

Appendix Test Data

Report No.:	18220WC20086101	Test Sample No.:	1-2-2
Start Test Date:	2022.4.21	Finish Test Date:	2022.4.22
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	0.948	2401.541	2402.489	---	PASS
		2441	0.948	2440.538	2441.486	---	PASS
		2480	0.948	2479.541	2480.489	---	PASS
2DH5	Ant1	2402	1.272	2401.364	2402.636	---	PASS
		2441	1.323	2440.337	2441.660	---	PASS
		2480	1.269	2479.364	2480.633	---	PASS

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441

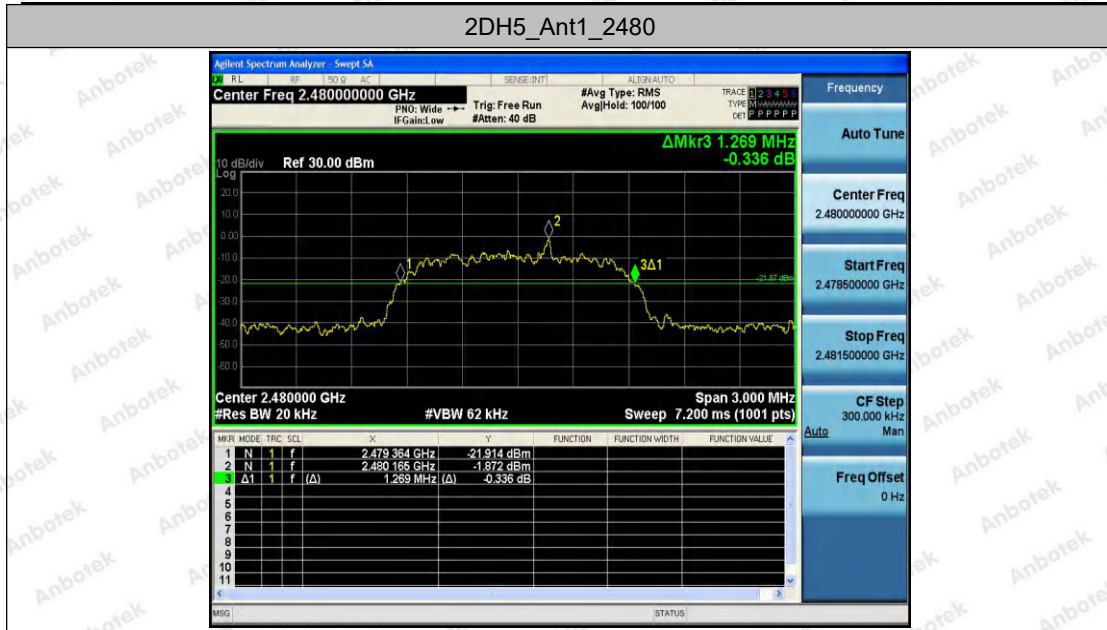


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88387	2401.56 0	2402.444	---	PASS
		2441	0.89384	2440.55 5	2441.449	---	PASS
		2480	0.88760	2479.55 8	2480.446	---	PASS
2DH5	Ant1	2402	1.1959	2401.40 3	2402.599	---	PASS
		2441	1.1985	2440.40 2	2441.600	---	PASS
		2480	1.1926	2479.40 4	2480.596	---	PASS

Test Graphs

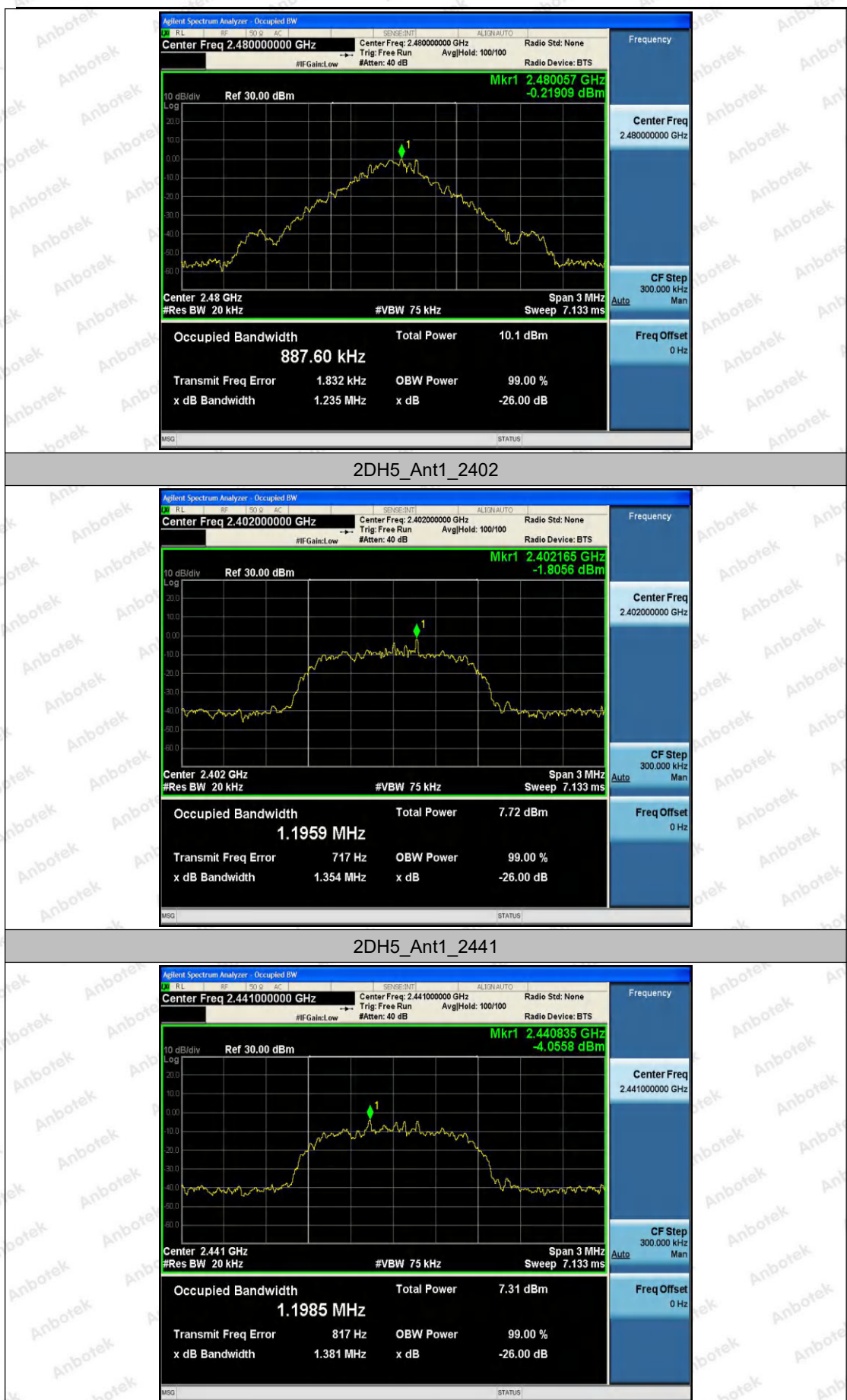
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

