

Appendix Test Data

Report No.:	18220WC20145301	Test Sample No.:	1-2-2
Start Test Date:	2022.7.5	Finish Test Date:	2022.7.13
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.2 %
Pressure:	1012 hPa		

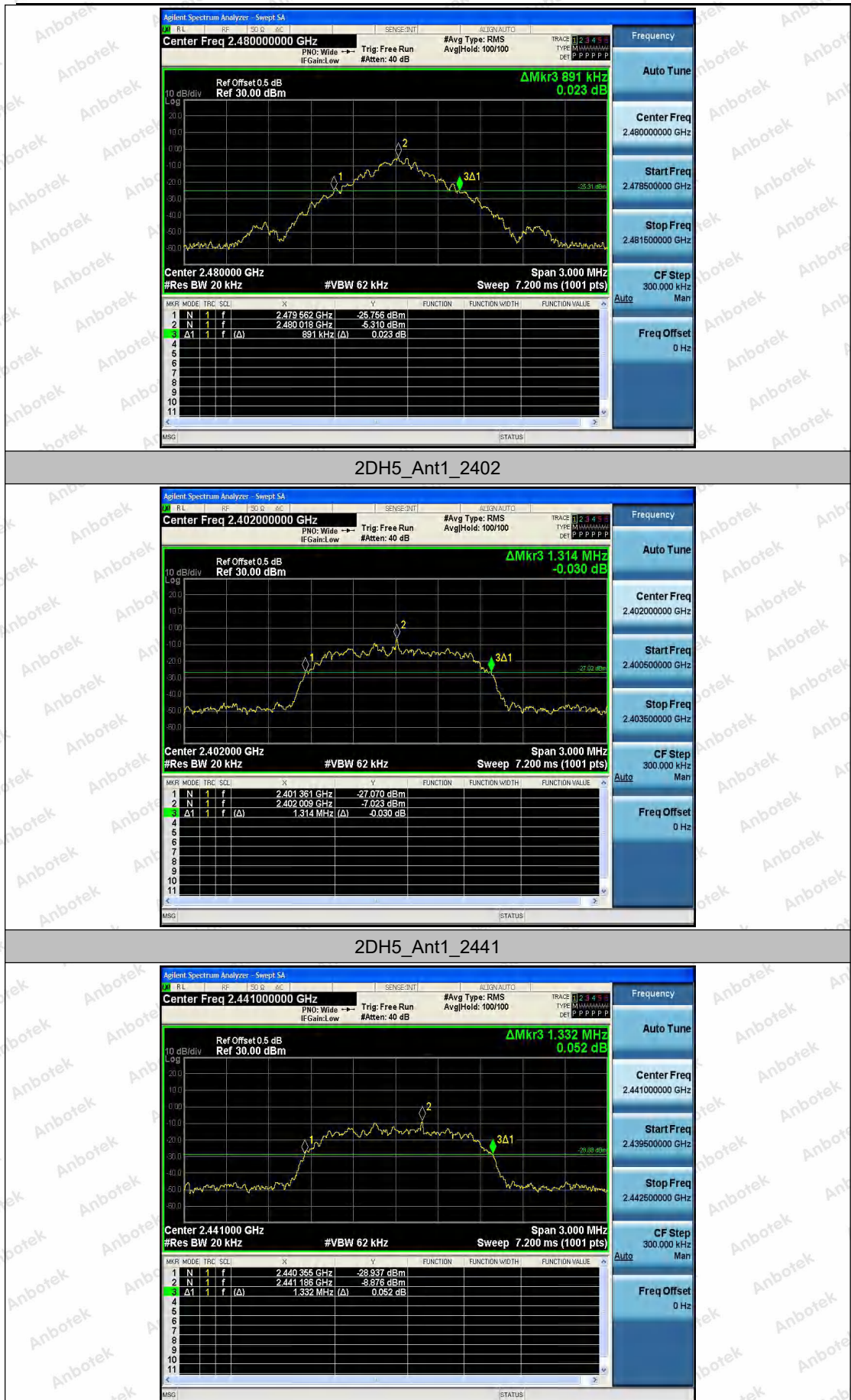
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.894	2401.559	2402.453	---	PASS
		2441	0.894	2440.559	2441.453	---	PASS
		2480	0.891	2479.562	2480.453	---	PASS
2DH5	Ant1	2402	1.314	2401.361	2402.675	---	PASS
		2441	1.332	2440.355	2441.687	---	PASS
		2480	1.329	2479.355	2480.684	---	PASS







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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	0.84946	2401.58 8	2402.437	---	PASS
		2441	0.85379	2440.58 6	2441.440	---	PASS
		2480	0.84336	2479.59 2	2480.435	---	PASS
2DH5	Ant1	2402	1.1949	2401.41 8	2402.613	---	PASS
		2441	1.1890	2440.42 3	2441.612	---	PASS
		2480	1.1884	2479.42 3	2480.611	---	PASS



Test Graphs



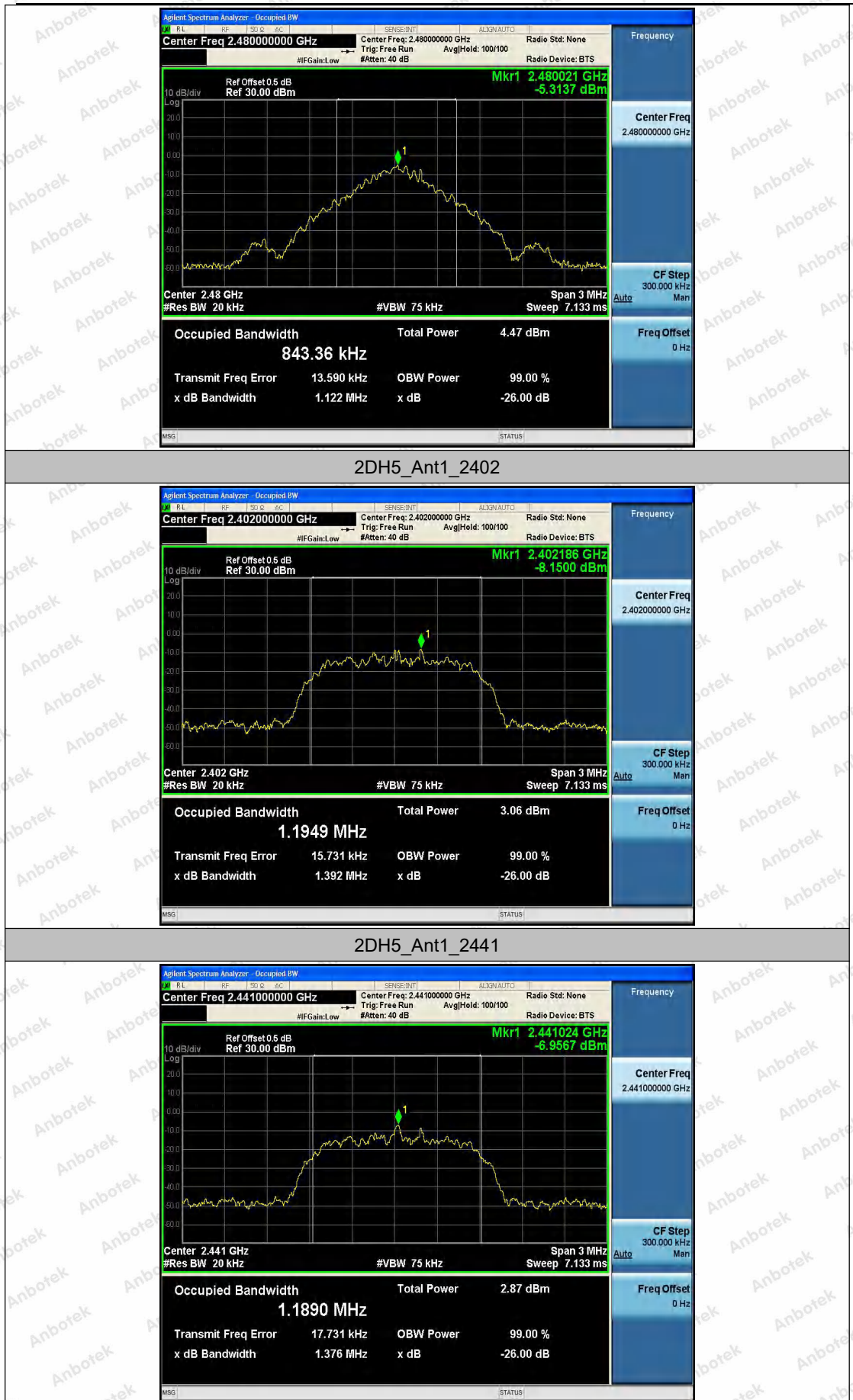
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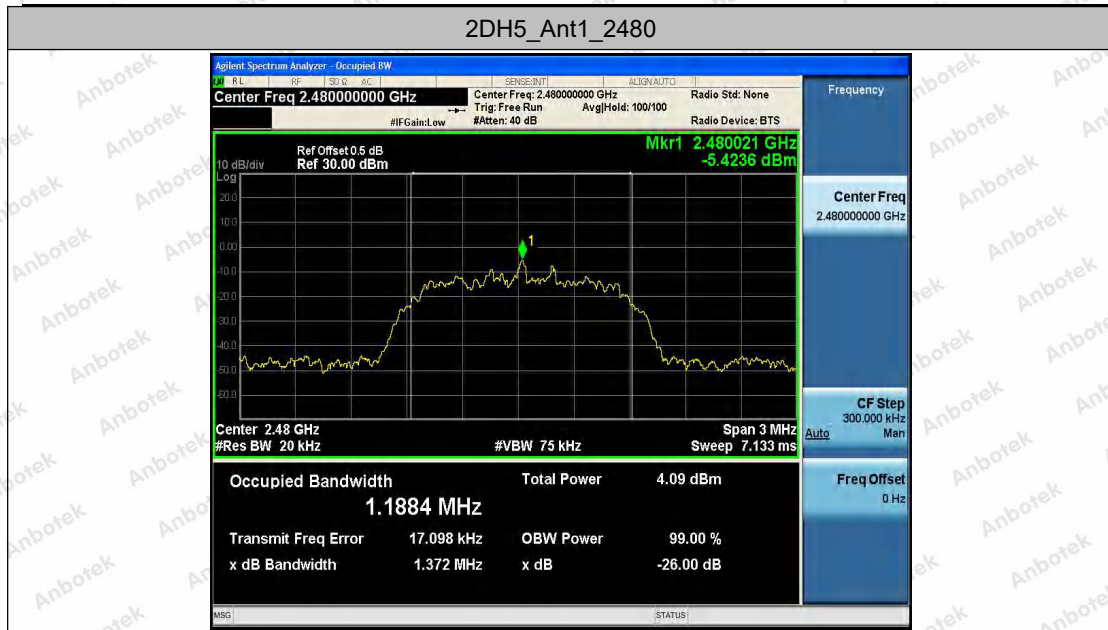
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-2.49	≤20.97	PASS
		2441	-3.09	≤20.97	PASS
		2480	-1.96	≤20.97	PASS
2DH5	Ant1	2402	-1.79	≤20.97	PASS
		2441	-2.42	≤20.97	PASS
		2480	-1.28	≤20.97	PASS

