

Appendix Test Data

Report No.:	18220WC10223001	Test Date:	2021.10.14
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	0.891	2401.433	2402.324	---	PASS
		2441	0.891	2440.433	2441.324	---	PASS
		2480	0.894	2479.430	2480.324	---	PASS
2DH5	Ant1	2402	1.278	2401.238	2402.516	---	PASS
		2441	1.344	2440.223	2441.567	---	PASS
		2480	1.287	2479.232	2480.519	---	PASS

Test Graphs



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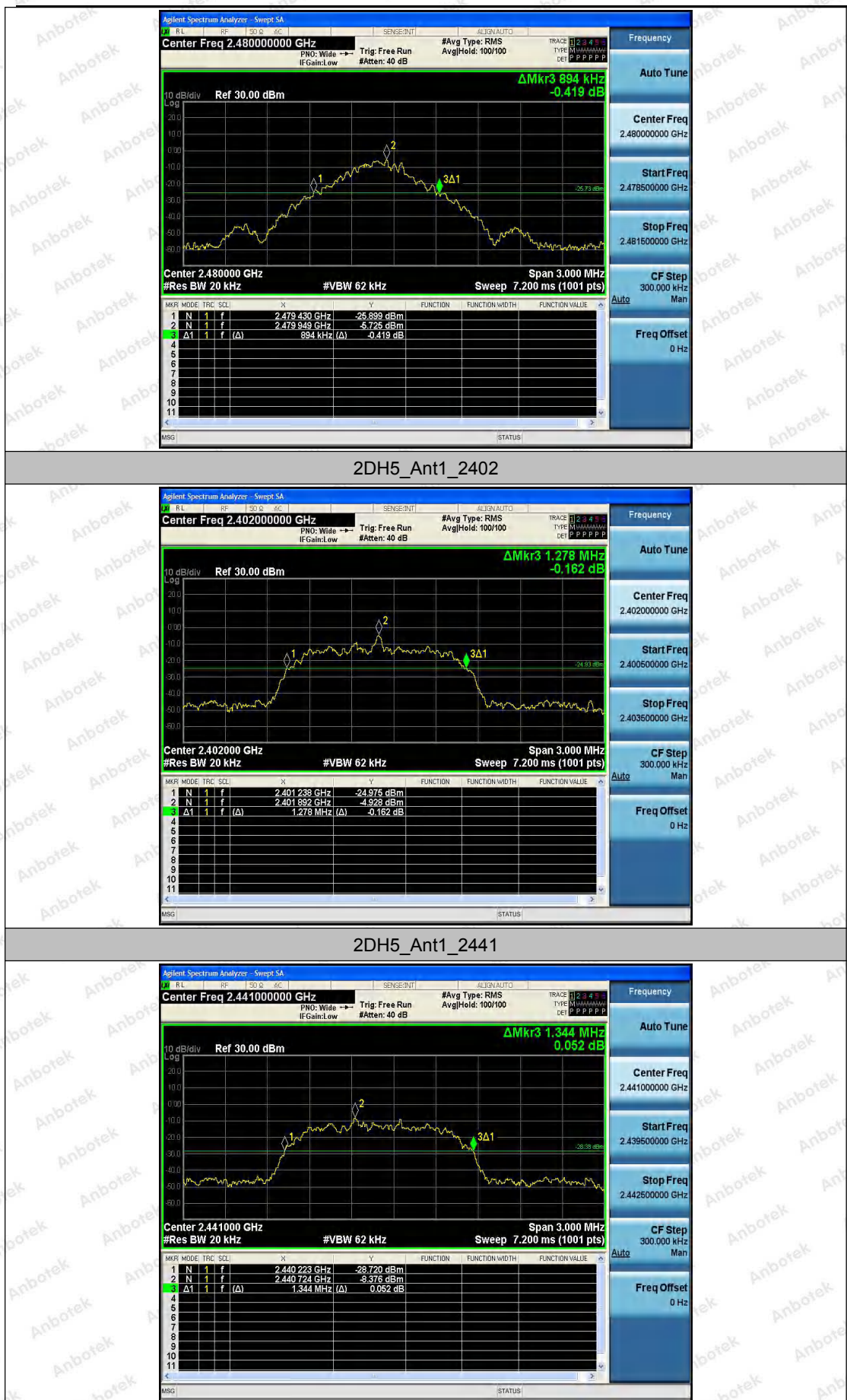
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



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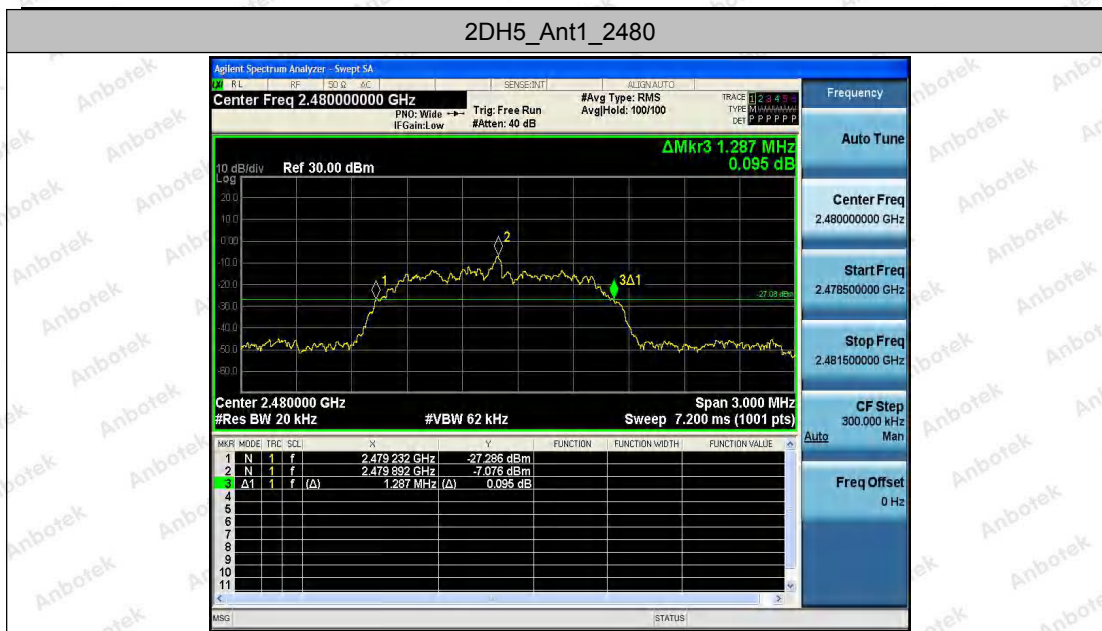


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.83713	2401.46 6	2402.303	---	PASS
		2441	0.84129	2440.46 1	2441.302	---	PASS
		2480	0.84153	2479.46 1	2480.302	---	PASS
2DH5	Ant1	2402	1.1952	2401.29 3	2402.488	---	PASS
		2441	1.2076	2440.28 3	2441.491	---	PASS
		2480	1.2007	2479.28 7	2480.487	---	PASS

