

Appendix Test Data

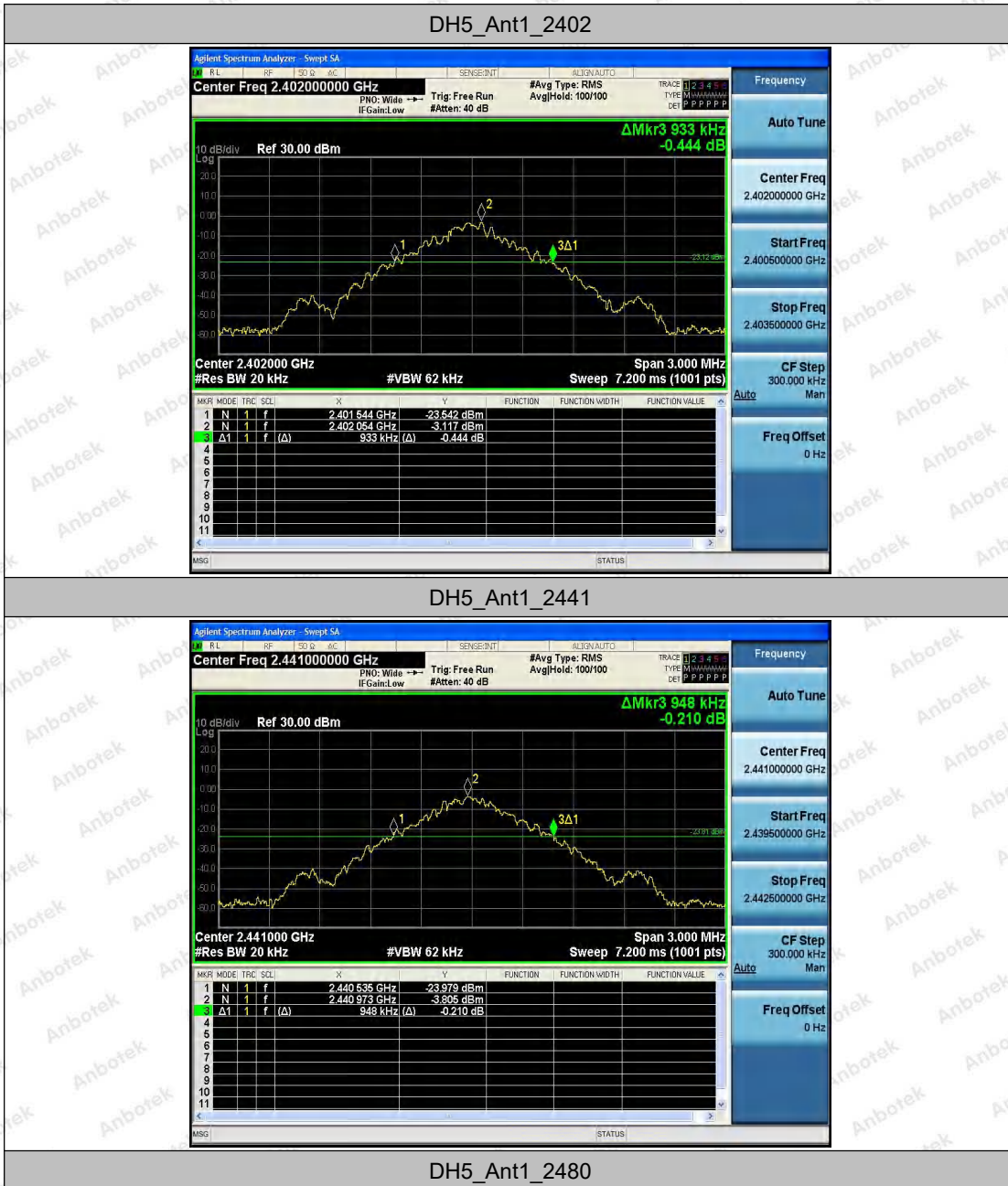
Report No.:	18220WC20125401	Test Sample No.:	1-2-2
Start Test Date:	2022.6.14	Finish Test Date:	2022.6.15
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.933	2401.544	2402.477	---	PASS
		2441	0.948	2440.535	2441.483	---	PASS
		2480	0.936	2479.541	2480.477	---	PASS
2DH5	Ant1	2402	1.269	2401.364	2402.633	---	PASS
		2441	1.257	2440.364	2441.621	---	PASS
		2480	1.263	2479.364	2480.627	---	PASS
3DH5	Ant1	2402	1.272	2401.349	2402.621	---	PASS
		2441	1.287	2440.355	2441.642	---	PASS
		2480	1.293	2479.346	2480.639	---	PASS

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



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2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

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3DH5_Ant1_2480



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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88948	2401.554	2402.443	---	PASS
		2441	0.89151	2440.551	2441.443	---	PASS
		2480	0.90048	2479.551	2480.452	---	PASS
2DH5	Ant1	2402	1.1983	2401.400	2402.599	---	PASS
		2441	1.1963	2440.401	2441.597	---	PASS
		2480	1.1891	2479.404	2480.593	---	PASS
3DH5	Ant1	2402	1.2137	2401.382	2402.596	---	PASS
		2441	1.2070	2440.386	2441.593	---	PASS
		2480	1.2040	2479.389	2480.593	---	PASS

Test Graphs



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2DH5_Ant1_2402



2DH5_Ant1_2441

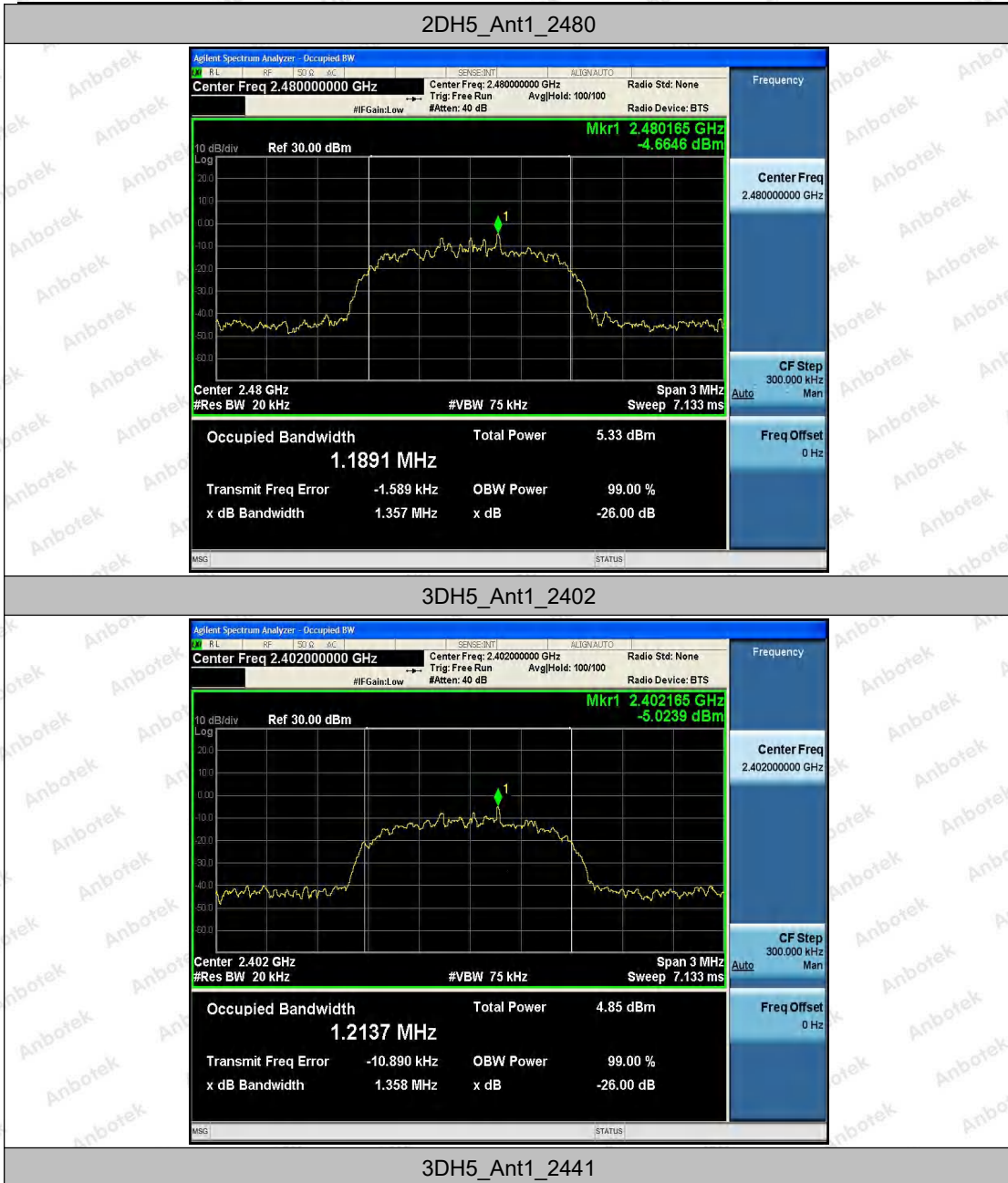


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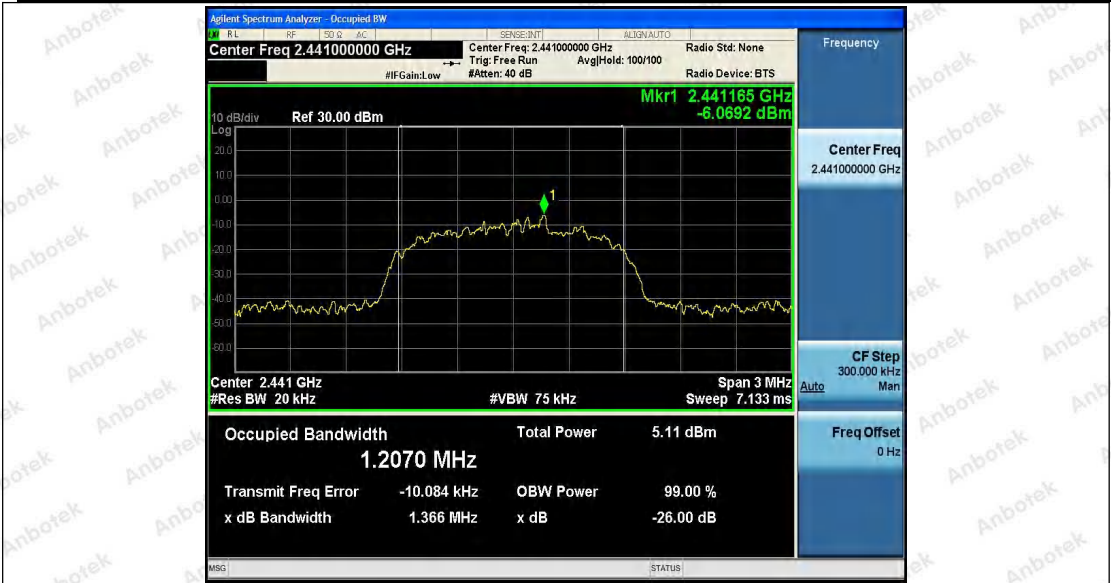
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3DH5_Ant1_2480



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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.42	≤20.97	PASS
		2441	0.43	≤20.97	PASS
		2480	0.57	≤20.97	PASS
2DH5	Ant1	2402	-0.22	≤20.97	PASS
		2441	-0.19	≤20.97	PASS
		2480	-0.24	≤20.97	PASS
3DH5	Ant1	2402	-0.14	≤20.97	PASS
		2441	-0.18	≤20.97	PASS
		2480	-0.08	≤20.97	PASS

Test Graphs



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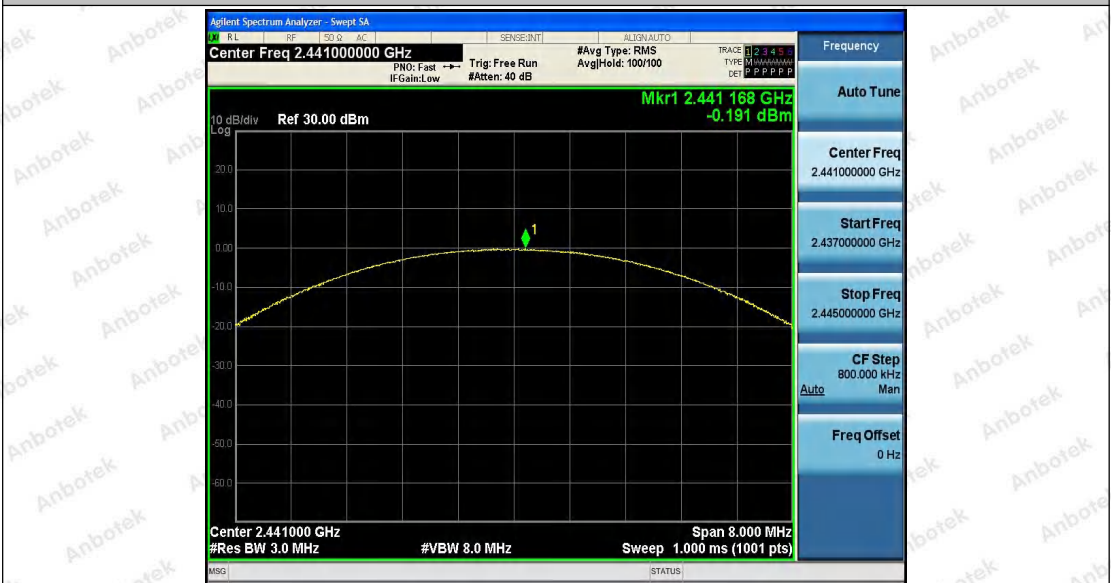
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2DH5_Ant1_2402



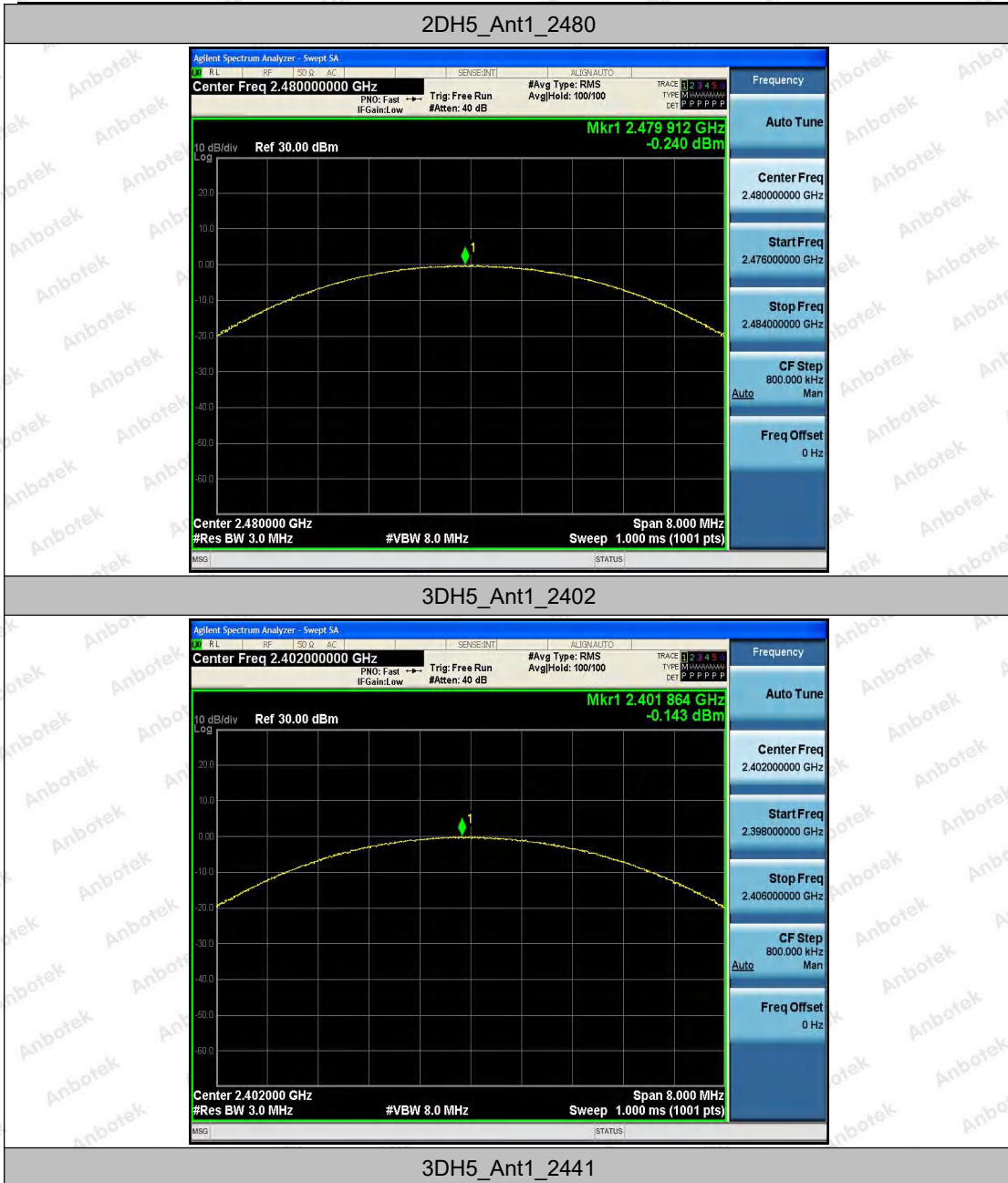
2DH5_Ant1_2441



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3DH5_Ant1_2480



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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.882	≥0.632	PASS
2DH5	Ant1	Hop	0.916	≥0.846	PASS
3DH5	Ant1	Hop	0.996	≥0.862	PASS

