

Appendix Test Data

Report No.:	18220WC20020501	Test Sample No.:	1-2-2
Start Test Date:	2022.2.18	Finish Test Date:	2022.2.23
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.5 %
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	0.942	2401.538	2402.480	---	PASS
		2441	0.942	2440.544	2441.486	---	PASS
		2480	0.951	2479.538	2480.489	---	PASS
2DH5	Ant1	2402	1.266	2401.367	2402.633	---	PASS
		2441	1.323	2440.337	2441.660	---	PASS
		2480	1.347	2479.328	2480.675	---	PASS

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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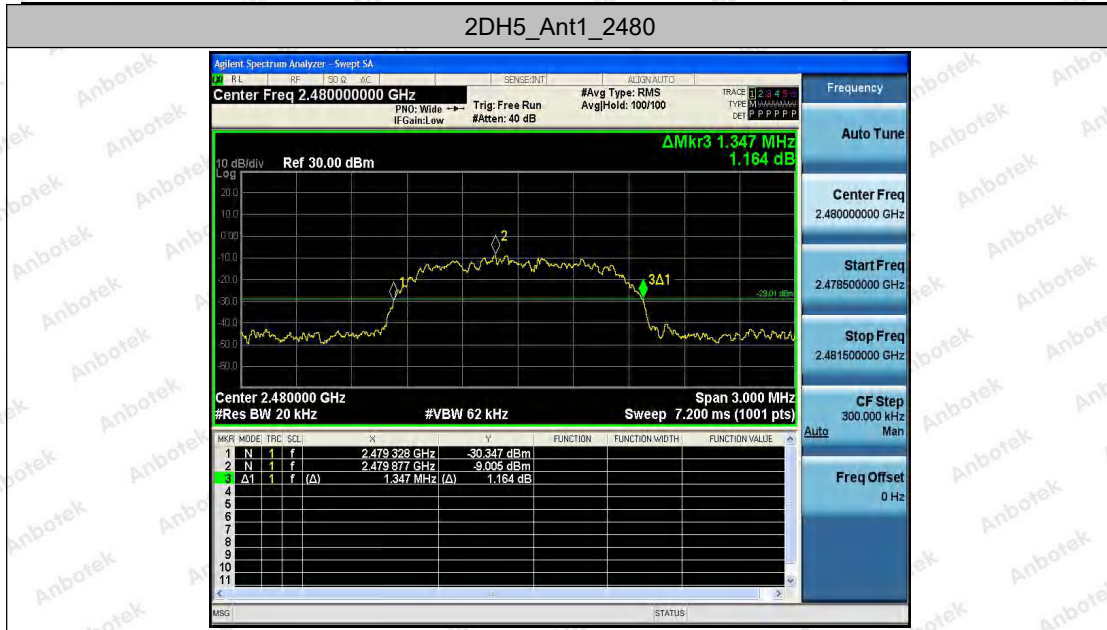


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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89229	2401.555	2402.447	---	PASS
		2441	0.88274	2440.559	2441.442	---	PASS
		2480	0.89558	2479.554	2480.450	---	PASS
2DH5	Ant1	2402	1.2018	2401.401	2402.603	---	PASS
		2441	1.1905	2440.405	2441.596	---	PASS
		2480	1.1979	2479.400	2480.598	---	PASS

Test Graphs

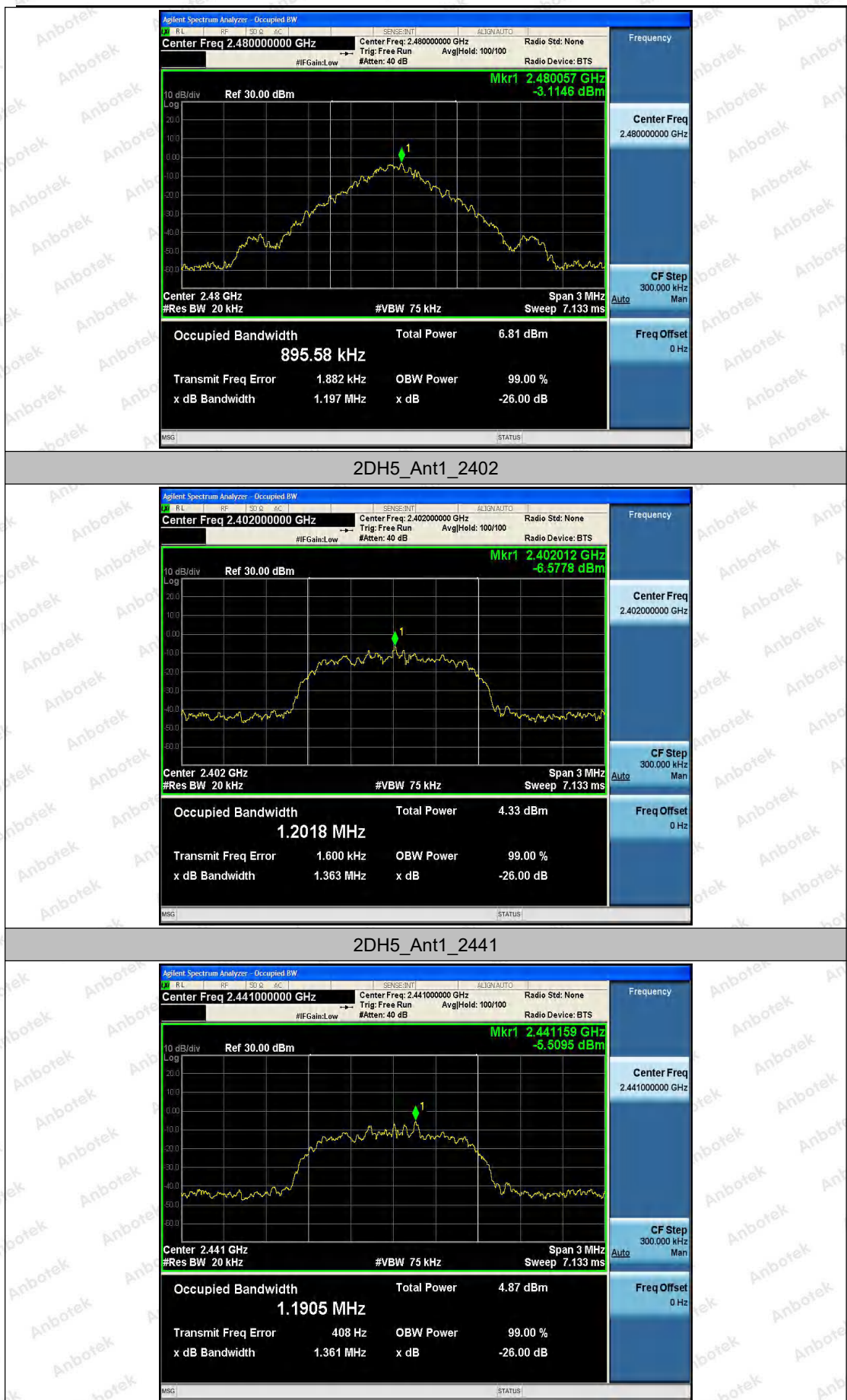


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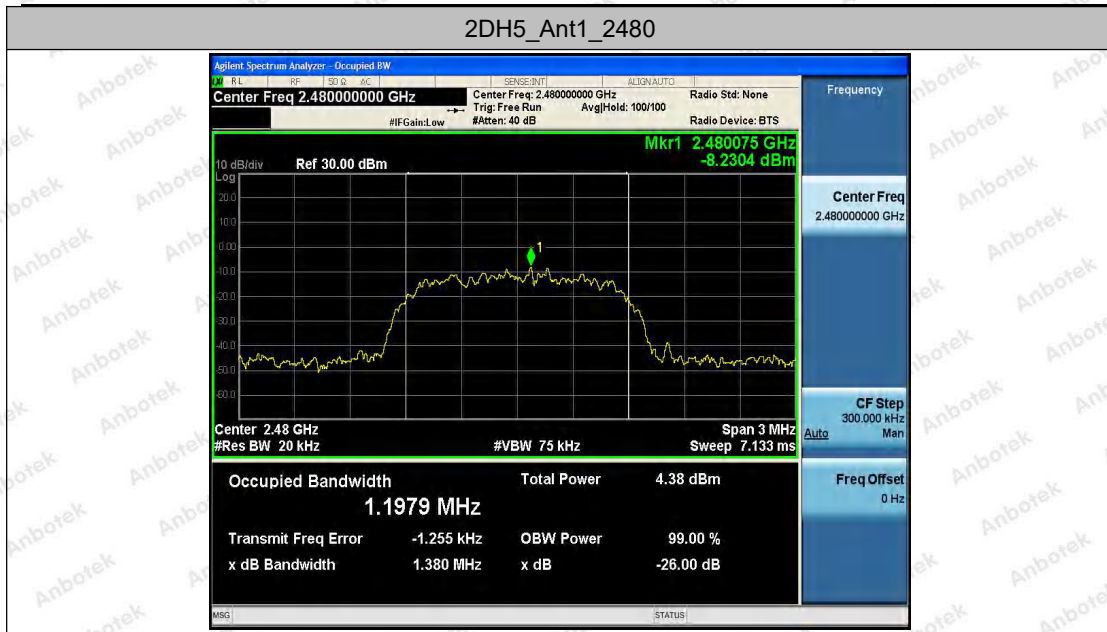


