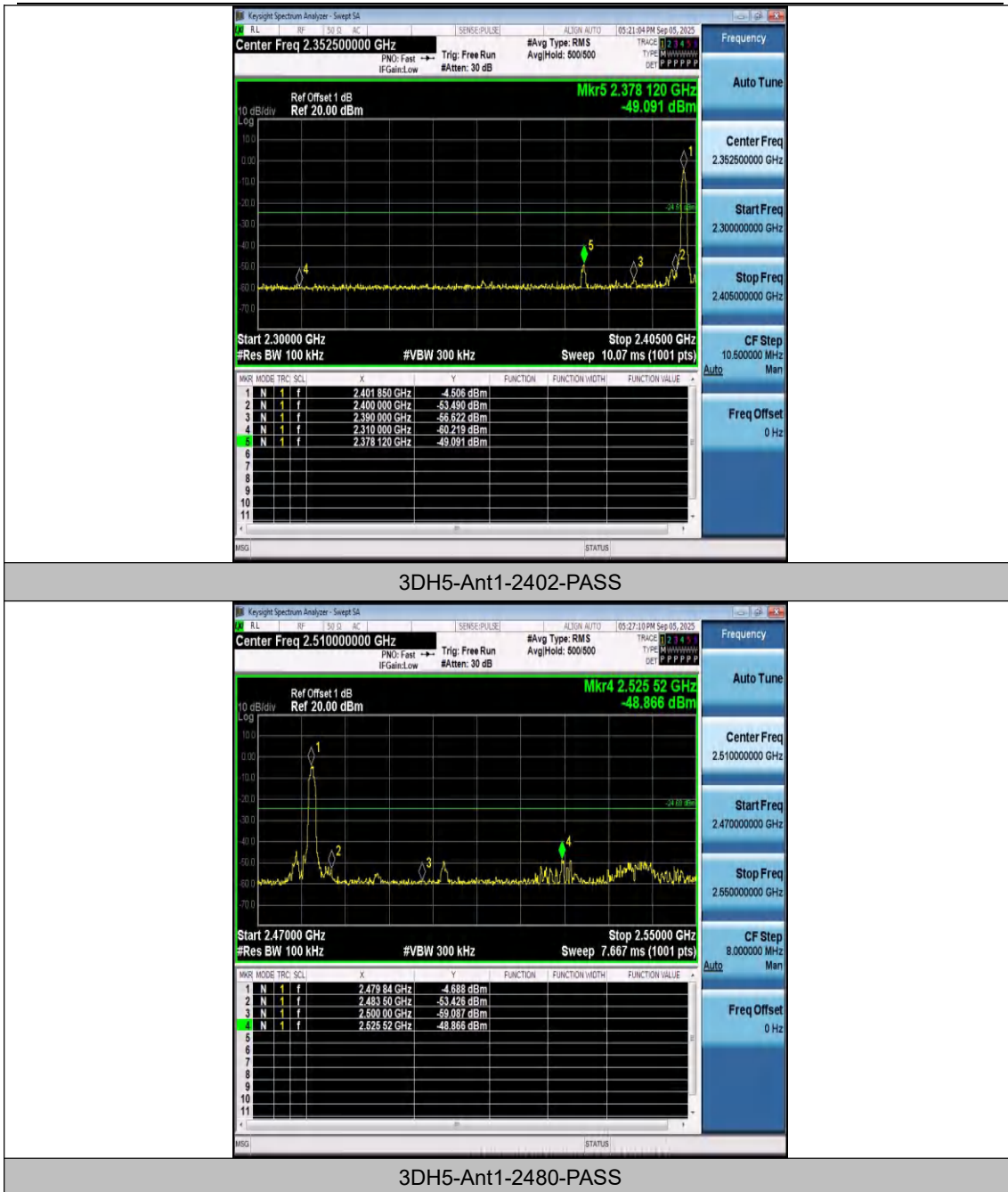
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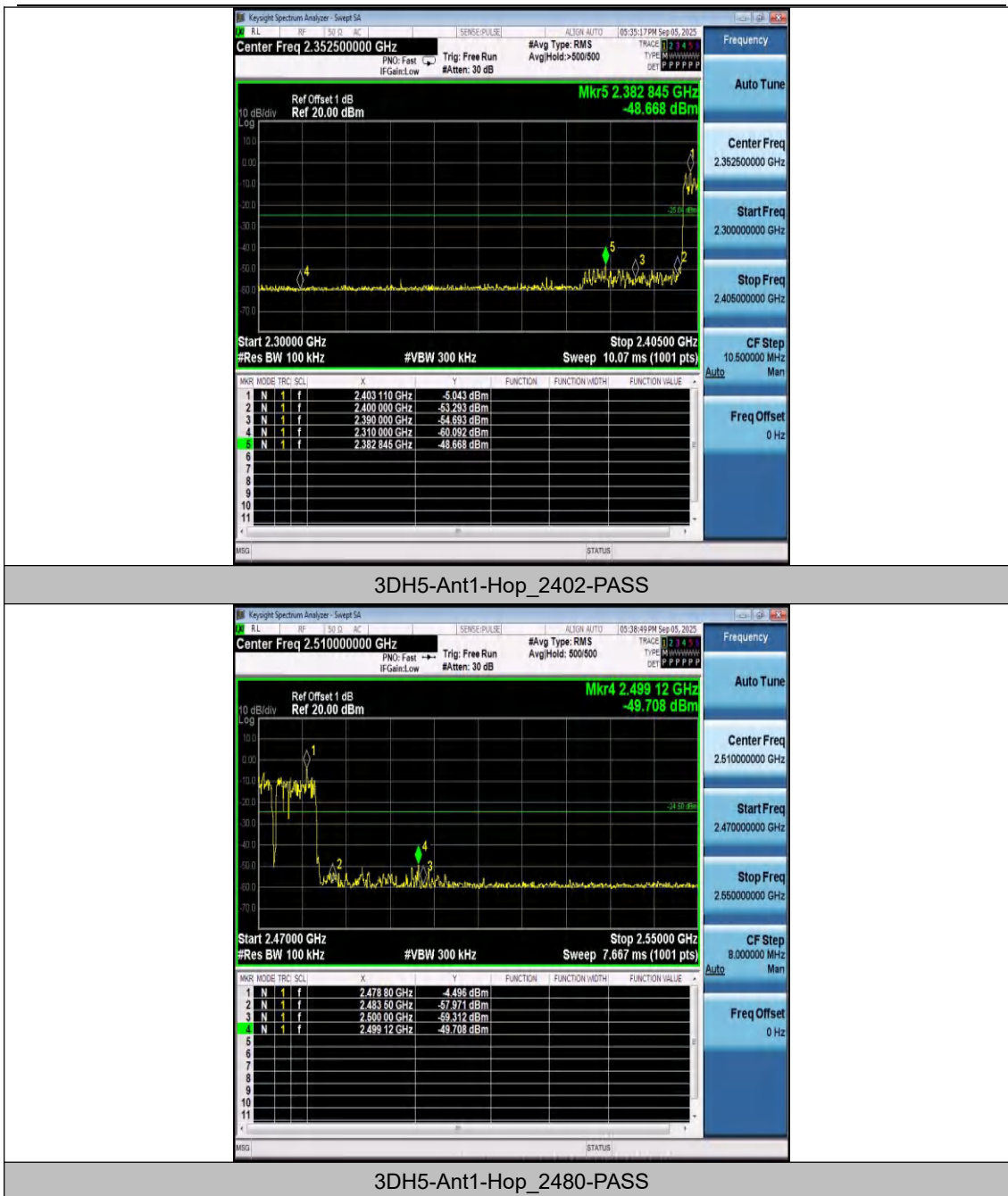












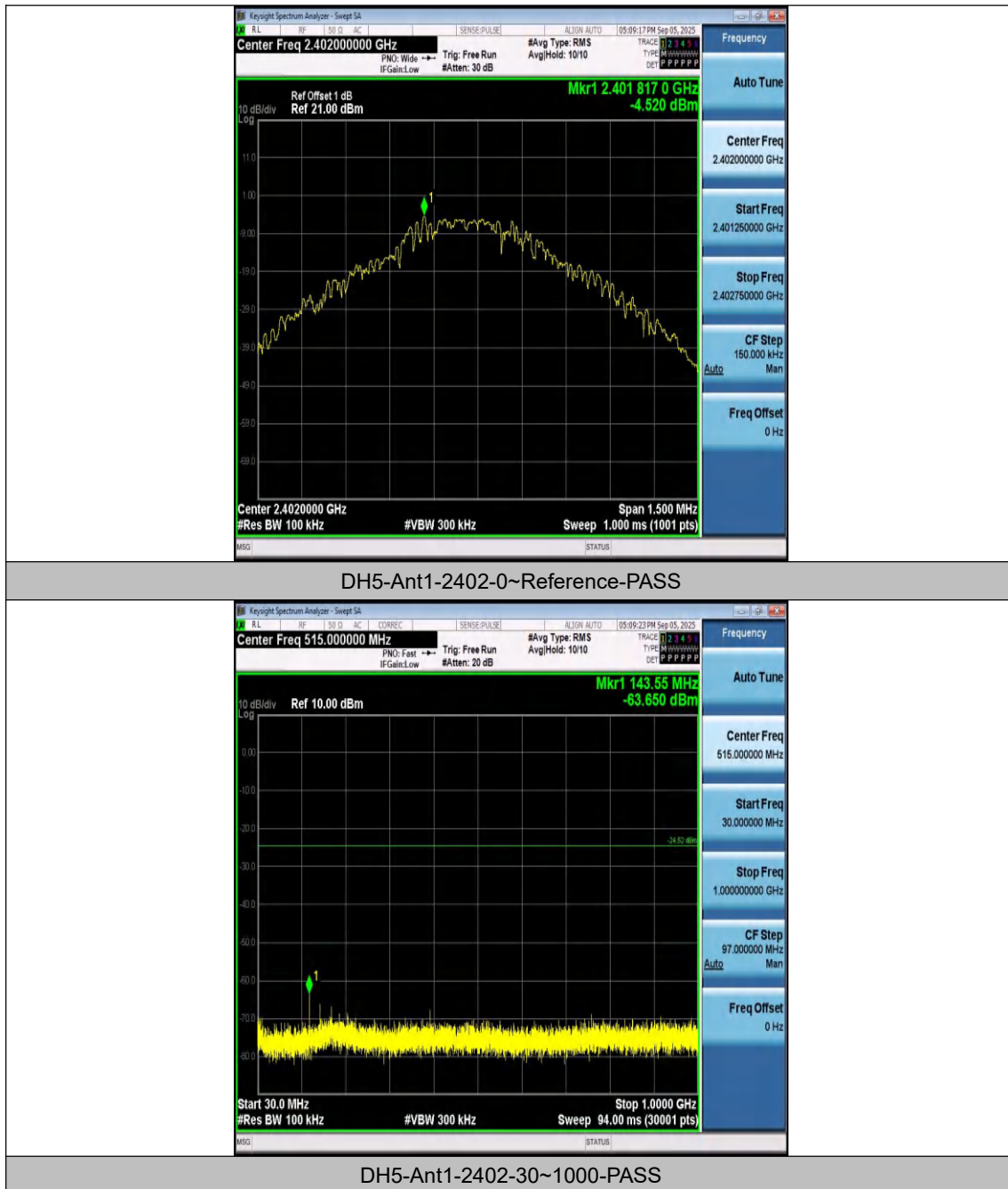
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.52	-4.52	---	PASS
DH5	Ant1	2402	30~1000	-4.52	-63.65	≤-24.52	PASS
DH5	Ant1	2402	1000~26500	-4.52	-46.94	≤-24.52	PASS
DH5	Ant1	2441	0~Reference	-5.10	-5.10	---	PASS