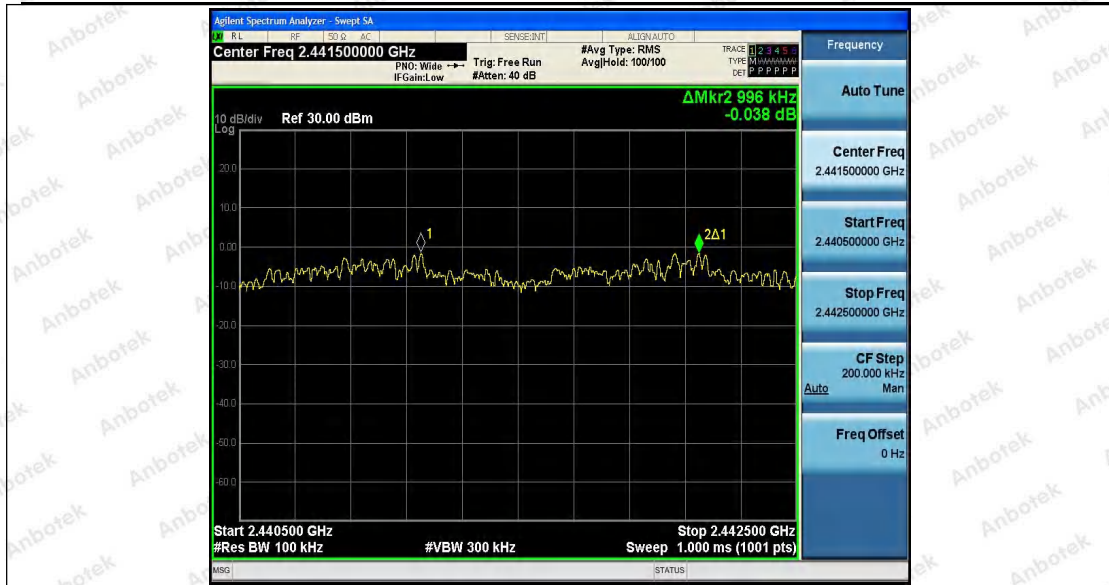
Test Graphs



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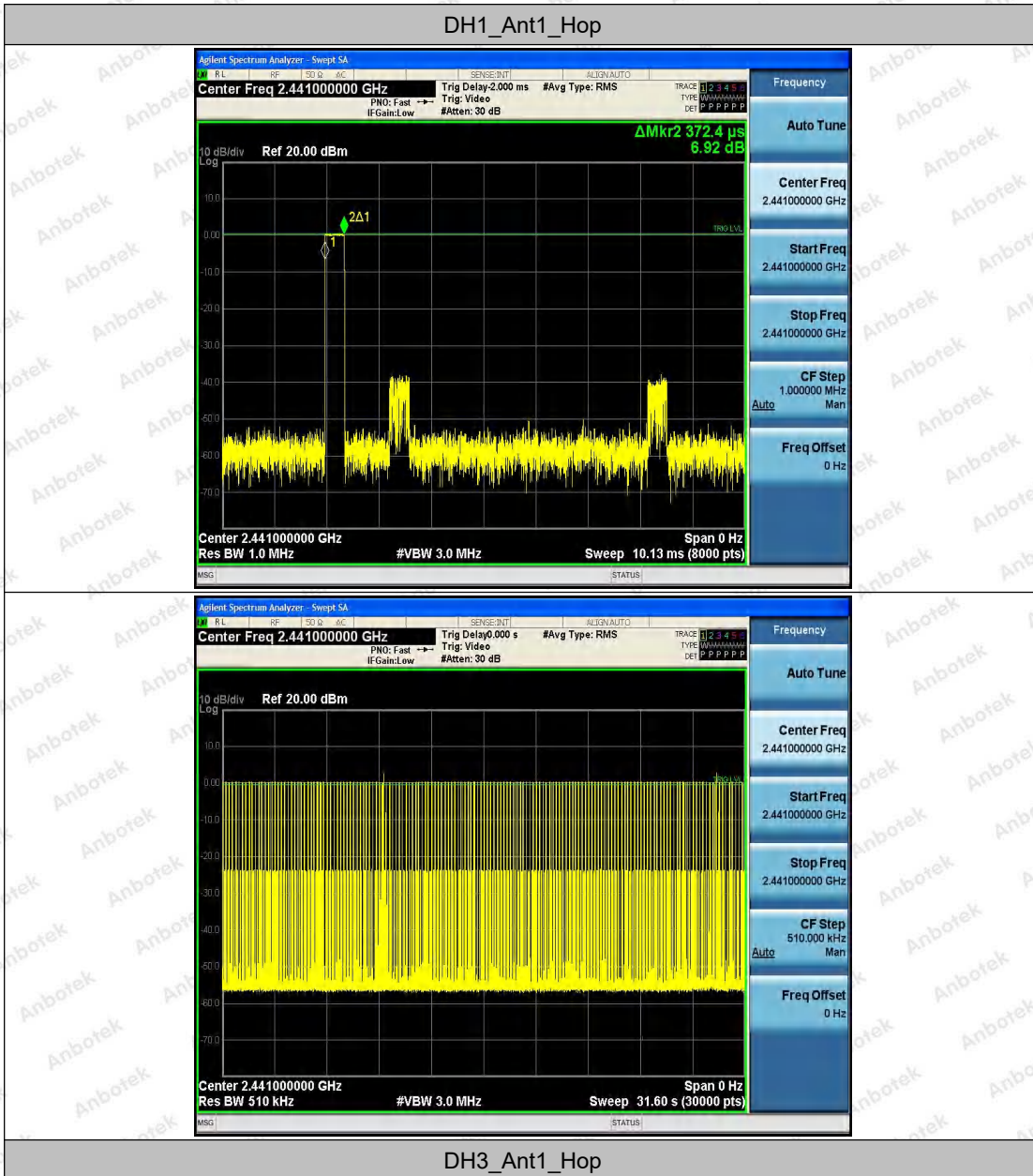
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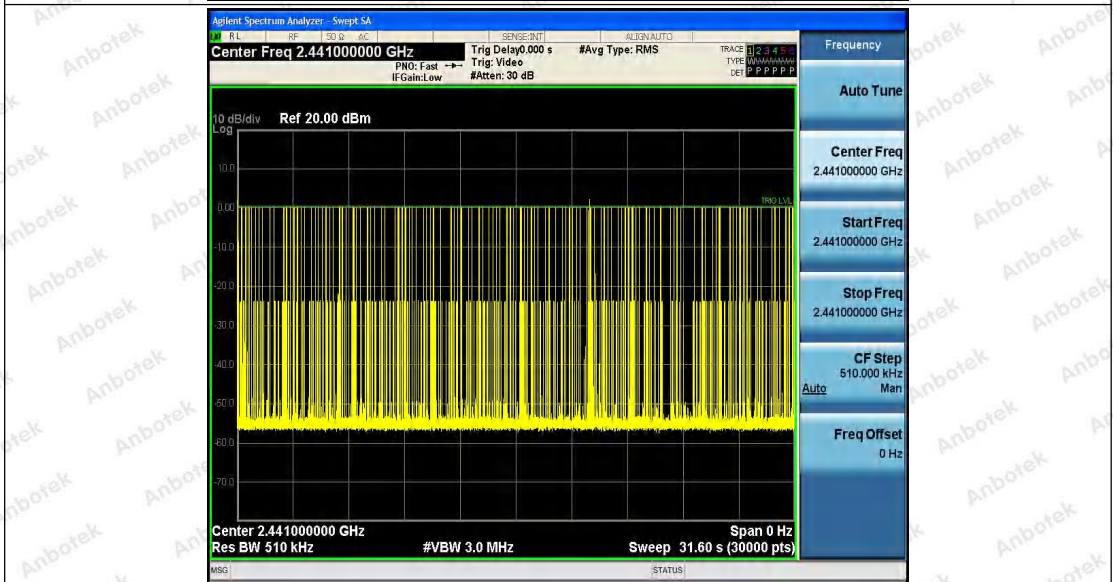
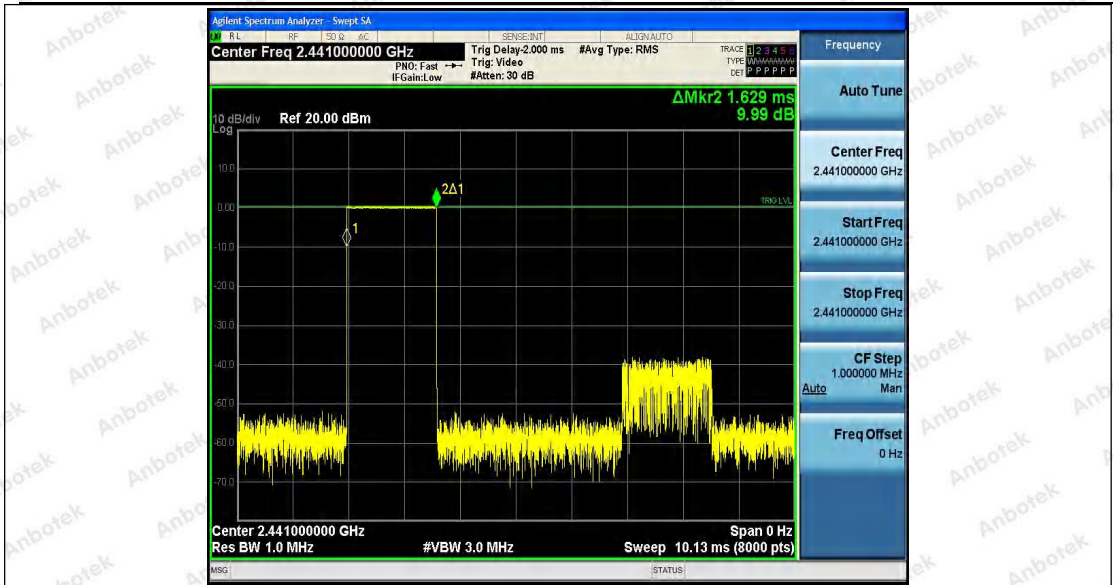
Appendix E: Time of occupancy

Test Result

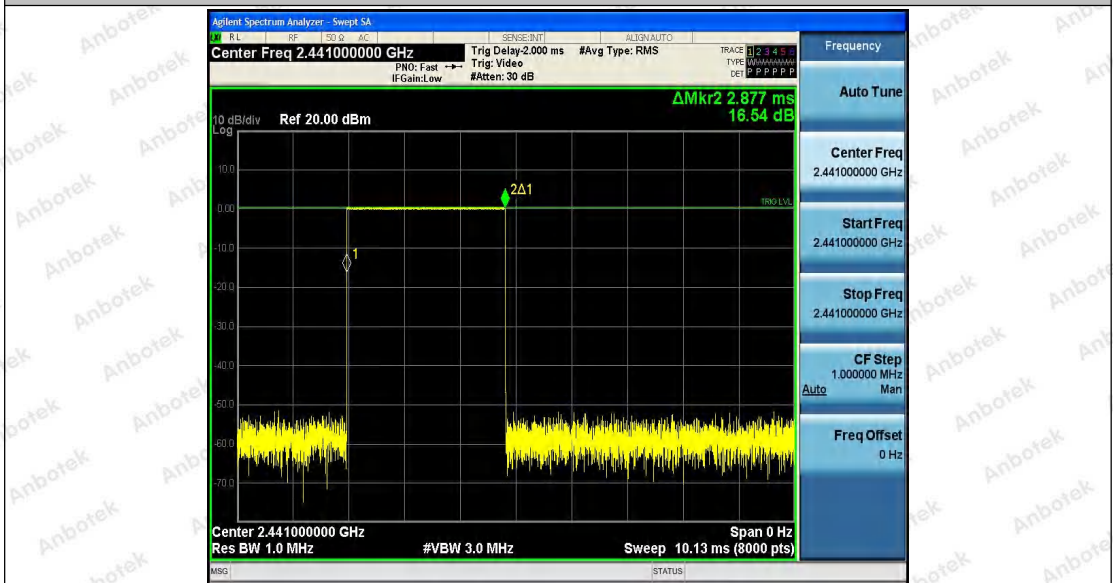
Test Mode	Antenna	Channel	Burst Width[ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	317	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.63	163	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.88	112	0.322	≤0.4	PASS
2DH1	Ant1	Hop	0.27	317	0.086	≤0.4	PASS
2DH3	Ant1	Hop	1.63	161	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.88	114	0.328	≤0.4	PASS
3DH1	Ant1	Hop	0.38	318	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.63	165	0.269	≤0.4	PASS
3DH5	Ant1	Hop	2.88	111	0.32	≤0.4	PASS

