

Appendix Test Data

Report No.:	18220WC20078201	Test Sample No.:	1-2-2
Start Test Date:	2022.4.15	Finish Test Date:	2022.4.20
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.2 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.984	2401.499	2402.483	---	PASS
		2441	0.975	2440.514	2441.489	---	PASS
		2480	0.966	2479.547	2480.513	---	PASS
2DH5	Ant1	2402	1.344	2401.337	2402.681	---	PASS
		2441	1.353	2440.337	2441.690	---	PASS
		2480	1.353	2479.343	2480.696	---	PASS
3DH5	Ant1	2402	1.374	2401.319	2402.693	---	PASS
		2441	1.326	2440.340	2441.666	---	PASS
		2480	1.380	2479.325	2480.705	---	PASS

Test Graphs

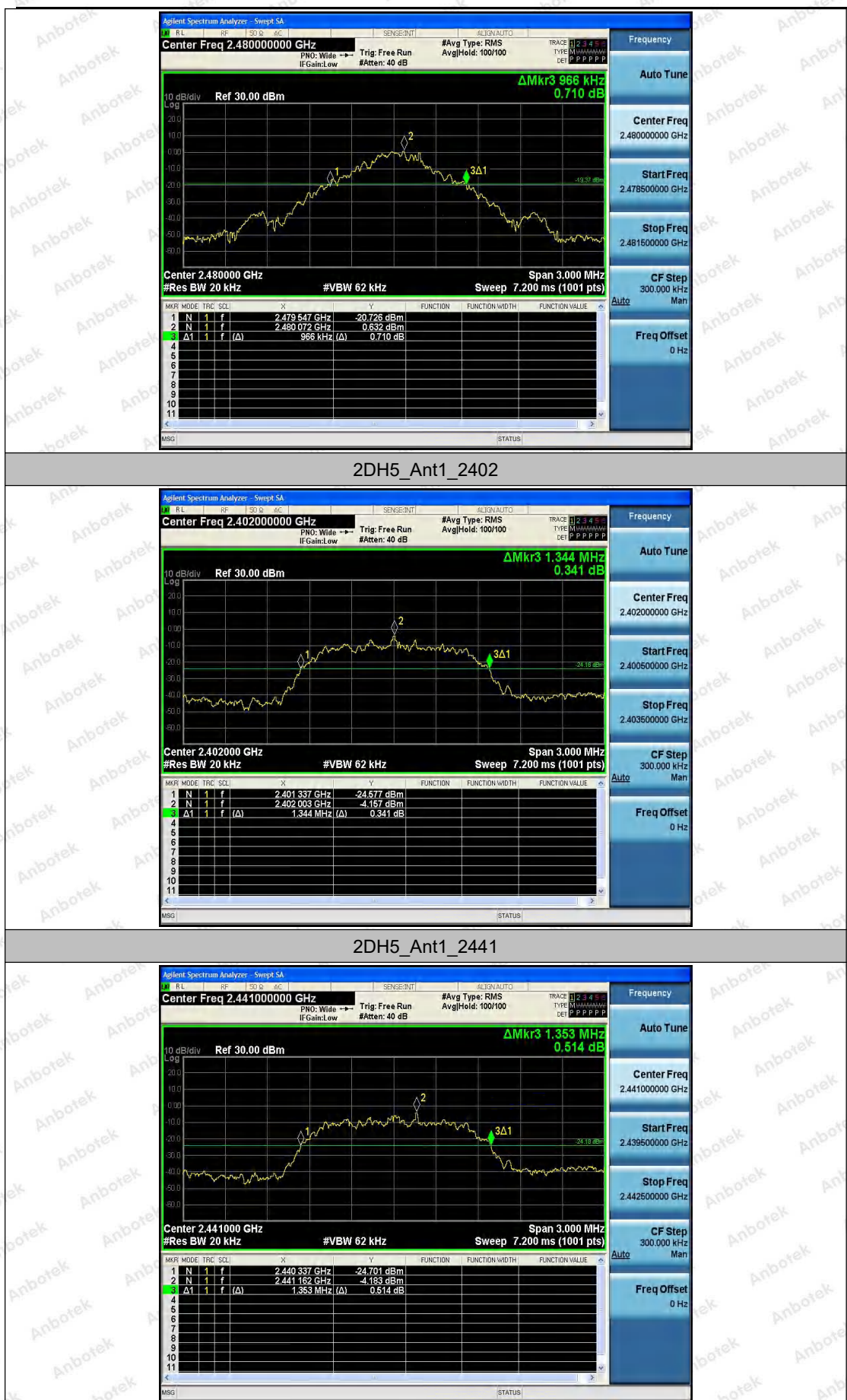
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89503	2401.548	2402.443	---	PASS
		2441	0.90310	2440.557	2441.460	---	PASS
		2480	0.93978	2479.541	2480.481	---	PASS
2DH5	Ant1	2402	1.2337	2401.393	2402.627	---	PASS
		2441	1.2360	2440.401	2441.637	---	PASS
		2480	1.2470	2479.400	2480.647	---	PASS
3DH5	Ant1	2402	1.2303	2401.382	2402.613	---	PASS
		2441	1.2307	2440.391	2441.622	---	PASS
		2480	1.2346	2479.394	2480.629	---	PASS

Test Graphs



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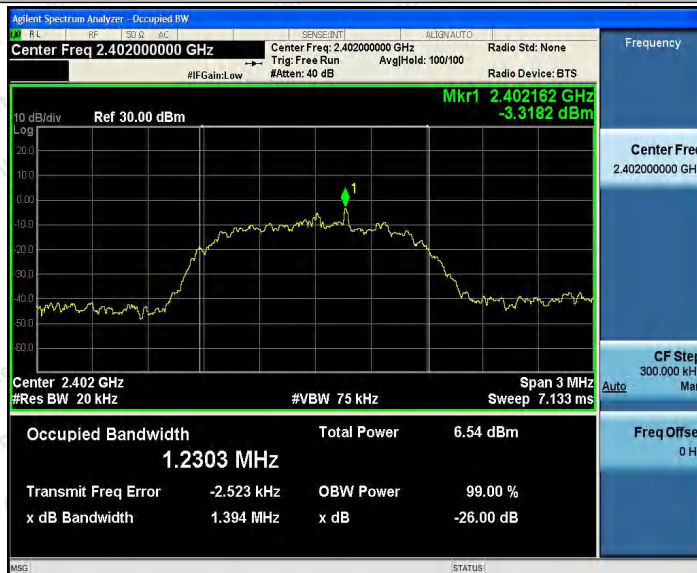
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2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

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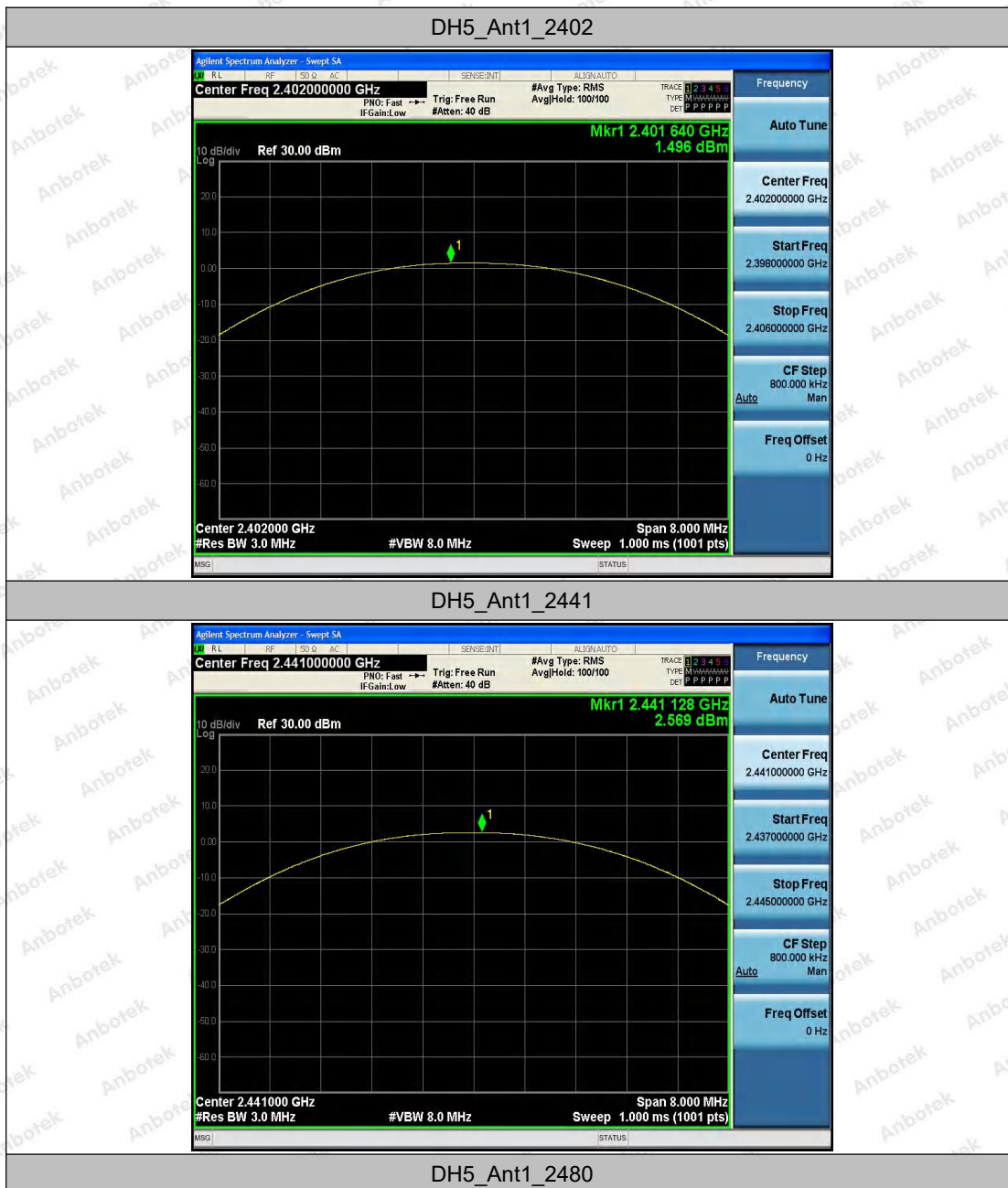
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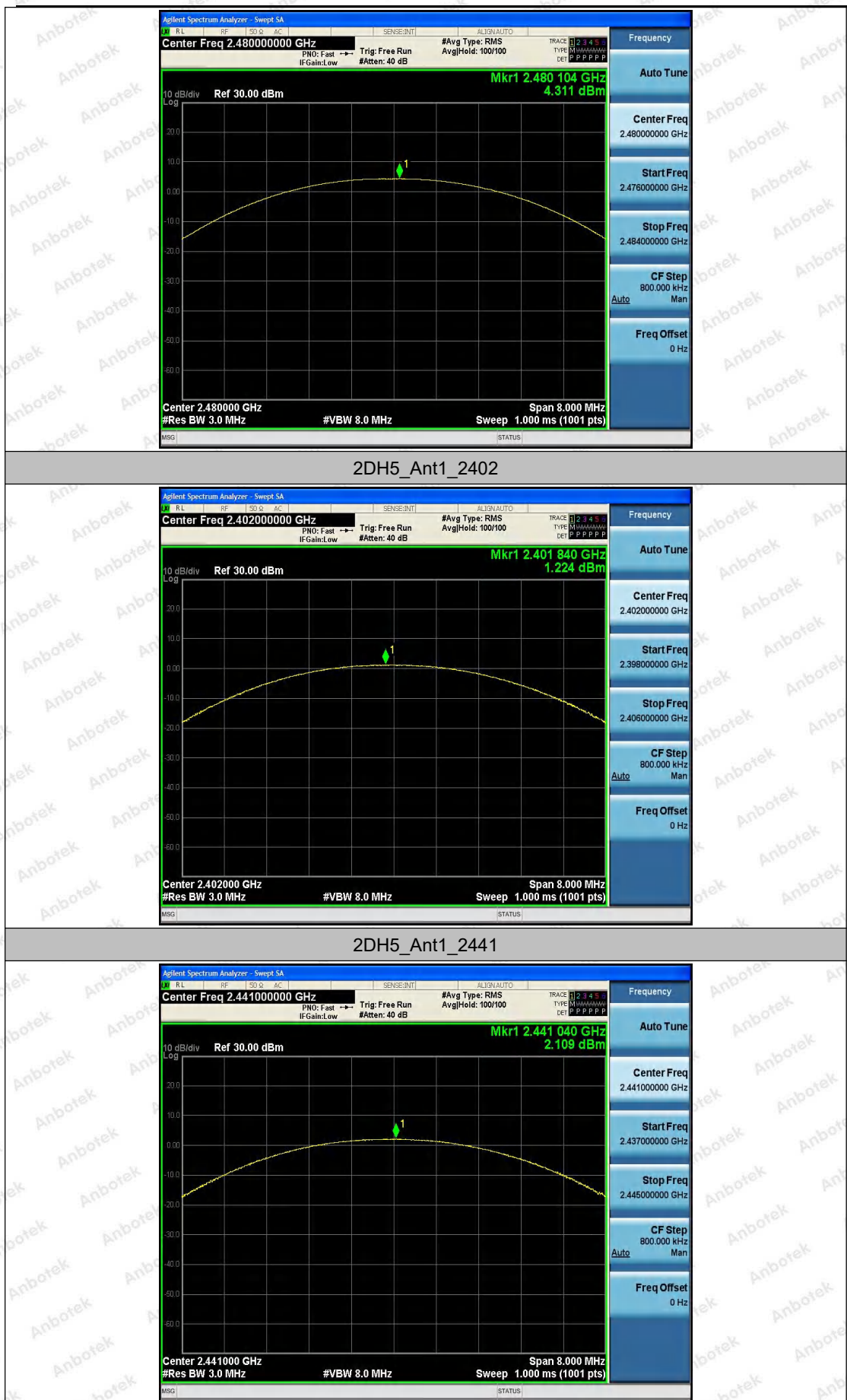
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.5	≤20.97	PASS
		2441	2.57	≤20.97	PASS
		2480	4.31	≤20.97	PASS
2DH5	Ant1	2402	1.22	≤20.97	PASS
		2441	2.11	≤20.97	PASS
		2480	3.71	≤20.97	PASS
3DH5	Ant1	2402	1.46	≤20.97	PASS
		2441	2.31	≤20.97	PASS
		2480	3.87	≤20.97	PASS

