

Appendix Test Data

Report No.:	18220WC20118001	Test Sample No.:	1-2-2
Start Test Date:	2022.6.1	Finish Test Date:	2022.6.20
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.3 %
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	0.891	2401.535	2402.426	---	PASS
		2441	0.888	2440.538	2441.426	---	PASS
		2480	0.894	2479.535	2480.429	---	PASS
2DH5	Ant1	2402	1.290	2401.334	2402.624	---	PASS
		2441	1.320	2440.331	2441.651	---	PASS
		2480	1.287	2479.334	2480.621	---	PASS

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441

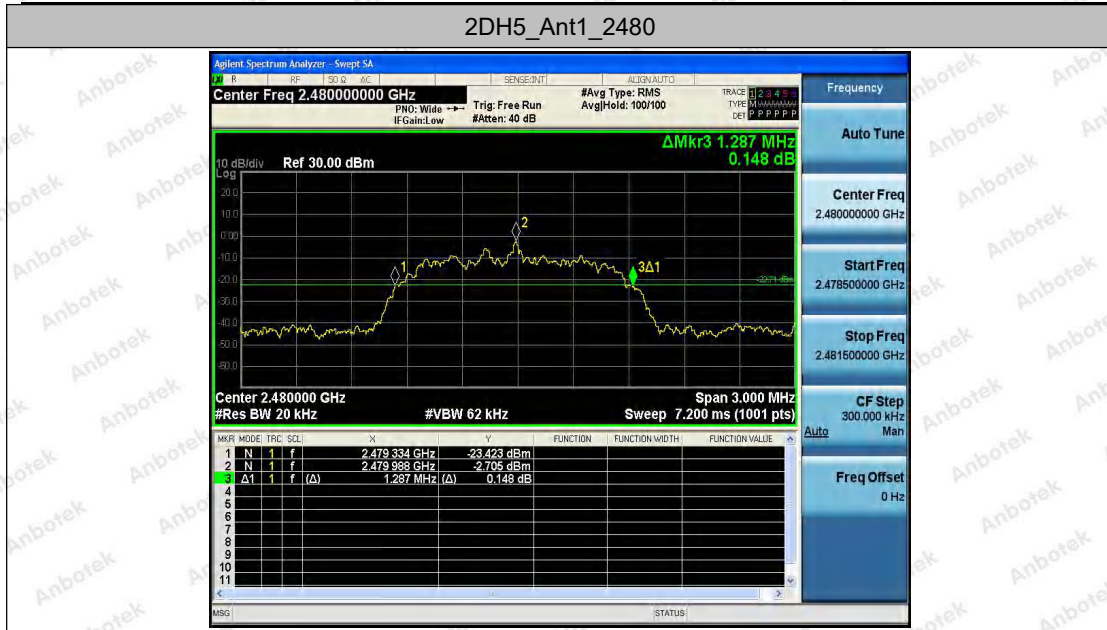


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84729	2401.56 3	2402.411	---	PASS
		2441	0.85175	2440.55 9	2441.411	---	PASS
		2480	0.84607	2479.56 2	2480.408	---	PASS
2DH5	Ant1	2402	1.1995	2401.39 0	2402.589	---	PASS
		2441	1.1957	2440.39 0	2441.586	---	PASS
		2480	1.1971	2479.39 2	2480.589	---	PASS

Test Graphs





2DH5_Ant1_2402



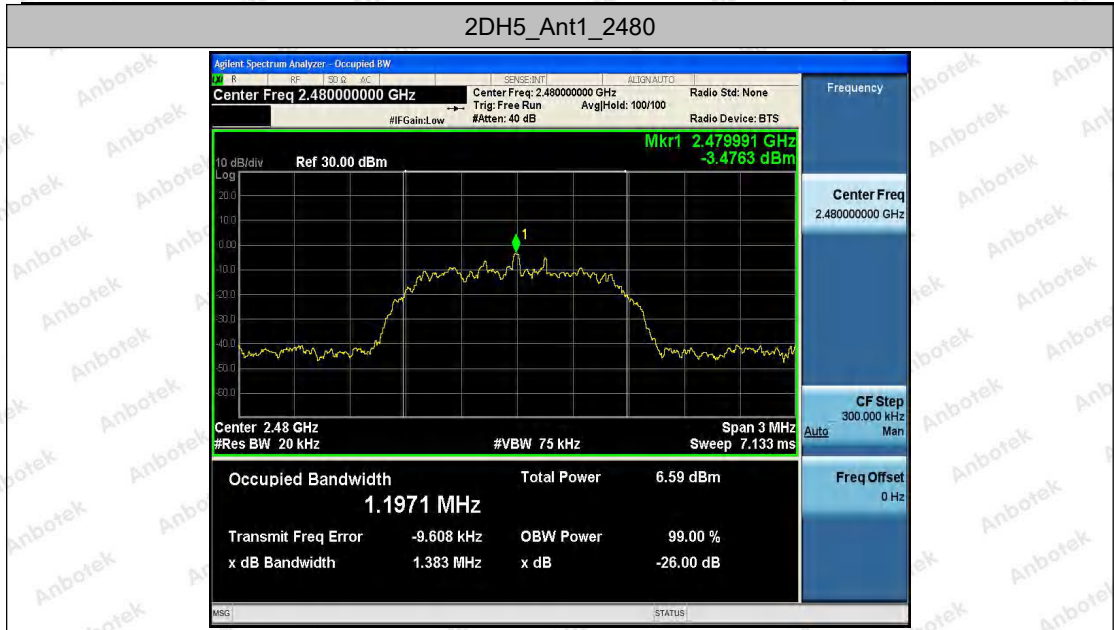
2DH5_Ant1_2441



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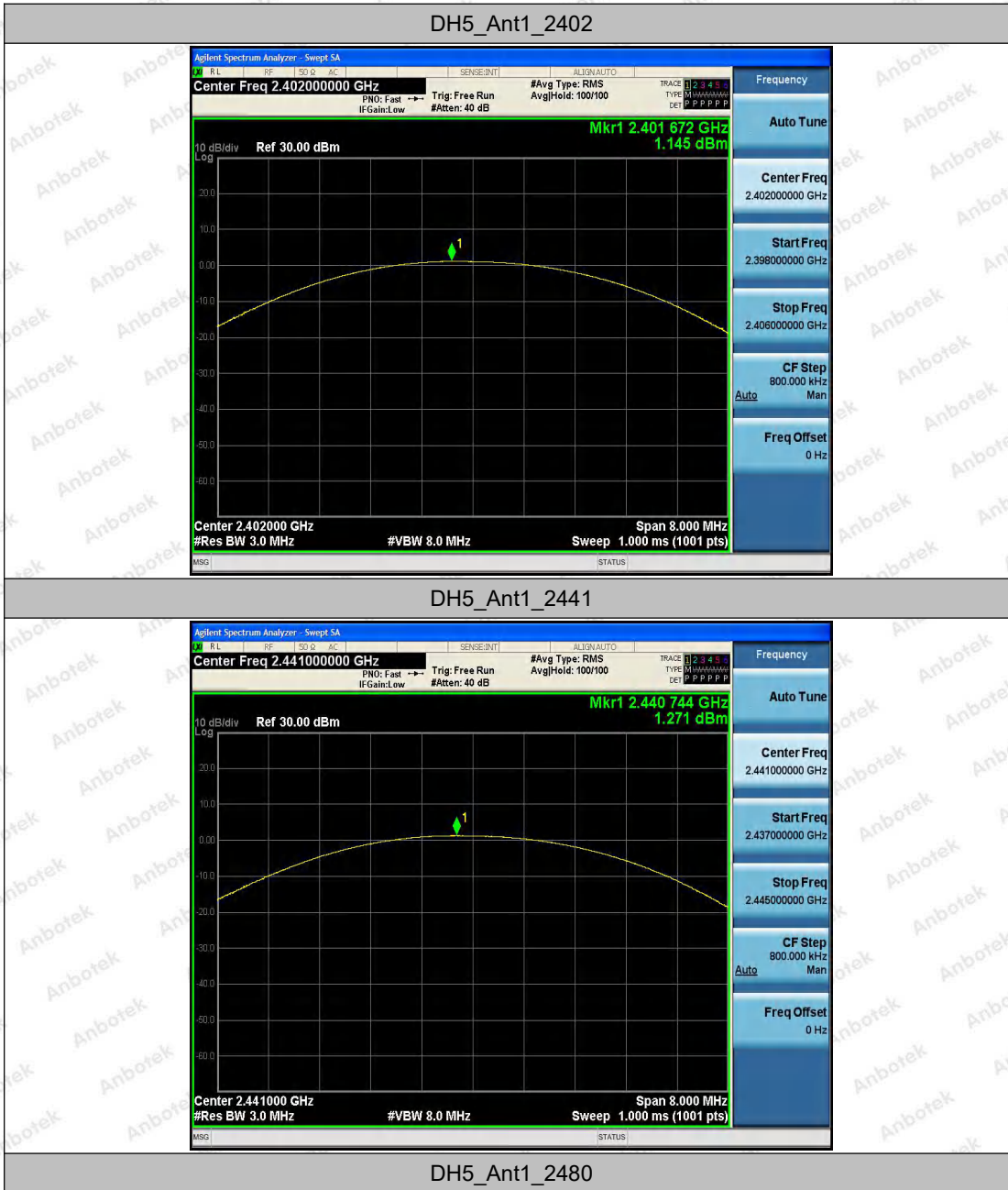
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.15	≤20.97	PASS
		2441	1.27	≤20.97	PASS
		2480	0.8	≤20.97	PASS
2DH5	Ant1	2402	1.88	≤20.97	PASS
		2441	1.98	≤20.97	PASS
		2480	1.51	≤20.97	PASS

Test Graphs



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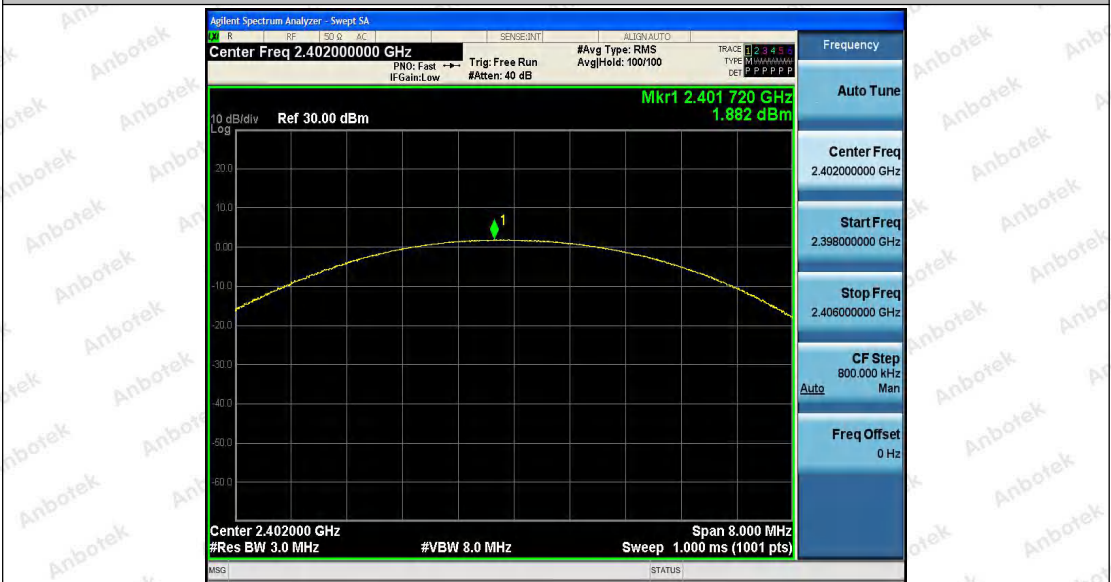
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2DH5_Ant1_2402