Test Graphs





DH5_Ant1_Hop

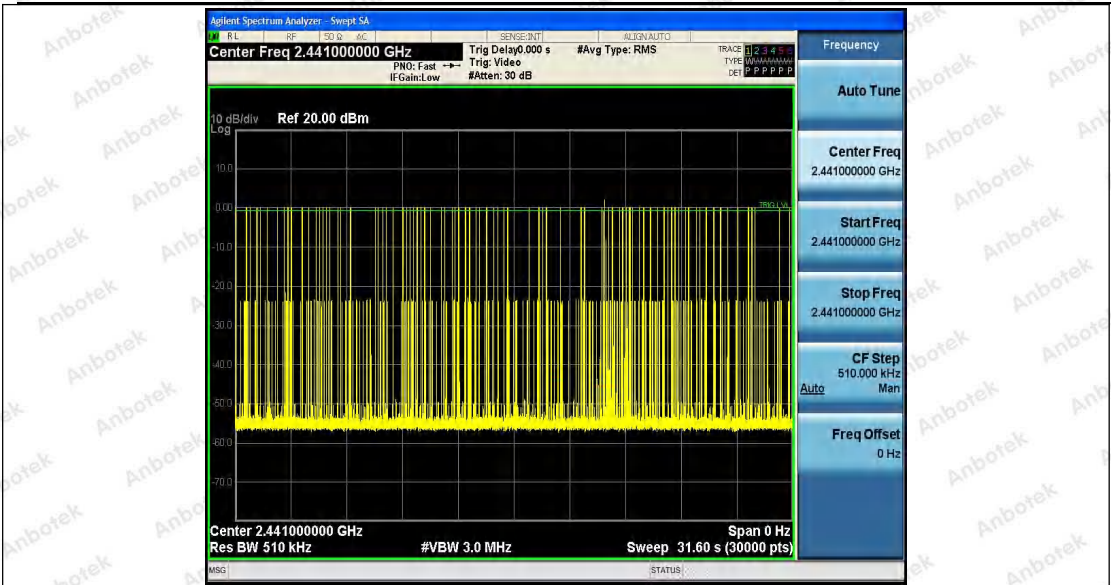


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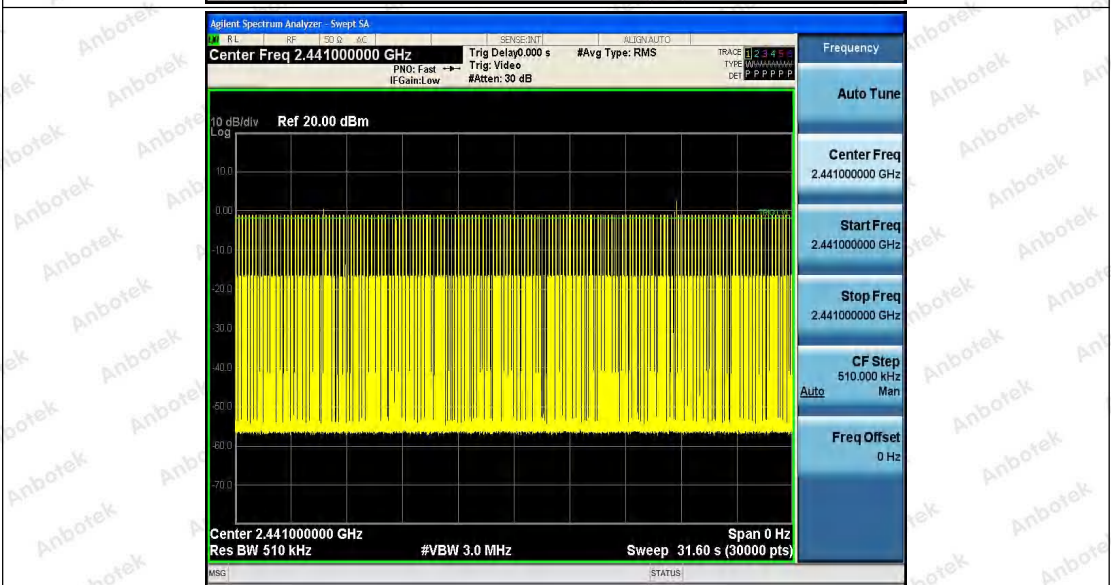
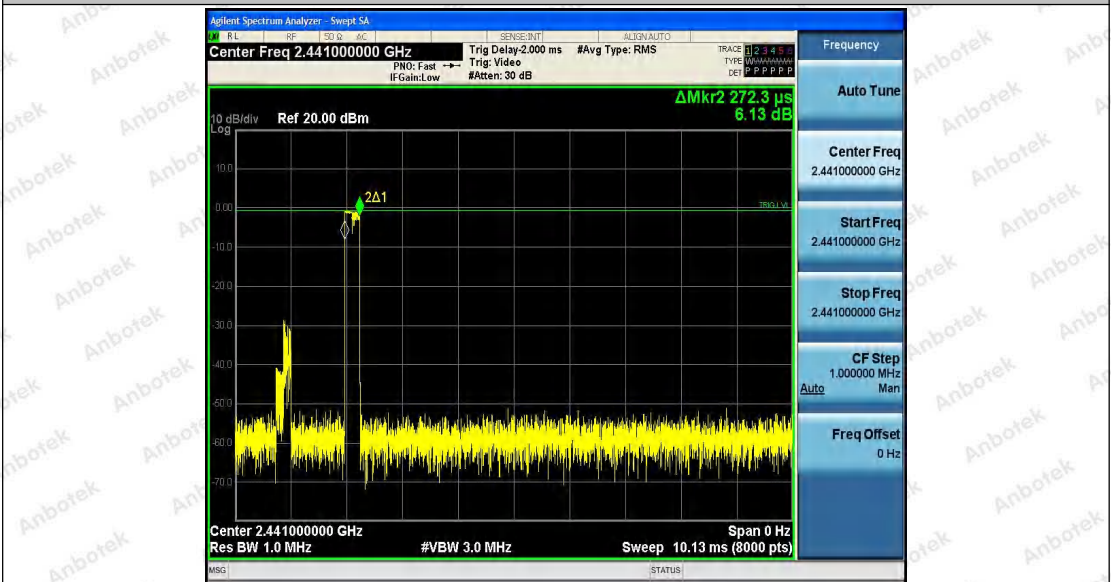
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2DH1_Ant1_Hop



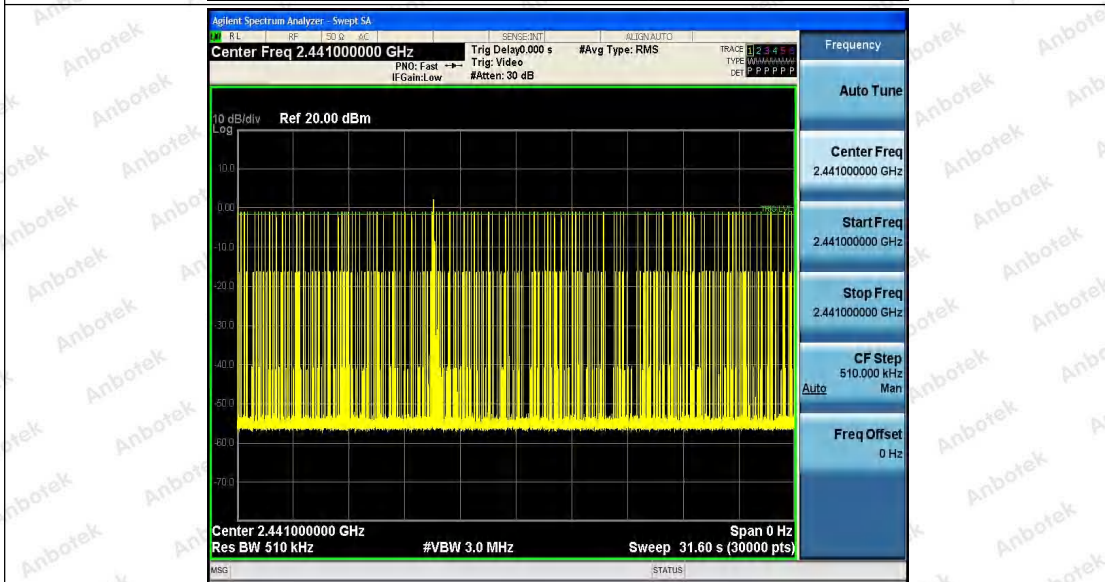
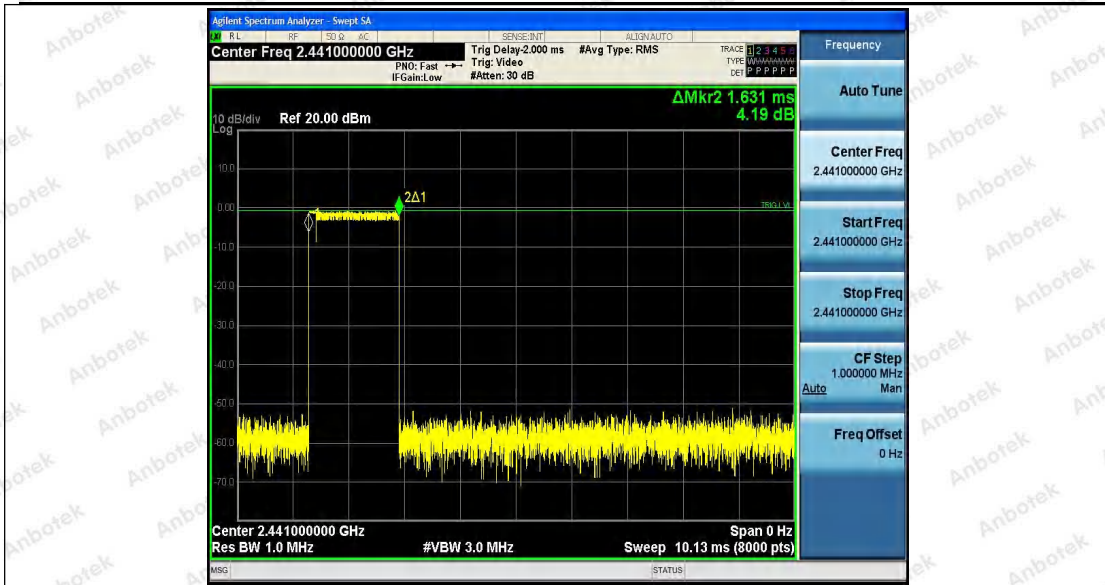
2DH3_Ant1_Hop

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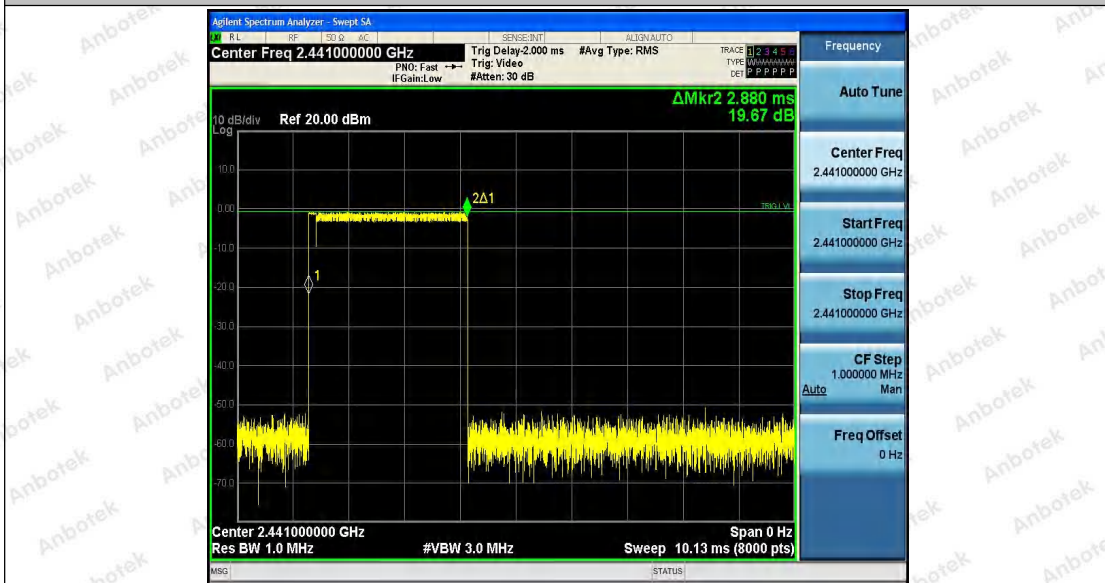
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2DH5_Ant1_Hop

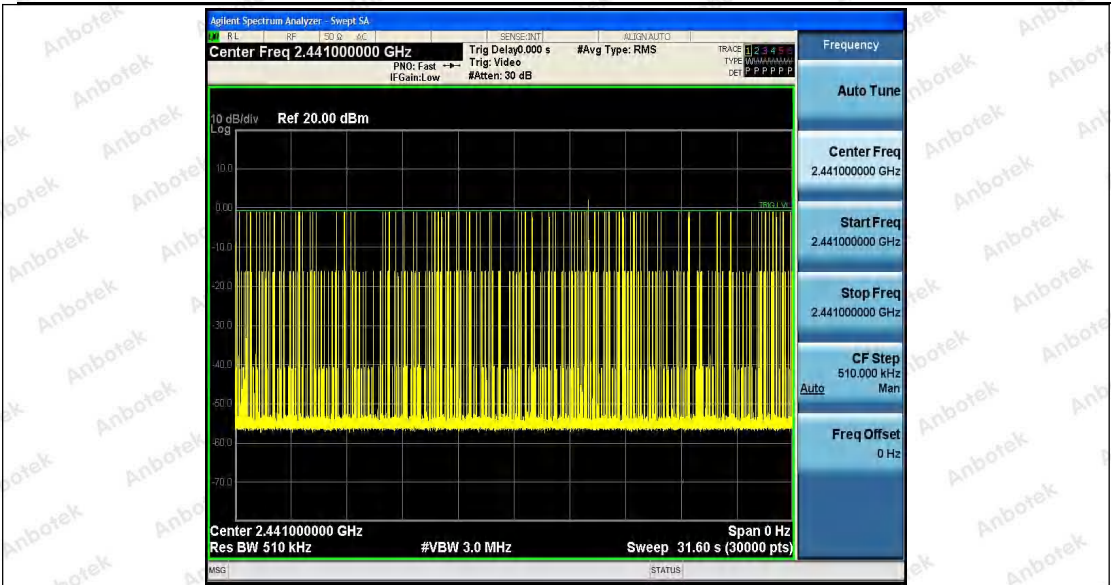


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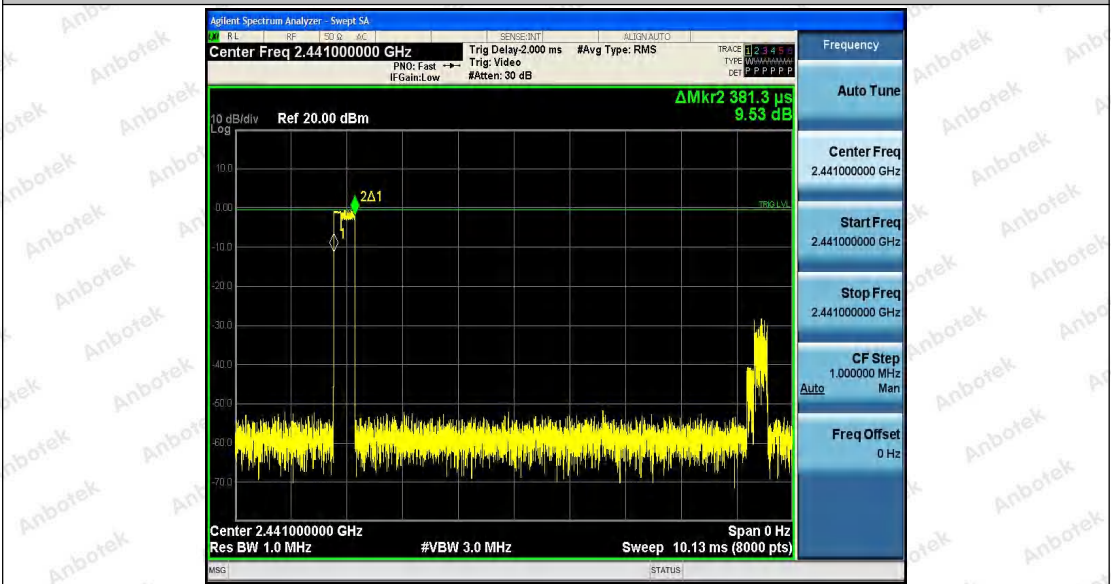
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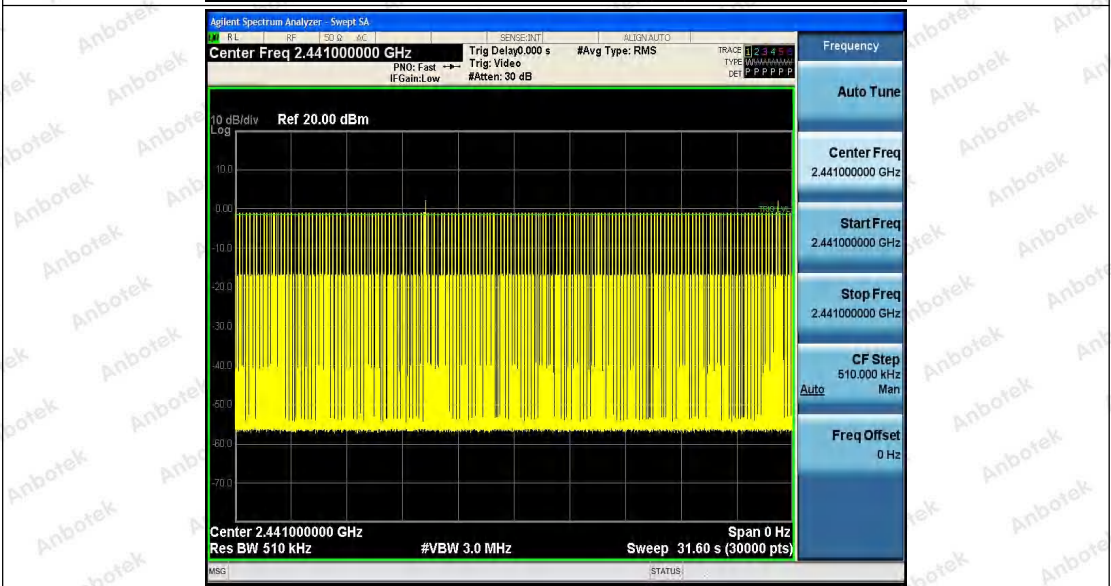
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3DH1_Ant1_Hop