Test Graphs





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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.99	≥ 0.984	PASS
2DH5	Ant1	Hop	1.138	≥ 0.902	PASS
3DH5	Ant1	Hop	1.026	≥ 0.920	PASS

Test Graphs



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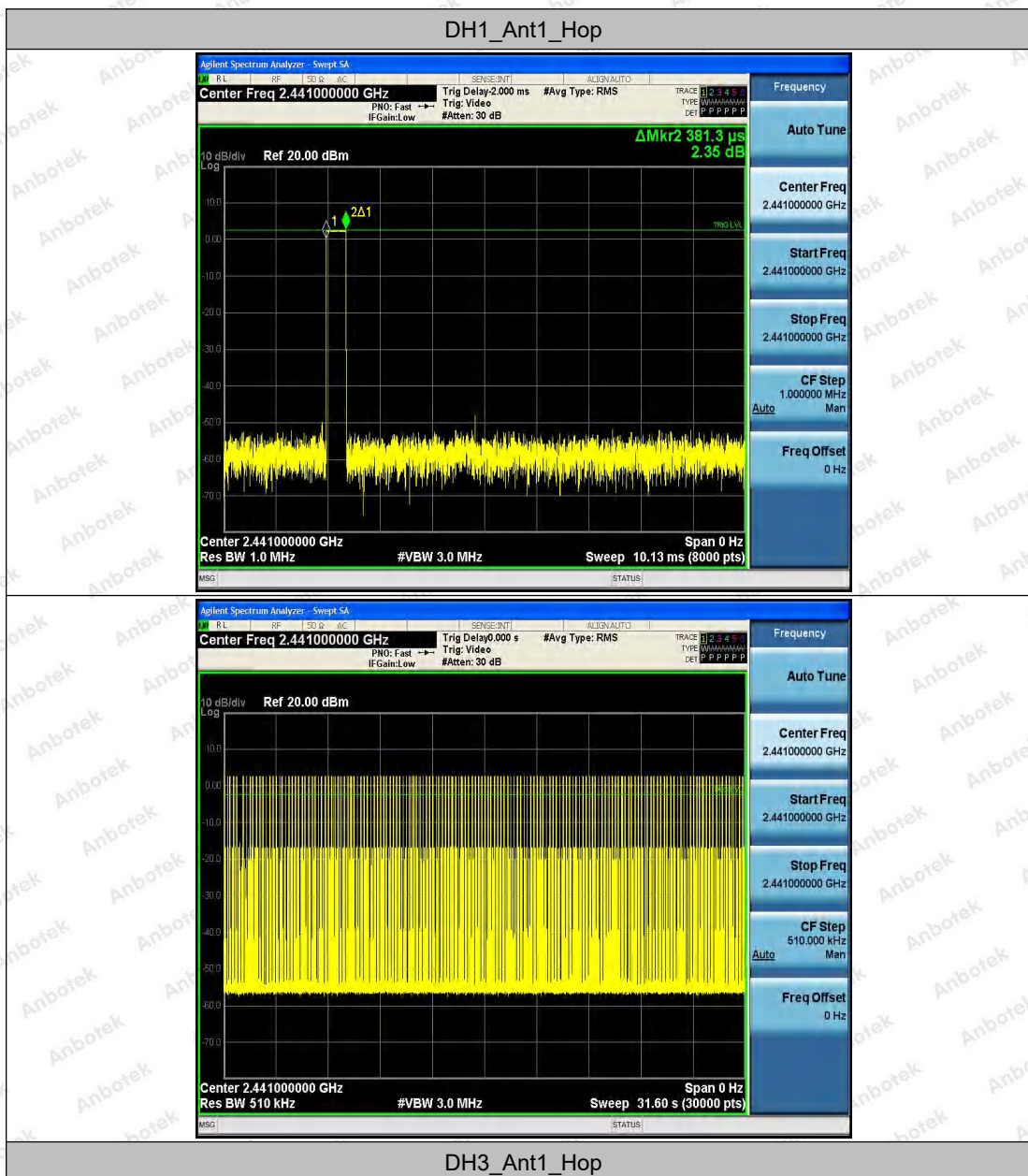
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Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	317	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.64	145	0.237	≤0.4	PASS
DH5	Ant1	Hop	2.89	108	0.312	≤0.4	PASS
2DH1	Ant1	Hop	0.39	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.64	161	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.89	102	0.295	≤0.4	PASS
3DH1	Ant1	Hop	0.39	320	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.64	163	0.267	≤0.4	PASS
3DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS

Test Graphs

**DH3_Ant1_Hop****Shenzhen Anbotek Compliance Laboratory Limited**

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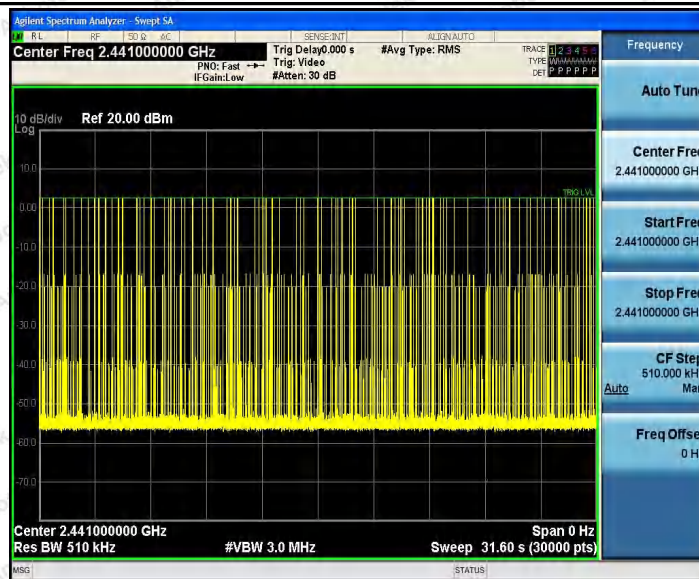
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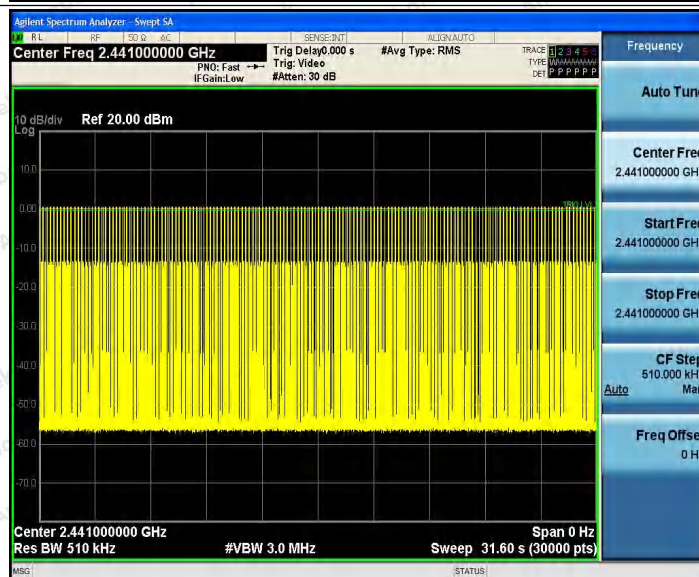
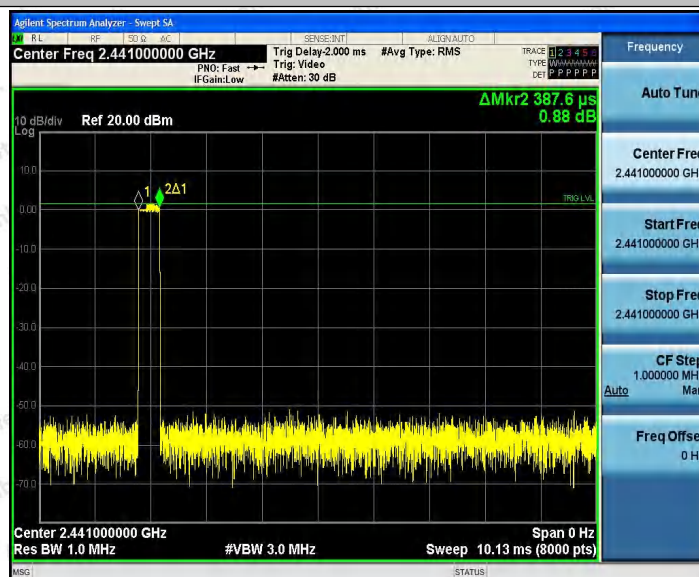
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DH5_Ant1_Hop



