

Appendix Test Data

Report No.:	18220WC10172001	Test Date:	2021.8.20
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
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	1.110	2401.457	2402.567	---	PASS
		2441	1.131	2440.424	2441.555	---	PASS
		2480	1.116	2479.442	2480.558	---	PASS
2DH5	Ant1	2402	1.362	2401.310	2402.672	---	PASS
		2441	1.353	2440.319	2441.672	---	PASS
		2480	1.371	2479.304	2480.675	---	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	0.89348	2401.55 0	2402.443	---	PASS
		2441	0.88578	2440.55 1	2441.437	---	PASS
		2480	0.88347	2479.55 3	2480.437	---	PASS
2DH5	Ant1	2402	1.1928	2401.39 9	2402.591	---	PASS
		2441	1.1896	2440.40 0	2441.590	---	PASS
		2480	1.1878	2479.40 1	2480.589	---	PASS

Test Graphs

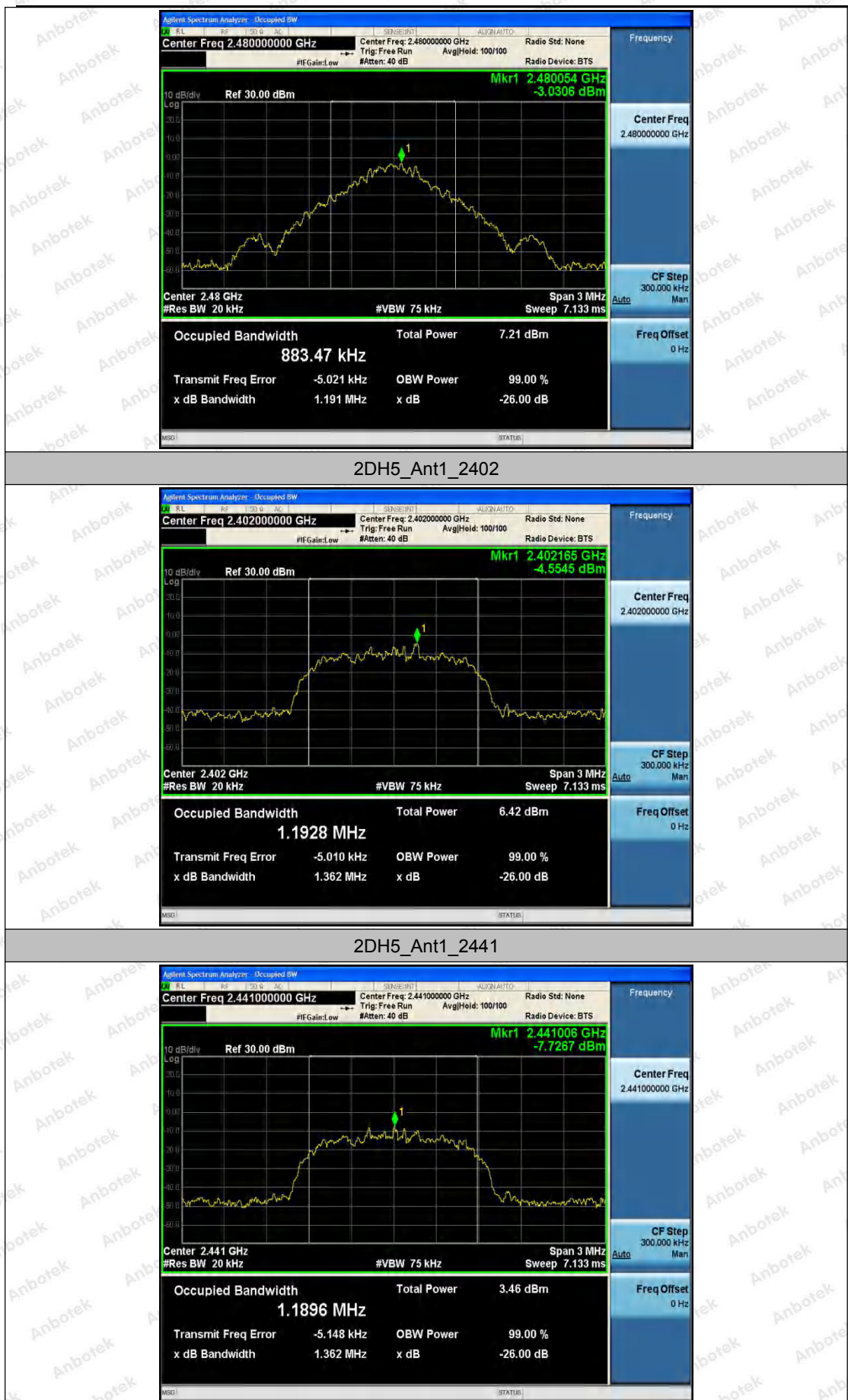


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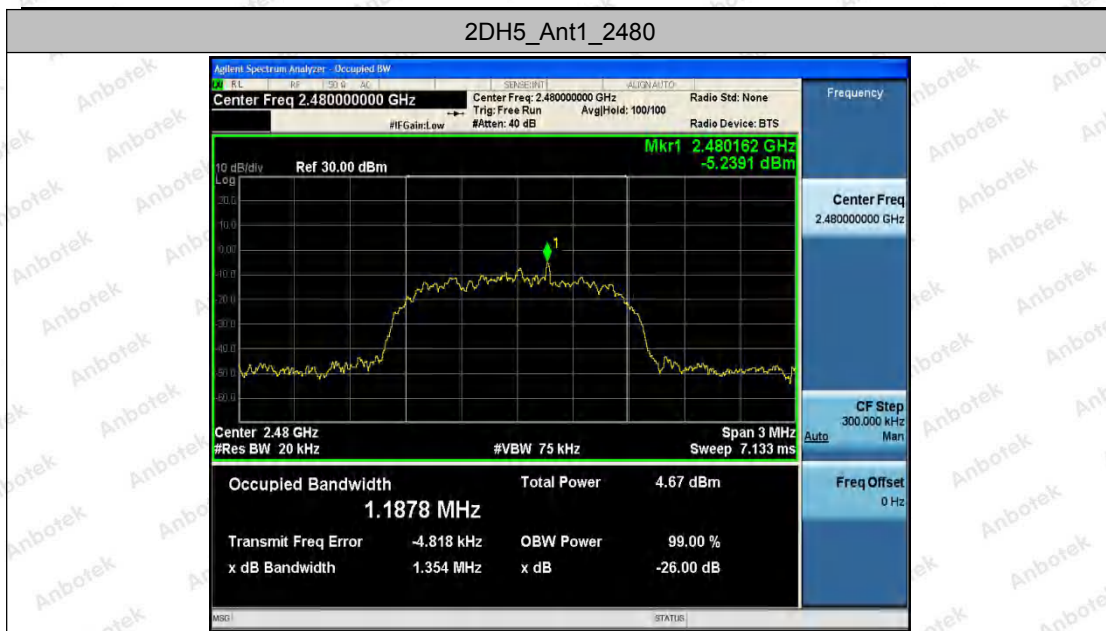