3DH1_Ant1_Hop



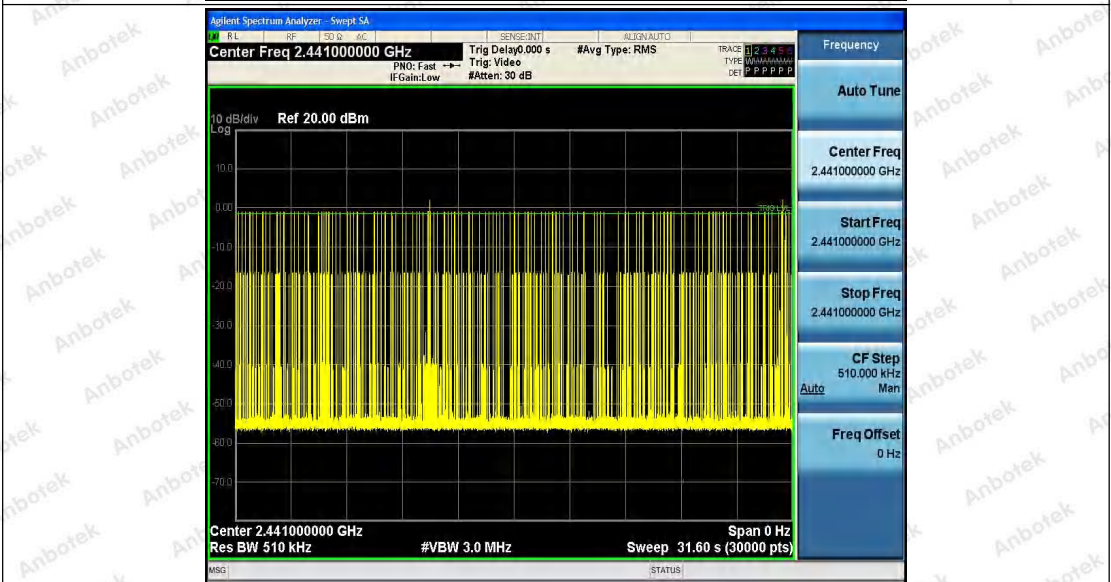
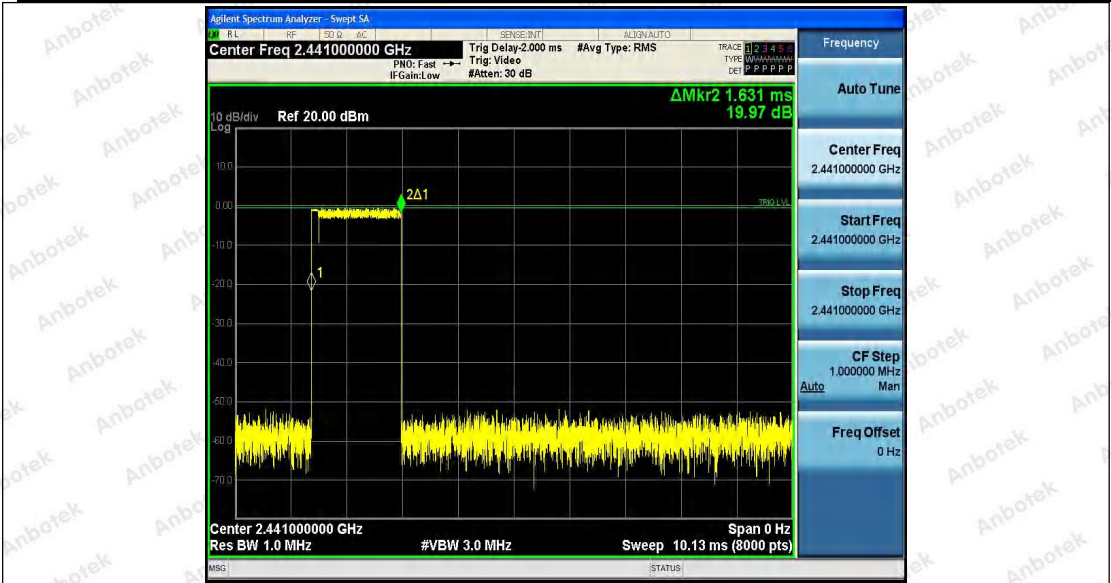
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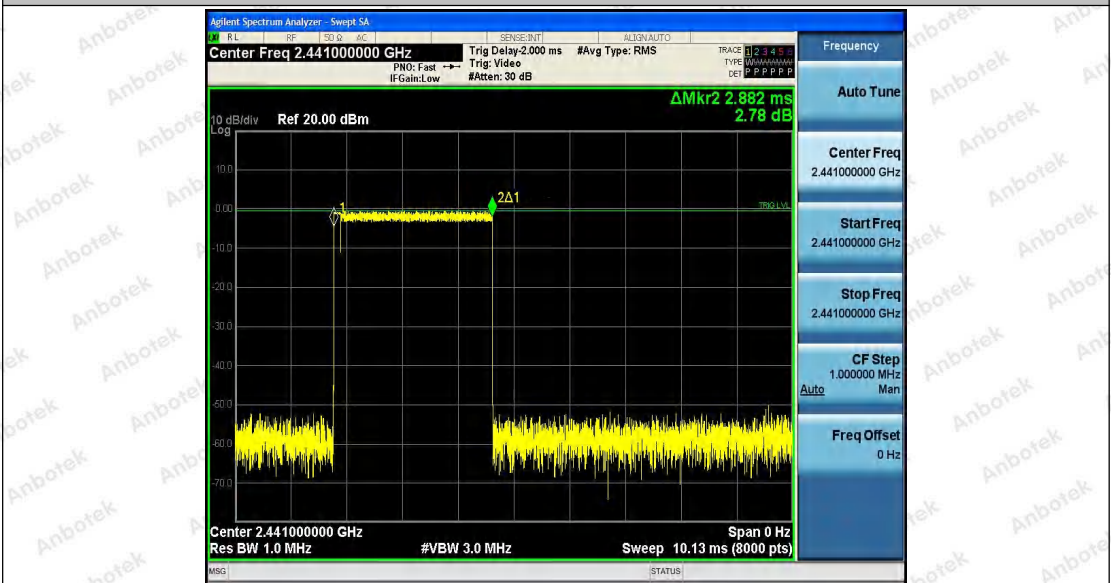
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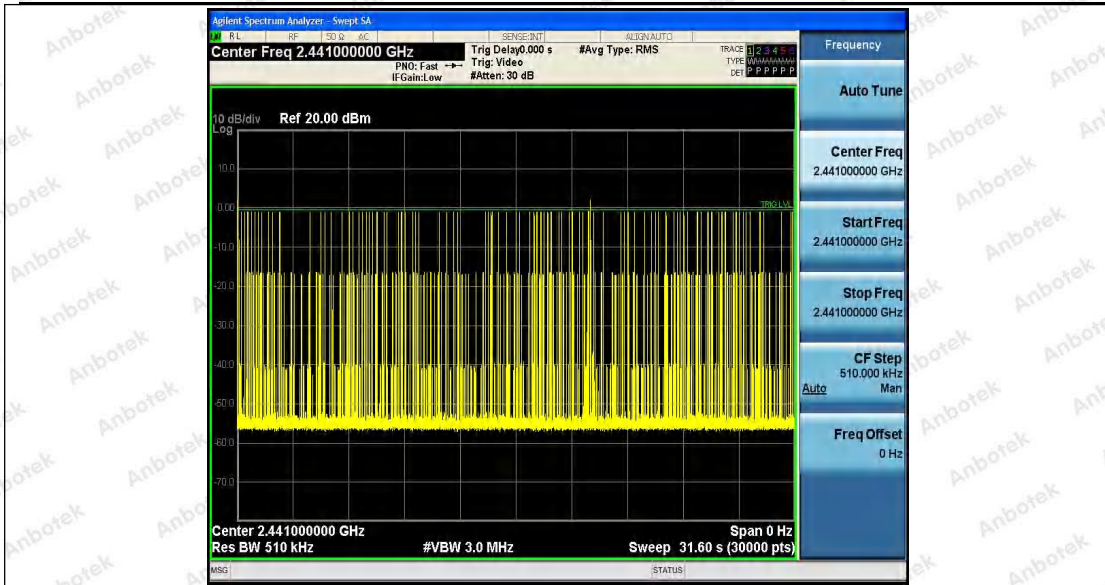
3DH5_Ant1_Hop



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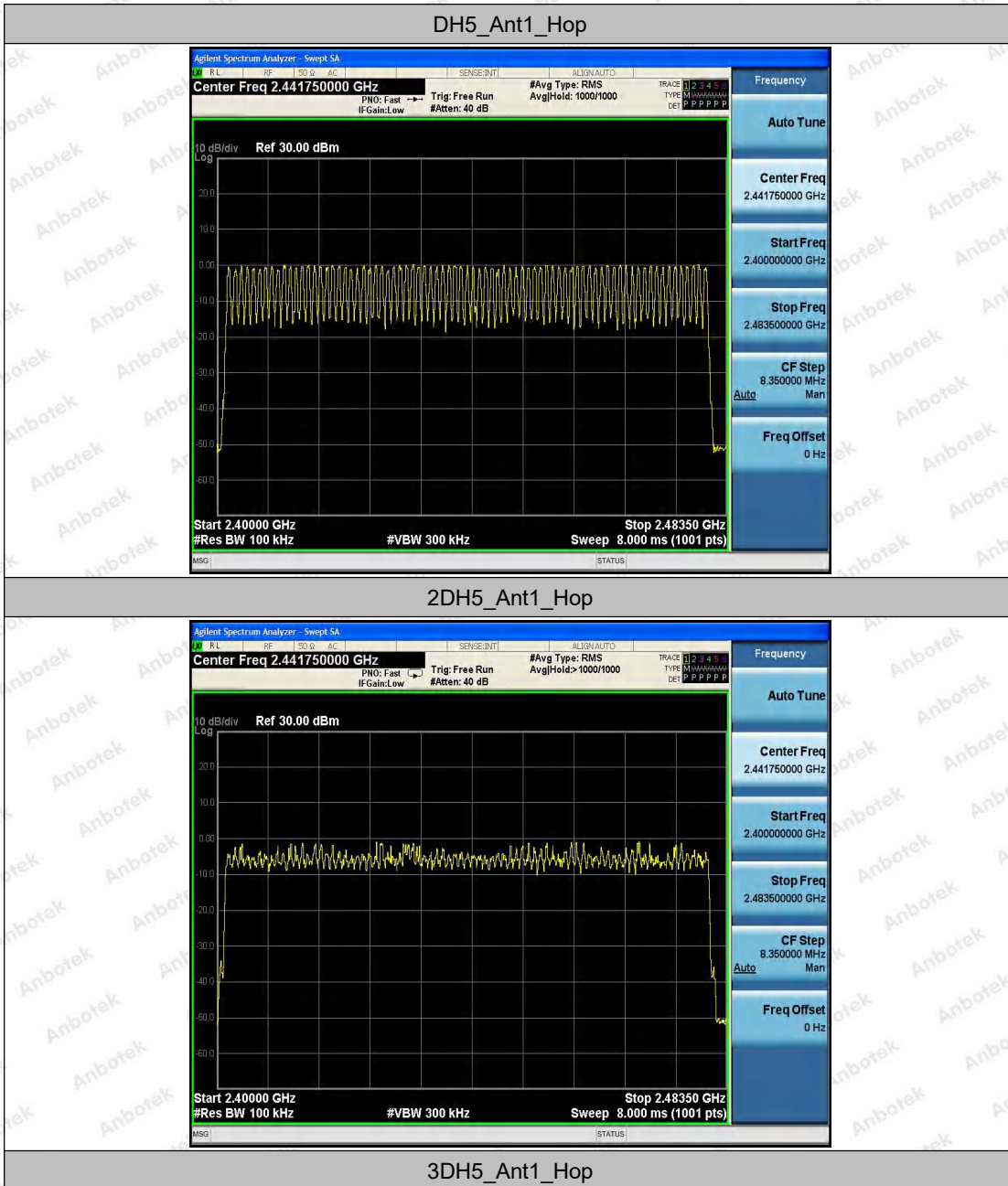
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Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