Test Graphs

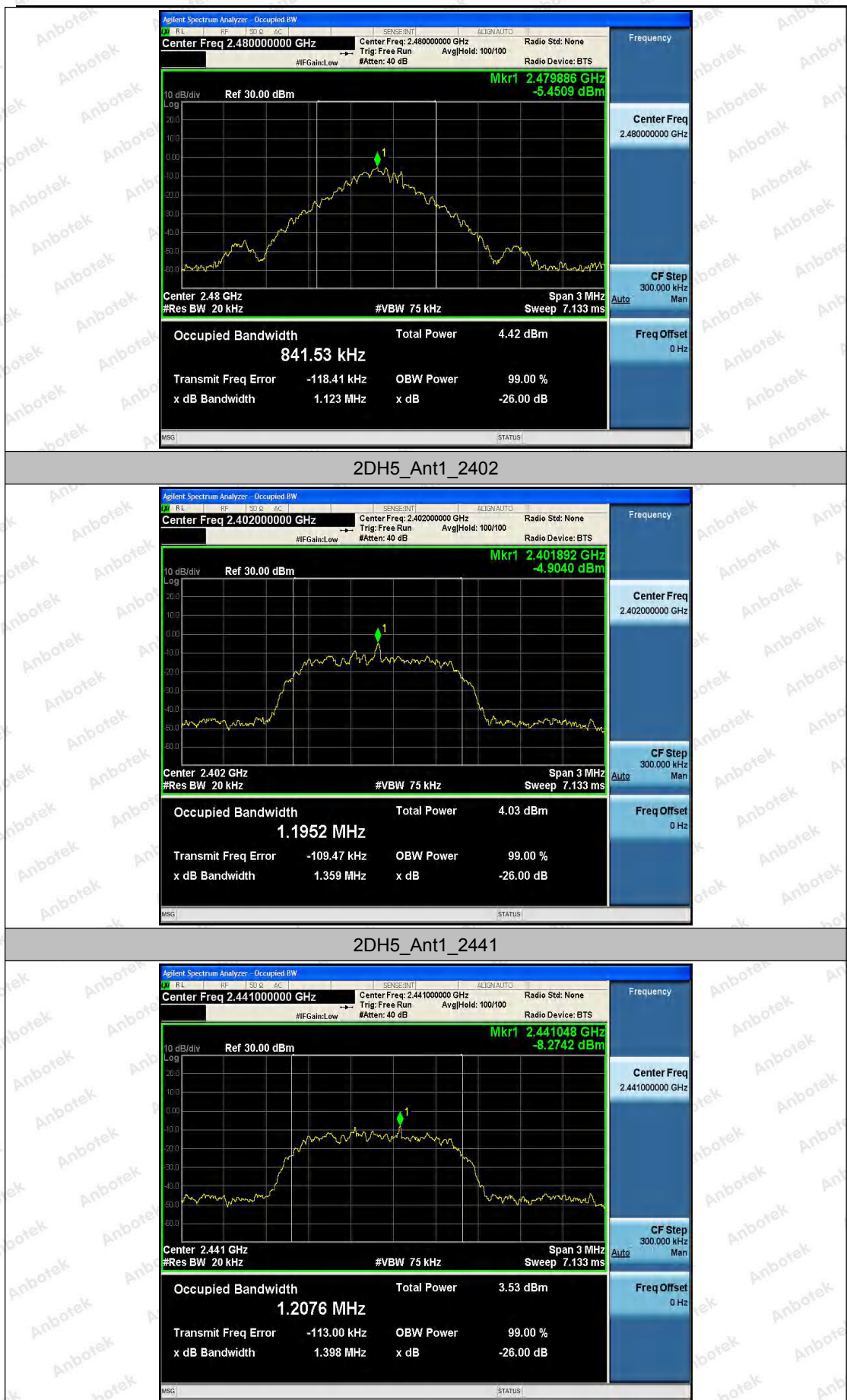


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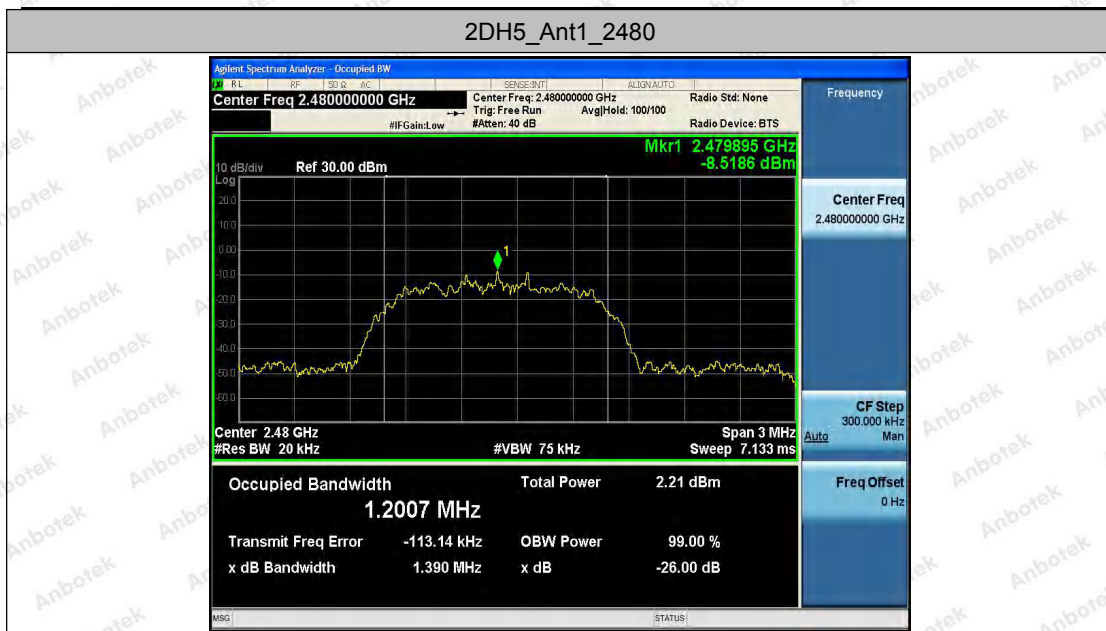


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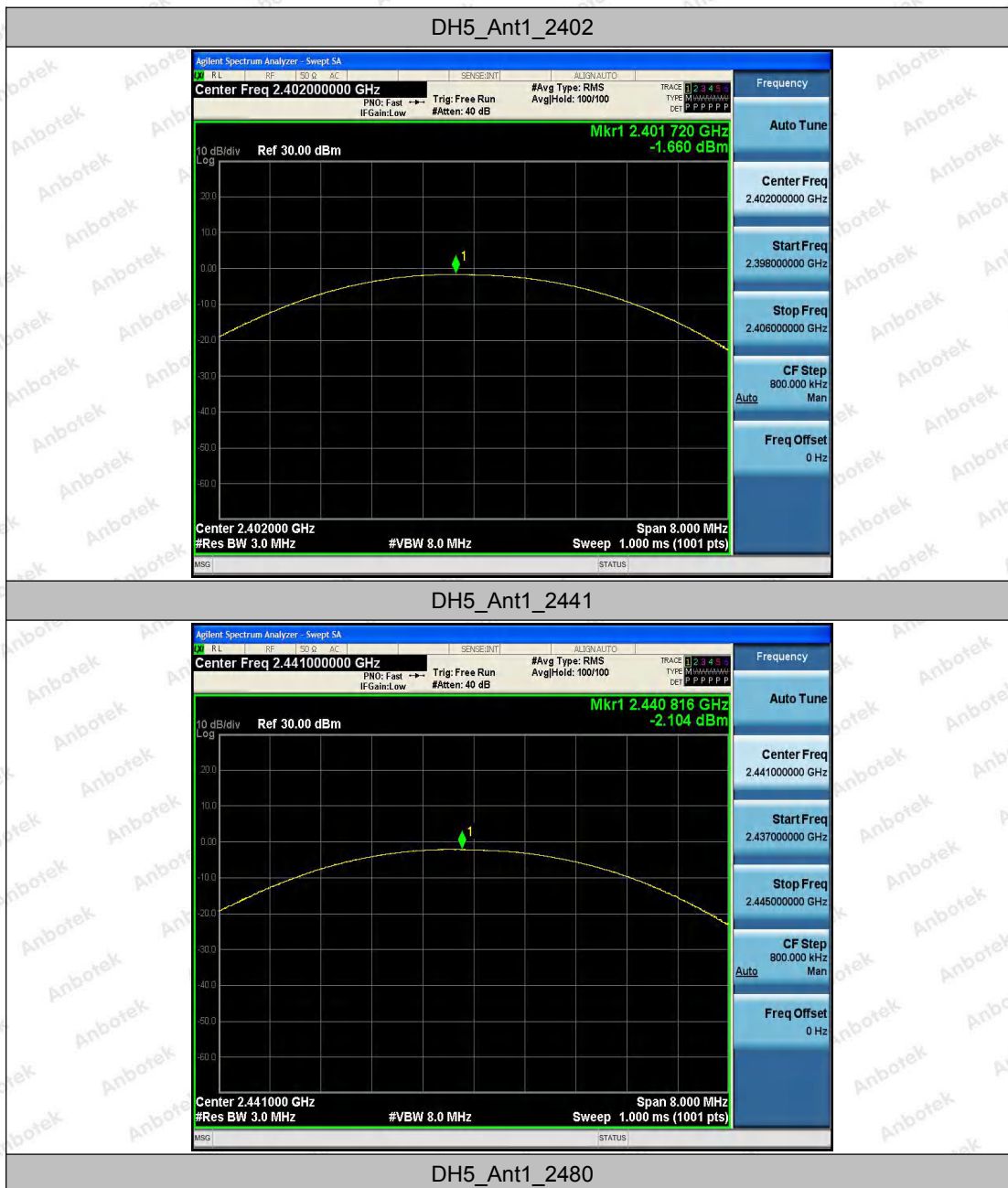
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.66	≤20.97	PASS
		2441	-2.1	≤20.97	PASS
		2480	-2.03	≤20.97	PASS
2DH5	Ant1	2402	-1.21	≤20.97	PASS
		2441	-1.15	≤20.97	PASS
		2480	-2.71	≤20.97	PASS

