

Appendix Test Data

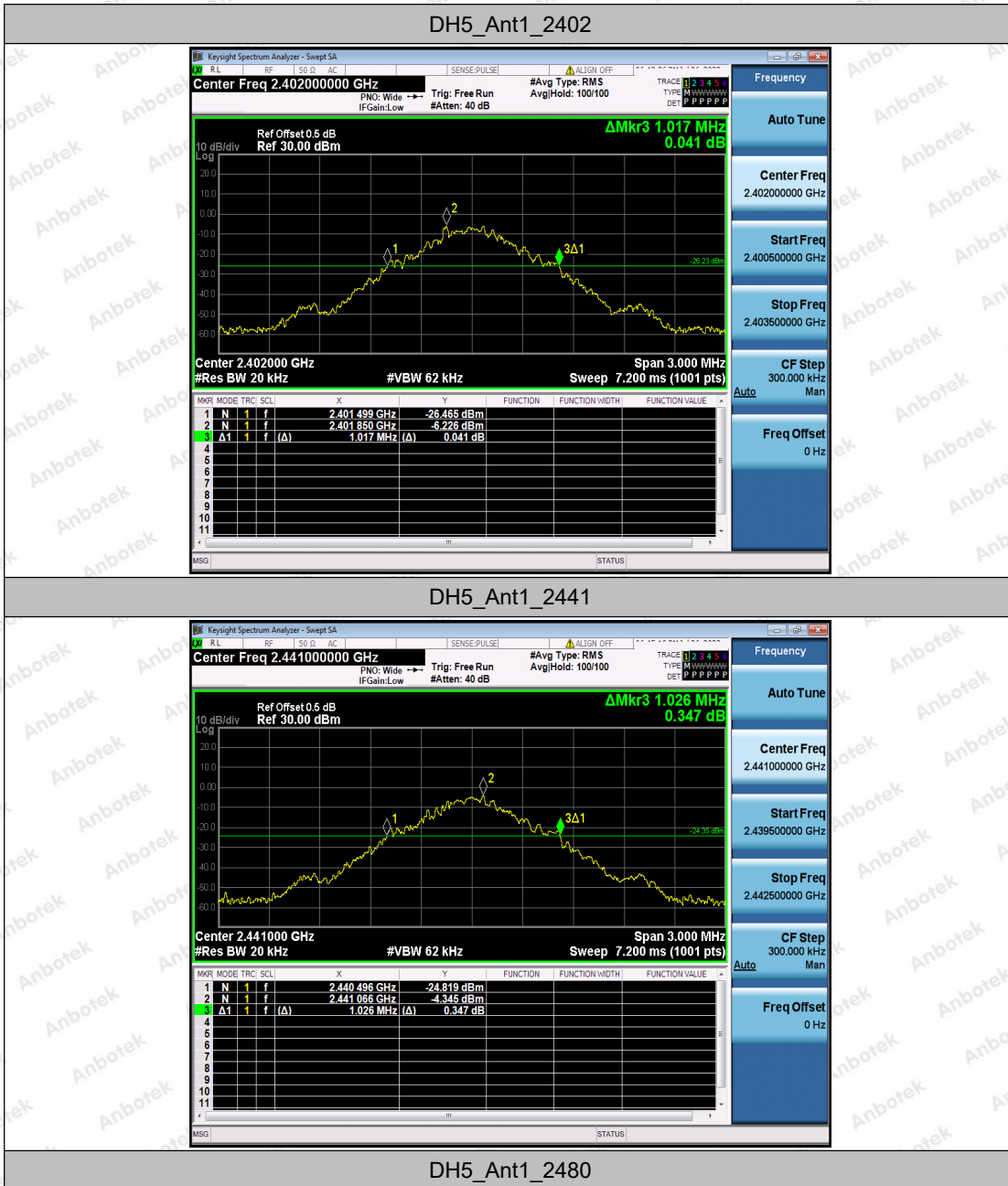
Report No.:	18220WC20144201	Test Sample No.:	1-2-2
Start Test Date:	2022.7.8	Finish Test Date:	2022.7.26
Test Engineer:	<i>Jomy He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.8°C	Relative Humidity:	54 %
Pressure:	1012 hPa		

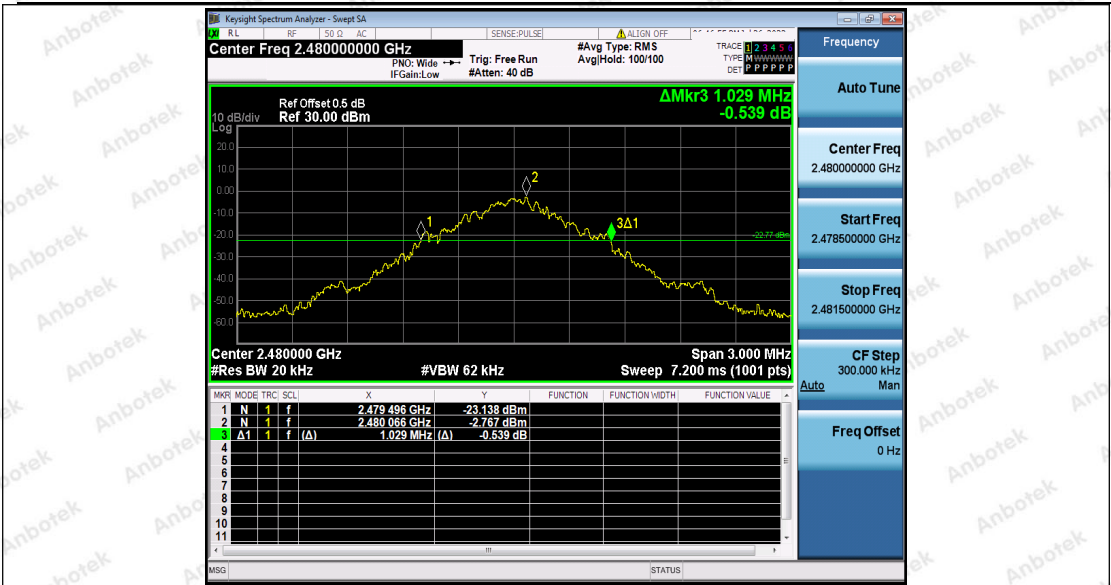
Appendix A: 20dB Emission Bandwidth

Test Result

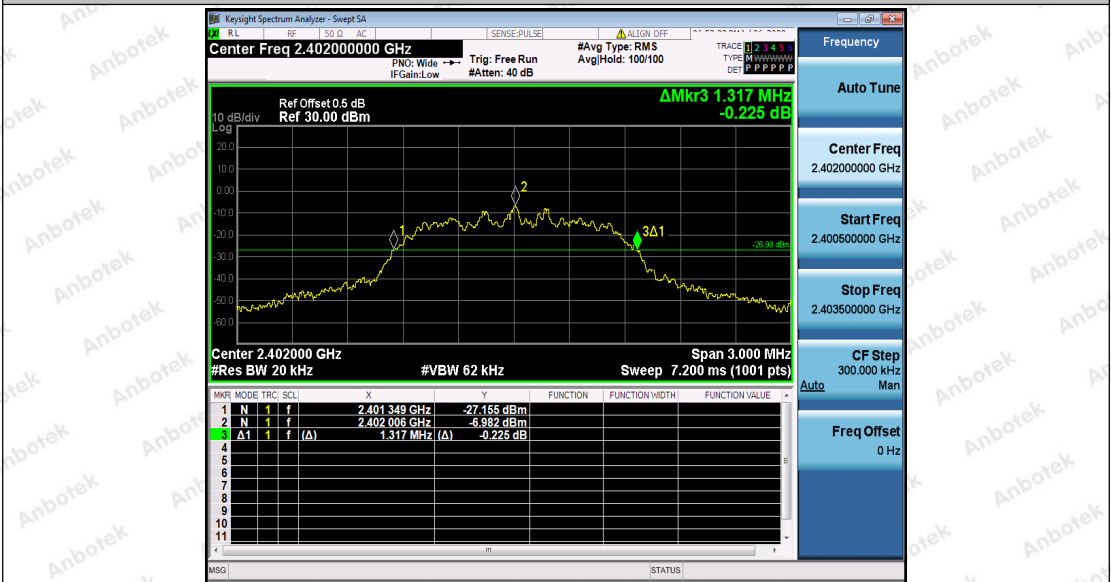
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.017	2401.499	2402.516	---	PASS
		2441	1.026	2440.496	2441.522	---	PASS
		2480	1.029	2479.496	2480.525	---	PASS
2DH5	Ant1	2402	1.317	2401.349	2402.666	---	PASS
		2441	1.332	2440.343	2441.675	---	PASS
		2480	1.326	2479.346	2480.672	---	PASS
3DH5	Ant1	2402	1.293	2401.355	2402.648	---	PASS
		2441	1.269	2440.364	2441.633	---	PASS
		2480	1.299	2479.346	2480.645	---	PASS

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



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3DH5_Ant1_2441

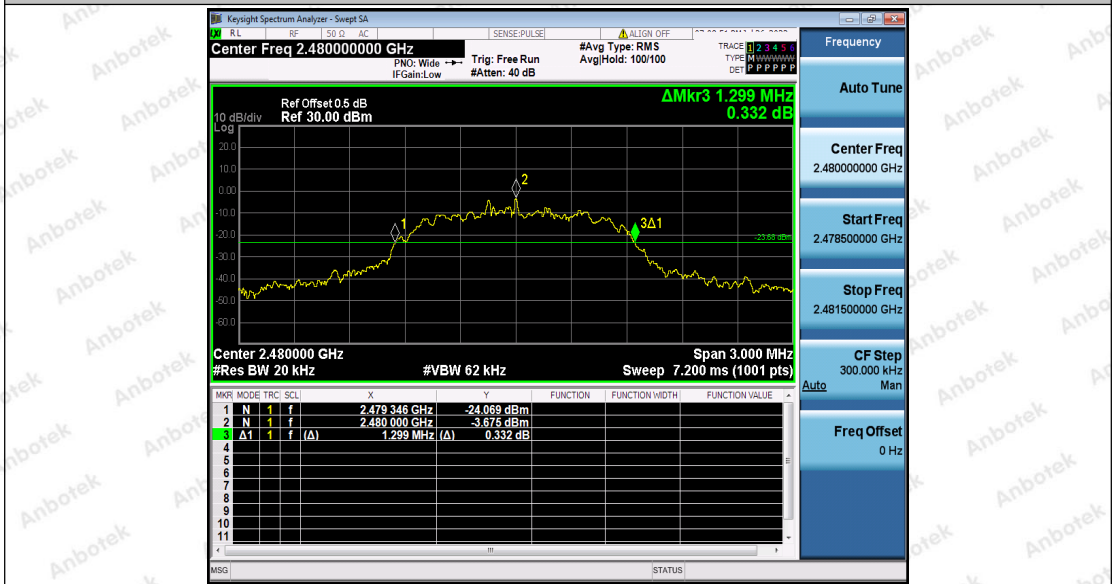
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3DH5_Ant1_2480



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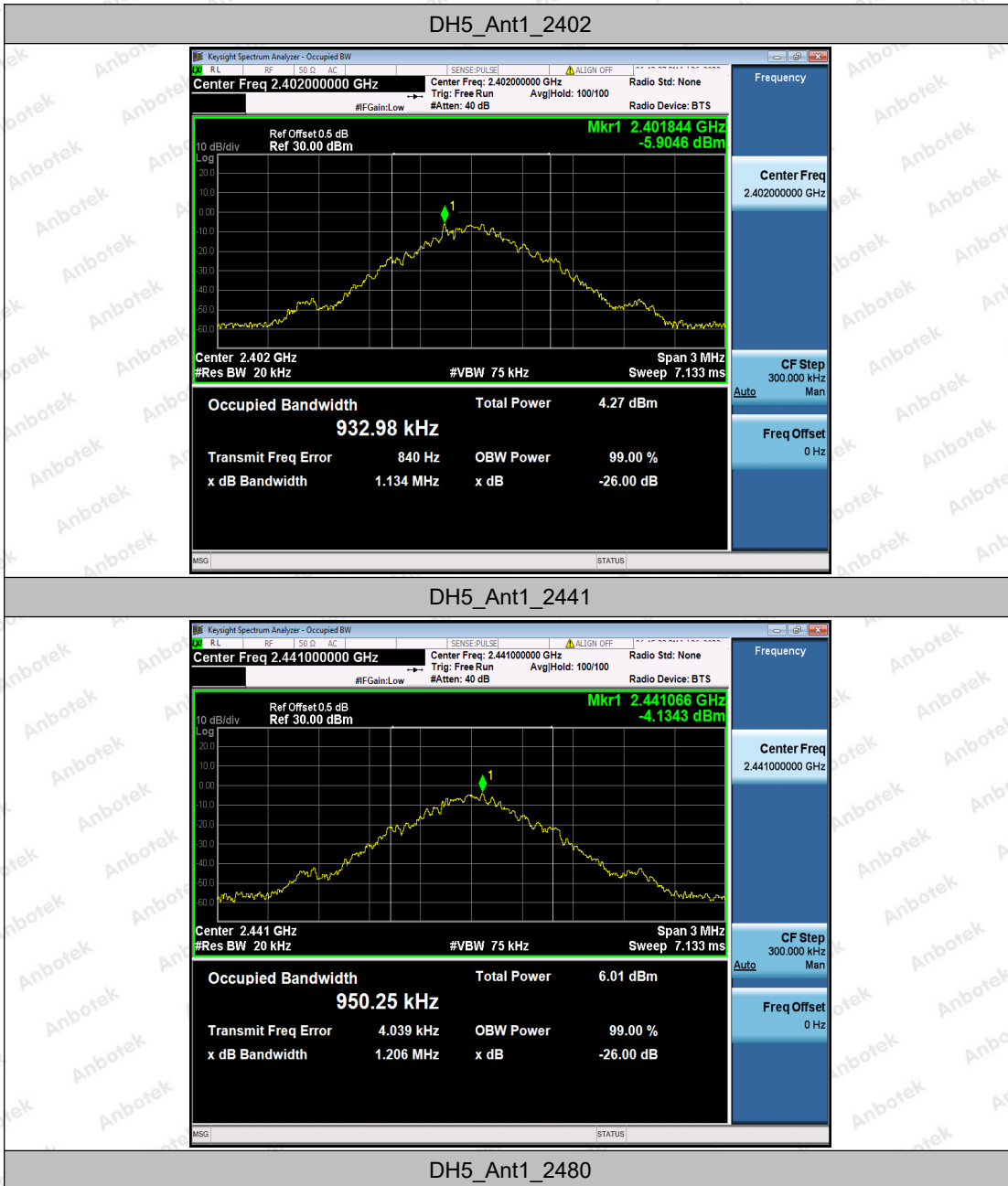
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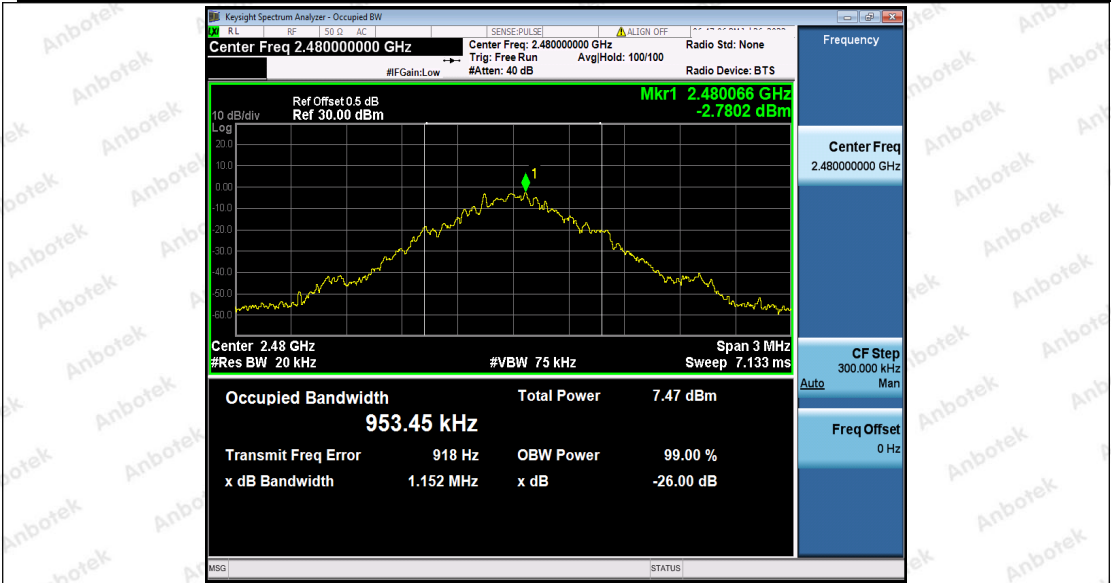
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.93298	2401.53 4	2402.467	---	PASS
		2441	0.95025	2440.52 9	2441.479	---	PASS
		2480	0.95345	2479.52 4	2480.478	---	PASS
2DH5	Ant1	2402	1.1986	2401.41 0	2402.609	---	PASS
		2441	1.2146	2440.40 6	2441.620	---	PASS
		2480	1.2327	2479.39 6	2480.628	---	PASS
3DH5	Ant1	2402	1.2068	2401.39 9	2402.606	---	PASS
		2441	1.2069	2440.40 1	2441.608	---	PASS
		2480	1.2100	2479.39 6	2480.606	---	PASS