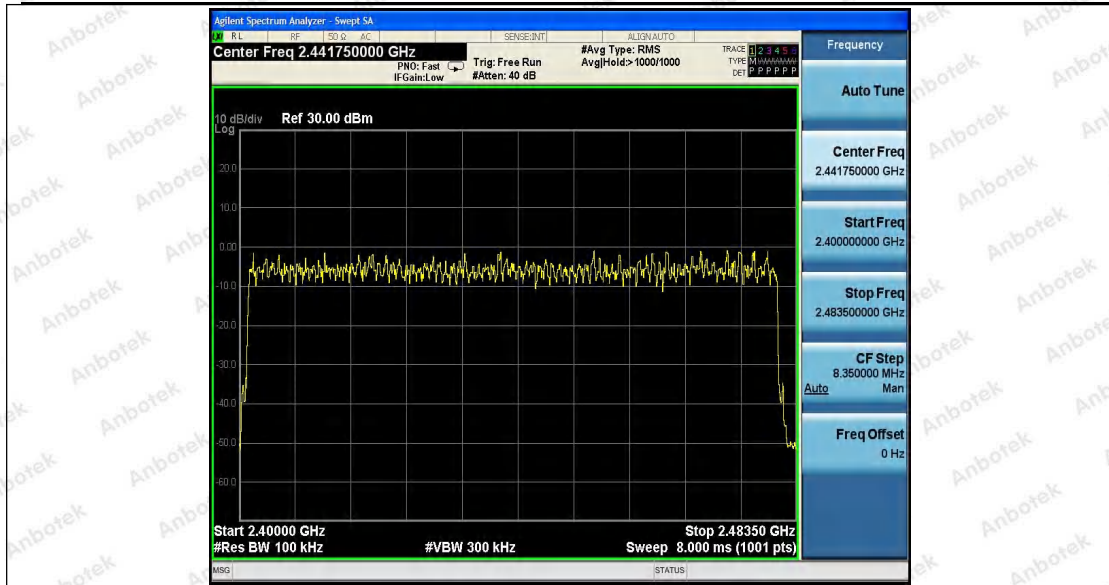
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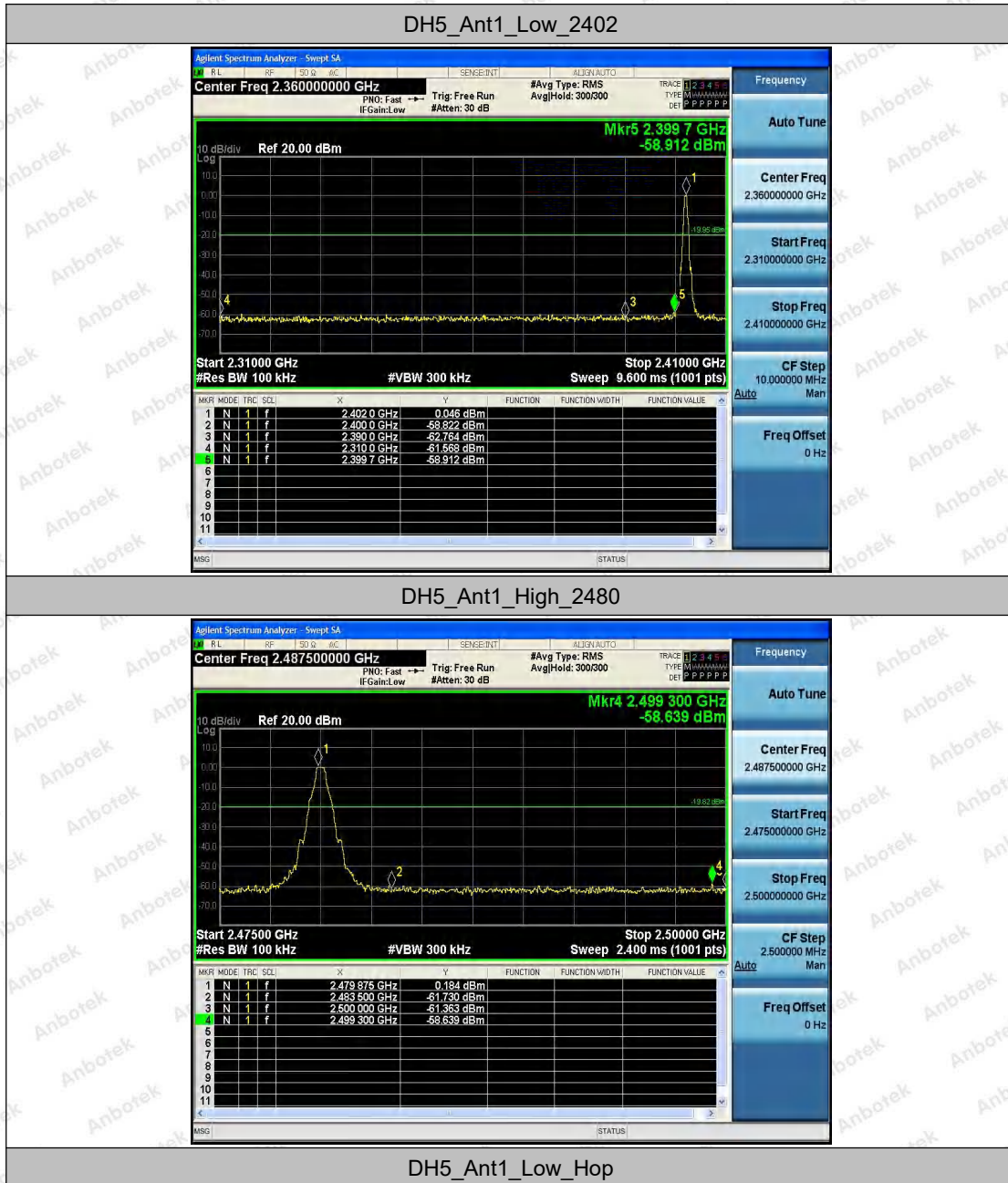
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Appendix G: Band edge measurements

Test Result

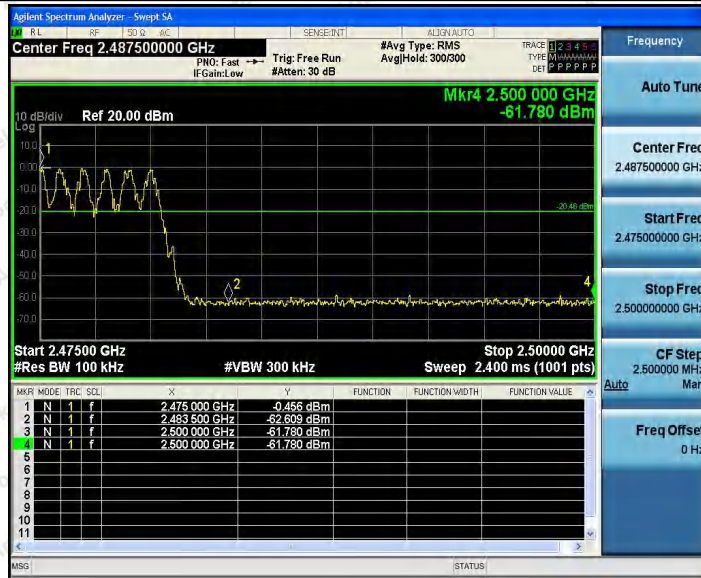
Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.05	-58.91	≤-19.95	PASS
		High	2480	0.18	-58.64	≤-19.82	PASS
		Low	Hop	-0.25	-59.33	≤-20.25	PASS
		High	Hop	-0.46	-61.78	≤-20.46	PASS
2DH5	Ant1	Low	2402	1.75	-55.82	≤-18.25	PASS
		High	2480	-0.98	-59.75	≤-20.98	PASS
		Low	Hop	-2.60	-59.31	≤-22.6	PASS
		High	Hop	-1.05	-61.28	≤-21.05	PASS
3DH5	Ant1	Low	2402	-0.96	-54.09	≤-20.96	PASS
		High	2480	-1.05	-58.83	≤-21.05	PASS
		Low	Hop	-1.07	-59.71	≤-21.07	PASS
		High	Hop	-4.49	-61.24	≤-24.49	PASS

Test Graphs

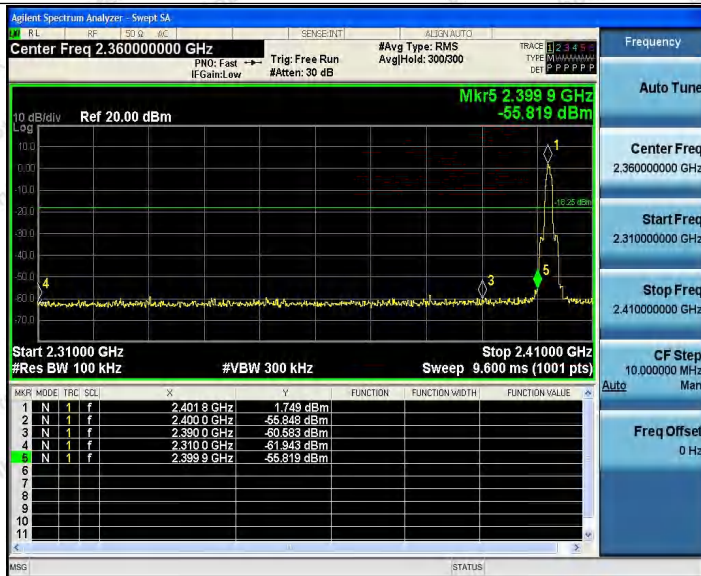




DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402

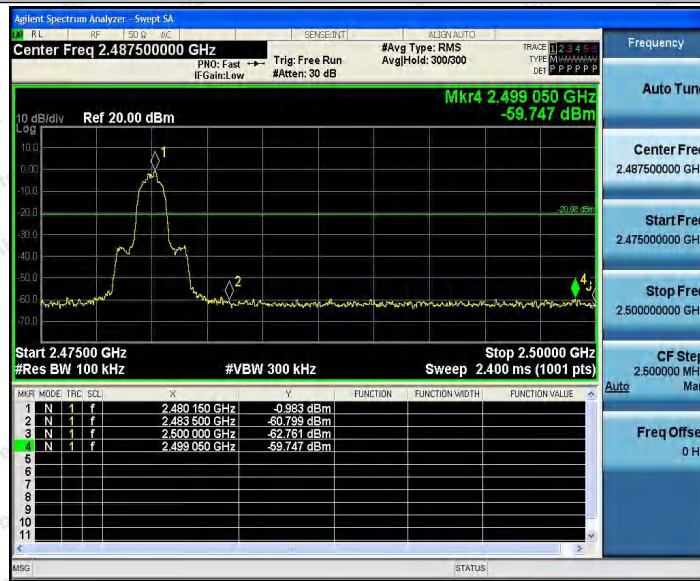


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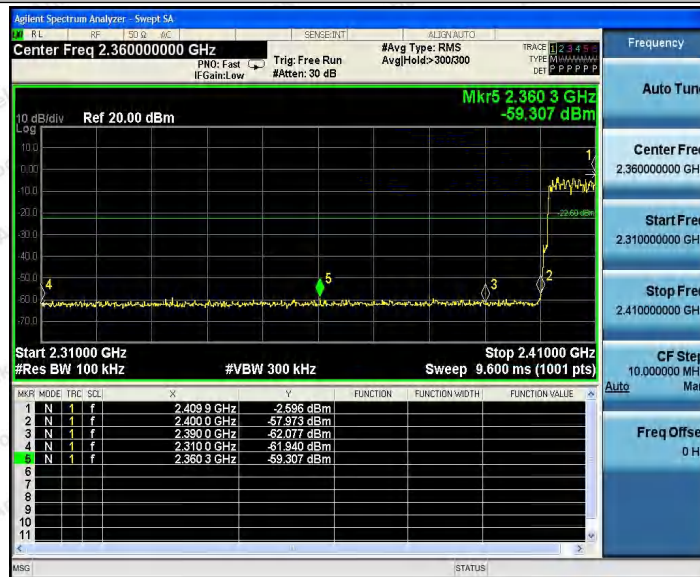
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



2DH5_Ant1_High_Hop

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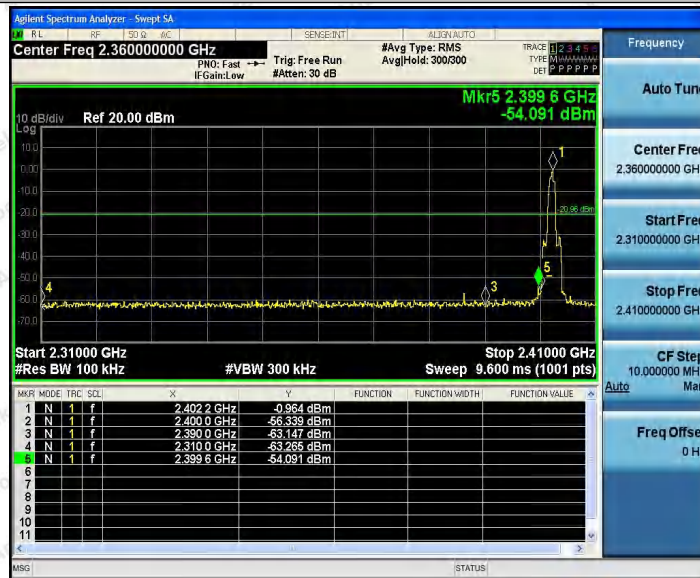
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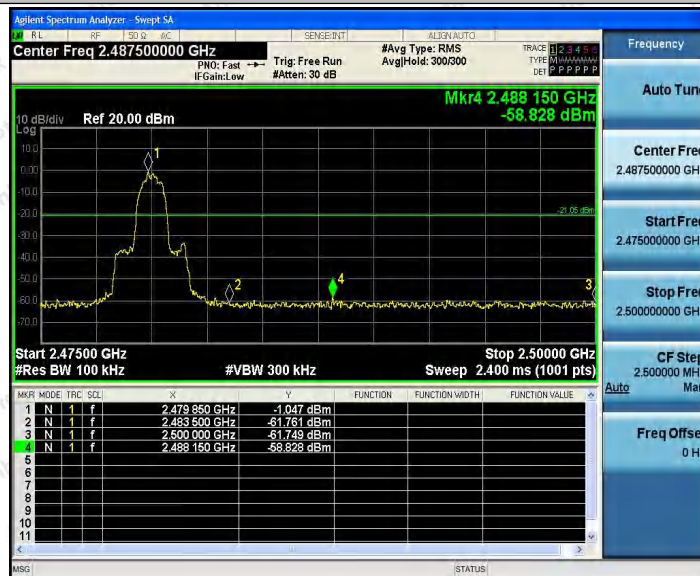
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3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



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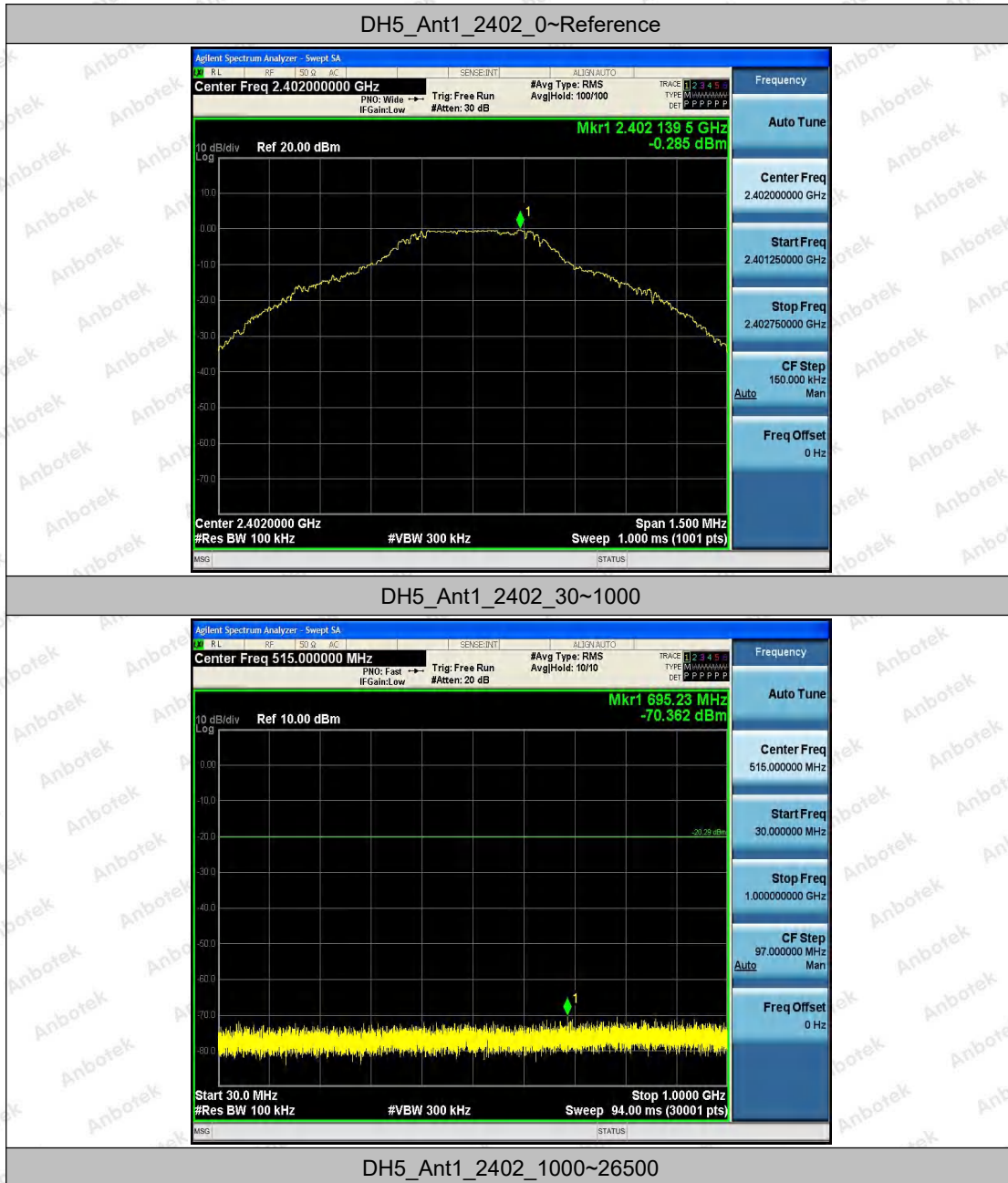
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Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-70.36	≤-20.29	PASS
			1000~26500	-0.29	-55	≤-20.29	PASS
		2441	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-70.45	≤-20.4	PASS
			1000~26500	-0.40	-54.98	≤-20.4	PASS
		2480	Reference	0.28	0.28	---	PASS
			30~1000	0.28	-70.14	≤-19.72	PASS
			1000~26500	0.28	-54.99	≤-19.72	PASS
2DH5	Ant1	2402	Reference	-1.69	-1.69	---	PASS
			30~1000	-1.69	-69.97	≤-21.69	PASS
			1000~26500	-1.69	-55.12	≤-21.69	PASS
		2441	Reference	-1.20	-1.20	---	PASS
			30~1000	-1.20	-70.06	≤-21.2	PASS
			1000~26500	-1.20	-55.1	≤-21.2	PASS
		2480	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-66.49	≤-21.97	PASS
			1000~26500	-1.97	-55.38	≤-21.97	PASS
3DH5	Ant1	2402	Reference	-1.56	-1.56	---	PASS
			30~1000	-1.56	-70.15	≤-21.56	PASS
			1000~26500	-1.56	-55.31	≤-21.56	PASS
		2441	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-70.27	≤-21.79	PASS
			1000~26500	-1.79	-55.37	≤-21.79	PASS
		2480	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-70.33	≤-21.03	PASS
			1000~26500	-1.03	-55.58	≤-21.03	PASS