2DH5_Ant1_2441

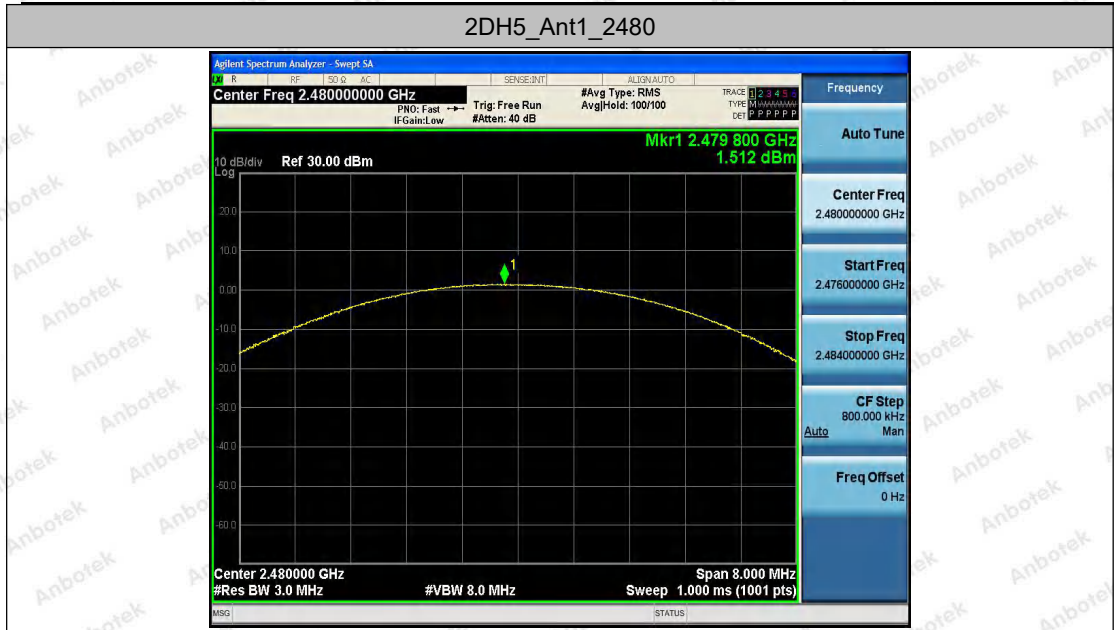


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.022	≥0.894	PASS
2DH5	Ant1	Hop	1.158	≥0.880	PASS

Test Graphs



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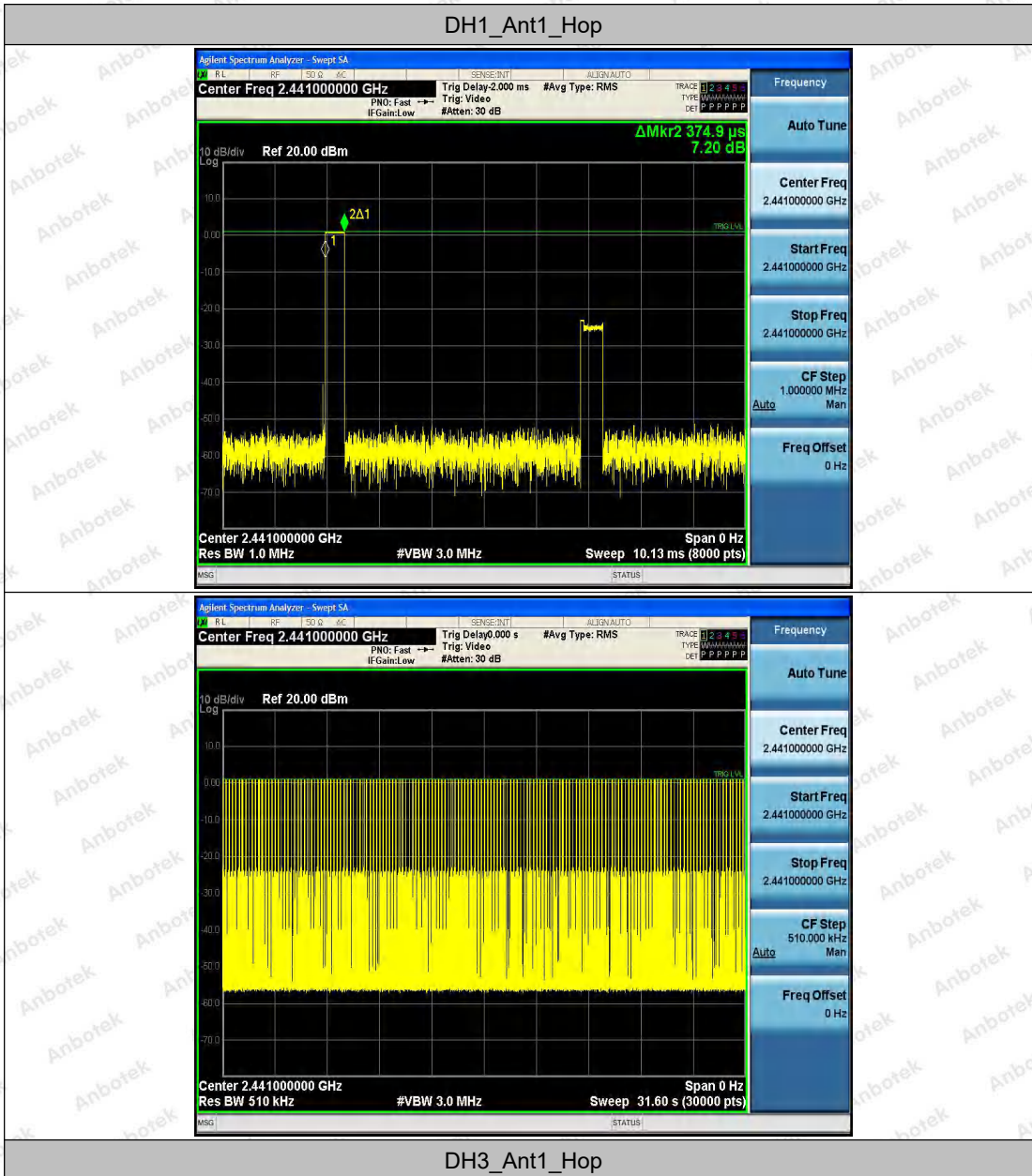
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	319	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.63	161	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.88	108	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.38	317	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.64	165	0.27	≤0.4	PASS
2DH5	Ant1	Hop	2.89	104	0.3	≤0.4	PASS

Test Graphs

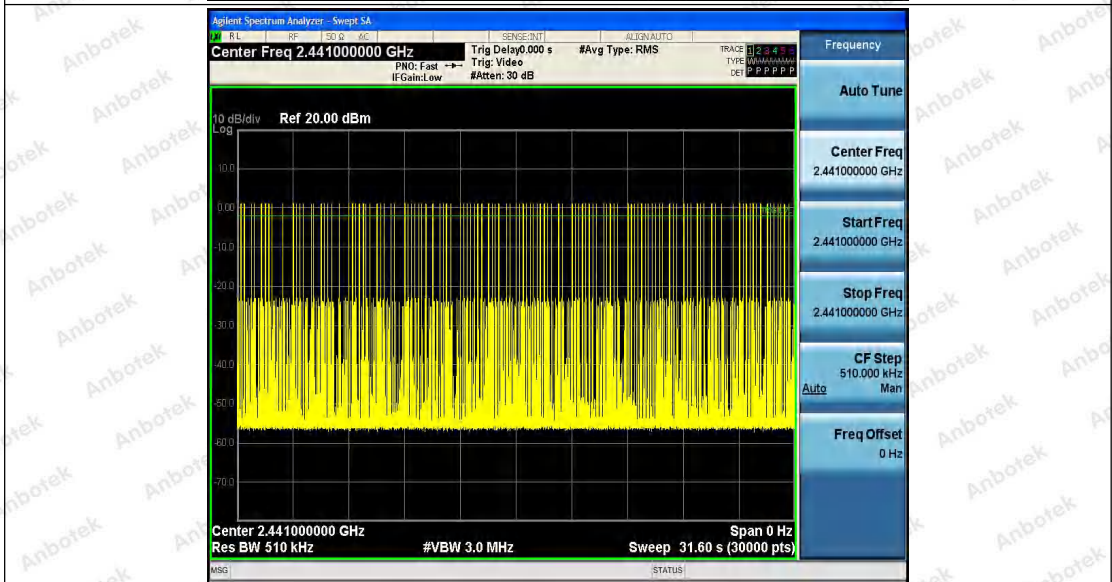
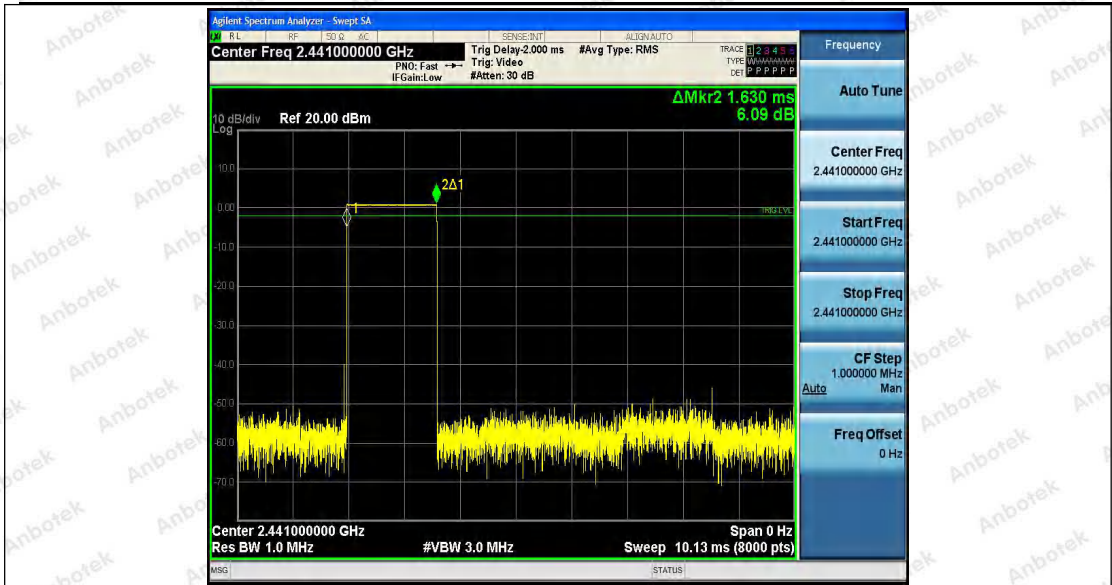


