

Appendix Test Data

Report No.:	1819C50120912501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-5	Finish Test Date:	2025-11-26
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.7°C	Relative Humidity:	51%
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	2401.547	2402.498	---	---
DH5	Ant1	2441	0.936	2440.550	2441.486	---	---
DH5	Ant1	2480	0.951	2479.541	2480.492	---	---
2DH5	Ant1	2402	1.308	2401.349	2402.657	---	---
2DH5	Ant1	2441	1.284	2440.376	2441.660	---	---
2DH5	Ant1	2480	1.320	2479.343	2480.663	---	---
3DH5	Ant1	2402	1.242	2401.382	2402.624	---	---
3DH5	Ant1	2441	1.272	2440.376	2441.648	---	---
3DH5	Ant1	2480	1.344	2479.331	2480.675	---	---

Test Graphs



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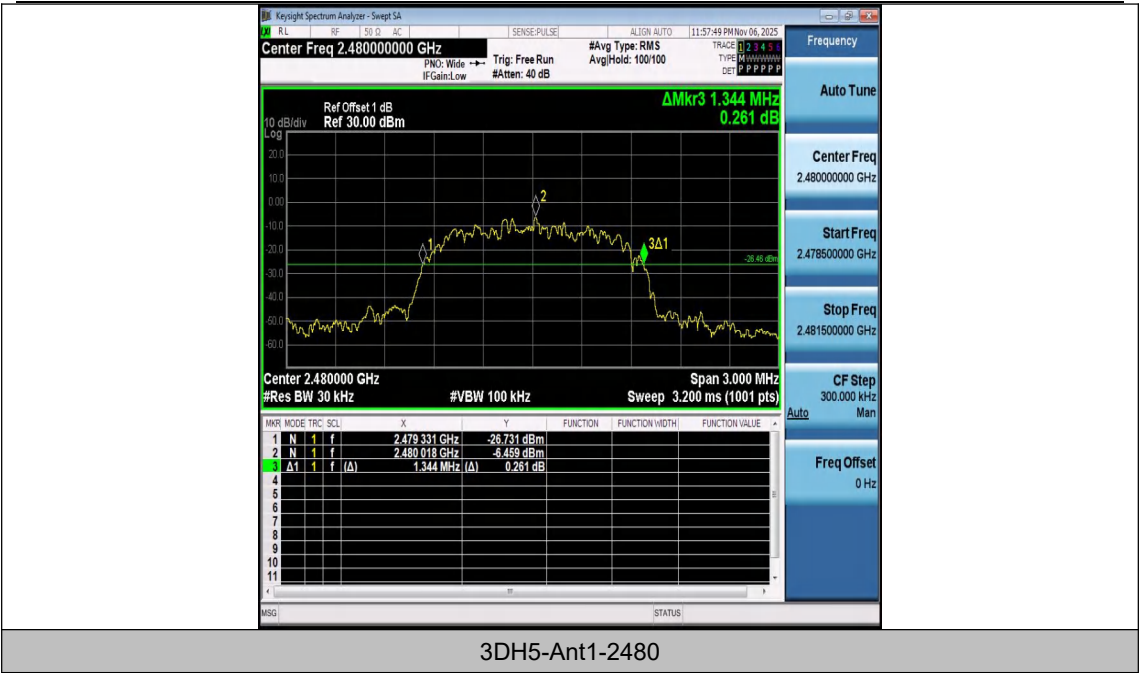
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86506	2401.5698	2402.4348	---	---
DH5	Ant1	2441	0.85809	2440.5726	2441.4307	---	---
DH5	Ant1	2480	0.85835	2479.5724	2480.4307	---	---
2DH5	Ant1	2402	1.1826	2401.4126	2402.5952	---	---
2DH5	Ant1	2441	1.1842	2440.4125	2441.5967	---	---
2DH5	Ant1	2480	1.1958	2479.4072	2480.6030	---	---
3DH5	Ant1	2402	1.1675	2401.4241	2402.5916	---	---
3DH5	Ant1	2441	1.1659	2440.4235	2441.5894	---	---
3DH5	Ant1	2480	1.1937	2479.4067	2480.6004	---	---

Test Graphs



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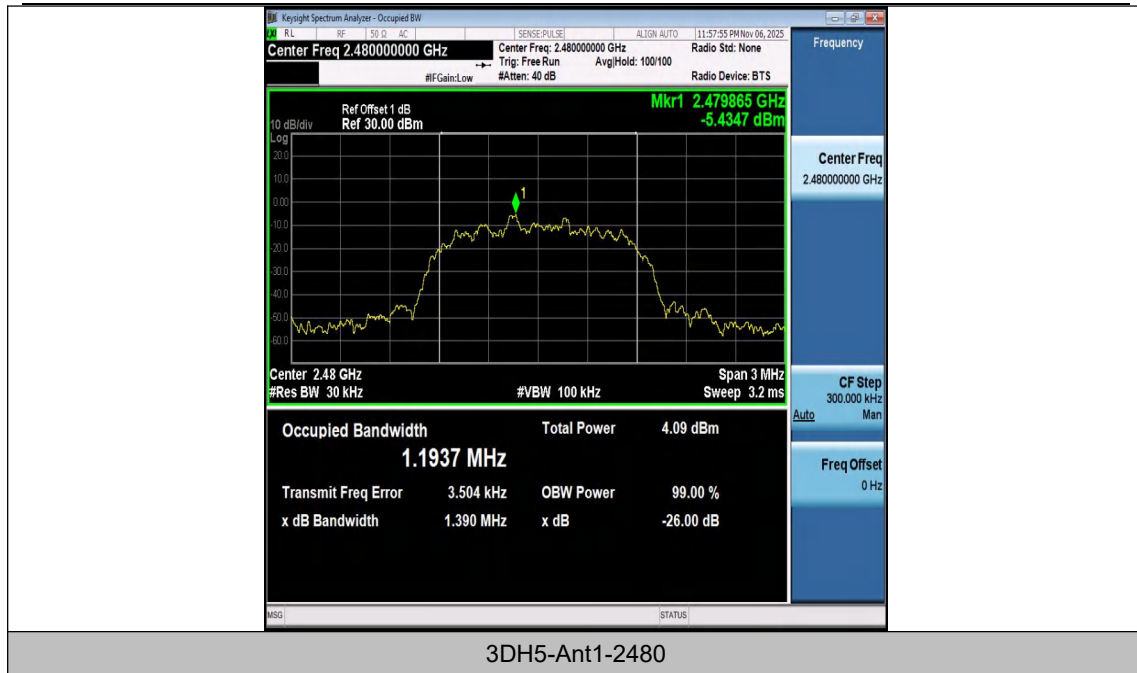
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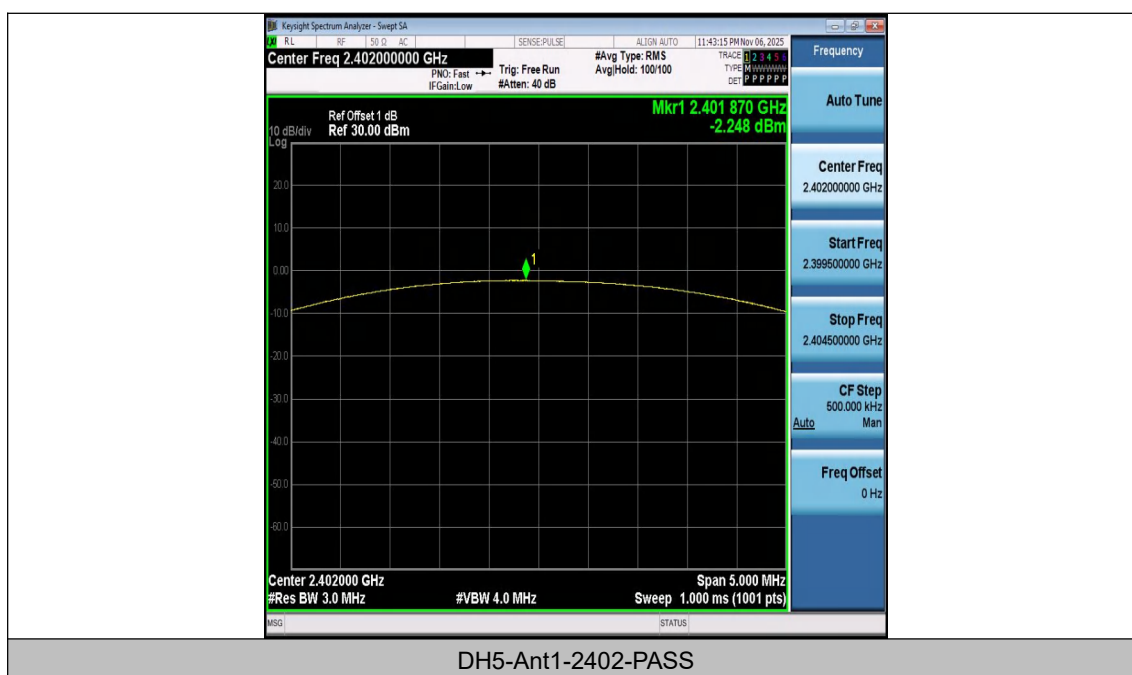
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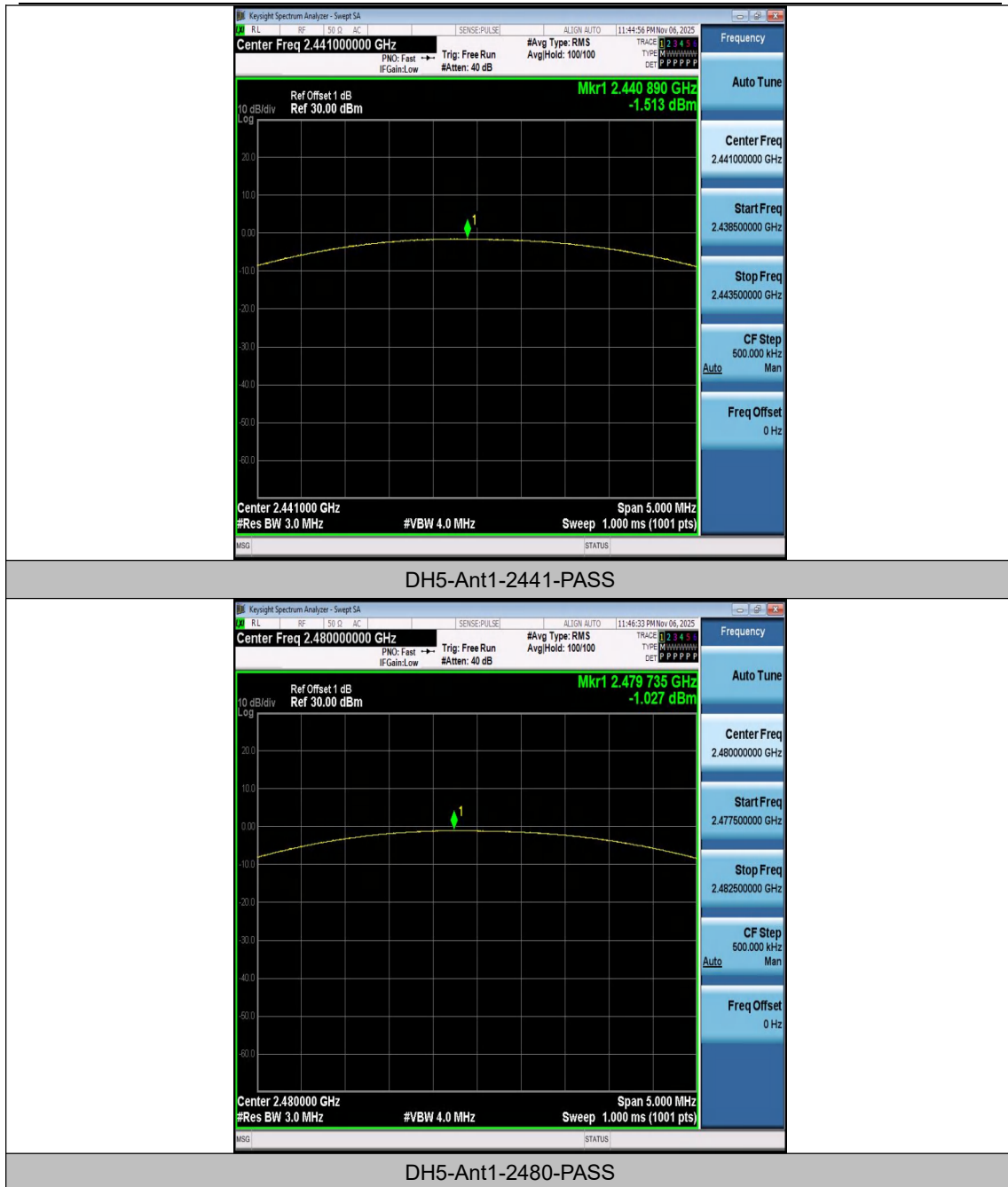
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.25	≤20.97	PASS
DH5	Ant1	2441	-1.51	≤20.97	PASS
DH5	Ant1	2480	-1.03	≤20.97	PASS
2DH5	Ant1	2402	-1.36	≤20.97	PASS
2DH5	Ant1	2441	-0.69	≤20.97	PASS
2DH5	Ant1	2480	2.68	≤20.97	PASS
3DH5	Ant1	2402	-1.30	≤20.97	PASS
3DH5	Ant1	2441	-0.65	≤20.97	PASS
3DH5	Ant1	2480	-0.12	≤20.97	PASS