DH5	Ant1	2441	30~1000	-5.10	-53.56	≤-25.1	PASS
DH5	Ant1	2441	1000~26500	-5.10	-44.6	≤-25.1	PASS
DH5	Ant1	2480	0~Reference	-5.42	-5.42	---	PASS
DH5	Ant1	2480	30~1000	-5.42	-65.72	≤-25.42	PASS
DH5	Ant1	2480	1000~26500	-5.42	-47.97	≤-25.42	PASS
2DH5	Ant1	2402	0~Reference	-6.35	-6.35	---	PASS
2DH5	Ant1	2402	30~1000	-6.35	-65.54	≤-26.35	PASS
2DH5	Ant1	2402	1000~26500	-6.35	-46.63	≤-26.35	PASS
2DH5	Ant1	2441	0~Reference	-6.92	-6.92	---	PASS
2DH5	Ant1	2441	30~1000	-6.92	-65.36	≤-26.92	PASS
2DH5	Ant1	2441	1000~26500	-6.92	-47.05	≤-26.92	PASS
2DH5	Ant1	2480	0~Reference	-5.17	-5.17	---	PASS
2DH5	Ant1	2480	30~1000	-5.17	-66.24	≤-25.17	PASS
2DH5	Ant1	2480	1000~26500	-5.17	-47.87	≤-25.17	PASS
3DH5	Ant1	2402	0~Reference	-7.49	-7.49	---	PASS
3DH5	Ant1	2402	30~1000	-7.49	-65.3	≤-27.49	PASS
3DH5	Ant1	2402	1000~26500	-7.49	-46.82	≤-27.49	PASS
3DH5	Ant1	2441	0~Reference	-5.36	-5.36	---	PASS
