

Appendix Test Data

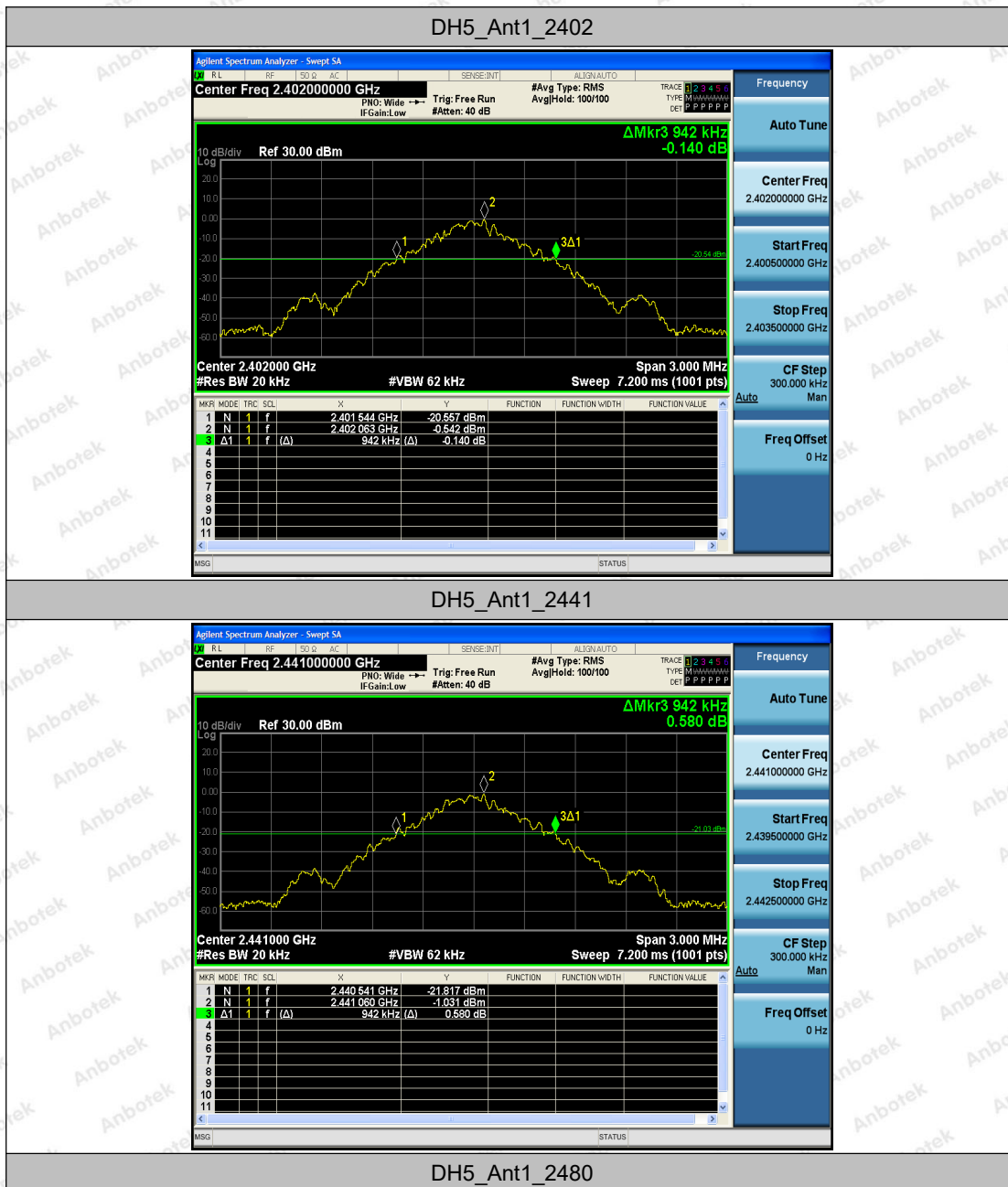
Report No.:	18220WC20023801	Test Sample No.:	1-2-2
Start Test Date:	2022.2.18	Finish Test Date:	2022.2.22
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	56 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.544	2402.486	---	PASS
		2441	0.942	2440.541	2441.483	---	PASS
		2480	0.945	2479.541	2480.486	---	PASS
2DH5	Ant1	2402	1.329	2401.337	2402.666	---	PASS
		2441	1.269	2440.364	2441.633	---	PASS
		2480	1.323	2479.337	2480.660	---	PASS
3DH5	Ant1	2402	1.257	2401.364	2402.621	---	PASS
		2441	1.314	2440.346	2441.660	---	PASS
		2480	1.281	2479.349	2480.630	---	PASS

Test Graphs



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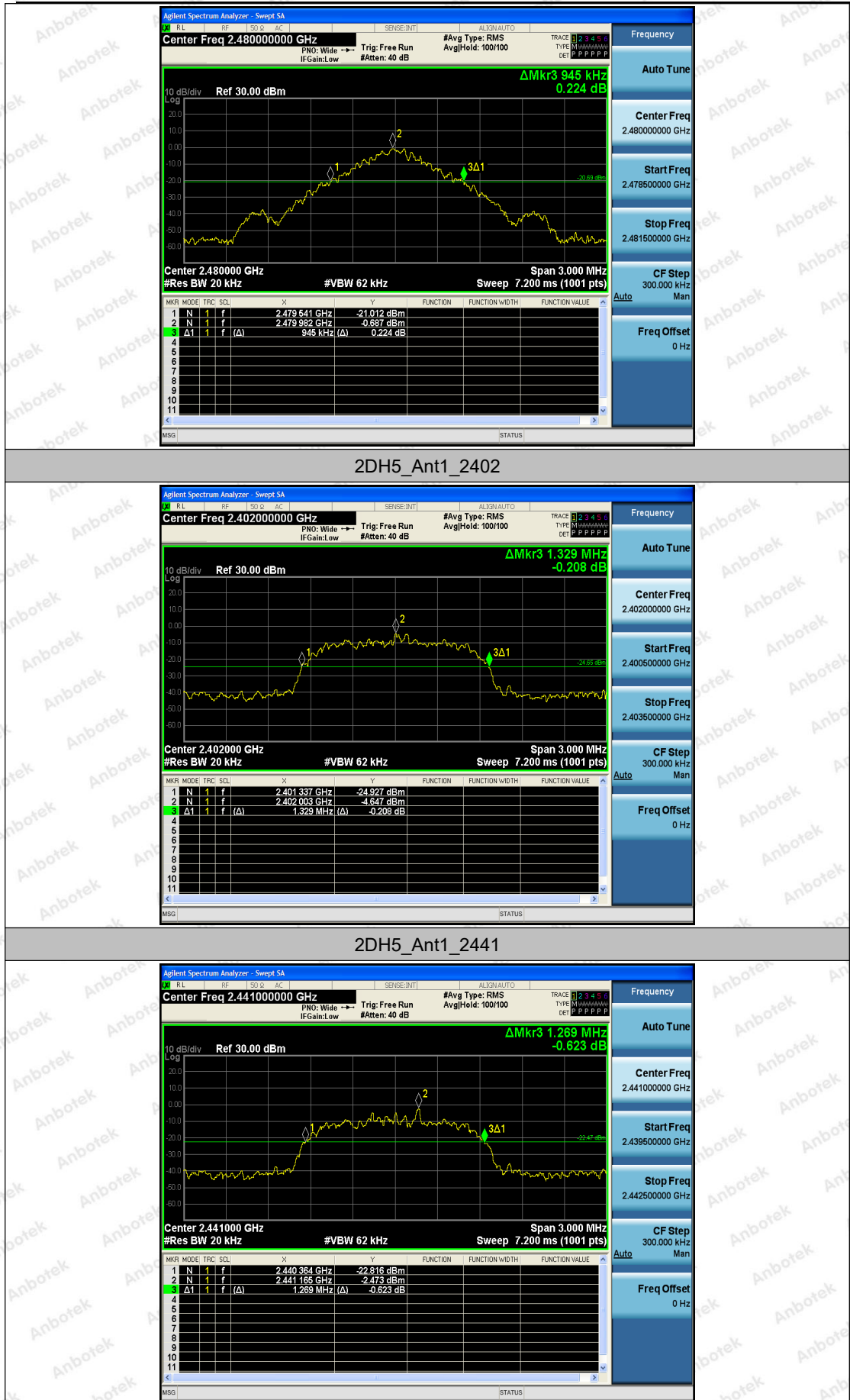
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2DH5_Ant1_2480



3DH5_Ant1_2402



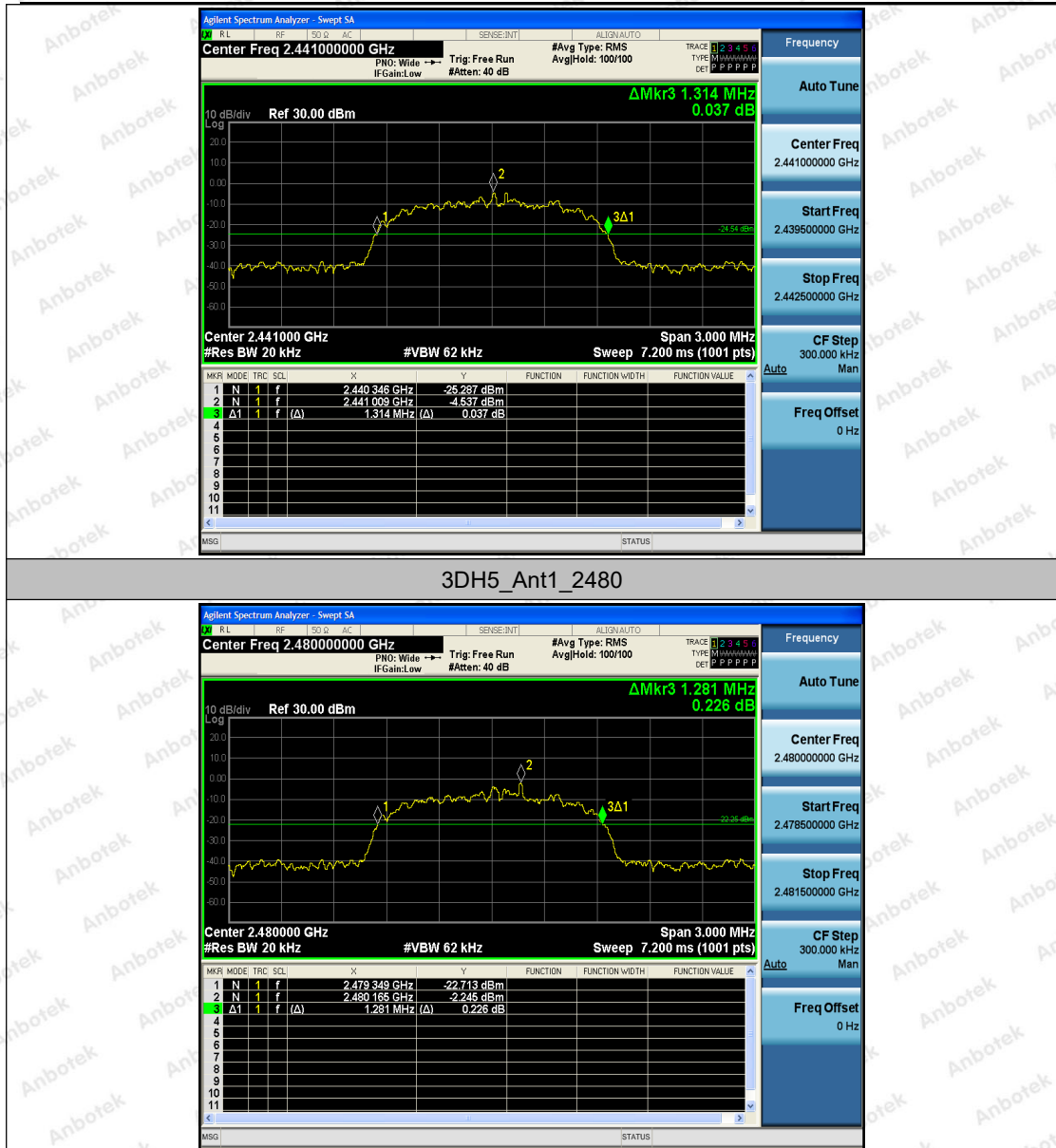
3DH5_Ant1_2441

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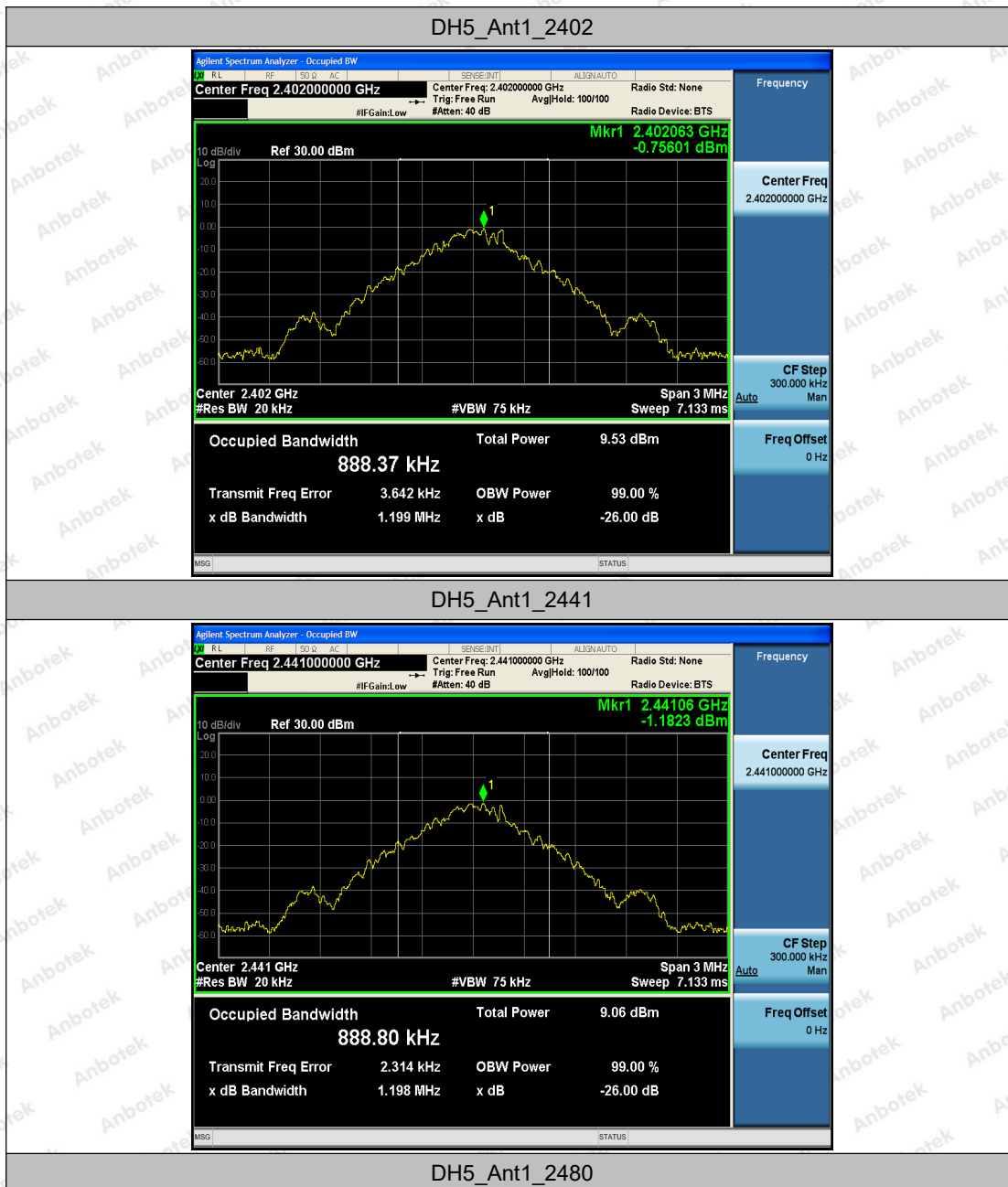
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88837	2401.559	2402.448	---	PASS
		2441	0.88880	2440.558	2441.447	---	PASS
		2480	0.88865	2479.558	2480.446	---	PASS
2DH5	Ant1	2402	1.1923	2401.405	2402.597	---	PASS
		2441	1.1916	2440.406	2441.598	---	PASS
		2480	1.1933	2479.403	2480.597	---	PASS
3DH5	Ant1	2402	1.2122	2401.385	2402.598	---	PASS
		2441	1.2098	2440.387	2441.597	---	PASS
		2480	1.2025	2479.392	2480.594	---	PASS