Test Graphs

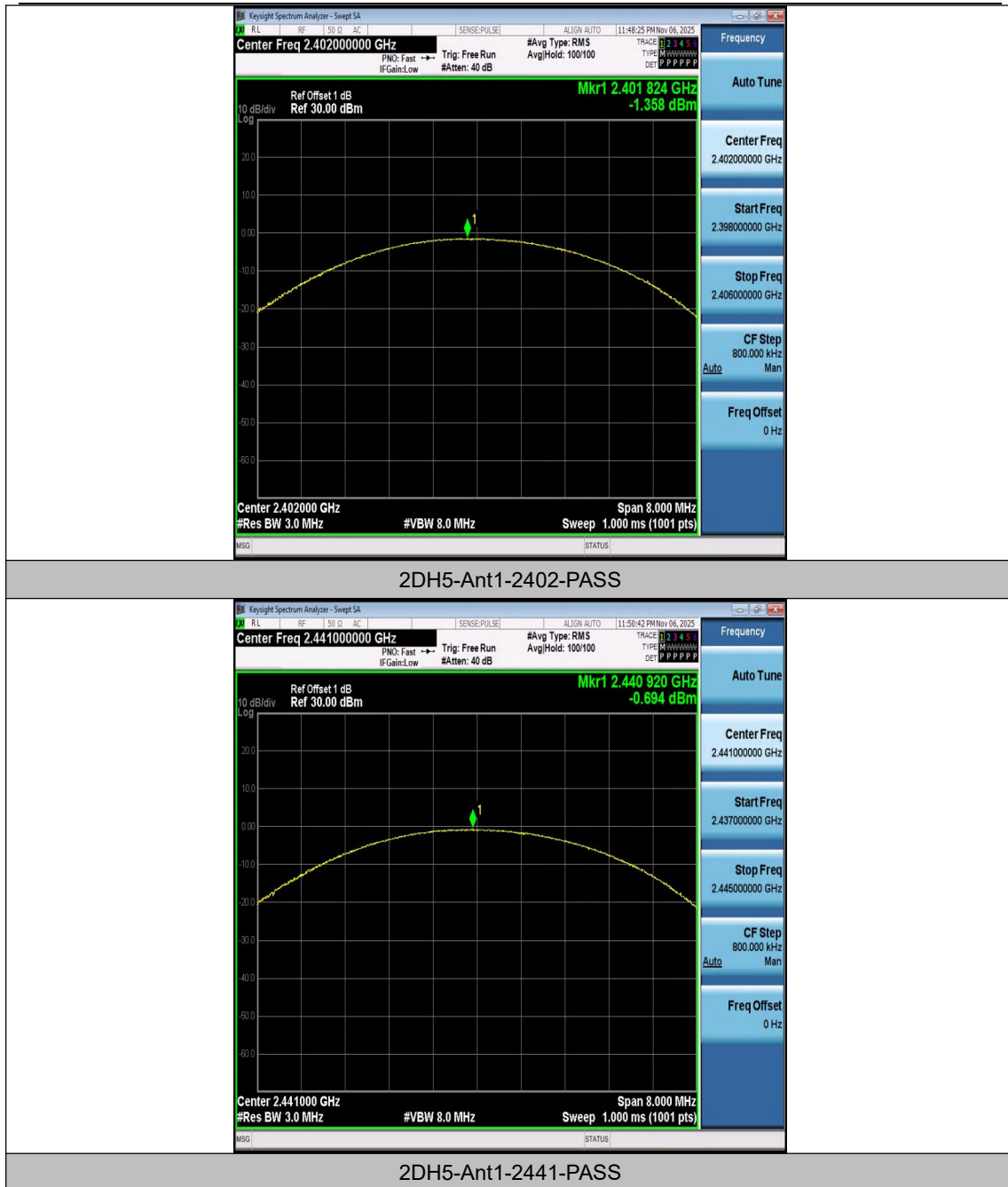




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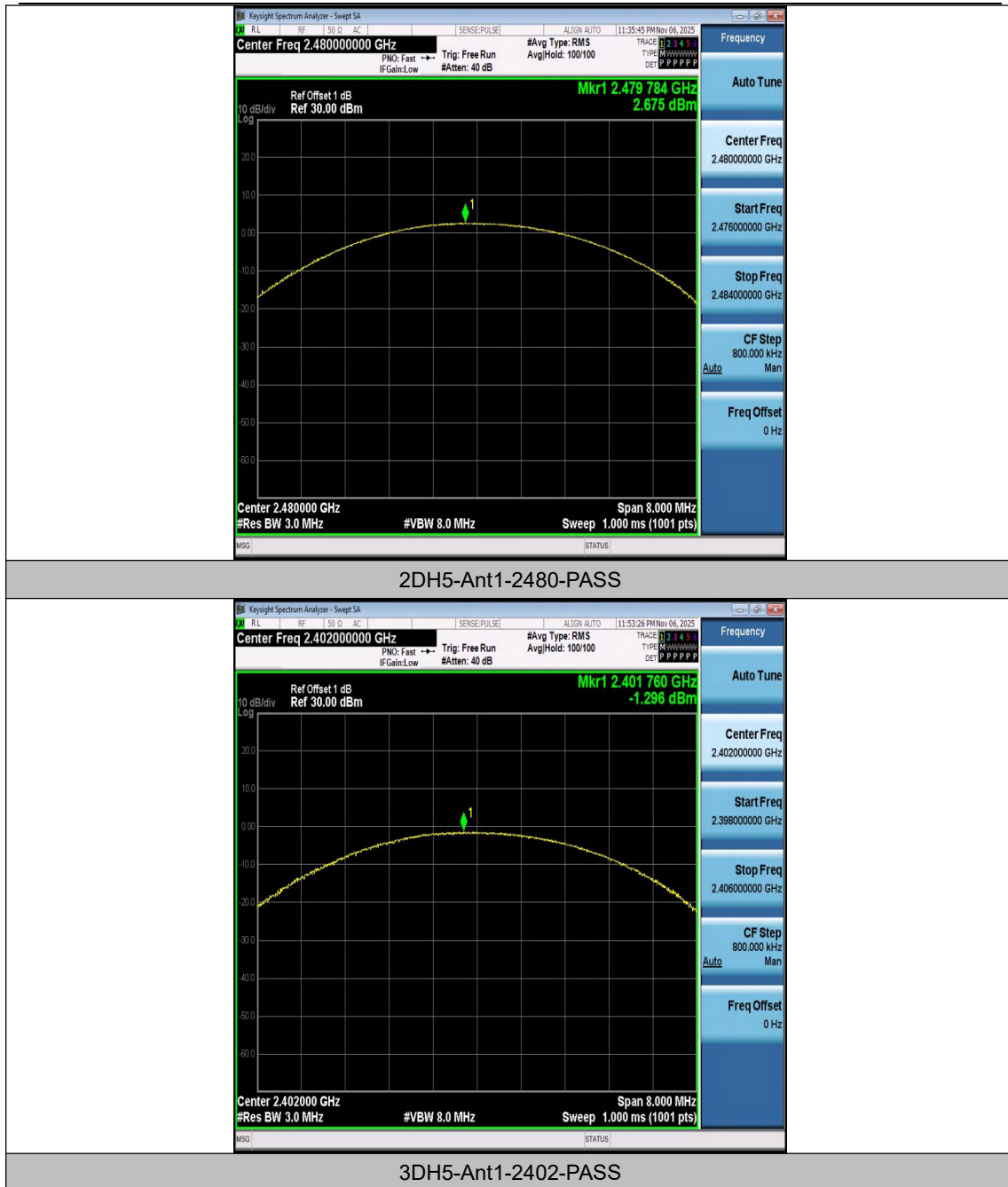
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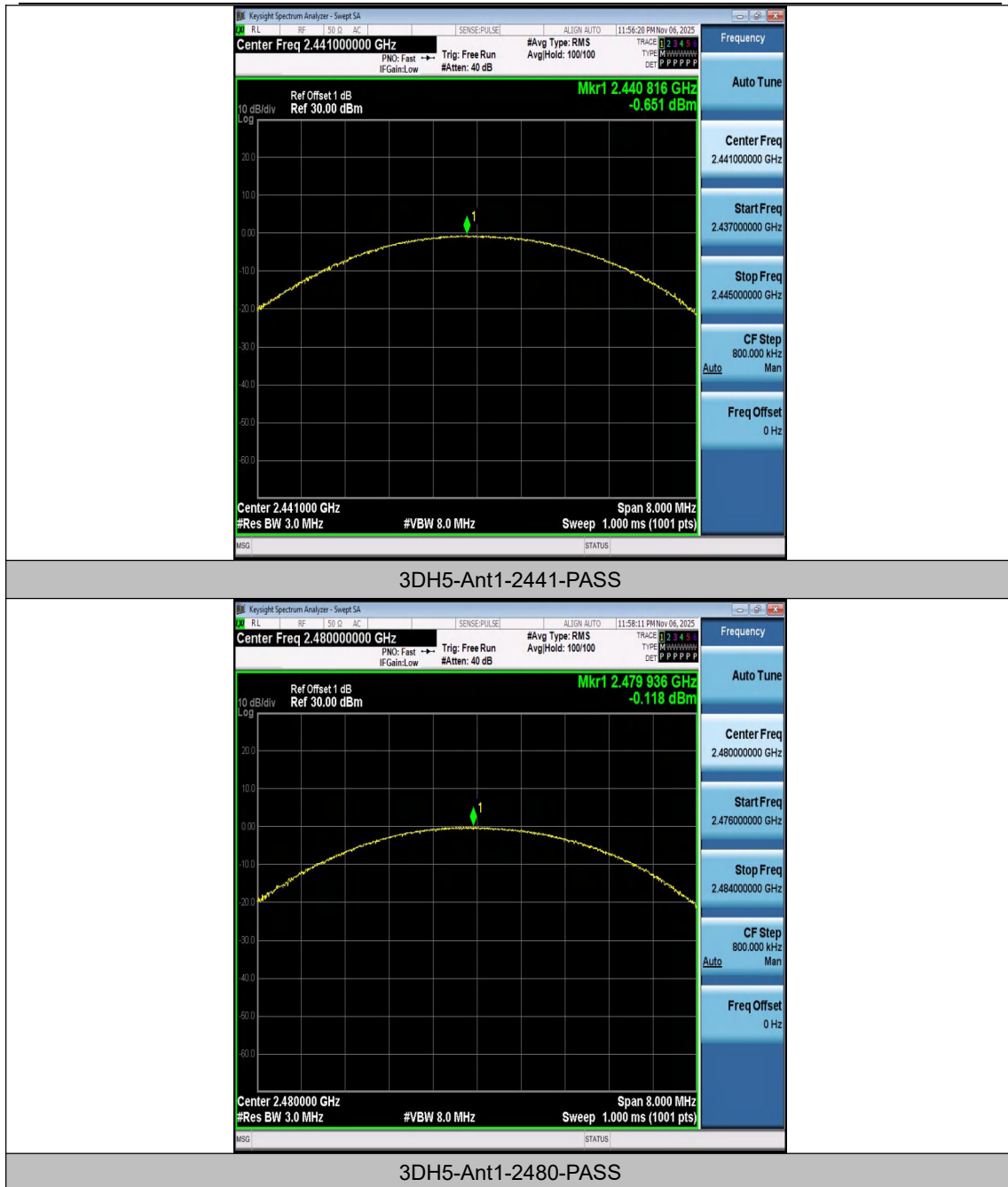
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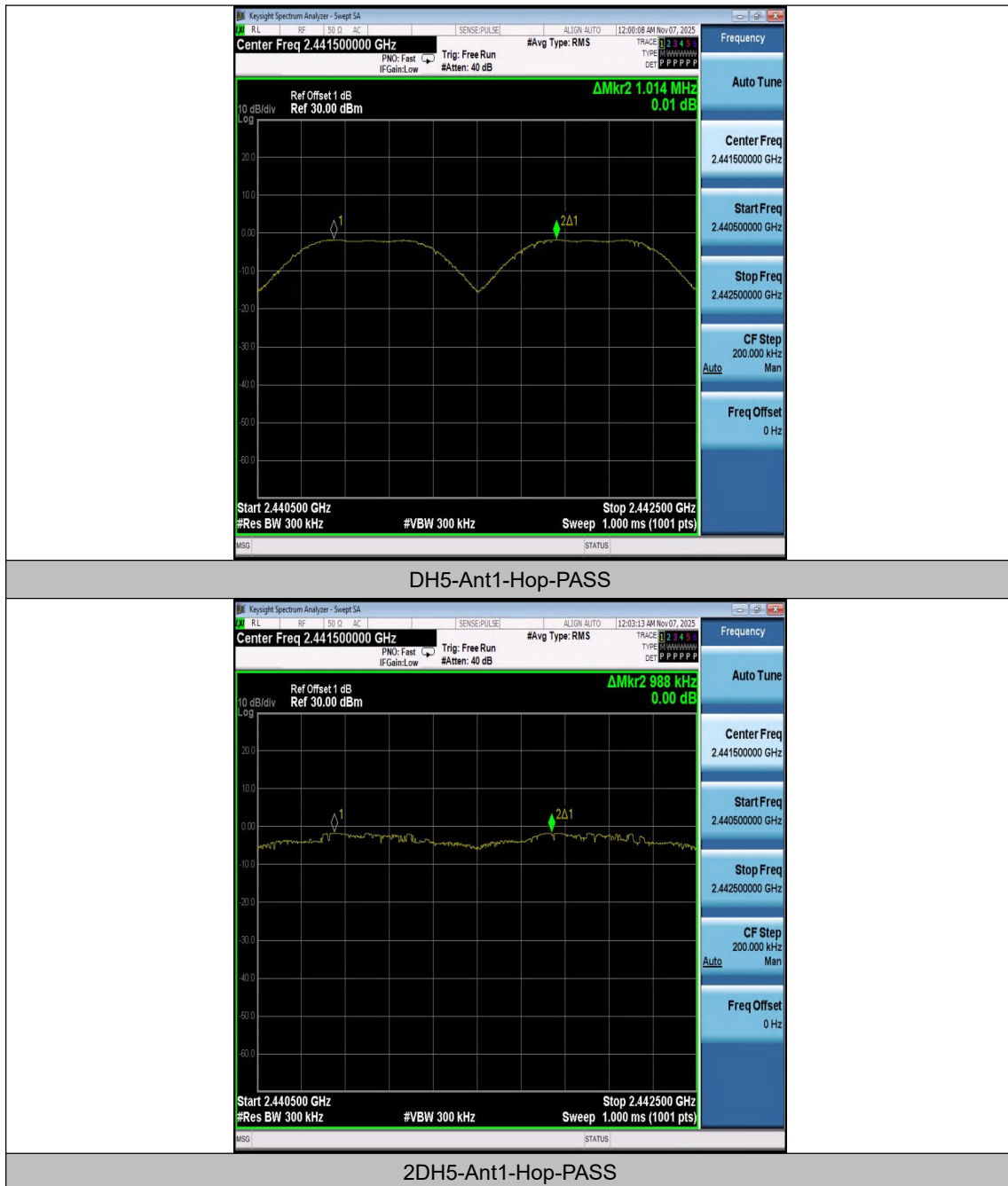
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.014	≥0.951	PASS
2DH5	Ant1	Hop	0.988	≥0.880	PASS
3DH5	Ant1	Hop	0.984	≥0.896	PASS