3DH5	Ant1	2441	30~1000	-5.36	-64.83	≤-25.36	PASS
3DH5	Ant1	2441	1000~26500	-5.36	-47.38	≤-25.36	PASS
3DH5	Ant1	2480	0~Reference	-6.17	-6.17	---	PASS
3DH5	Ant1	2480	30~1000	-6.17	-66.71	≤-26.17	PASS
3DH5	Ant1	2480	1000~26500	-6.17	-29.51	≤-26.17	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.

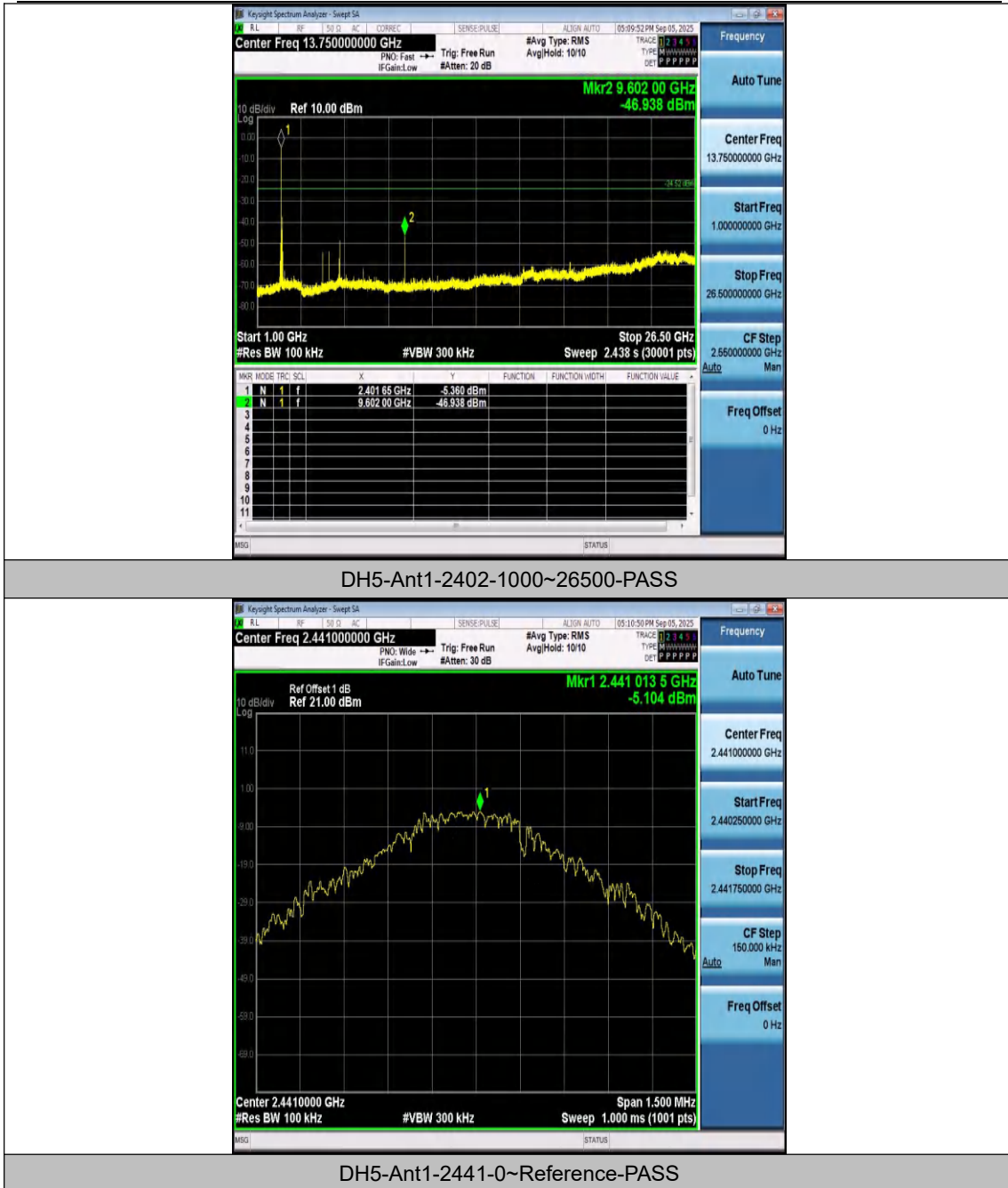
Test Graphs



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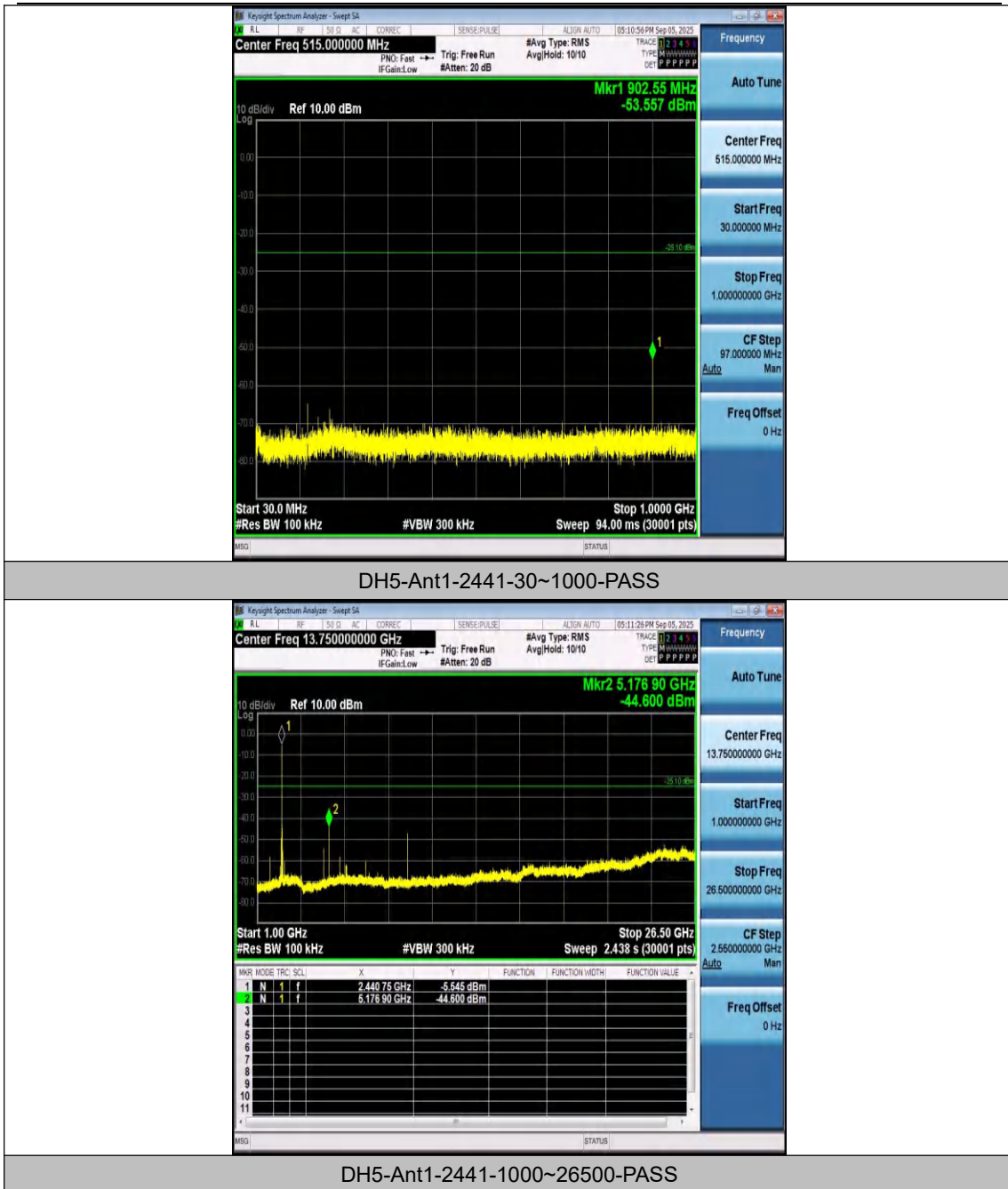
