

Appendix Test Data

Report No.:	18220WC20094001	Test Sample No.:	1-2-2
Start Test Date:	2022.4.29	Finish Test Date:	2022.5.9
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.2 %
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	0.951	2401.541	2402.492	---	PASS
		2441	0.945	2440.541	2441.486	---	PASS
		2480	0.948	2479.538	2480.486	---	PASS
2DH5	Ant1	2402	1.320	2401.340	2402.660	---	PASS
		2441	1.323	2440.337	2441.660	---	PASS
		2480	1.260	2479.370	2480.630	---	PASS

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Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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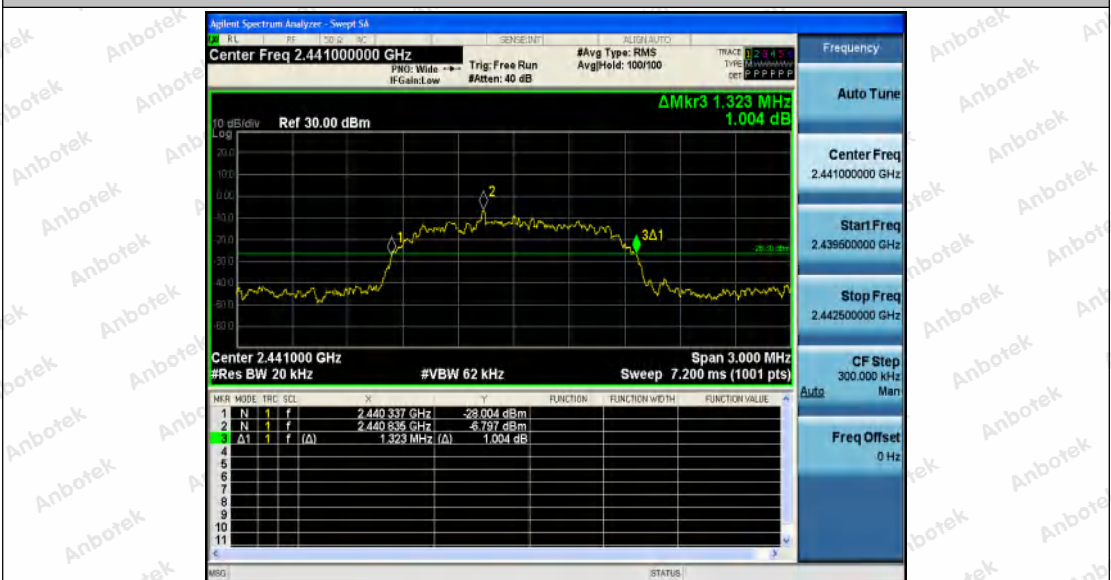




2DH5_Ant1_2402



2DH5_Ant1_2441

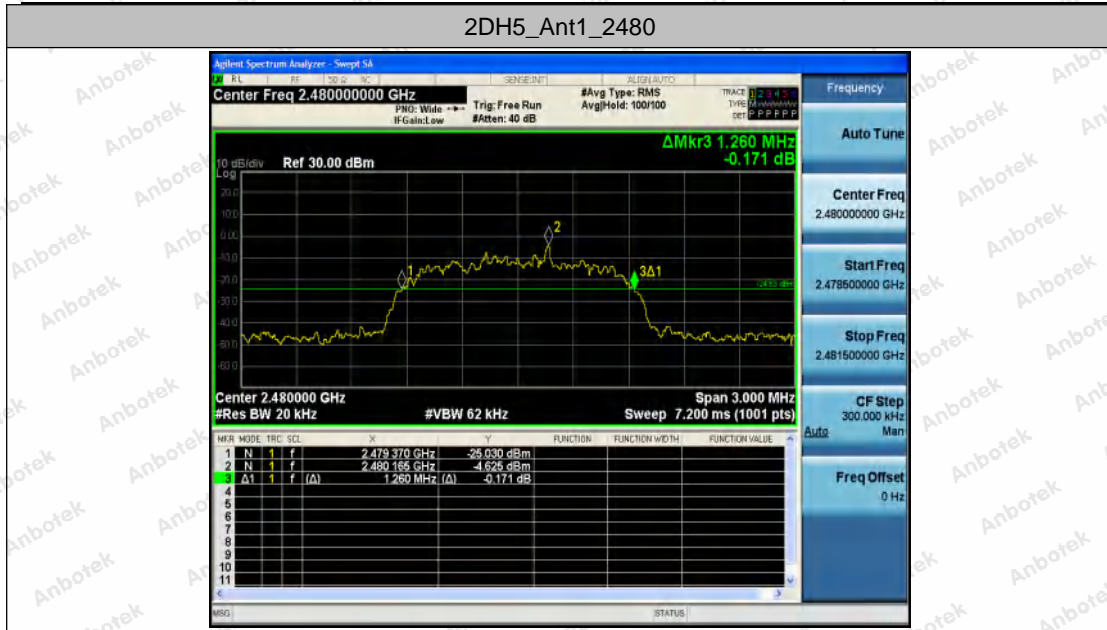


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88234	2401.56 0	2402.443	---	PASS
		2441	0.87881	2440.56 2	2441.440	---	PASS
		2480	0.88565	2479.56 1	2480.447	---	PASS
2DH5	Ant1	2402	1.2011	2401.40 3	2402.604	---	PASS
		2441	1.1953	2440.40 4	2441.599	---	PASS
		2480	1.1882	2479.40 8	2480.596	---	PASS

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Test Graphs

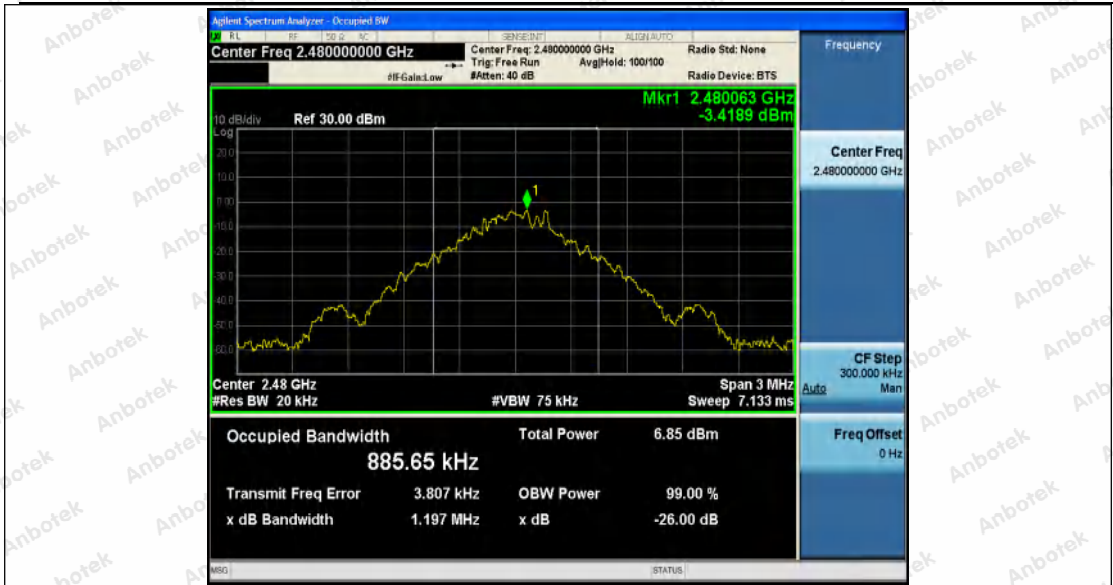


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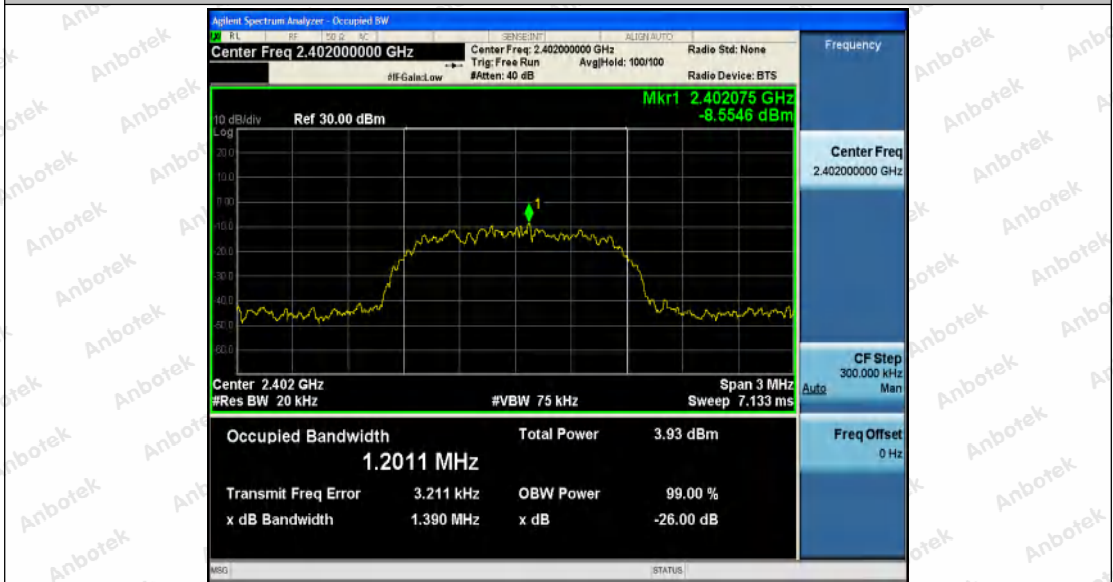
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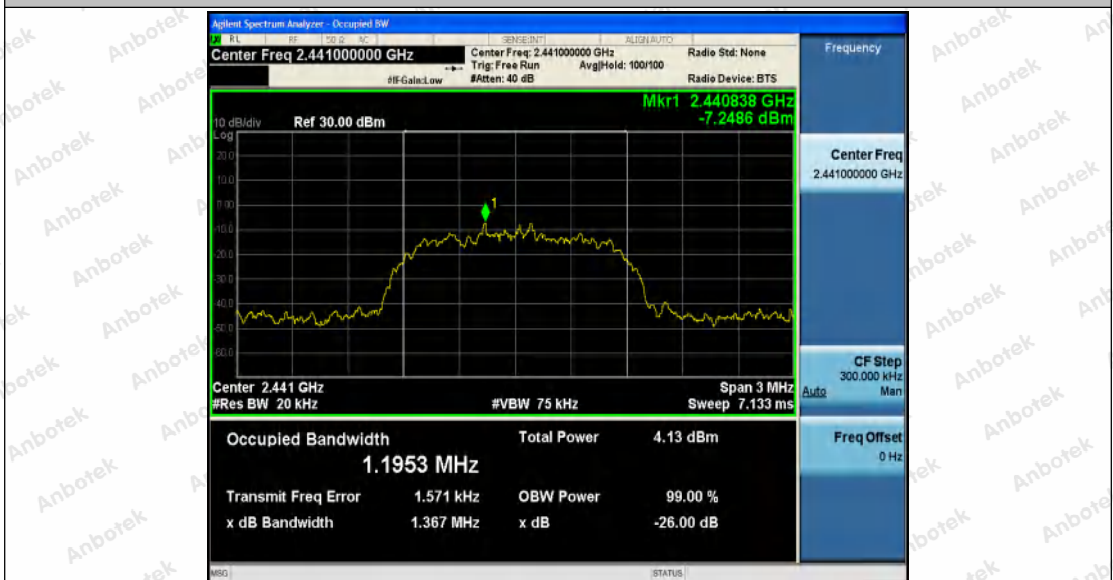