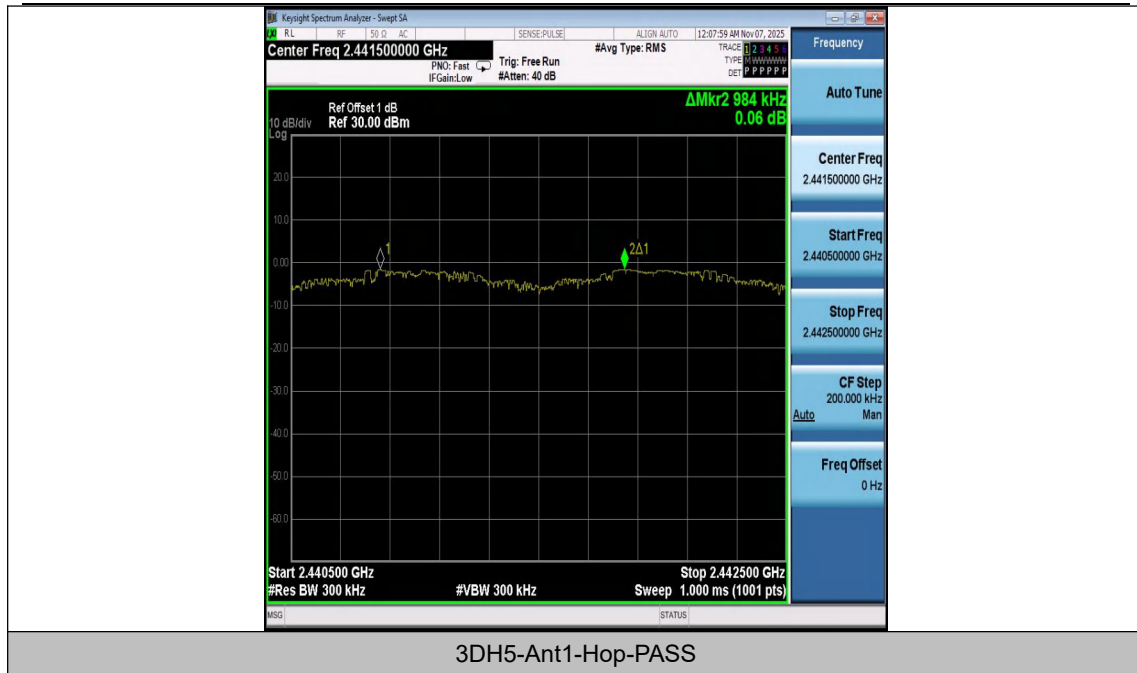
Test Graphs



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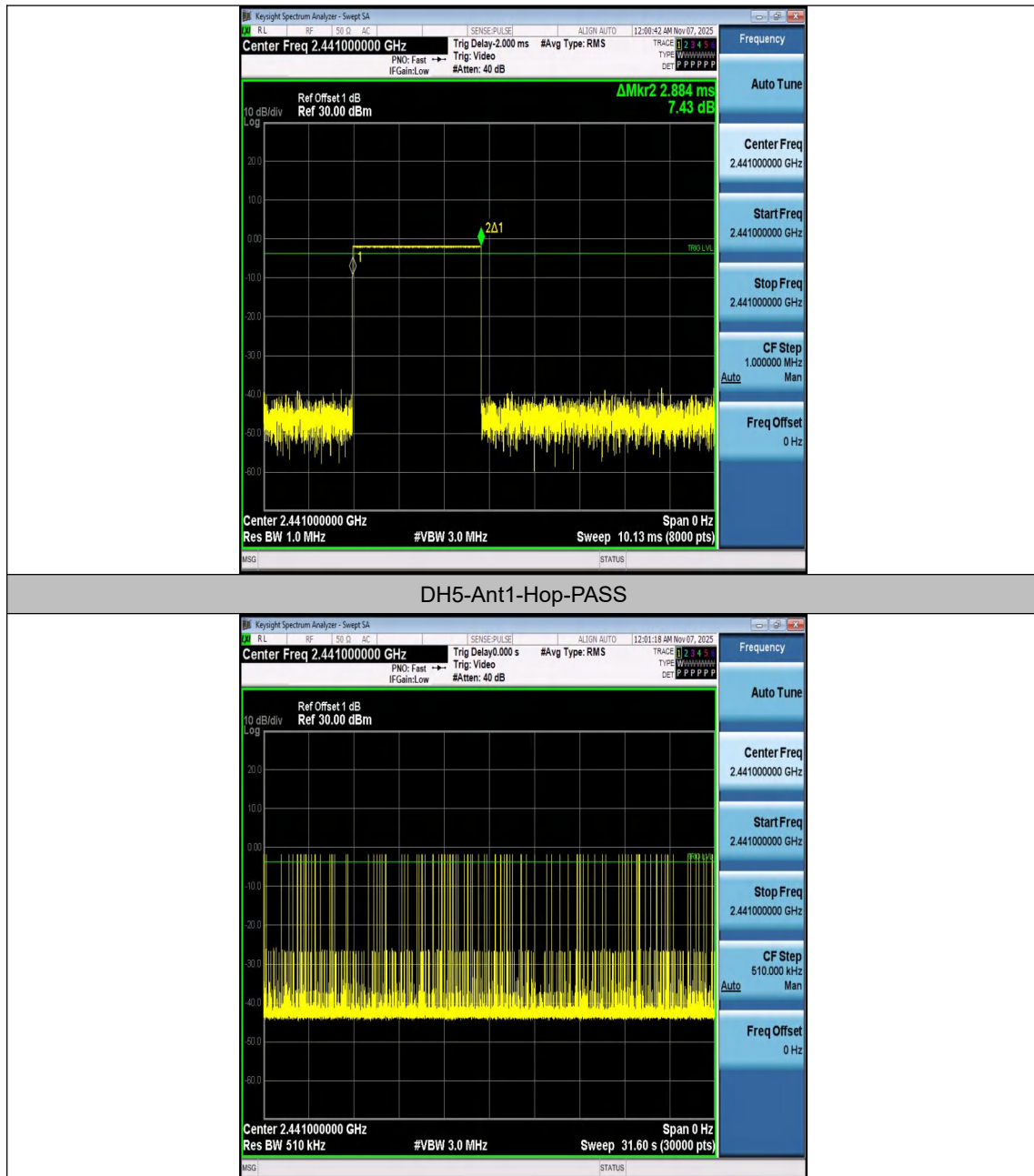
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.884	105	0.303	≤0.4	PASS
2DH5	Ant1	Hop	2.891	108	0.312	≤0.4	PASS
3DH5	Ant1	Hop	2.885	117	0.338	≤0.4	PASS