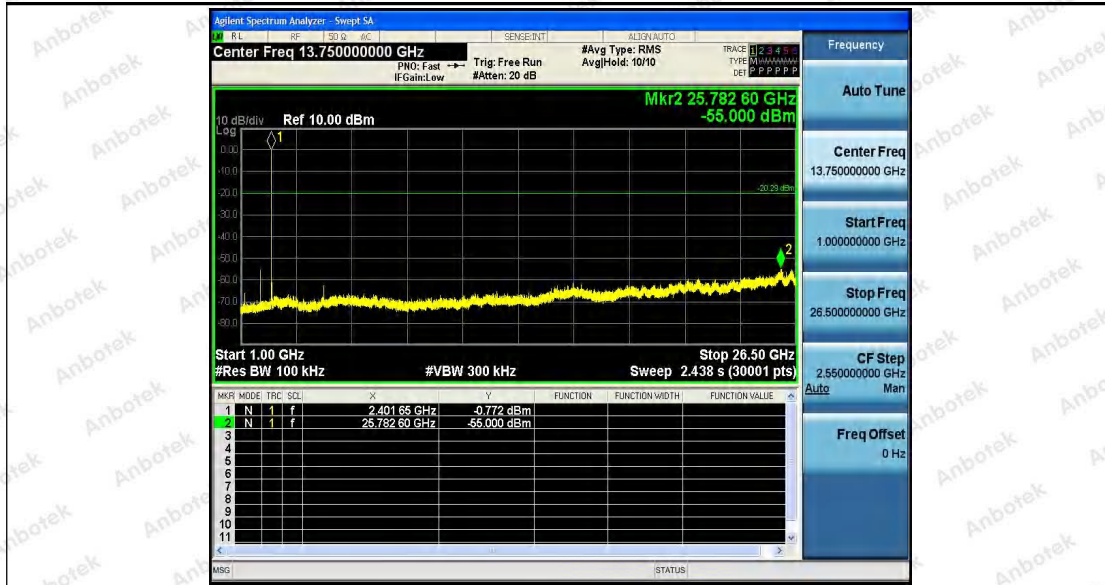
Test Graphs



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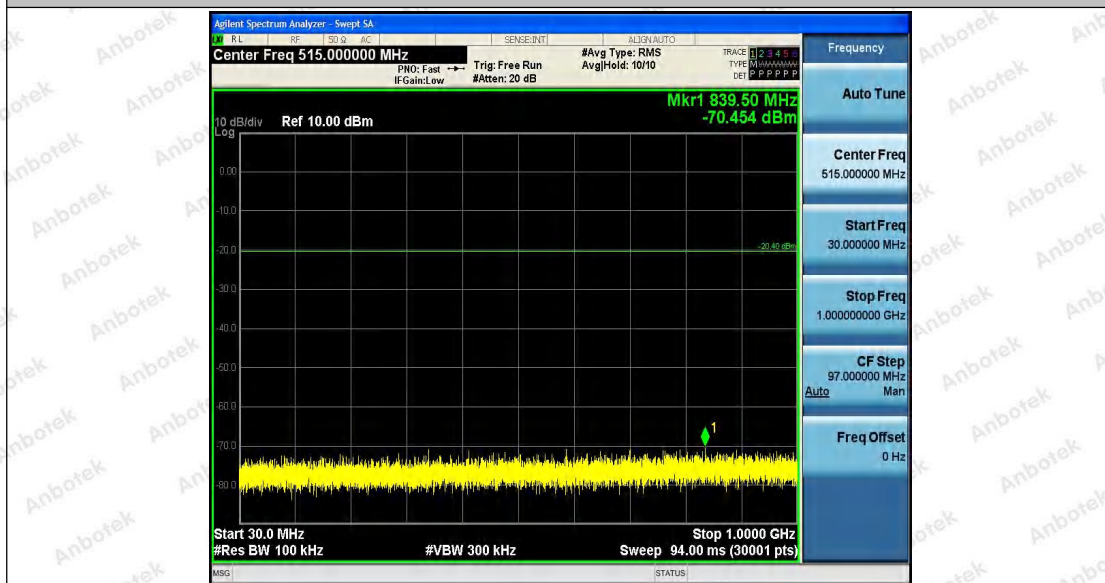
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DH5_Ant1_2441_0~Reference



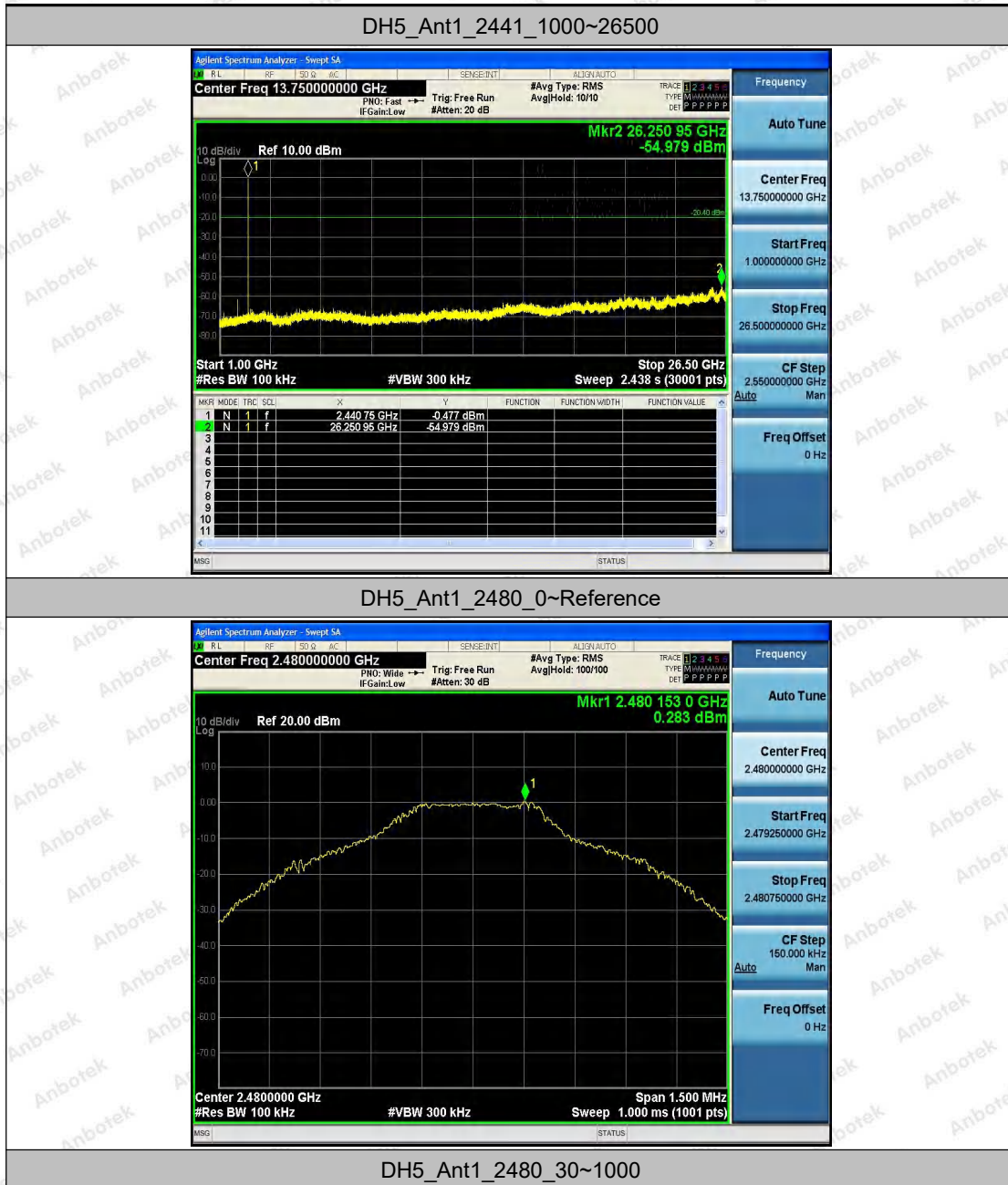
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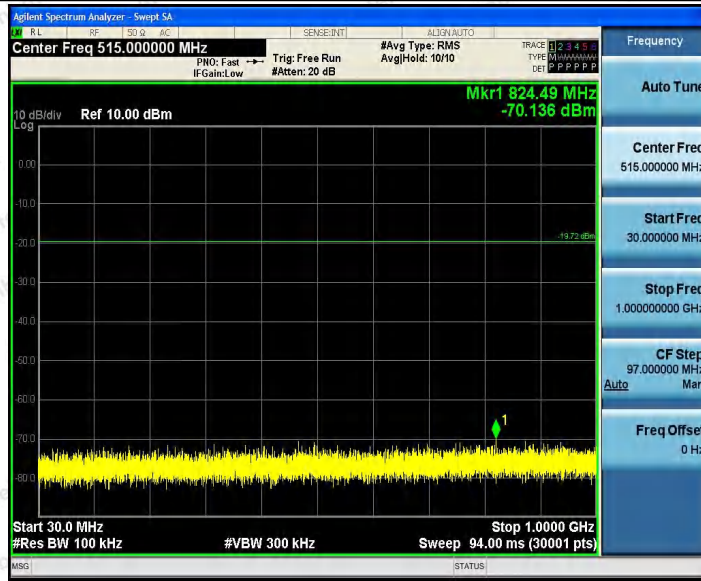
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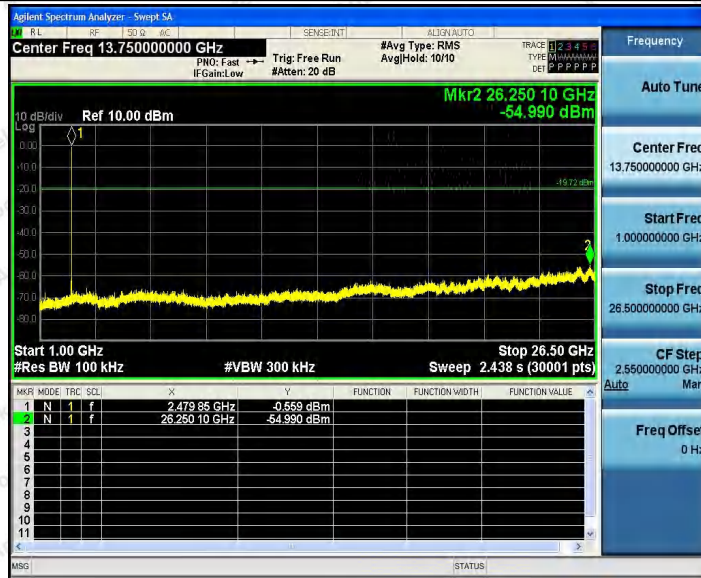
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DH5_Ant1_2480_1000~26500