Test Graphs



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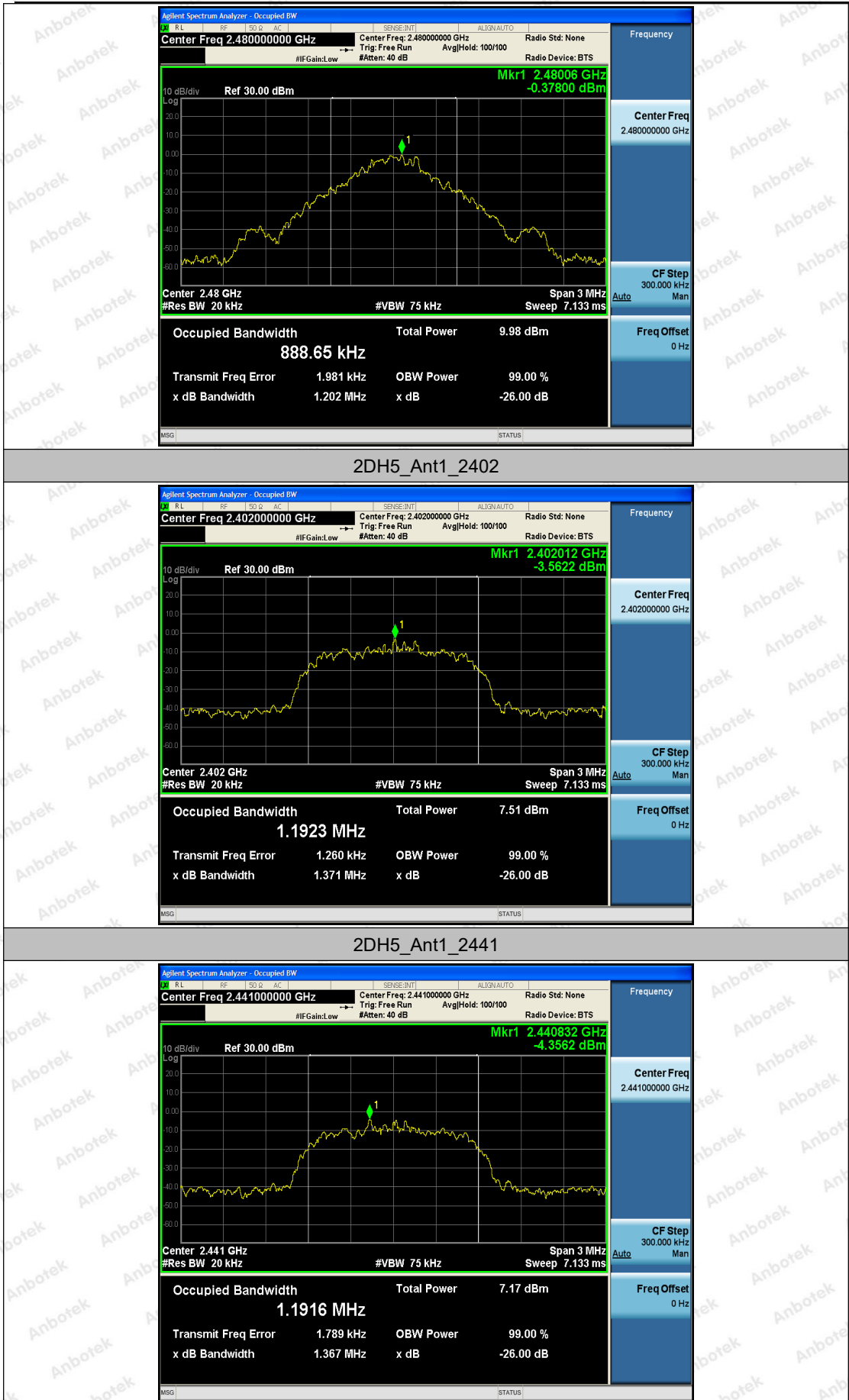
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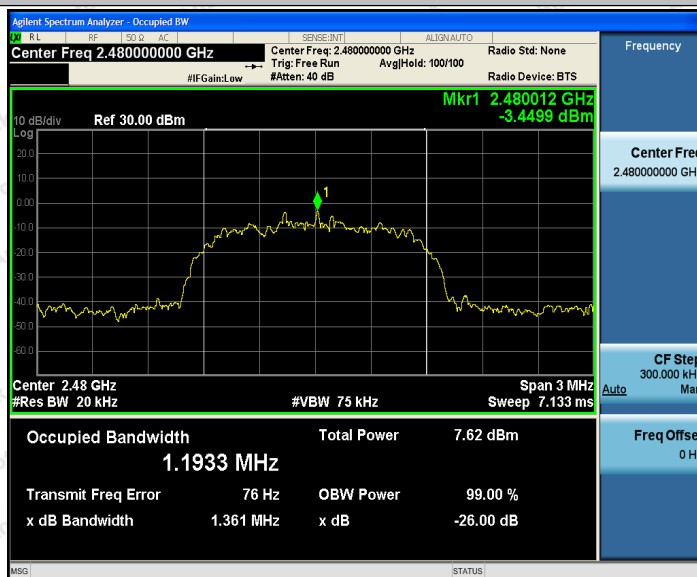
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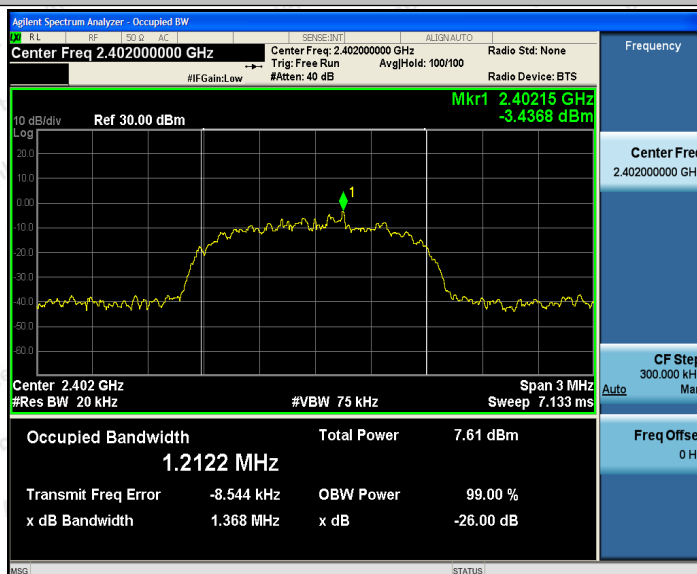
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2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

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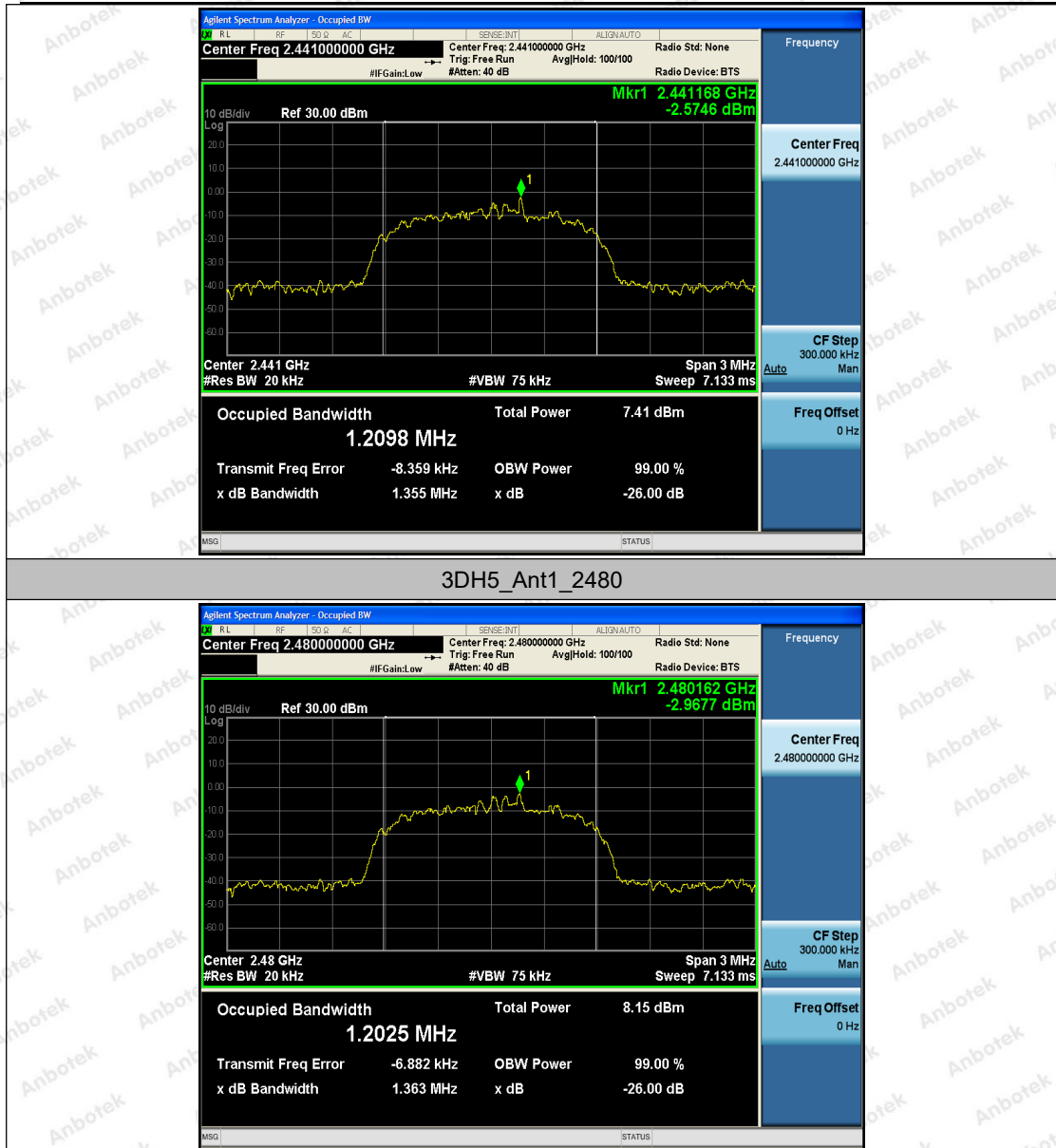
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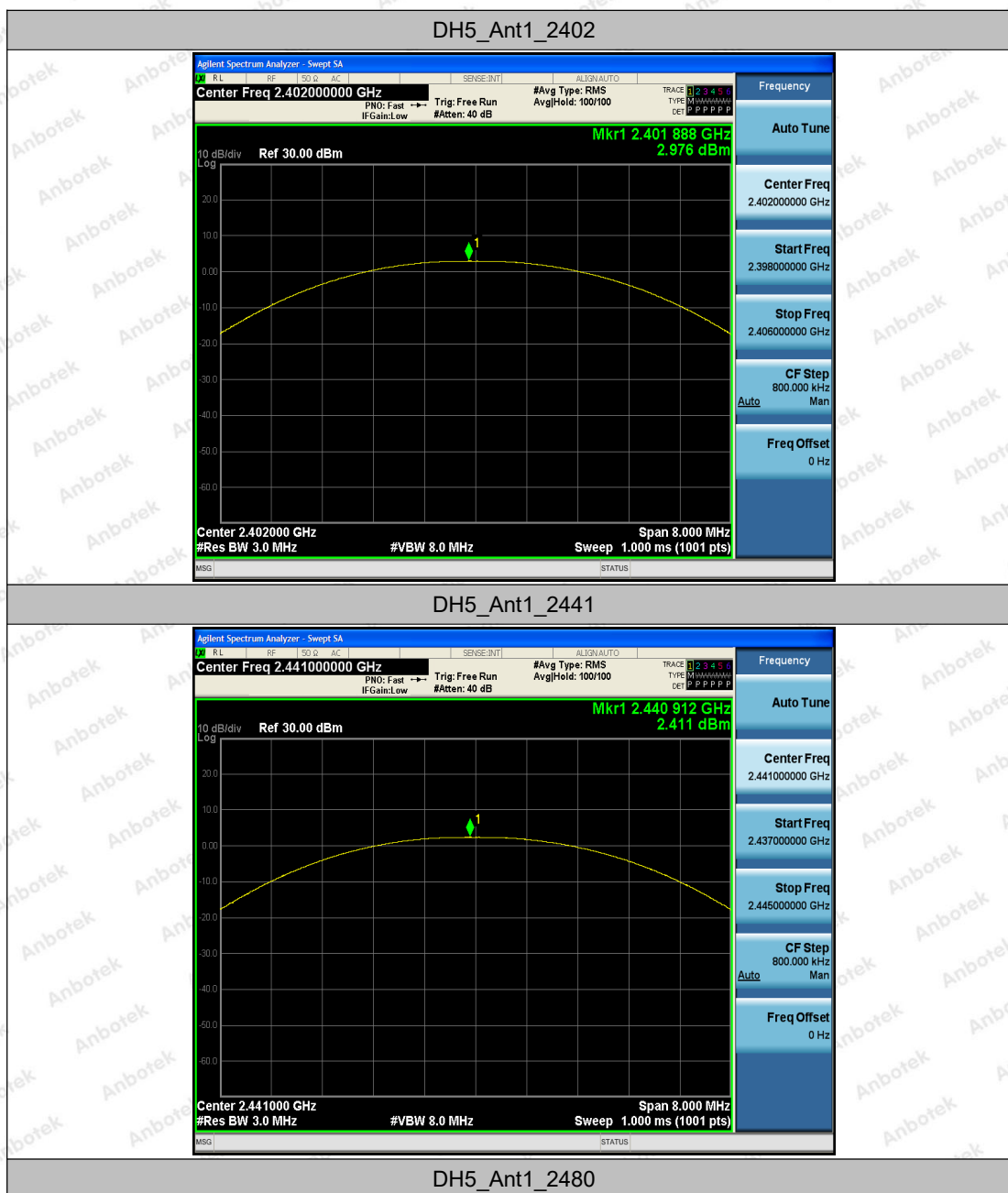
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.98	≤20.97	PASS
		2441	2.41	≤20.97	PASS
		2480	3.36	≤20.97	PASS
2DH5	Ant1	2402	2.3	≤20.97	PASS
		2441	1.77	≤20.97	PASS
		2480	2.56	≤20.97	PASS
3DH5	Ant1	2402	2.69	≤20.97	PASS
		2441	2.13	≤20.97	PASS
		2480	2.98	≤20.97	PASS

