

Appendix Test Data-ANT2

Report No.:	1812C60385412502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-10	Finish Test Date:	2026-7-15
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24°C	Relative Humidity:	68%
Pressure:	99.9kPa		

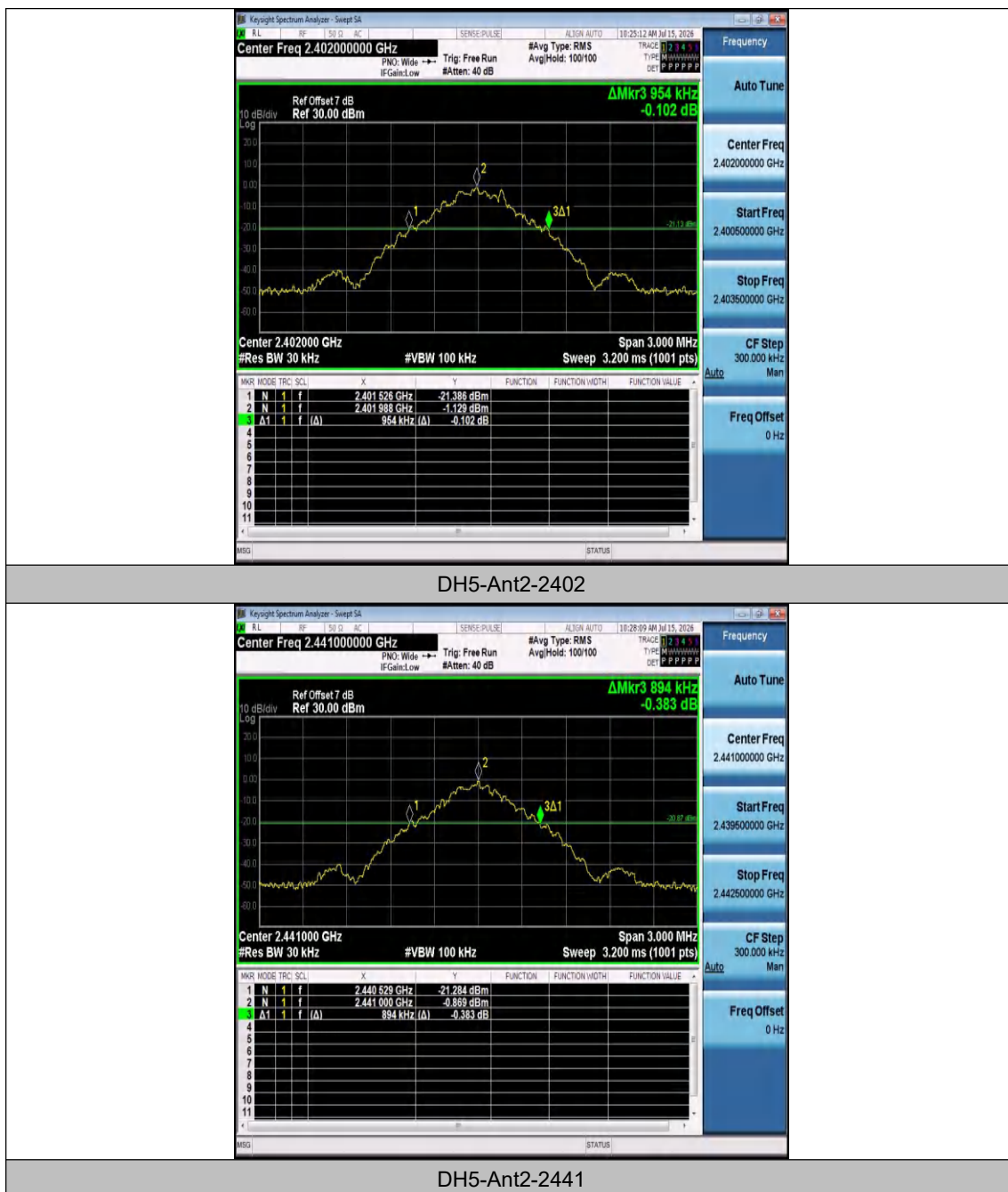


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant2	2402	0.954	2401.526	2402.480	---	---
DH5	Ant2	2441	0.894	2440.529	2441.423	---	---
DH5	Ant2	2480	0.954	2479.526	2480.480	---	---
2DH5	Ant2	2402	1.332	2401.319	2402.651	---	---
2DH5	Ant2	2441	1.308	2440.334	2441.642	---	---
2DH5	Ant2	2480	1.263	2479.367	2480.630	---	---
3DH5	Ant2	2402	1.269	2401.343	2402.612	---	---
3DH5	Ant2	2441	1.266	2440.352	2441.618	---	---
3DH5	Ant2	2480	1.203	2479.397	2480.600	---	---

Test Graphs



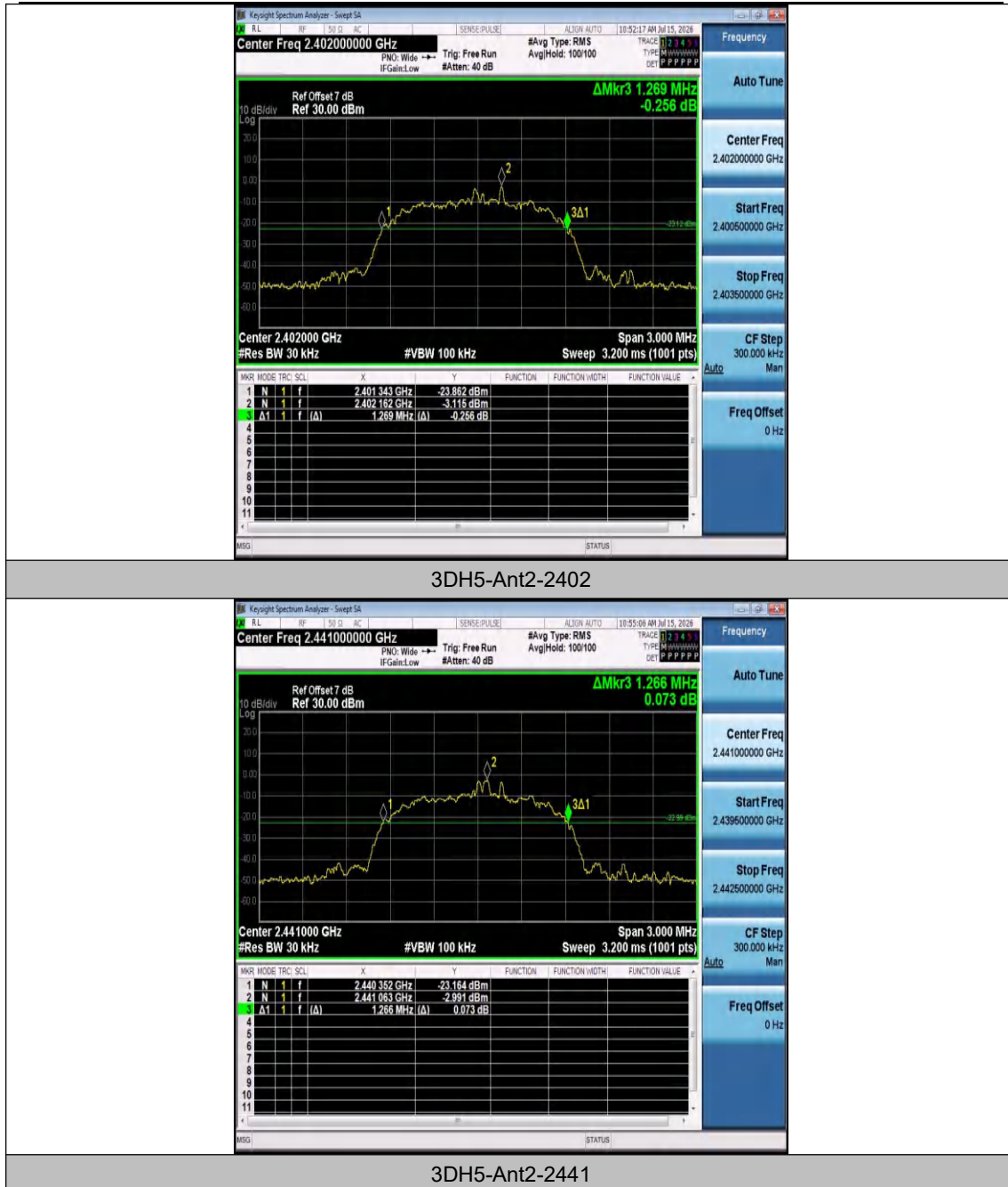
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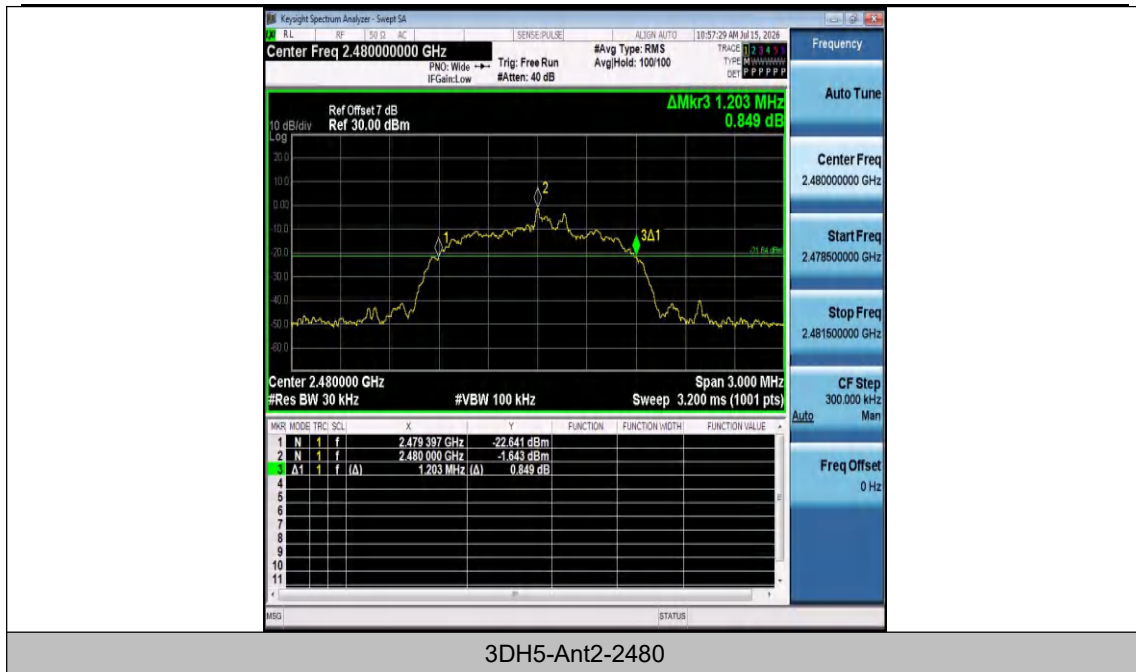
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3DH5-Ant2-2480

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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	Ant2	2402	0.87389	2401.5532	2402.4271	---	---
DH5	Ant2	2441	0.86325	2440.5588	2441.4220	---	---
DH5	Ant2	2480	0.85662	2479.5617	2480.4183	---	---
2DH5	Ant2	2402	1.1445	2401.4154	2402.5599	---	---
2DH5	Ant2	2441	1.1491	2440.4129	2441.5620	---	---
2DH5	Ant2	2480	1.1676	2479.4039	2480.5715	---	---
3DH5	Ant2	2402	1.1534	2401.4129	2402.5663	---	---
3DH5	Ant2	2441	1.1547	2440.4146	2441.5693	---	---
3DH5	Ant2	2480	1.1573	2479.4111	2480.5684	---	---

Test Graphs



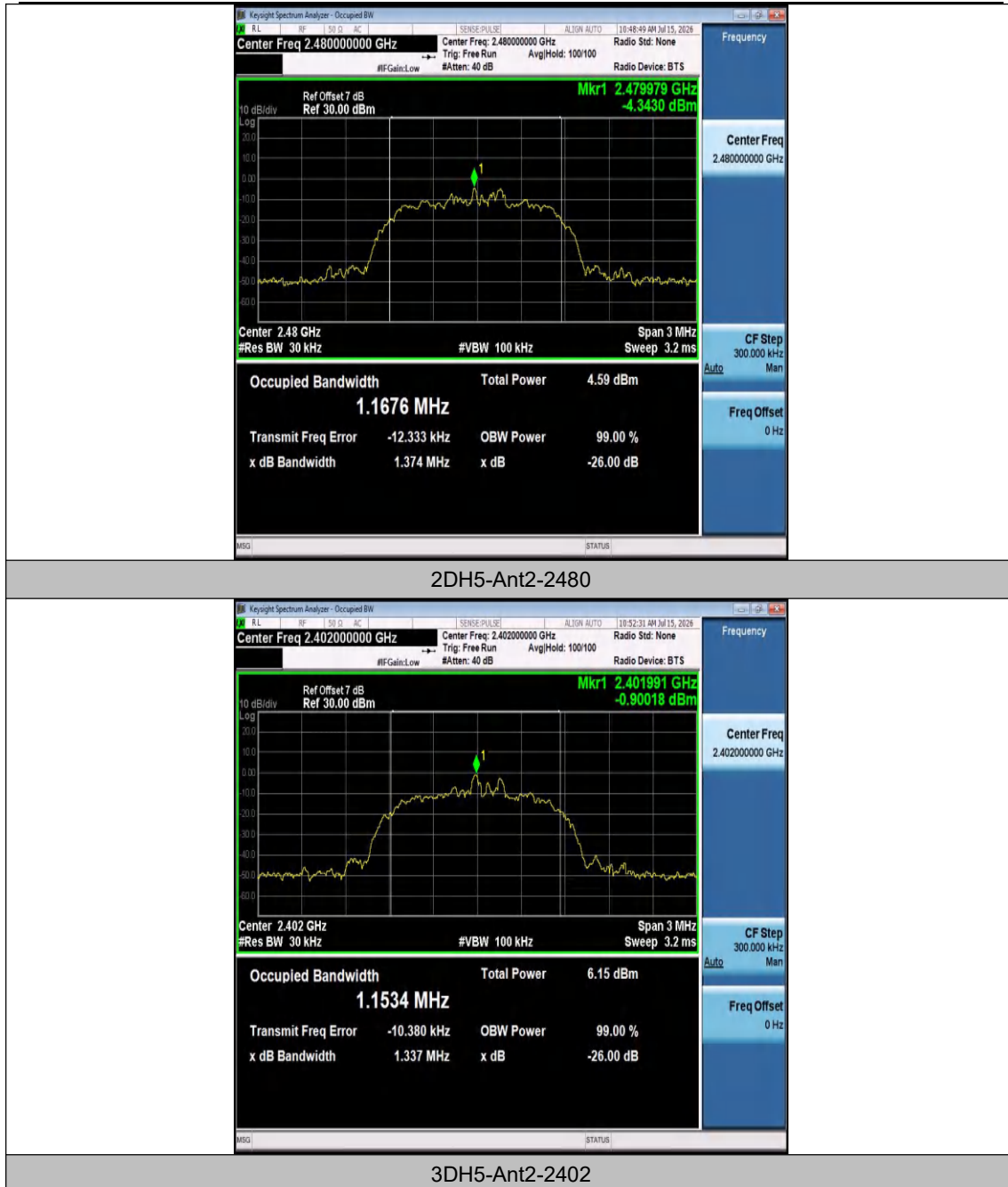


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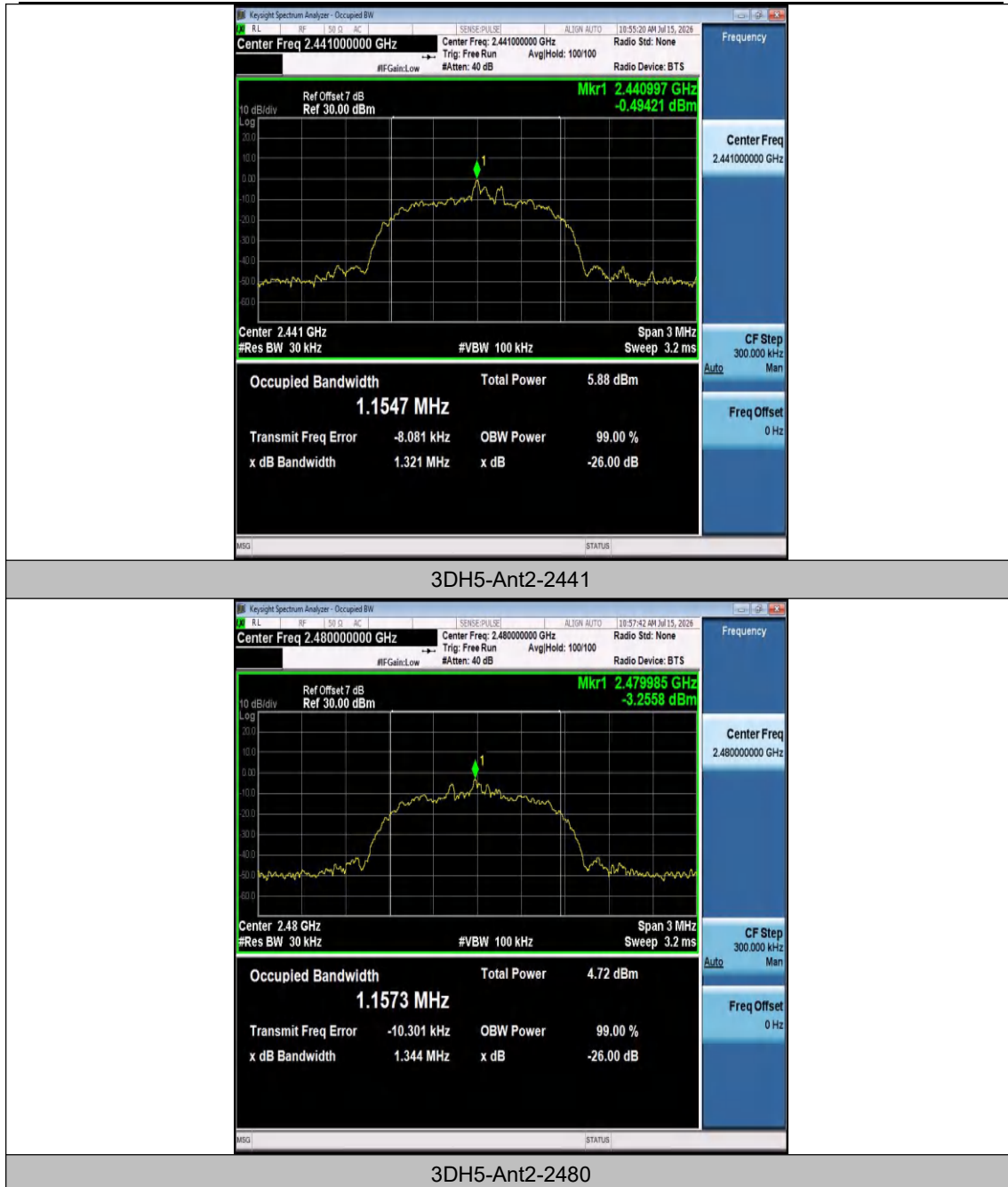