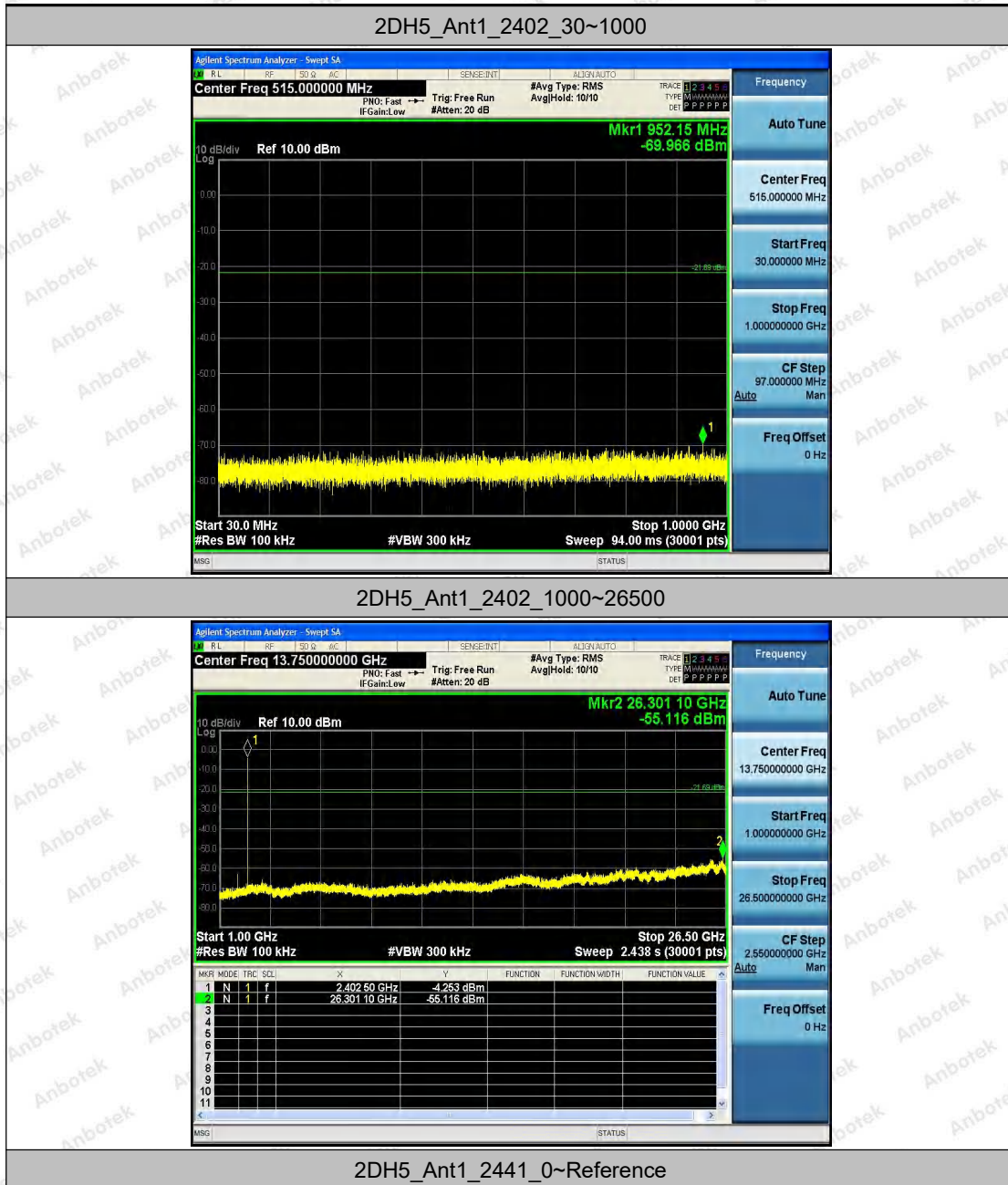
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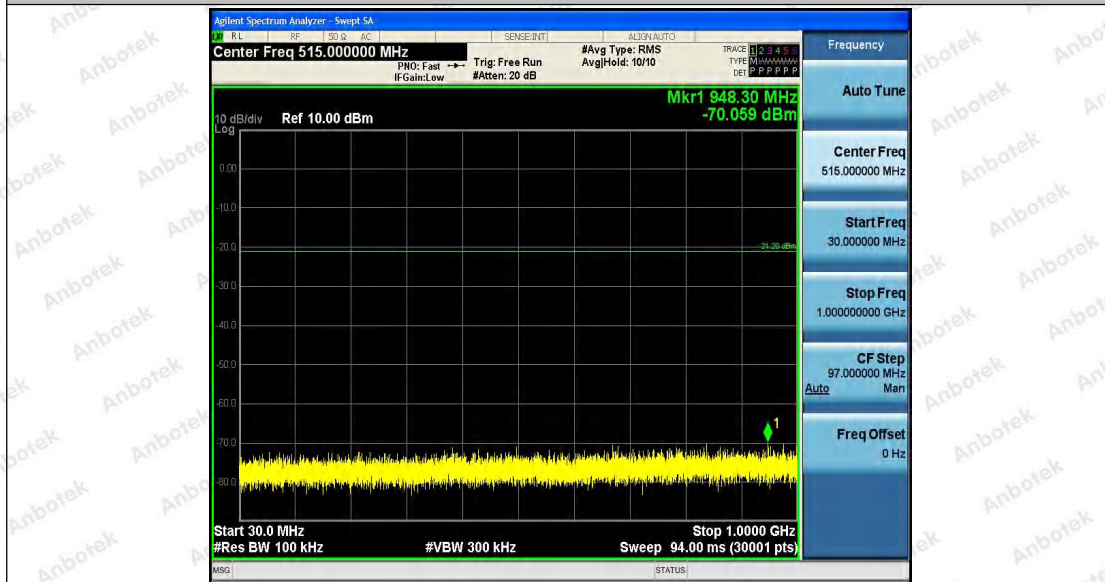
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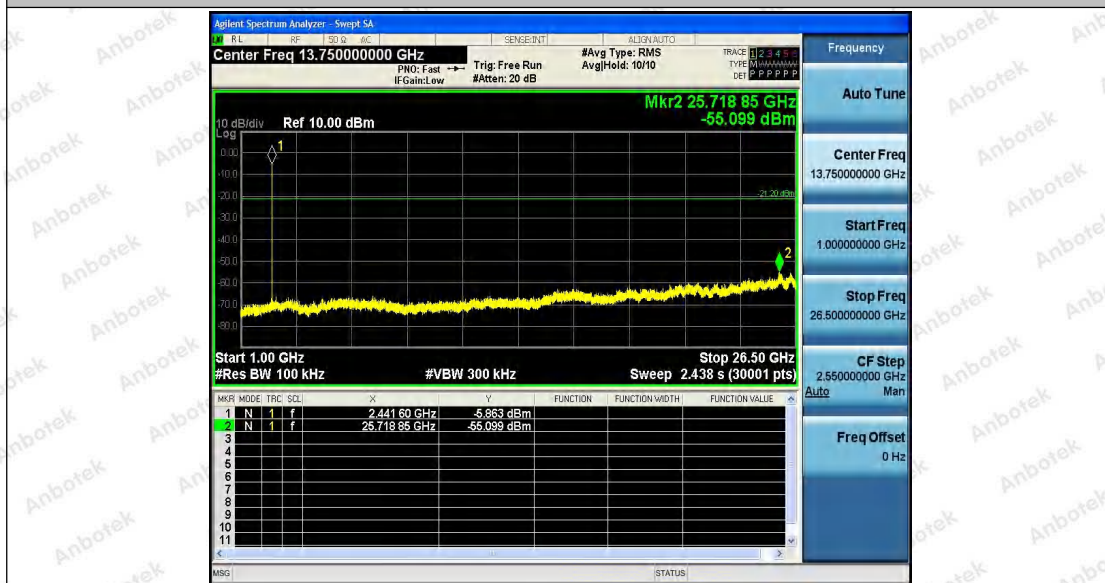
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2DH5_Ant1_2441_30~1000



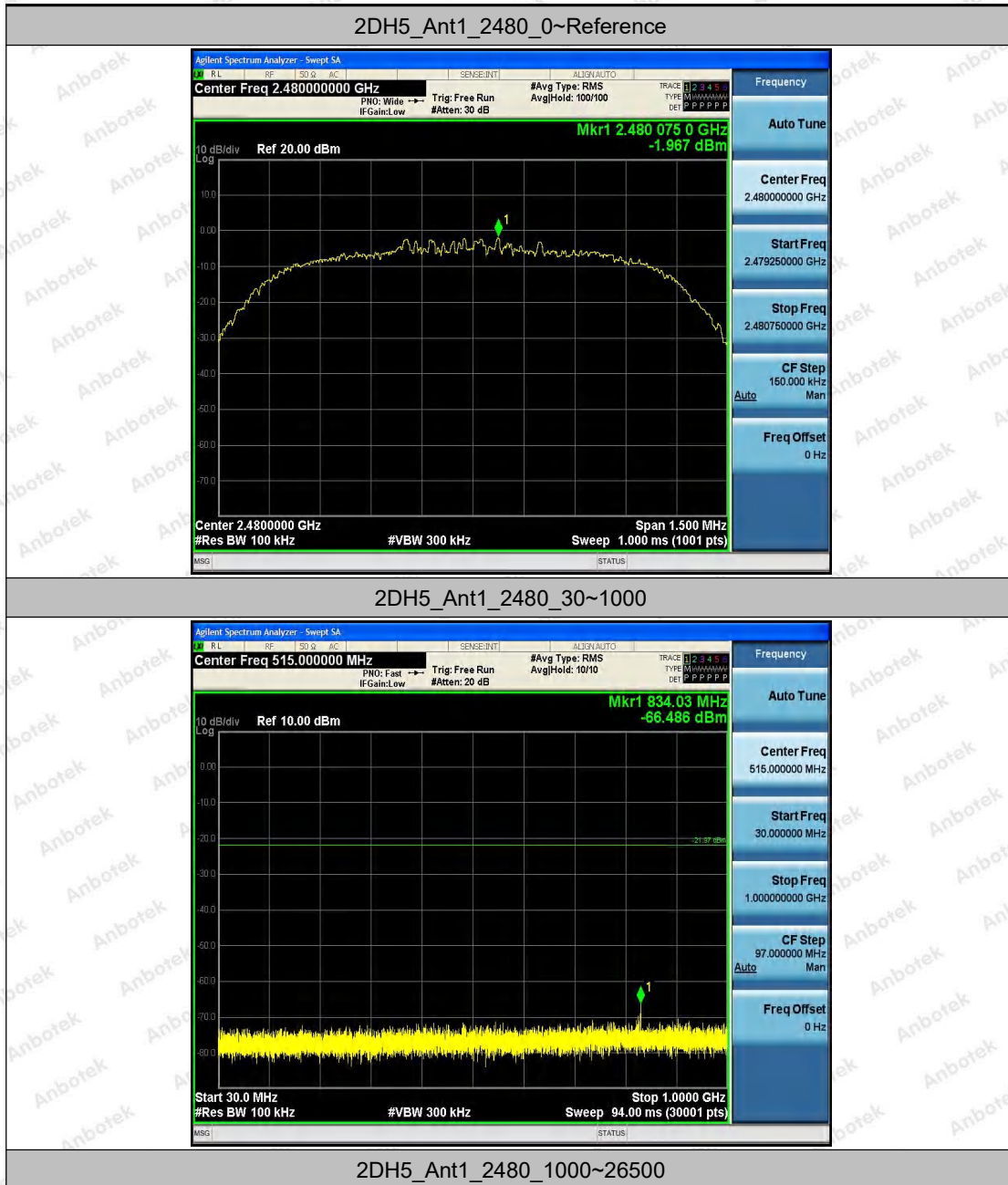
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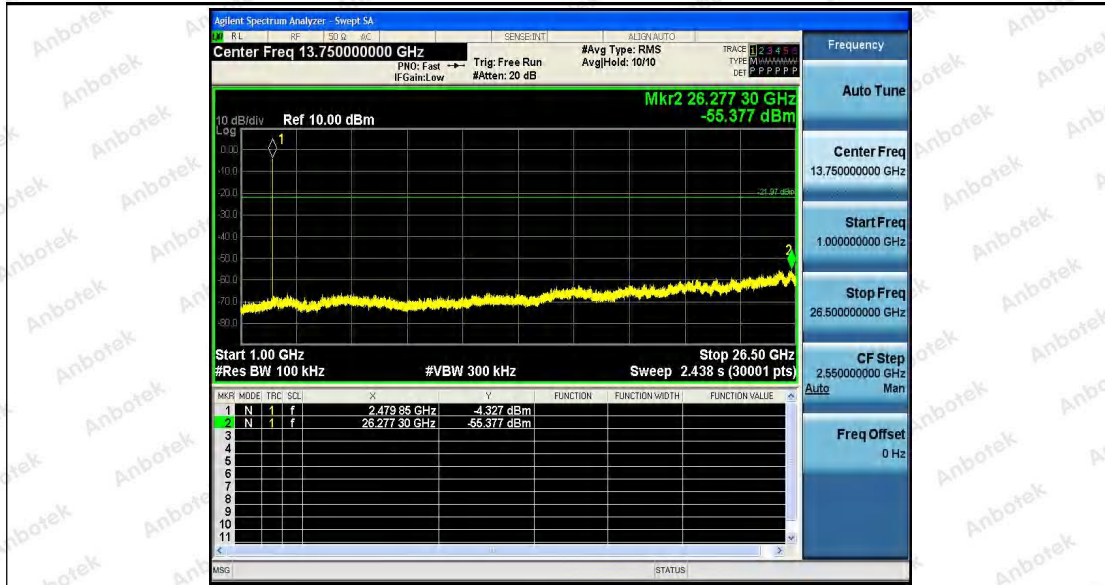
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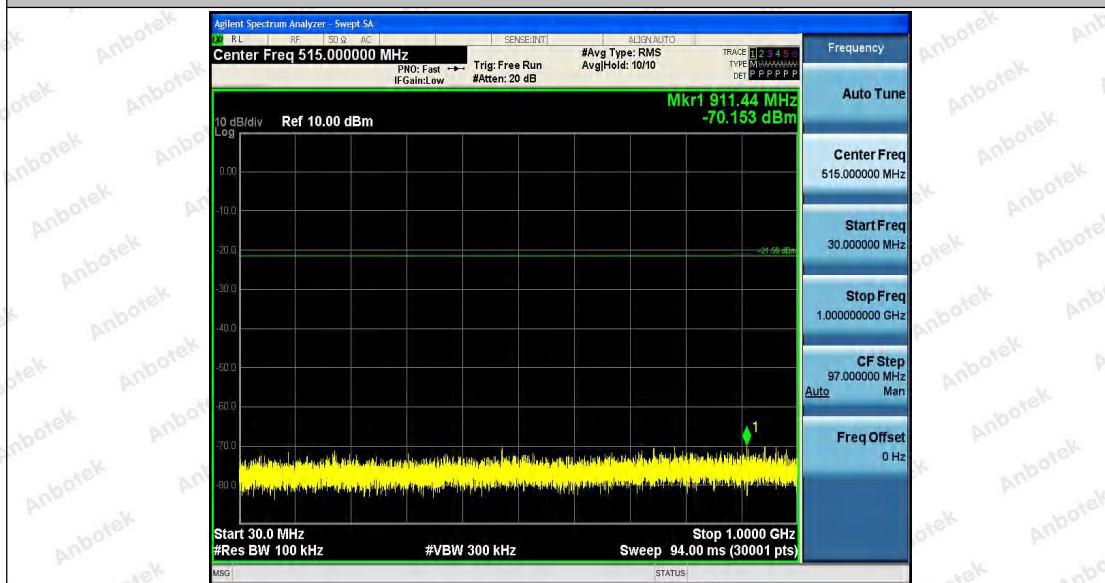
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3DH5_Ant1_2402_0~Reference