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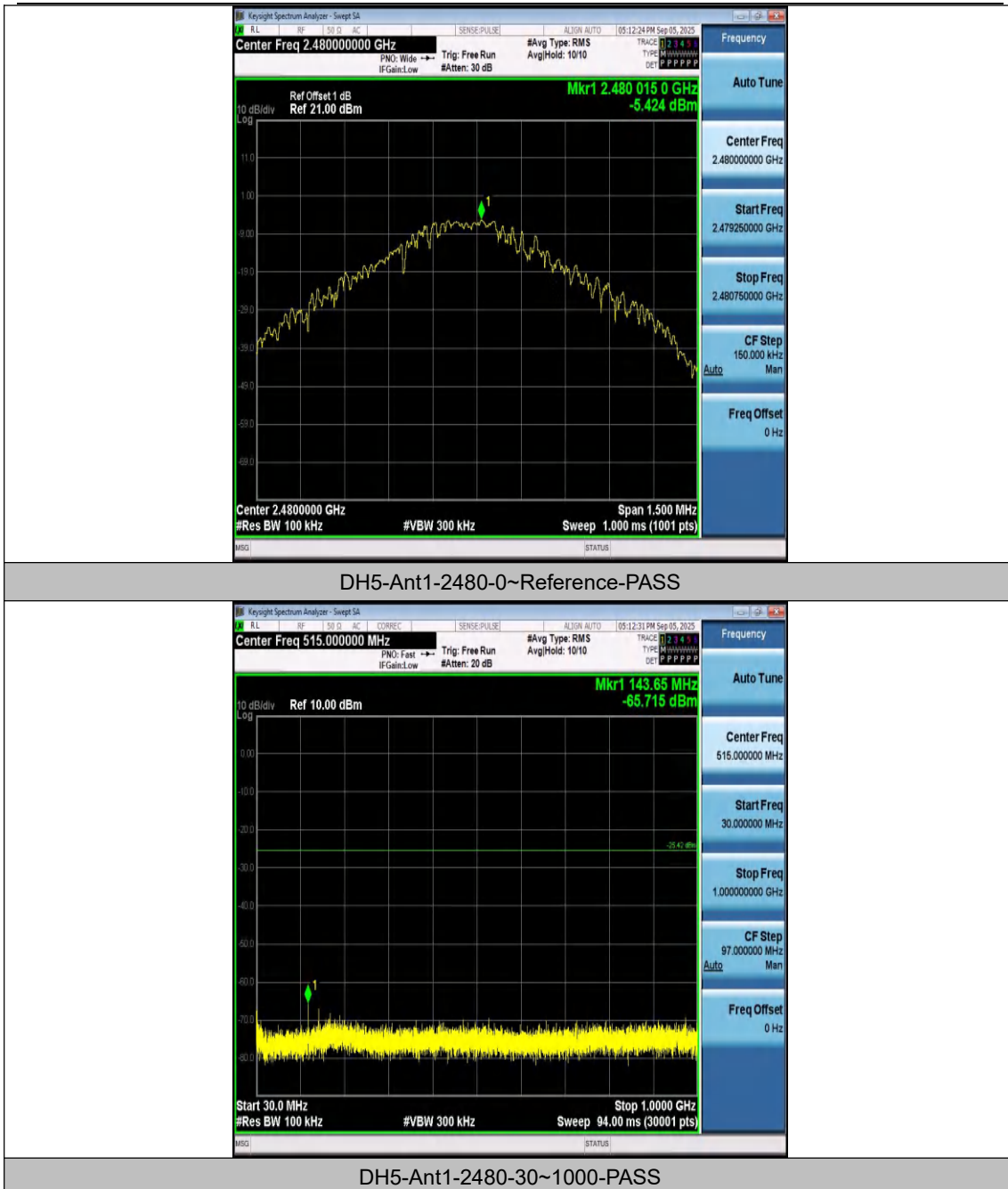
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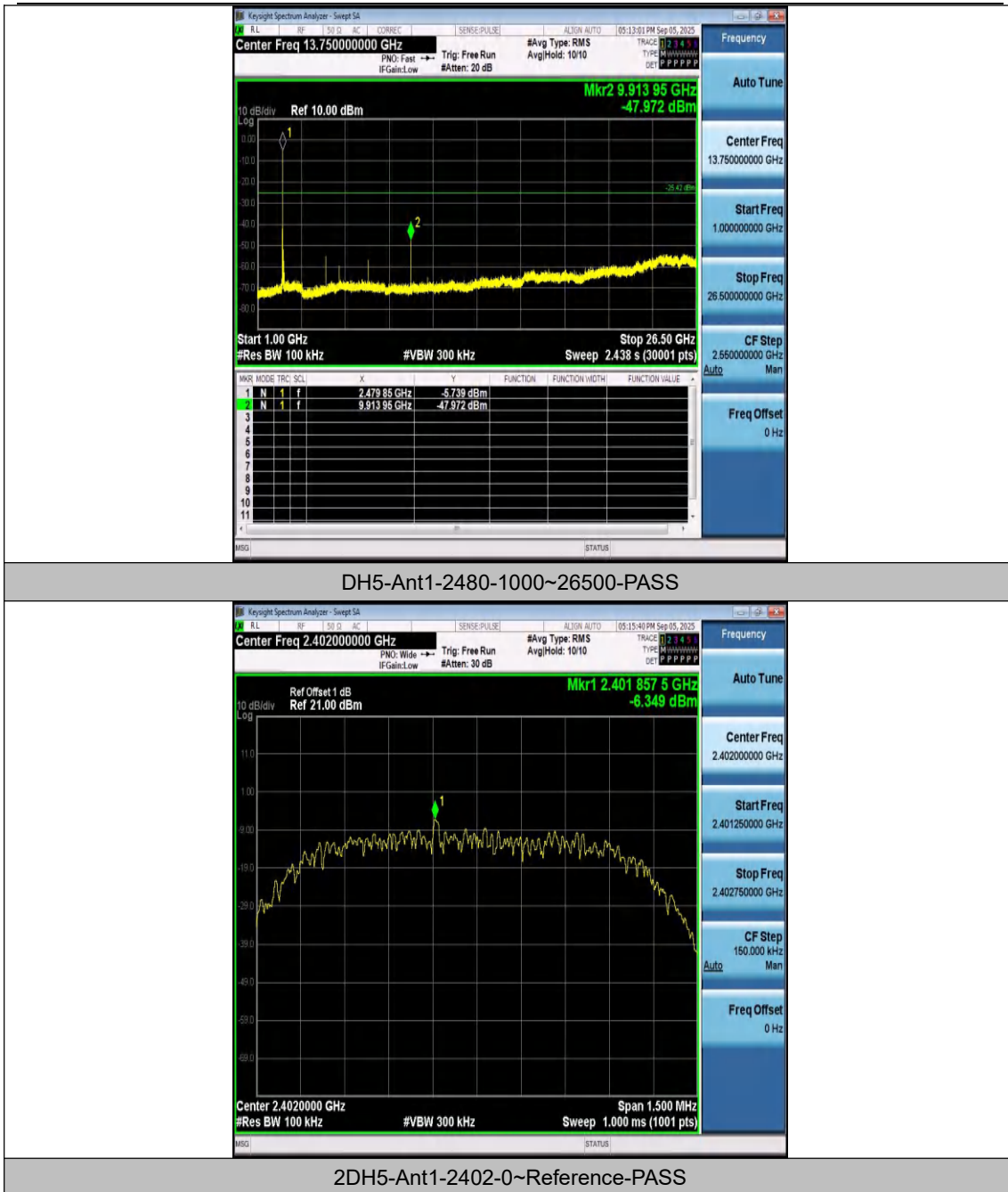
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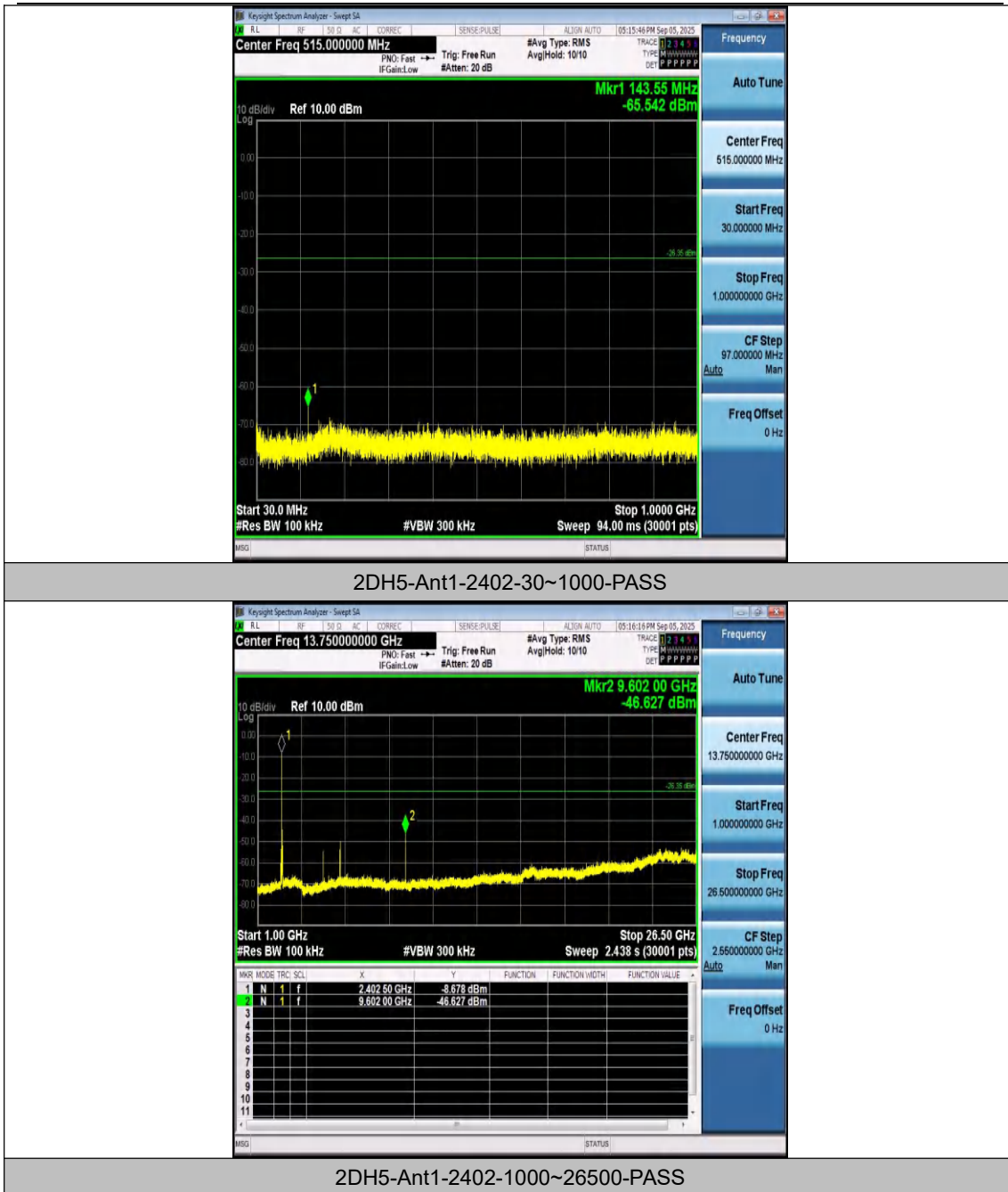
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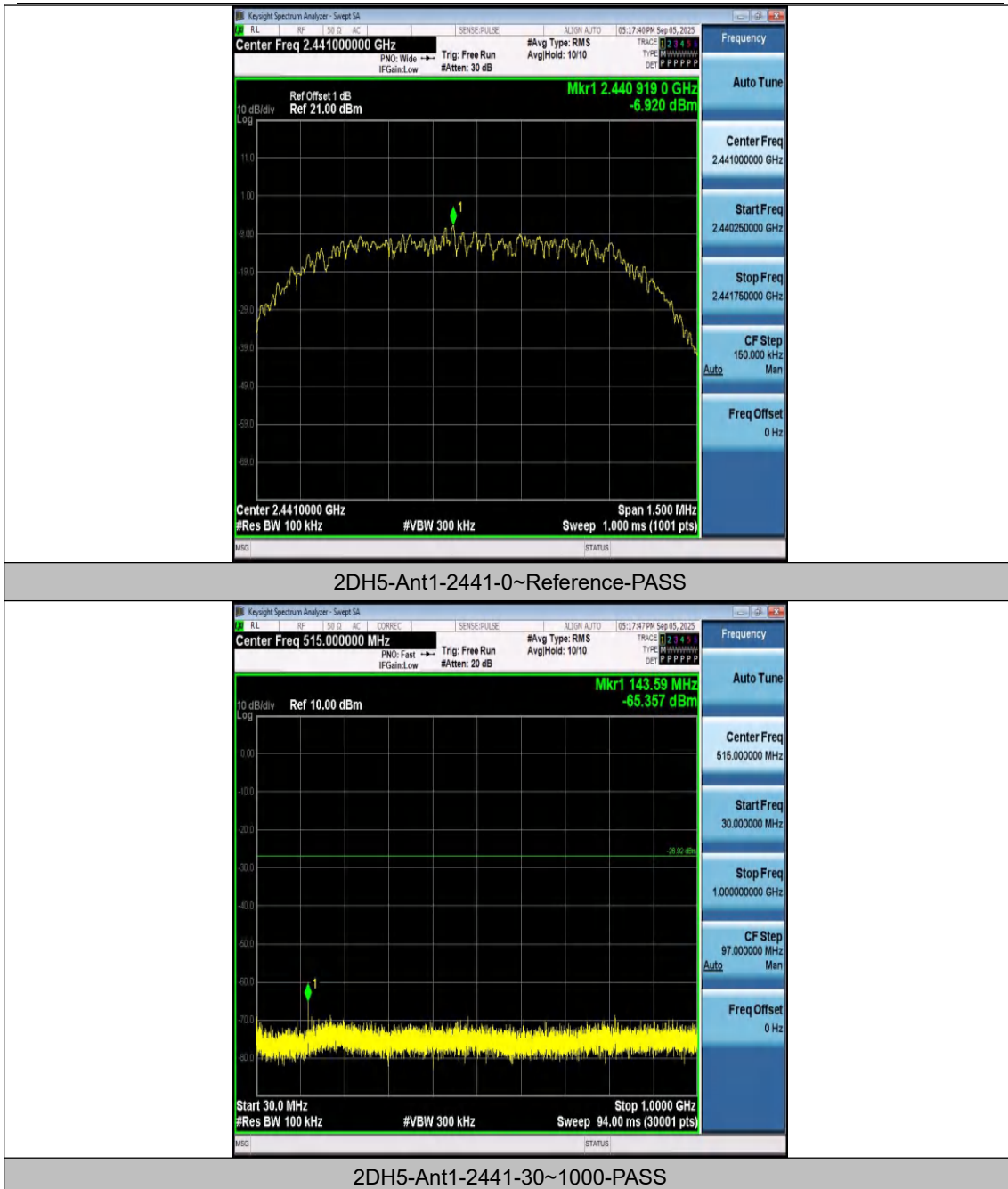