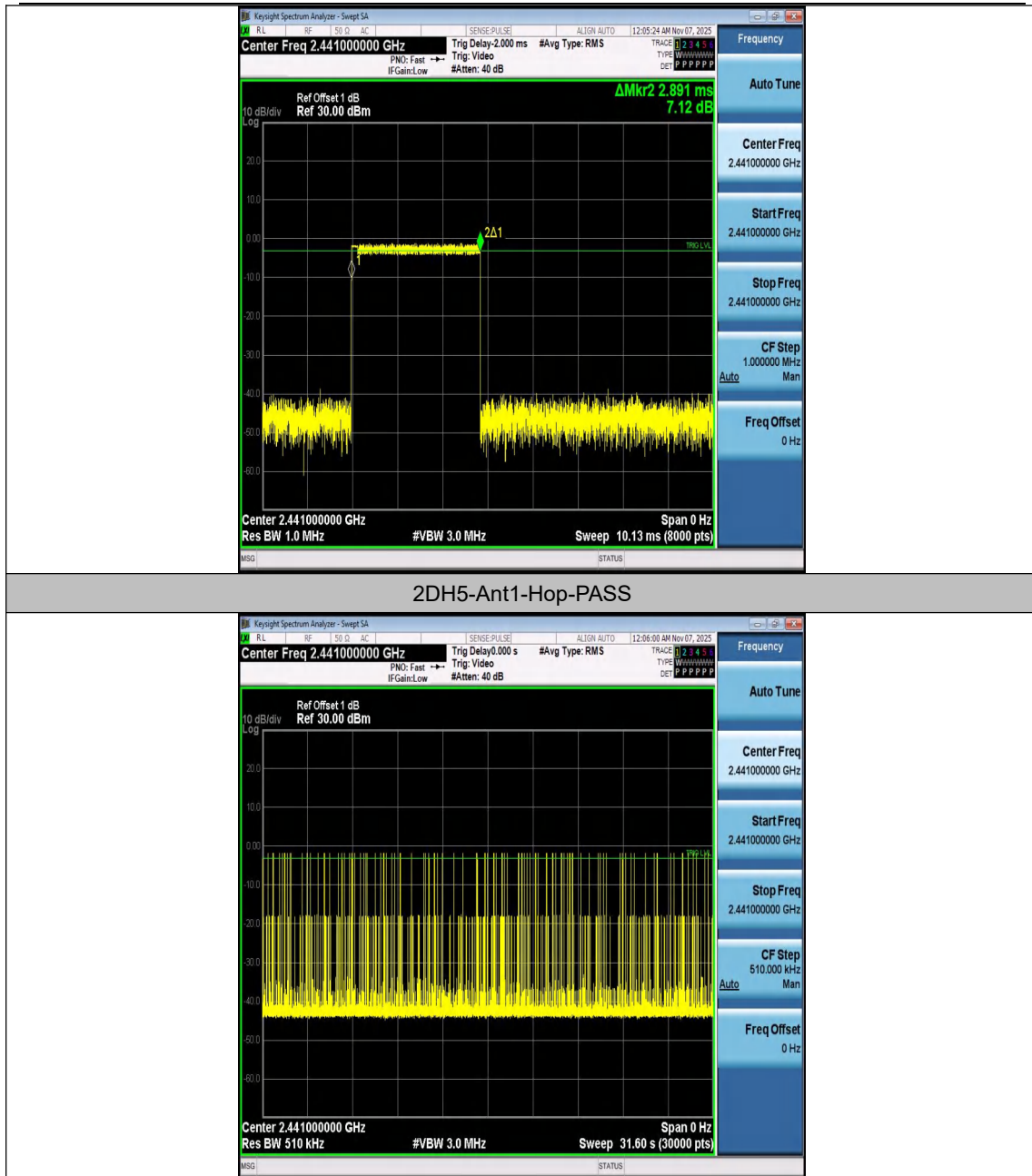
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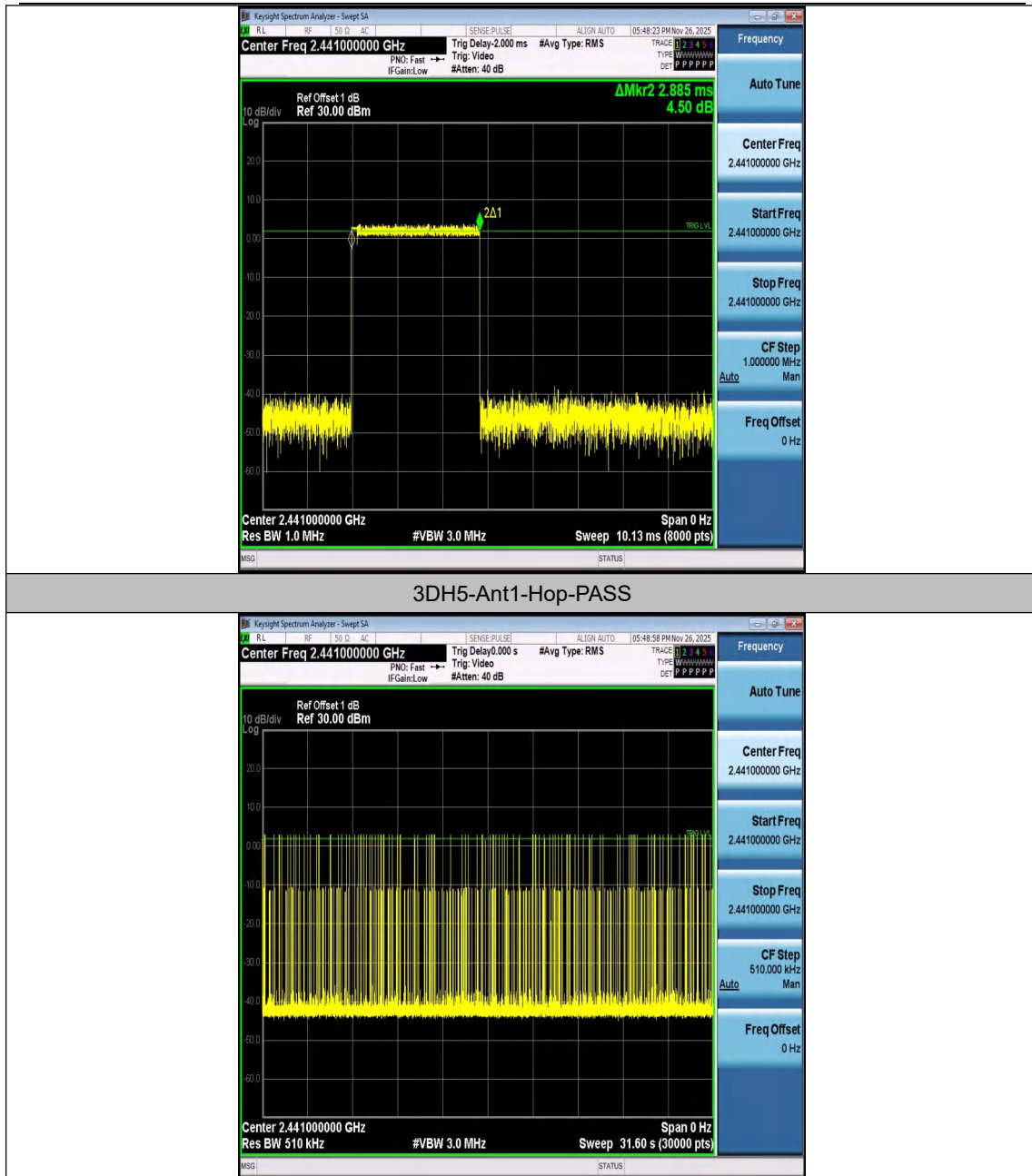
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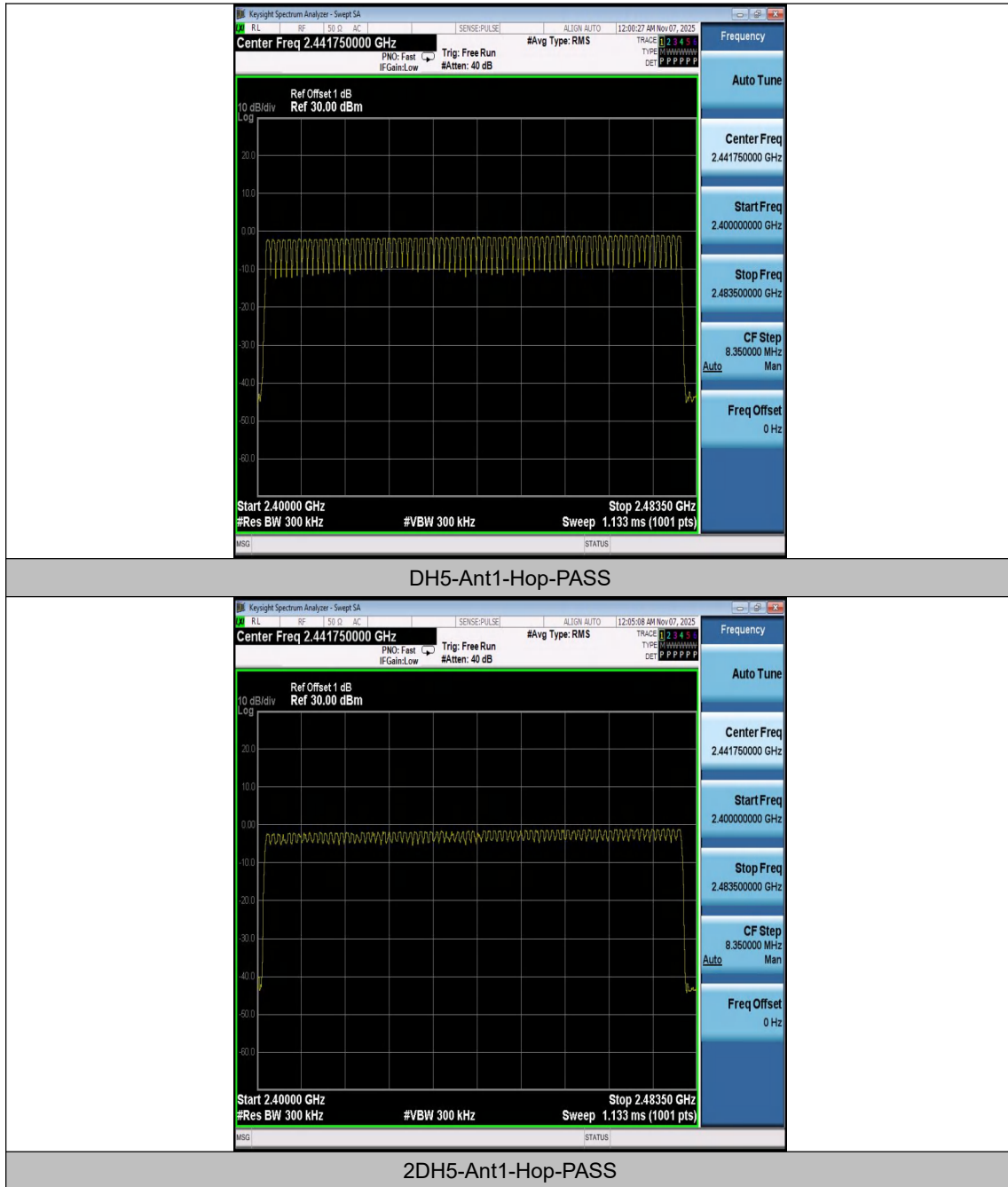
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Appendix F: Number of Hopping Channel

