

Appendix Test Data

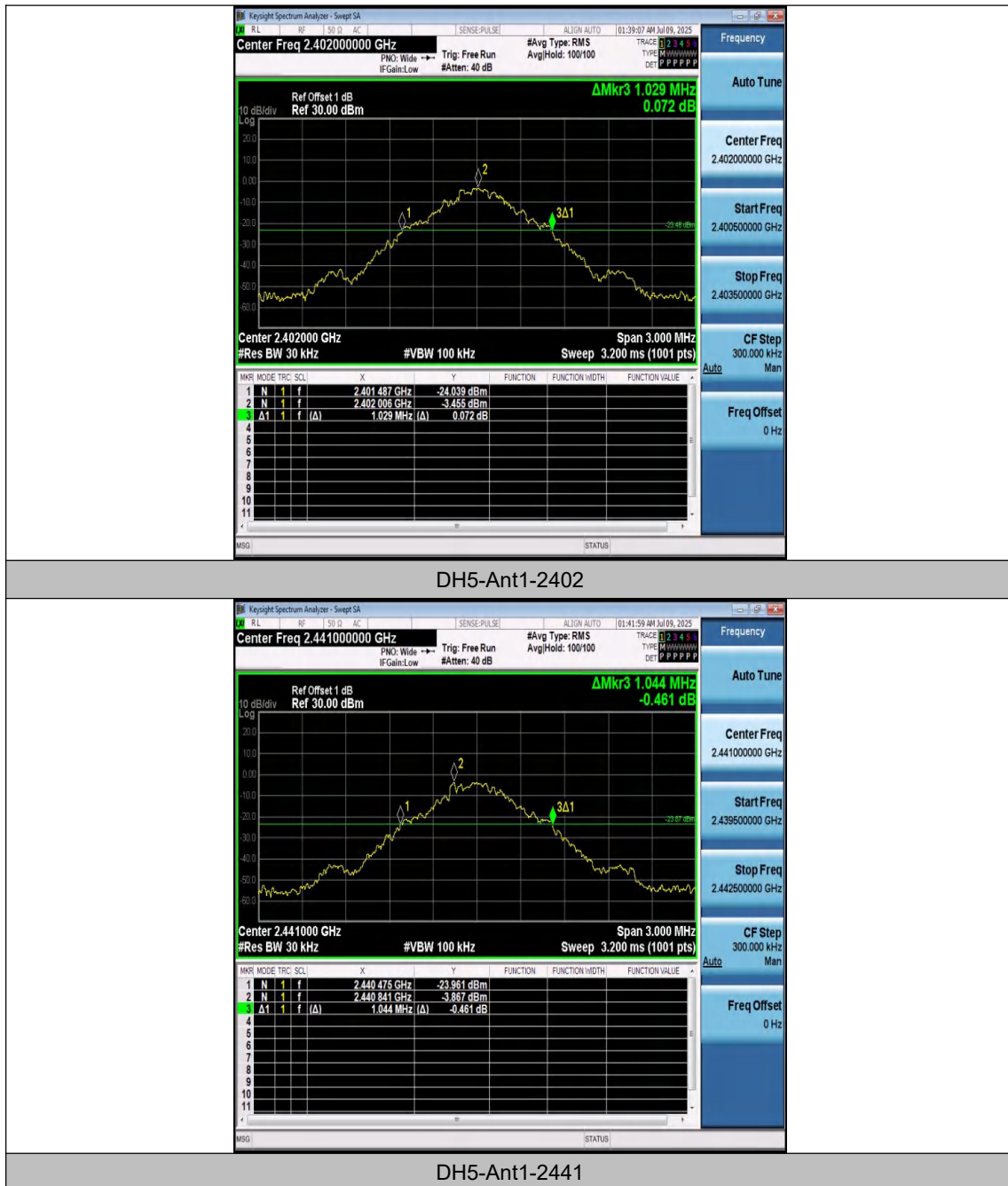
Report No.:	1819C50070912501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-3	Finish Test Date:	2025-7-9
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	26.9°C	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.029	2401.487	2402.516	---	---
DH5	Ant1	2441	1.044	2440.475	2441.519	---	---
DH5	Ant1	2480	1.041	2479.475	2480.516	---	---
2DH5	Ant1	2402	1.305	2401.358	2402.663	---	---
2DH5	Ant1	2441	1.335	2440.334	2441.669	---	---
2DH5	Ant1	2480	1.332	2479.340	2480.672	---	---
3DH5	Ant1	2402	1.305	2401.352	2402.657	---	---
3DH5	Ant1	2441	1.359	2440.316	2441.675	---	---
3DH5	Ant1	2480	1.305	2479.346	2480.651	---	---

Test Graphs



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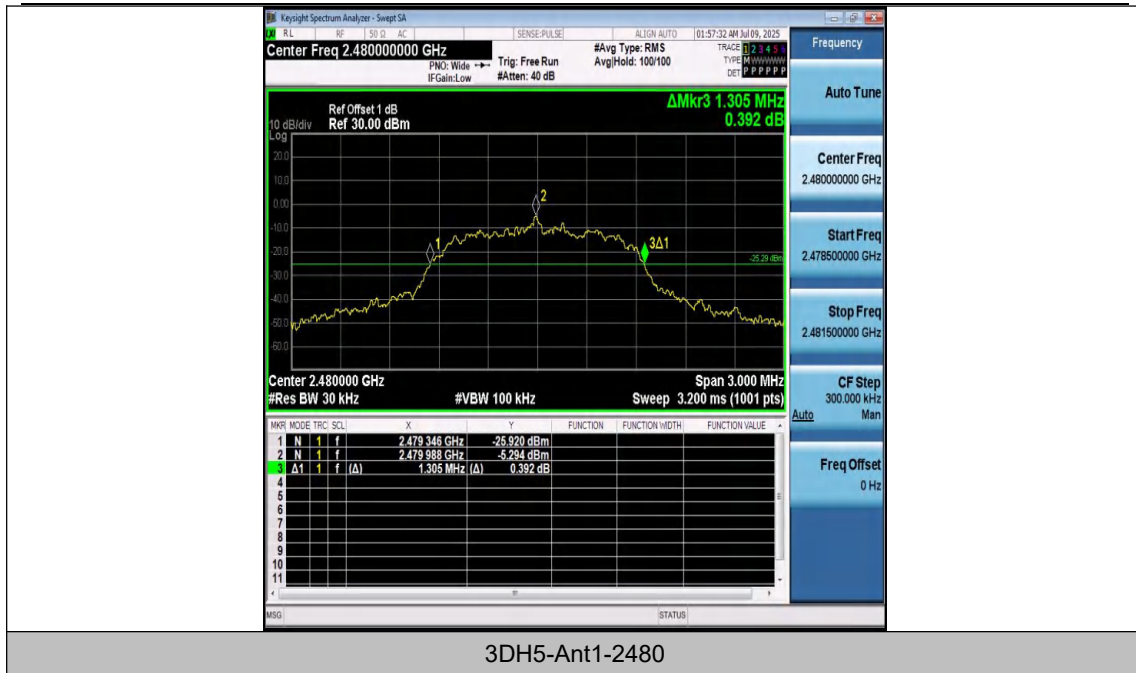


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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.93138	2401.5313	2402.4627	---	---
DH5	Ant1	2441	0.92891	2440.5288	2441.4578	---	---
DH5	Ant1	2480	0.94217	2479.5238	2480.4660	---	---
2DH5	Ant1	2402	1.2160	2401.3993	2402.6153	---	---
2DH5	Ant1	2441	1.2288	2440.3919	2441.6207	---	---
2DH5	Ant1	2480	1.2194	2479.3986	2480.6180	---	---
3DH5	Ant1	2402	1.2131	2401.3912	2402.6043	---	---
3DH5	Ant1	2441	1.2094	2440.3971	2441.6065	---	---
3DH5	Ant1	2480	1.2088	2479.3967	2480.6055	---	---

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Test Graphs

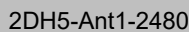
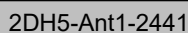


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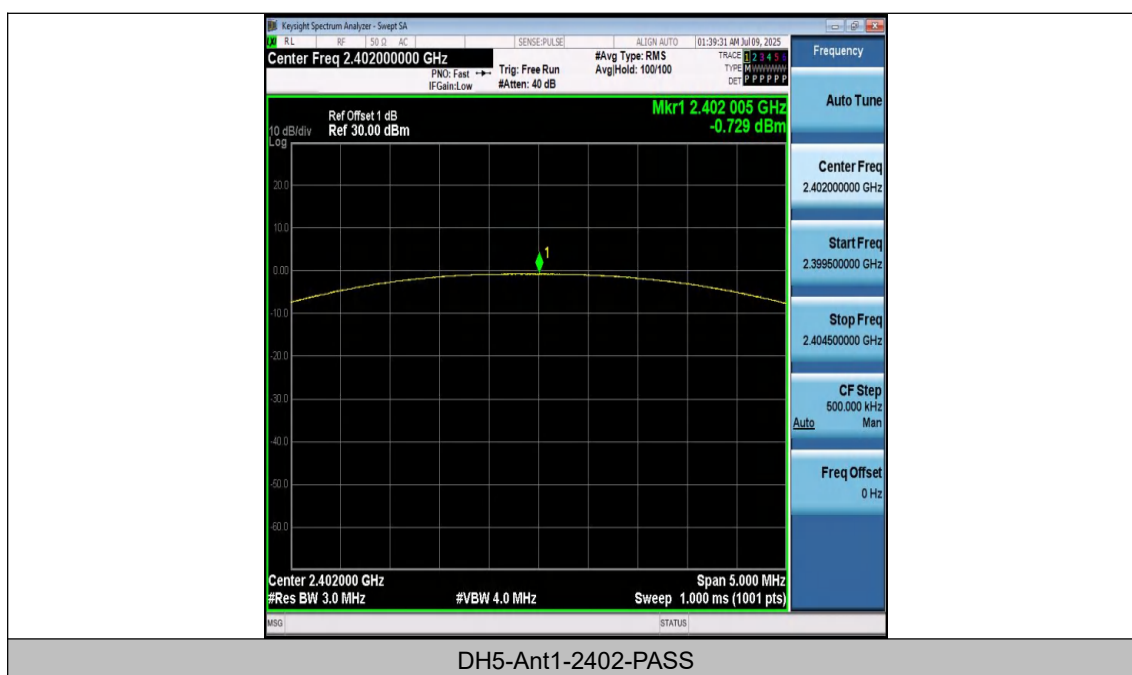
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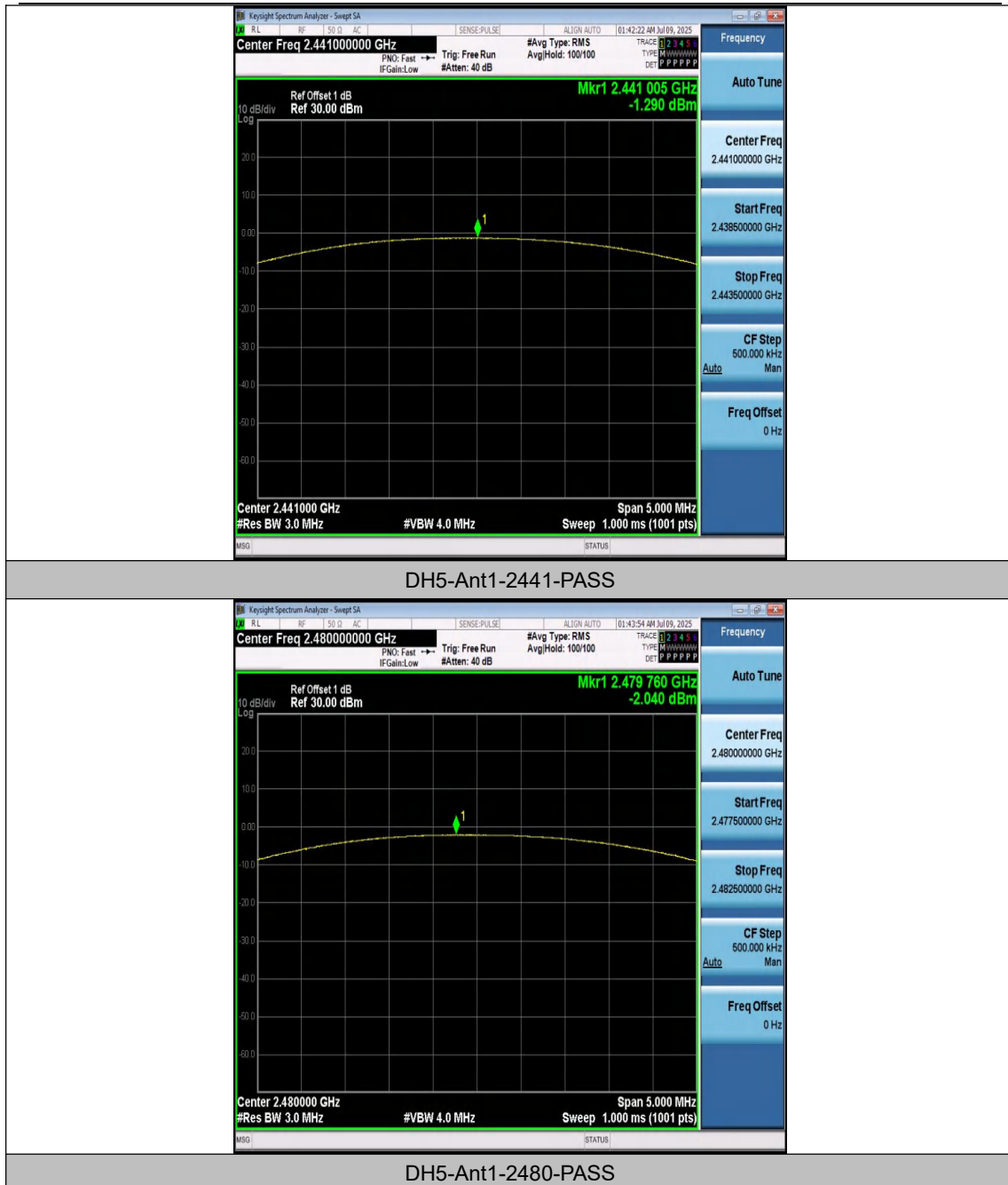
Appendix C: Maximum Conducted Output Power