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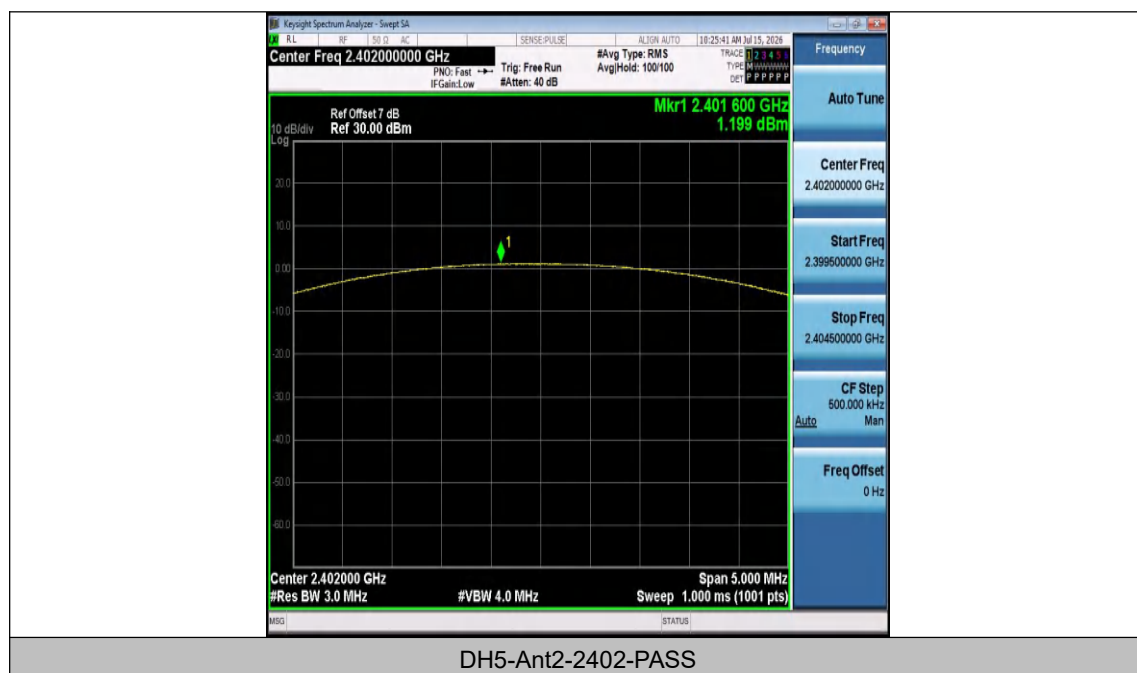
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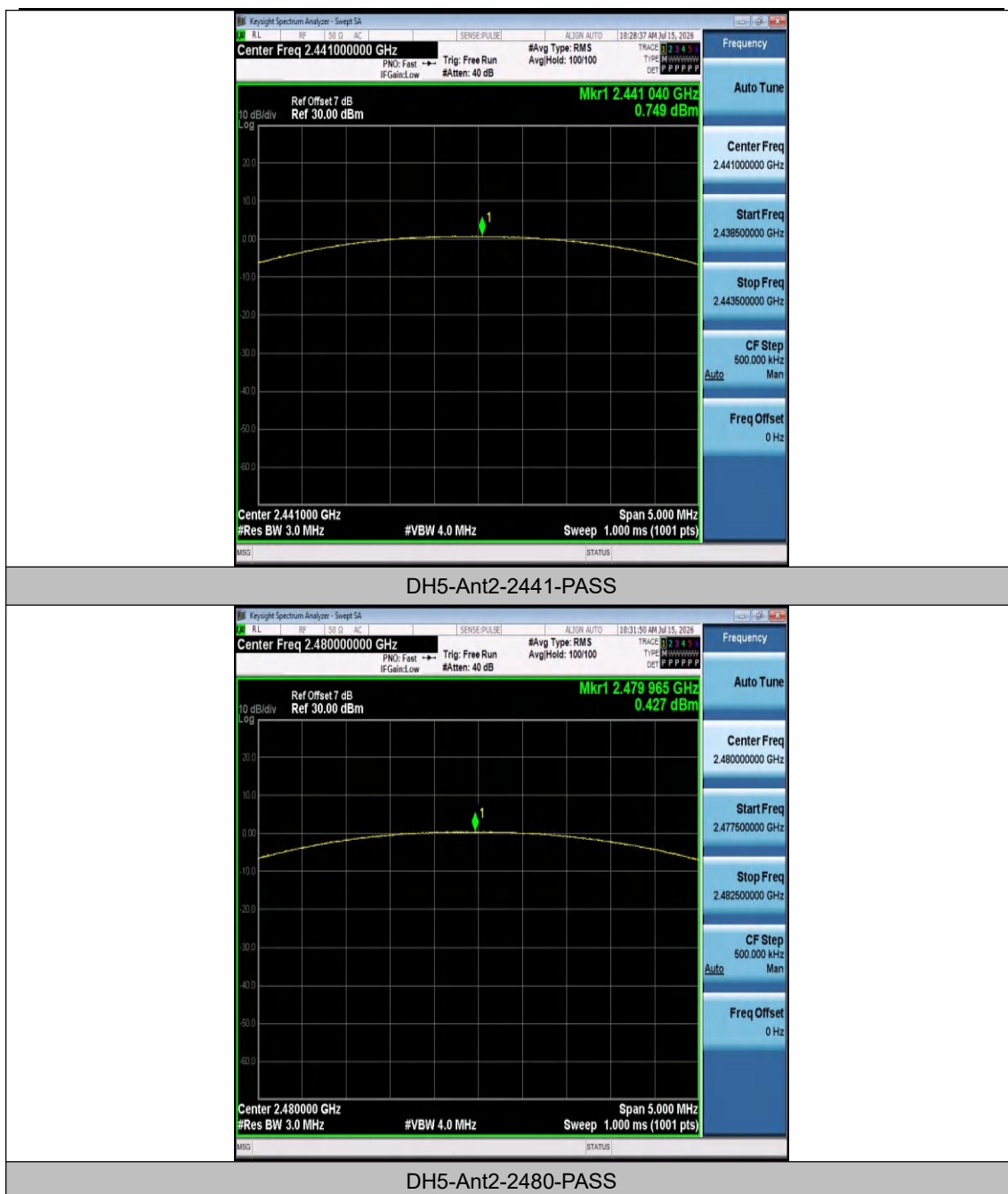
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant2	2402	1.20	≤30	PASS
DH5	Ant2	2441	0.75	≤30	PASS
DH5	Ant2	2480	0.43	≤30	PASS
2DH5	Ant2	2402	1.15	≤20.97	PASS
2DH5	Ant2	2441	0.65	≤20.97	PASS
2DH5	Ant2	2480	0.36	≤20.97	PASS
3DH5	Ant2	2402	1.18	≤20.97	PASS
3DH5	Ant2	2441	0.67	≤20.97	PASS
3DH5	Ant2	2480	0.32	≤20.97	PASS

Test Graphs

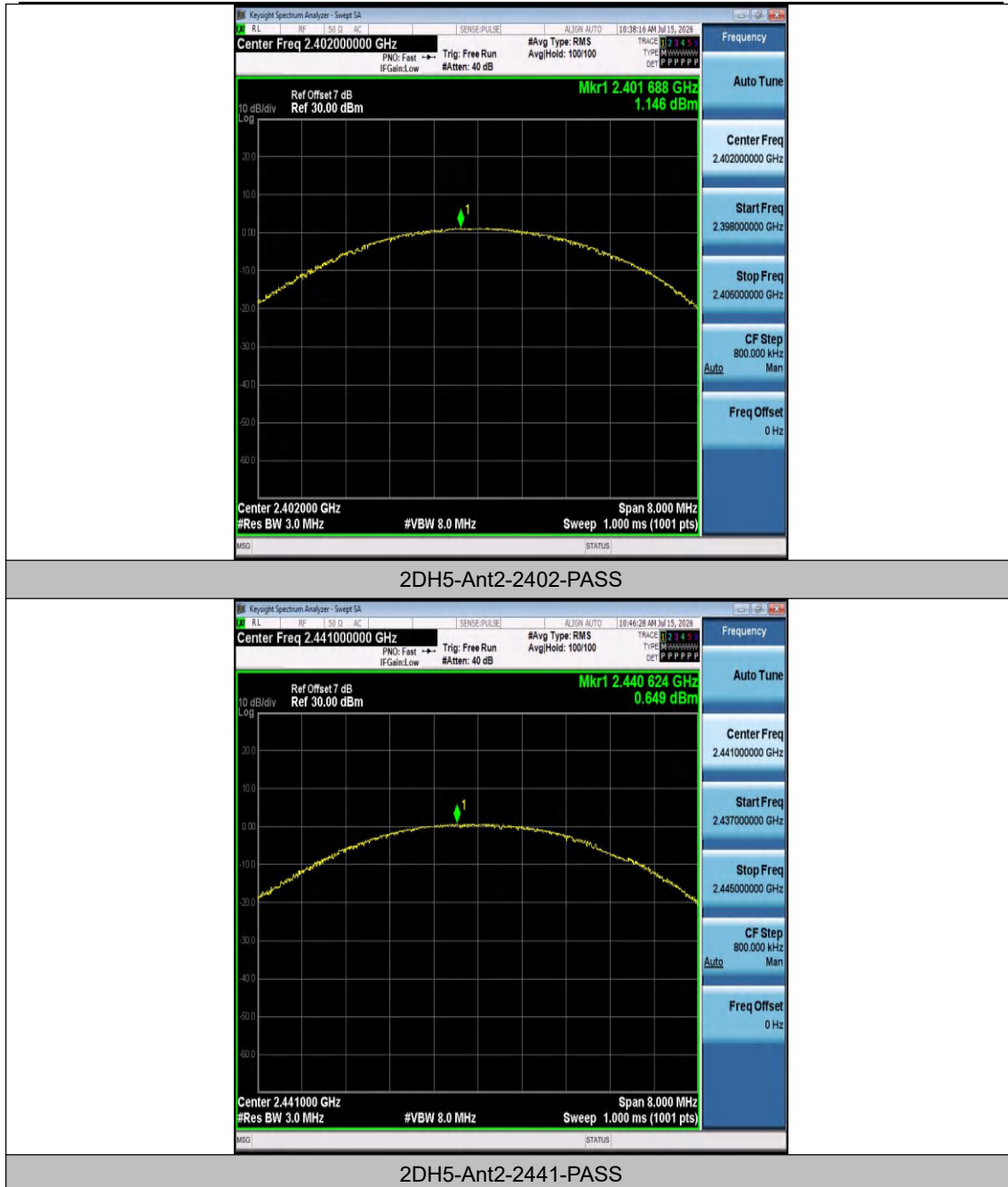




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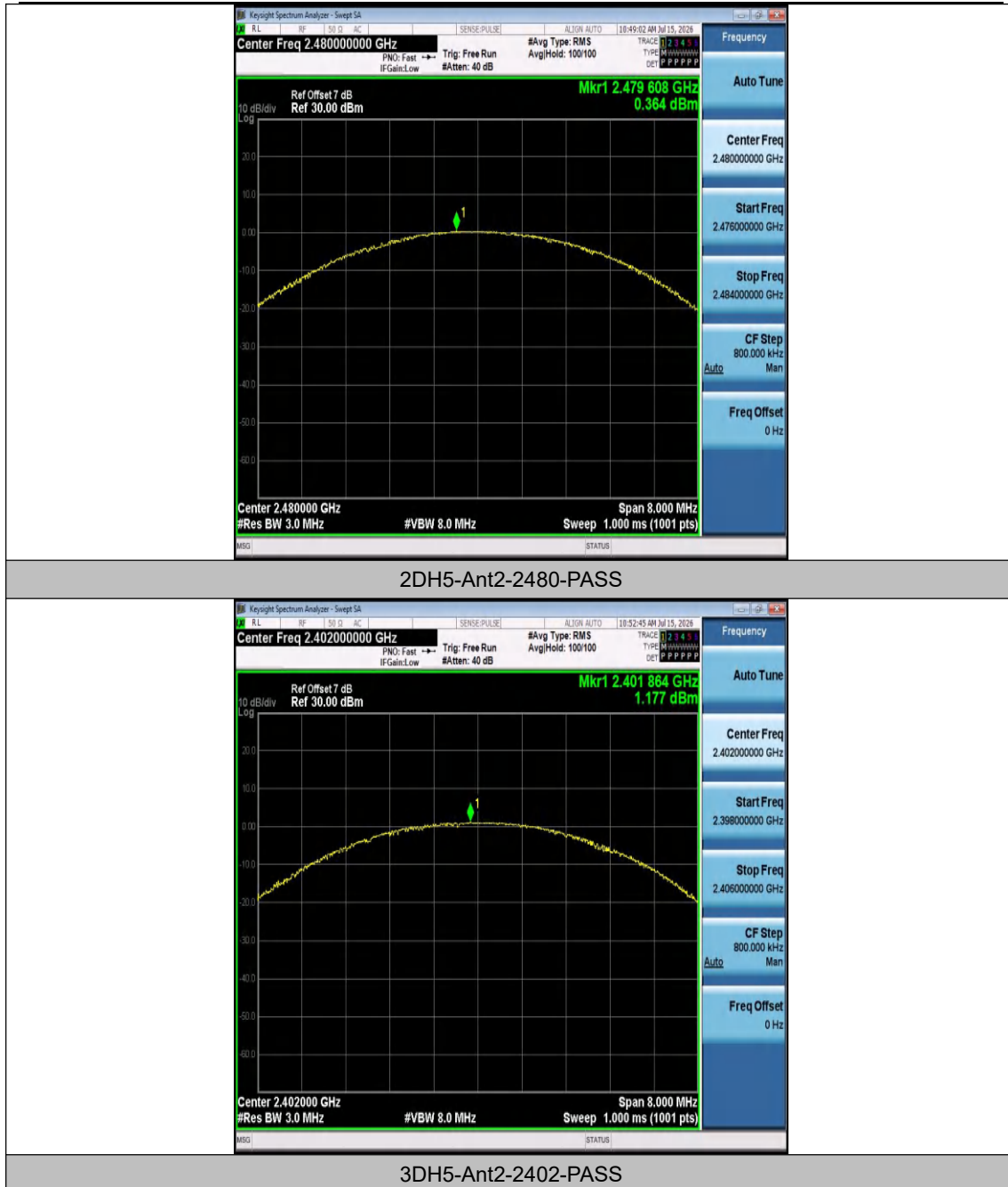
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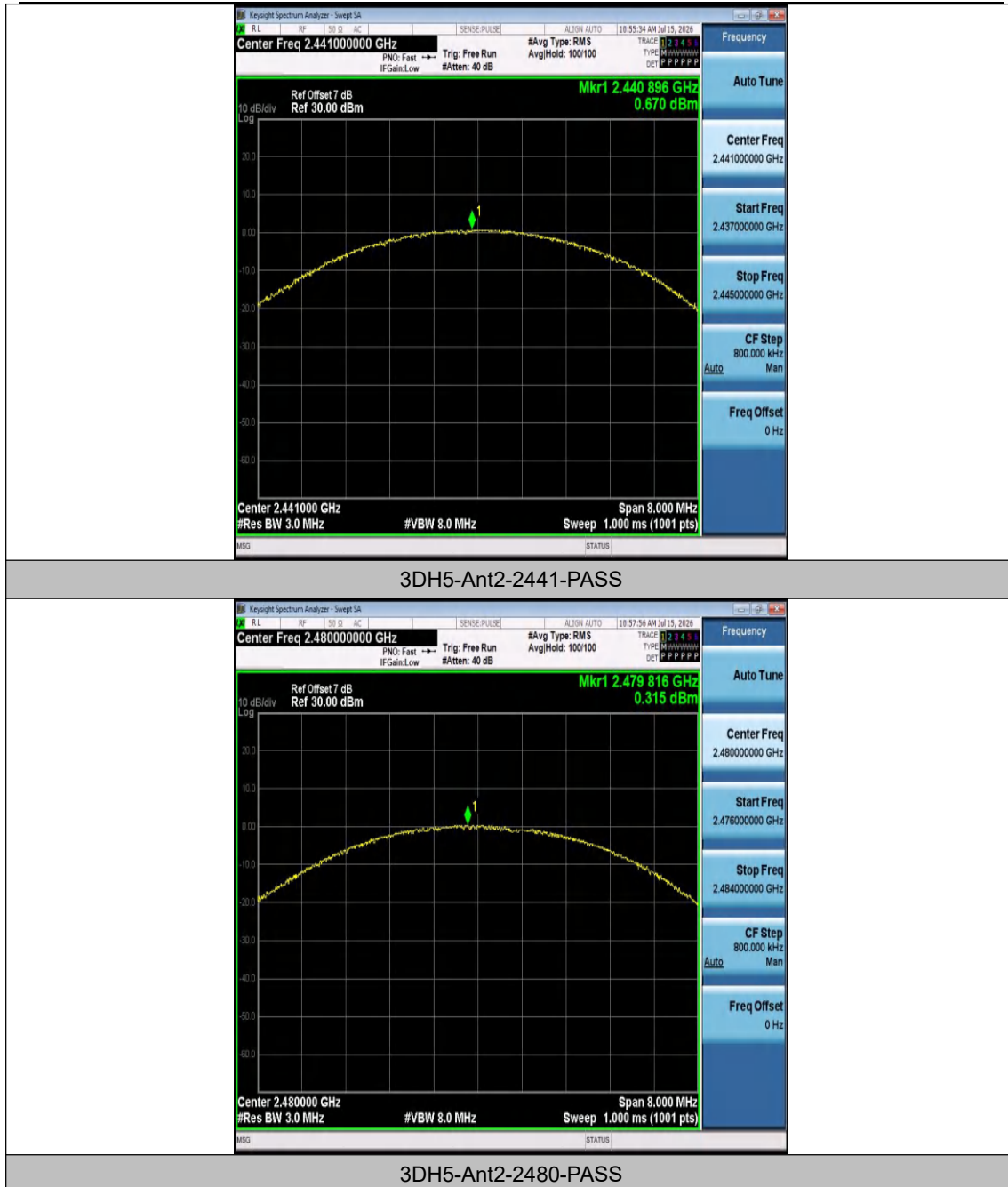
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant2	Hop	1.022	≥ 0.954	PASS
2DH5	Ant2	Hop	1.152	≥ 0.888	PASS
3DH5	Ant2	Hop	0.996	≥ 0.846	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