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

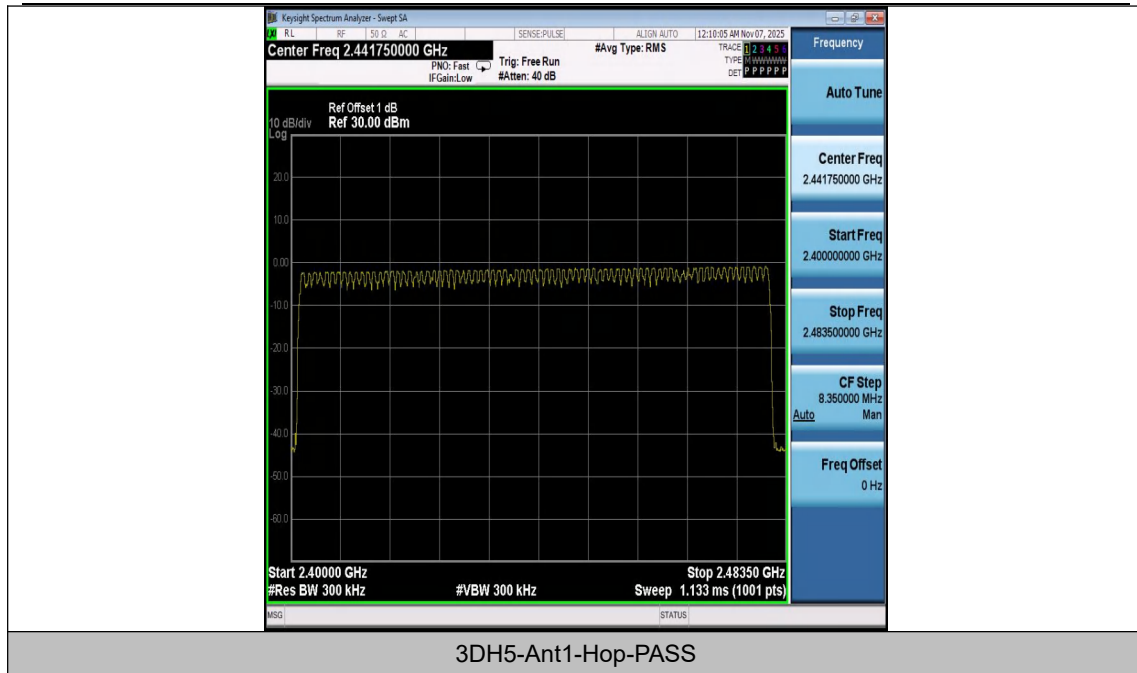
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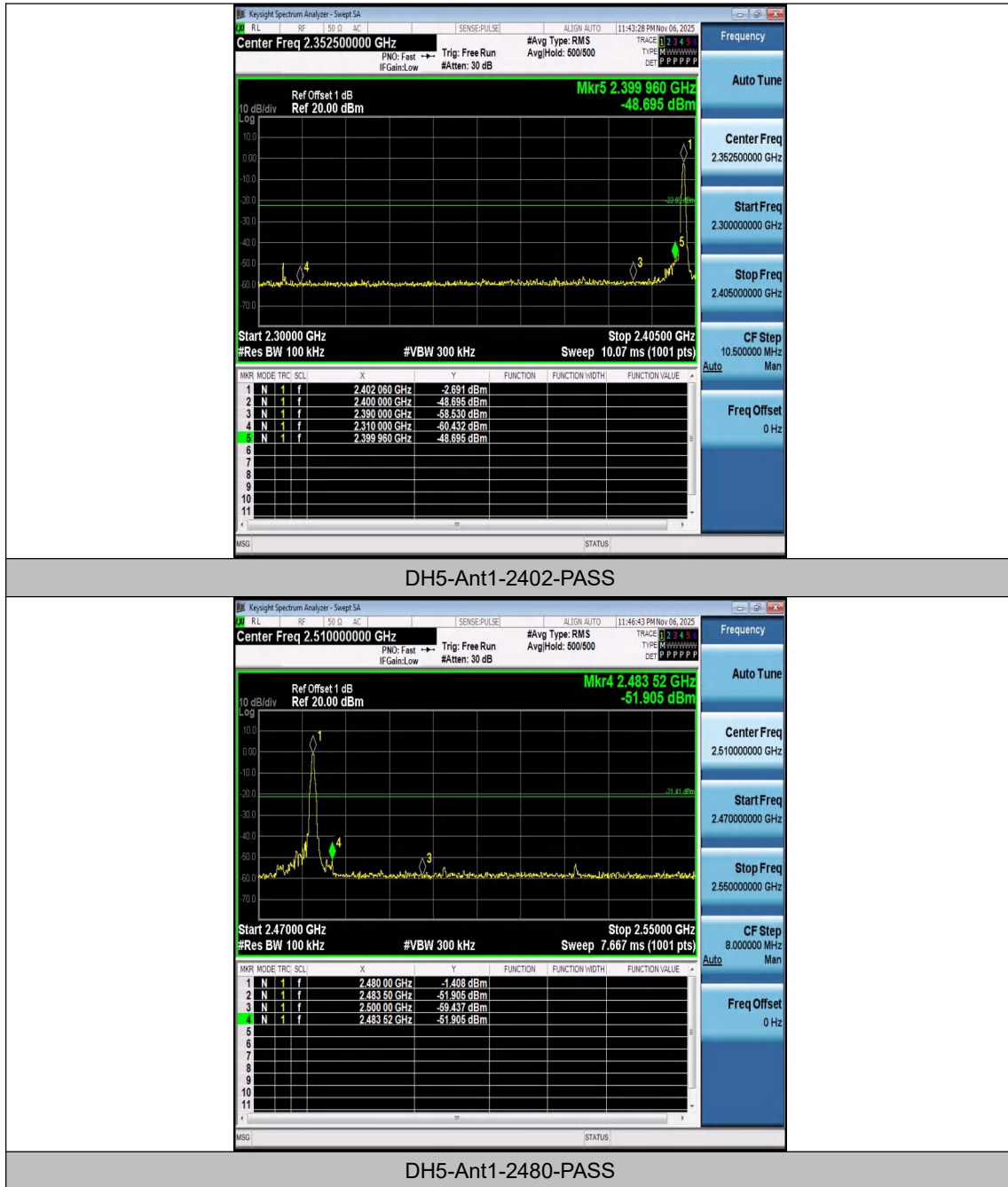
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.69	-48.7	≤-22.69	PASS
DH5	Ant1	High	2480	-1.41	-51.91	≤-21.41	PASS
DH5	Ant1	Low	Hop_2402	-2.76	-48.59	≤-22.76	PASS
DH5	Ant1	High	Hop_2480	-1.42	-45.43	≤-21.42	PASS
2DH5	Ant1	Low	2402	-2.53	-48.49	≤-22.53	PASS
2DH5	Ant1	High	2480	1.73	-49.17	≤-18.27	PASS
2DH5	Ant1	Low	Hop_2402	-5.90	-49.47	≤-25.9	PASS
2DH5	Ant1	High	Hop_2480	-1.66	-45.51	≤-21.66	PASS
3DH5	Ant1	Low	2402	-2.42	-49.27	≤-22.42	PASS
3DH5	Ant1	High	2480	-1.07	-55.12	≤-21.07	PASS
3DH5	Ant1	Low	Hop_2402	-2.52	-50.4	≤-22.52	PASS
3DH5	Ant1	High	Hop_2480	-1.46	-44.04	≤-21.46	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.

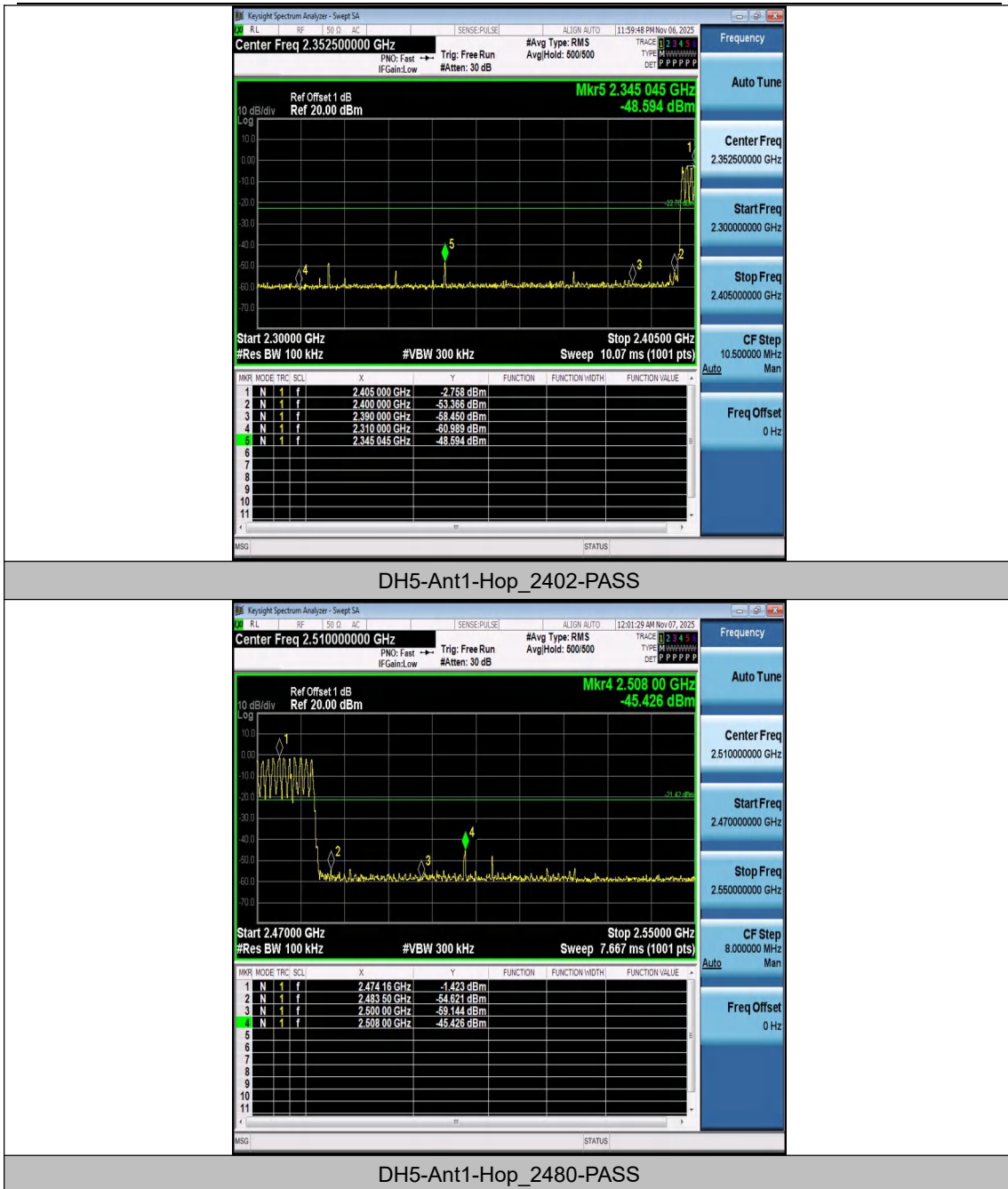
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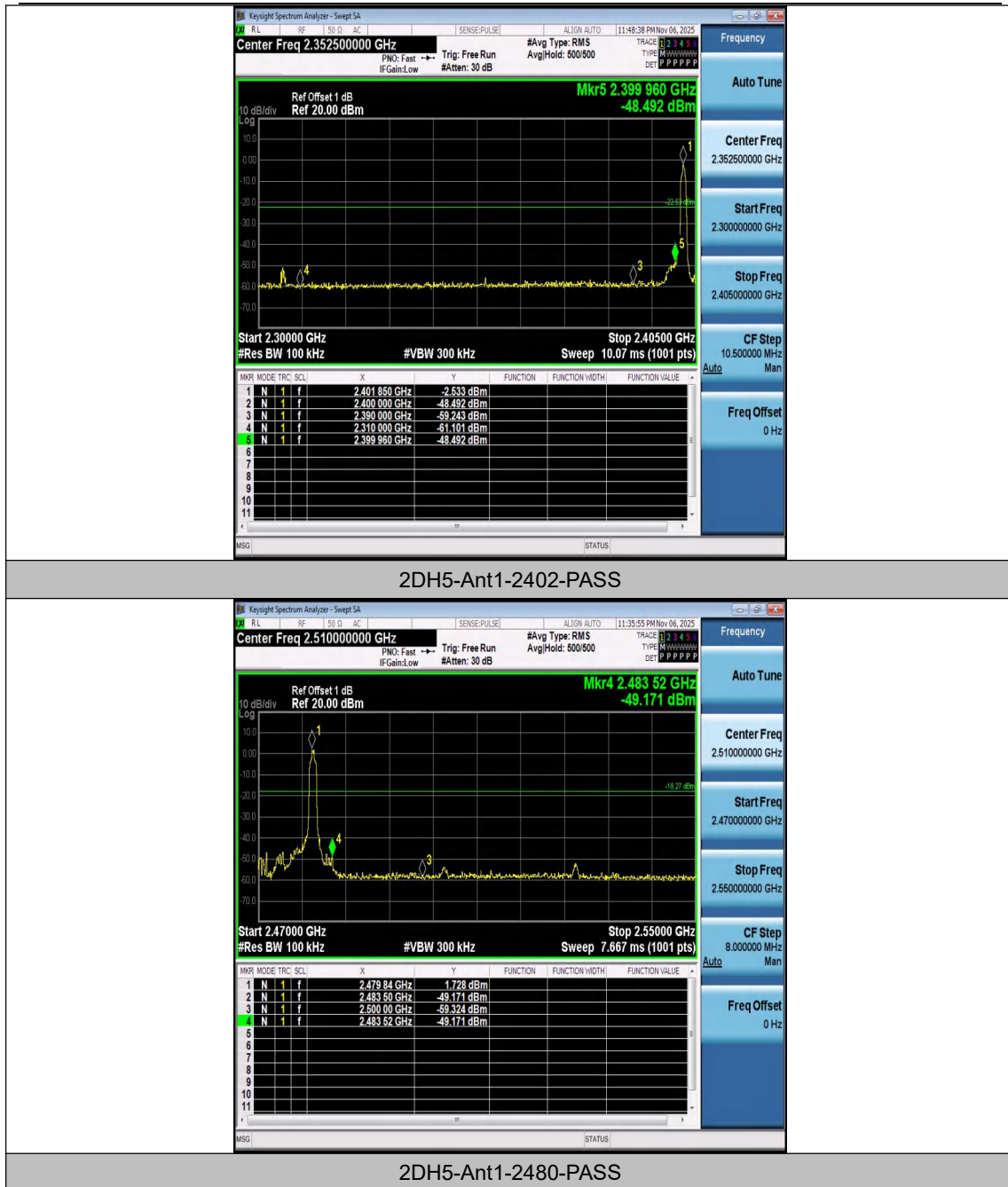