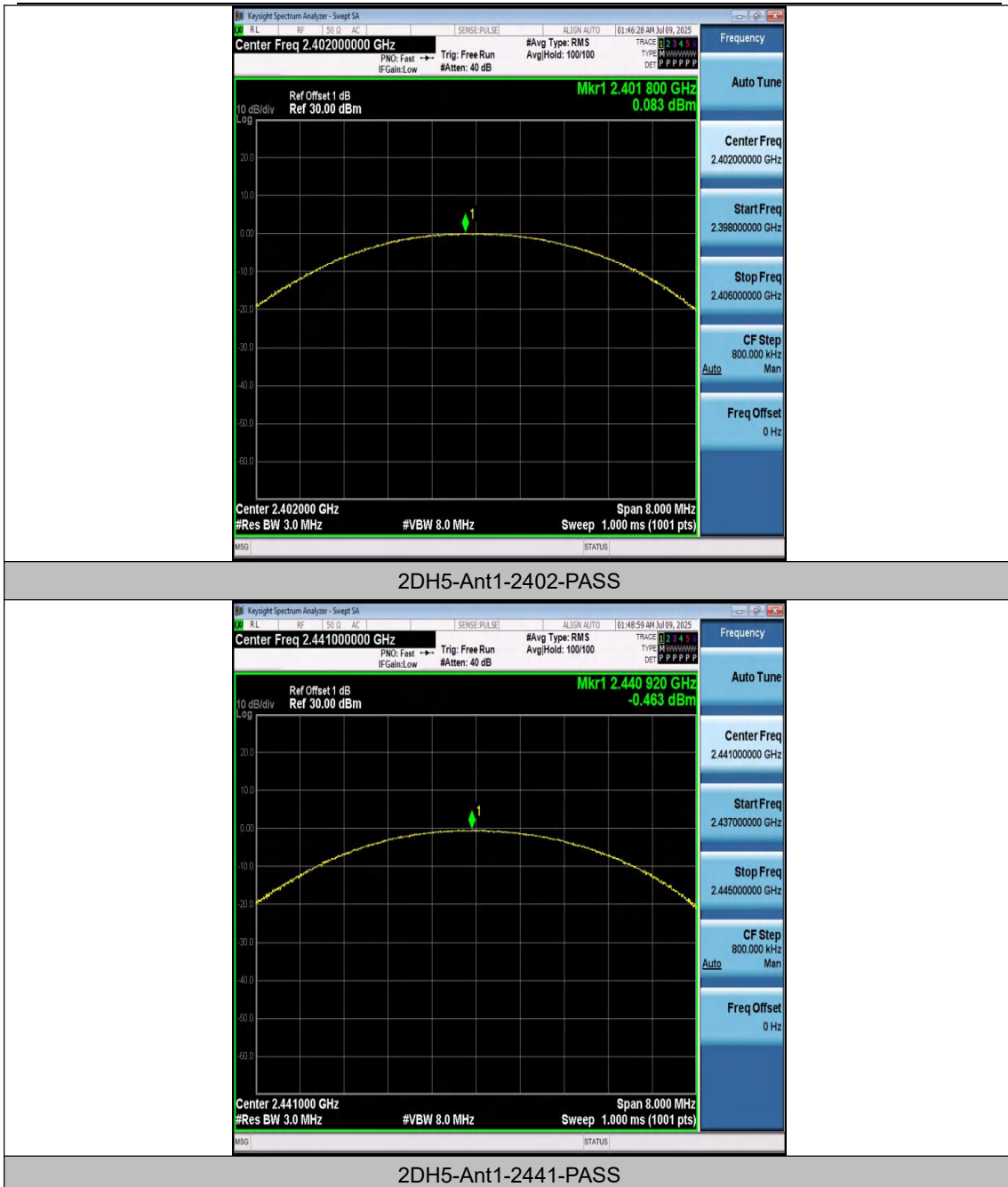
Test Result Peak

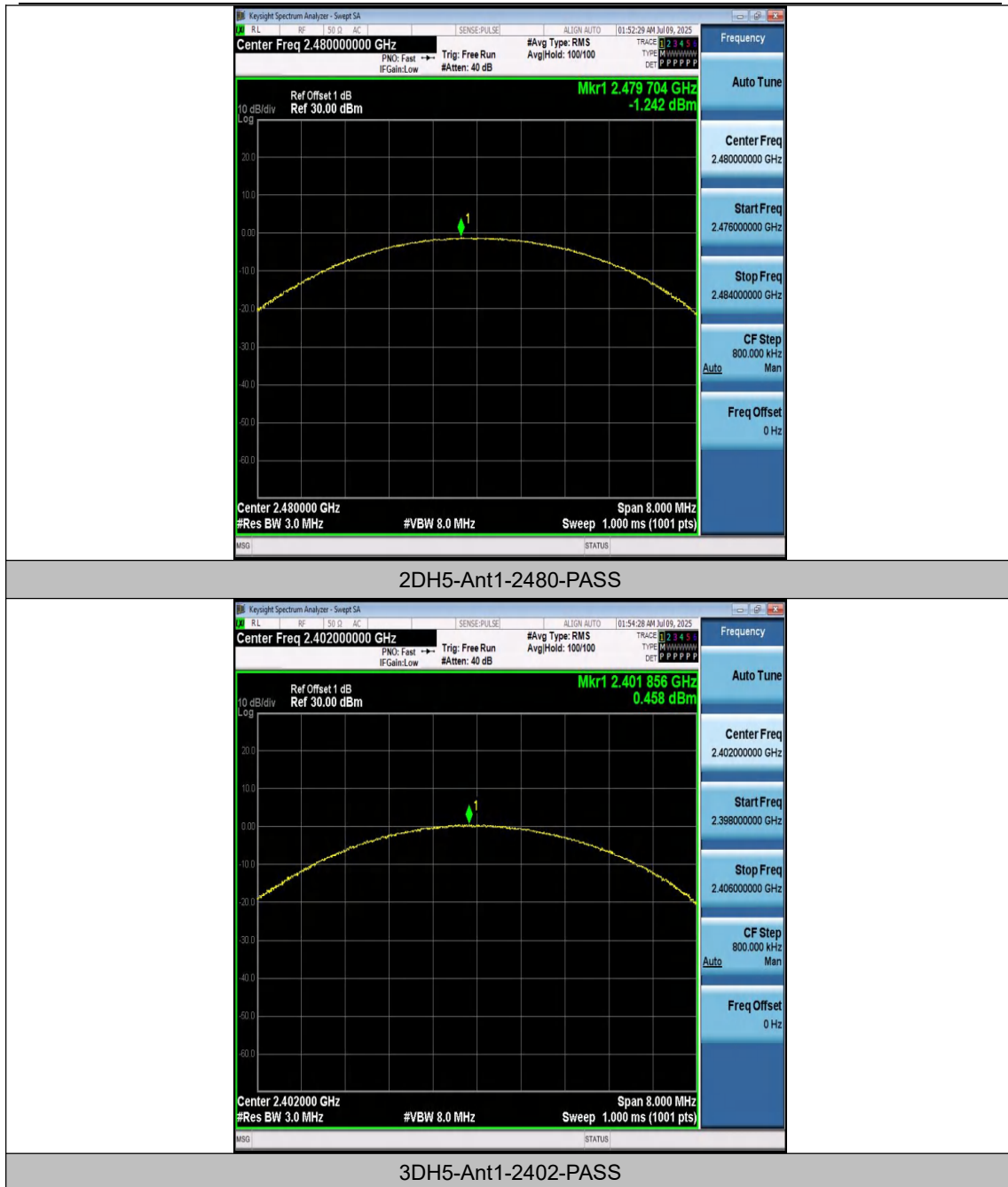
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.73	≤20.97	PASS
DH5	Ant1	2441	-1.29	≤20.97	PASS
DH5	Ant1	2480	-2.04	≤20.97	PASS
2DH5	Ant1	2402	0.08	≤20.97	PASS
2DH5	Ant1	2441	-0.46	≤20.97	PASS
2DH5	Ant1	2480	-1.24	≤20.97	PASS
3DH5	Ant1	2402	0.46	≤20.97	PASS
3DH5	Ant1	2441	-0.11	≤20.97	PASS
3DH5	Ant1	2480	-0.92	≤20.97	PASS

Test Graphs







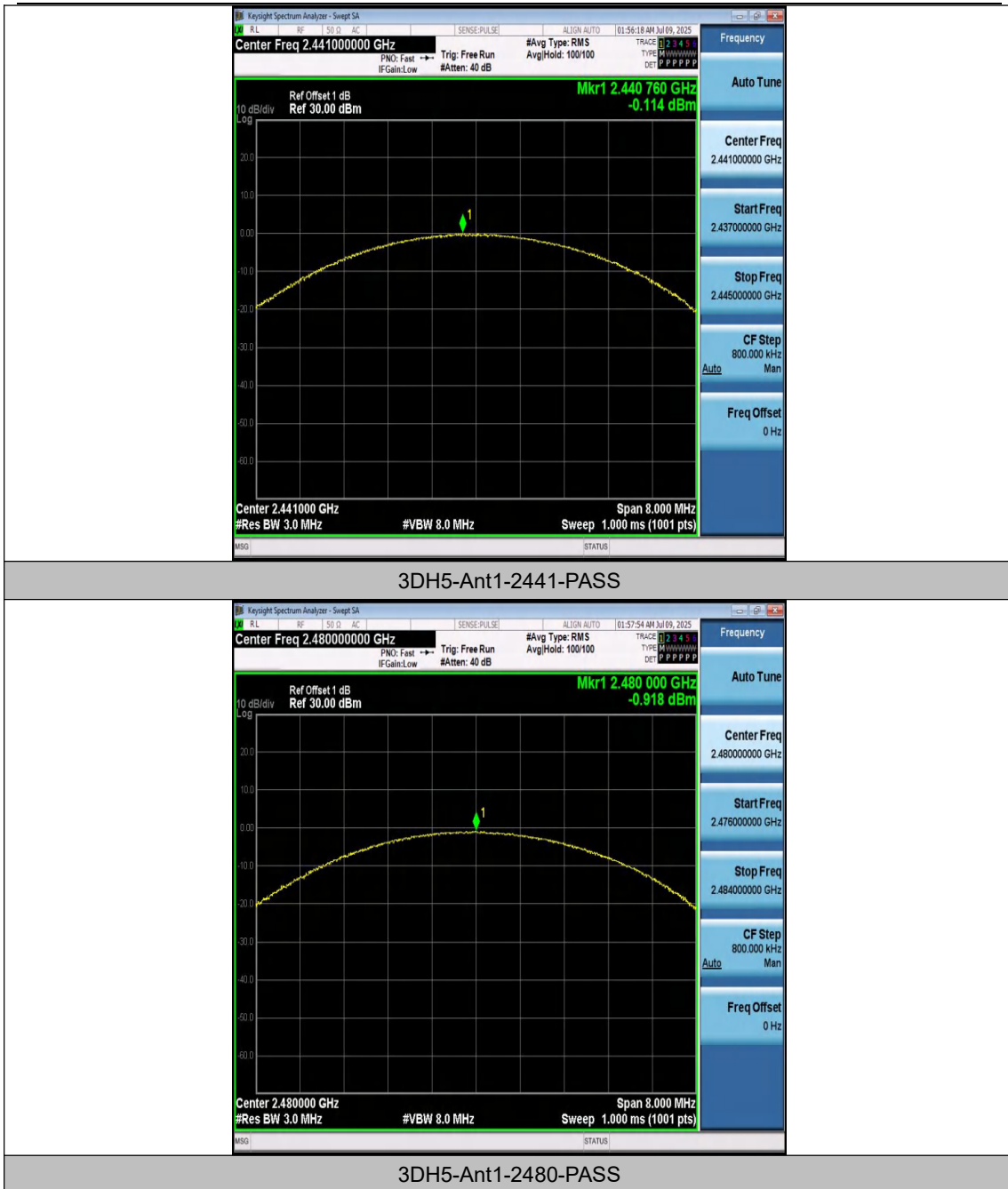


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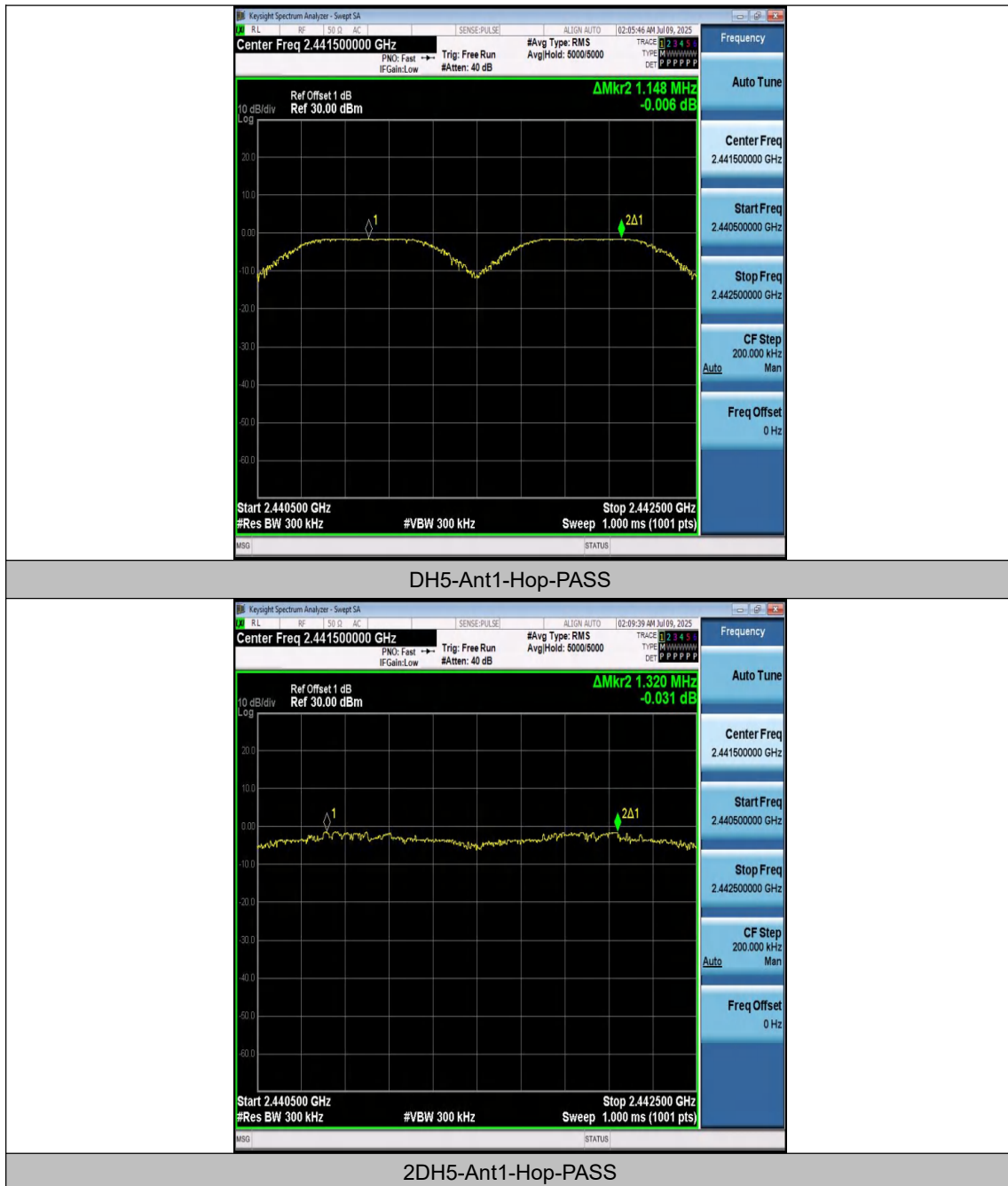
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.148	≥0.696	PASS
2DH5	Ant1	Hop	1.32	≥0.890	PASS
3DH5	Ant1	Hop	1.172	≥0.906	PASS

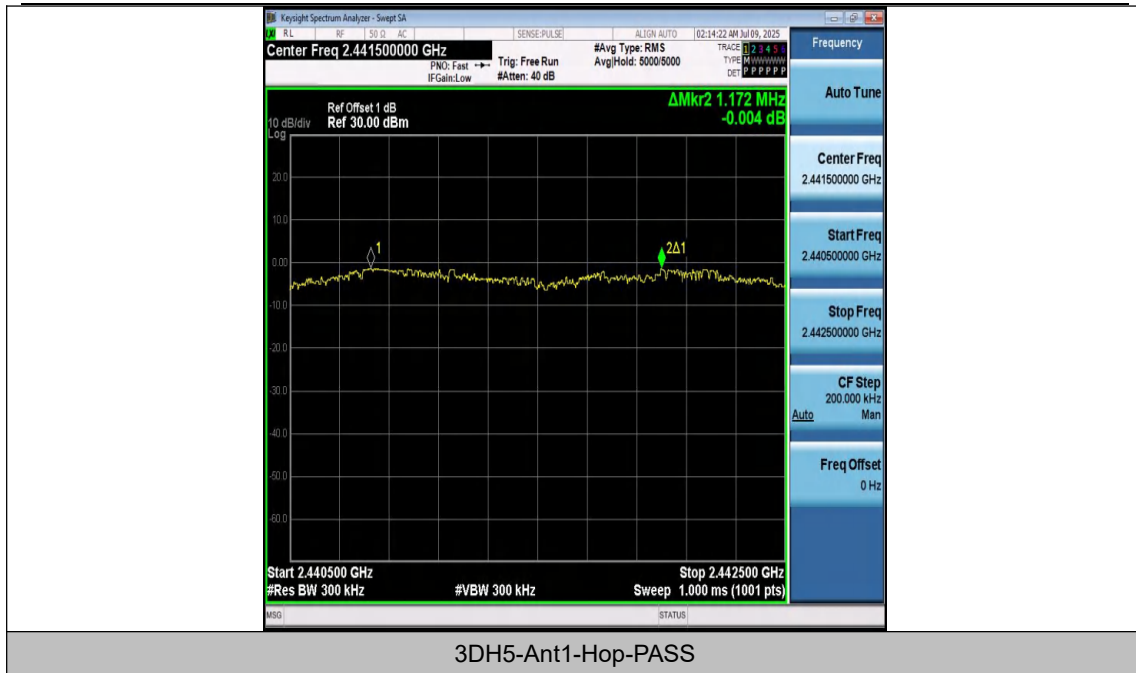
Test Graphs



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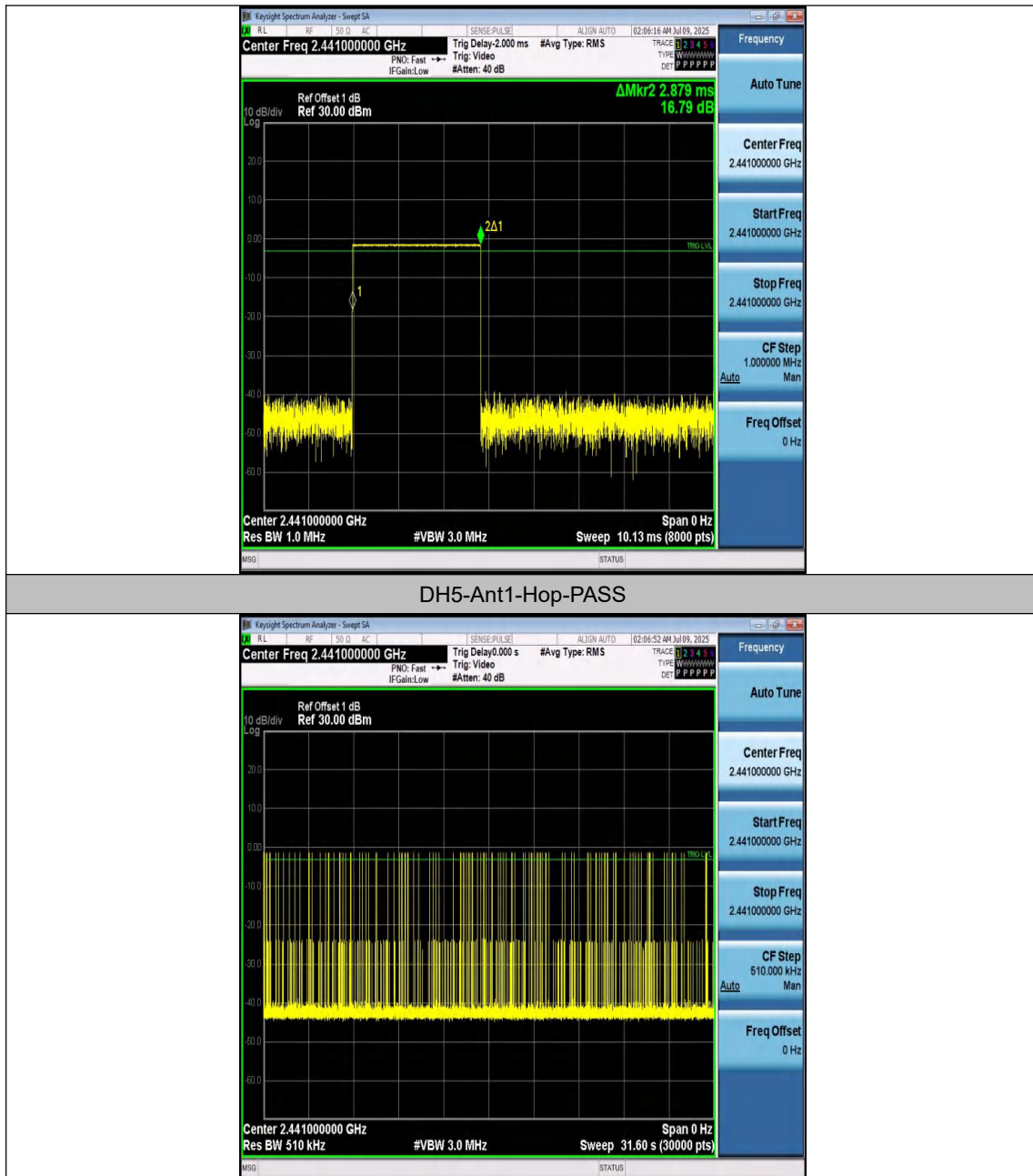
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	117	0.337	≤0.4	PASS
2DH5	Ant1	Hop	2.884	113	0.326	≤0.4	PASS
3DH5	Ant1	Hop	2.885	115	0.332	≤0.4	PASS