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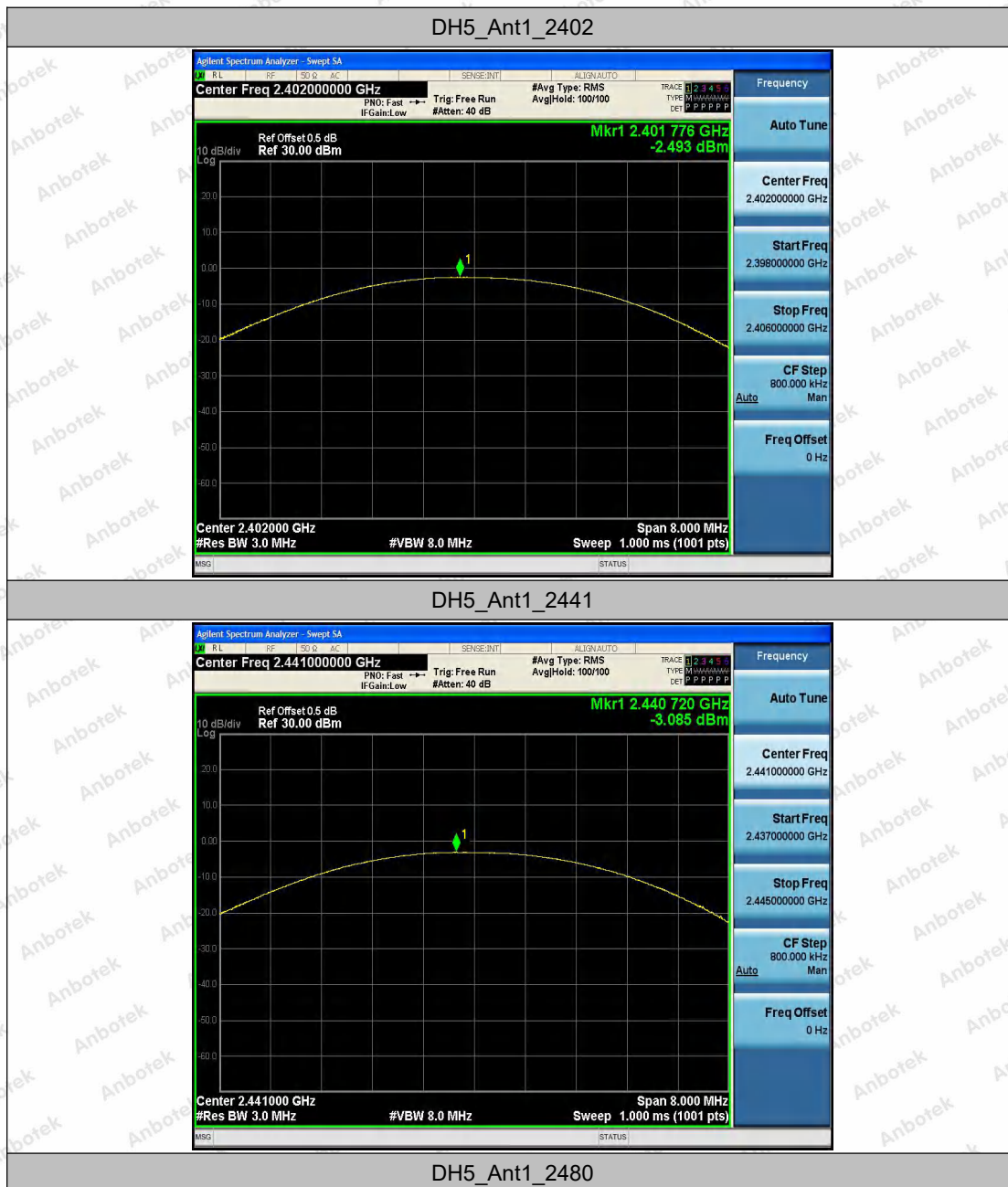
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Test Graphs



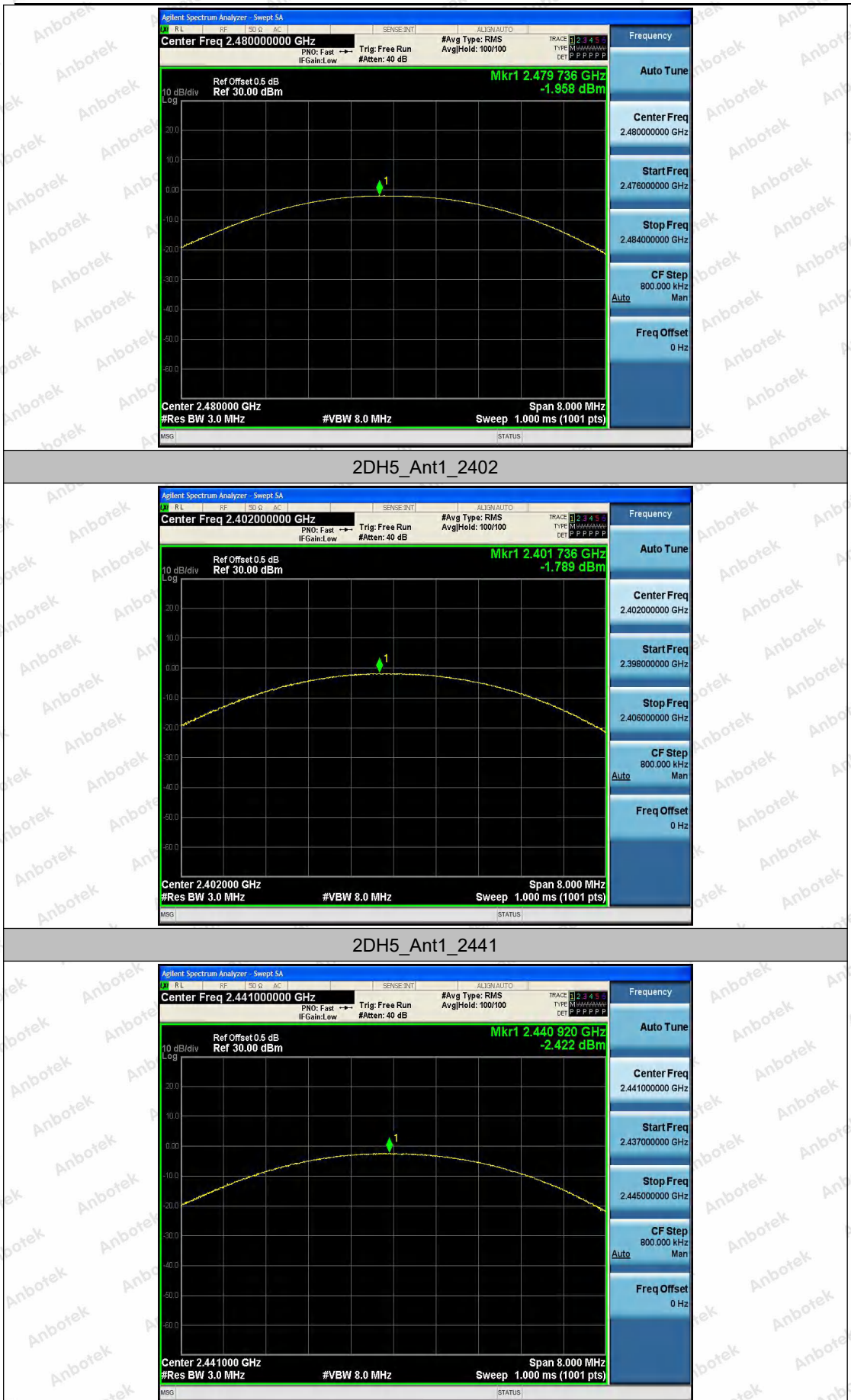
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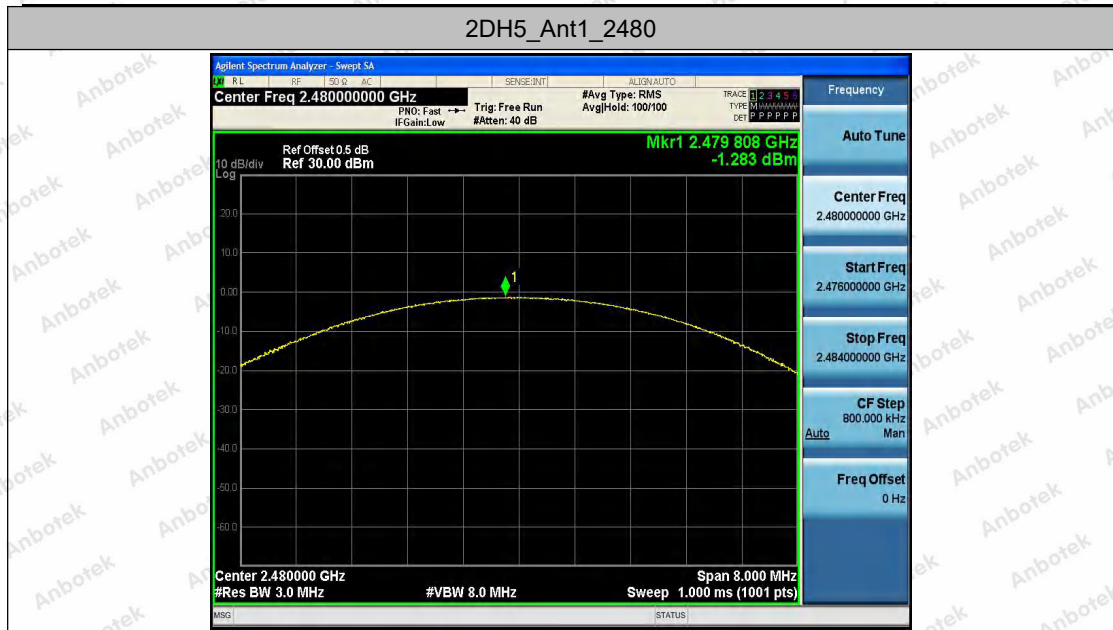
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.838	≥0.596	PASS
2DH5	Ant1	Hop	0.926	≥0.888	PASS