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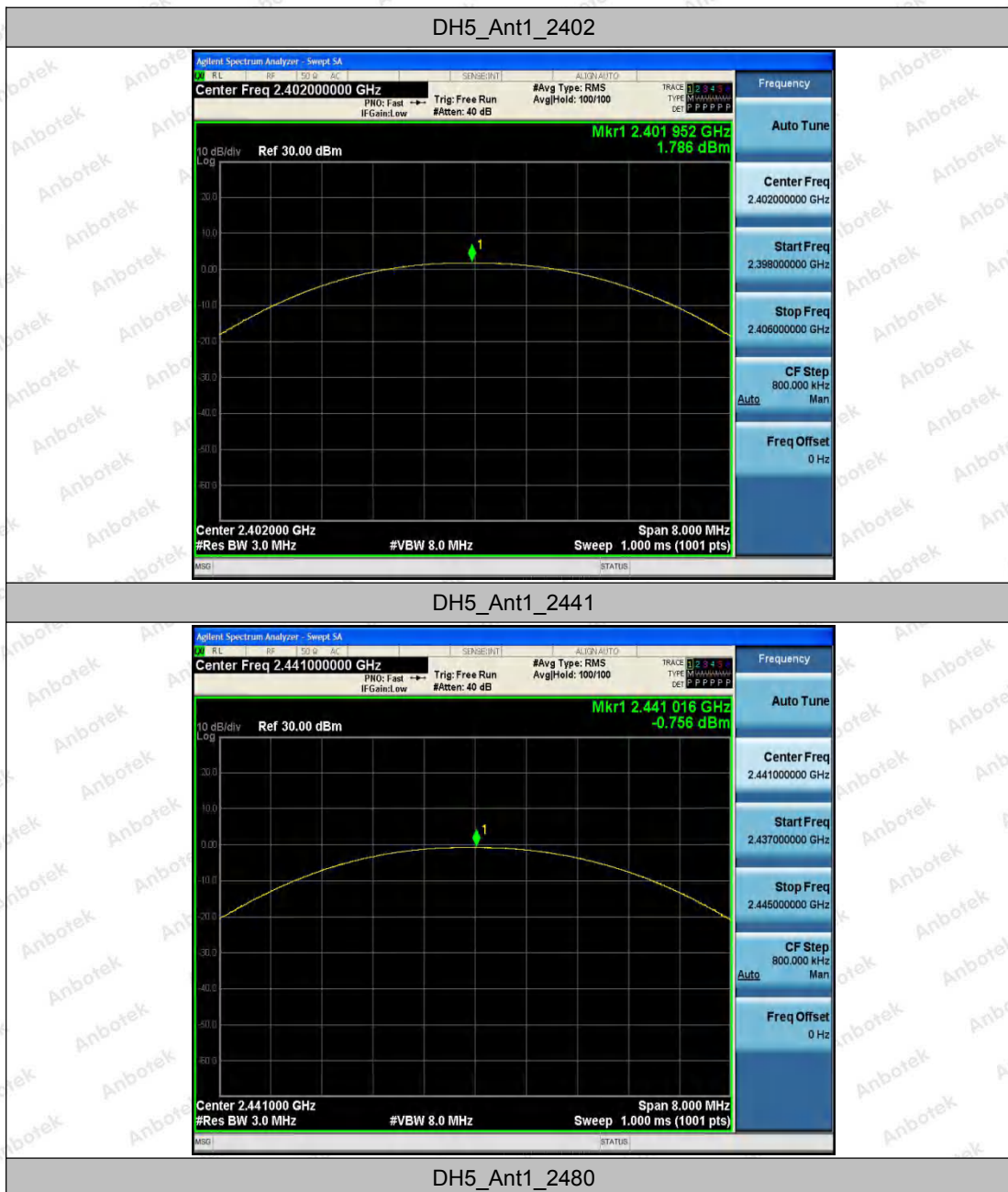
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.79	≤20.97	PASS
		2441	-0.76	≤20.97	PASS
		2480	0.91	≤20.97	PASS
2DH5	Ant1	2402	1.1	≤20.97	PASS
		2441	-1.62	≤20.97	PASS
		2480	-0.43	≤20.97	PASS

Test Graphs

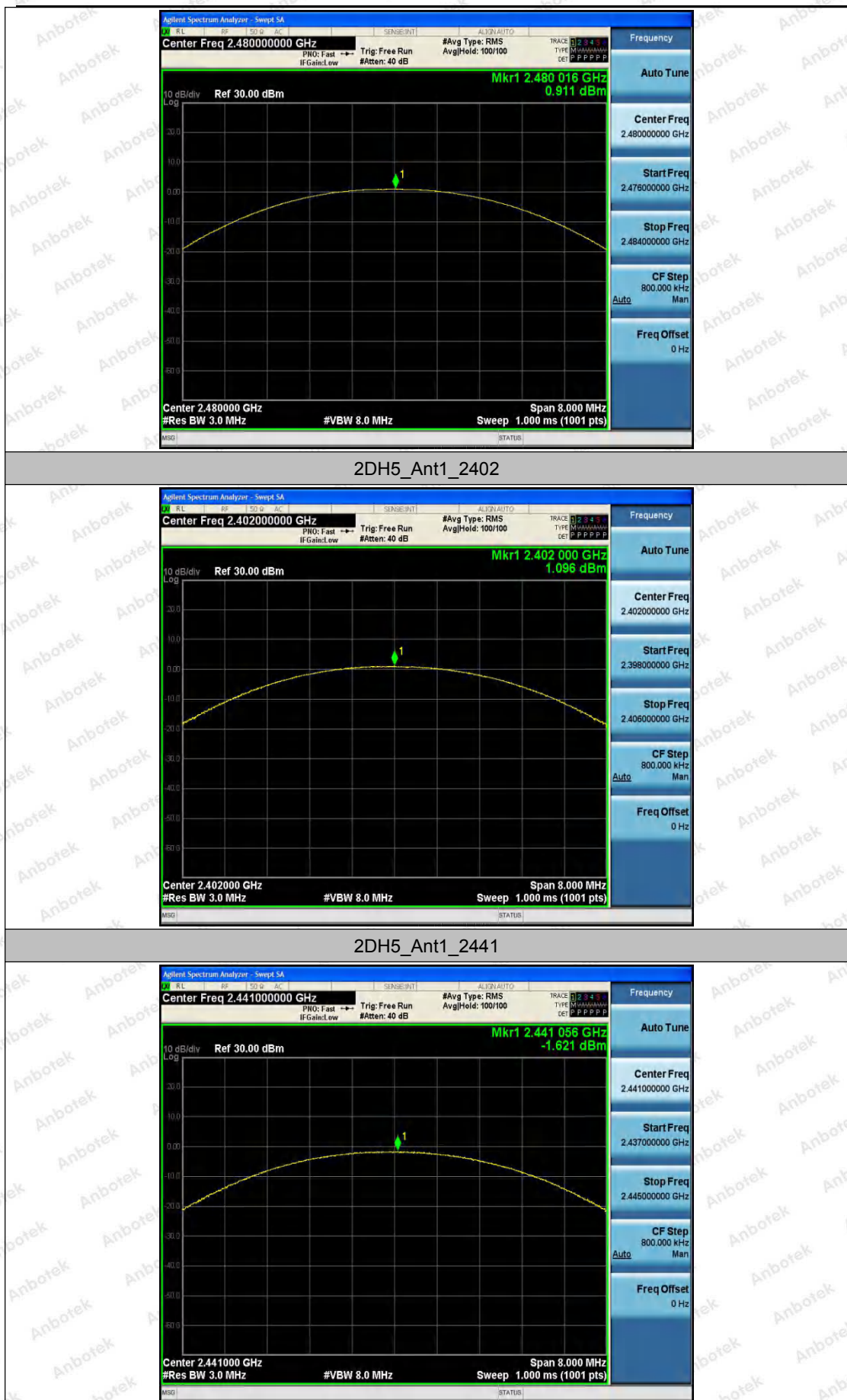


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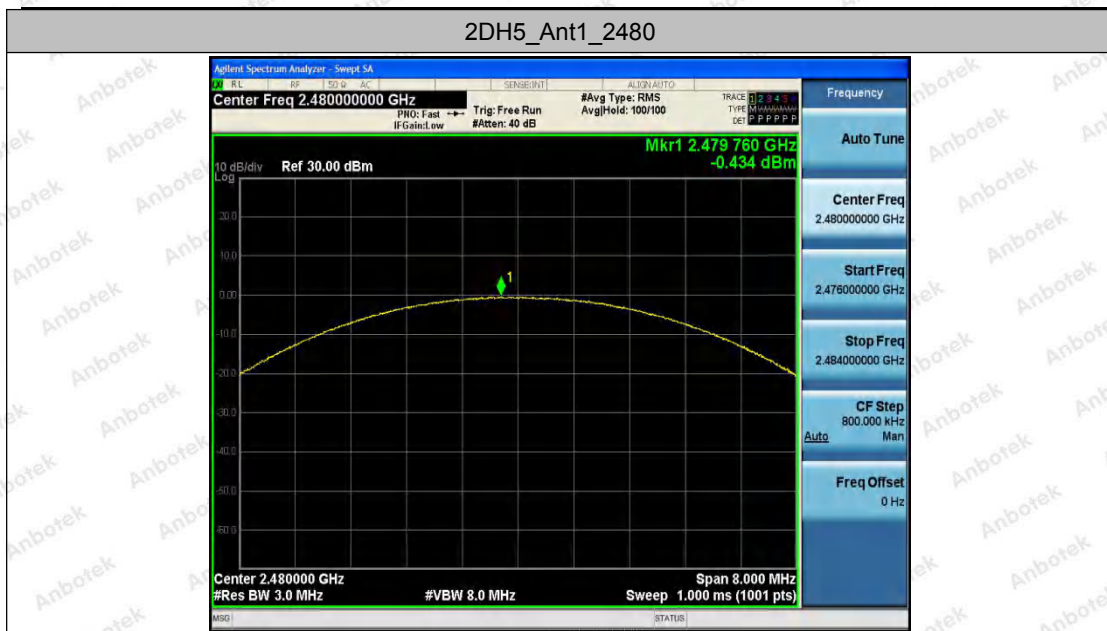


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.17	≥ 1.131	PASS
2DH5	Ant1	Hop	1.314	≥ 0.914	PASS