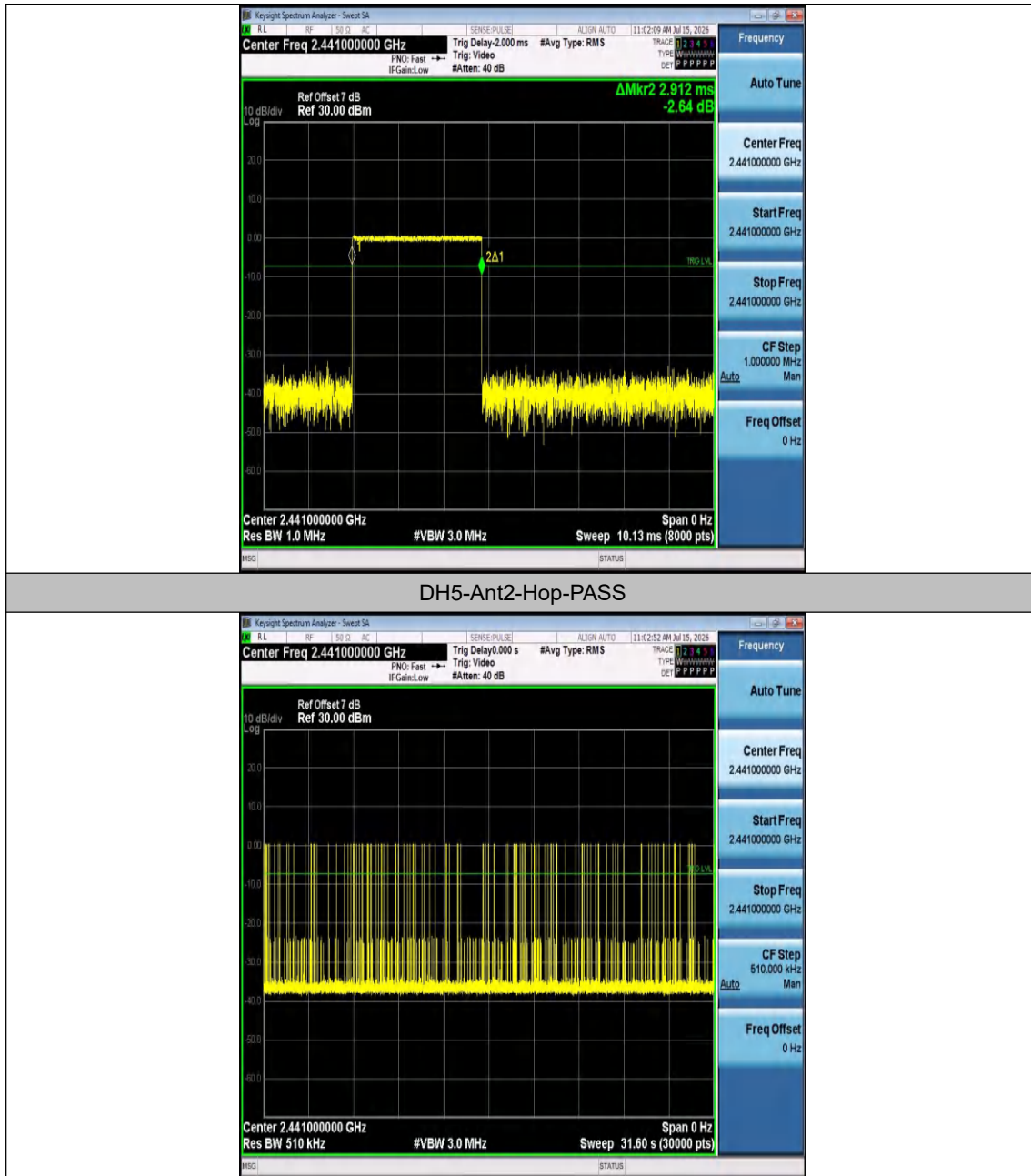


Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant2	Hop	2.912	111	0.323	≤0.4	PASS
2DH5	Ant2	Hop	2.917	99	0.289	≤0.4	PASS
3DH5	Ant2	Hop	2.920	104	0.304	≤0.4	PASS

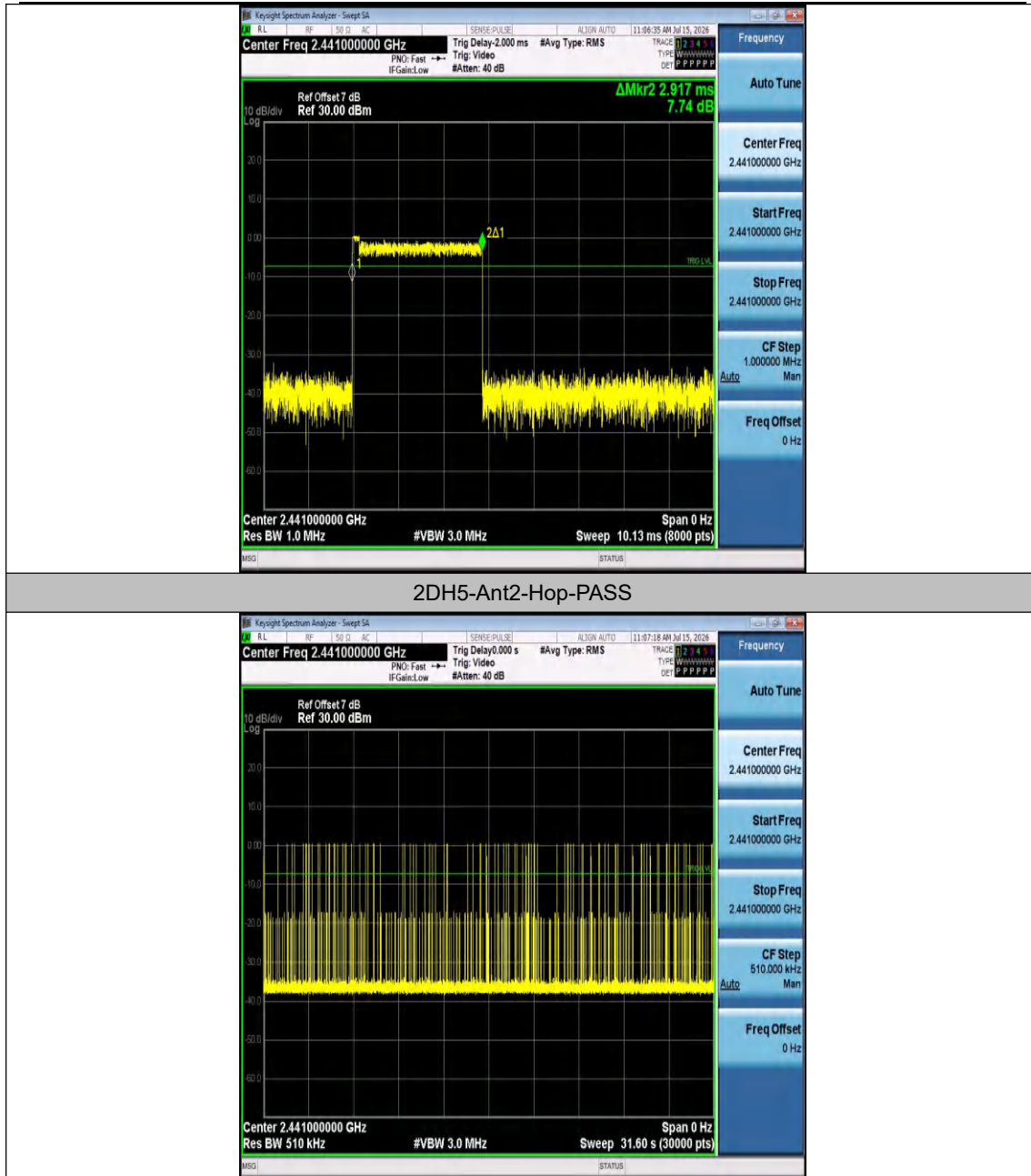
Test Graphs



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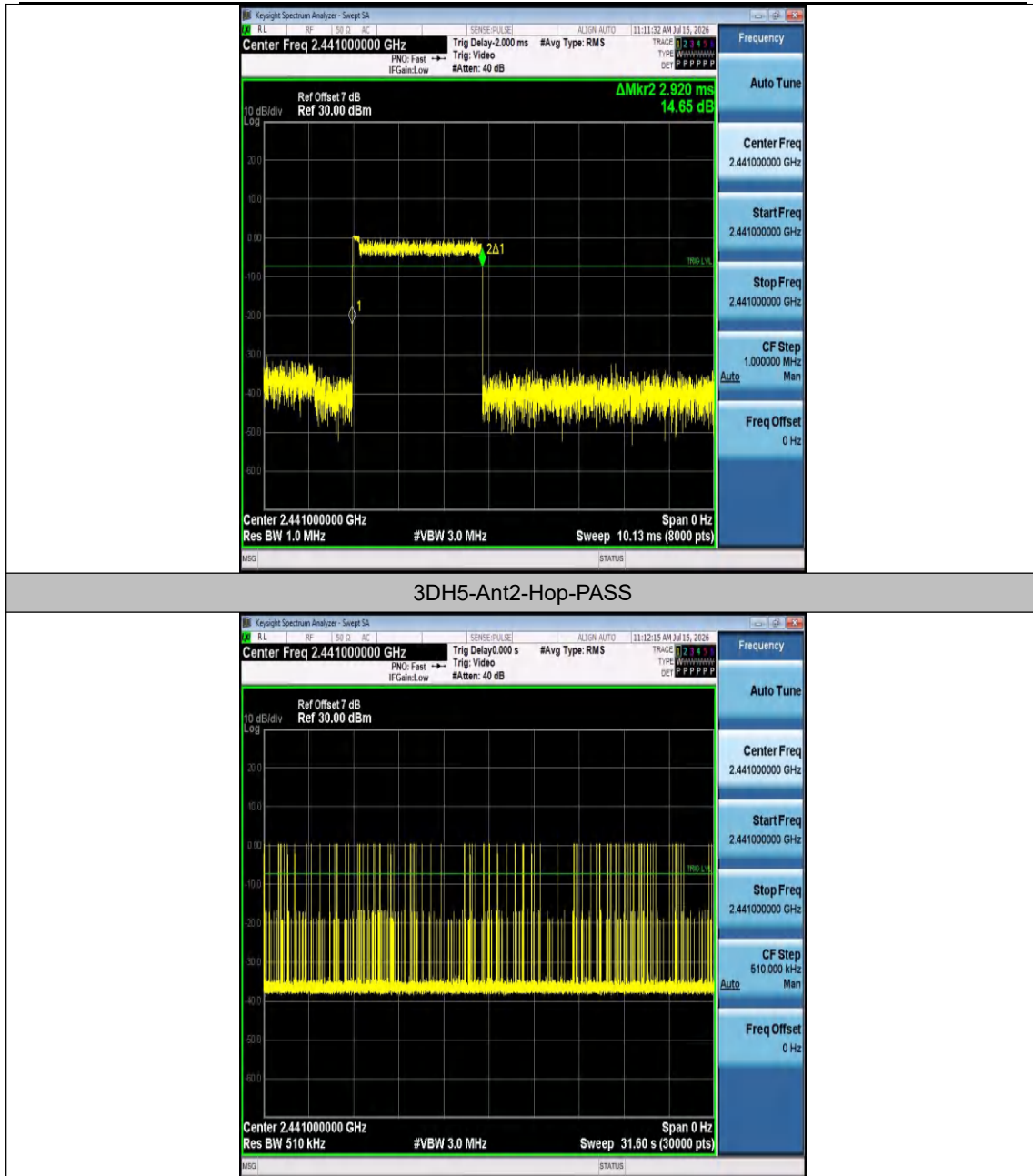
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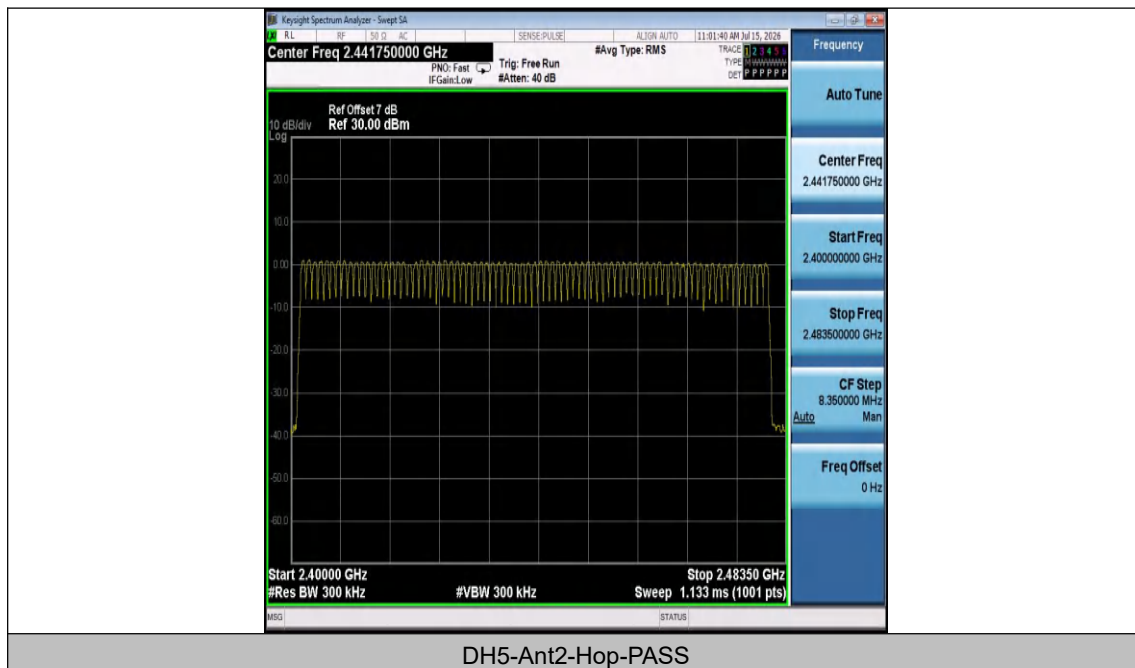
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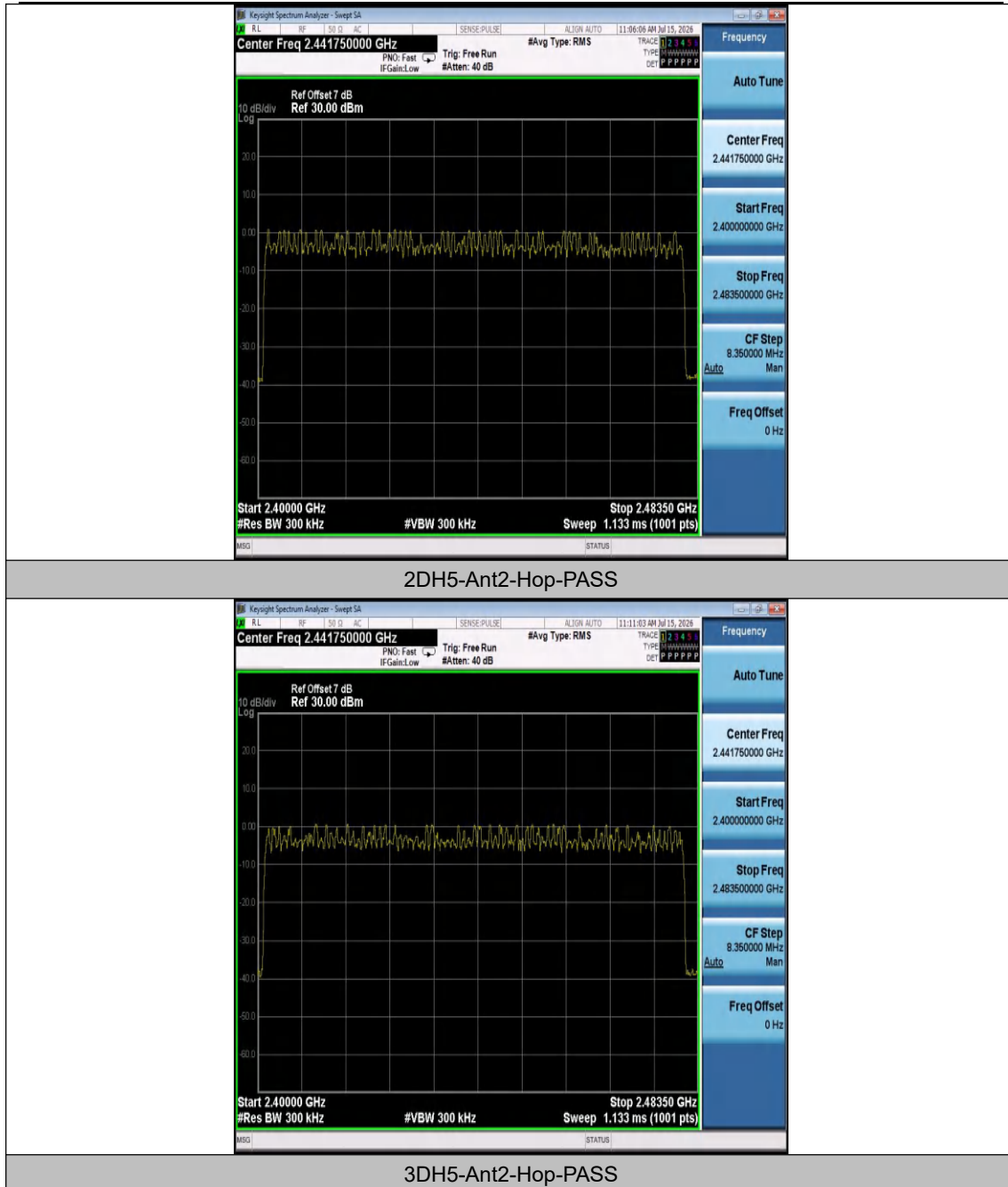
Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant2	Hop	79	≥15	PASS
2DH5	Ant2	Hop	79	≥15	PASS
3DH5	Ant2	Hop	79	≥15	PASS