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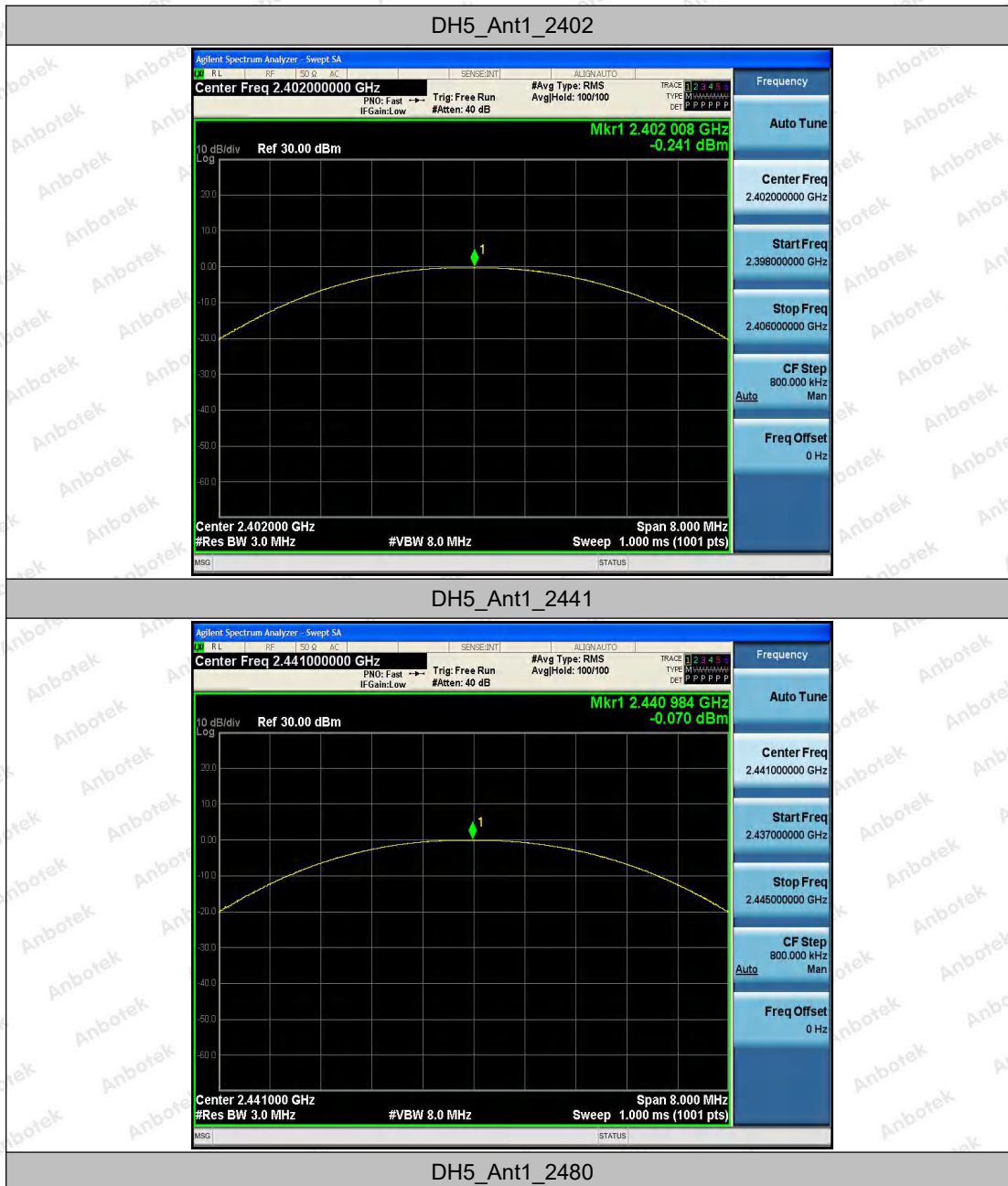
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.24	≤20.97	PASS
		2441	-0.07	≤20.97	PASS
		2480	0.68	≤20.97	PASS
2DH5	Ant1	2402	-0.66	≤20.97	PASS
		2441	-0.98	≤20.97	PASS
		2480	-0.11	≤20.97	PASS

Test Graphs



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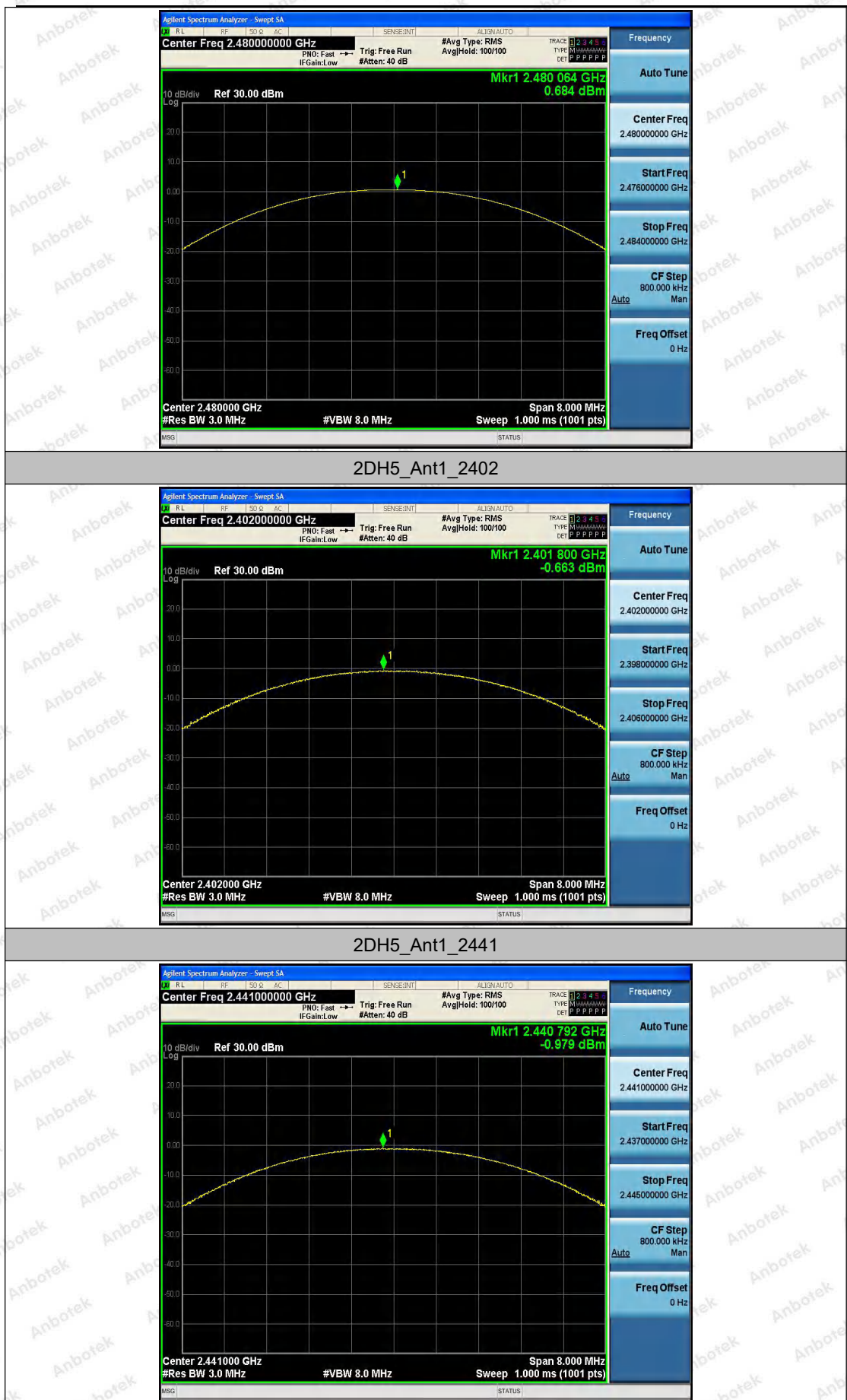
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.118	≥ 0.951	PASS
2DH5	Ant1	Hop	0.91	≥ 0.898	PASS