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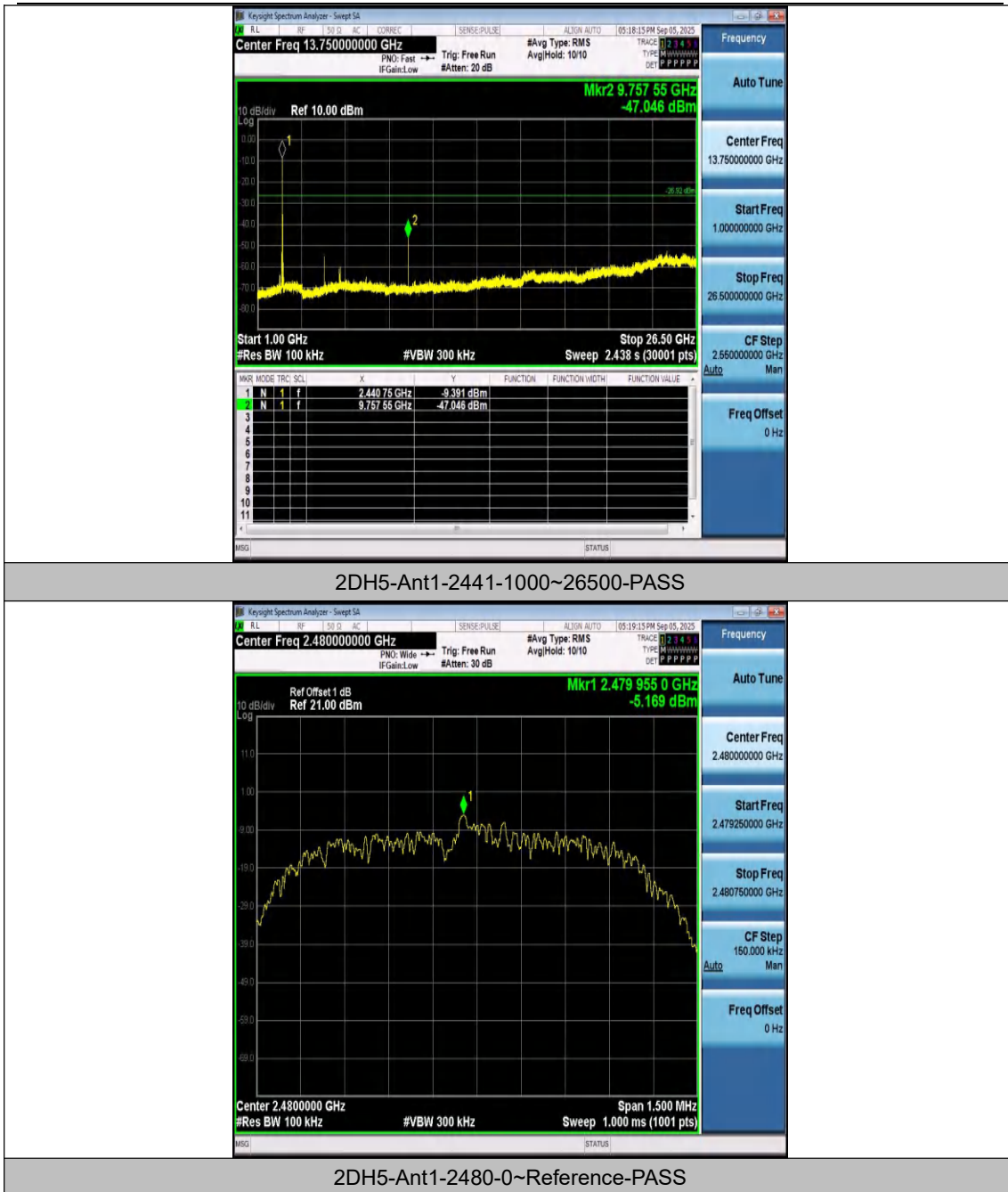
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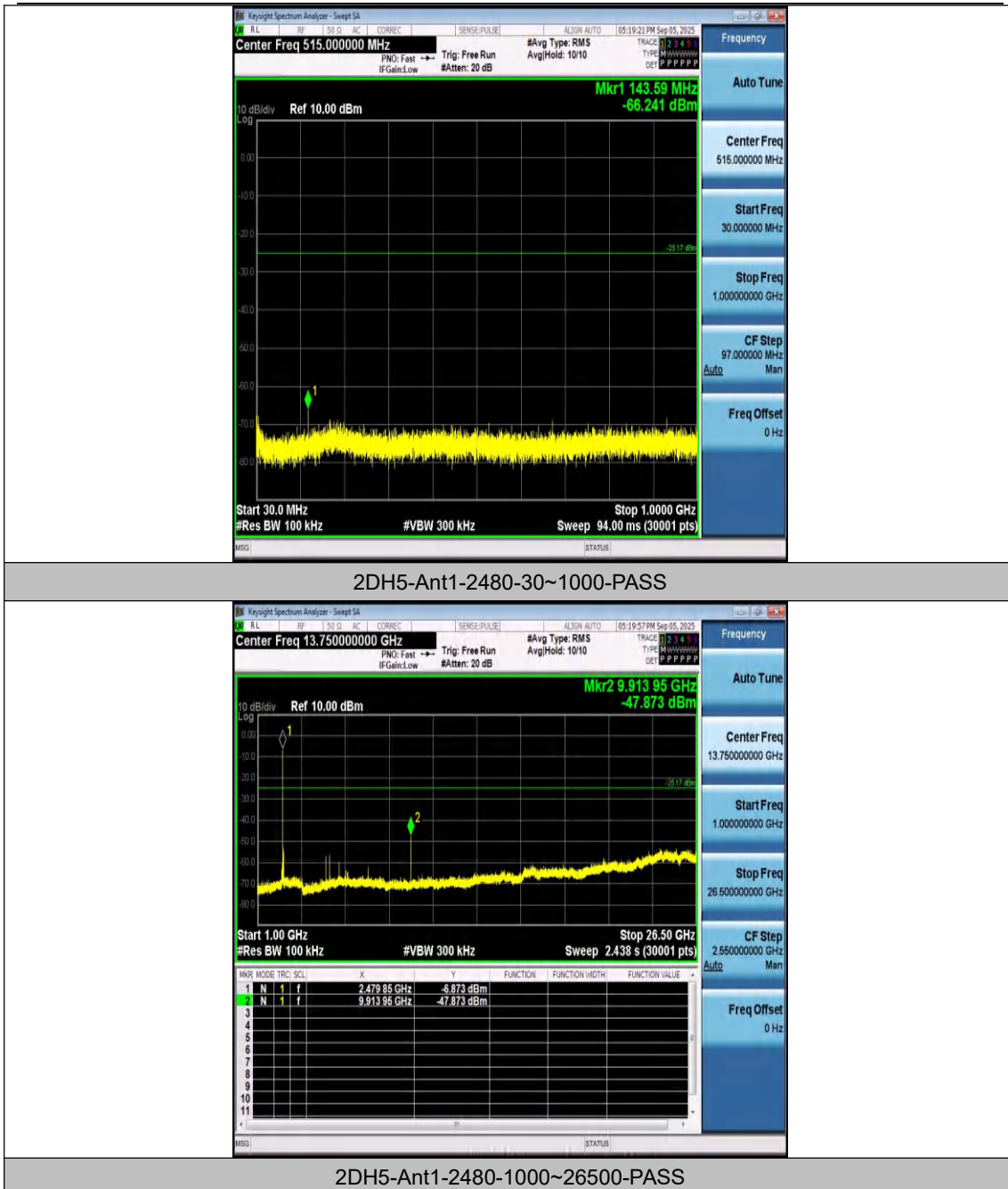
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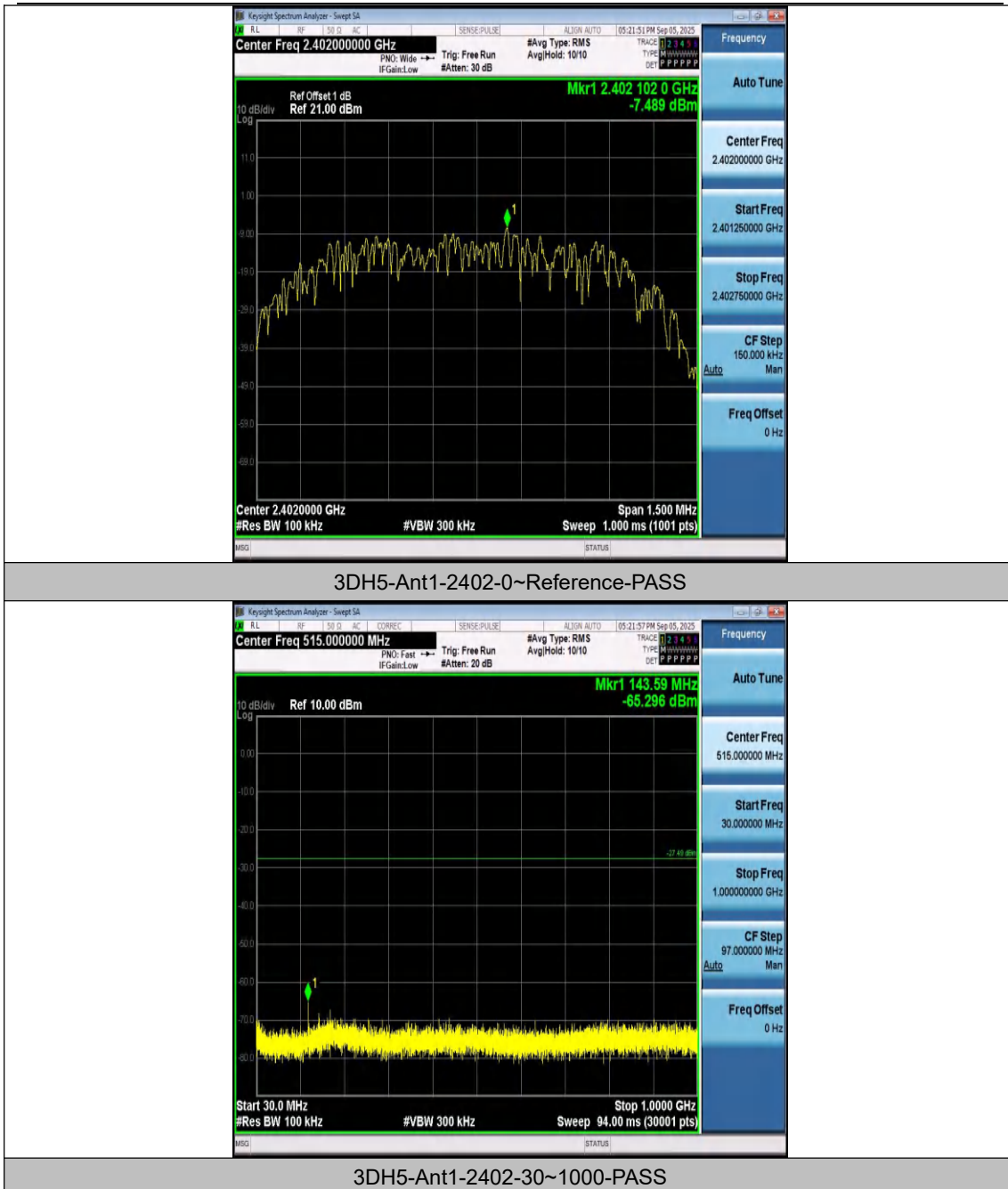


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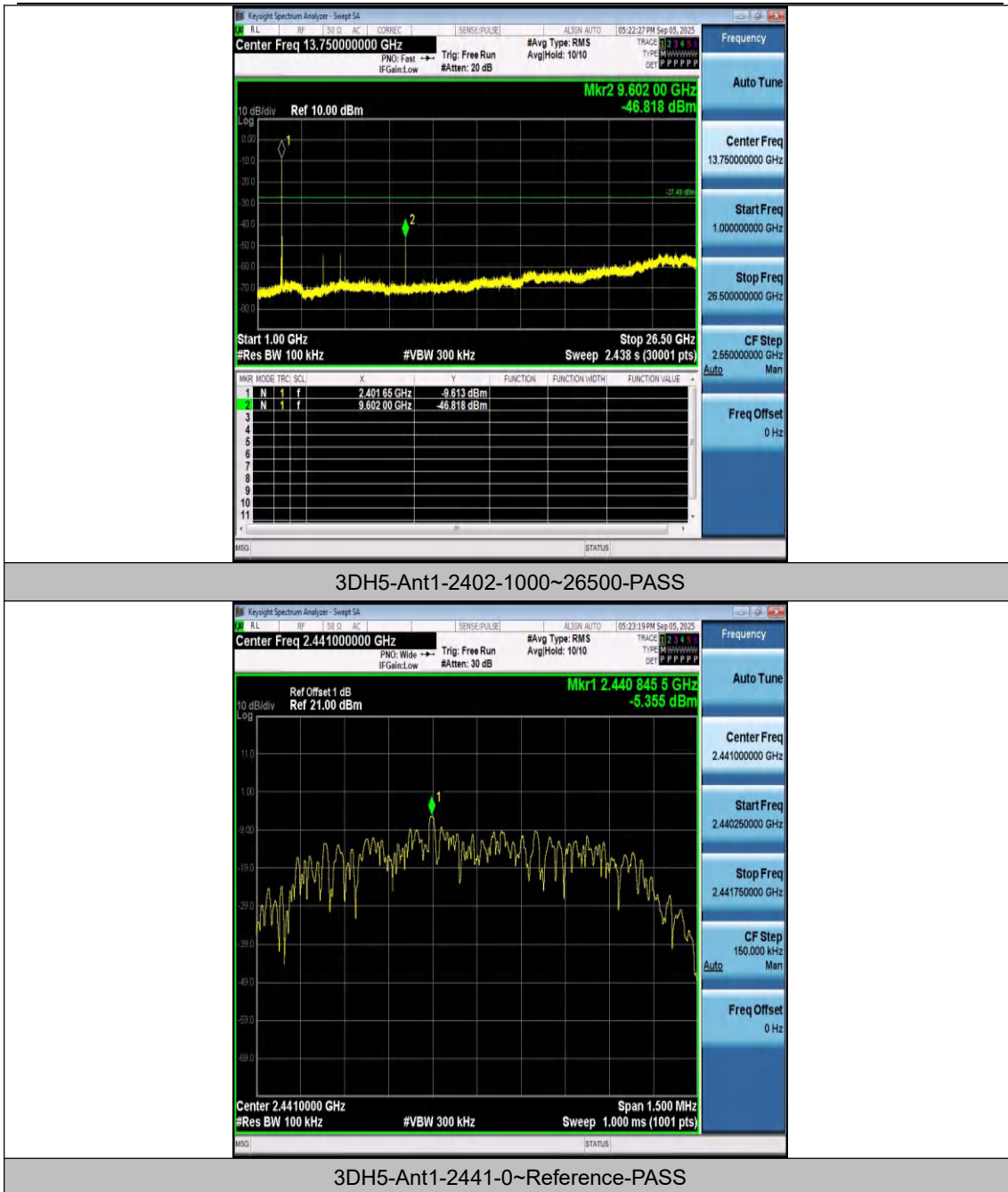




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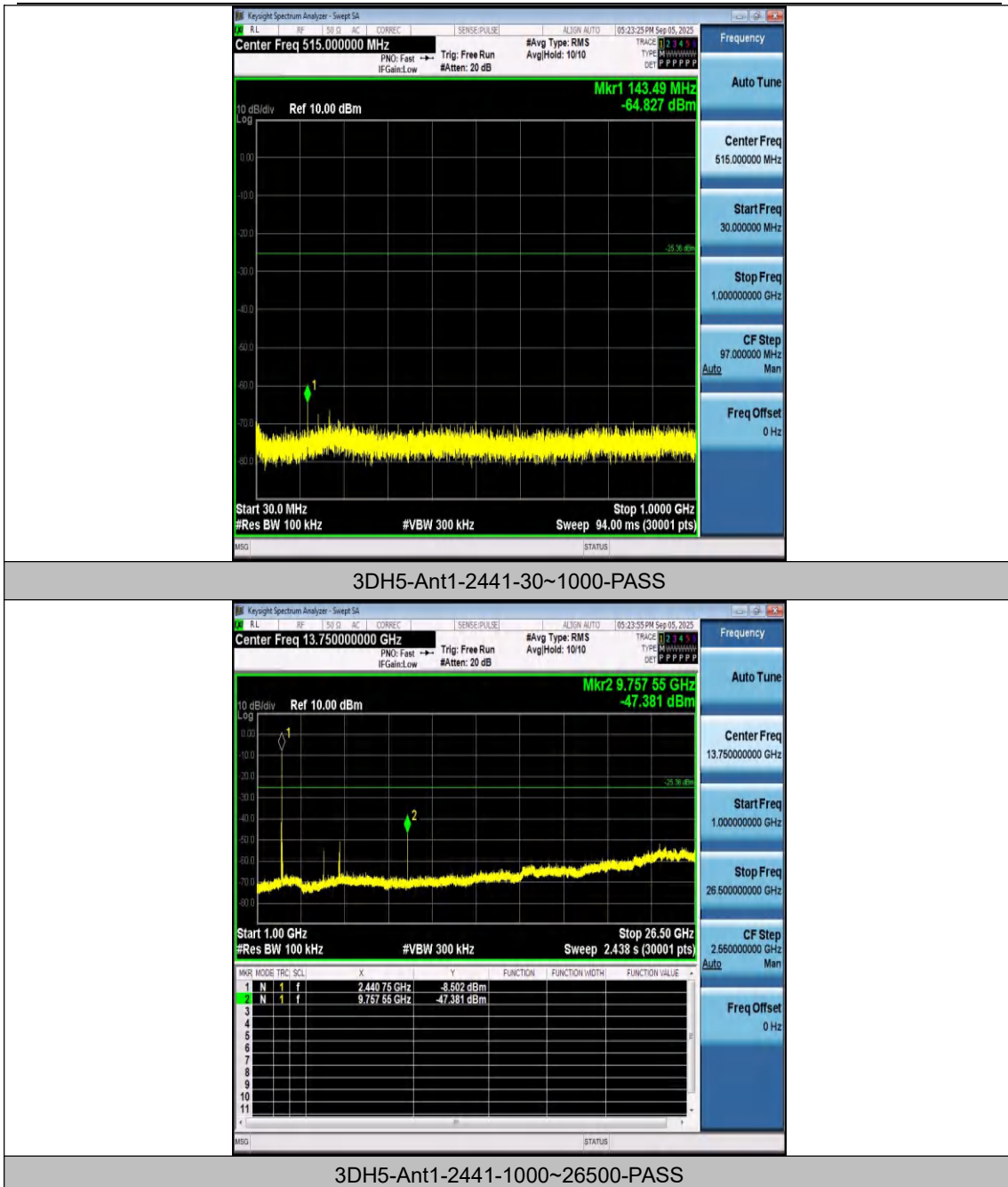