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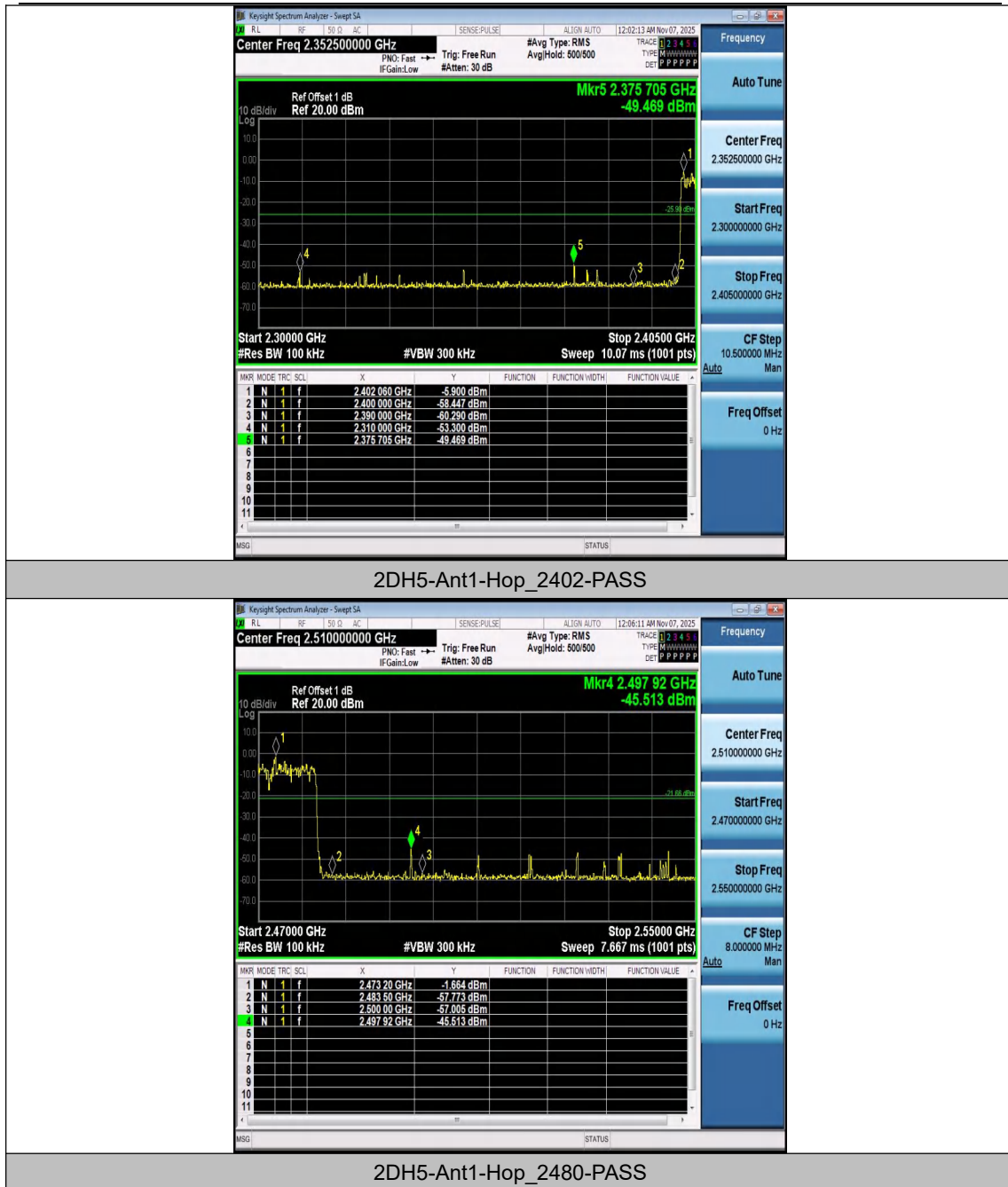