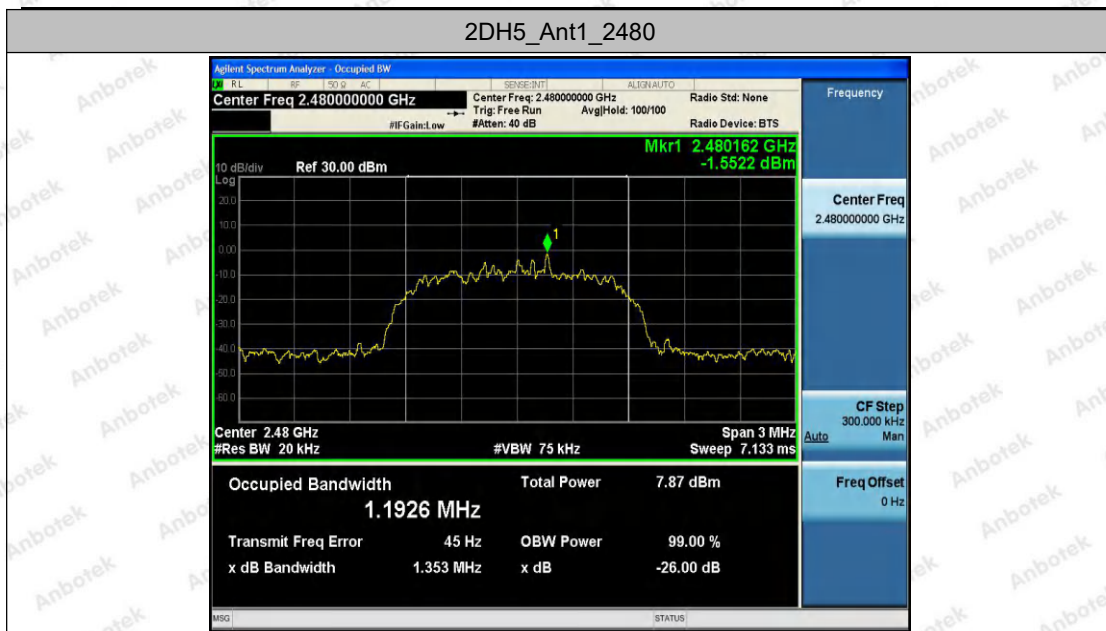


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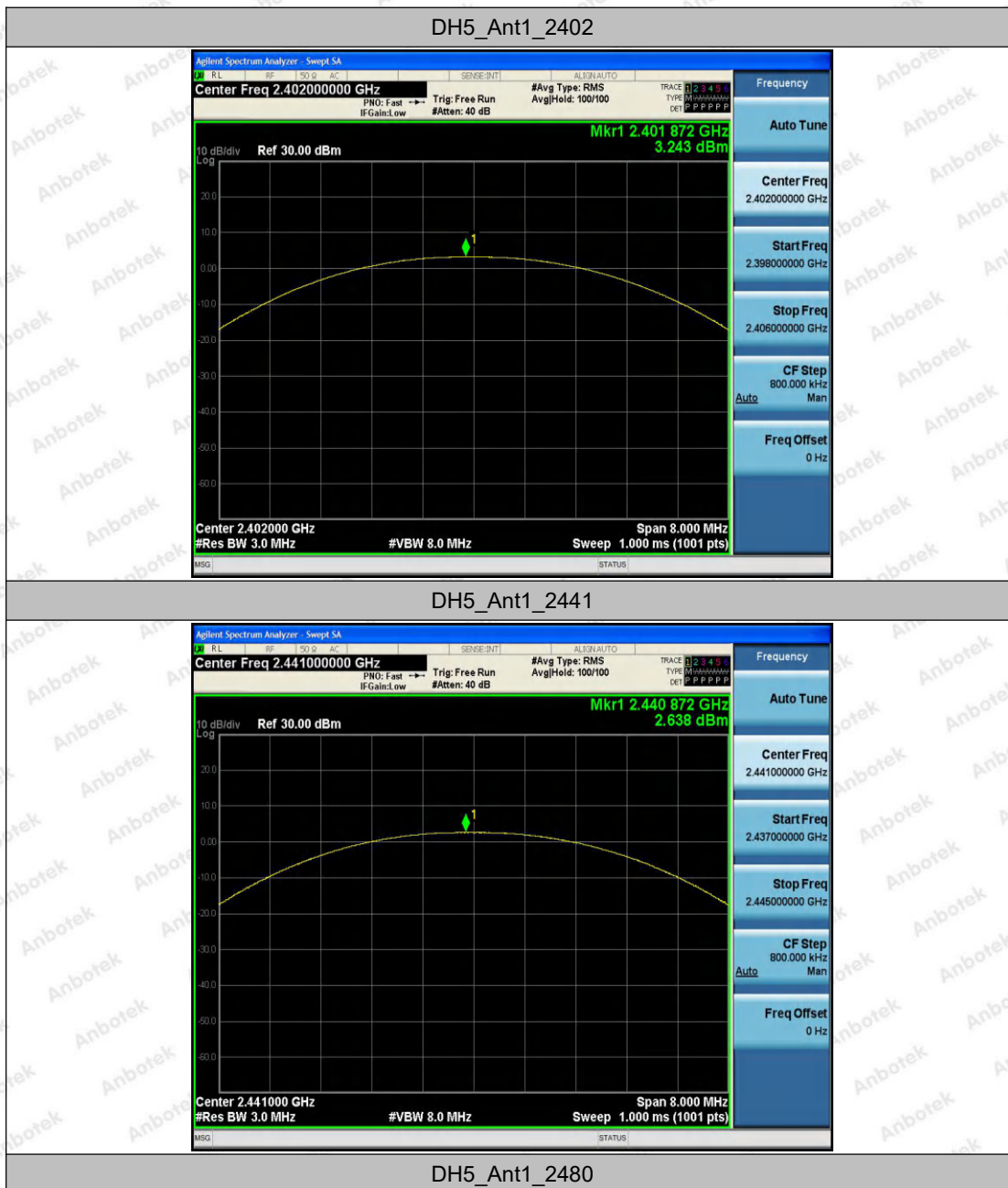
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.24	≤20.97	PASS
		2441	2.64	≤20.97	PASS
		2480	3.41	≤20.97	PASS
2DH5	Ant1	2402	2.48	≤20.97	PASS
		2441	1.97	≤20.97	PASS
		2480	2.49	≤20.97	PASS

Test Graphs



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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	1.126	≥ 0.948	PASS
2DH5	Ant1	Hop	1.318	≥ 0.882	PASS

Test Graphs



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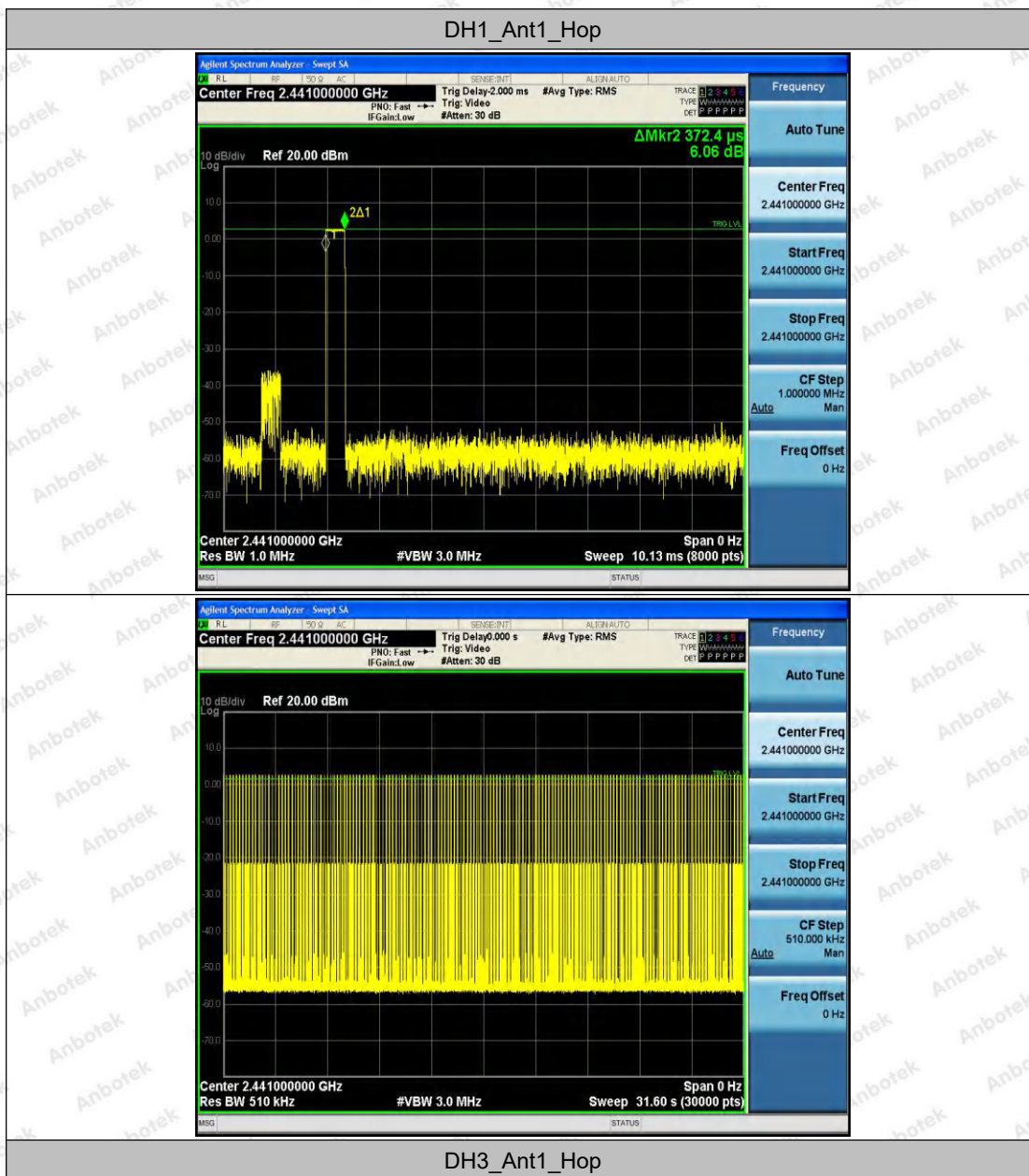
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Appendix E: Time of occupancy