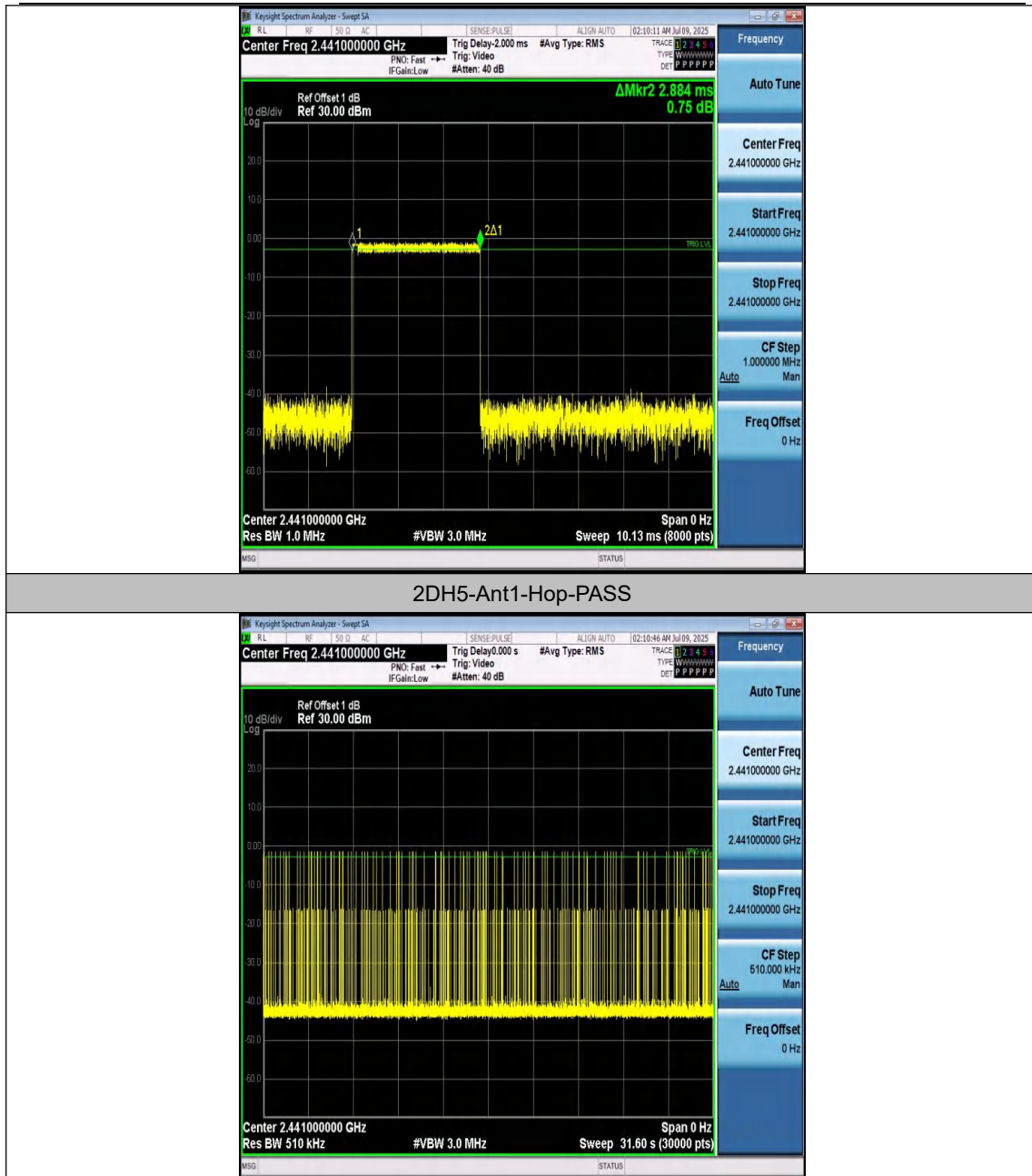
Test Graphs



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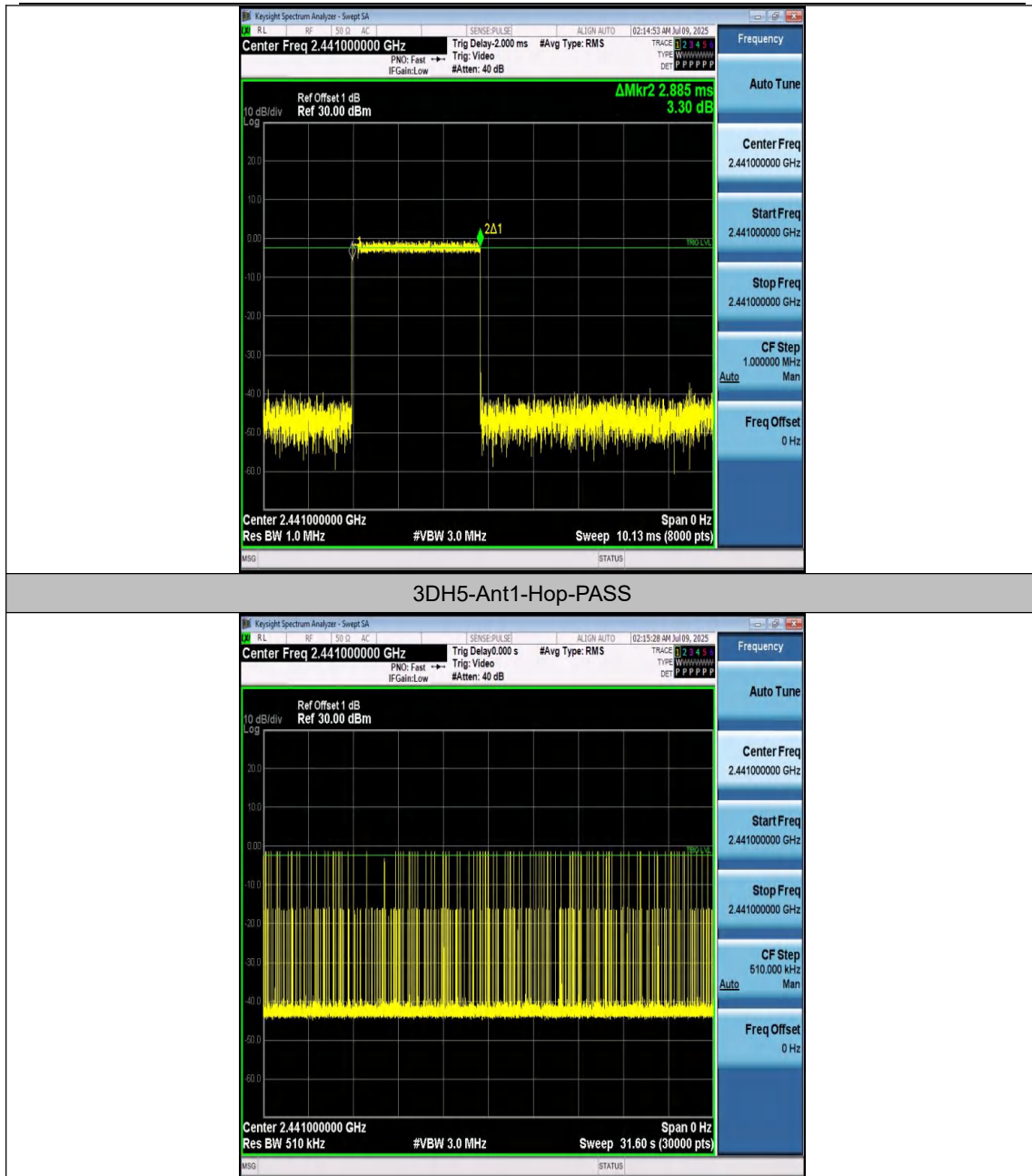


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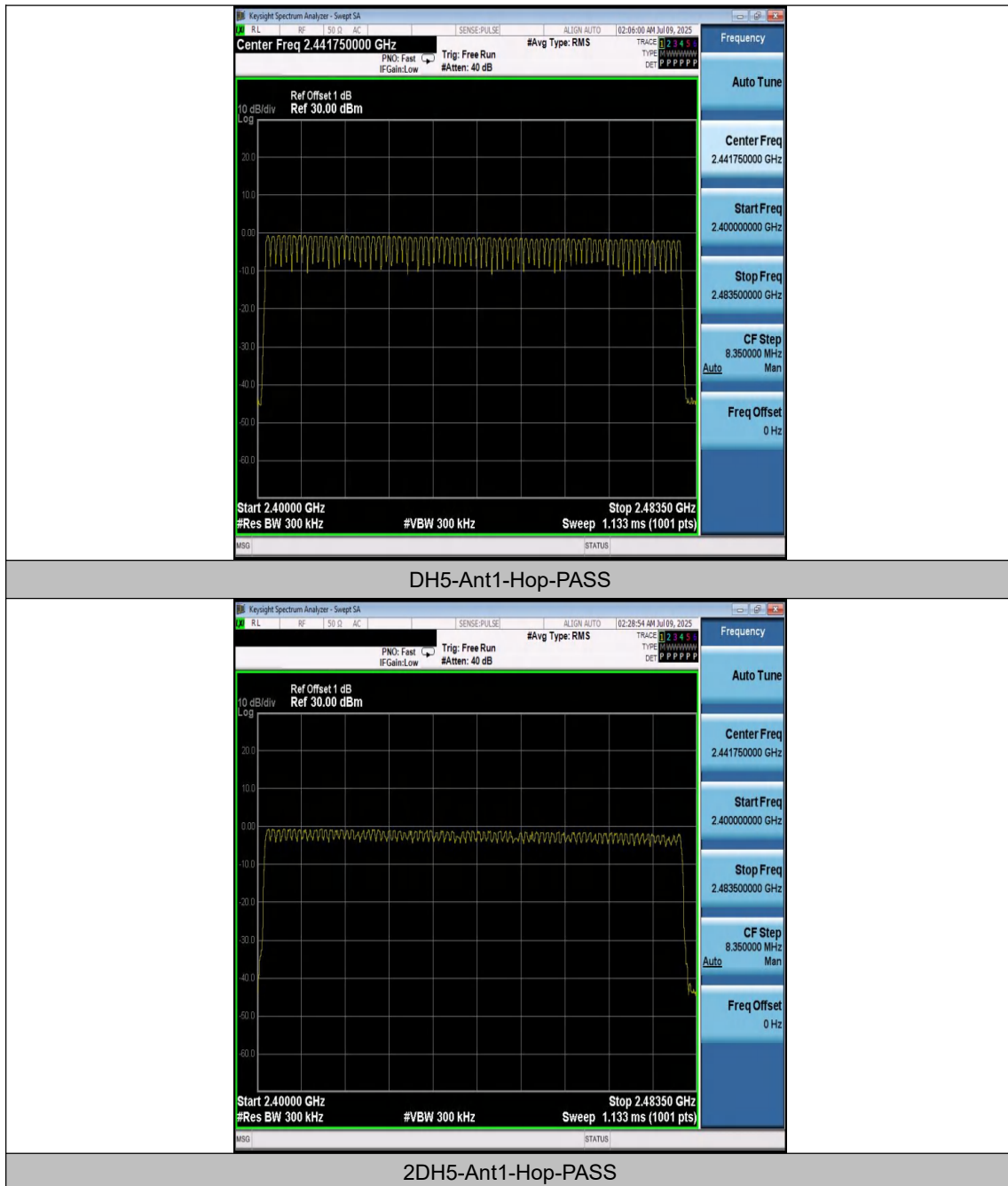
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Appendix F: Number of Hopping Channel

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

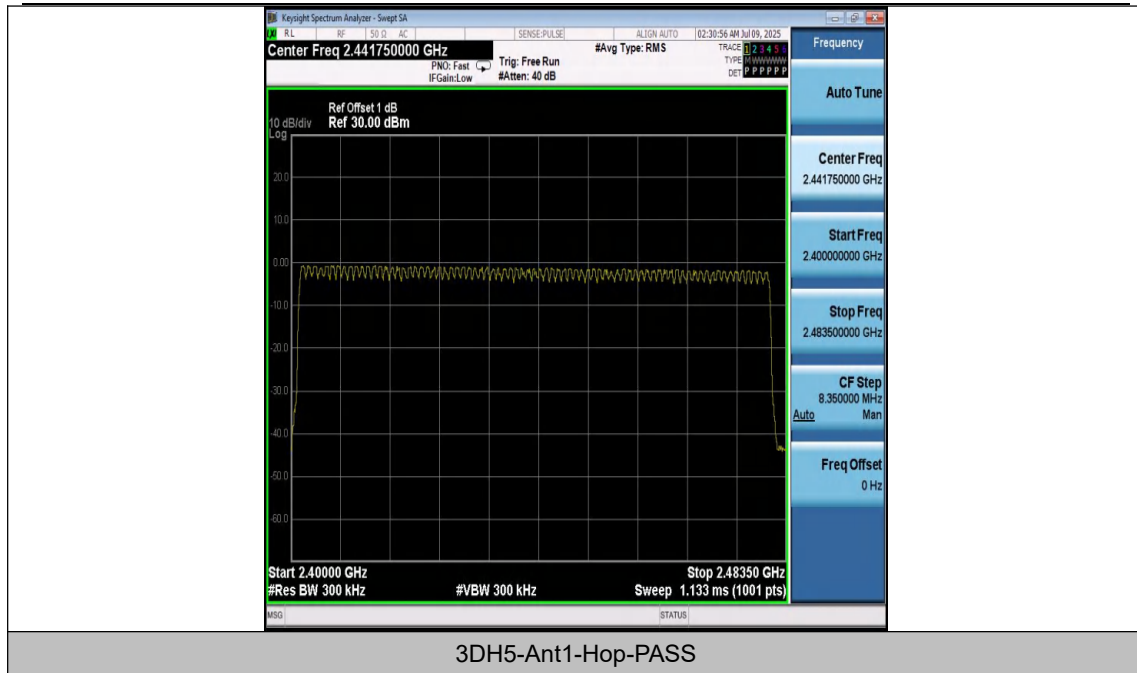
Test Graphs



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Appendix G: Conducted Band edge

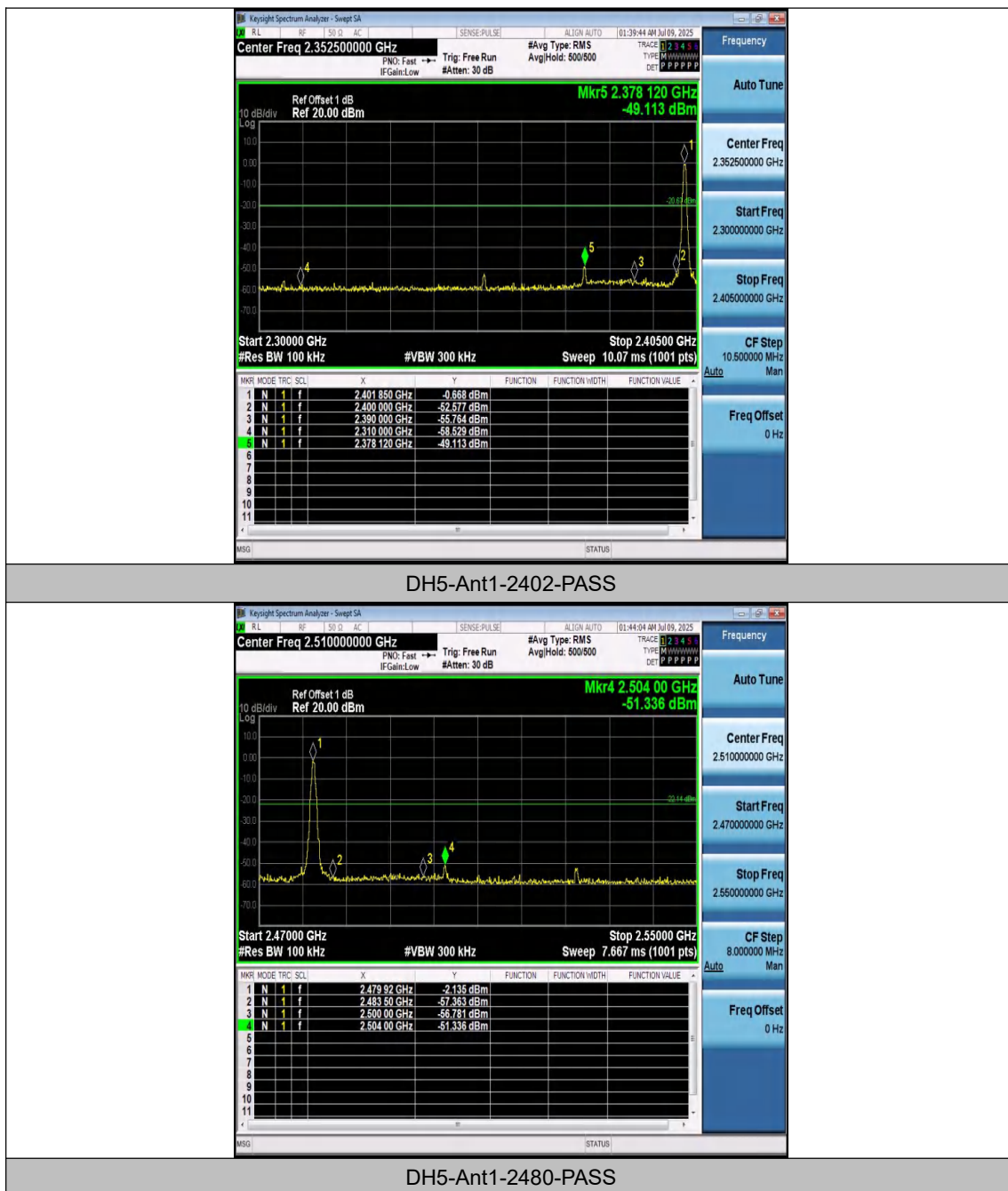
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.67	-49.11	≤ -20.67	PASS
DH5	Ant1	High	2480	-2.14	-51.34	≤ -22.14	PASS
DH5	Ant1	Low	Hop_2402	-1.01	-49.9	≤ -21.01	PASS
DH5	Ant1	High	Hop_2480	-2.10	-51.2	≤ -22.1	PASS
2DH5	Ant1	Low	2402	-0.72	-50.62	≤ -20.72	PASS
2DH5	Ant1	High	2480	-2.20	-52.34	≤ -22.2	PASS
2DH5	Ant1	Low	Hop_2402	-1.19	-51.27	≤ -21.19	PASS
2DH5	Ant1	High	Hop_2480	-2.53	-52.06	≤ -22.53	PASS
3DH5	Ant1	Low	2402	-1.12	-44.23	≤ -21.12	PASS
3DH5	Ant1	High	2480	-2.06	-52.79	≤ -22.06	PASS
3DH5	Ant1	Low	Hop_2402	-3.67	-51.19	≤ -23.67	PASS
3DH5	Ant1	High	Hop_2480	-5.26	-52.9	≤ -25.26	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