2DH5_Ant1_2402



2DH5_Ant1_2441

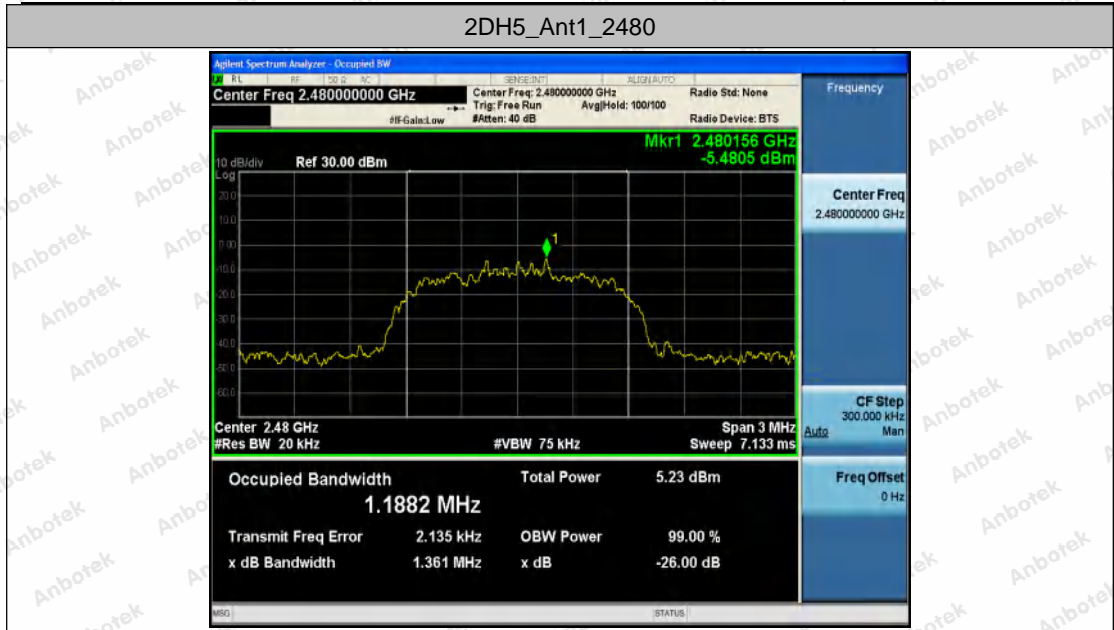


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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.06	≤20.97	PASS
		2441	-0.32	≤20.97	PASS
		2480	0.25	≤20.97	PASS
2DH5	Ant1	2402	-0.48	≤20.97	PASS
		2441	-0.76	≤20.97	PASS
		2480	-0.25	≤20.97	PASS

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Test Graphs

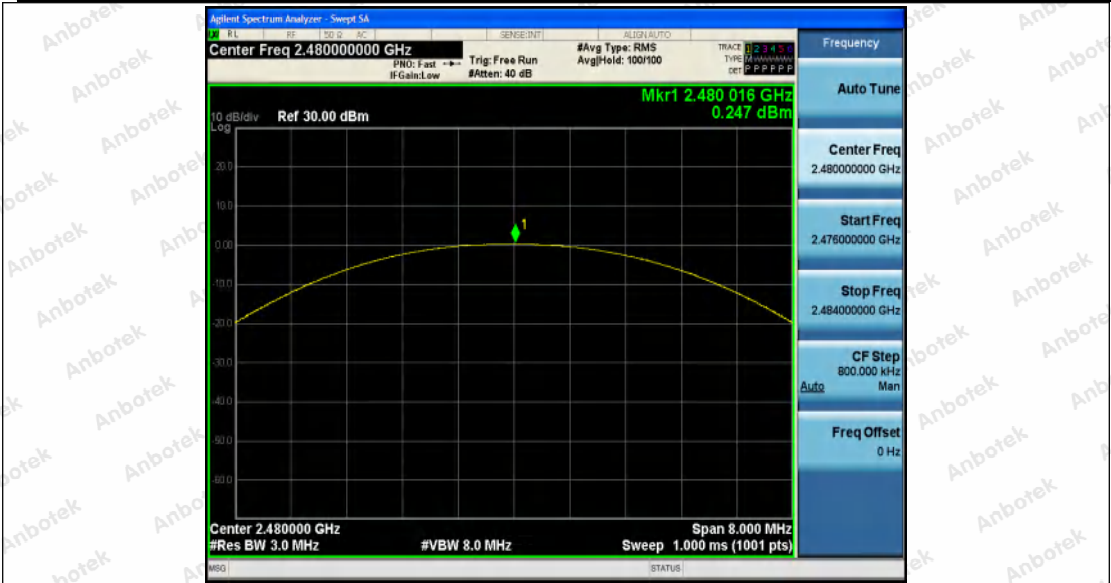


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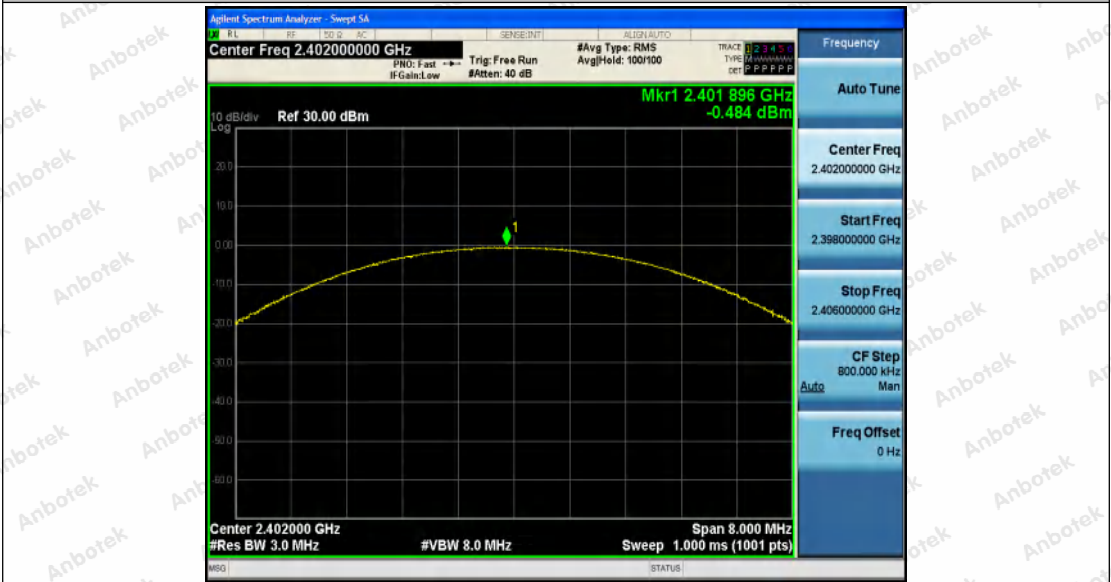
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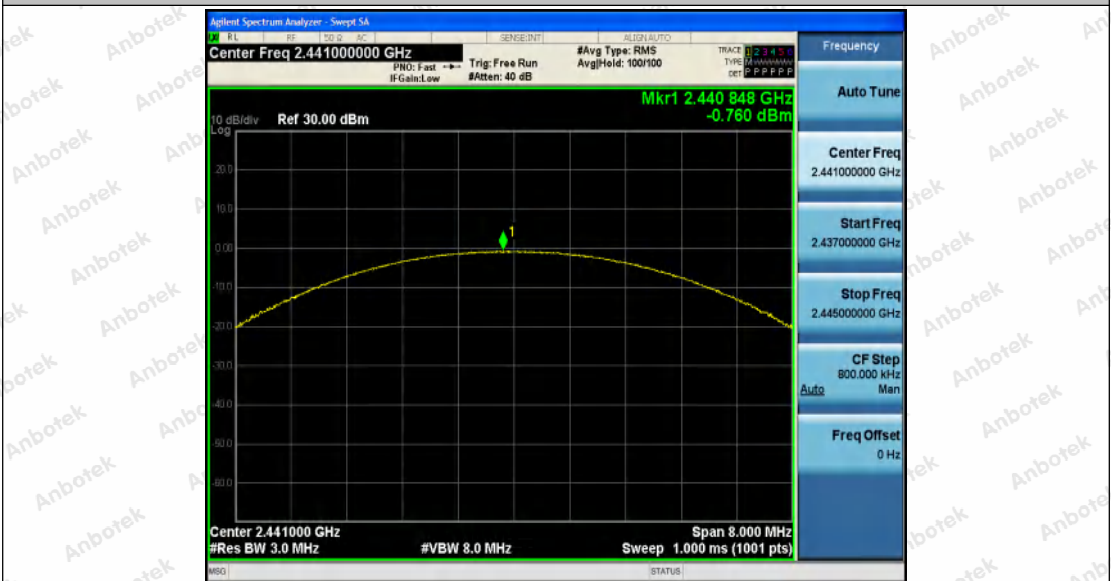




2DH5_Ant1_2402



2DH5_Ant1_2441

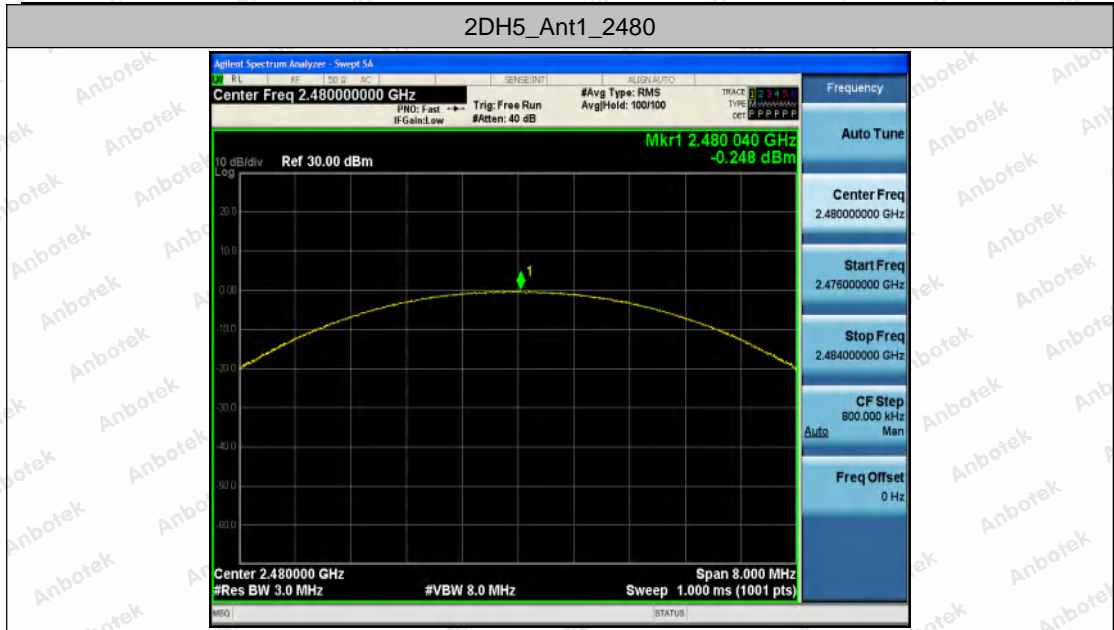


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.884	≥0.634	PASS
2DH5	Ant1	Hop	0.994	≥0.882	PASS



Test Graphs



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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	312	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.63	157	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.88	112	0.322	≤0.4	PASS
2DH1	Ant1	Hop	0.38	314	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.63	156	0.255	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