Test Graphs

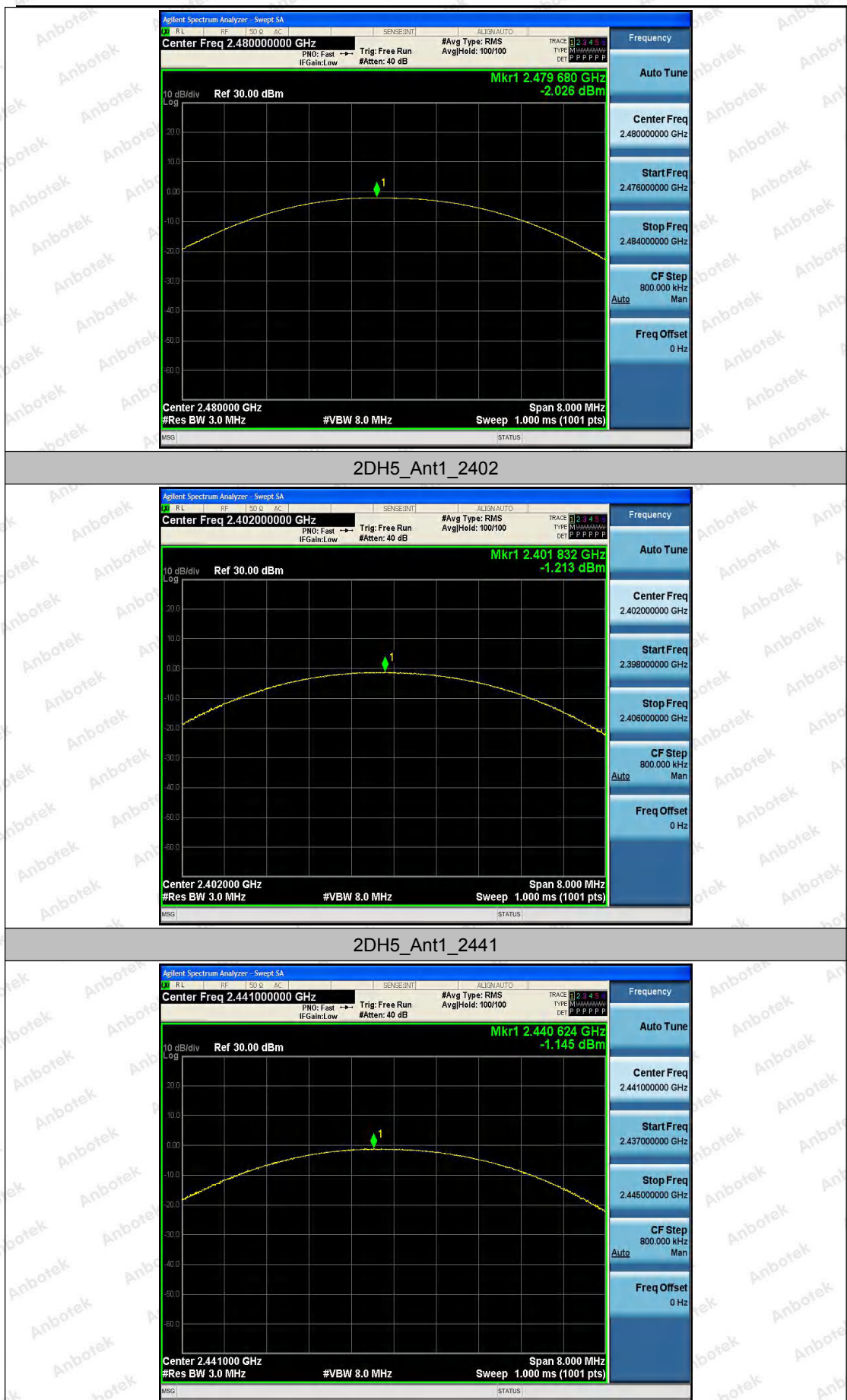


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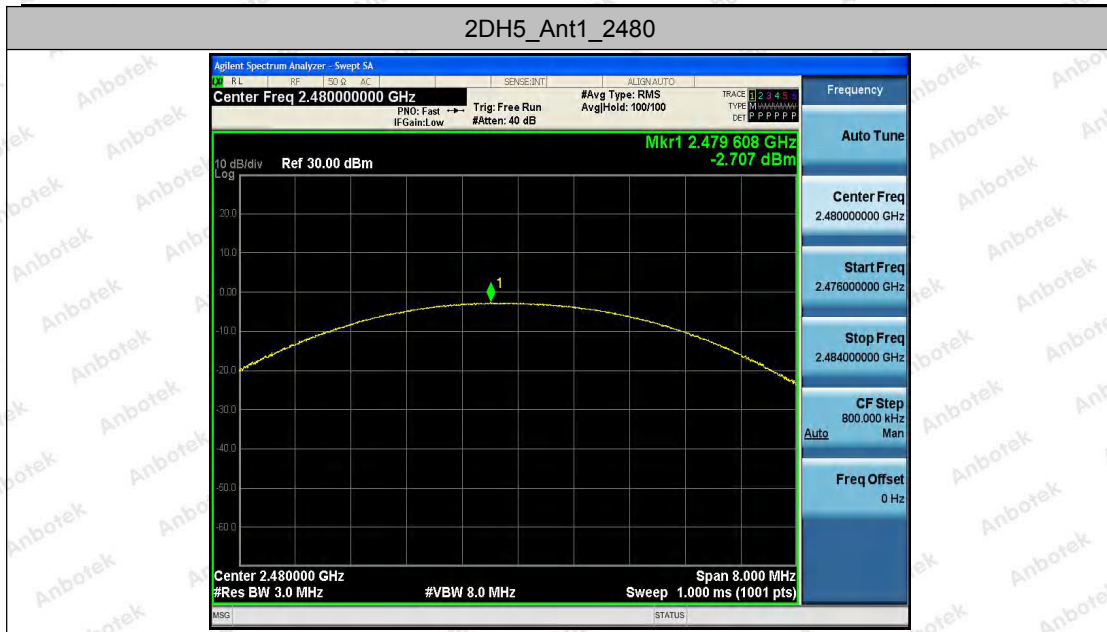
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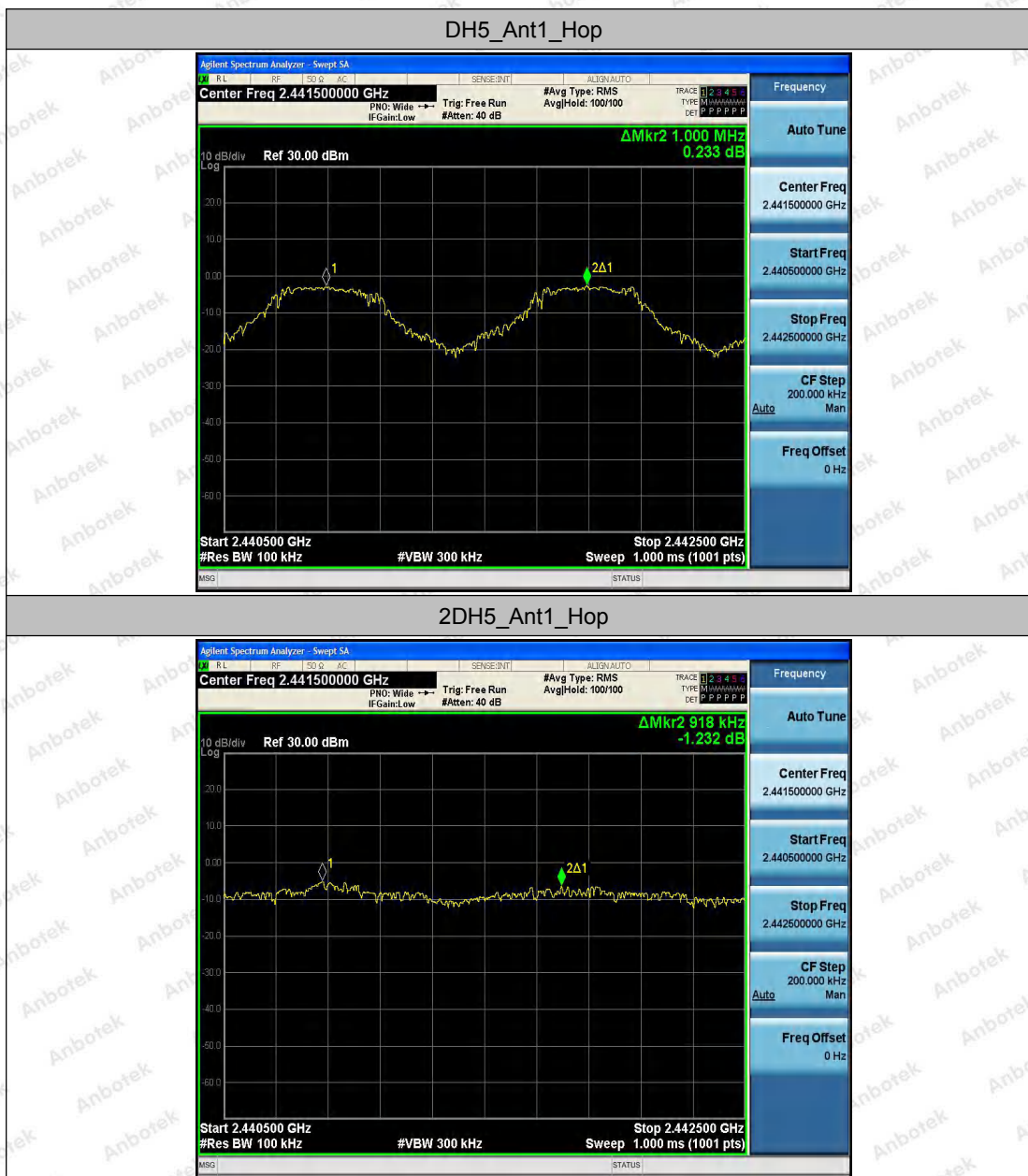
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.894	PASS
2DH5	Ant1	Hop	0.918	≥ 0.896	PASS

Test Graphs



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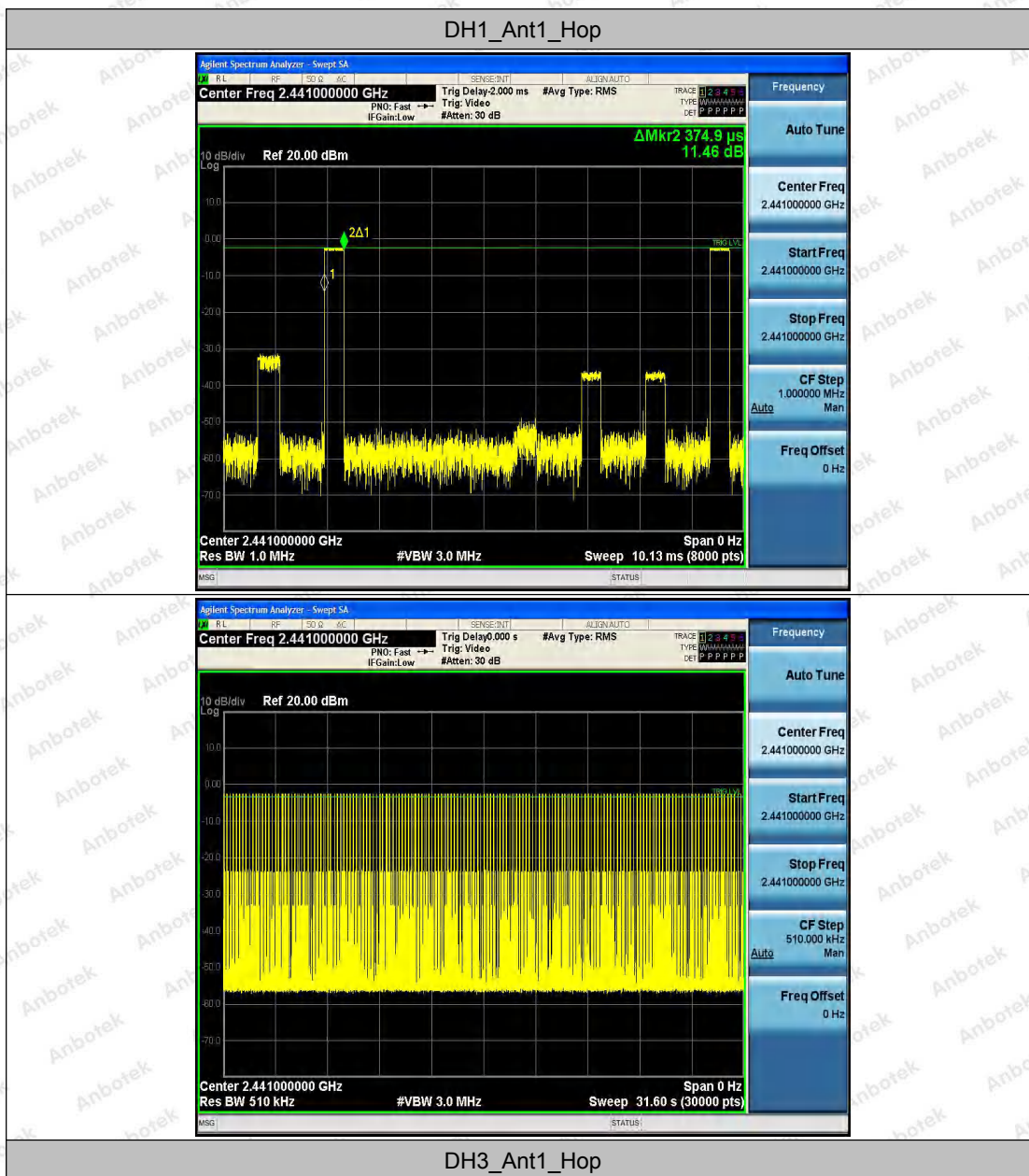
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.63	165	0.269	≤0.4	PASS
DH5	Ant1	Hop	2.88	106	0.305	≤0.4	PASS
2DH1	Ant1	Hop	0.39	318	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.64	158	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.88	104	0.3	≤0.4	PASS

