

Appendix Test Data

Report No.:	18220WC20019401	Test Sample No.:	1-2-2
Start Test Date:	2022.2.16	Finish Test Date:	2022.2.22
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	55.6 %
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	0.948	2440.541	2441.489	---	PASS
		2480	0.948	2479.538	2480.486	---	PASS
2DH5	Ant1	2402	1.323	2401.340	2402.663	---	PASS
		2441	1.257	2440.370	2441.627	---	PASS
		2480	1.293	2479.346	2480.639	---	PASS

Test Graphs

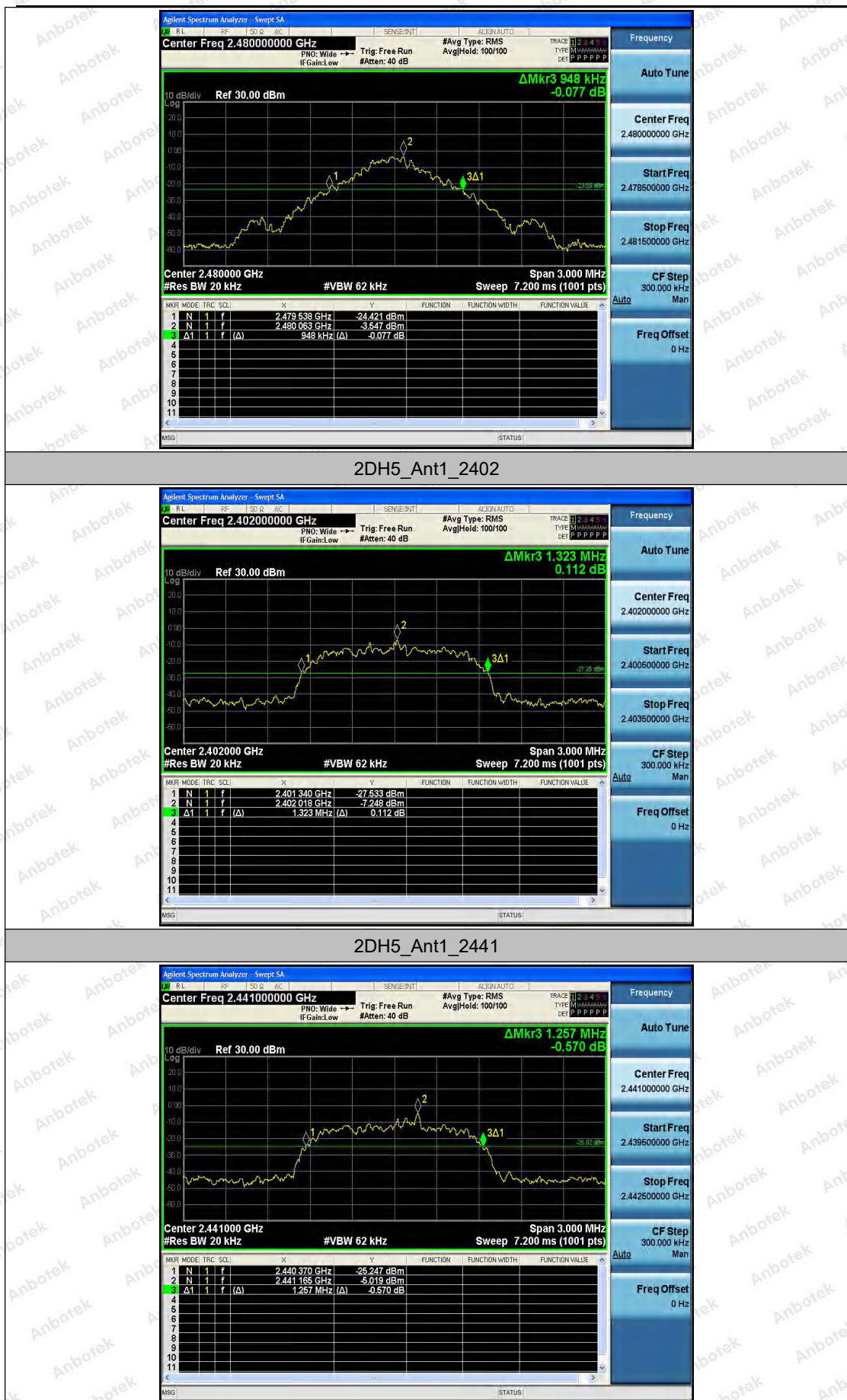
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



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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	0.88548	2401.55 9	2402.444	---	PASS
		2441	0.89013	2440.55 8	2441.449	---	PASS
		2480	0.89149	2479.55 8	2480.450	---	PASS
2DH5	Ant1	2402	1.1960	2401.40 5	2402.601	---	PASS
		2441	1.1971	2440.40 5	2441.602	---	PASS
		2480	1.1847	2479.41 1	2480.596	---	PASS