Test Graphs





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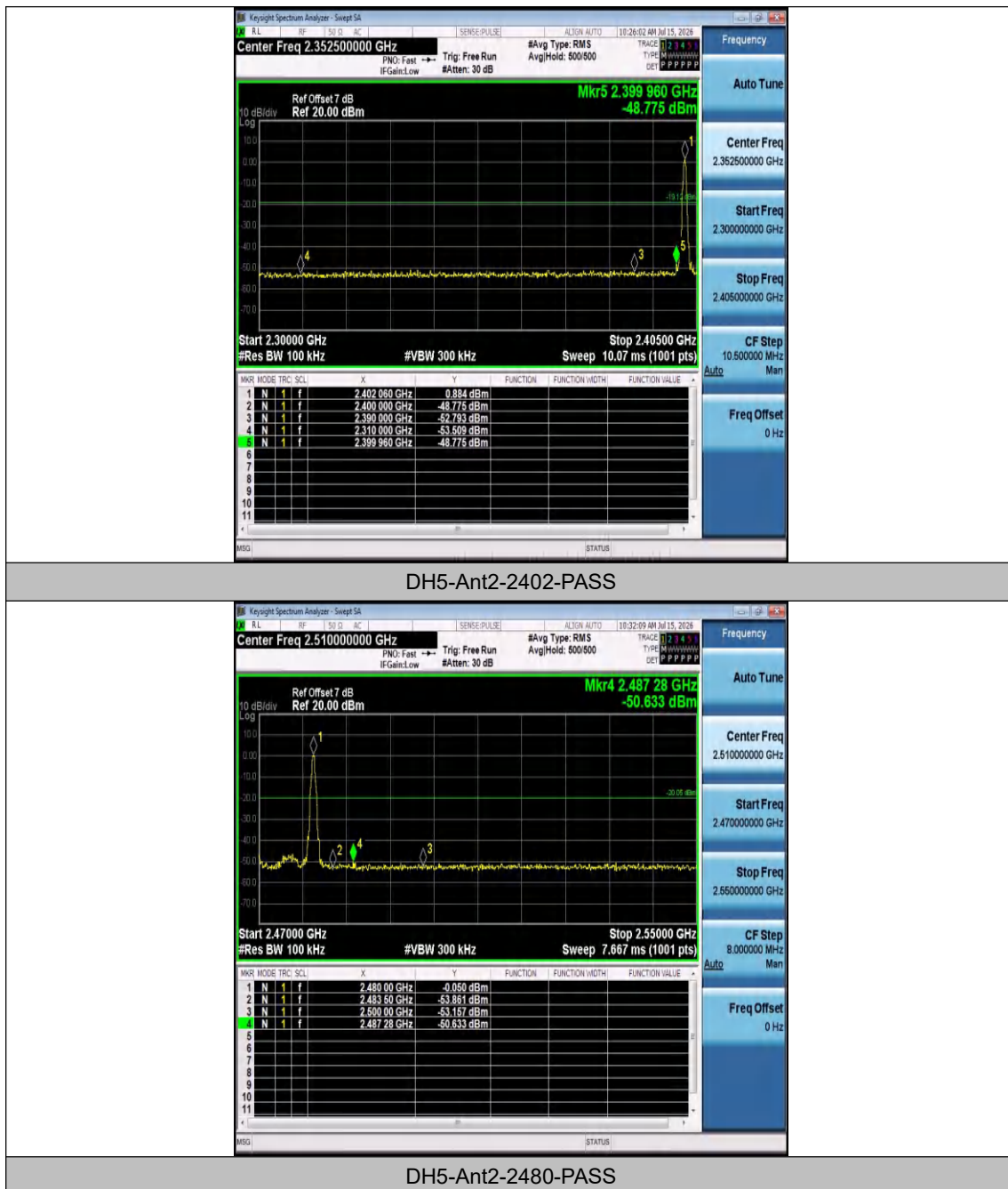
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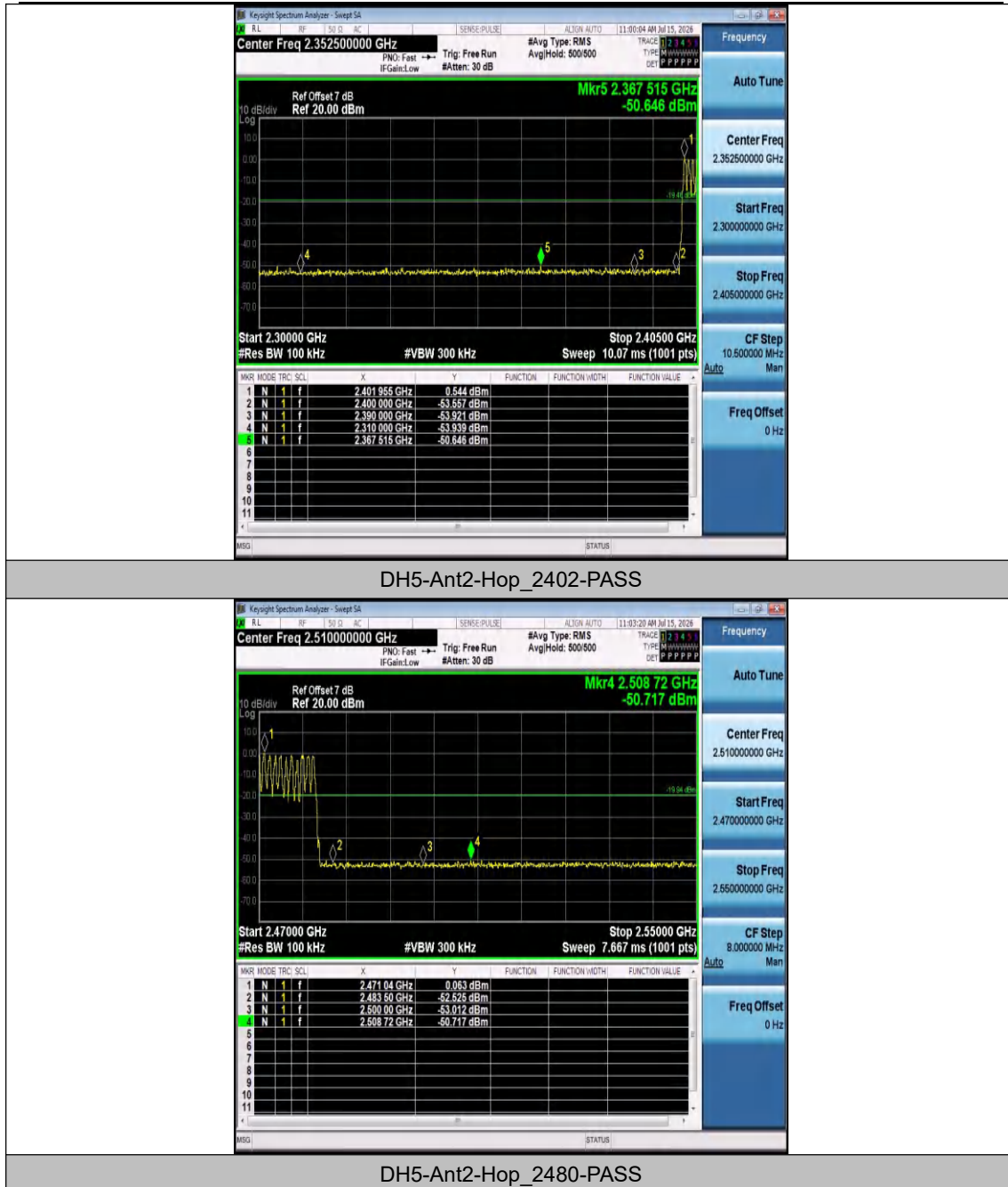
Appendix G: Conducted Band edge

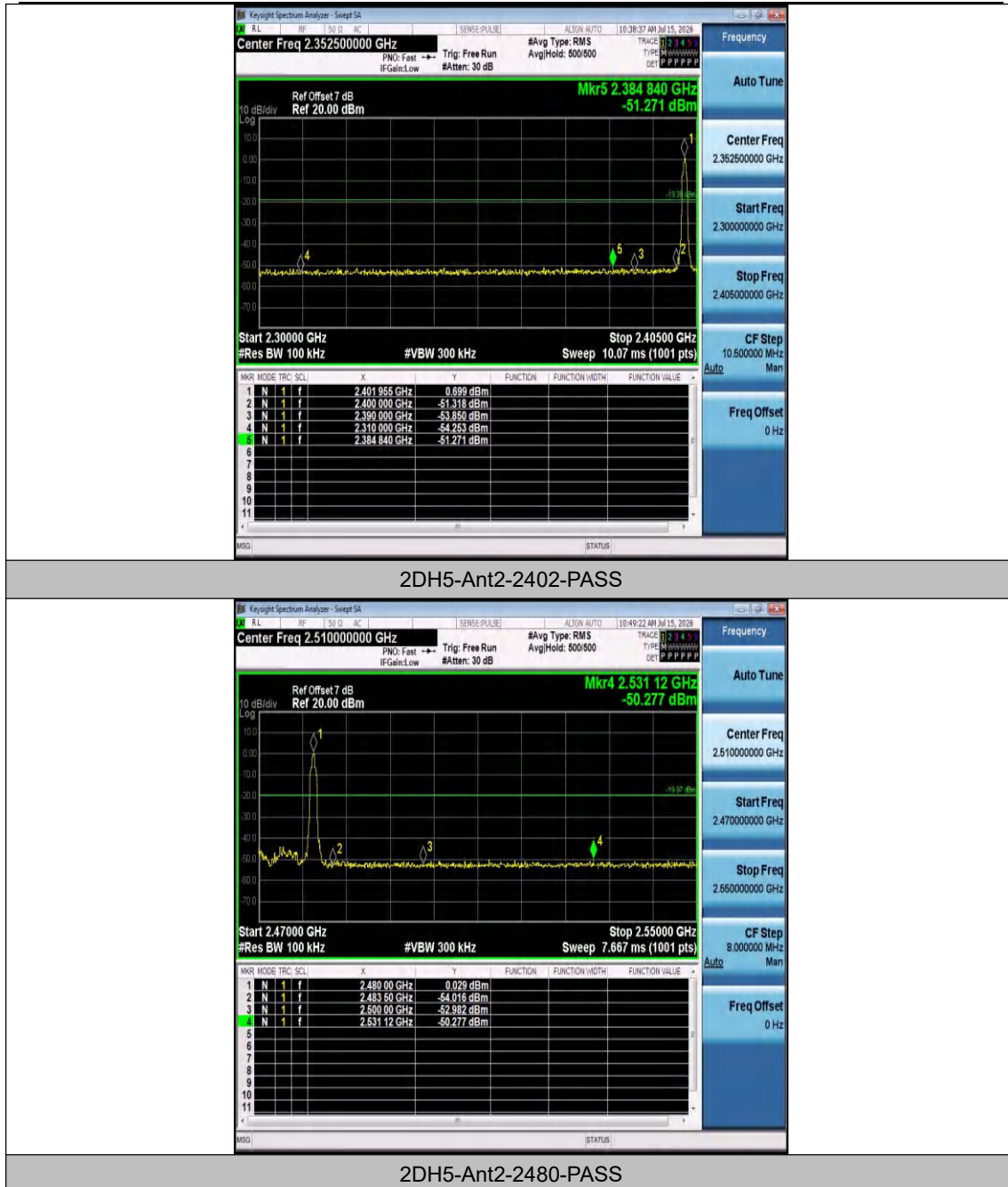
Test Result

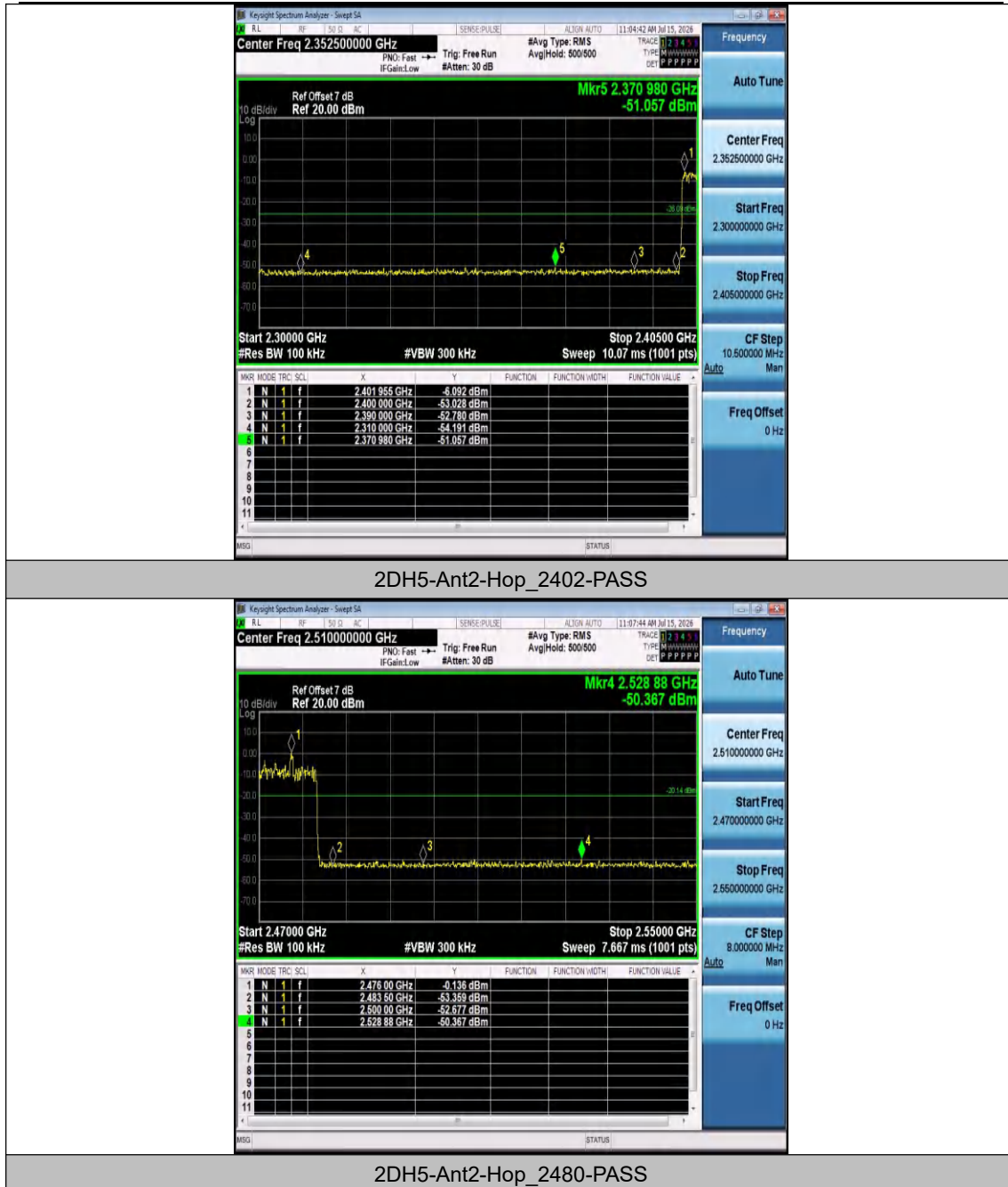
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	Low	2402	0.88	-48.78	≤-19.12	PASS
DH5	Ant2	High	2480	-0.05	-50.63	≤-20.05	PASS
DH5	Ant2	Low	Hop_2402	0.54	-50.65	≤-19.46	PASS
DH5	Ant2	High	Hop_2480	0.06	-50.72	≤-19.94	PASS
2DH5	Ant2	Low	2402	0.70	-51.27	≤-19.3	PASS
2DH5	Ant2	High	2480	0.03	-50.28	≤-19.97	PASS
2DH5	Ant2	Low	Hop_2402	-6.09	-51.06	≤-26.09	PASS
2DH5	Ant2	High	Hop_2480	-0.14	-50.37	≤-20.14	PASS
3DH5	Ant2	Low	2402	0.71	-49.8	≤-19.29	PASS
3DH5	Ant2	High	2480	0.11	-50.38	≤-19.89	PASS
3DH5	Ant2	Low	Hop_2402	-0.70	-50.53	≤-20.7	PASS
3DH5	Ant2	High	Hop_2480	-2.51	-50.5	≤-22.51	PASS