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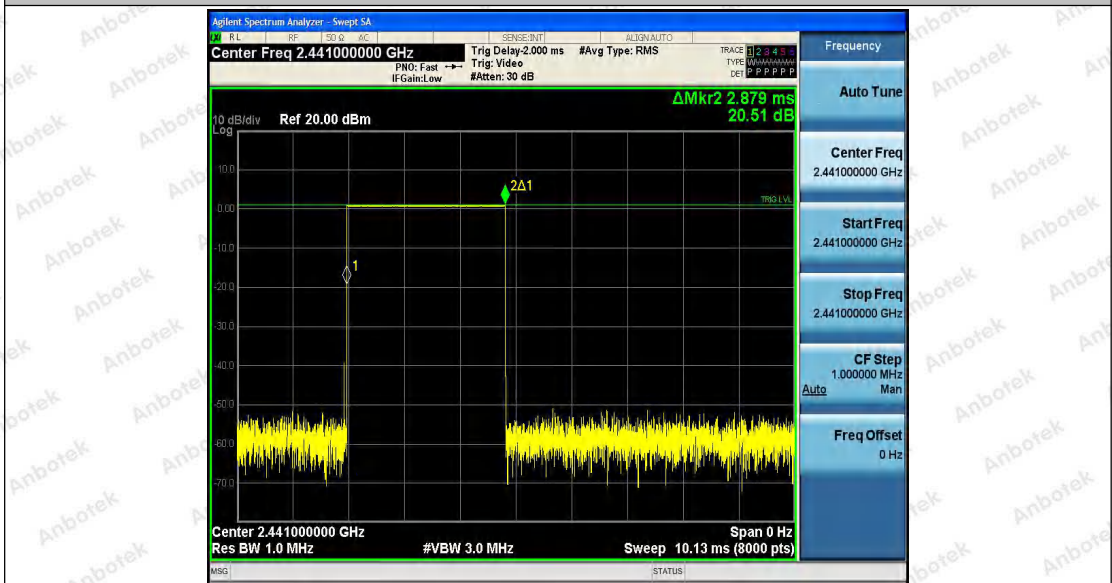
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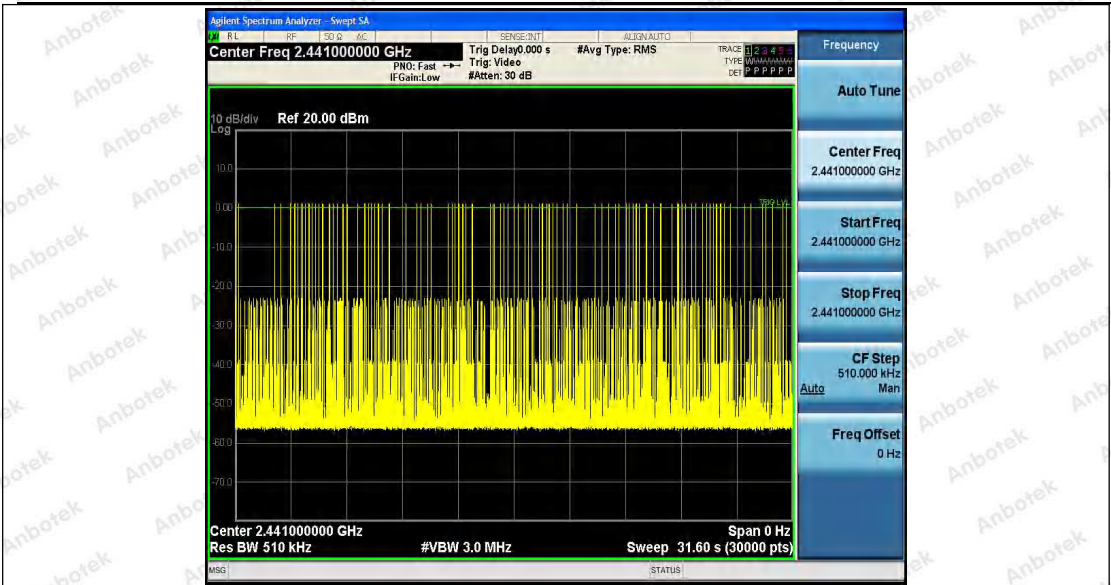
DH5_Ant1_Hop



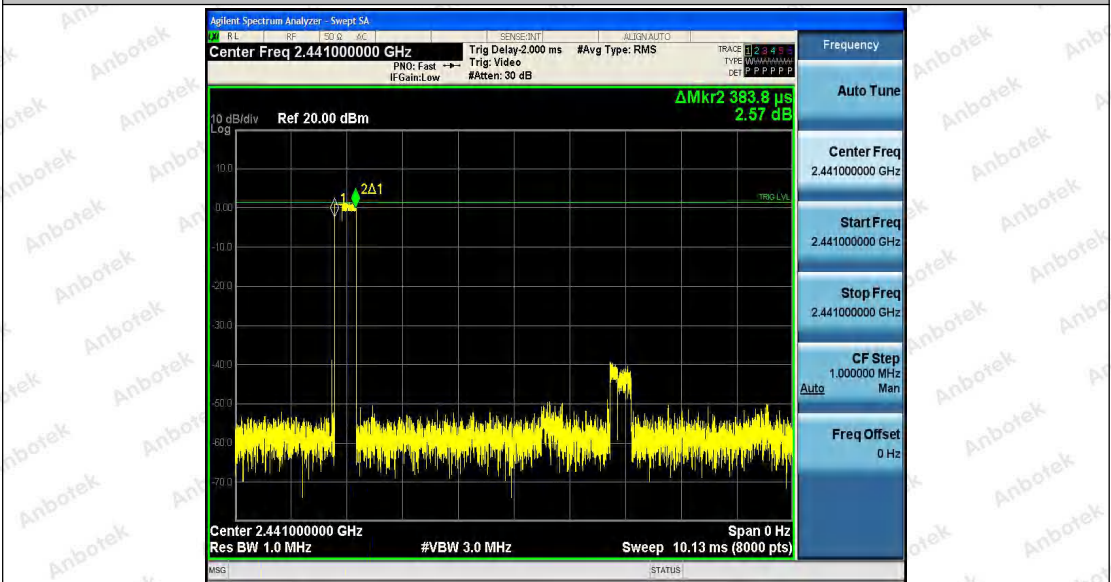
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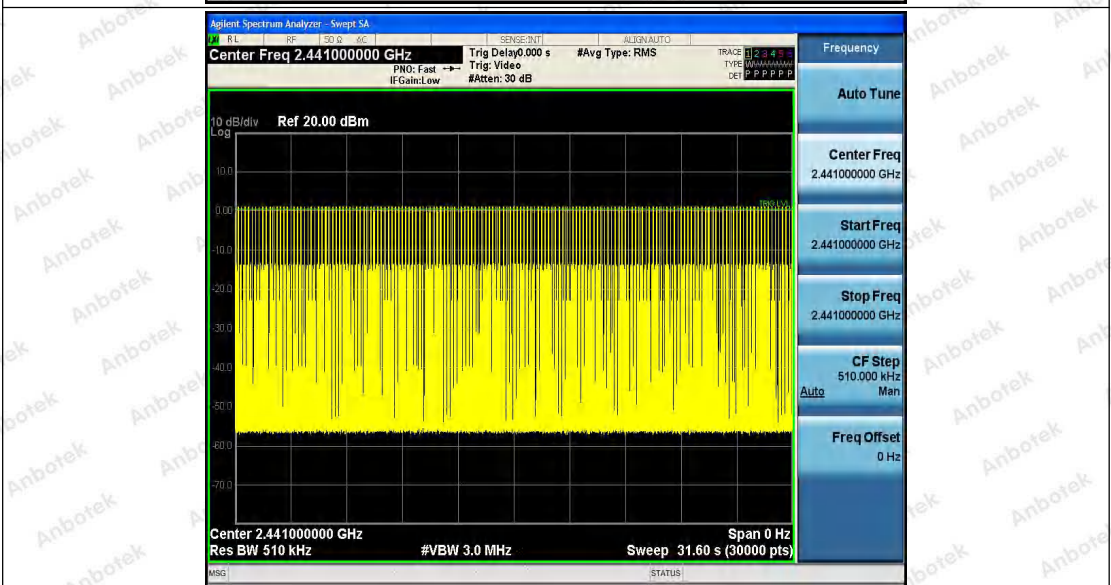
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2DH1_Ant1_Hop



2DH3_Ant1_Hop



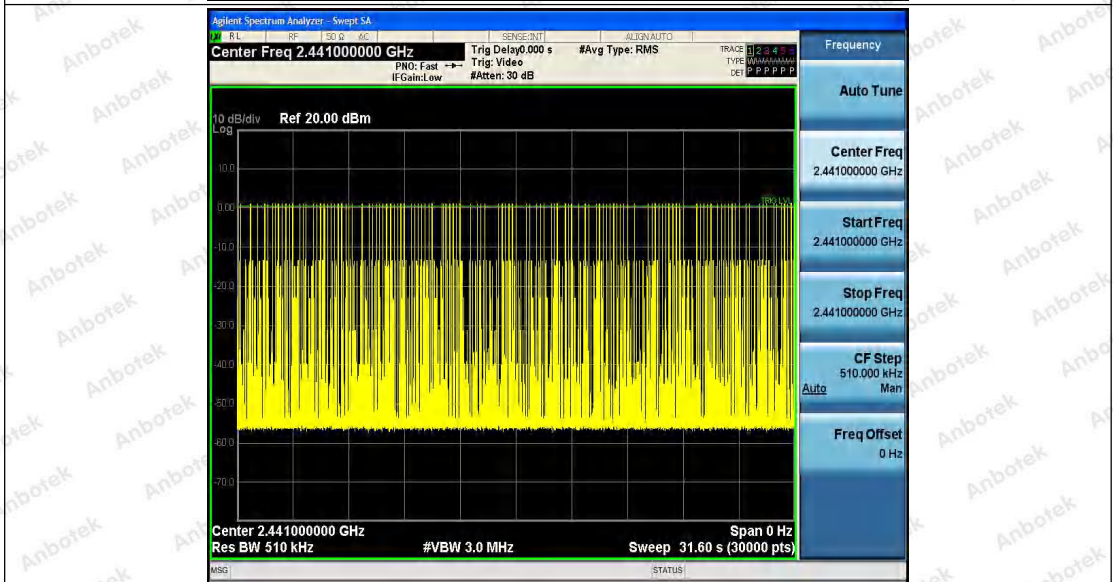
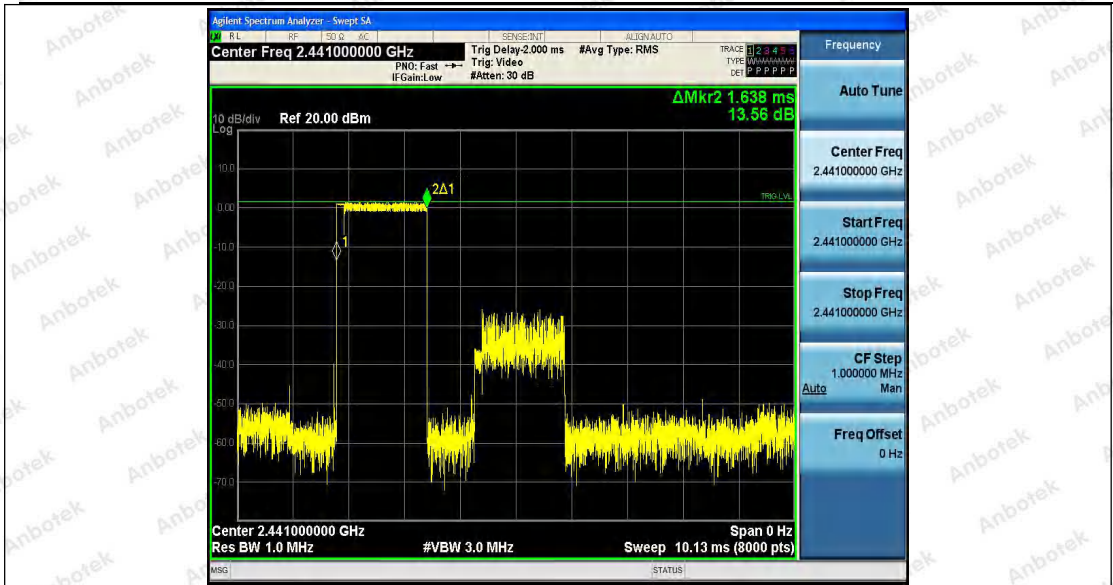
2DH3_Ant1_Hop