Test Graphs



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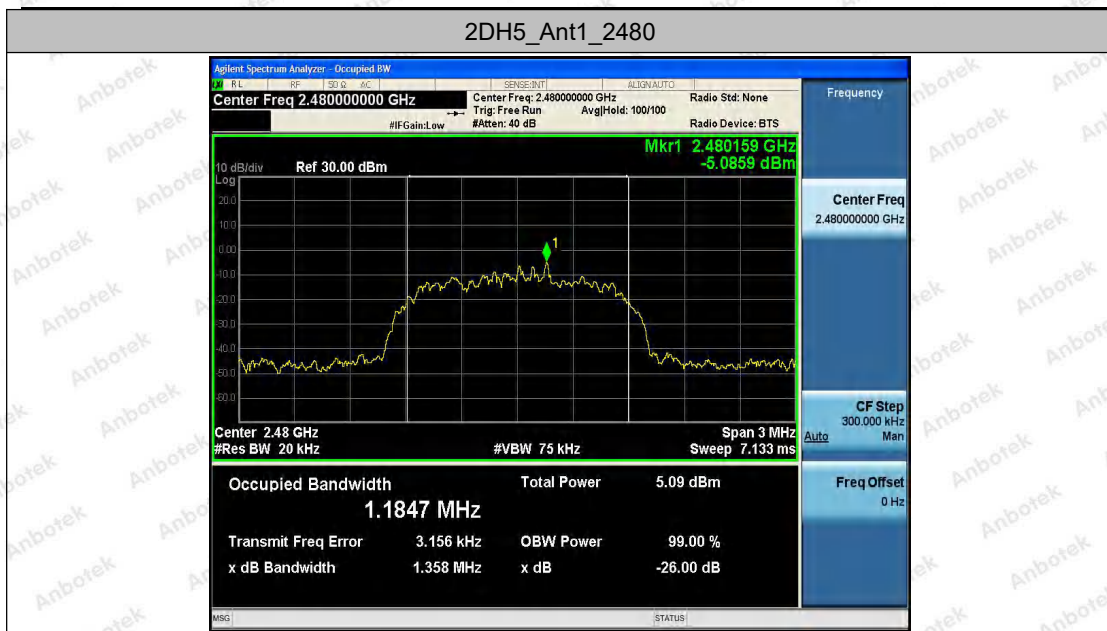
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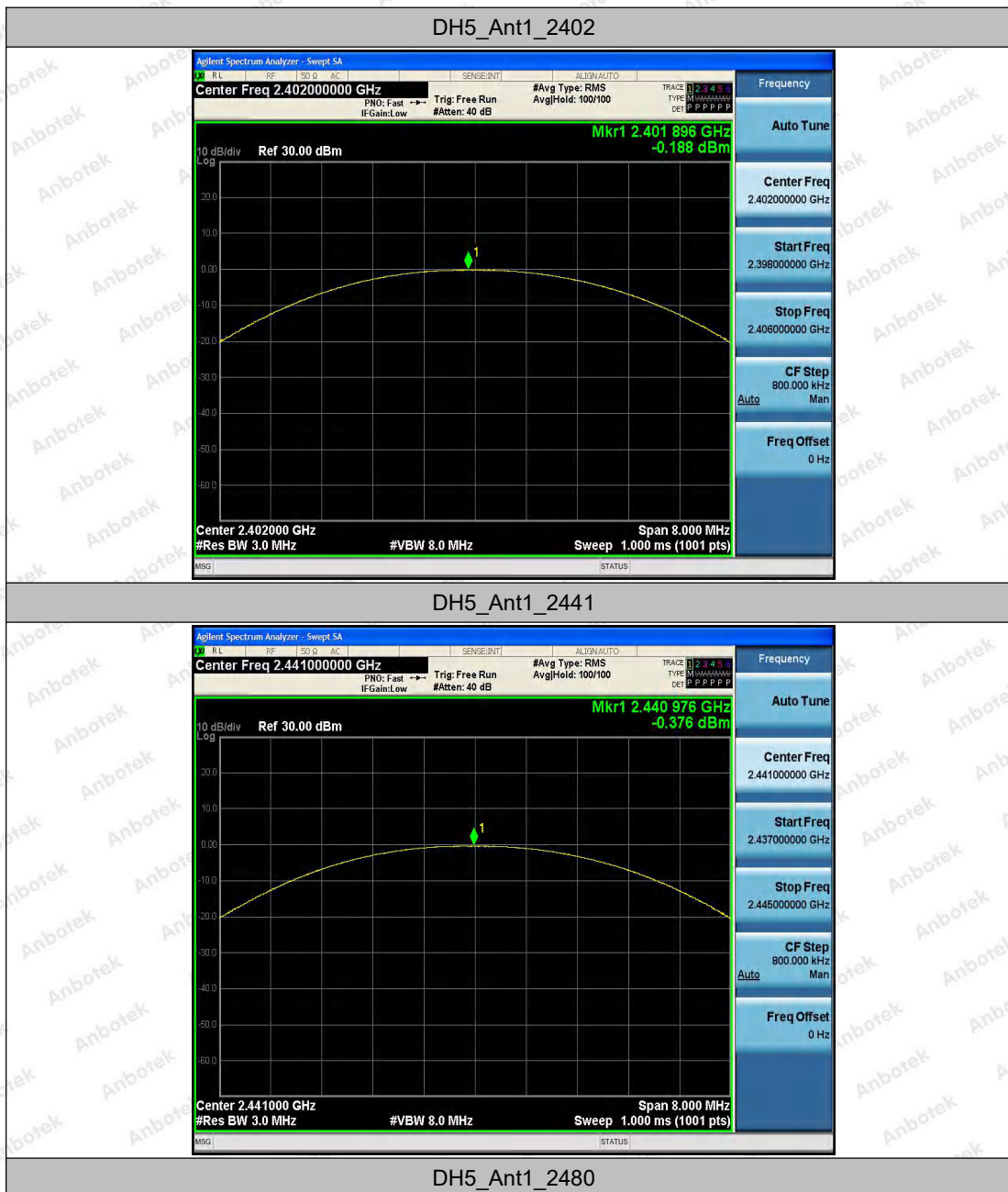
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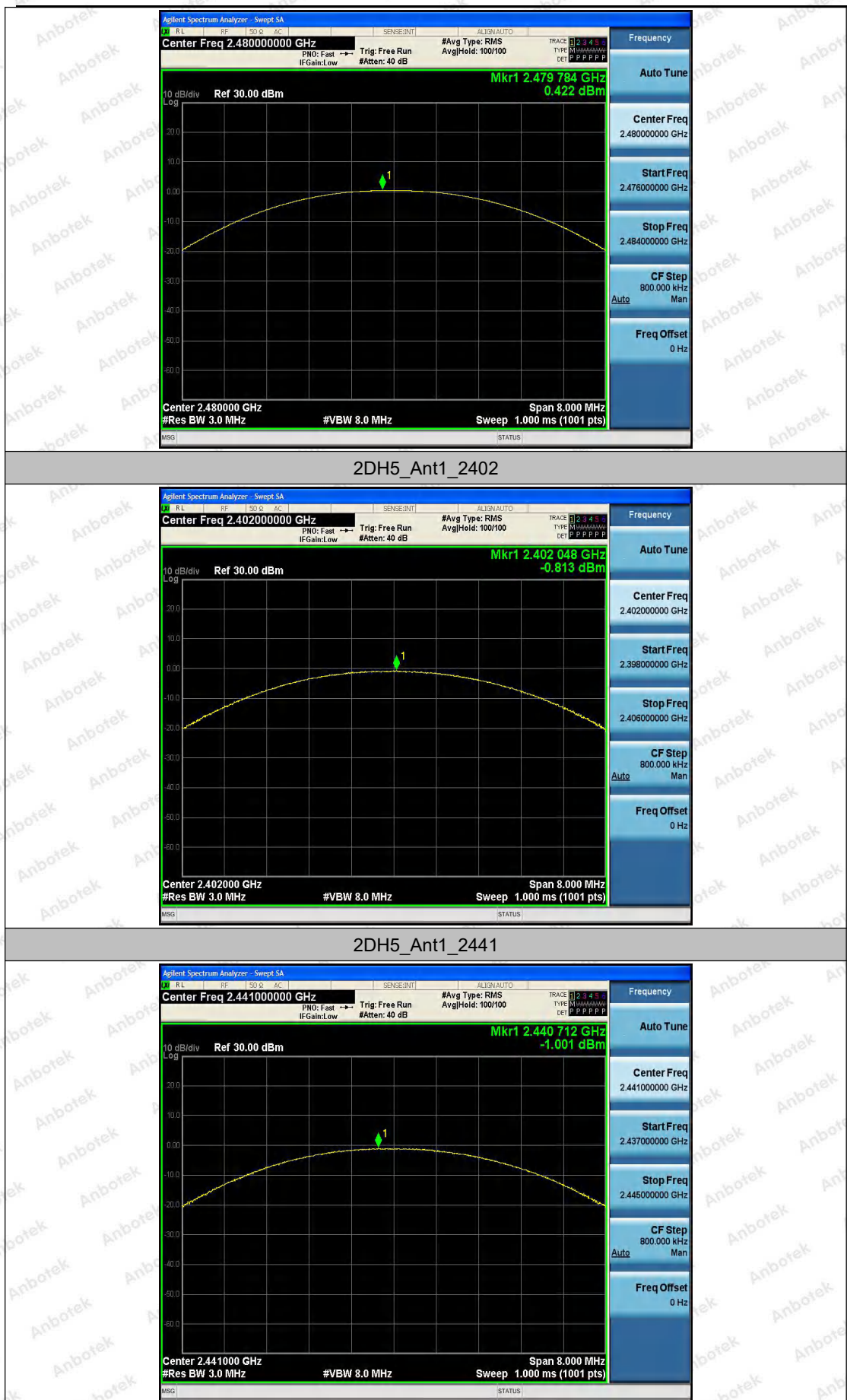
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.19	≤20.97	PASS
		2441	-0.38	≤20.97	PASS
		2480	0.42	≤20.97	PASS
2DH5	Ant1	2402	-0.81	≤20.97	PASS
		2441	-1	≤20.97	PASS
		2480	-0.27	≤20.97	PASS

Test Graphs





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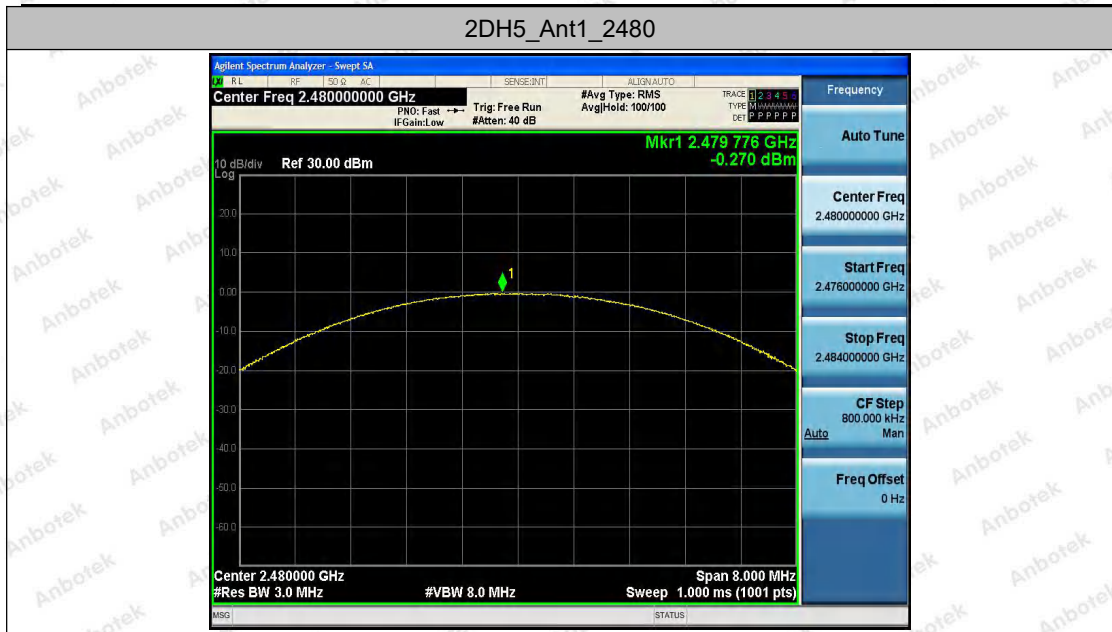
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.182	≥ 0.948	PASS
2DH5	Ant1	Hop	1.314	≥ 0.882	PASS