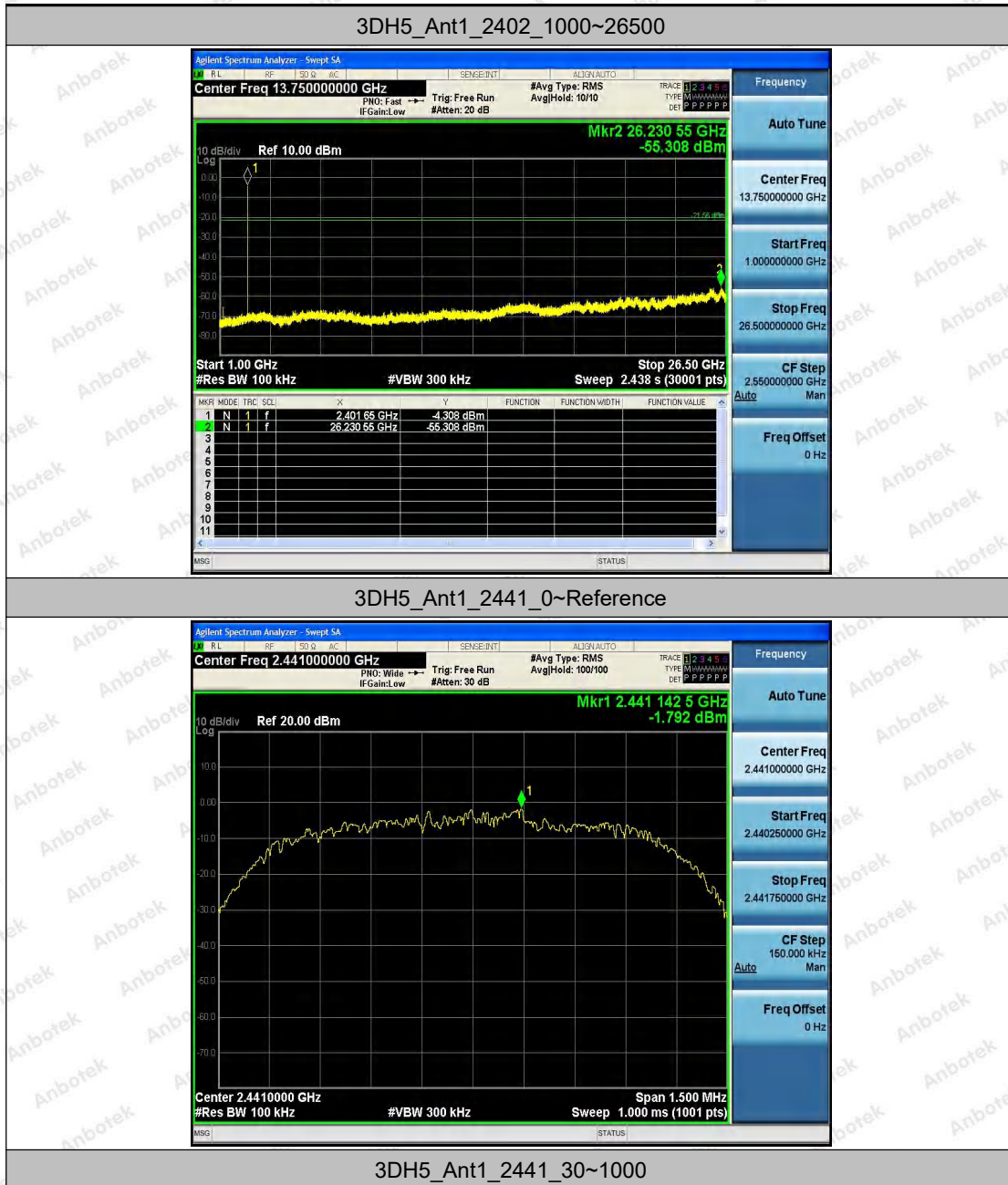
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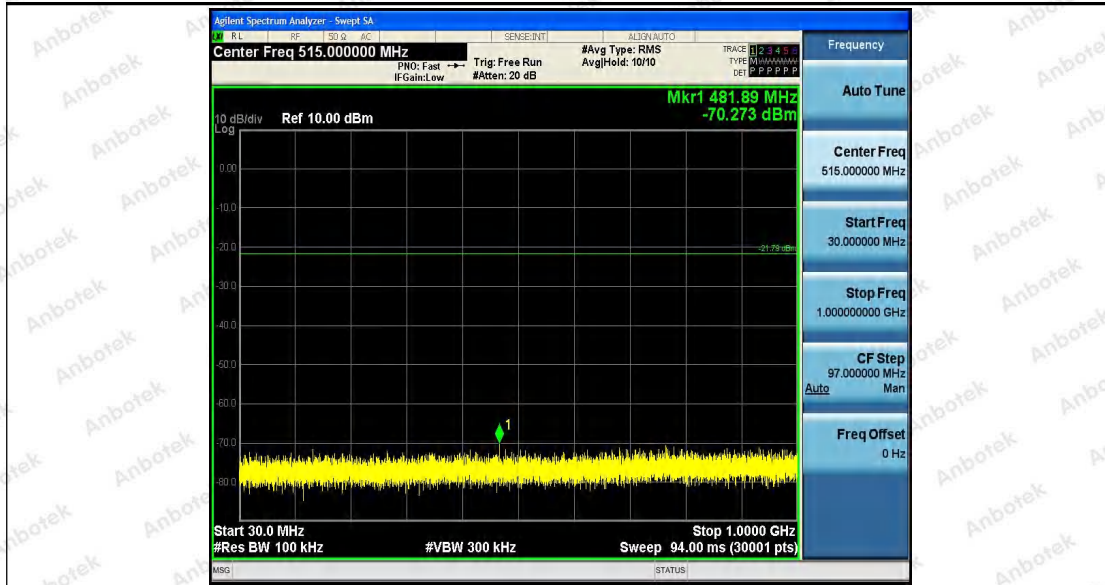
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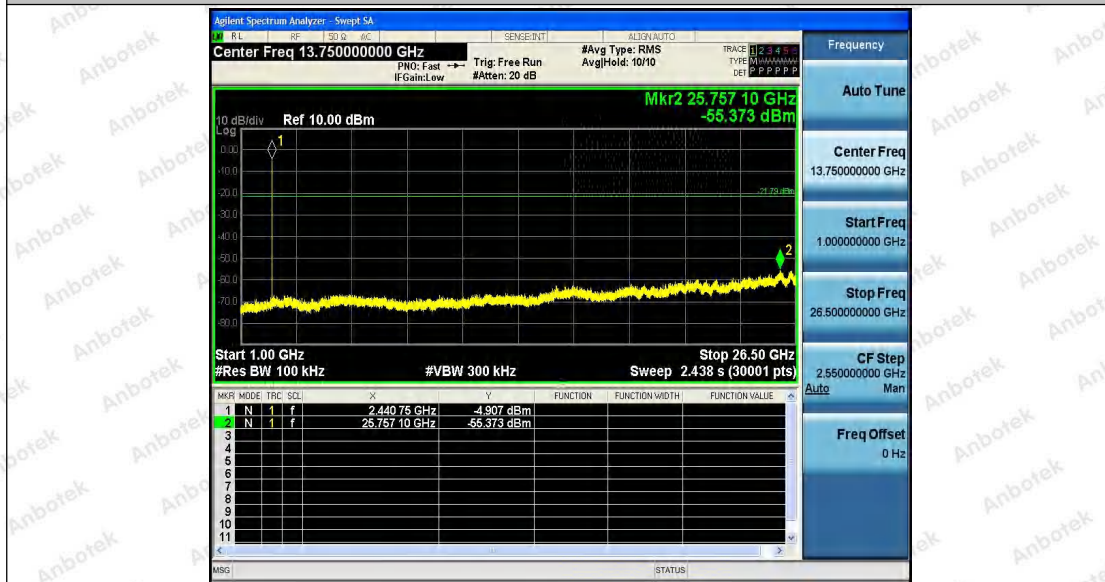
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3DH5_Ant1_2441_1000~26500



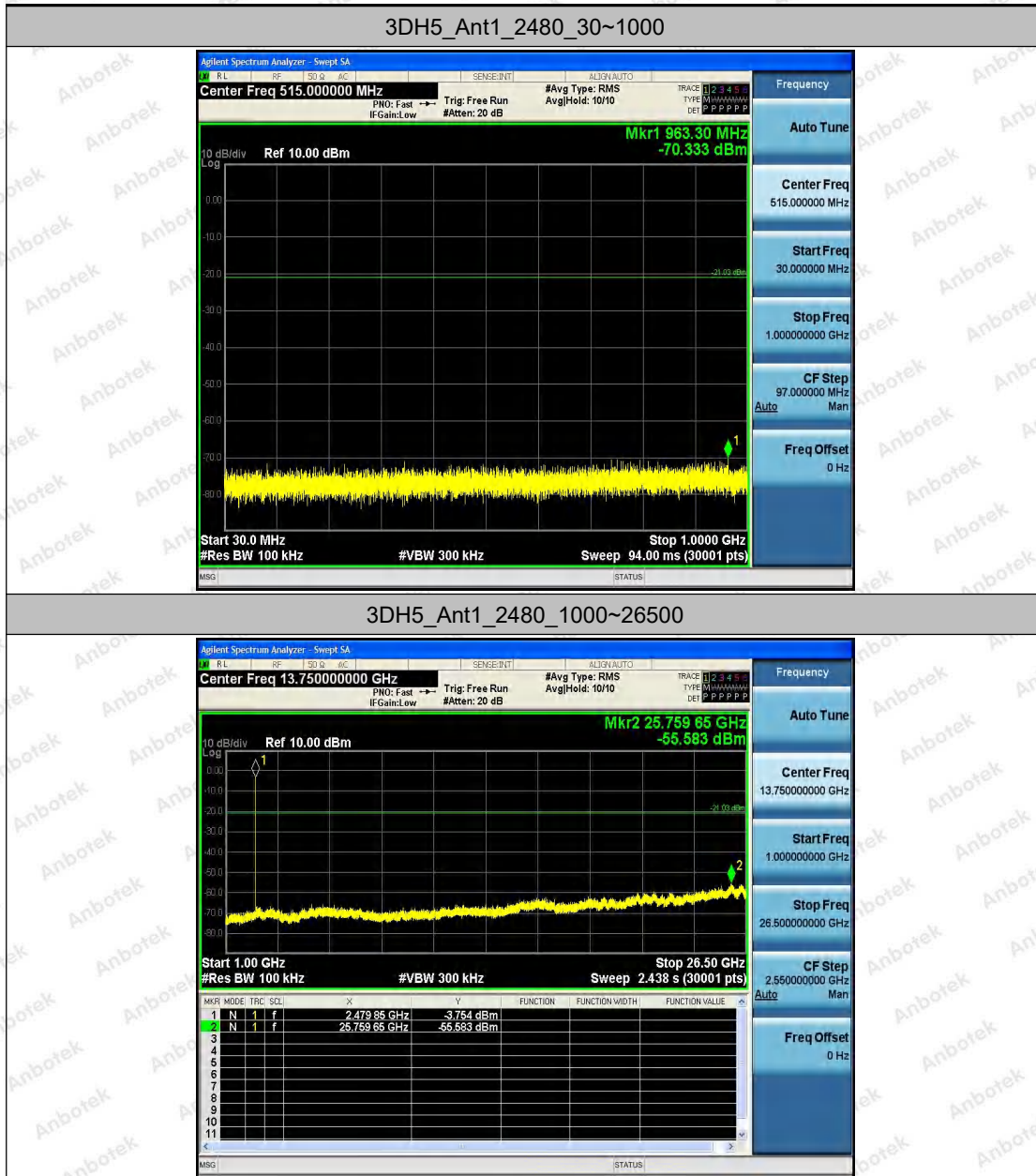
3DH5_Ant1_2480_0~Reference



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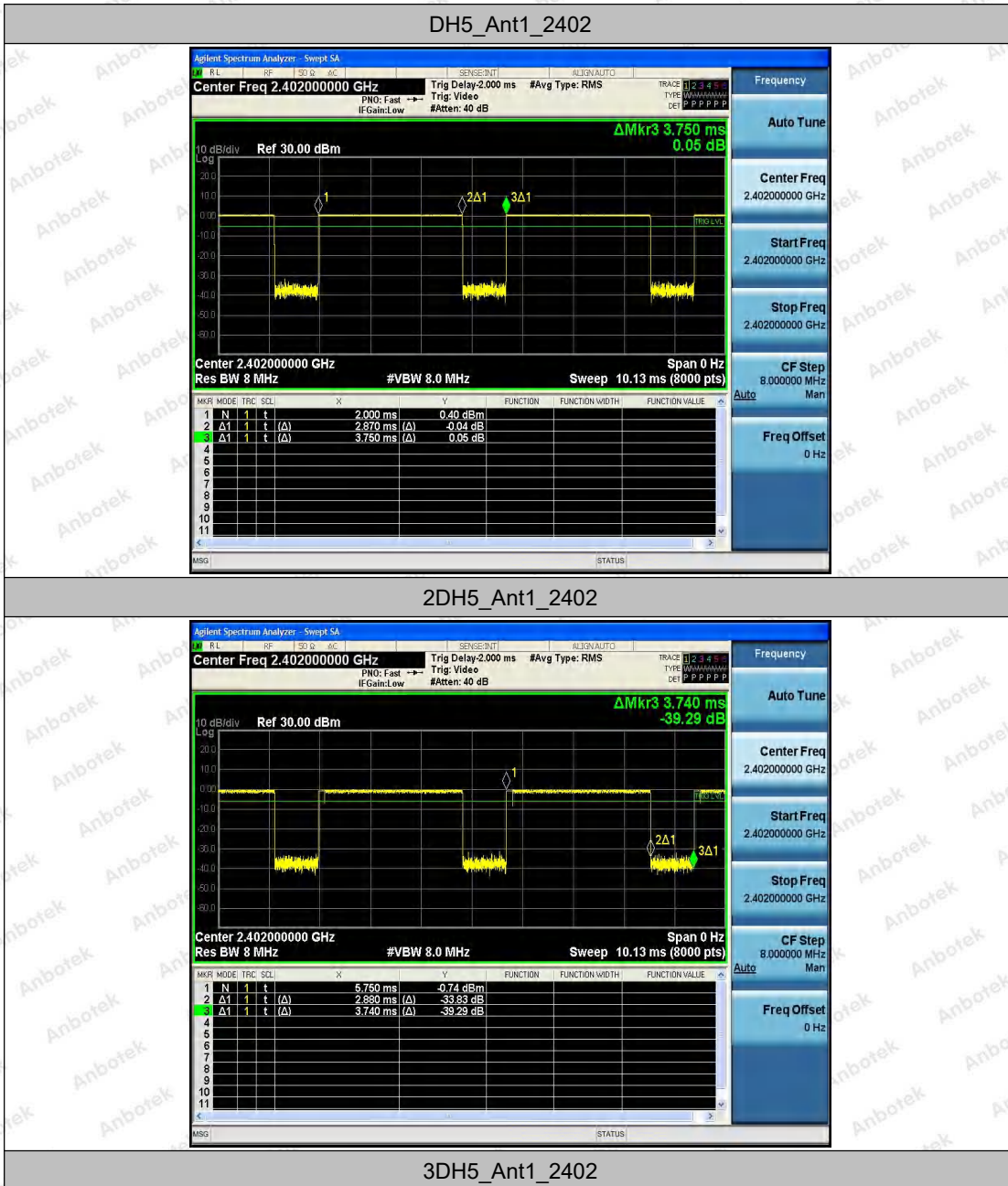
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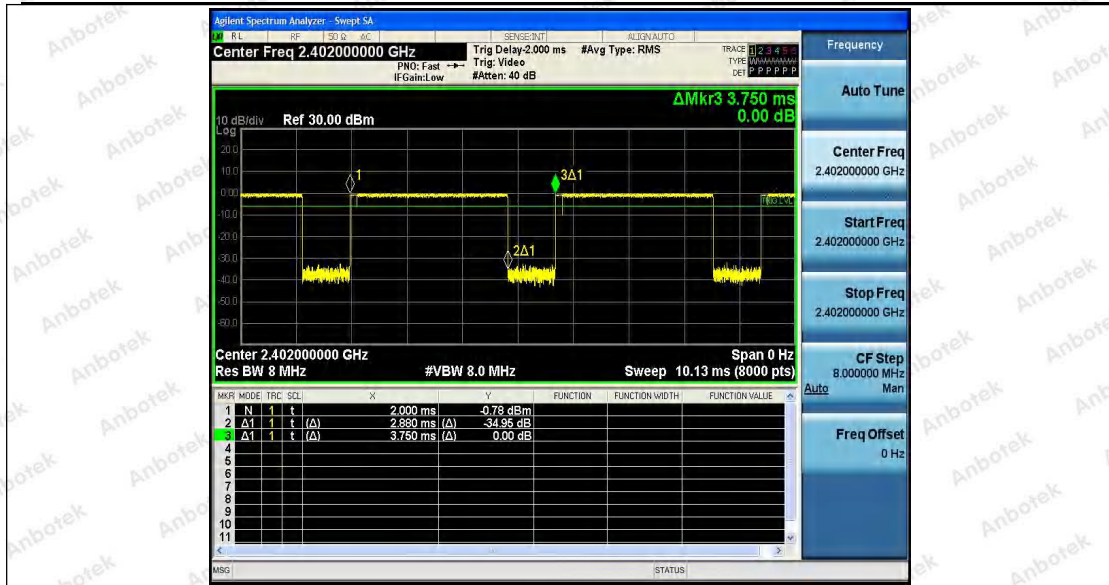
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
DH5	Ant1	2402	2.87	3.75	0.7653	76.53	1.16	---	PASS
2DH5	Ant1	2402	2.88	3.74	0.7701	77.01	1.13	---	PASS
3DH5	Ant1	2402	2.88	3.75	0.7680	76.80	1.15	---	PASS

Test Graphs





---End---

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