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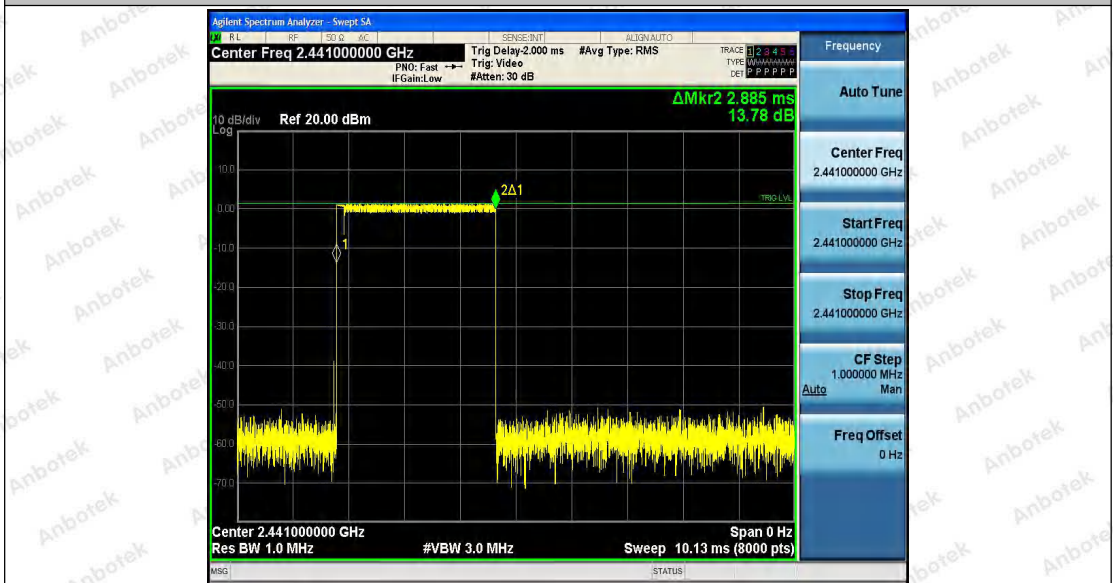
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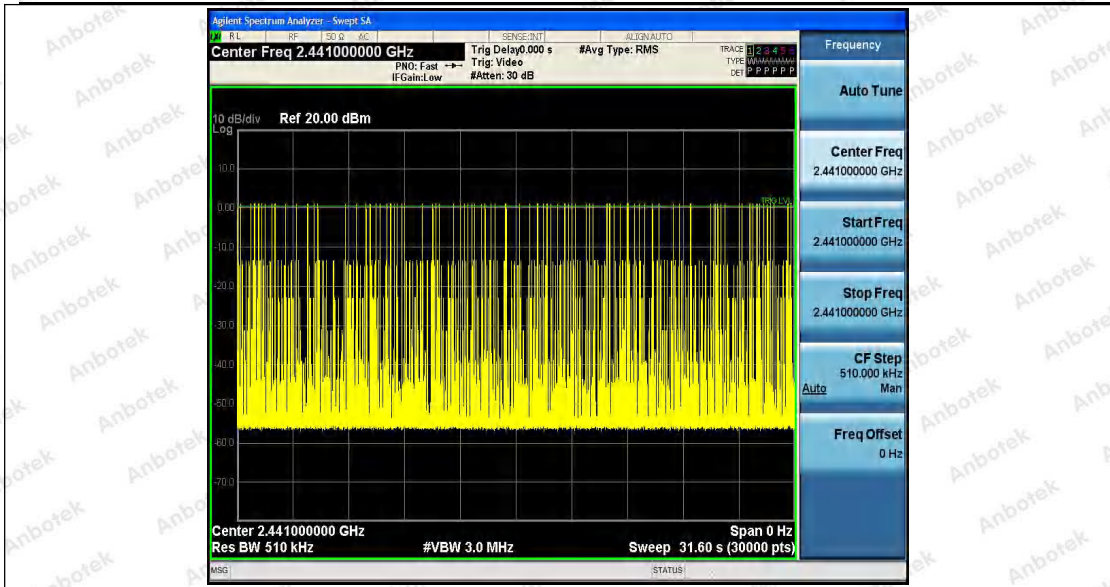
2DH5_Ant1_Hop



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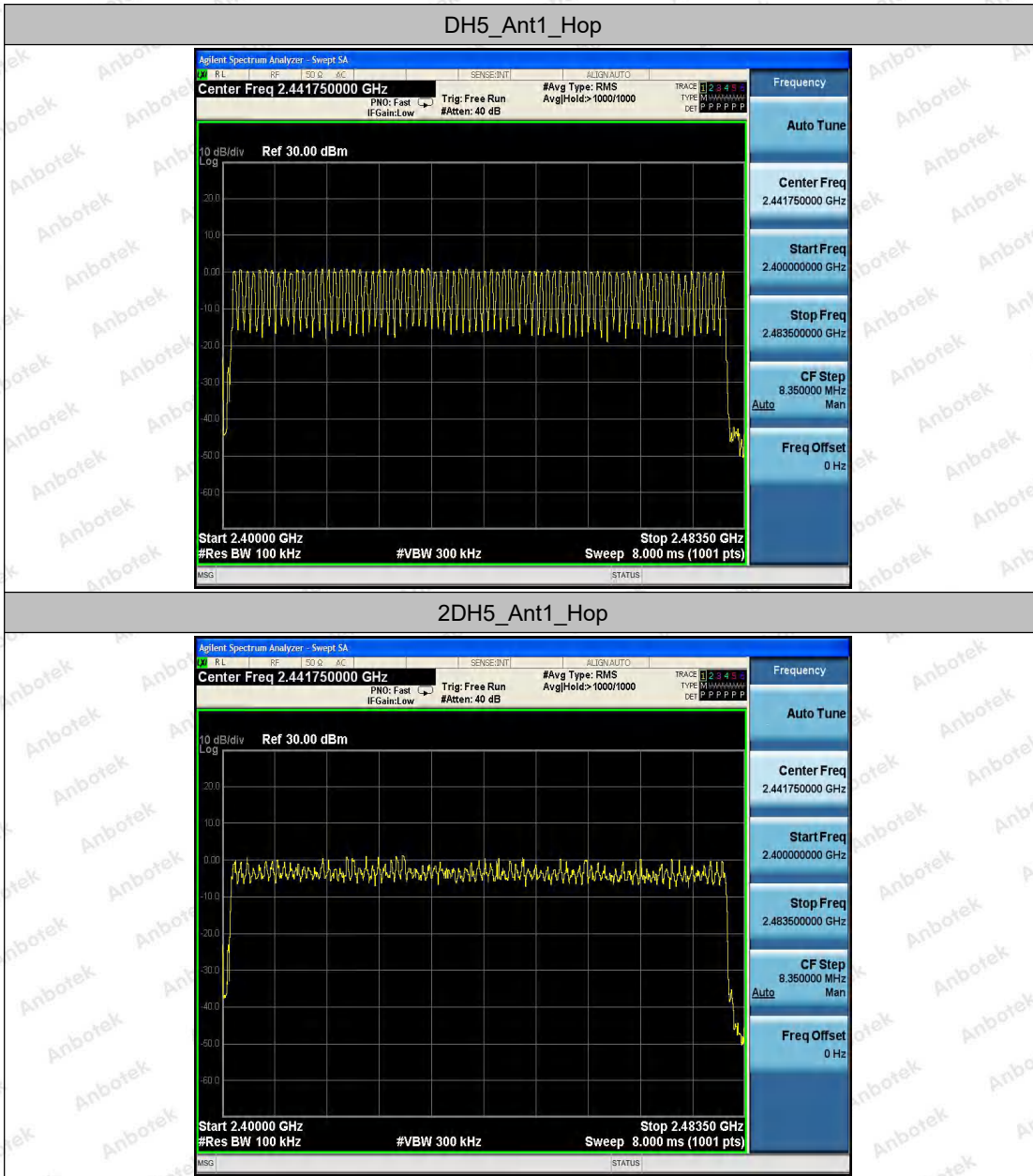
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Appendix F: Number of hopping channels