Test Graphs





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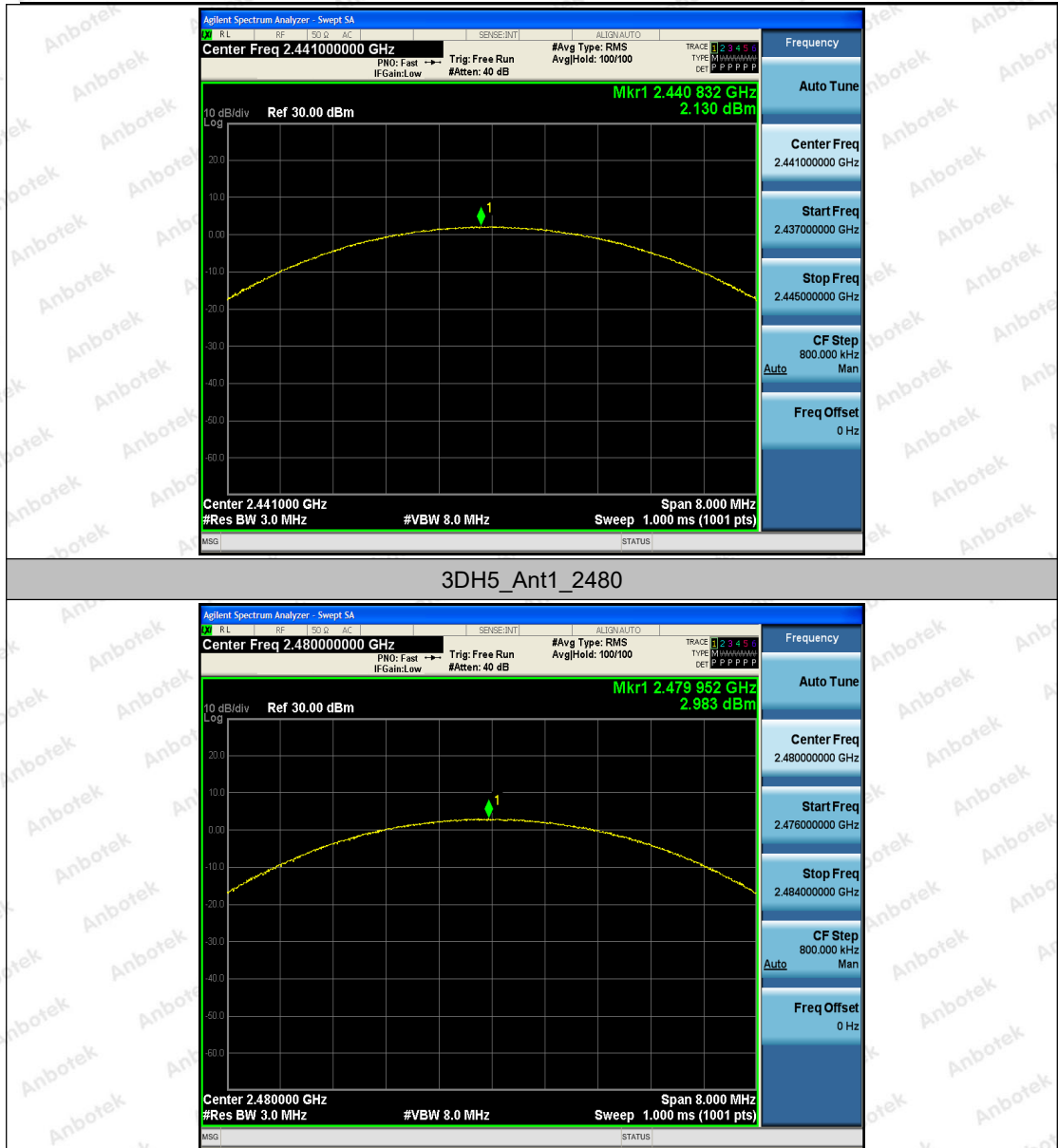


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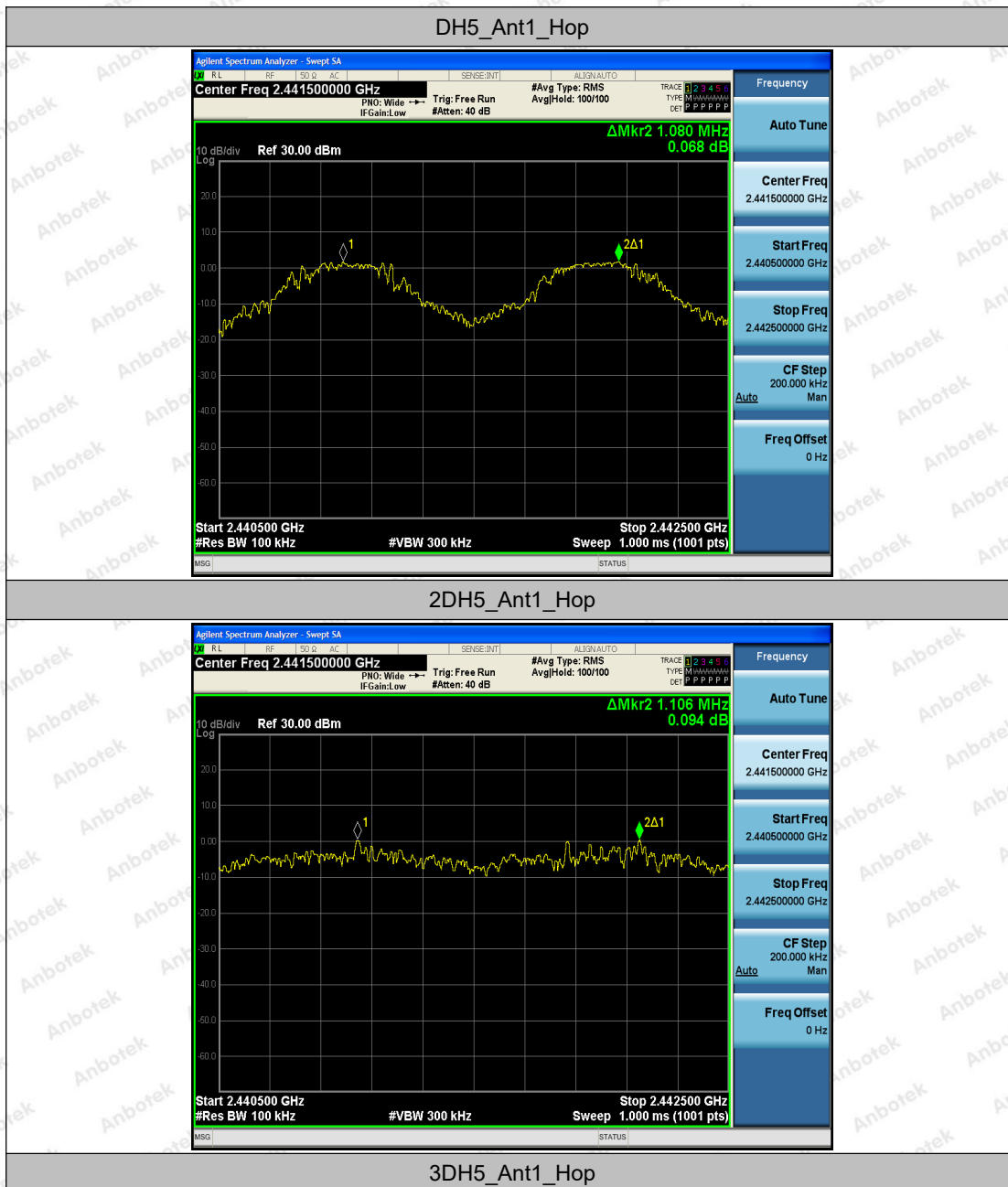
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.08	≥ 0.945	PASS
2DH5	Ant1	Hop	1.106	≥ 0.886	PASS
3DH5	Ant1	Hop	1.166	≥ 0.876	PASS

Test Graphs



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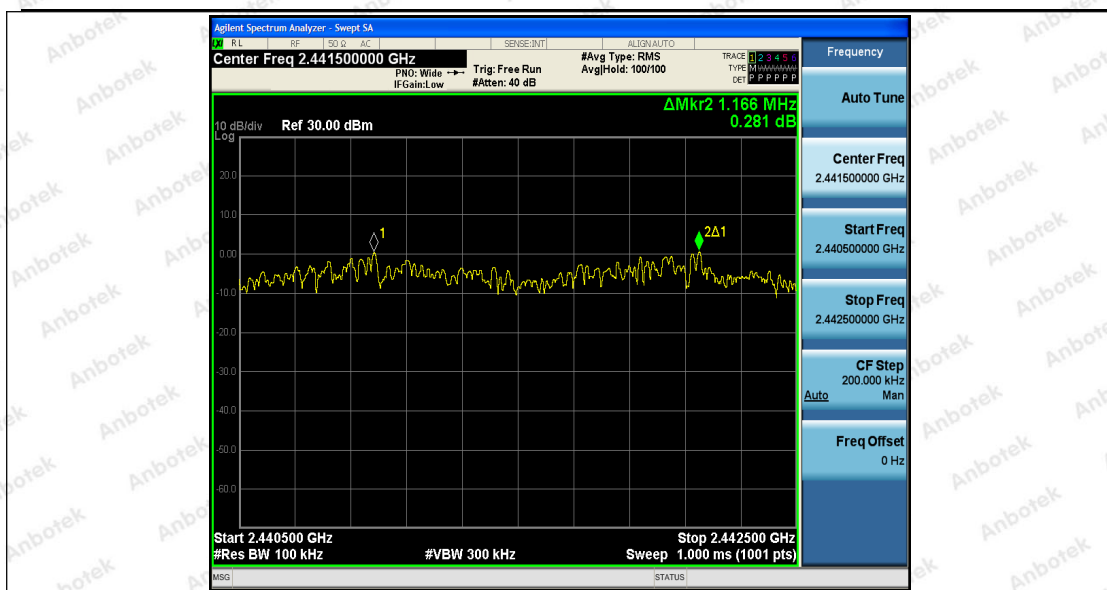
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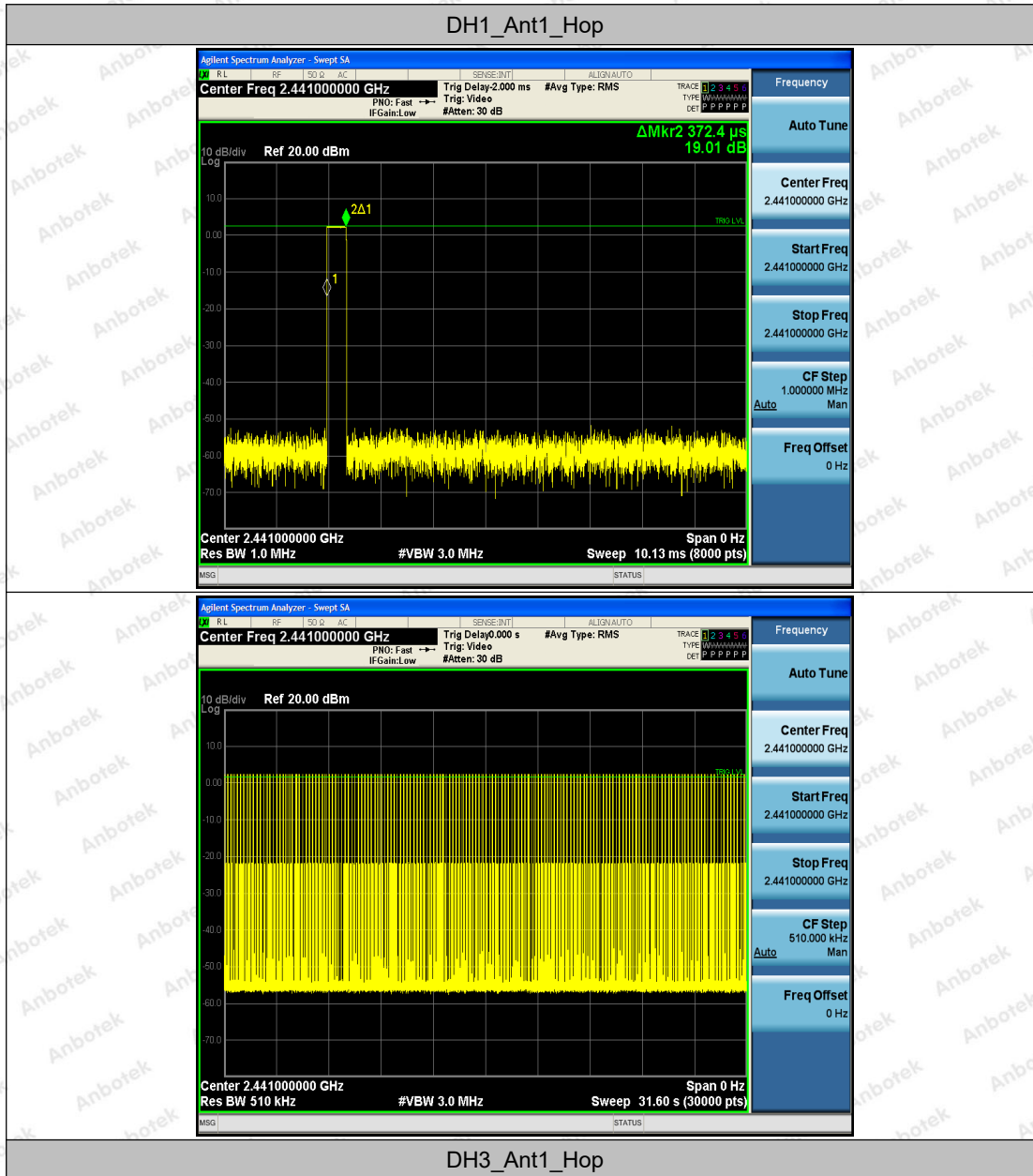
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	314	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.63	157	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.88	98	0.282	≤0.4	PASS
2DH1	Ant1	Hop	0.38	314	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.63	157	0.256	≤0.4	PASS
2DH5	Ant1	Hop	2.88	104	0.299	≤0.4	PASS
3DH1	Ant1	Hop	0.38	314	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.63	158	0.258	≤0.4	PASS
3DH5	Ant1	Hop	2.88	97	0.28	≤0.4	PASS

Test Graphs

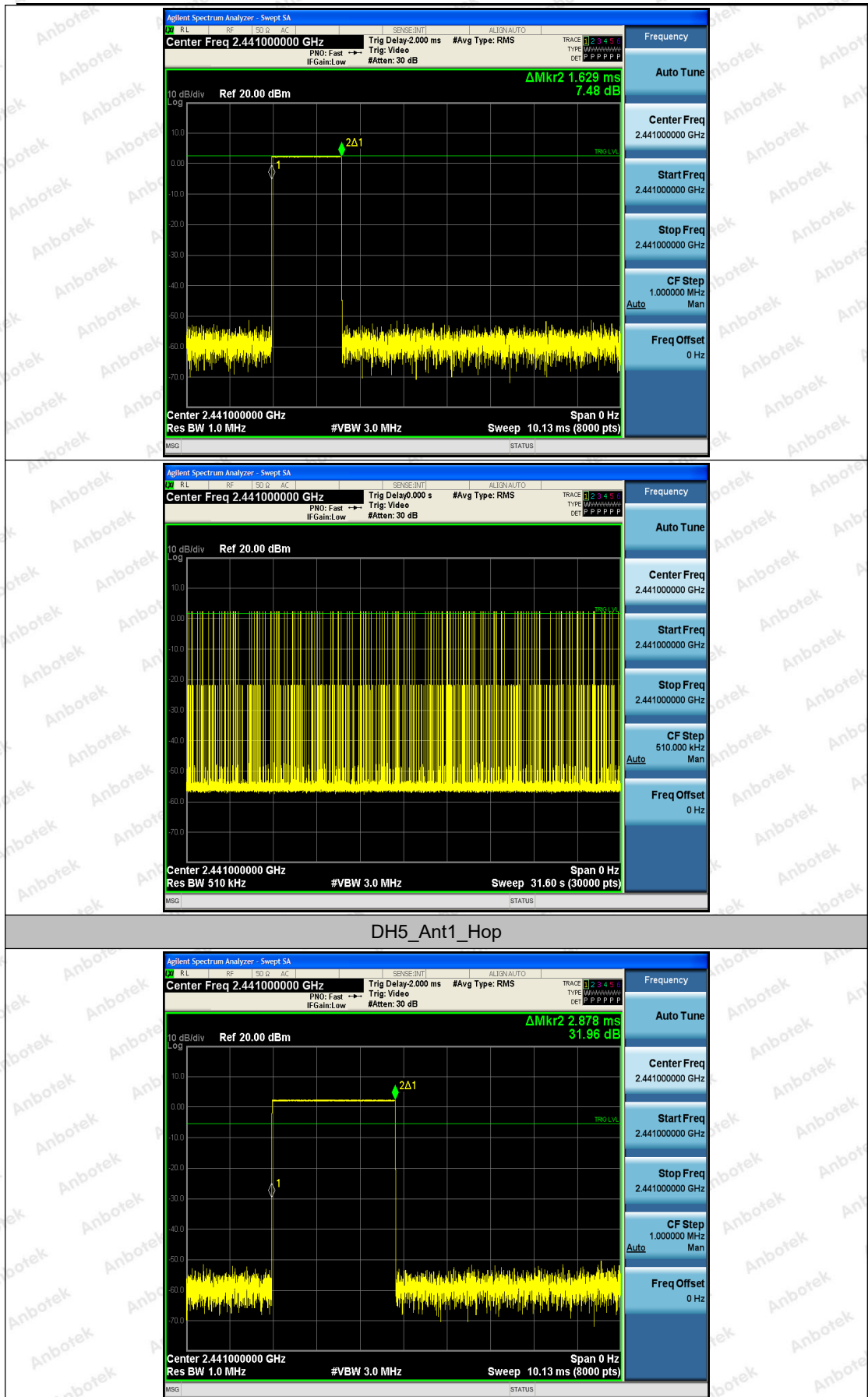


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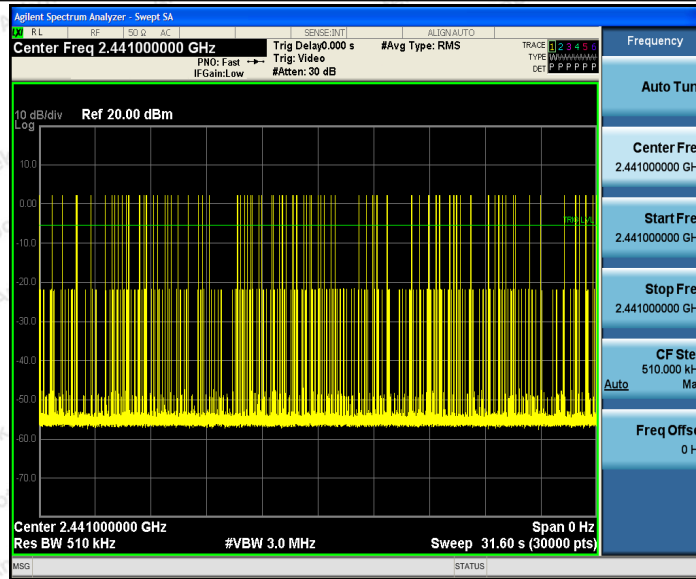
DH5_Ant1_Hop