2DH1_Ant1_Hop



2DH3_Ant1_Hop

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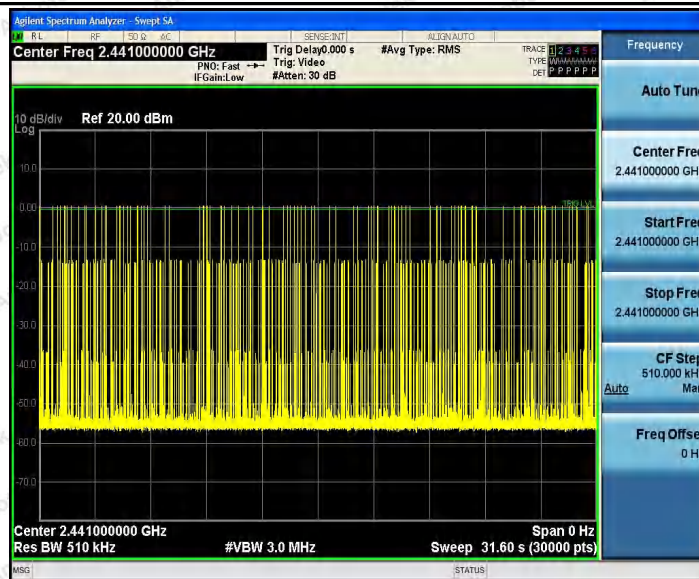
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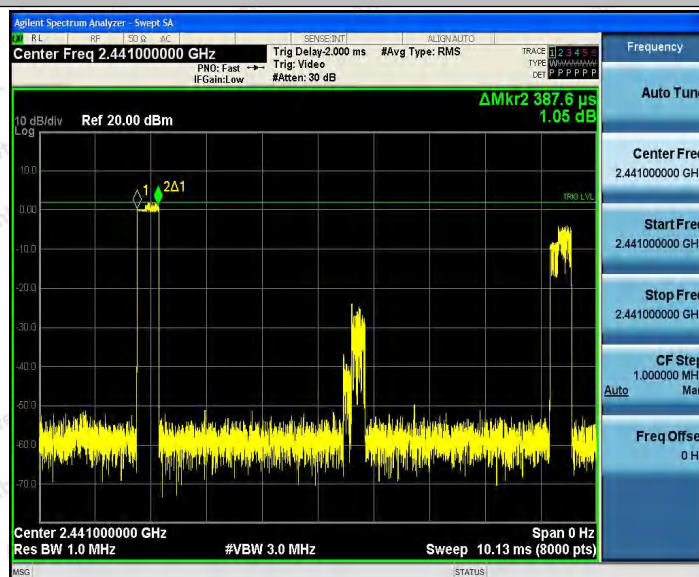
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3DH1_Ant1_Hop



3DH3_Ant1_Hop

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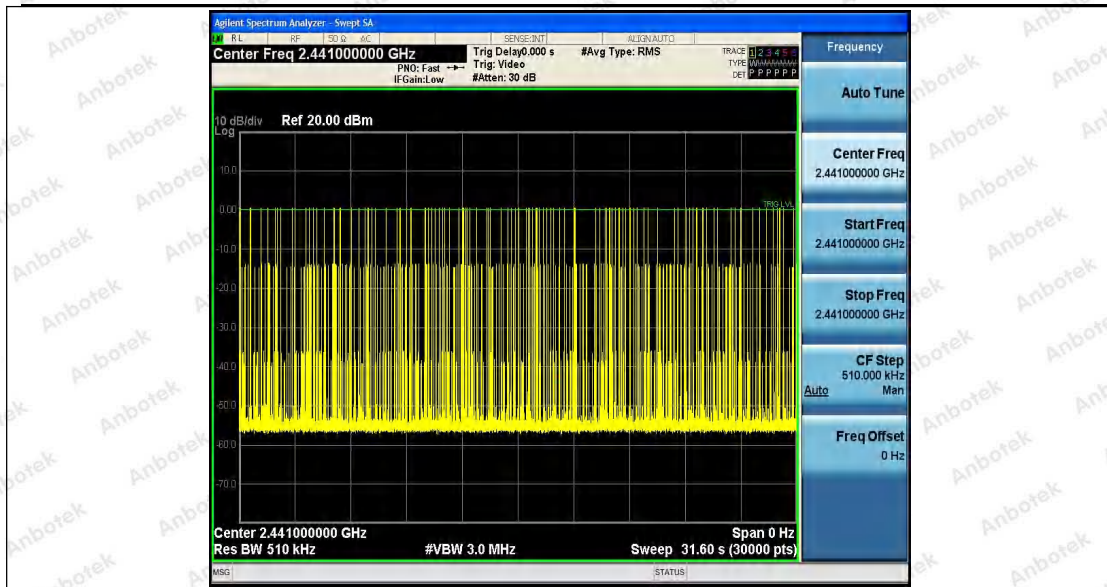


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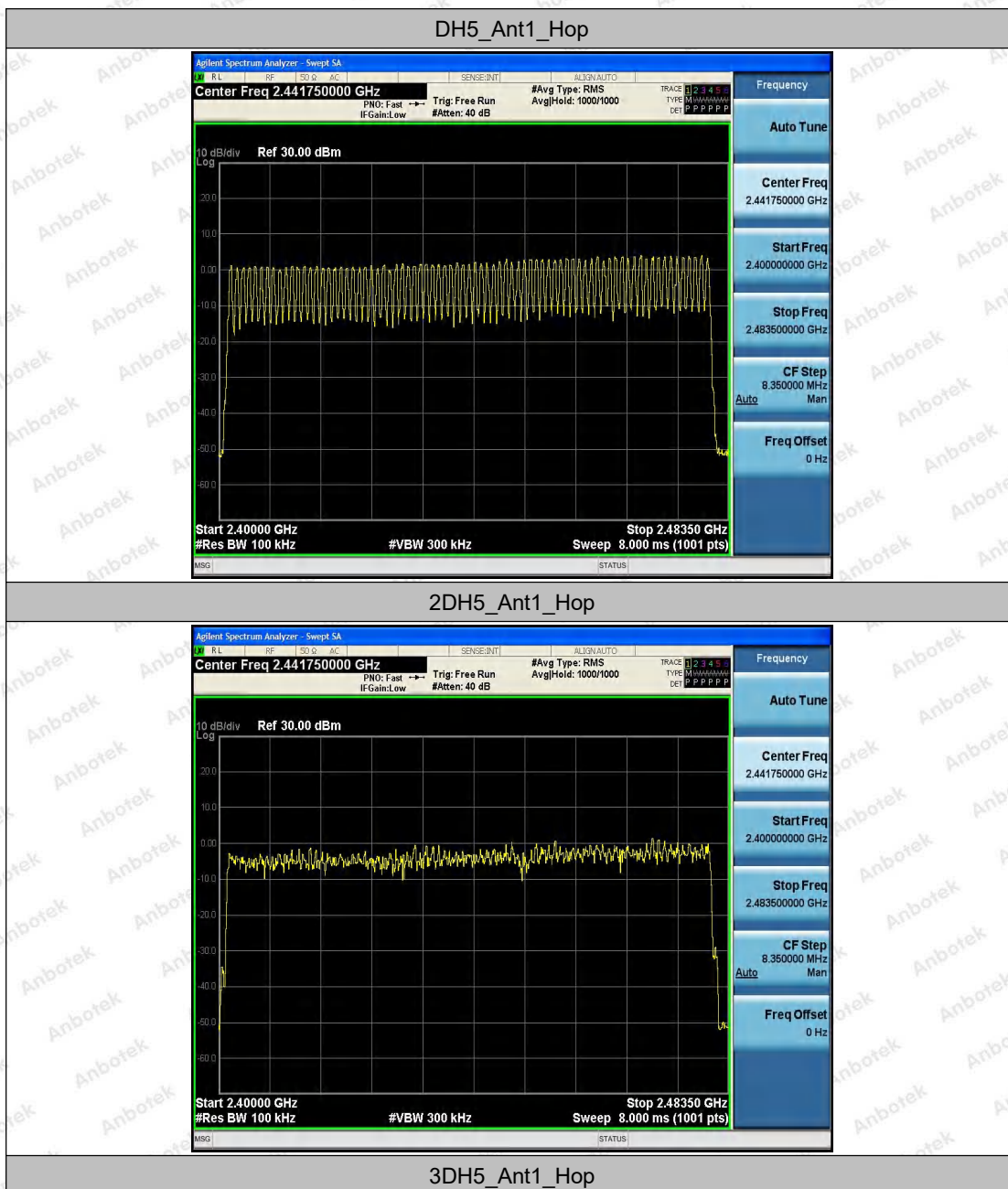
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Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	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

