

Appendix Test Data

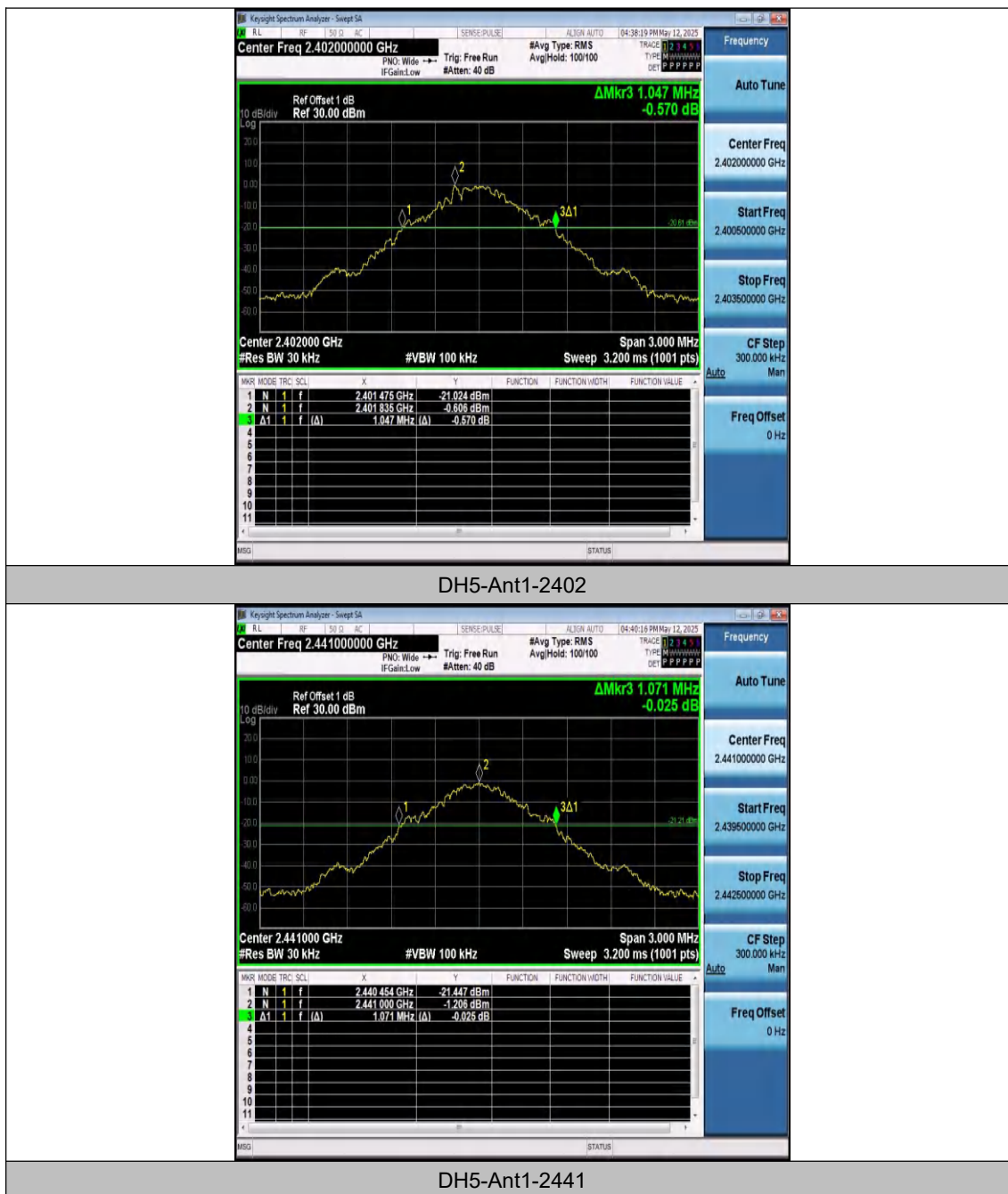
Report No.:	1812C50125512501	Test Sample No.:	1-2-2
Start Test Date:	2025-05-12	Finish Test Date:	2025-05-12
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25°C	Relative Humidity:	56%
Pressure:	101kPa		

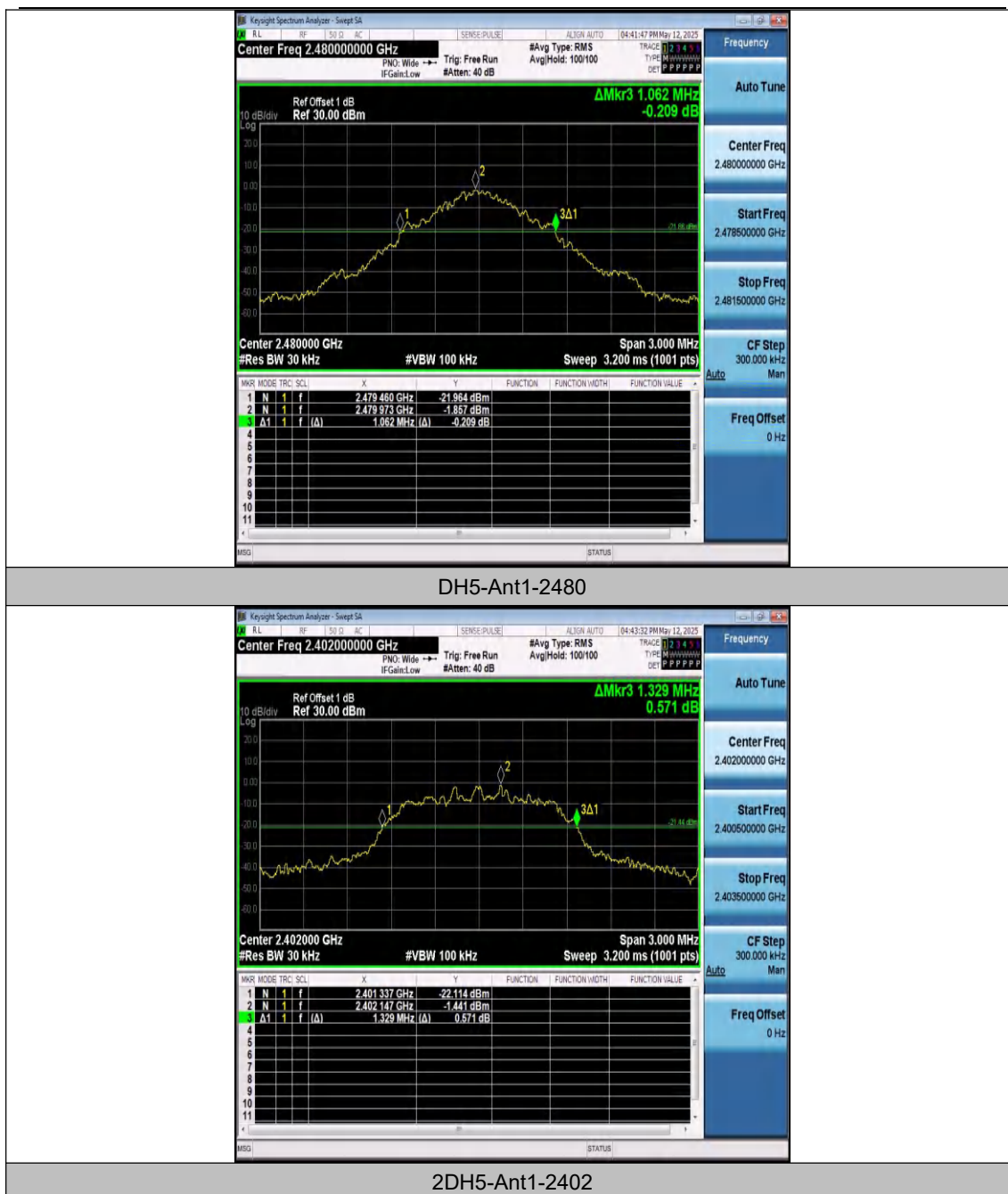
Appendix A: 20dB Bandwidth

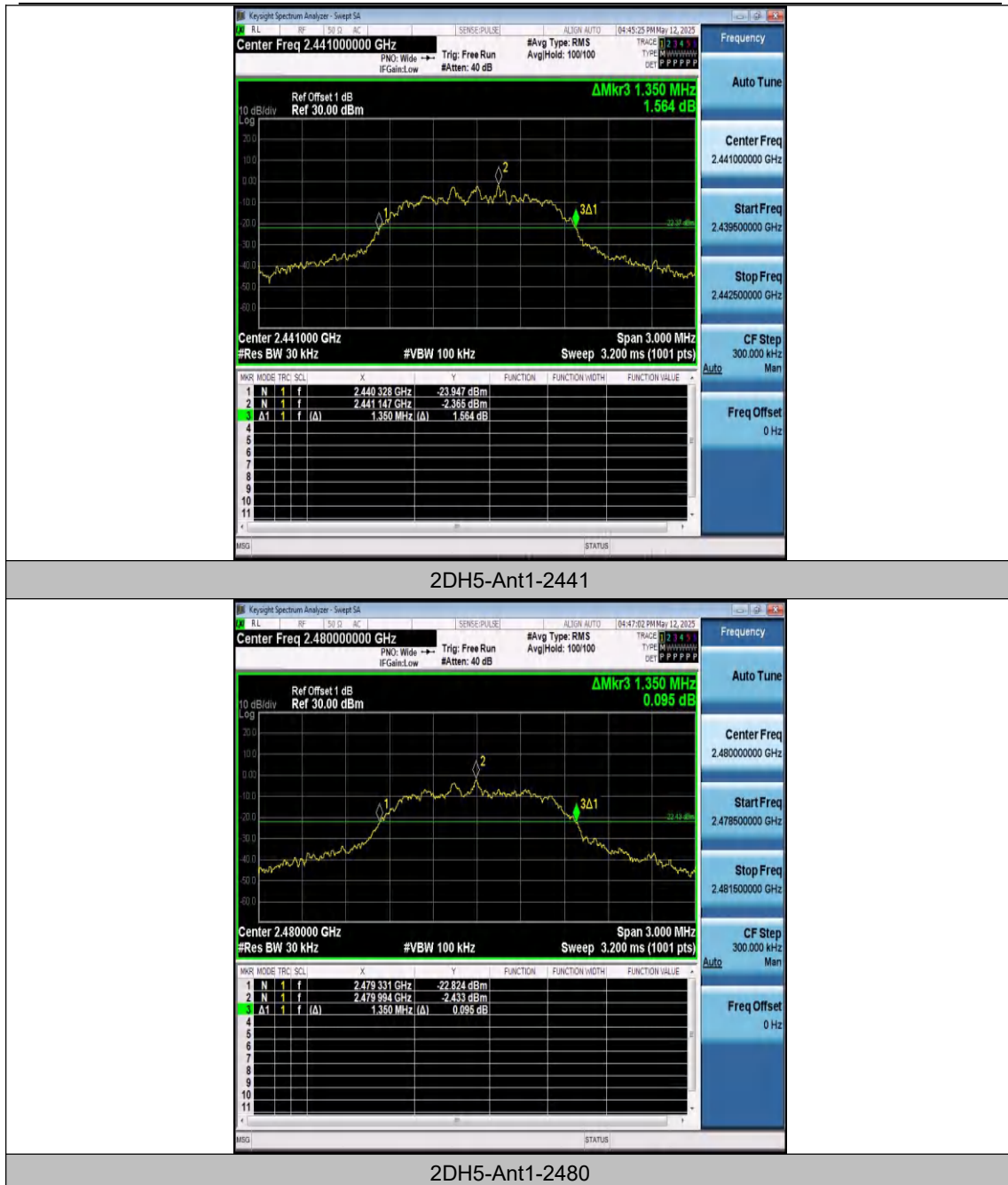
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.047	2401.475	2402.522	---	---
DH5	Ant1	2441	1.071	2440.454	2441.525	---	---
DH5	Ant1	2480	1.062	2479.460	2480.522	---	---
2DH5	Ant1	2402	1.329	2401.337	2402.666	---	---
2DH5	Ant1	2441	1.350	2440.328	2441.678	---	---
2DH5	Ant1	2480	1.350	2479.331	2480.681	---	---
3DH5	Ant1	2402	1.347	2401.322	2402.669	---	---
3DH5	Ant1	2441	1.311	2440.349	2441.660	---	---
3DH5	Ant1	2480	1.275	2479.364	2480.639	---	---

Test Graphs









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3DH5-Ant1-2480

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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	0.92977	2401.5338	2402.4635	---	---
DH5	Ant1	2441	0.95174	2440.5225	2441.4742	---	---
DH5	Ant1	2480	0.96126	2479.5160	2480.4773	---	---
2DH5	Ant1	2402	1.2370	2401.3915	2402.6285	---	---
2DH5	Ant1	2441	1.2322	2440.3979	2441.6301	---	---
2DH5	Ant1	2480	1.2434	2479.3855	2480.6289	---	---
3DH5	Ant1	2402	1.2293	2401.3842	2402.6135	---	---
3DH5	Ant1	2441	1.2234	2440.3898	2441.6132	---	---
3DH5	Ant1	2480	1.2267	2479.3890	2480.6157	---	---



Test Graphs



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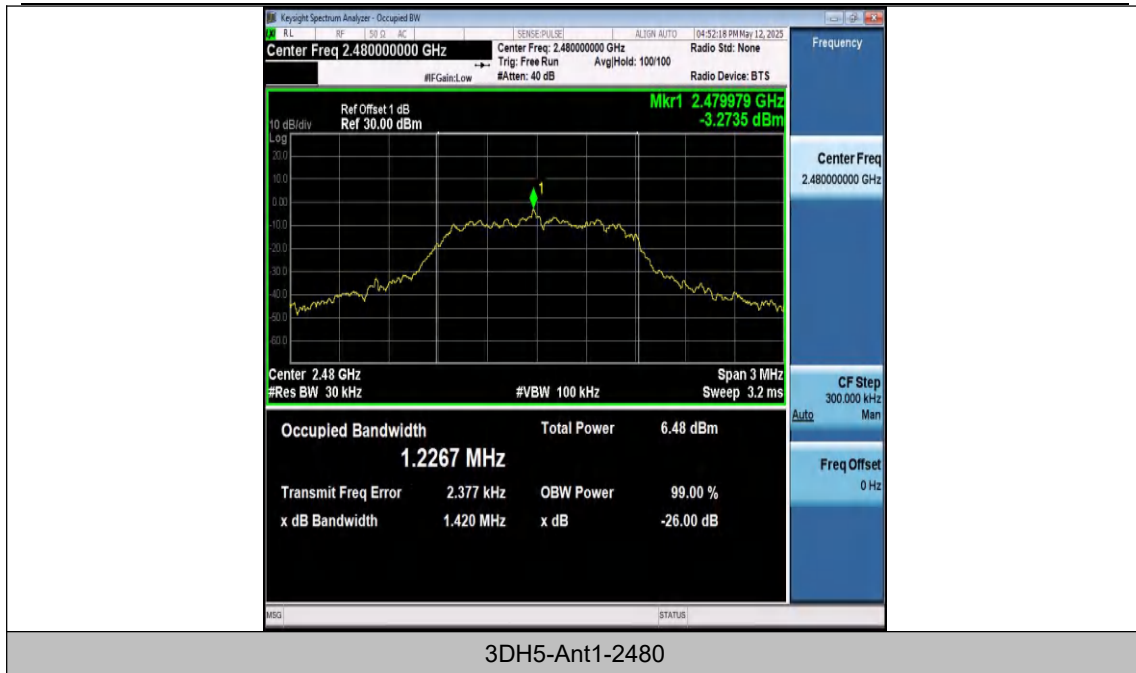
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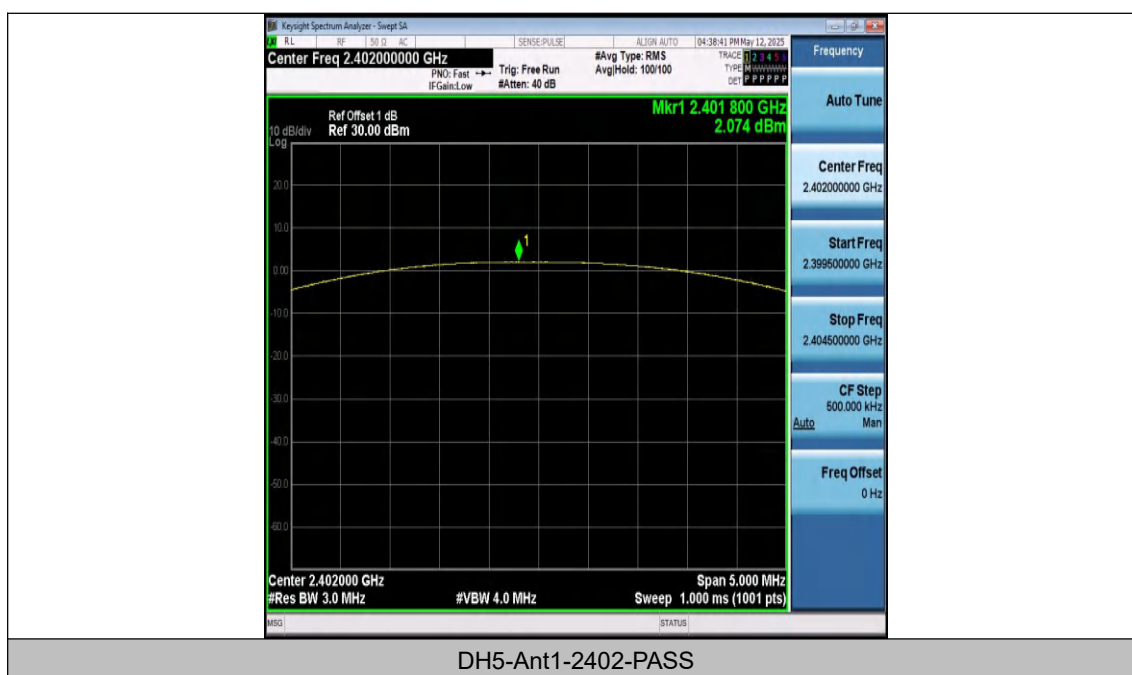
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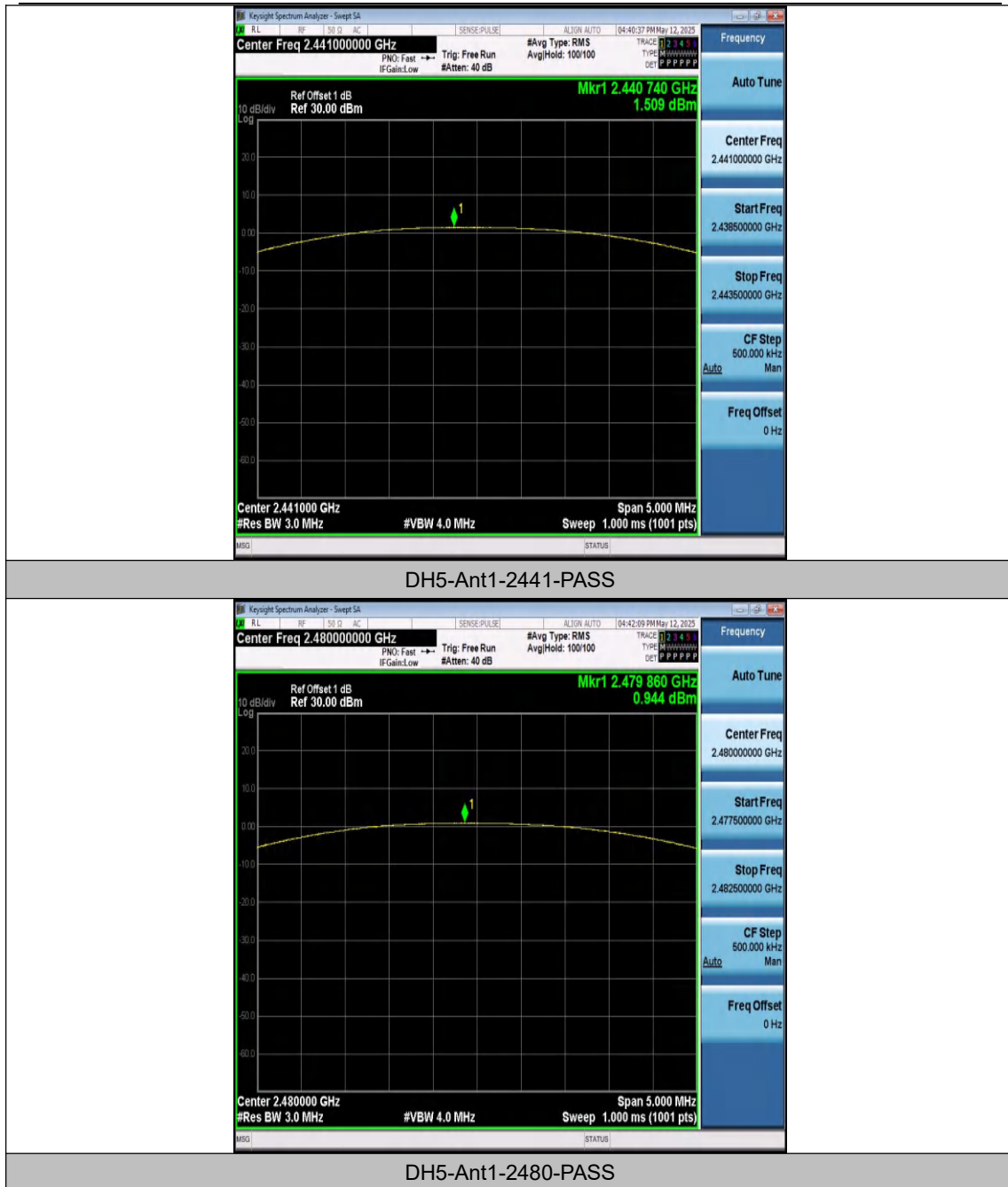
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.07	≤20.97	PASS
DH5	Ant1	2441	1.51	≤20.97	PASS
DH5	Ant1	2480	0.94	≤20.97	PASS
2DH5	Ant1	2402	2.78	≤20.97	PASS
2DH5	Ant1	2441	2.26	≤20.97	PASS
2DH5	Ant1	2480	1.74	≤20.97	PASS
3DH5	Ant1	2402	3.11	≤20.97	PASS
3DH5	Ant1	2441	2.56	≤20.97	PASS
3DH5	Ant1	2480	2.00	≤20.97	PASS