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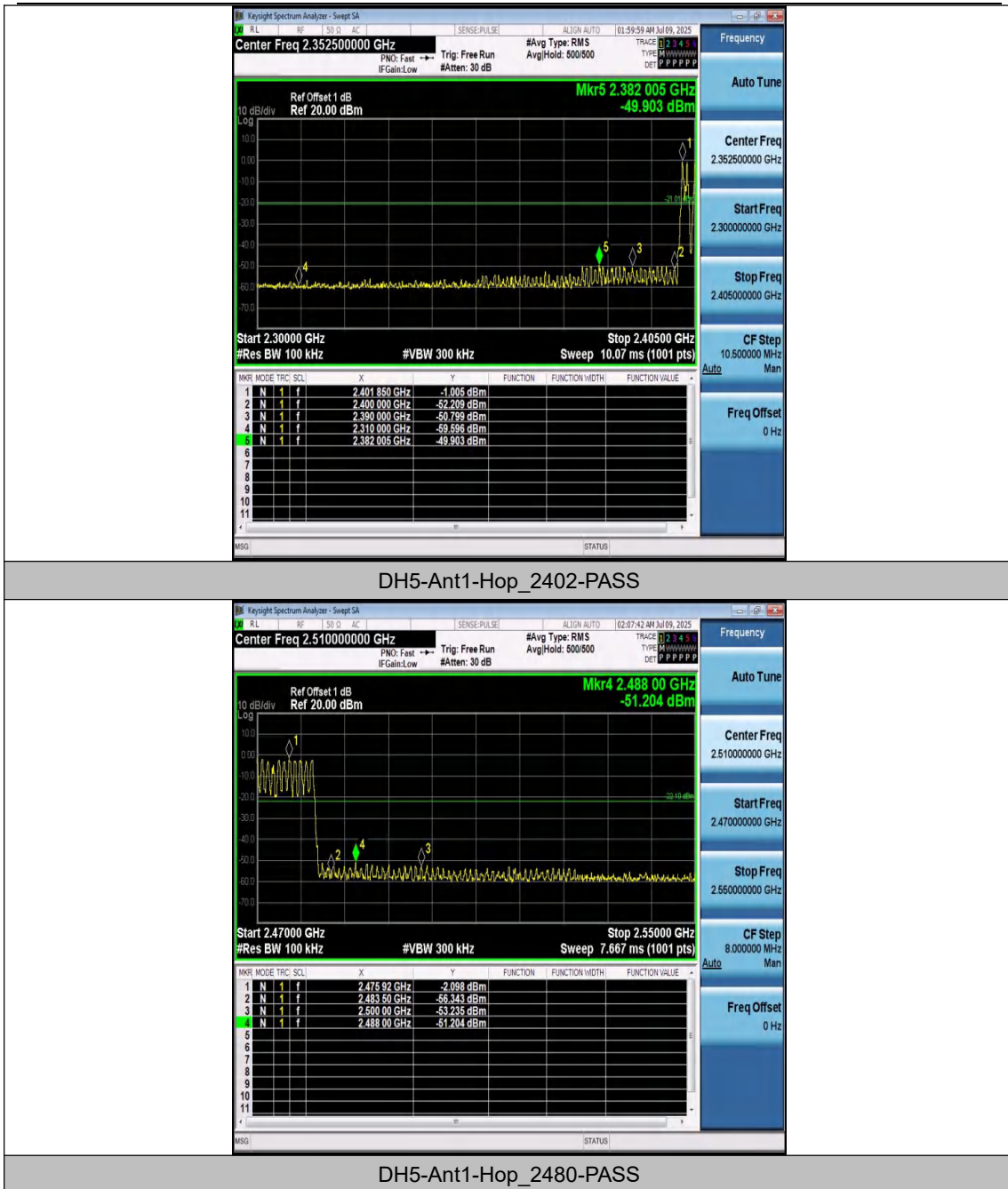
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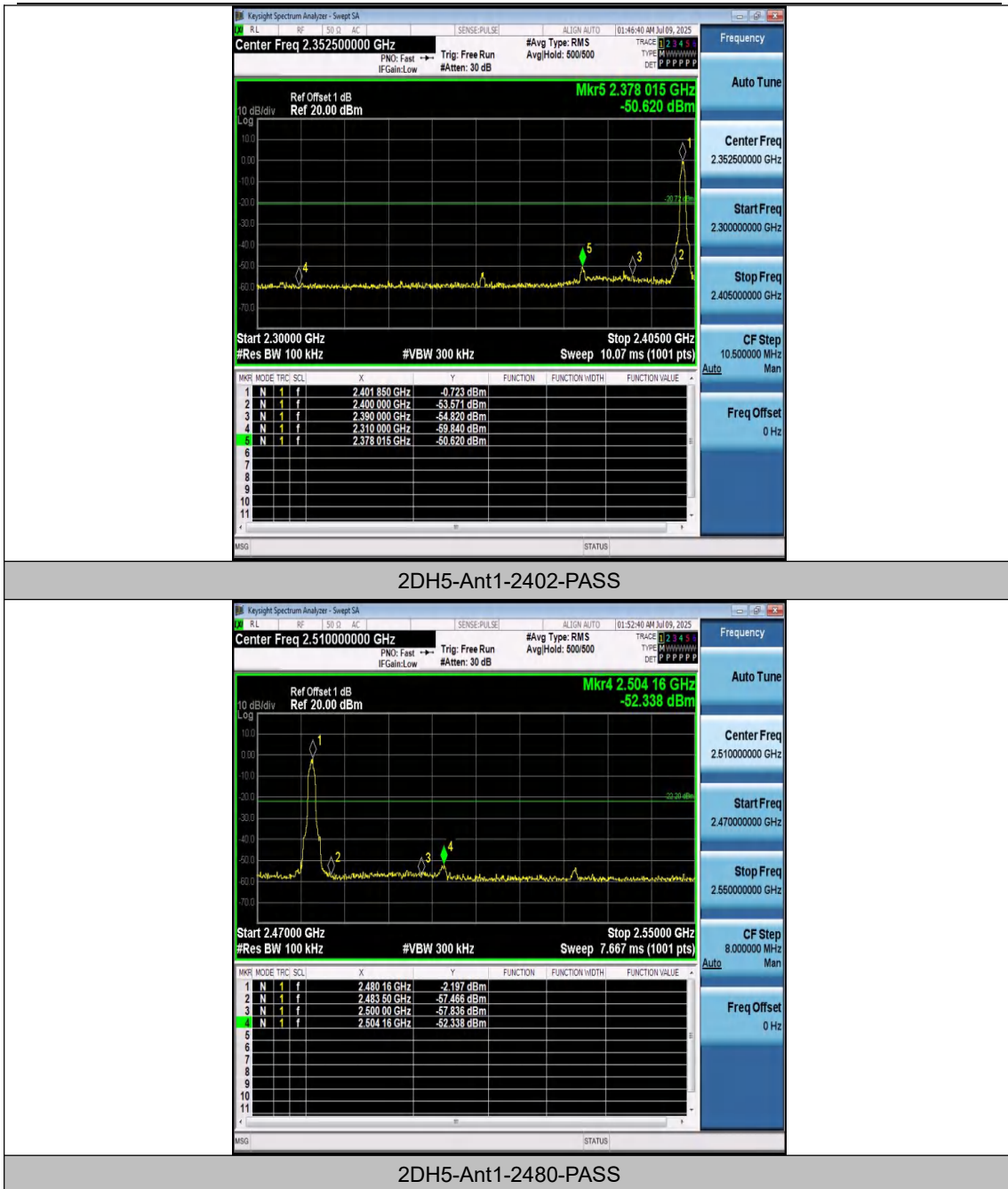
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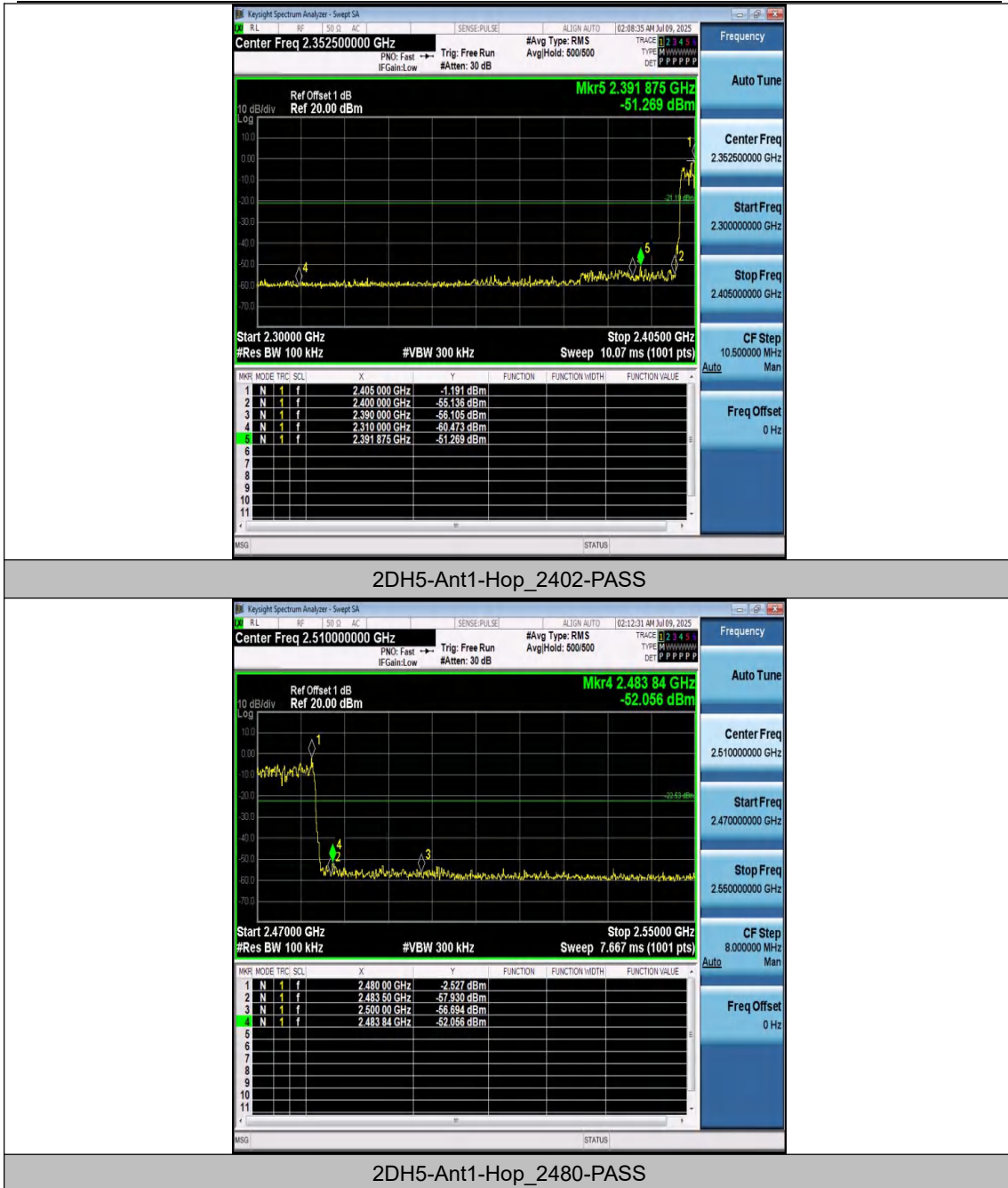


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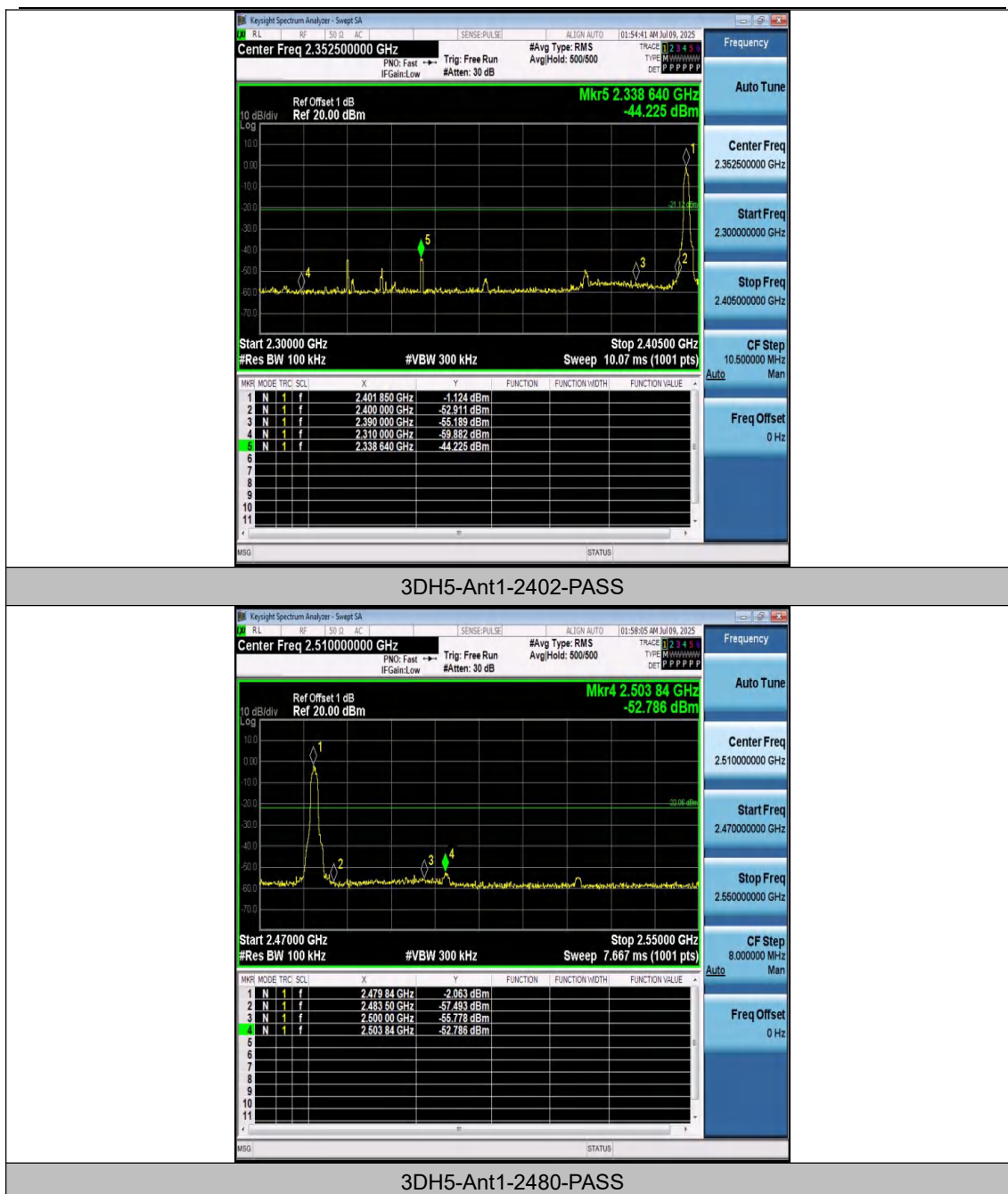