Test Graphs



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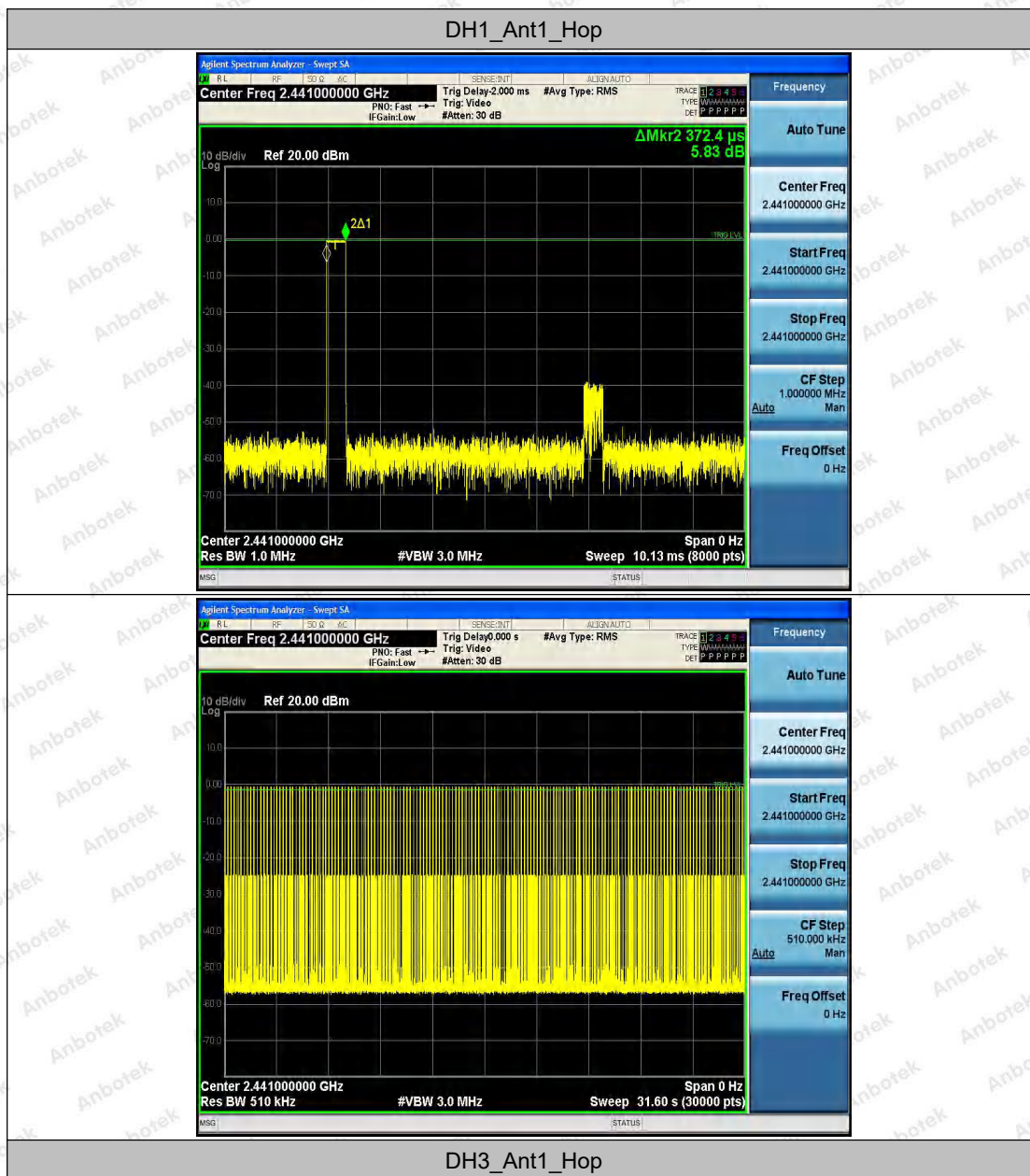
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Appendix E: Time of occupancy

Test Result

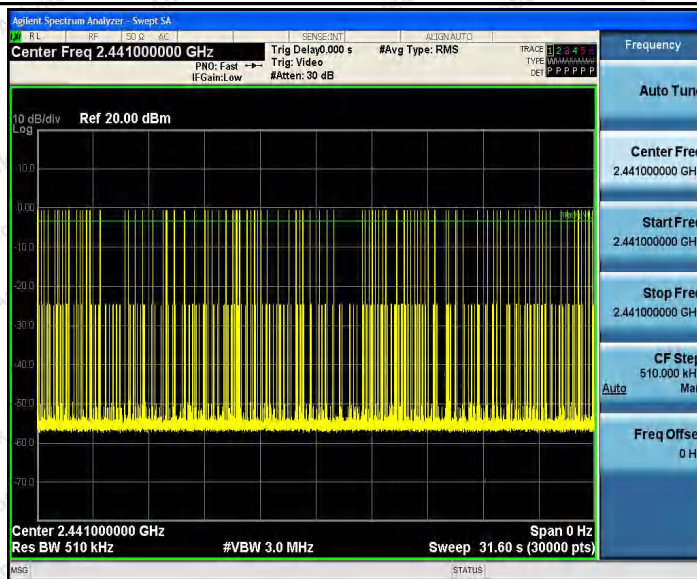
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	314	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.63	158	0.257	≤0.4	PASS
DH5	Ant1	Hop	2.88	116	0.334	≤0.4	PASS
2DH1	Ant1	Hop	0.38	313	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.63	159	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS

Test Graphs

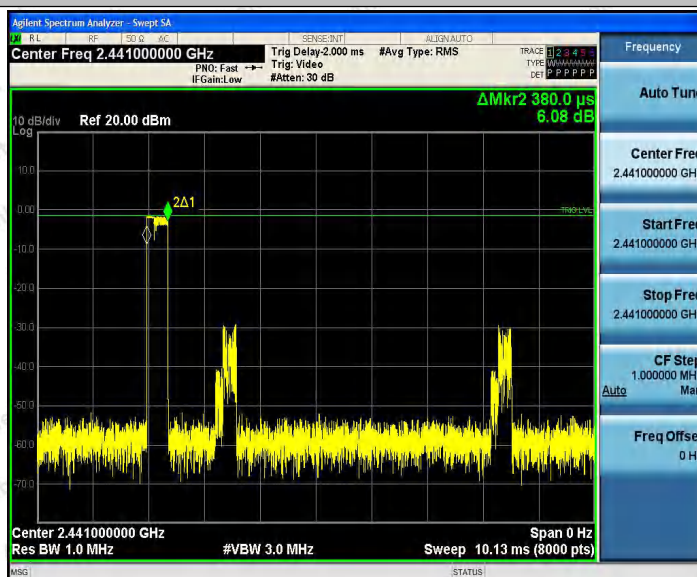




DH5_Ant1_Hop



2DH1_Ant1_Hop



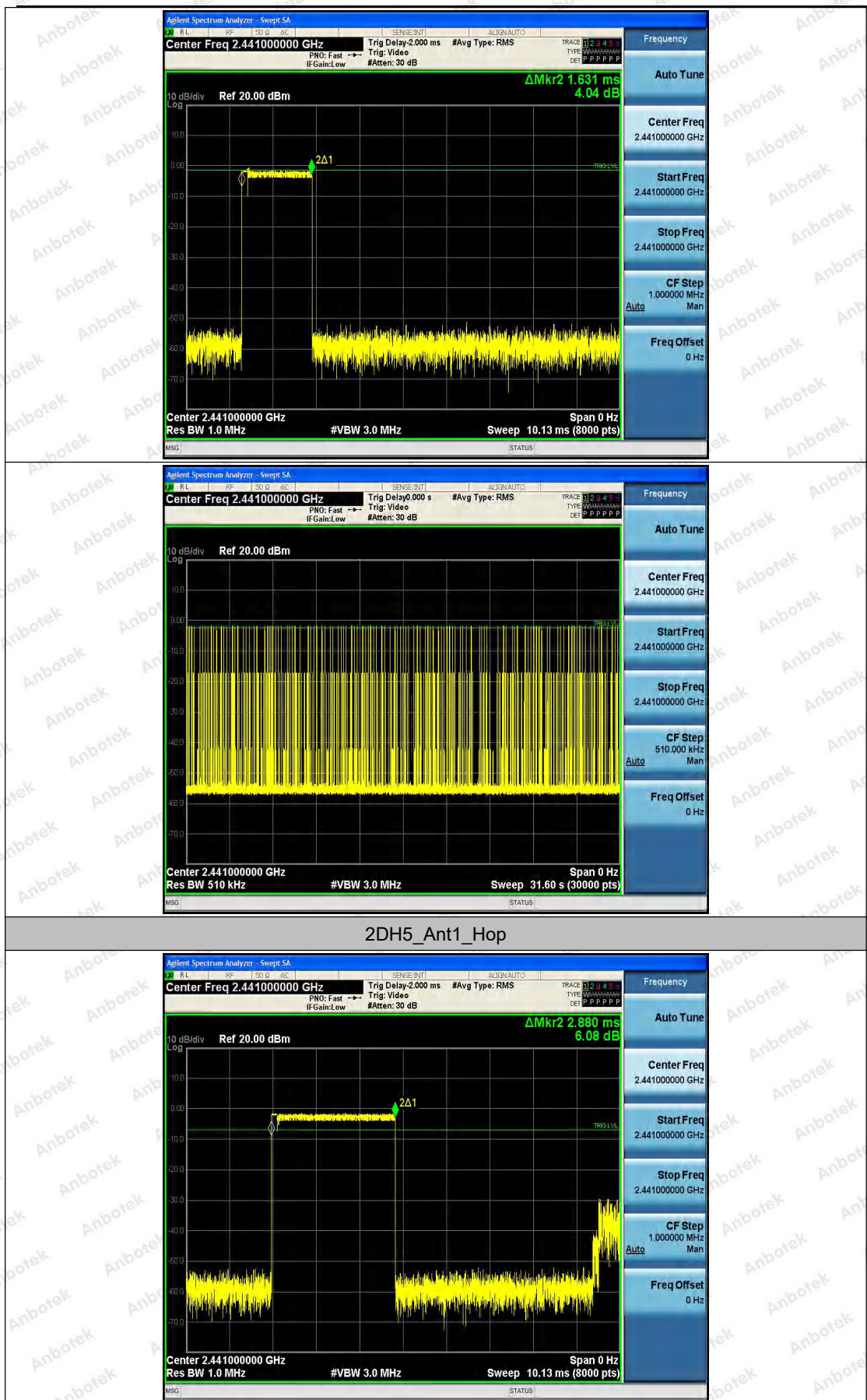
2DH3_Ant1_Hop

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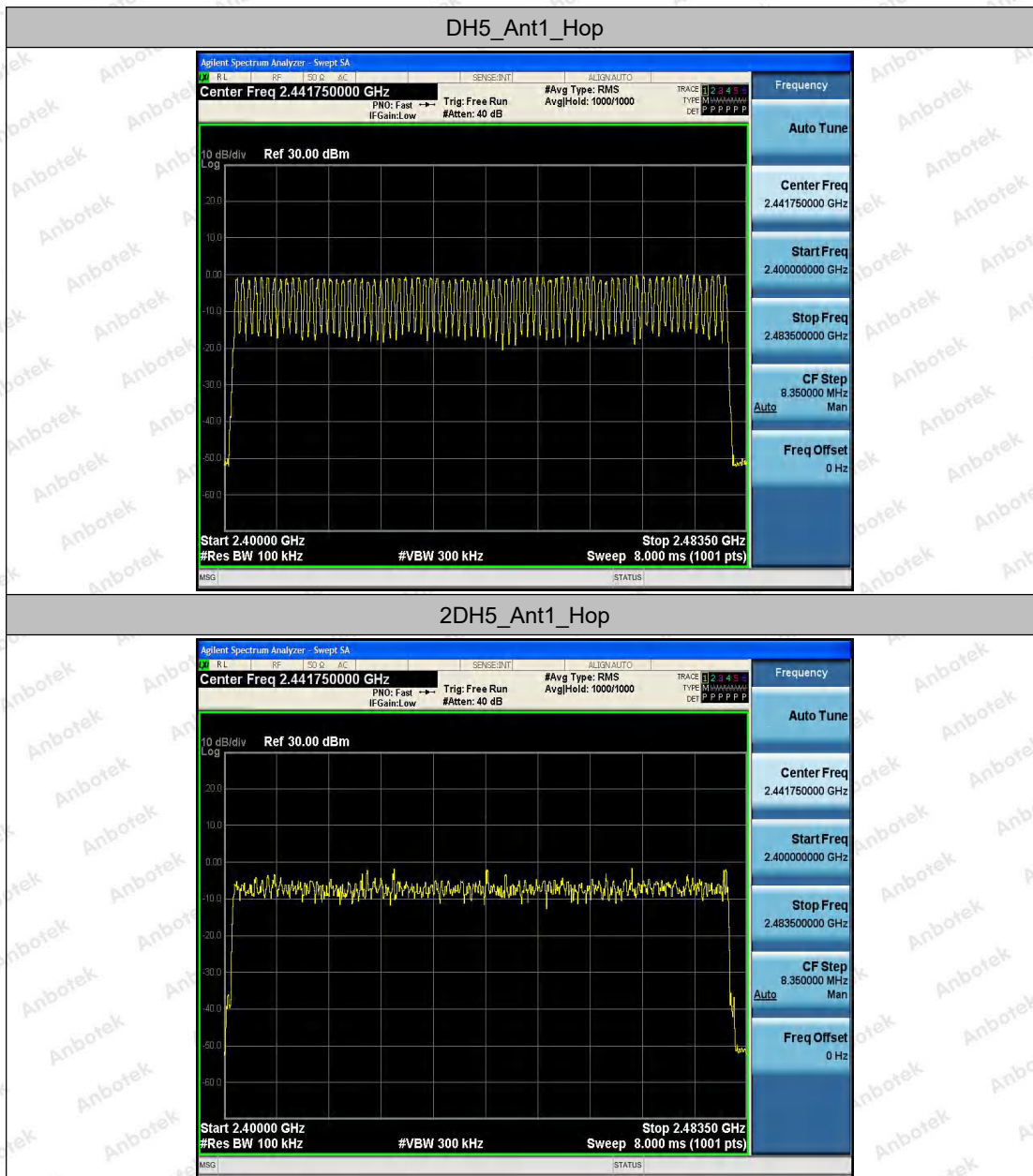
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Appendix F: Number of hopping channels

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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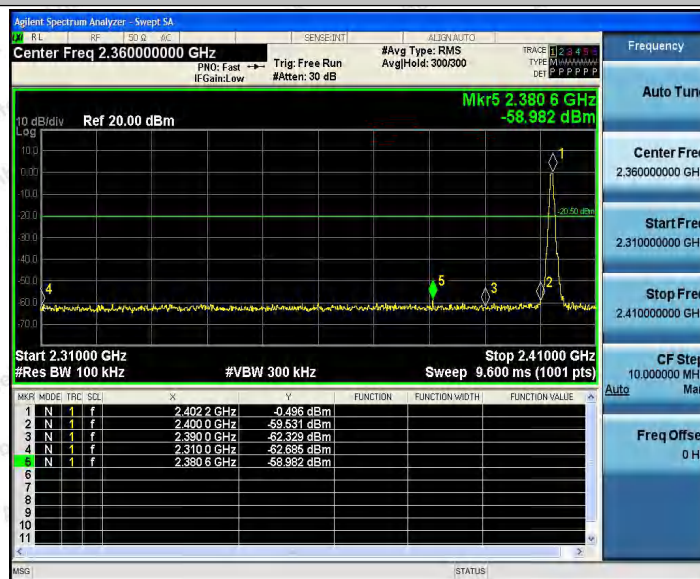
Appendix G: Band edge measurements

Test Result

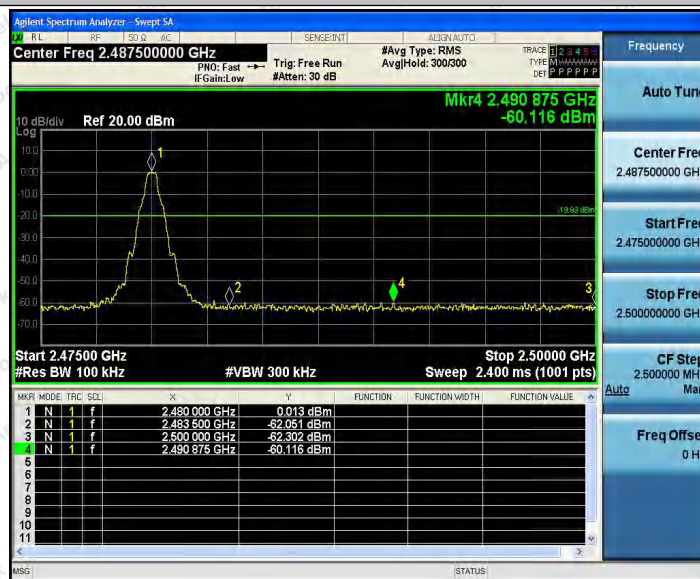
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.50	-58.98	≤ -20.5	PASS
		High	2480	0.01	-60.12	≤ -19.99	PASS
		Low	Hop	-0.80	-60.25	≤ -20.8	PASS
		High	Hop	-0.65	-62.23	≤ -20.65	PASS
2DH5	Ant1	Low	2402	-1.62	-57.3	≤ -21.62	PASS
		High	2480	-1.35	-59.04	≤ -21.35	PASS
		Low	Hop	-4.03	-60.09	≤ -24.03	PASS
		High	Hop	-4.56	-62.88	≤ -24.56	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