Test Graphs

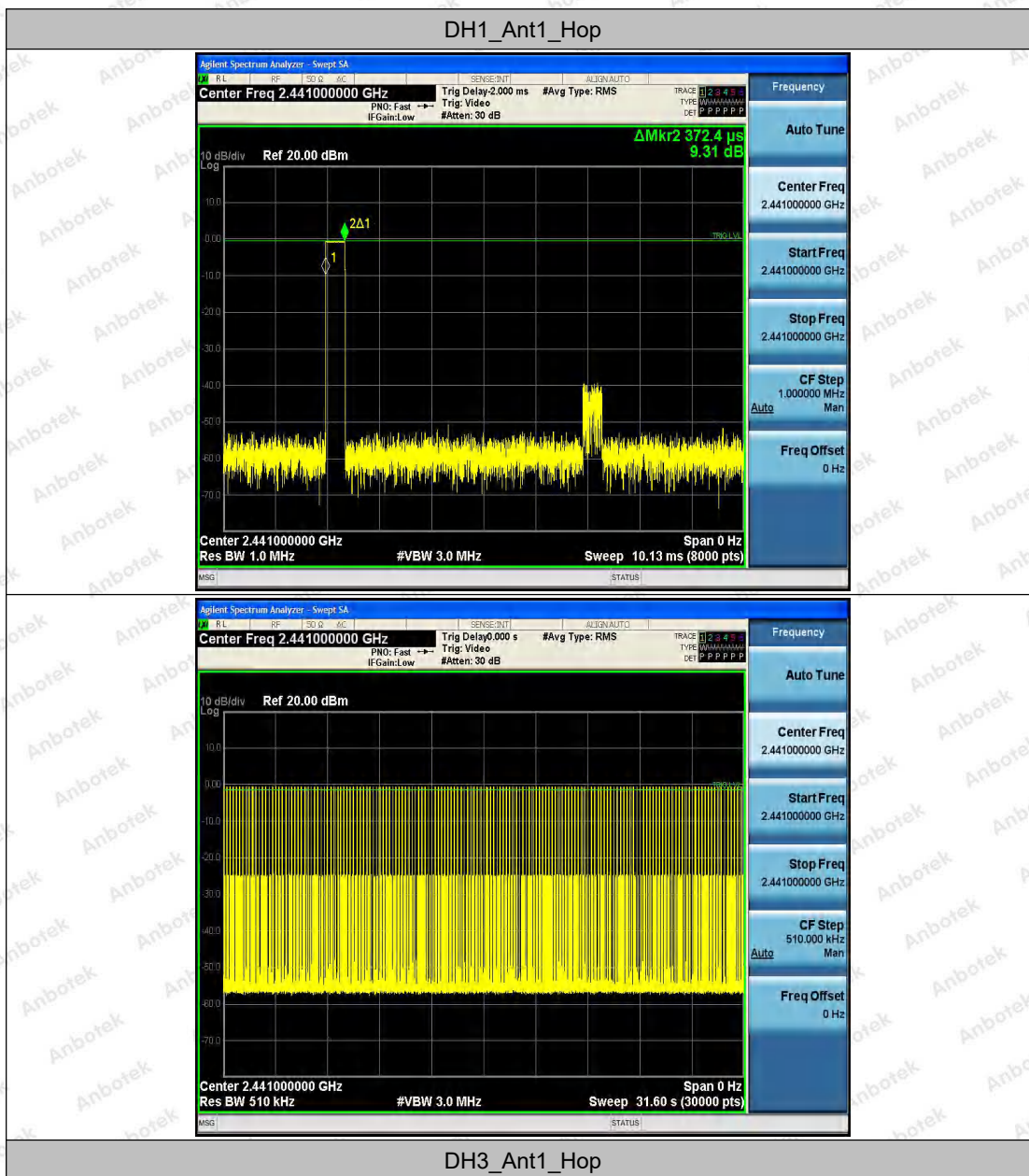


Appendix E: Time of occupancy

Test Result

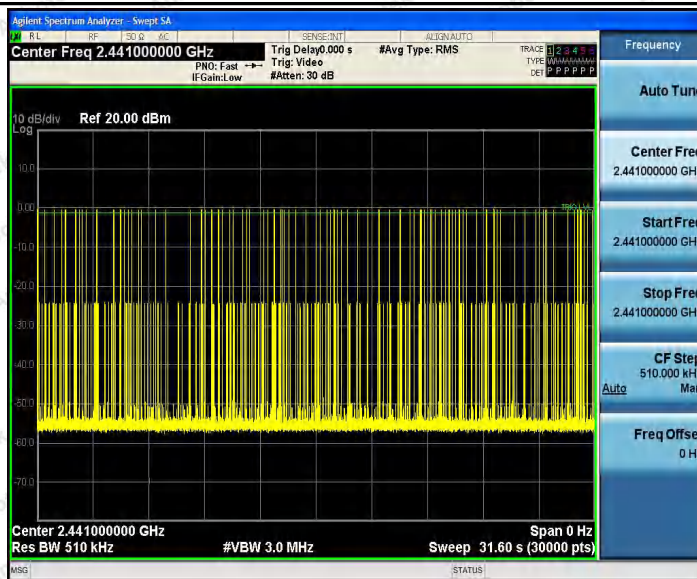
Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	314	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.63	154	0.251	≤0.4	PASS
DH5	Ant1	Hop	2.88	104	0.299	≤0.4	PASS
2DH1	Ant1	Hop	0.38	313	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.63	158	0.258	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