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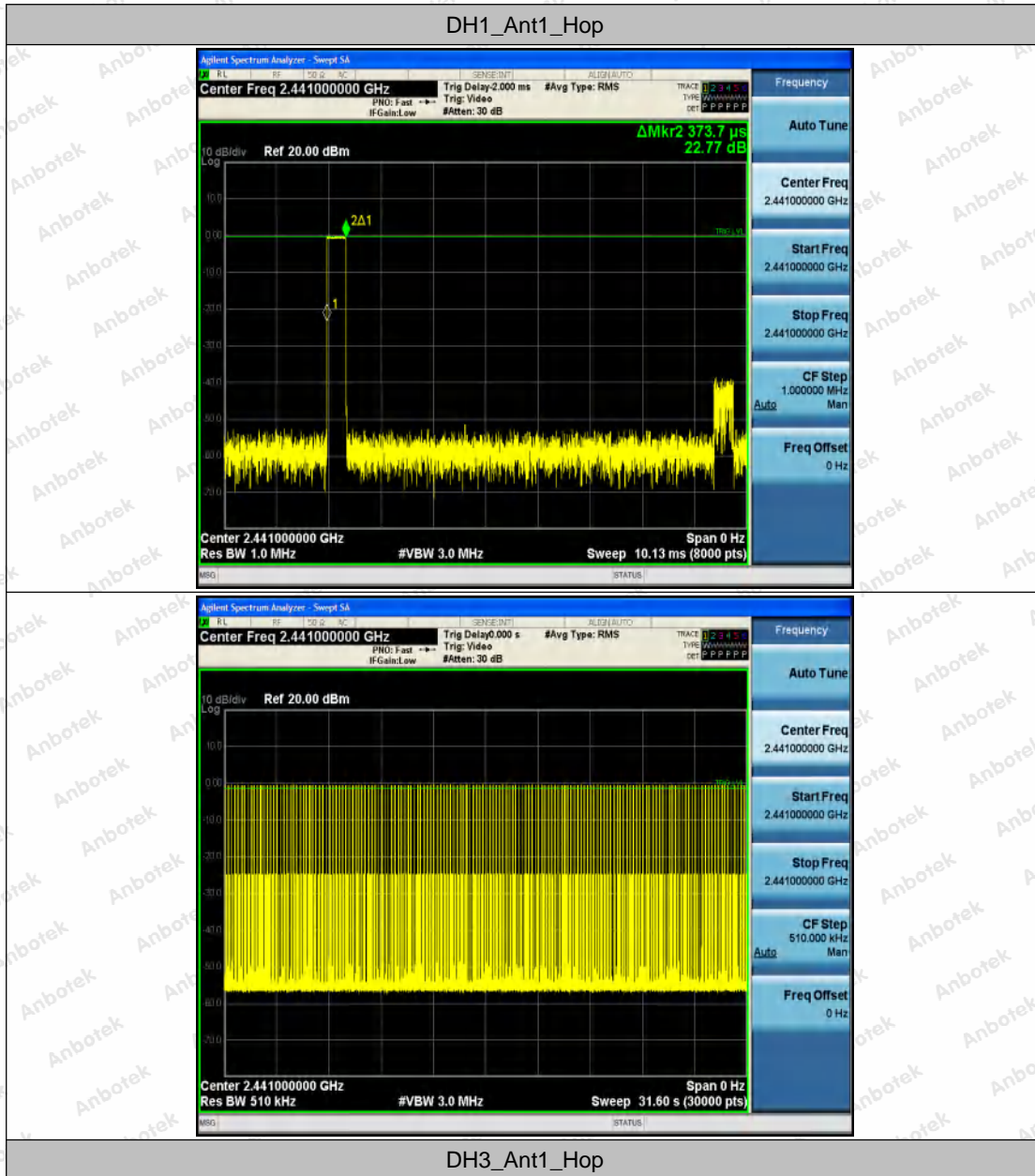
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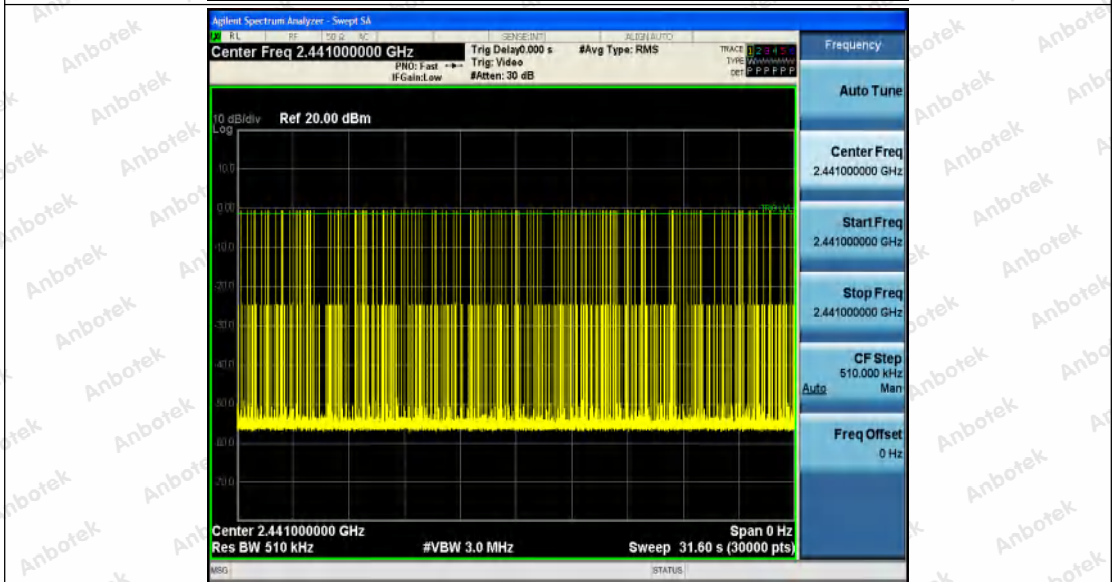
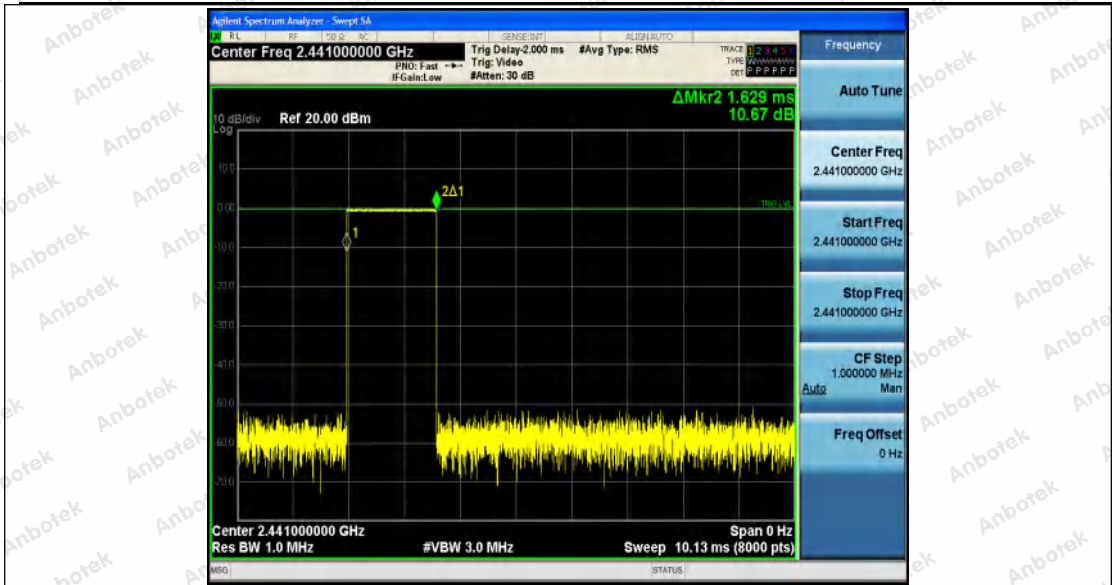


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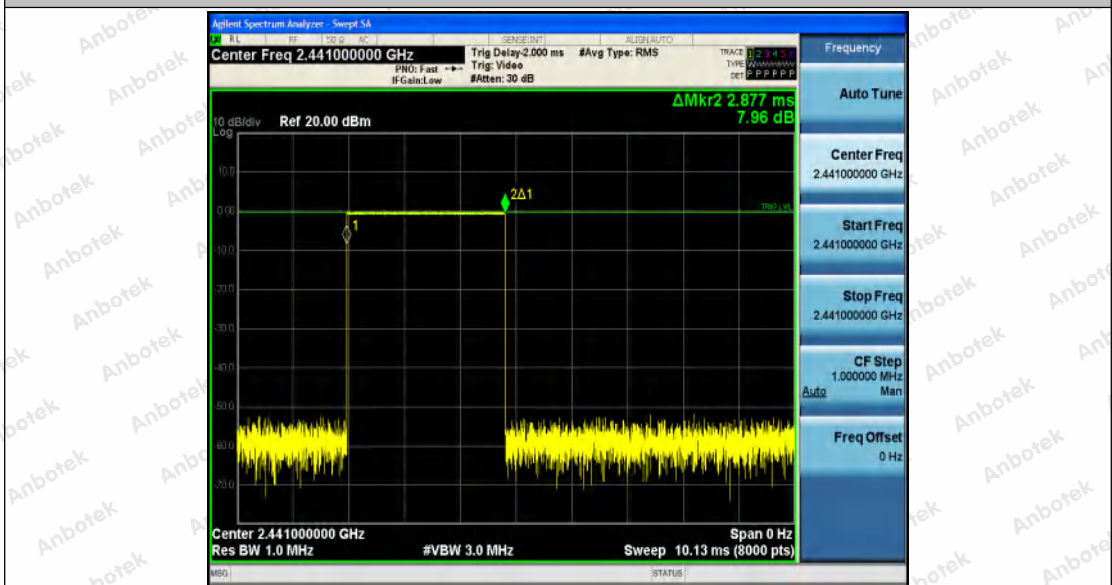
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DH5_Ant1_Hop