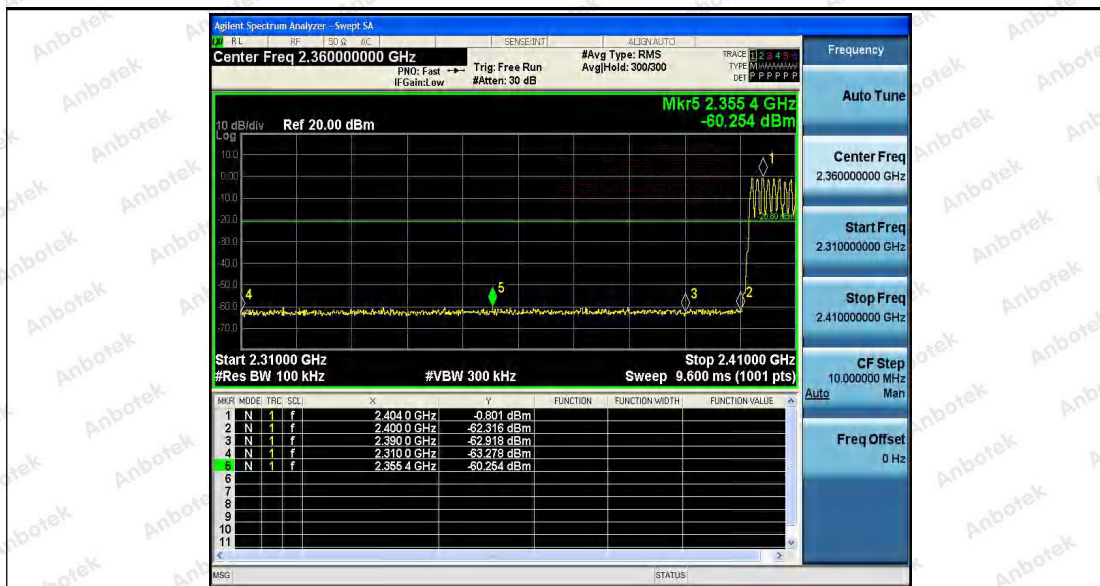
DH5_Ant1_Low_Hop

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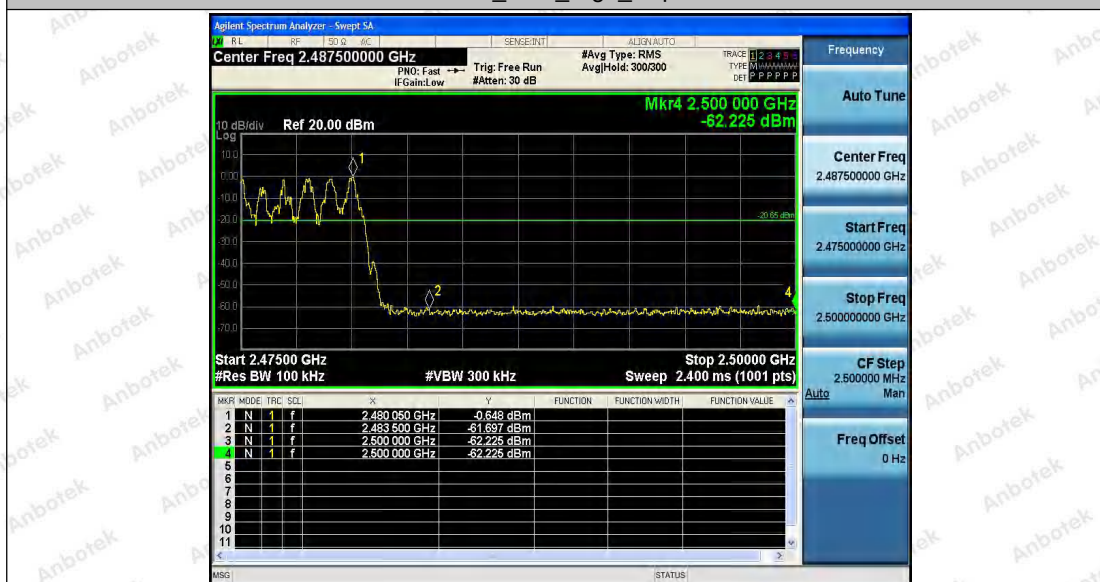
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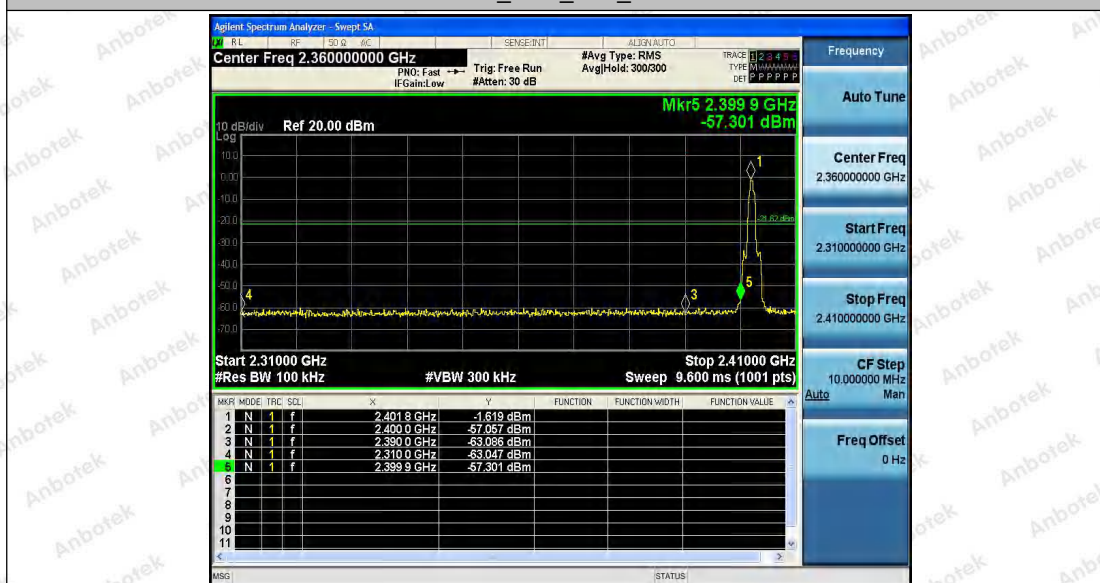
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DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



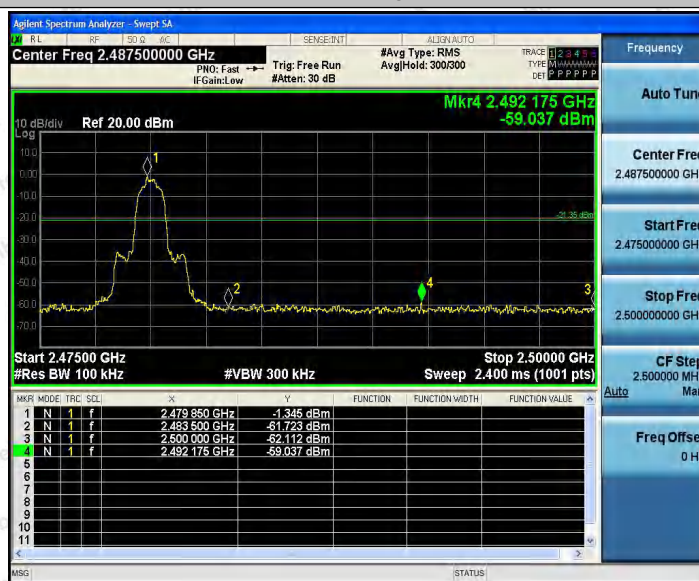
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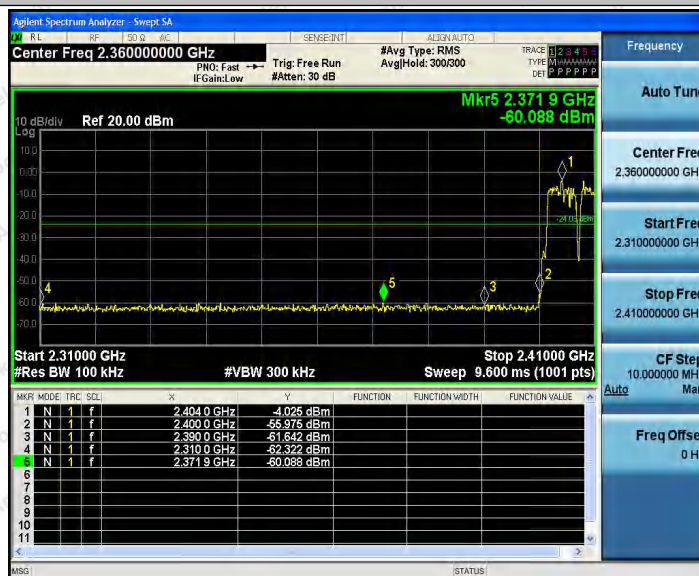
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