Test Result

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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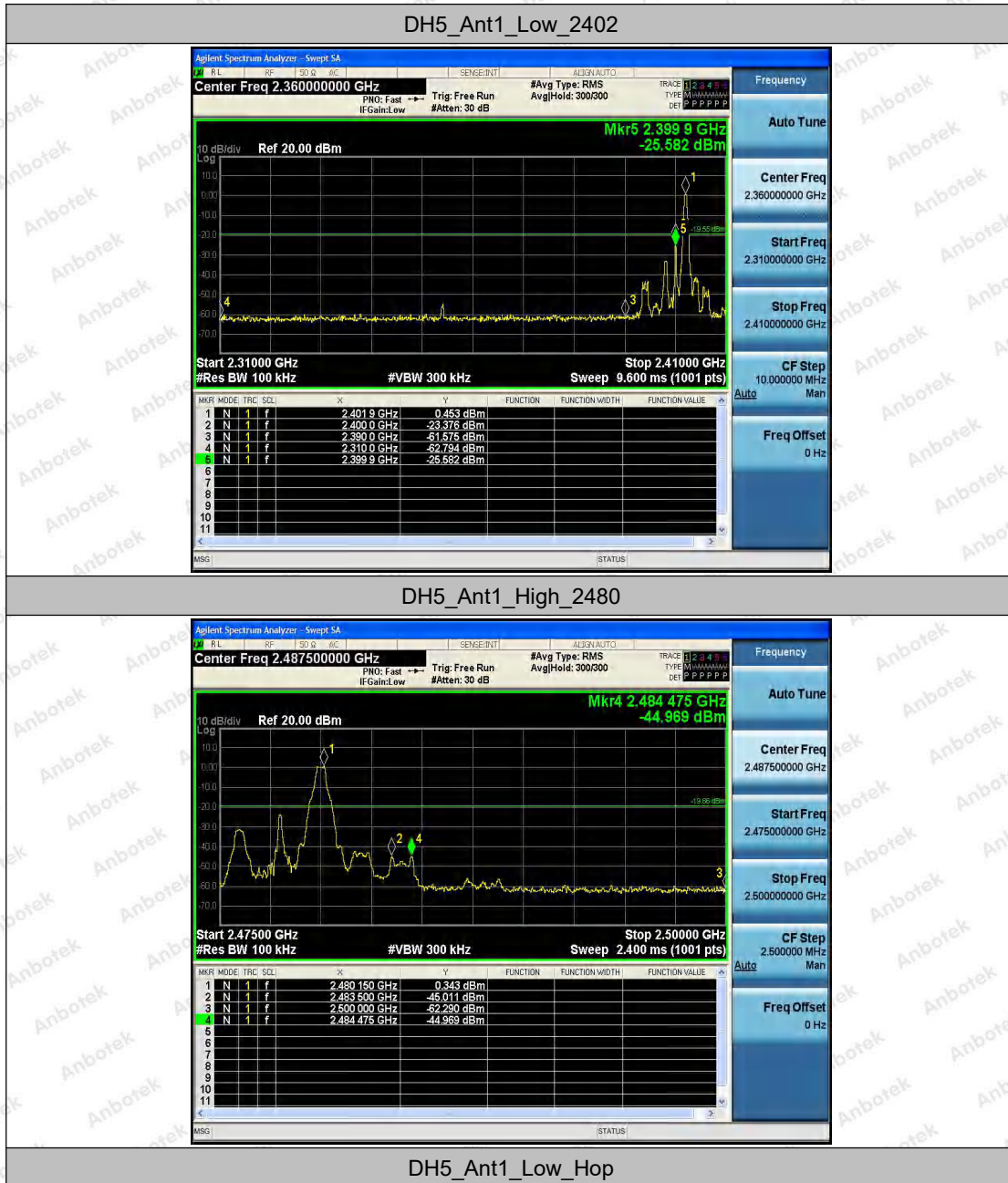
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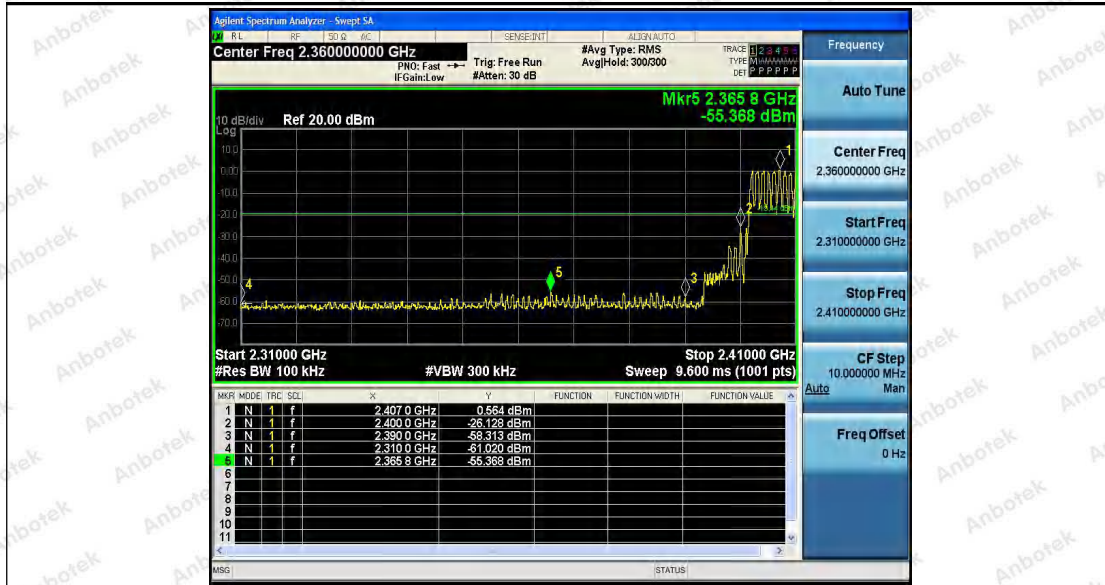
Appendix G: Band edge measurements

Test Result

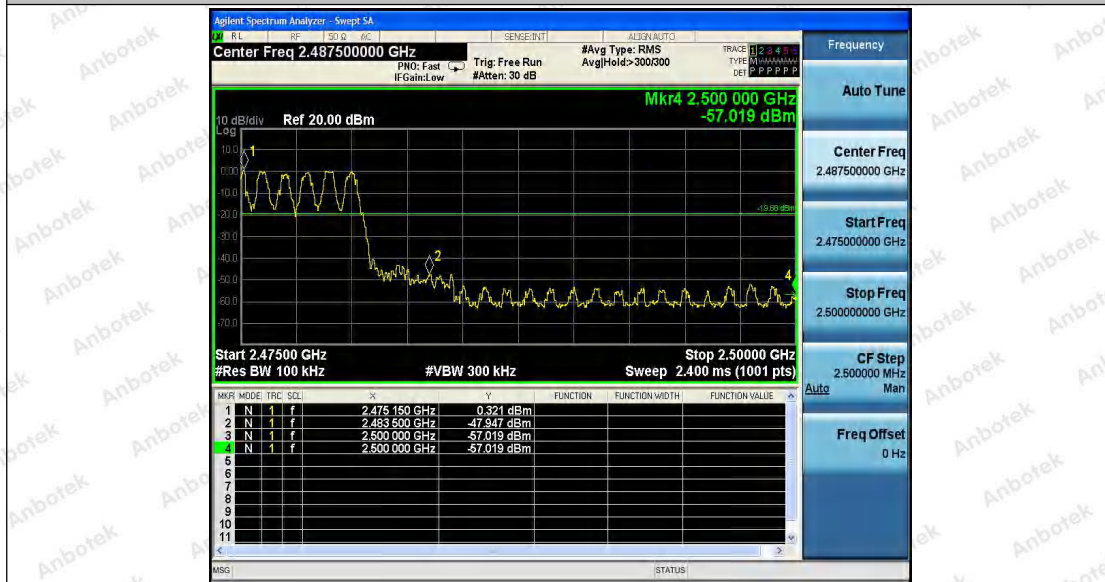
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.45	-25.58	≤-19.55	PASS
		High	2480	0.34	-44.97	≤-19.66	PASS
		Low	Hop	0.56	-55.37	≤-19.44	PASS
		High	Hop	0.32	-57.02	≤-19.68	PASS
2DH5	Ant1	Low	2402	0.98	-25.79	≤-19.02	PASS
		High	2480	0.31	-44.34	≤-19.69	PASS
		Low	Hop	-0.48	-58.29	≤-20.48	PASS
		High	Hop	-0.47	-60.66	≤-20.47	PASS

Test Graphs





DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



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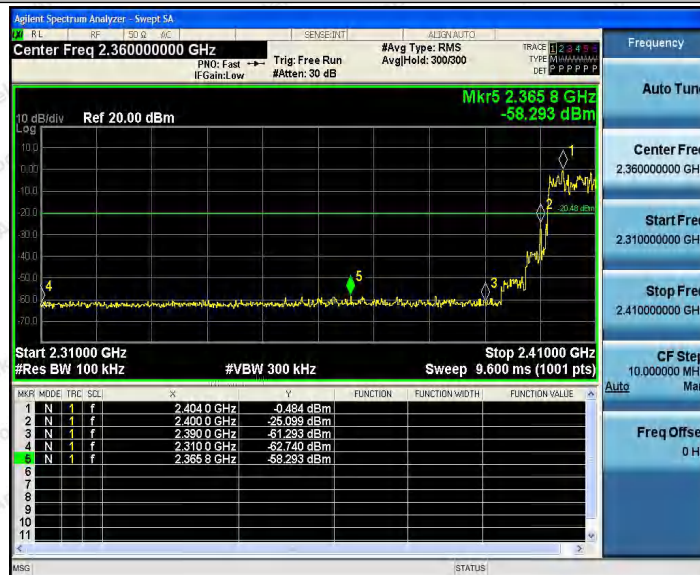
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



