

Appendix Test Data

Report No.:	18220WC20020601	Test Sample No.:	1-2-2
Start Test Date:	2022.2.18	Finish Test Date:	2022.2.23
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56.5 %
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	0.945	2401.538	2402.483	---	PASS
		2441	0.945	2440.538	2441.483	---	PASS
		2480	0.945	2479.538	2480.483	---	PASS
2DH5	Ant1	2402	1.326	2401.337	2402.663	---	PASS
		2441	1.320	2440.337	2441.657	---	PASS
		2480	1.317	2479.340	2480.657	---	PASS

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



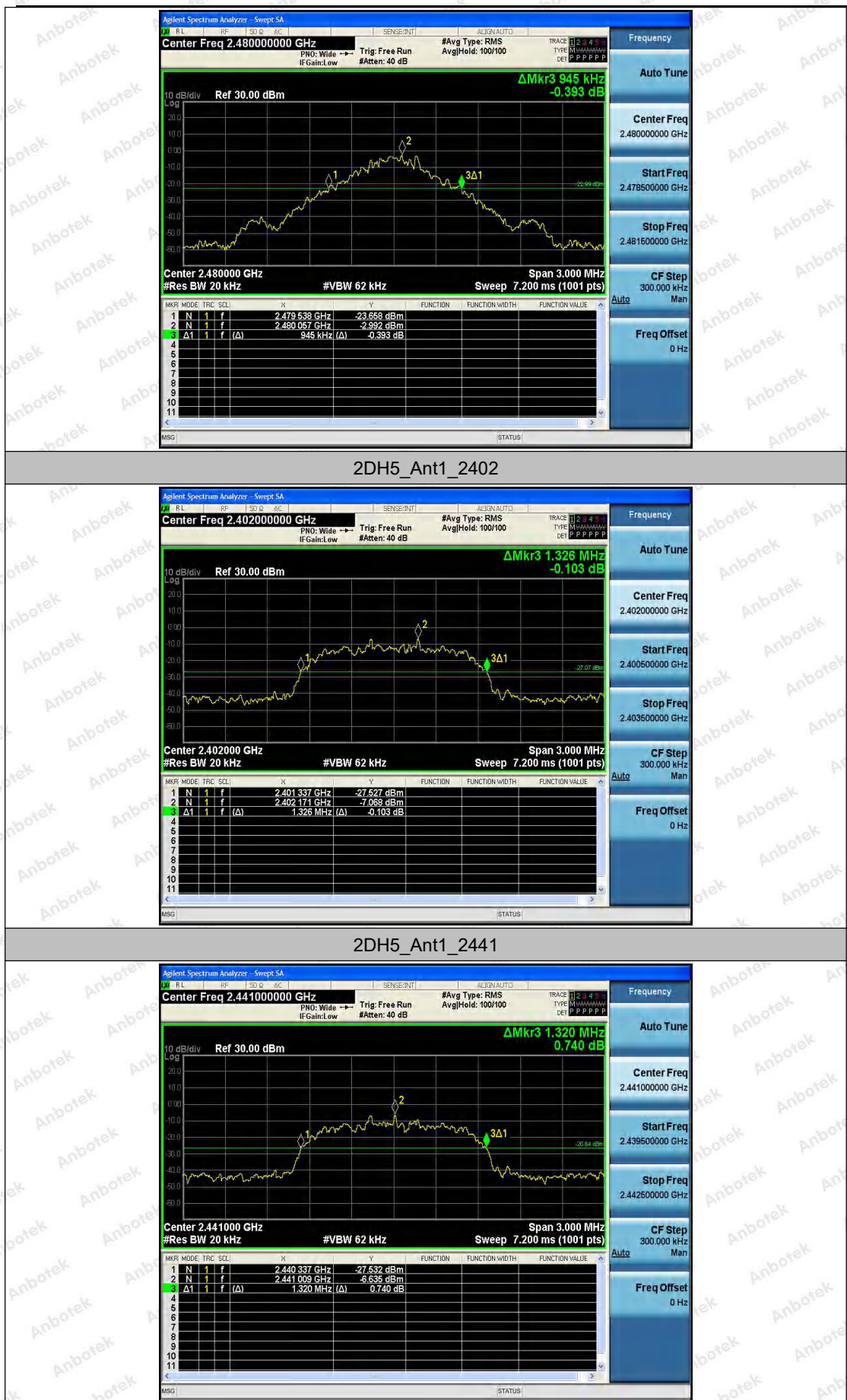
DH5_Ant1_2480

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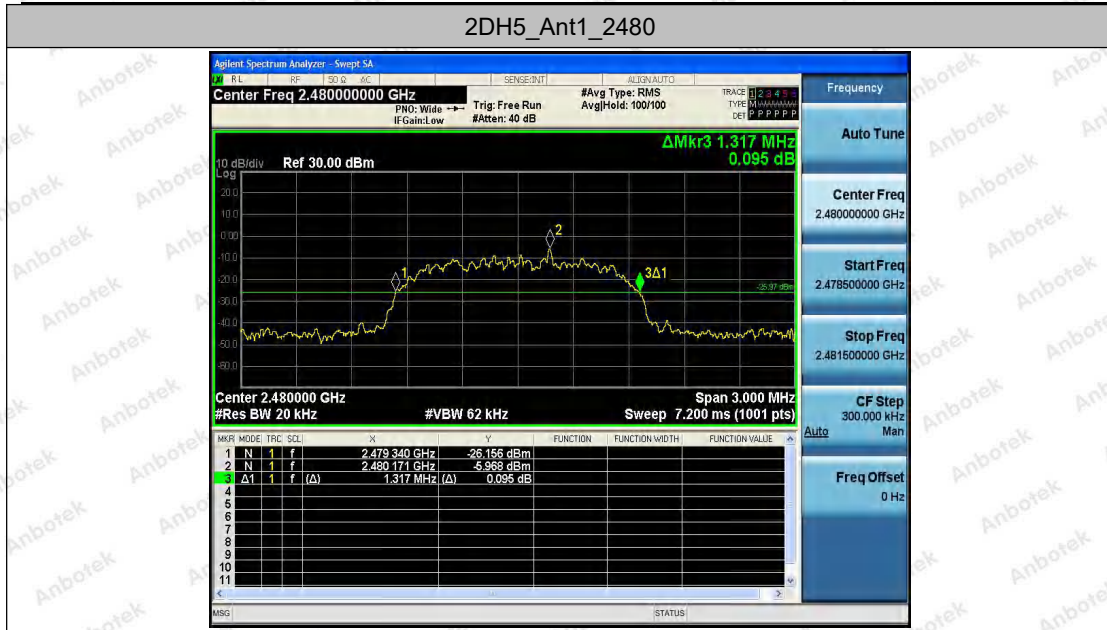
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89832	2401.55 3	2402.451	---	PASS
		2441	0.89413	2440.55 5	2441.449	---	PASS
		2480	0.89827	2479.55 2	2480.450	---	PASS
2DH5	Ant1	2402	1.2062	2401.39 8	2402.604	---	PASS
		2441	1.1948	2440.40 2	2441.597	---	PASS
		2480	1.1956	2479.40 3	2480.598	---	PASS

Test Graphs



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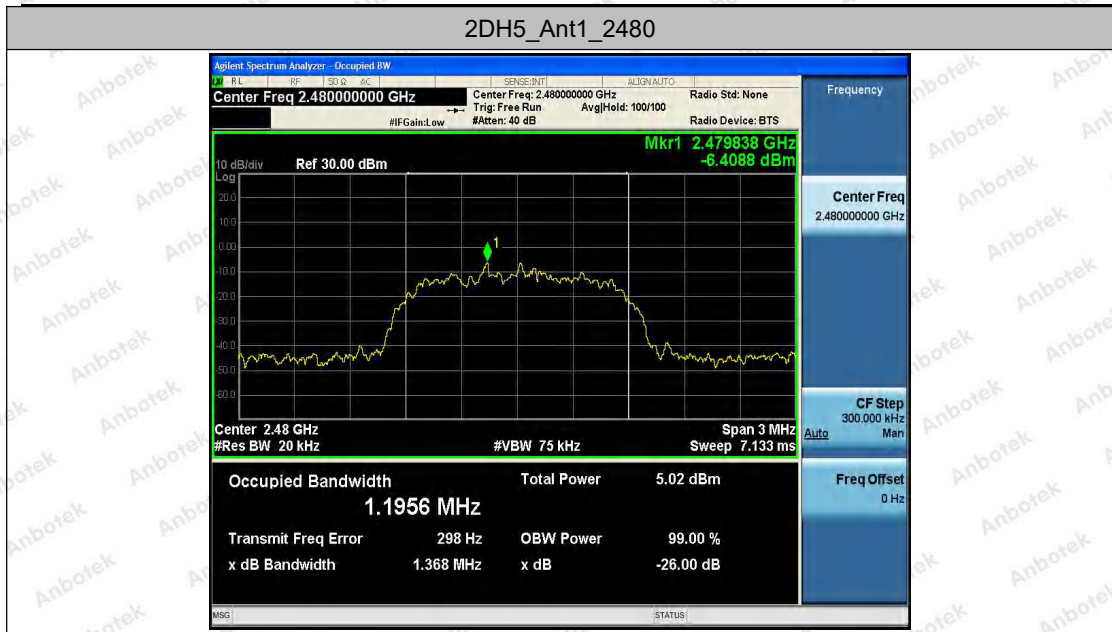