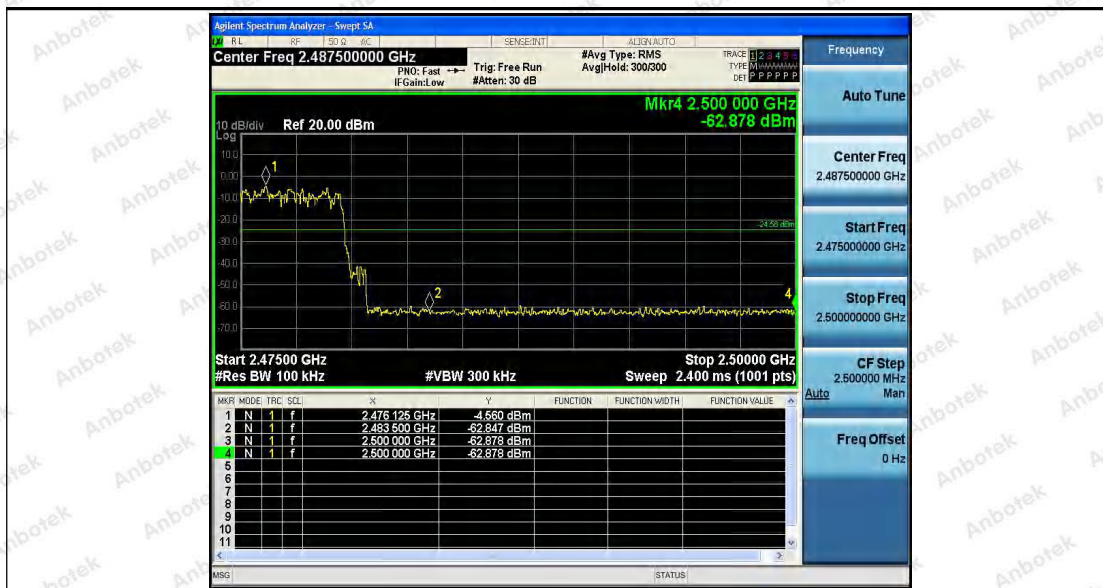
2DH5_Ant1_High_Hop

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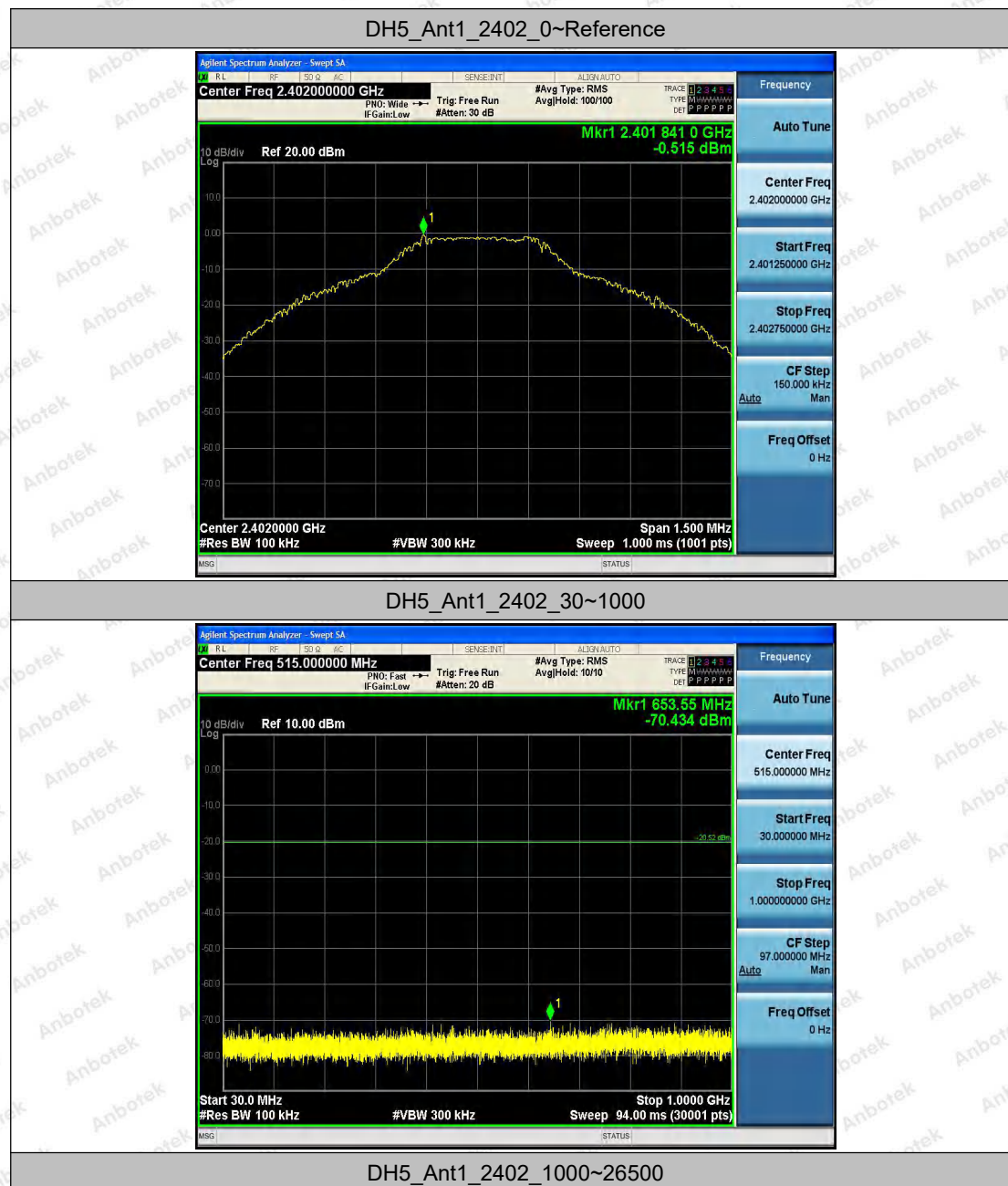
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.52	-0.52	---	PASS
			30~1000	-0.52	-70.43	≤-20.52	PASS
			1000~26500	-0.52	-56.37	≤-20.52	PASS
		2441	Reference	-0.62	-0.62	---	PASS
			30~1000	-0.62	-69.76	≤-20.62	PASS
			1000~26500	-0.62	-55.46	≤-20.62	PASS
		2480	Reference	0.09	0.09	---	PASS
			30~1000	0.09	-70.38	≤-19.91	PASS
			1000~26500	0.09	-55.48	≤-19.91	PASS
2DH5	Ant1	2402	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-70.33	≤-21.79	PASS
			1000~26500	-1.79	-55.24	≤-21.79	PASS
		2441	Reference	-2.51	-2.51	---	PASS
			30~1000	-2.51	-70.23	≤-22.51	PASS
			1000~26500	-2.51	-55.94	≤-22.51	PASS
		2480	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-70.17	≤-21.03	PASS
			1000~26500	-1.03	-55.5	≤-21.03	PASS