Test Graphs

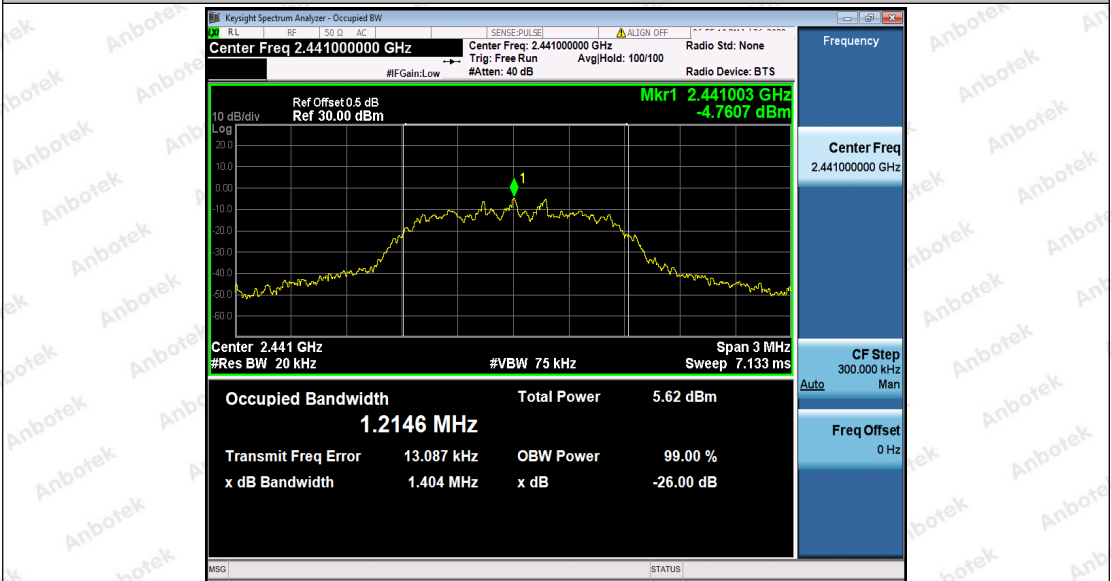




2DH5_Ant1_2402



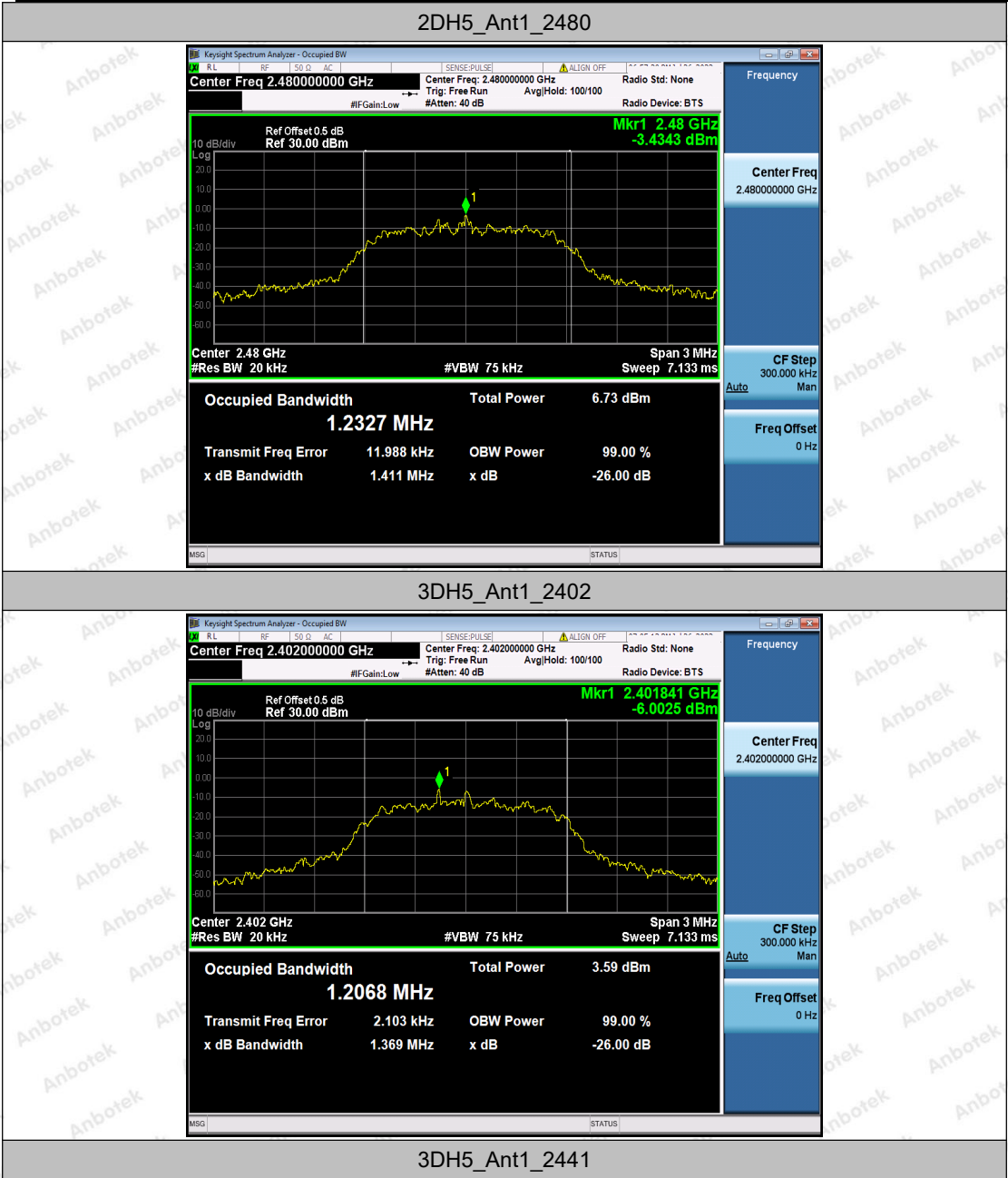
2DH5_Ant1_2441



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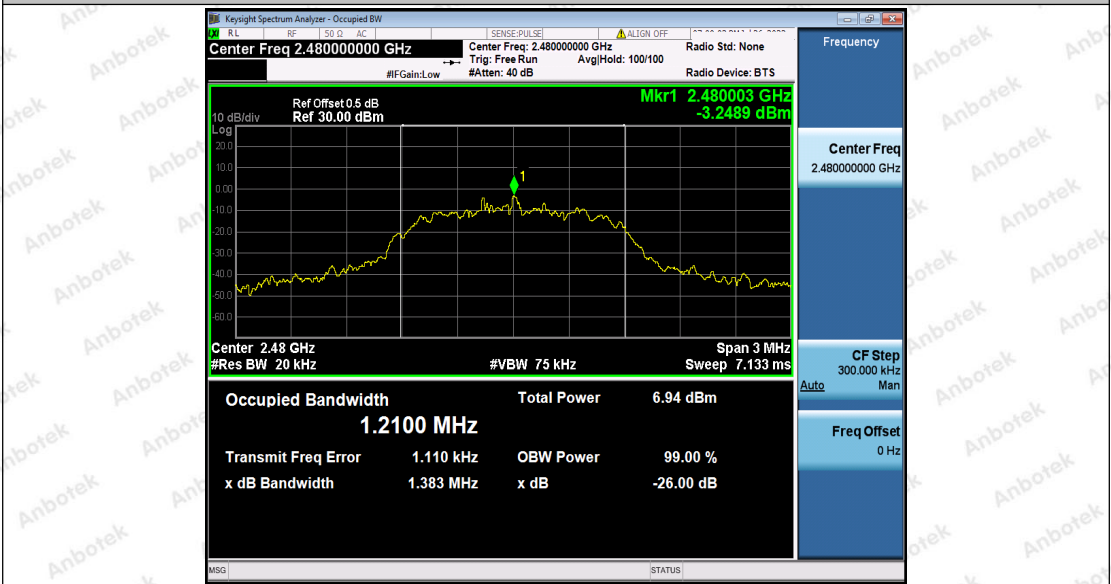
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3DH5_Ant1_2480



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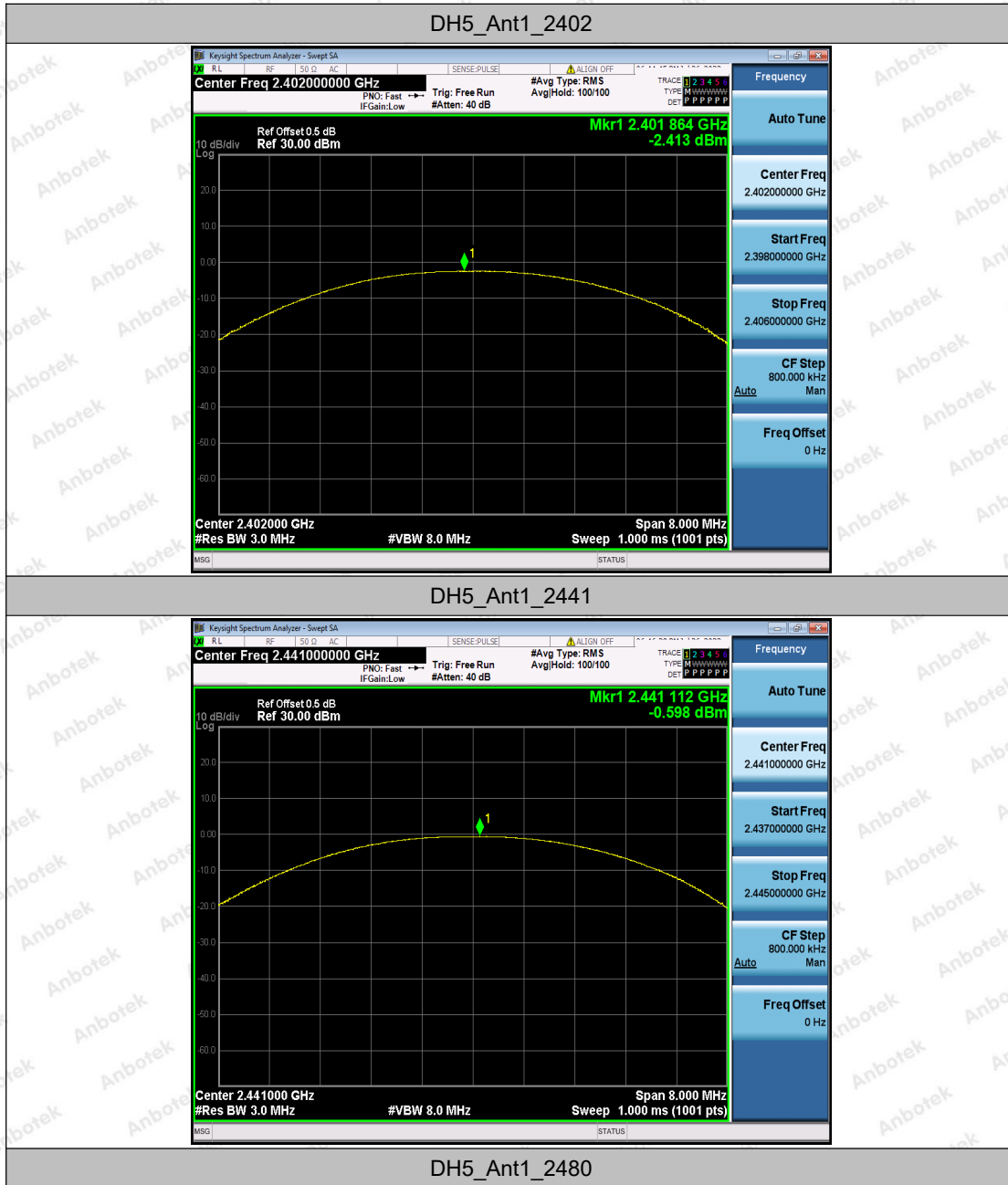
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-2.41	≤20.97	PASS
		2441	-0.6	≤20.97	PASS
		2480	0.72	≤20.97	PASS
2DH5	Ant1	2402	-1.59	≤20.97	PASS
		2441	0.17	≤20.97	PASS
		2480	1.32	≤20.97	PASS
3DH5	Ant1	2402	-1.25	≤20.97	PASS
		2441	0.49	≤20.97	PASS
		2480	1.69	≤20.97	PASS