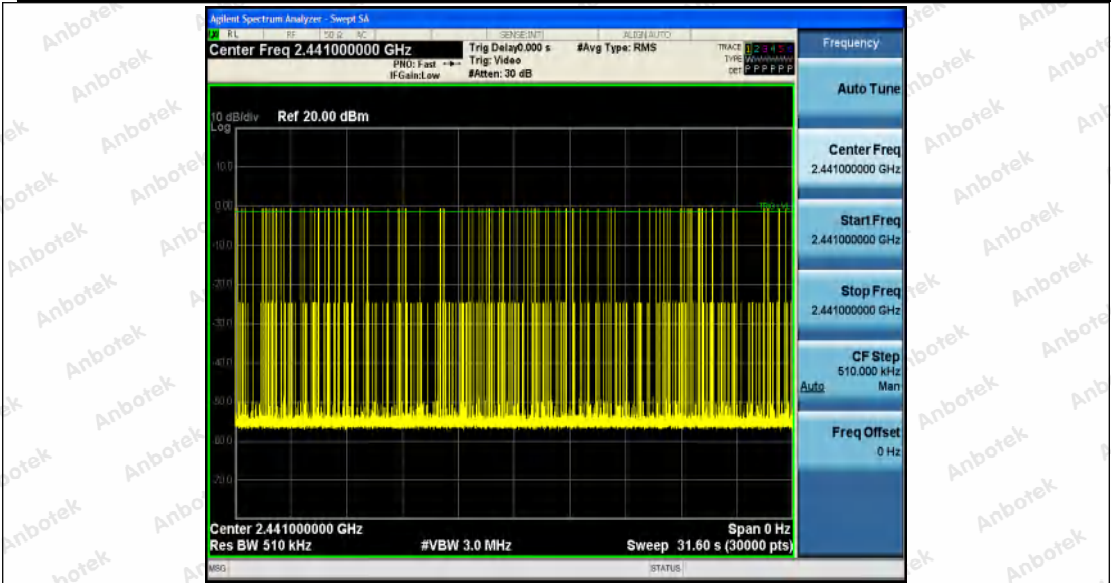


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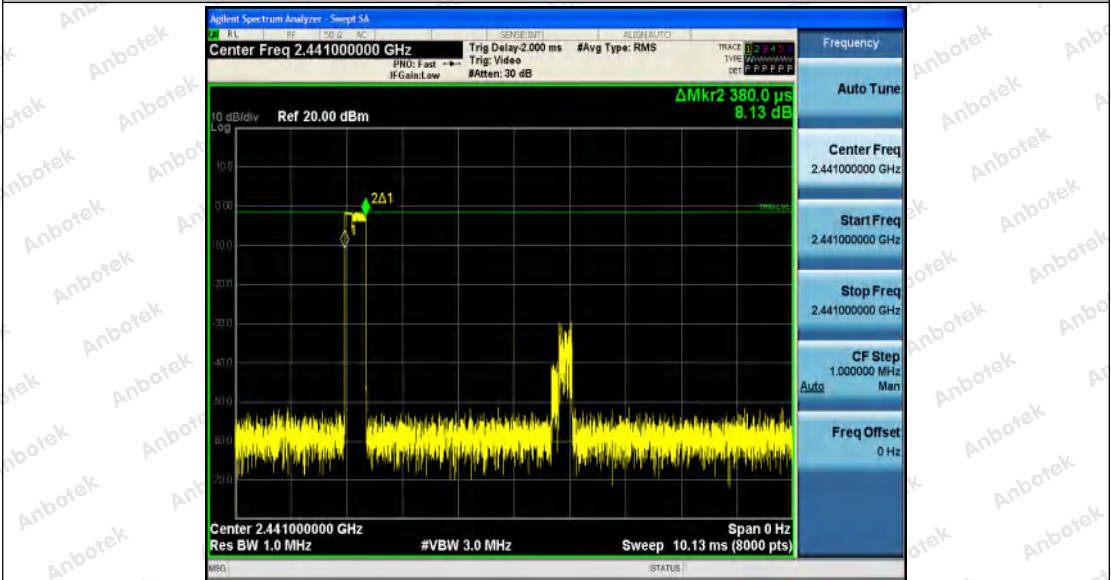
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2DH1_Ant1_Hop



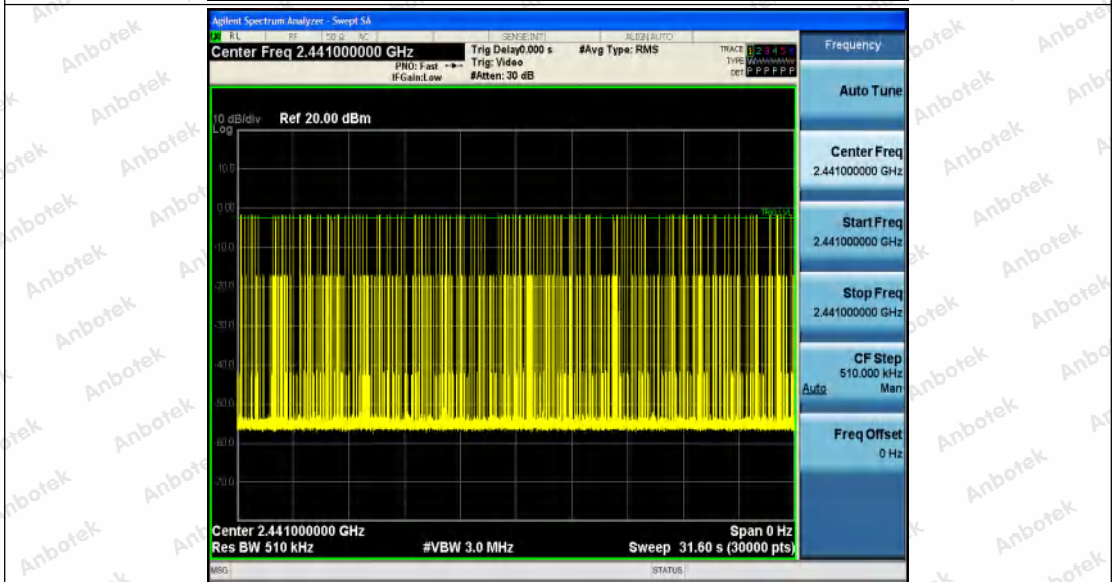
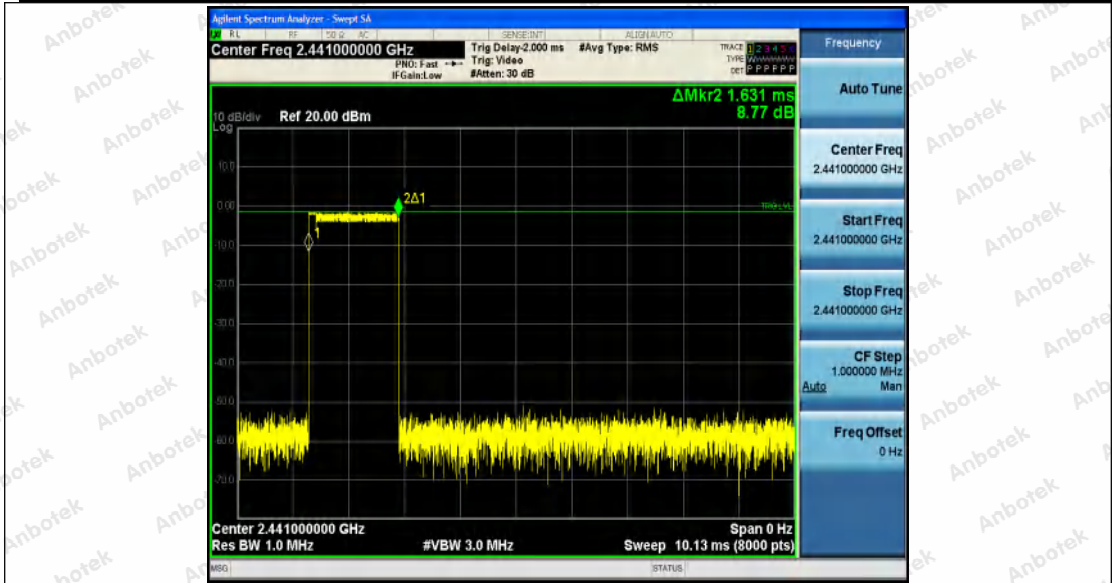
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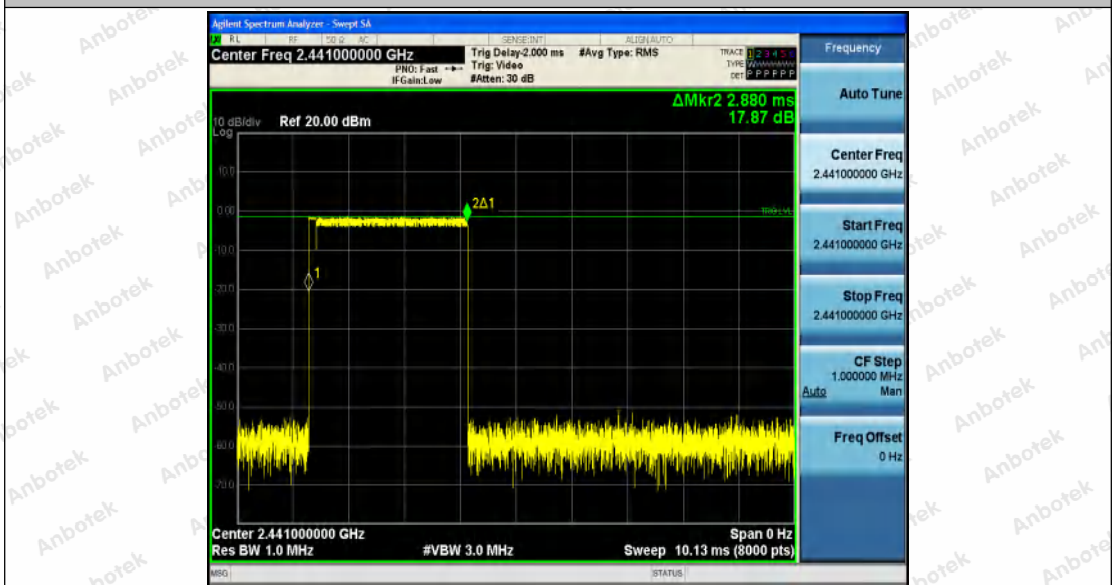
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2DH5_Ant1_Hop

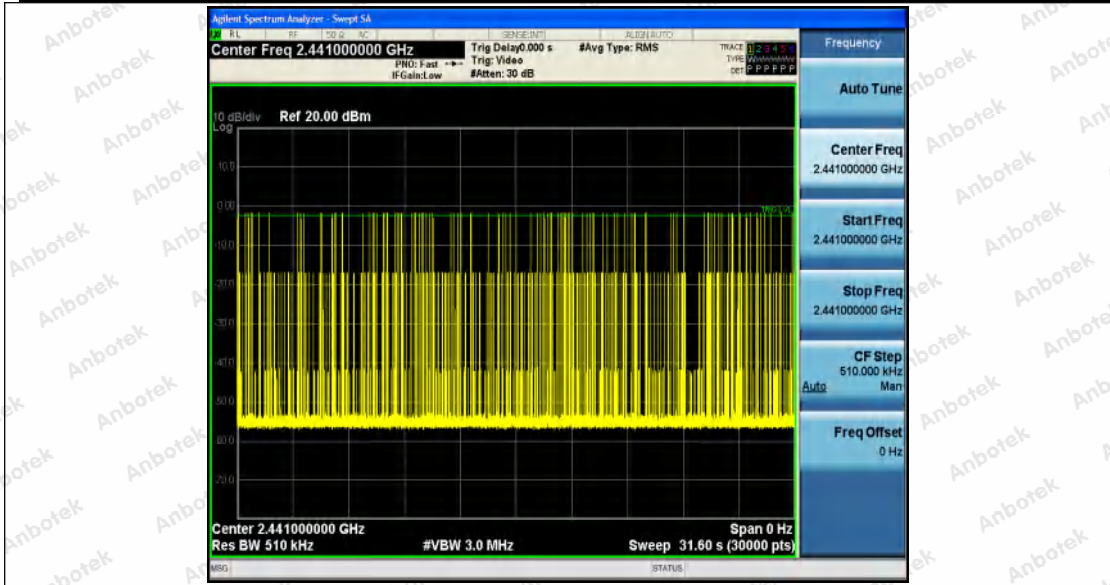


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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