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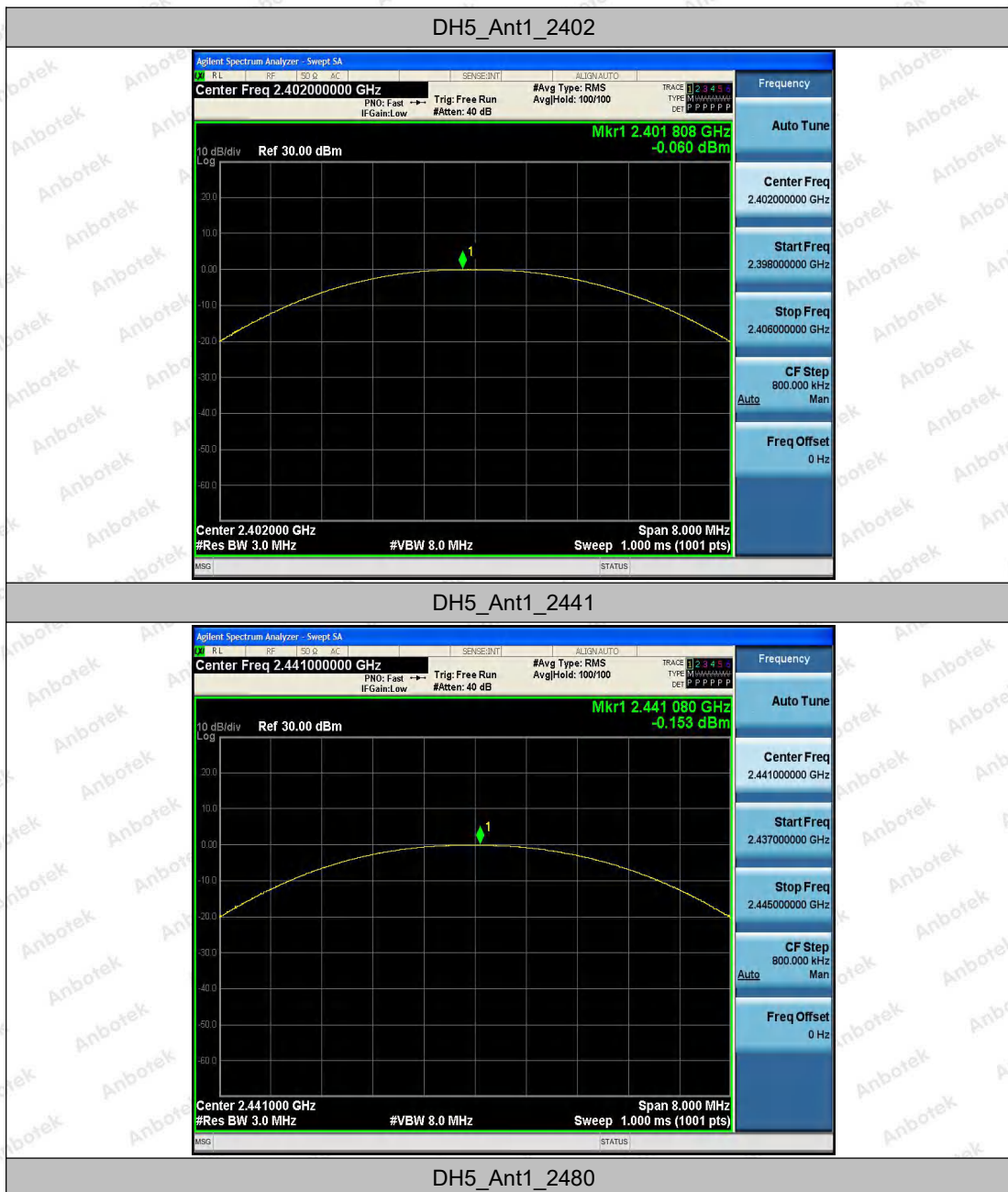
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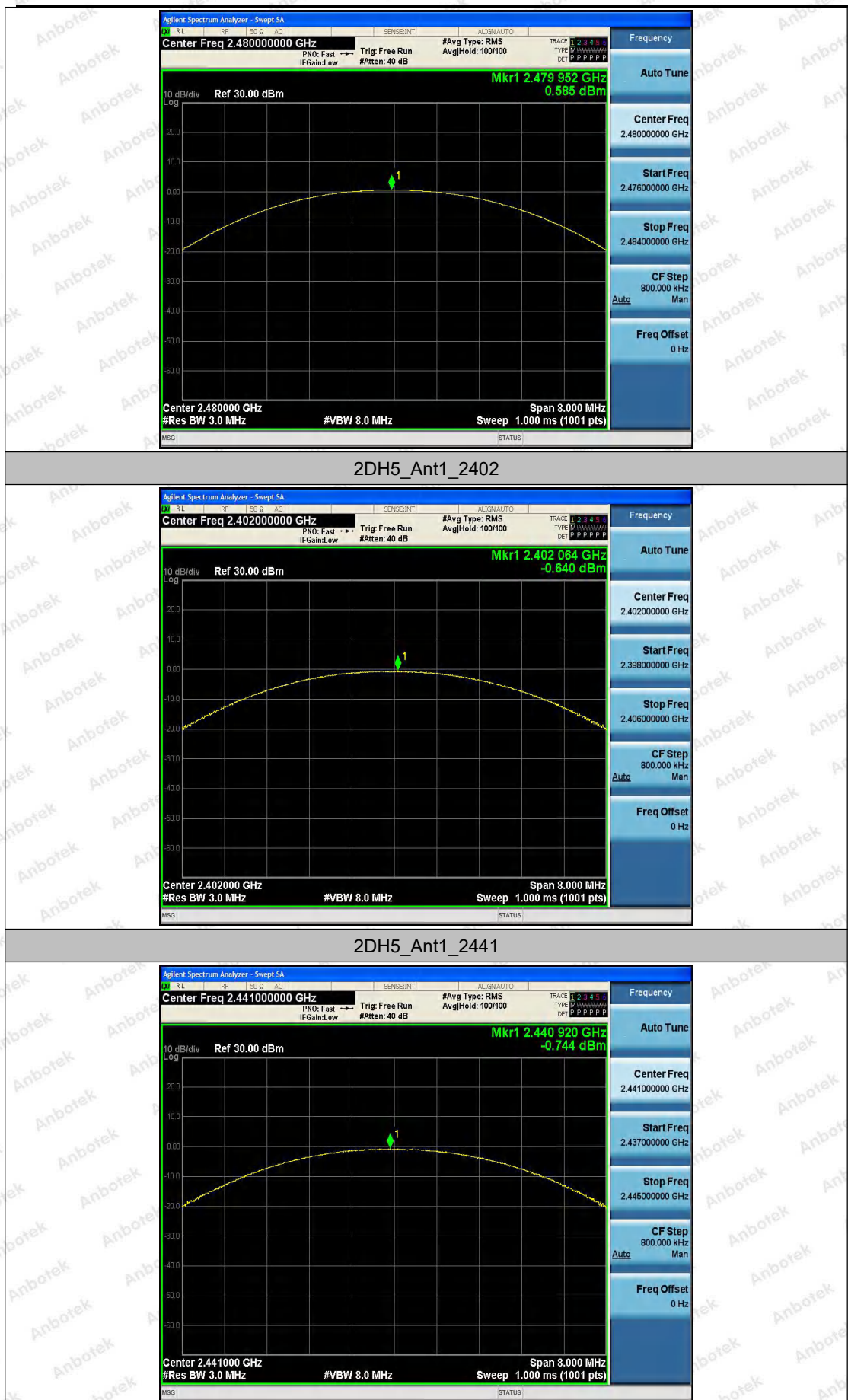
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.06	≤20.97	PASS
		2441	-0.15	≤20.97	PASS
		2480	0.59	≤20.97	PASS
2DH5	Ant1	2402	-0.64	≤20.97	PASS
		2441	-0.74	≤20.97	PASS
		2480	-0.01	≤20.97	PASS