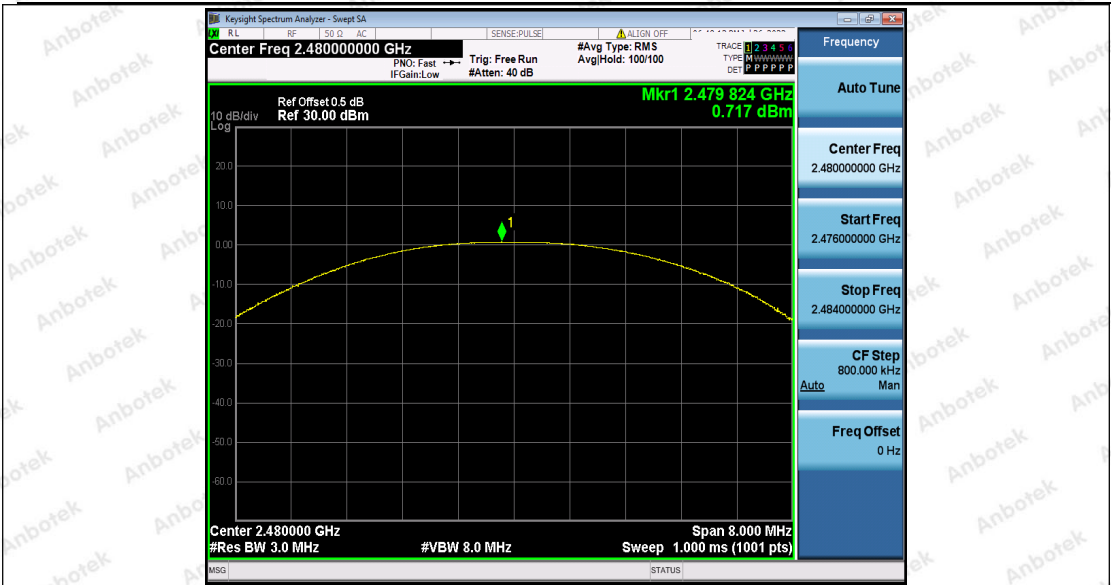
Test Graphs



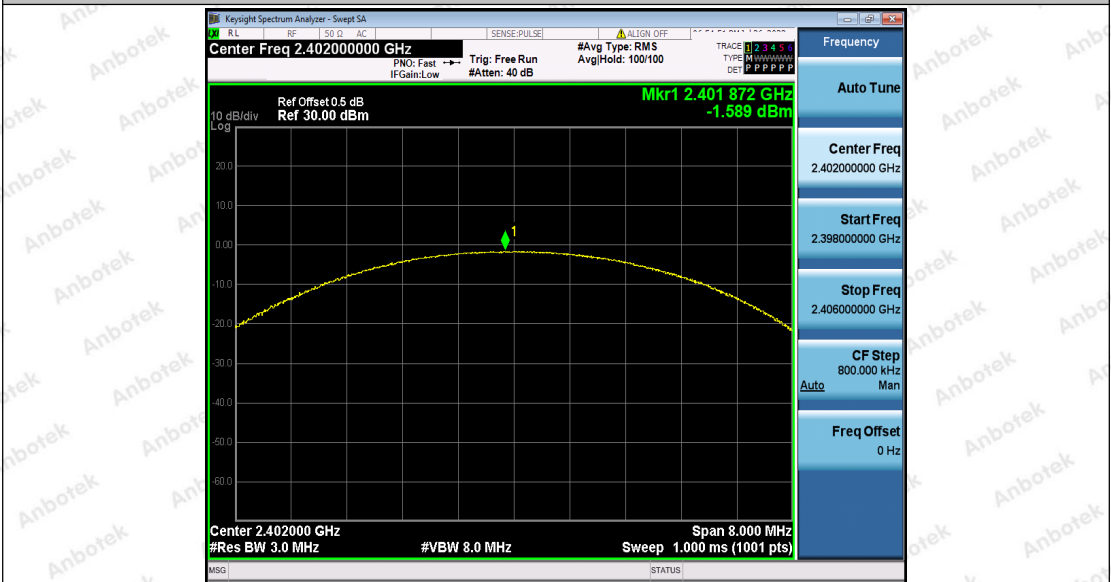
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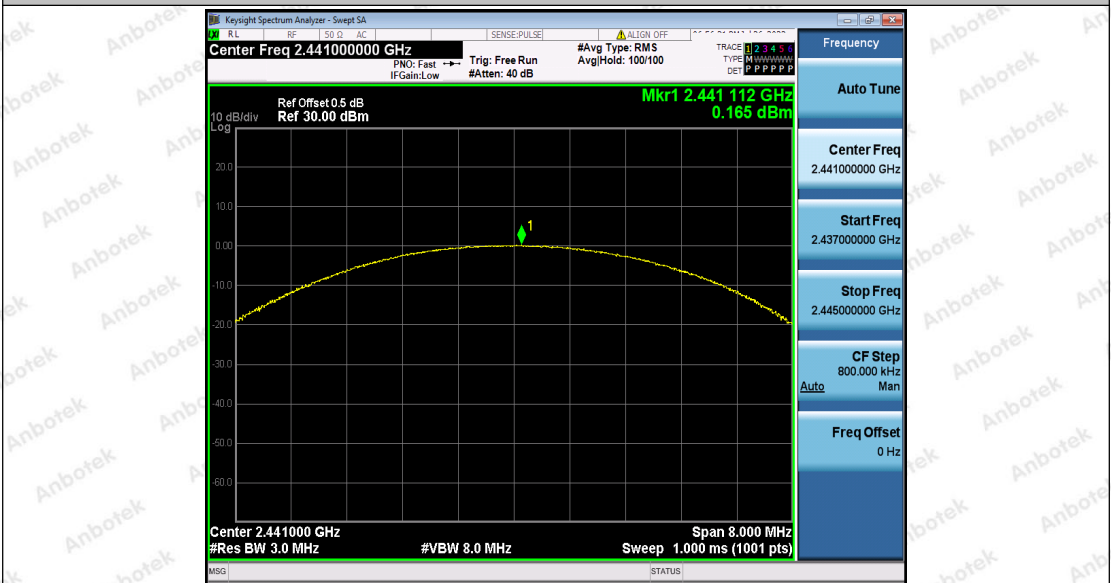
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2DH5_Ant1_2402



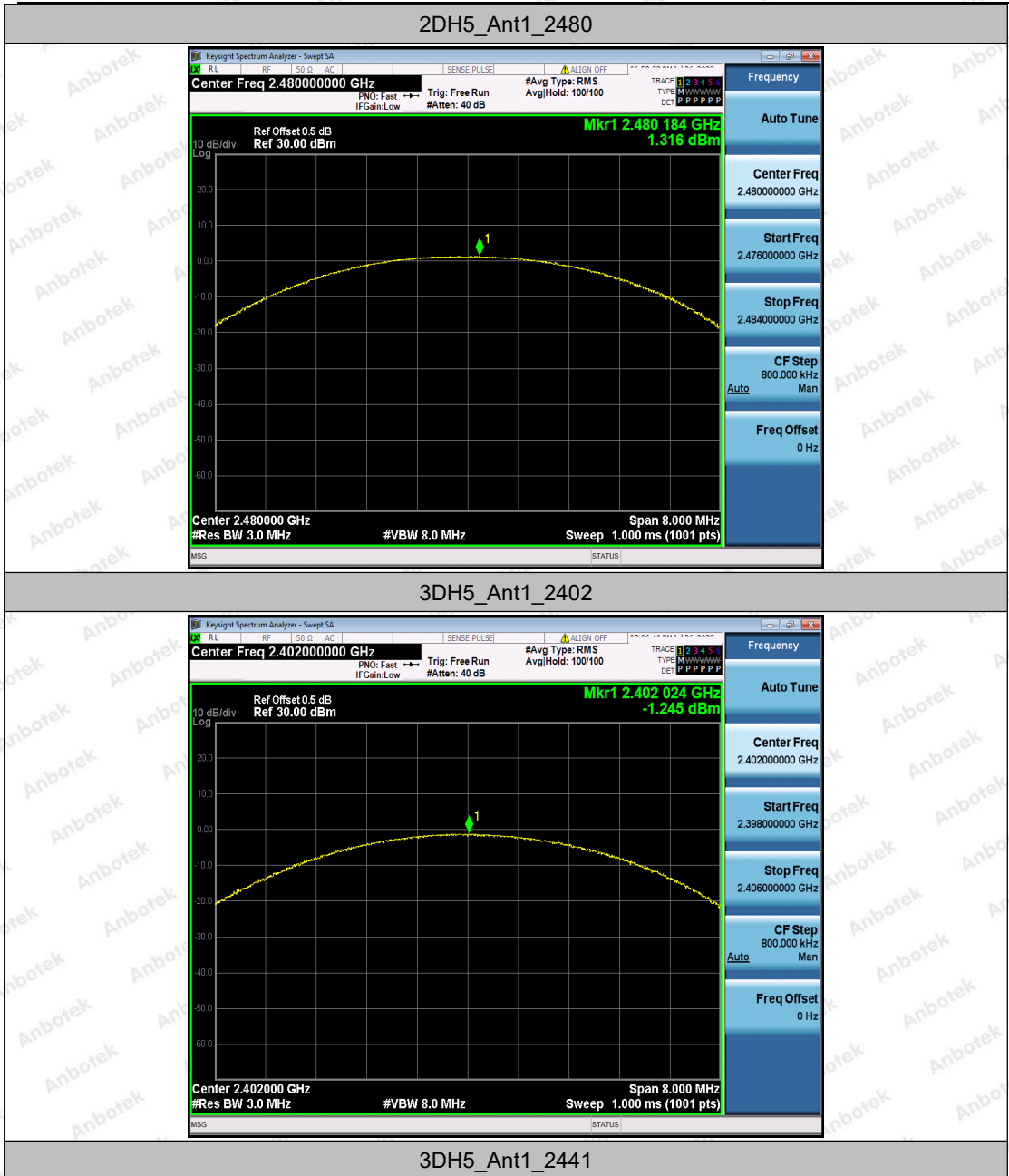
2DH5_Ant1_2441



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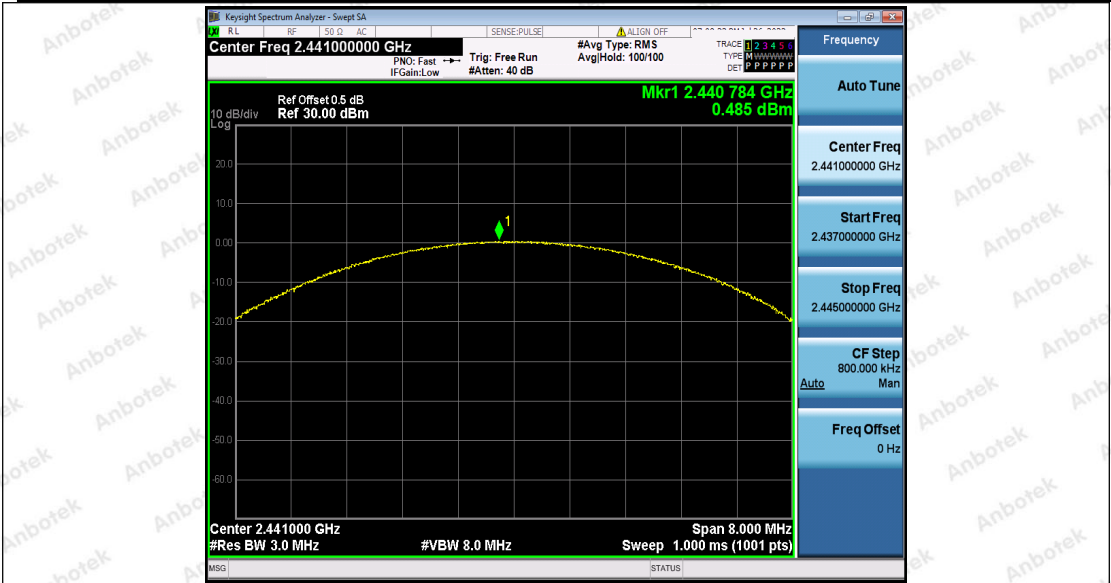


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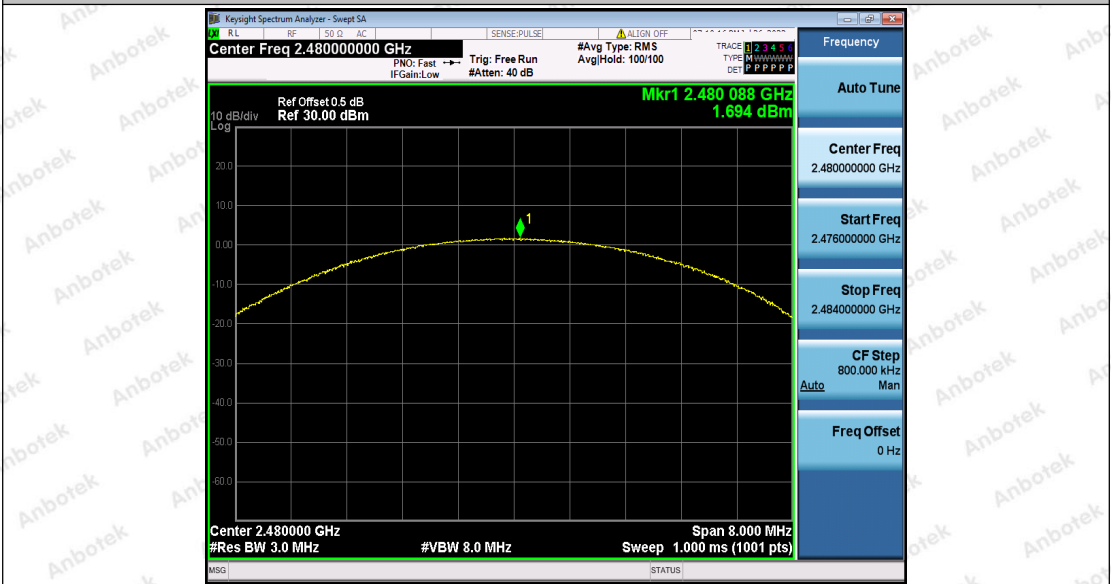
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3DH5_Ant1_2480