Test Graphs

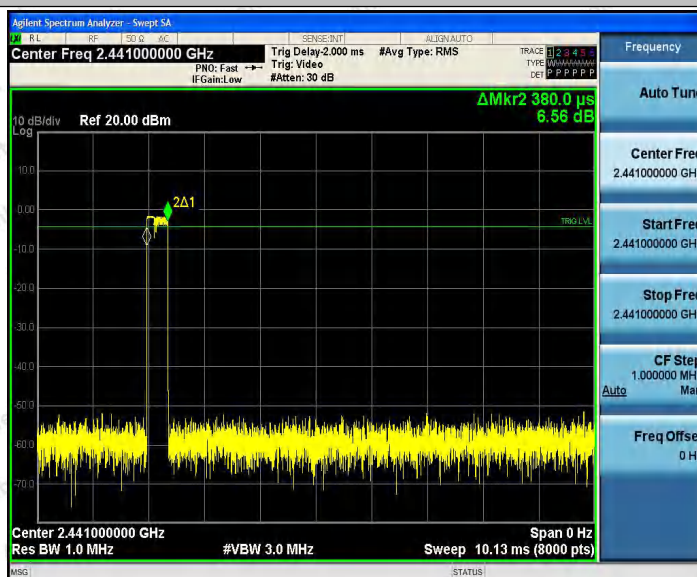




DH5_Ant1_Hop



2DH1_Ant1_Hop



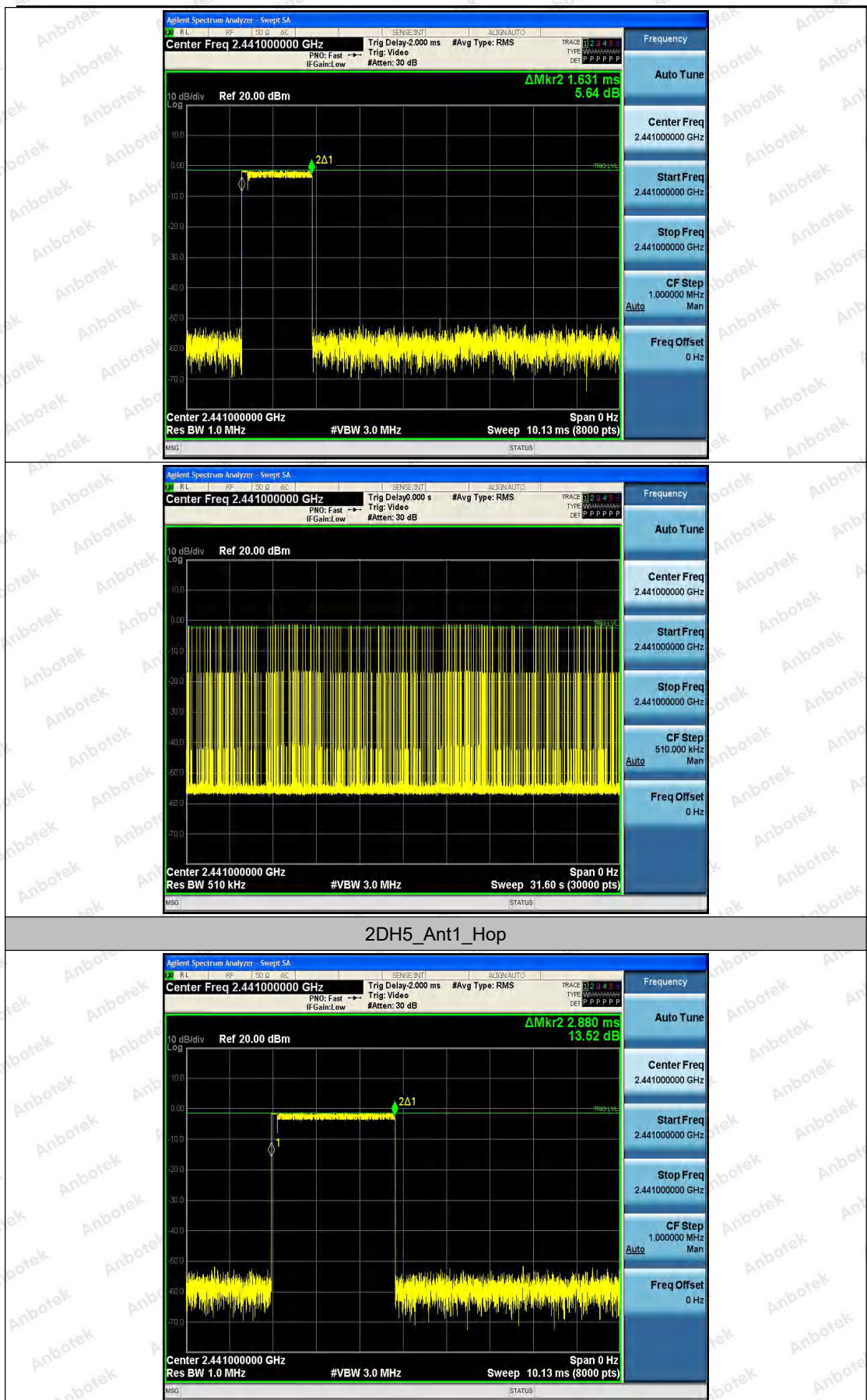
2DH3_Ant1_Hop

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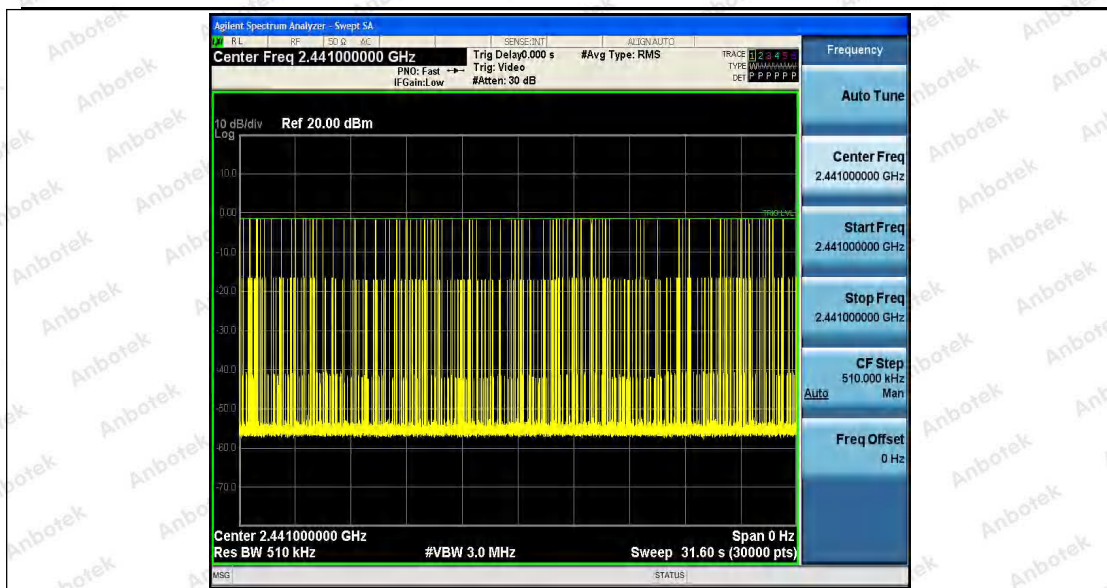
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2DH5_Ant1_Hop



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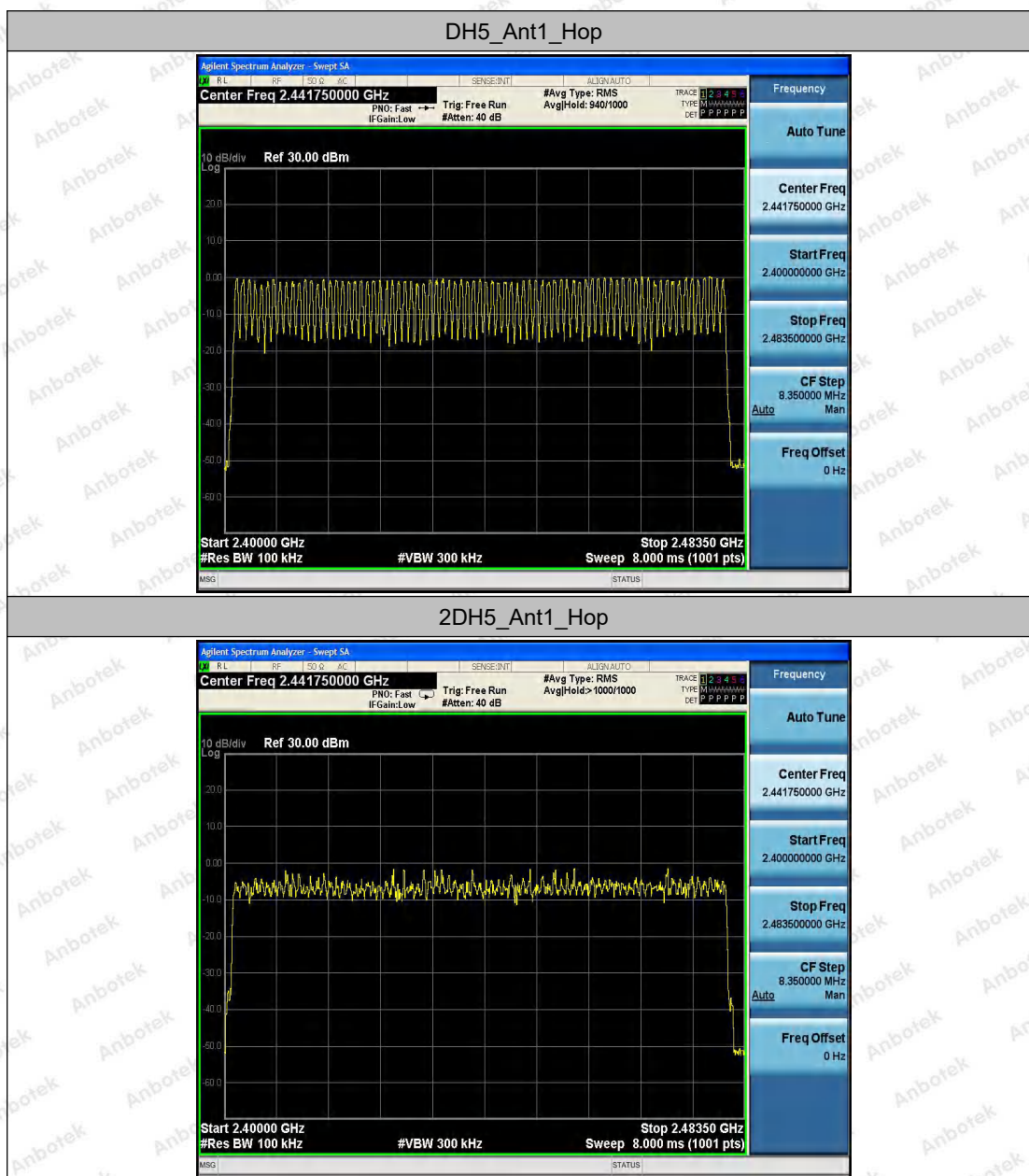
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs



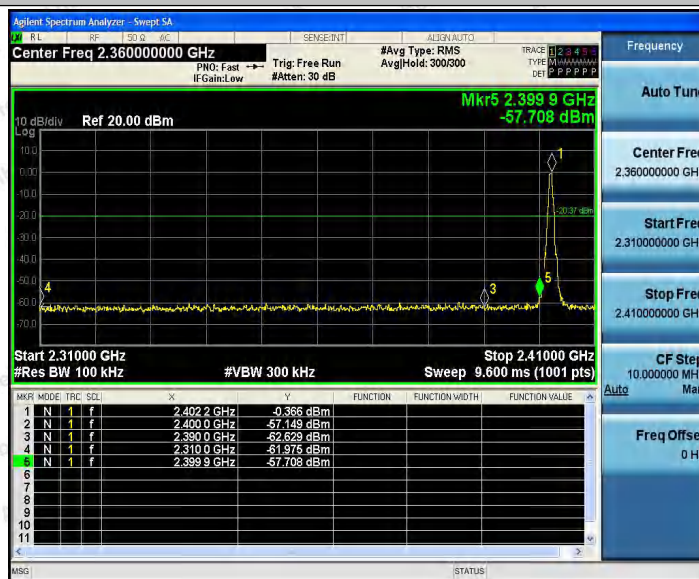
Appendix G: Band edge measurements

Test Result

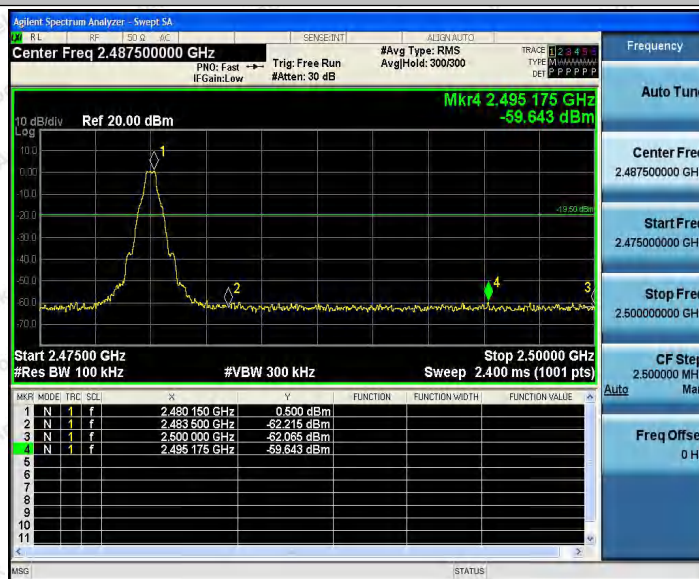
Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.37	-57.71	≤-20.37	PASS
		High	2480	0.50	-59.64	≤-19.5	PASS
		Low	Hop	-0.70	-60.13	≤-20.7	PASS
		High	Hop	-0.03	-62.98	≤-20.03	PASS
2DH5	Ant1	Low	2402	-1.73	-56.37	≤-21.73	PASS
		High	2480	-2.35	-59.7	≤-22.35	PASS
		Low	Hop	-3.83	-60.02	≤-23.83	PASS
		High	Hop	-1.40	-62.32	≤-21.4	PASS