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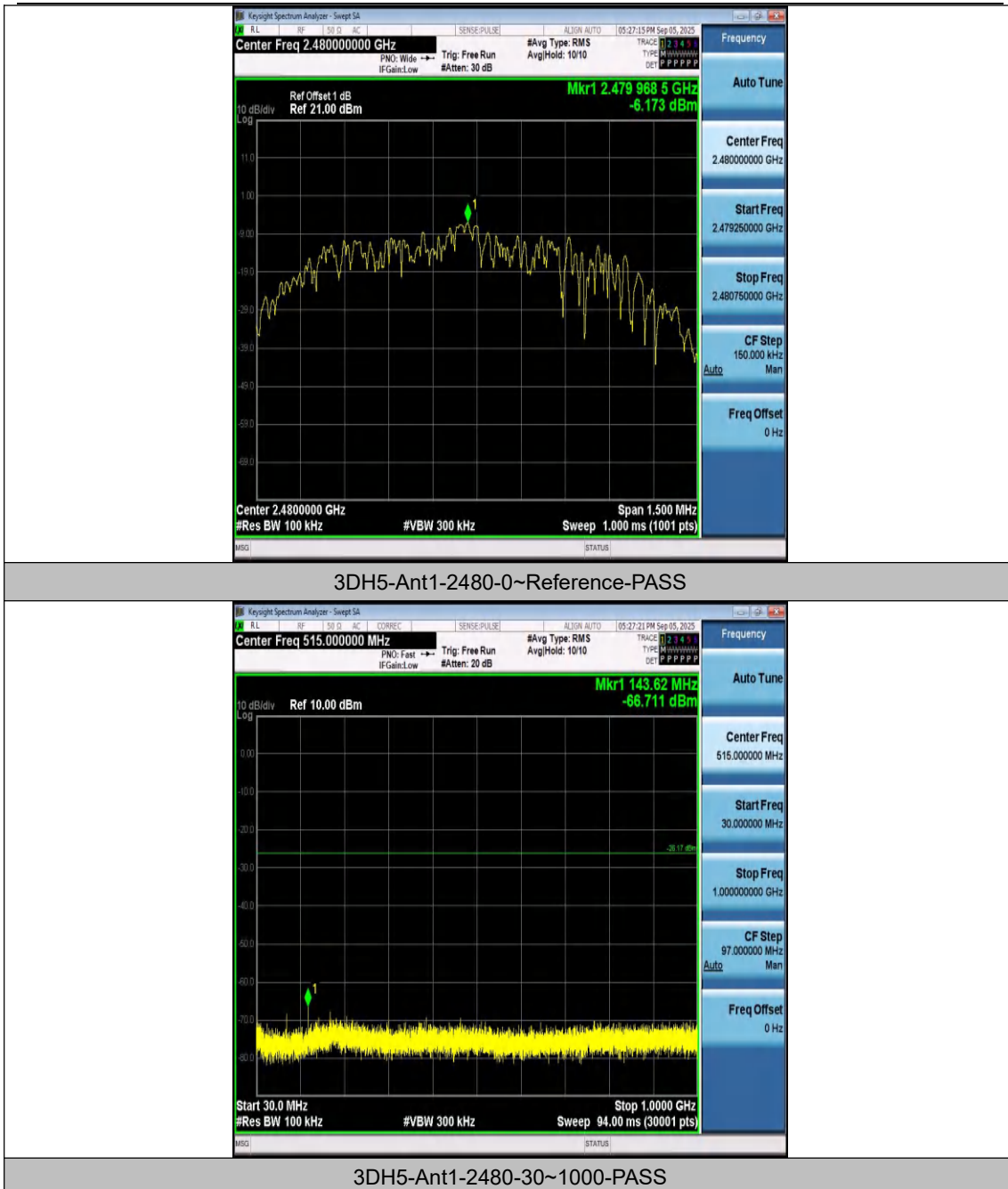


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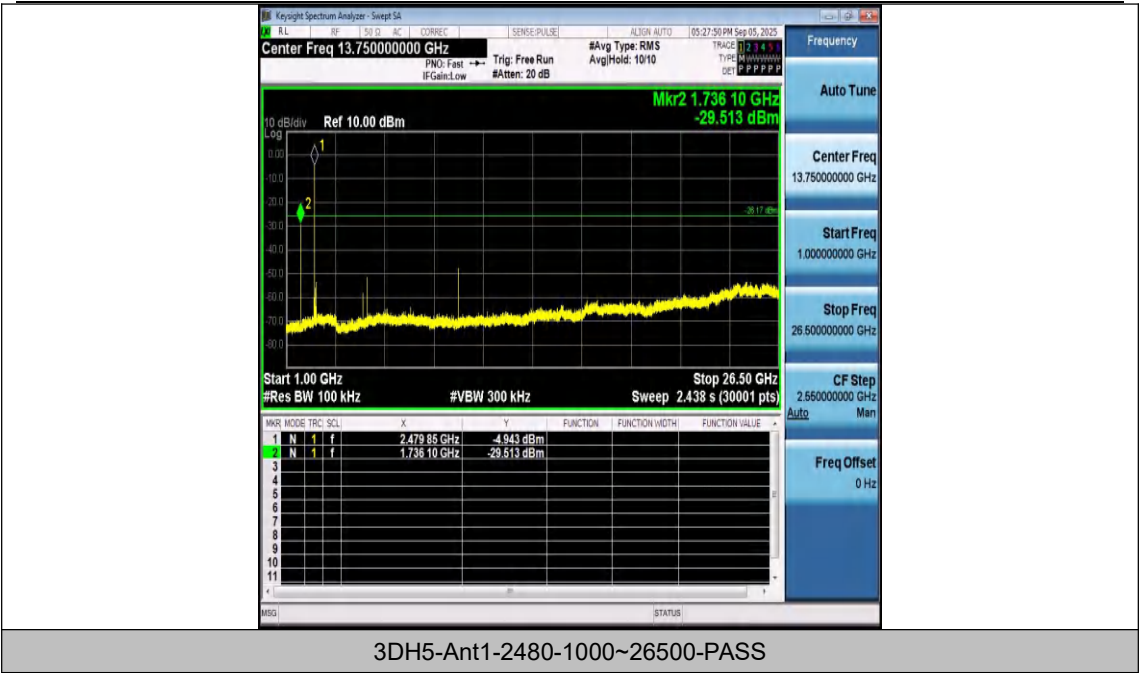




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3DH5-Ant1-2480-1000~26500-PASS

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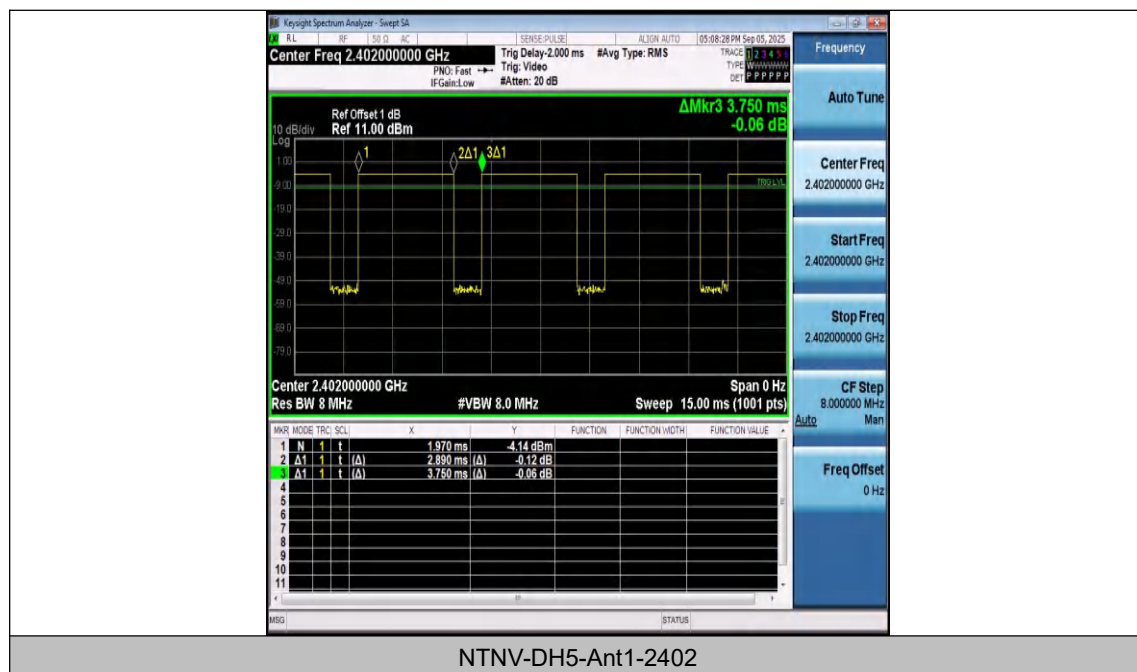