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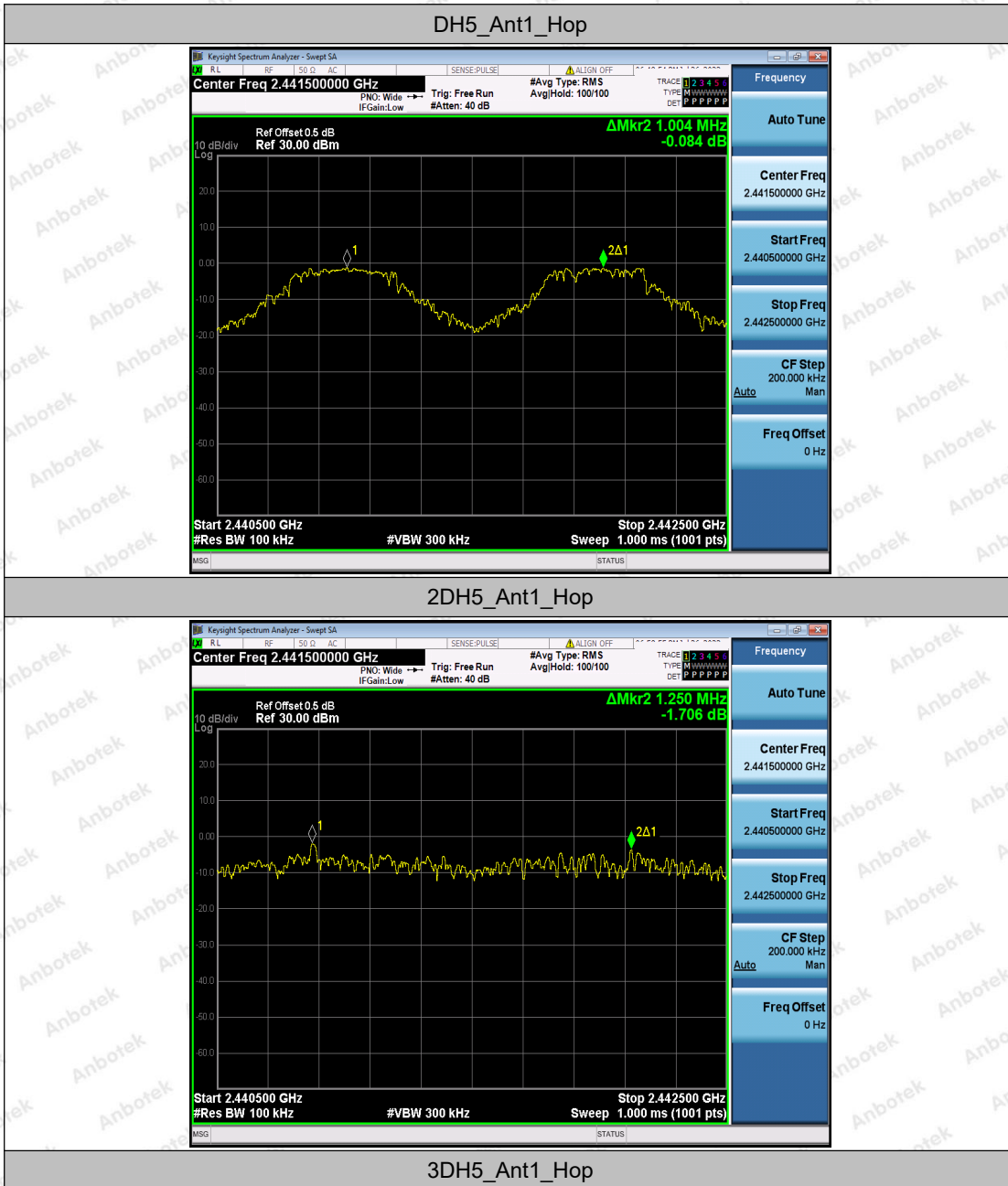
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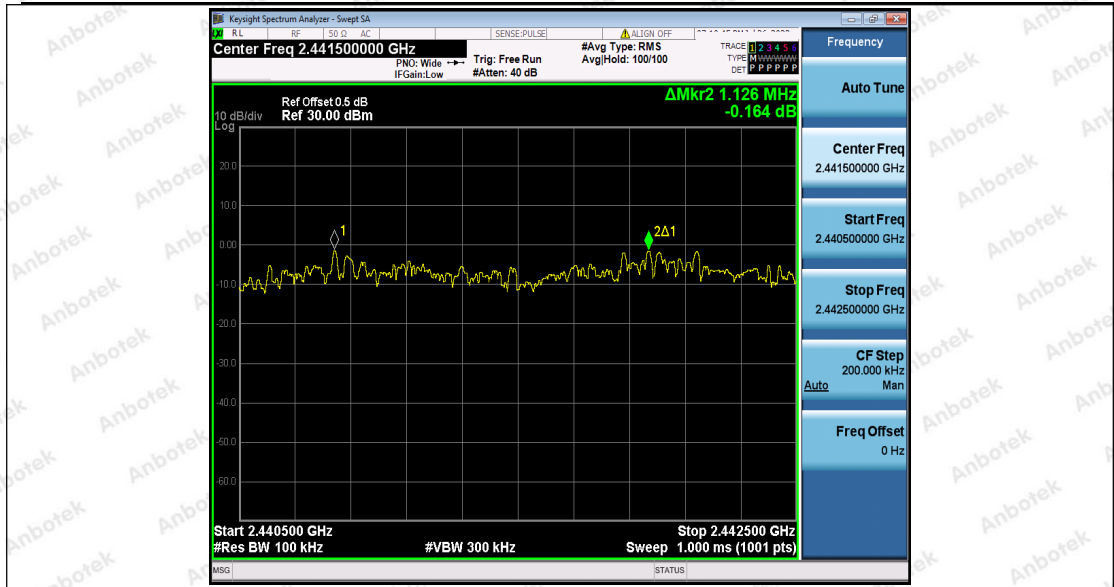
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥0.686	PASS
2DH5	Ant1	Hop	1.25	≥0.888	PASS
3DH5	Ant1	Hop	1.126	≥0.866	PASS

Test Graphs





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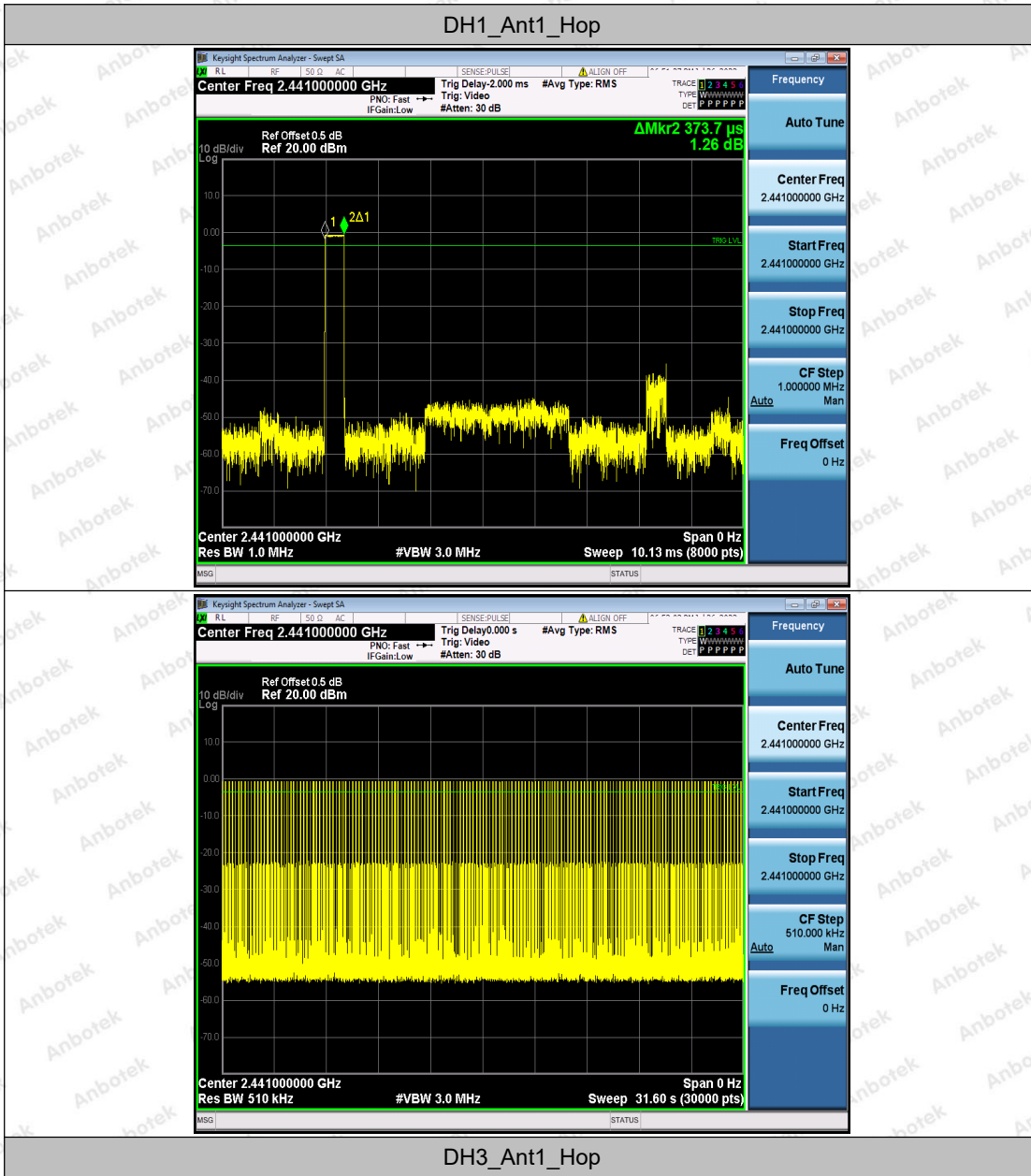
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	318	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.63	165	0.269	≤0.4	PASS
DH5	Ant1	Hop	2.88	108	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.38	316	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.64	162	0.265	≤0.4	PASS
2DH5	Ant1	Hop	2.88	103	0.297	≤0.4	PASS
3DH1	Ant1	Hop	0.39	315	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.64	149	0.244	≤0.4	PASS
3DH5	Ant1	Hop	2.89	108	0.312	≤0.4	PASS

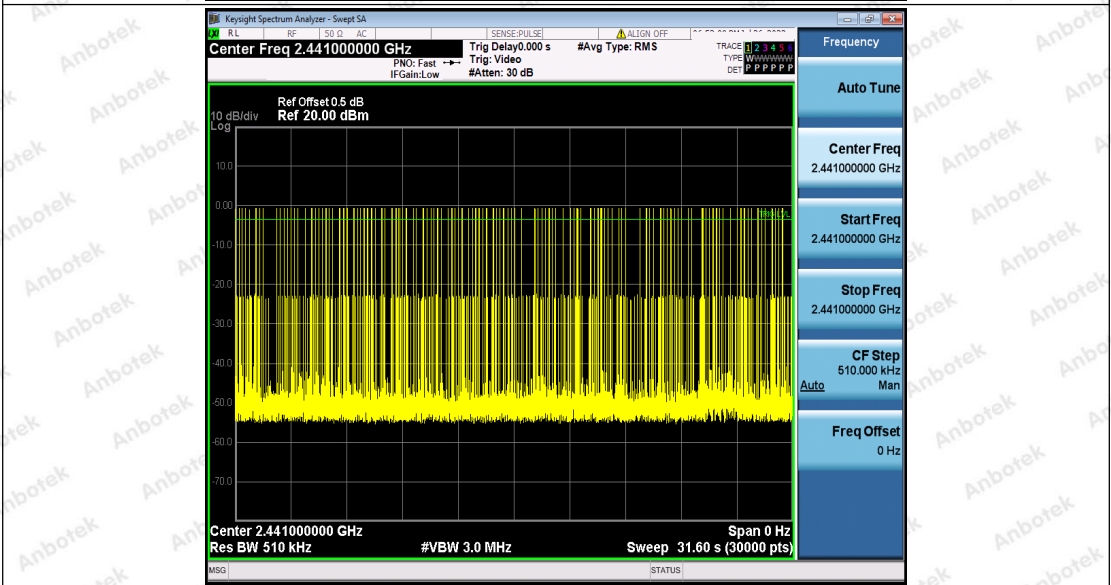
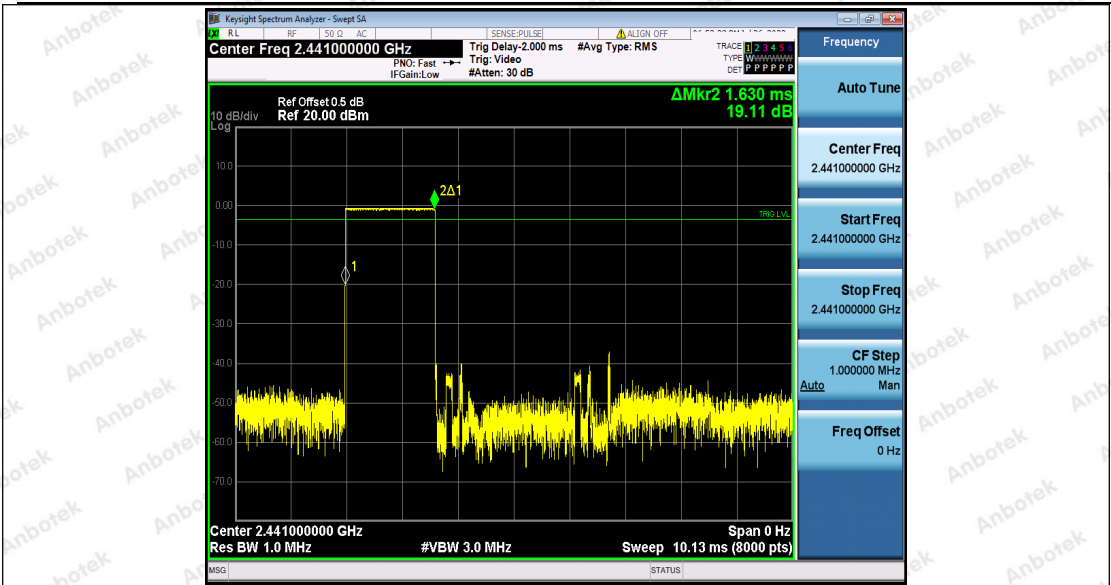
Test Graphs