Test Graphs

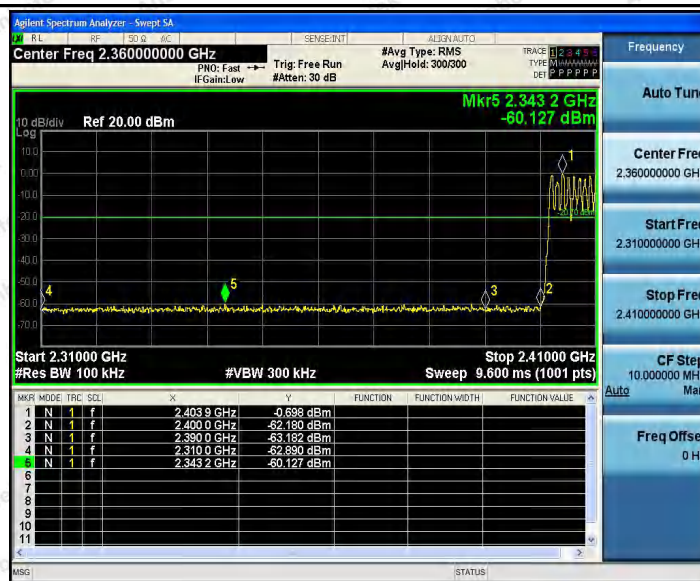
DH5_Ant1_Low_2402



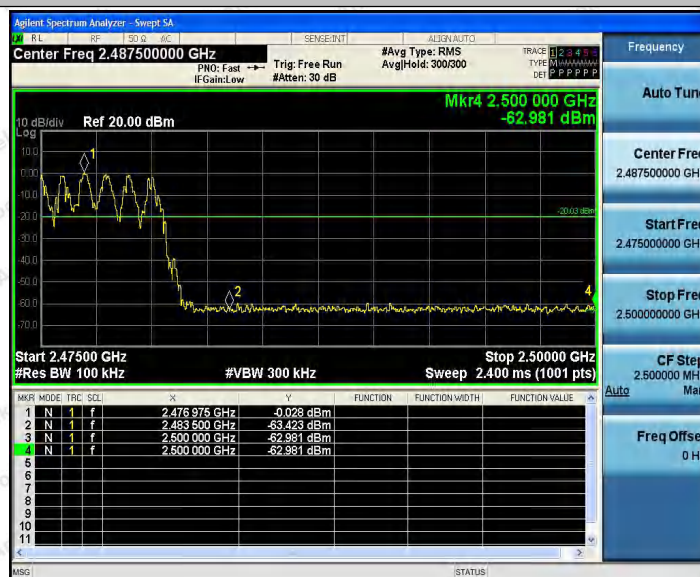
DH5_Ant1_High_2480



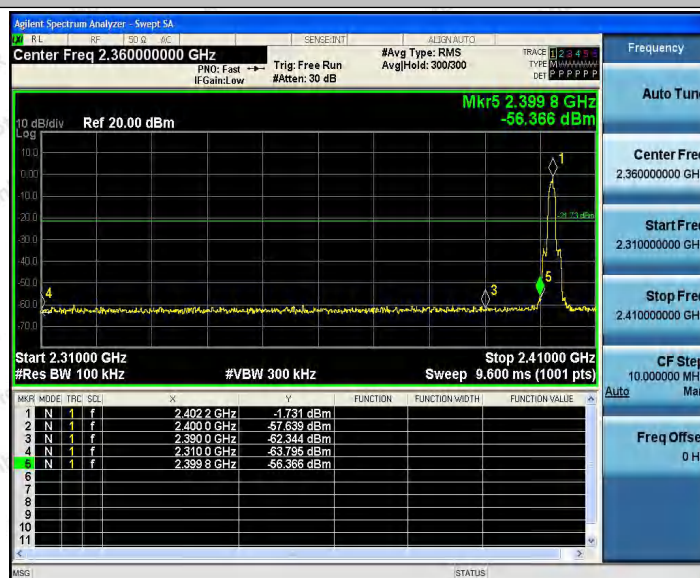
DH5_Ant1_Low_Hop



DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



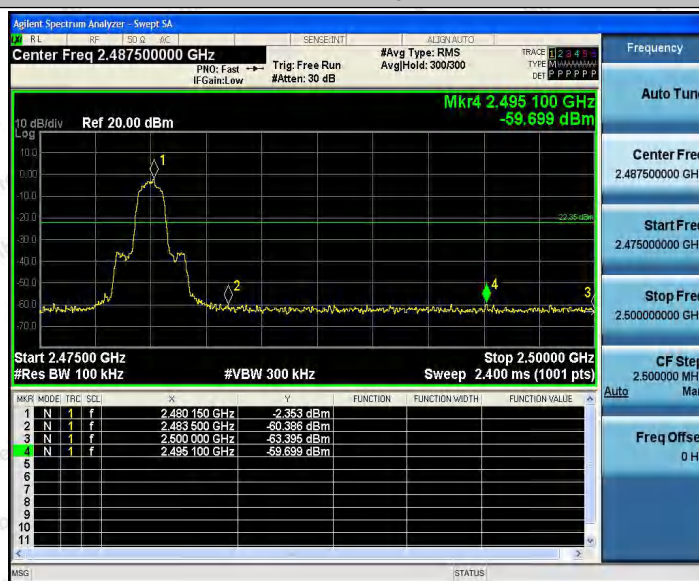
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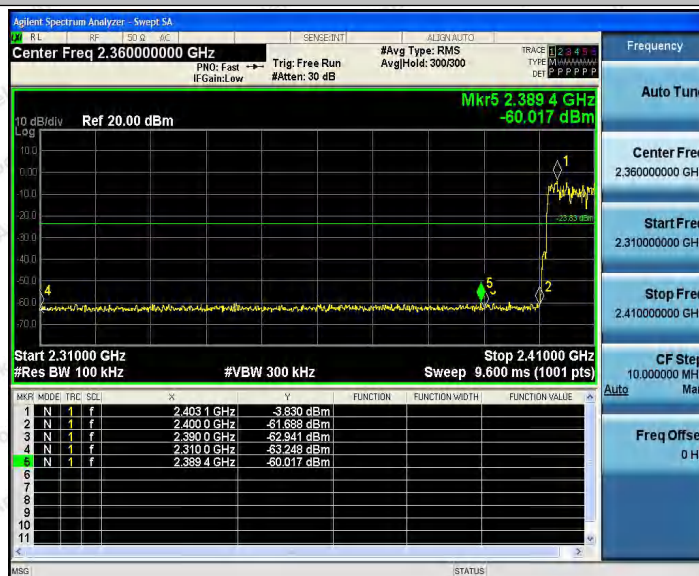
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