Test Graphs



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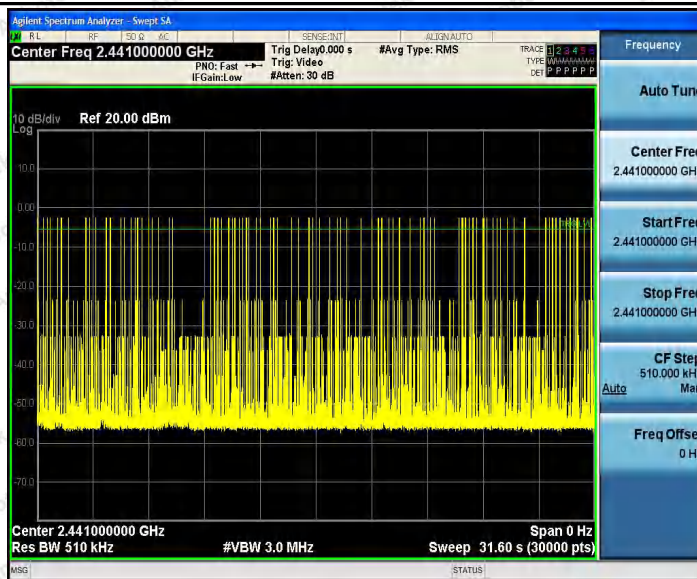


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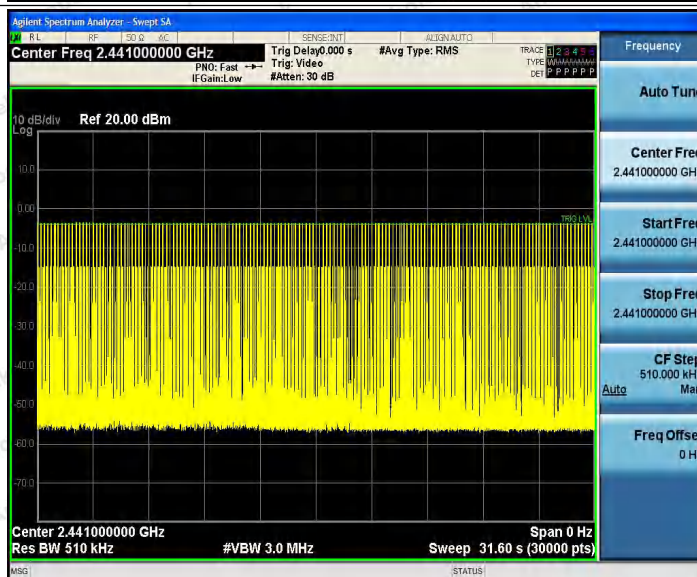
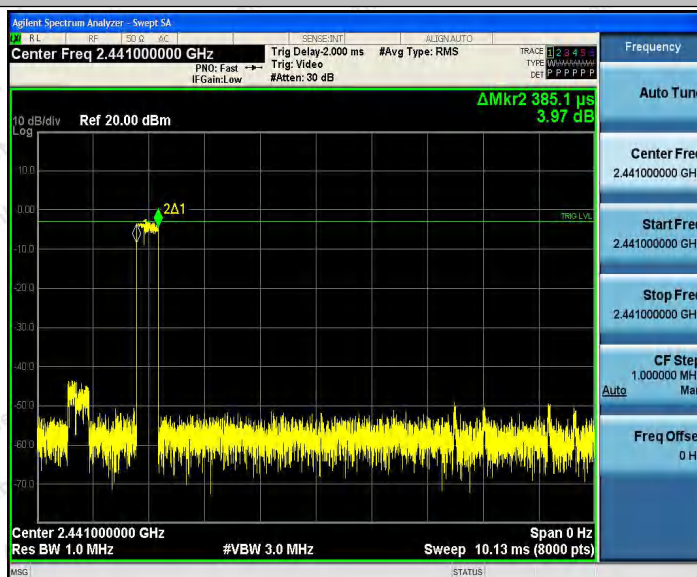
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2DH1_Ant1_Hop



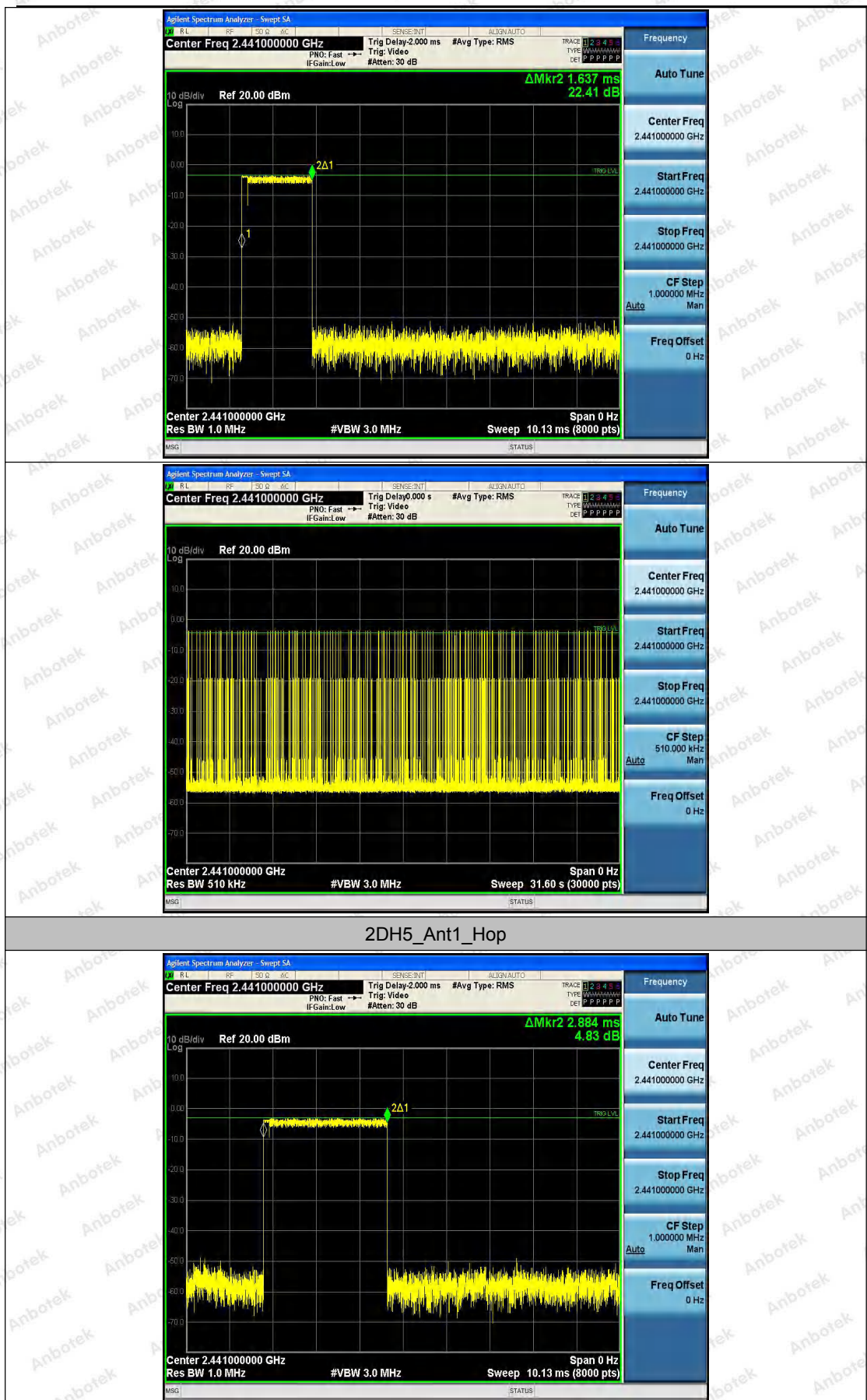
2DH3_Ant1_Hop

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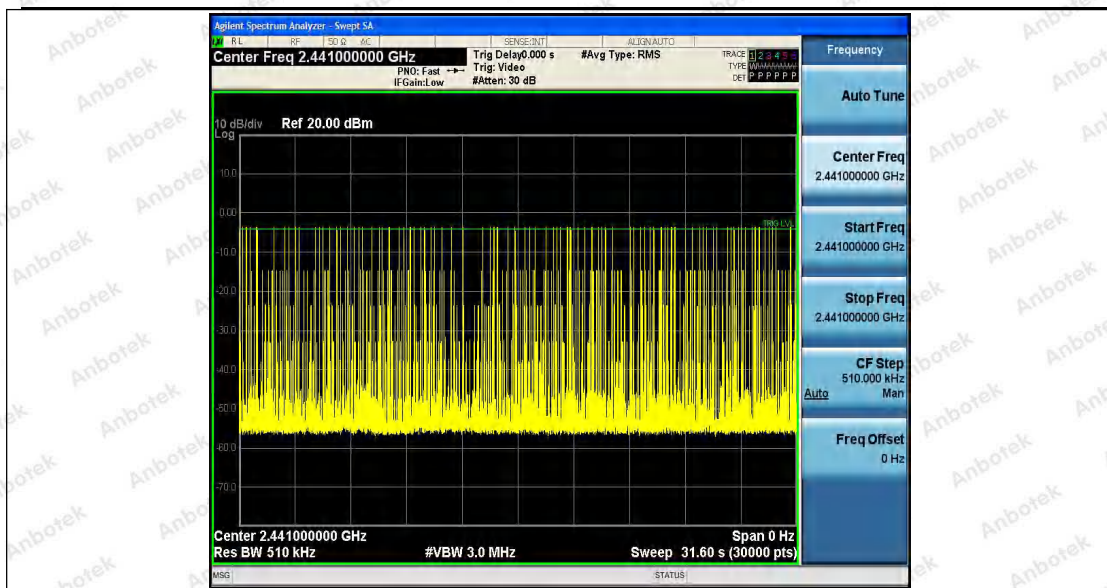
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2DH5_Ant1_Hop