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	156	0.254	≤0.4	PASS
DH5	Ant1	Hop	2.88	102	0.293	≤0.4	PASS
2DH1	Ant1	Hop	0.38	314	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.63	158	0.258	≤0.4	PASS
2DH5	Ant1	Hop	2.88	109	0.314	≤0.4	PASS

Test Graphs



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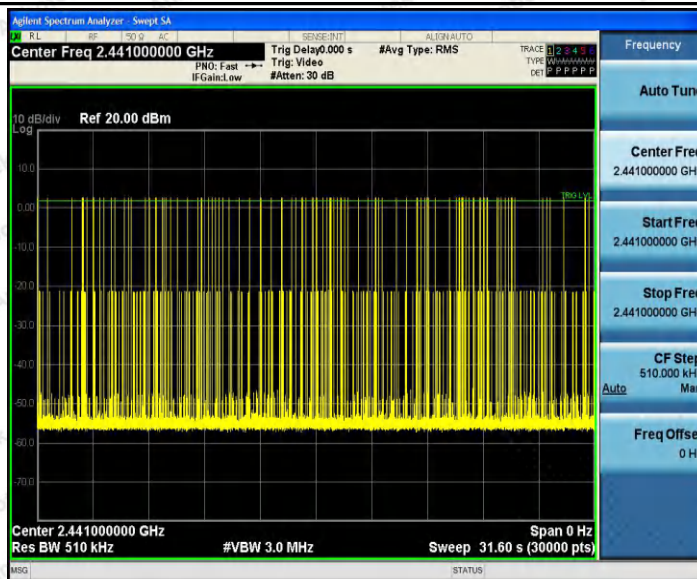
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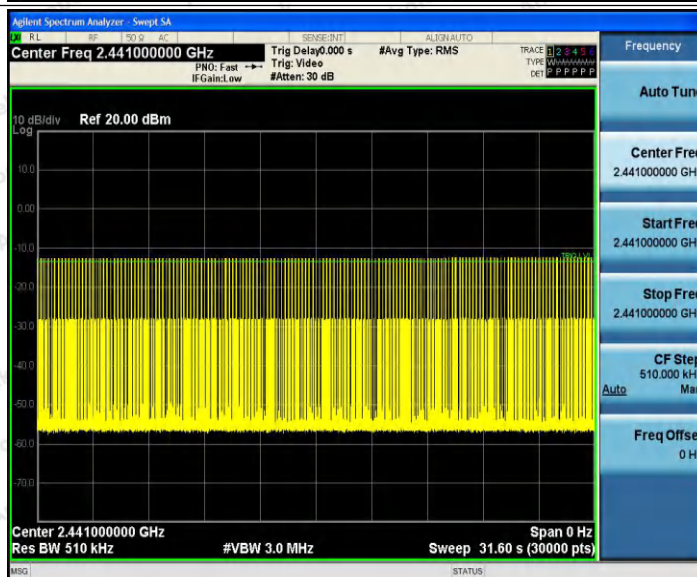
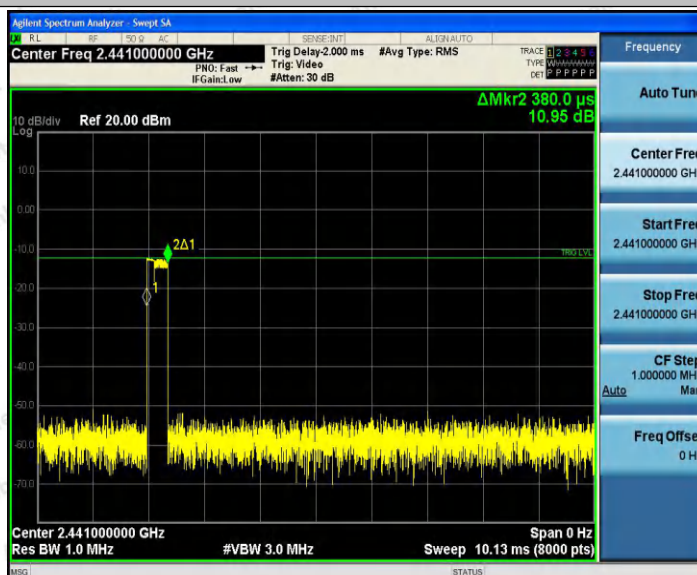
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DH5_Ant1_Hop