Test Graphs



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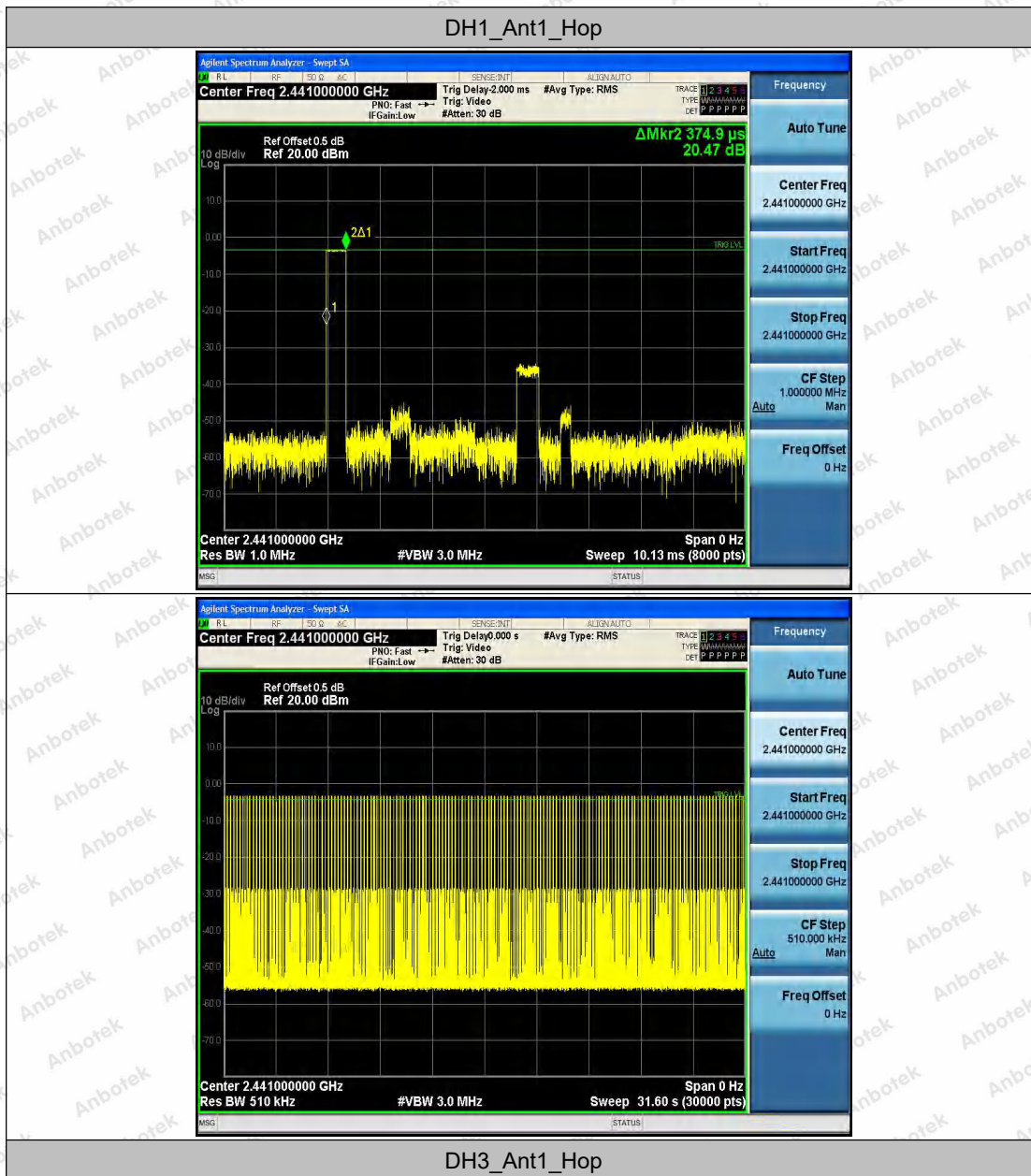
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	318	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.63	155	0.253	≤0.4	PASS
DH5	Ant1	Hop	2.88	105	0.302	≤0.4	PASS
2DH1	Ant1	Hop	0.39	316	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.64	164	0.269	≤0.4	PASS
2DH5	Ant1	Hop	2.88	103	0.297	≤0.4	PASS



Test Graphs



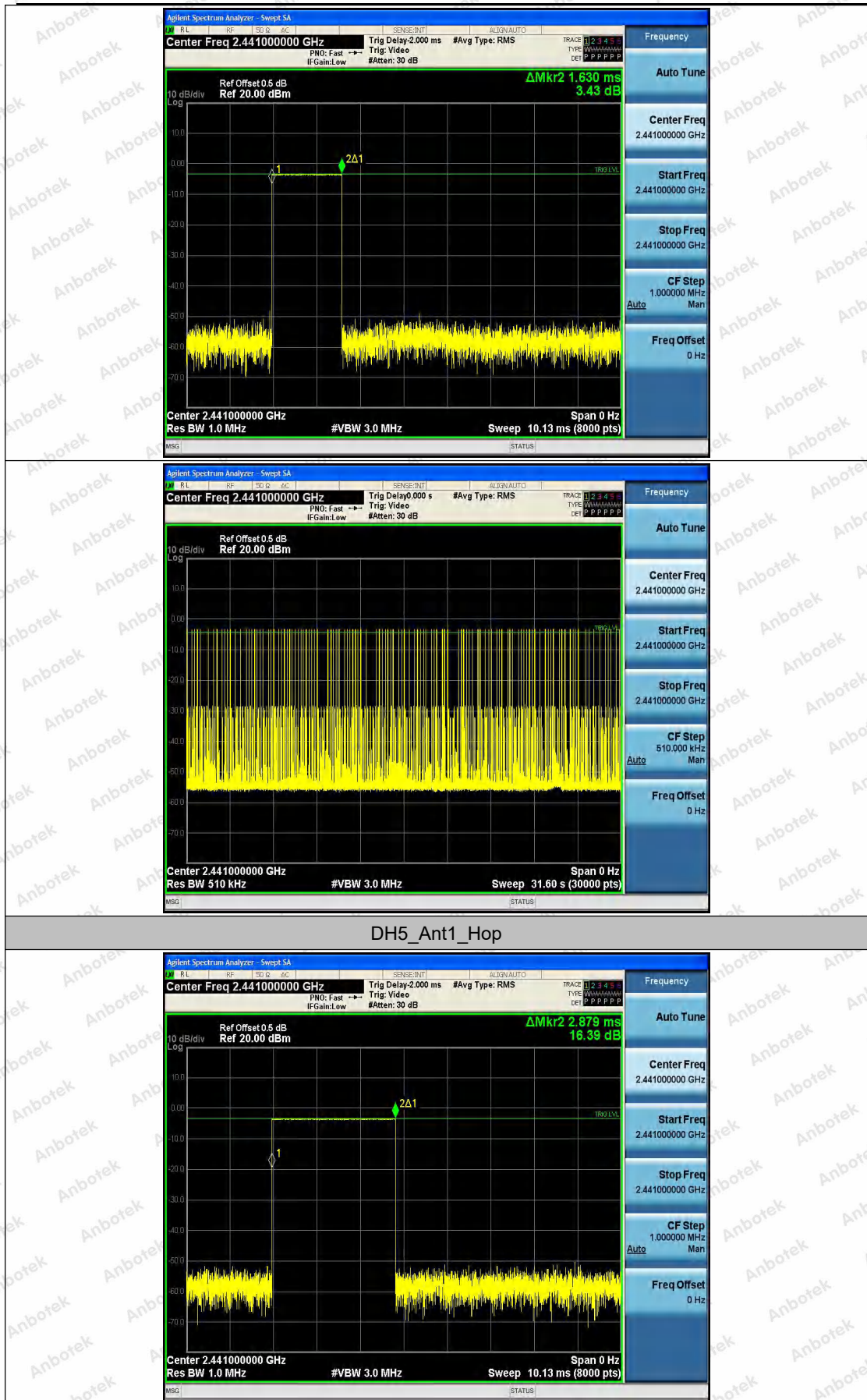
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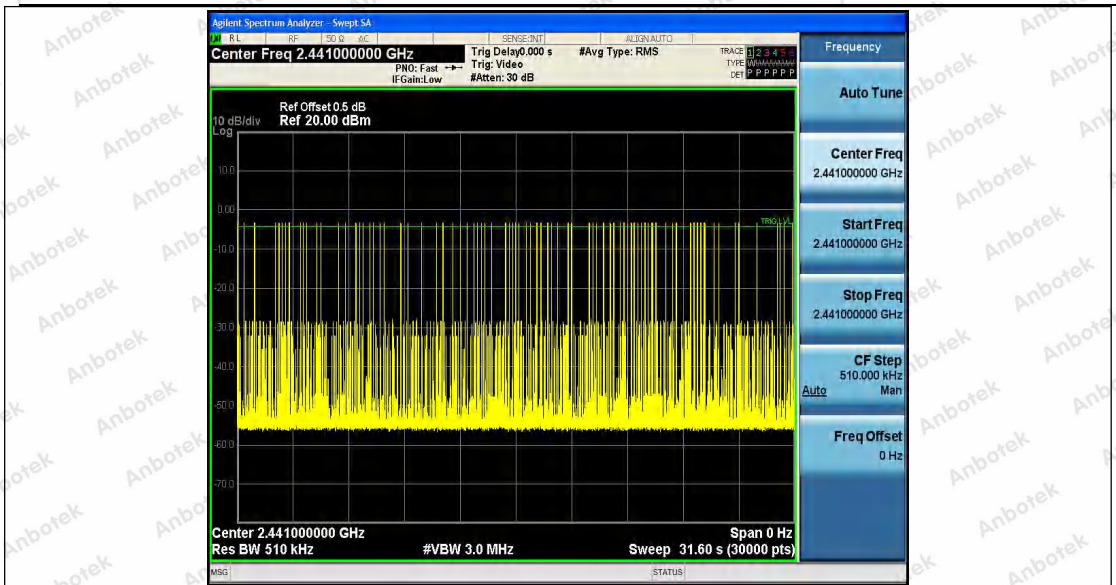
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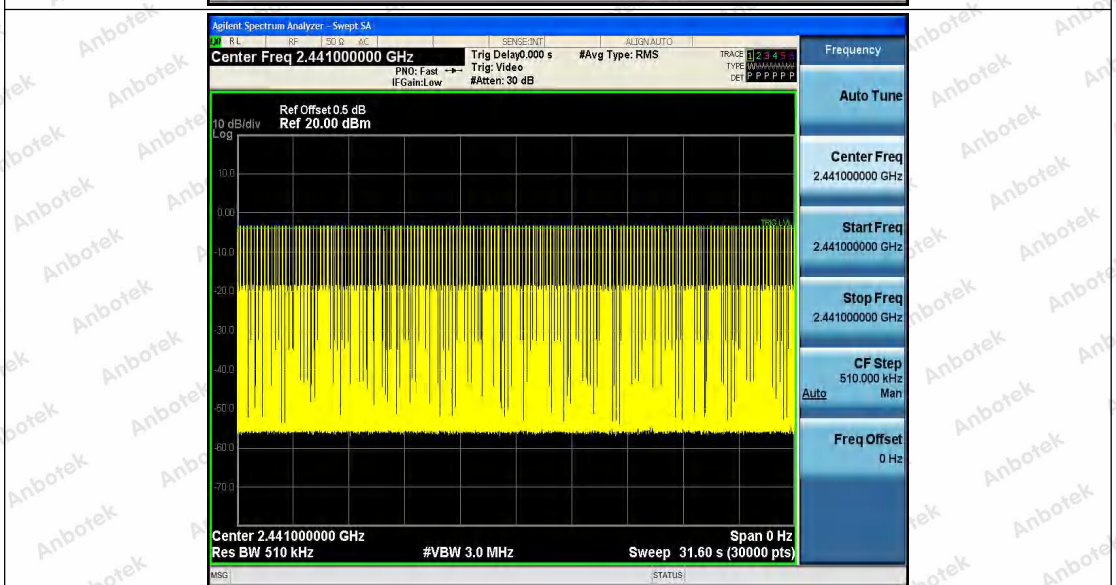
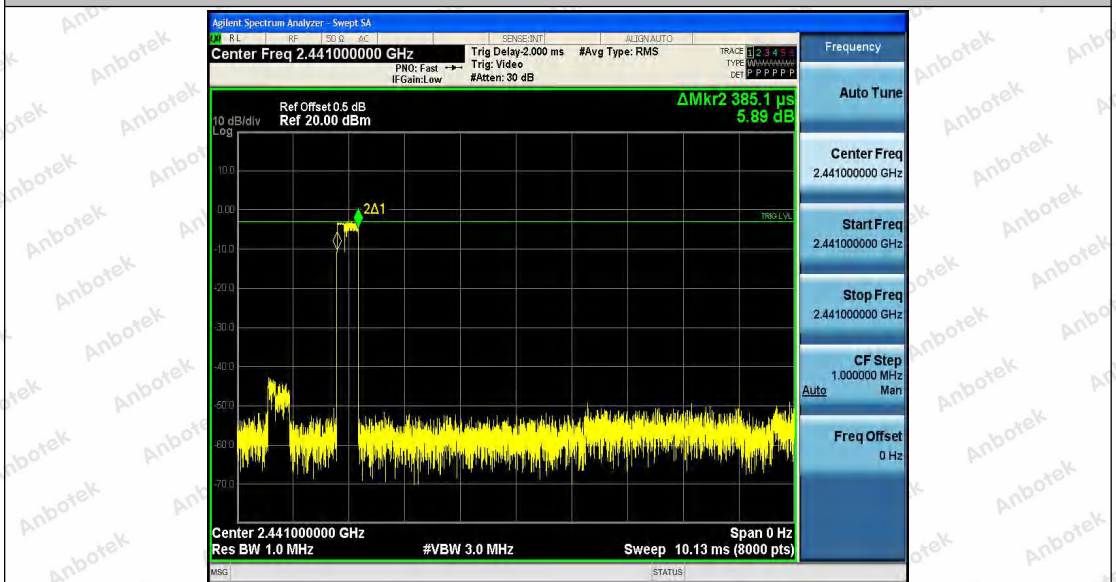