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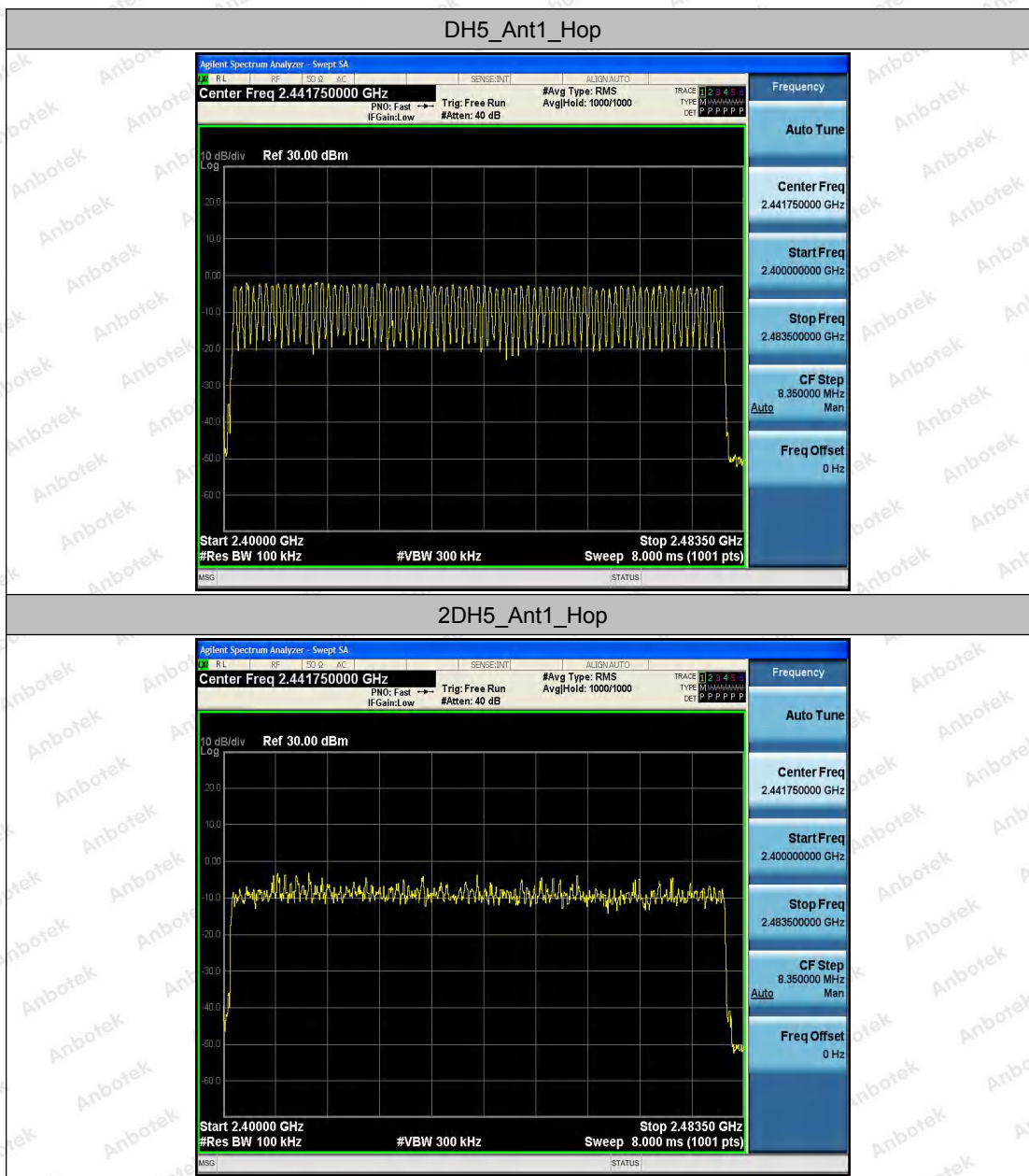
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Appendix F: Number of hopping channels

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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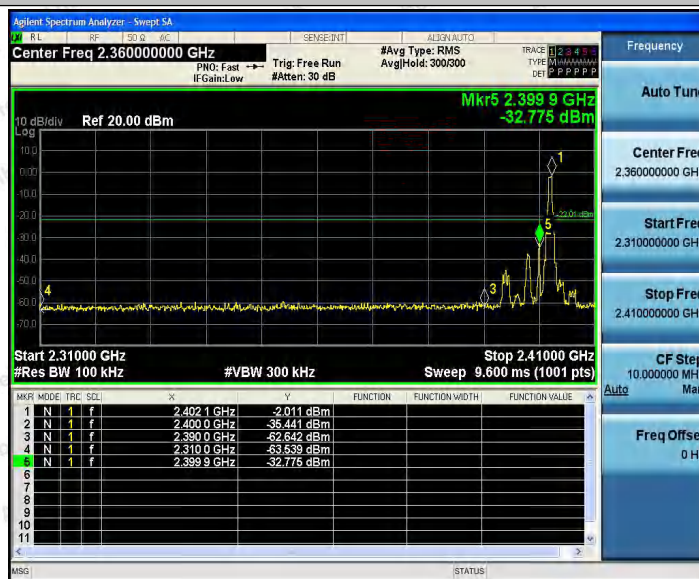
Appendix G: Band edge measurements

Test Result

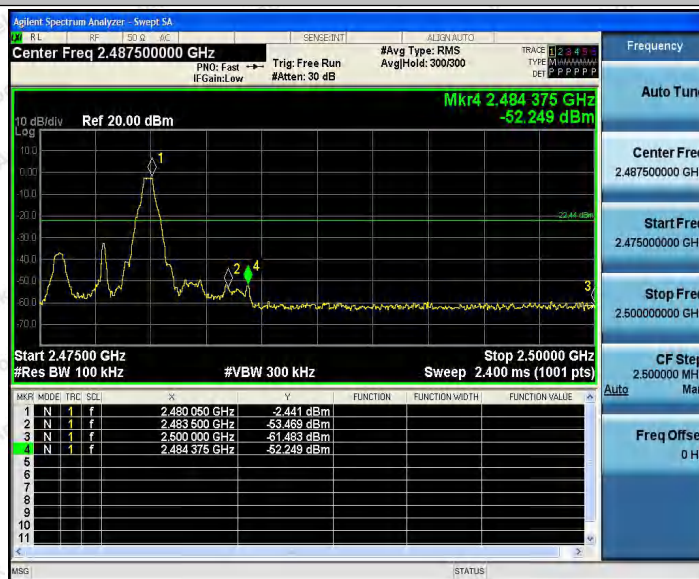
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.01	-32.78	≤-22.01	PASS
		High	2480	-2.44	-52.25	≤-22.44	PASS
		Low	Hop	-2.27	-57.99	≤-22.27	PASS
		High	Hop	-2.83	-62.33	≤-22.83	PASS
2DH5	Ant1	Low	2402	-2.21	-33.1	≤-22.21	PASS
		High	2480	-3.59	-55.2	≤-23.59	PASS
		Low	Hop	-4.58	-59.84	≤-24.58	PASS
		High	Hop	-4.64	-62.3	≤-24.64	PASS

Test Graphs

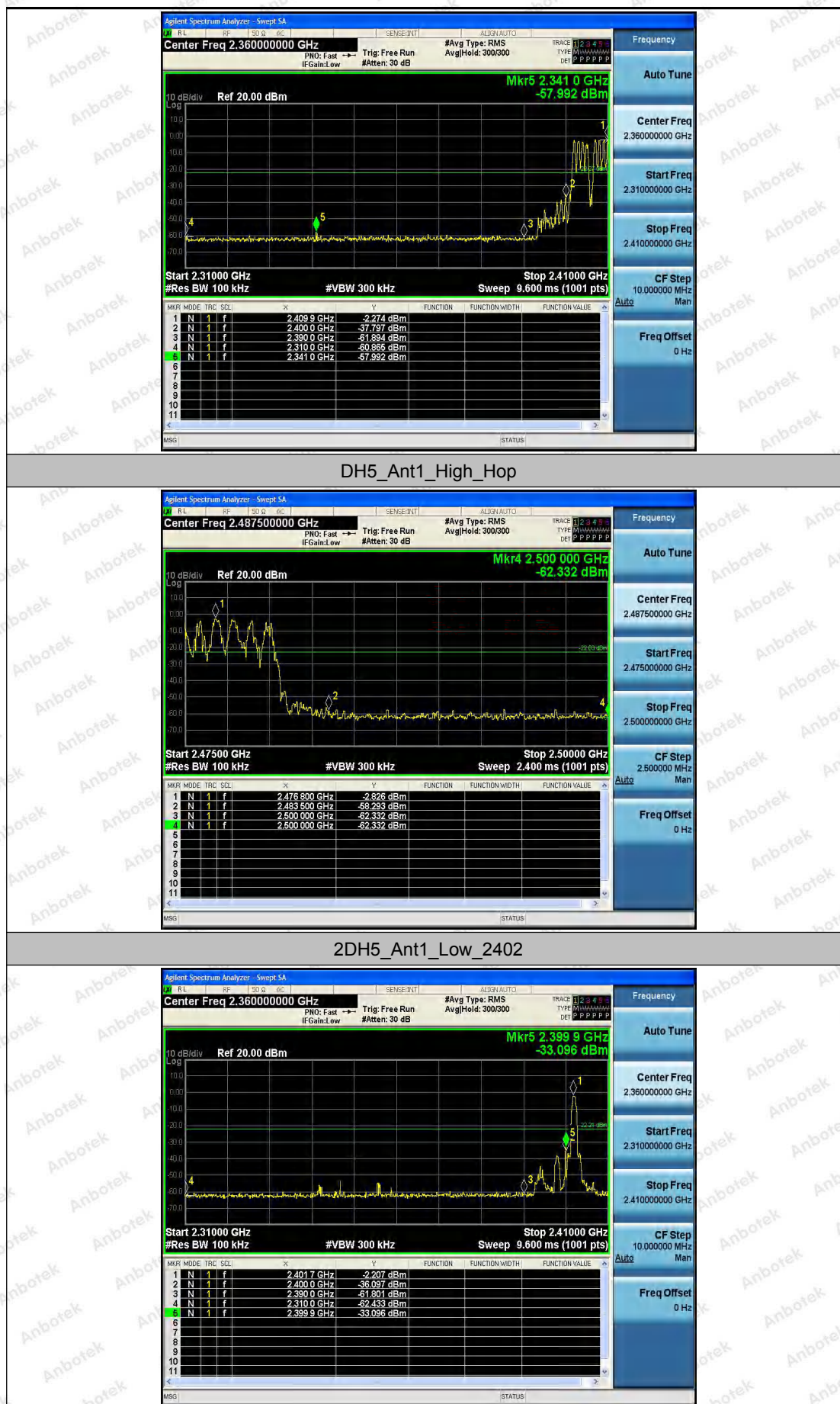
DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop



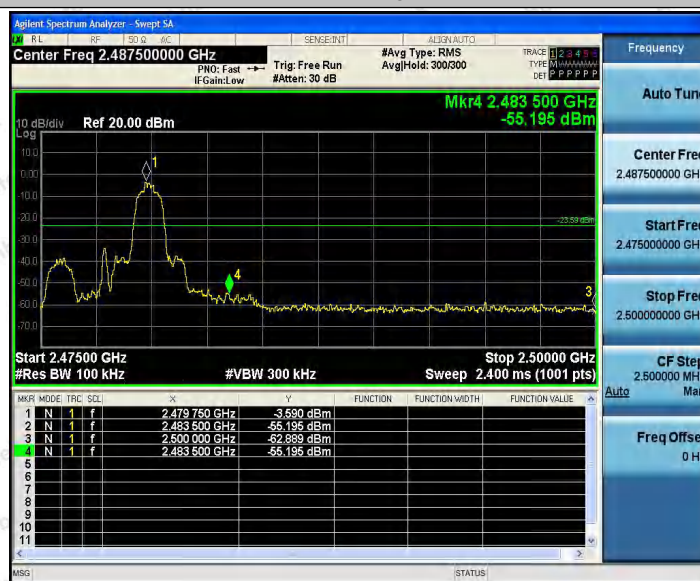
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



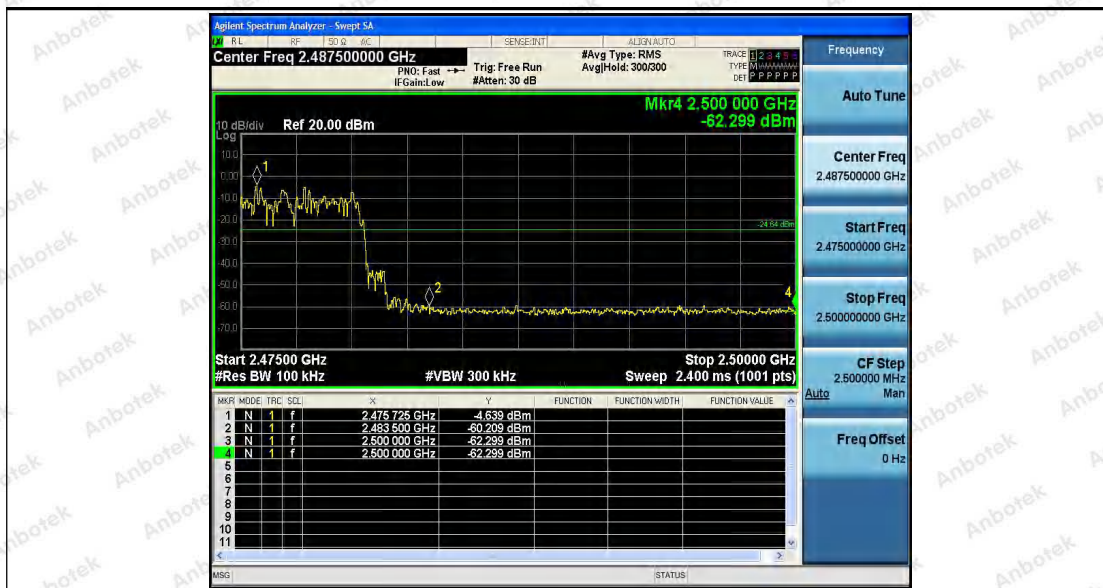
2DH5_Ant1_High_Hop

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Appendix H: Conducted Spurious Emission

Test Result

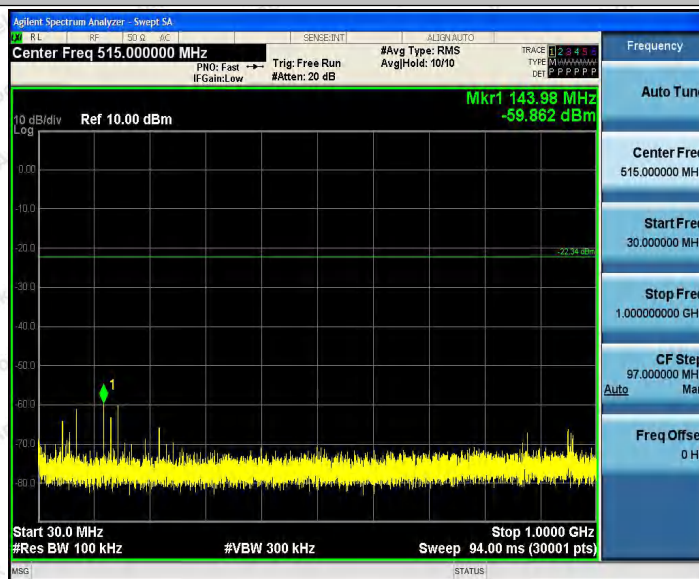
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-59.86	≤ -22.34	PASS
			1000~26500	-2.34	-40.07	≤ -22.34	PASS
		2441	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-59.79	≤ -22.7	PASS
			1000~26500	-2.70	-43.75	≤ -22.7	PASS
		2480	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-59.18	≤ -22.88	PASS
			1000~26500	-2.88	-45.2	≤ -22.88	PASS
2DH5	Ant1	2402	Reference	-2.27	-2.27	---	PASS
			30~1000	-2.27	-52.96	≤ -22.27	PASS
			1000~26500	-2.27	-44.92	≤ -22.27	PASS
		2441	Reference	-2.16	-2.16	---	PASS
			30~1000	-2.16	-61.18	≤ -22.16	PASS
			1000~26500	-2.16	-47.8	≤ -22.16	PASS
		2480	Reference	-4.62	-4.62	---	PASS
			30~1000	-4.62	-55.2	≤ -24.62	PASS
			1000~26500	-4.62	-43.69	≤ -24.62	PASS

Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

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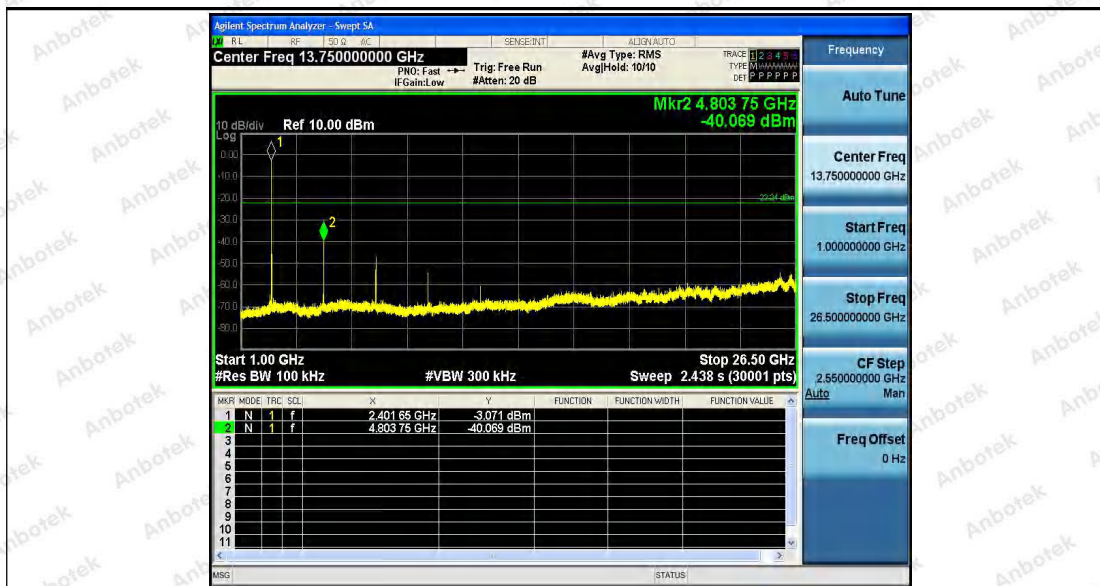
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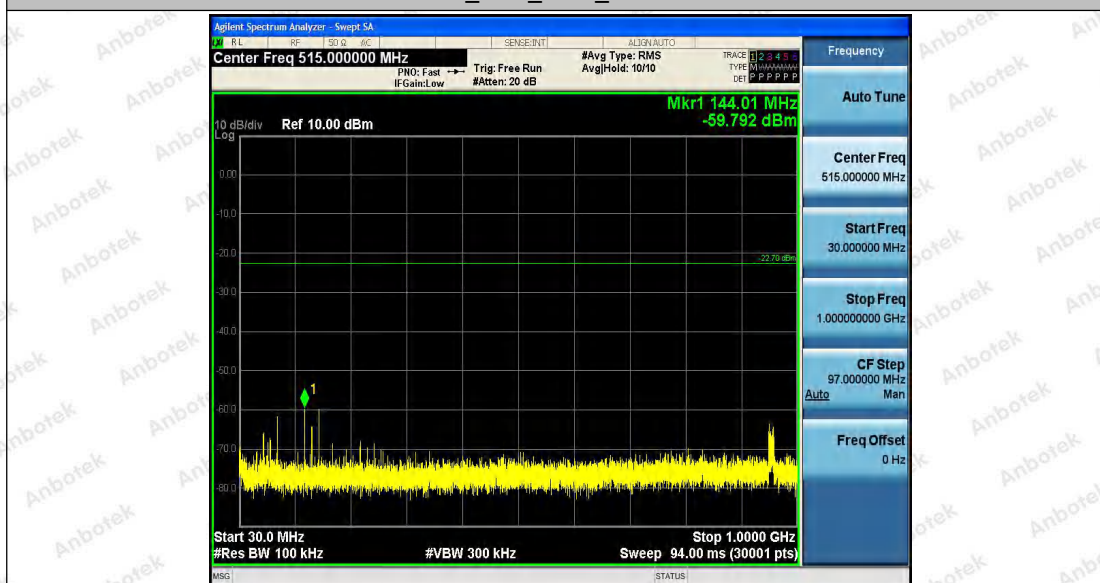
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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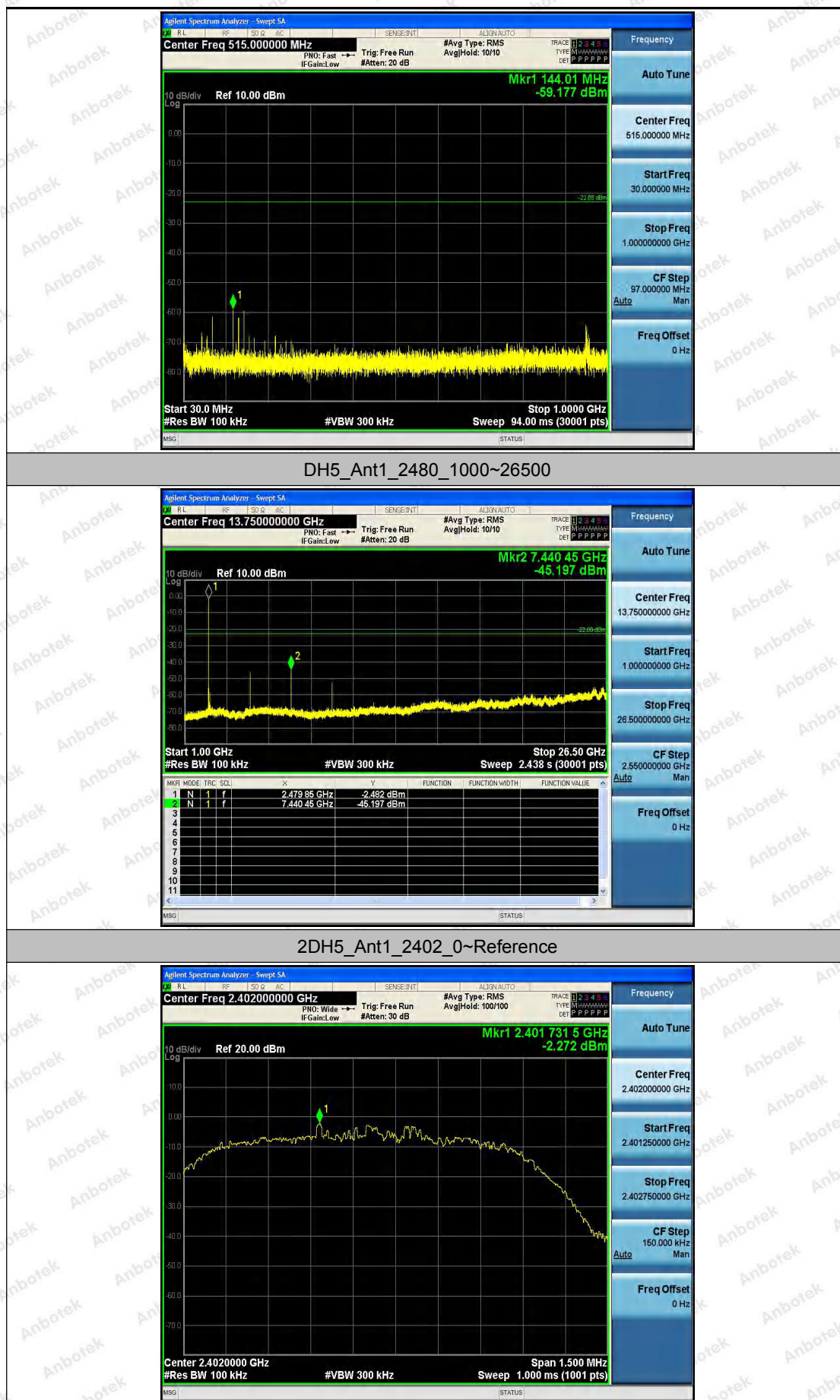


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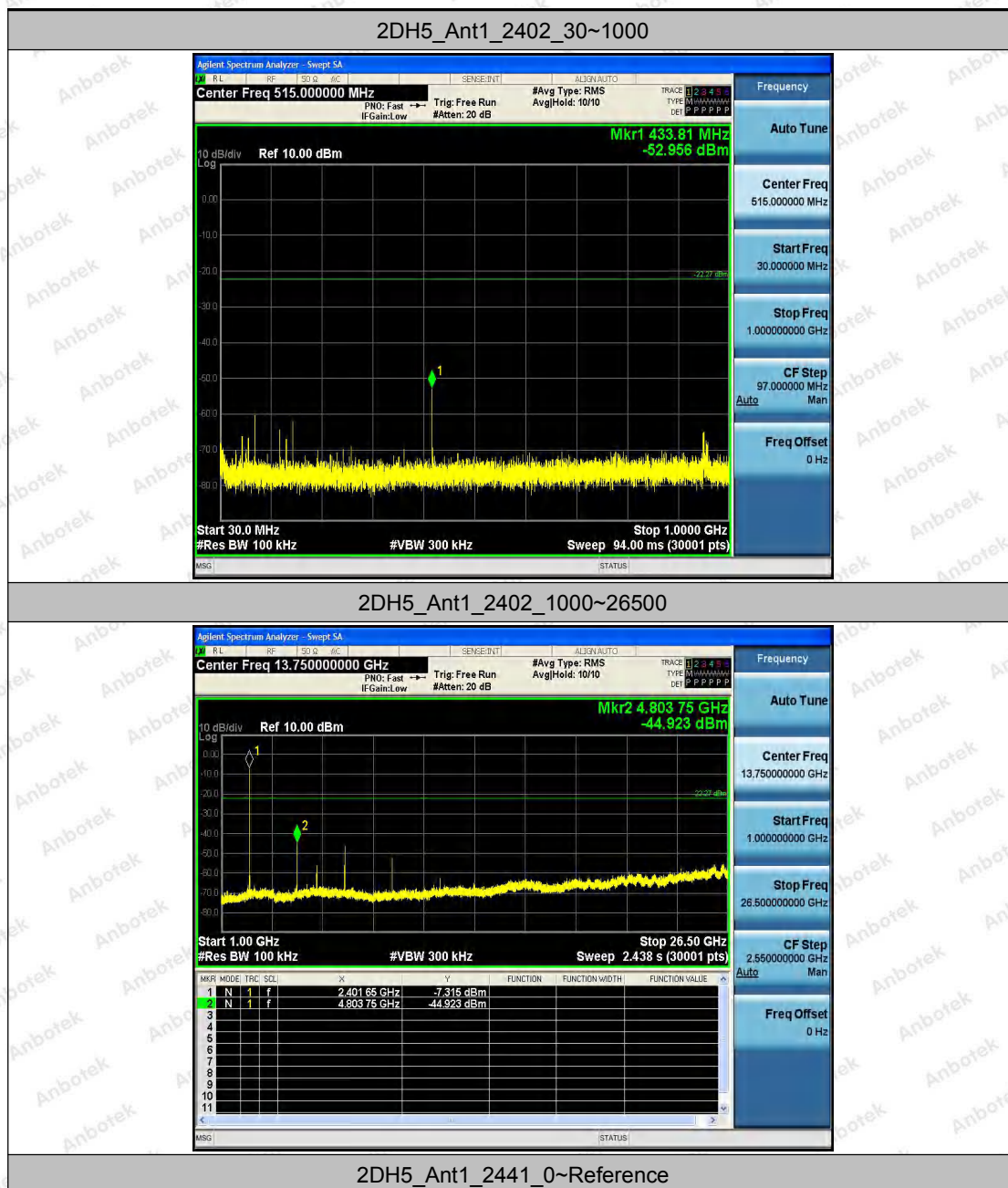