2DH1_Ant1_Hop



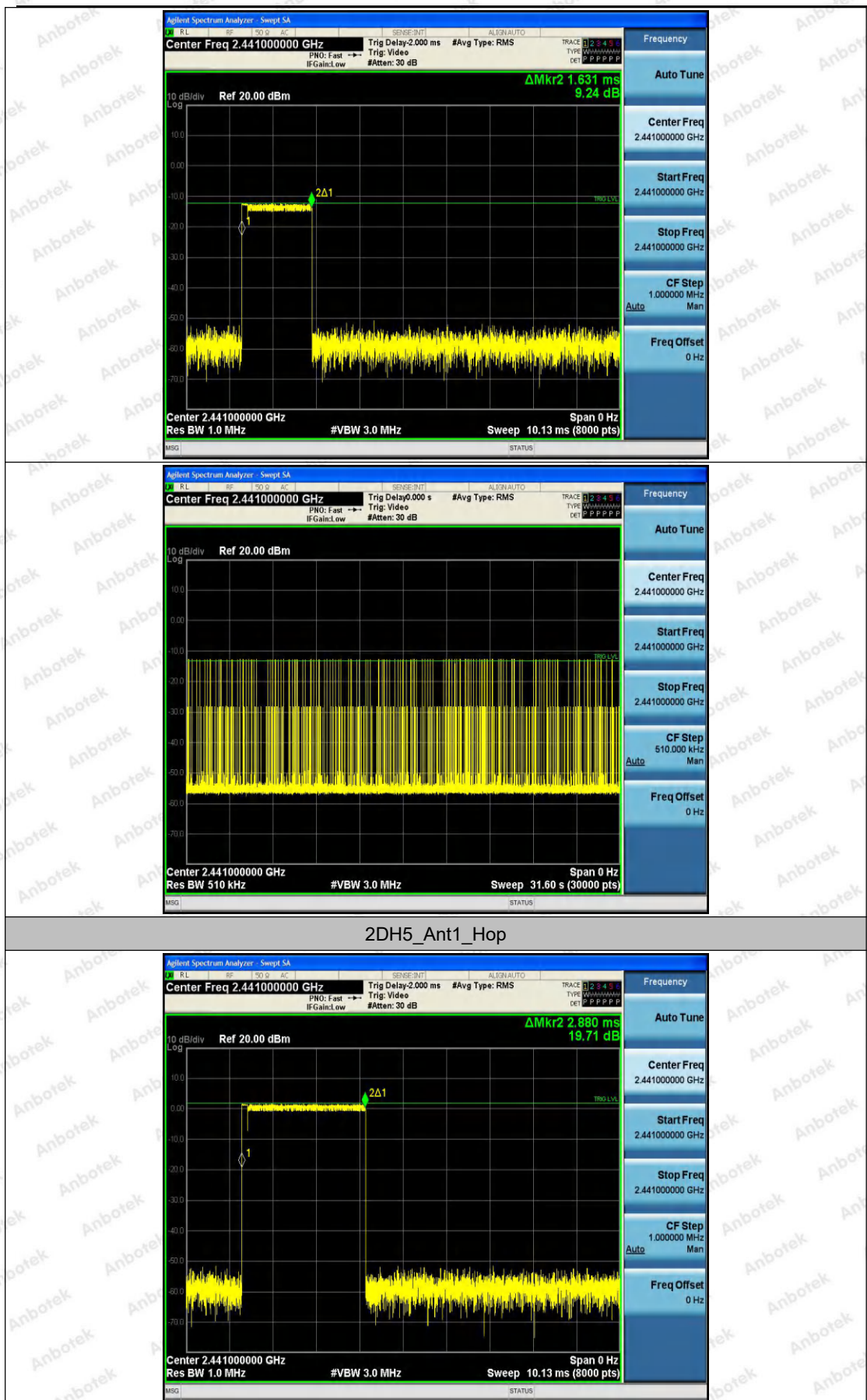
2DH3_Ant1_Hop

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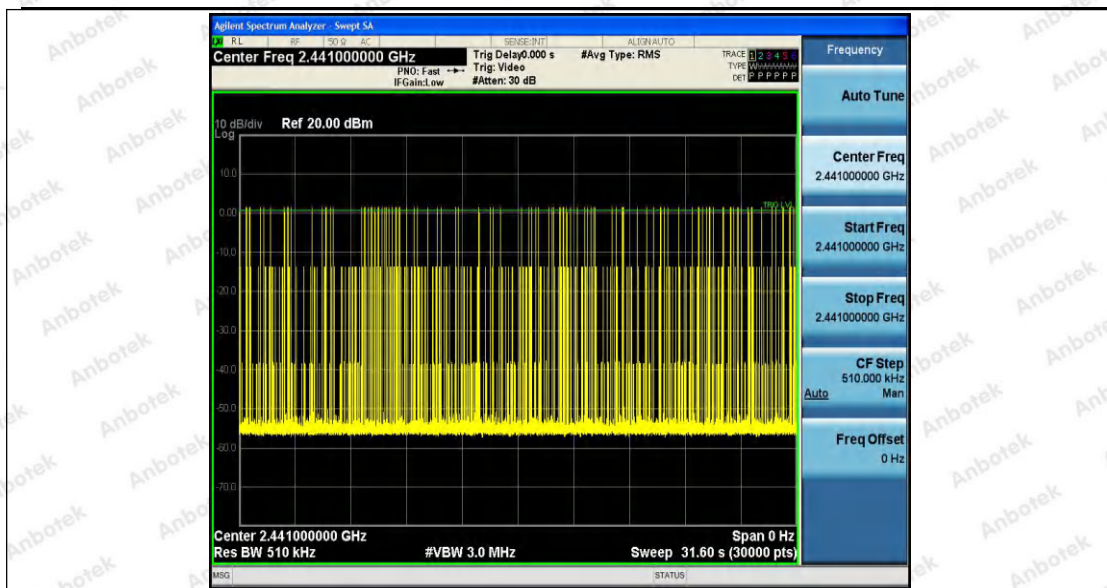
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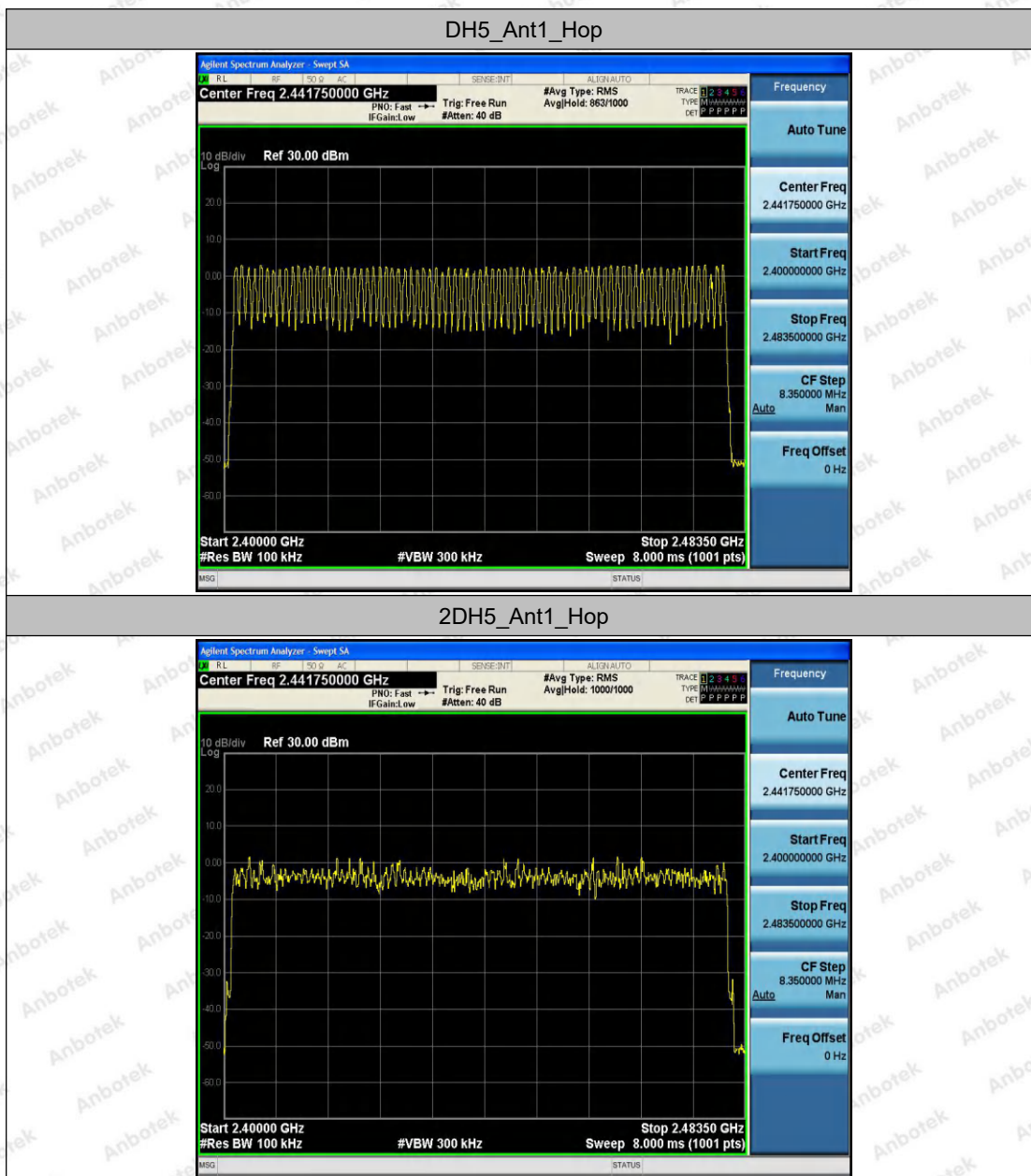
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Appendix F: Number of hopping channels

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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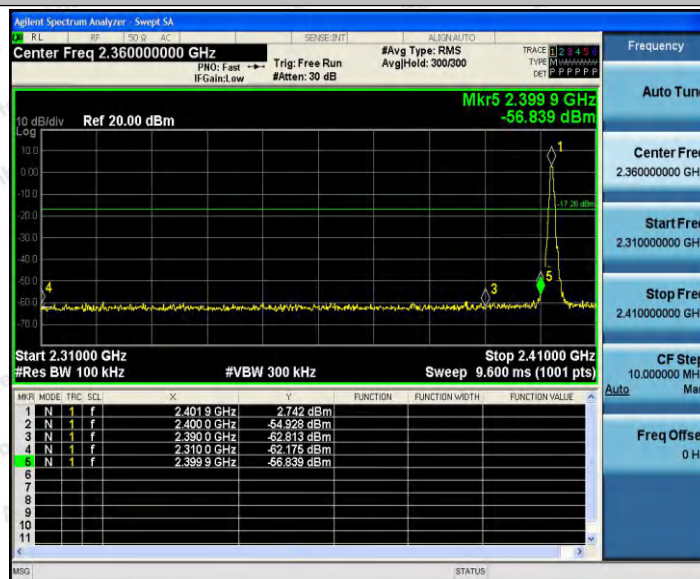
Appendix G: Band edge measurements

Test Result

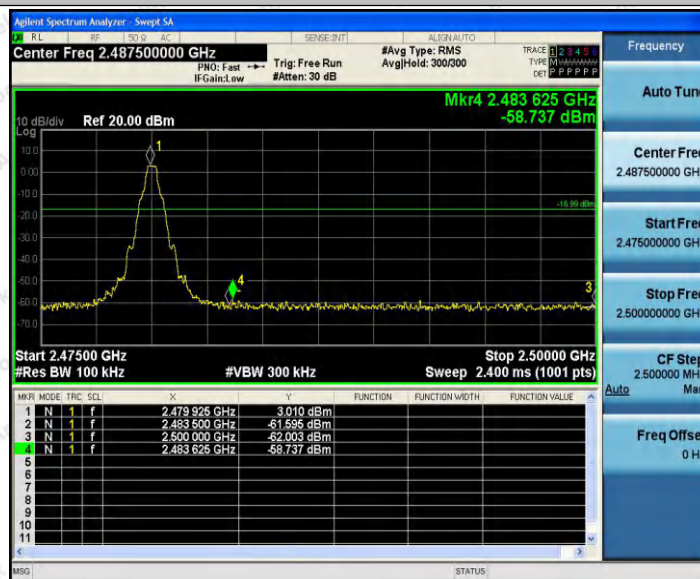
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.74	-56.84	≤-17.26	PASS
		High	2480	3.01	-58.74	≤-16.99	PASS
		Low	Hop	2.82	-59.59	≤-17.19	PASS
		High	Hop	2.93	-62.28	≤-17.07	PASS
2DH5	Ant1	Low	2402	0.79	-55.53	≤-19.21	PASS
		High	2480	1.41	-59.11	≤-18.59	PASS
		Low	Hop	-2.04	-47.74	≤-22.04	PASS
		High	Hop	-0.04	-61.84	≤-20.04	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop

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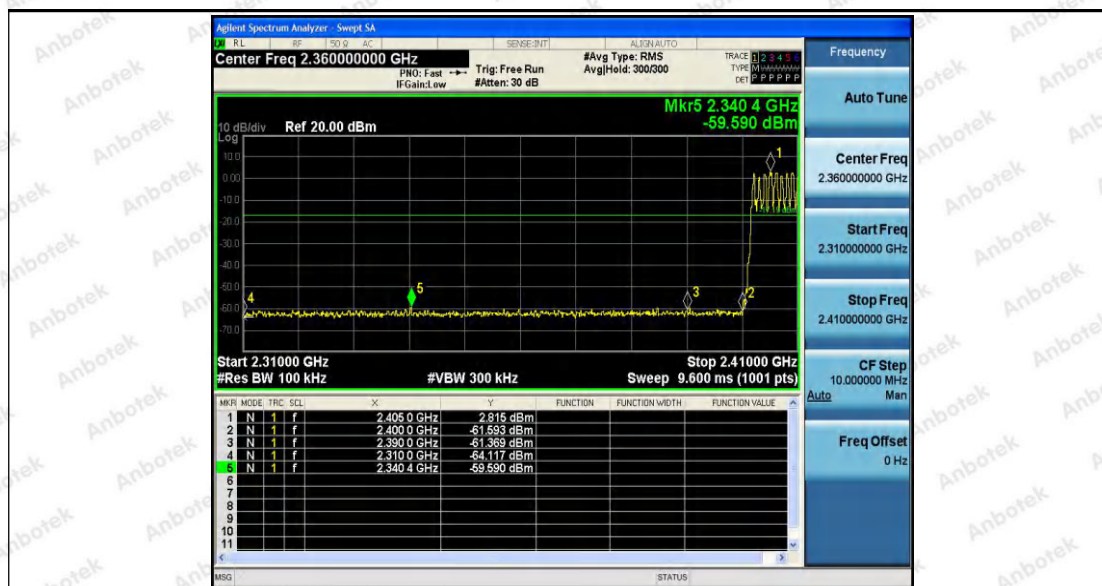
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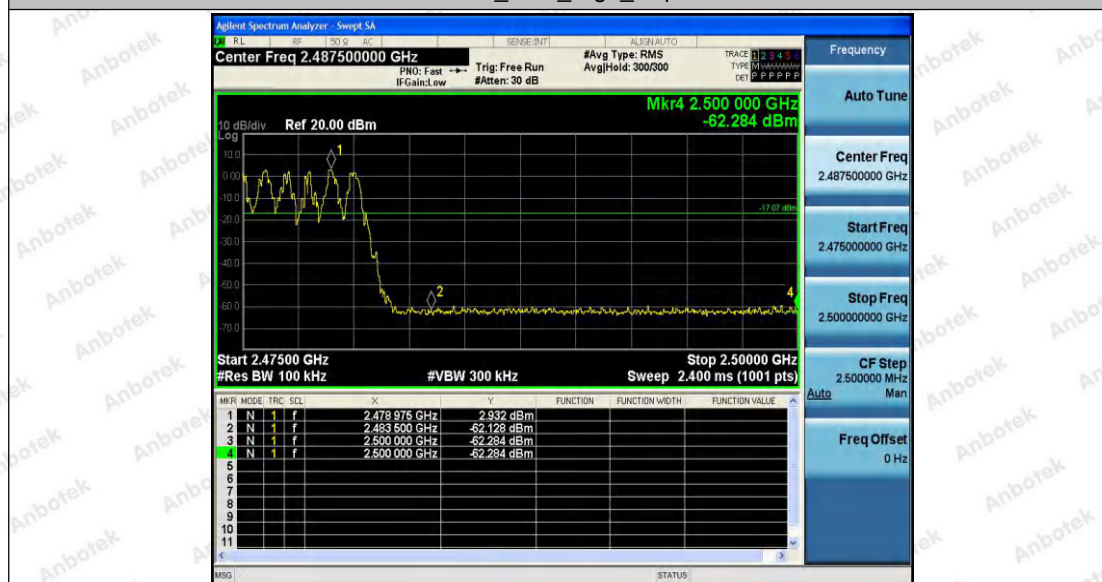
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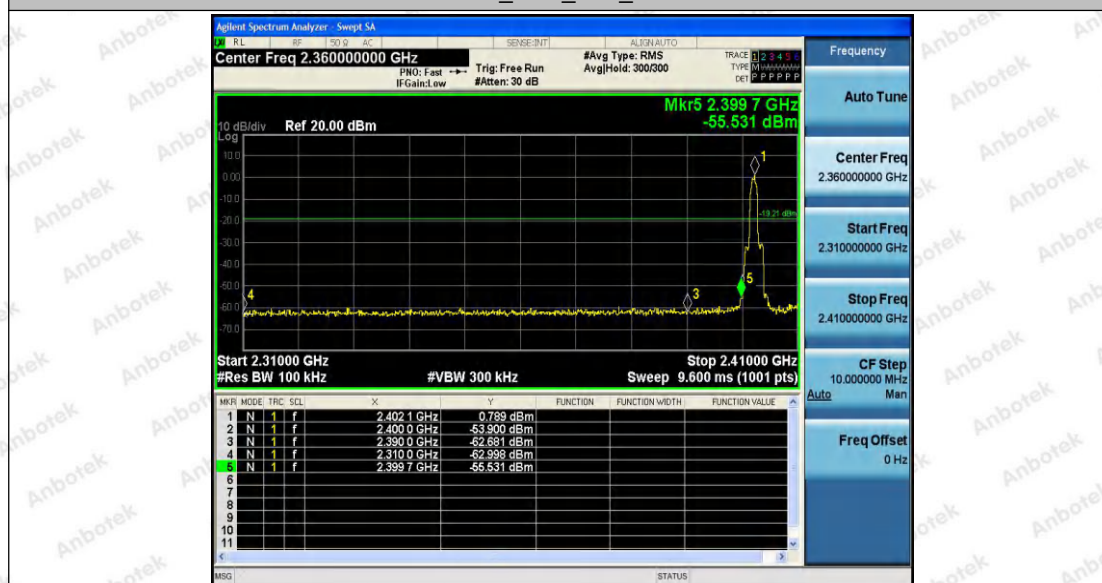
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DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



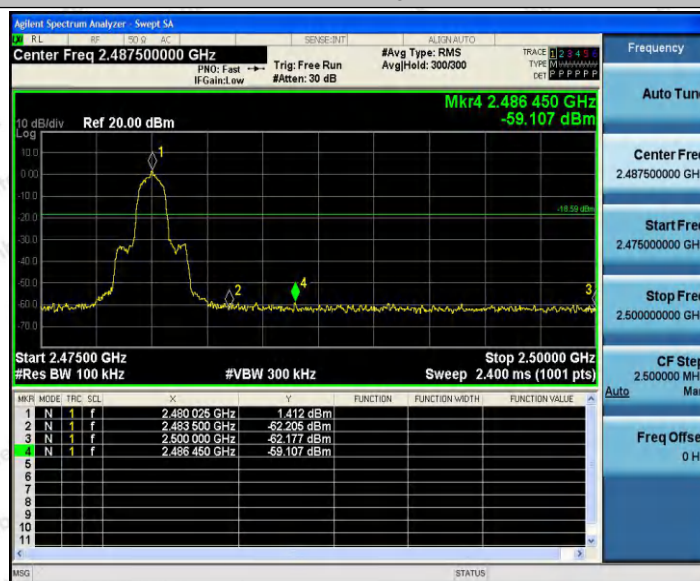
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



2DH5_Ant1_High_Hop

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Appendix H: Conducted Spurious Emission