Test Graphs

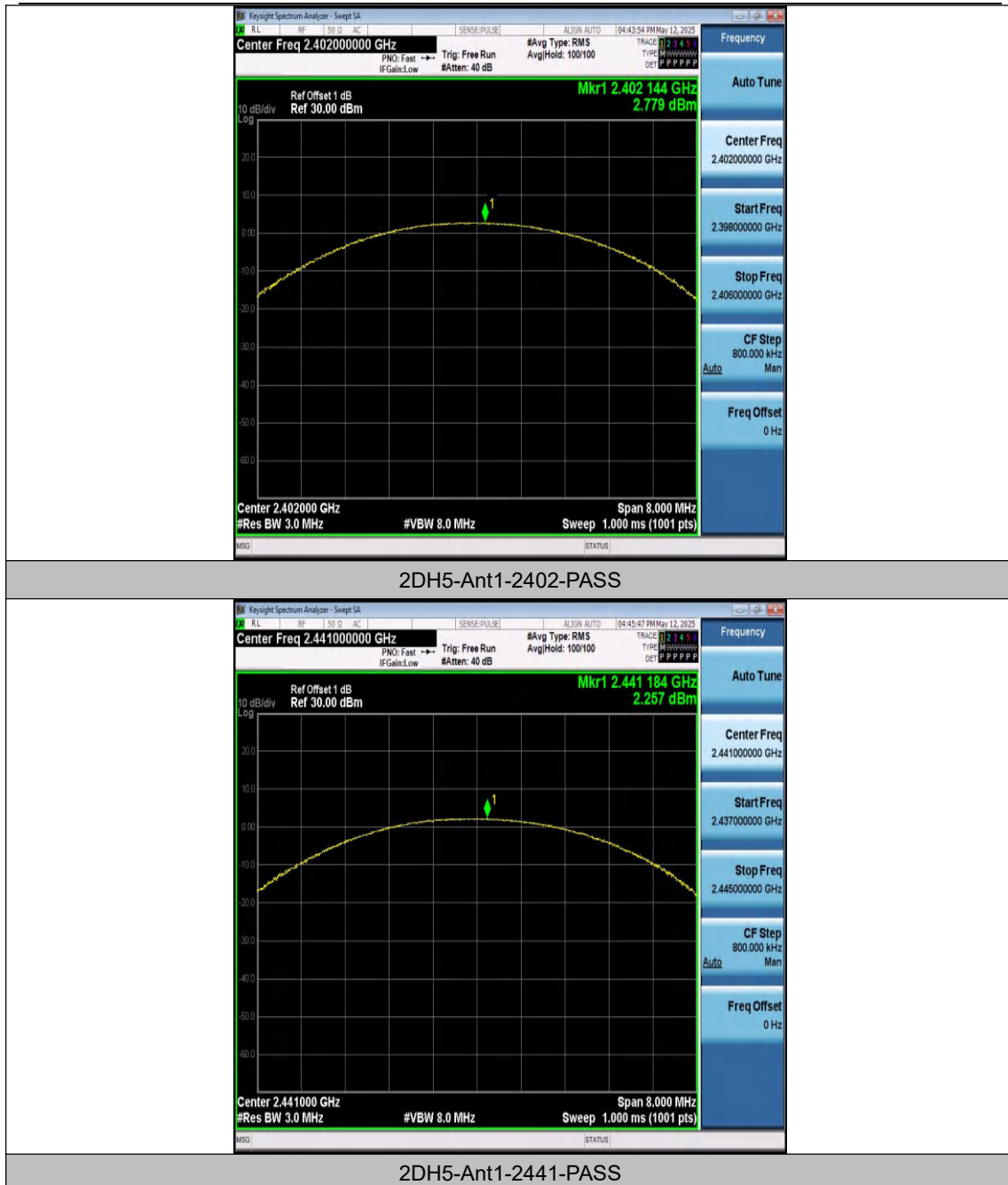




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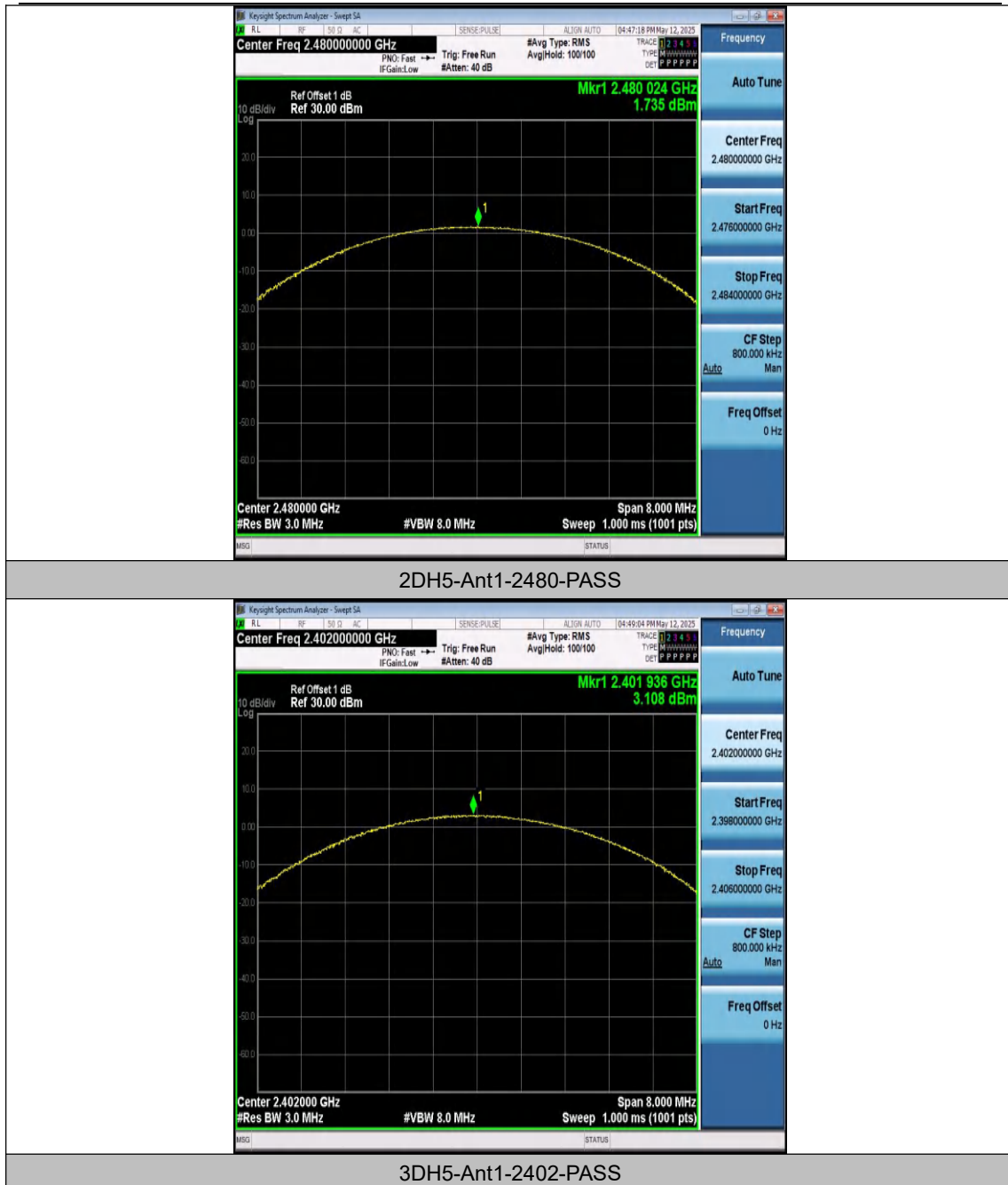
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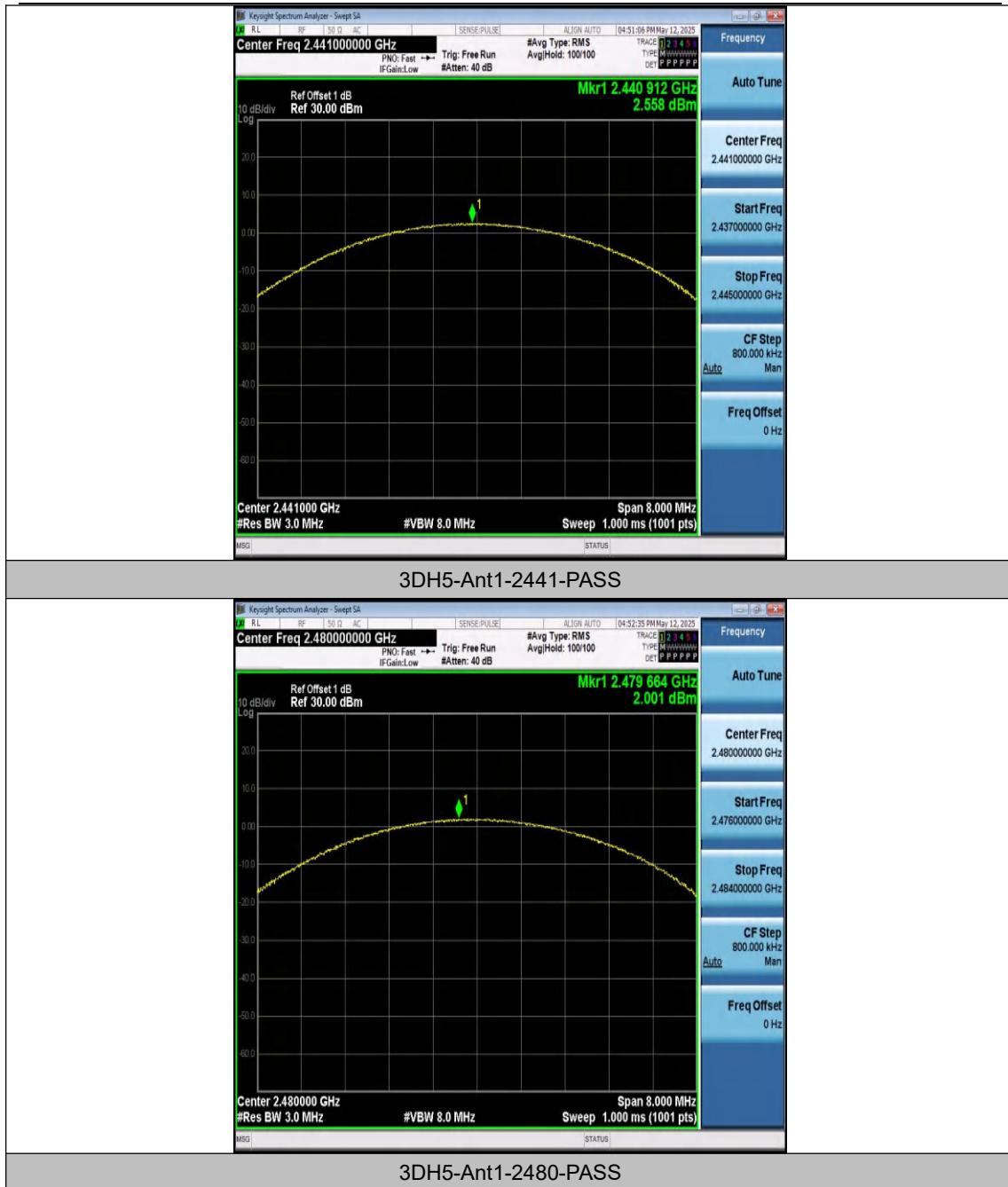


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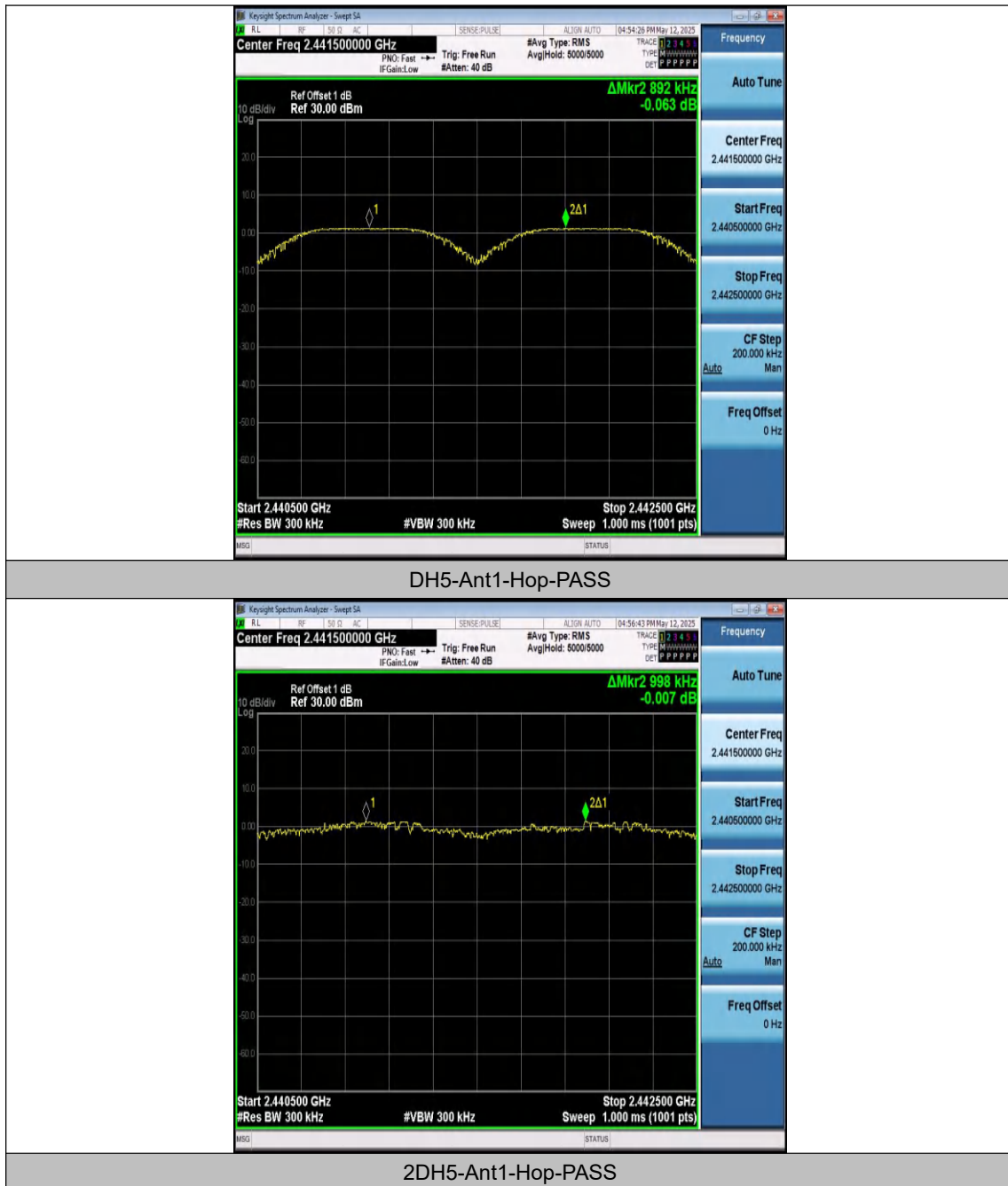
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.892	≥0.714	PASS
2DH5	Ant1	Hop	0.998	≥0.900	PASS
3DH5	Ant1	Hop	1.006	≥0.898	PASS