Test Graphs



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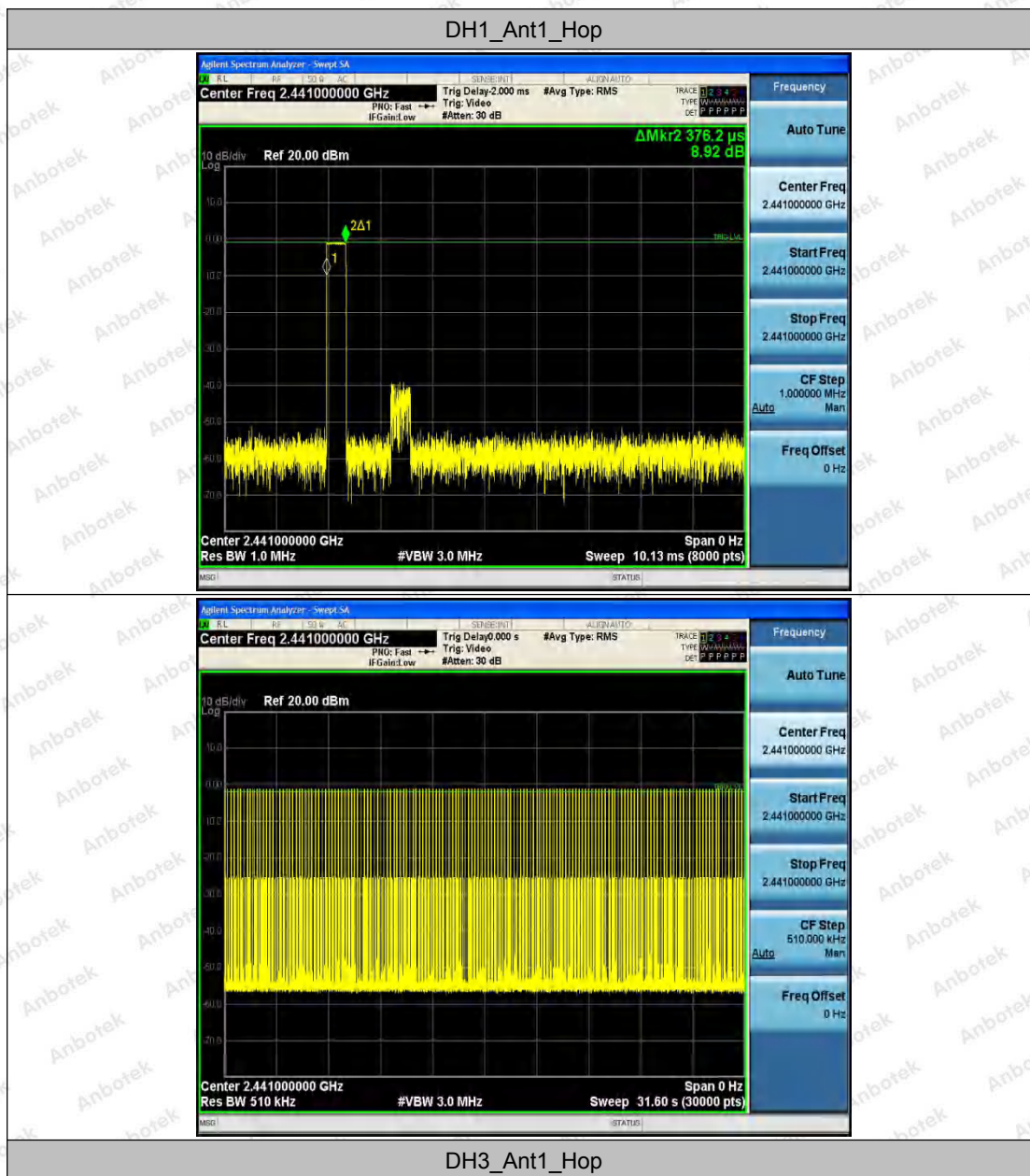
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	314	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.63	157	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.88	109	0.314	≤0.4	PASS
2DH1	Ant1	Hop	0.38	314	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.64	157	0.257	≤0.4	PASS
2DH5	Ant1	Hop	2.88	91	0.262	≤0.4	PASS

Test Graphs



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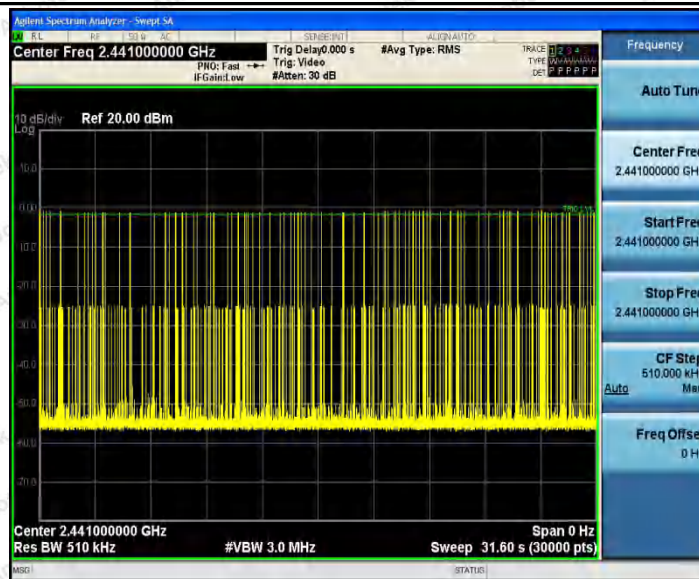
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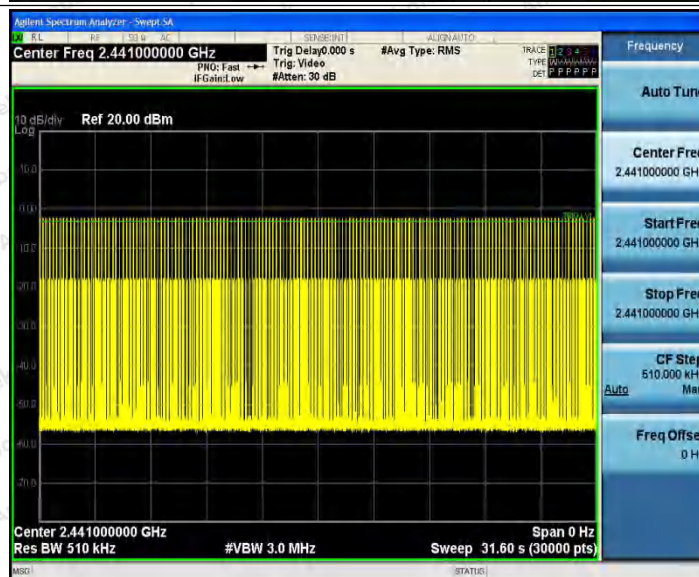
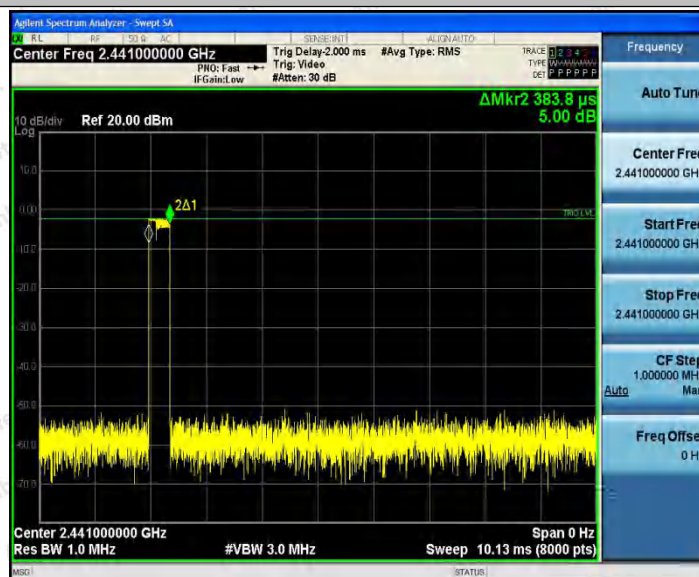
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DH5_Ant1_Hop



2DH1_Ant1_Hop



2DH3_Ant1_Hop

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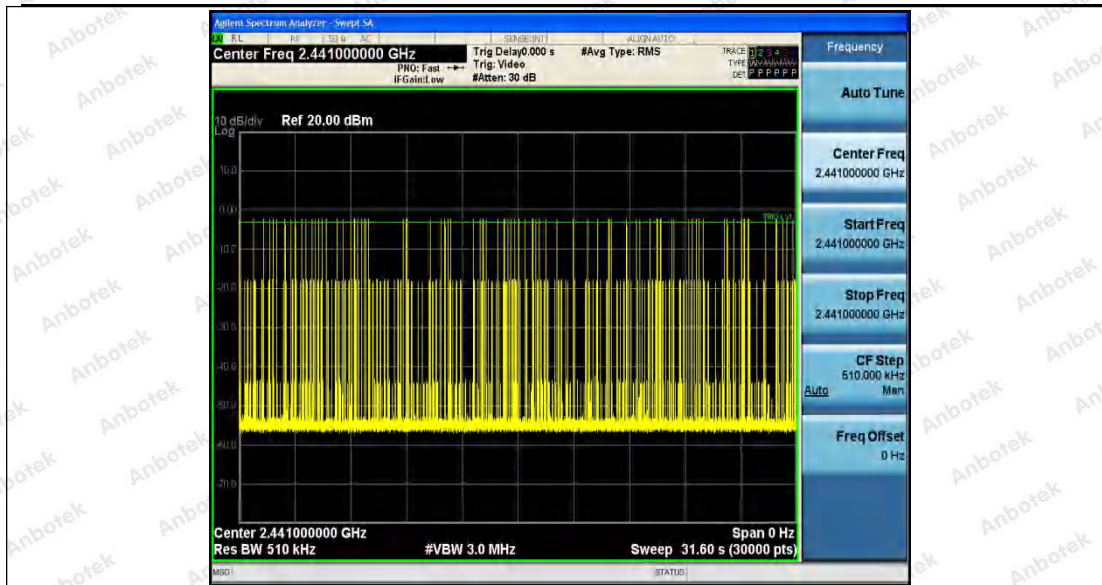