Test Result

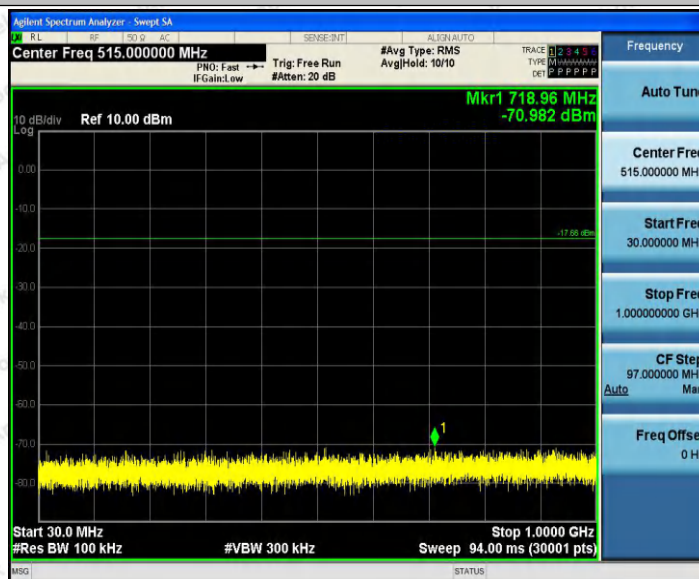
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.34	2.34	---	PASS
			30~1000	2.34	-70.98	≤-17.66	PASS
			1000~26500	2.34	-55.22	≤-17.66	PASS
		2441	Reference	1.88	1.88	---	PASS
			30~1000	1.88	-70.89	≤-18.12	PASS
			1000~26500	1.88	-48.78	≤-18.12	PASS
		2480	Reference	3.20	3.20	---	PASS
			30~1000	3.20	-69.52	≤-16.8	PASS
			1000~26500	3.20	-55.58	≤-16.8	PASS
2DH5	Ant1	2402	Reference	1.56	1.56	---	PASS
			30~1000	1.56	-70.23	≤-18.44	PASS
			1000~26500	1.56	-55.04	≤-18.44	PASS
		2441	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-70.71	≤-19.21	PASS
			1000~26500	0.79	-55.52	≤-19.21	PASS
		2480	Reference	1.50	1.50	---	PASS
			30~1000	1.50	-70.5	≤-18.5	PASS
			1000~26500	1.50	-55.35	≤-18.5	PASS

Test Graphs

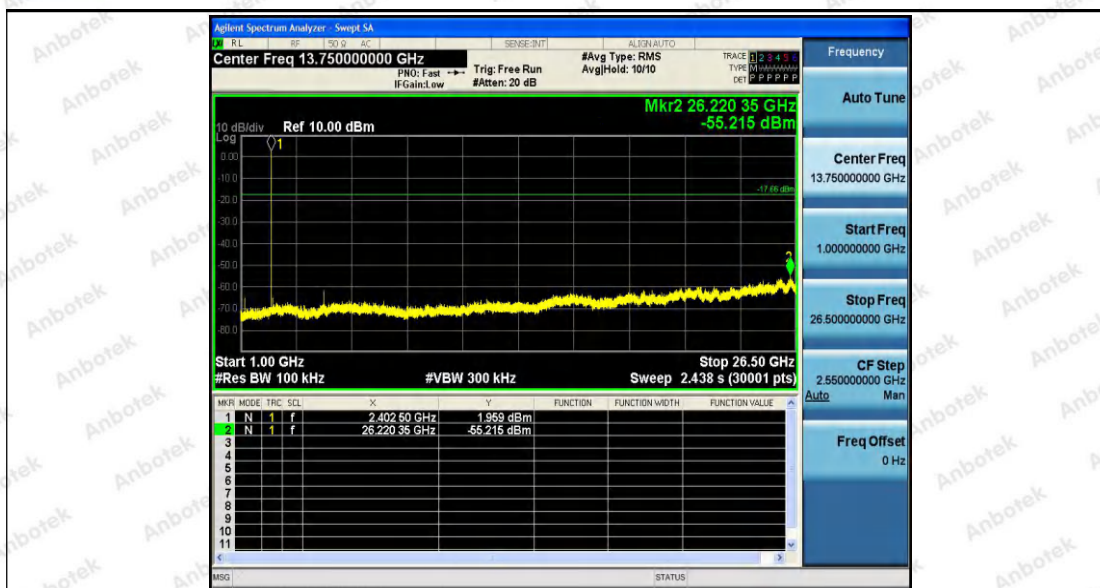
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



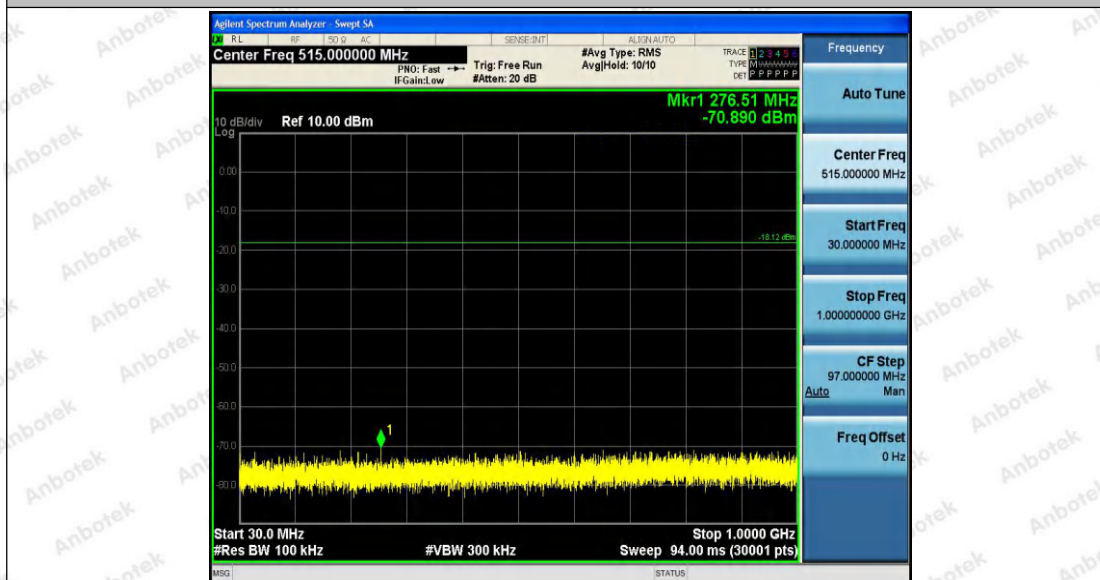
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



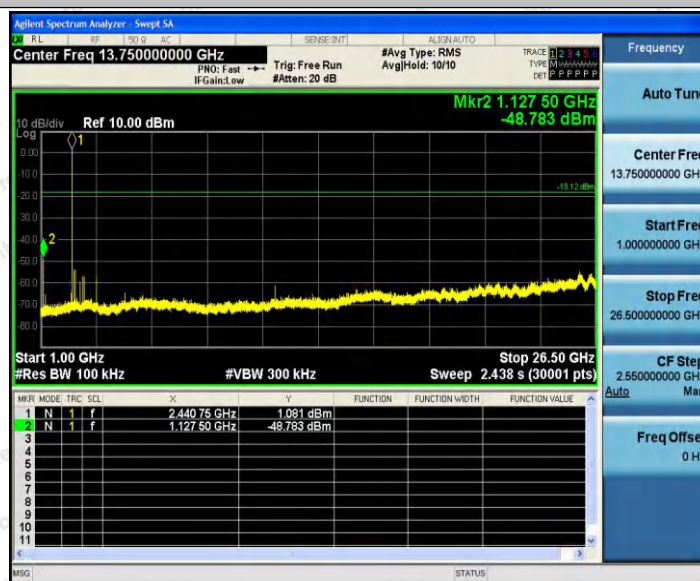
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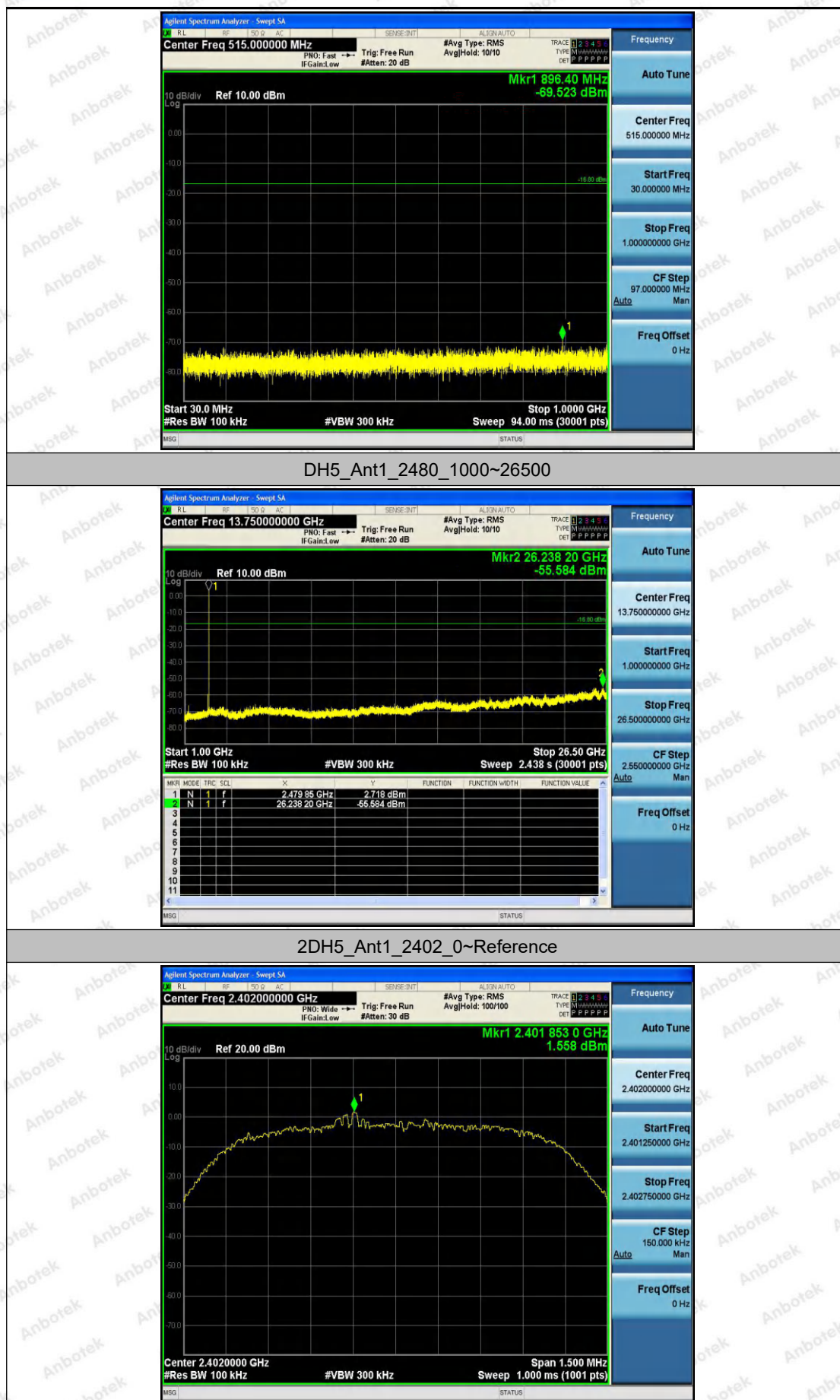
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