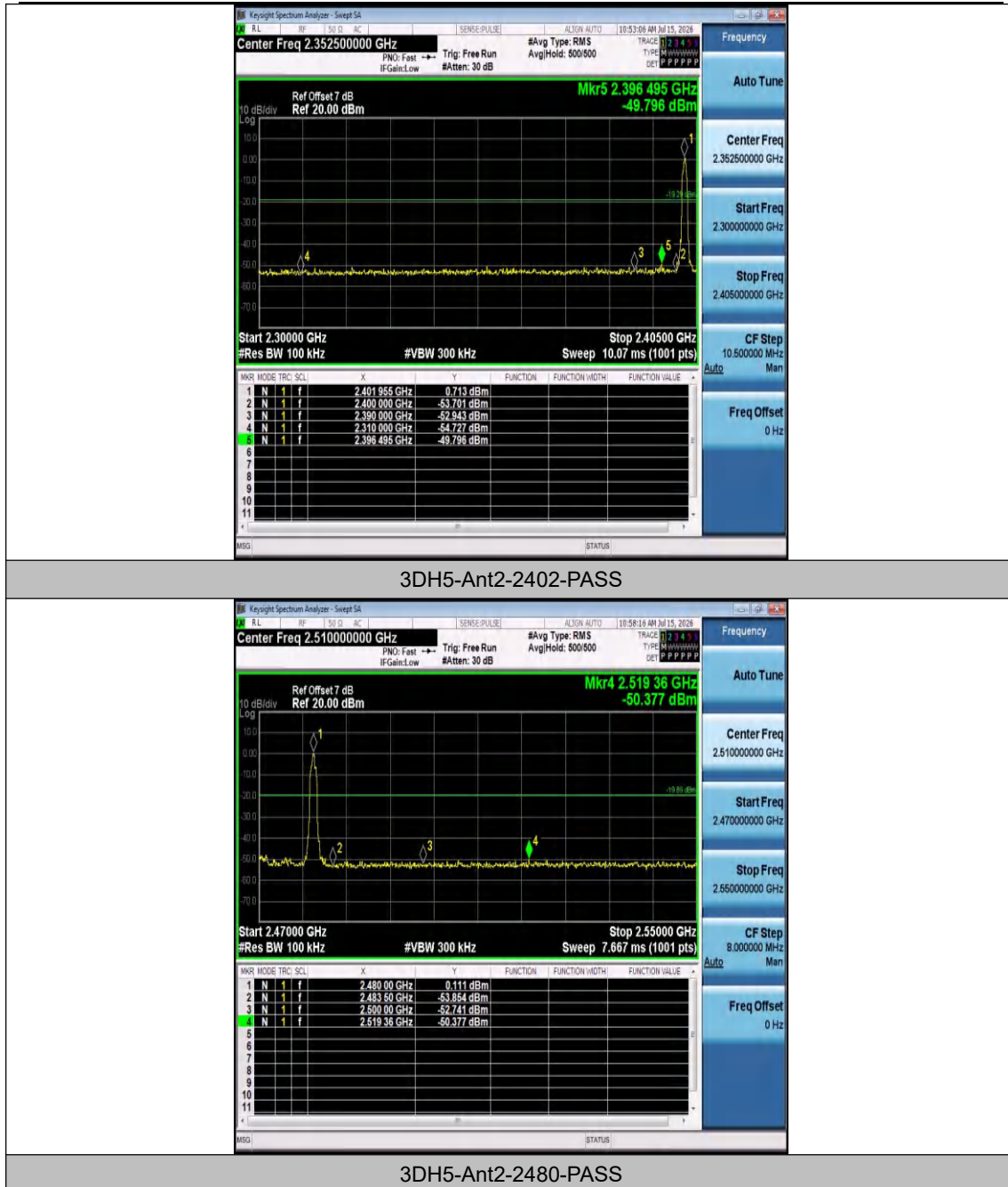
Test Graphs

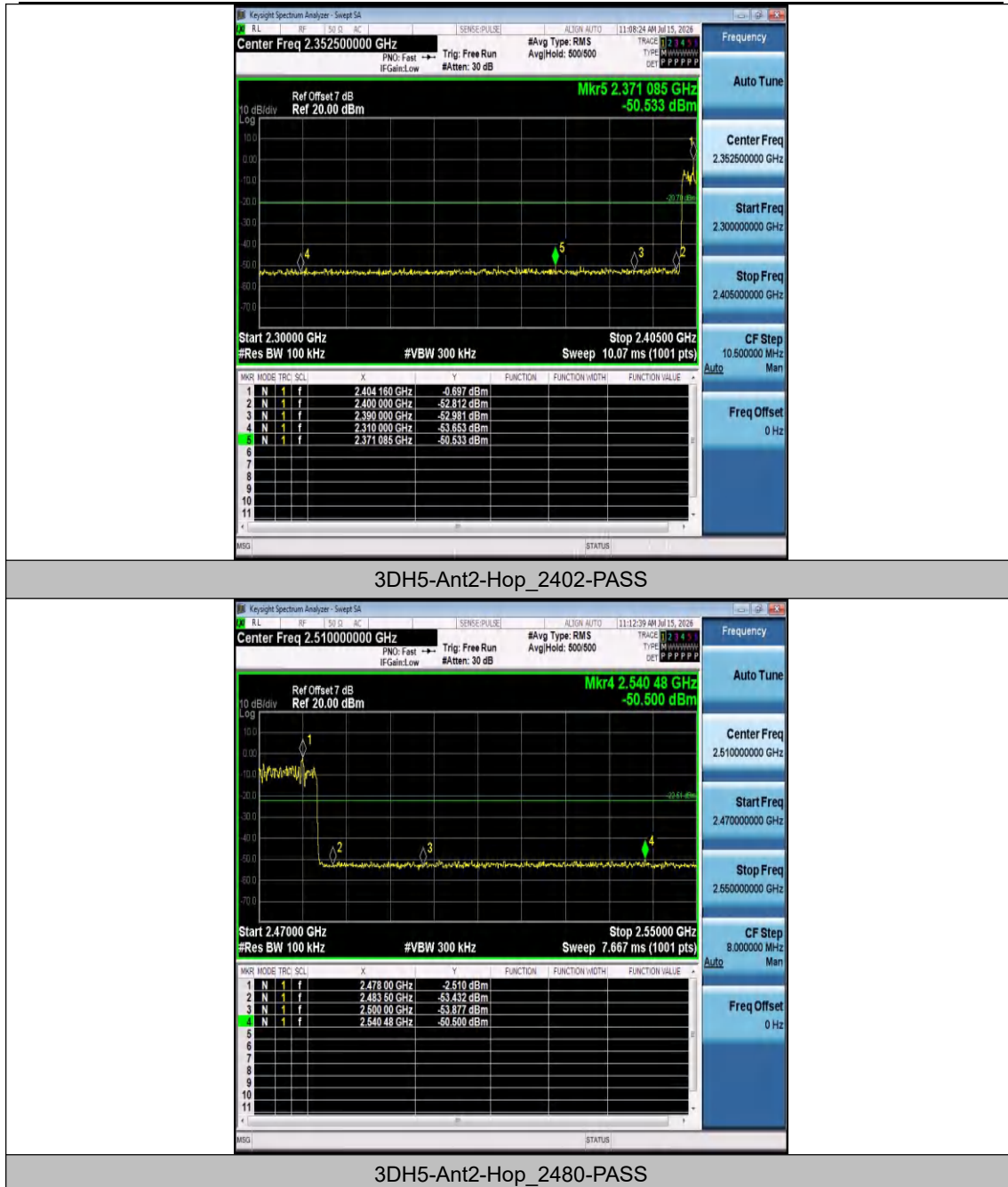












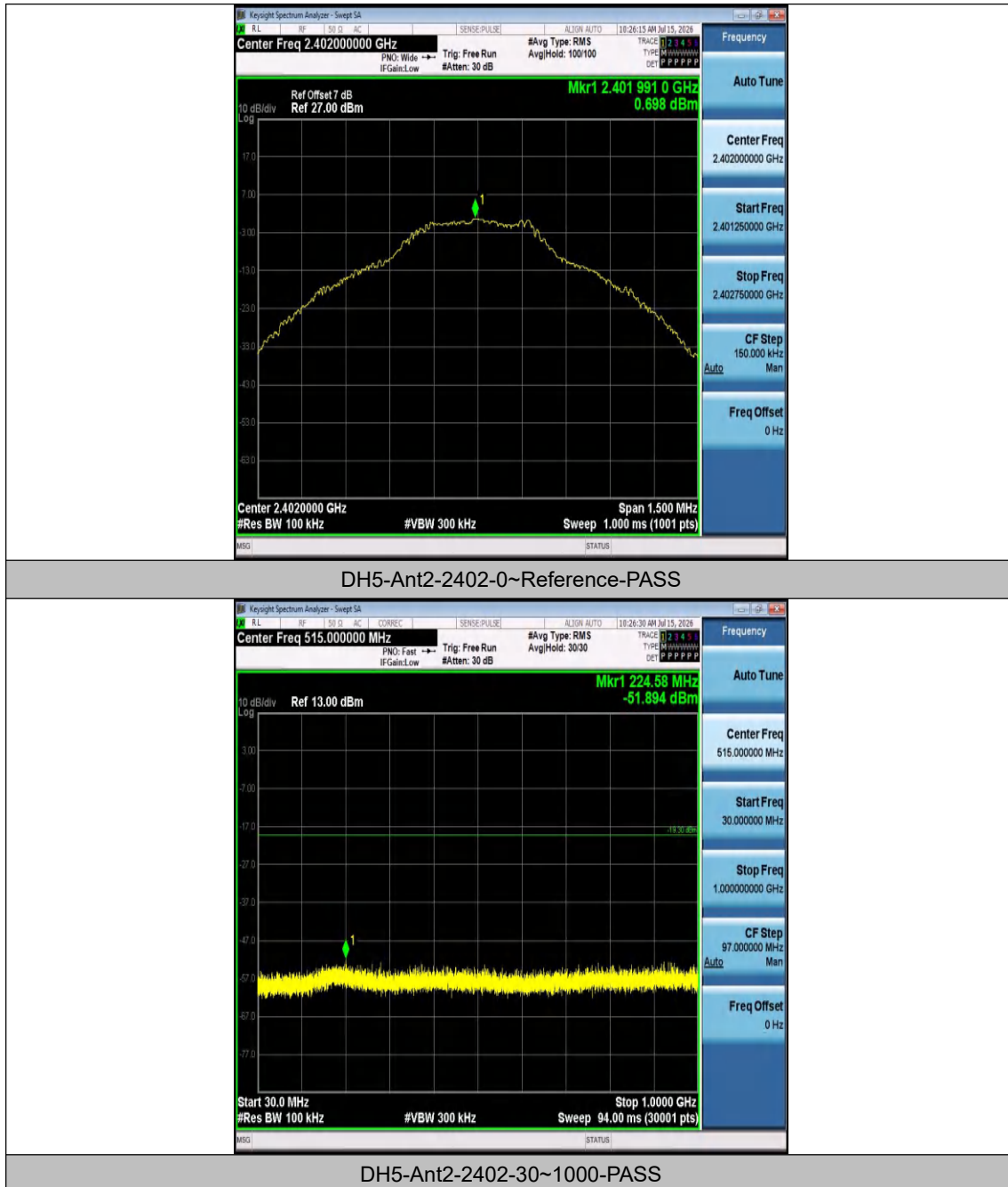
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	2402	0~Reference	0.70	0.70	---	PASS
DH5	Ant2	2402	30~1000	0.70	-51.89	≤-19.3	PASS
DH5	Ant2	2402	1000~26500	0.70	-29.81	≤-19.3	PASS
DH5	Ant2	2441	0~Reference	0.27	0.27	---	PASS
DH5	Ant2	2441	30~1000	0.27	-51.01	≤-19.73	PASS
DH5	Ant2	2441	1000~26500	0.27	-28.11	≤-19.73	PASS
DH5	Ant2	2480	0~Reference	-0.14	-0.14	---	PASS
DH5	Ant2	2480	30~1000	-0.14	-51.94	≤-20.14	PASS
DH5	Ant2	2480	1000~26500	-0.14	-29.34	≤-20.14	PASS
2DH5	Ant2	2402	0~Reference	0.72	0.72	---	PASS
2DH5	Ant2	2402	30~1000	0.72	-52.54	≤-19.28	PASS
2DH5	Ant2	2402	1000~26500	0.72	-36.69	≤-19.28	PASS
2DH5	Ant2	2441	0~Reference	0.23	0.23	---	PASS
2DH5	Ant2	2441	30~1000	0.23	-52.32	≤-19.77	PASS
2DH5	Ant2	2441	1000~26500	0.23	-35.82	≤-19.77	PASS
2DH5	Ant2	2480	0~Reference	-1.25	-1.25	---	PASS
2DH5	Ant2	2480	30~1000	-1.25	-45.79	≤-21.25	PASS
2DH5	Ant2	2480	1000~26500	-1.25	-36.71	≤-21.25	PASS