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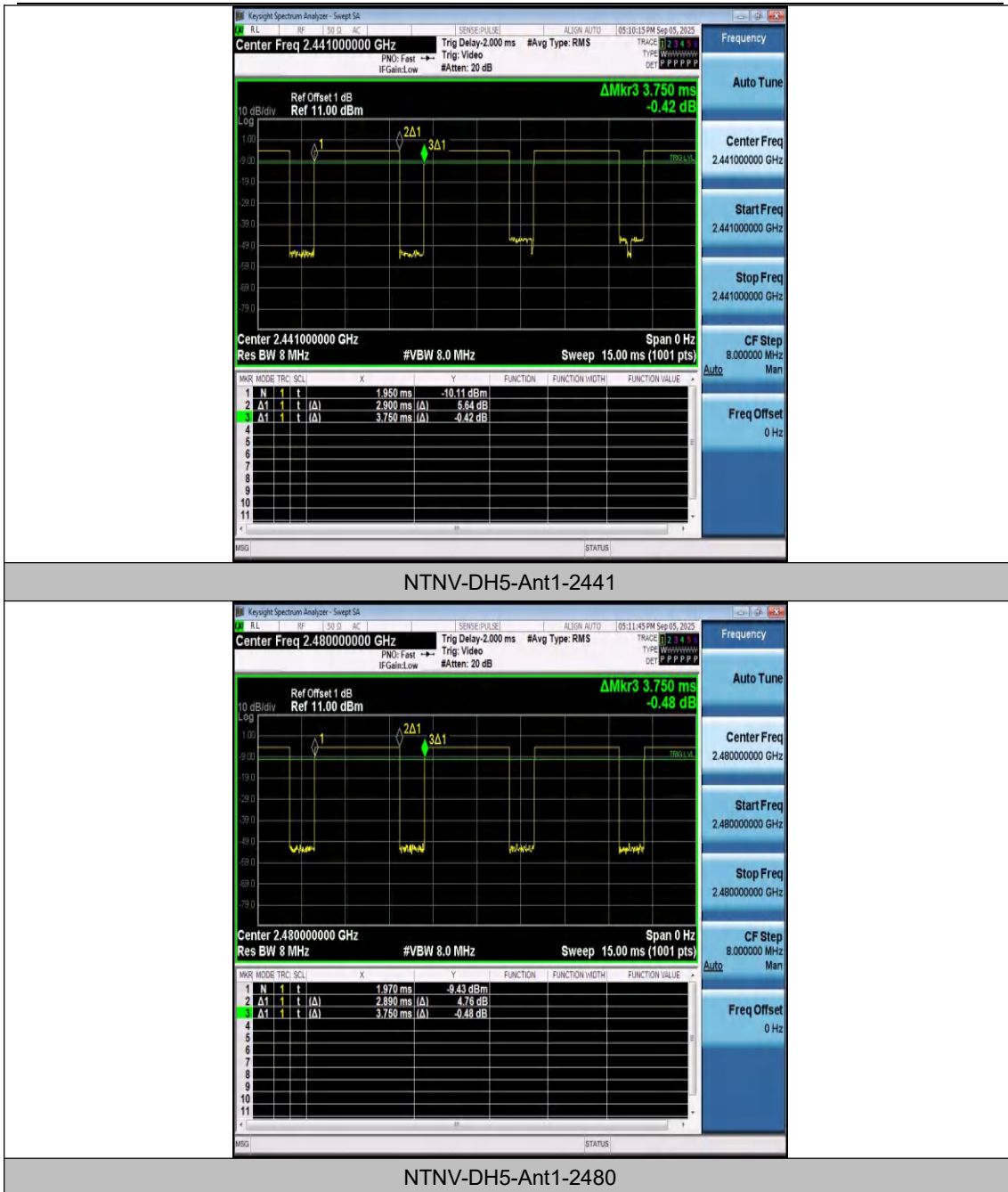
Appendix I: Duty Cycle

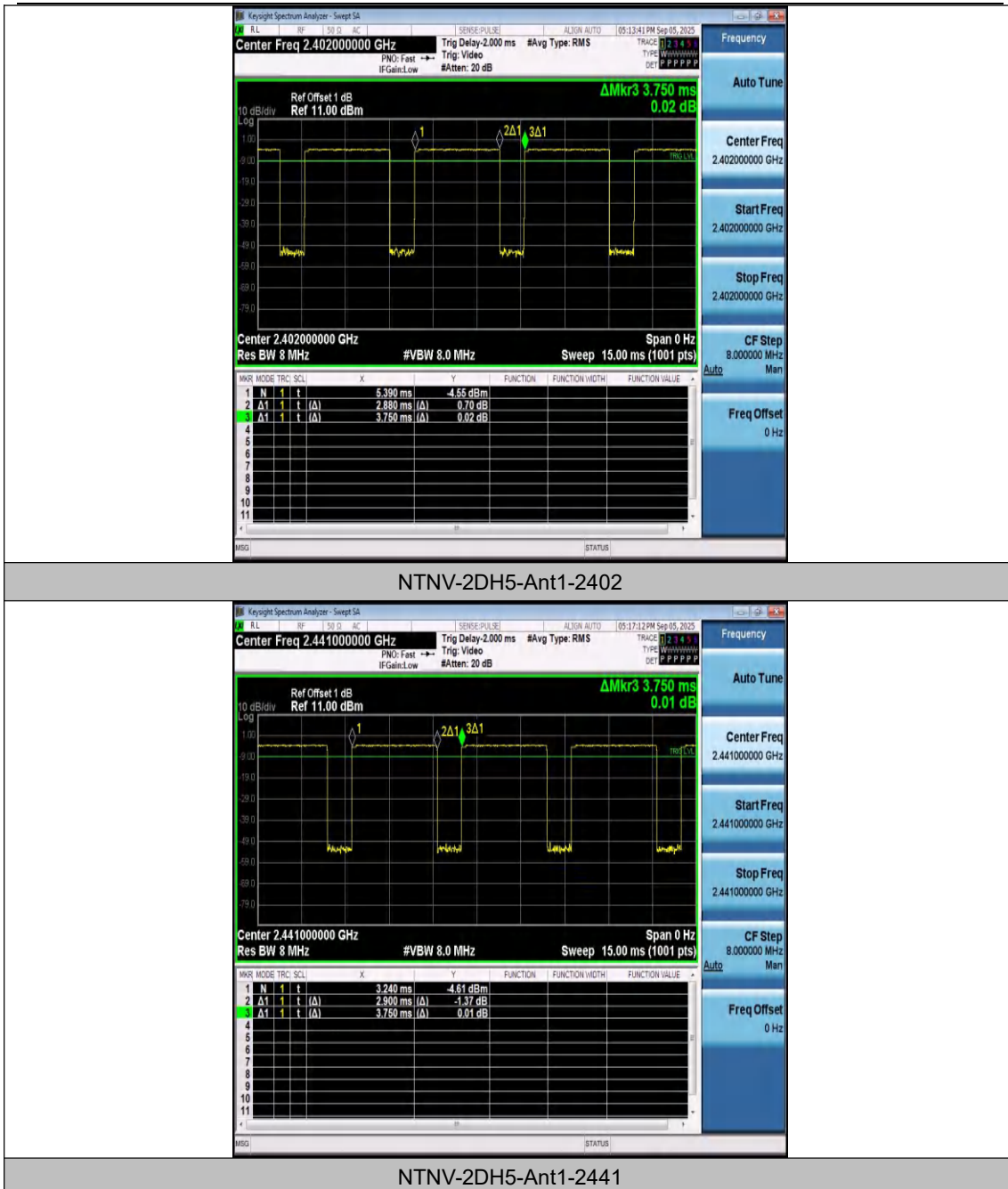
Test Result

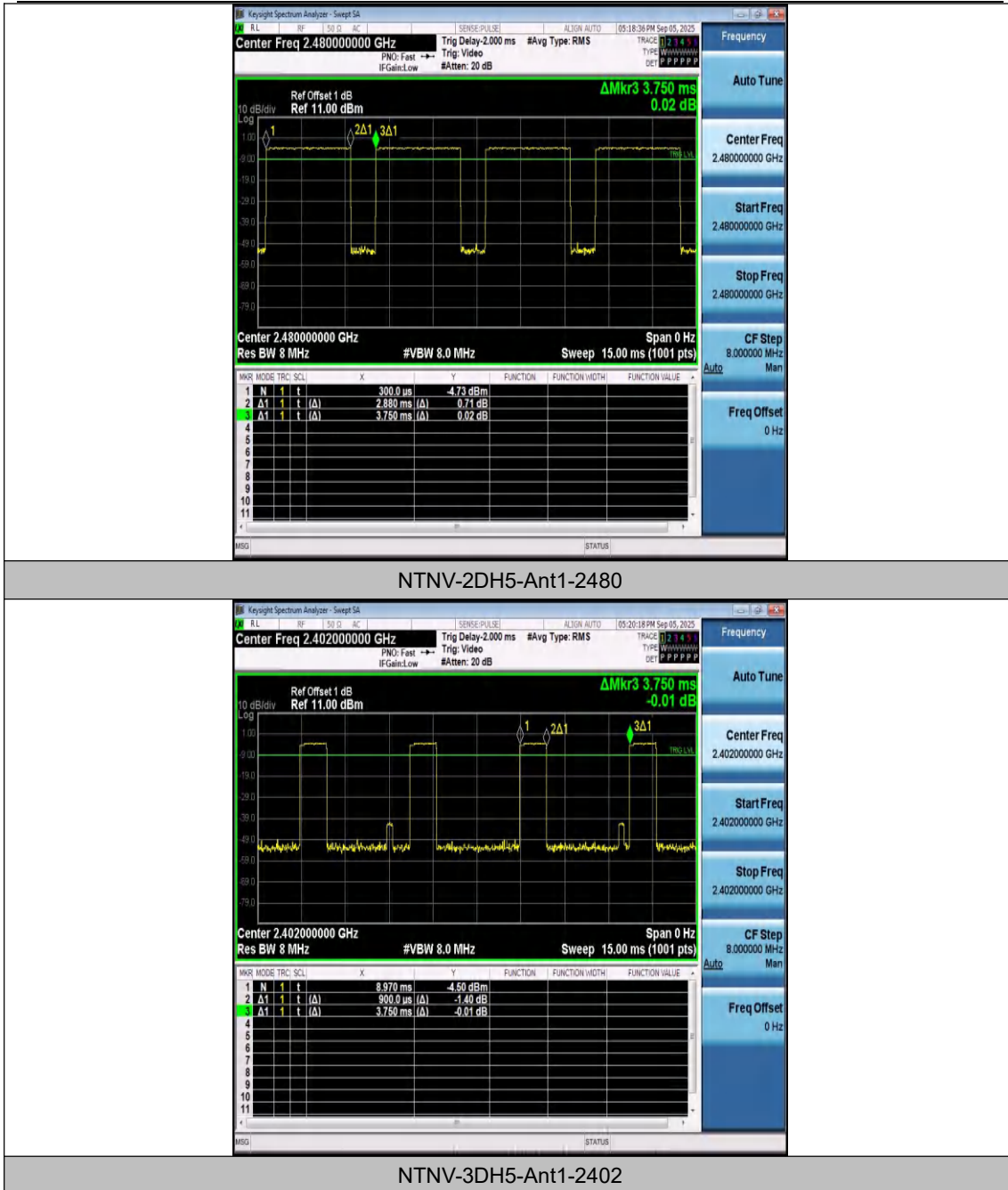
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	0.90	3.75	24.00	6.20
3DH5	Ant1	2441	0.88	3.75	23.47	6.29
3DH5	Ant1	2480	0.90	3.75	24.00	6.20

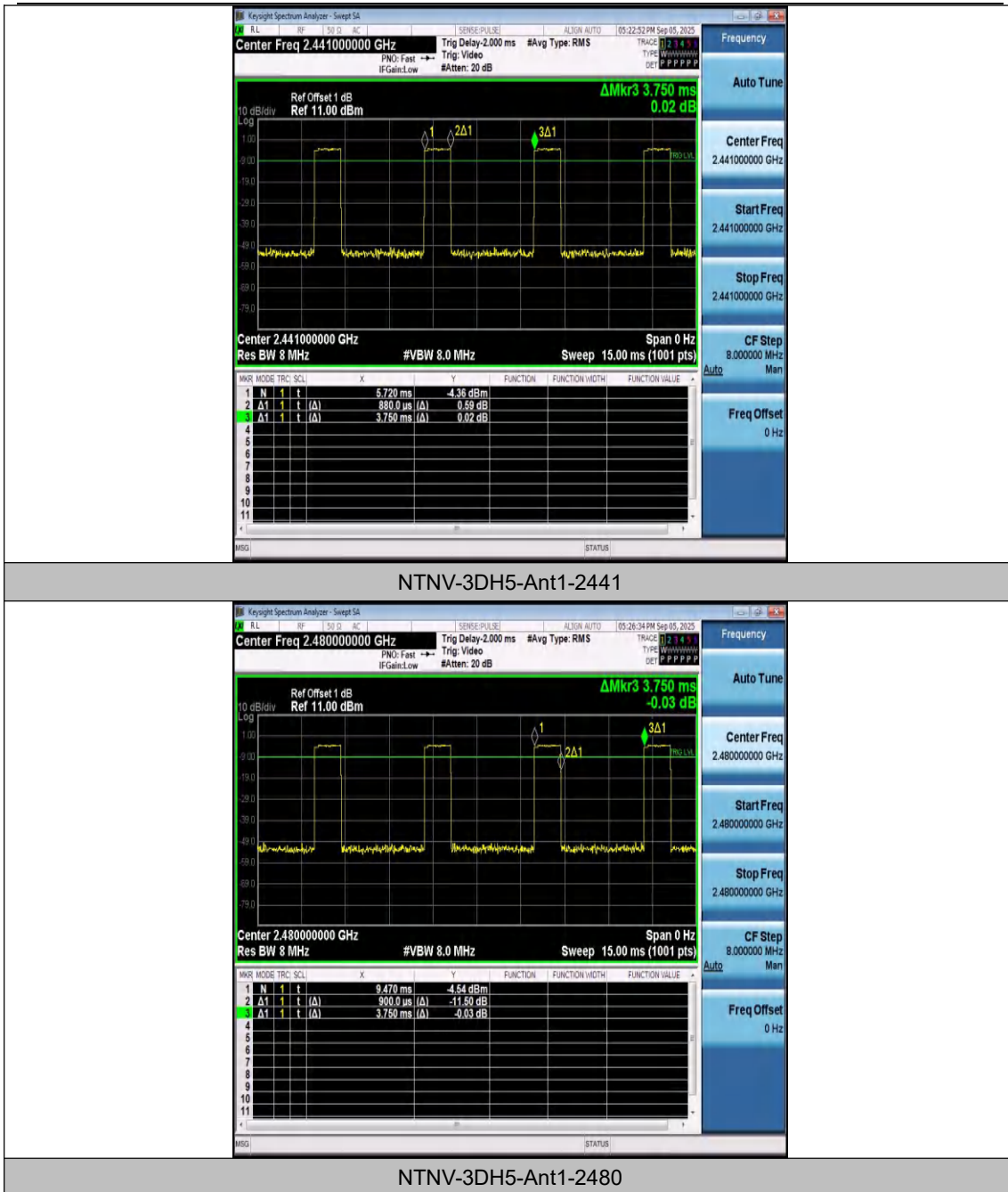
Test Graphs











---End---