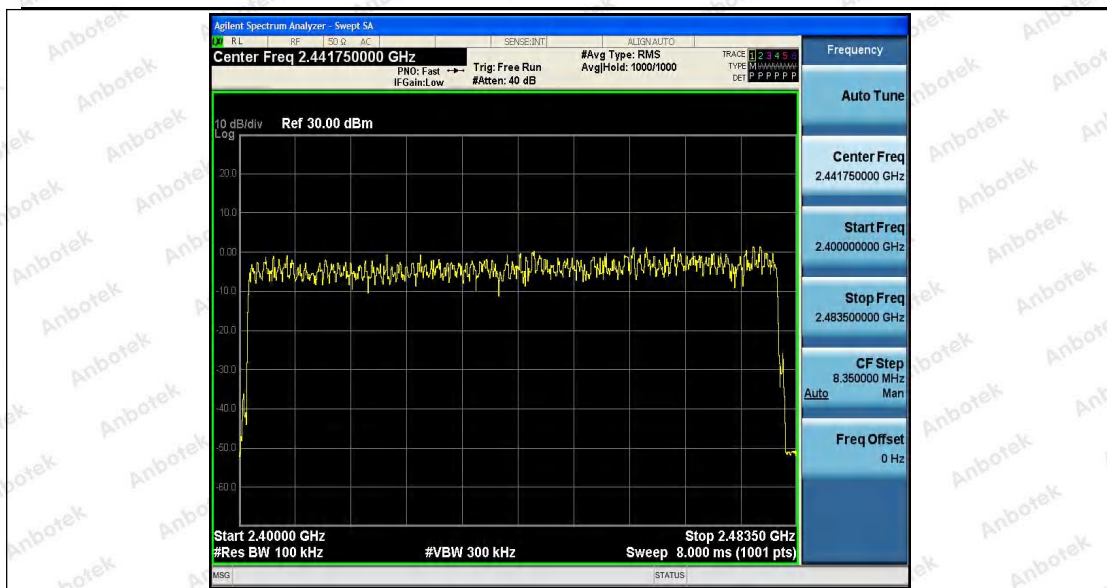


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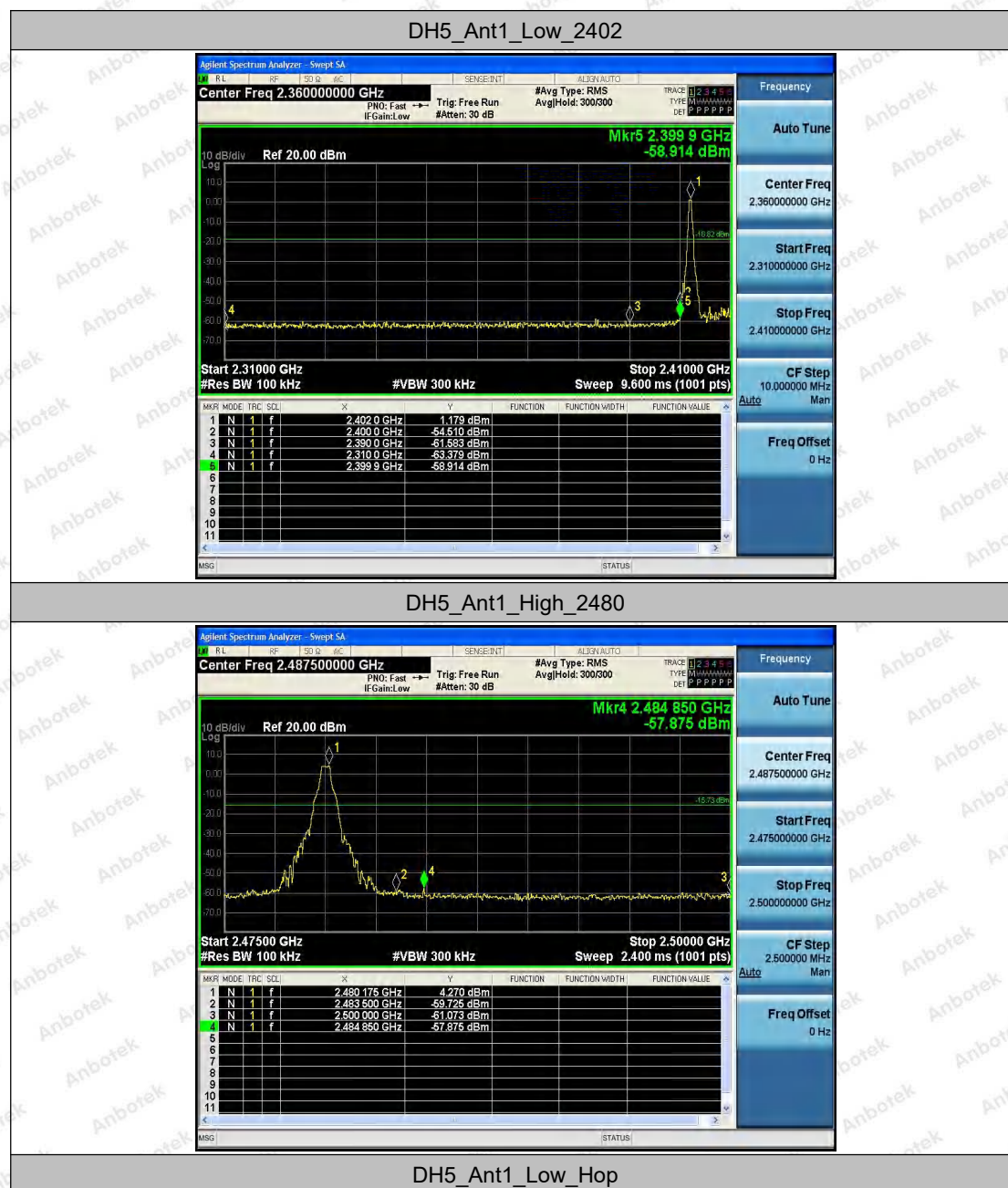
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Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.18	-58.91	≤-18.82	PASS
		High	2480	4.27	-57.88	≤-15.73	PASS
		Low	Hop	0.77	-59.36	≤-19.23	PASS
		High	Hop	3.36	-62.64	≤-16.64	PASS
2DH5	Ant1	Low	2402	-1.03	-52.9	≤-21.03	PASS
		High	2480	1.87	-57.77	≤-18.13	PASS
		Low	Hop	-1.06	-58.76	≤-21.06	PASS
		High	Hop	0.86	-63.26	≤-19.14	PASS
3DH5	Ant1	Low	2402	-1.75	-52.81	≤-21.75	PASS
		High	2480	1.78	-58.81	≤-18.22	PASS
		Low	Hop	-2.45	-60	≤-22.45	PASS
		High	Hop	0.76	-63.59	≤-19.24	PASS

Test Graphs

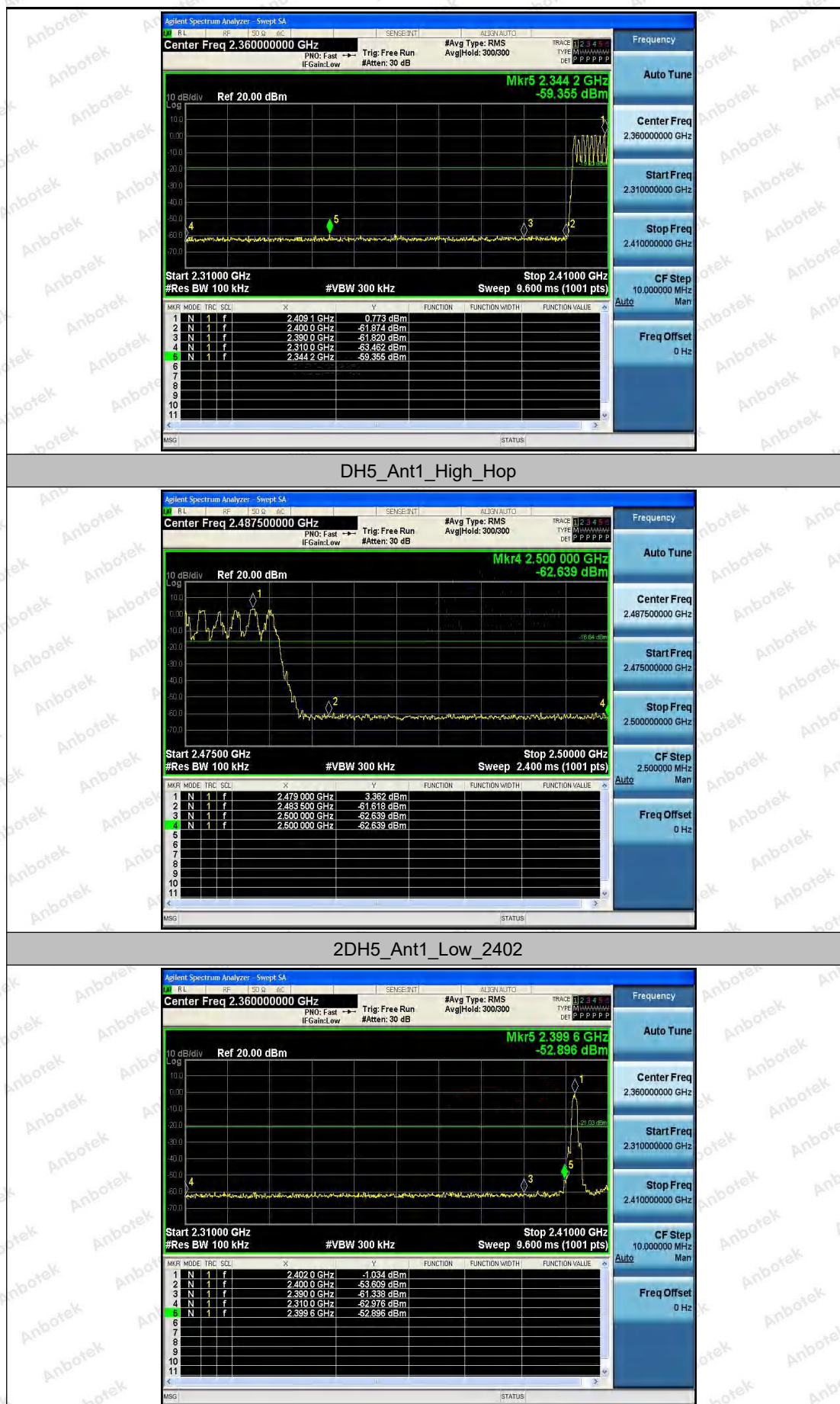


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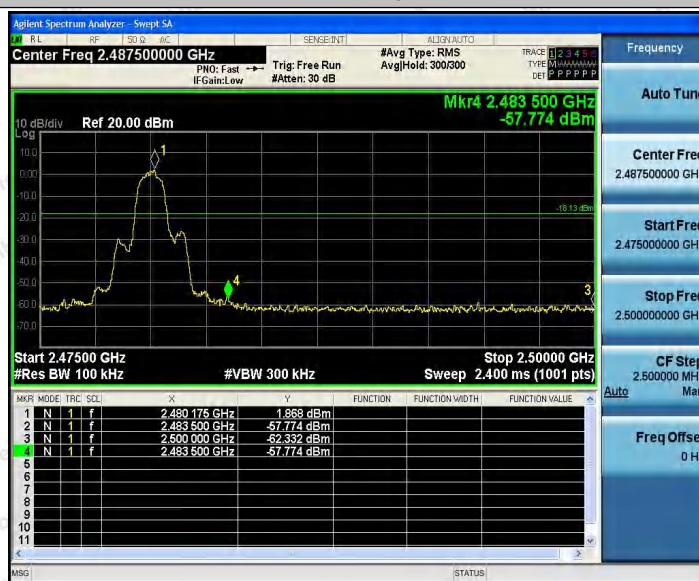
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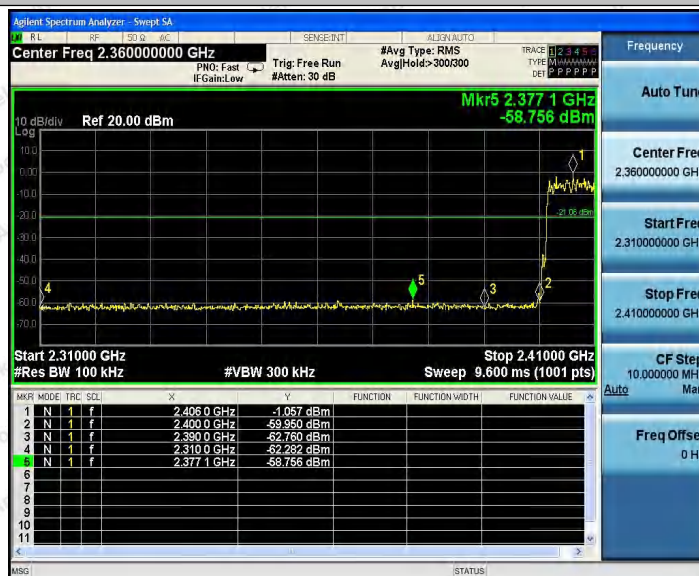
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