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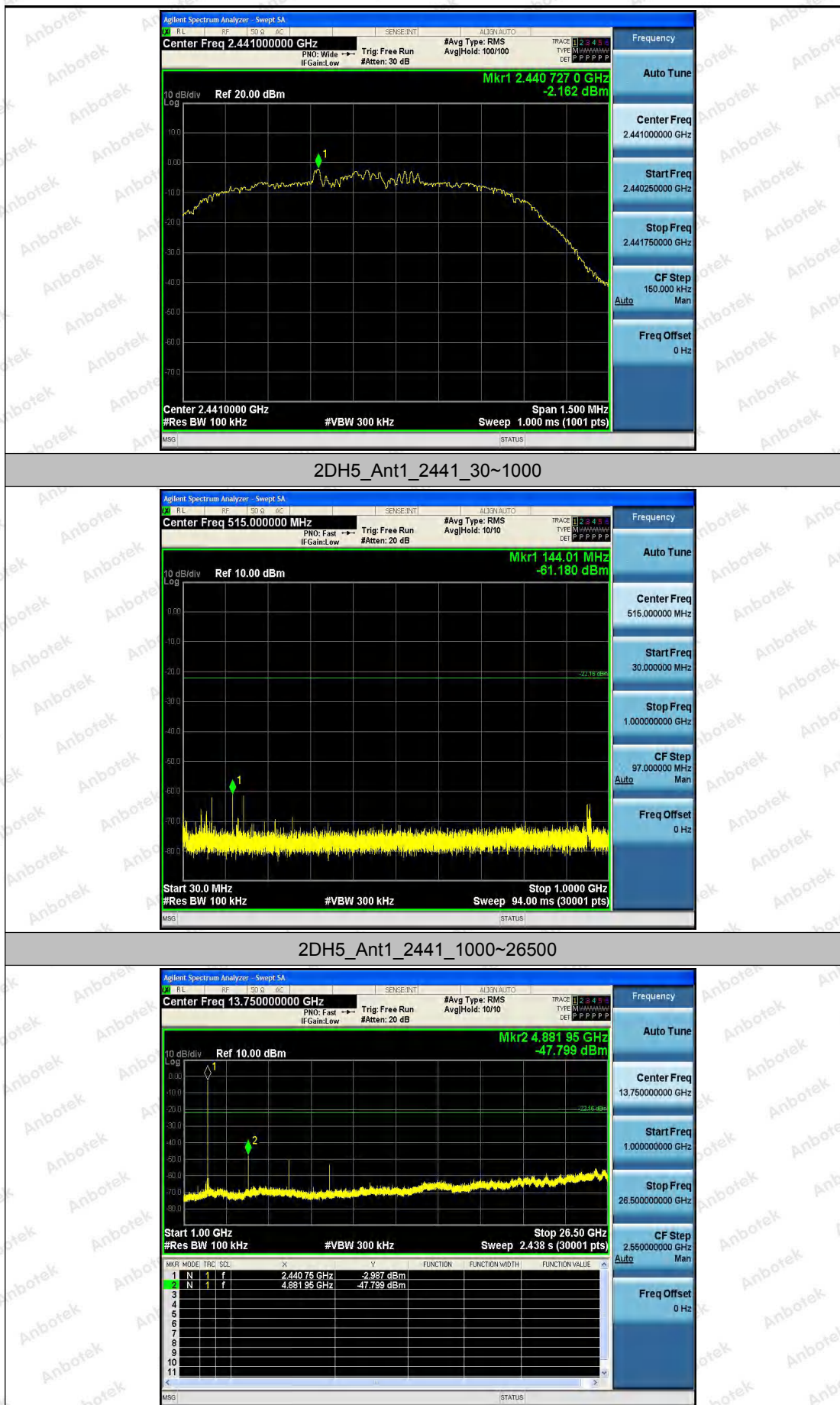


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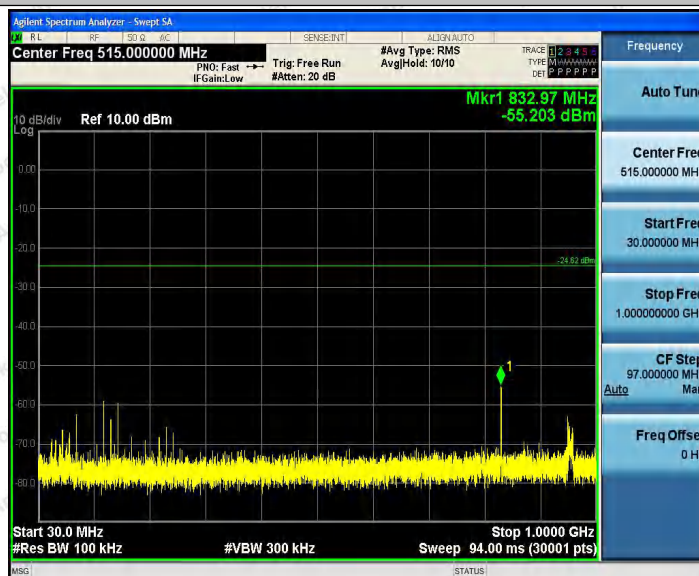
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

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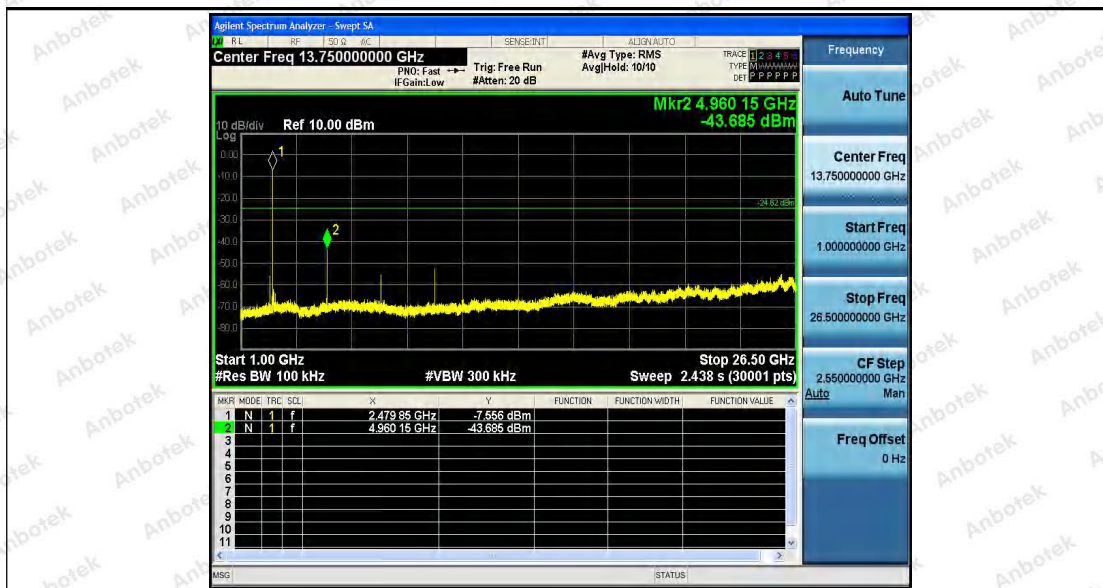
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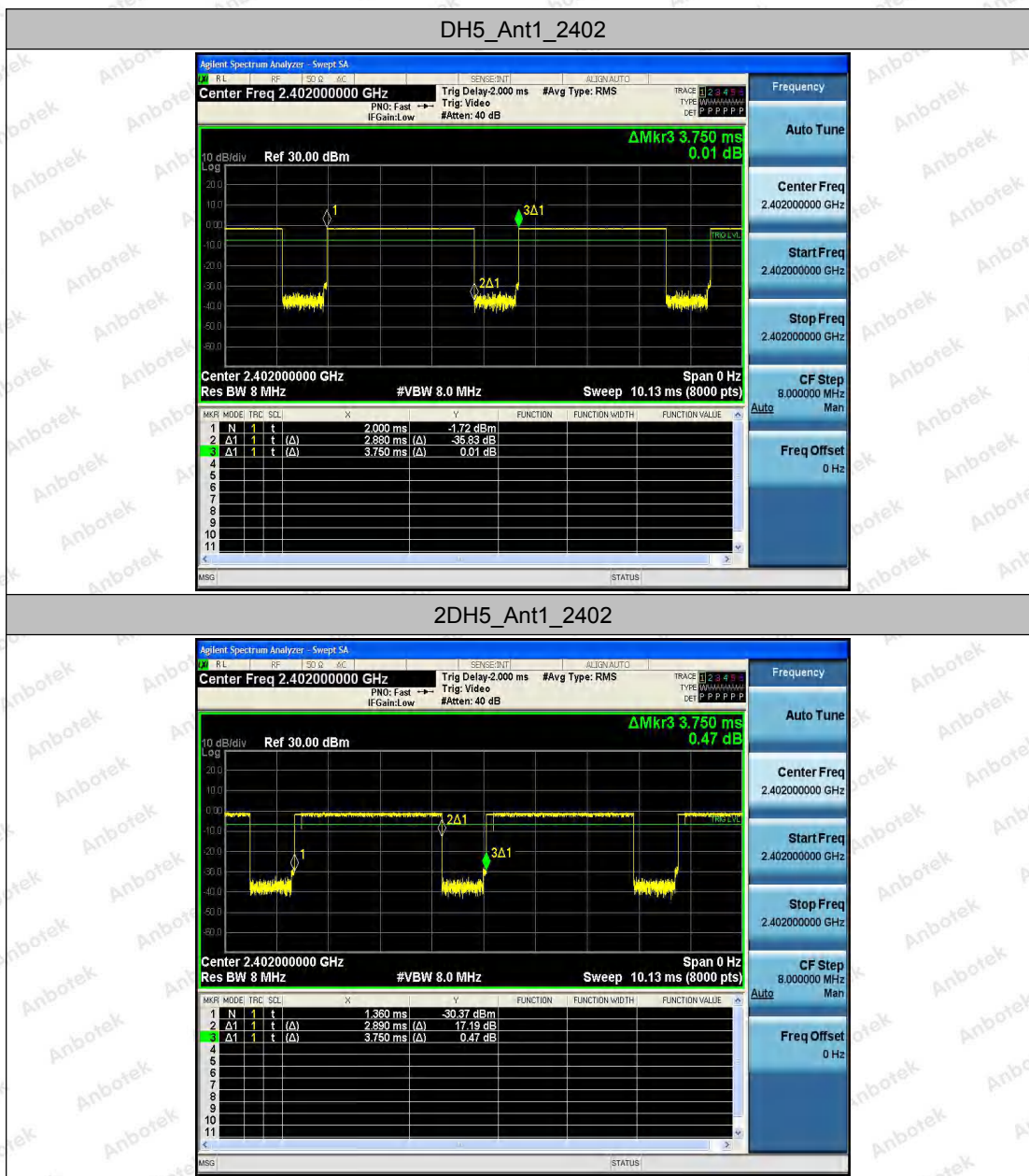
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Appendix I: Duty Cycle

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



---End---