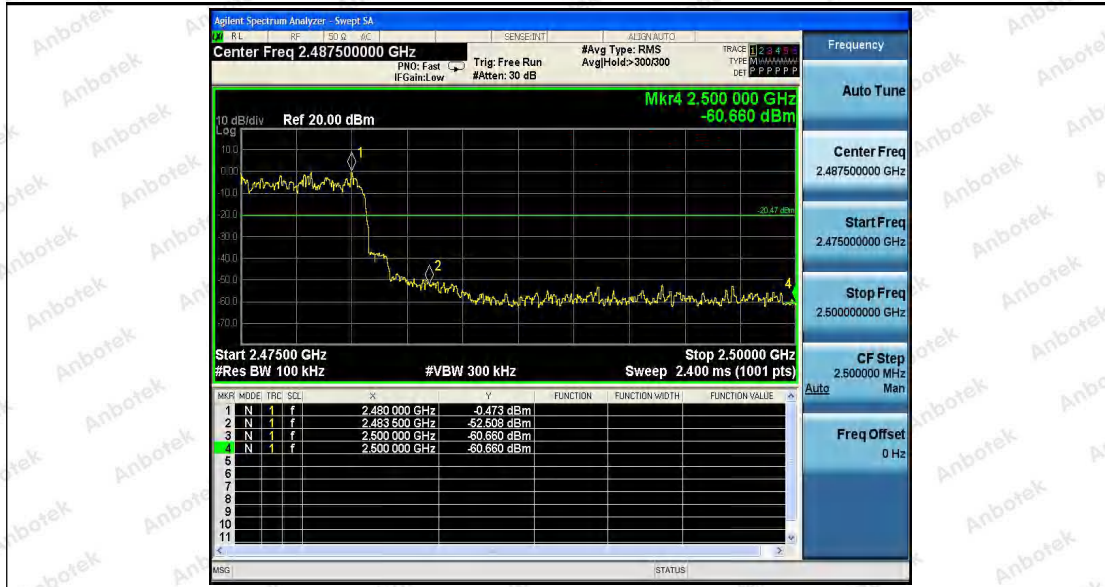
2DH5_Ant1_High_Hop

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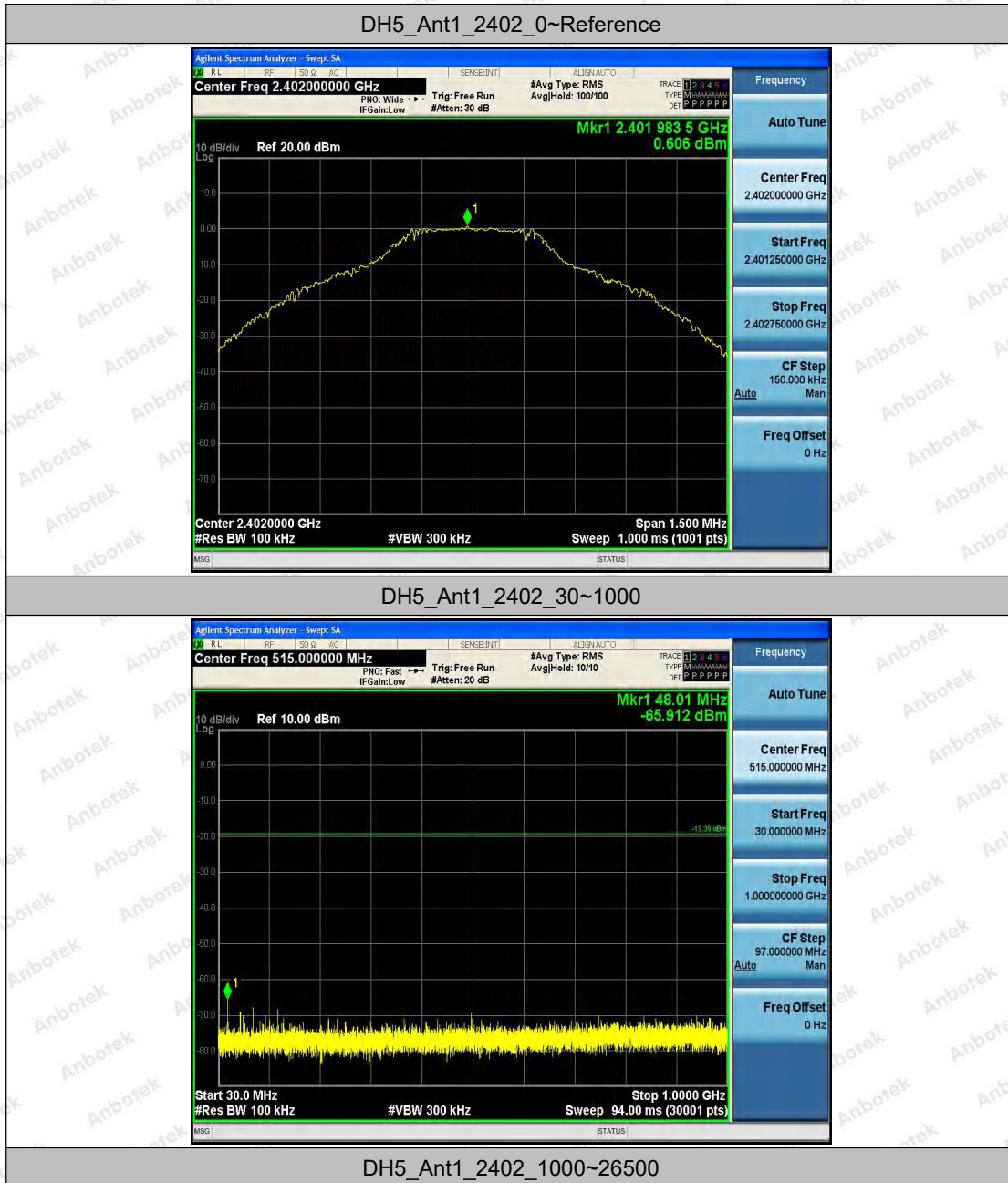
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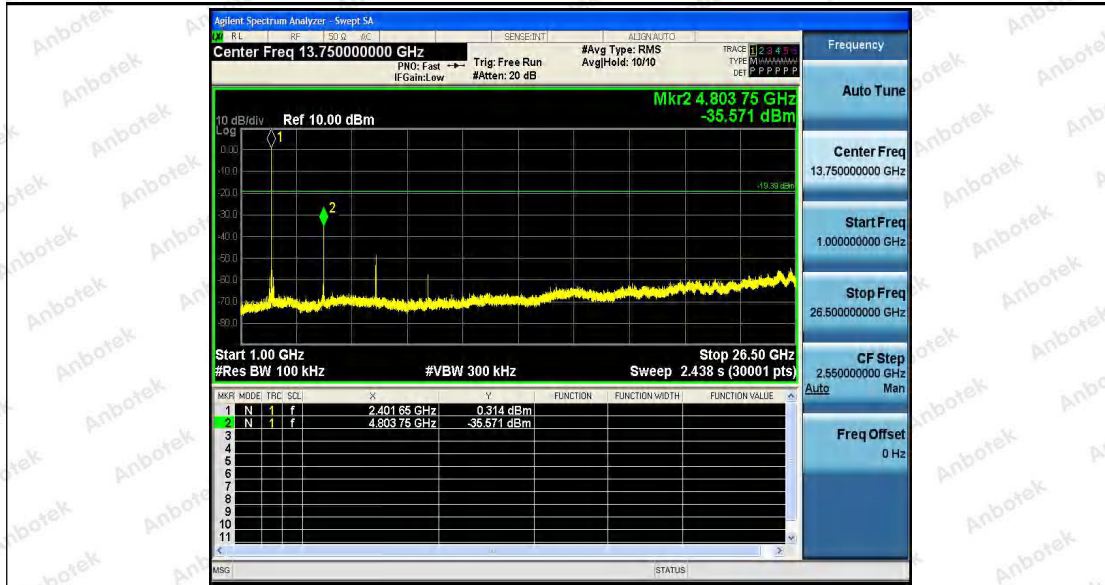
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-65.91	≤-19.39	PASS
			1000~26500	0.61	-35.57	≤-19.39	PASS
		2441	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-62.42	≤-19.66	PASS
			1000~26500	0.34	-36.31	≤-19.66	PASS
		2480	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-63.22	≤-19.81	PASS
			1000~26500	0.19	-37.54	≤-19.81	PASS
2DH5	Ant1	2402	Reference	0.59	0.59	---	PASS
			30~1000	0.59	-62.61	≤-19.41	PASS
			1000~26500	0.59	-34.13	≤-19.41	PASS
		2441	Reference	0.82	0.82	---	PASS
			30~1000	0.82	-63.35	≤-19.18	PASS
			1000~26500	0.82	-39.53	≤-19.18	PASS
		2480	Reference	0.54	0.54	---	PASS
			30~1000	0.54	-63.38	≤-19.46	PASS
			1000~26500	0.54	-40.39	≤-19.46	PASS