3DH5	Ant2	2402	0~Reference	-0.06	-0.06	---	PASS
3DH5	Ant2	2402	30~1000	-0.06	-52.24	≤-20.06	PASS
3DH5	Ant2	2402	1000~26500	-0.06	-35.3	≤-20.06	PASS
3DH5	Ant2	2441	0~Reference	0.17	0.17	---	PASS
3DH5	Ant2	2441	30~1000	0.17	-51.88	≤-19.83	PASS
3DH5	Ant2	2441	1000~26500	0.17	-34.9	≤-19.83	PASS
3DH5	Ant2	2480	0~Reference	-0.85	-0.85	---	PASS
3DH5	Ant2	2480	30~1000	-0.85	-52.04	≤-20.85	PASS
3DH5	Ant2	2480	1000~26500	-0.85	-35.53	≤-20.85	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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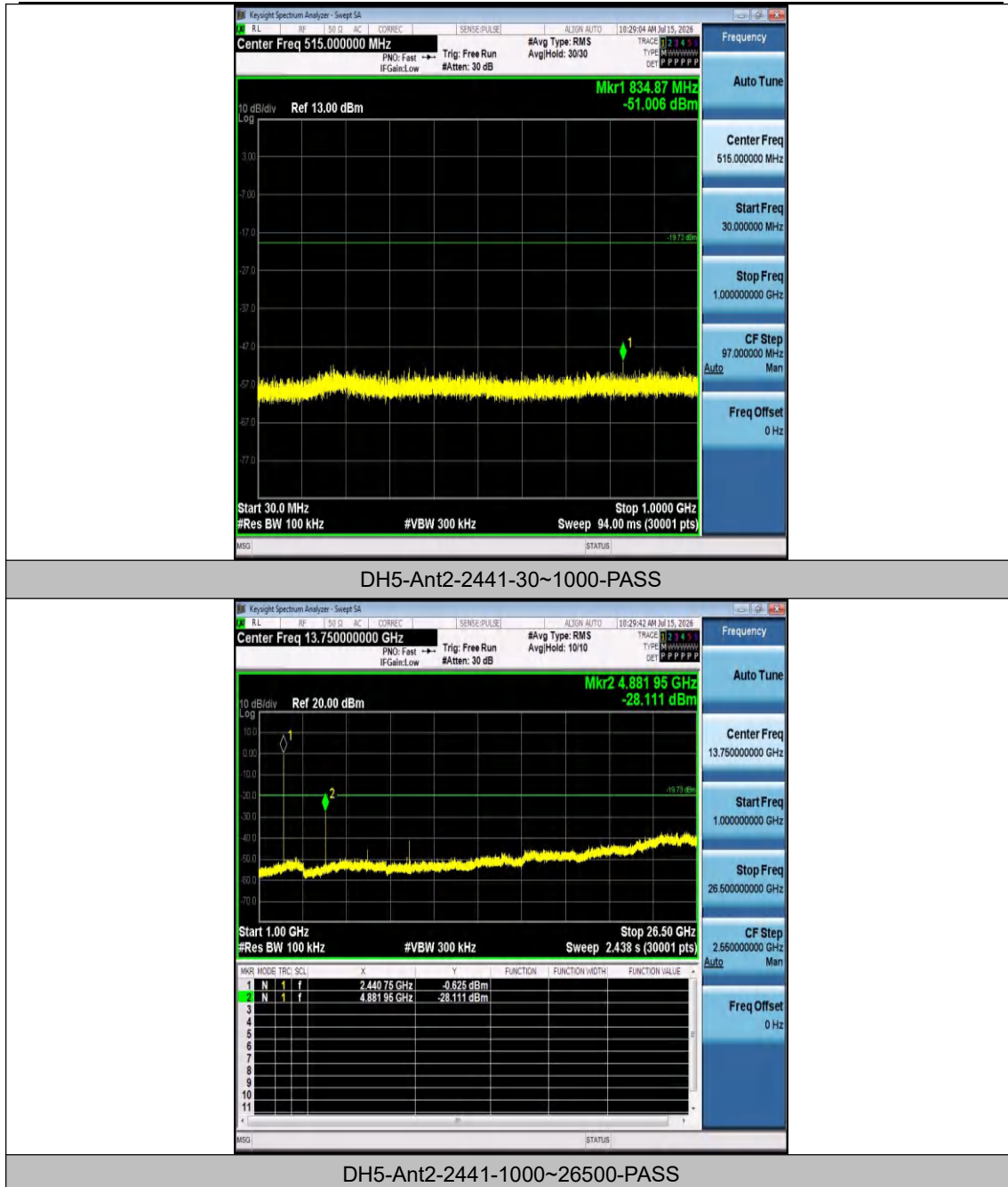
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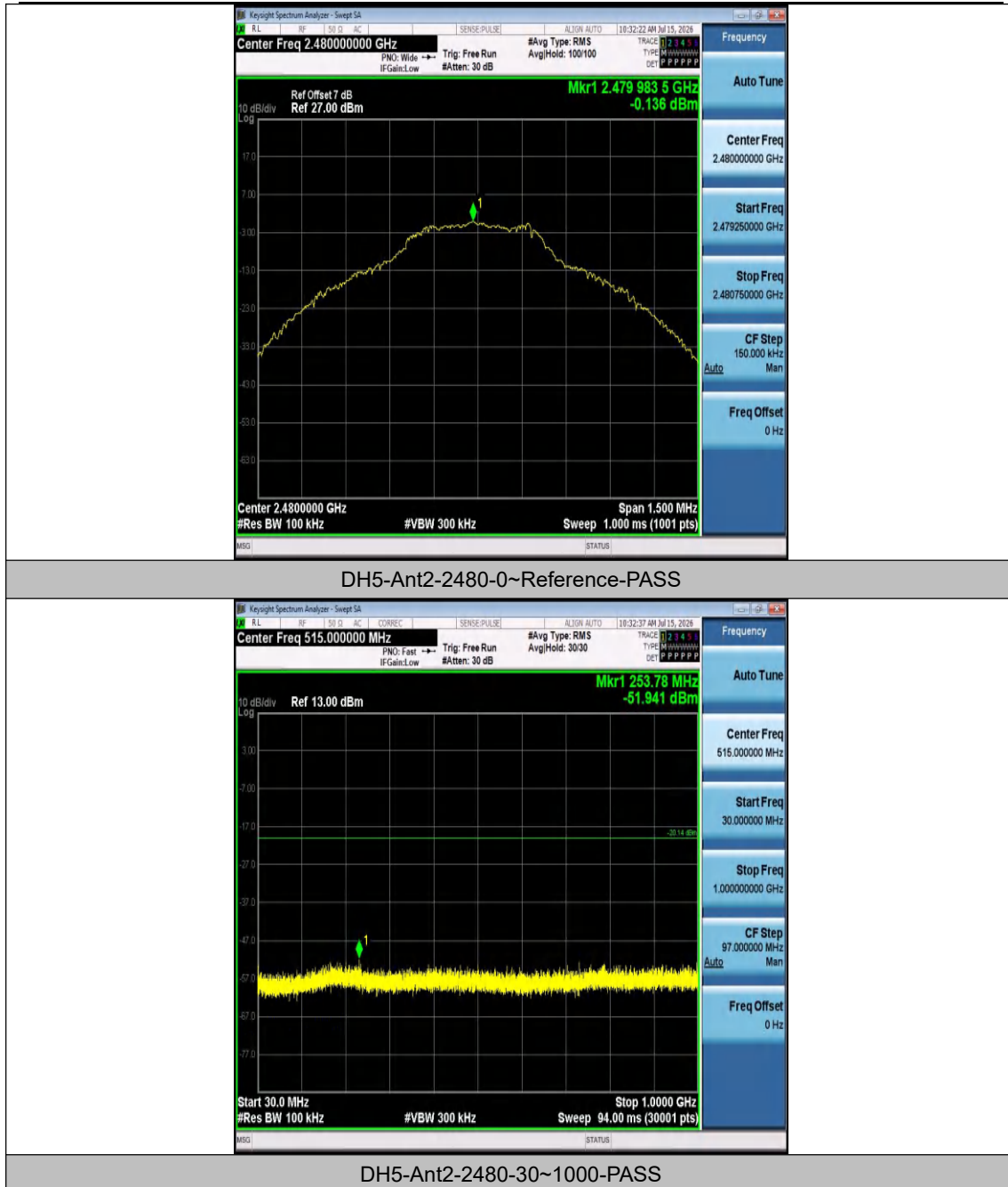
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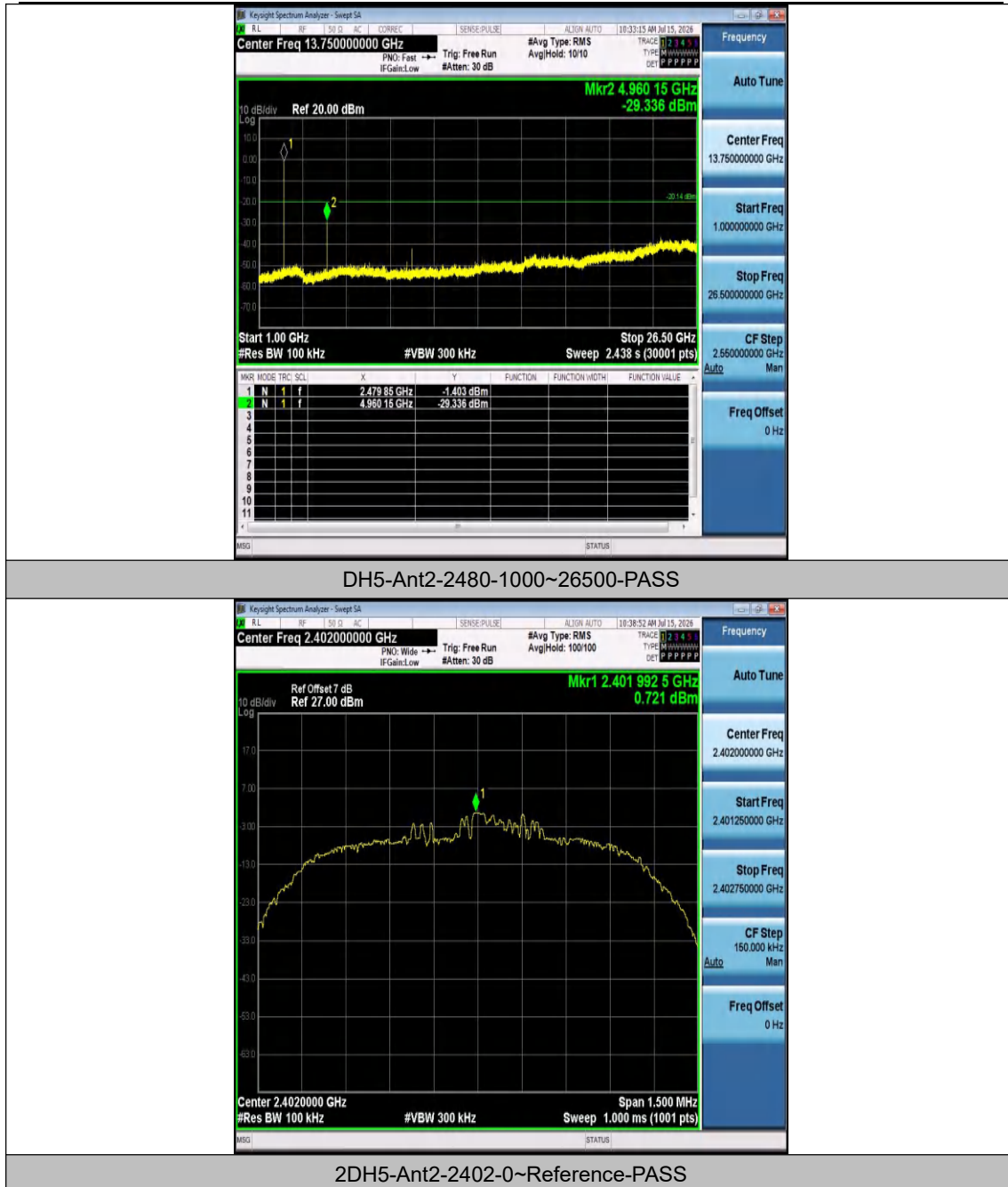
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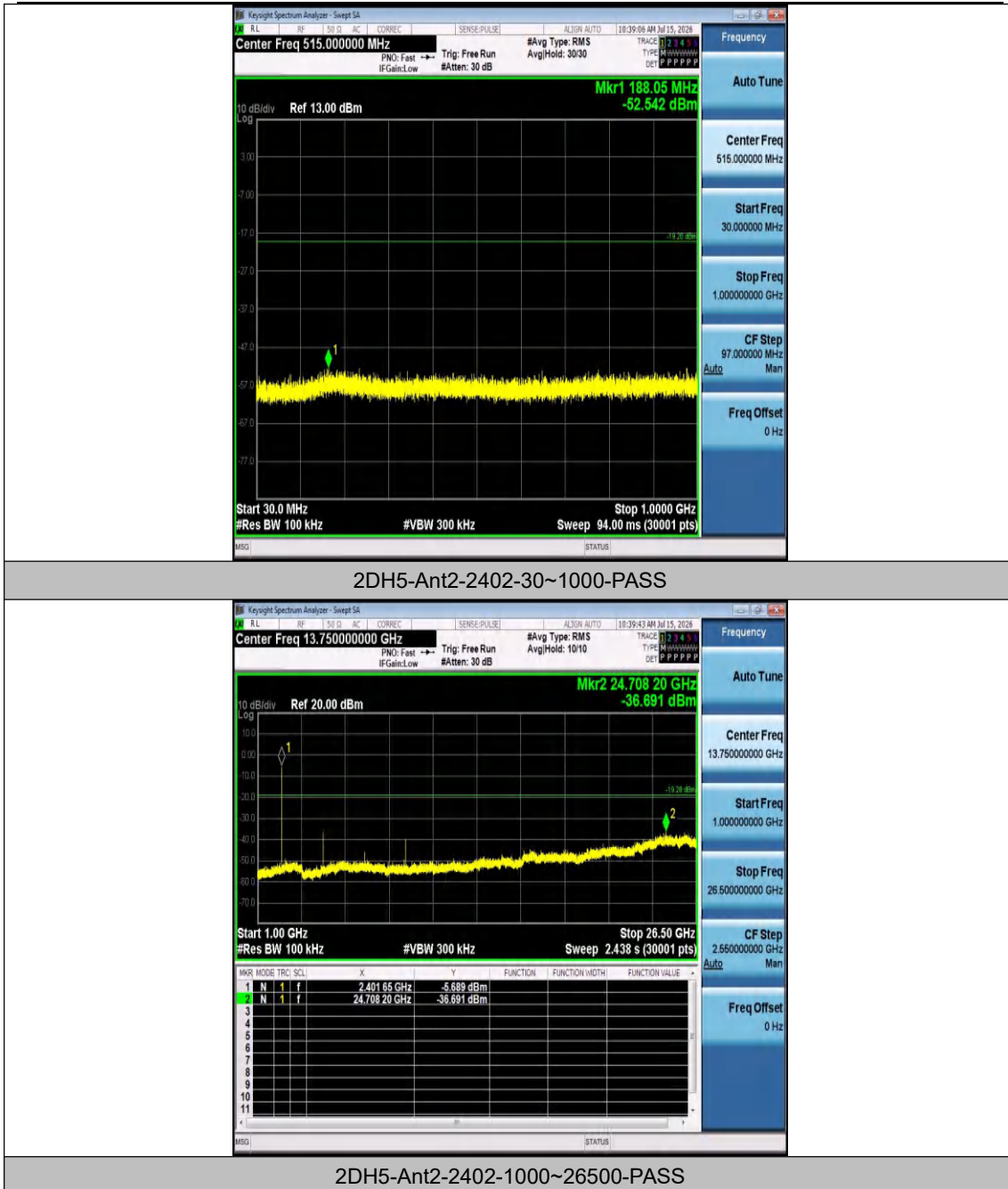
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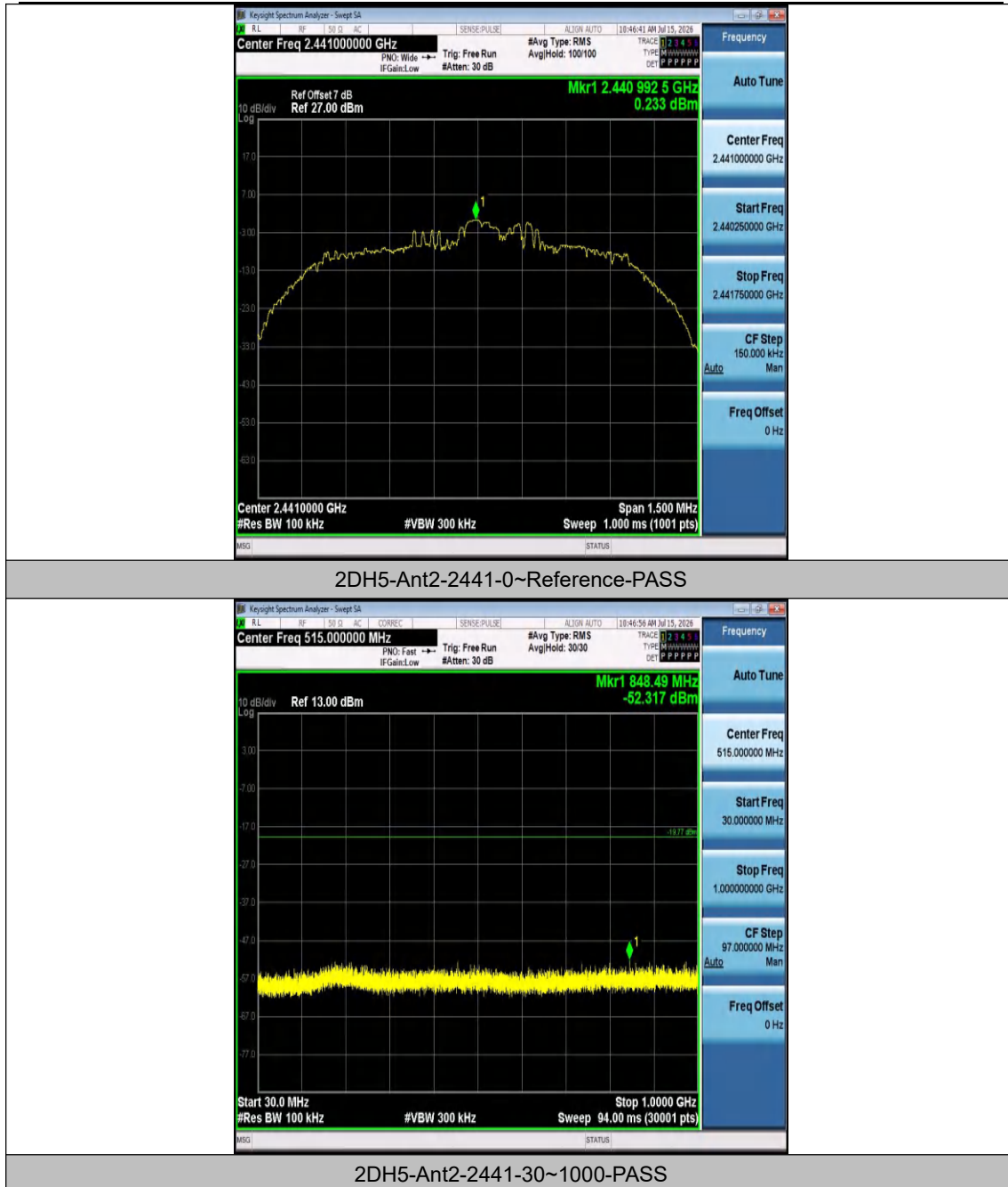


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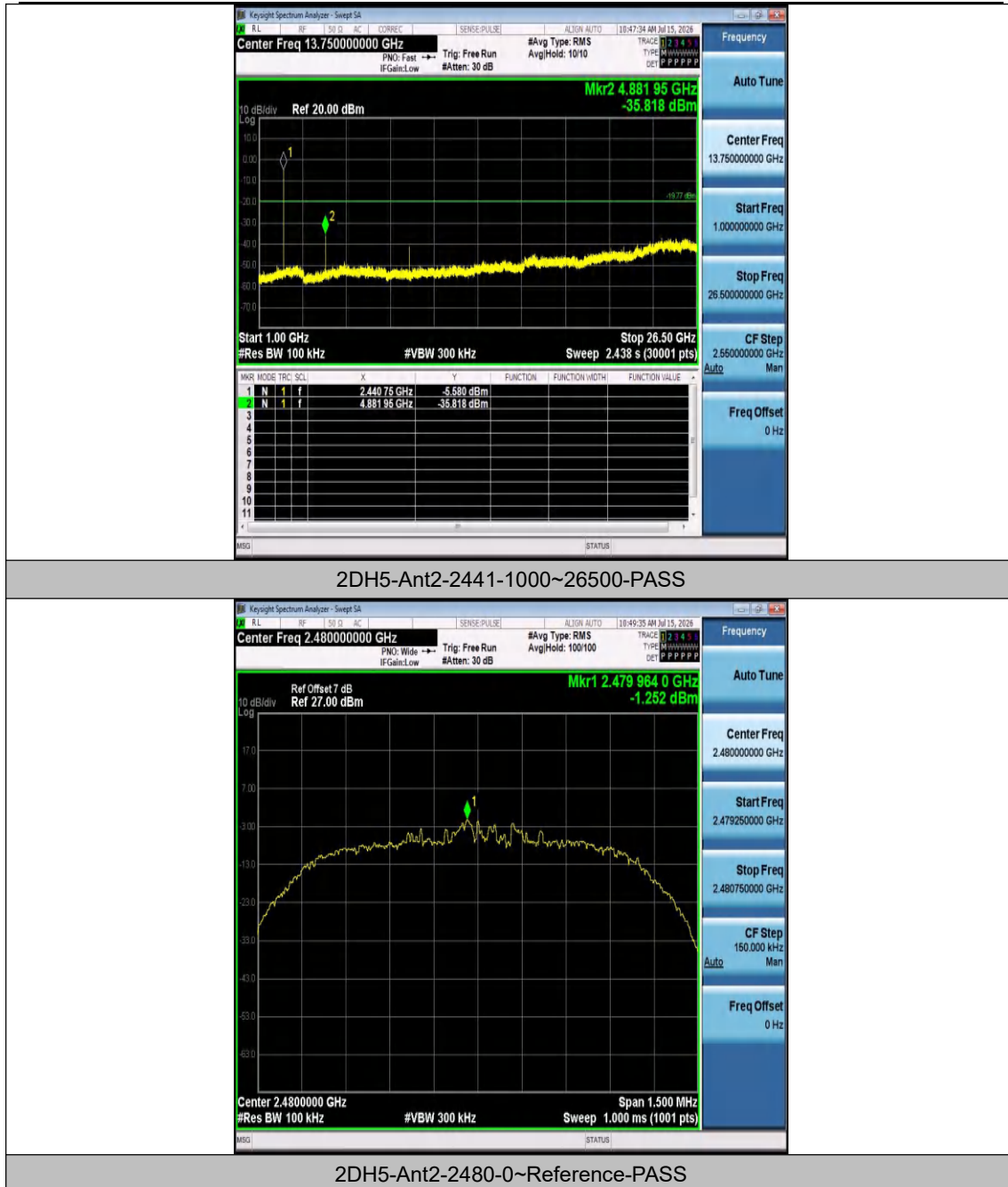