Test Graphs



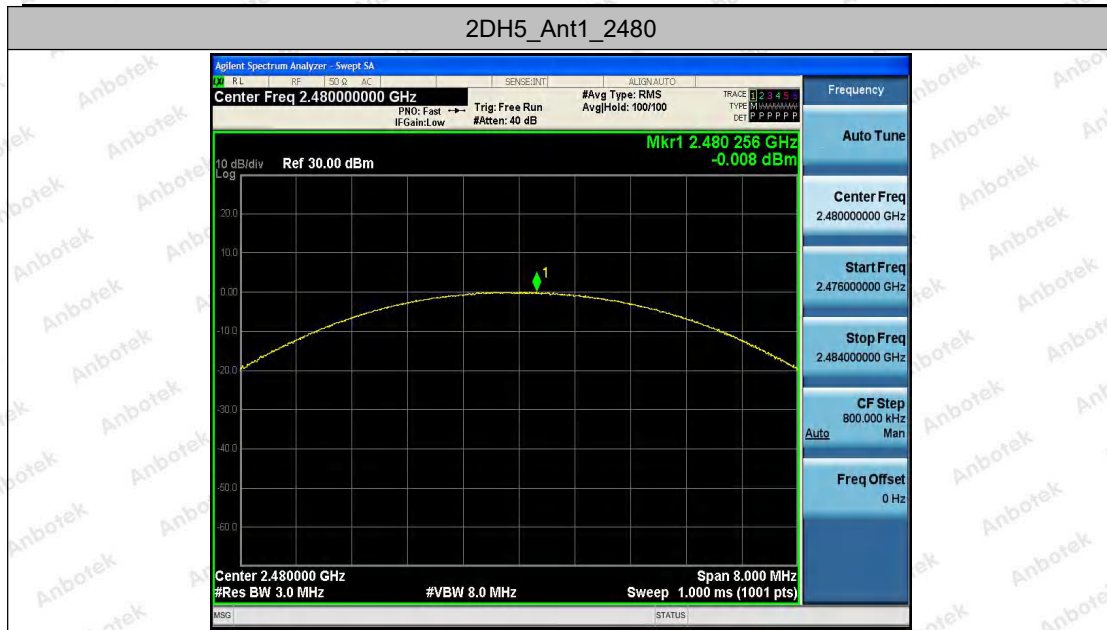


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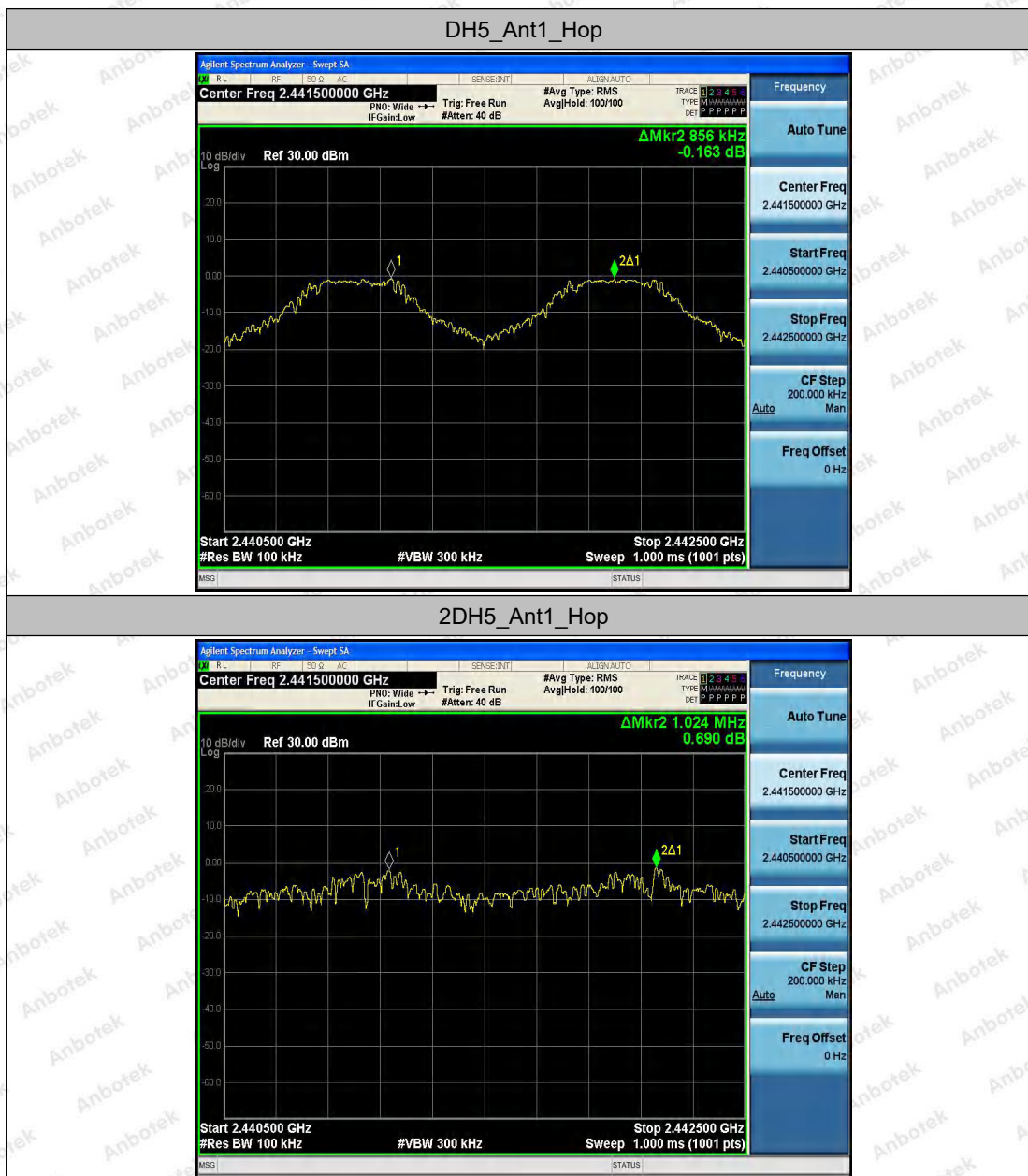
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.856	≥ 0.630	PASS
2DH5	Ant1	Hop	1.024	≥ 0.884	PASS

Test Graphs



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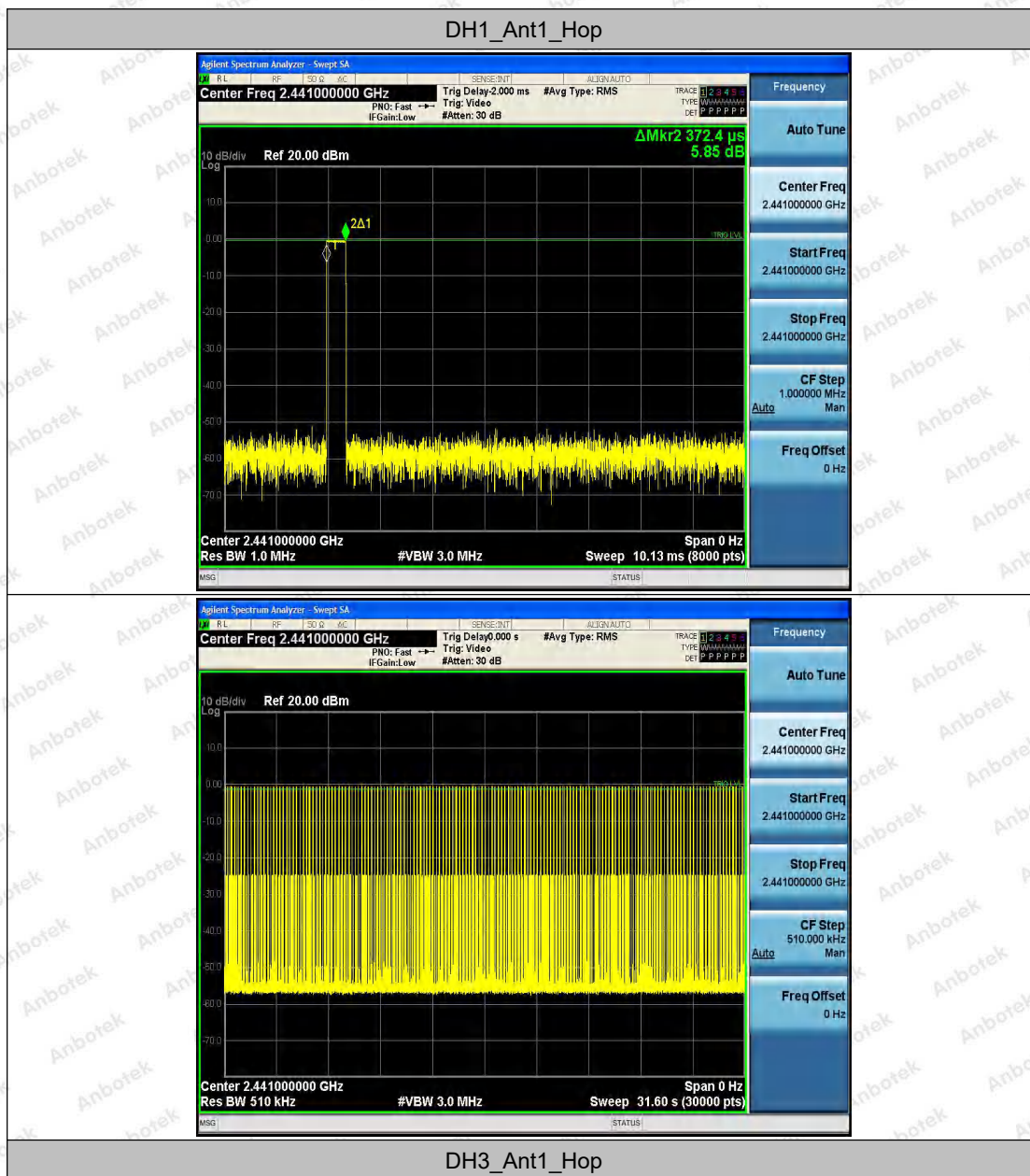
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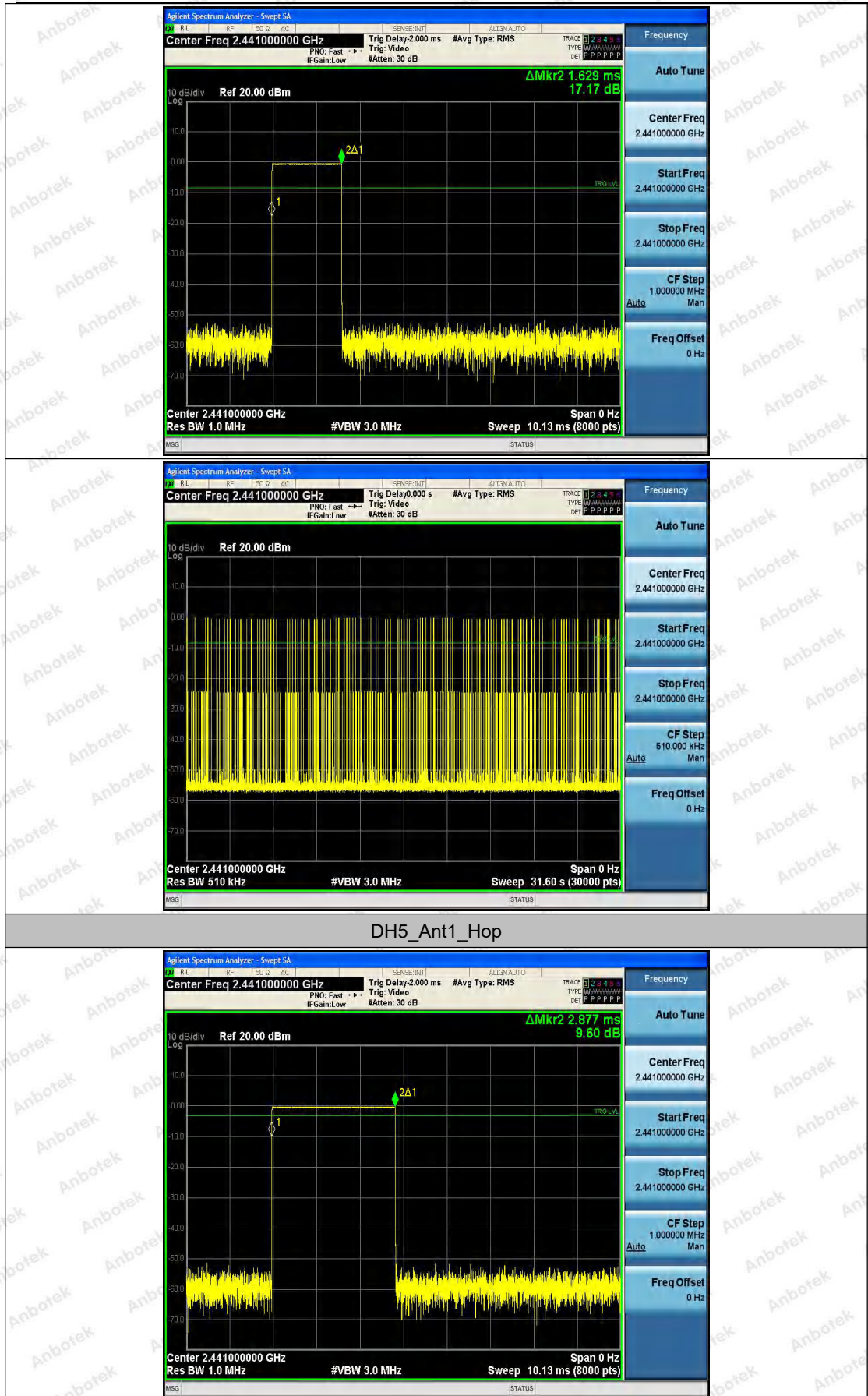
Appendix E: Time of occupancy

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	156	0.254	≤0.4	PASS
DH5	Ant1	Hop	2.88	103	0.296	≤0.4	PASS
2DH1	Ant1	Hop	0.38	312	0.118	≤0.4	PASS
2DH3	Ant1	Hop	1.63	162	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.88	92	0.265	≤0.4	PASS