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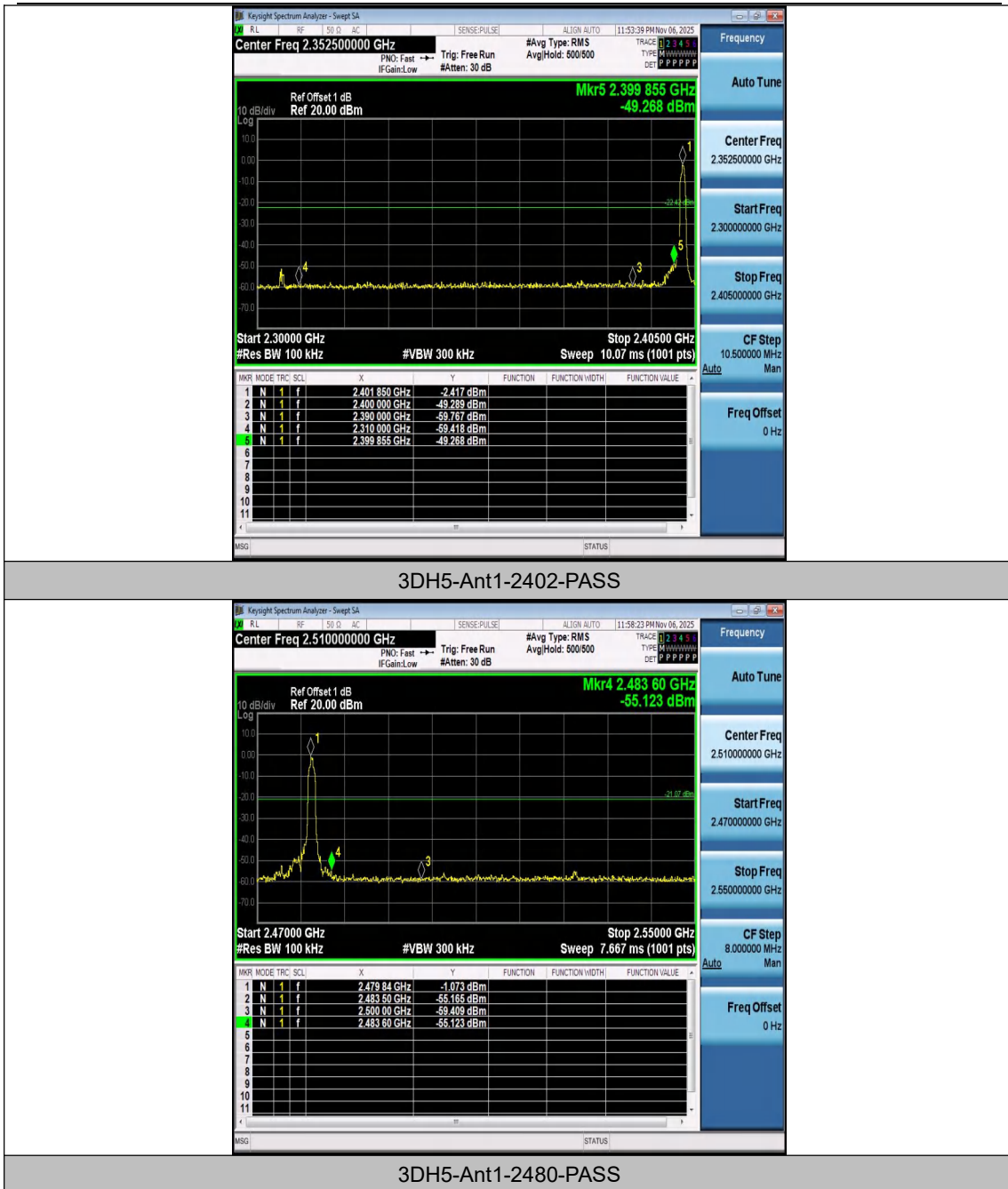
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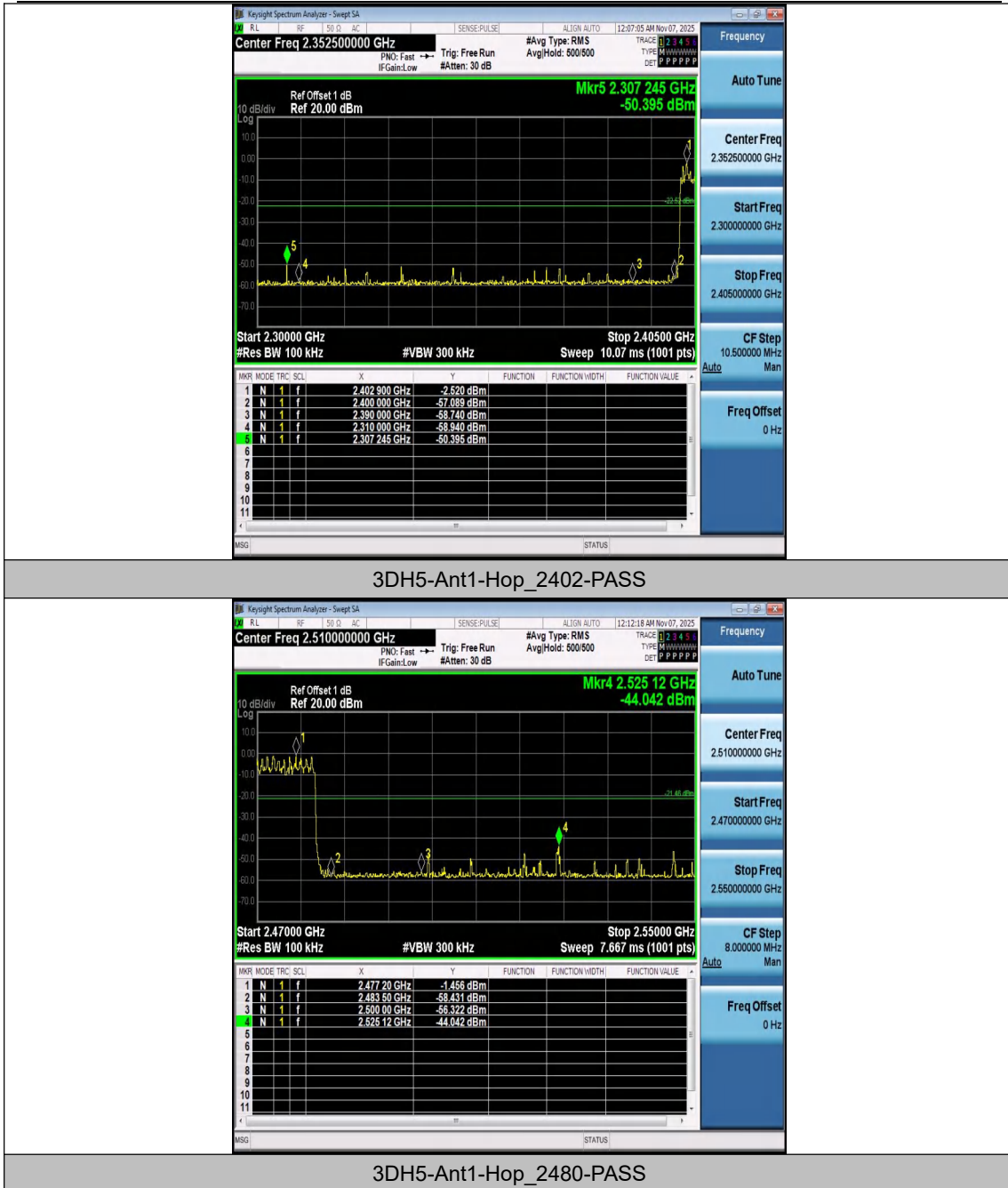
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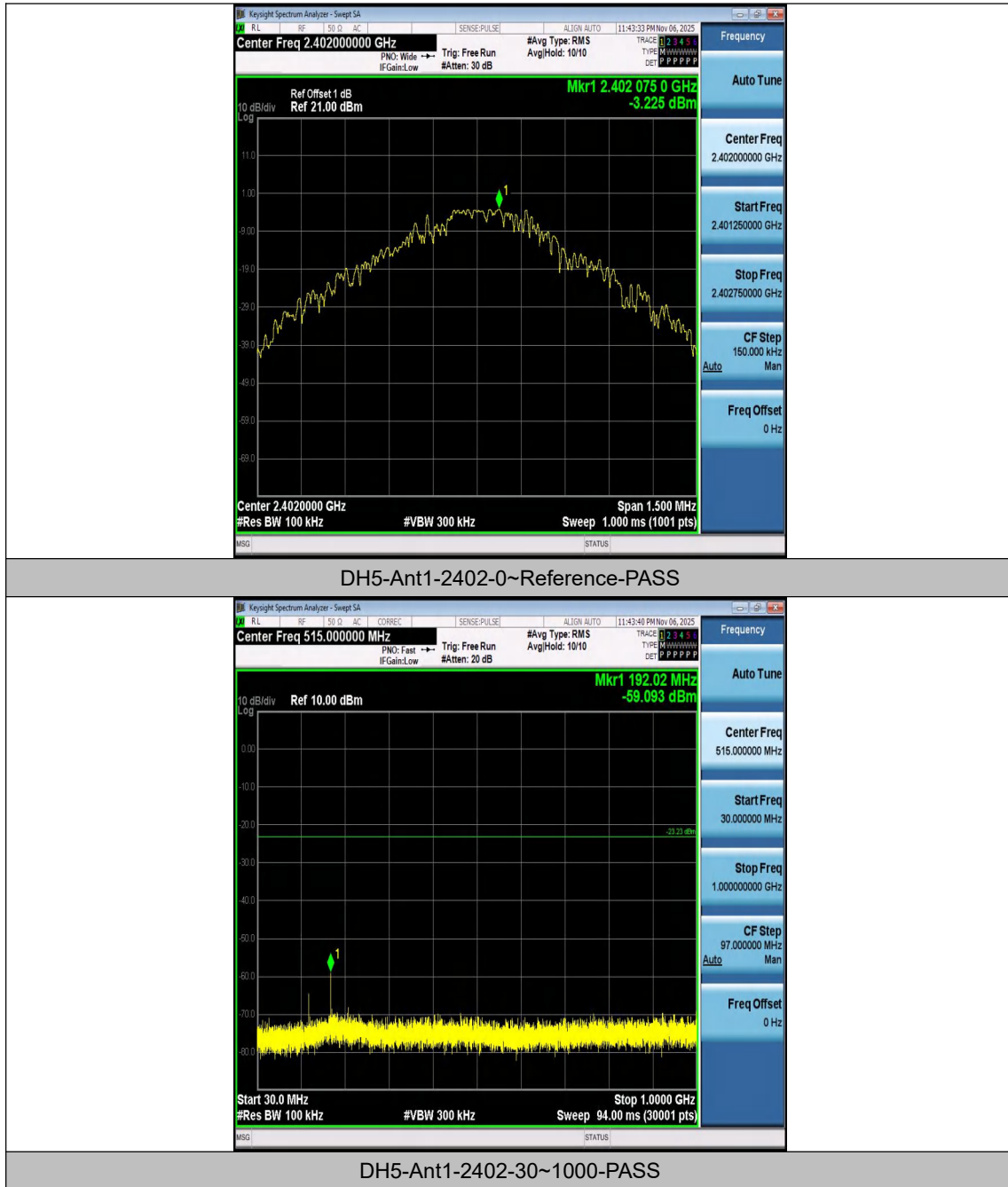
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.23	-3.23	---	PASS
DH5	Ant1	2402	30~1000	-3.23	-59.09	≤-23.23	PASS
DH5	Ant1	2402	1000~26500	-3.23	-47.51	≤-23.23	PASS
DH5	Ant1	2441	0~Reference	-2.40	-2.40	---	PASS
DH5	Ant1	2441	30~1000	-2.40	-61.71	≤-22.4	PASS
DH5	Ant1	2441	1000~26500	-2.40	-45.84	≤-22.4	PASS
DH5	Ant1	2480	0~Reference	-2.02	-2.02	---	PASS
DH5	Ant1	2480	30~1000	-2.02	-61.42	≤-22.02	PASS
DH5	Ant1	2480	1000~26500	-2.02	-43.3	≤-22.02	PASS
2DH5	Ant1	2402	0~Reference	-4.69	-4.69	---	PASS
2DH5	Ant1	2402	30~1000	-4.69	-68.58	≤-24.69	PASS
2DH5	Ant1	2402	1000~26500	-4.69	-47.1	≤-24.69	PASS
2DH5	Ant1	2441	0~Reference	-5.15	-5.15	---	PASS
2DH5	Ant1	2441	30~1000	-5.15	-59.88	≤-25.15	PASS
2DH5	Ant1	2441	1000~26500	-5.15	-45.7	≤-25.15	PASS
2DH5	Ant1	2480	0~Reference	1.46	1.46	---	PASS
2DH5	Ant1	2480	30~1000	1.46	-53.47	≤-18.54	PASS
2DH5	Ant1	2480	1000~26500	1.46	-40.83	≤-18.54	PASS
3DH5	Ant1	2402	0~Reference	-2.40	-2.40	---	PASS
3DH5	Ant1	2402	30~1000	-2.40	-68.53	≤-22.4	PASS
3DH5	Ant1	2402	1000~26500	-2.40	-47.28	≤-22.4	PASS
3DH5	Ant1	2441	0~Reference	-4.83	-4.83	---	PASS
3DH5	Ant1	2441	30~1000	-4.83	-56.54	≤-24.83	PASS
3DH5	Ant1	2441	1000~26500	-4.83	-45.73	≤-24.83	PASS
3DH5	Ant1	2480	0~Reference	-4.92	-4.92	---	PASS
3DH5	Ant1	2480	30~1000	-4.92	-53.68	≤-24.92	PASS
3DH5	Ant1	2480	1000~26500	-4.92	-43.19	≤-24.92	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.