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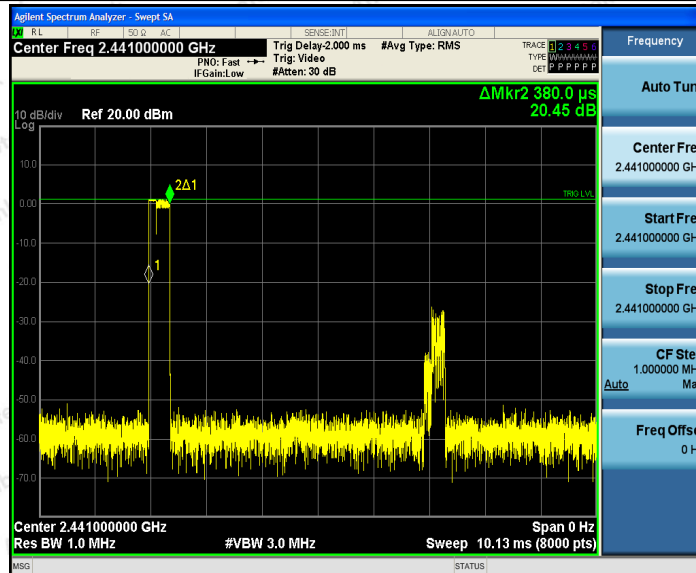
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2DH1_Ant1_Hop



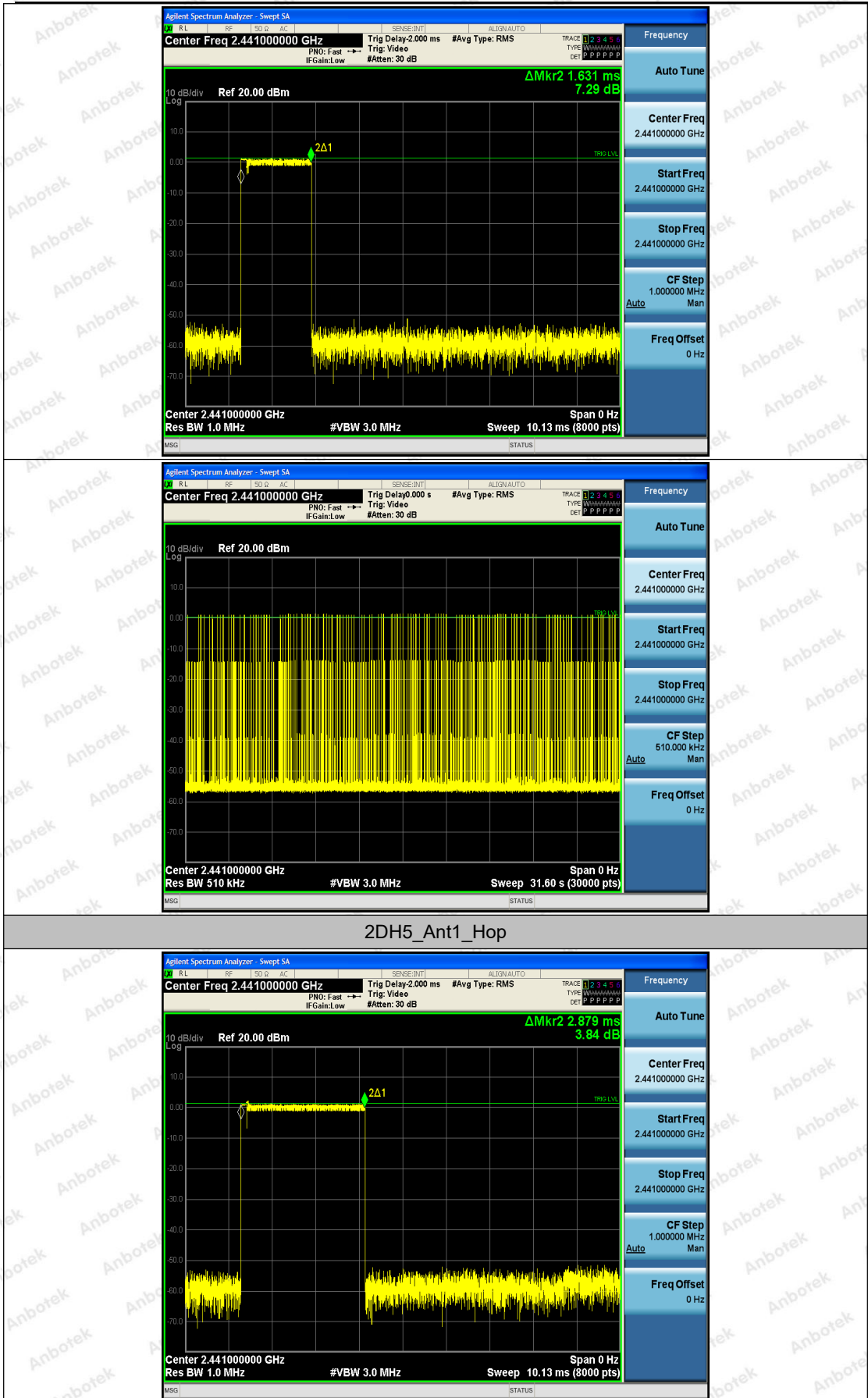
2DH3_Ant1_Hop

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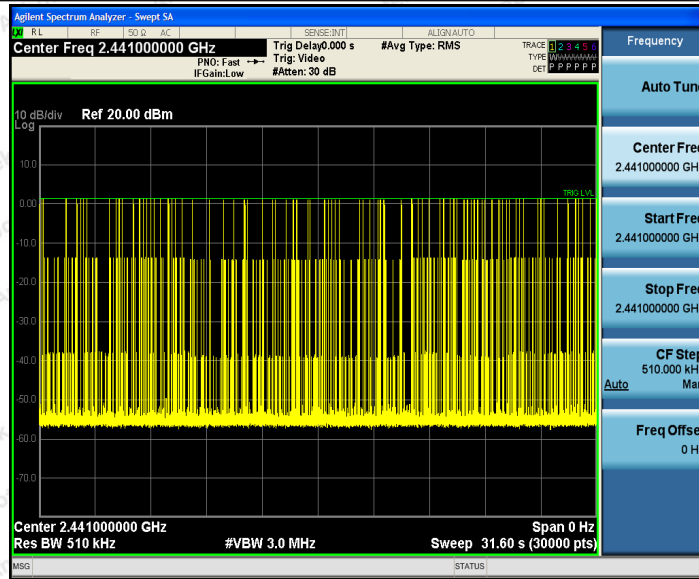


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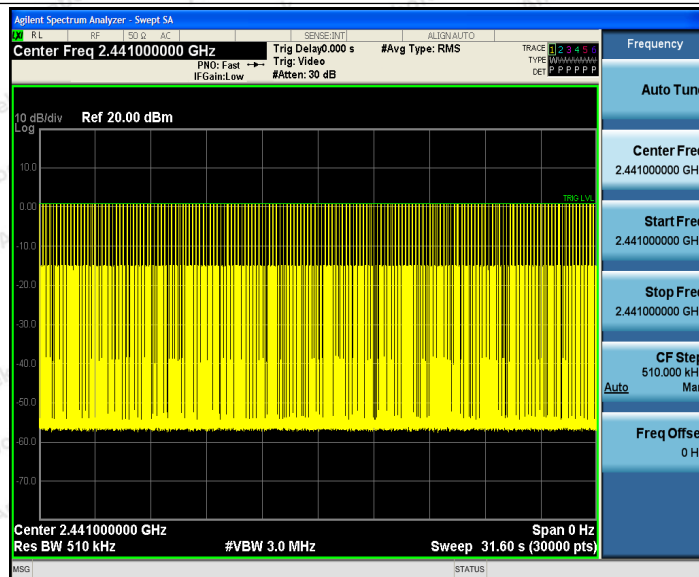
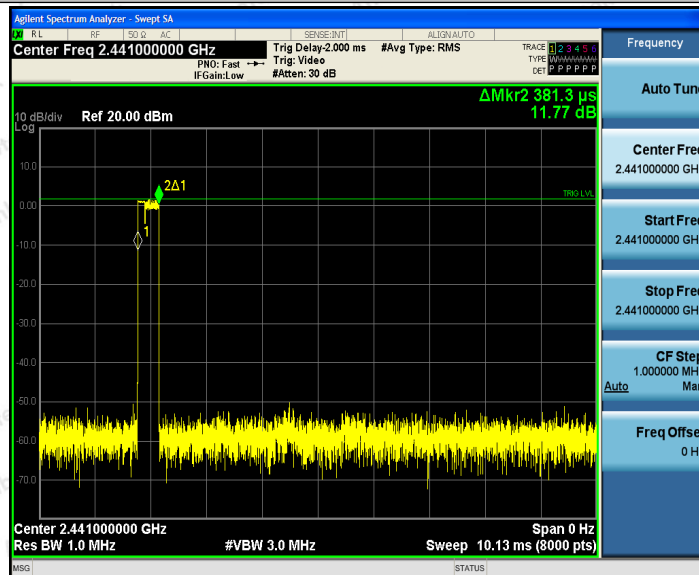
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3DH1_Ant1_Hop



3DH3_Ant1_Hop

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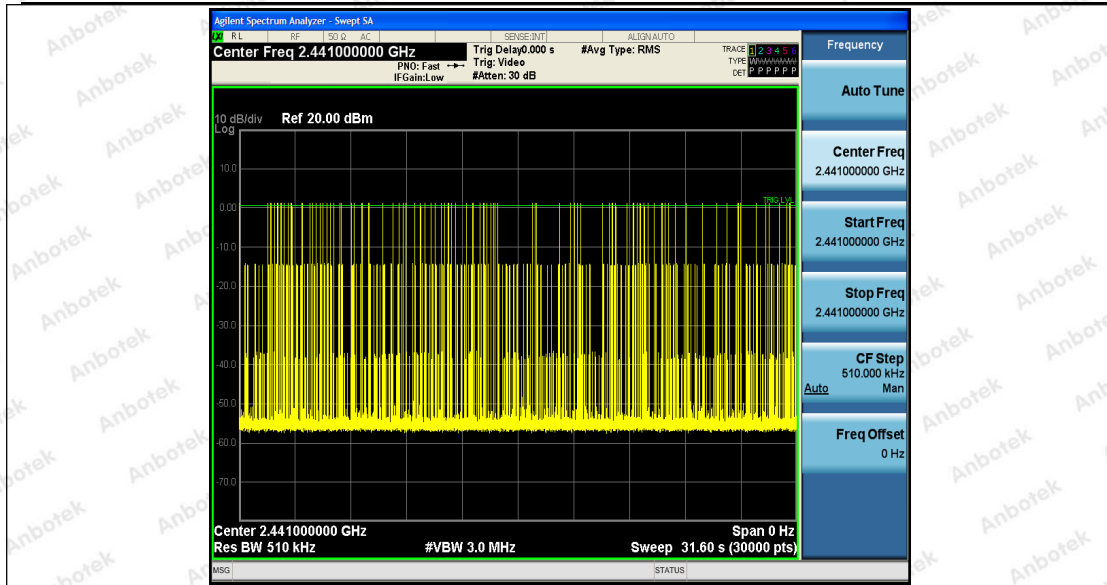
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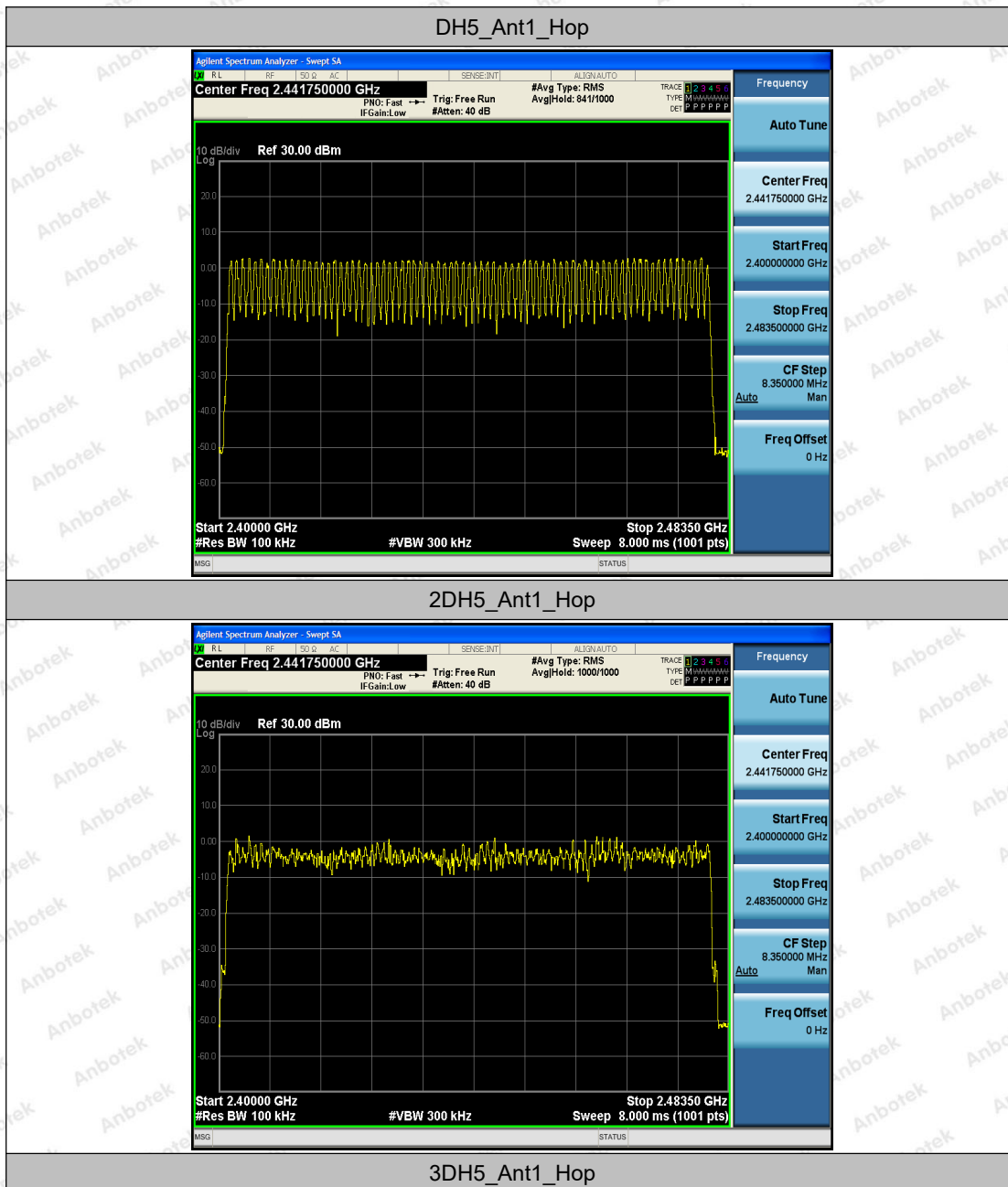
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Appendix F: Number of hopping channels