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2DH1_Ant1_Hop



2DH3_Ant1_Hop

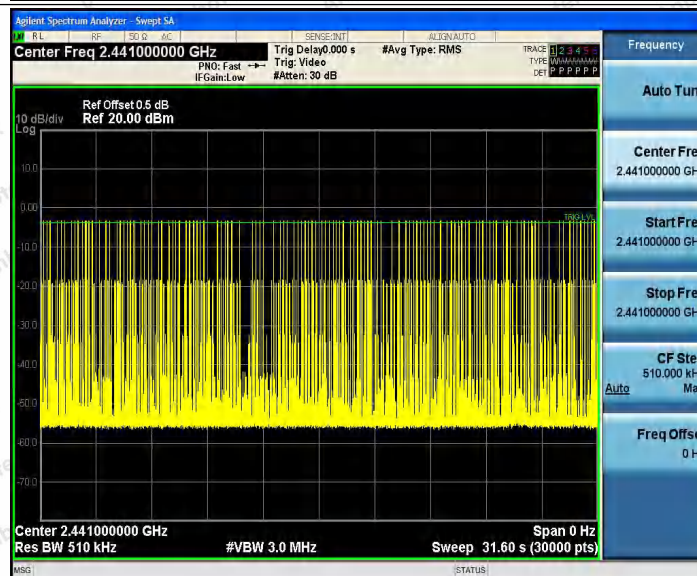
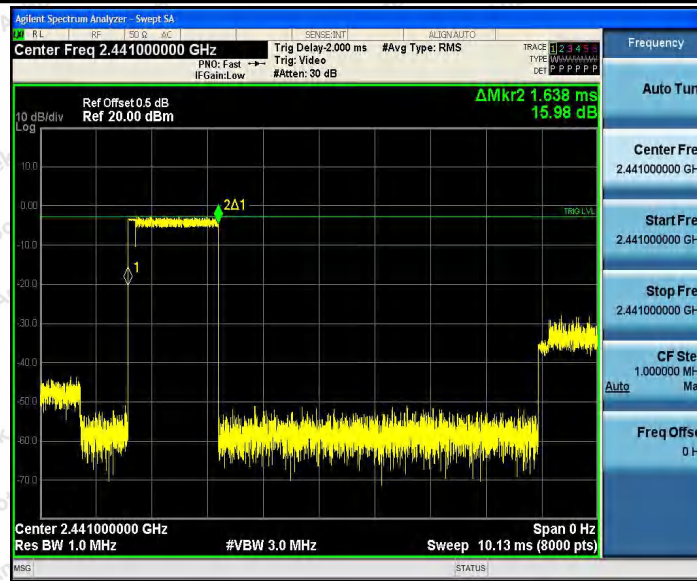
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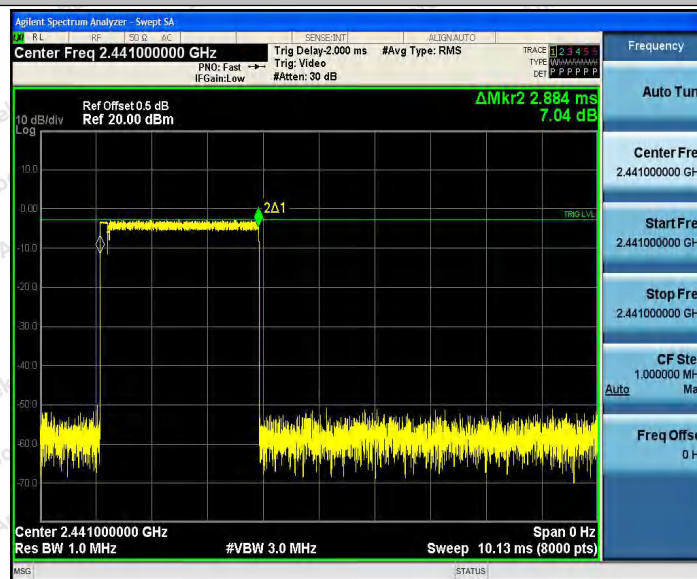


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2DH5_Ant1_Hop



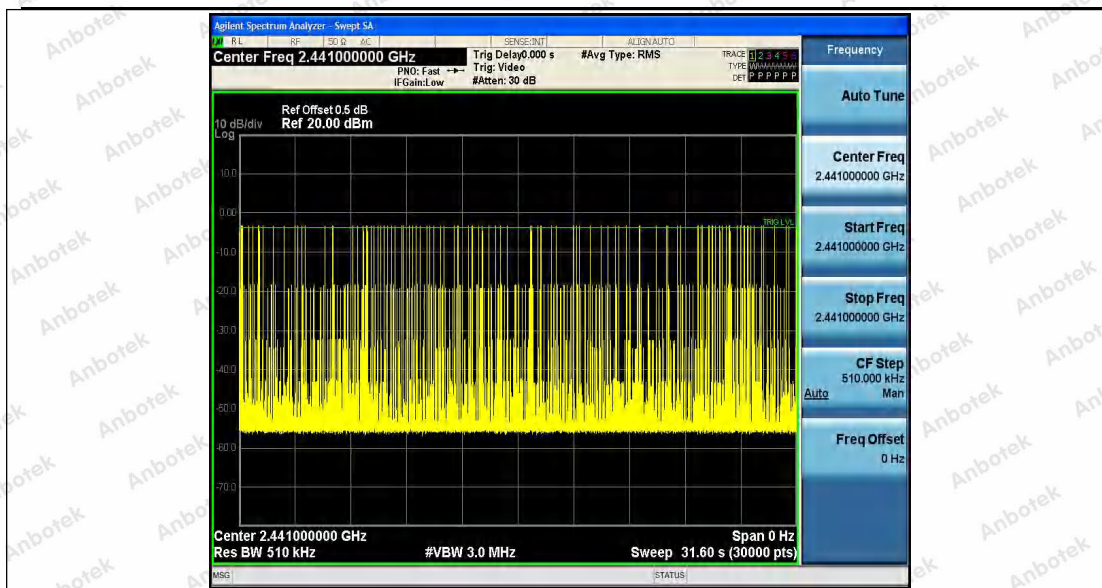
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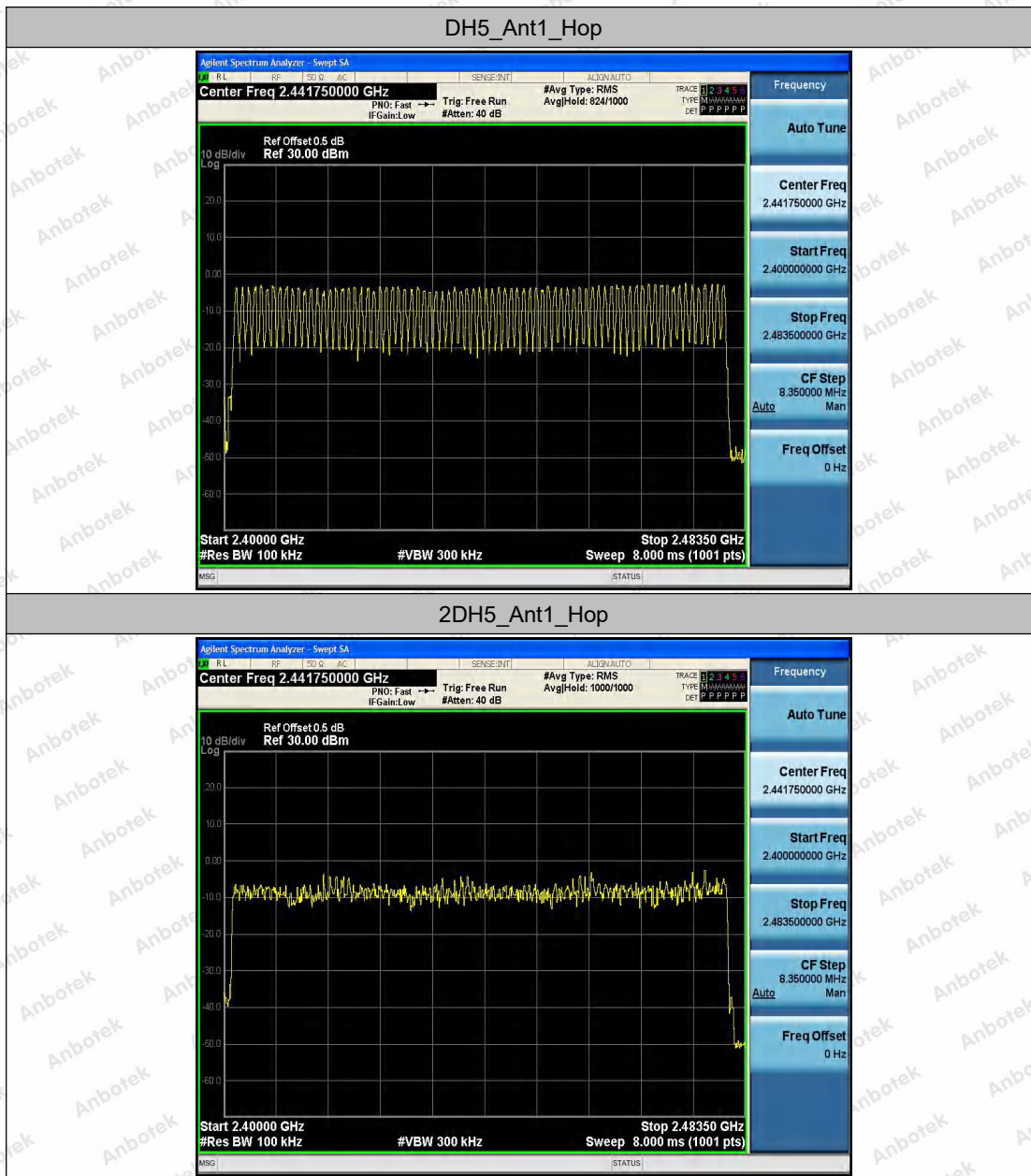
Appendix F: Number of hopping channels