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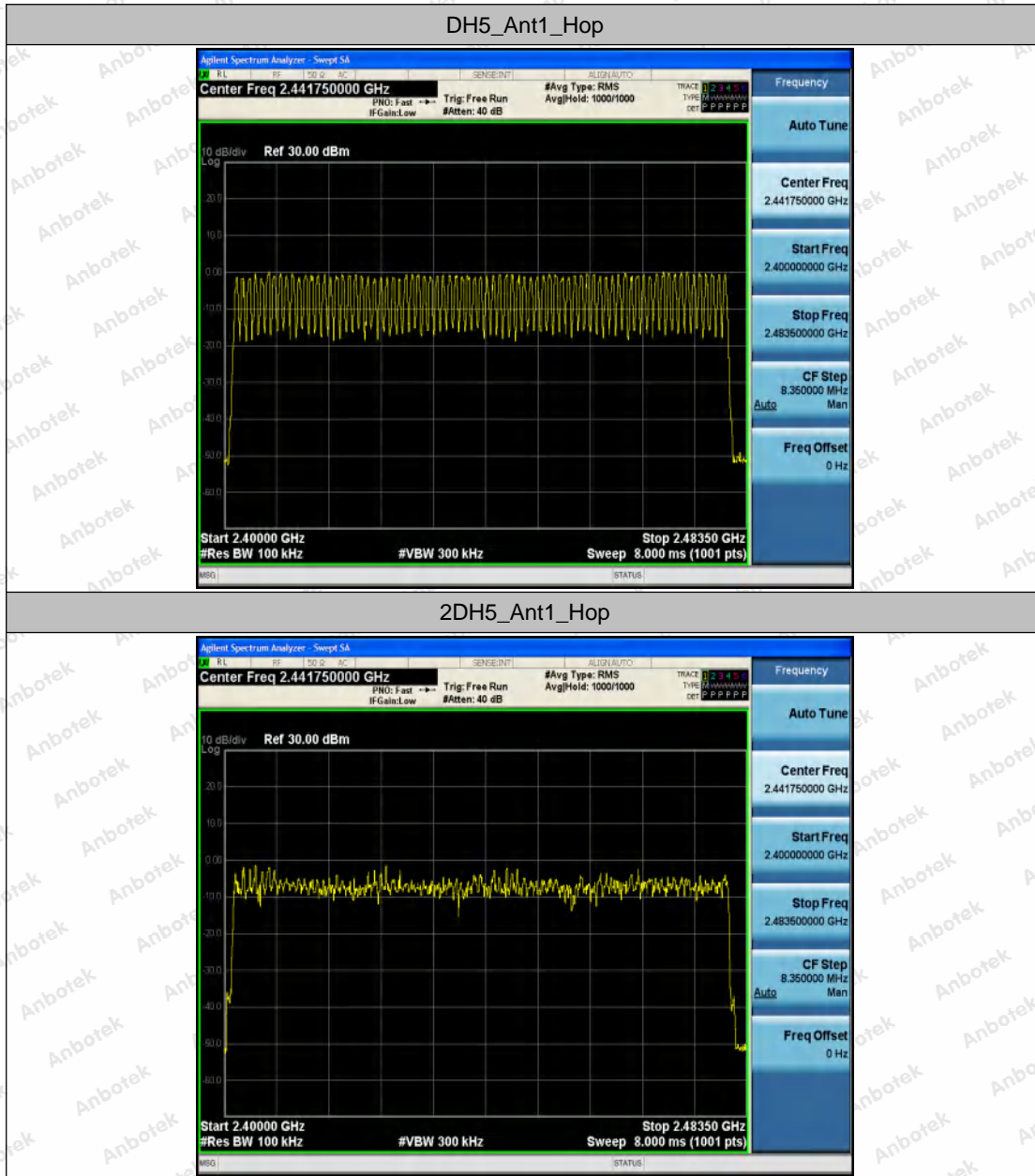
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Test Graphs



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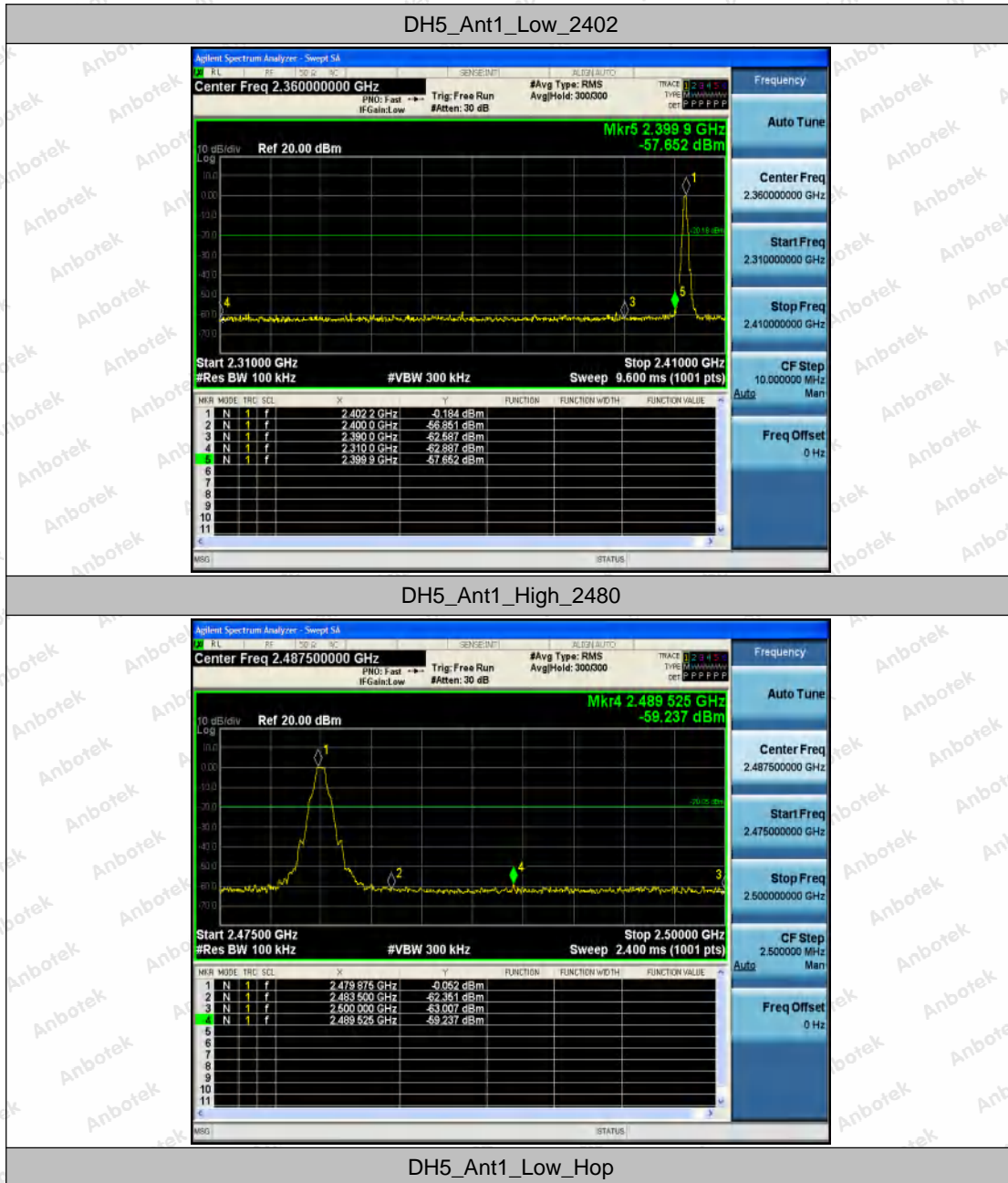
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.18	-57.65	≤-20.18	PASS
		High	2480	-0.05	-59.24	≤-20.05	PASS
		Low	Hop	-0.79	-59.71	≤-20.79	PASS
		High	Hop	-0.05	-61.34	≤-20.05	PASS
2DH5	Ant1	Low	2402	-1.89	-58.04	≤-21.89	PASS
		High	2480	-1.10	-59.38	≤-21.1	PASS
		Low	Hop	-3.22	-60.15	≤-23.22	PASS
		High	Hop	-1.44	-60.19	≤-21.44	PASS



Test Graphs

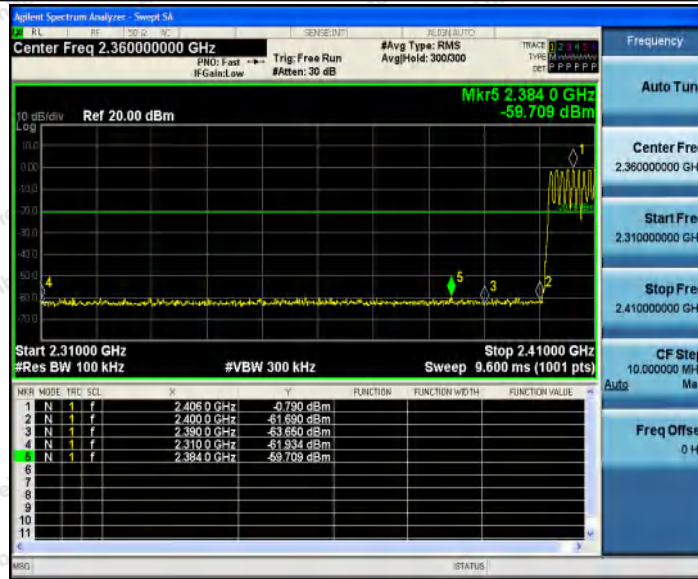


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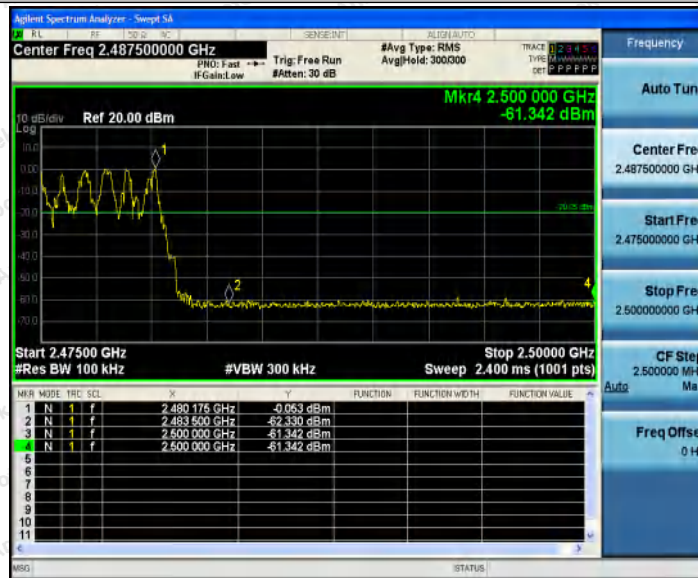
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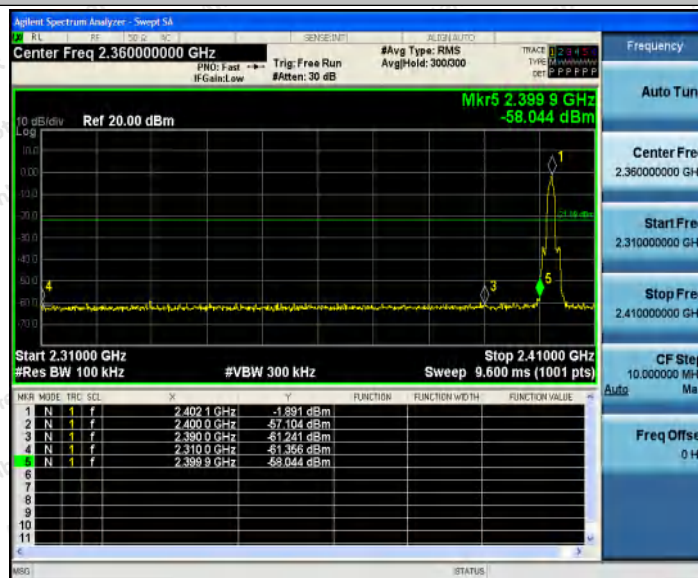




DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



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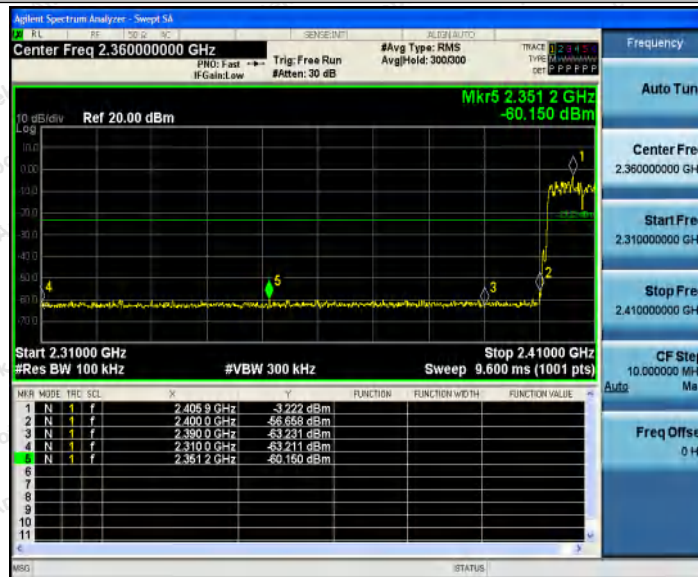
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



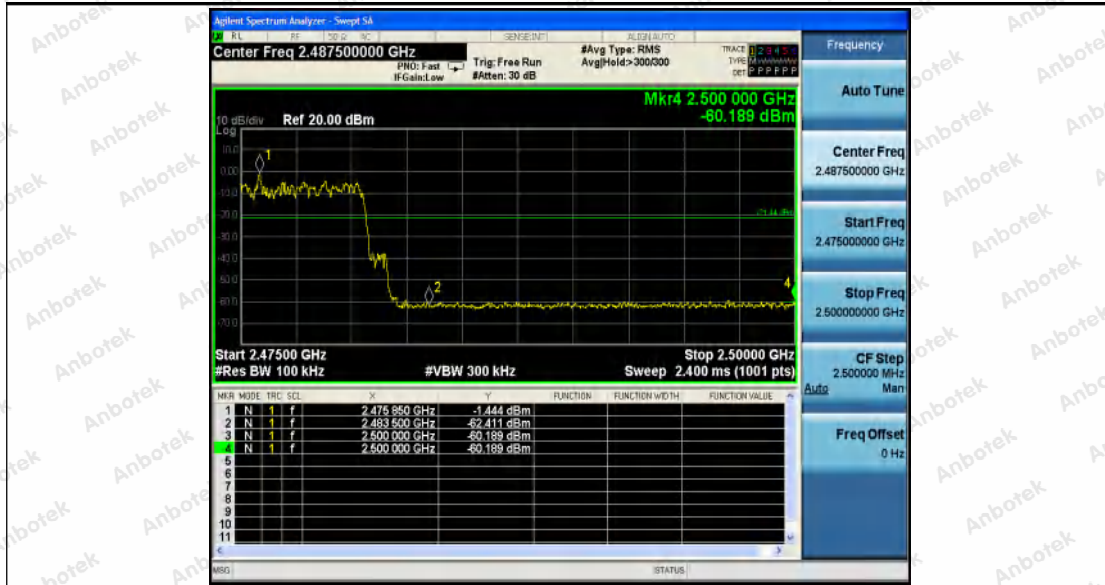
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-70.71	≤-20.37	PASS
			1000~26500	-0.37	-55.85	≤-20.37	PASS
		2441	Reference	-0.62	-0.62	---	PASS
			30~1000	-0.62	-68.15	≤-20.62	PASS
			1000~26500	-0.62	-55.25	≤-20.62	PASS
		2480	Reference	-0.58	-0.58	---	PASS
			30~1000	-0.58	-70.37	≤-20.58	PASS
			1000~26500	-0.58	-55.96	≤-20.58	PASS
2DH5	Ant1	2402	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-69.81	≤-21.85	PASS
			1000~26500	-1.85	-54.84	≤-21.85	PASS
		2441	Reference	-1.91	-1.91	---	PASS
			30~1000	-1.91	-69.21	≤-21.91	PASS
			1000~26500	-1.91	-55.84	≤-21.91	PASS
		2480	Reference	-1.35	-1.35	---	PASS
			30~1000	-1.35	-69.43	≤-21.35	PASS
			1000~26500	-1.35	-55.72	≤-21.35	PASS

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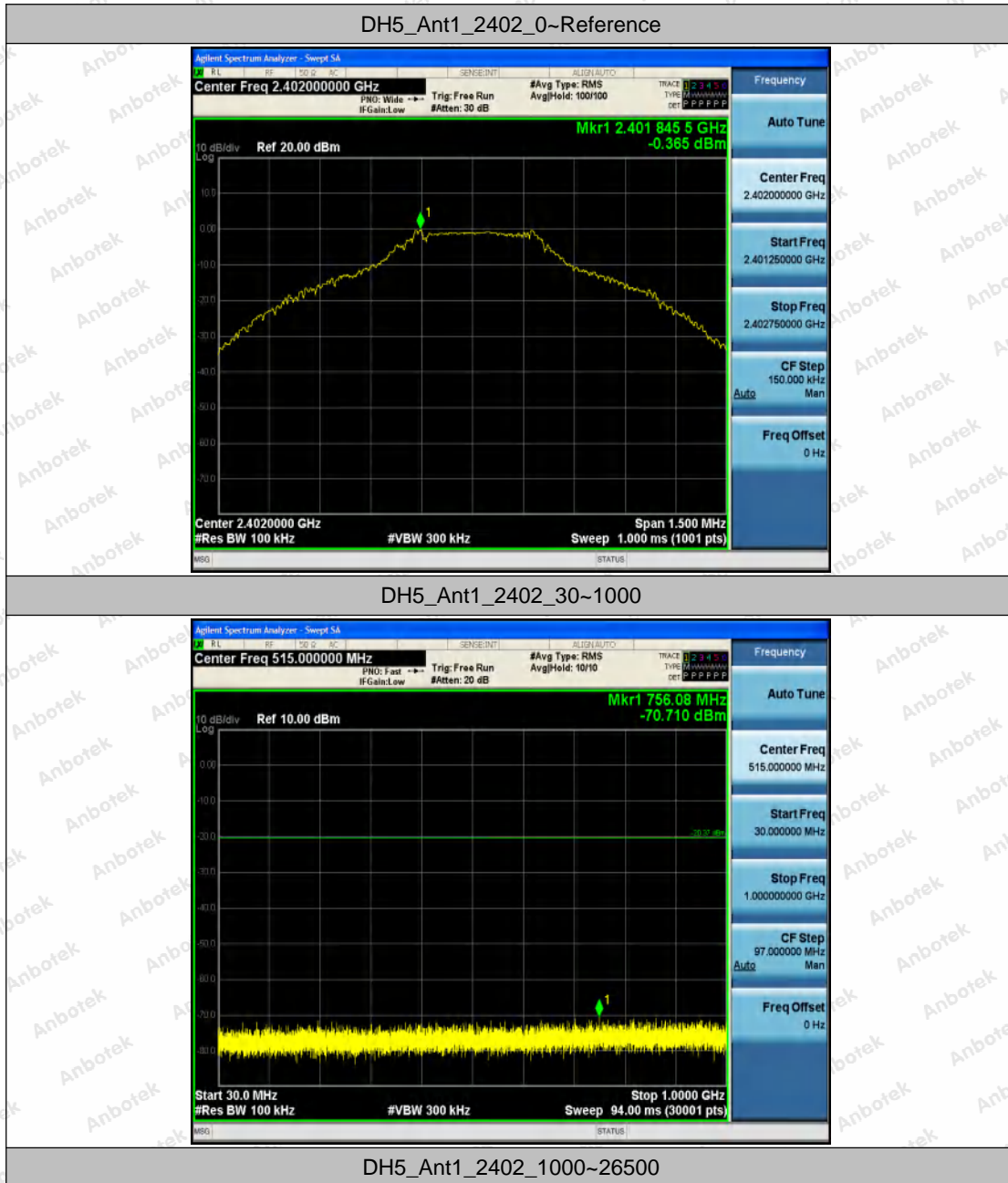
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Test Graphs

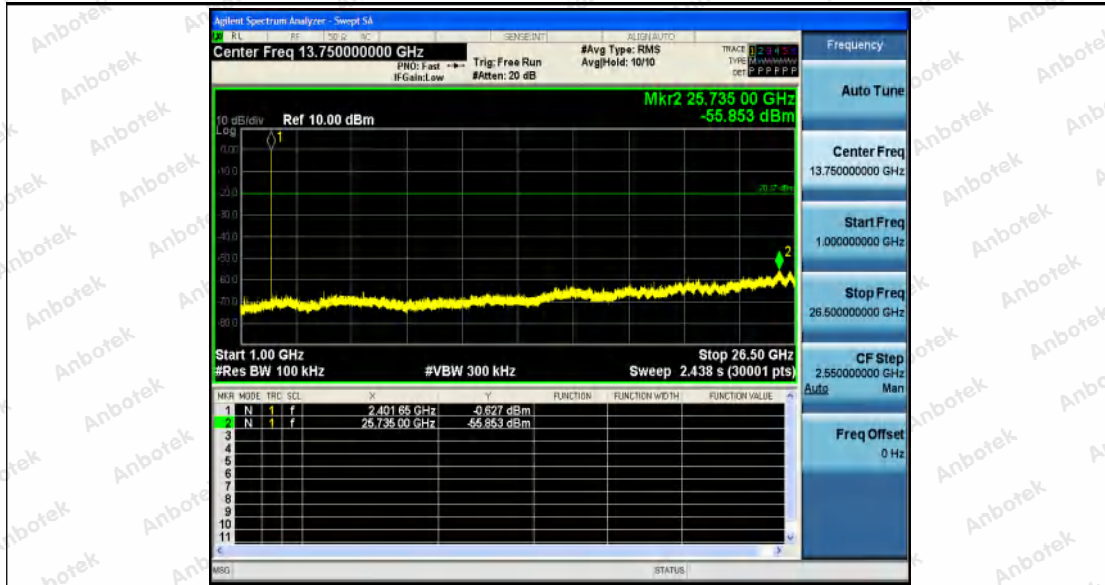


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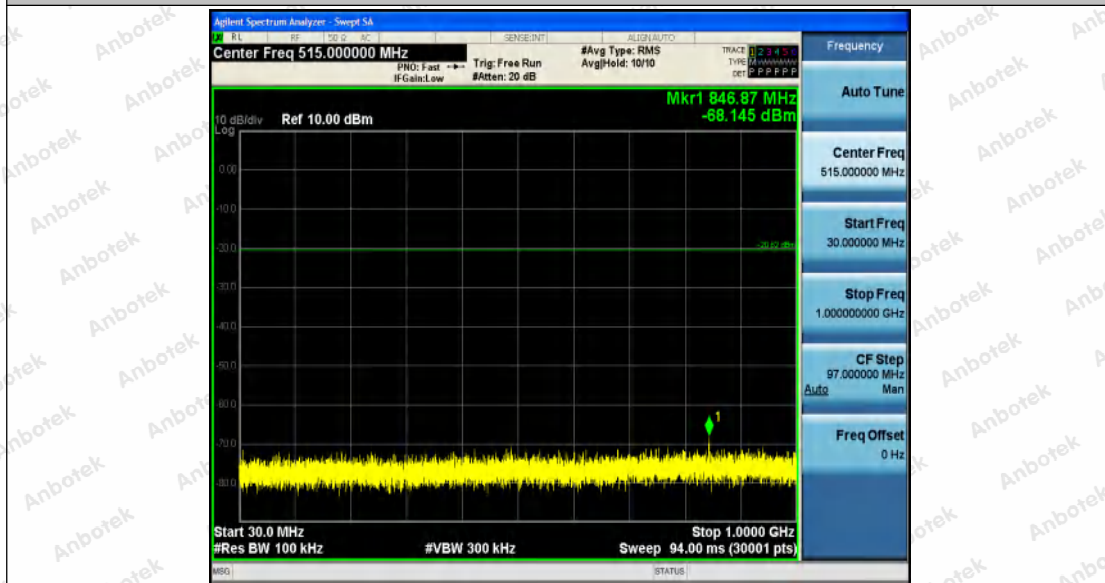