Test Result

TestMode	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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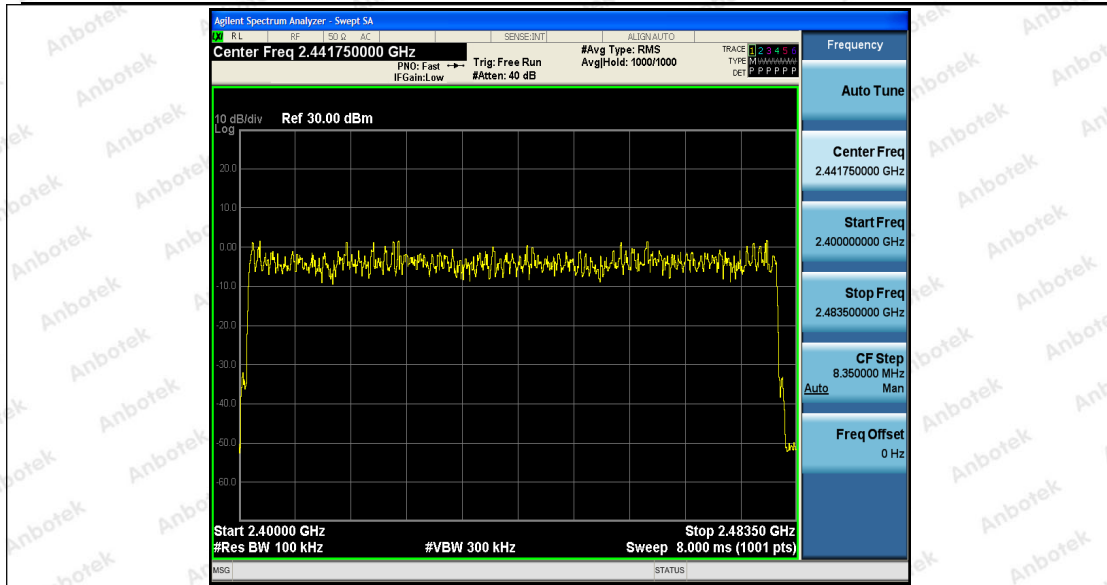
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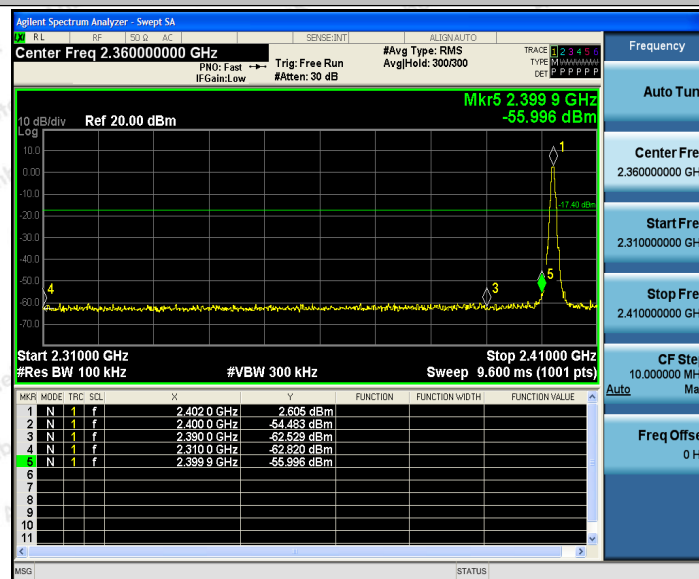
Appendix G: Band edge measurements

Test Result

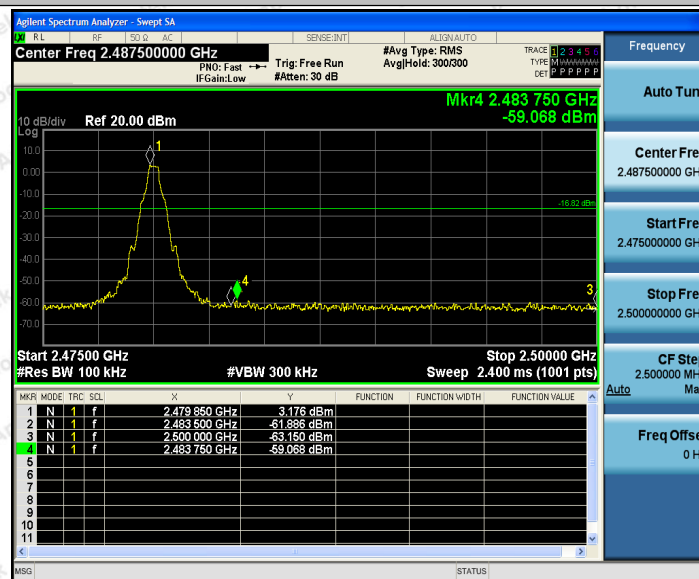
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.61	-56	≤ -17.4	PASS
		High	2480	3.18	-59.07	≤ -16.82	PASS
		Low	Hop	2.25	-59.13	≤ -17.75	PASS
		High	Hop	2.42	-62.22	≤ -17.58	PASS
2DH5	Ant1	Low	2402	0.76	-54.51	≤ -19.24	PASS
		High	2480	1.17	-58.76	≤ -18.83	PASS
		Low	Hop	-1.21	-59.57	≤ -21.21	PASS
		High	Hop	1.64	-62.22	≤ -18.36	PASS
3DH5	Ant1	Low	2402	1.57	-54.71	≤ -18.43	PASS
		High	2480	2.14	-59.43	≤ -17.87	PASS
		Low	Hop	-1.41	-59.83	≤ -21.41	PASS
		High	Hop	1.91	-62.85	≤ -18.09	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



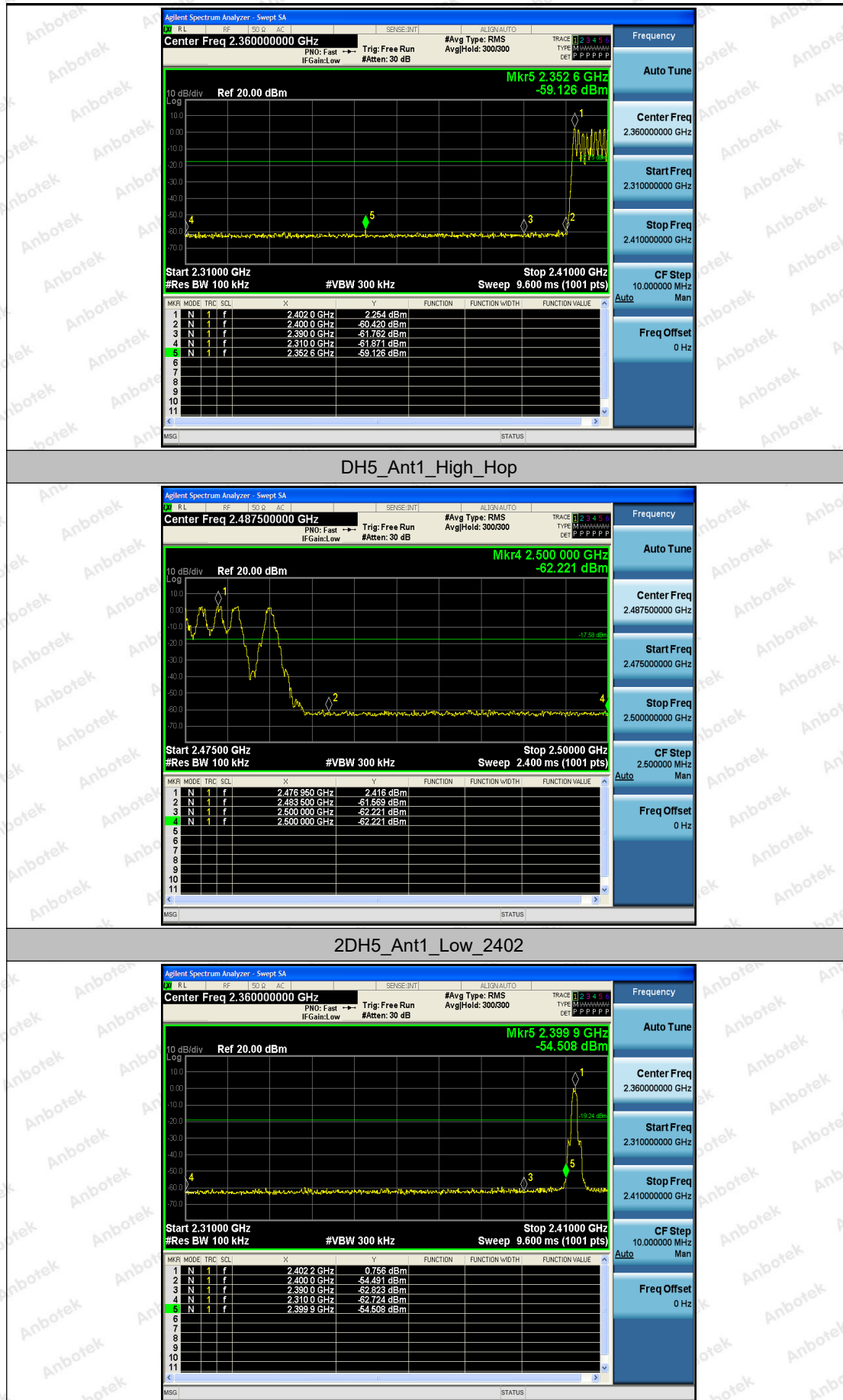
DH5_Ant1_Low_Hop

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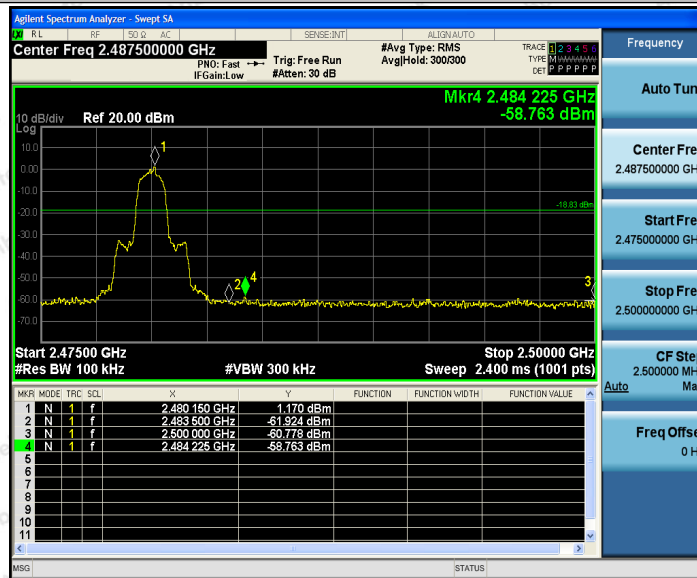
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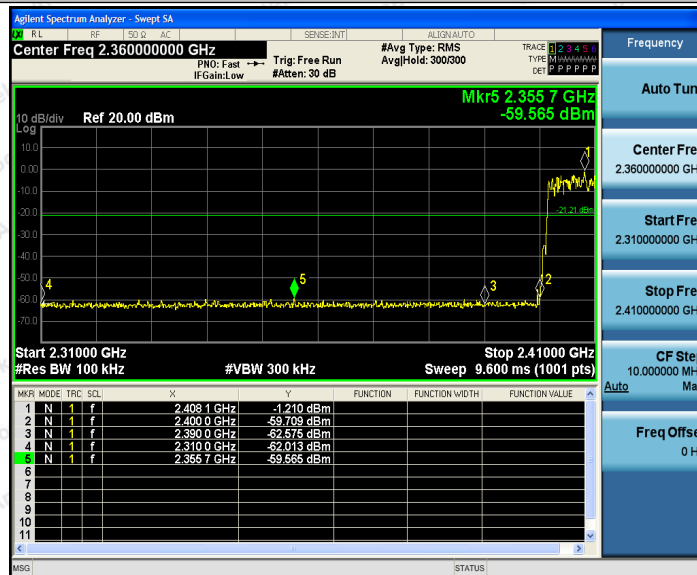
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