Test Graphs

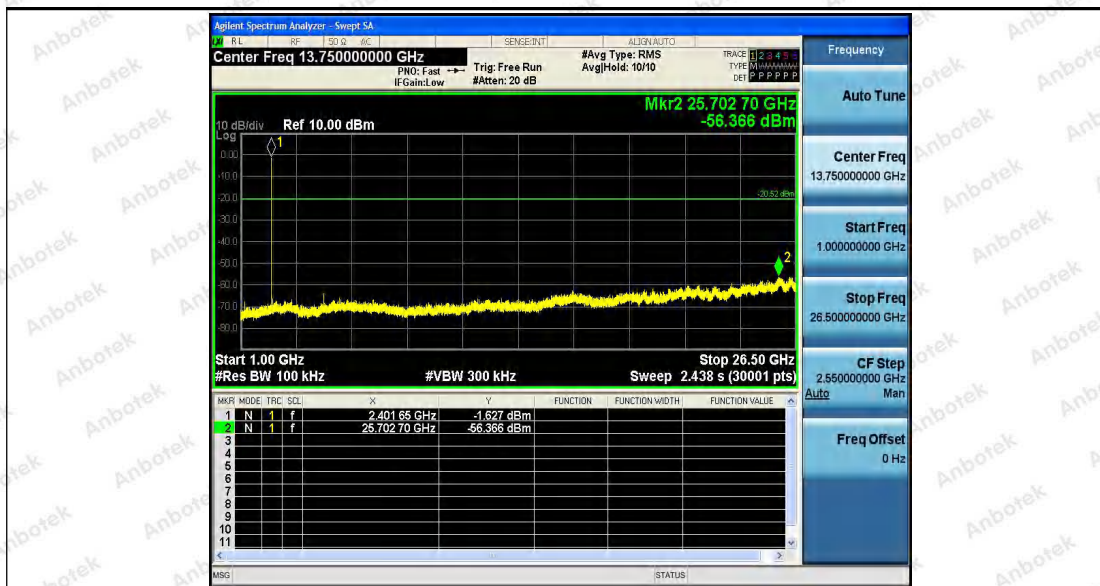


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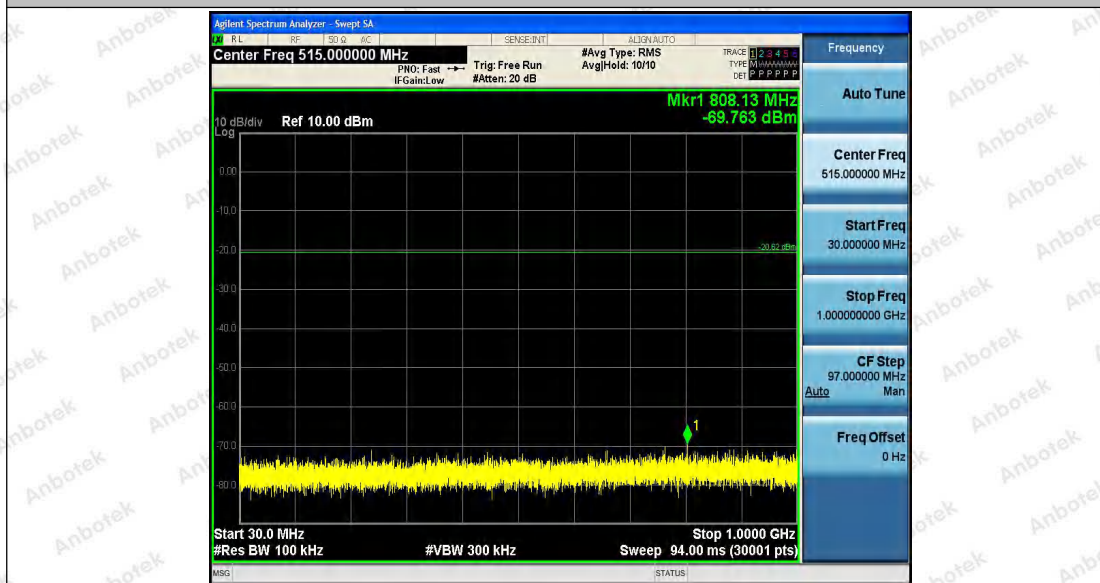
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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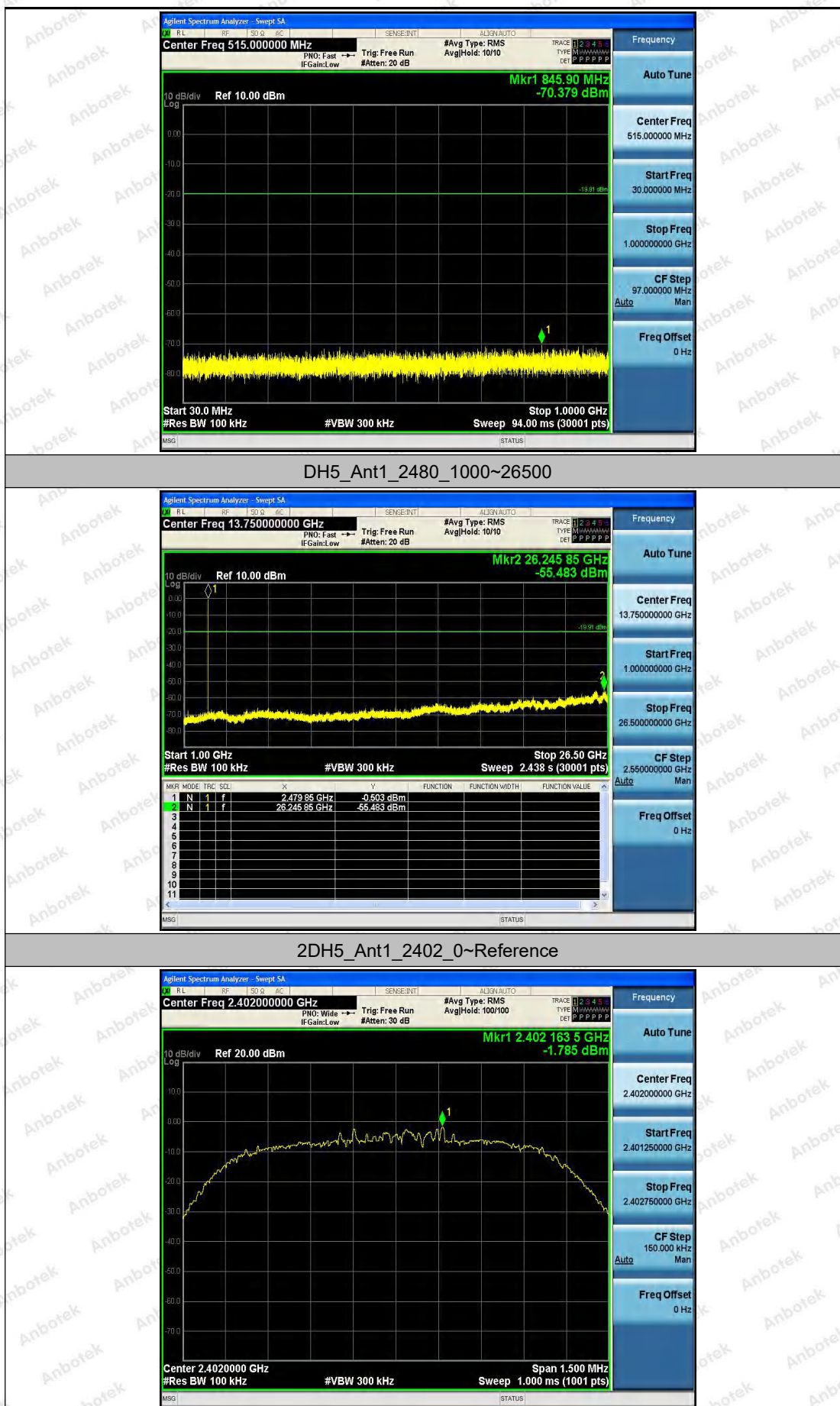


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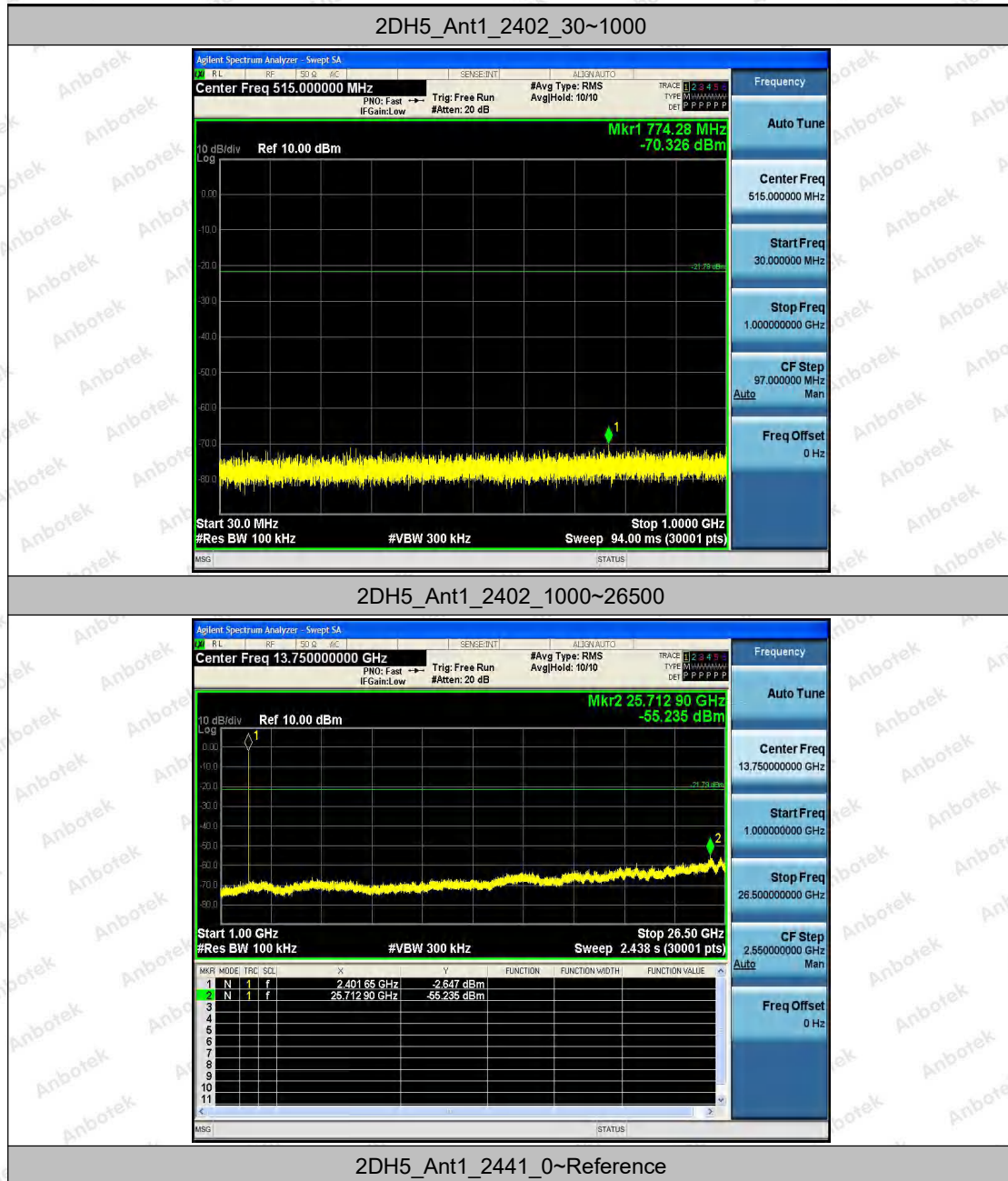