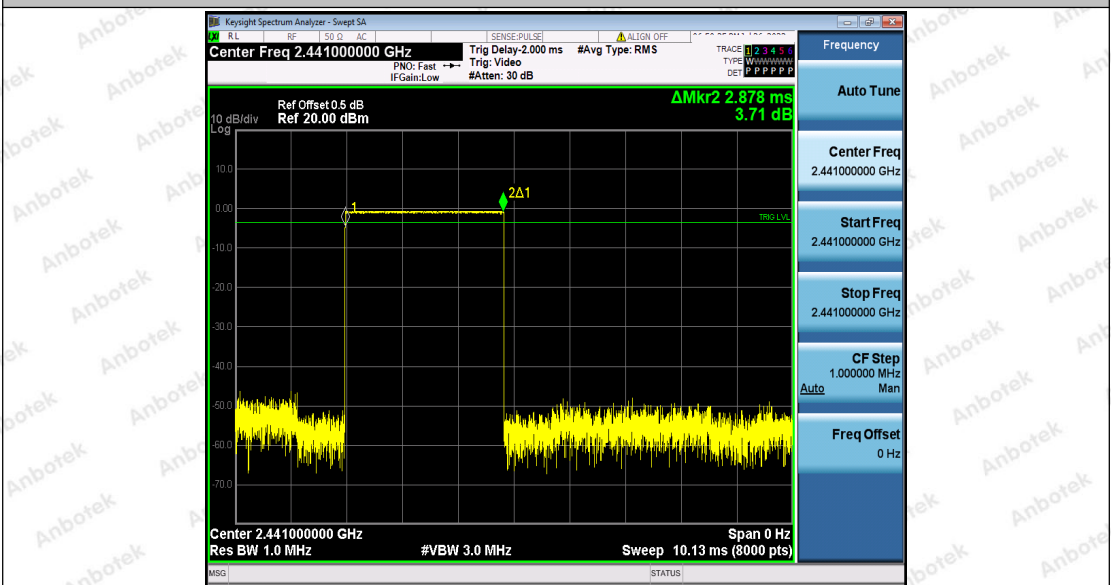
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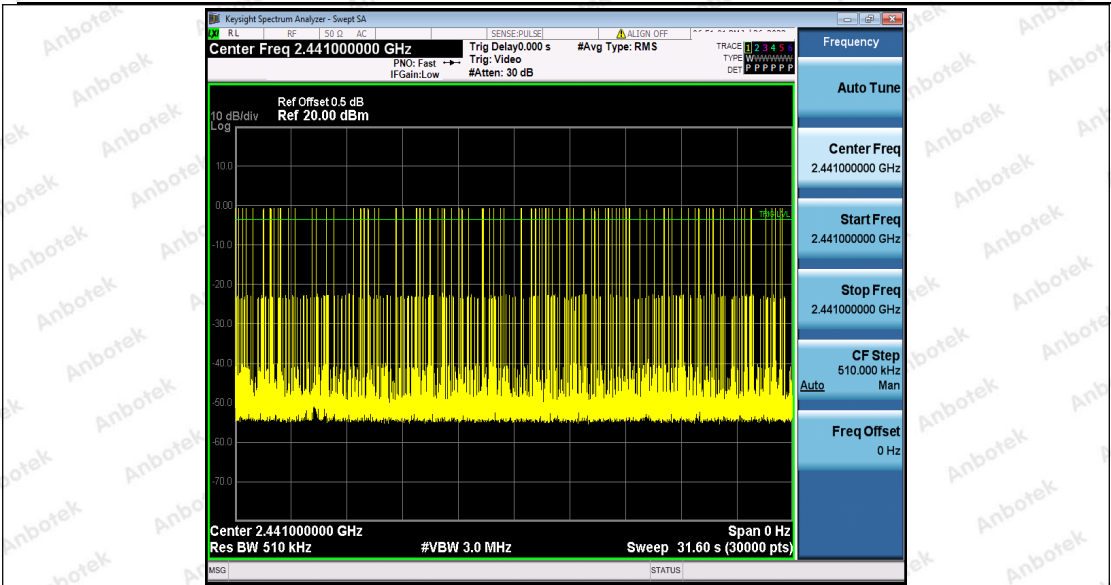
DH5_Ant1_Hop



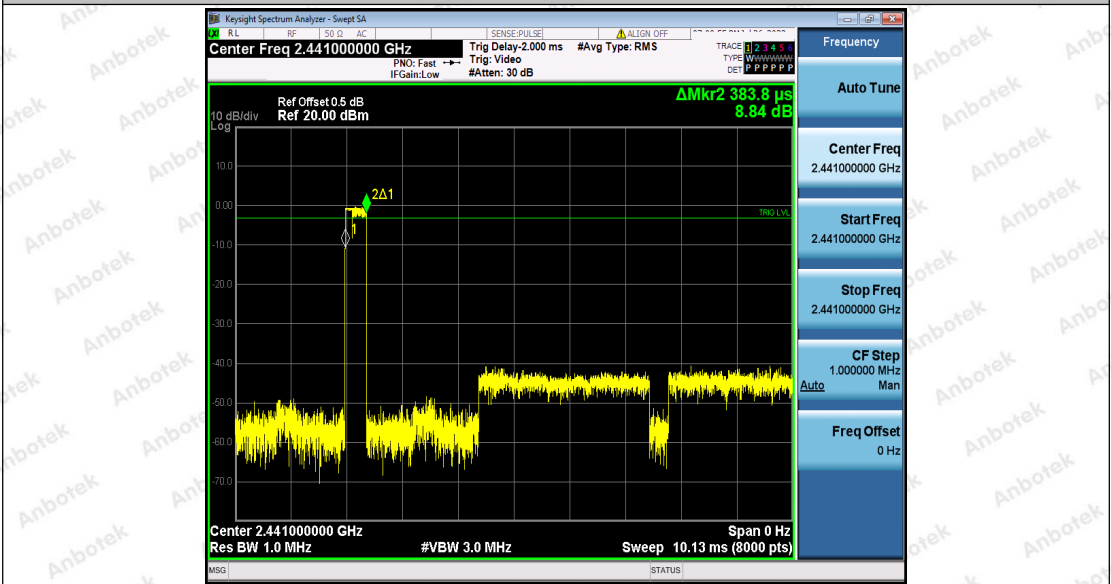
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2DH1_Ant1_Hop



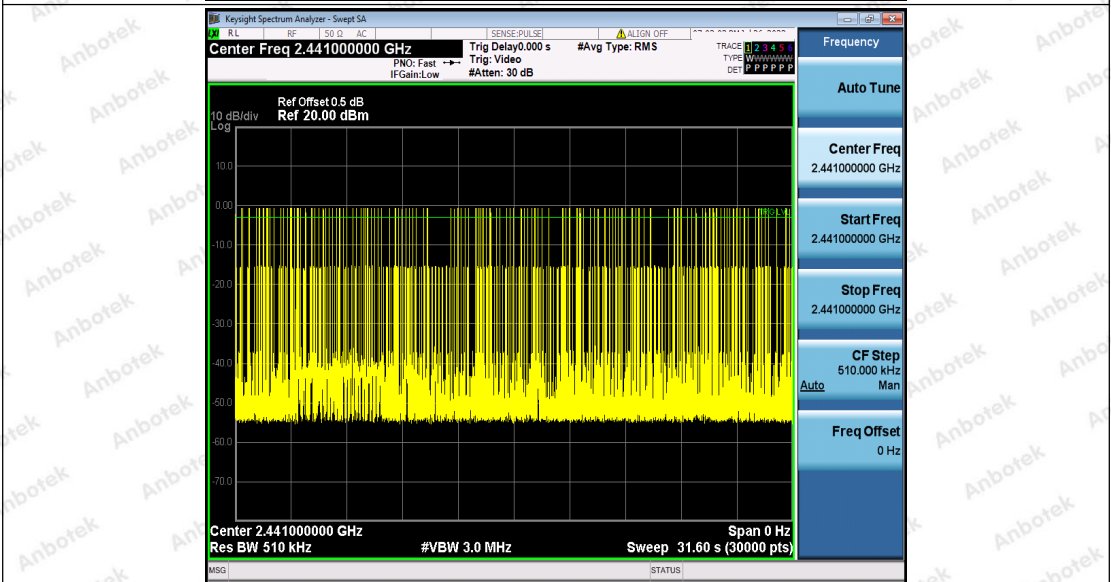
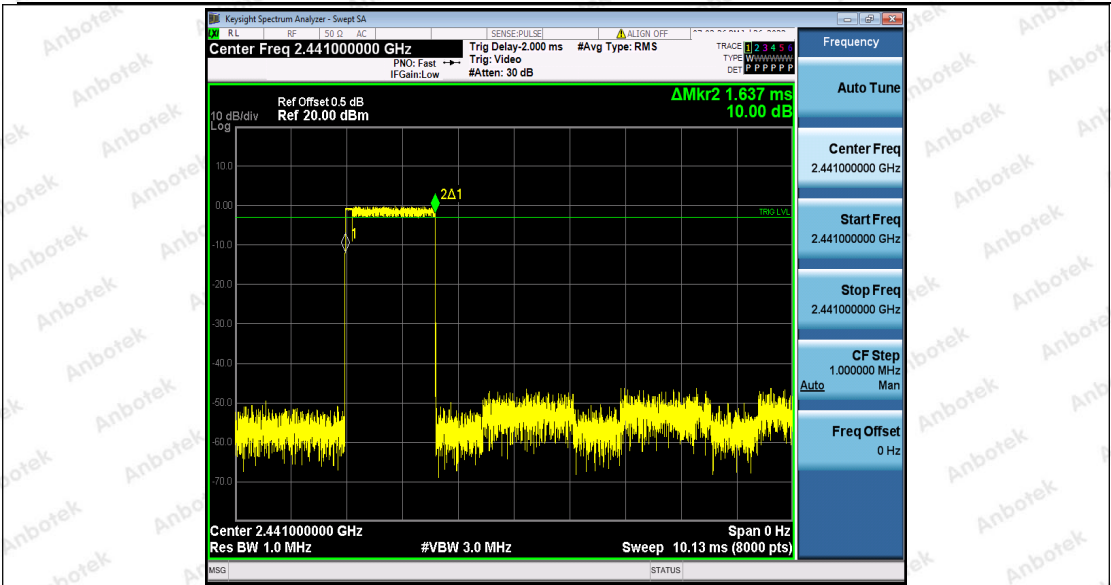
2DH3_Ant1_Hop

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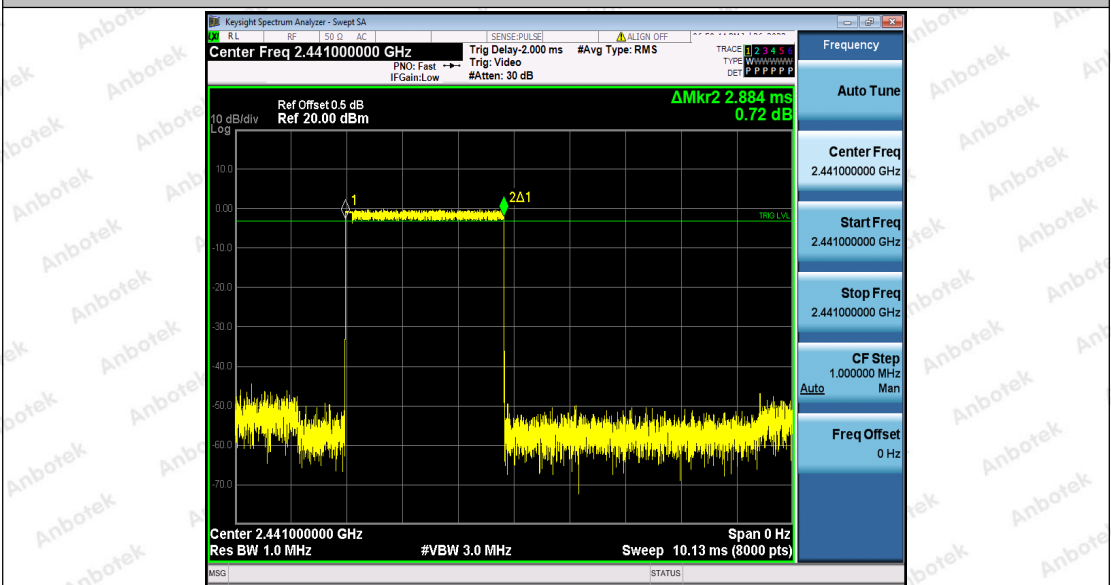
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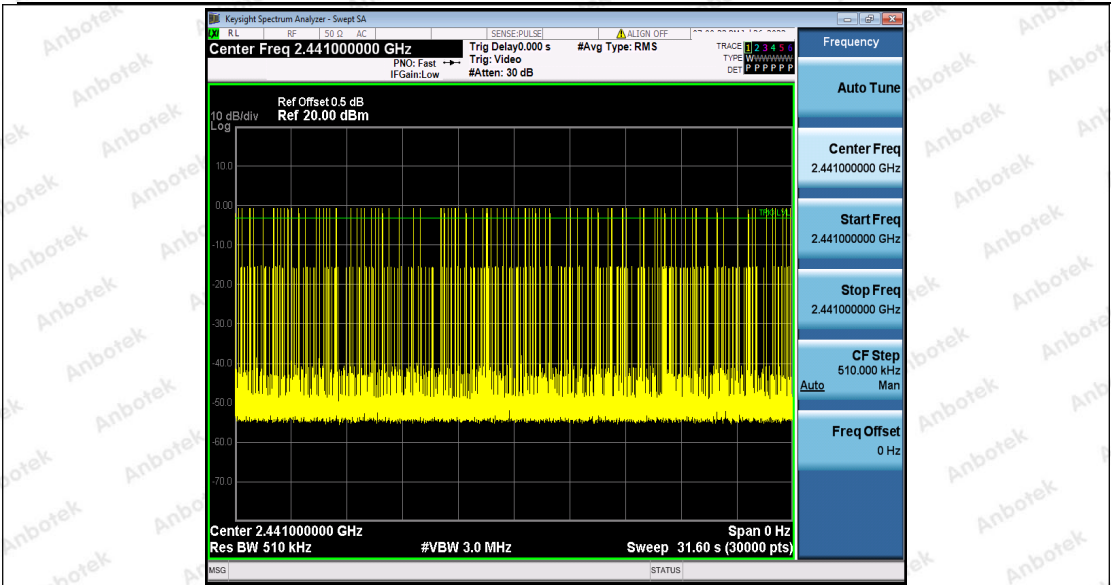
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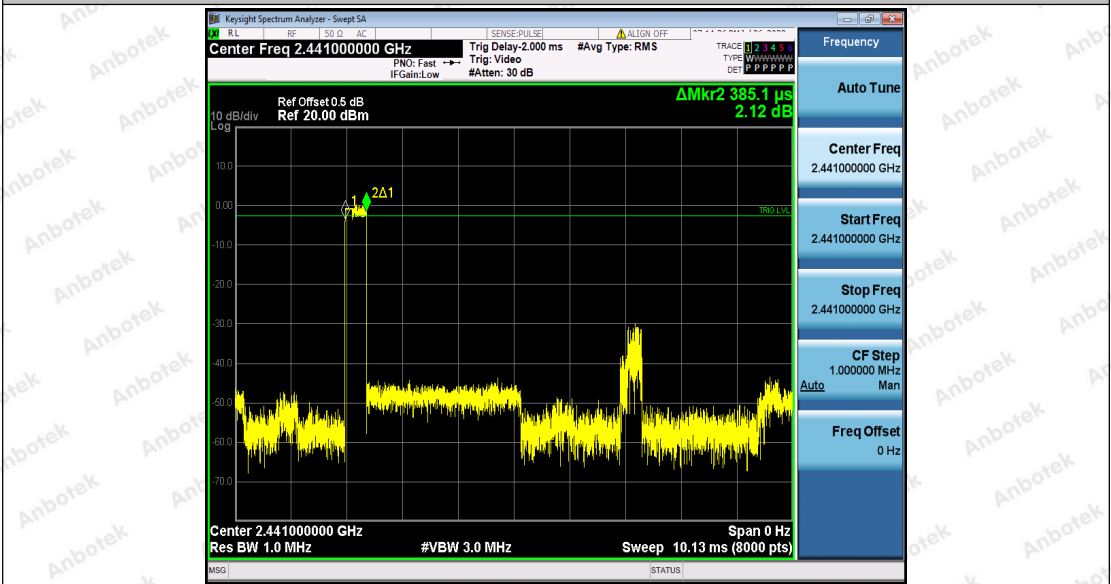
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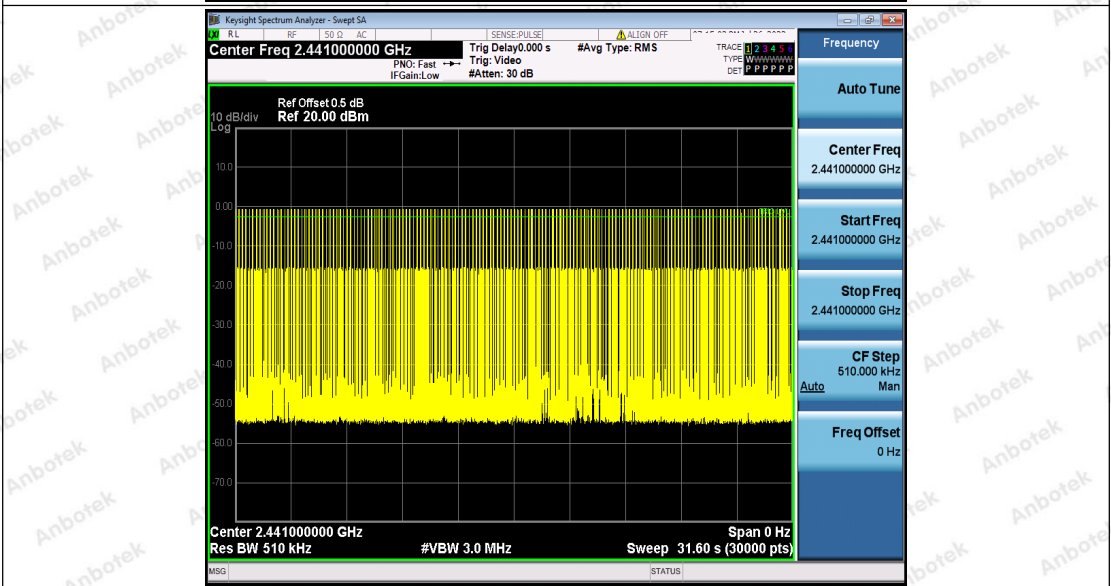
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3DH1_Ant1_Hop