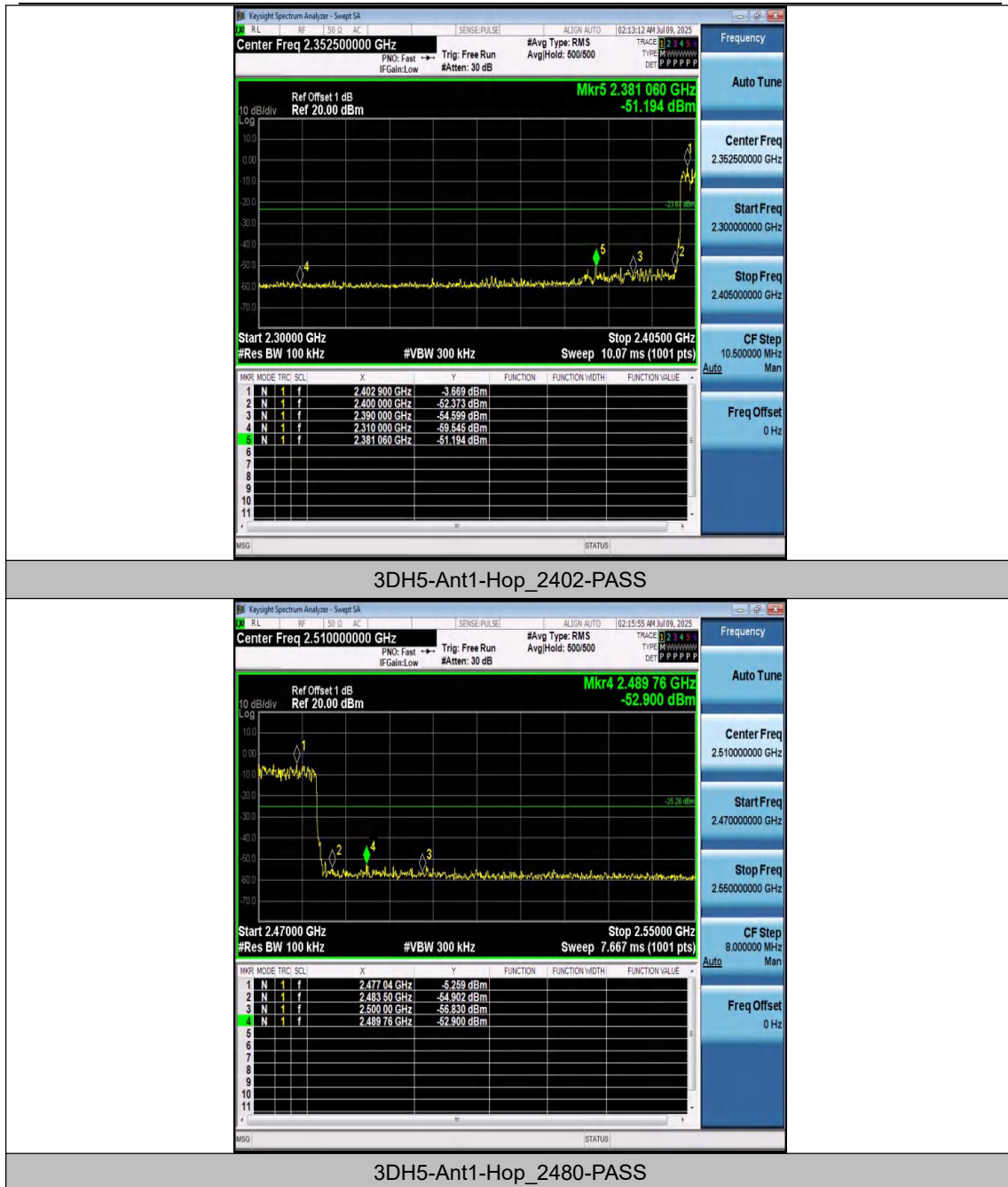


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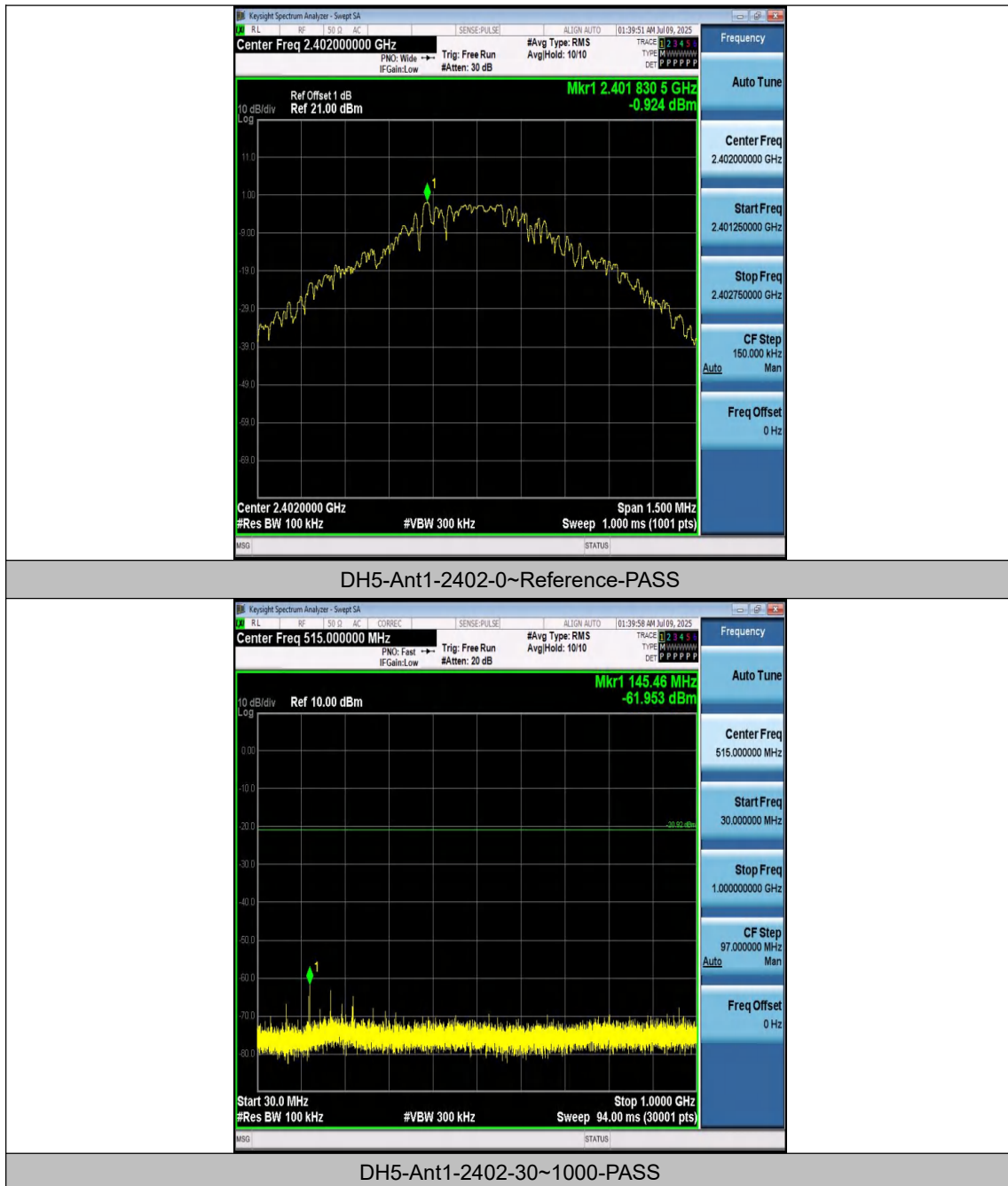
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.92	-0.92	---	PASS
DH5	Ant1	2402	30~1000	-0.92	-61.95	≤-20.92	PASS
DH5	Ant1	2402	1000~26500	-0.92	-41.84	≤-20.92	PASS
DH5	Ant1	2441	0~Reference	-1.92	-1.92	---	PASS
DH5	Ant1	2441	30~1000	-1.92	-60.91	≤-21.92	PASS
DH5	Ant1	2441	1000~26500	-1.92	-41.29	≤-21.92	PASS
DH5	Ant1	2480	0~Reference	-2.91	-2.91	---	PASS
DH5	Ant1	2480	30~1000	-2.91	-60.27	≤-22.91	PASS
DH5	Ant1	2480	1000~26500	-2.91	-41.59	≤-22.91	PASS
2DH5	Ant1	2402	0~Reference	-2.27	-2.27	---	PASS
2DH5	Ant1	2402	30~1000	-2.27	-57.54	≤-22.27	PASS
2DH5	Ant1	2402	1000~26500	-2.27	-42.86	≤-22.27	PASS
2DH5	Ant1	2441	0~Reference	-2.01	-2.01	---	PASS
2DH5	Ant1	2441	30~1000	-2.01	-61.64	≤-22.01	PASS
2DH5	Ant1	2441	1000~26500	-2.01	-43.48	≤-22.01	PASS
2DH5	Ant1	2480	0~Reference	-4.50	-4.50	---	PASS
2DH5	Ant1	2480	30~1000	-4.50	-61.74	≤-24.5	PASS
2DH5	Ant1	2480	1000~26500	-4.50	-43.05	≤-24.5	PASS
3DH5	Ant1	2402	0~Reference	-0.95	-0.95	---	PASS
3DH5	Ant1	2402	30~1000	-0.95	-59.13	≤-20.95	PASS
3DH5	Ant1	2402	1000~26500	-0.95	-44.76	≤-20.95	PASS
3DH5	Ant1	2441	0~Reference	-2.03	-2.03	---	PASS
3DH5	Ant1	2441	30~1000	-2.03	-60.77	≤-22.03	PASS
3DH5	Ant1	2441	1000~26500	-2.03	-42.75	≤-22.03	PASS
3DH5	Ant1	2480	0~Reference	-4.53	-4.53	---	PASS
3DH5	Ant1	2480	30~1000	-4.53	-59.81	≤-24.53	PASS
3DH5	Ant1	2480	1000~26500	-4.53	-43.89	≤-24.53	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

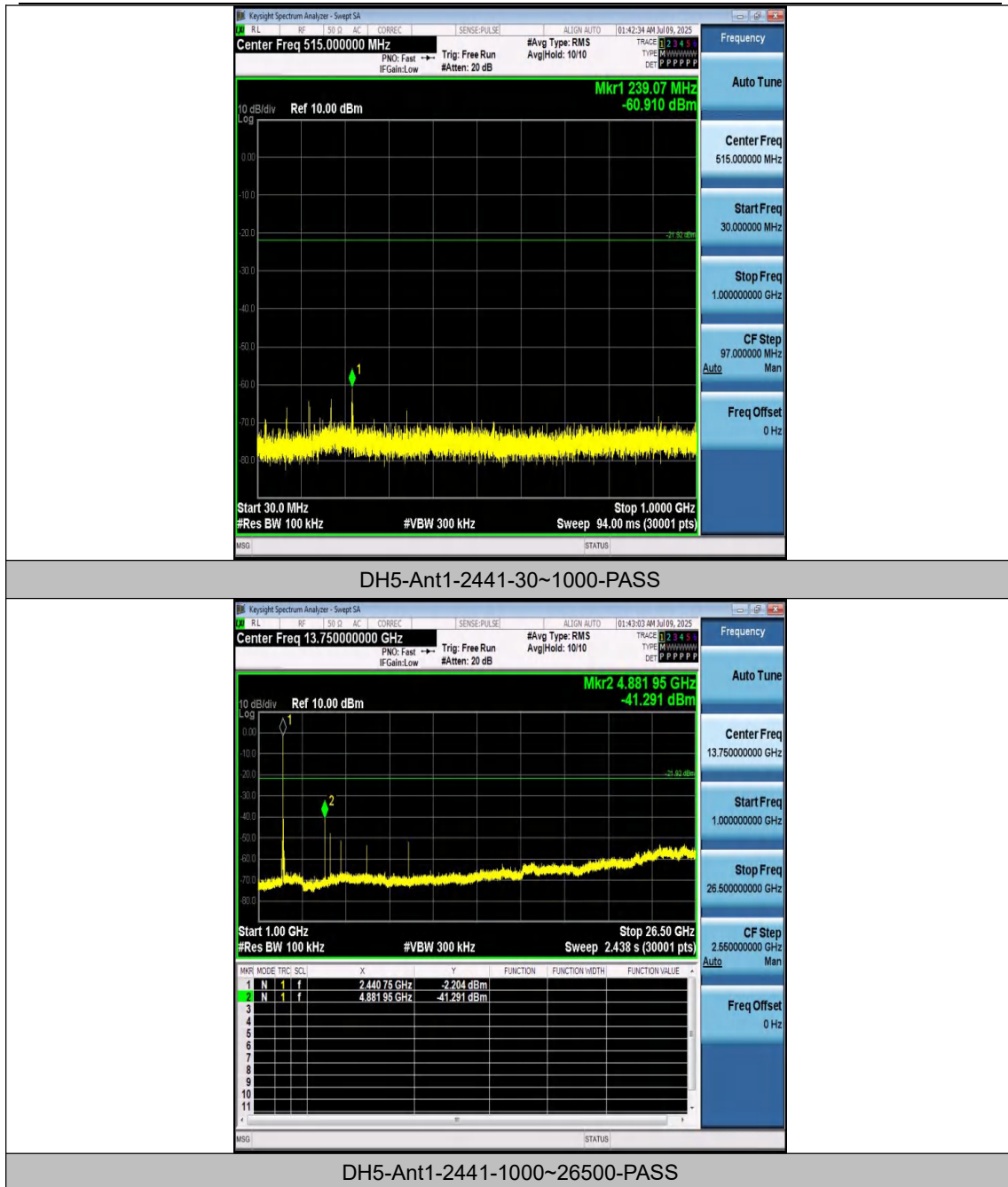


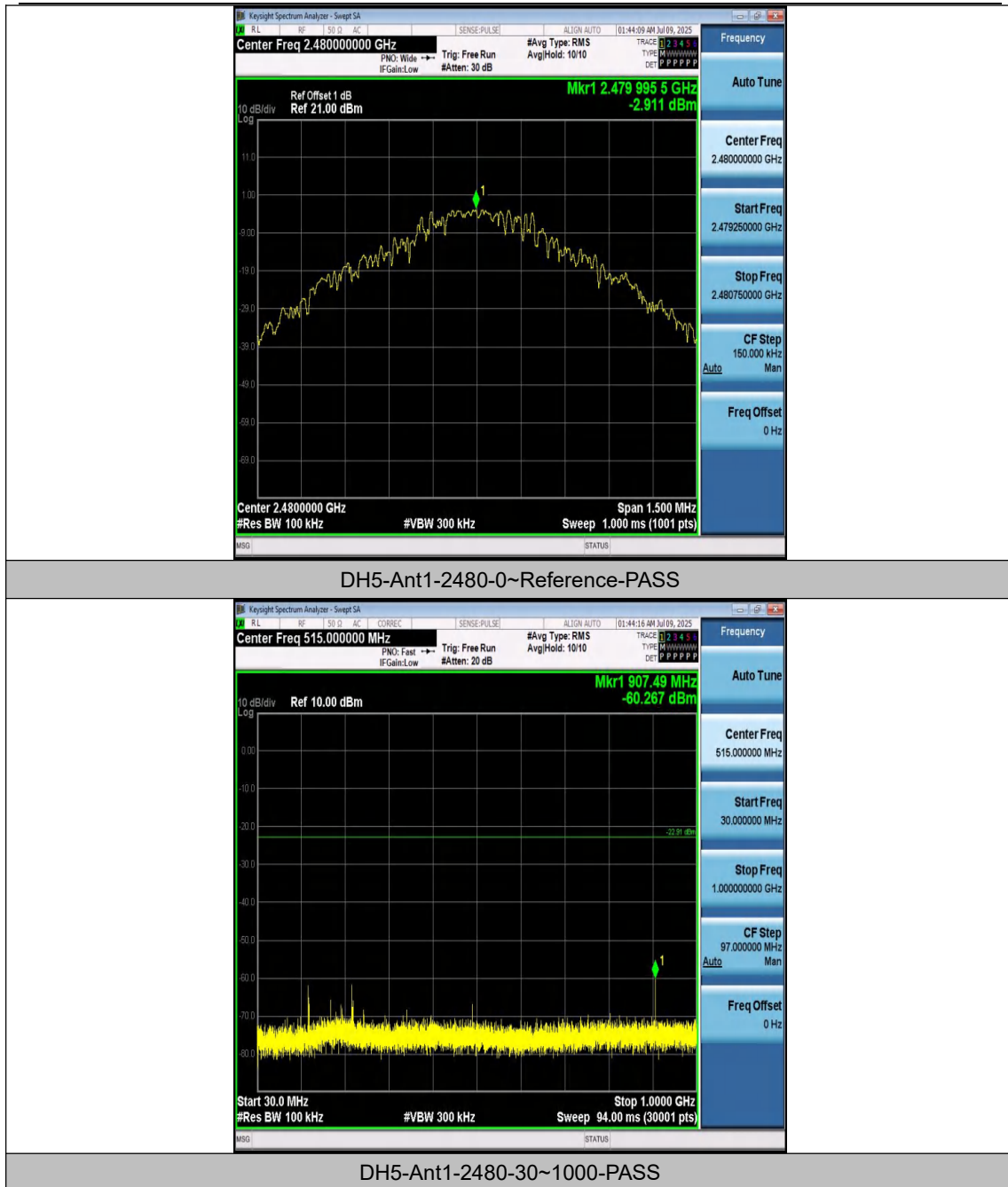
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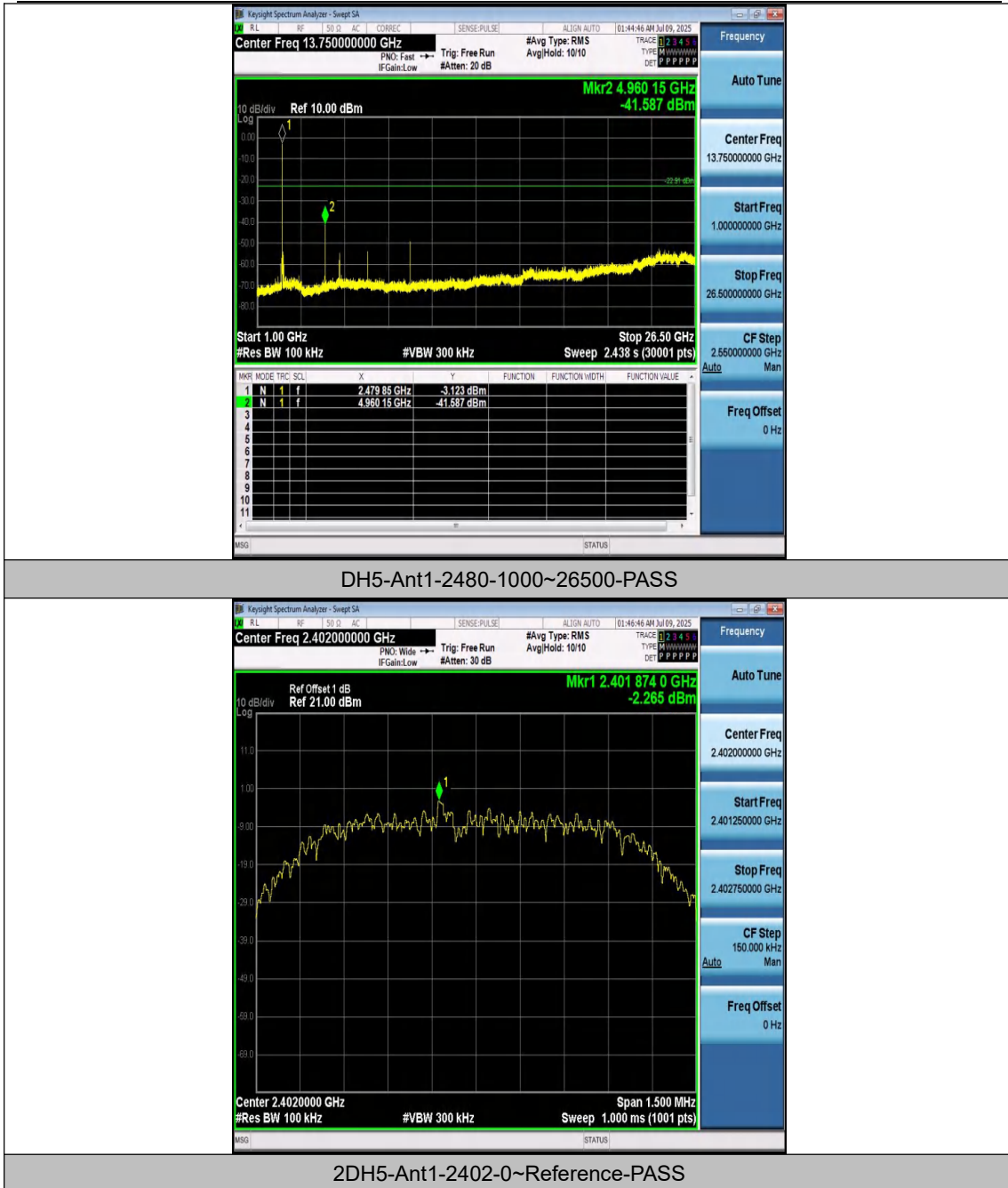