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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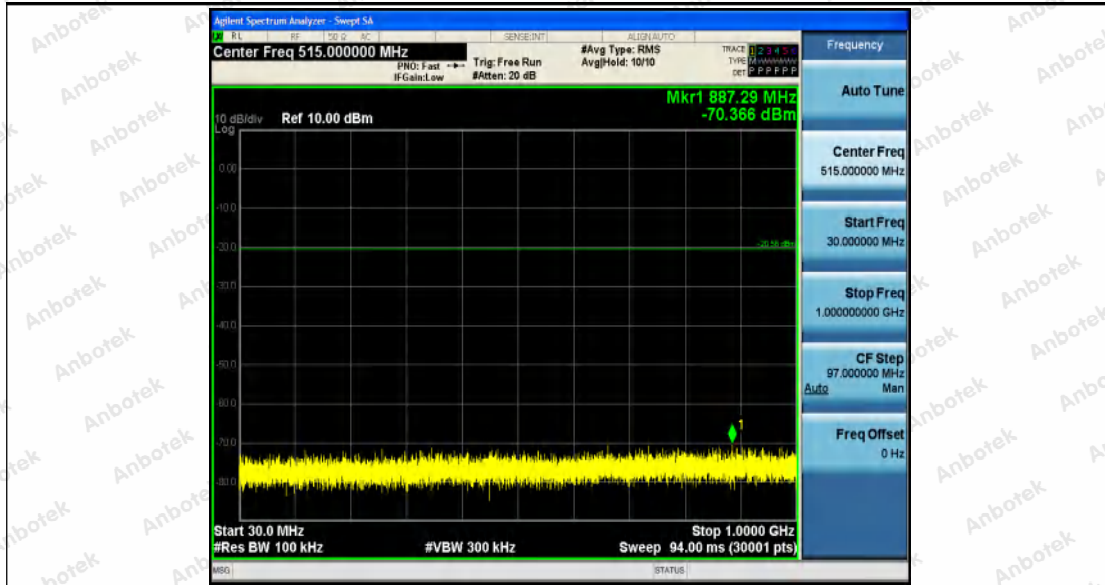


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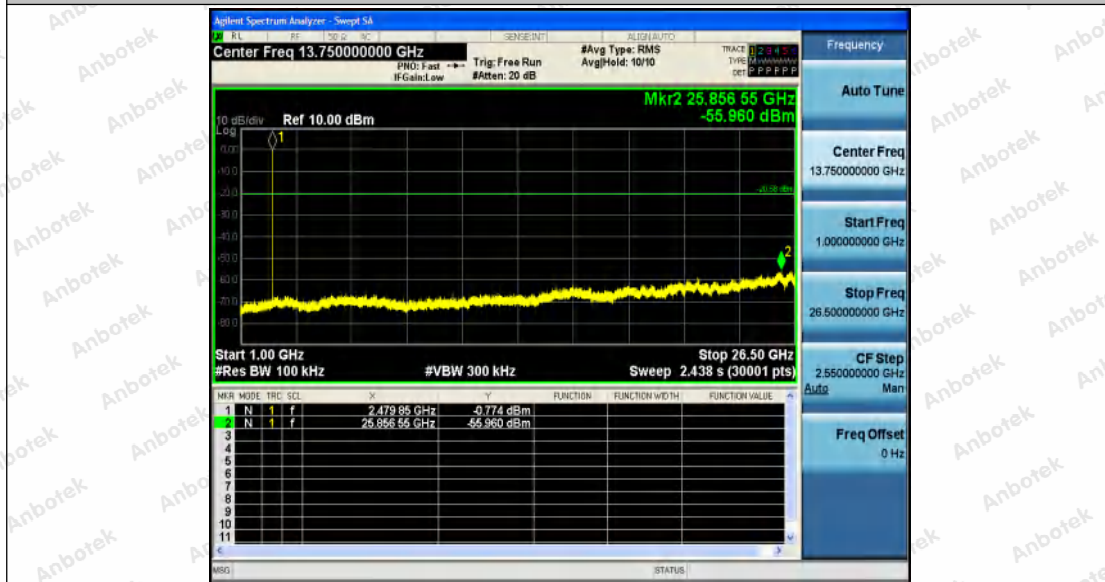
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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

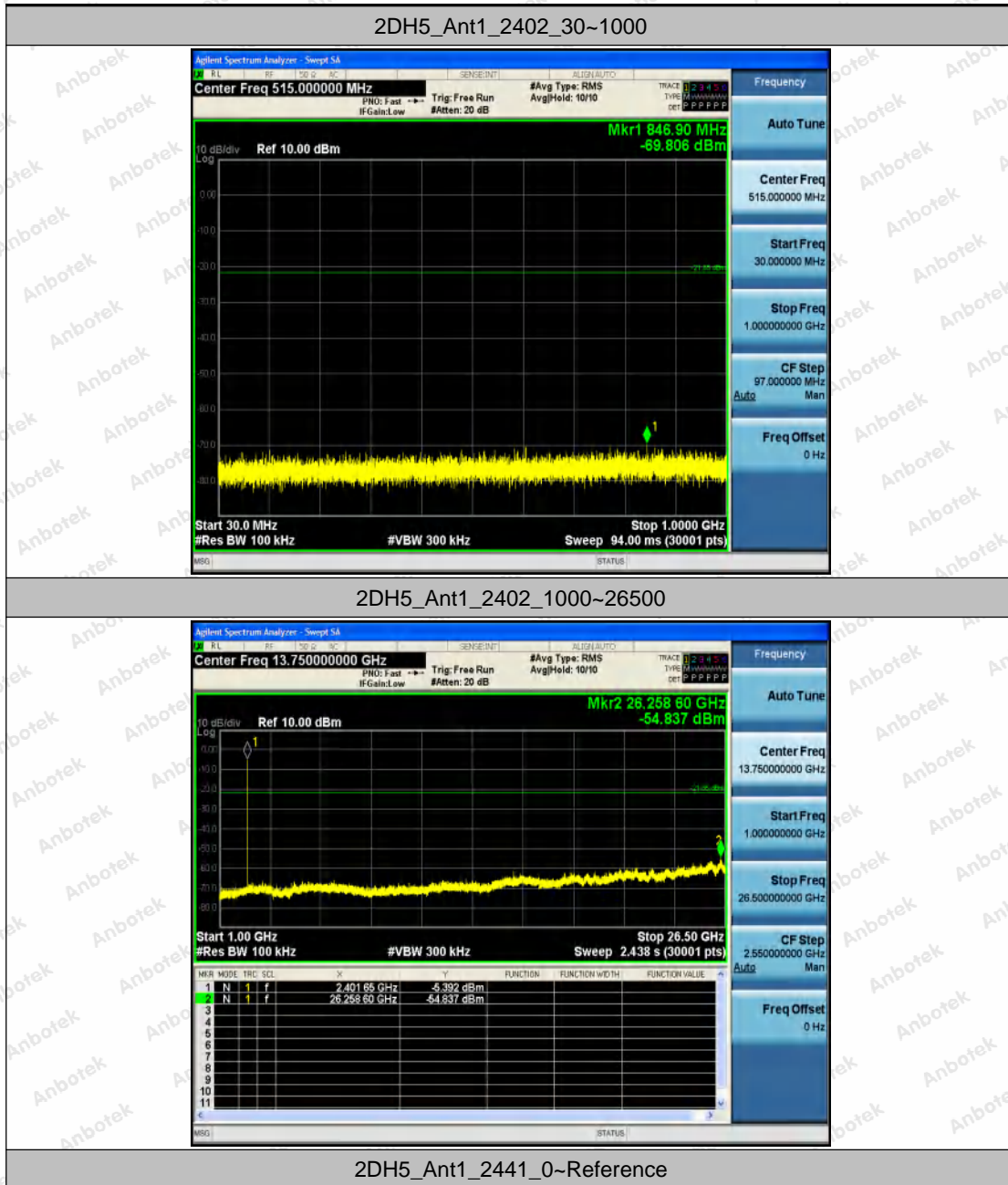


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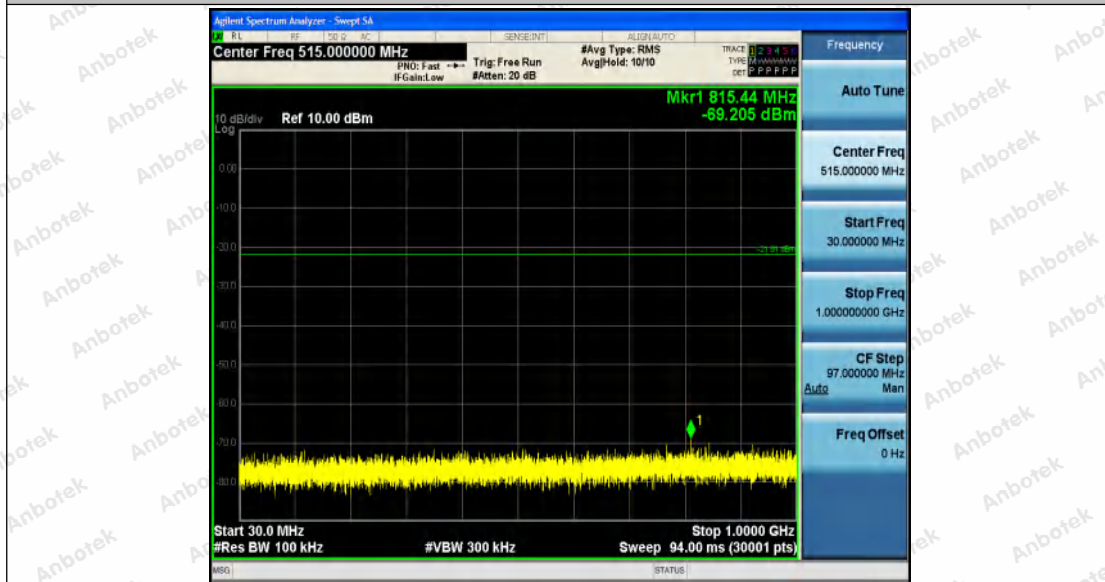
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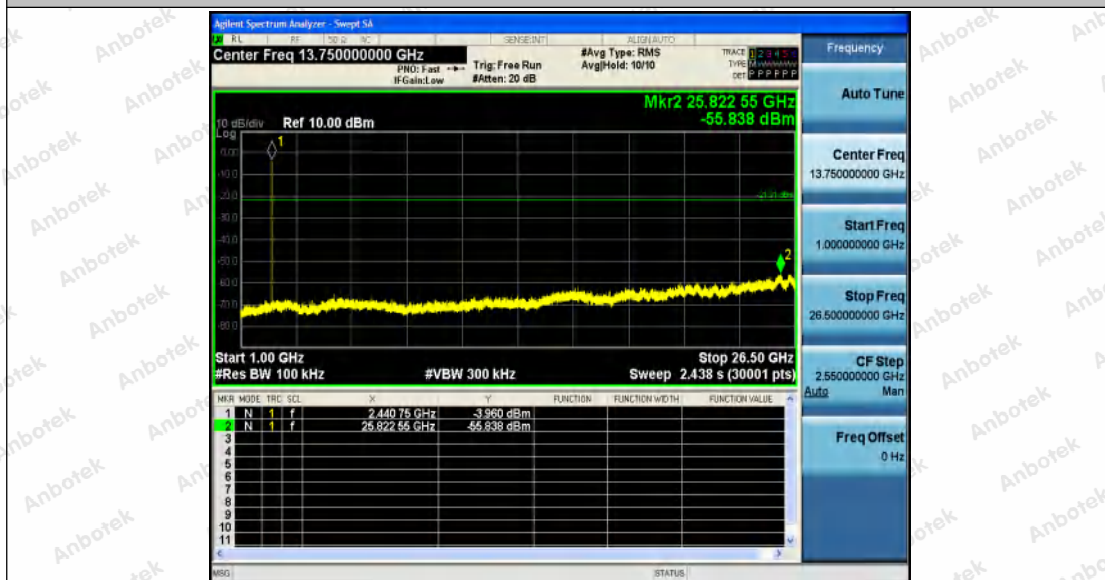