Test Graphs



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Appendix E: Dwell Time

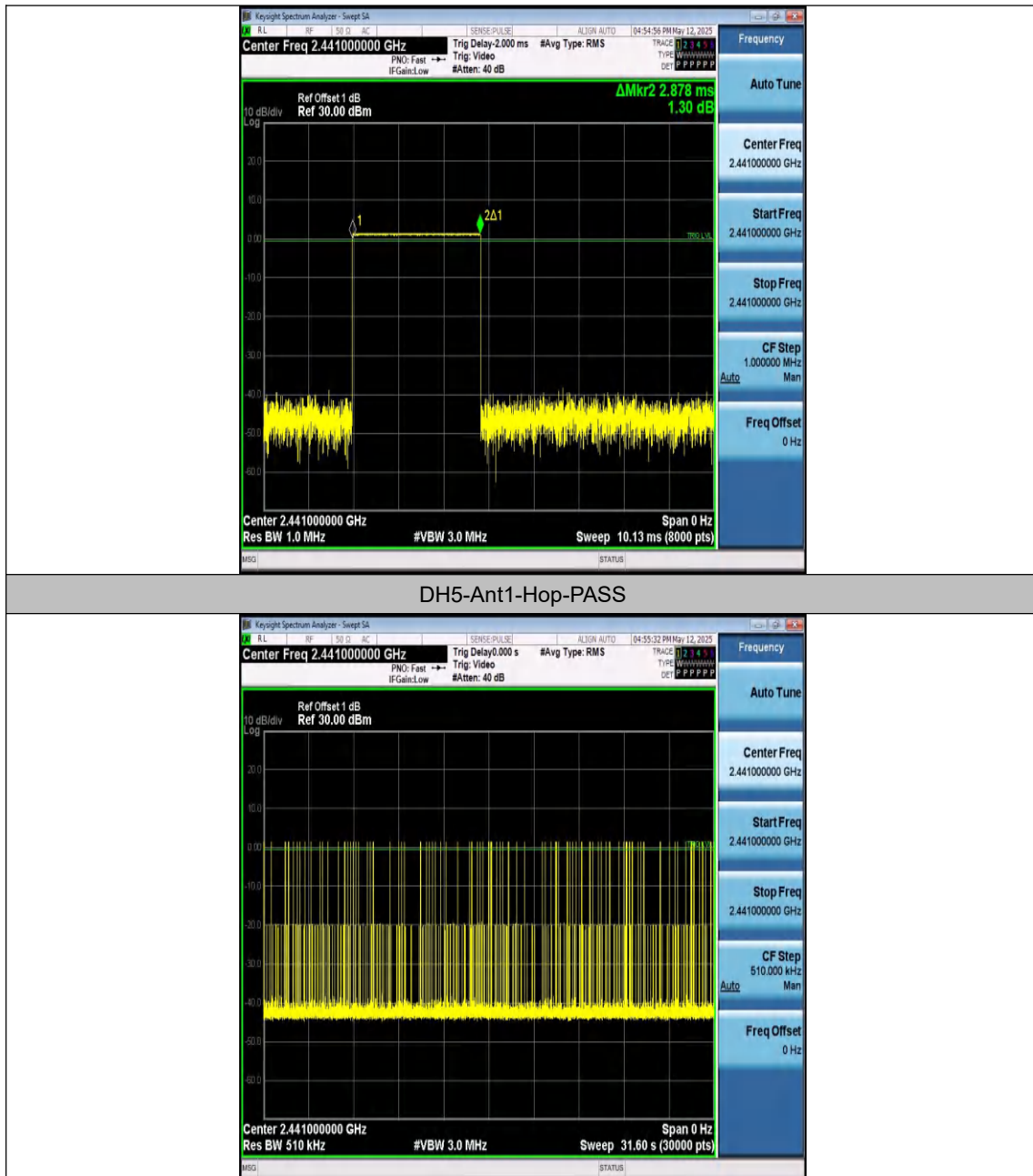
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	104	0.299	≤0.4	PASS
2DH5	Ant1	Hop	2.884	87	0.251	≤0.4	PASS
3DH5	Ant1	Hop	2.887	106	0.306	≤0.4	PASS

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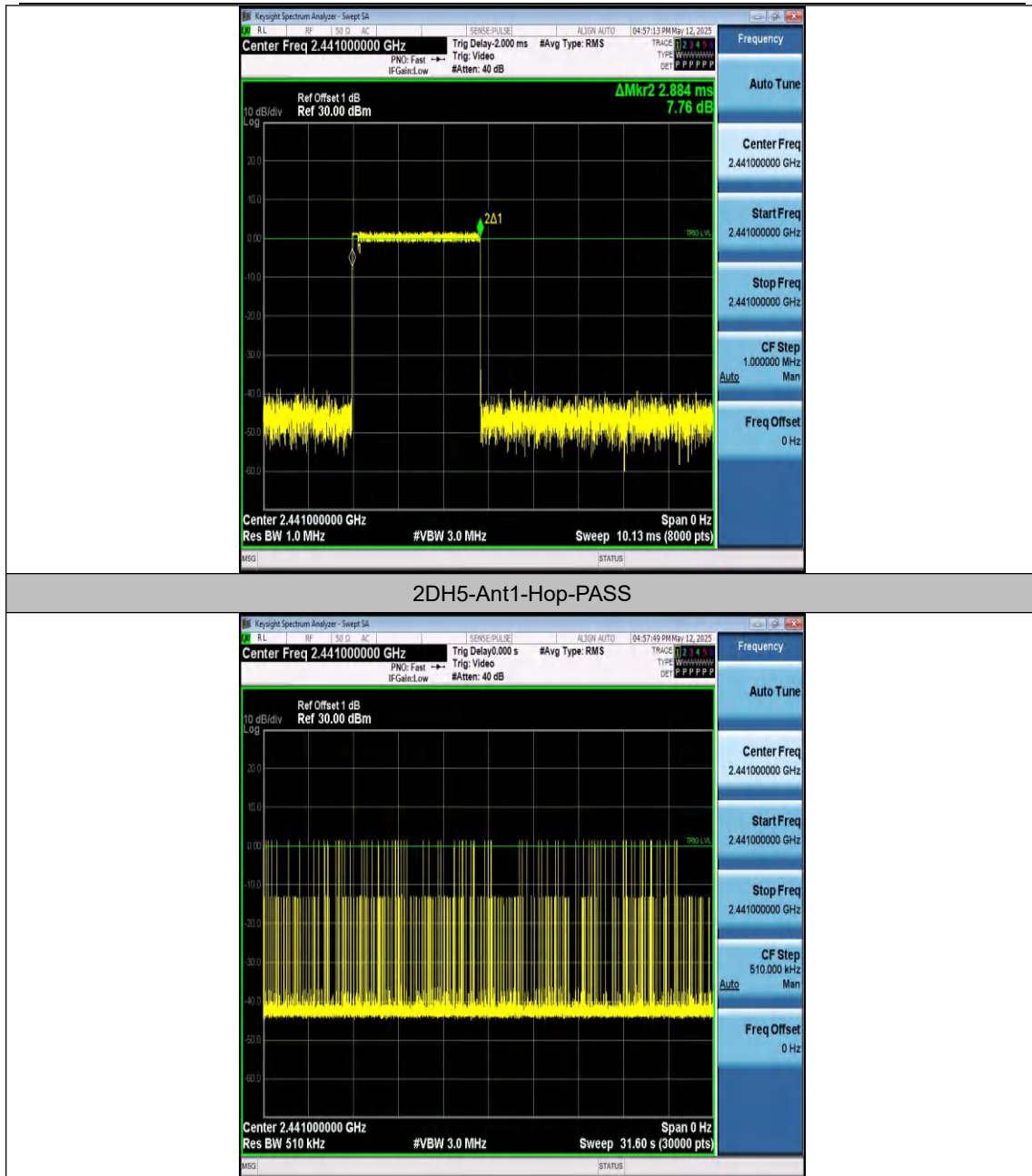
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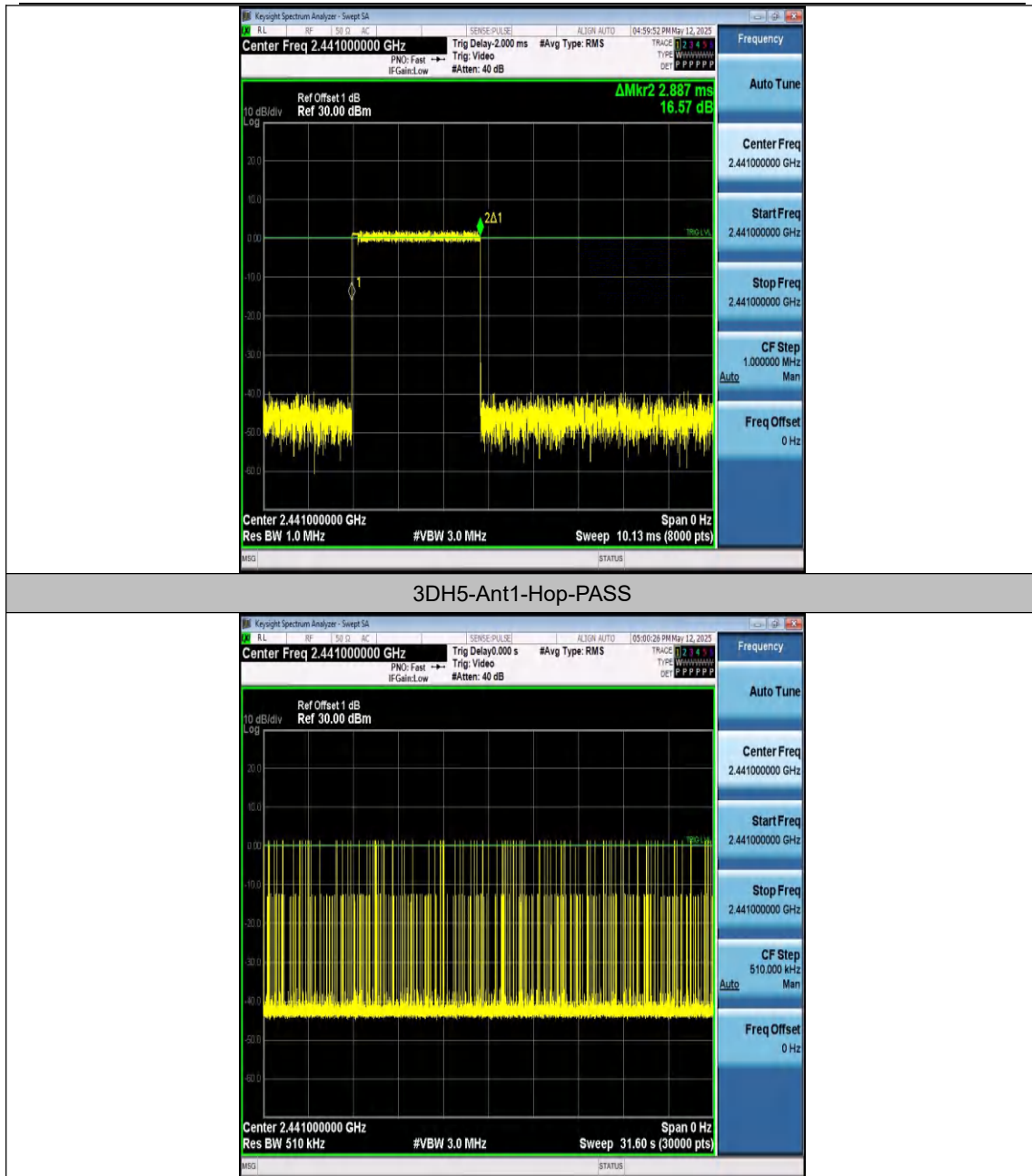
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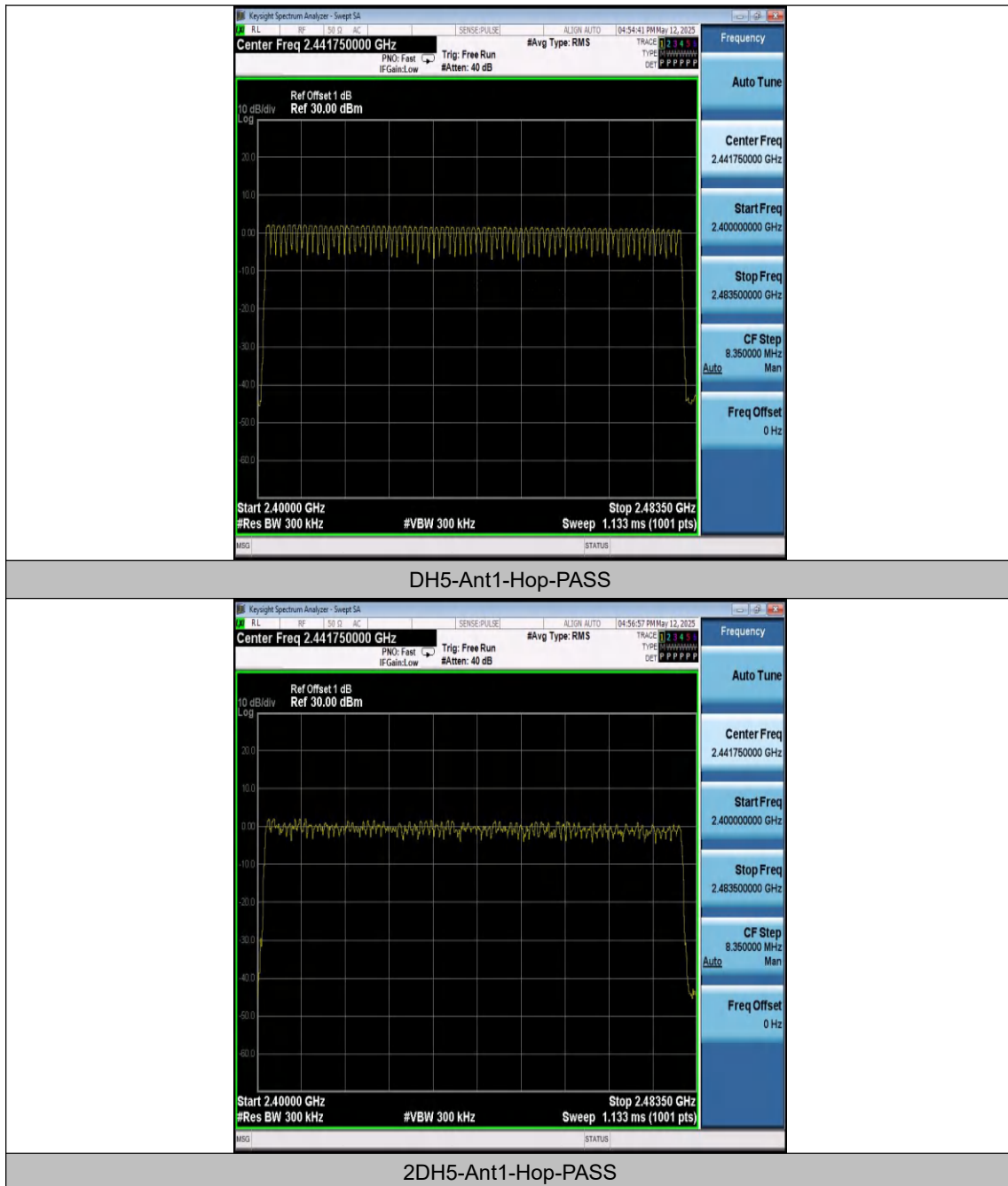
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Appendix F: Number of Hopping Channel

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

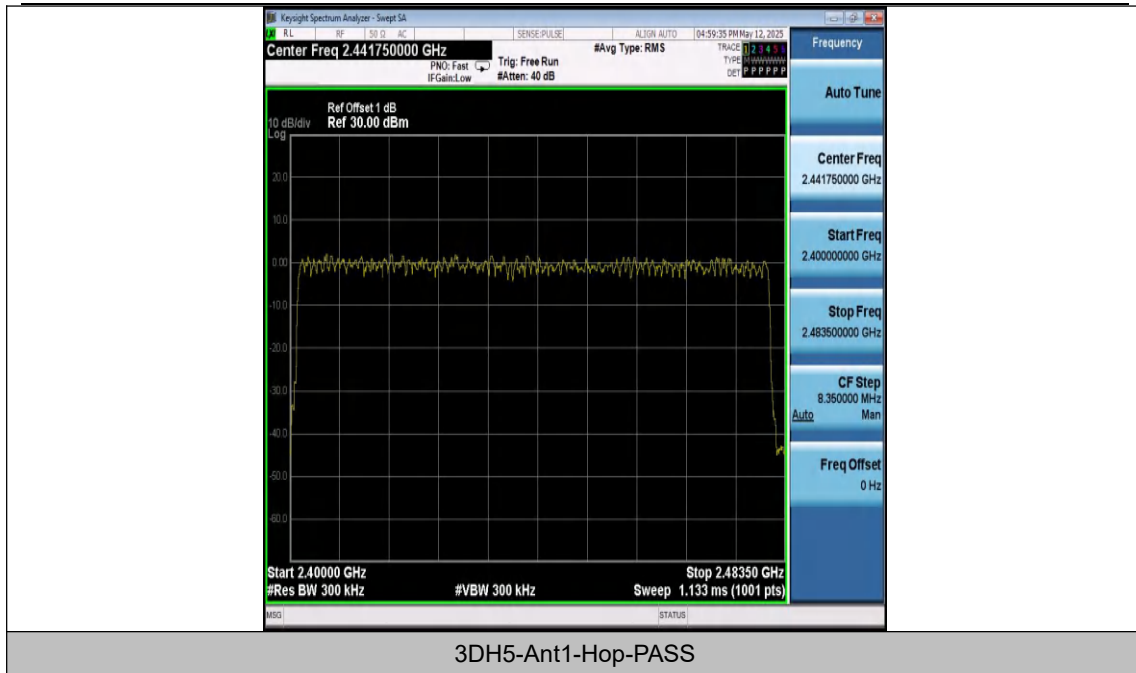
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Appendix G: Conducted Band edge