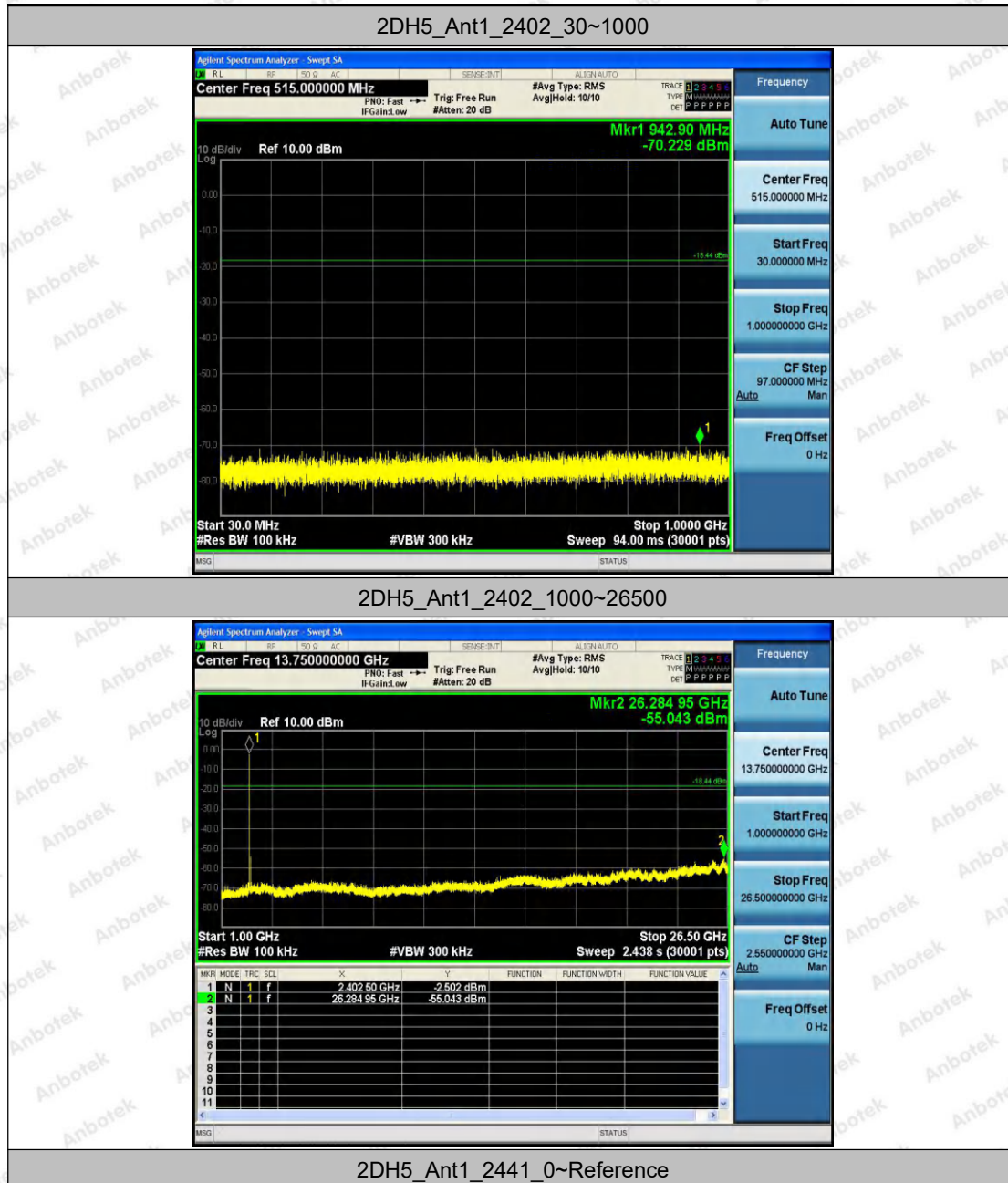


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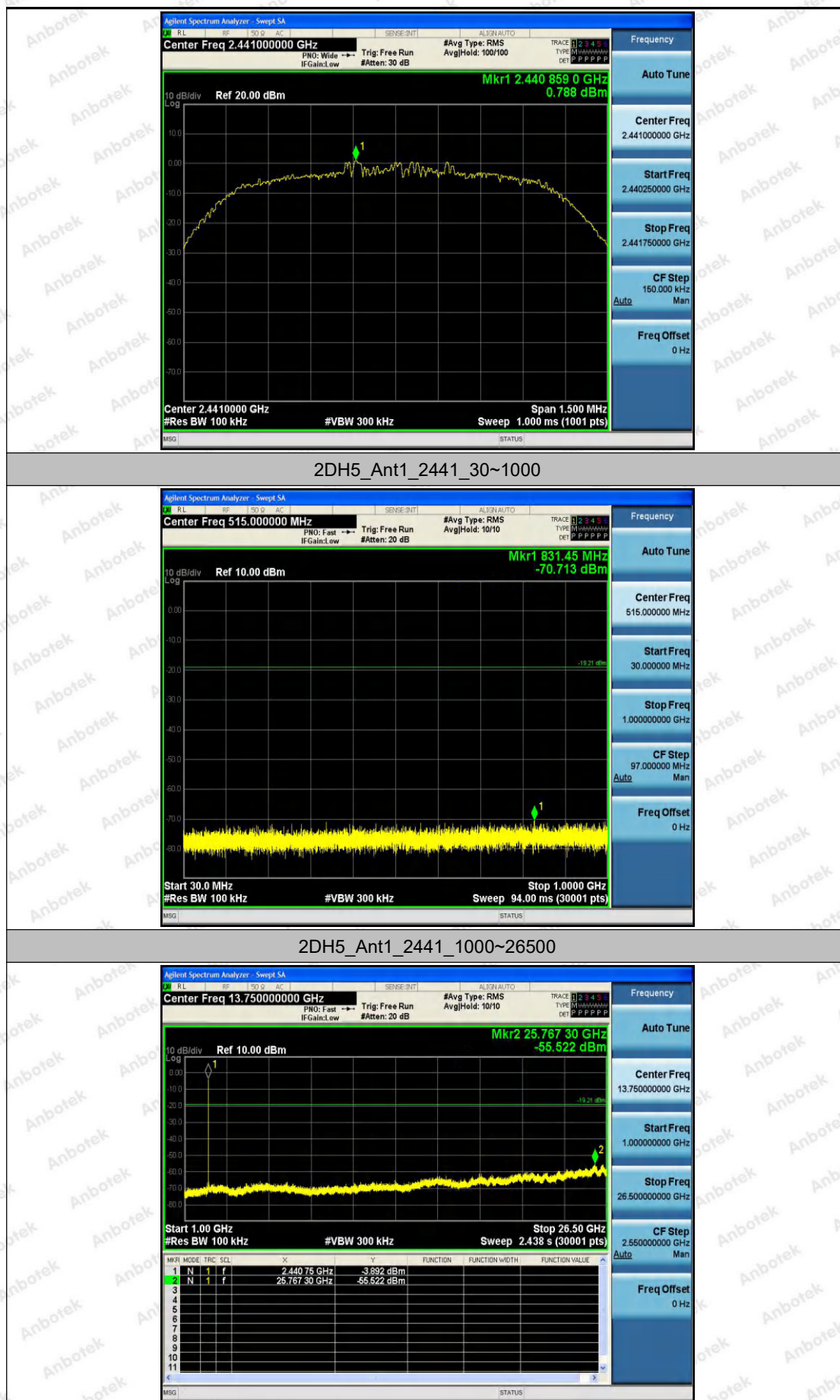