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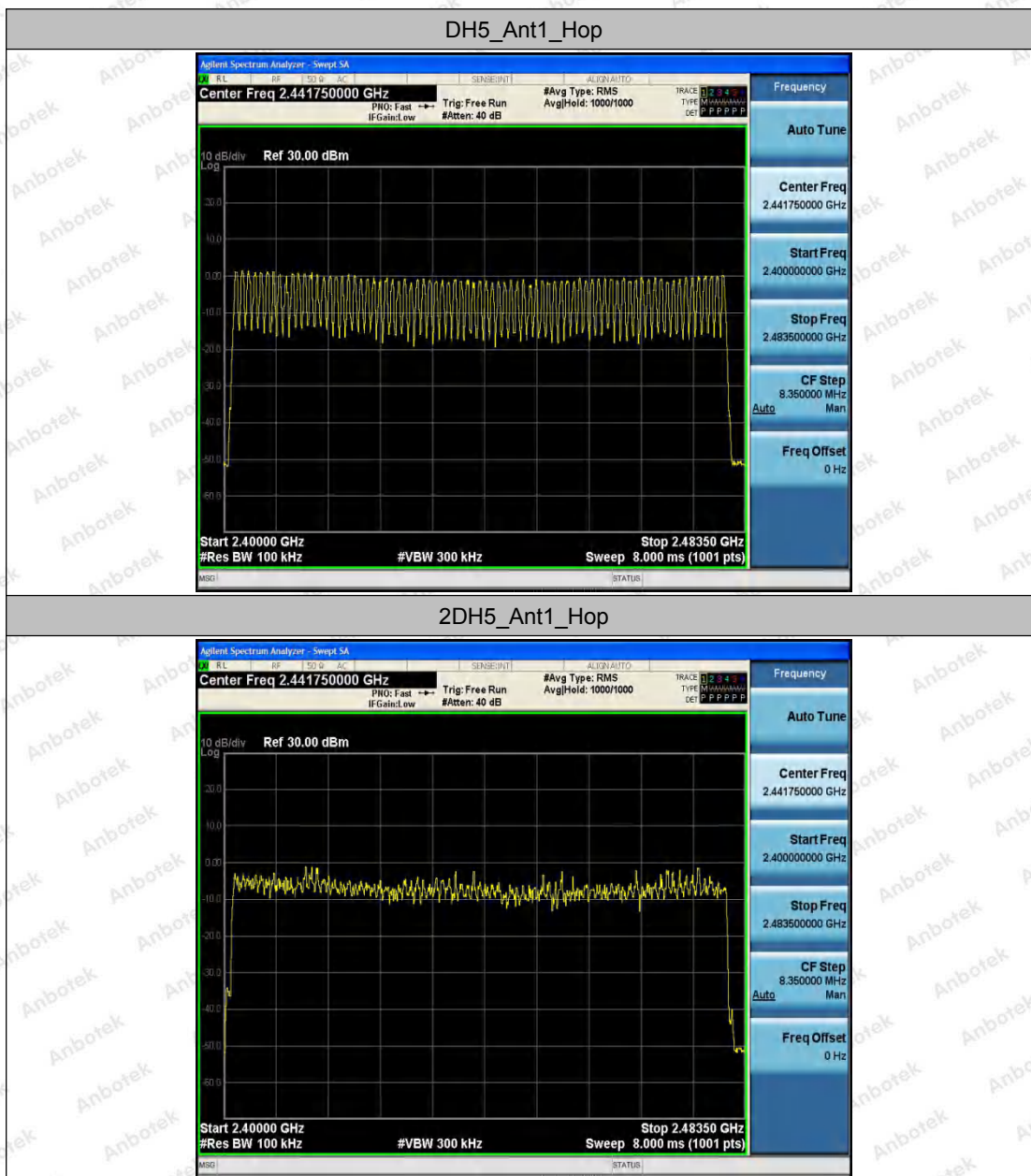
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Appendix F: Number of hopping channels

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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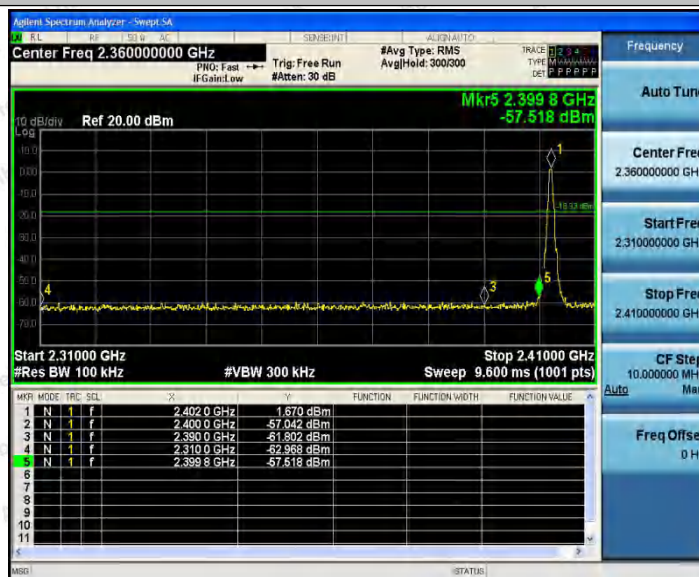
Appendix G: Band edge measurements

Test Result

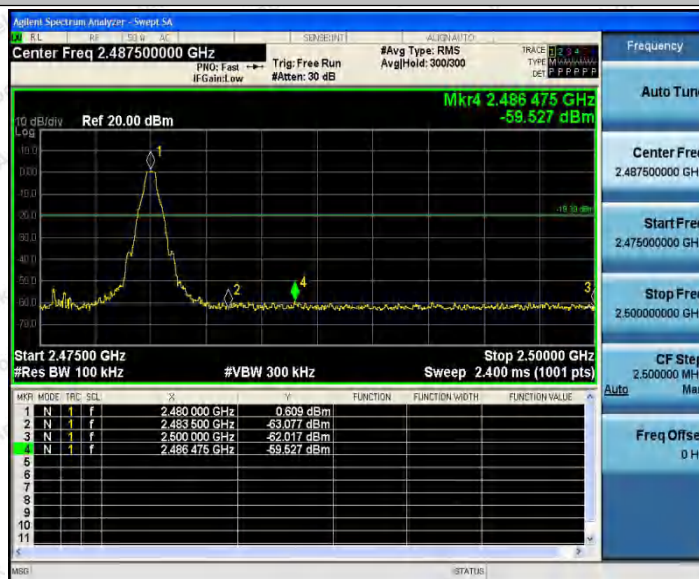
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.67	-57.52	≤-18.33	PASS
		High	2480	0.61	-59.53	≤-19.39	PASS
		Low	Hop	1.21	-59.95	≤-18.79	PASS
		High	Hop	-0.24	-62.85	≤-20.24	PASS
2DH5	Ant1	Low	2402	0.44	-56.13	≤-19.56	PASS
		High	2480	-1.68	-59.53	≤-21.68	PASS
		Low	Hop	-0.06	-45.93	≤-20.06	PASS
		High	Hop	-1.41	-59.82	≤-21.41	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop

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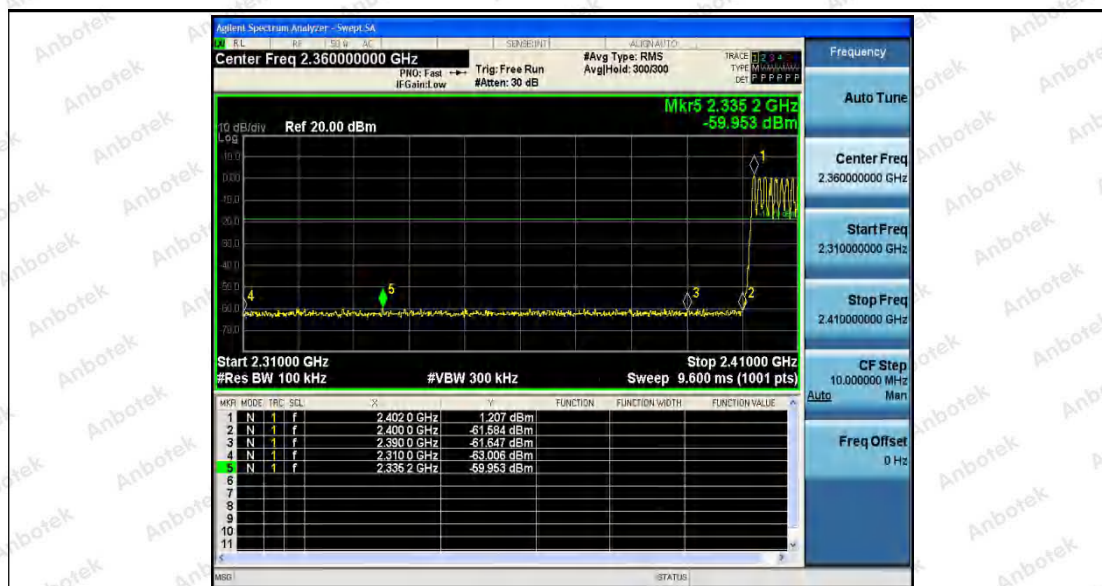
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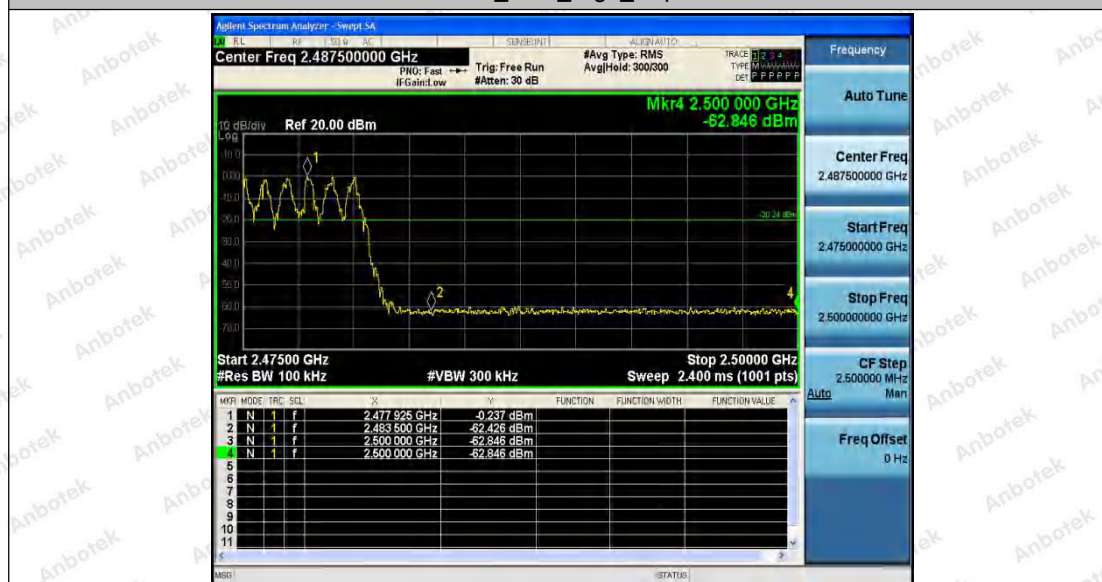
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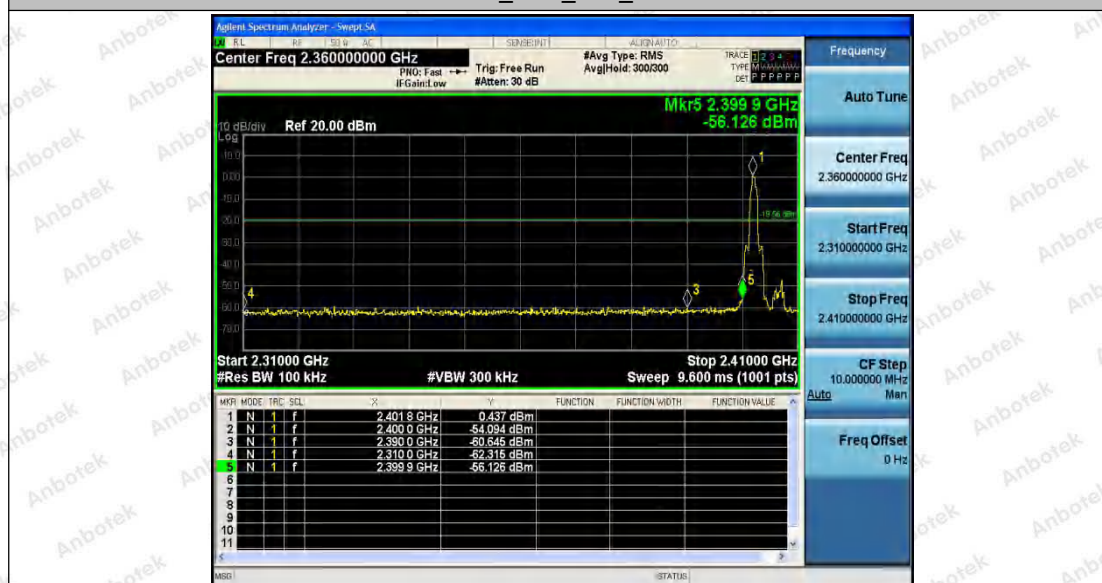
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DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



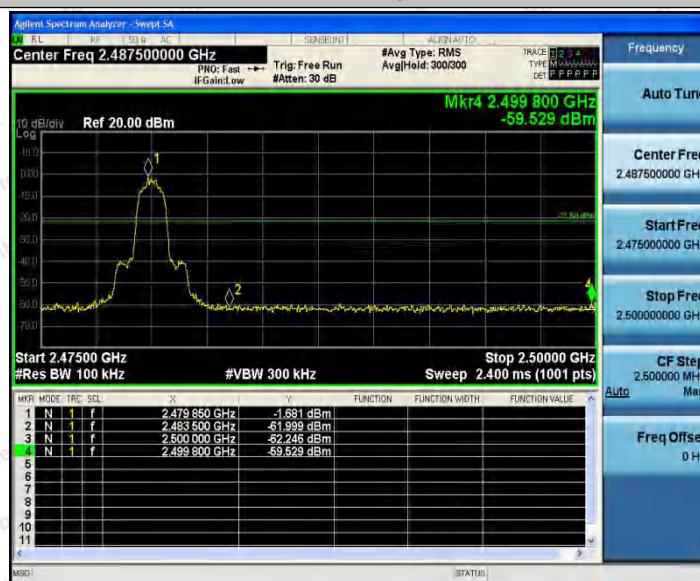
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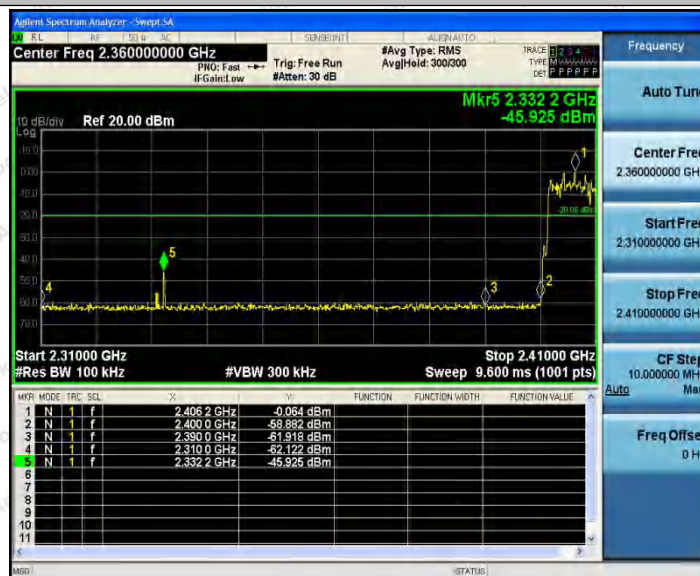
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