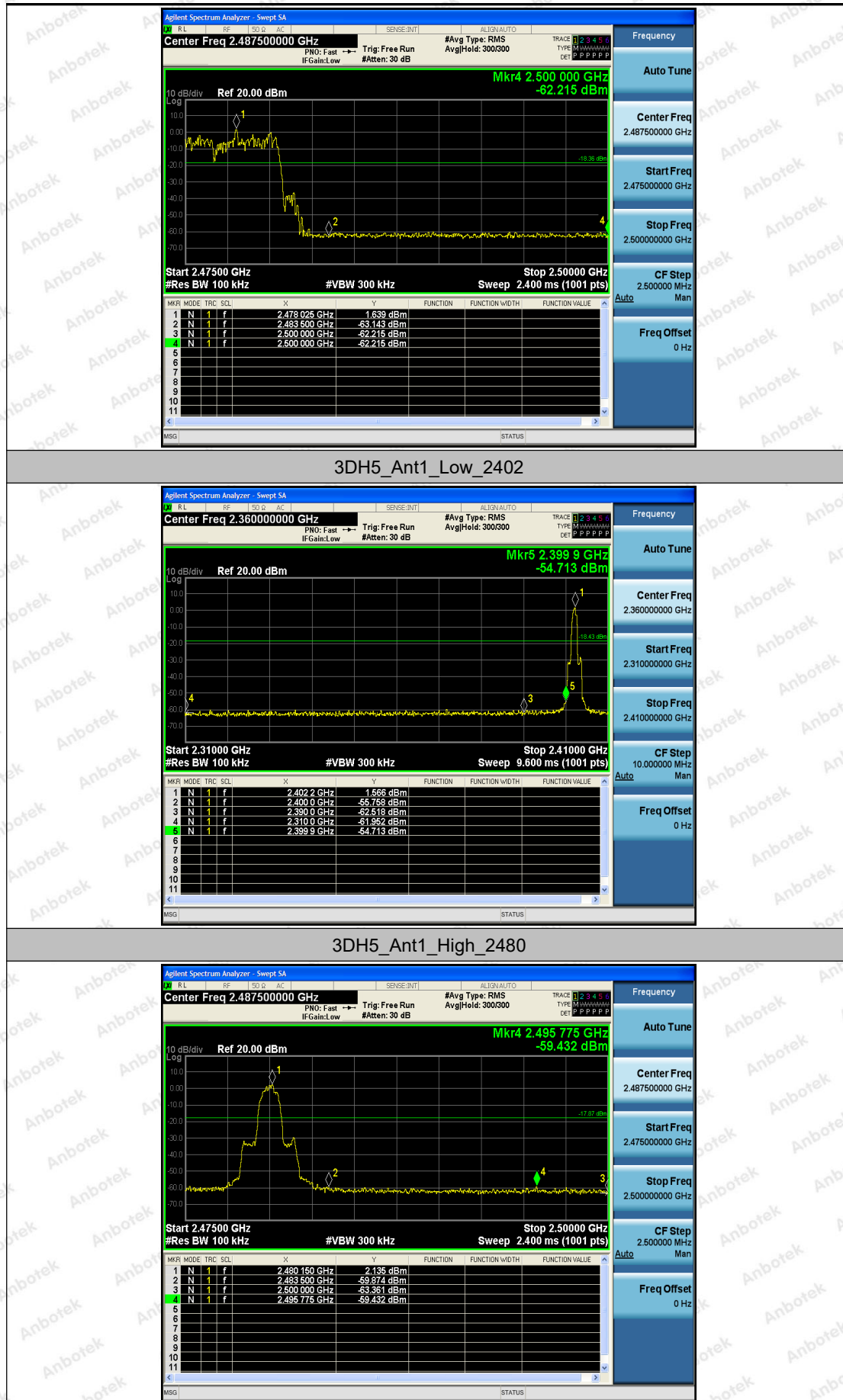
2DH5_Ant1_High_Hop

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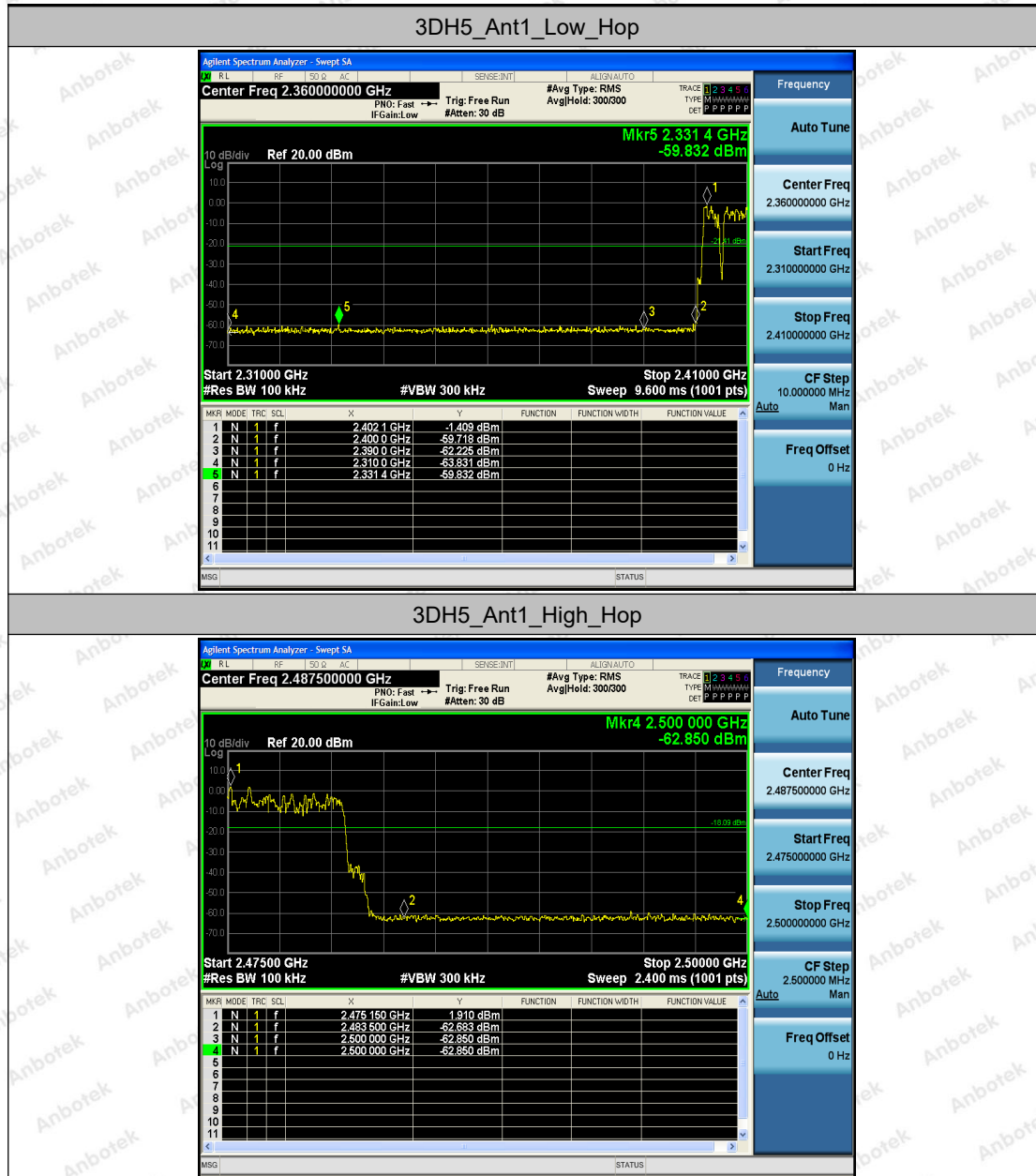


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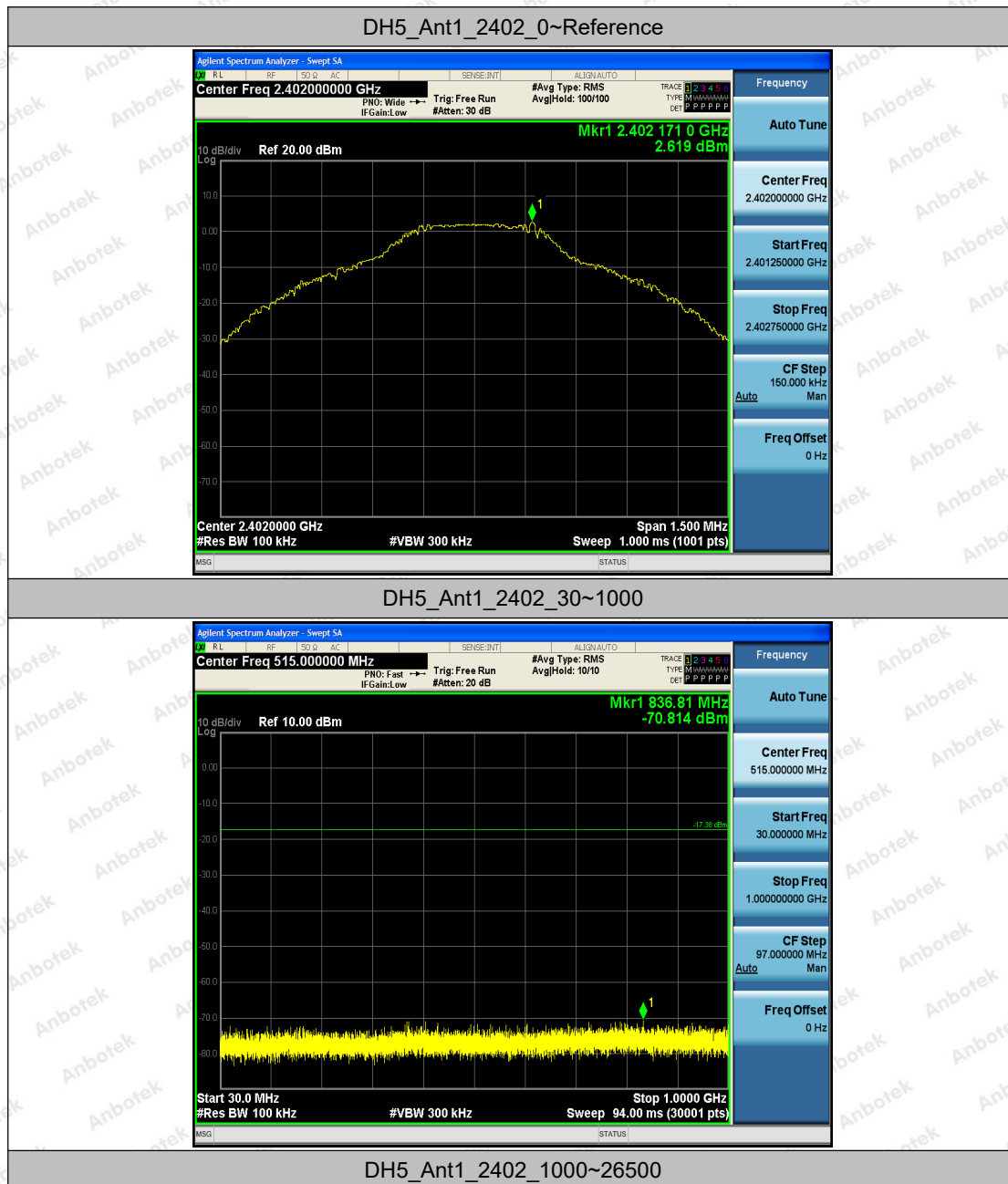
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.62	2.62	---	PASS
			30~1000	2.62	-70.81	≤-17.38	PASS
			1000~26500	2.62	-55.77	≤-17.38	PASS
		2441	Reference	2.20	2.20	---	PASS
			30~1000	2.20	-70.59	≤-17.8	PASS
			1000~26500	2.20	-56.42	≤-17.8	PASS
		2480	Reference	2.54	2.54	---	PASS
			30~1000	2.54	-71.31	≤-17.47	PASS
			1000~26500	2.54	-50.44	≤-17.47	PASS
2DH5	Ant1	2402	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-69.7	≤-18.83	PASS
			1000~26500	1.17	-55.65	≤-18.83	PASS
		2441	Reference	0.24	0.24	---	PASS
			30~1000	0.24	-70.63	≤-19.76	PASS
			1000~26500	0.24	-55.42	≤-19.76	PASS
		2480	Reference	1.63	1.63	---	PASS
			30~1000	1.63	-70.89	≤-18.37	PASS
			1000~26500	1.63	-55.59	≤-18.37	PASS
3DH5	Ant1	2402	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-70.75	≤-18.86	PASS
			1000~26500	1.14	-55.62	≤-18.86	PASS
		2441	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-70.18	≤-18.68	PASS
			1000~26500	1.32	-56.11	≤-18.68	PASS
		2480	Reference	1.22	1.22	---	PASS
			30~1000	1.22	-69.75	≤-18.78	PASS
			1000~26500	1.22	-55.73	≤-18.78	PASS

Test Graphs

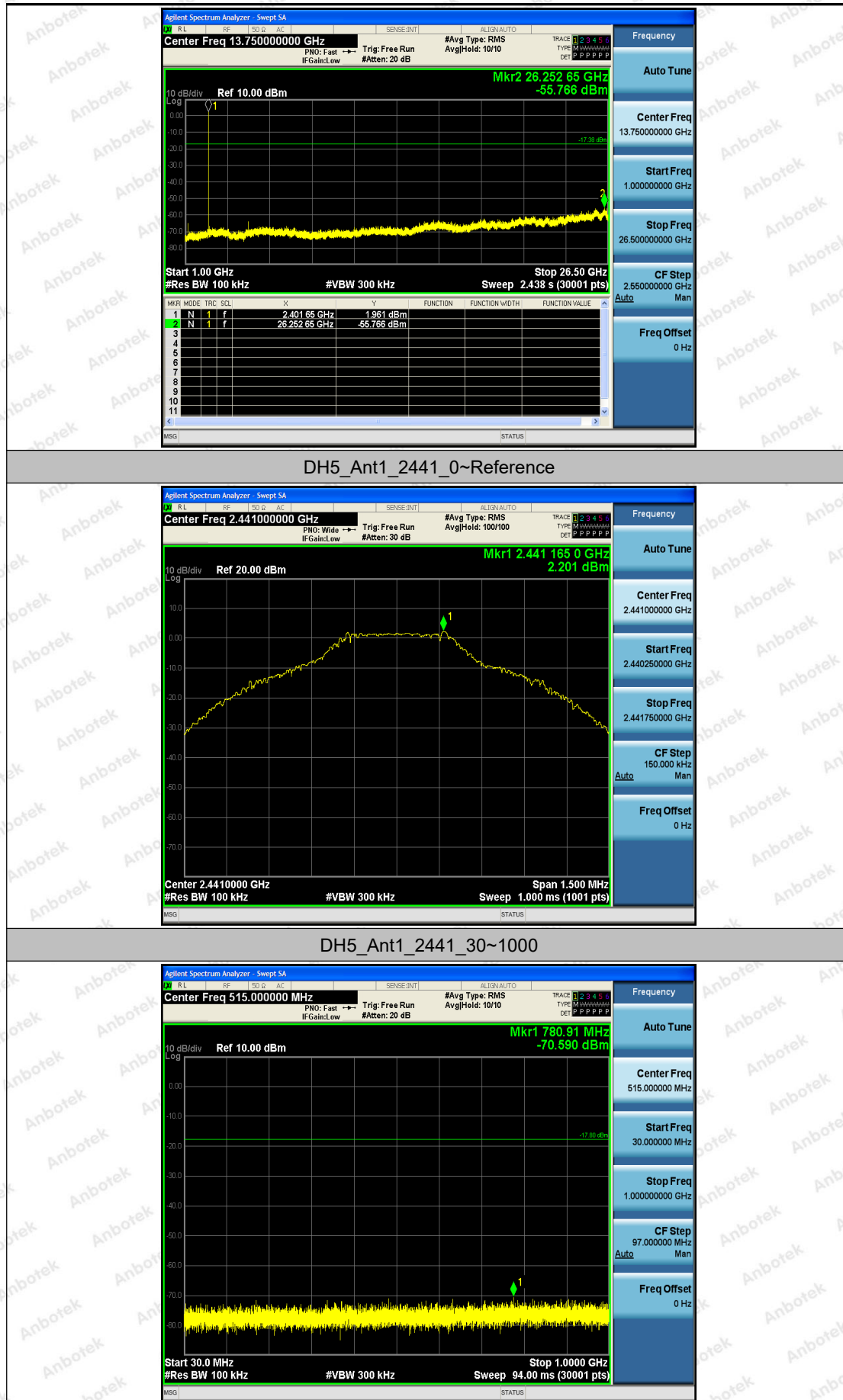


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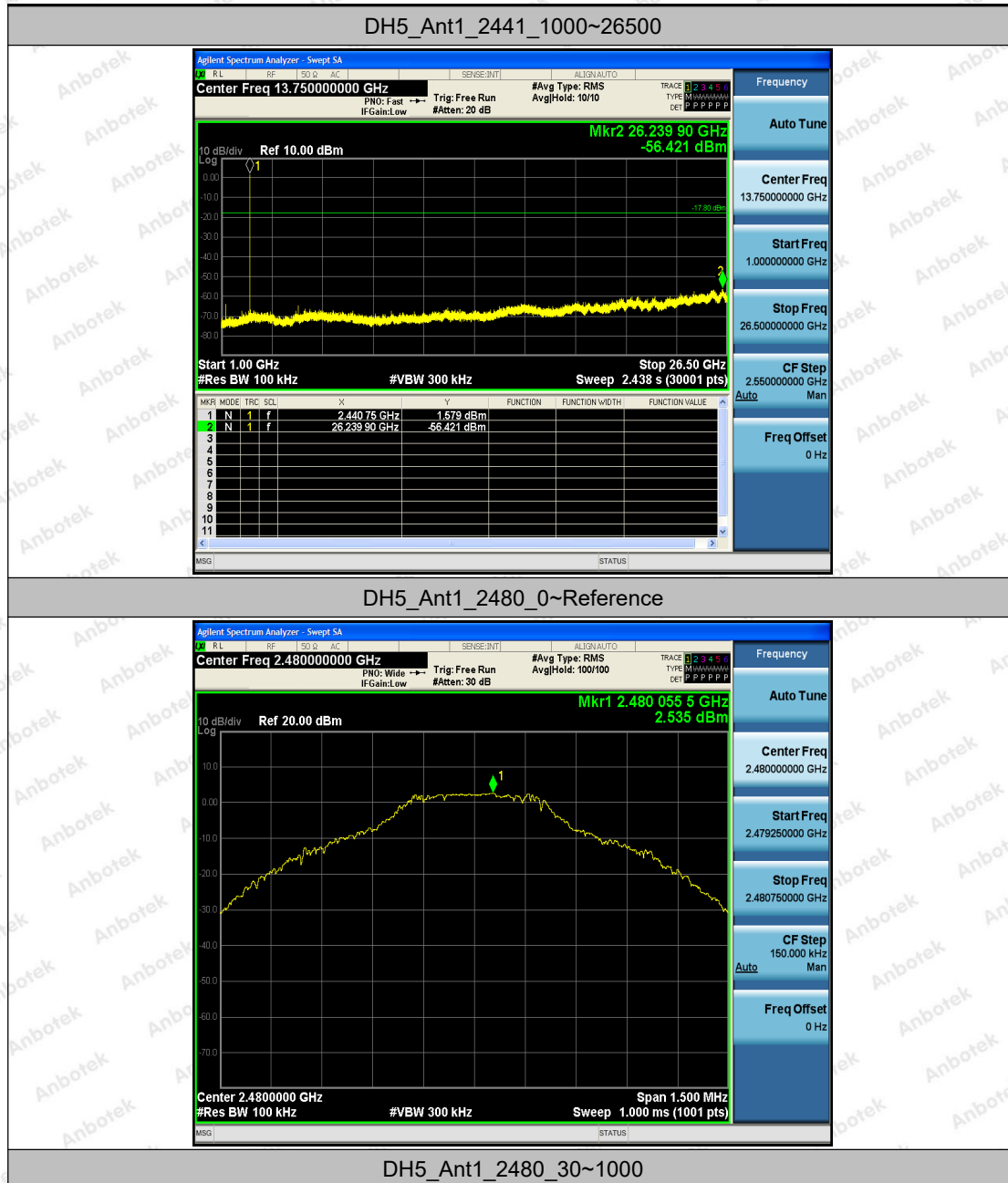