Test Graphs





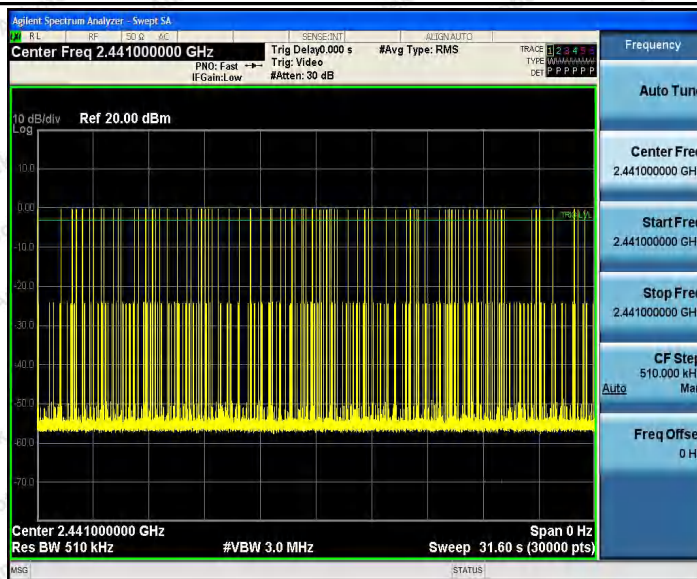
DH5_Ant1_Hop

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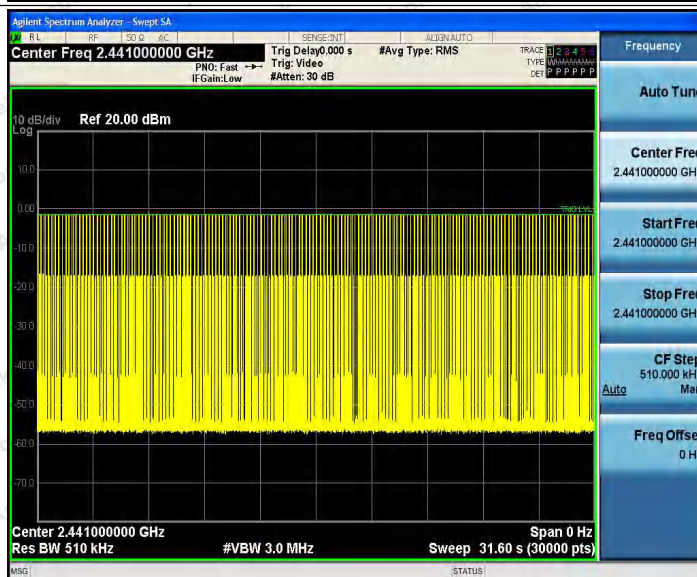
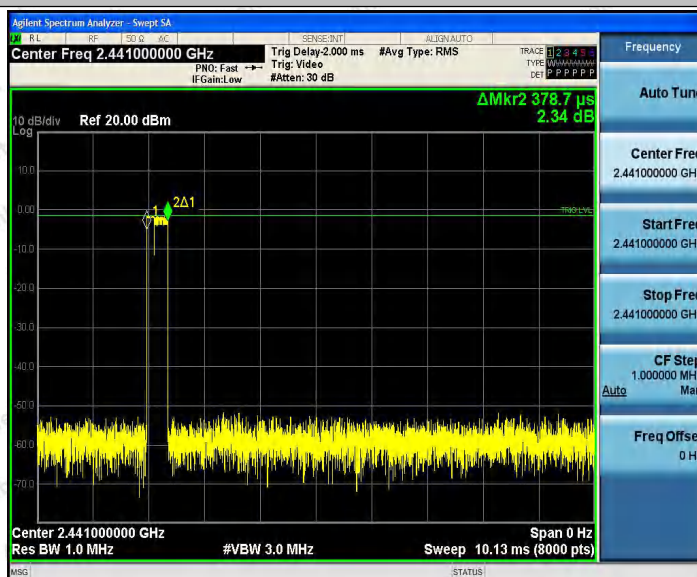
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2DH1_Ant1_Hop



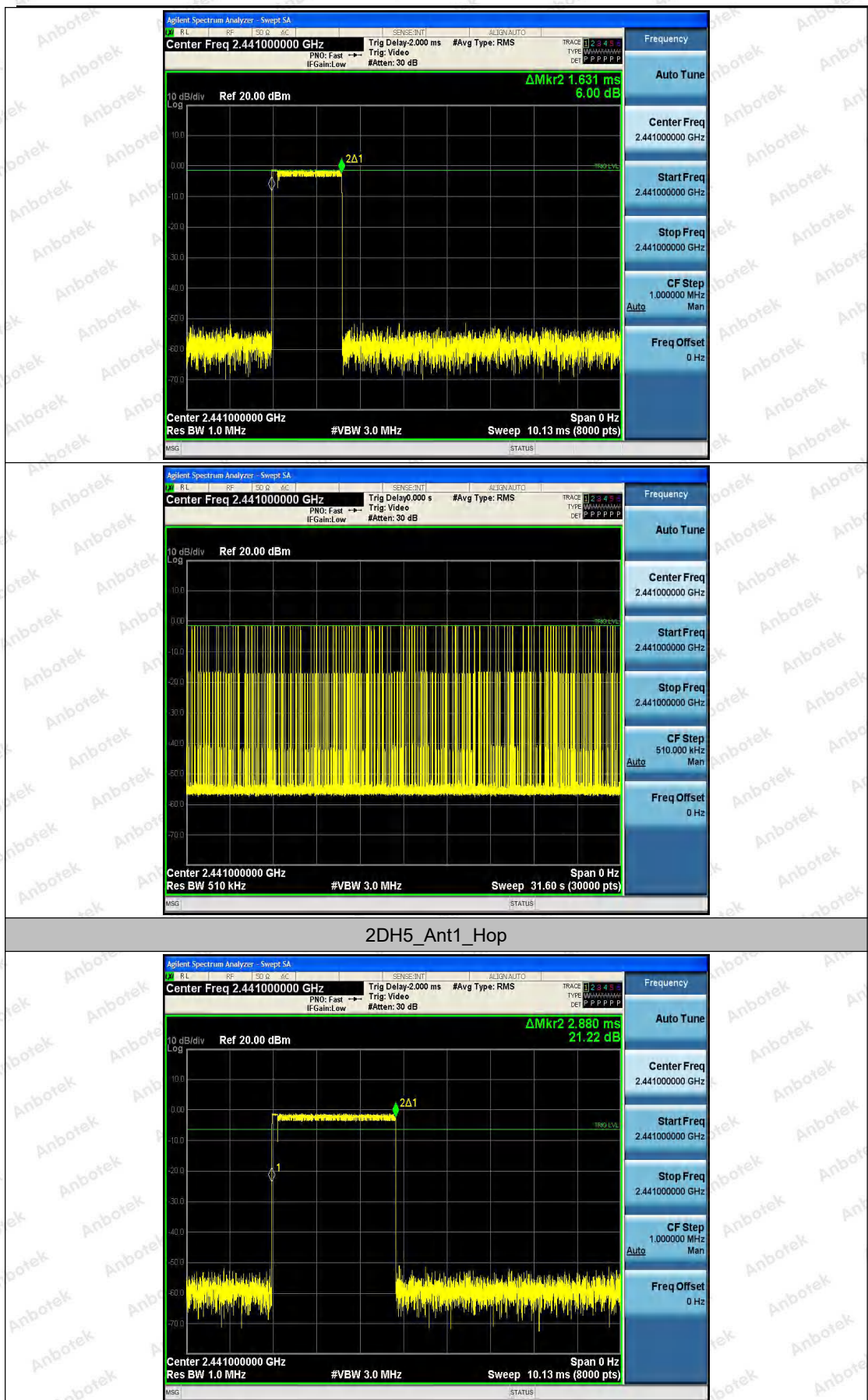
2DH3_Ant1_Hop

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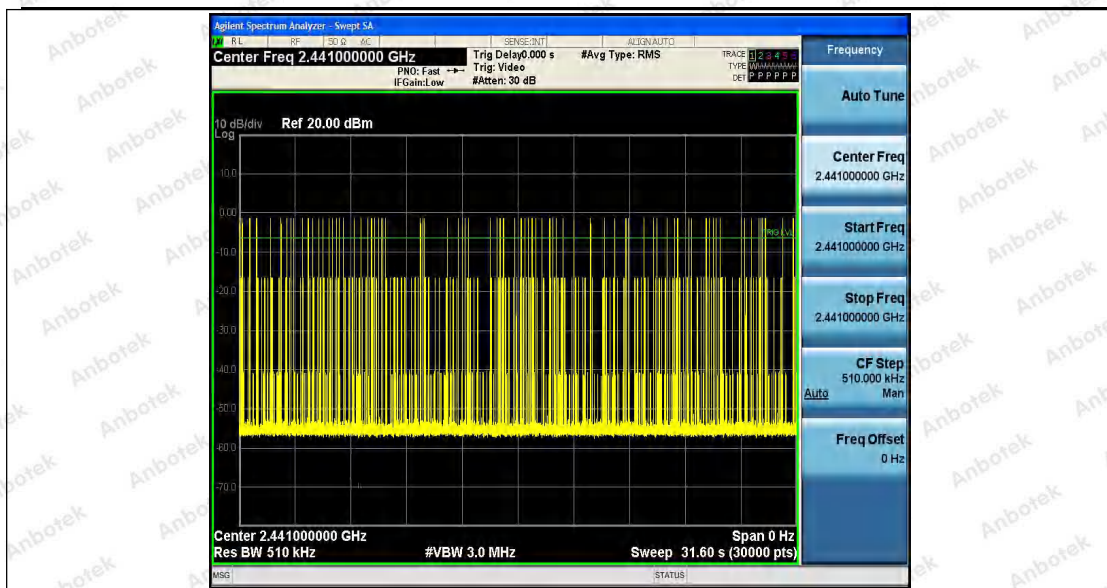