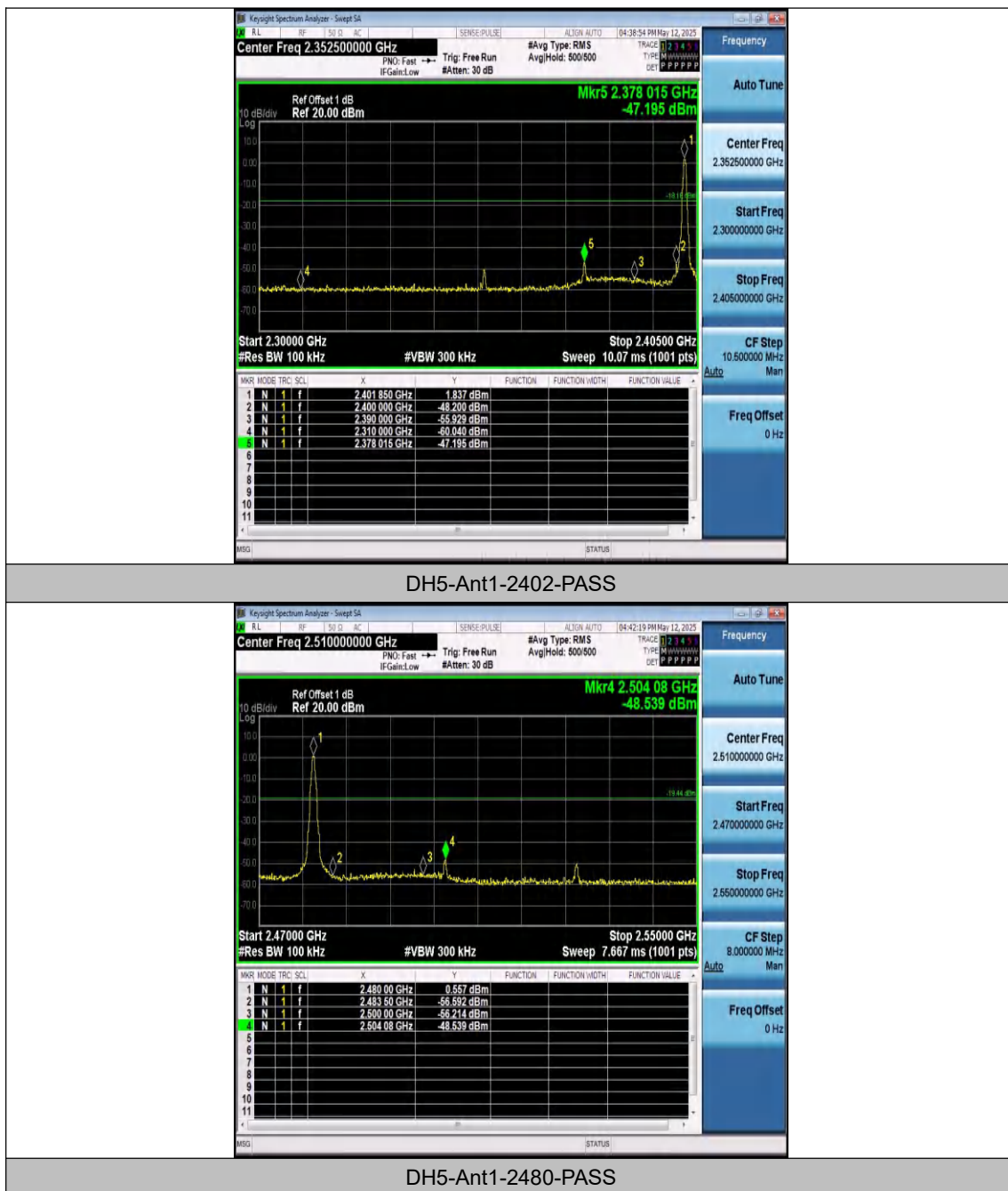
Test Result

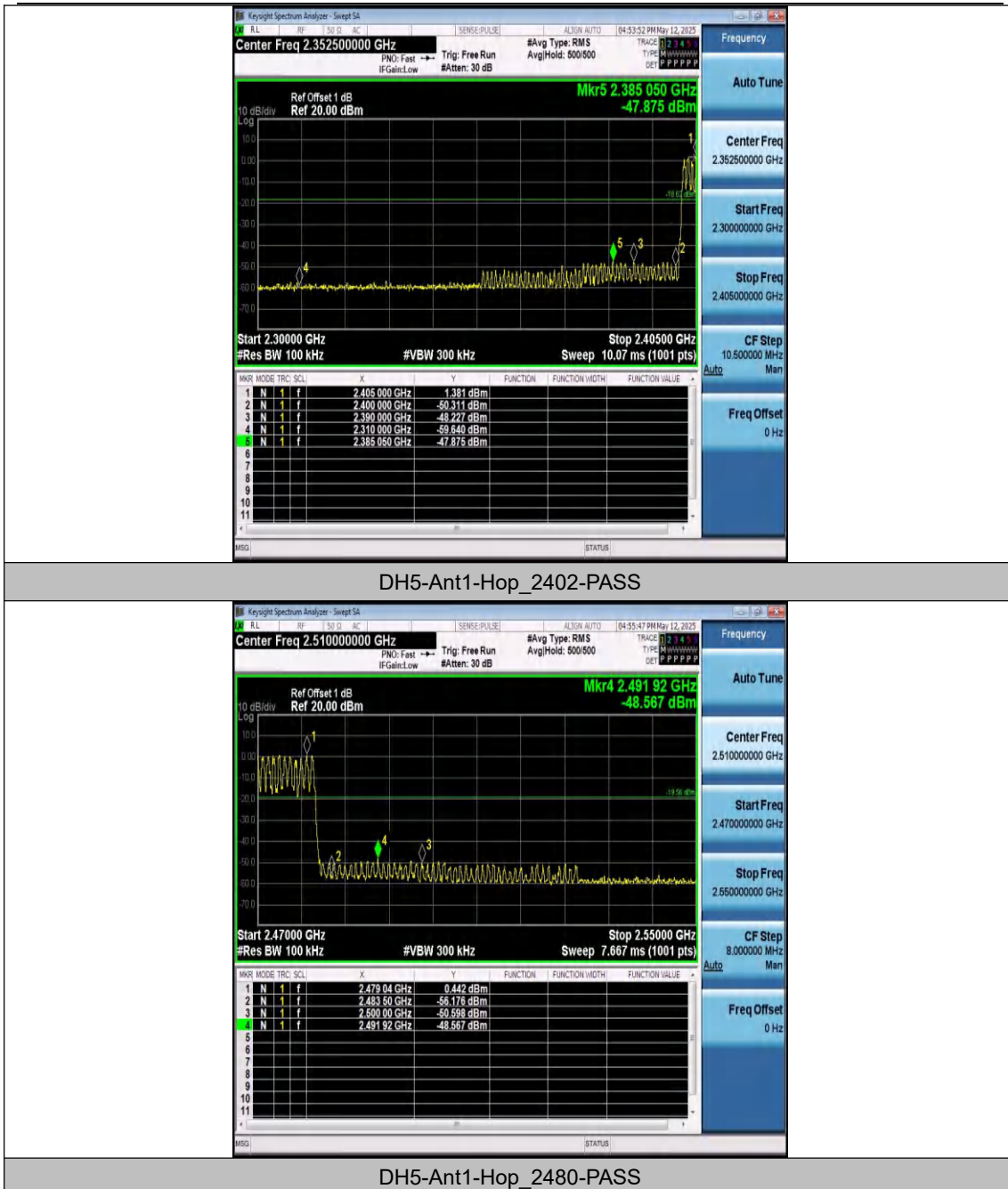
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.84	-47.2	≤-18.16	PASS
DH5	Ant1	High	2480	0.56	-48.54	≤-19.44	PASS
DH5	Ant1	Low	Hop_2402	1.38	-47.88	≤-18.62	PASS
DH5	Ant1	High	Hop_2480	0.44	-48.57	≤-19.56	PASS
2DH5	Ant1	Low	2402	1.80	-47.53	≤-18.2	PASS
2DH5	Ant1	High	2480	0.43	-49.38	≤-19.57	PASS
2DH5	Ant1	Low	Hop_2402	-1.70	-48.23	≤-21.7	PASS
2DH5	Ant1	High	Hop_2480	-1.14	-50.6	≤-21.14	PASS
3DH5	Ant1	Low	2402	1.43	-48.22	≤-18.57	PASS
3DH5	Ant1	High	2480	0.50	-49.83	≤-19.51	PASS
3DH5	Ant1	Low	Hop_2402	-1.92	-49.03	≤-21.92	PASS
3DH5	Ant1	High	Hop_2480	-0.78	-48.73	≤-20.78	PASS

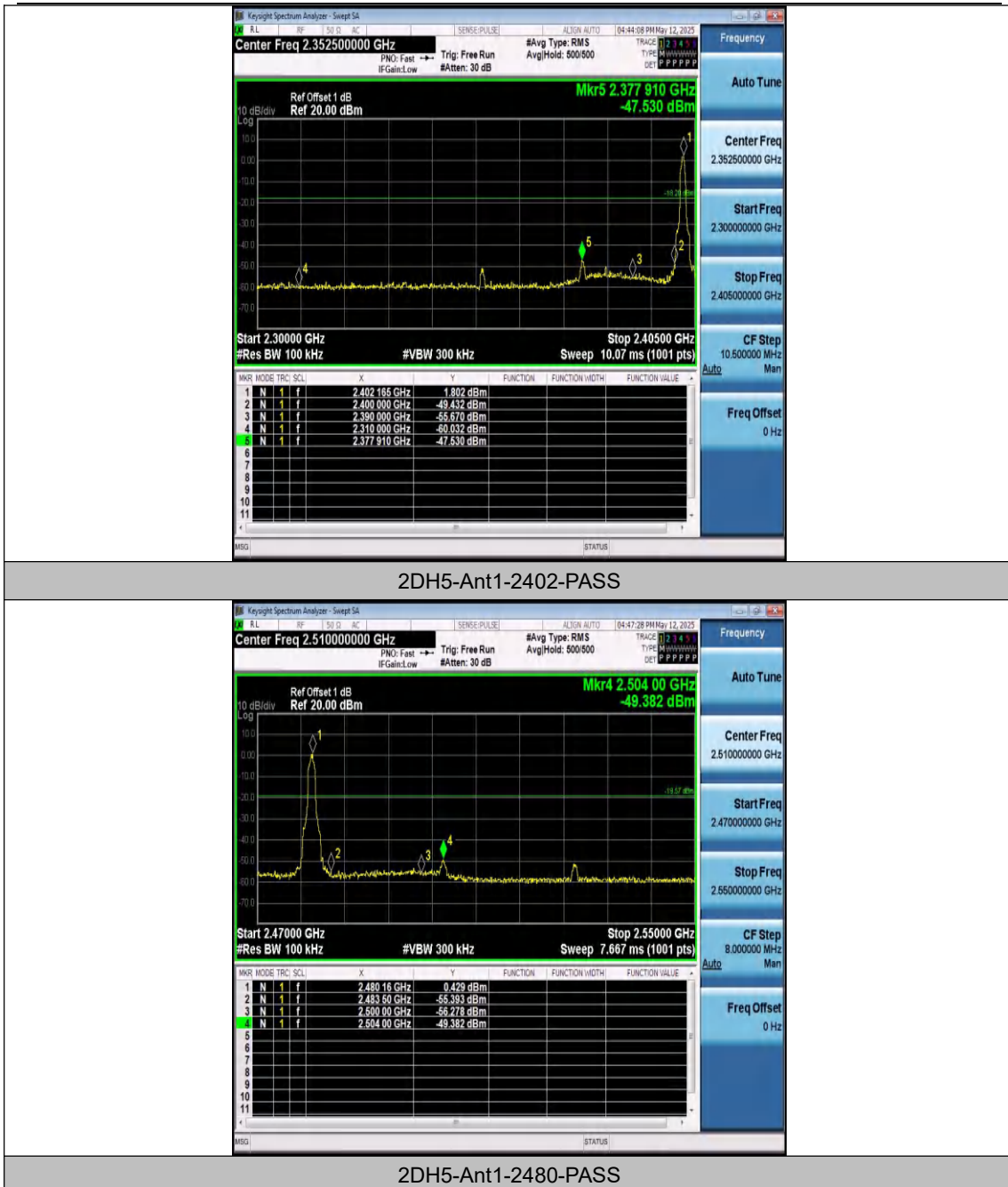
Remark: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