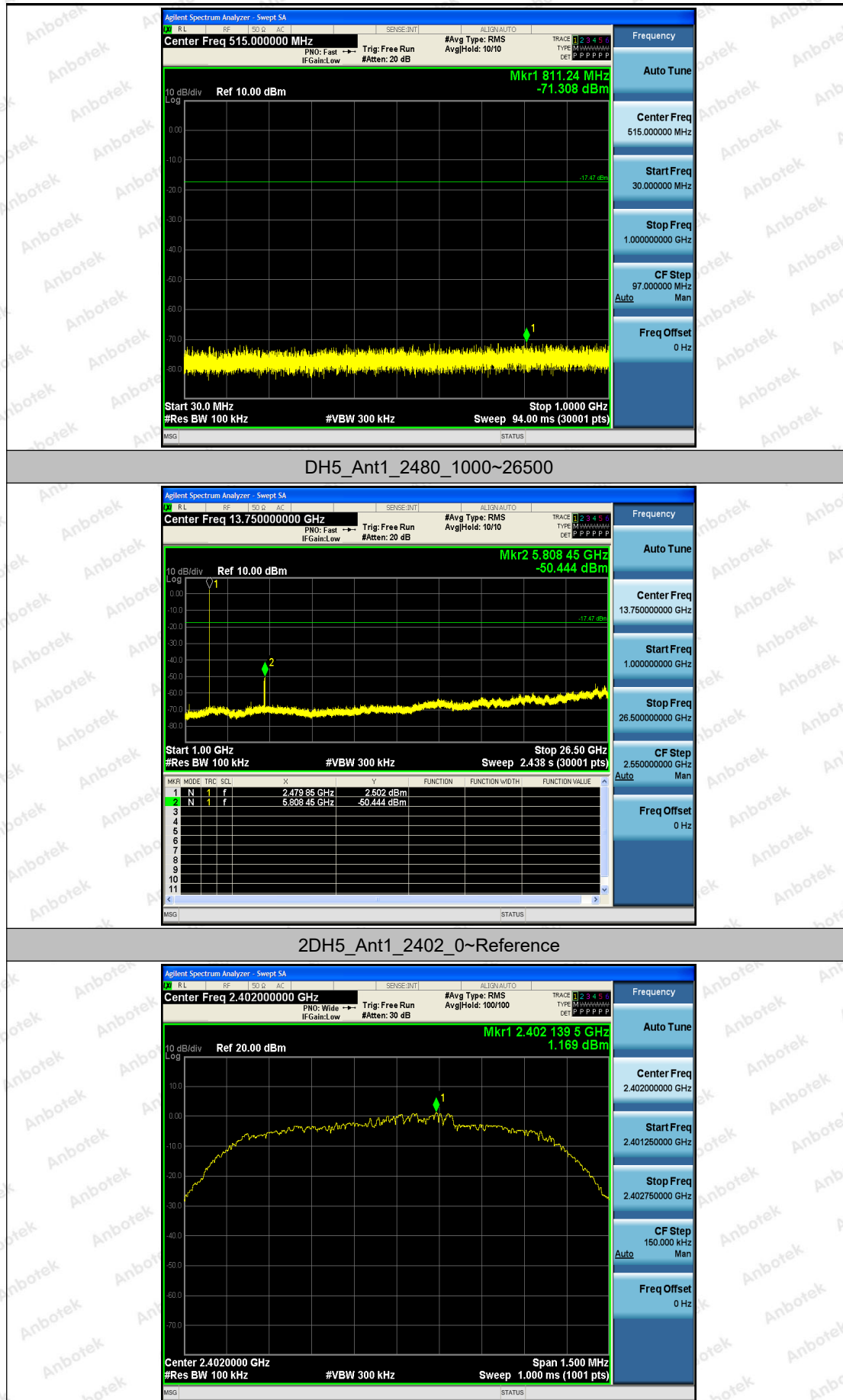
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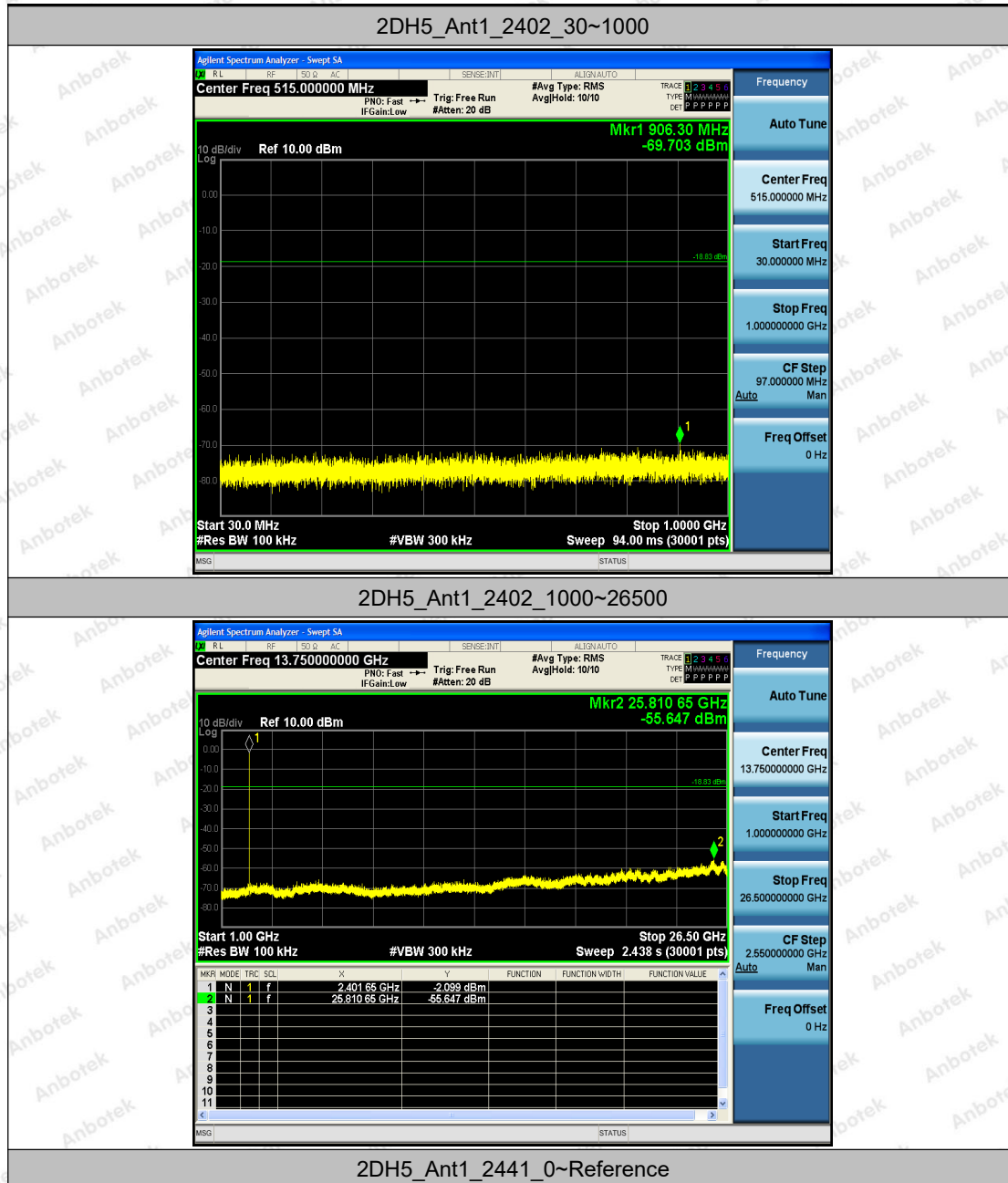


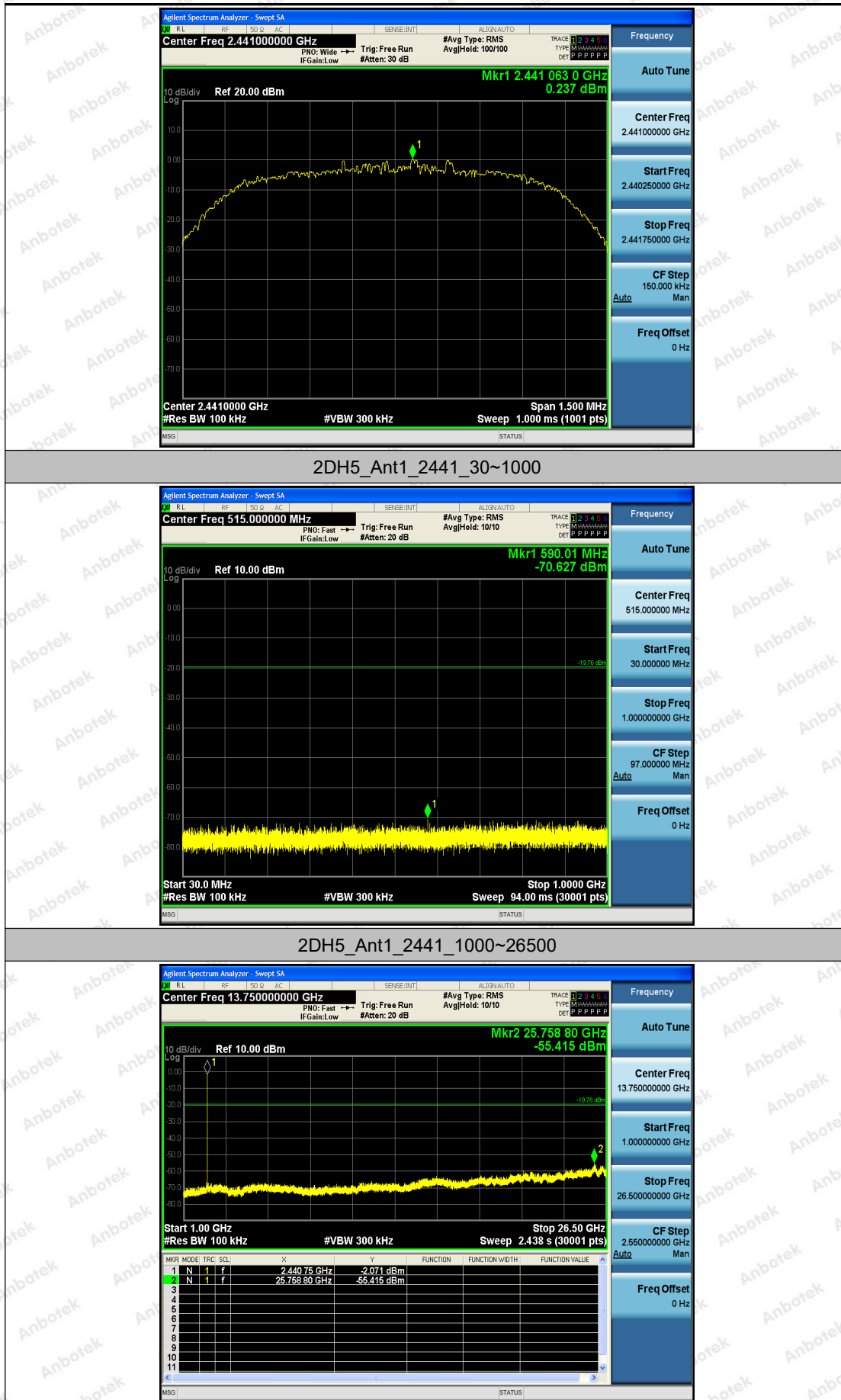
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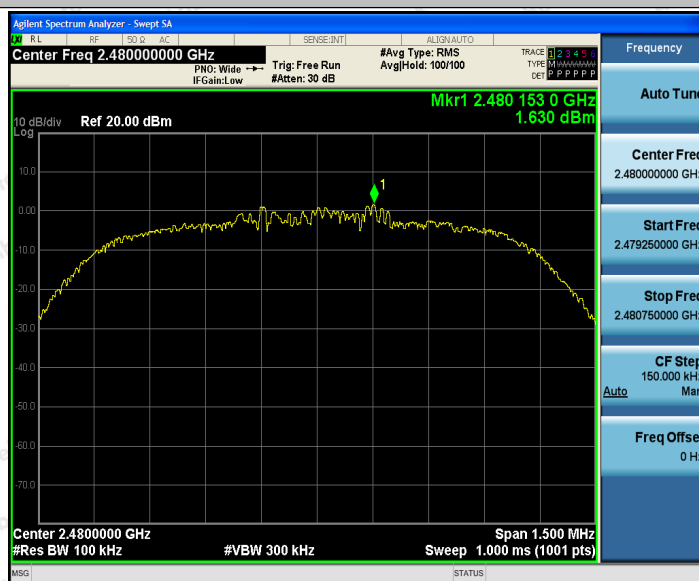
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

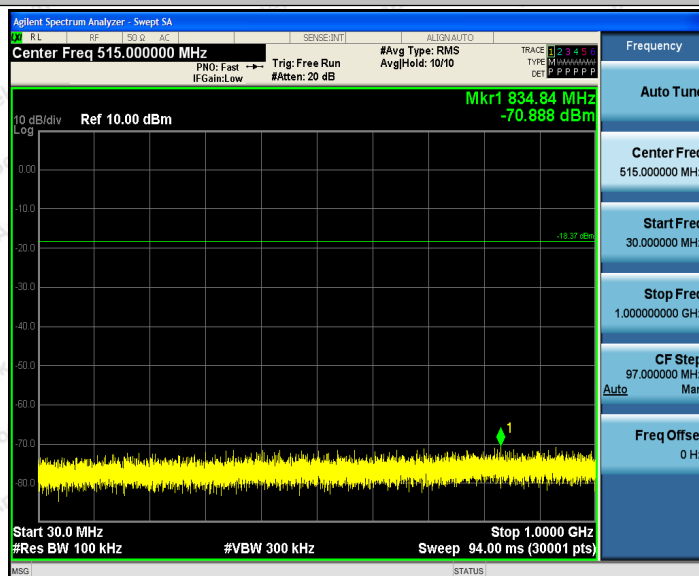
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

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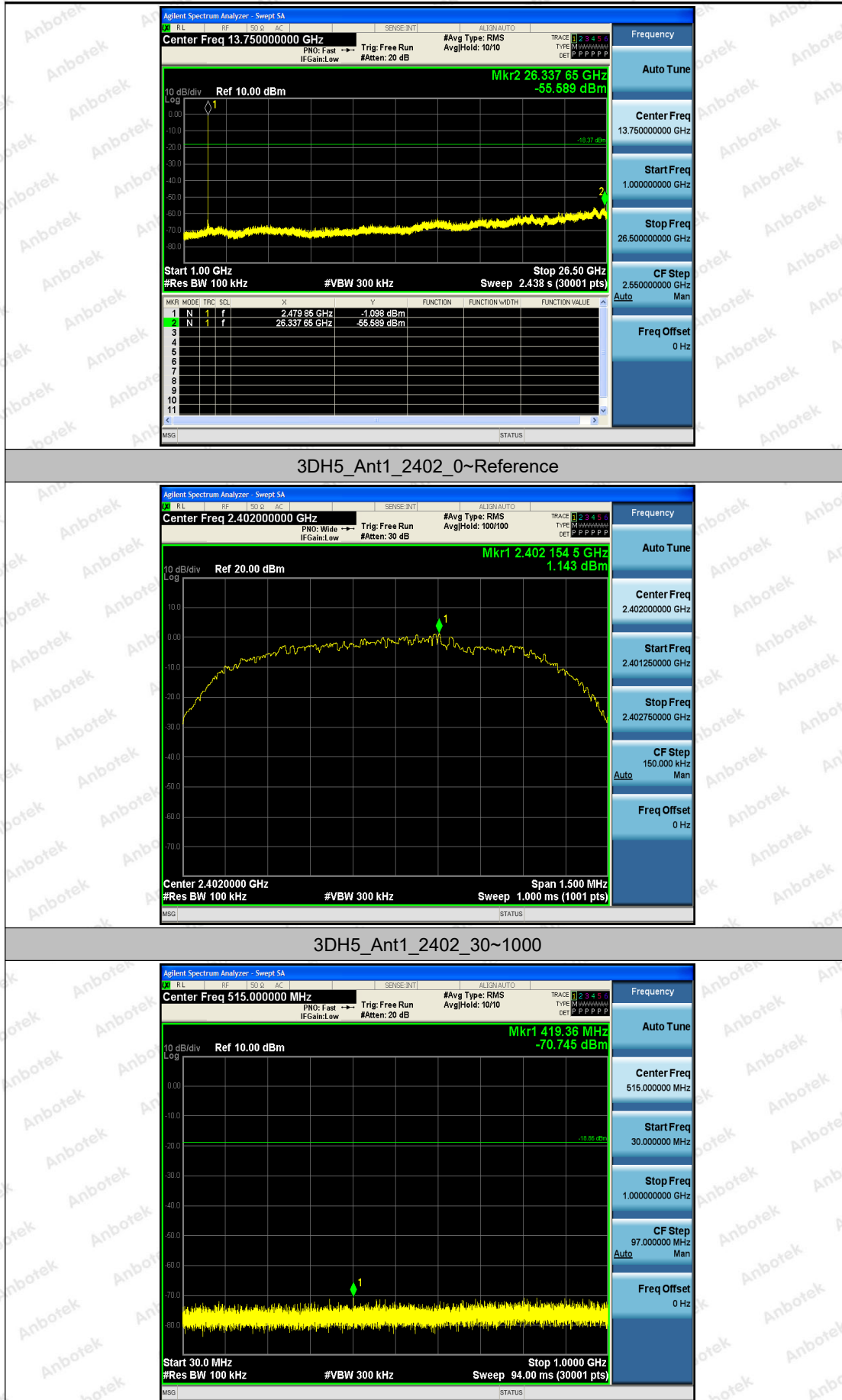
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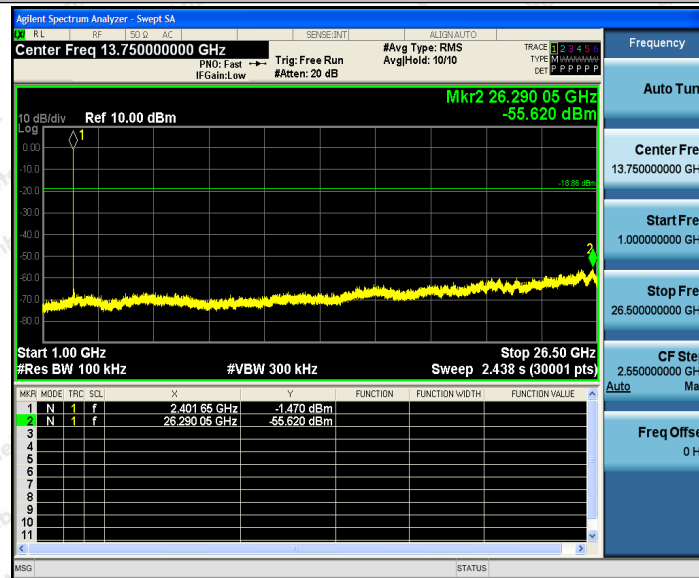
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3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