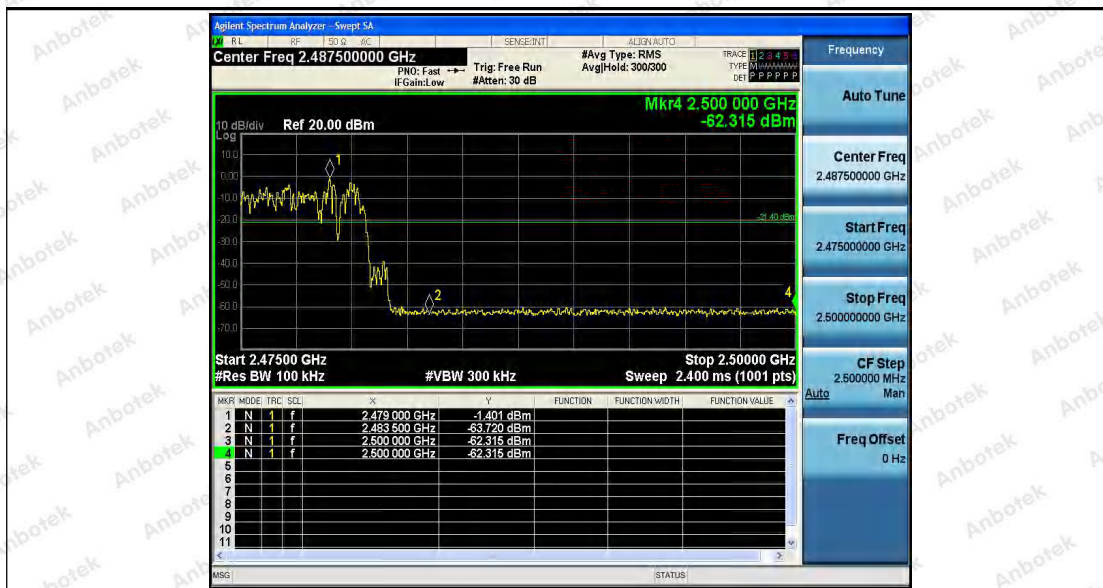
2DH5_Ant1_High_Hop

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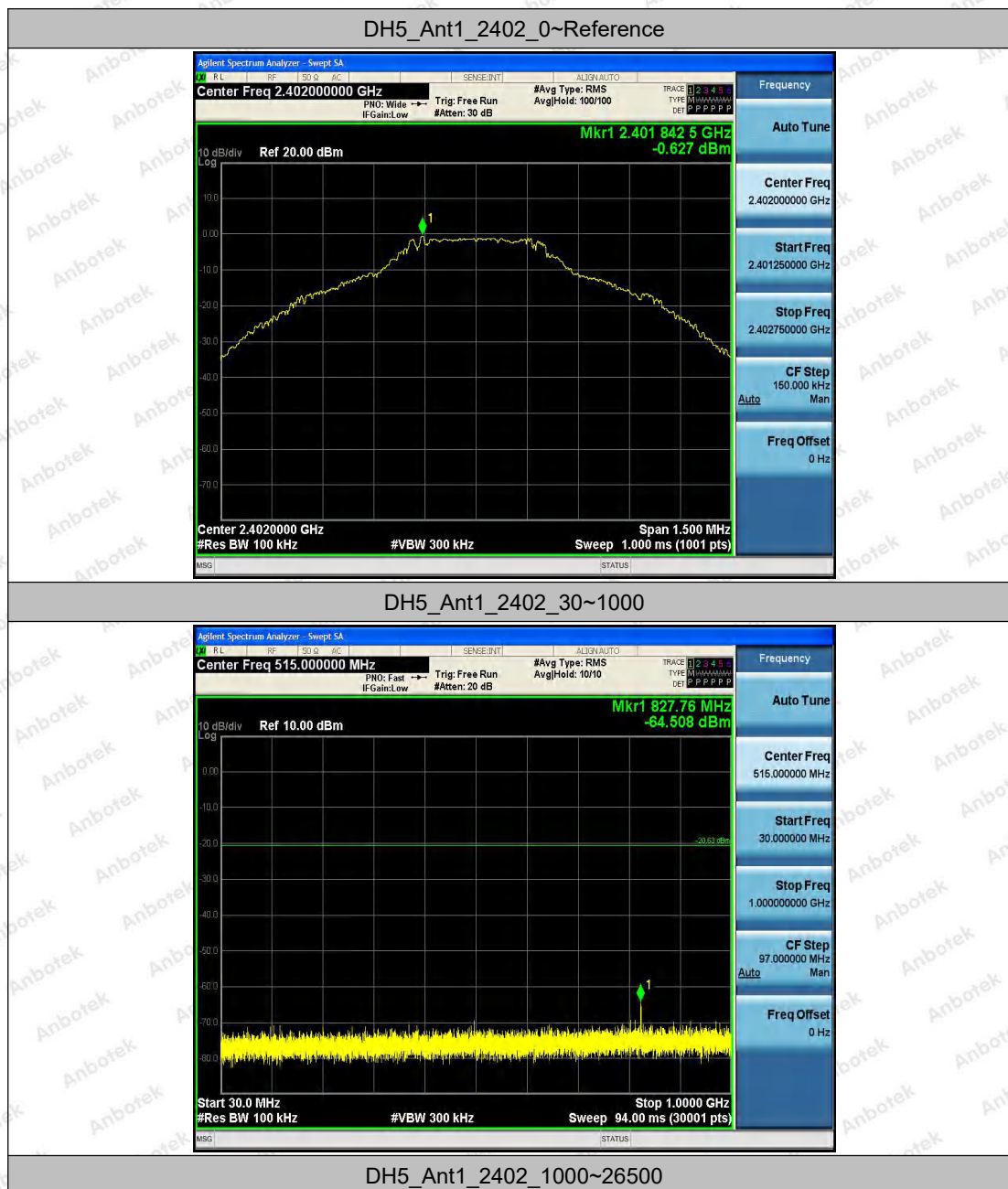
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Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-64.51	≤-20.63	PASS
			1000~26500	-0.63	-55.84	≤-20.63	PASS
		2441	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-69.81	≤-21.01	PASS
			1000~26500	-1.01	-56.41	≤-21.01	PASS
		2480	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-69.83	≤-19.85	PASS
			1000~26500	0.15	-56.07	≤-19.85	PASS
2DH5	Ant1	2402	Reference	-2.05	-2.05	---	PASS
			30~1000	-2.05	-64.68	≤-22.05	PASS
			1000~26500	-2.05	-54.71	≤-22.05	PASS
		2441	Reference	-2.47	-2.47	---	PASS
			30~1000	-2.47	-68.36	≤-22.47	PASS
			1000~26500	-2.47	-55.63	≤-22.47	PASS
		2480	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-69.68	≤-20.94	PASS
			1000~26500	-0.94	-55.28	≤-20.94	PASS

Test Graphs



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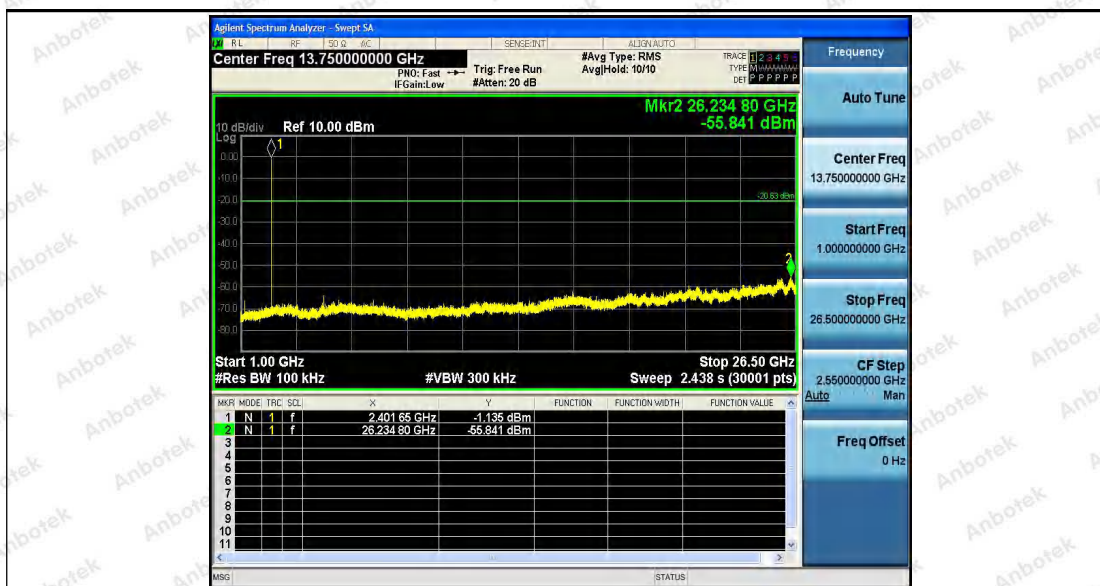
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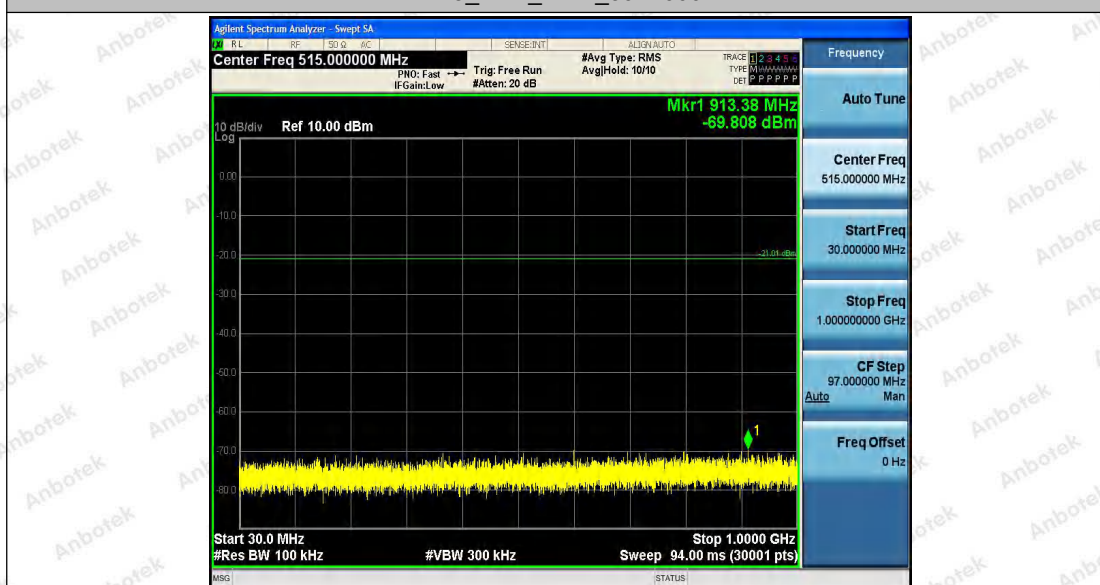
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



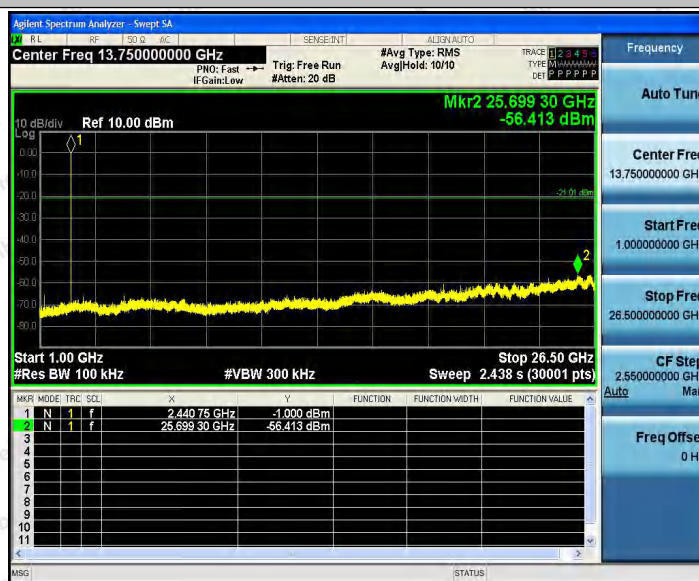
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