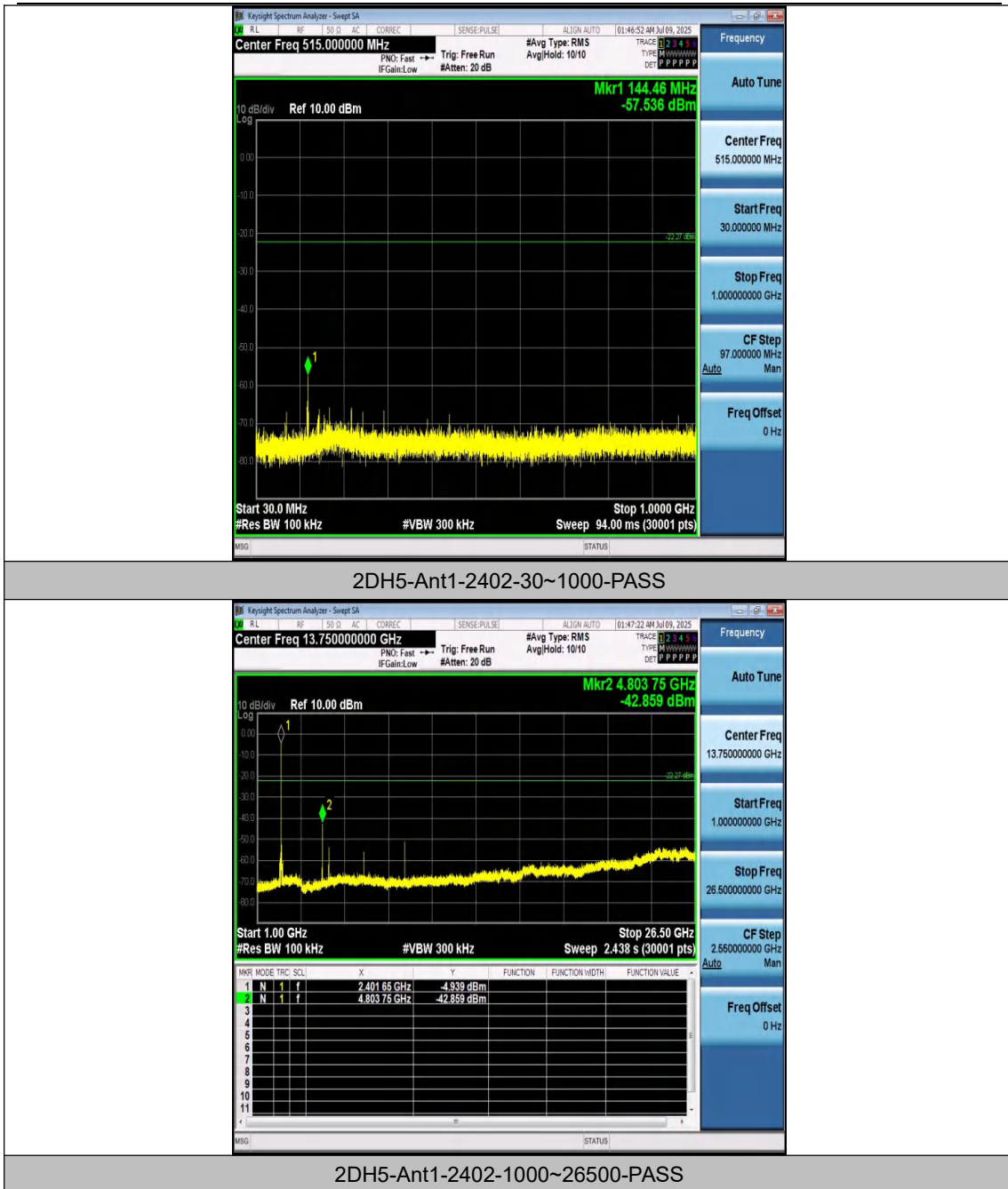


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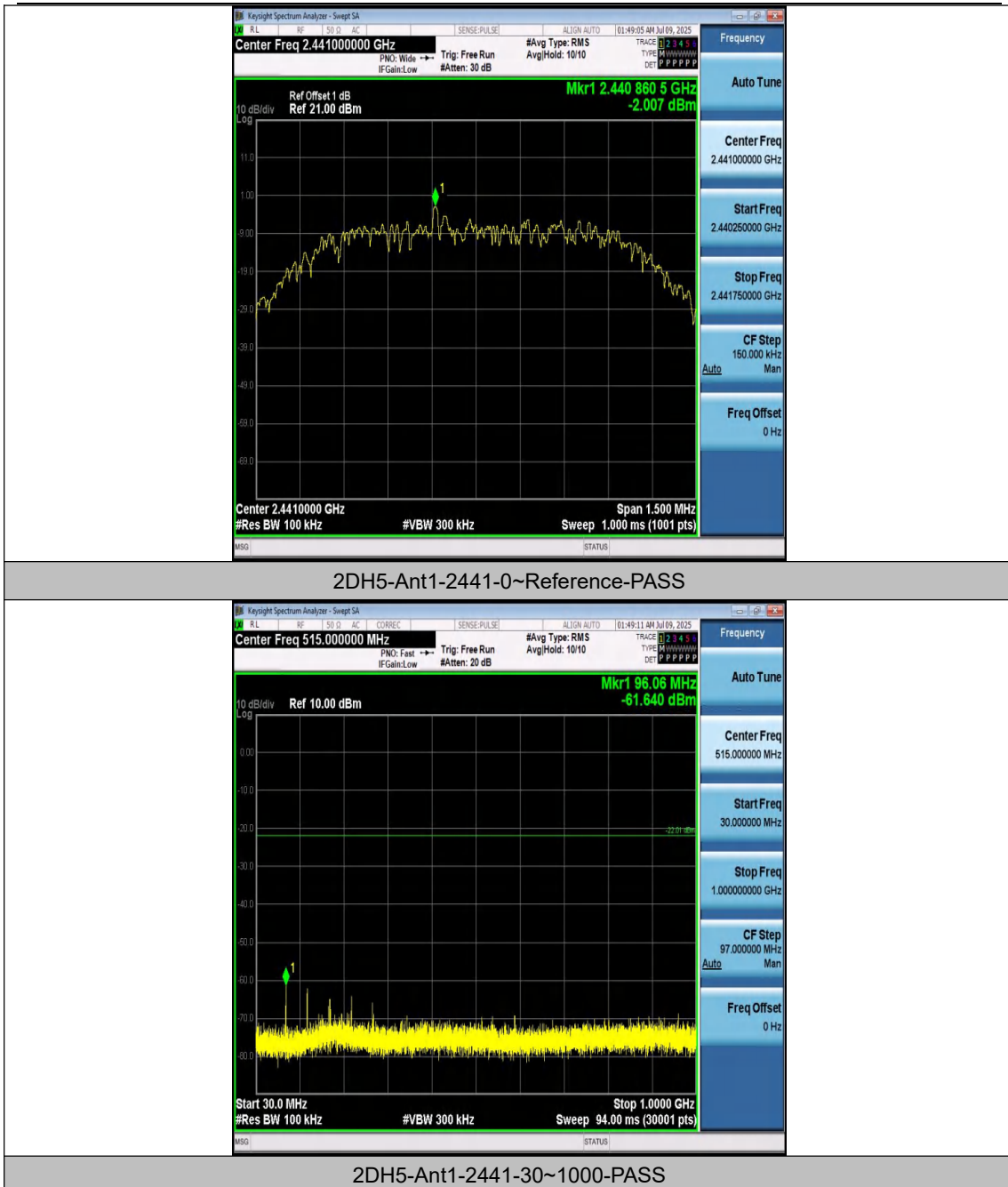




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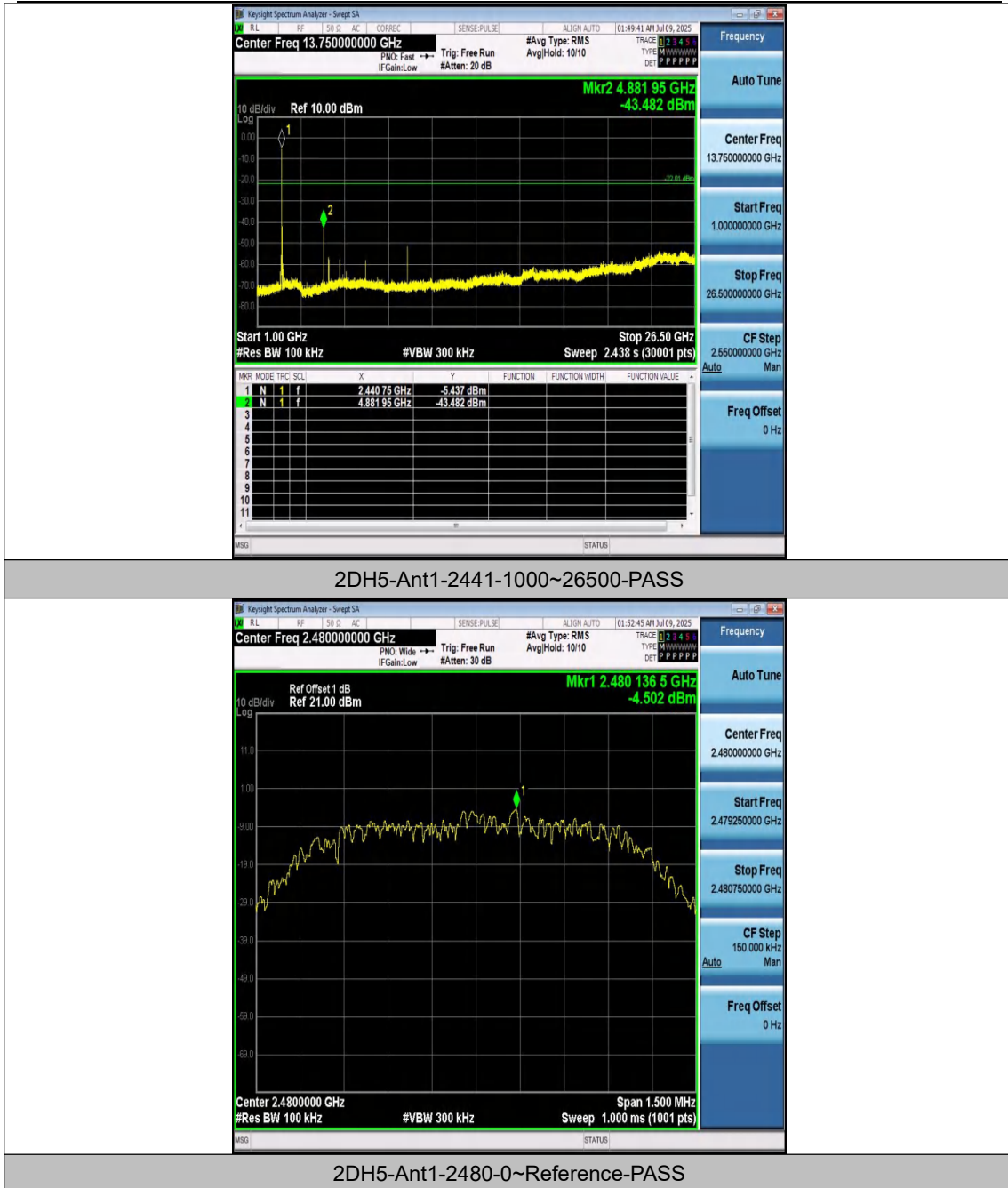
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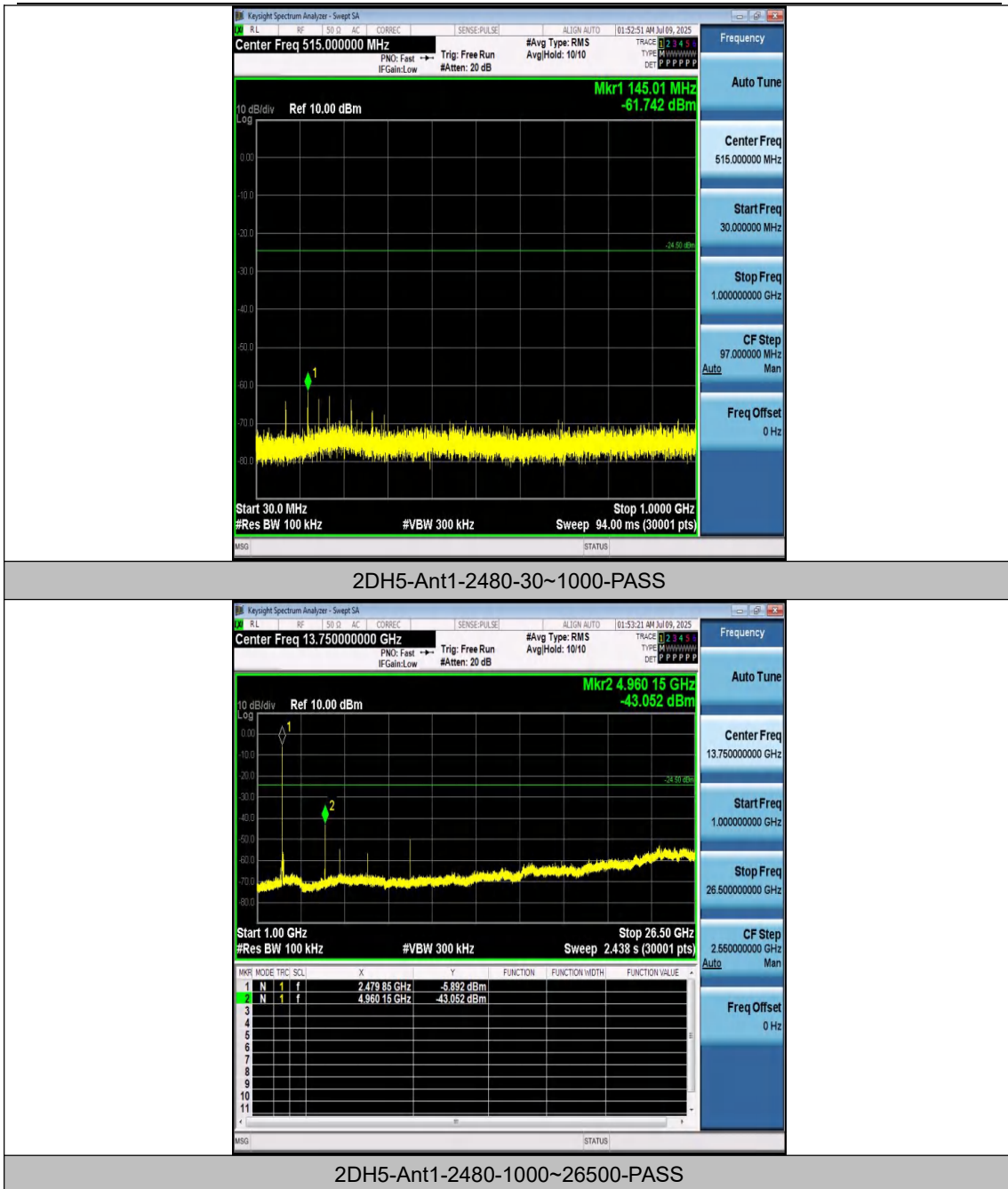