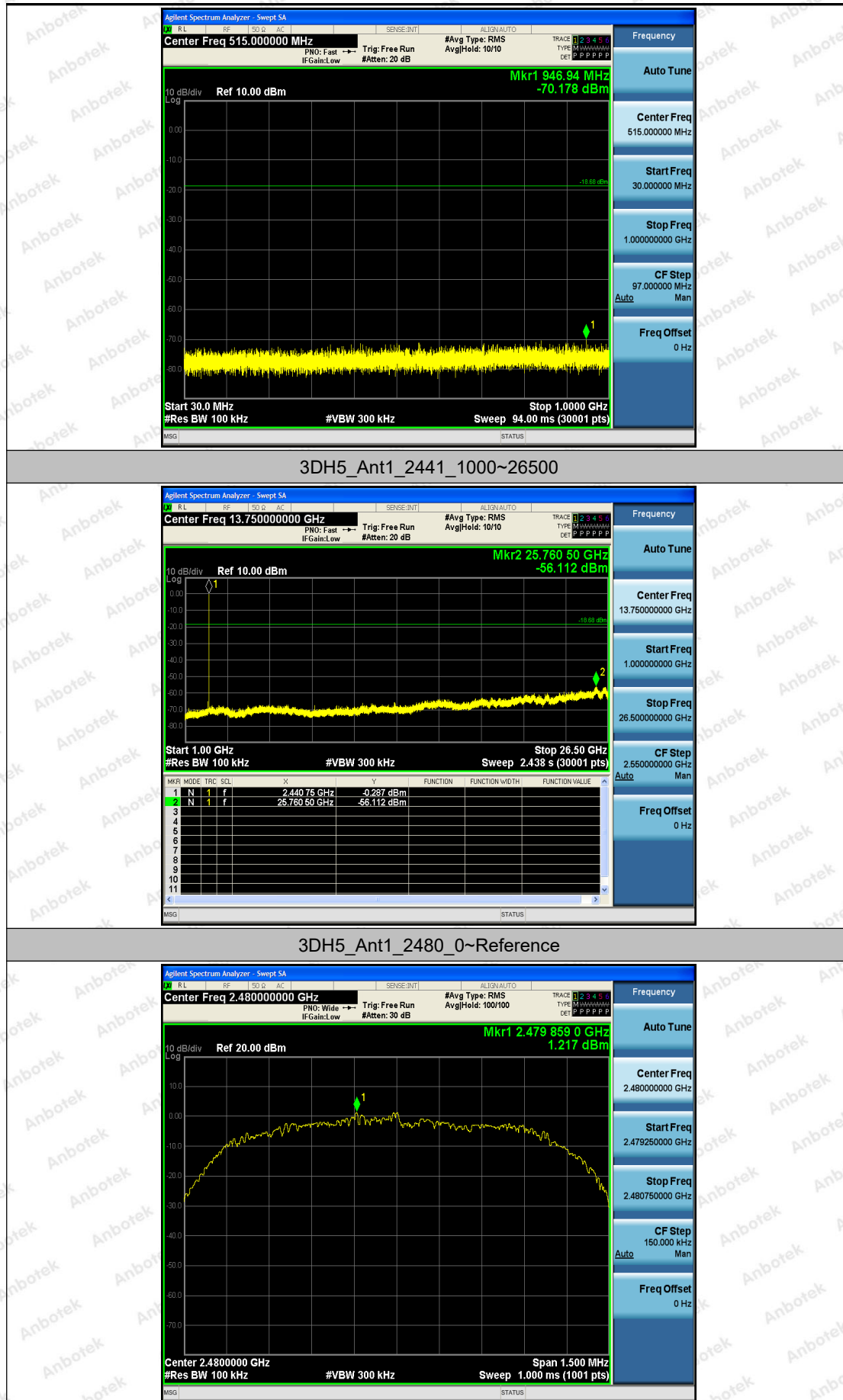
3DH5_Ant1_2441_30~1000

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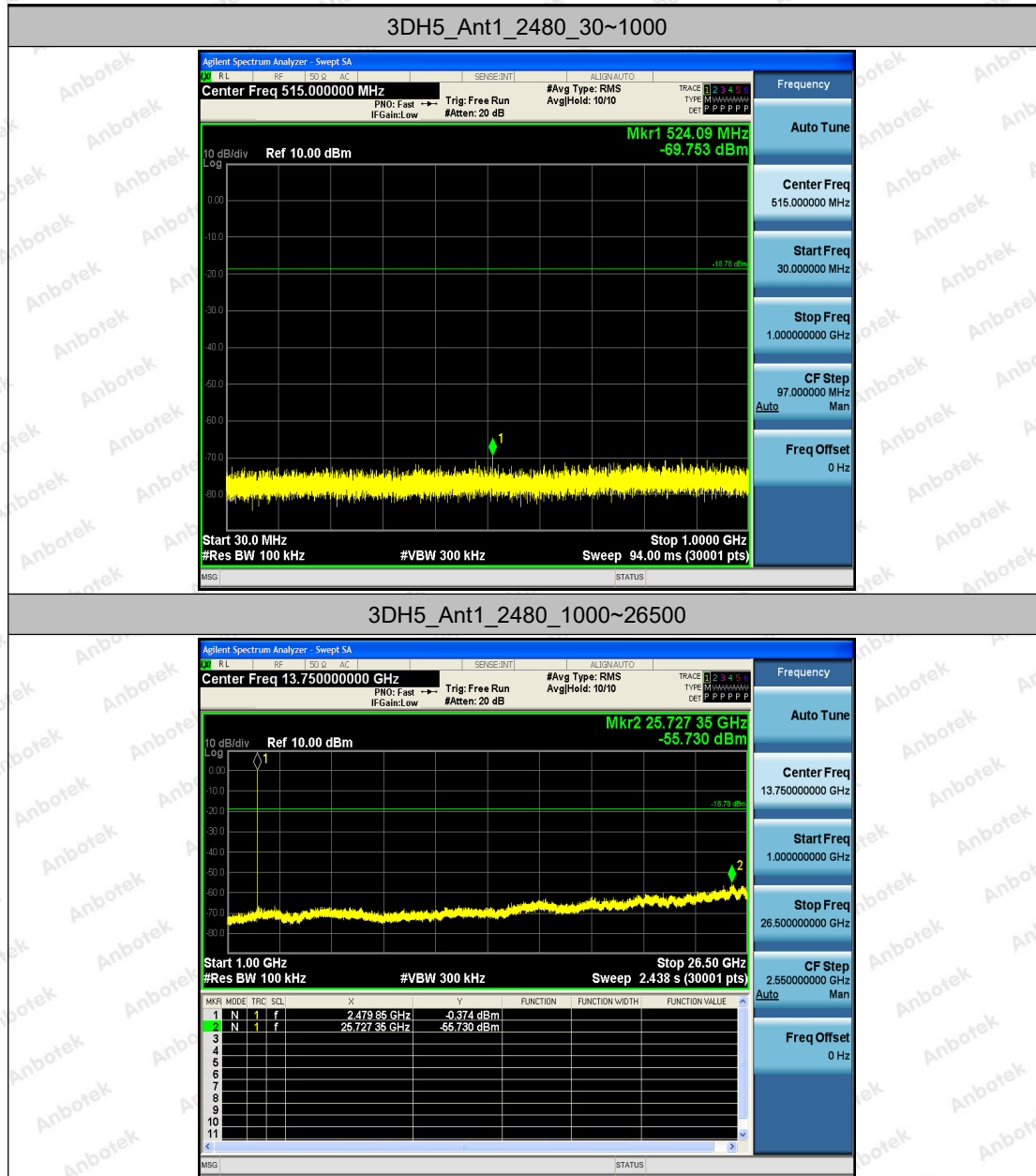


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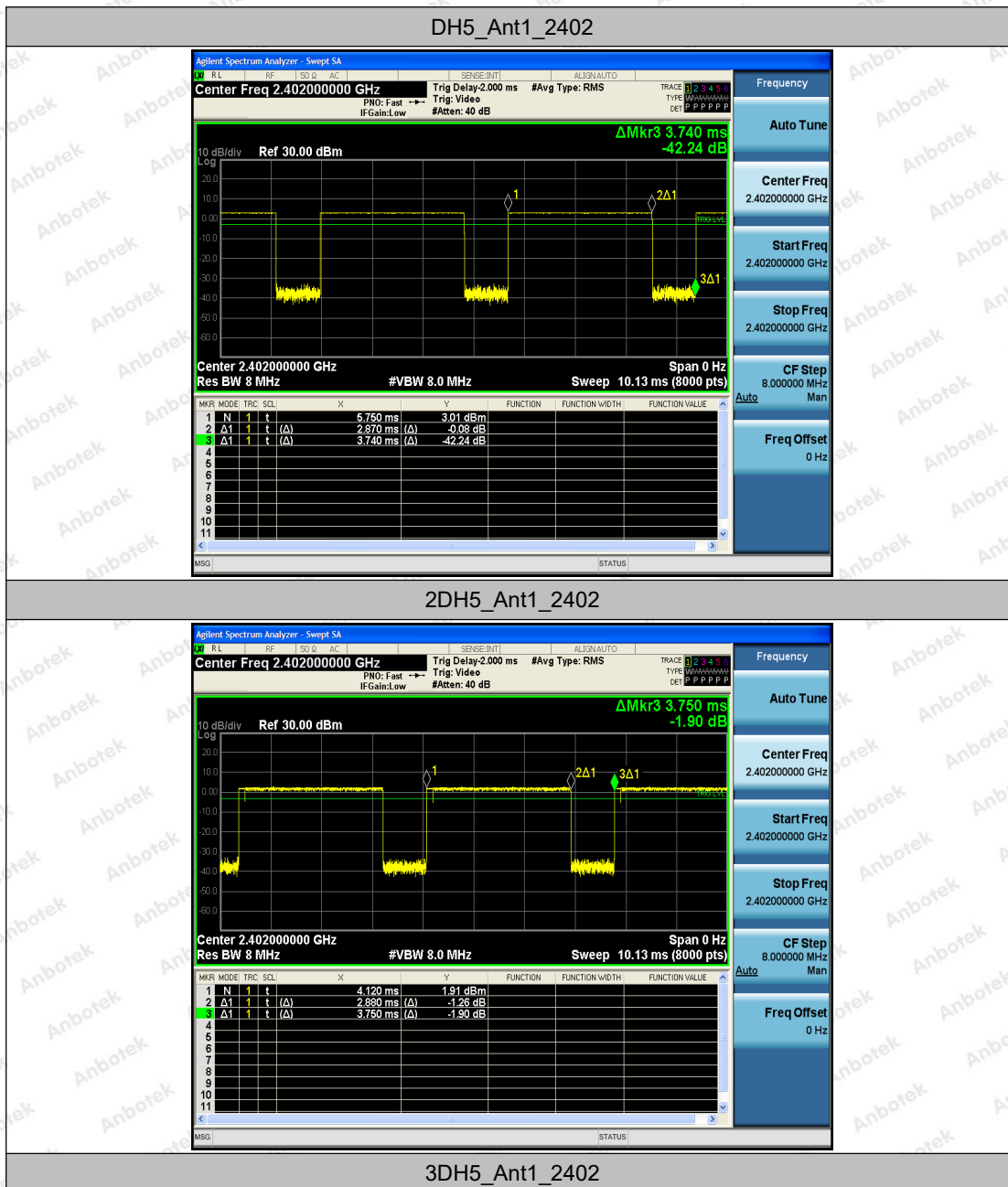
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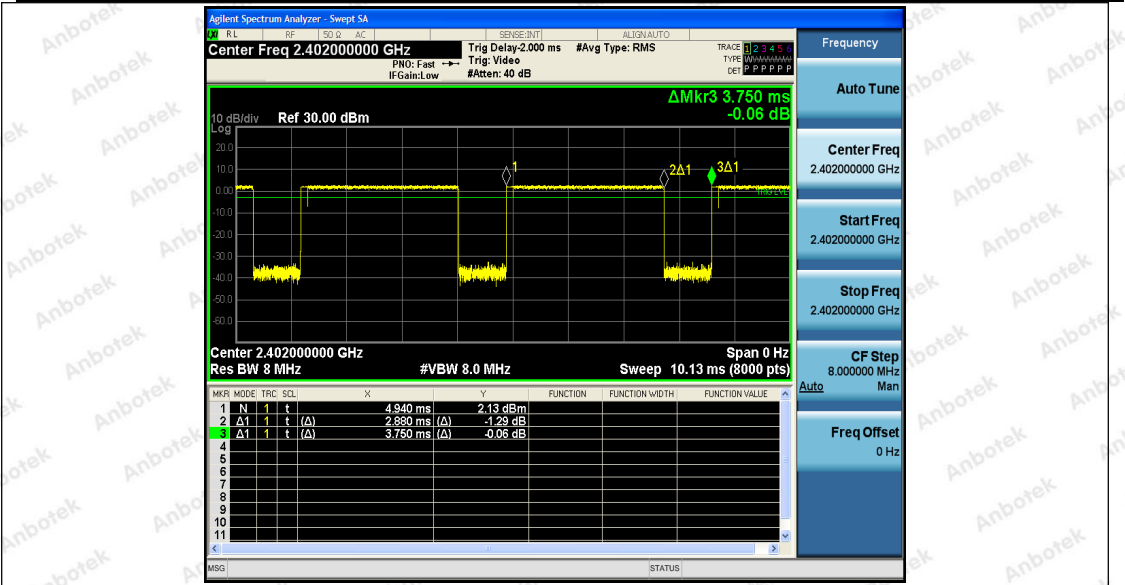
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.87	3.74	0.767 4	76.74	1.15	---	PASS
2DH5	Ant1	2402	2.88	3.75	0.768 0	76.80	1.15	---	PASS
3DH5	Ant1	2402	2.88	3.75	0.768 0	76.80	1.15	---	PASS

Test Graphs





---End---