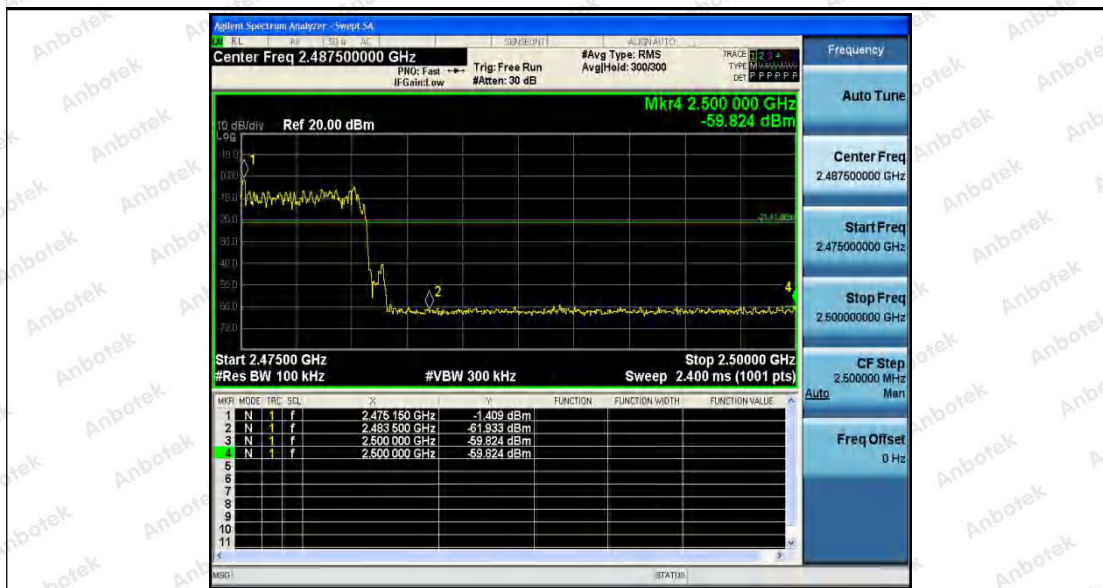
2DH5_Ant1_High_Hop

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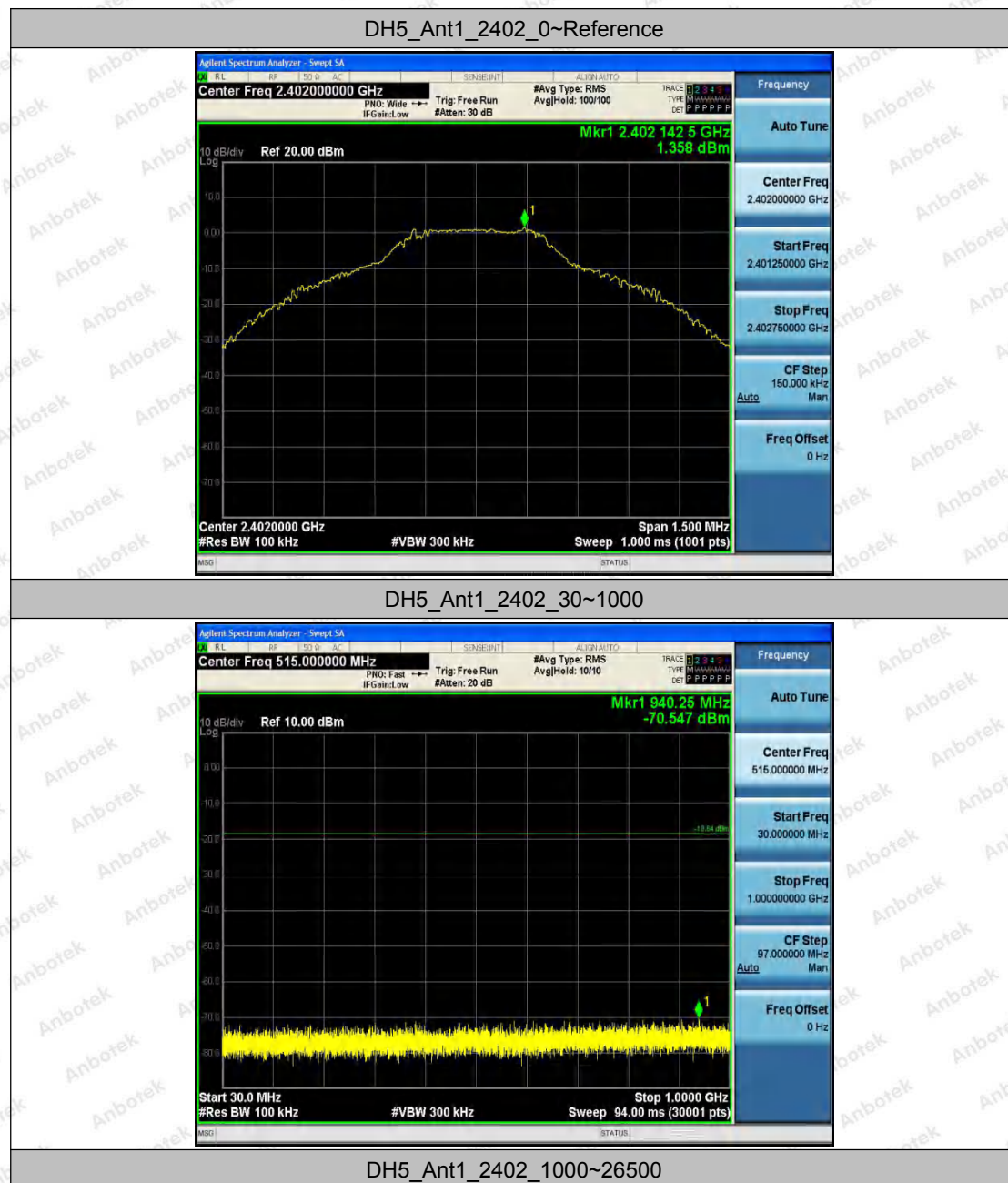
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-70.55	≤-18.64	PASS
			1000~26500	1.36	-39.49	≤-18.64	PASS
		2441	Reference	-1.06	-1.06	---	PASS
			30~1000	-1.06	-70.29	≤-21.06	PASS
			1000~26500	-1.06	-41.53	≤-21.06	PASS
		2480	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-70.19	≤-19.97	PASS
			1000~26500	0.03	-45.25	≤-19.97	PASS
2DH5	Ant1	2402	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-70.54	≤-20.1	PASS
			1000~26500	-0.10	-46.53	≤-20.1	PASS
		2441	Reference	-2.85	-2.85	---	PASS
			30~1000	-2.85	-70.3	≤-22.85	PASS
			1000~26500	-2.85	-47.11	≤-22.85	PASS
		2480	Reference	-1.95	-1.95	---	PASS
			30~1000	-1.95	-70.35	≤-21.95	PASS
			1000~26500	-1.95	-50.06	≤-21.95	PASS

Test Graphs

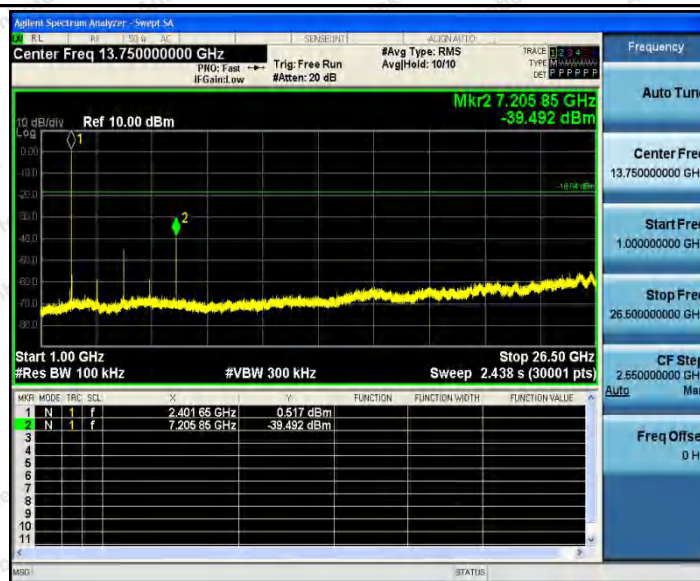


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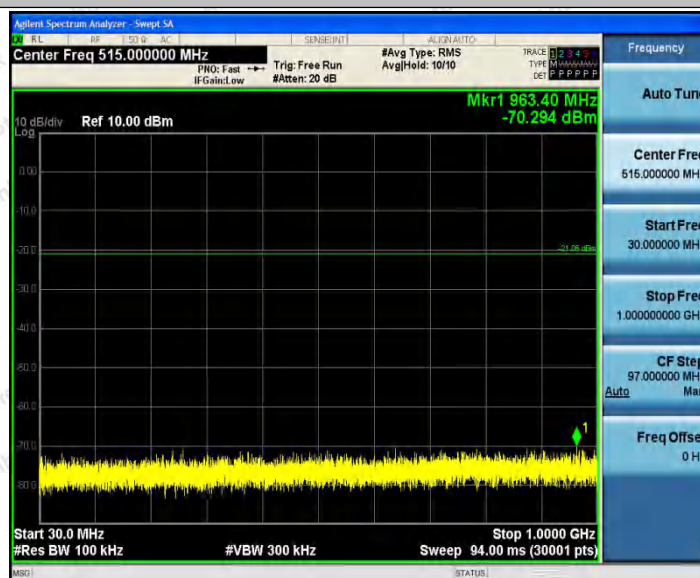
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



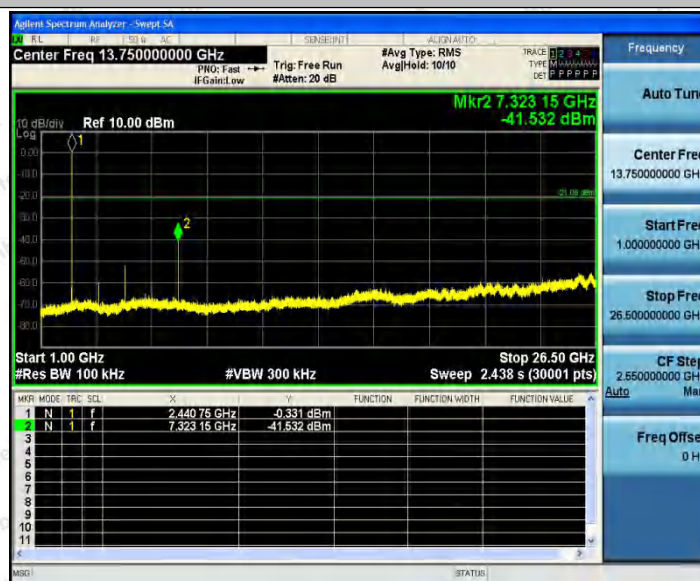
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