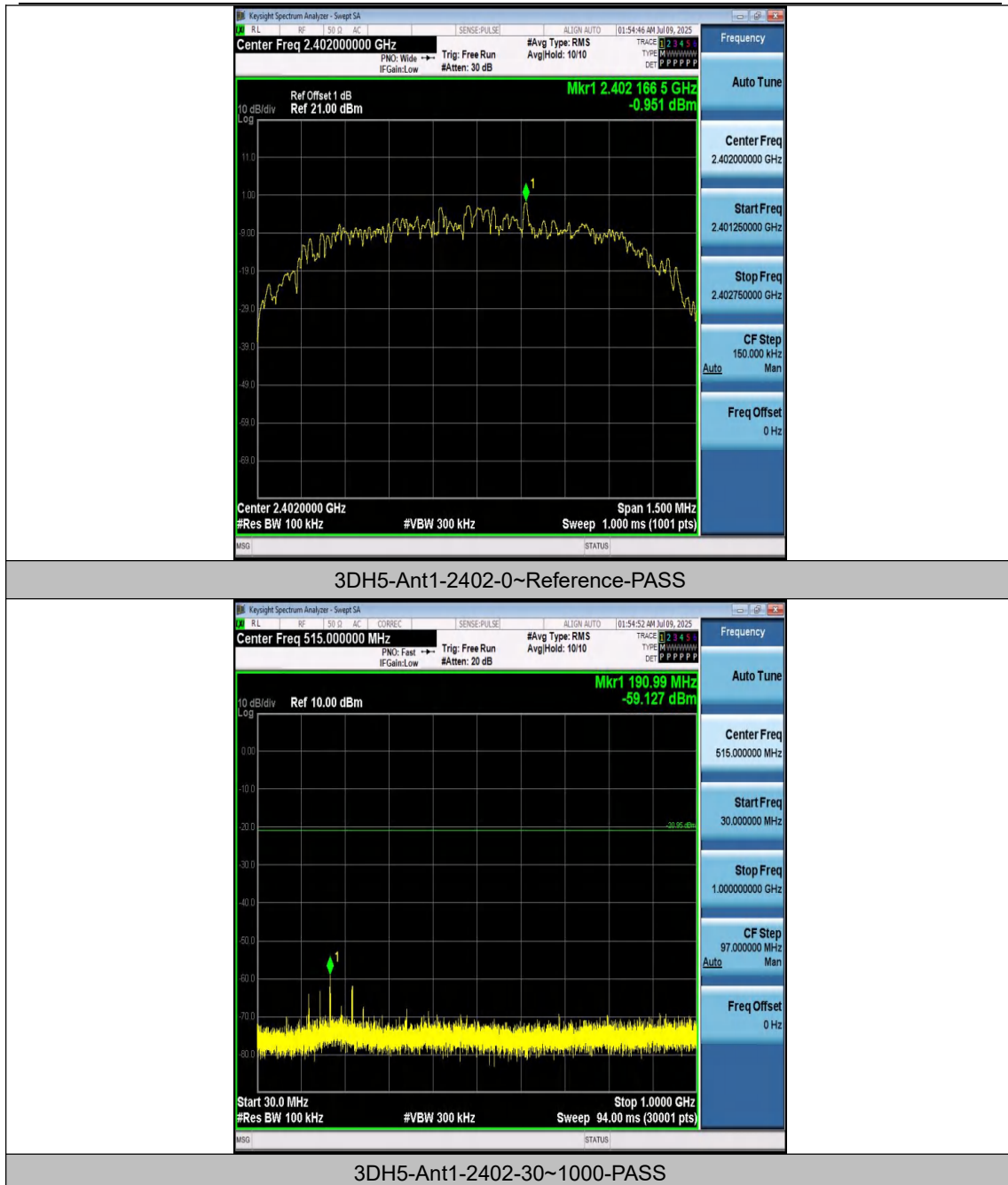
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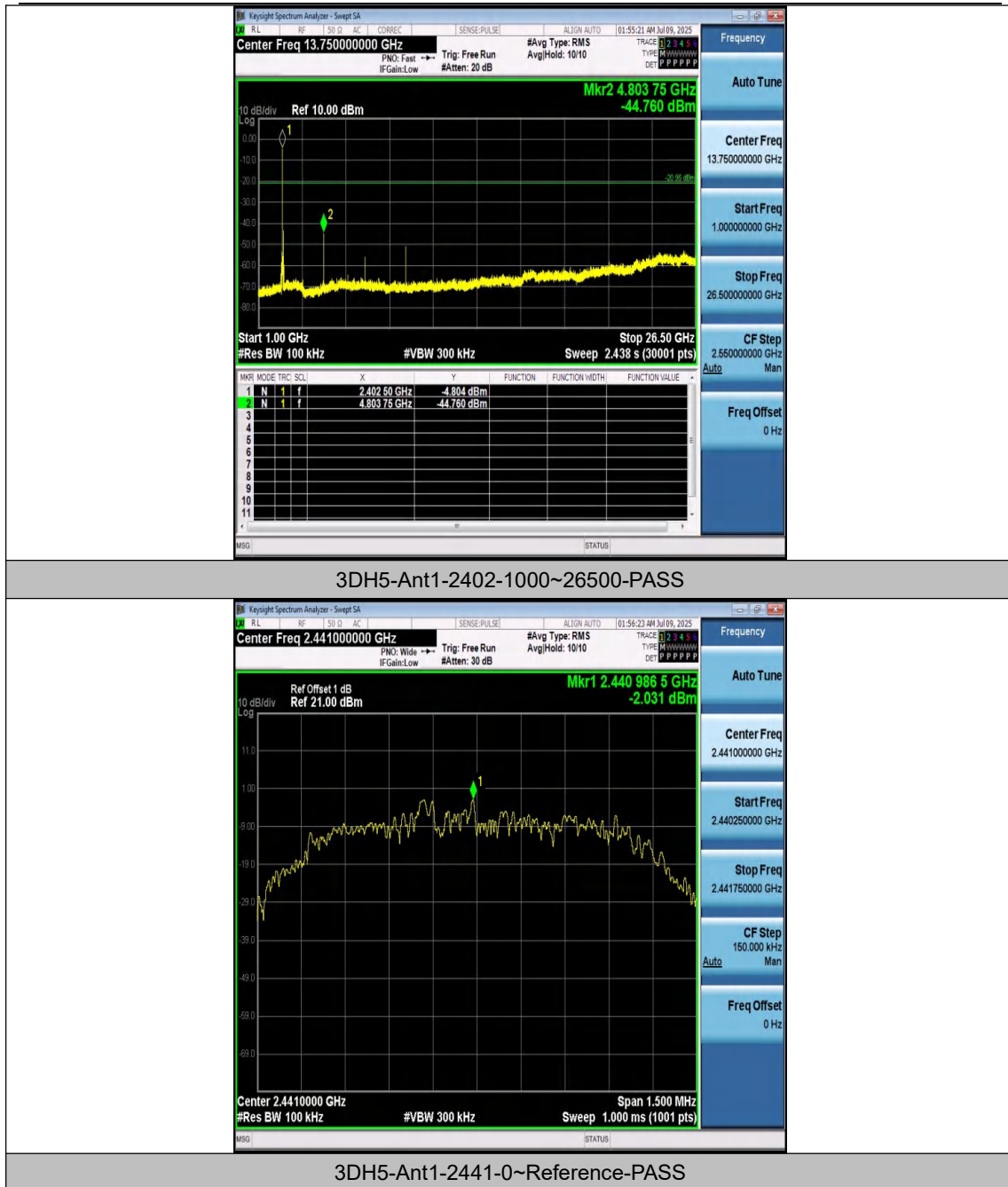


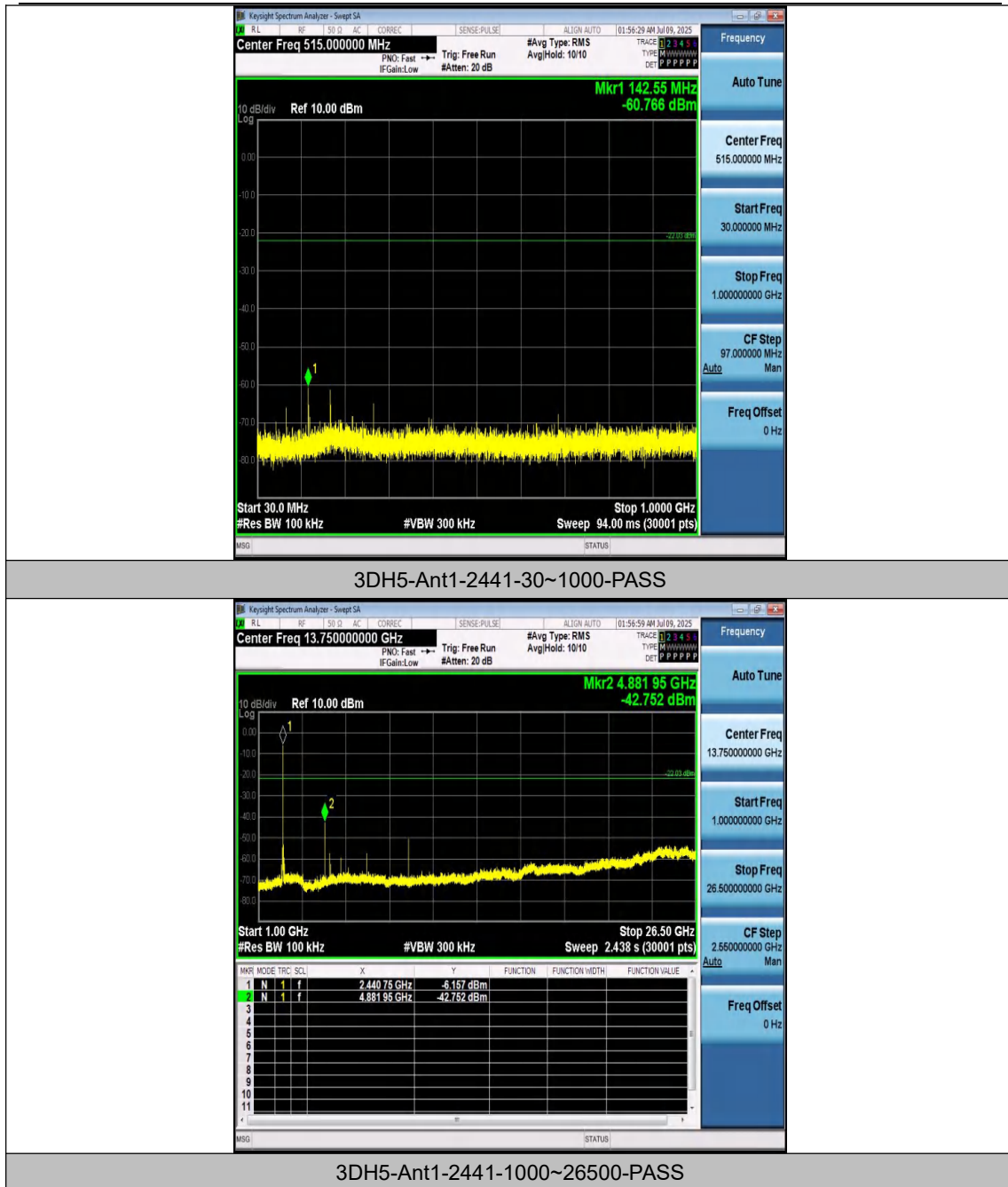


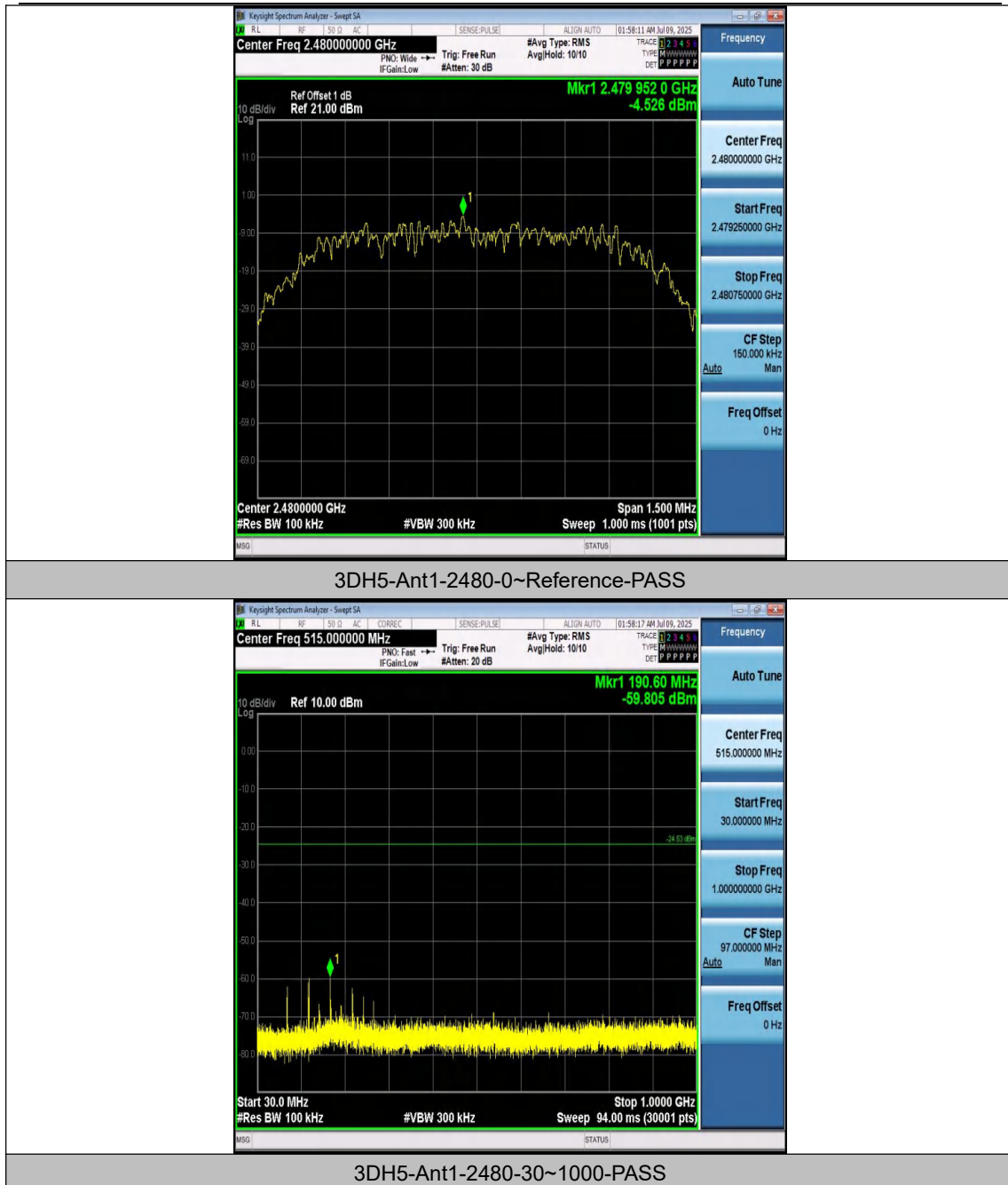
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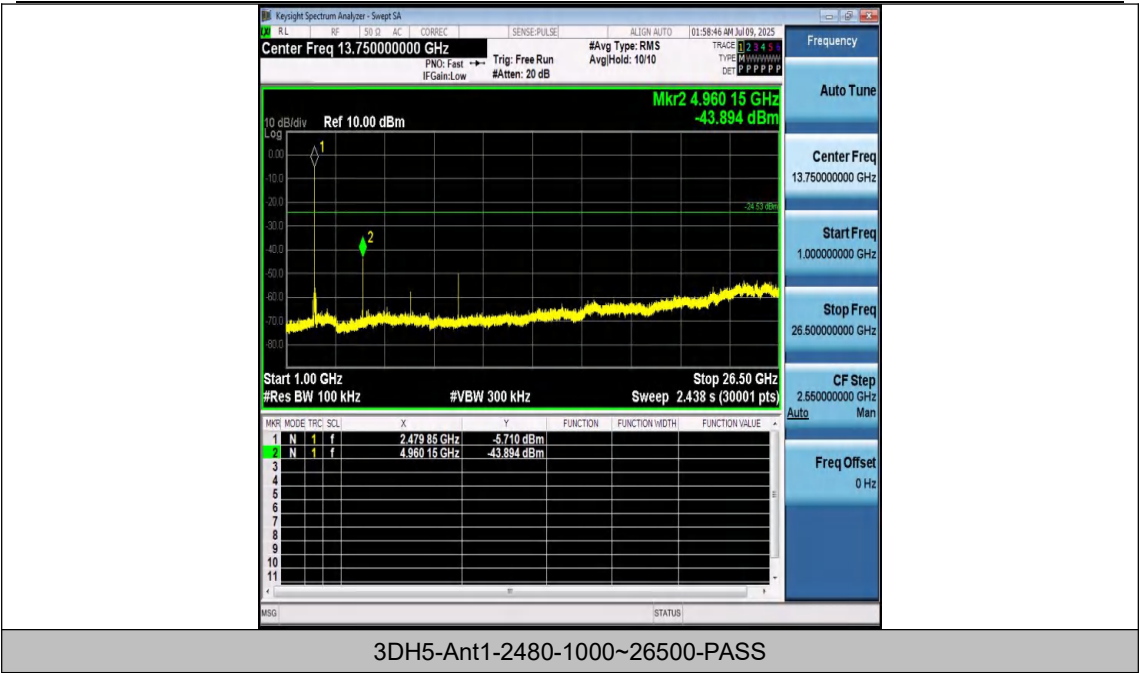
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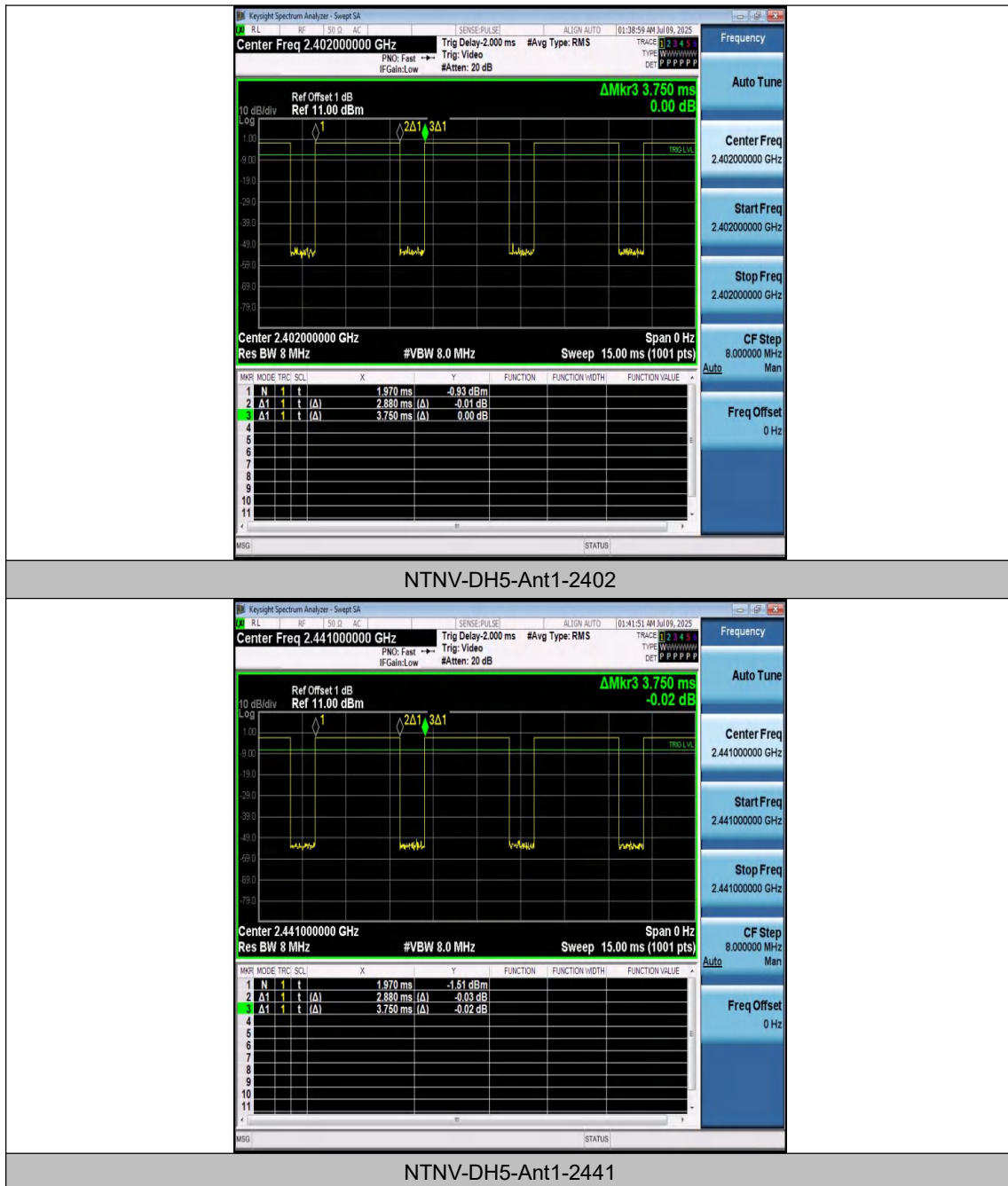
Appendix I: Duty Cycle