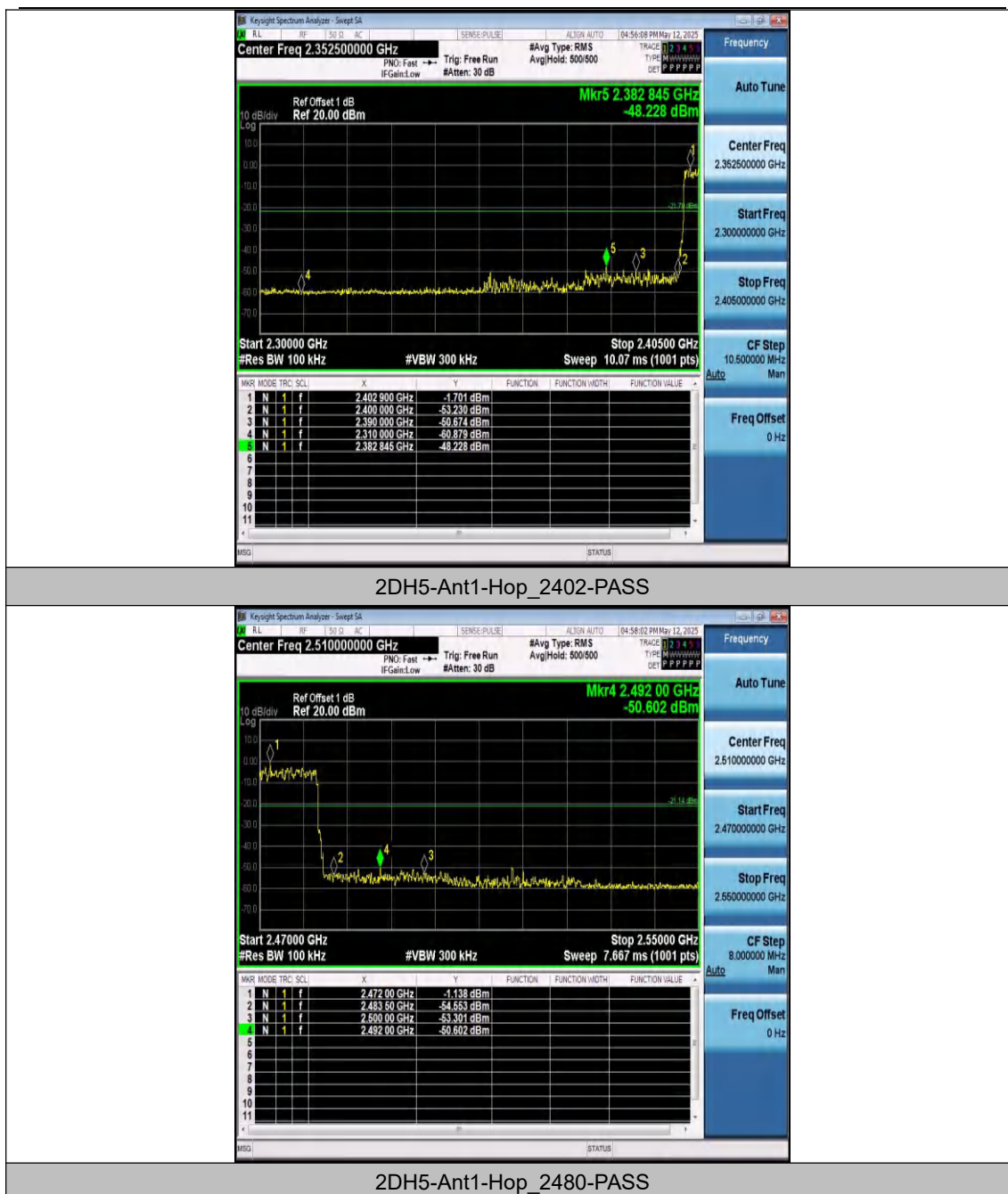


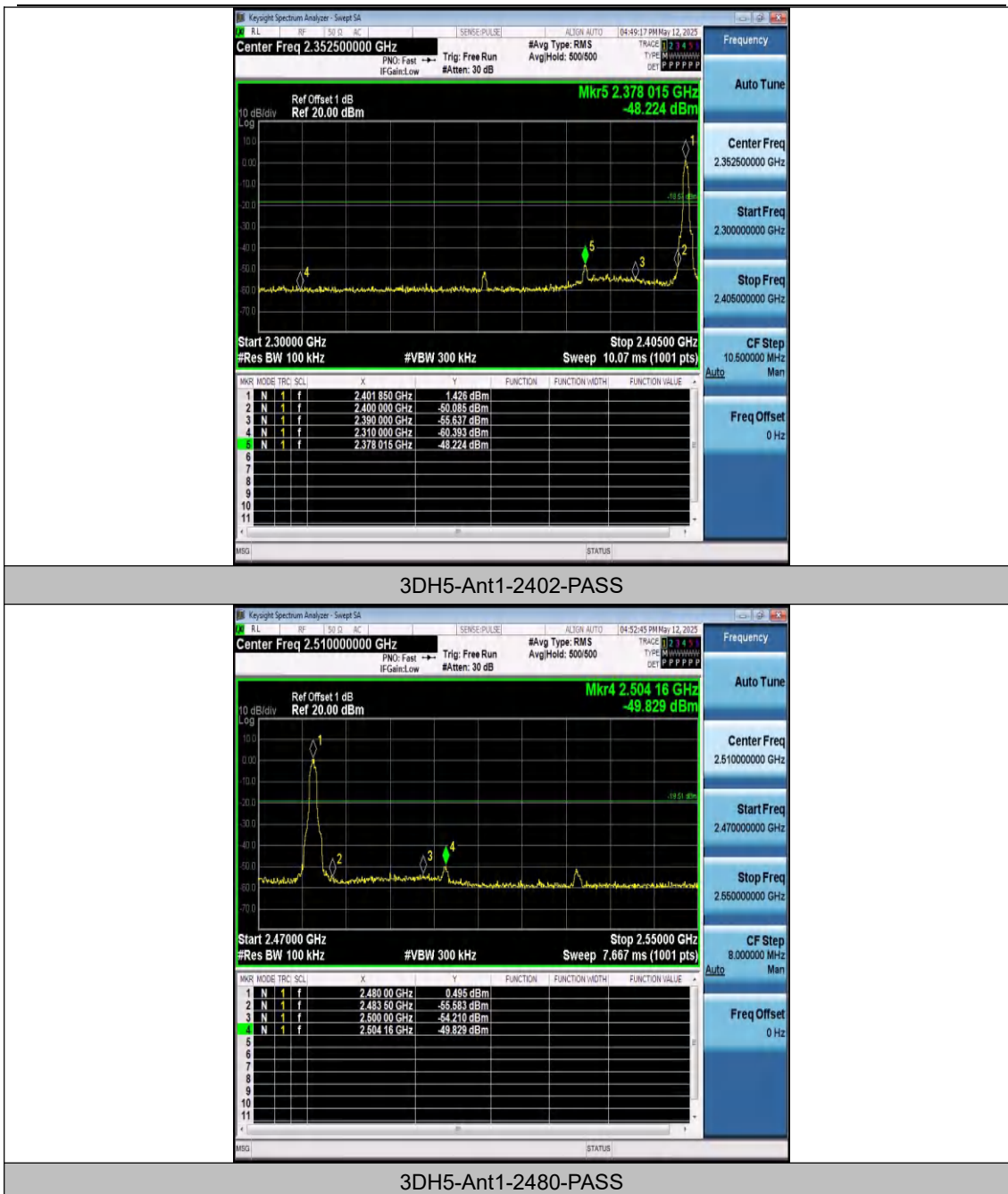
Test Graphs

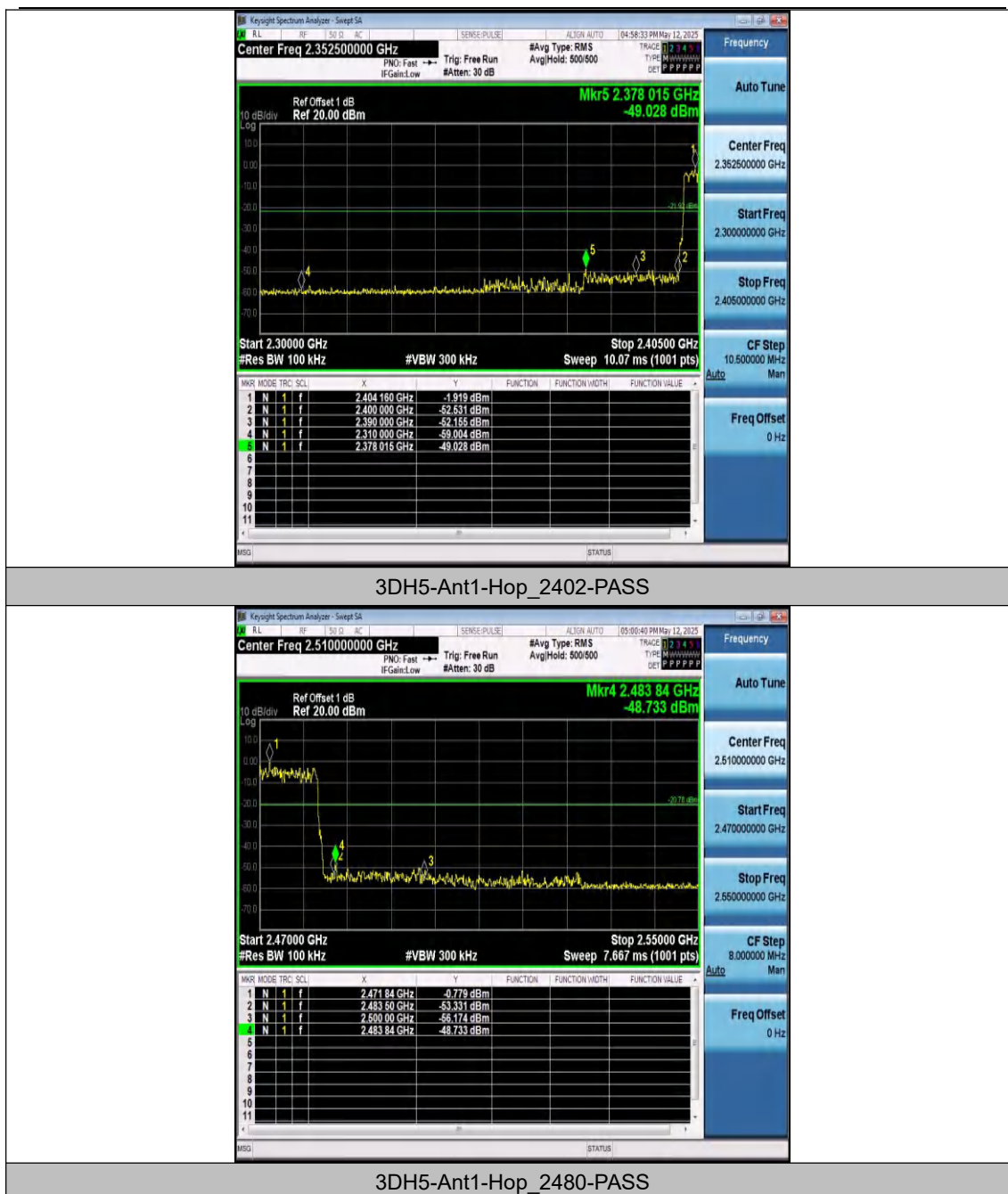












Appendix H: Conducted Spurious Emission

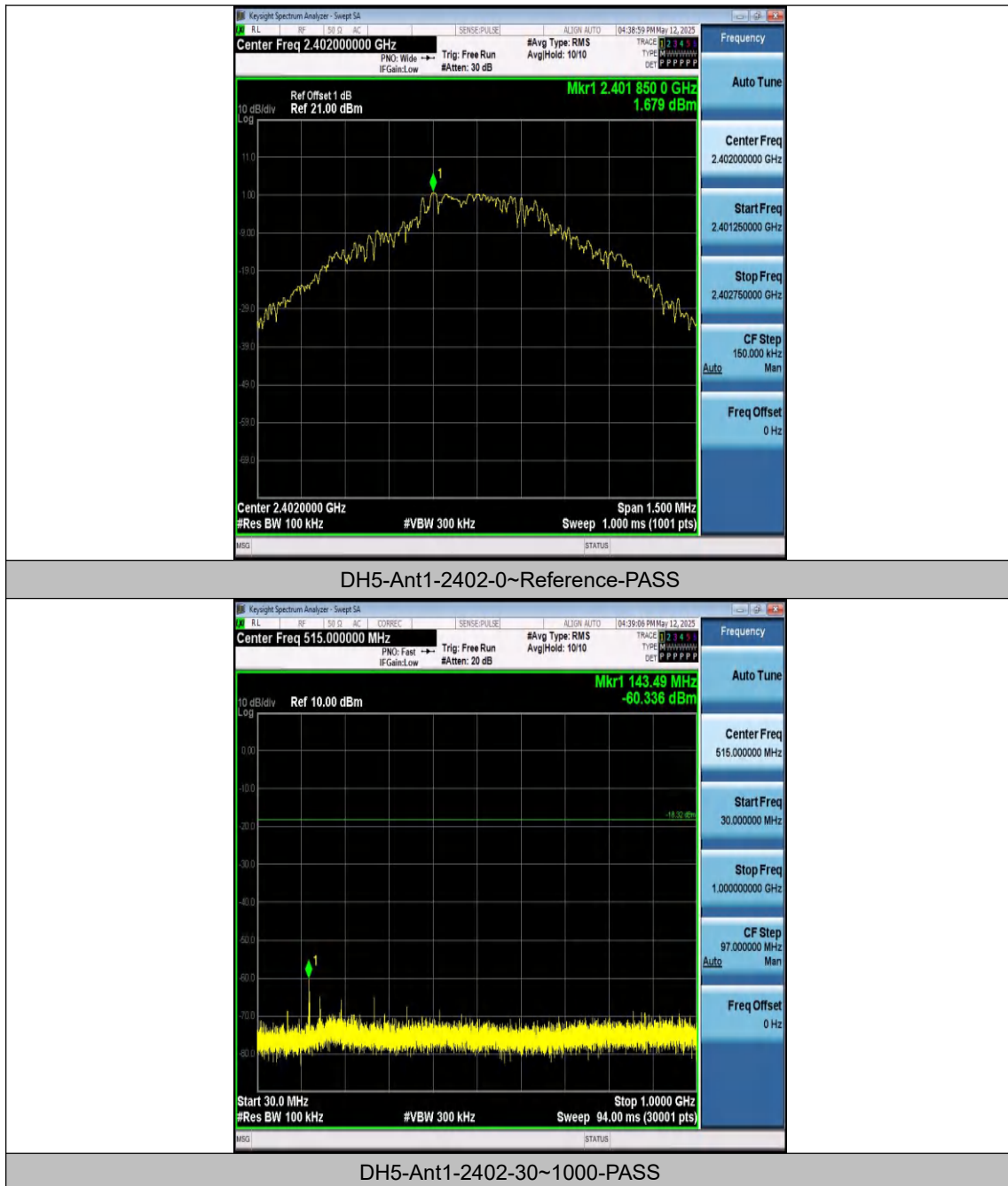
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.68	1.68	---	PASS
DH5	Ant1	2402	30~1000	1.68	-60.34	≤-18.32	PASS
DH5	Ant1	2402	1000~26500	1.68	-39.43	≤-18.32	PASS
DH5	Ant1	2441	0~Reference	0.61	0.61	---	PASS
DH5	Ant1	2441	30~1000	0.61	-63.05	≤-19.39	PASS
DH5	Ant1	2441	1000~26500	0.61	-38.44	≤-19.39	PASS
DH5	Ant1	2480	0~Reference	0.38	0.38	---	PASS
DH5	Ant1	2480	30~1000	0.38	-59.39	≤-19.62	PASS
DH5	Ant1	2480	1000~26500	0.38	-38.17	≤-19.62	PASS
2DH5	Ant1	2402	0~Reference	-2.44	-2.44	---	PASS
2DH5	Ant1	2402	30~1000	-2.44	-59.07	≤-22.44	PASS
2DH5	Ant1	2402	1000~26500	-2.44	-42.73	≤-22.44	PASS
2DH5	Ant1	2441	0~Reference	-1.25	-1.25	---	PASS
2DH5	Ant1	2441	30~1000	-1.25	-61.42	≤-21.25	PASS
2DH5	Ant1	2441	1000~26500	-1.25	-41.49	≤-21.25	PASS
2DH5	Ant1	2480	0~Reference	0.47	0.47	---	PASS
2DH5	Ant1	2480	30~1000	0.47	-59.3	≤-19.53	PASS
2DH5	Ant1	2480	1000~26500	0.47	-40.24	≤-19.53	PASS
3DH5	Ant1	2402	0~Reference	-0.17	-0.17	---	PASS
3DH5	Ant1	2402	30~1000	-0.17	-61.32	≤-20.17	PASS
3DH5	Ant1	2402	1000~26500	-0.17	-41.43	≤-20.17	PASS
3DH5	Ant1	2441	0~Reference	-2.48	-2.48	---	PASS
3DH5	Ant1	2441	30~1000	-2.48	-61.82	≤-22.48	PASS
3DH5	Ant1	2441	1000~26500	-2.48	-41.46	≤-22.48	PASS
3DH5	Ant1	2480	0~Reference	-0.72	-0.72	---	PASS
3DH5	Ant1	2480	30~1000	-0.72	-58.31	≤-20.72	PASS
3DH5	Ant1	2480	1000~26500	-0.72	-39.09	≤-20.72	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.



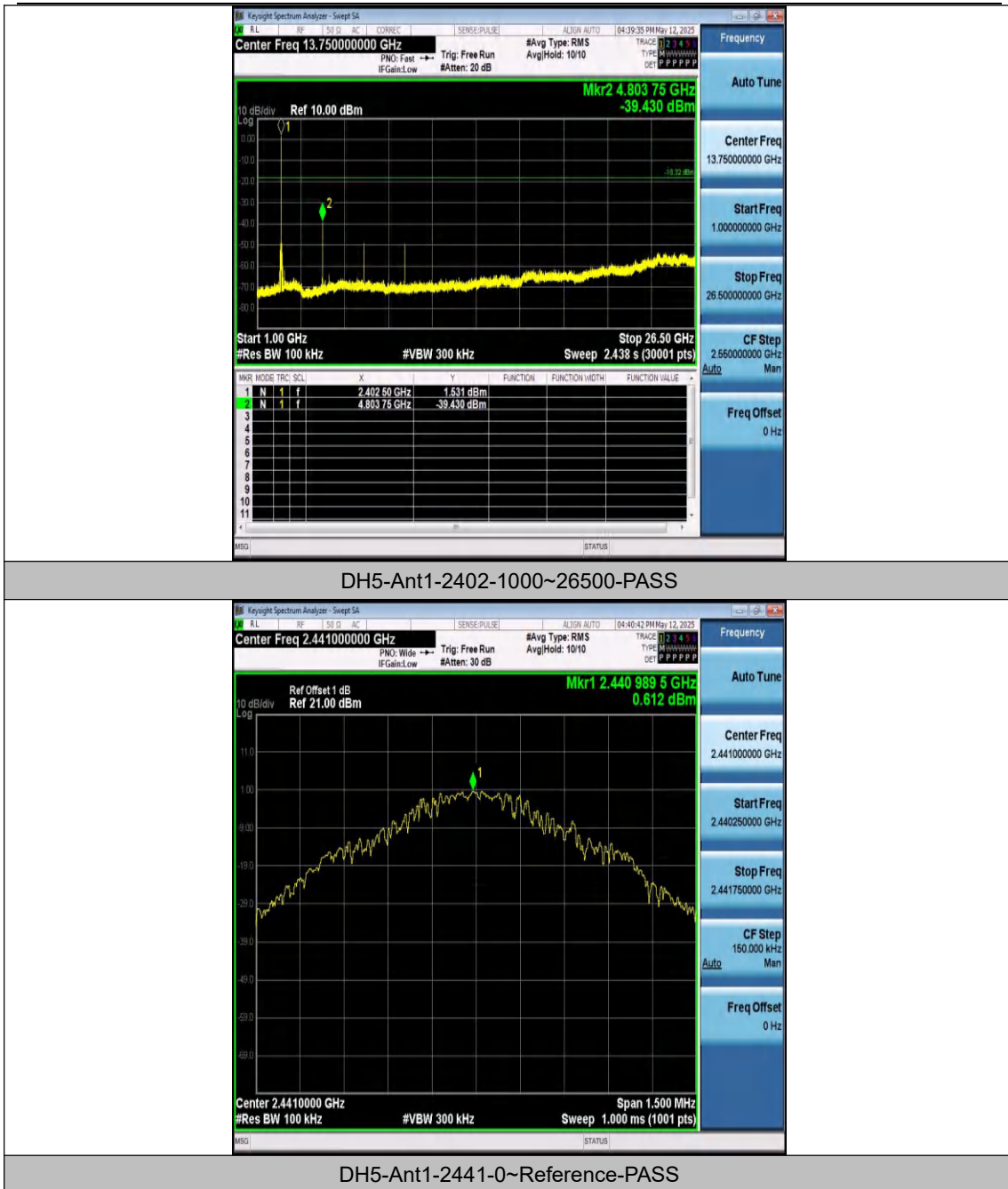
Test Graphs



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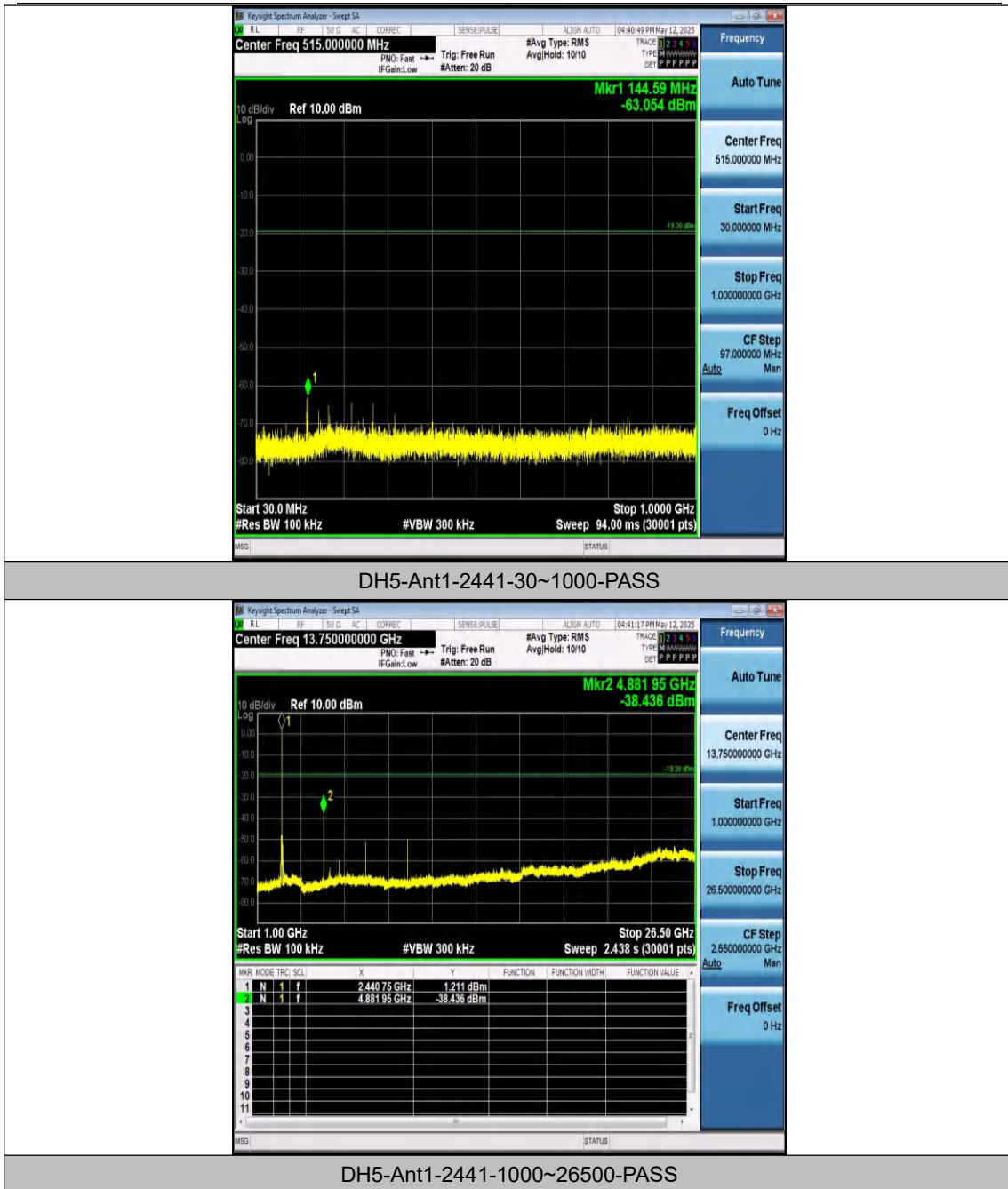
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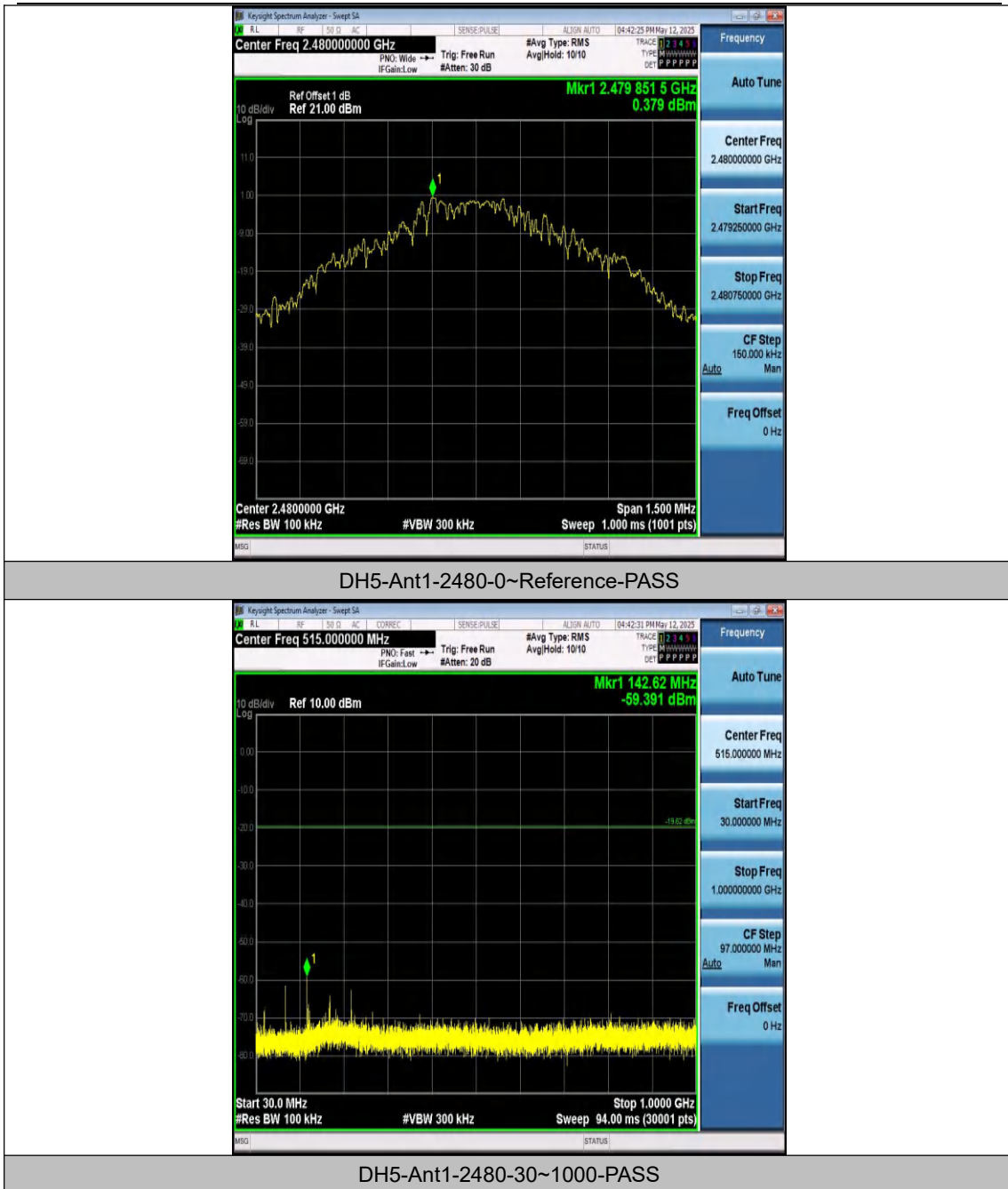