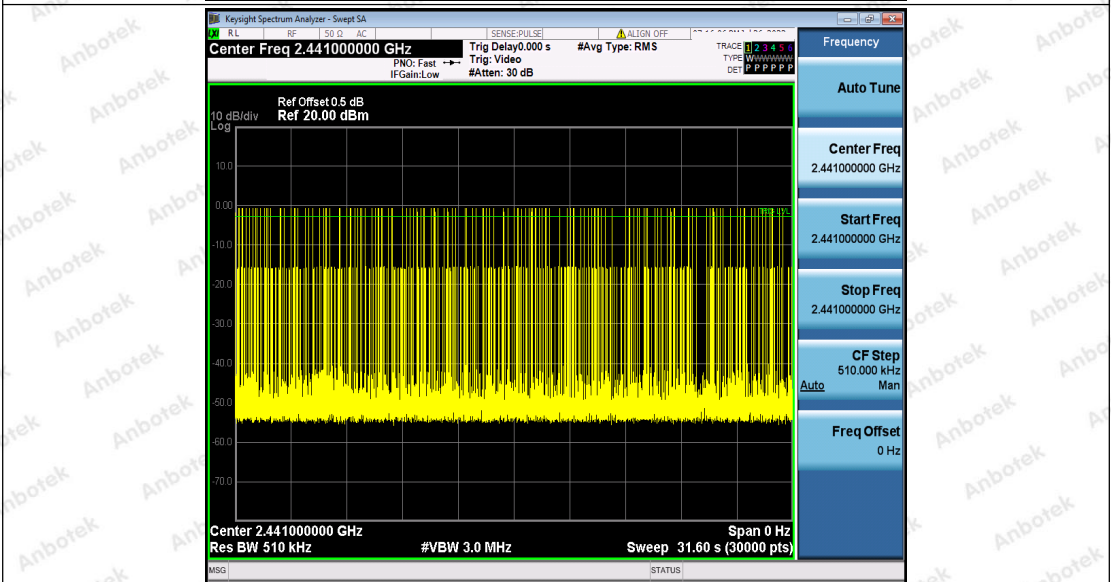
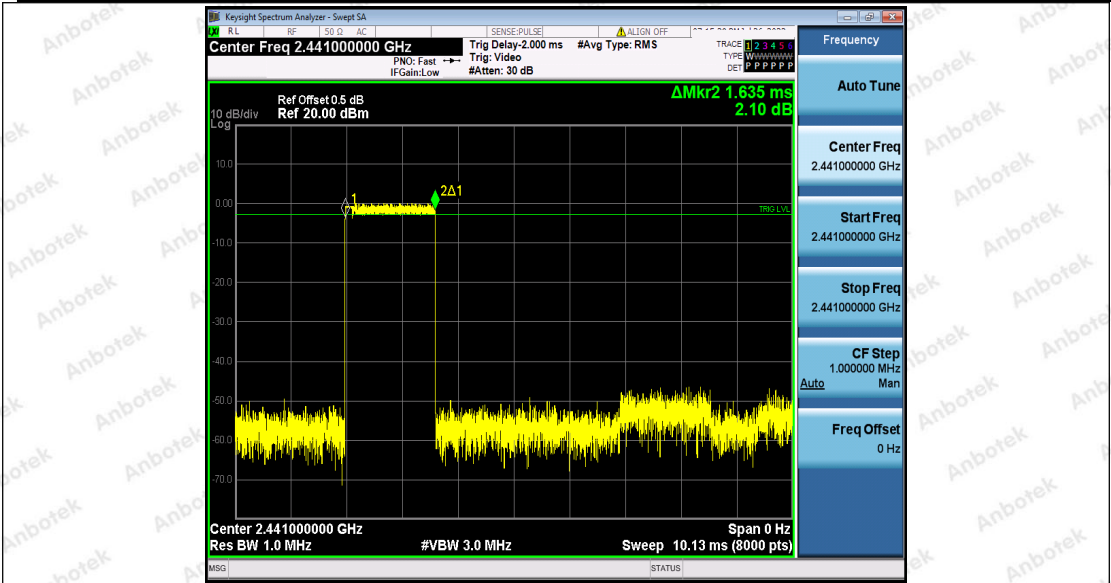
3DH3_Ant1_Hop



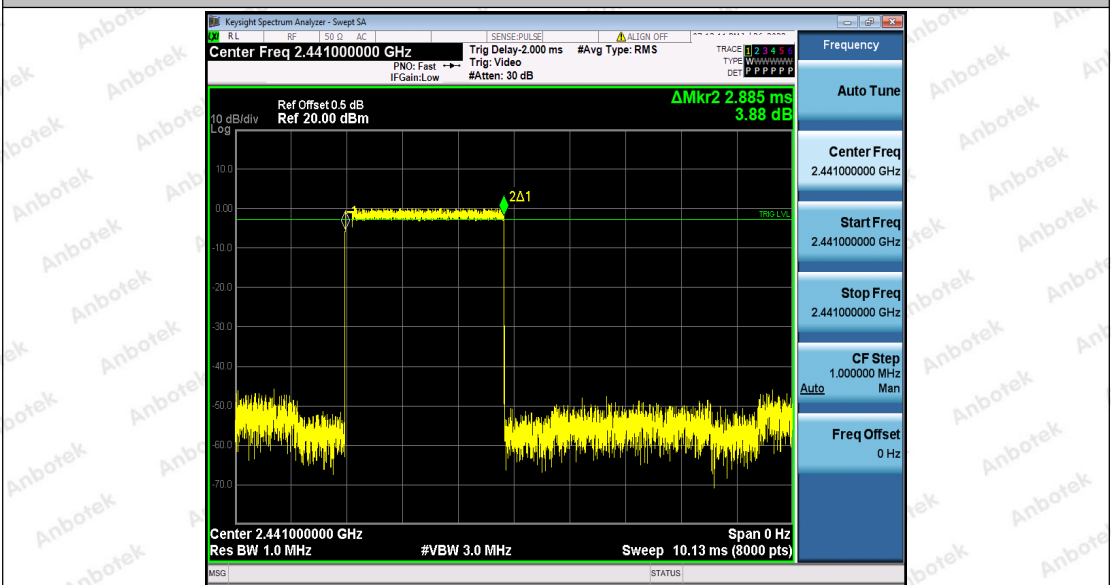
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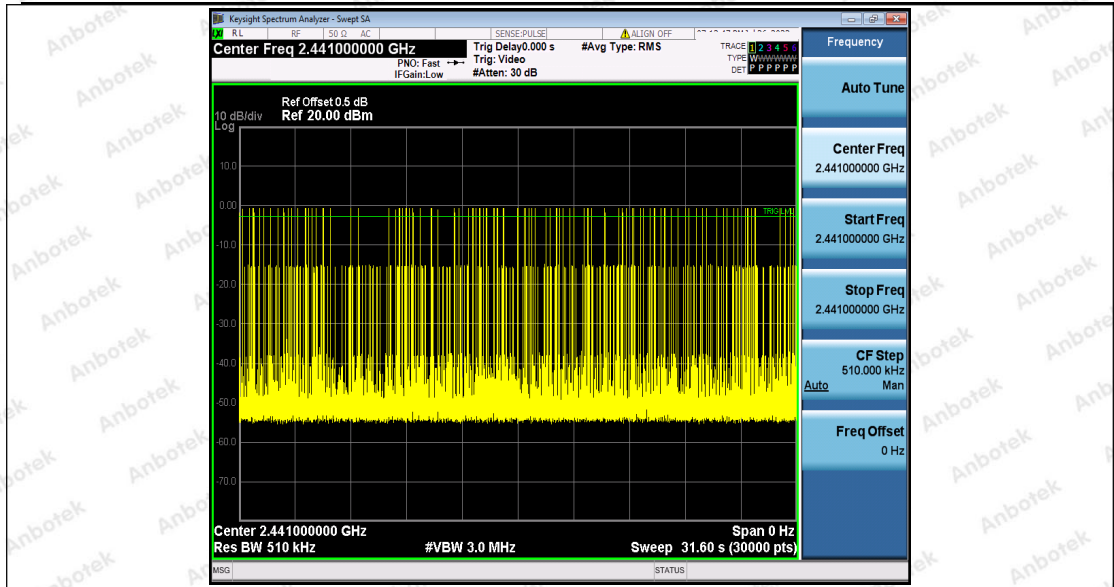
3DH5_Ant1_Hop



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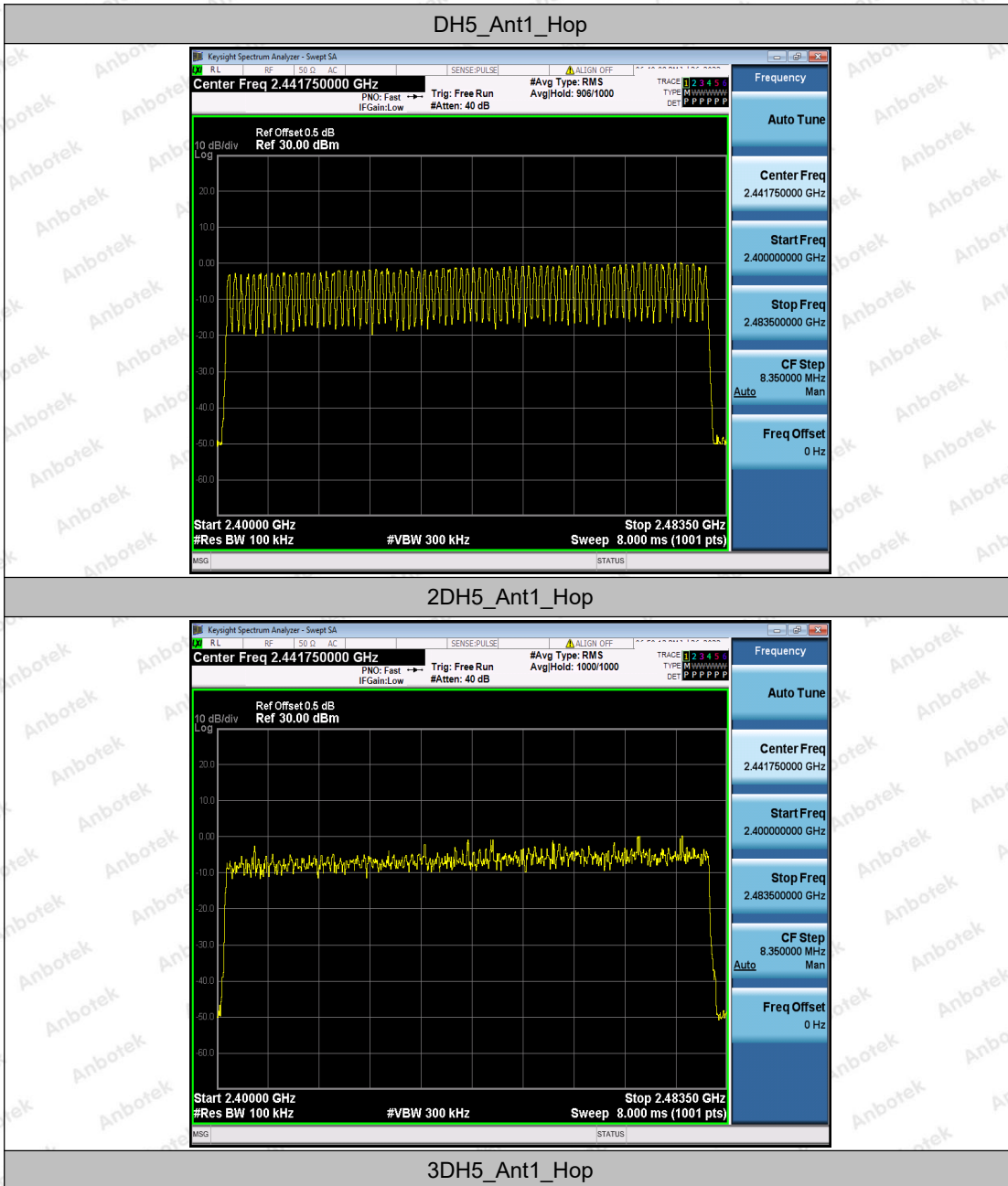
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Appendix F: Number of hopping channels