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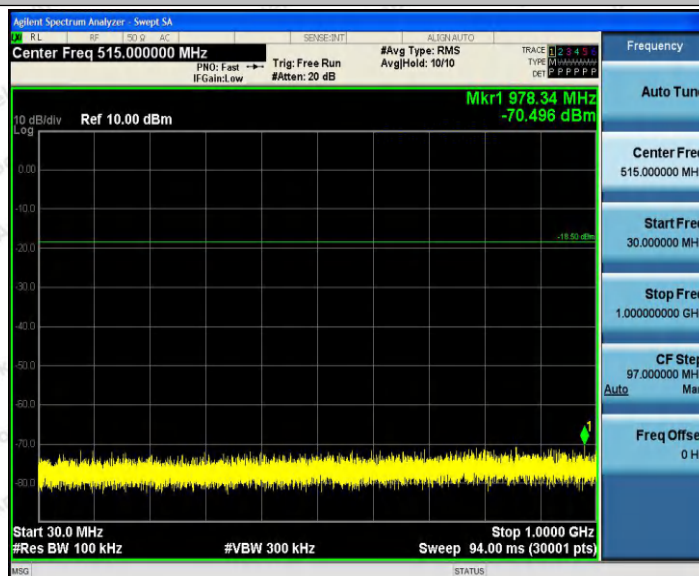
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



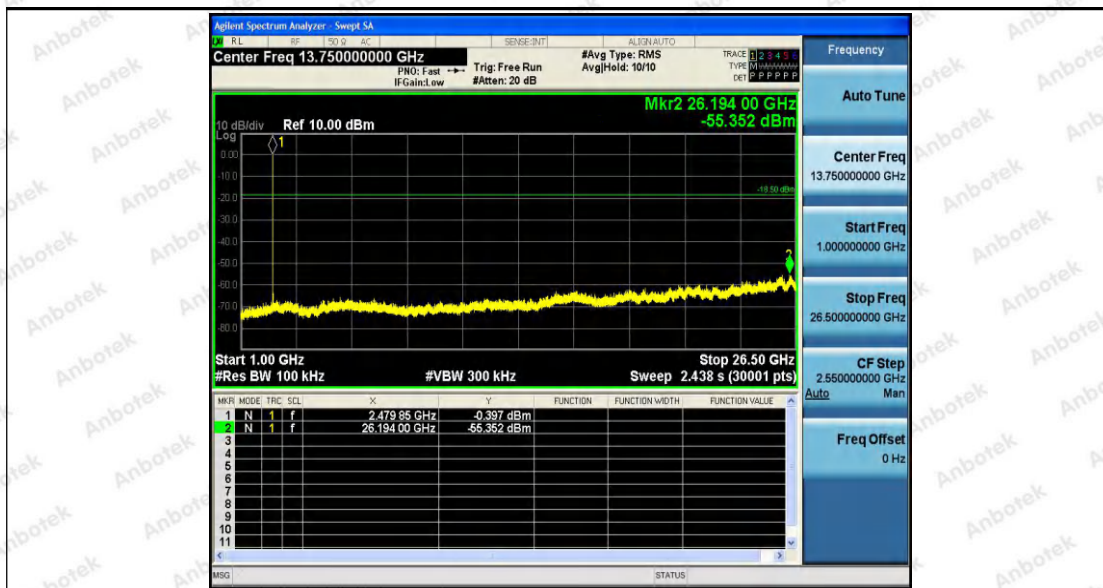
2DH5_Ant1_2480_1000~26500

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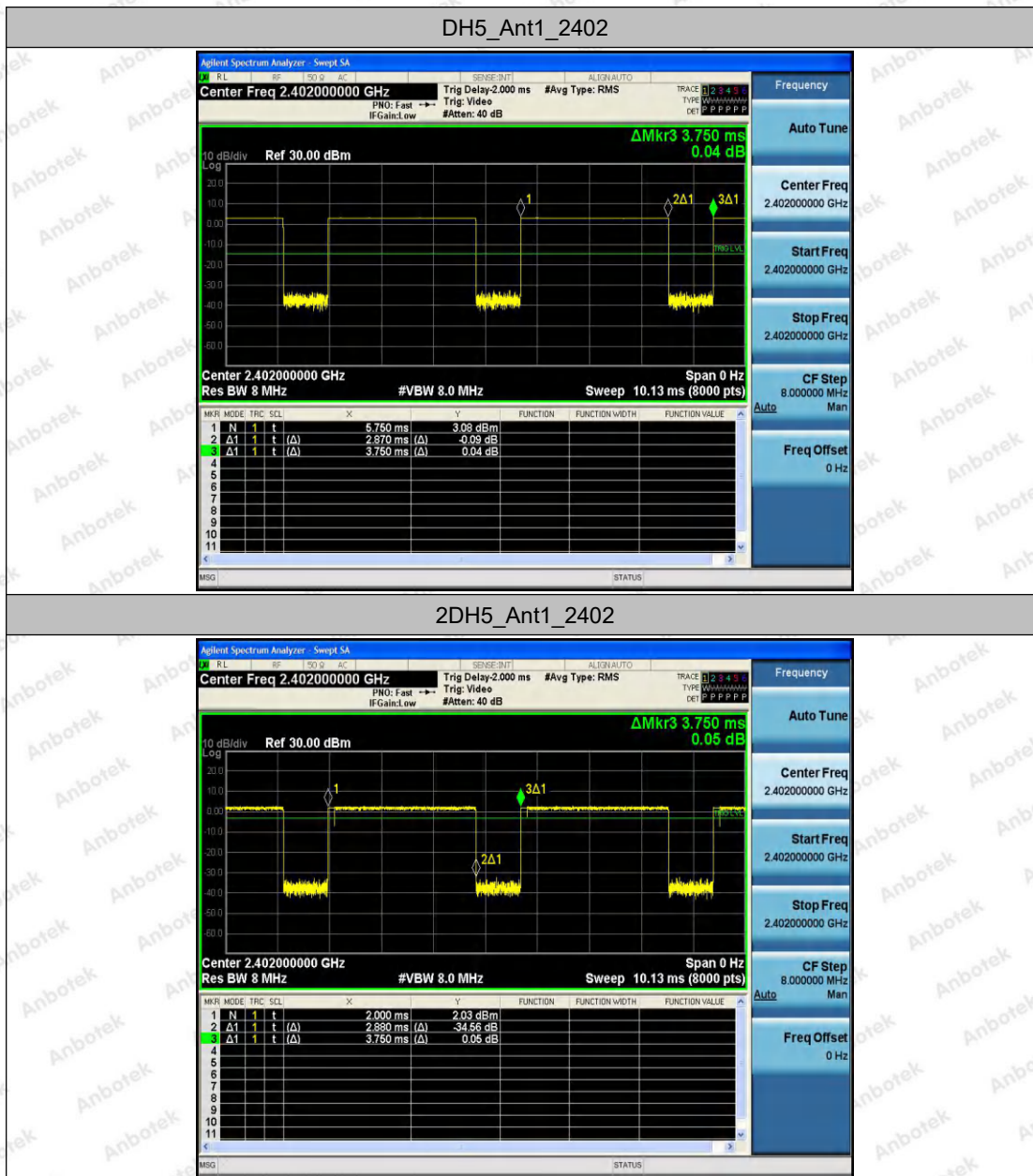
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Appendix I: Duty Cycle

Test Result

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---