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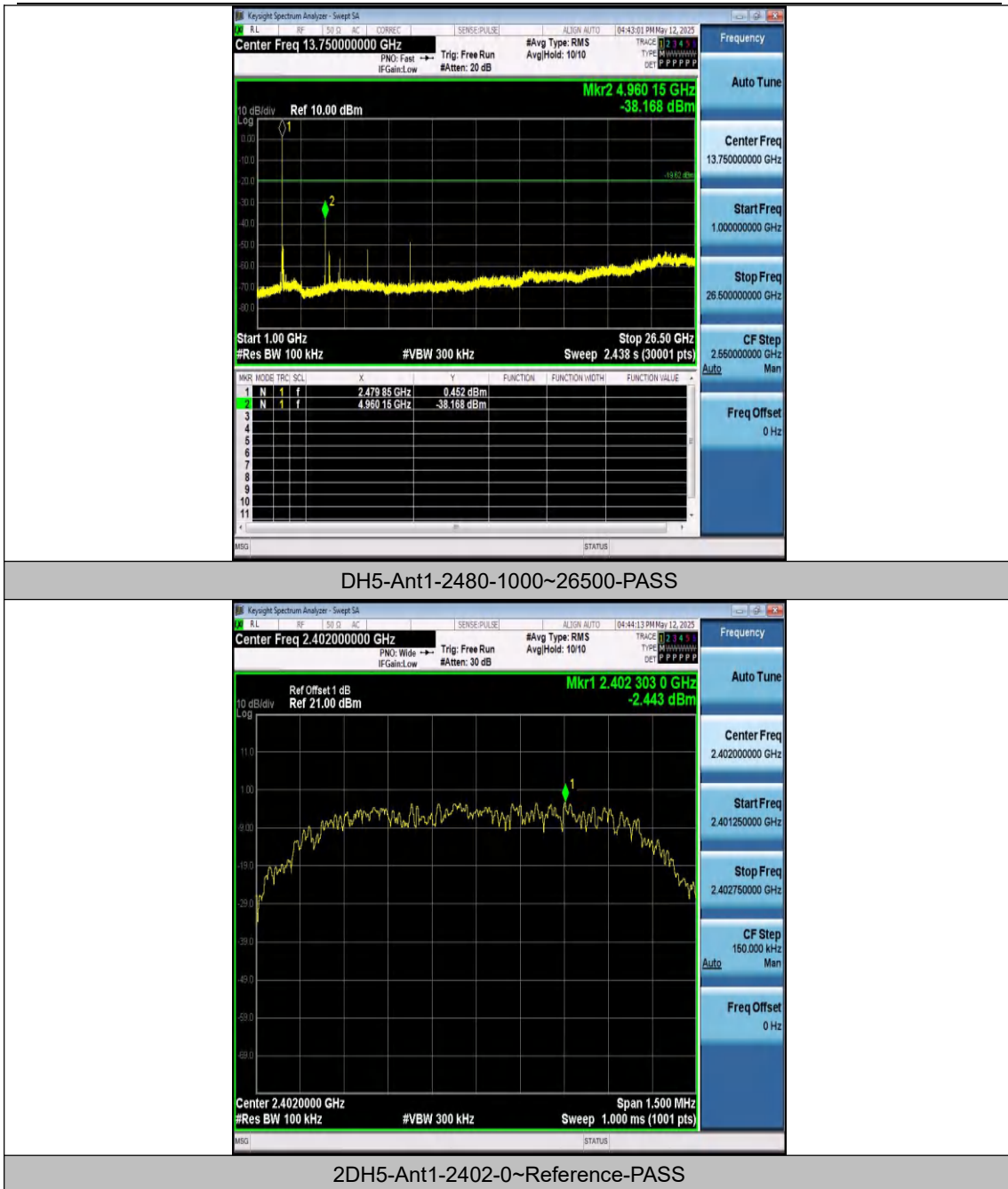


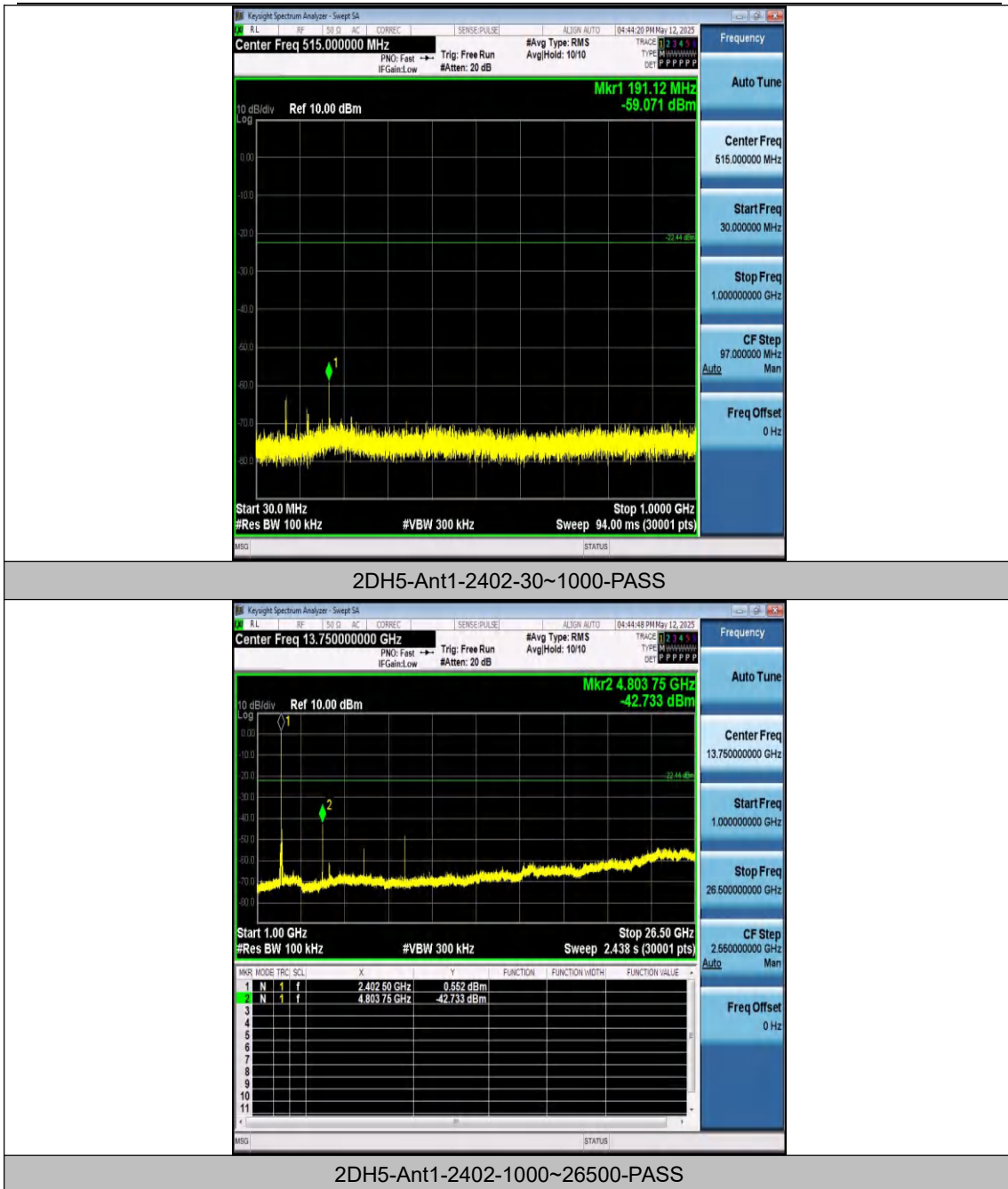


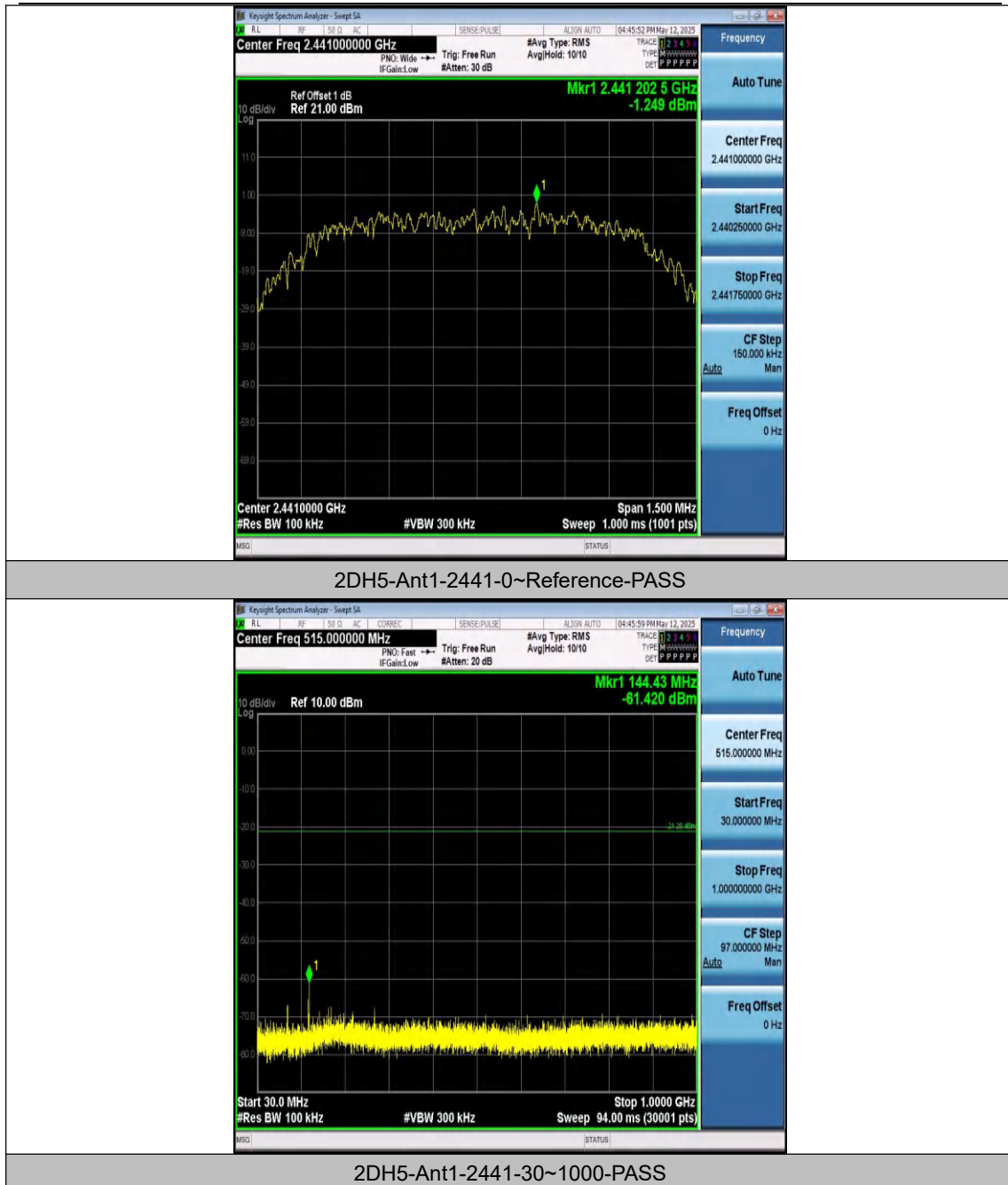
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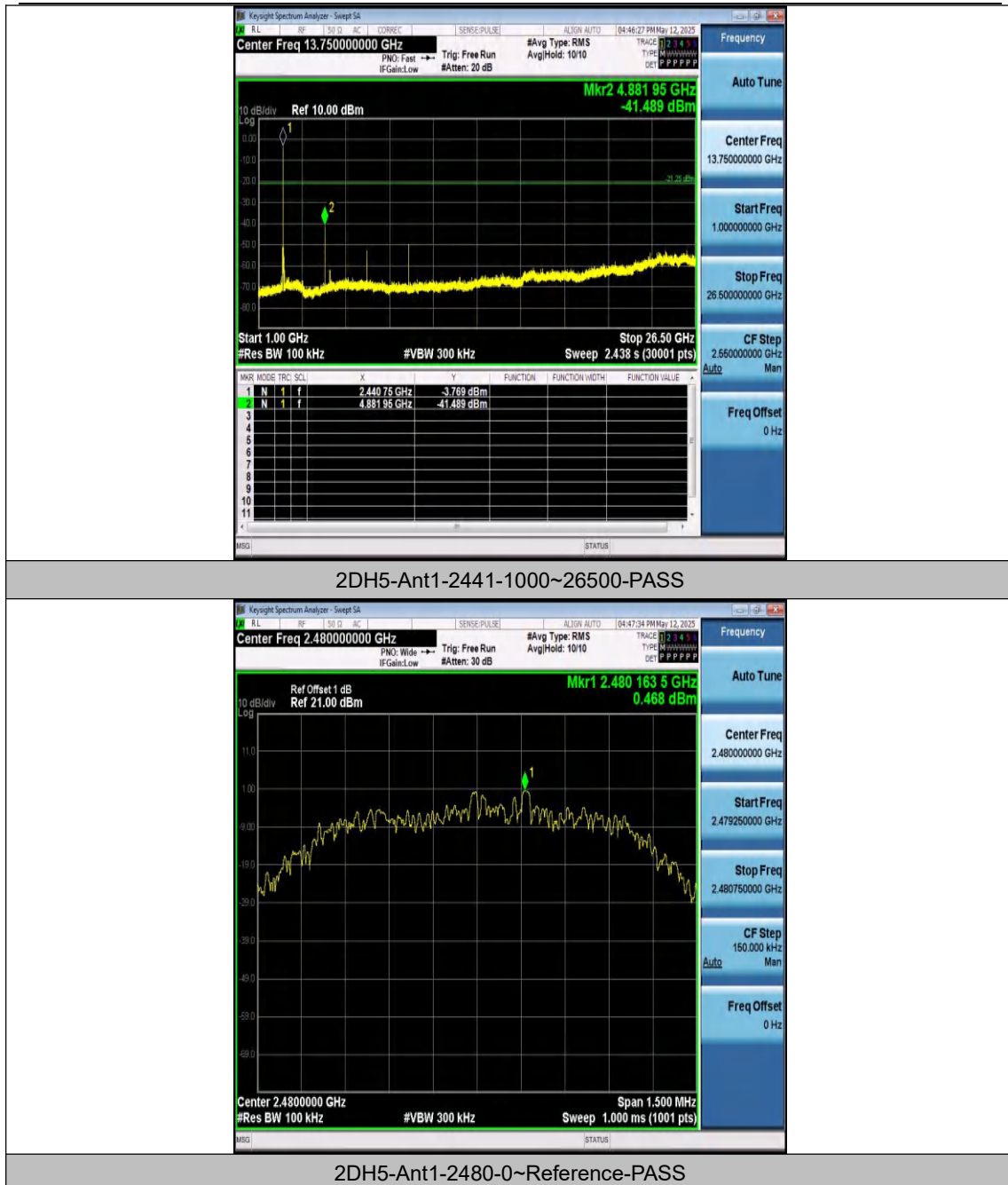
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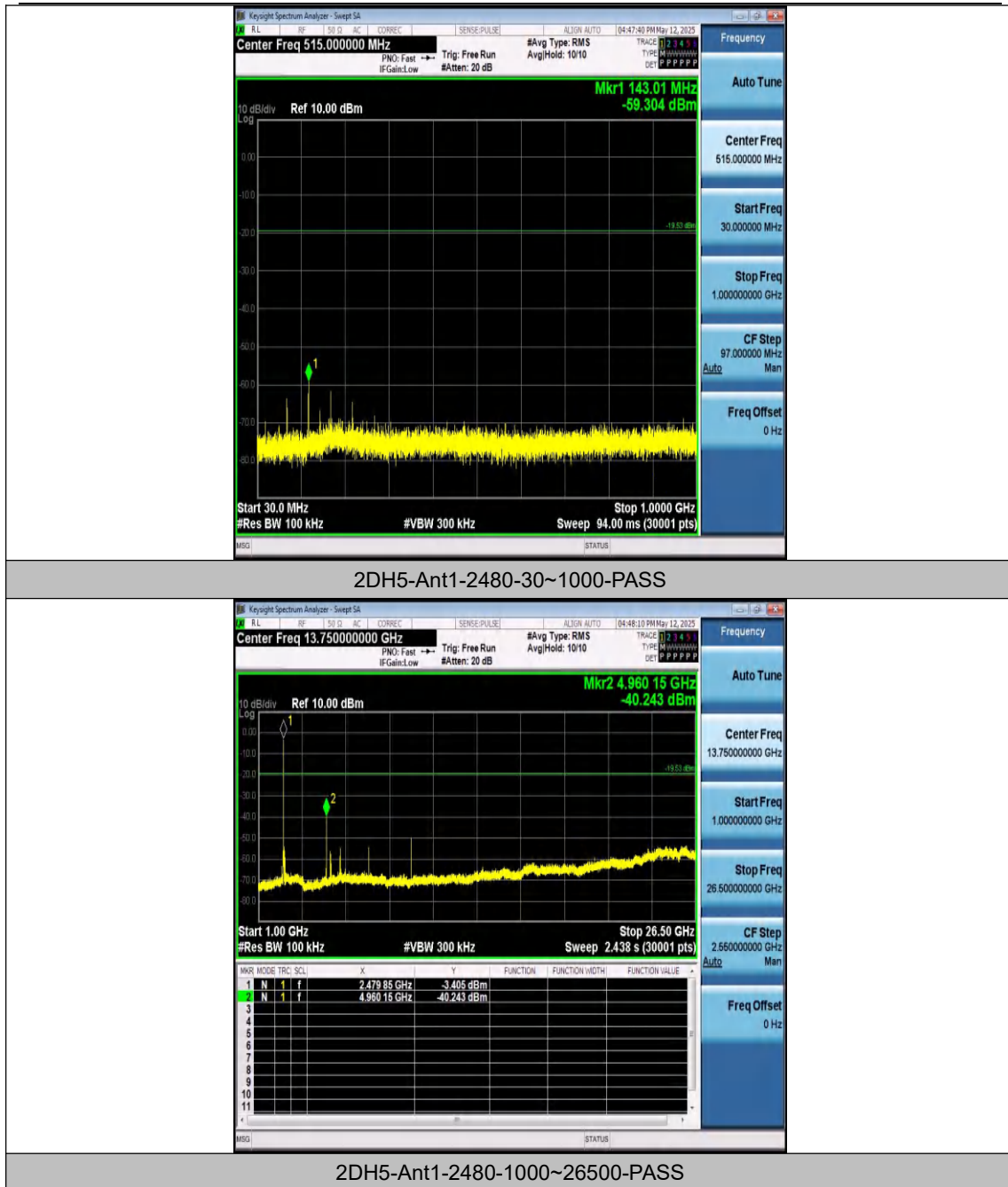
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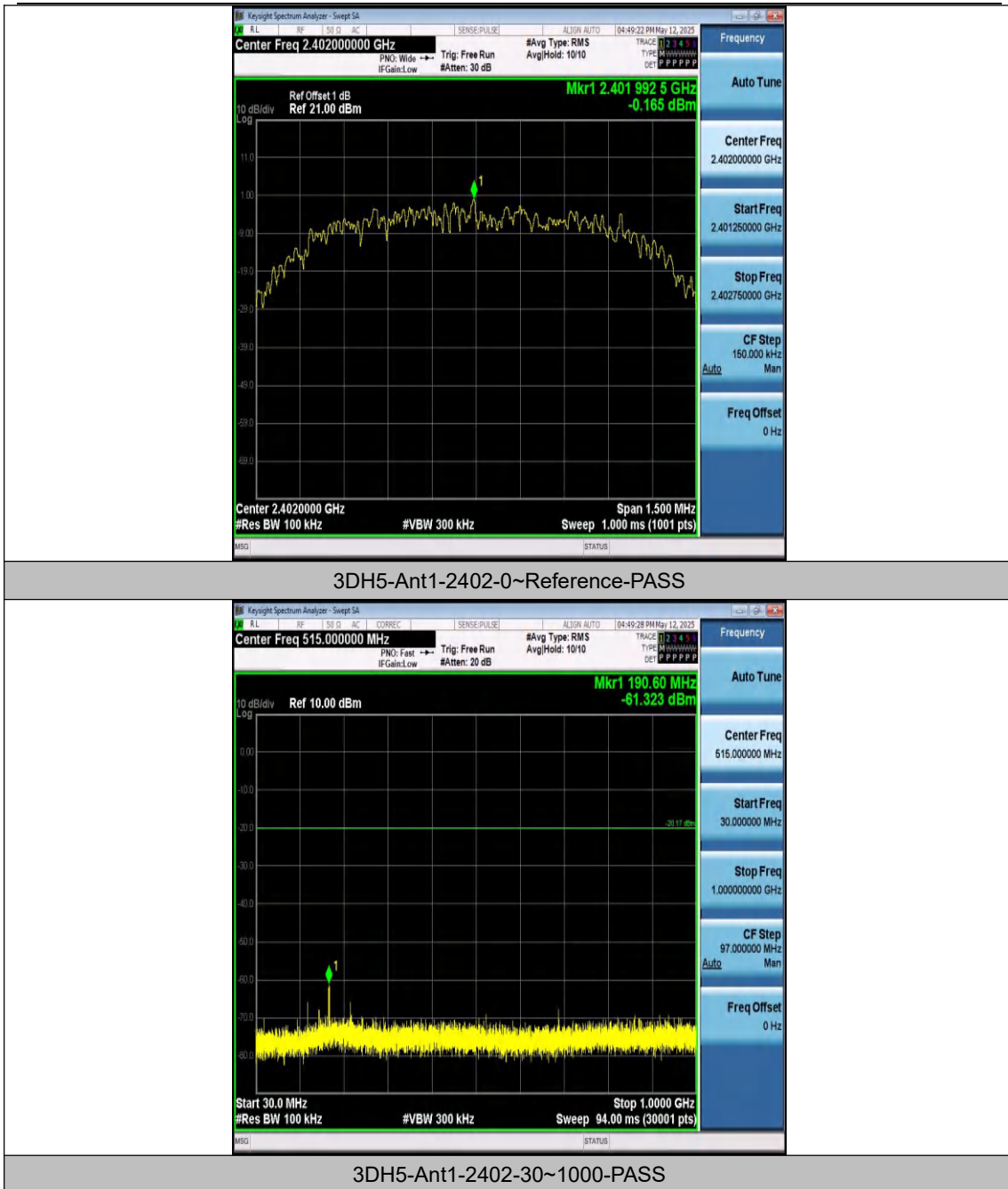