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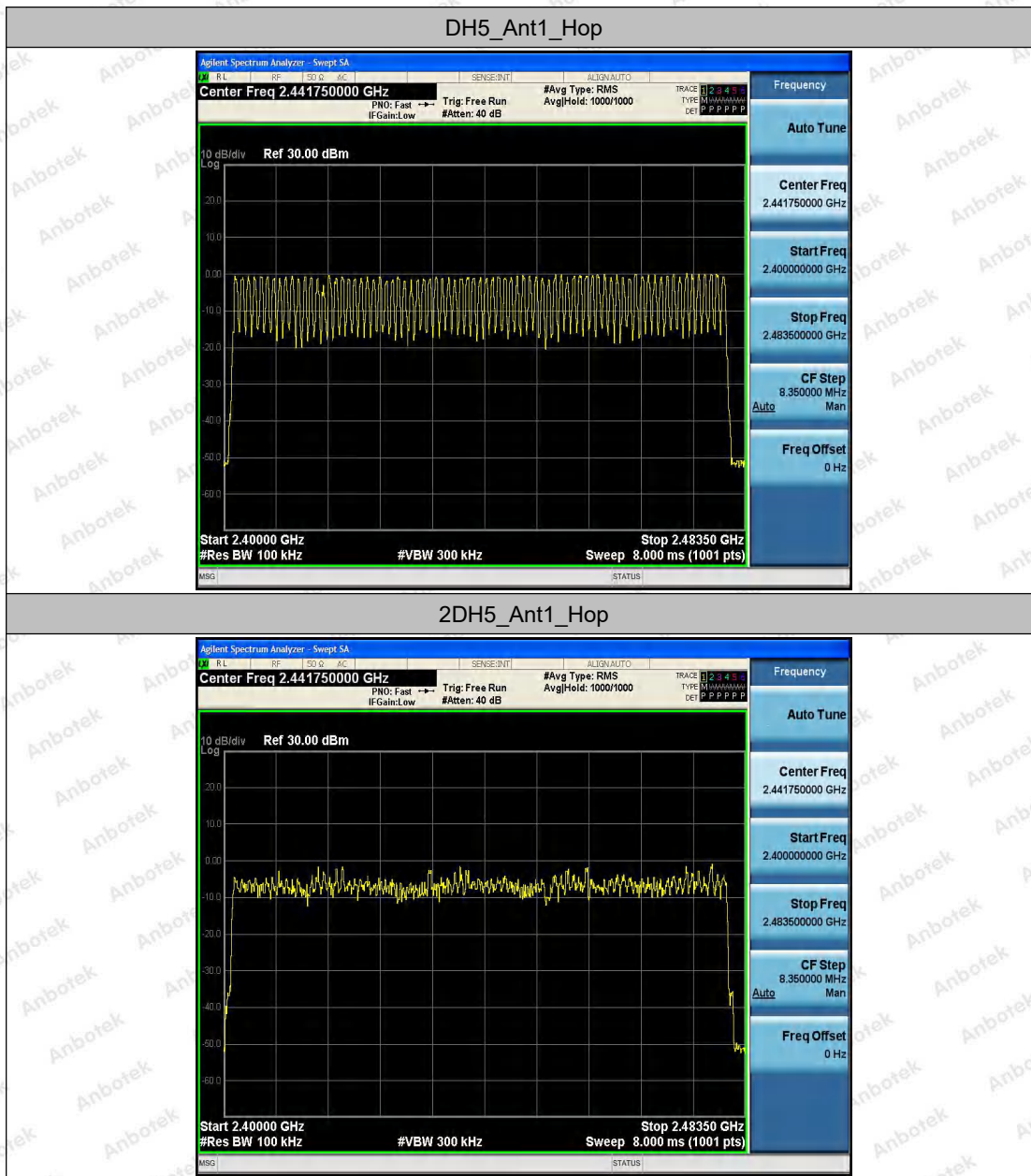
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Appendix F: Number of hopping channels

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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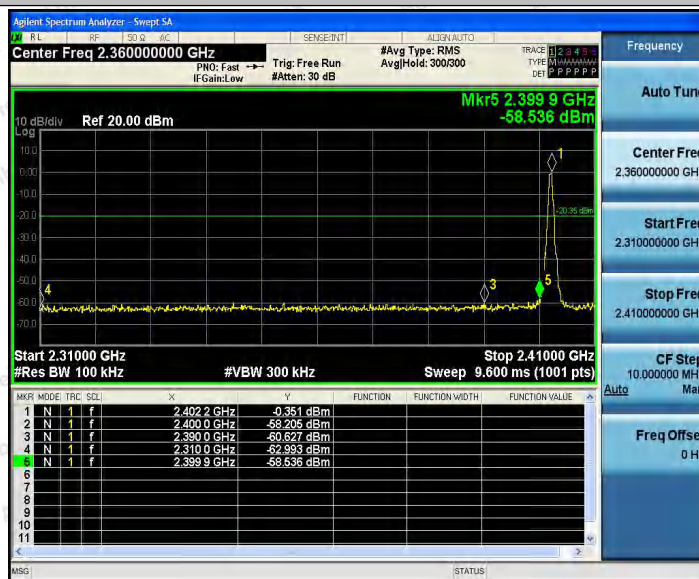
Appendix G: Band edge measurements

Test Result

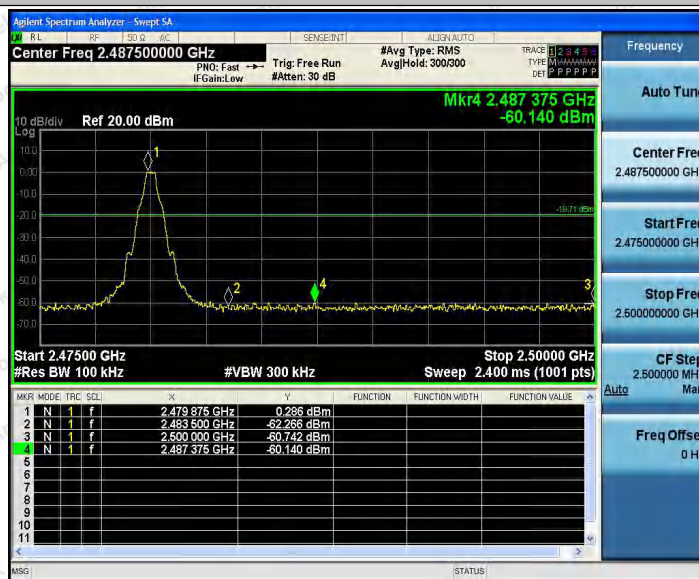
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.35	-58.54	≤-20.35	PASS
		High	2480	0.29	-60.14	≤-19.71	PASS
		Low	Hop	-0.56	-59.21	≤-20.56	PASS
		High	Hop	0.05	-61.83	≤-19.95	PASS
2DH5	Ant1	Low	2402	-1.76	-56.7	≤-21.76	PASS
		High	2480	-0.72	-58.66	≤-20.72	PASS
		Low	Hop	-1.32	-60.29	≤-21.32	PASS
		High	Hop	-2.68	-63.22	≤-22.68	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop

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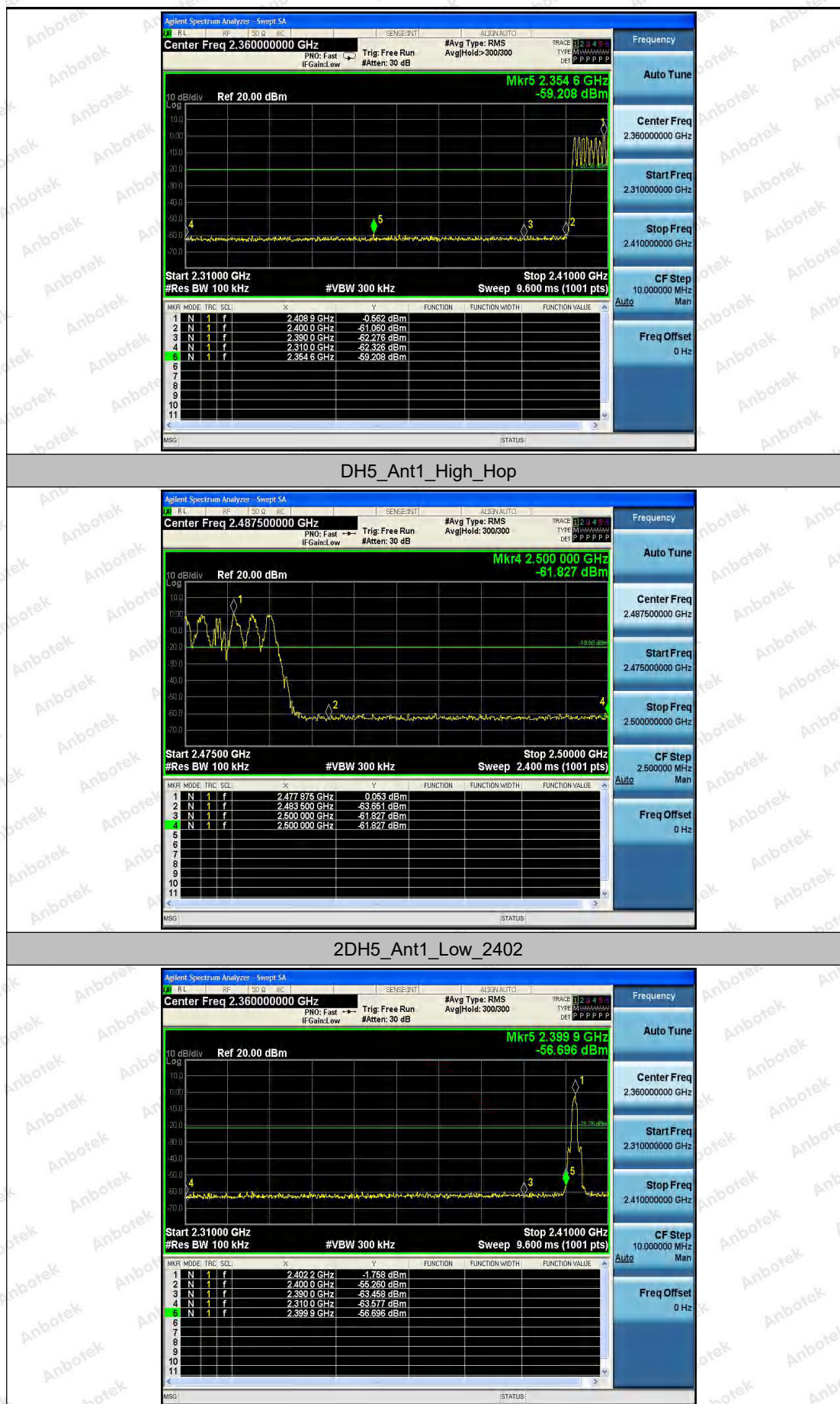
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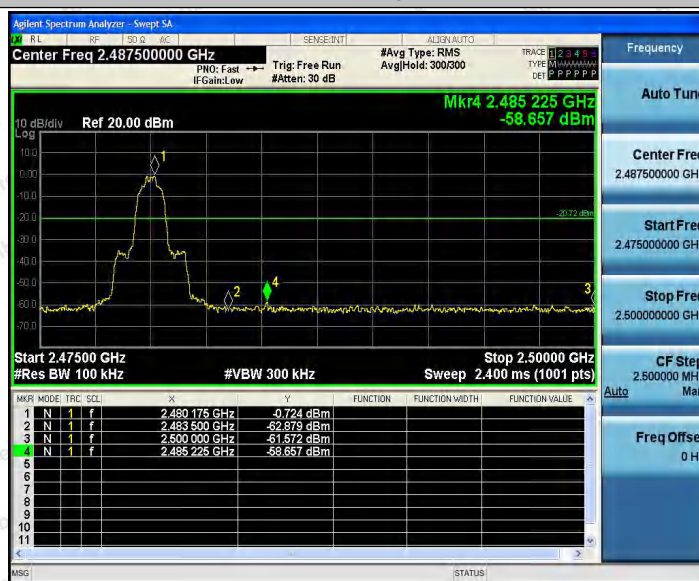
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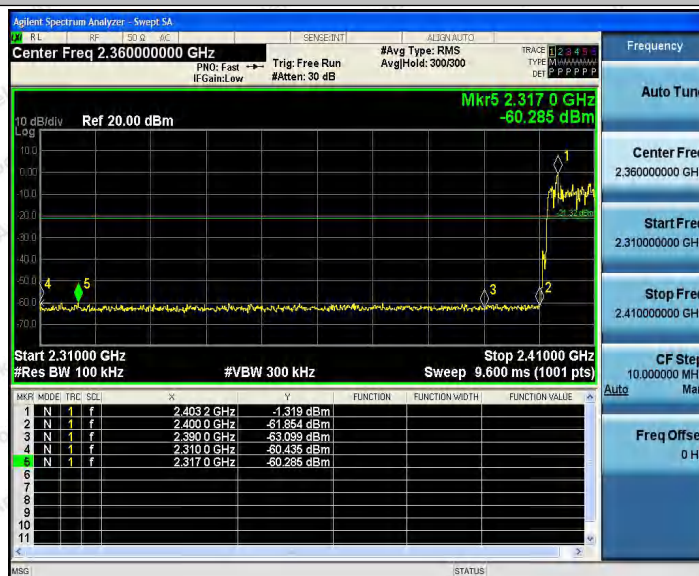
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