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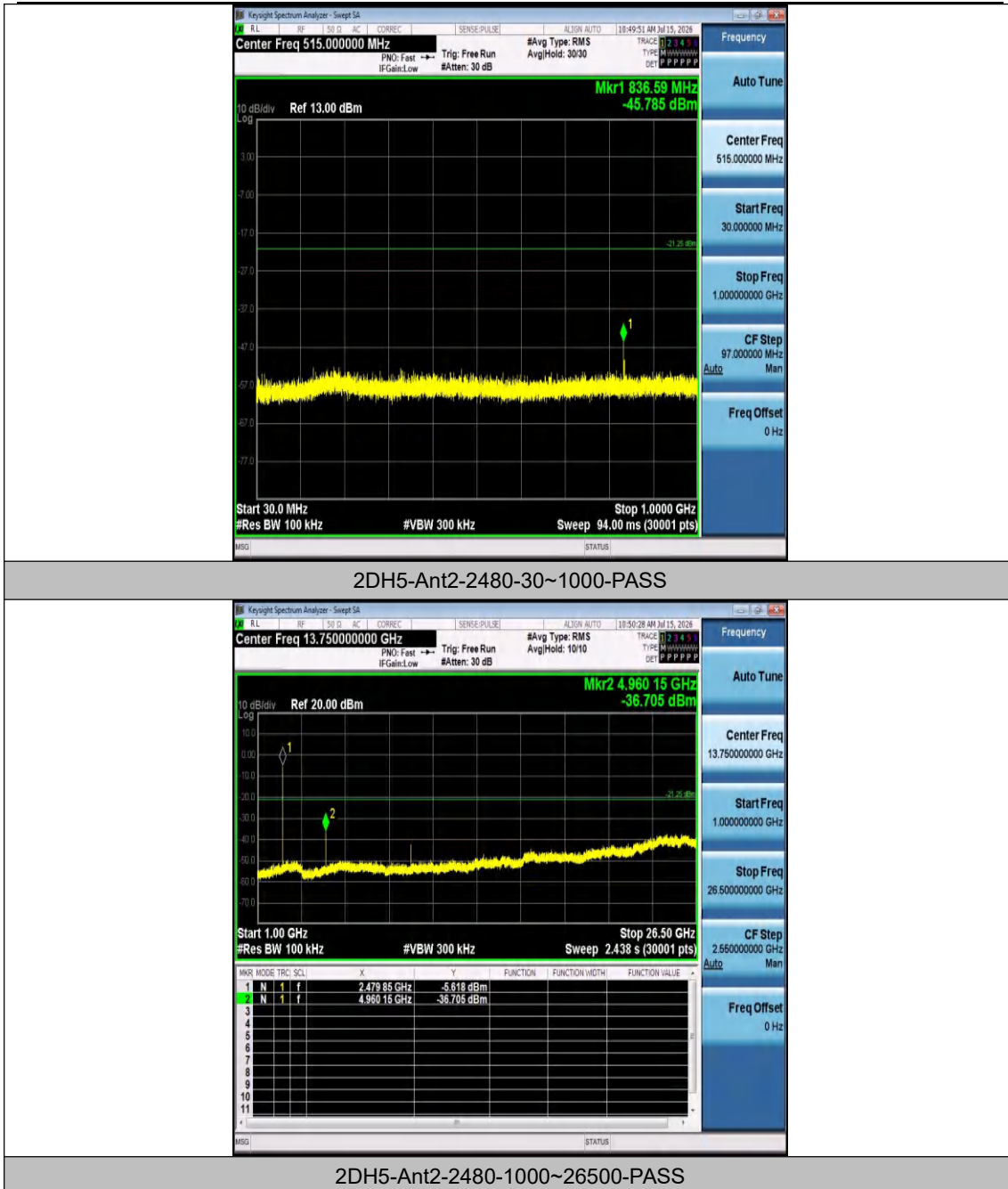
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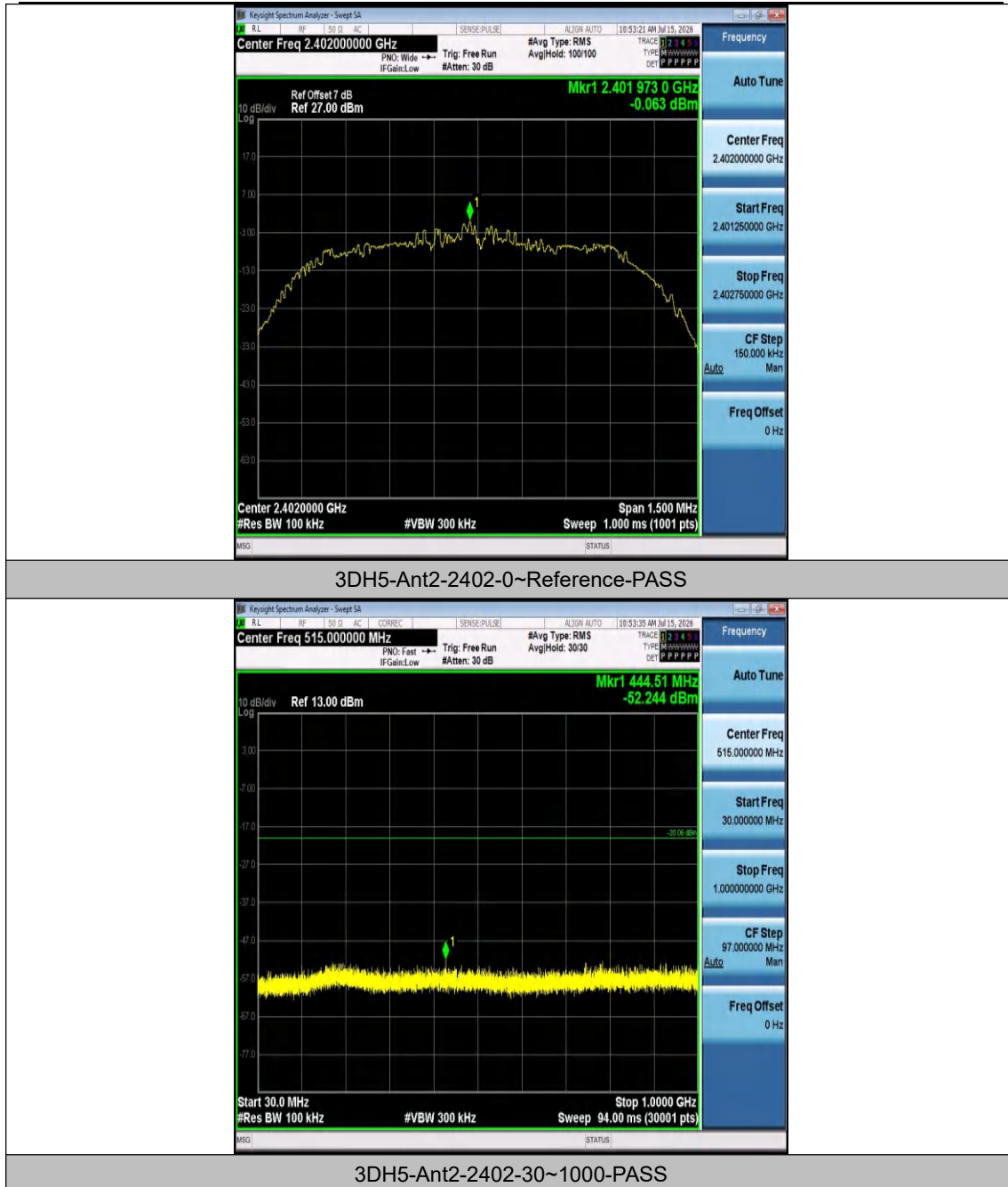
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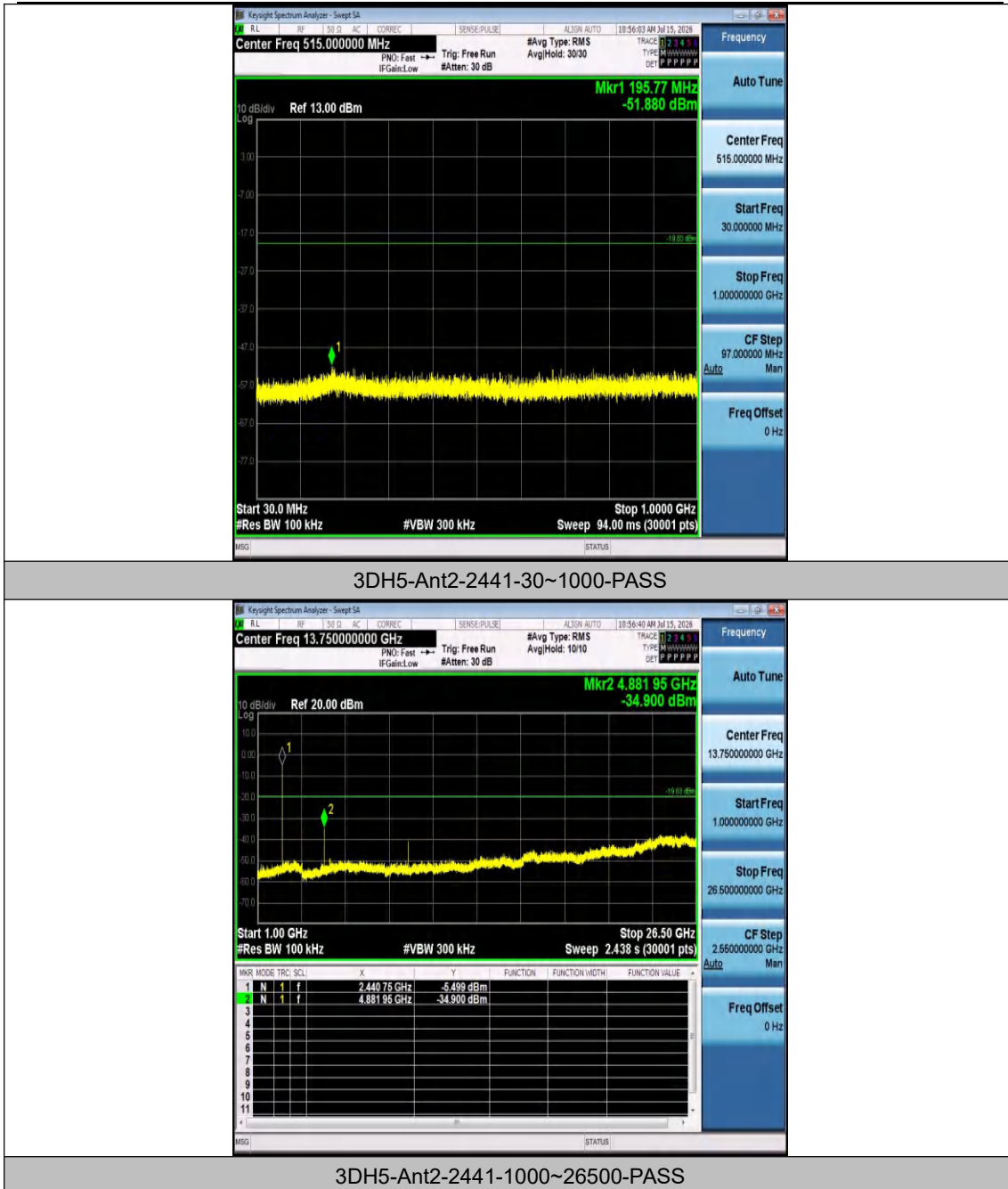


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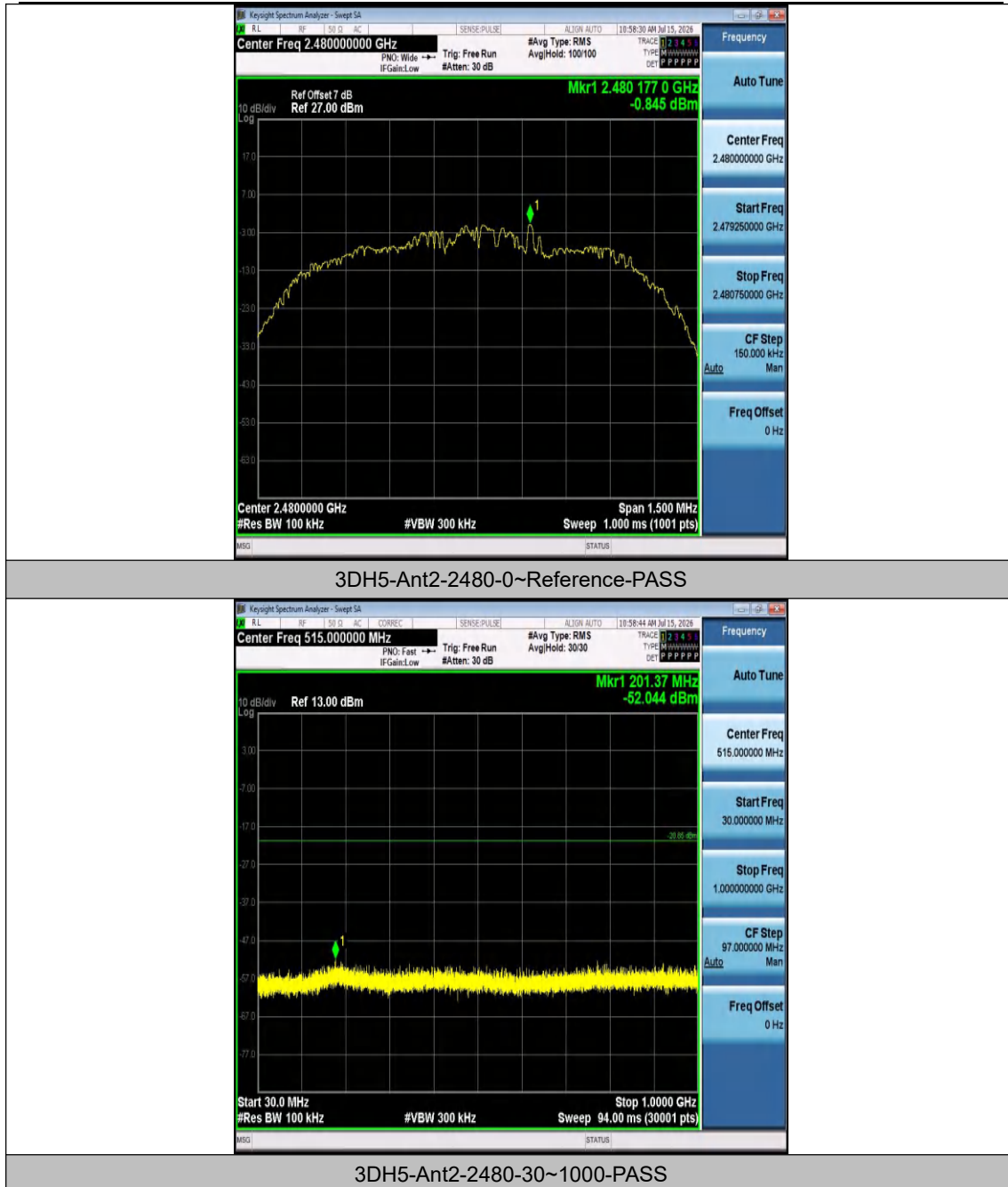




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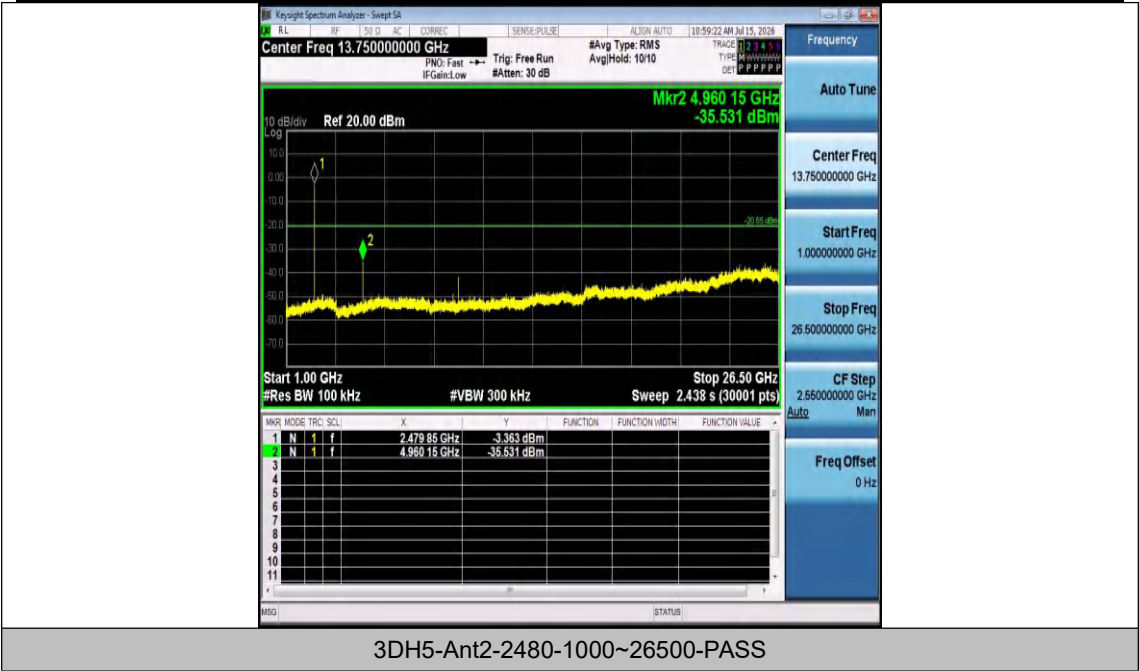
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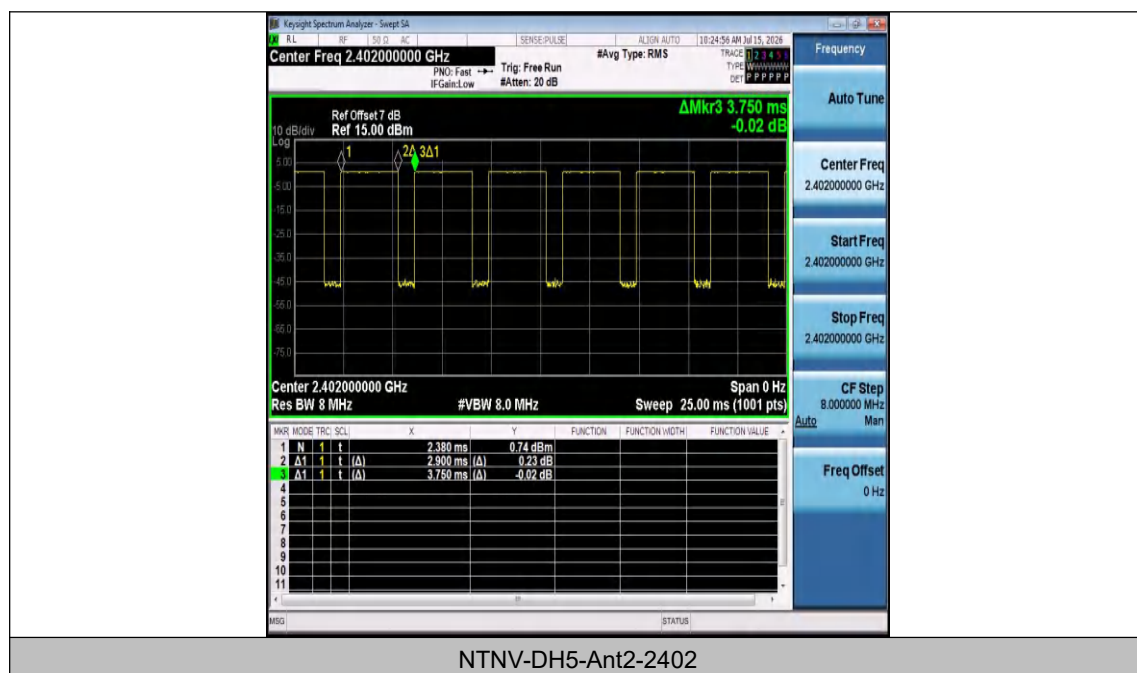
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Appendix I: Duty Cycle