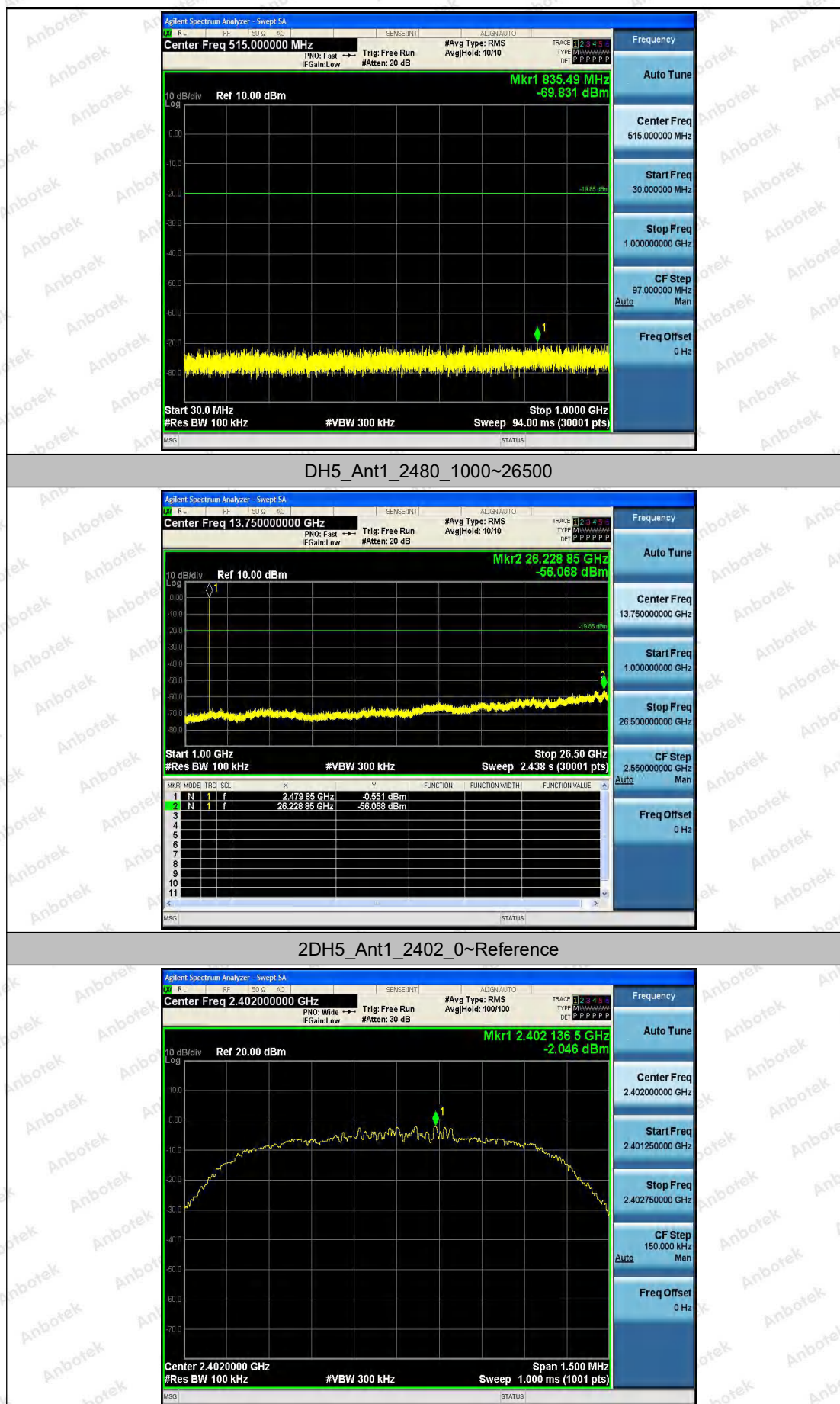
DH5_Ant1_2480_30~1000

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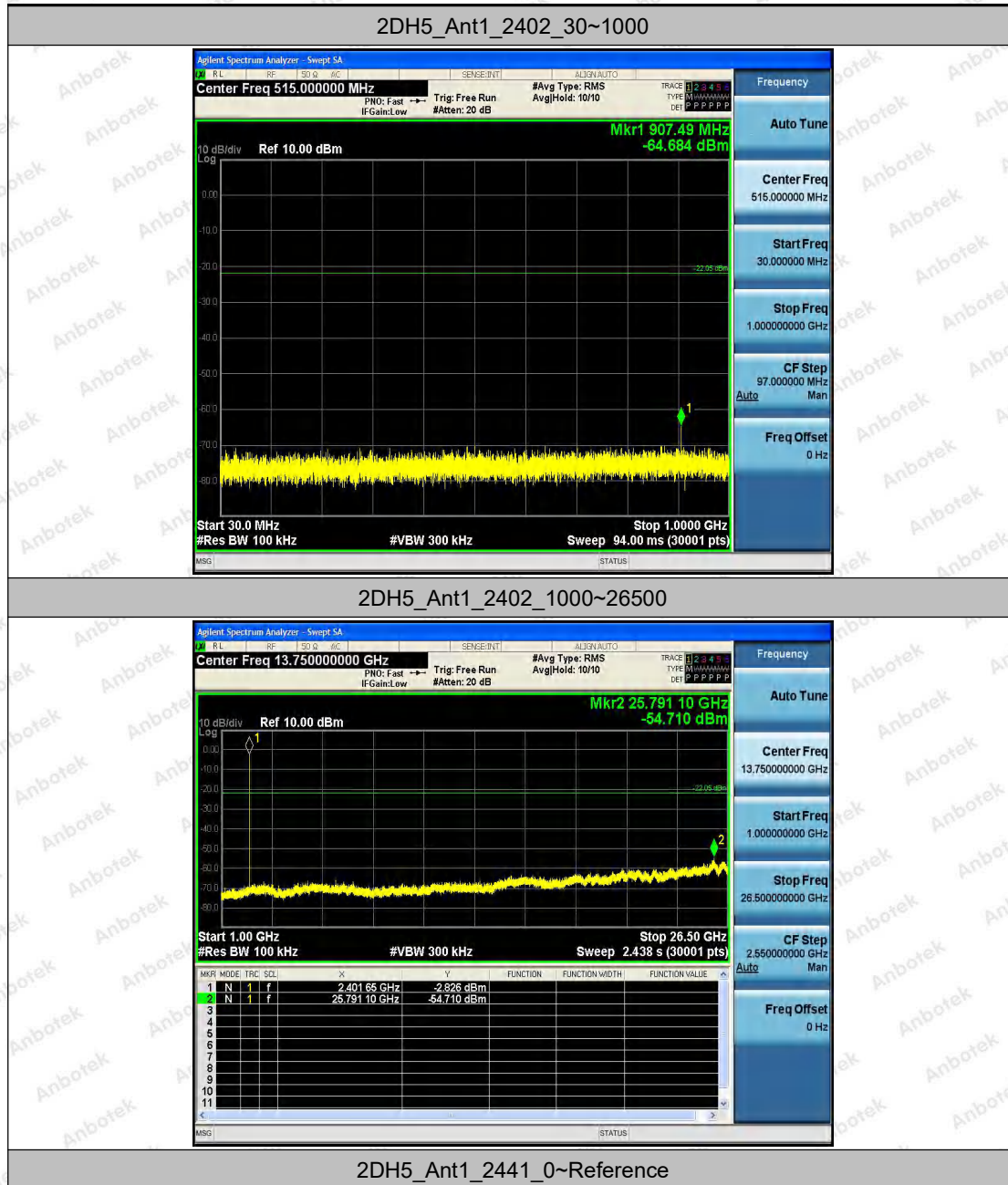