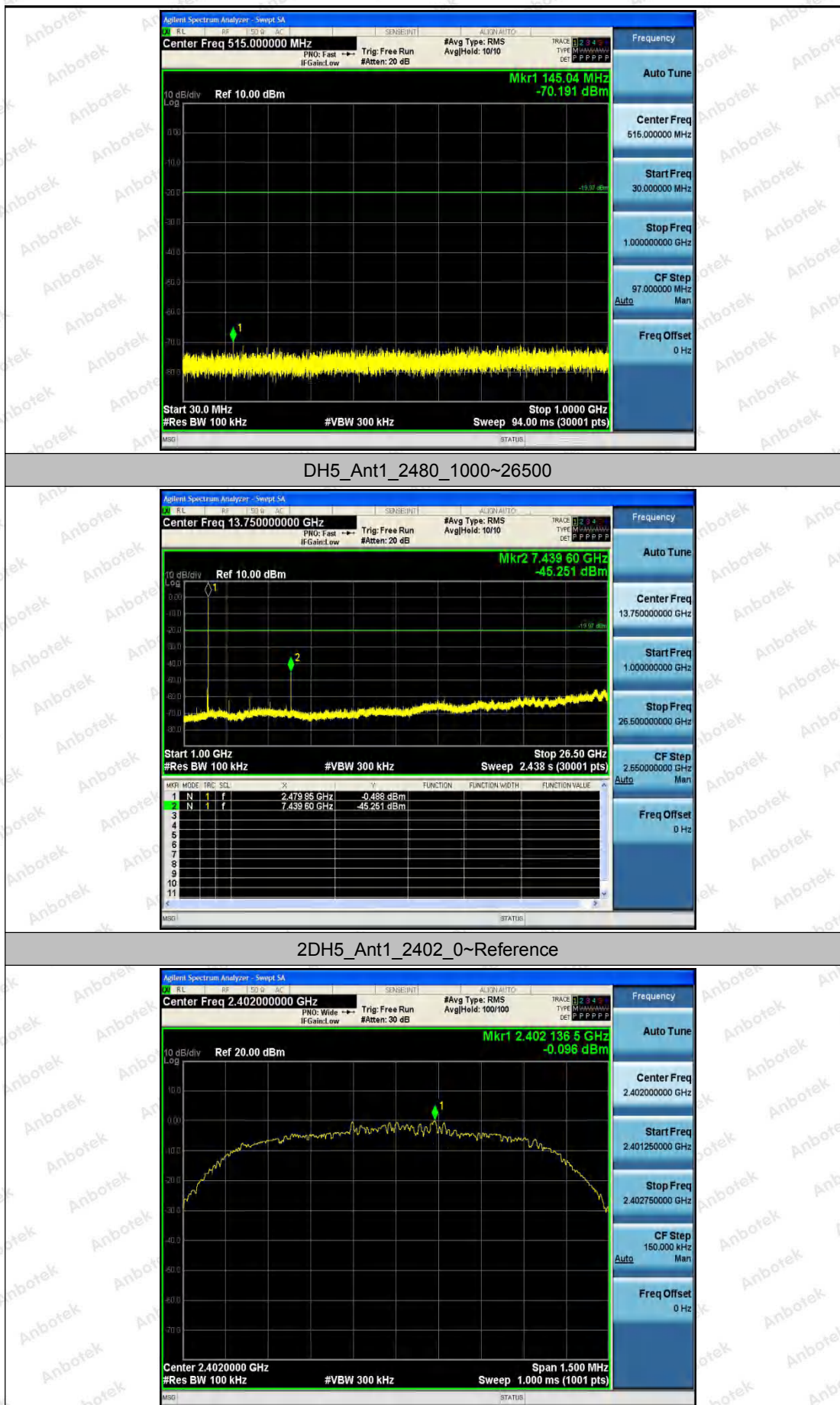
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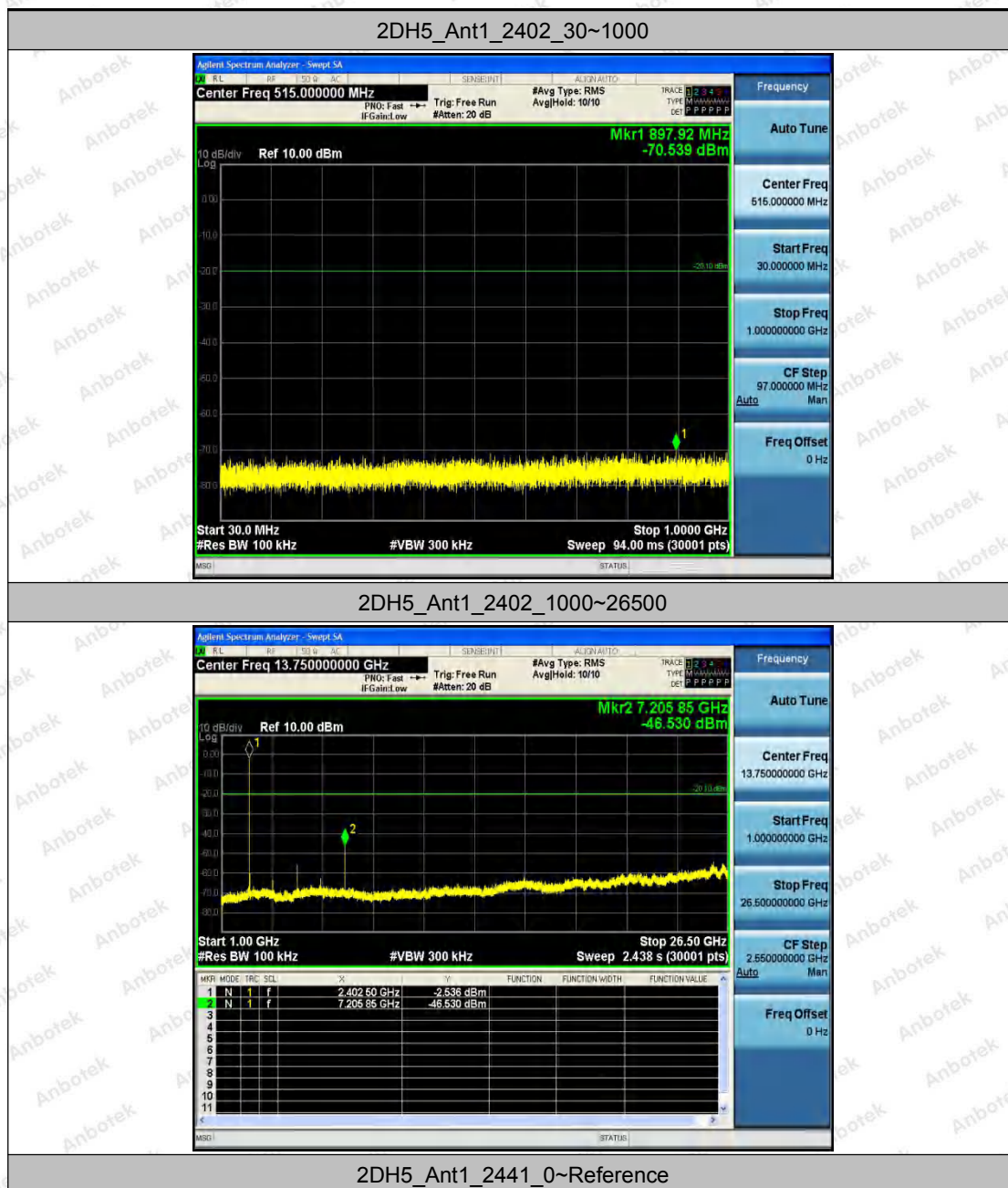