Test Graphs

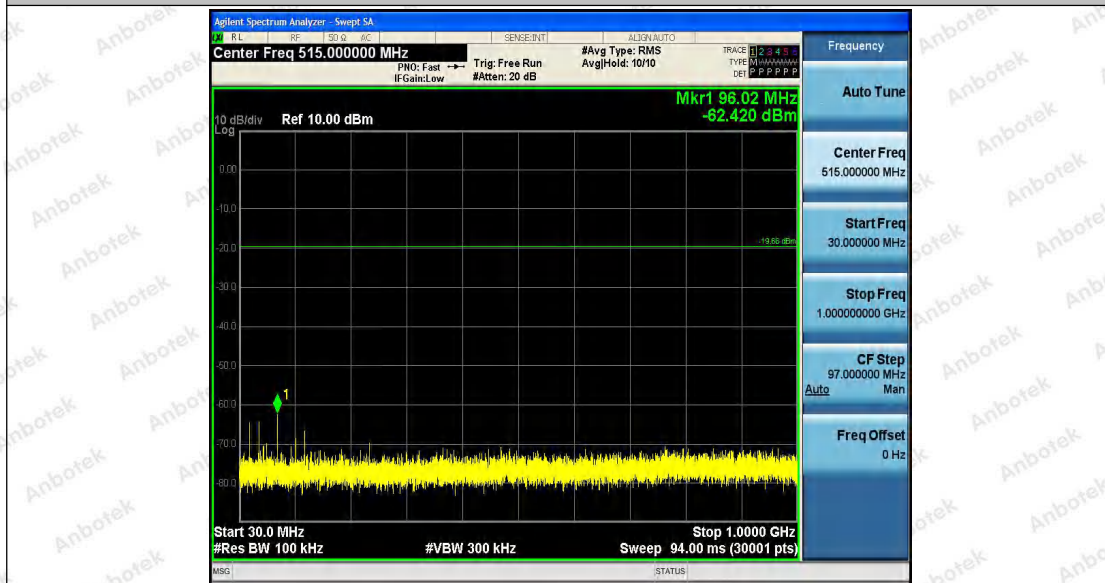




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

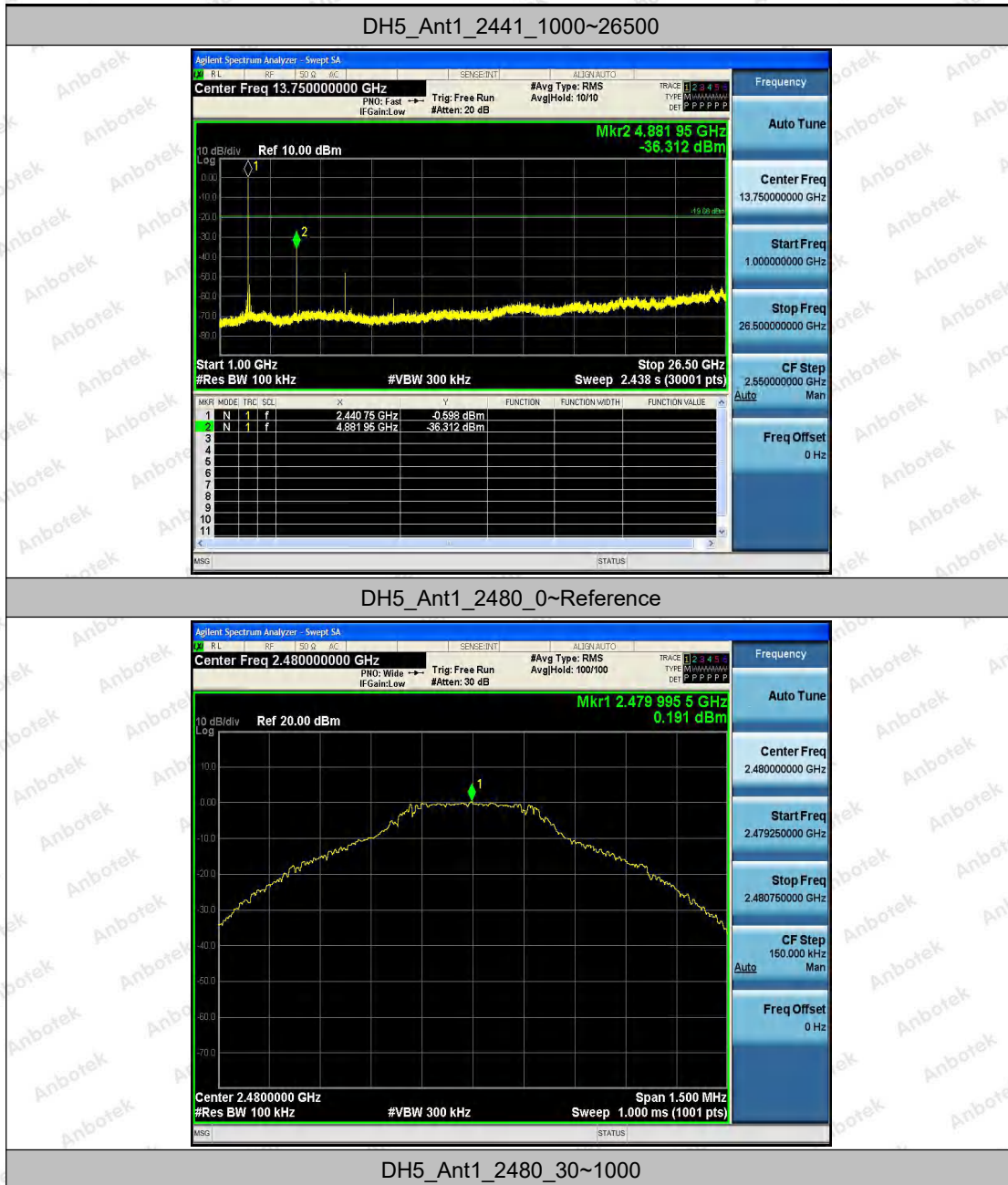


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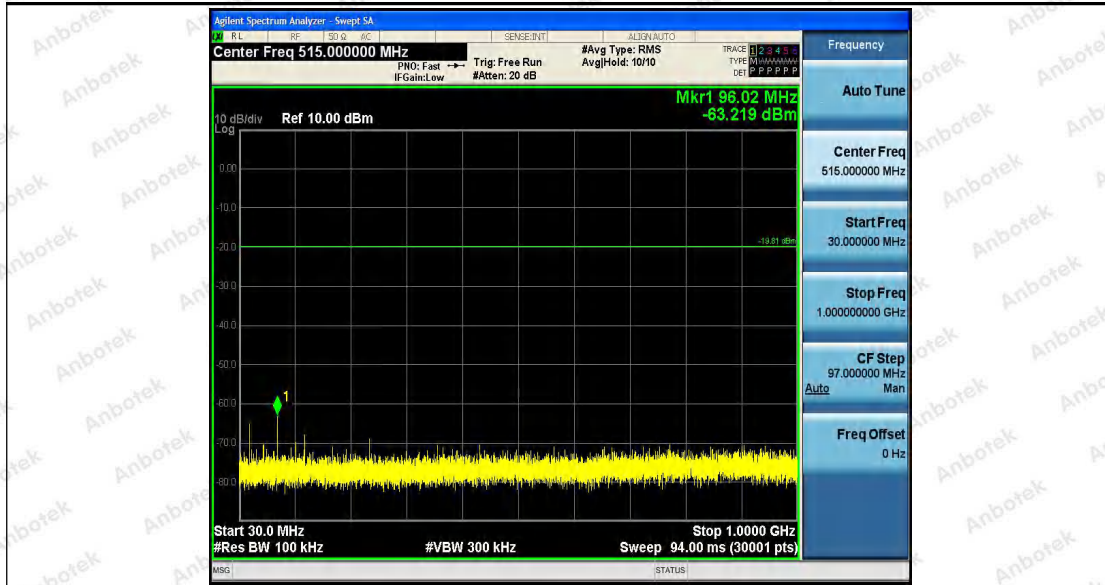
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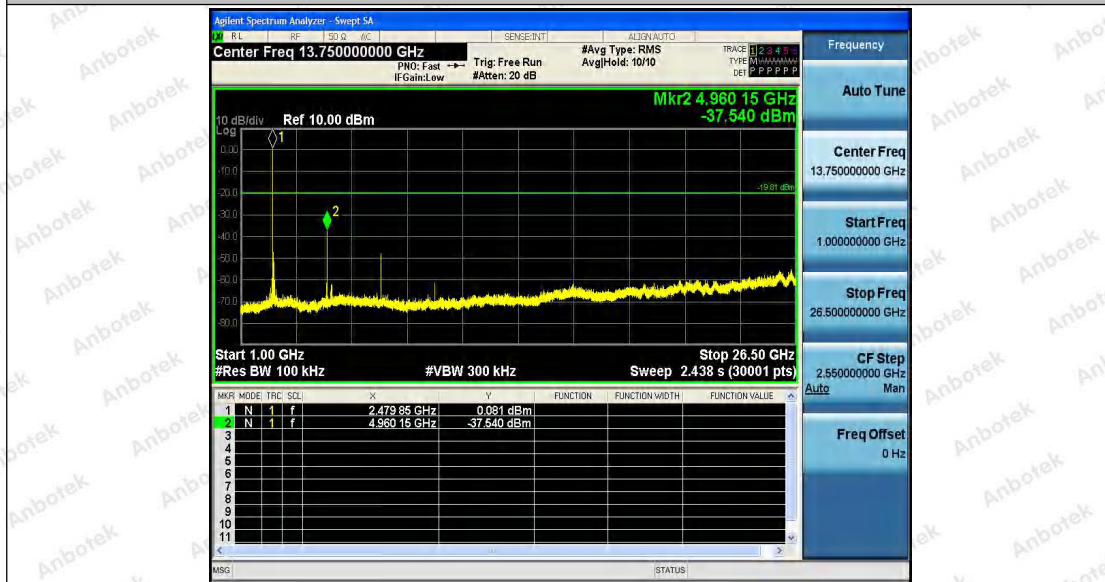
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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

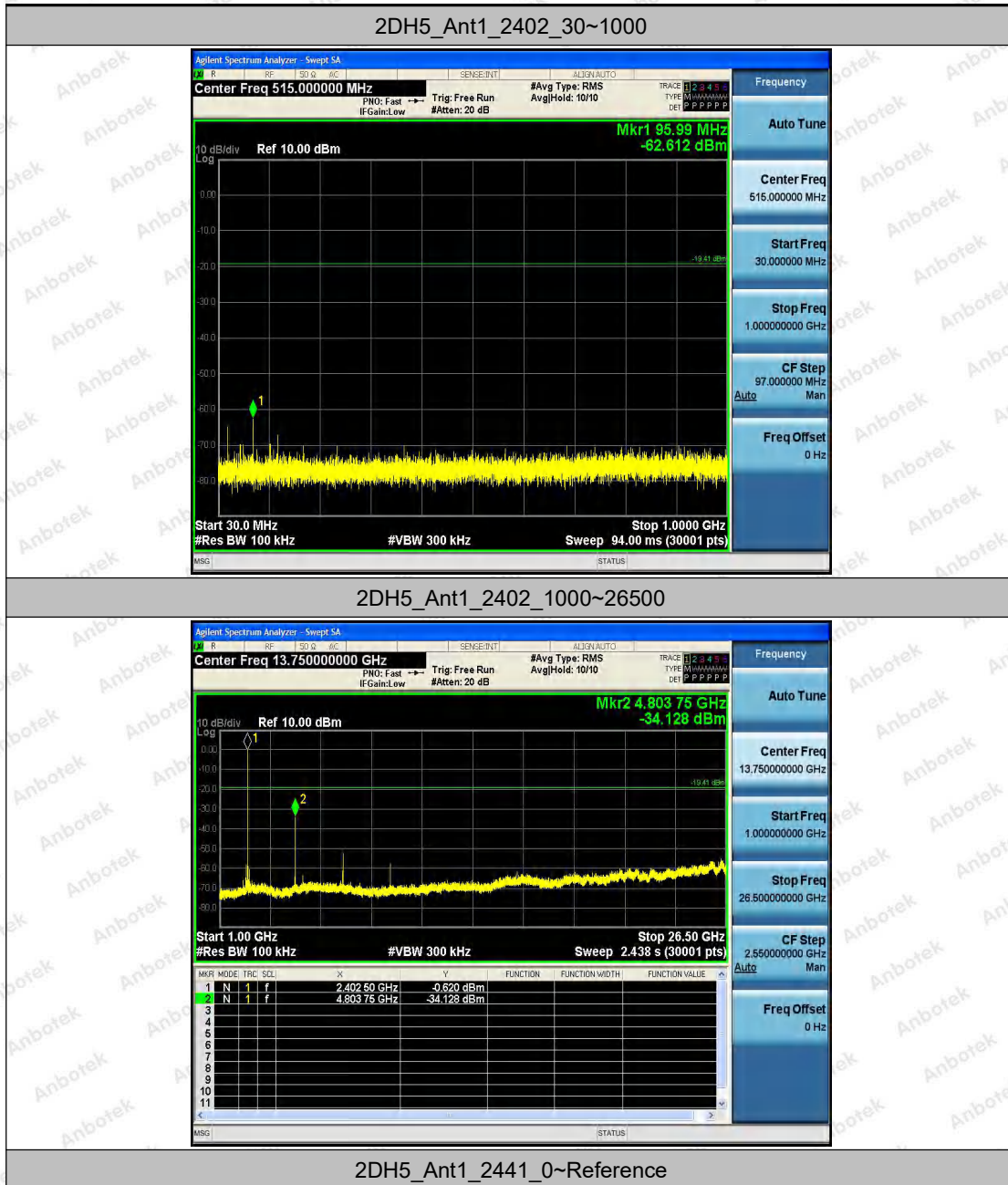


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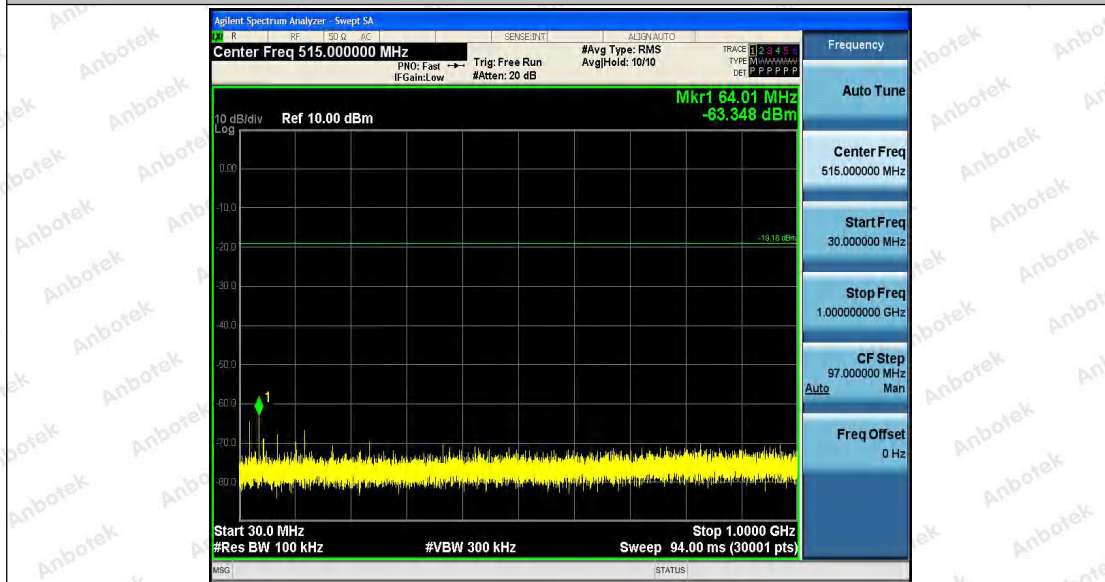
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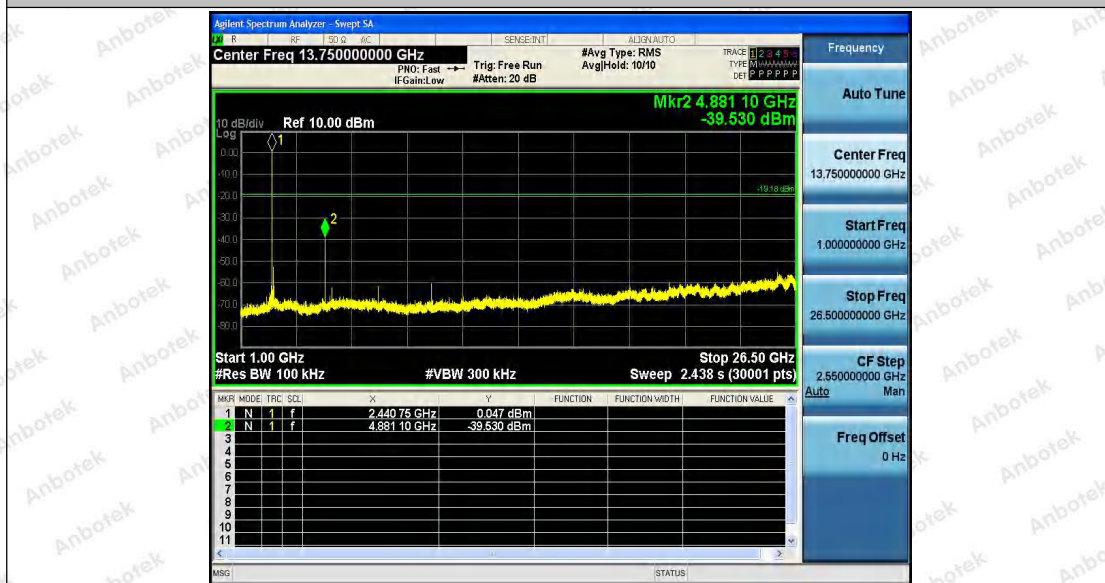
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2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500