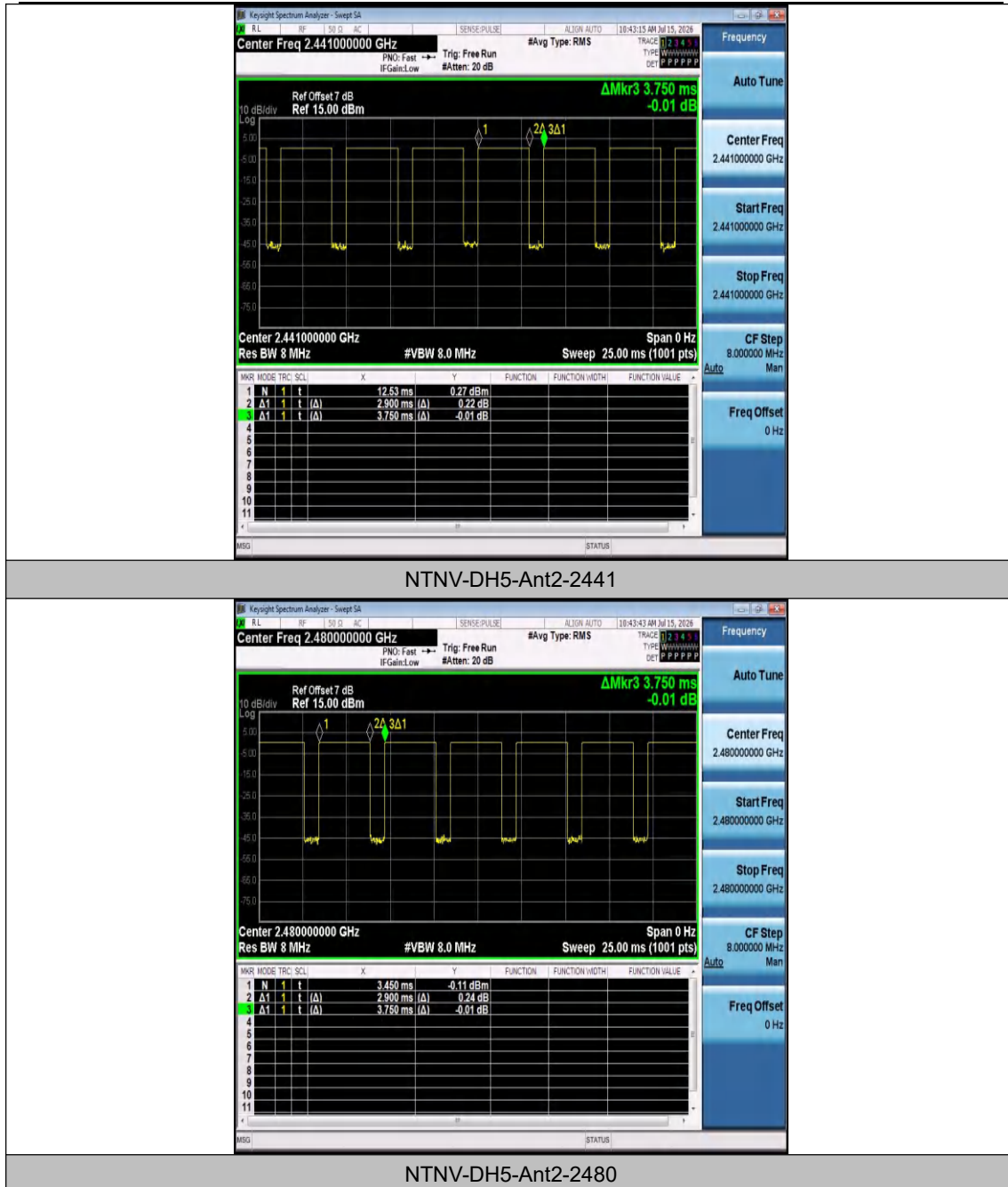
Test Result

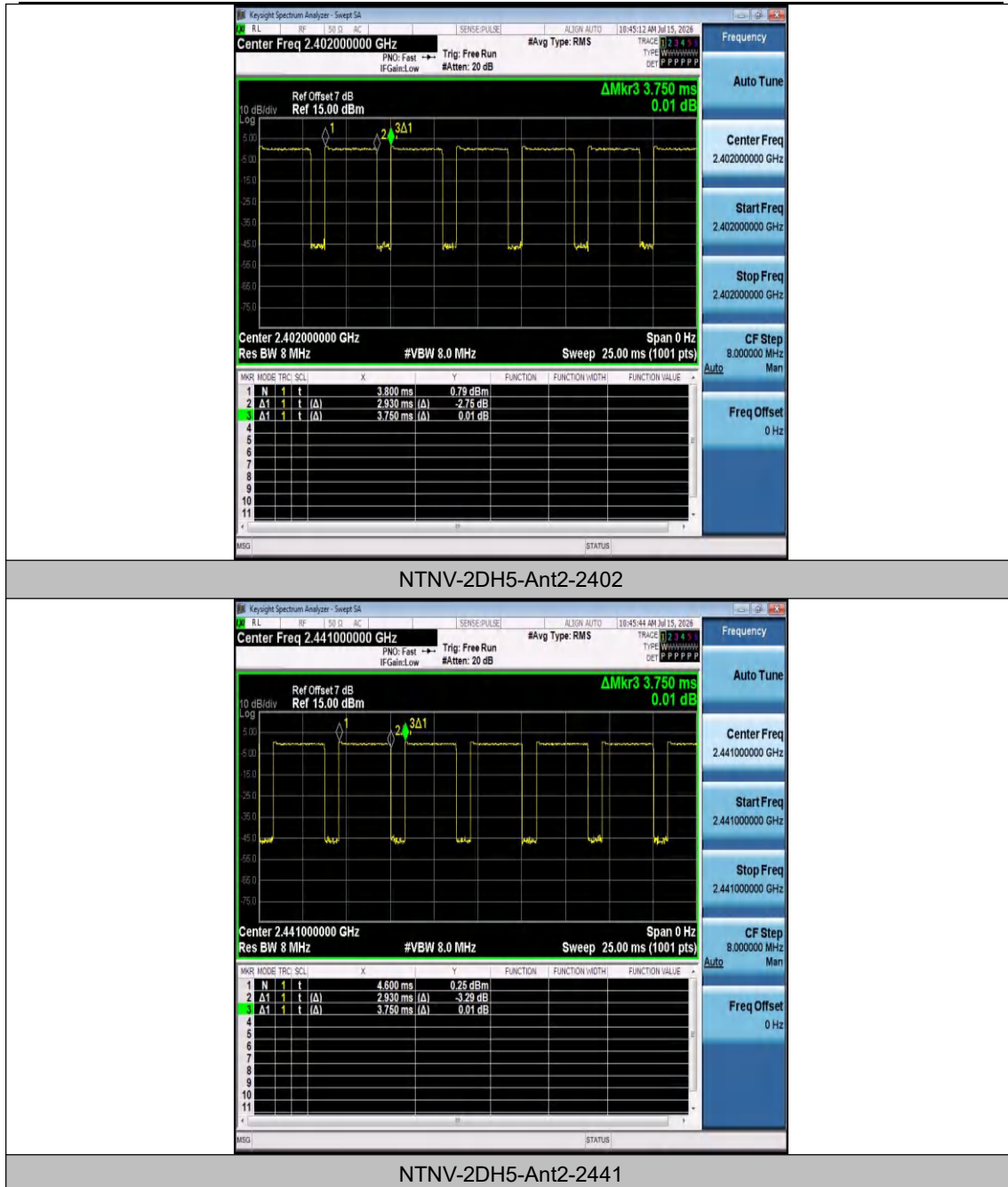
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant2	2402	2.90	3.75	77.33	1.12
DH5	Ant2	2441	2.90	3.75	77.33	1.12
DH5	Ant2	2480	2.90	3.75	77.33	1.12
2DH5	Ant2	2402	2.93	3.75	78.13	1.07
2DH5	Ant2	2441	2.93	3.75	78.13	1.07
2DH5	Ant2	2480	2.90	3.75	77.33	1.12
3DH5	Ant2	2402	2.92	3.75	77.87	1.09
3DH5	Ant2	2441	2.92	3.75	77.87	1.09
3DH5	Ant2	2480	2.93	3.75	78.13	1.07

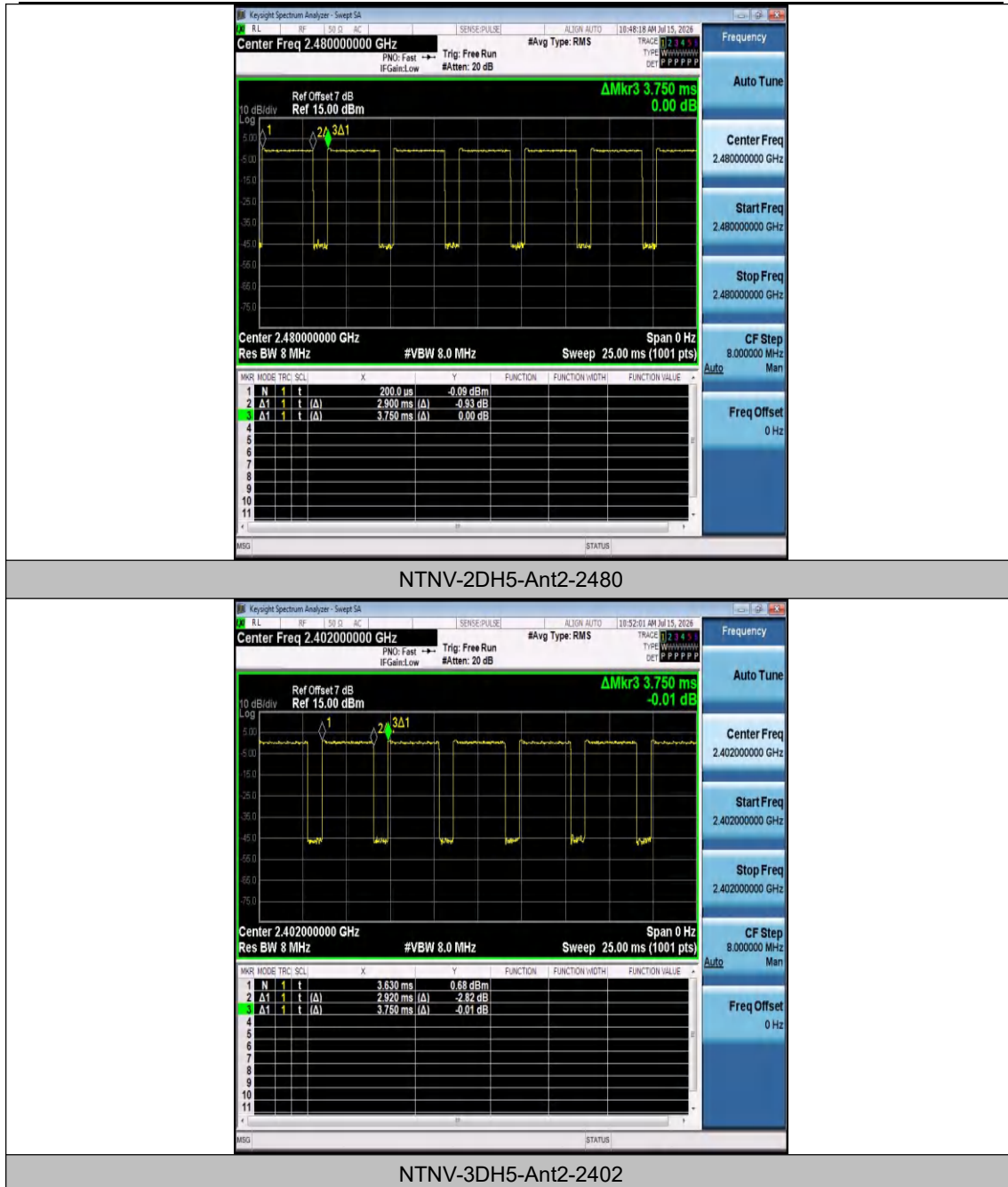
Test Graphs



NTNV-DH5-Ant2-2402



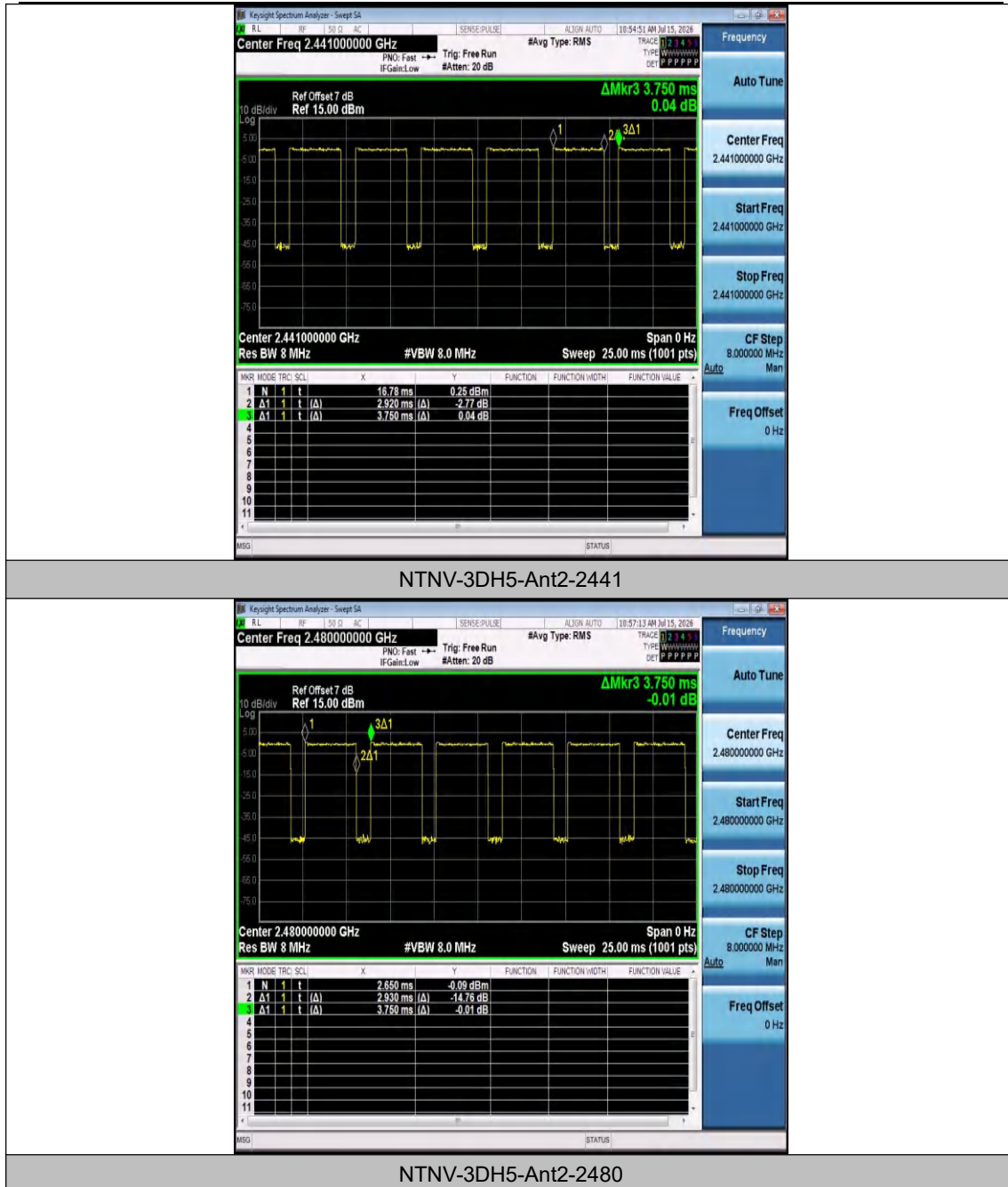




Shenzhen Anbotek Compliance Laboratory Limited

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