2DH5_Ant1_High_Hop

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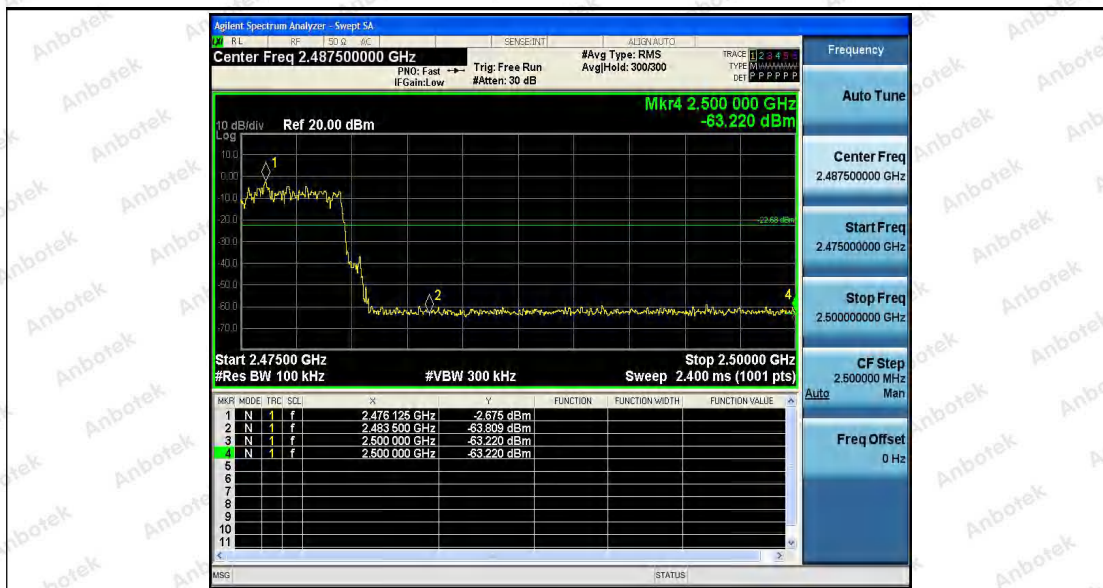
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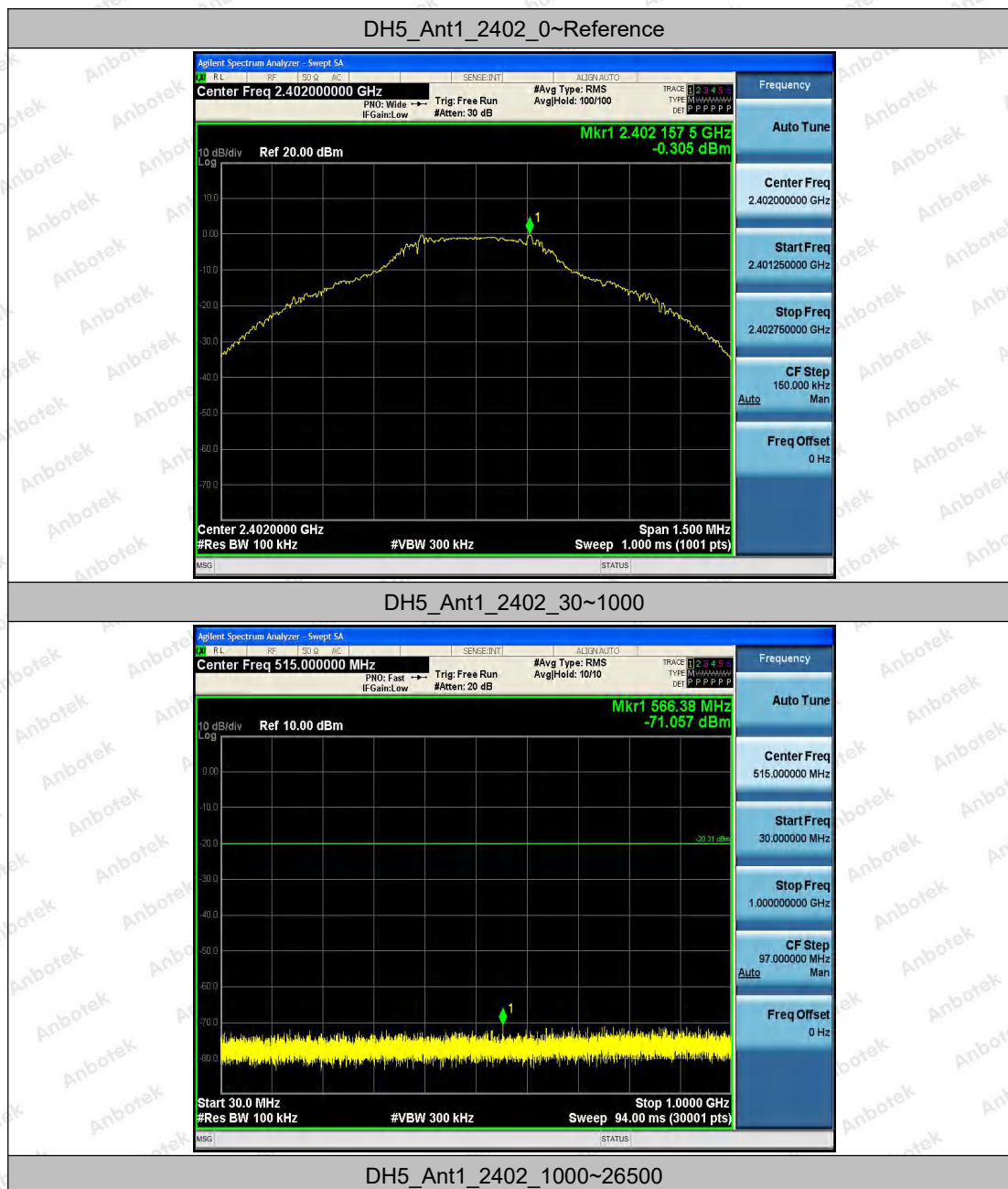
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.31	-0.31	---	PASS
			30~1000	-0.31	-71.06	≤-20.31	PASS
			1000~26500	-0.31	-56.23	≤-20.31	PASS
		2441	Reference	-0.52	-0.52	---	PASS
			30~1000	-0.52	-65.36	≤-20.52	PASS
			1000~26500	-0.52	-54.89	≤-20.52	PASS
		2480	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-70.96	≤-20.15	PASS
			1000~26500	-0.15	-55.62	≤-20.15	PASS
2DH5	Ant1	2402	Reference	-2.10	-2.10	---	PASS
			30~1000	-2.10	-70.07	≤-22.1	PASS
			1000~26500	-2.10	-54.98	≤-22.1	PASS
		2441	Reference	-2.23	-2.23	---	PASS
			30~1000	-2.23	-70.39	≤-22.23	PASS
			1000~26500	-2.23	-55.46	≤-22.23	PASS
		2480	Reference	-0.98	-0.98	---	PASS
			30~1000	-0.98	-70.37	≤-20.98	PASS
			1000~26500	-0.98	-56.31	≤-20.98	PASS