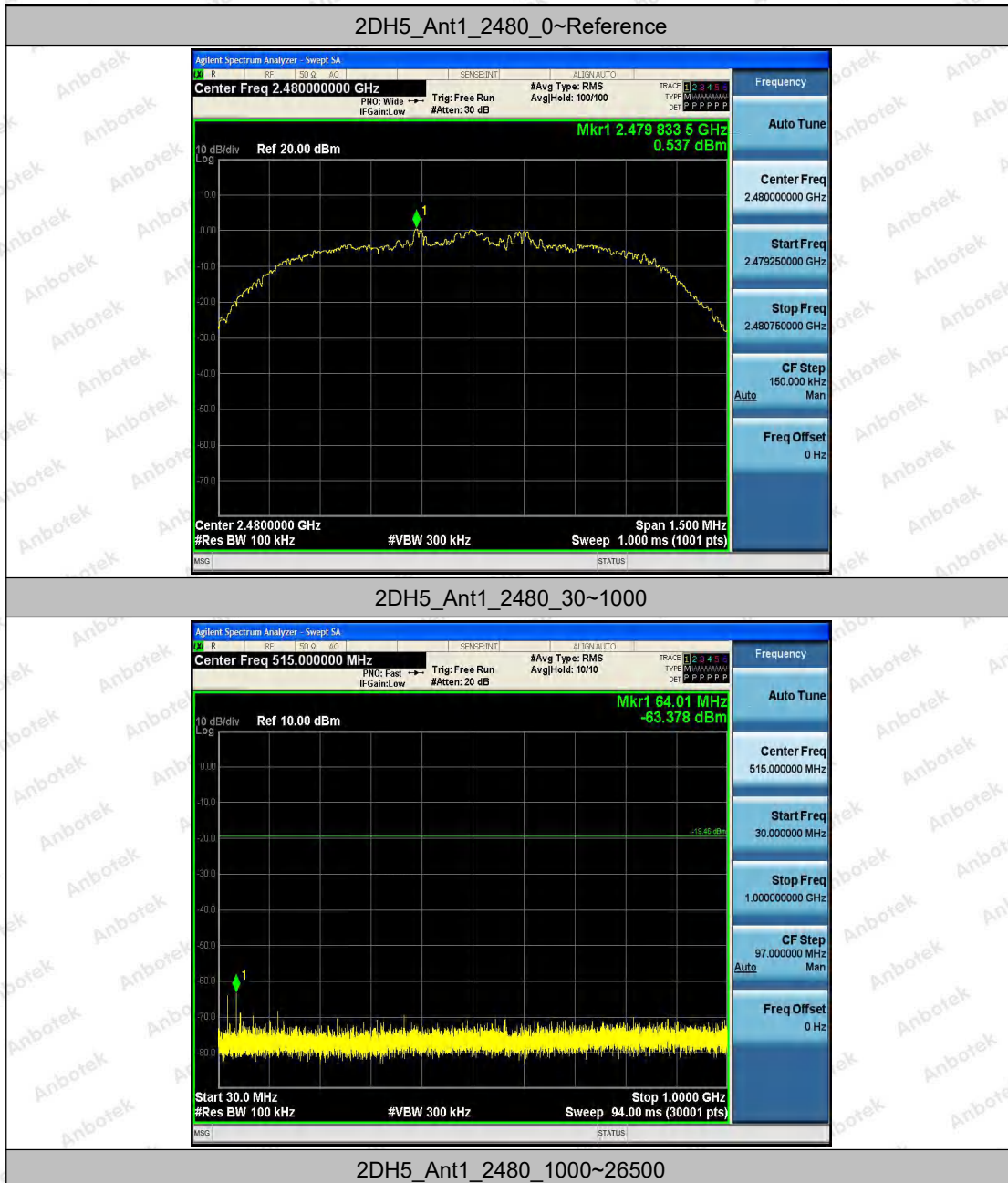


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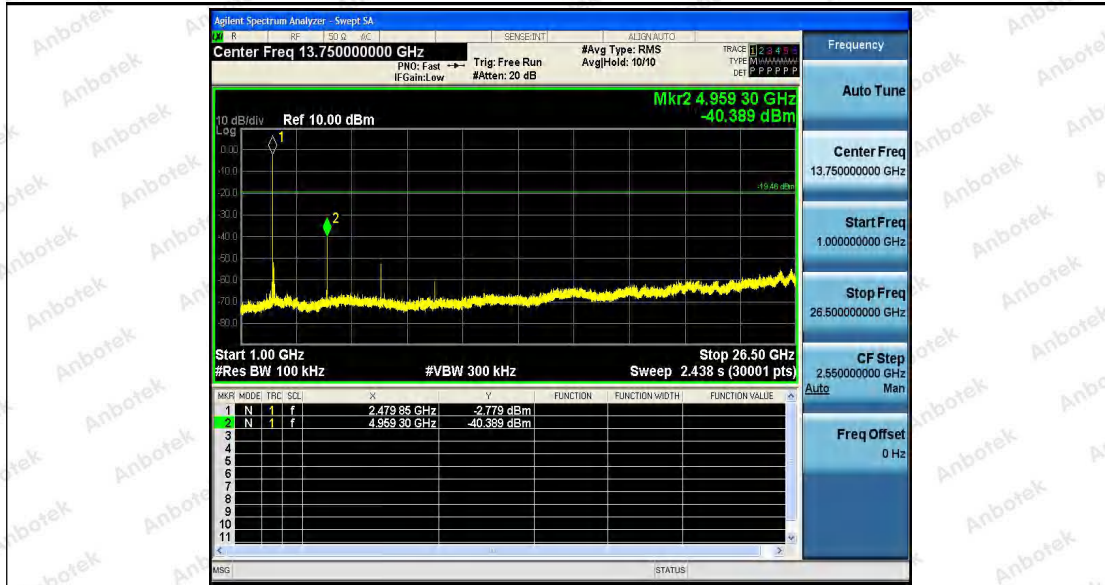


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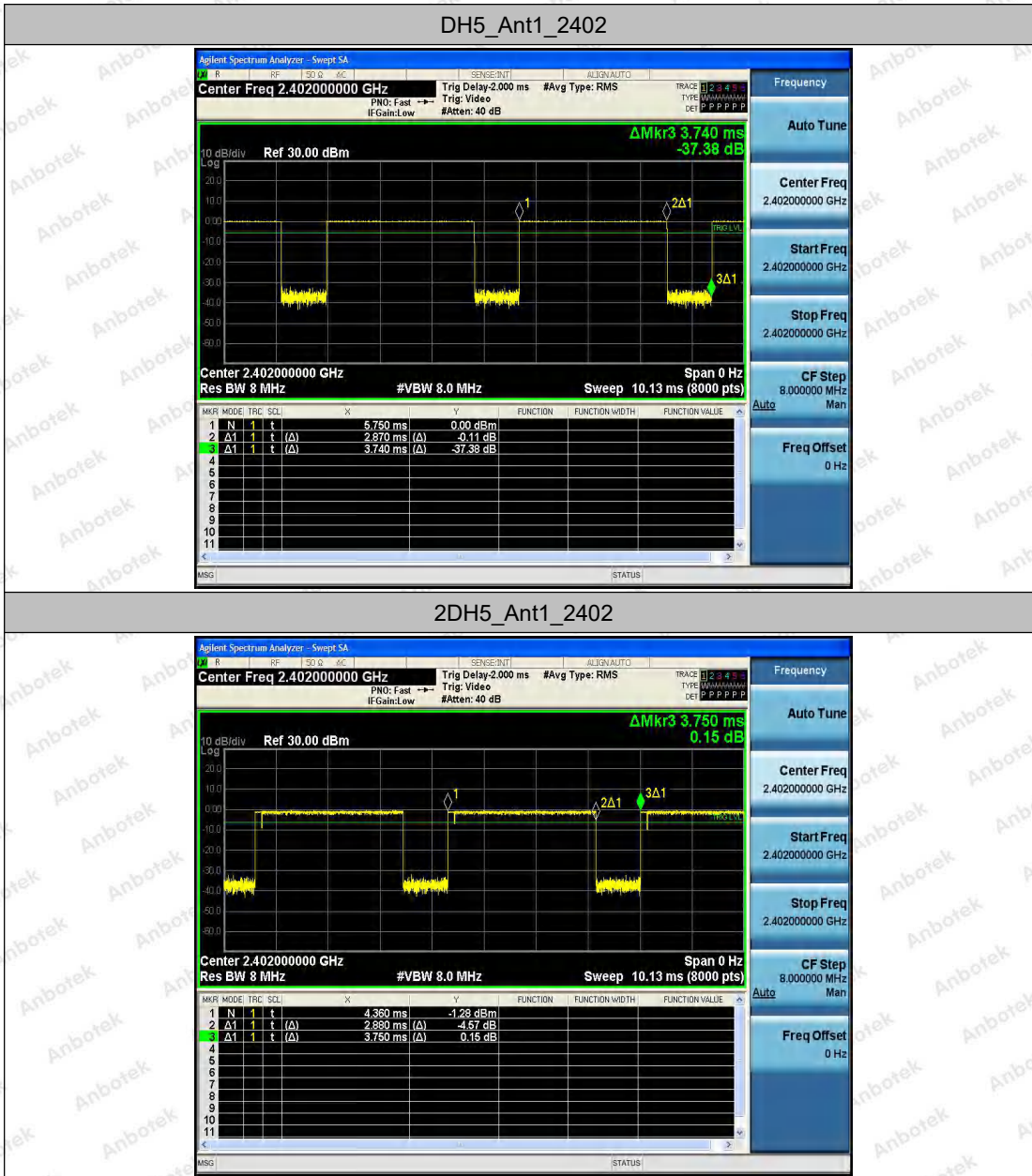
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Appendix I: Duty Cycle

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---