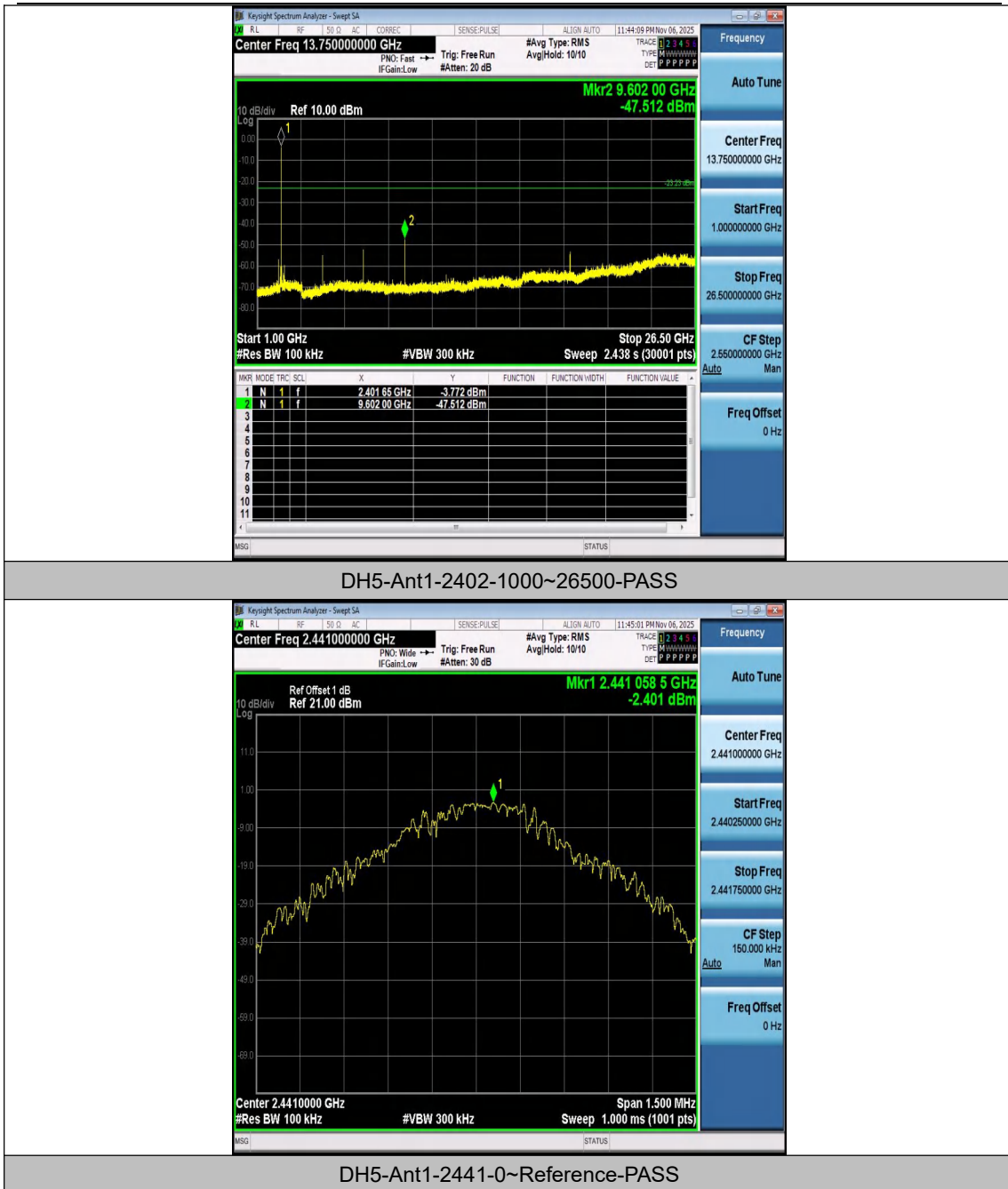
Test Graphs



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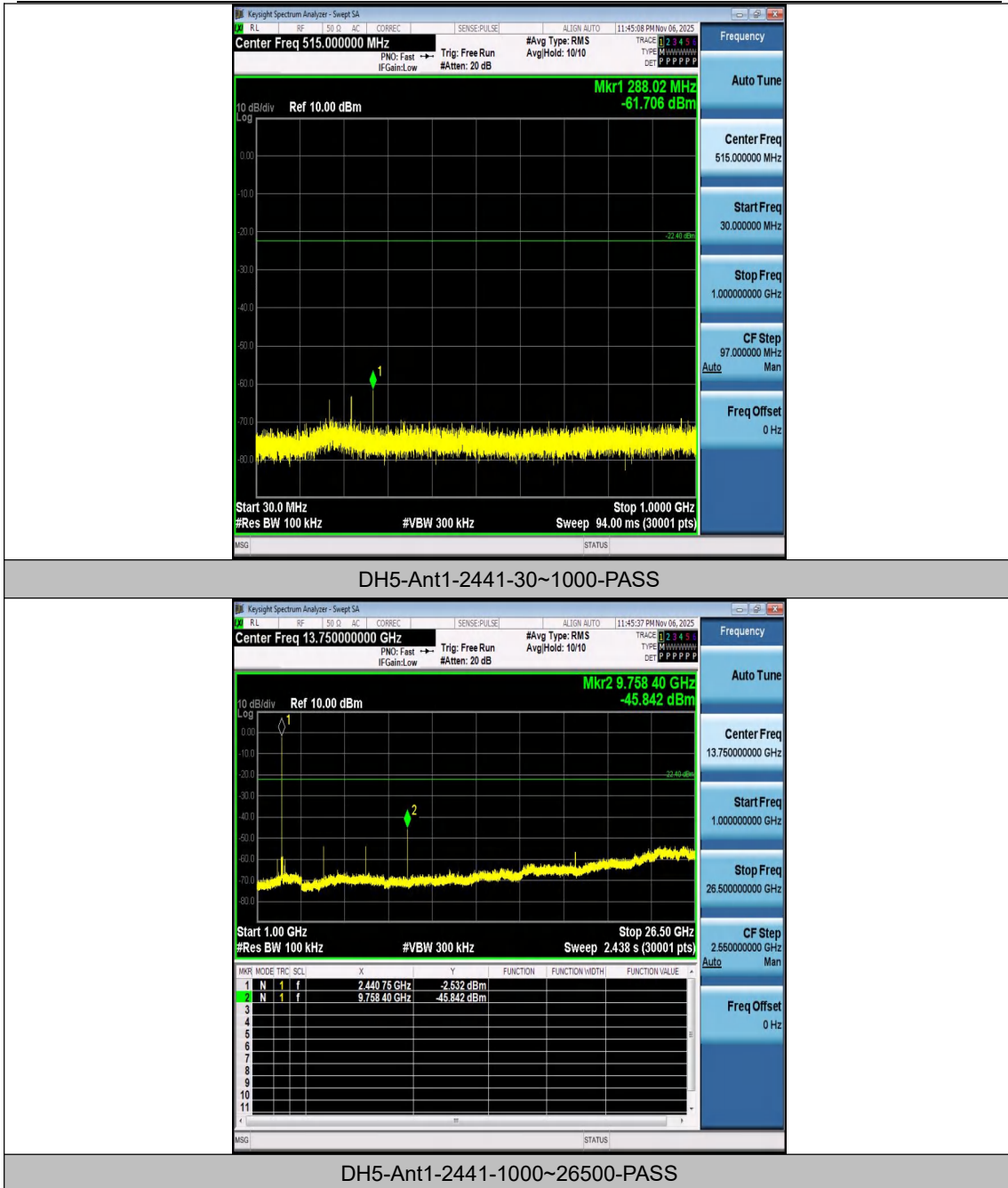
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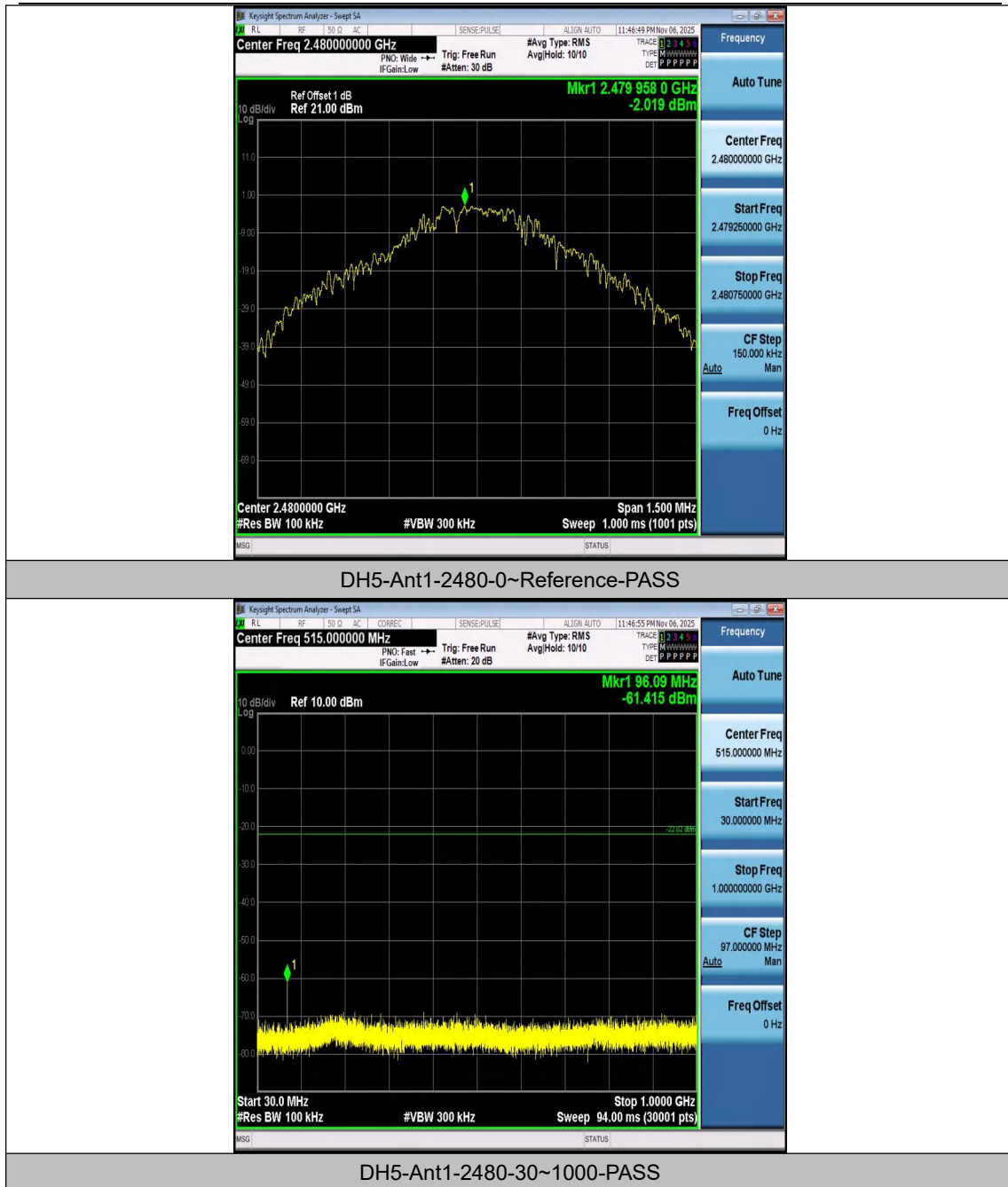
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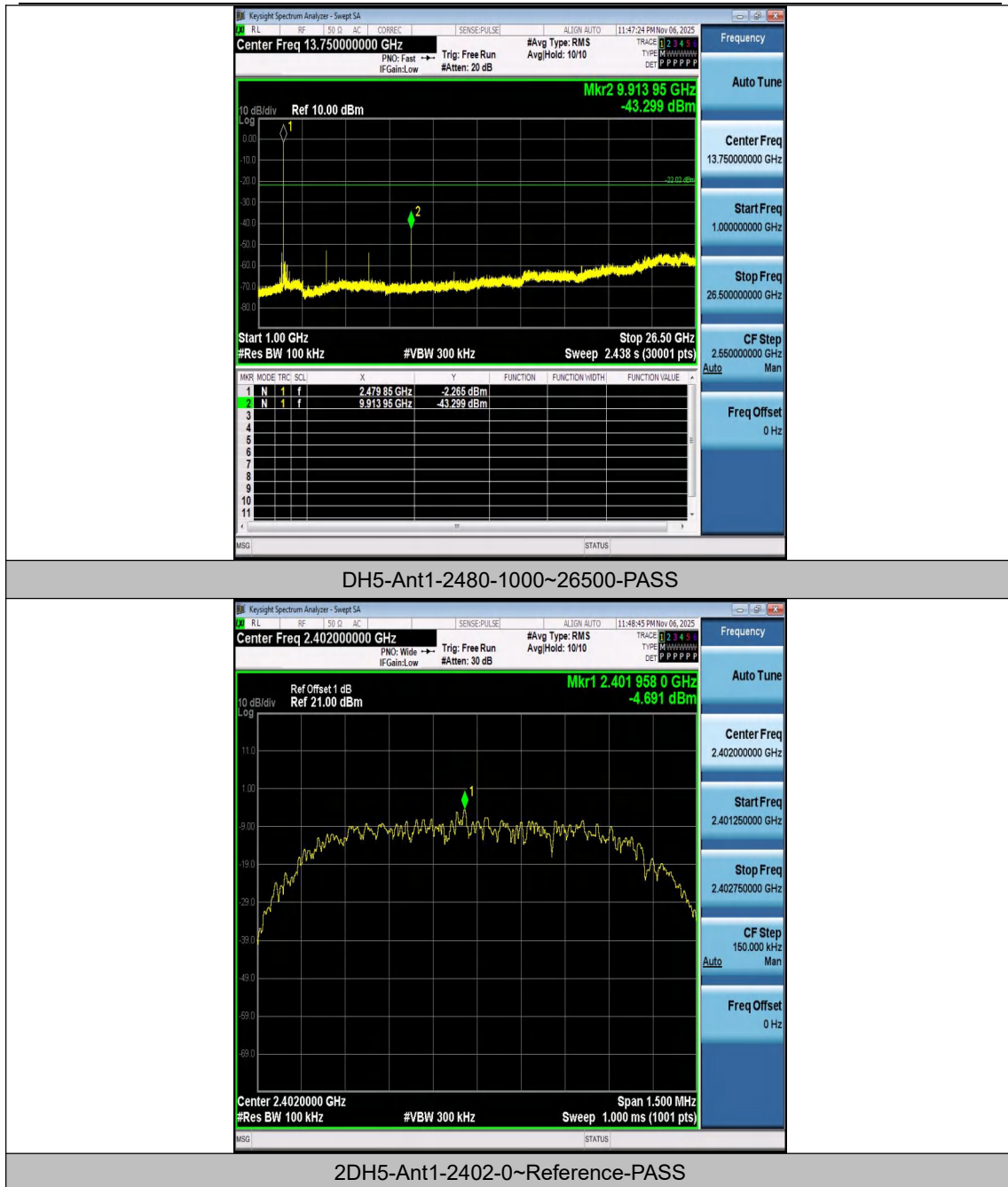
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