Test Graphs



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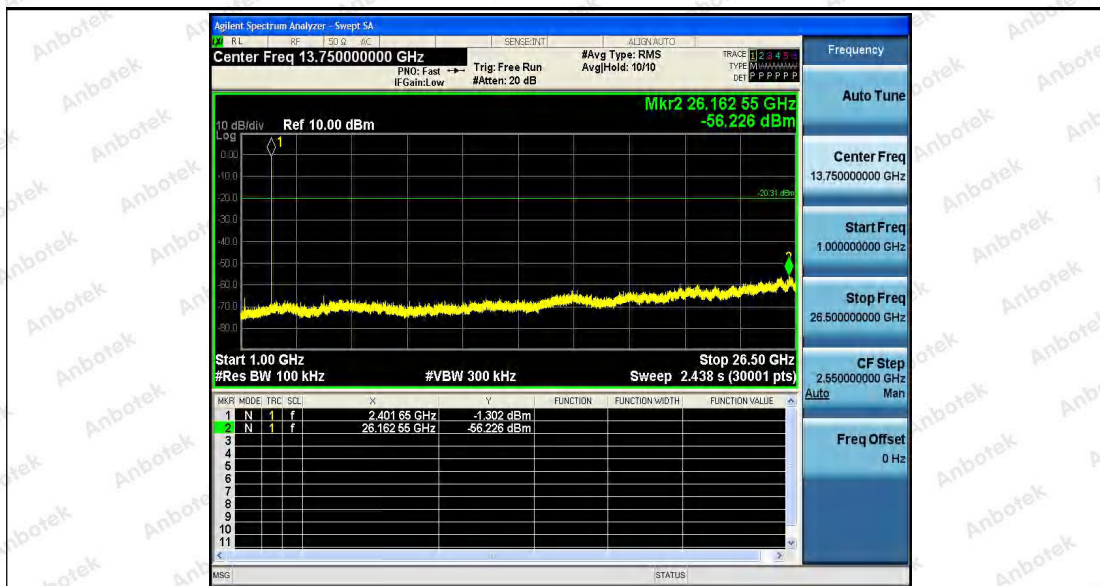
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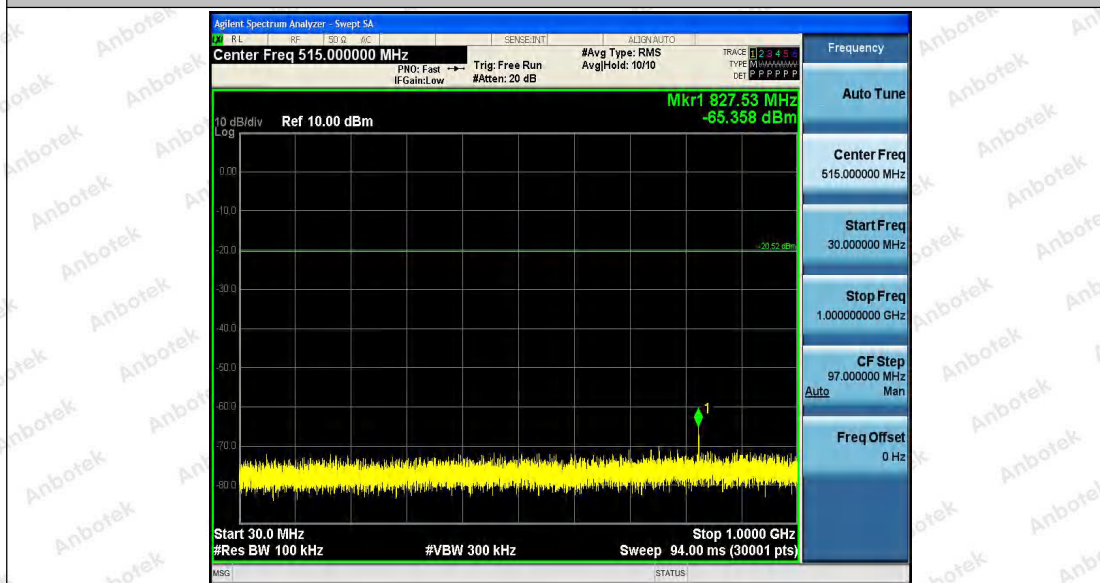
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



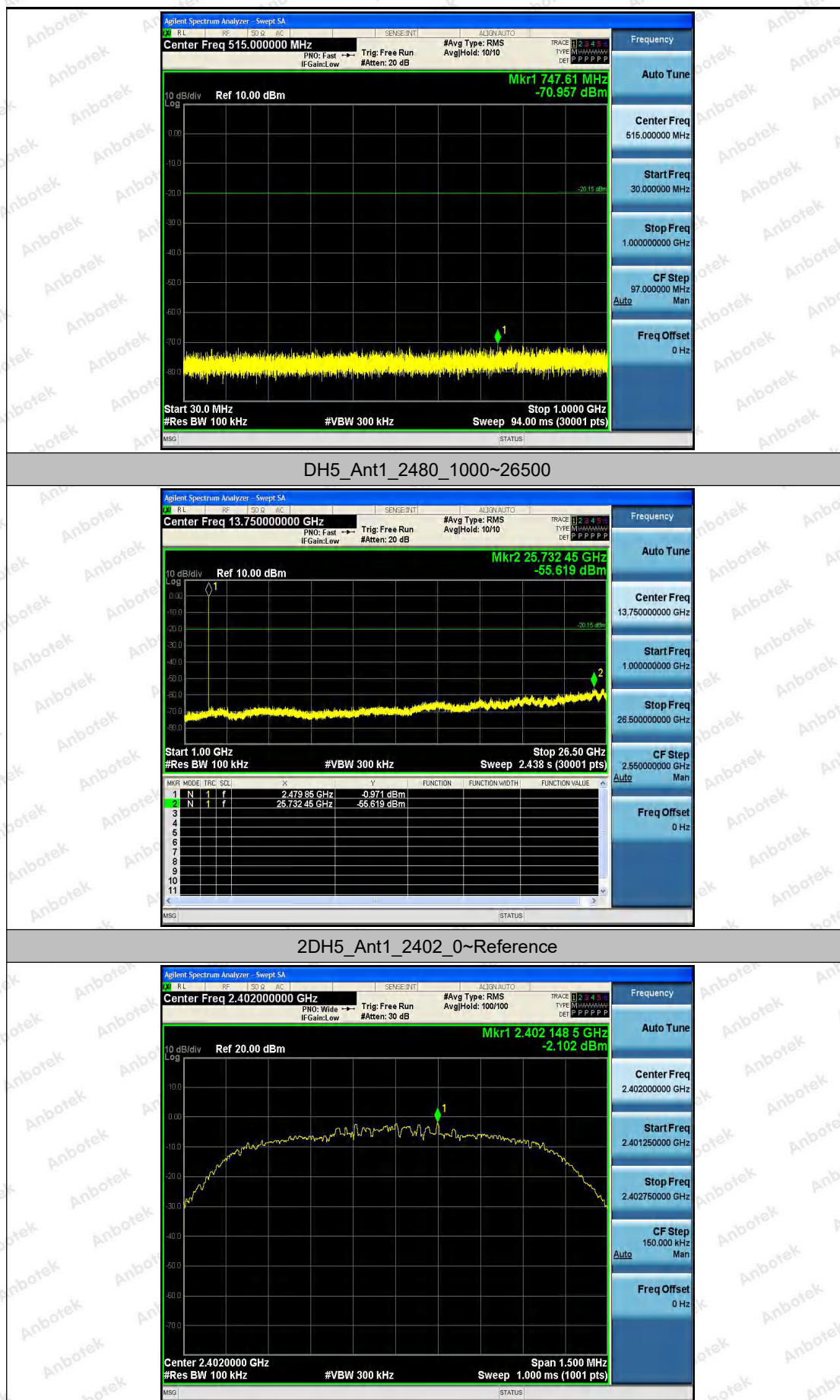
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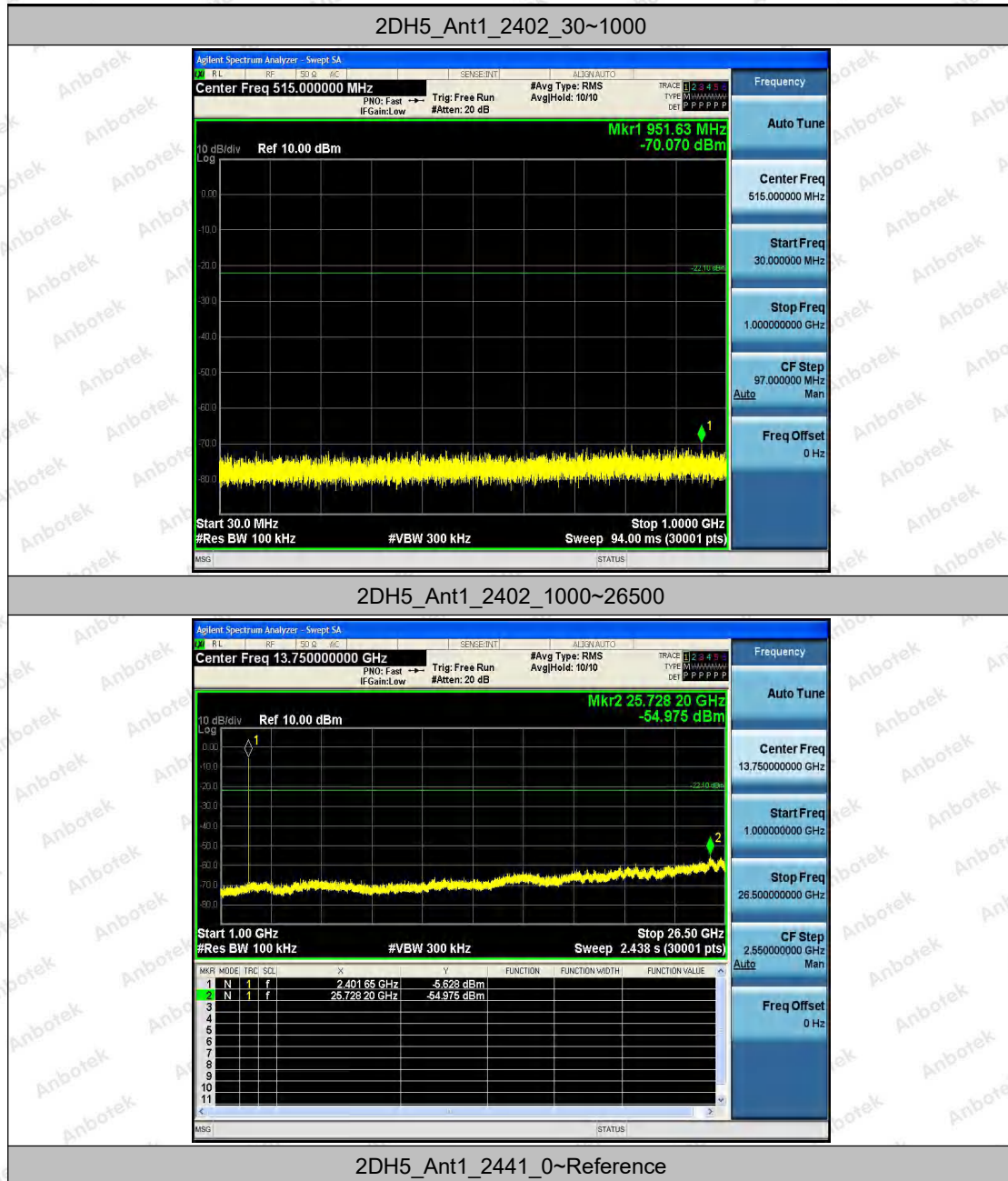