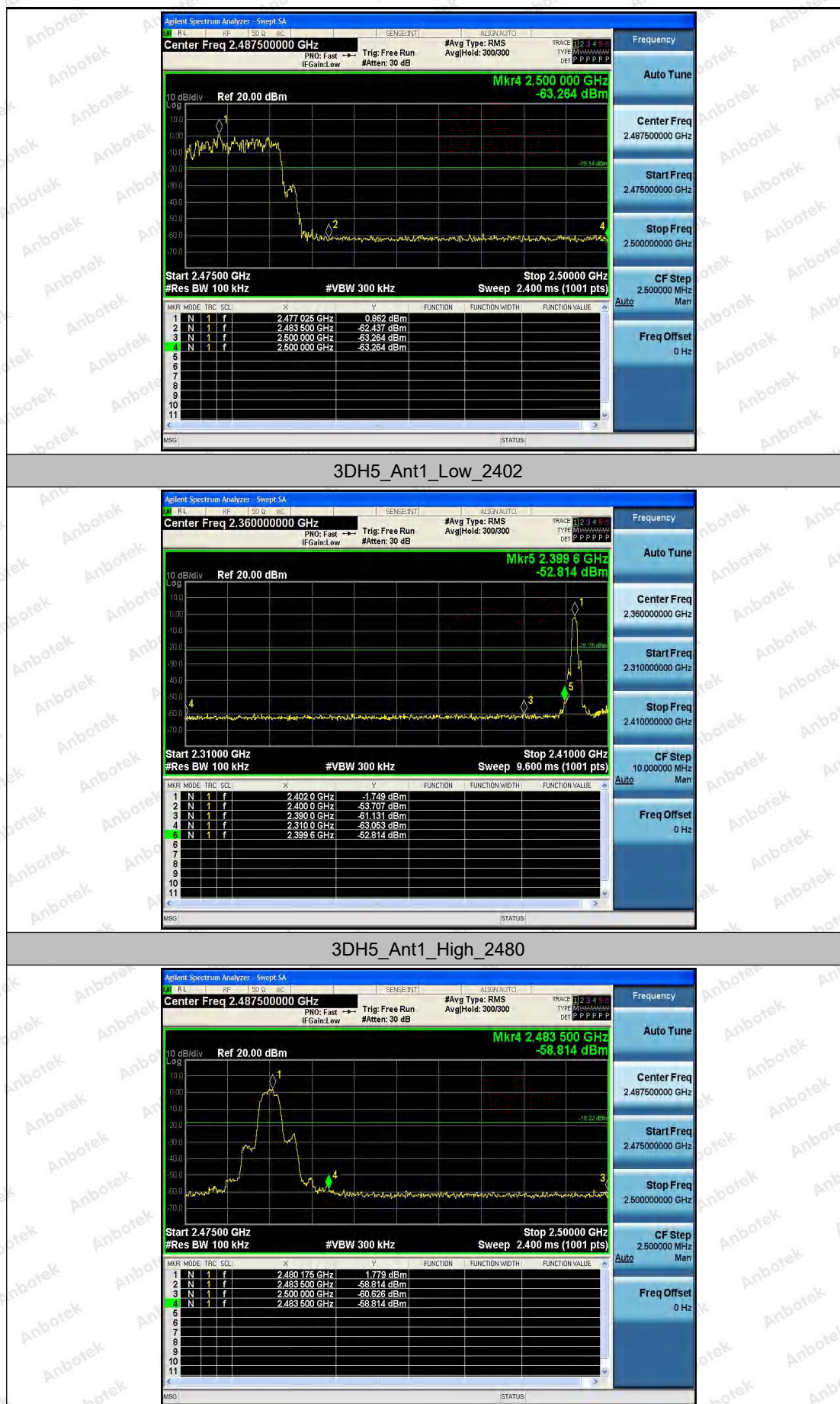
2DH5_Ant1_High_Hop

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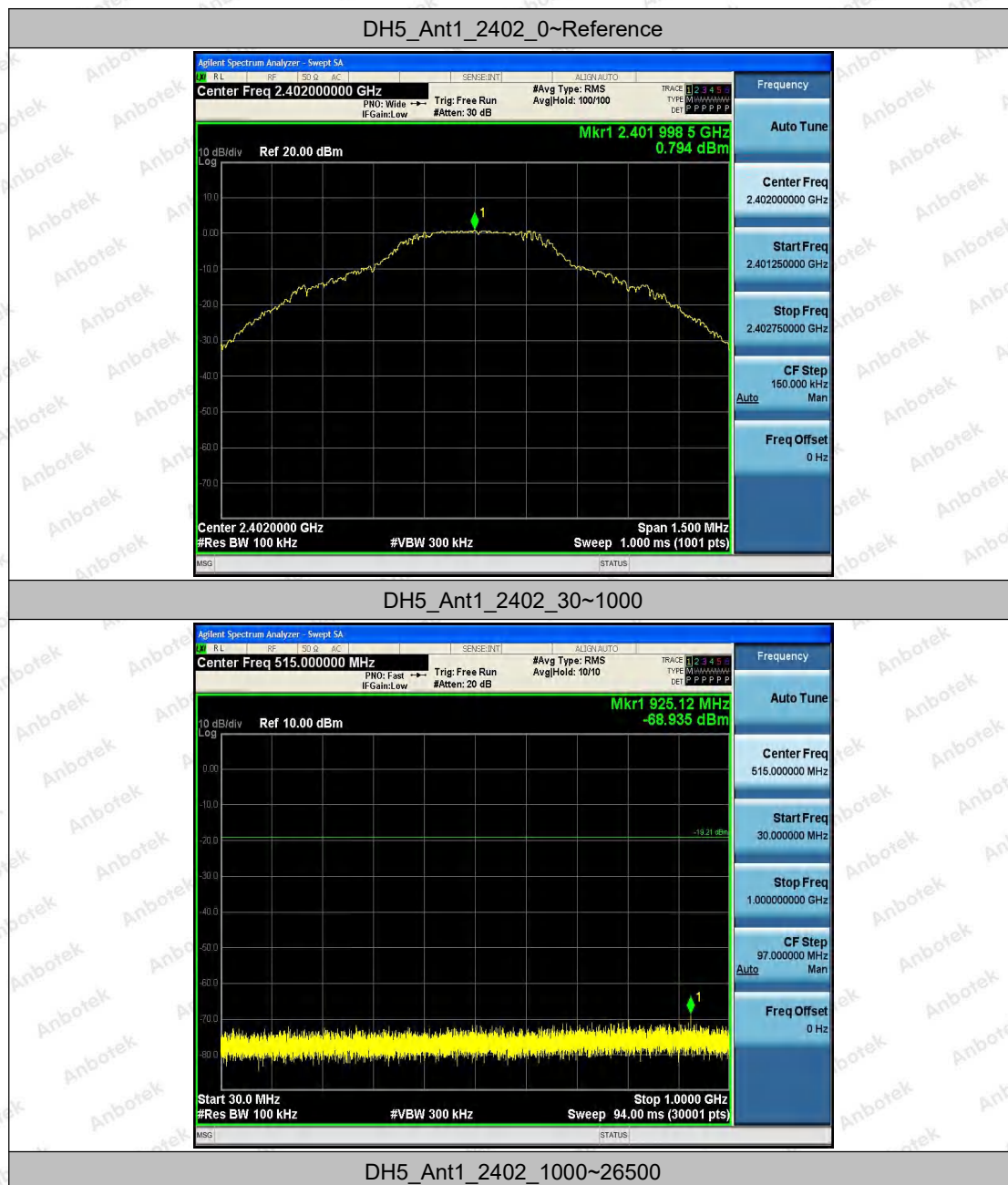
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Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-68.94	≤-19.21	PASS
			1000~26500	0.79	-54.68	≤-19.21	PASS
		2441	Reference	1.92	1.92	---	PASS
			30~1000	1.92	-69.91	≤-18.08	PASS
			1000~26500	1.92	-54.93	≤-18.08	PASS
		2480	Reference	3.67	3.67	---	PASS
			30~1000	3.67	-69.5	≤-16.33	PASS
			1000~26500	3.67	-55.18	≤-16.33	PASS
2DH5	Ant1	2402	Reference	-1.30	-1.30	---	PASS
			30~1000	-1.30	-69.25	≤-21.3	PASS
			1000~26500	-1.30	-54.45	≤-21.3	PASS
		2441	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-71.15	≤-19.99	PASS
			1000~26500	0.01	-55.29	≤-19.99	PASS
		2480	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-69.95	≤-18.79	PASS
			1000~26500	1.21	-55.9	≤-18.79	PASS
3DH5	Ant1	2402	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-70.22	≤-20.85	PASS
			1000~26500	-0.85	-55.73	≤-20.85	PASS
		2441	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-69.73	≤-19.9	PASS
			1000~26500	0.10	-55.63	≤-19.9	PASS
		2480	Reference	1.73	1.73	---	PASS
			30~1000	1.73	-69.85	≤-18.27	PASS
			1000~26500	1.73	-55.31	≤-18.27	PASS