Test Result

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

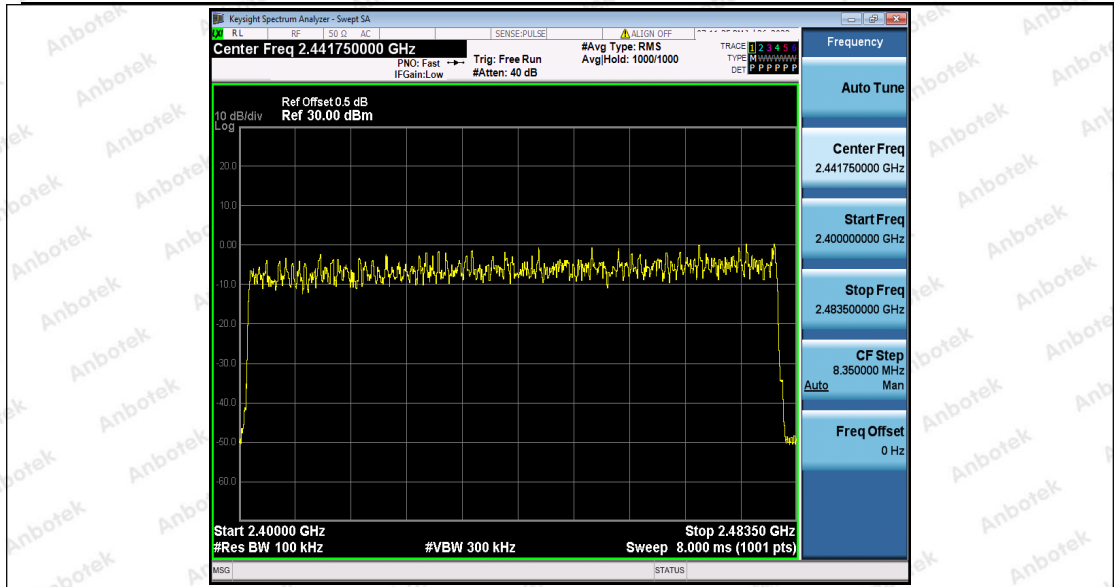
Test Graphs



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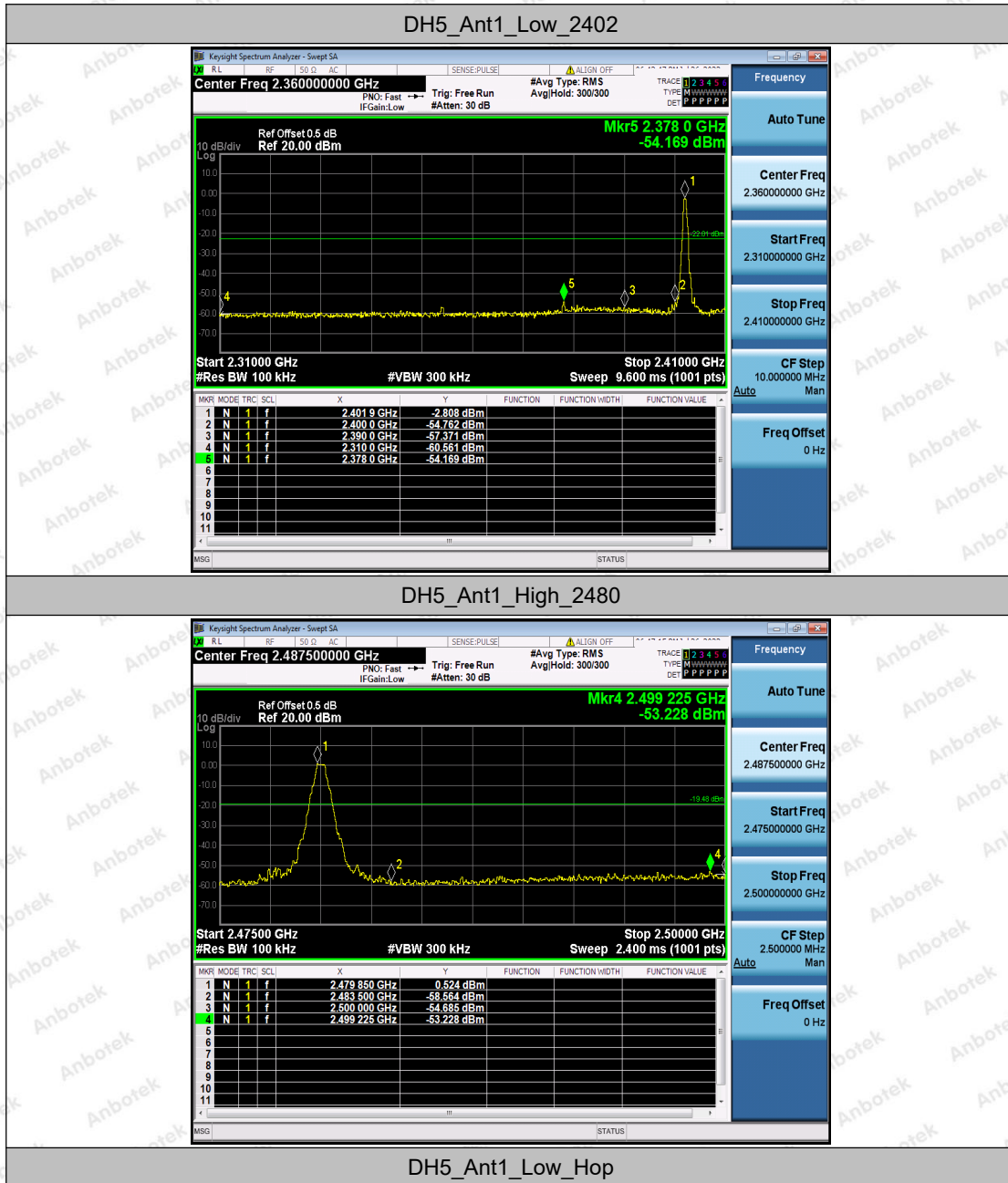
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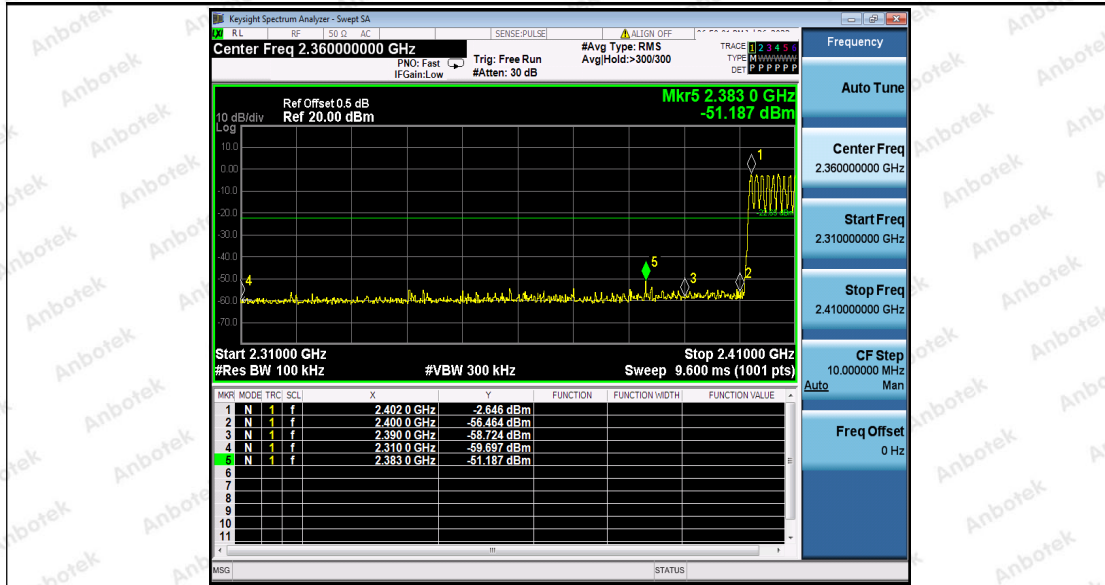
Appendix G: Band edge measurements

Test Result

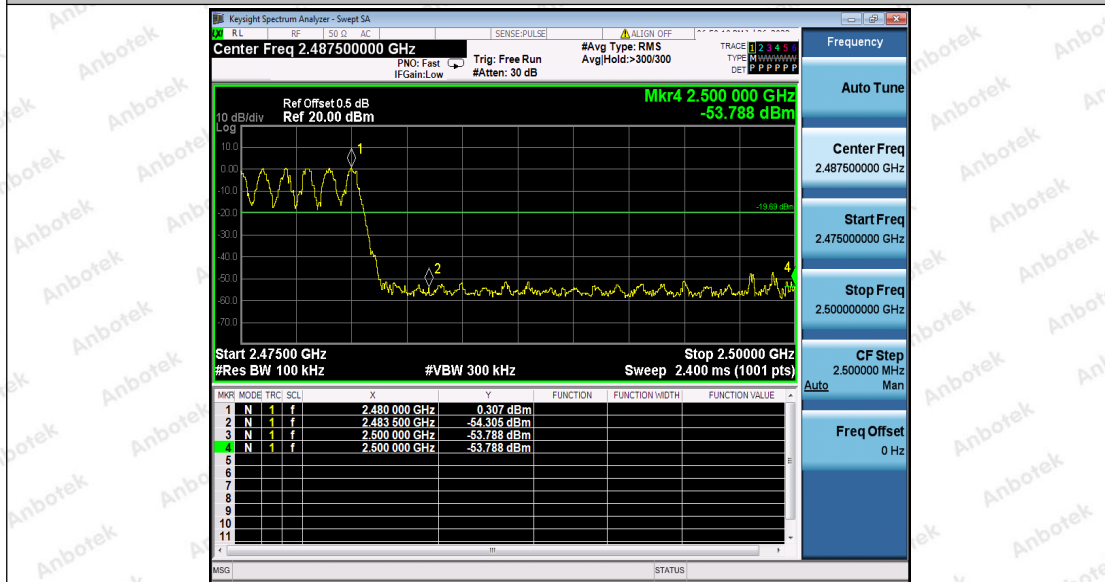
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.81	-54.17	≤-22.81	PASS
		High	2480	0.52	-53.23	≤-19.48	PASS
		Low	Hop	-2.65	-51.19	≤-22.65	PASS
		High	Hop	0.31	-53.79	≤-19.69	PASS
2DH5	Ant1	Low	2402	-2.60	-54.69	≤-22.6	PASS
		High	2480	0.45	-52.82	≤-19.55	PASS
		Low	Hop	-4.81	-54.2	≤-24.81	PASS
		High	Hop	0.37	-56.89	≤-19.63	PASS
3DH5	Ant1	Low	2402	-2.79	-53.17	≤-22.79	PASS
		High	2480	0.28	-53.44	≤-19.72	PASS
		Low	Hop	-4.76	-54.36	≤-24.76	PASS
		High	Hop	-1.41	-56.71	≤-21.41	PASS

Test Graphs

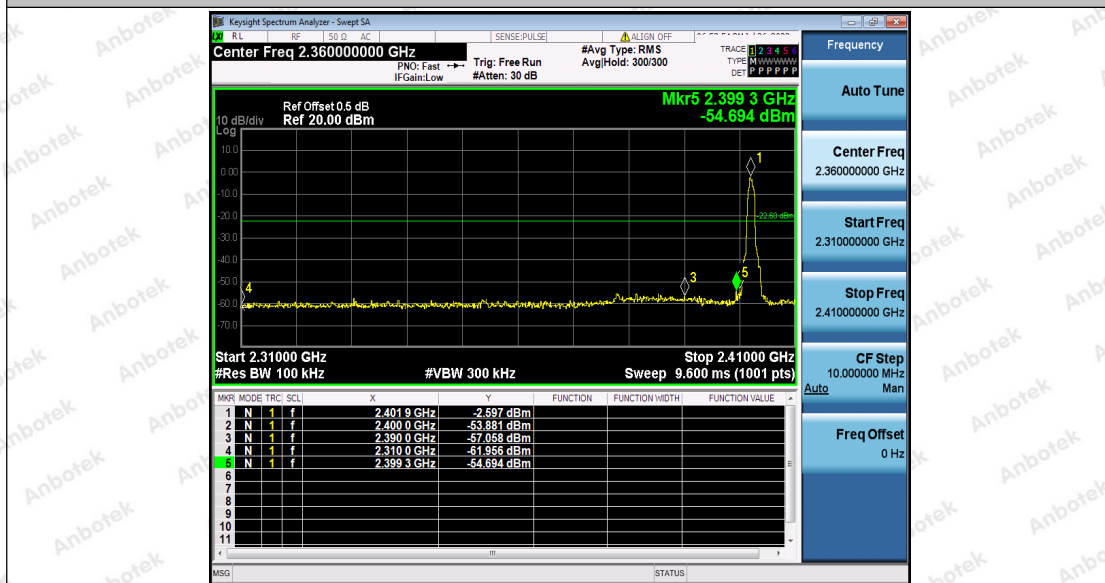




DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402

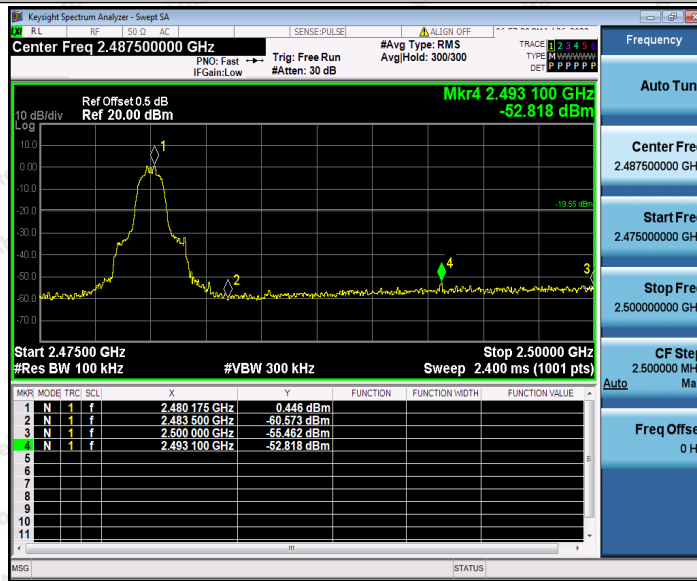


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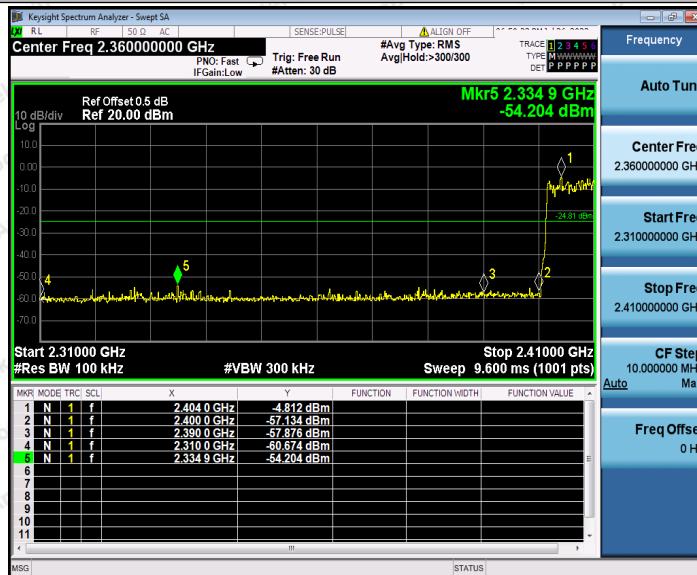
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