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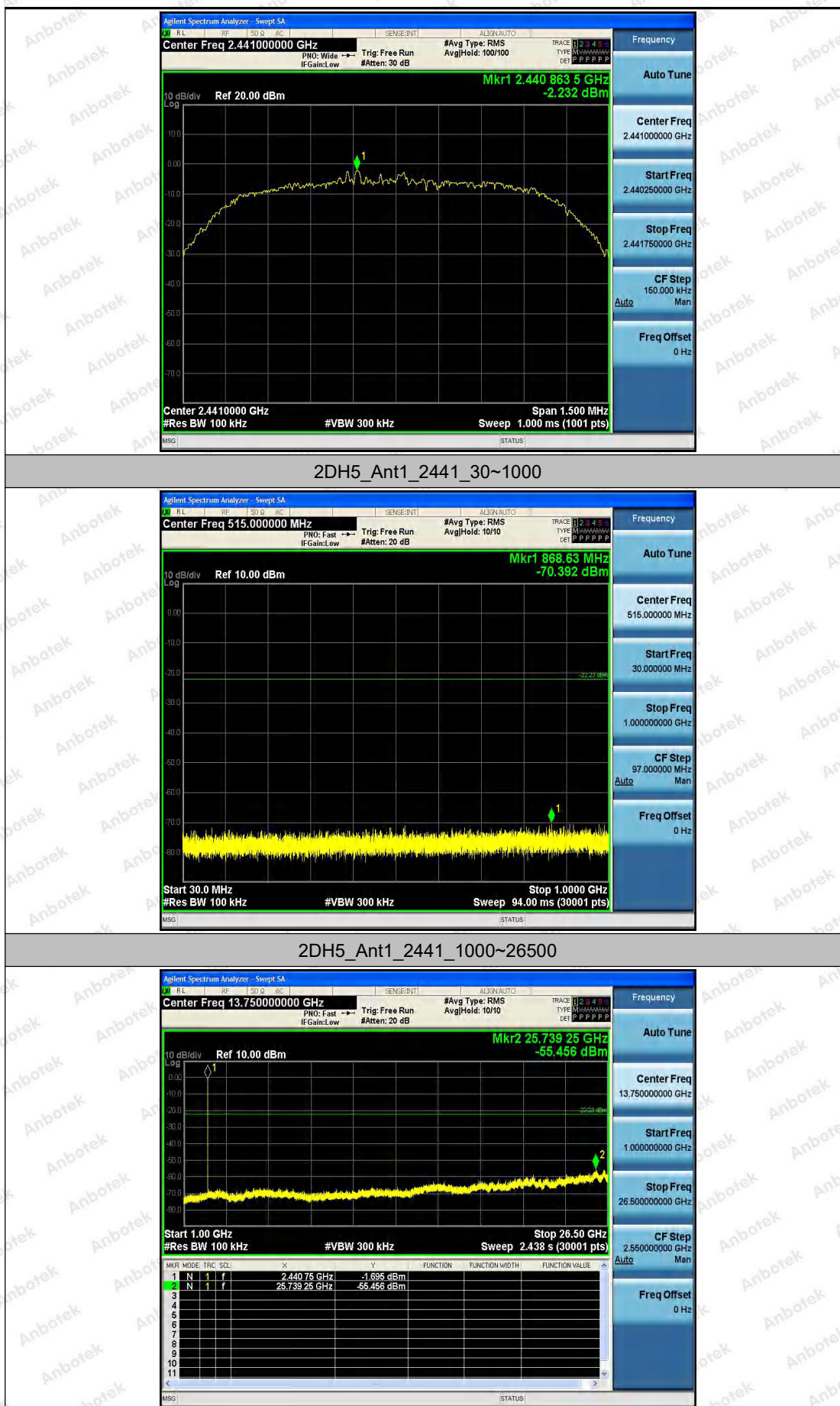
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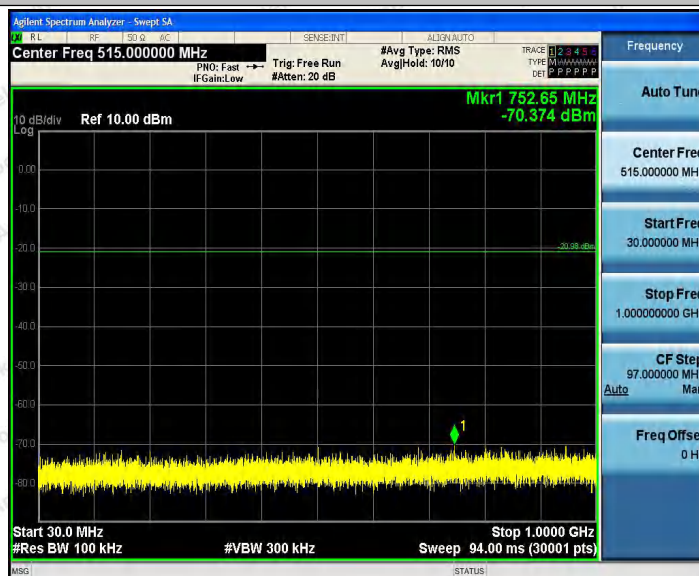
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



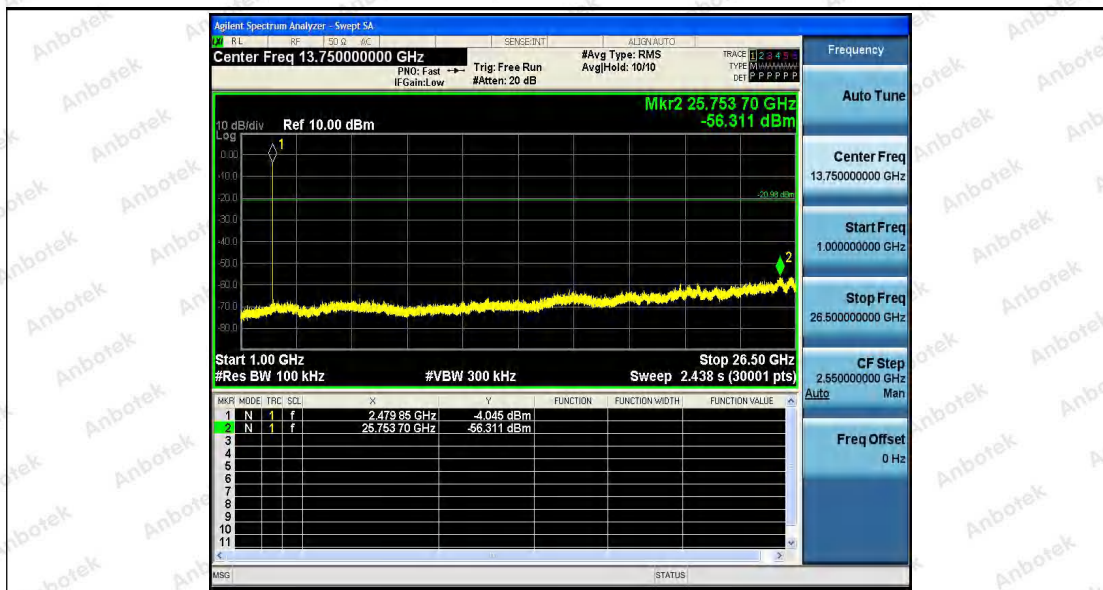
2DH5_Ant1_2480_1000~26500

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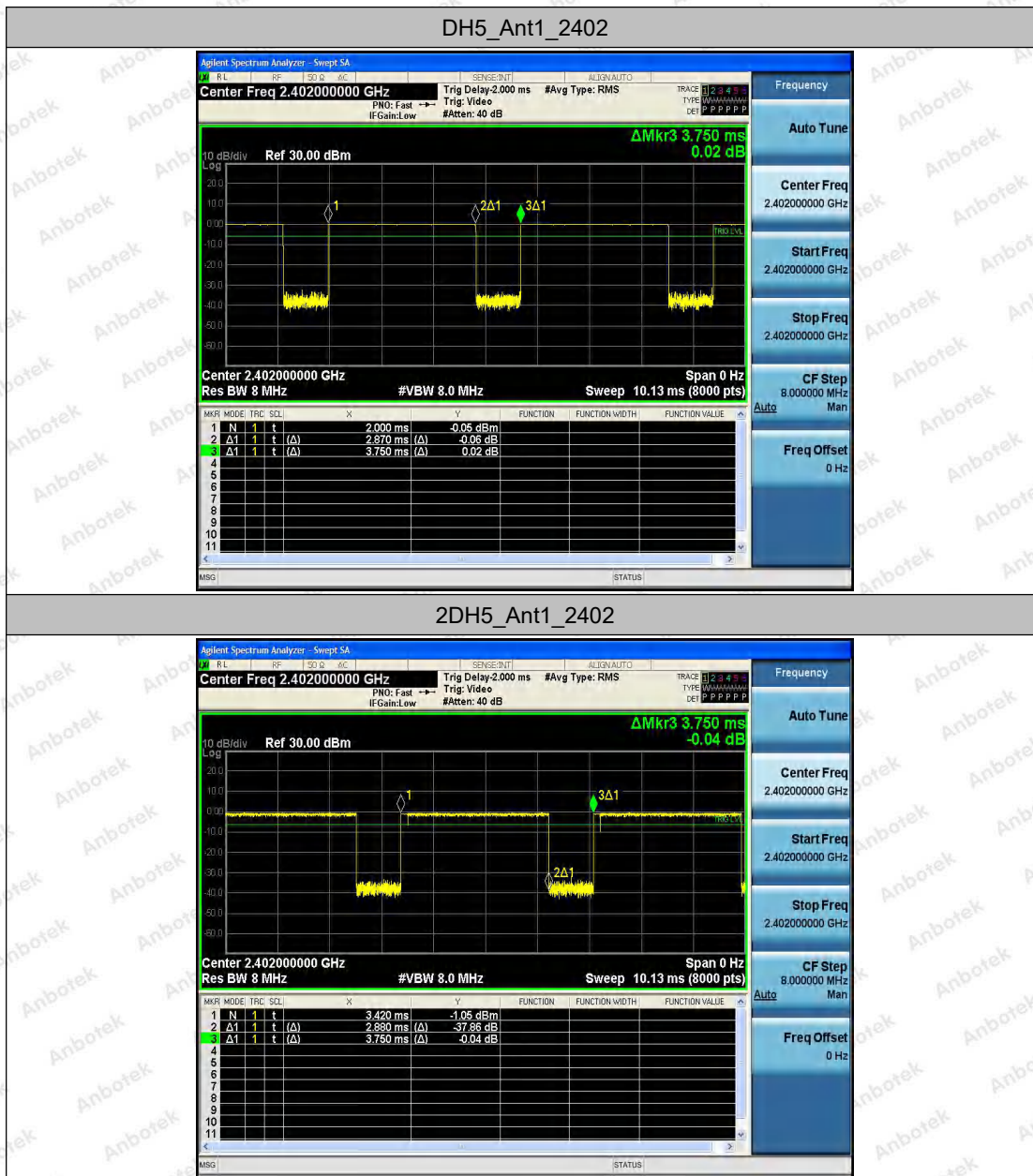
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Appendix I: Duty Cycle

Test Result

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

Test Graphs



---End---