Test Graphs



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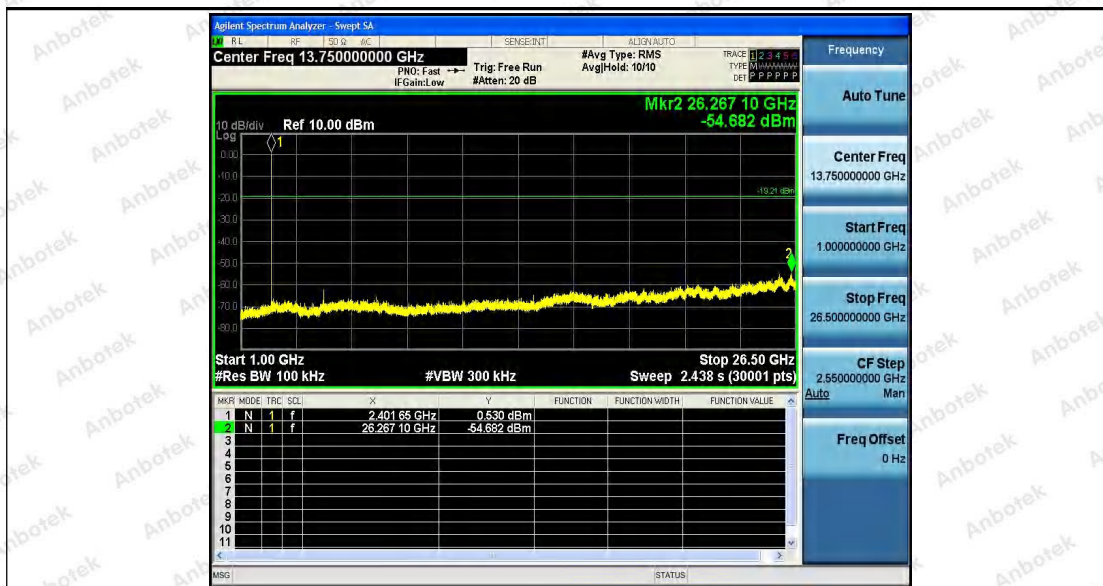
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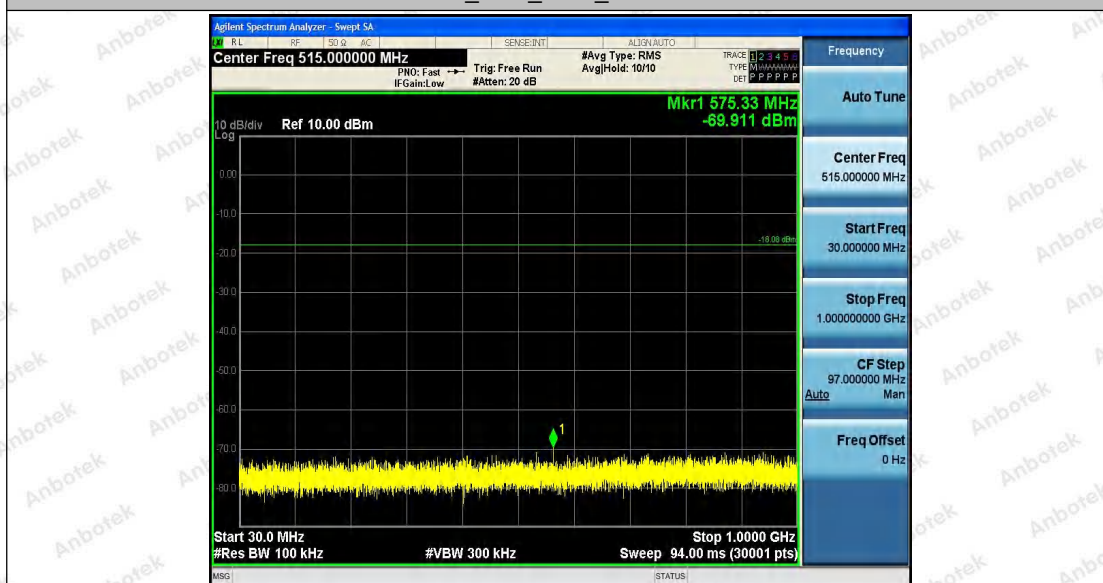
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



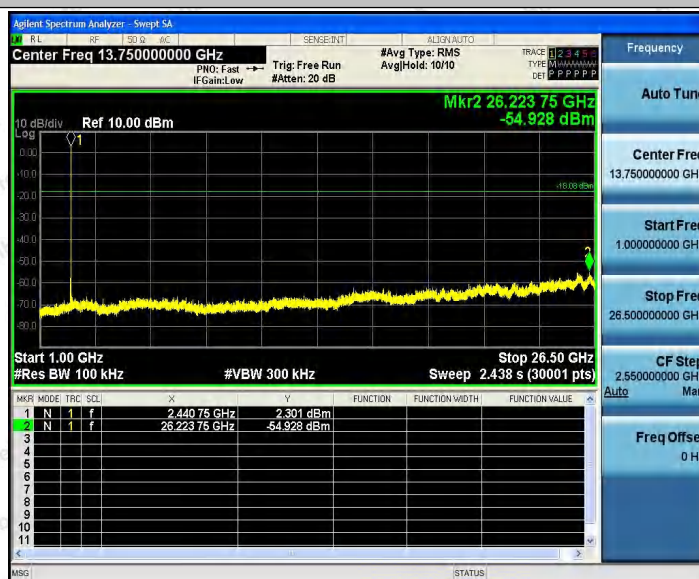
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



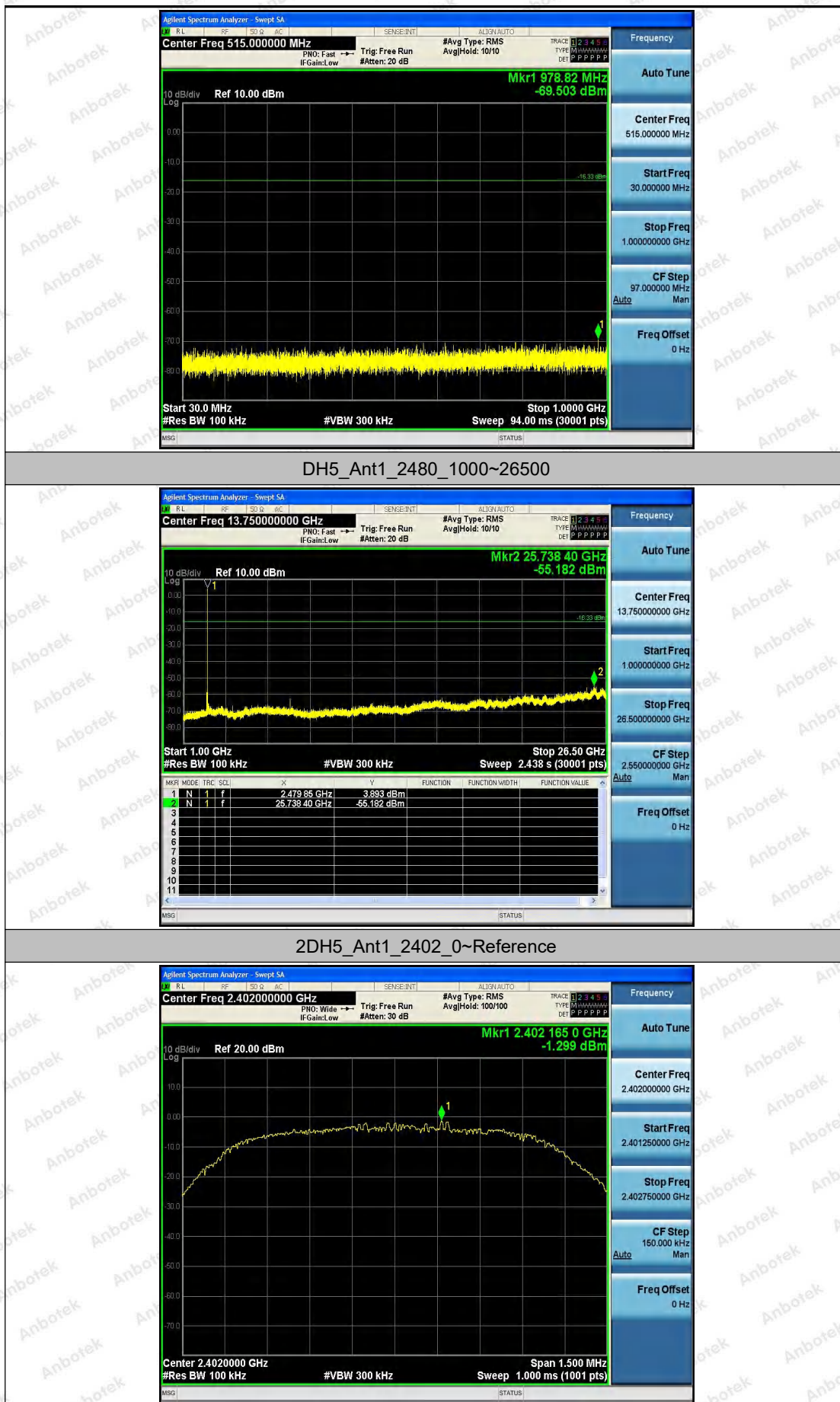
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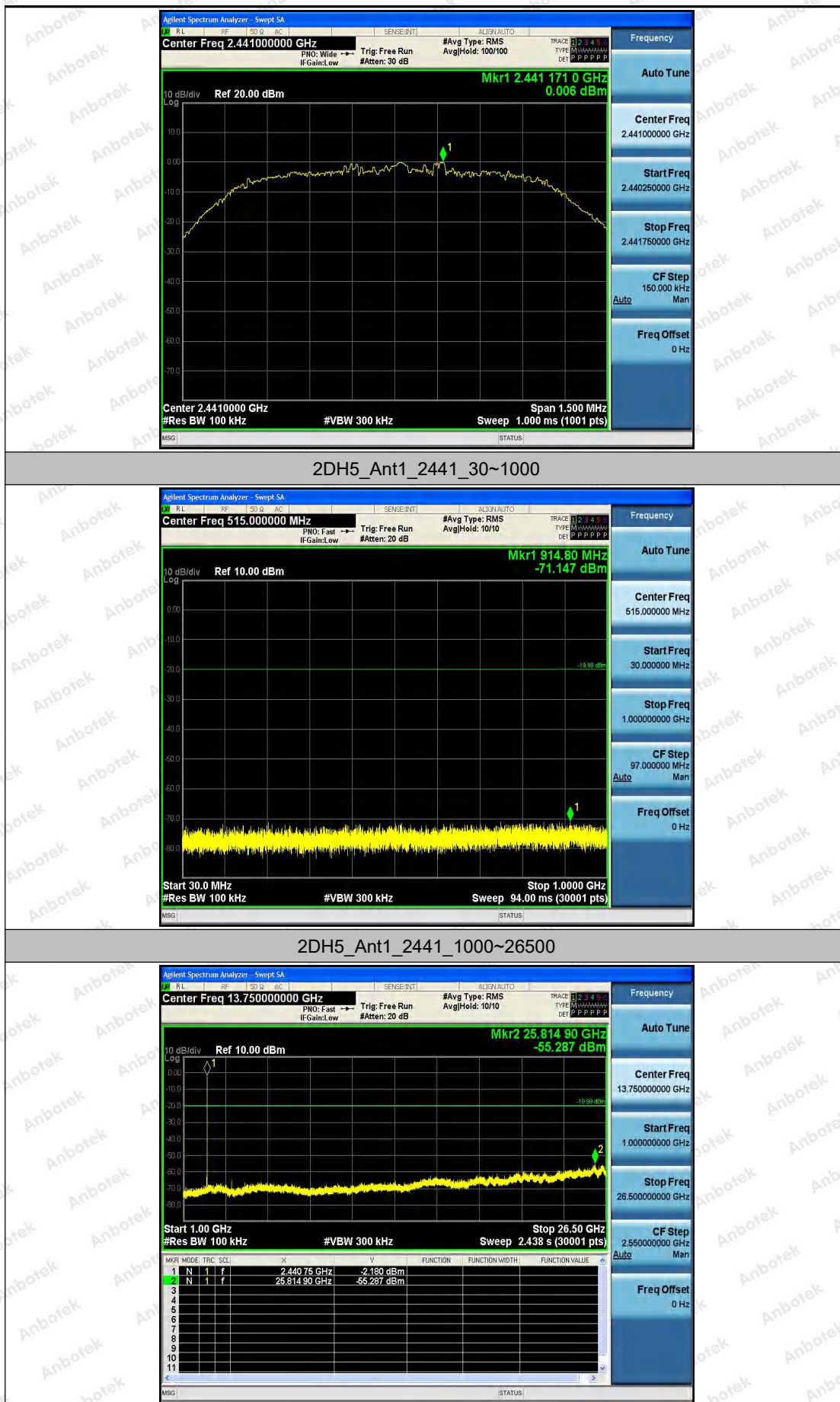
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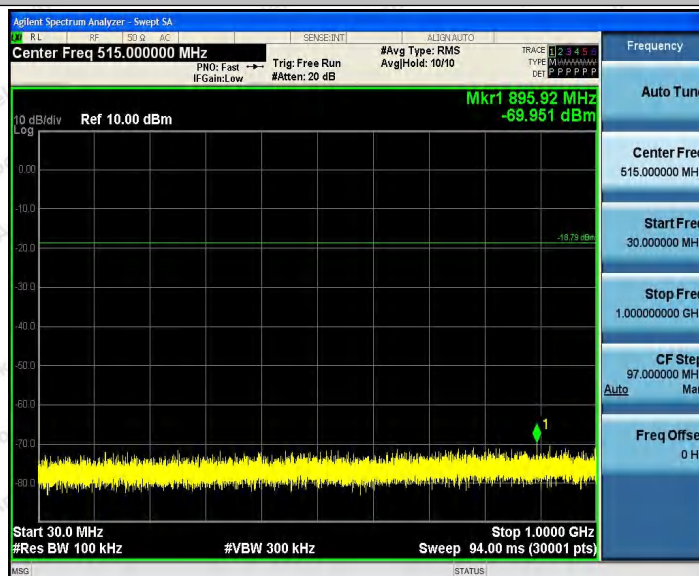
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