Test Result

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



Test Graphs



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Appendix G: Band edge measurements

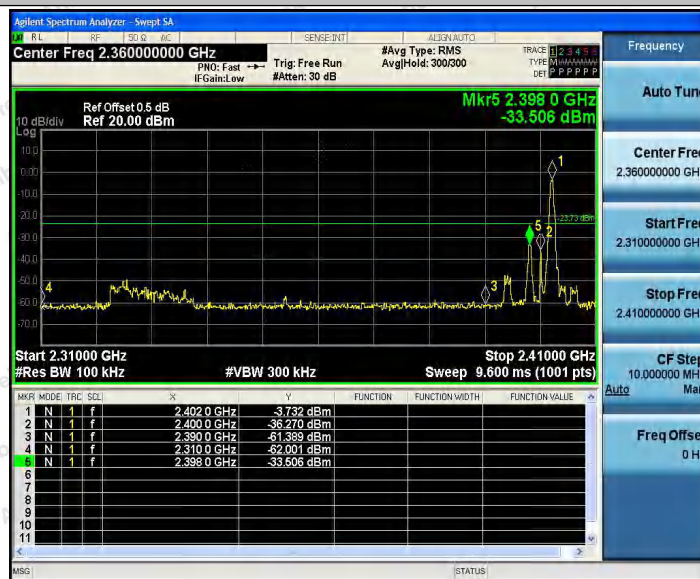
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.73	-33.51	≤-23.73	PASS
		High	2480	-2.36	-48.27	≤-22.36	PASS
		Low	Hop	-3.02	-56.21	≤-23.02	PASS
		High	Hop	-2.51	-60	≤-22.51	PASS
2DH5	Ant1	Low	2402	-2.98	-33.11	≤-22.98	PASS
		High	2480	-2.32	-48.65	≤-22.32	PASS
		Low	Hop	-4.11	-48.97	≤-24.11	PASS
		High	Hop	-2.80	-61.93	≤-22.8	PASS

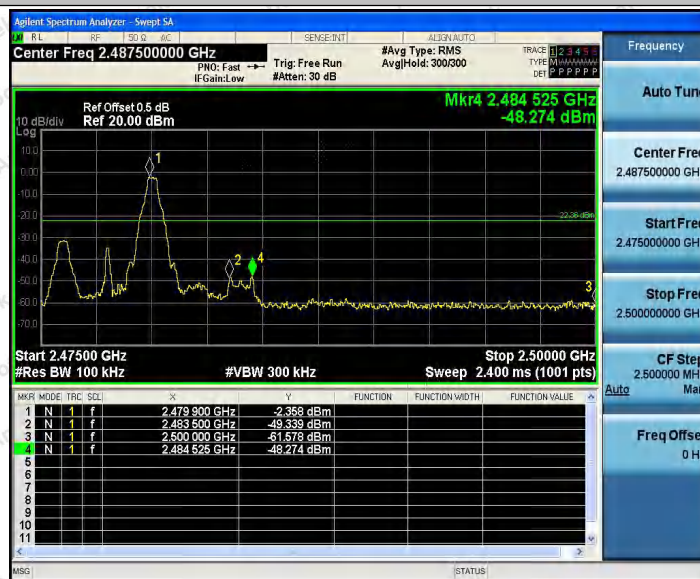


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop

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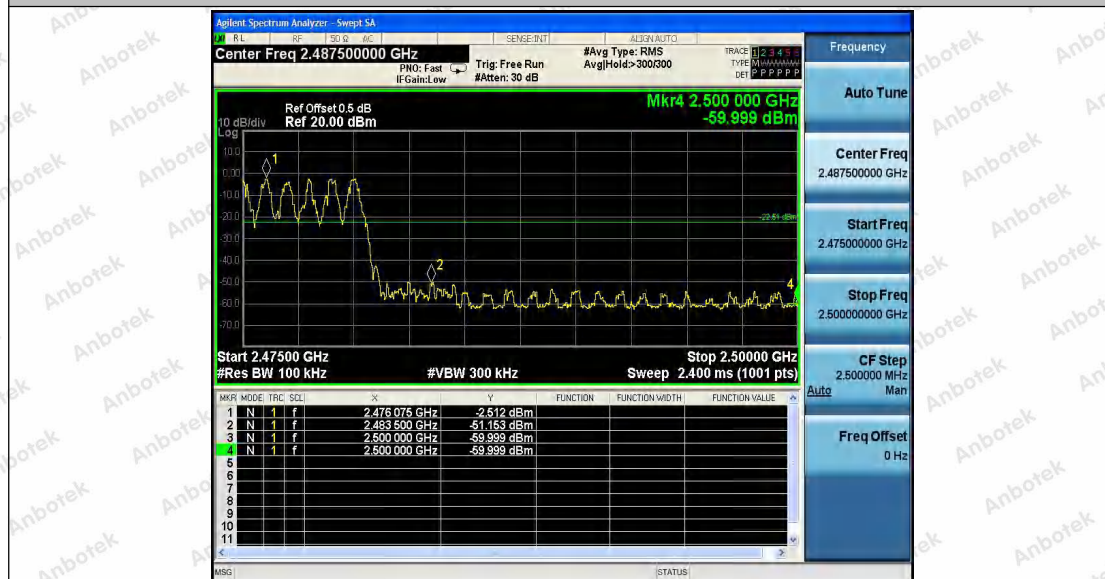


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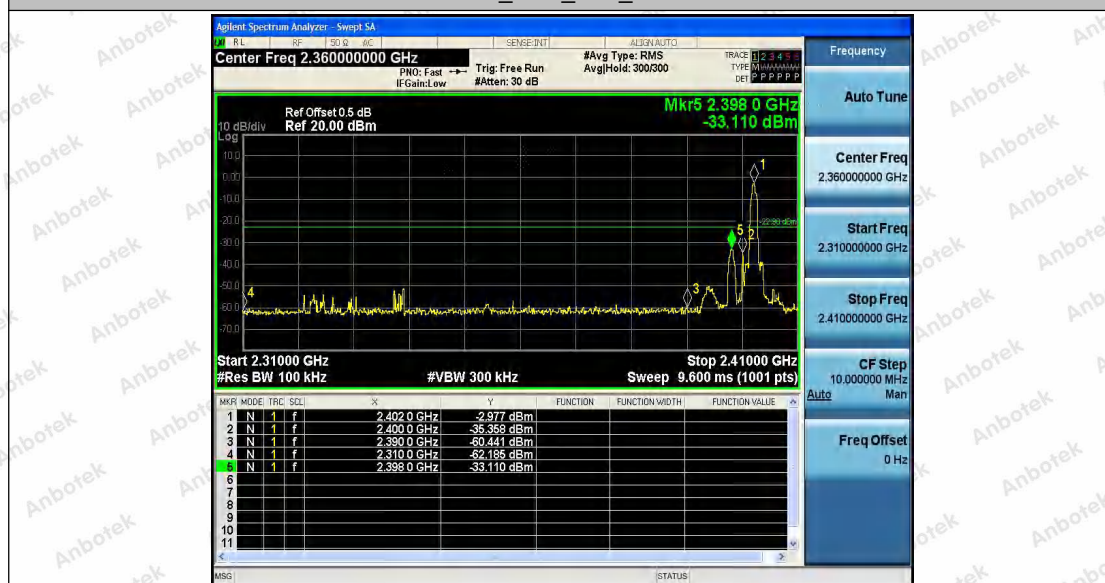




DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



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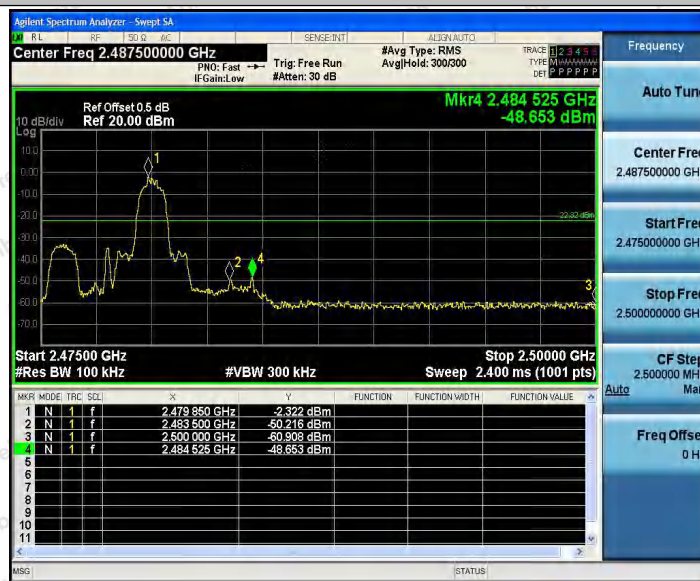
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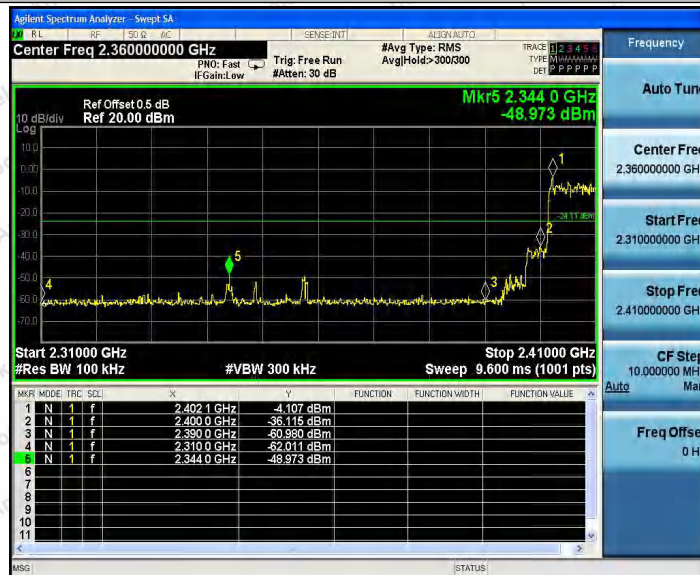
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



2DH5_Ant1_High_Hop

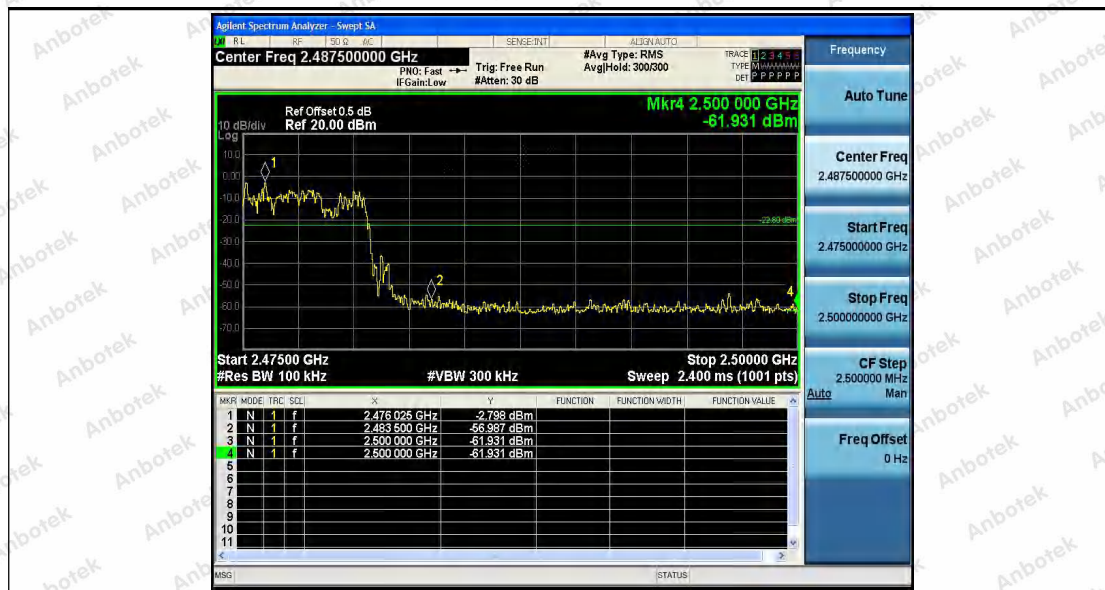
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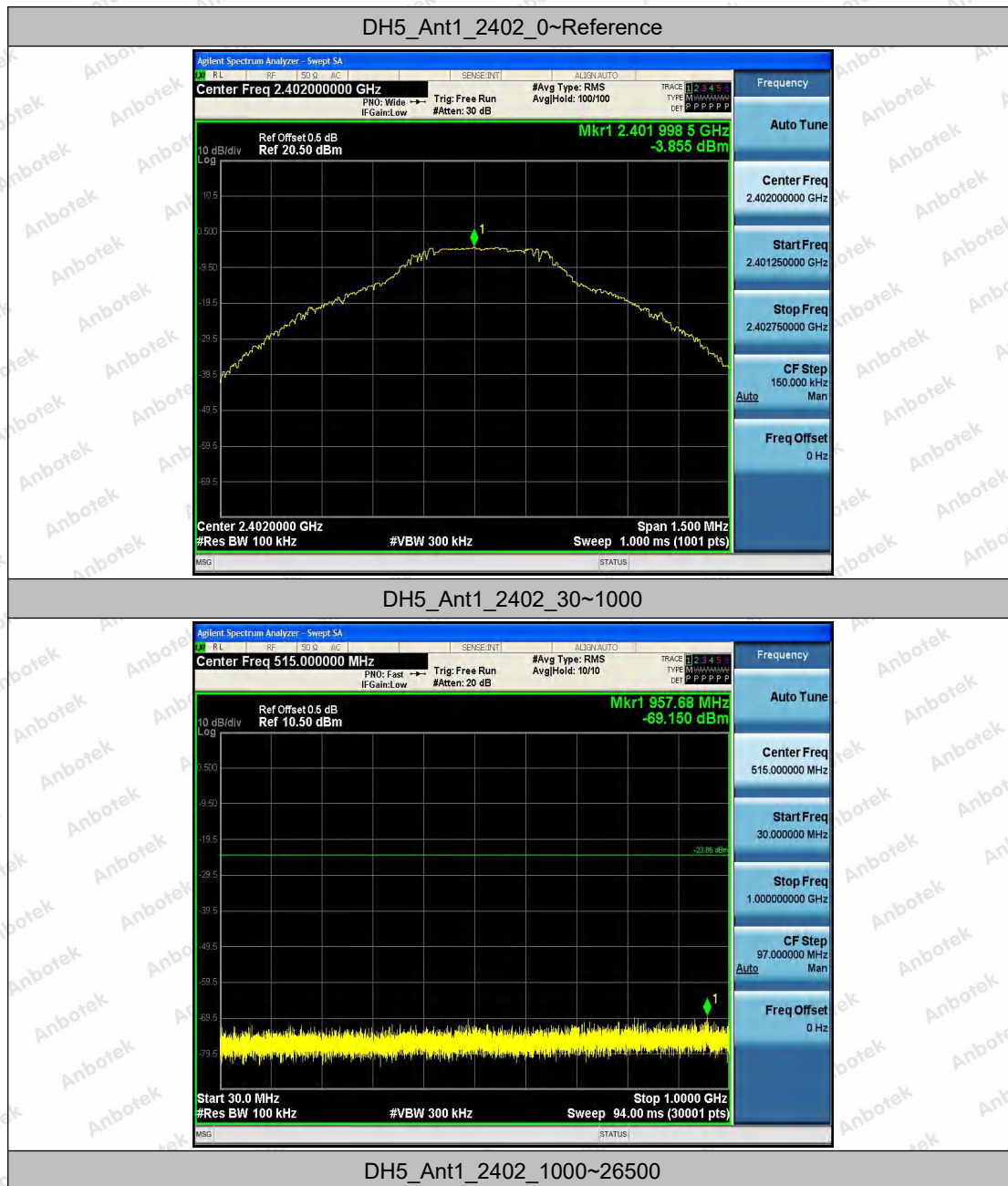
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.86	-3.86	---	PASS
			30~1000	-3.86	-69.15	≤-23.86	PASS
			1000~26500	-3.86	-46.24	≤-23.86	PASS
		2441	Reference	-3.78	-3.78	---	PASS
			30~1000	-3.78	-68.23	≤-23.78	PASS
			1000~26500	-3.78	-40.98	≤-23.78	PASS
		2480	Reference	-2.78	-2.78	---	PASS
			30~1000	-2.78	-69.25	≤-22.78	PASS
			1000~26500	-2.78	-39.83	≤-22.78	PASS
2DH5	Ant1	2402	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-67.9	≤-23.06	PASS
			1000~26500	-3.06	-45.62	≤-23.06	PASS
		2441	Reference	-3.41	-3.41	---	PASS
			30~1000	-3.41	-68.87	≤-23.41	PASS
			1000~26500	-3.41	-48.36	≤-23.41	PASS
		2480	Reference	-2.78	-2.78	---	PASS
			30~1000	-2.78	-67.85	≤-22.78	PASS
			1000~26500	-2.78	-50.28	≤-22.78	PASS