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500

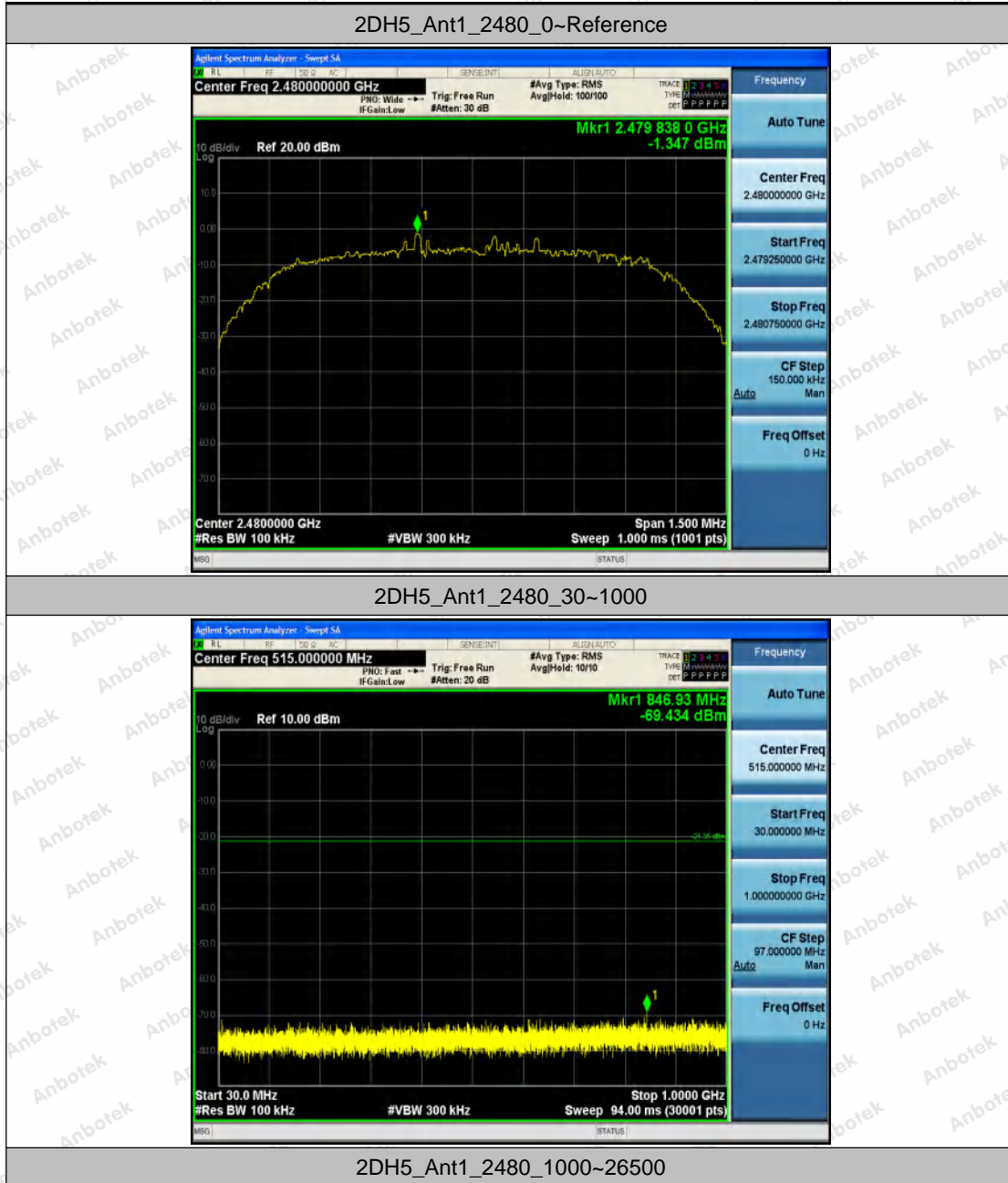


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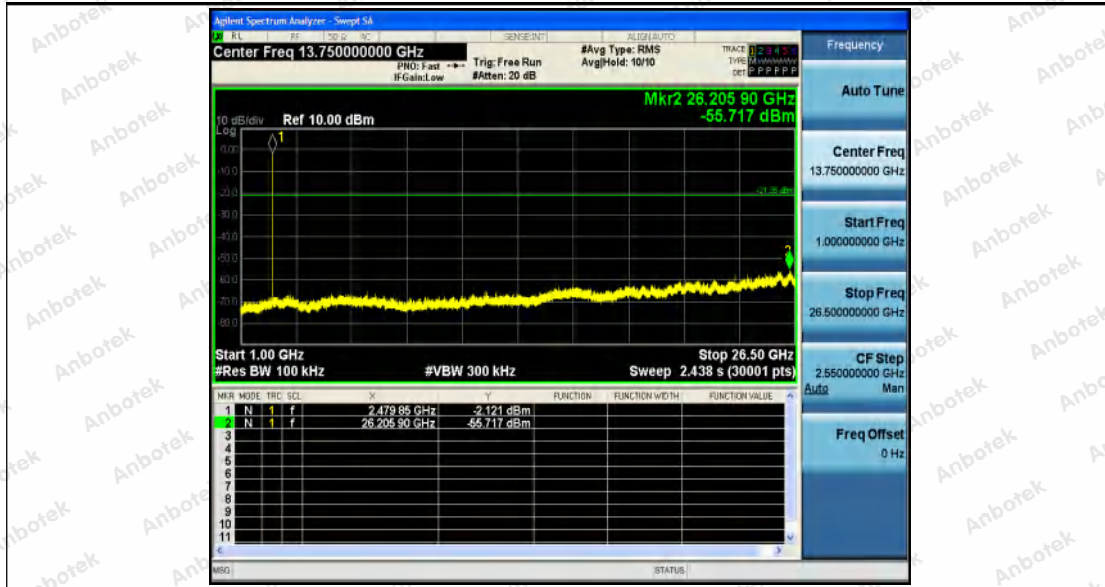


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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.87	3.75	0.765 3	76.53	1.16	---	PASS
2DH5	Ant1	2402	2.88	3.75	0.768 0	76.80	1.15	---	PASS

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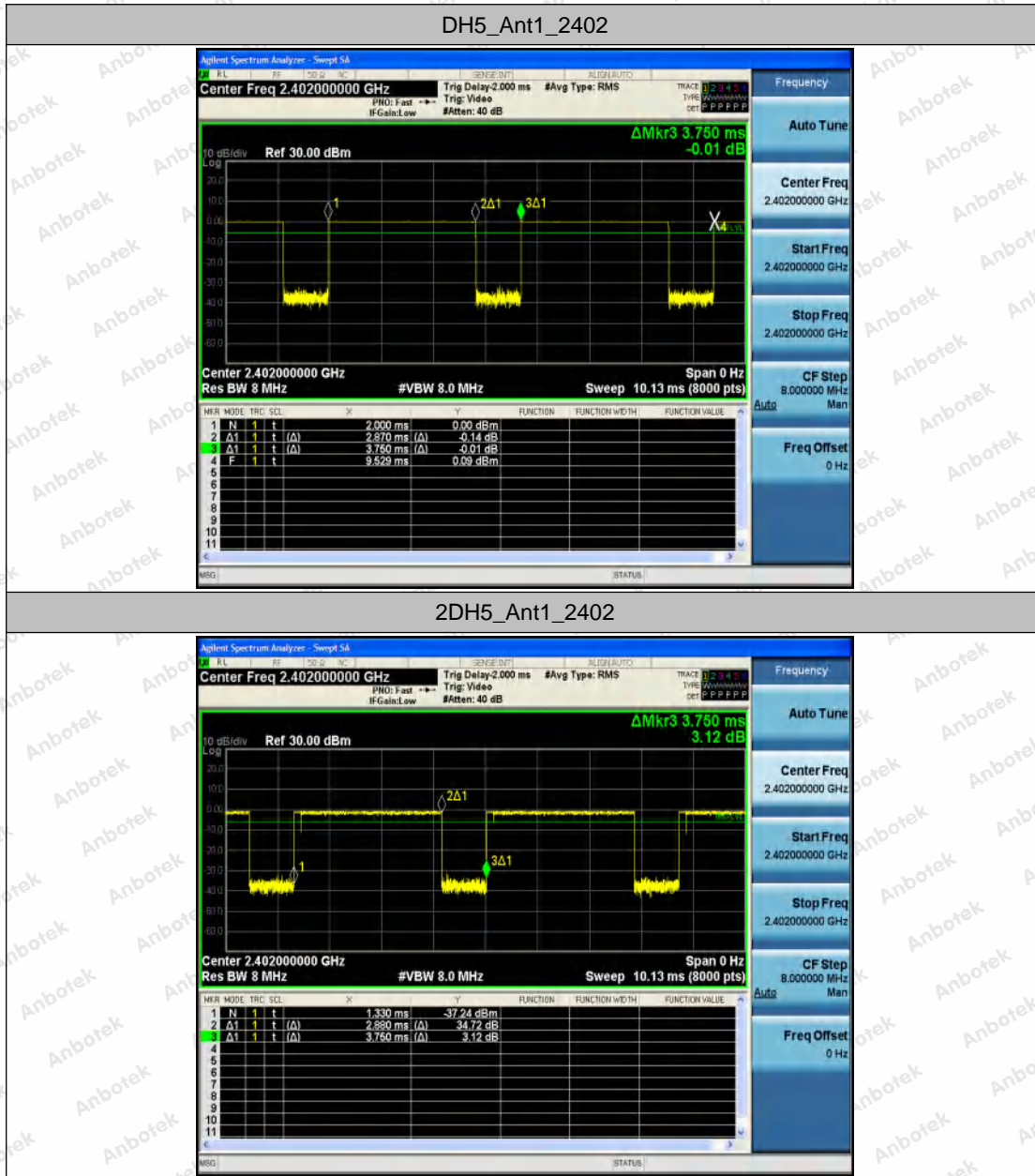
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Test Graphs



---End---