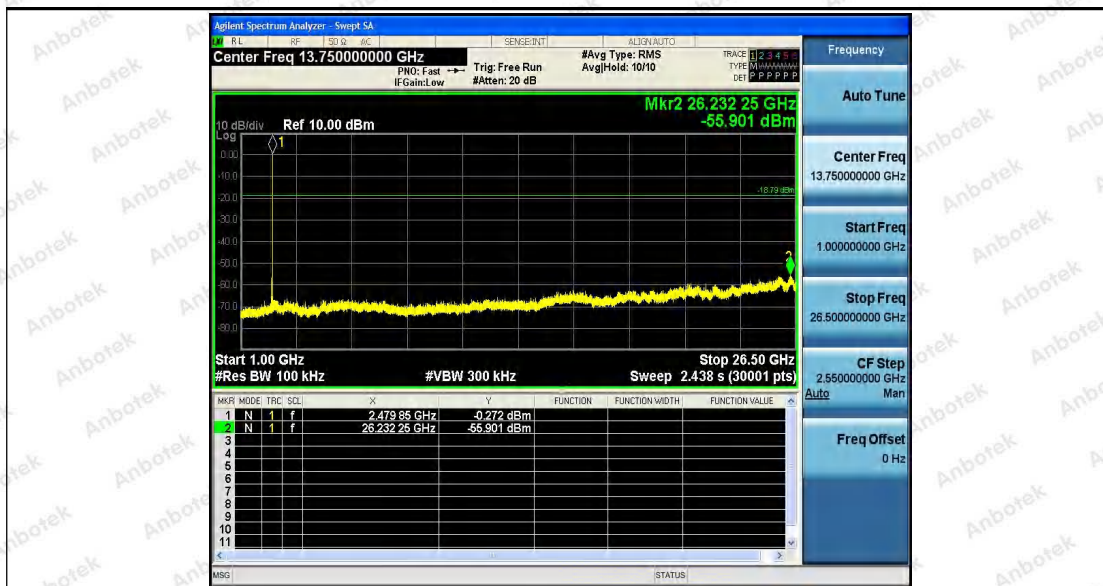
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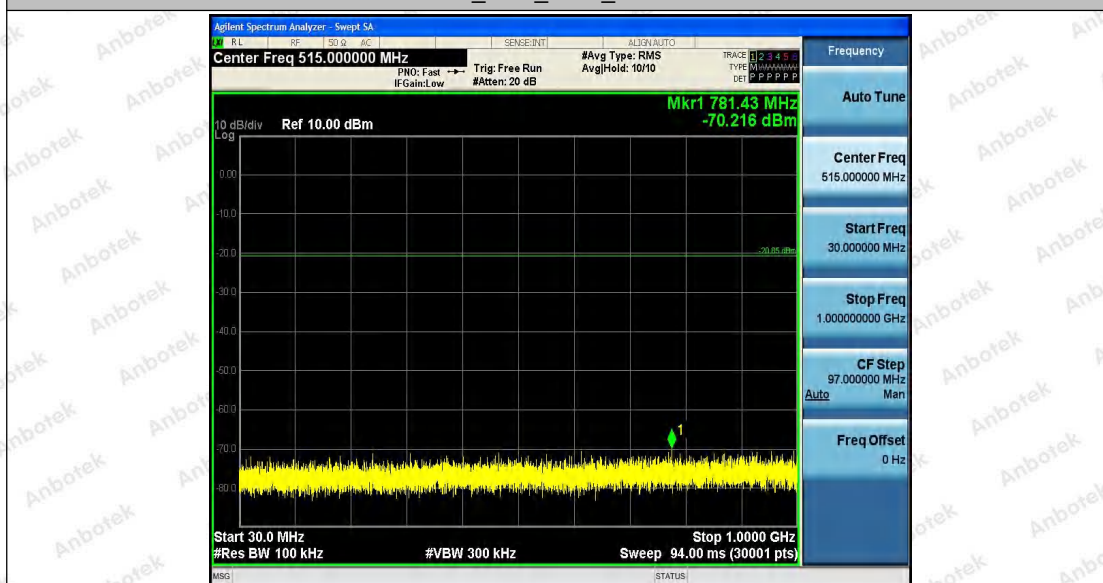
Hotline
400-003-0500
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3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



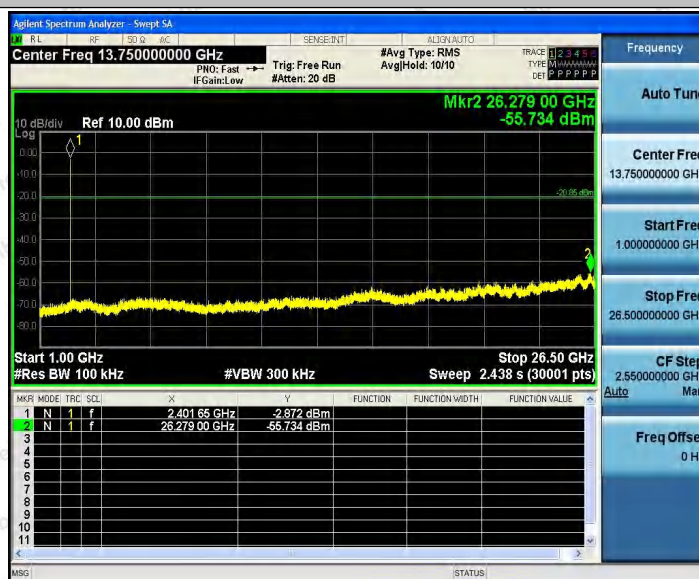
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3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