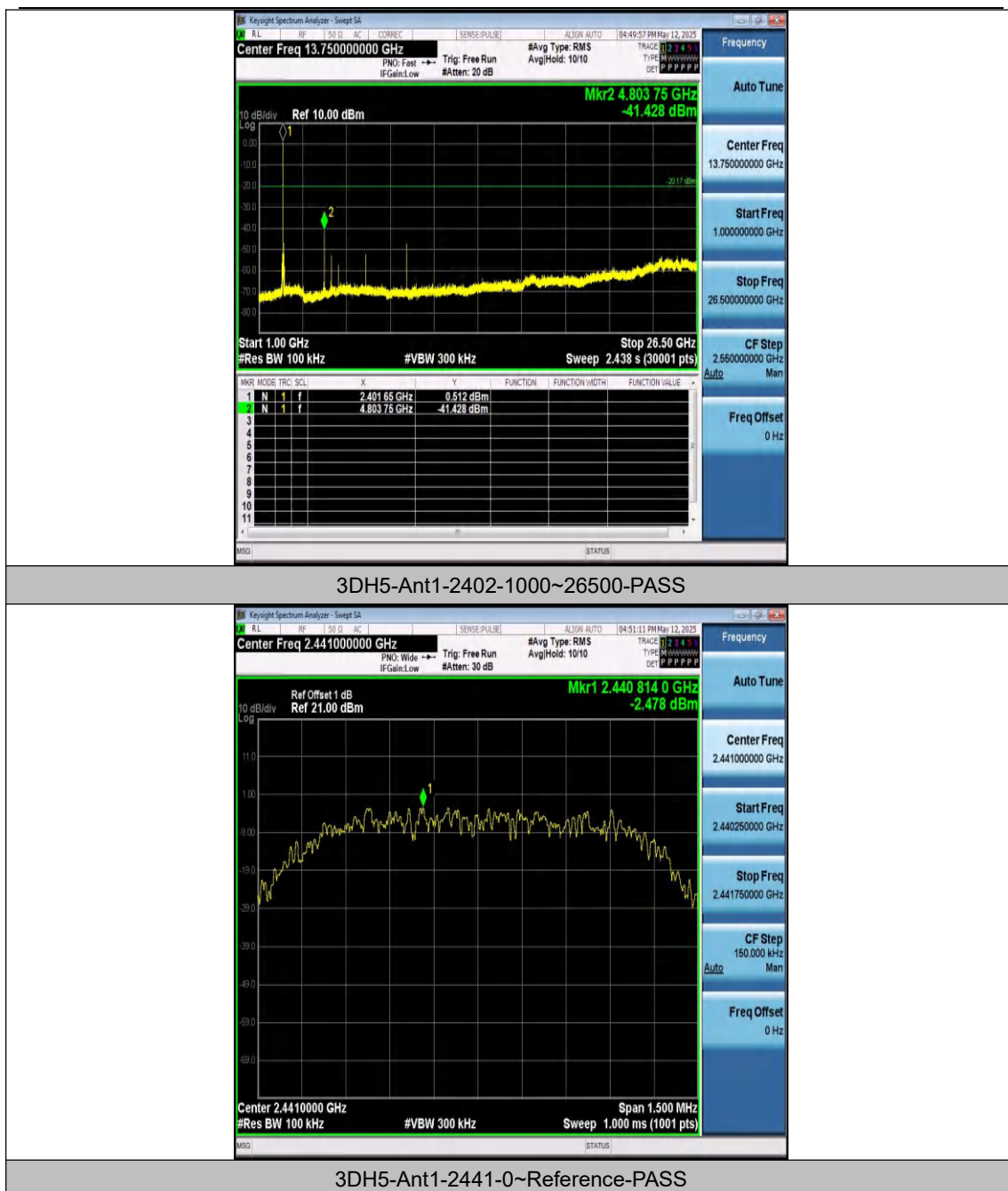


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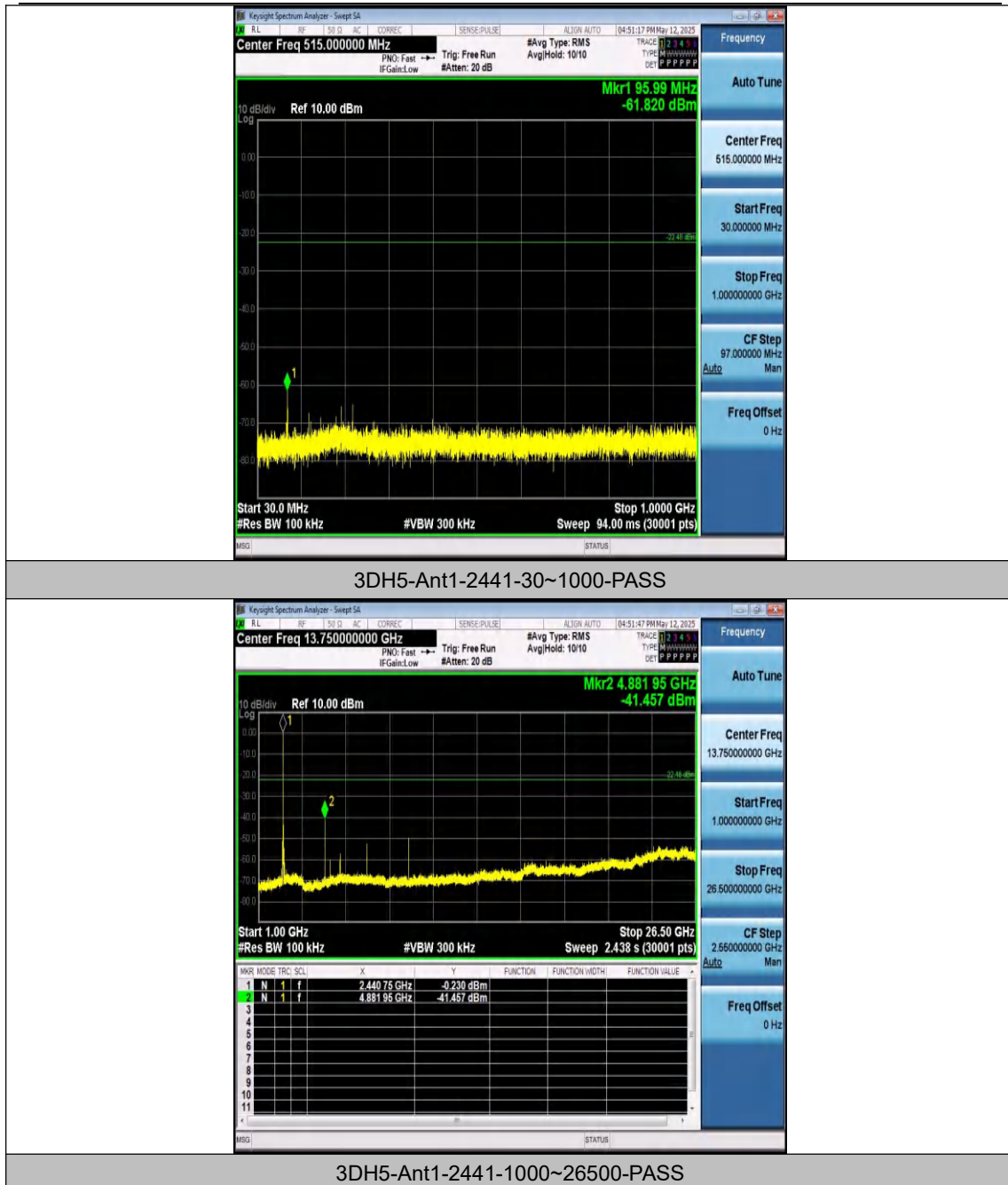
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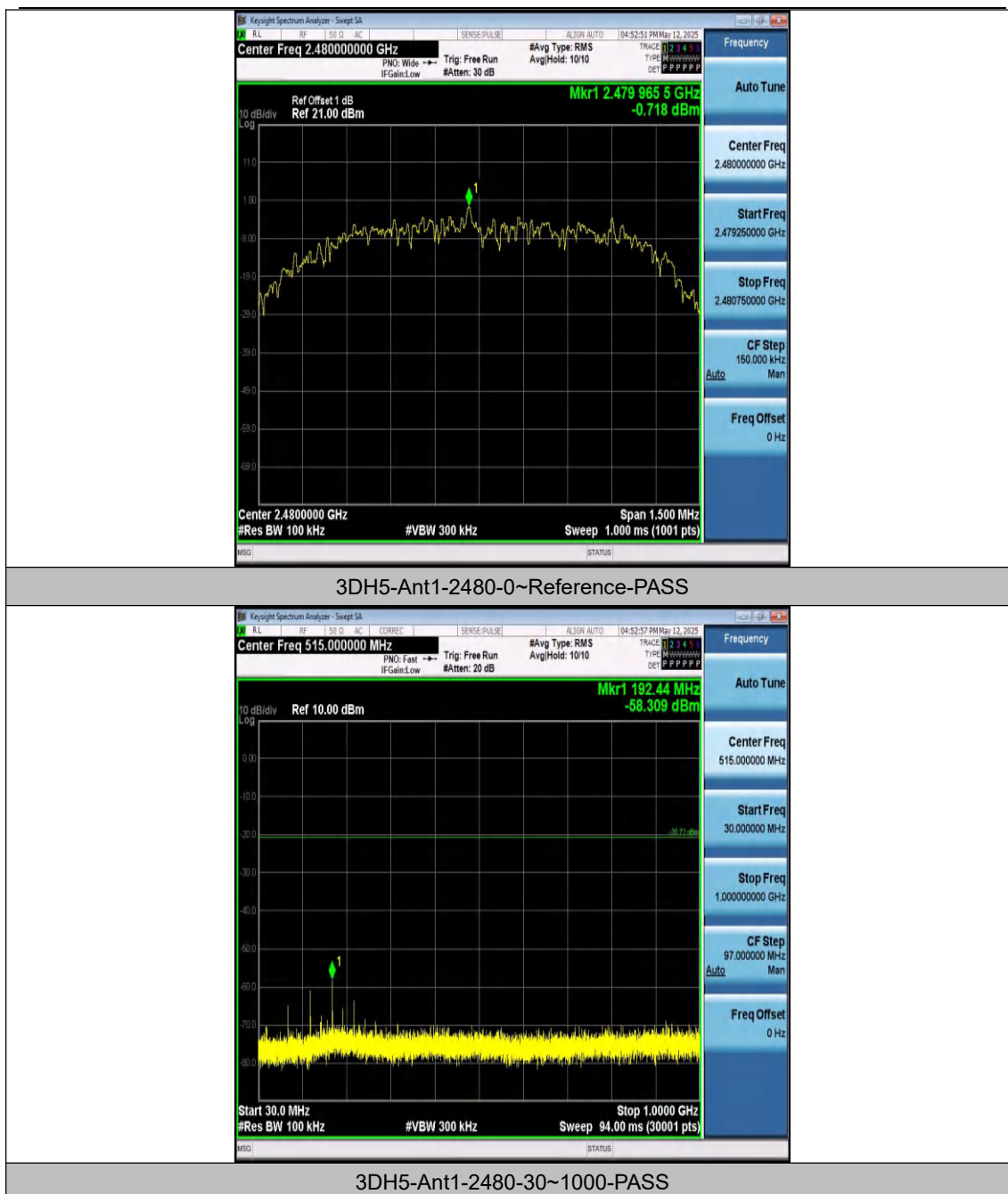