Test Graphs



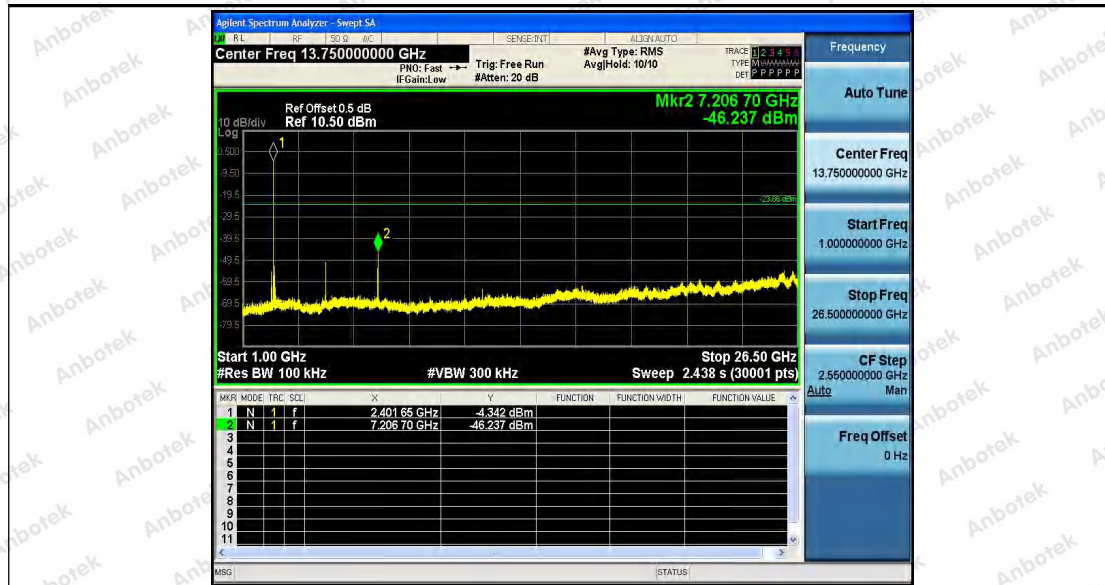
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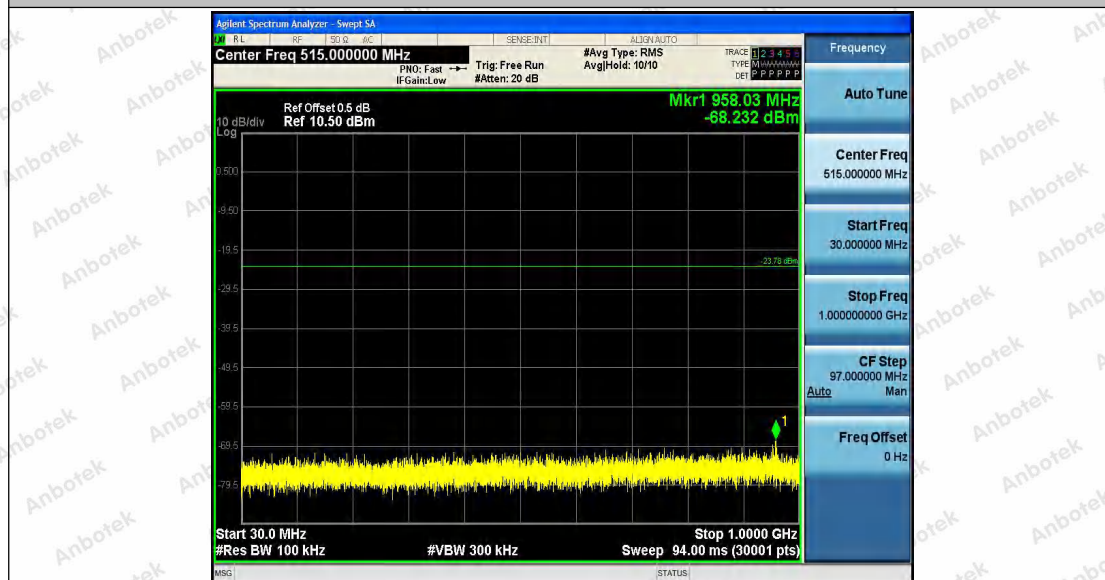




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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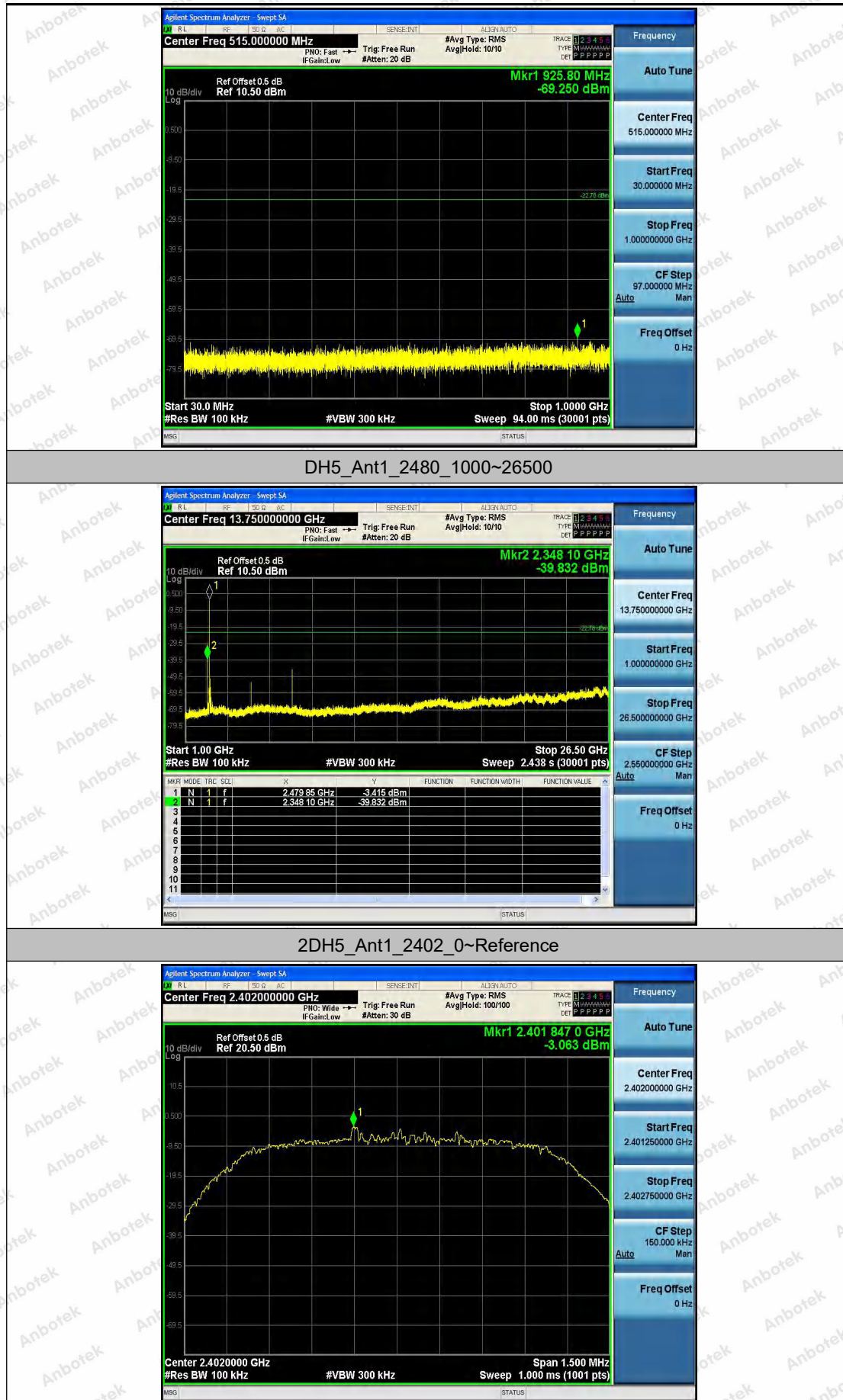
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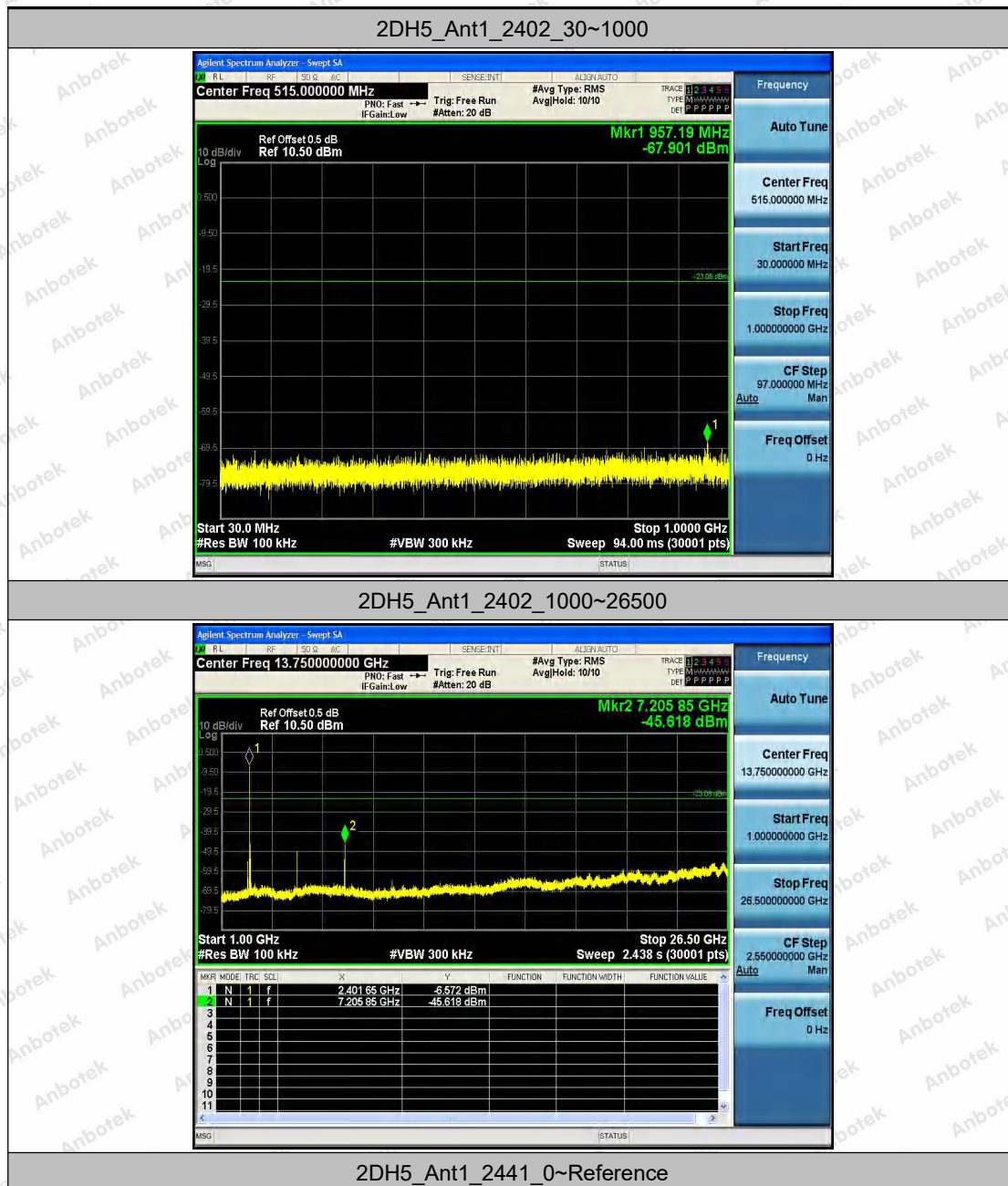
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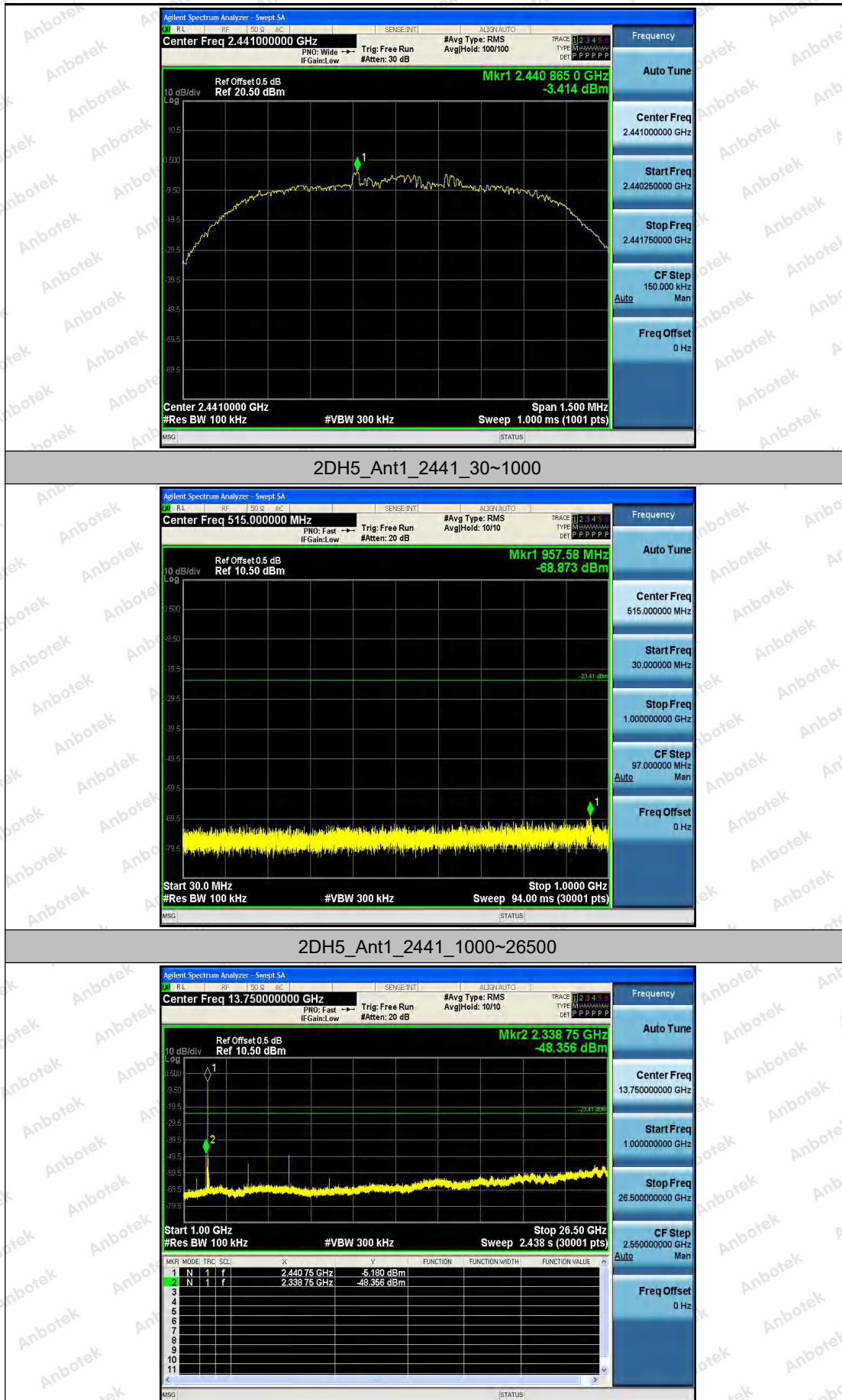
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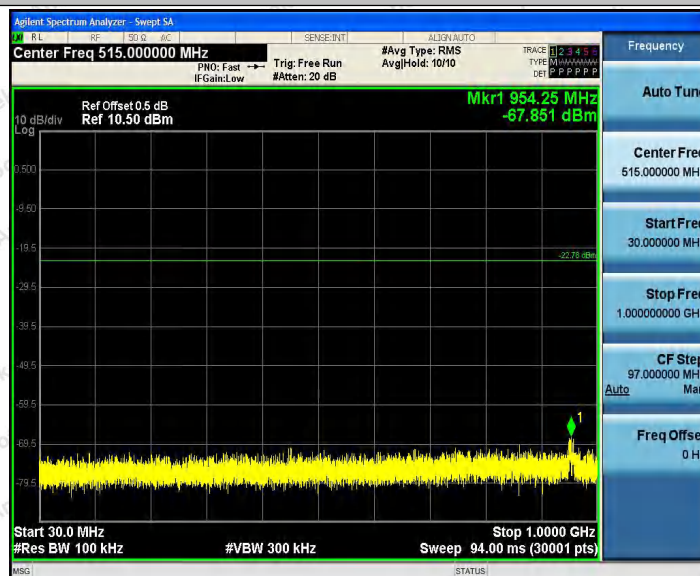
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