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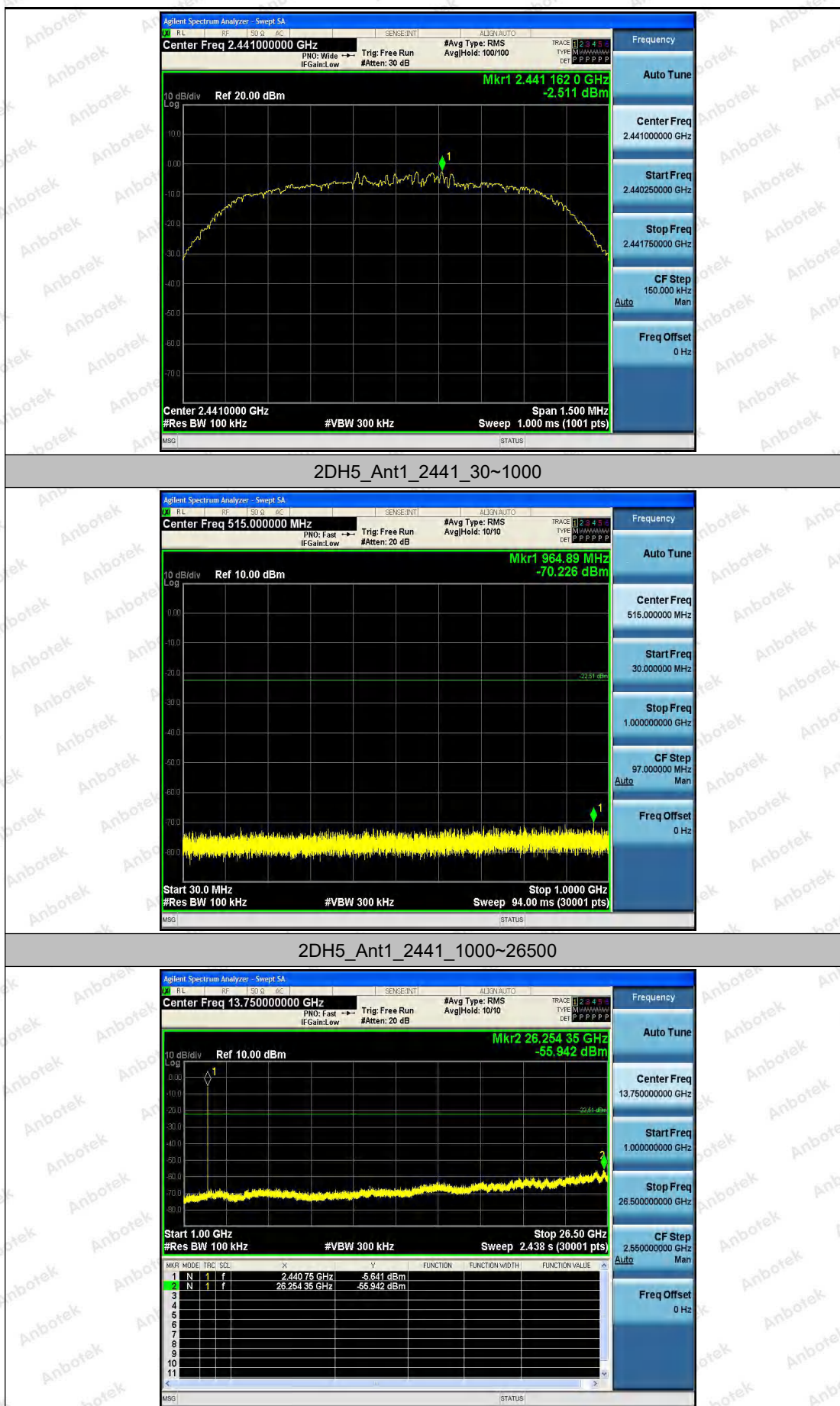


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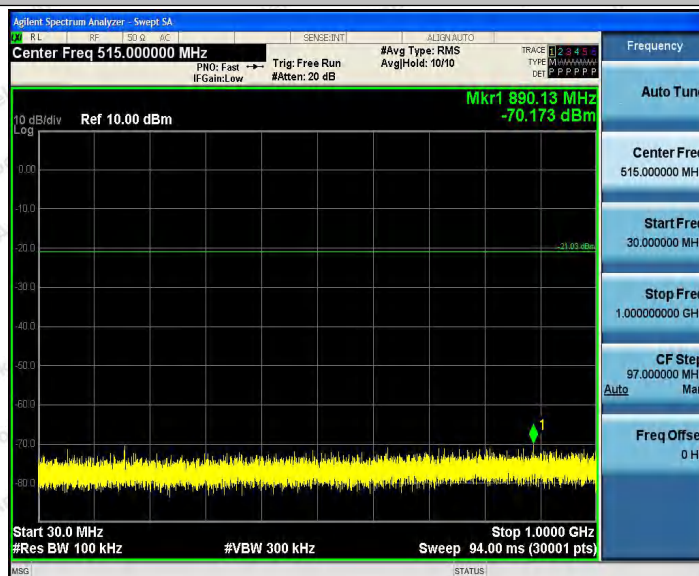
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



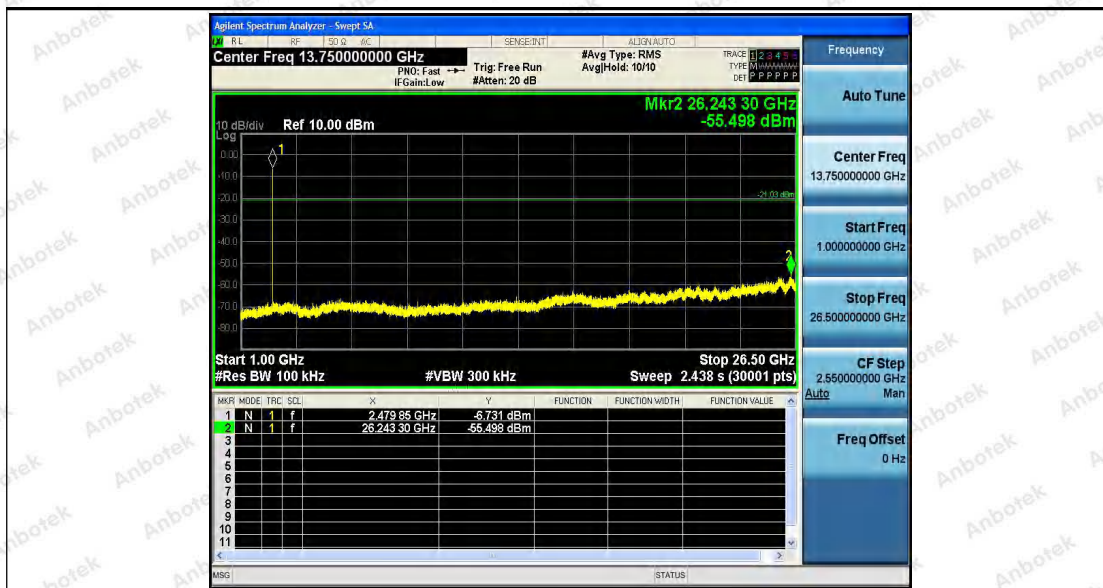
2DH5_Ant1_2480_1000~26500

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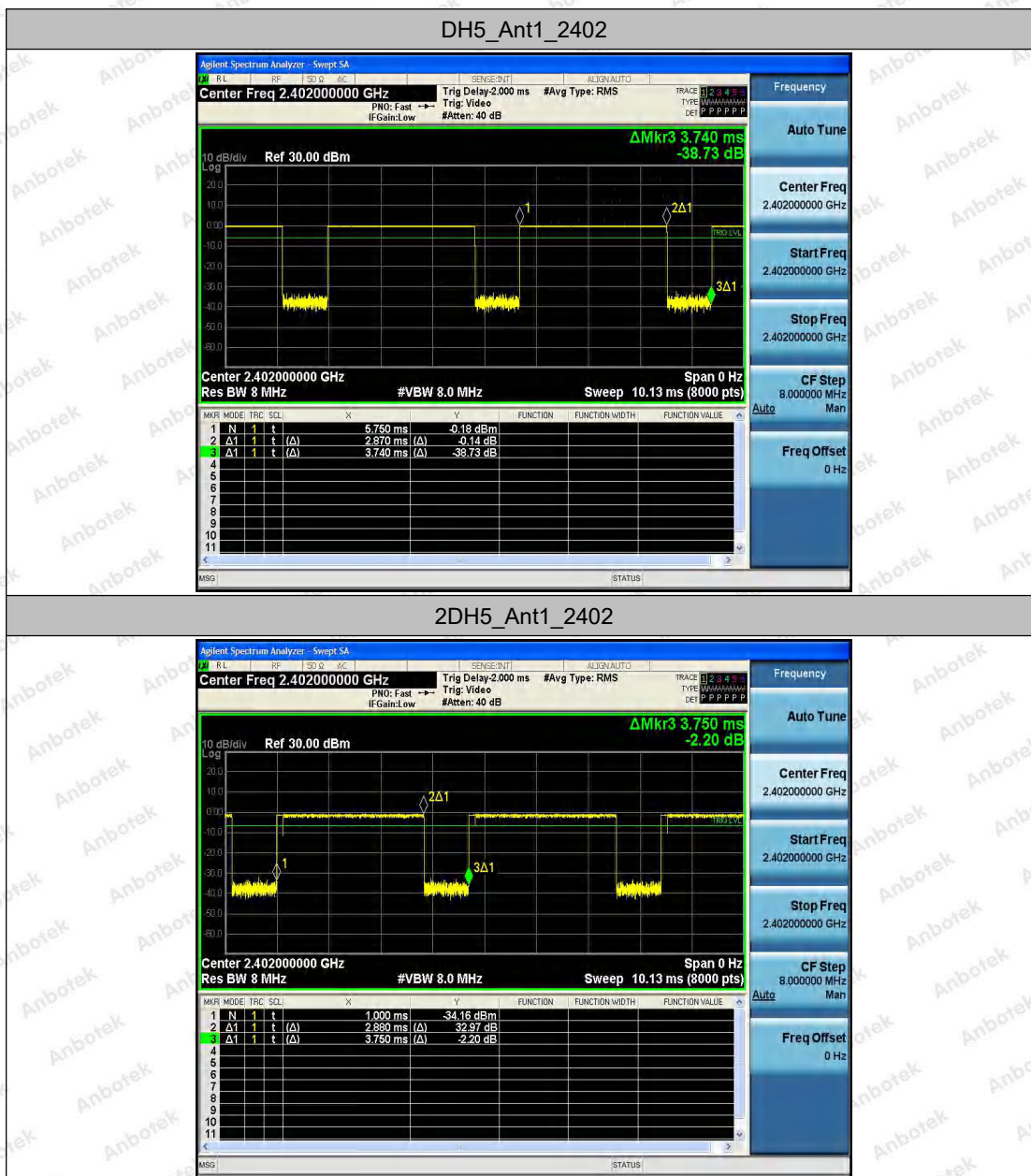
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Appendix I: Duty Cycle

Test Result

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

Test Graphs



---End---