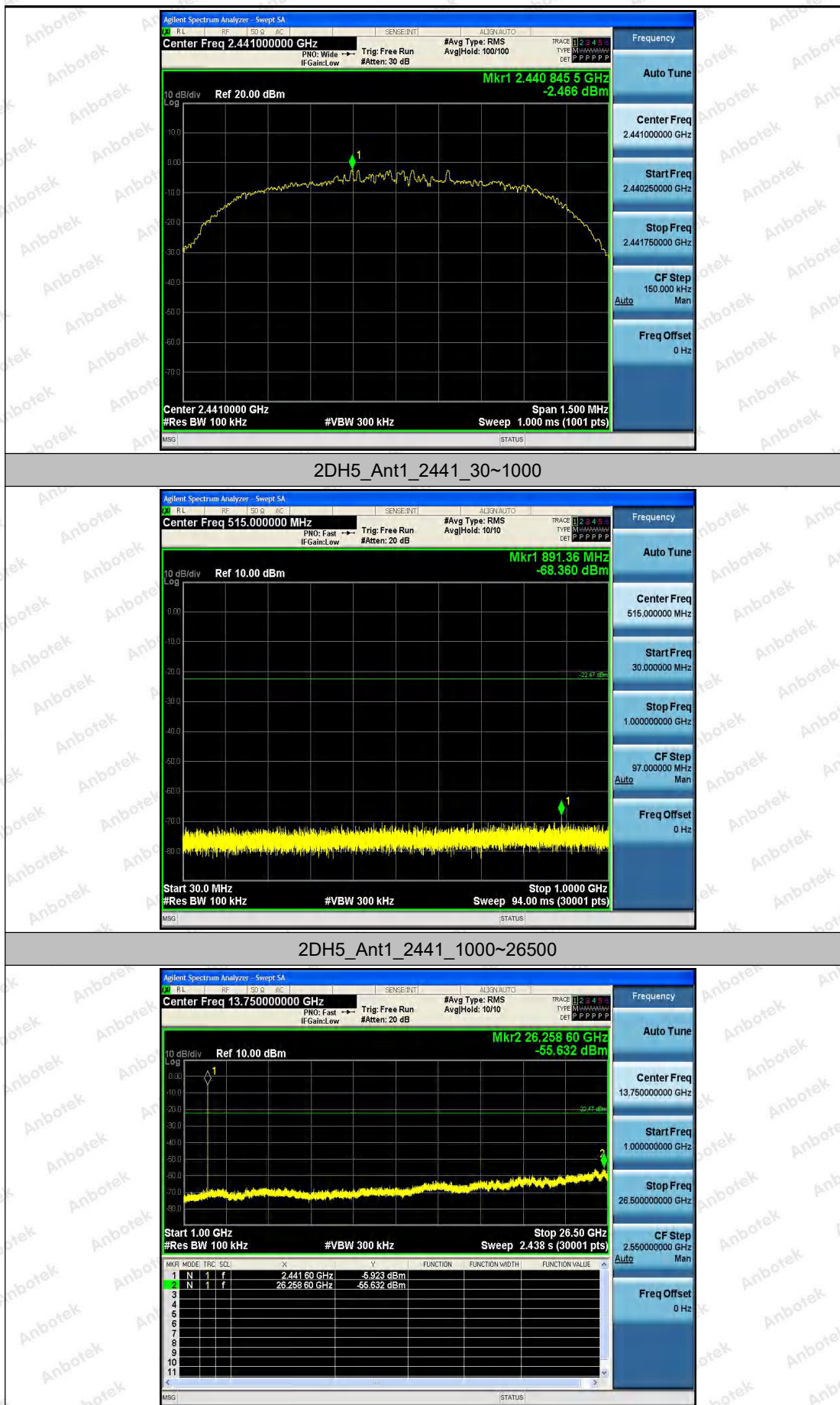
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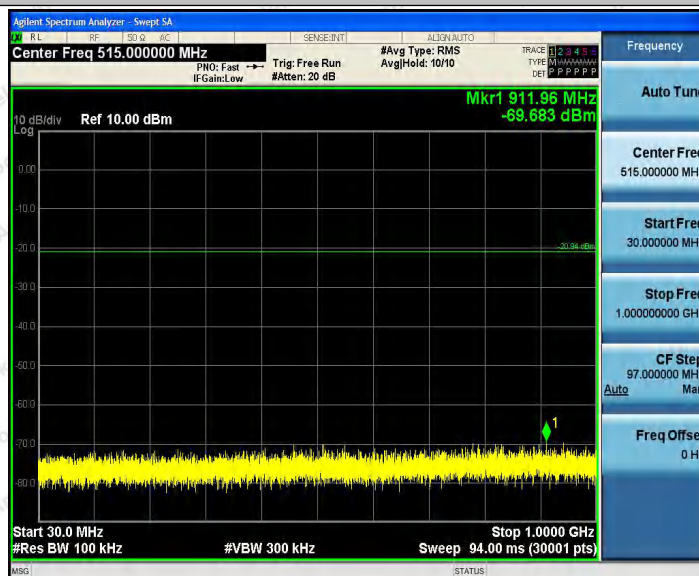
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



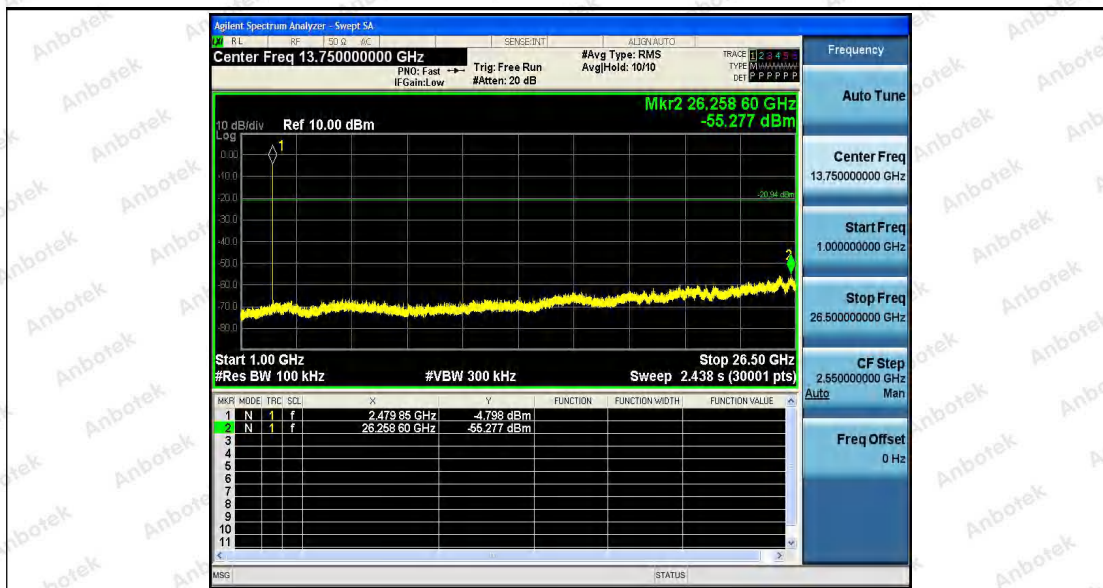
2DH5_Ant1_2480_1000~26500

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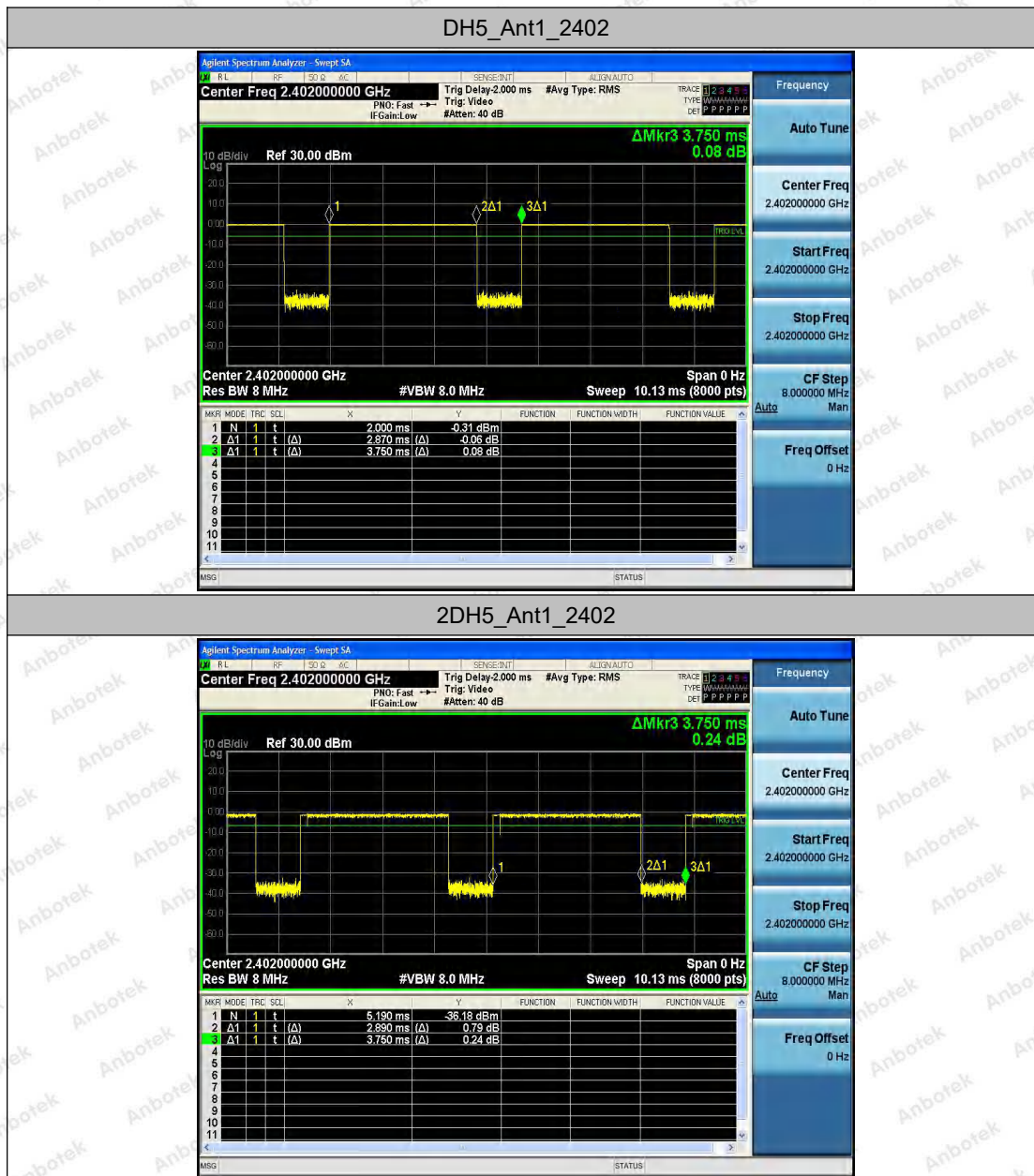
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
DH5	Ant1	2402	2.87	3.75	0.7653	76.53	1.16	---	PASS
2DH5	Ant1	2402	2.89	3.75	0.7707	77.07	1.13	---	PASS

Test Graphs



---End---

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