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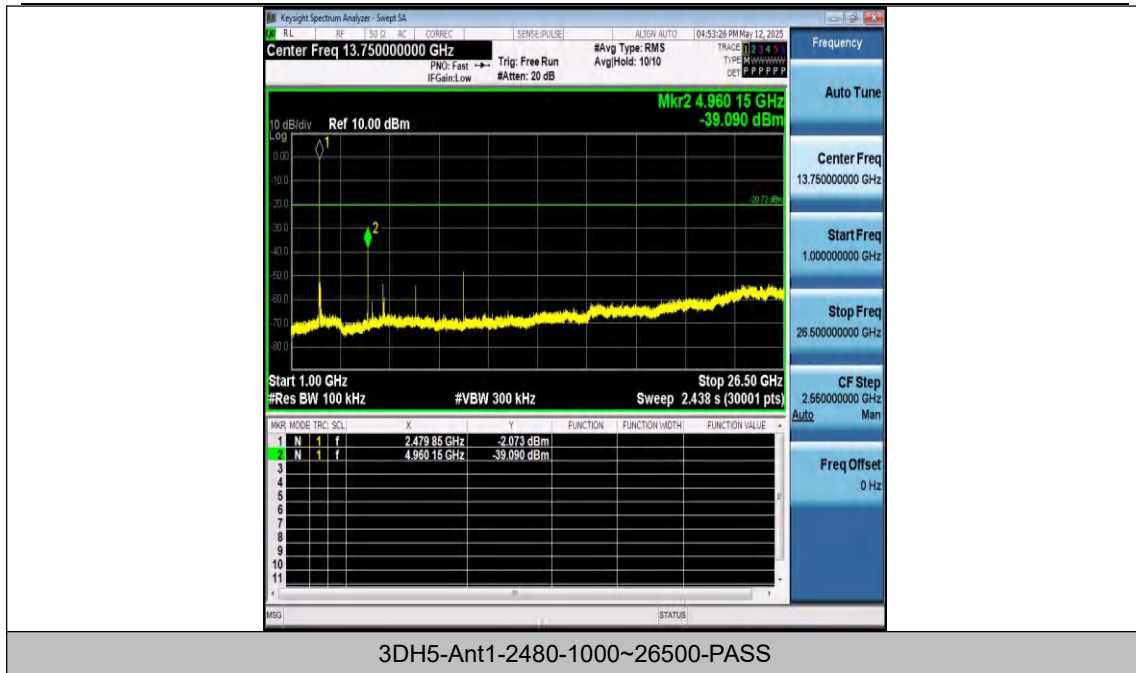
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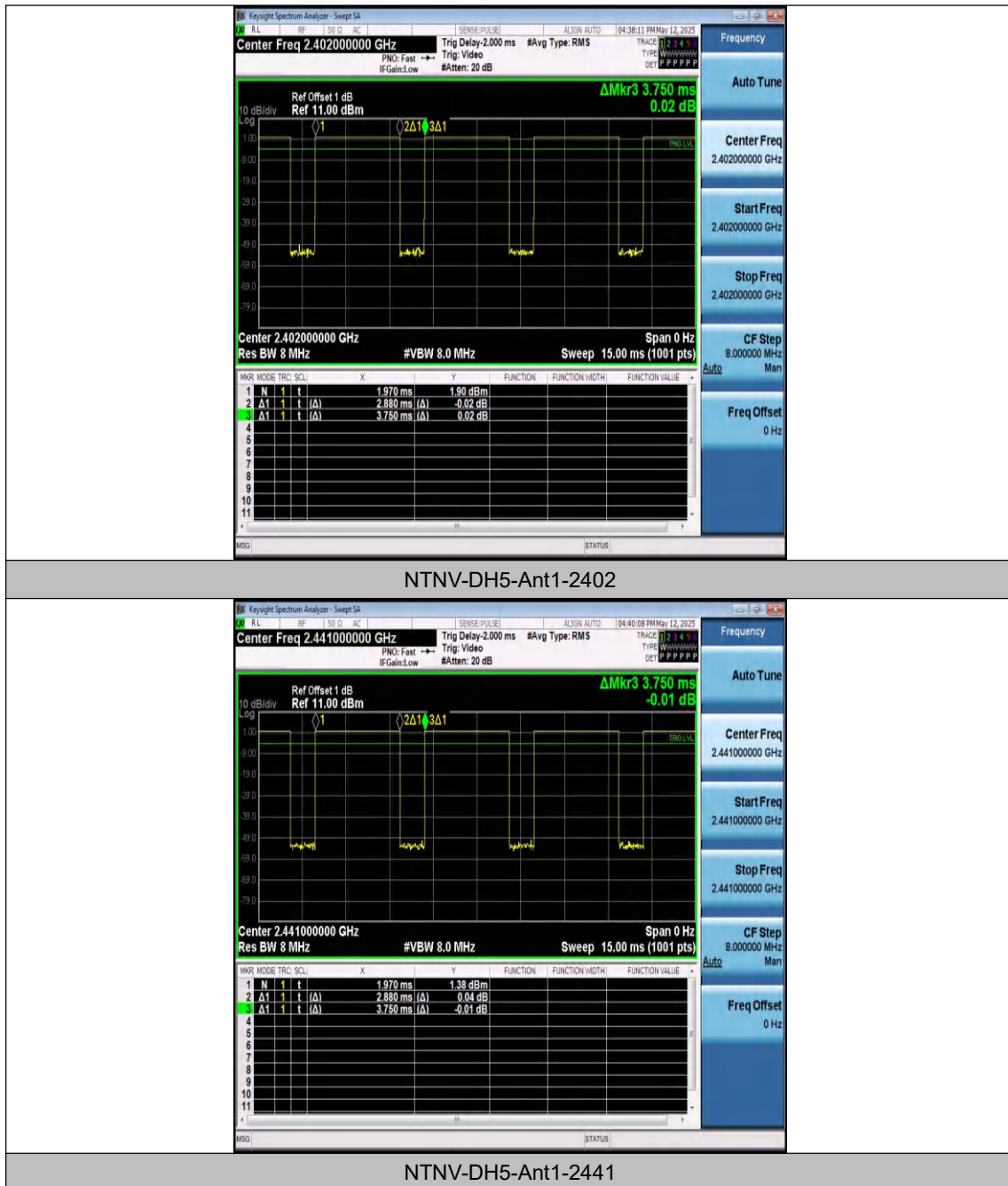
Appendix I: Duty Cycle

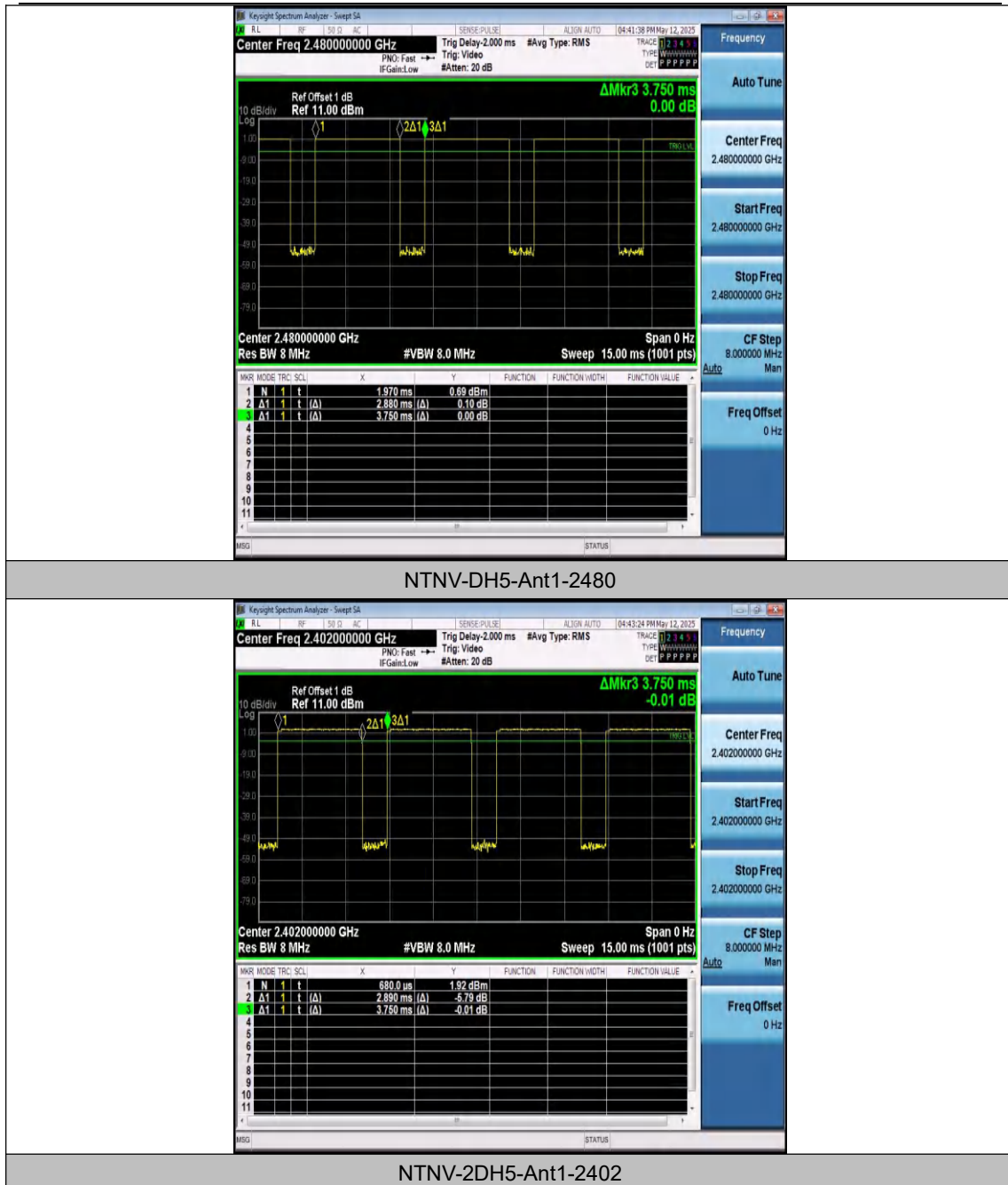
Test Result

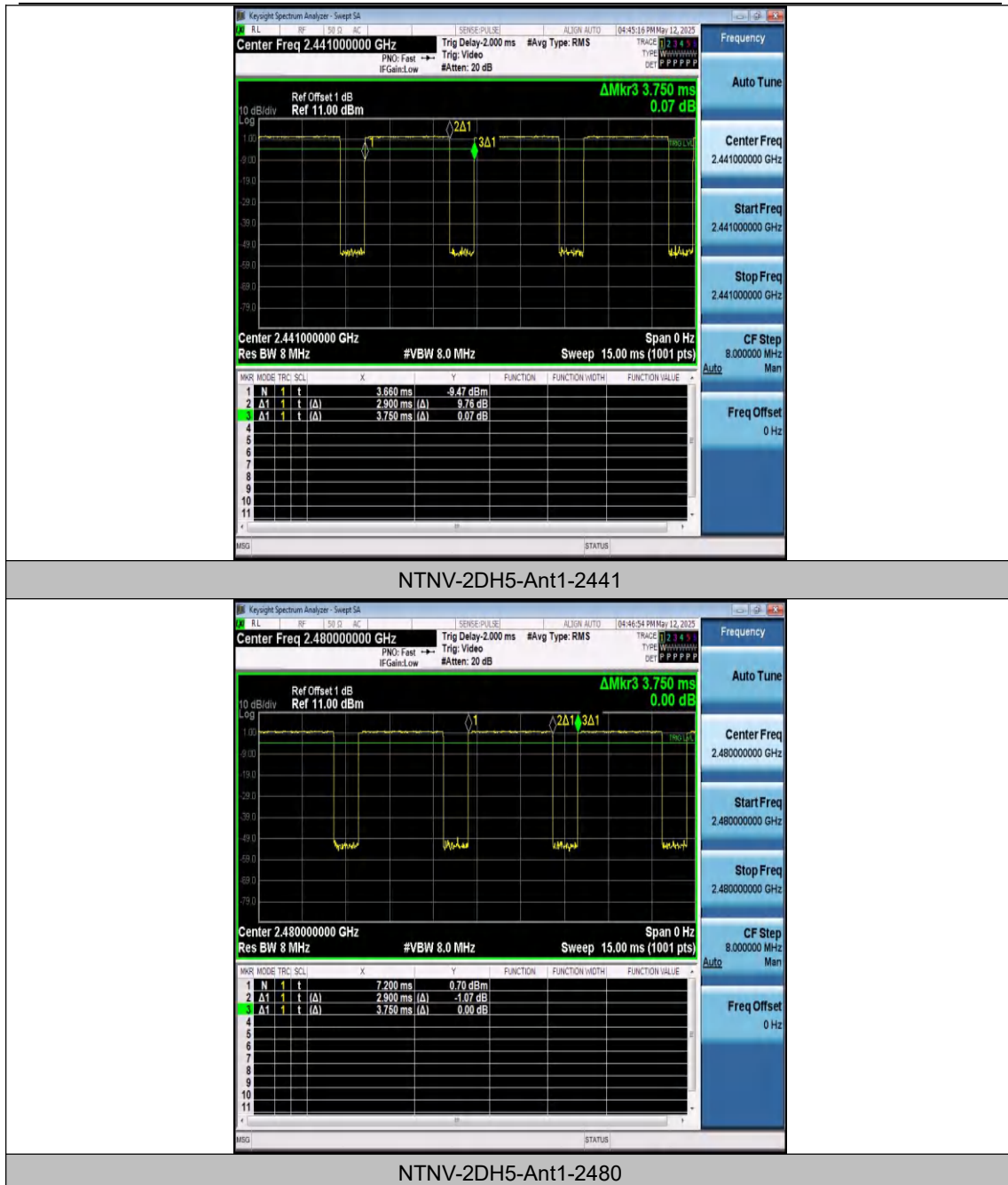
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.90	3.75	77.33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

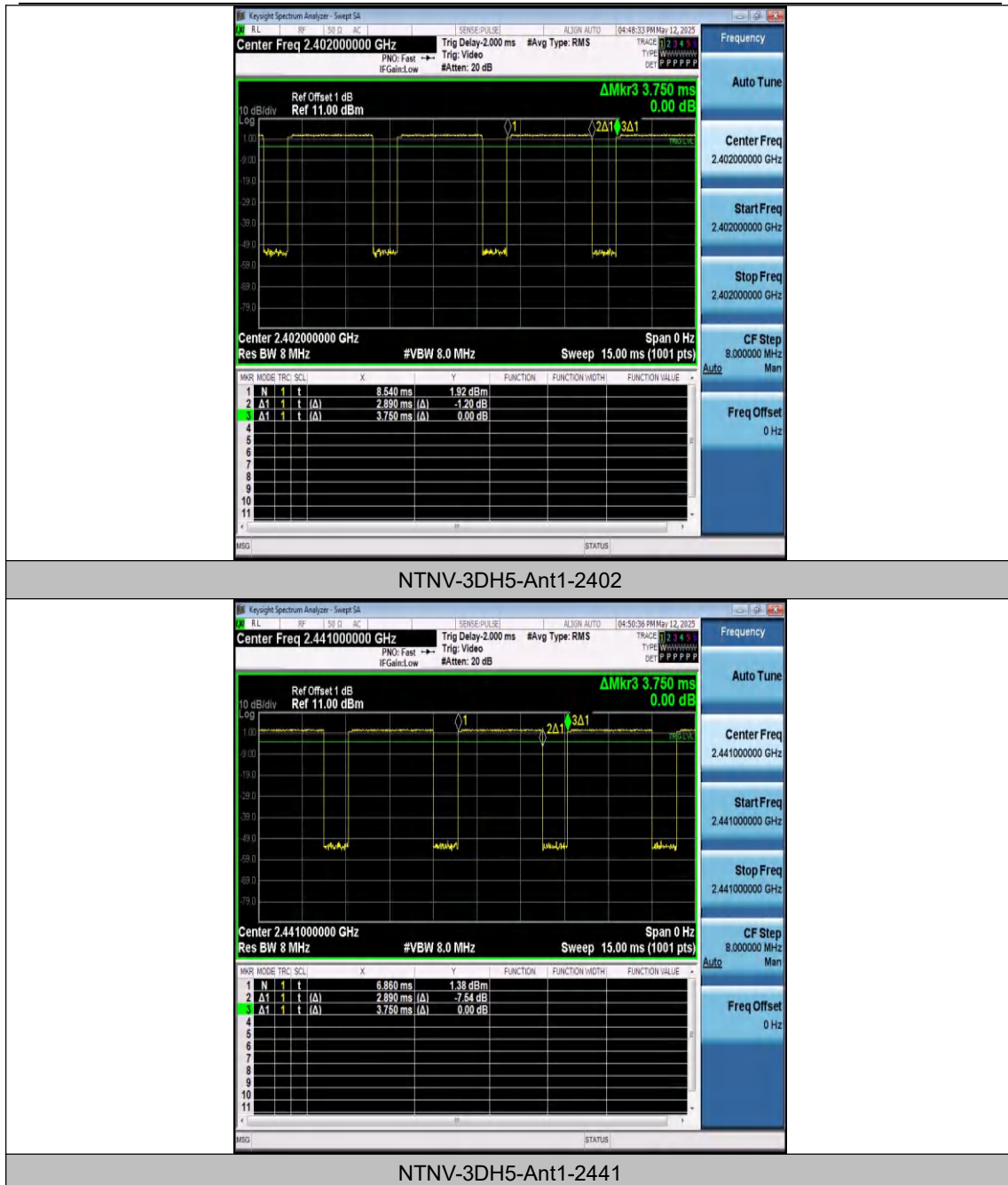


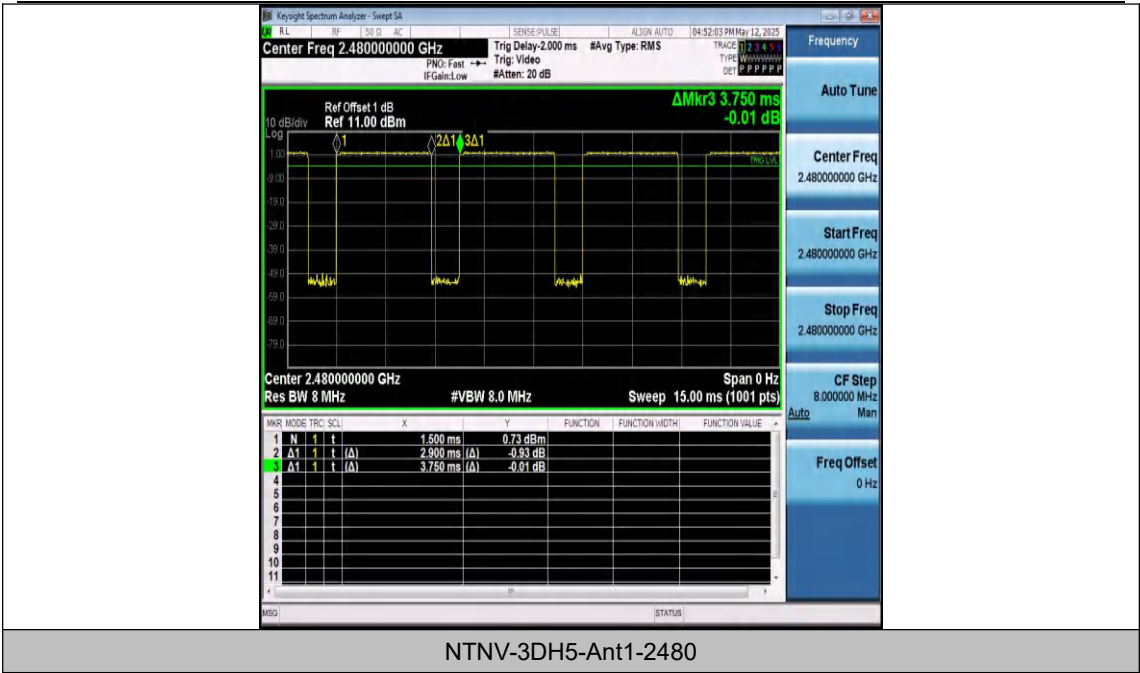
Test Graphs











---End---