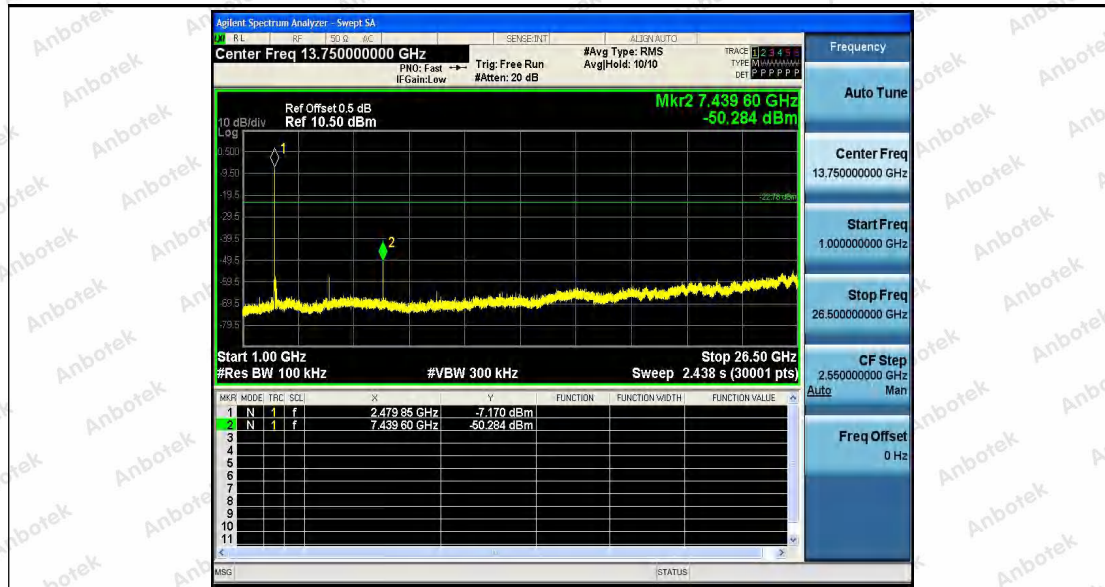
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Appendix I: Duty Cycle

Test Result

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

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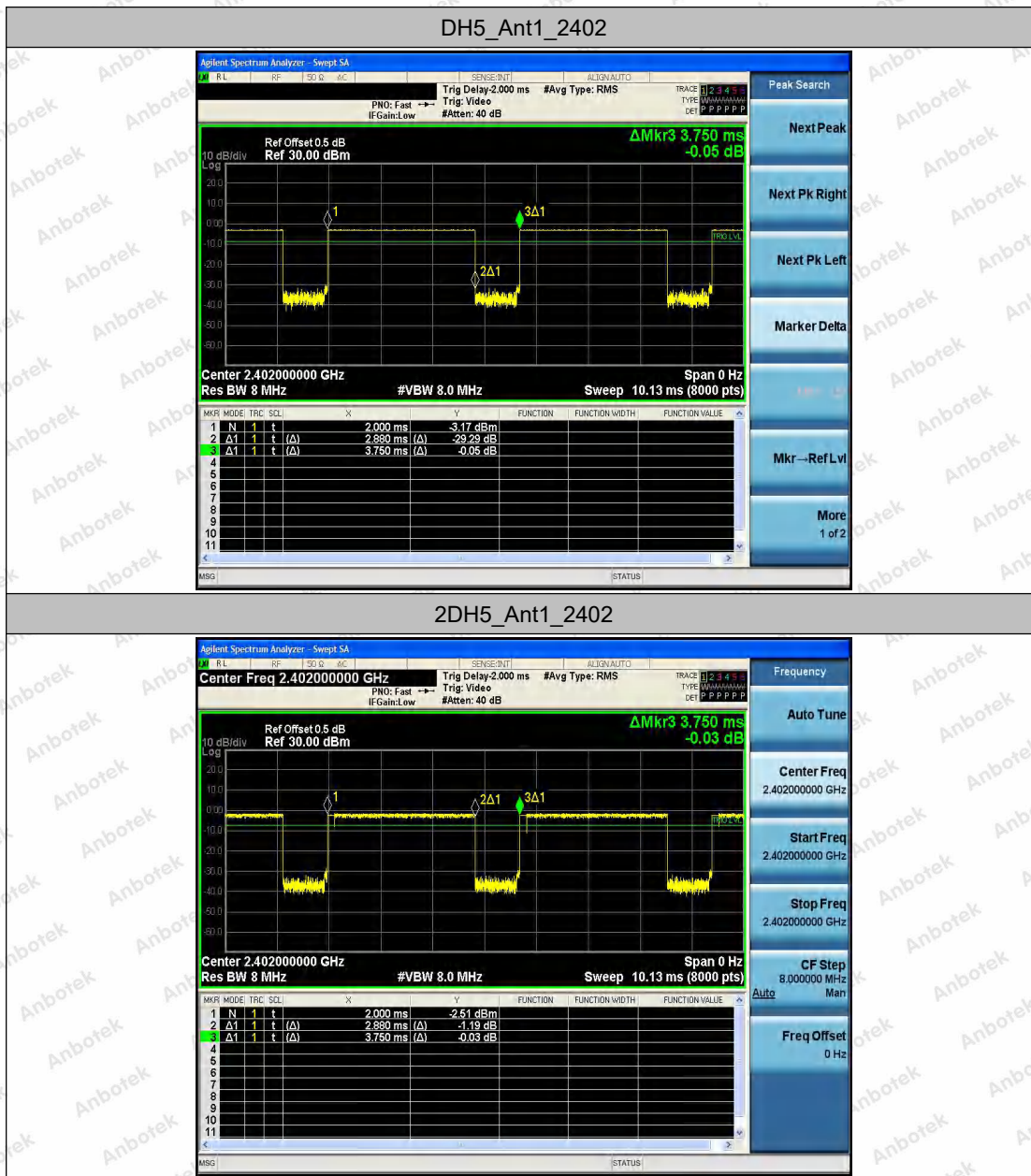
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Test Graphs



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