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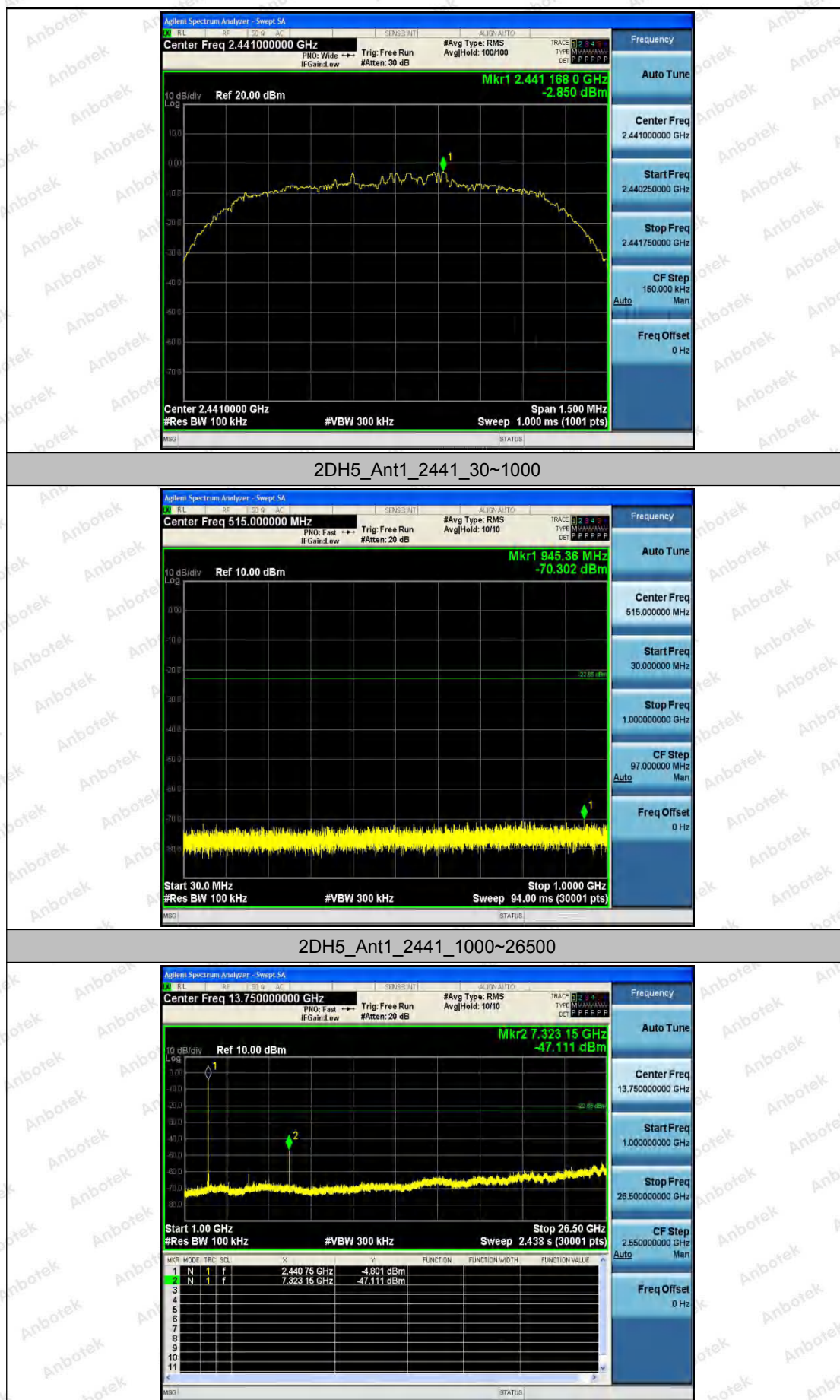


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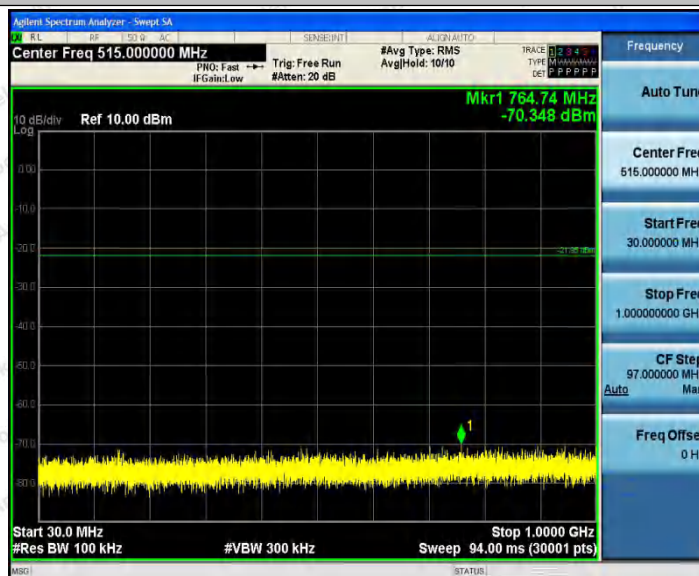
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



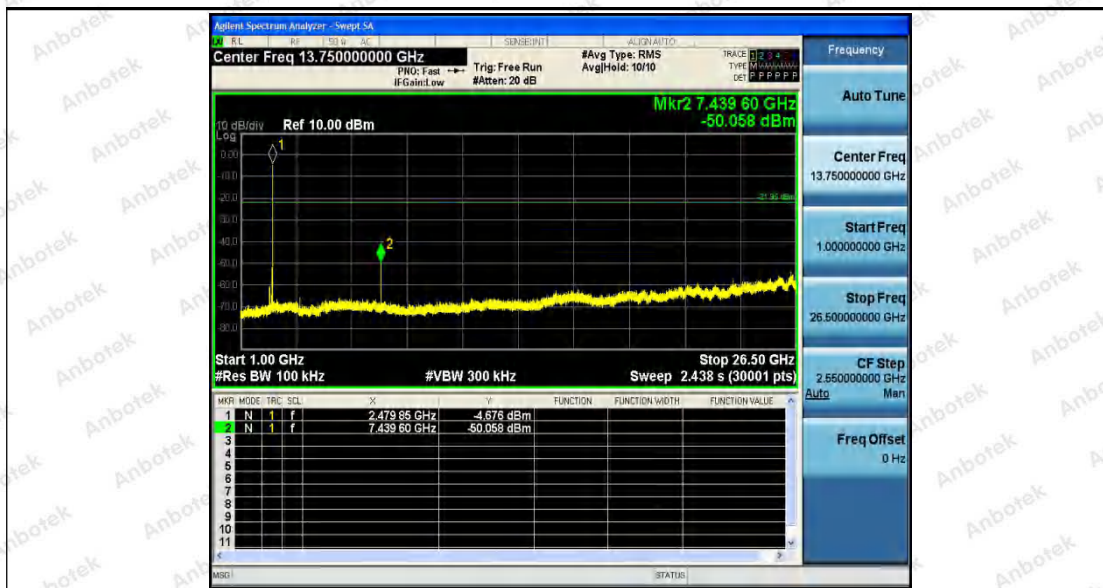
2DH5_Ant1_2480_1000~26500

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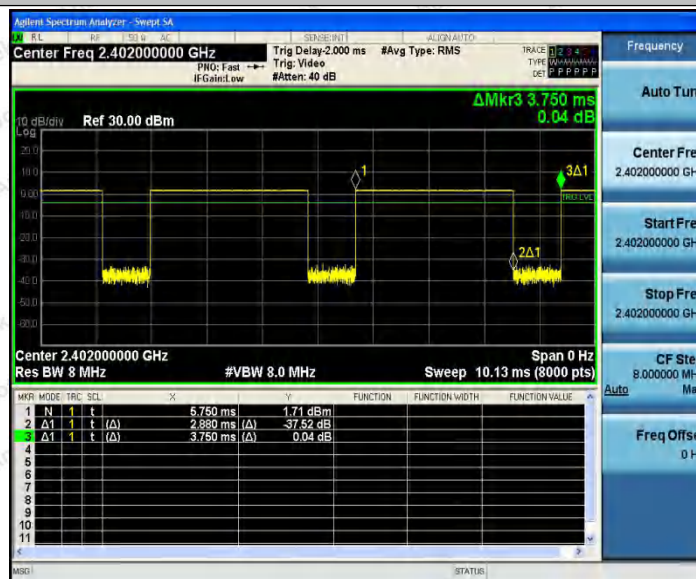
Appendix I: Duty Cycle

Test Result

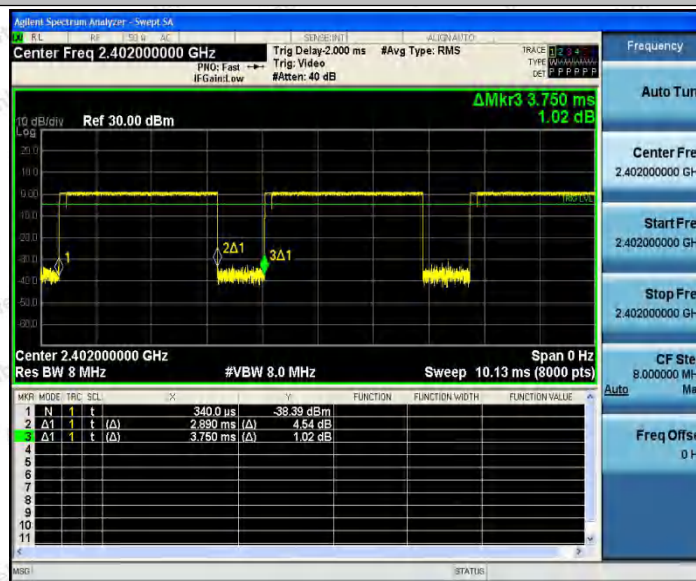
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.88	3.75	0.768 0	76.80	1.15	---	PASS
2DH5	Ant1	2402	2.89	3.75	0.770 7	77.07	1.13	---	PASS

Test Graphs

DH5_Ant1_2402



2DH5_Ant1_2402



---End---