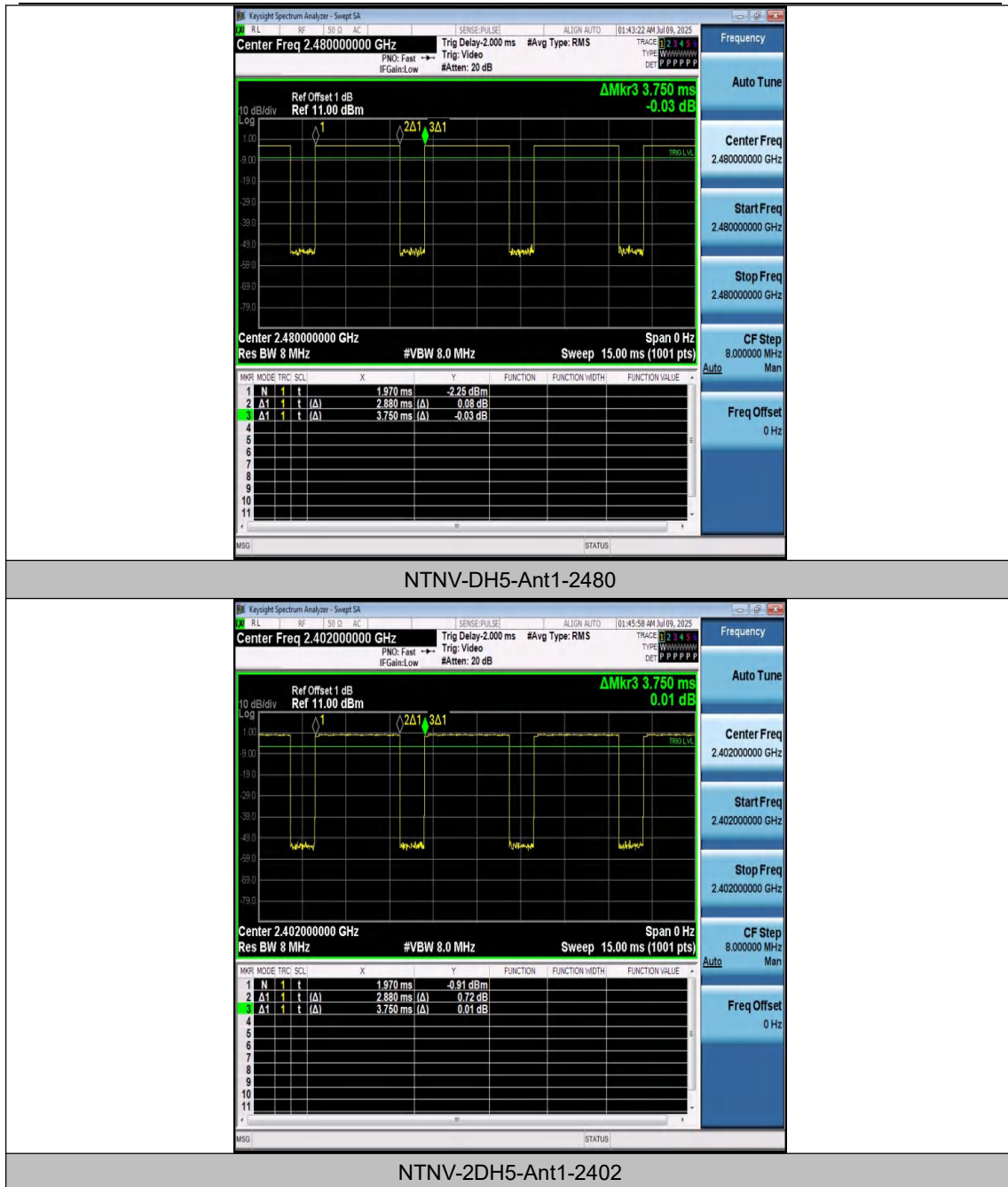
Test Result

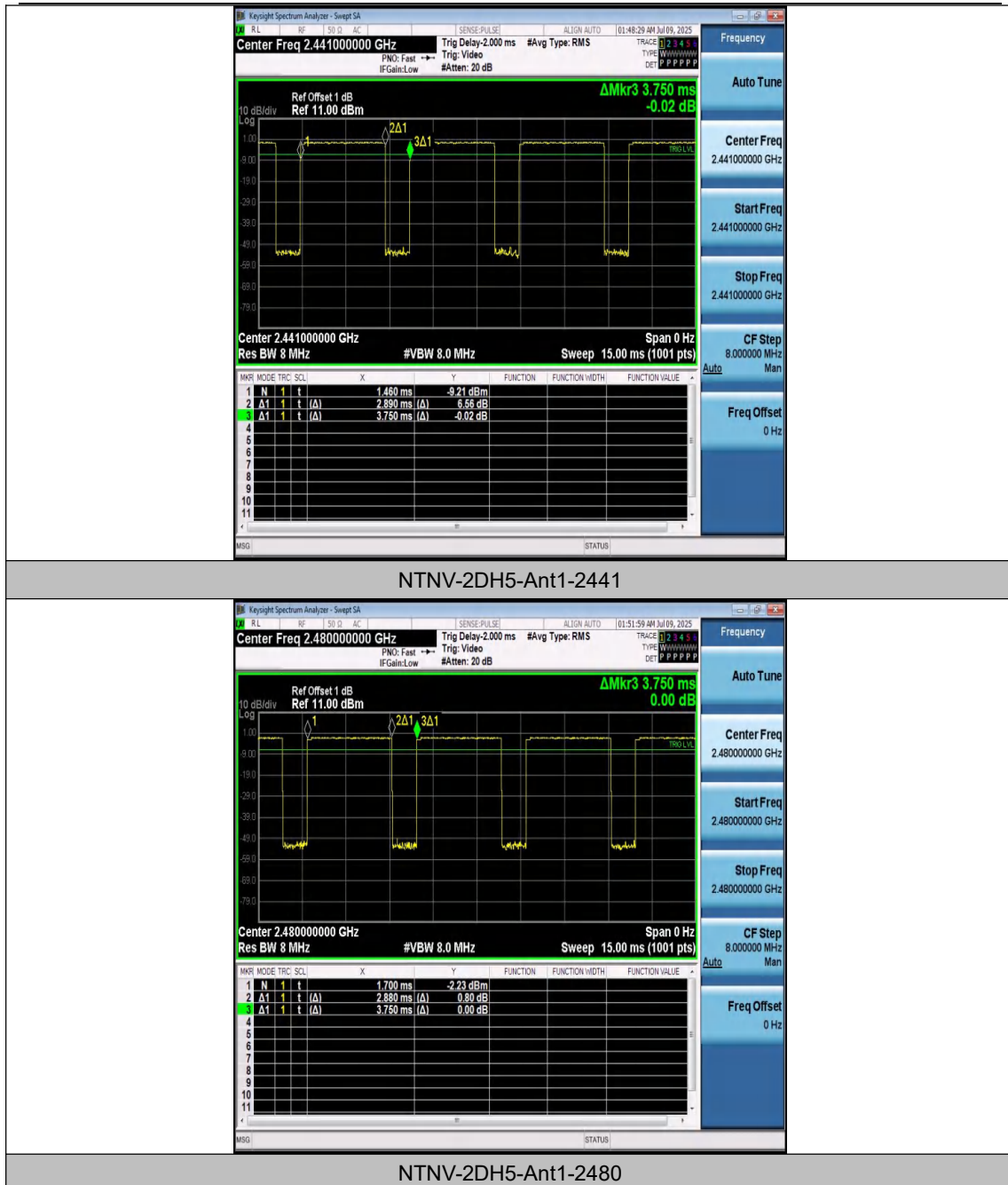
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.88	3.75	76.80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



Test Graphs





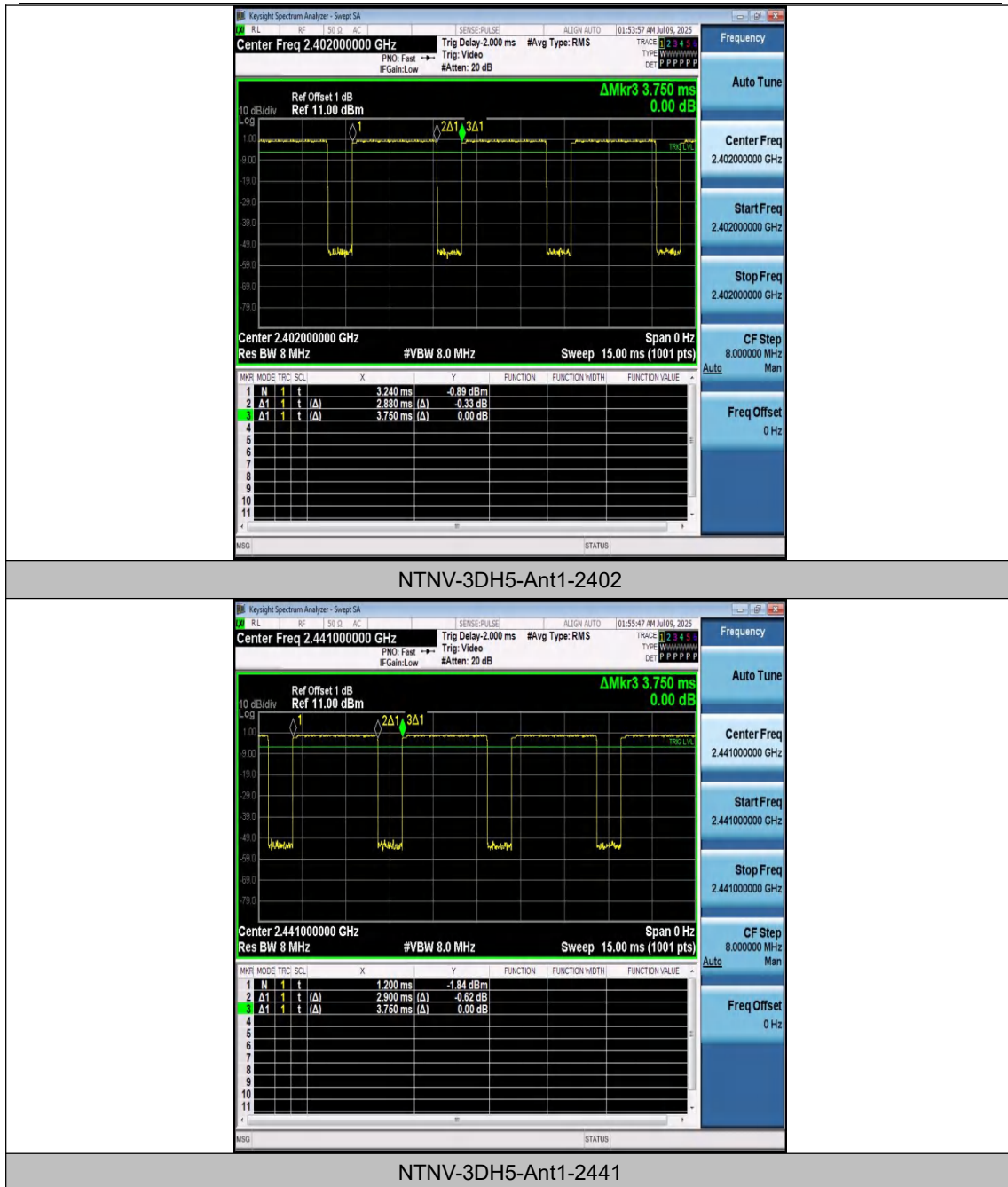


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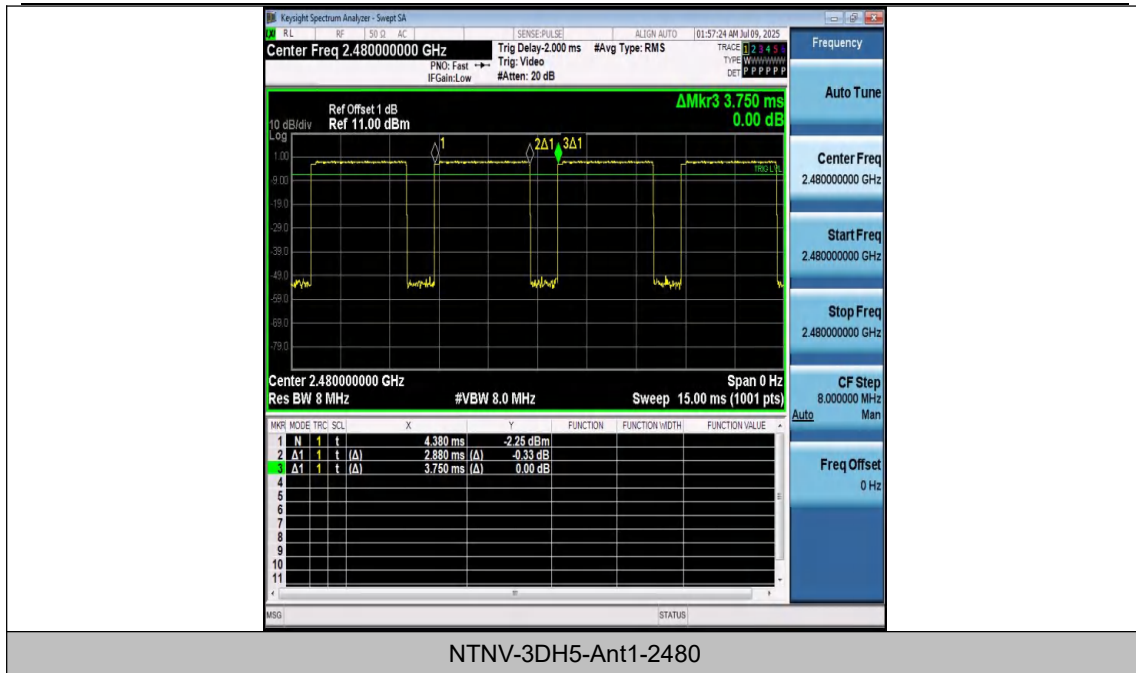


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NTNV-3DH5-Ant1-2480

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