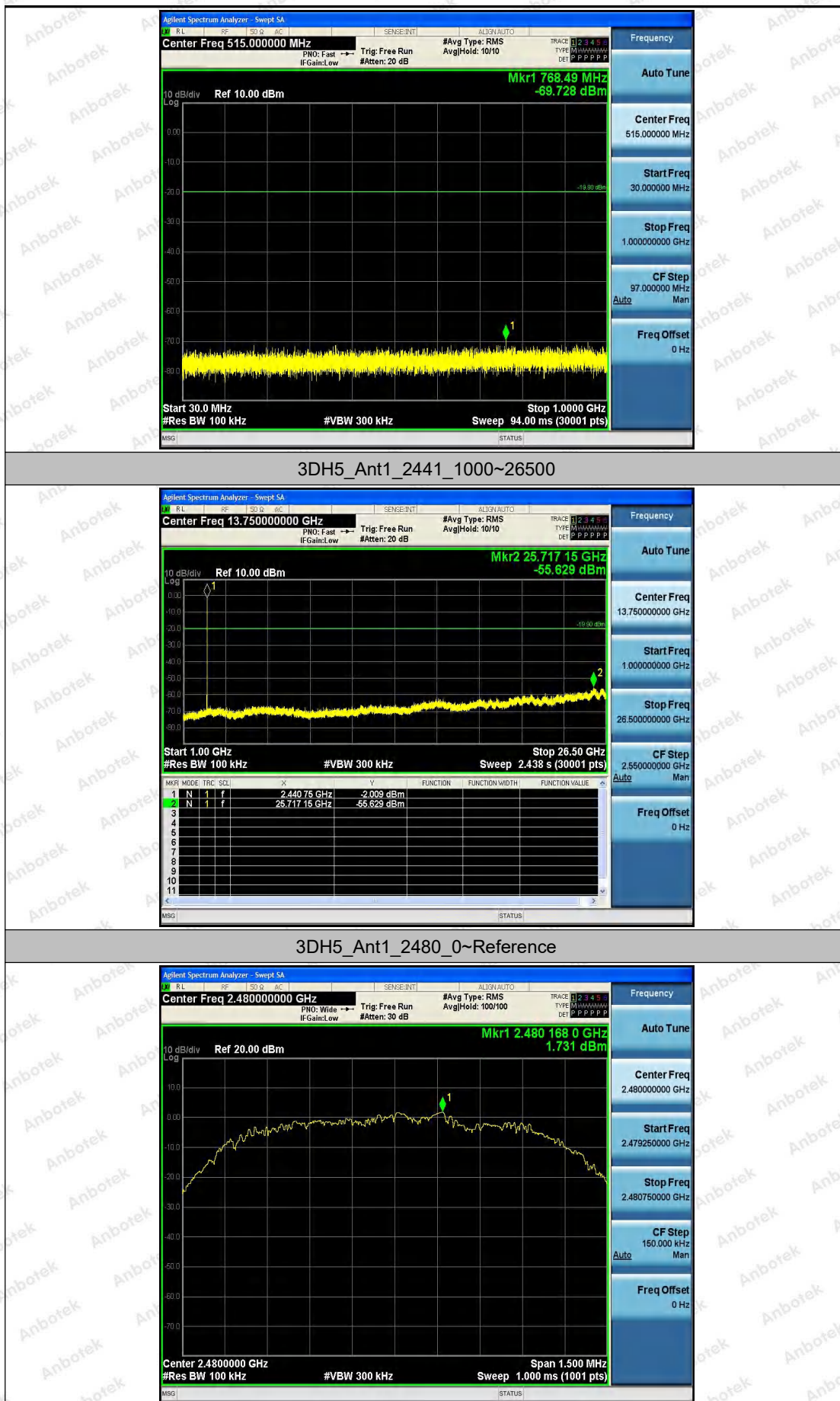
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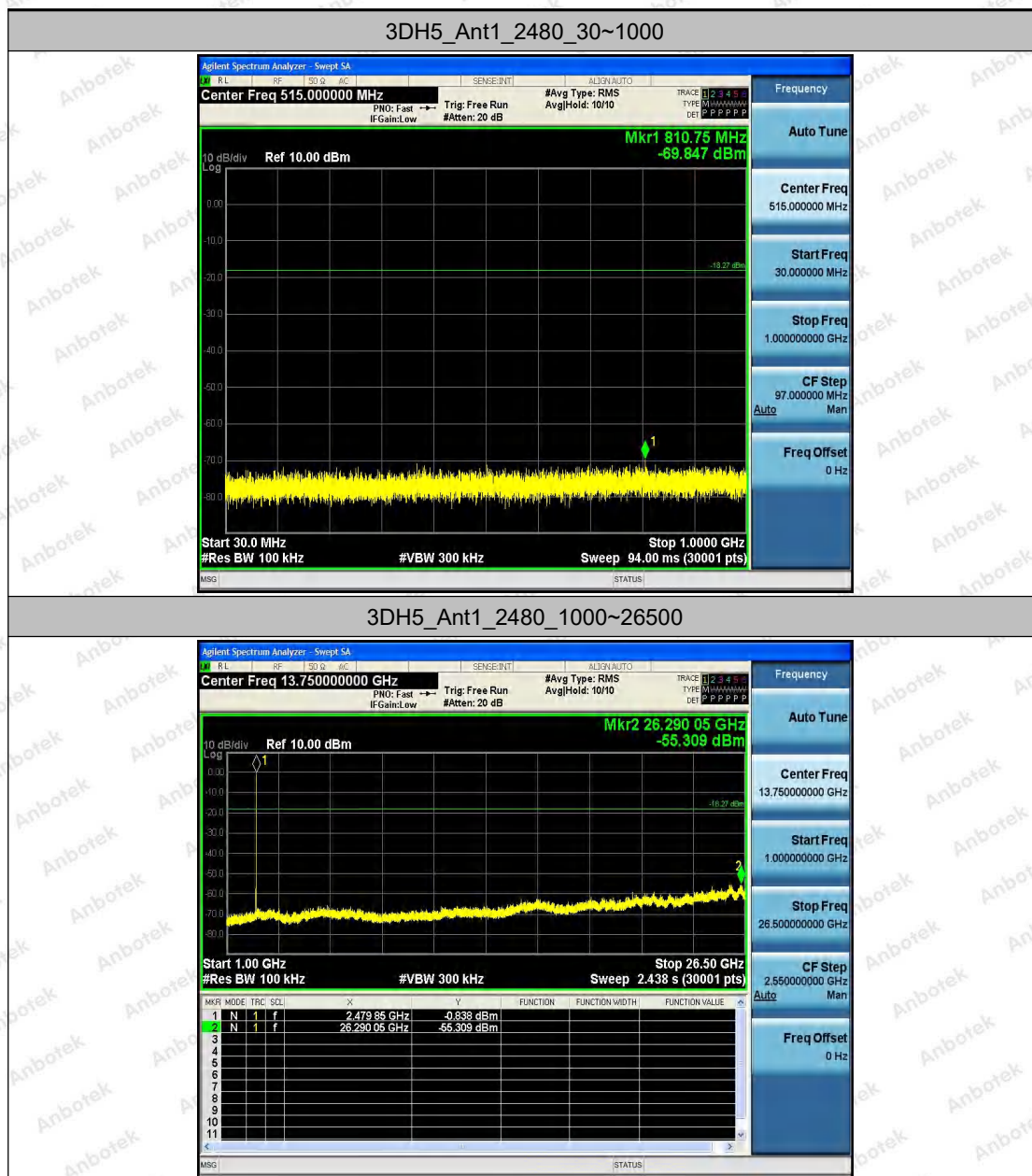


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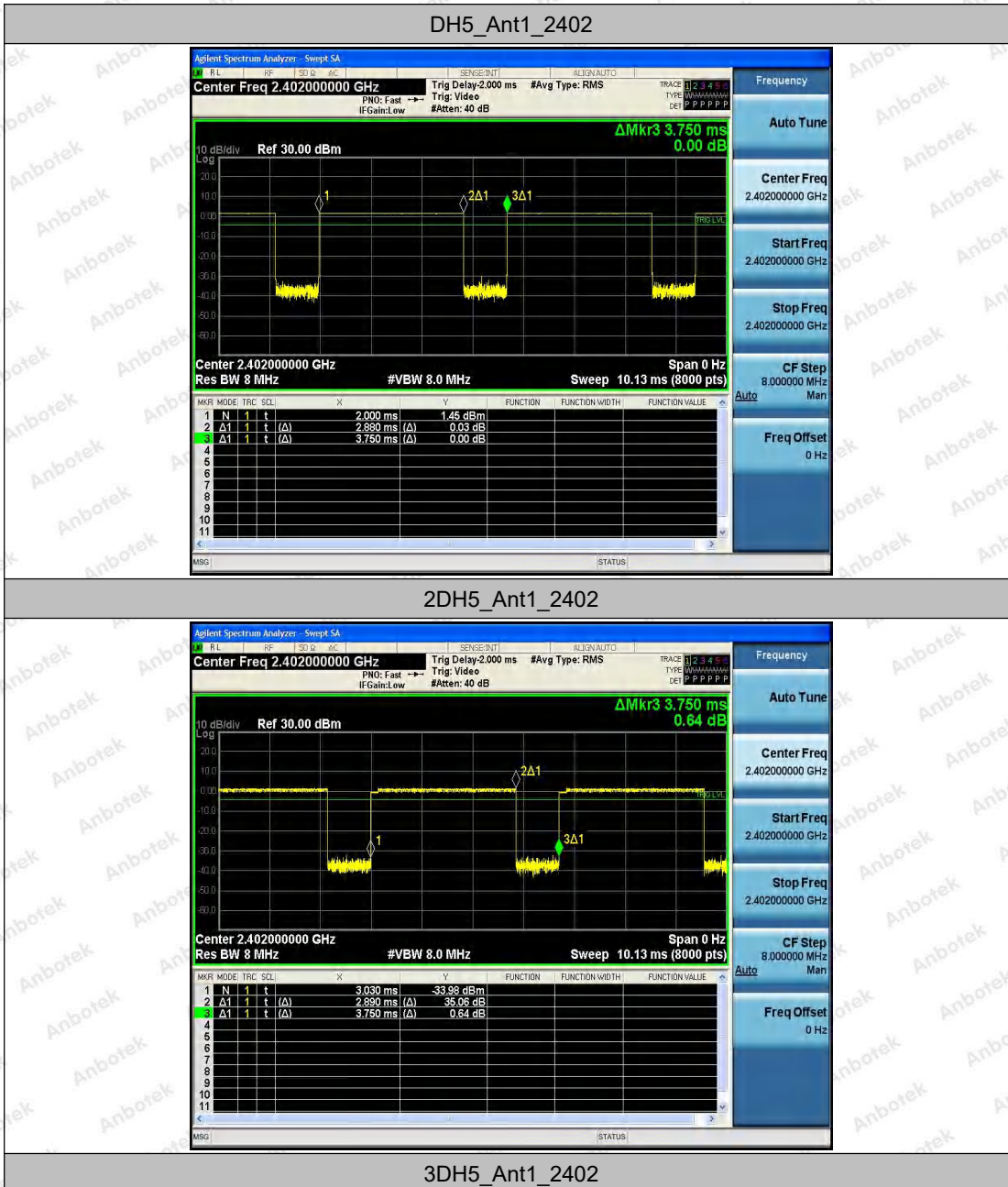
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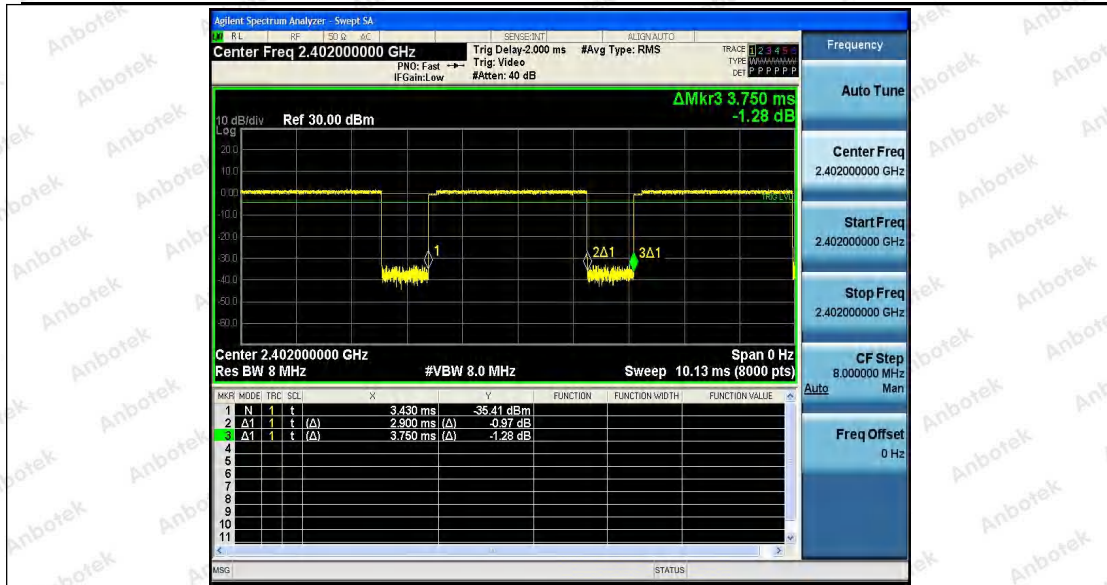
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
DH5	Ant1	2402	2.88	3.75	0.7680	76.80	1.15	---	PASS
2DH5	Ant1	2402	2.89	3.75	0.7707	77.07	1.13	---	PASS
3DH5	Ant1	2402	2.90	3.75	0.7733	77.33	1.12	---	PASS

Test Graphs





---End---