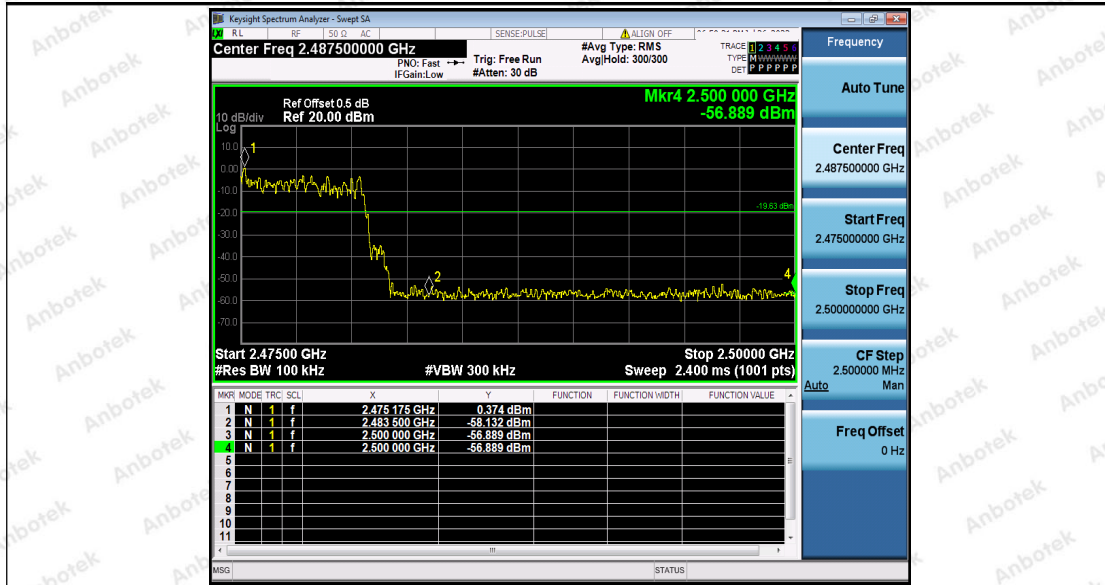
2DH5_Ant1_High_Hop

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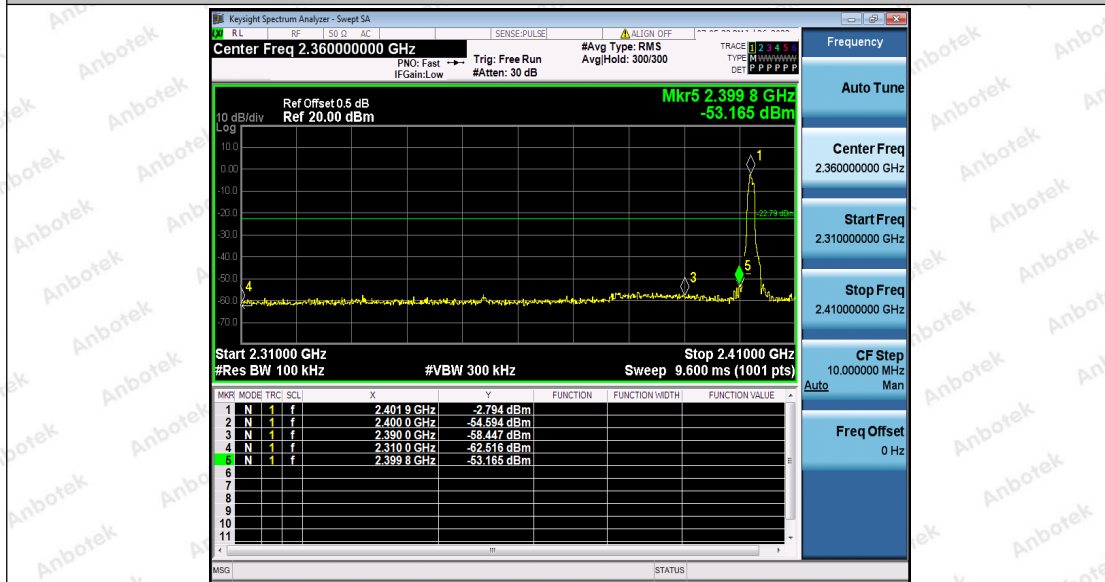
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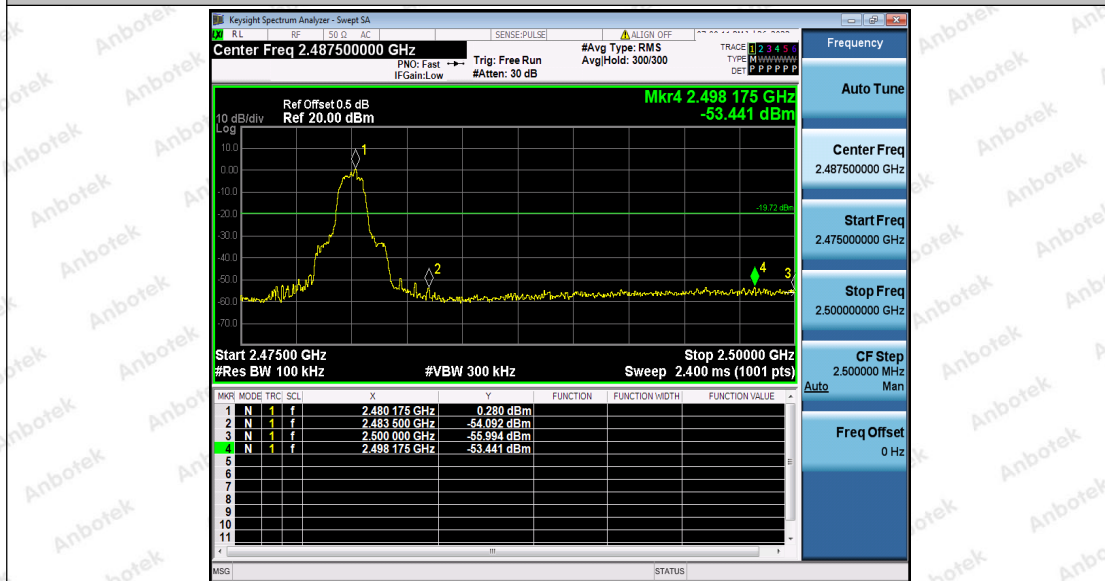
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3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480

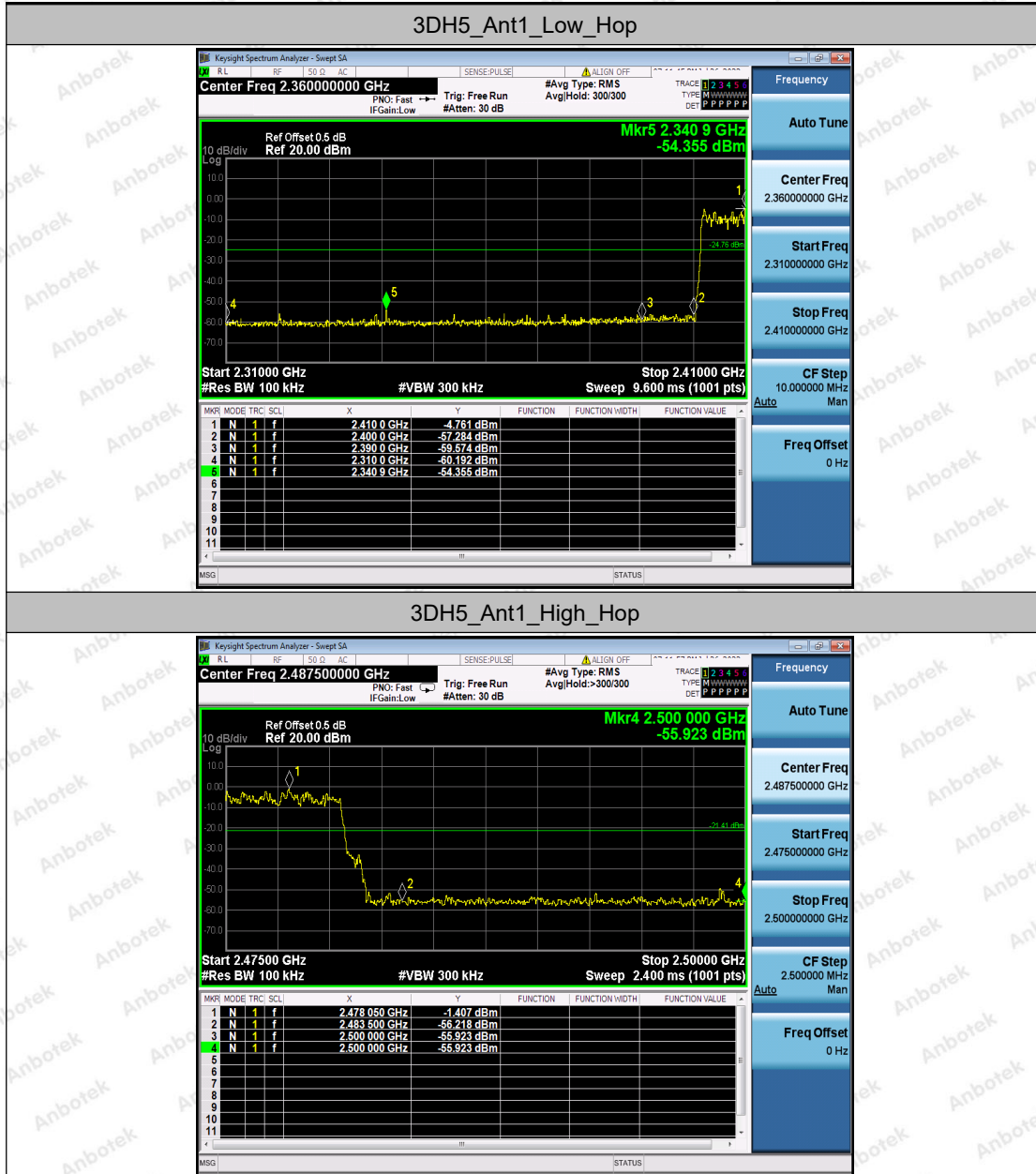


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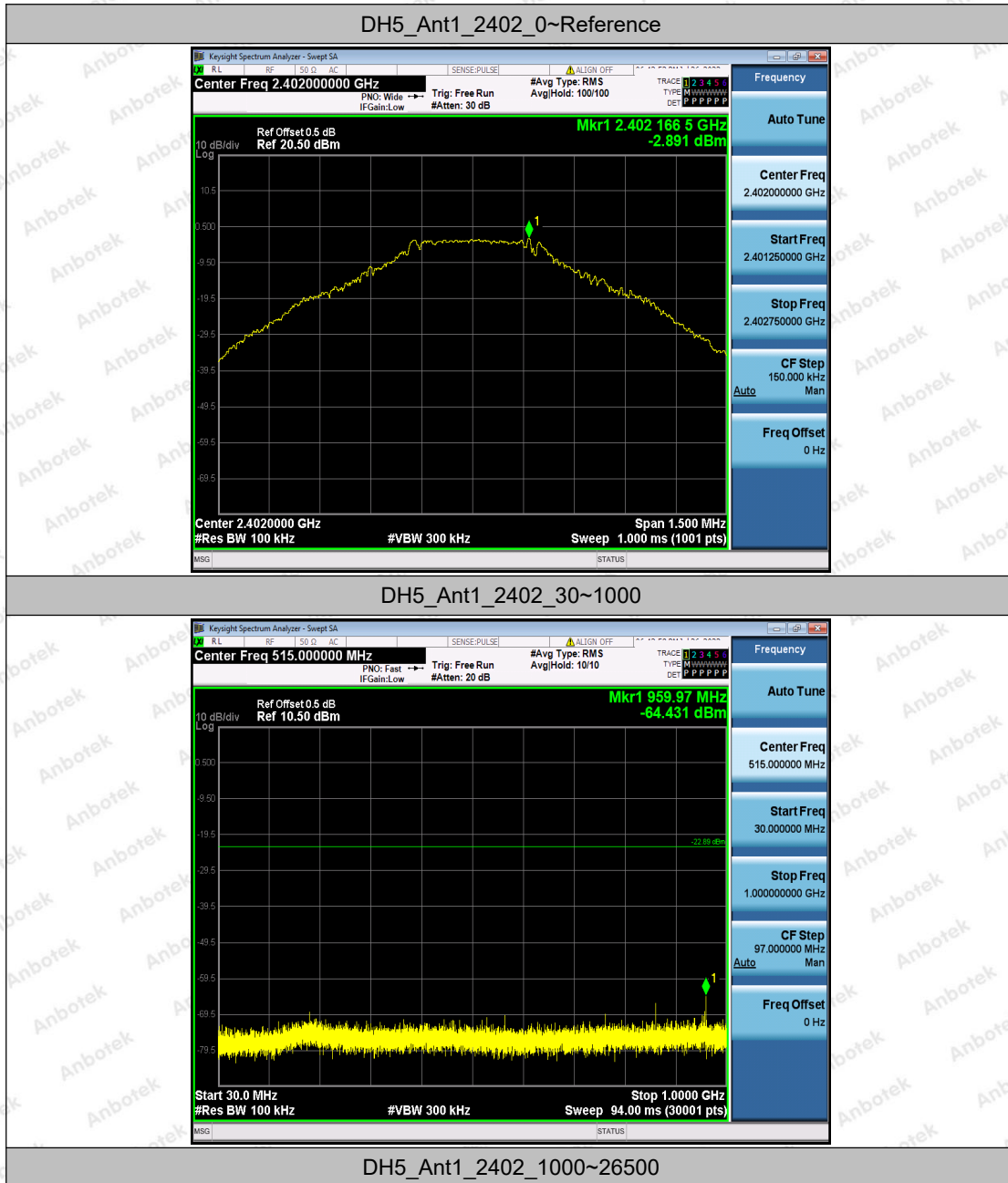
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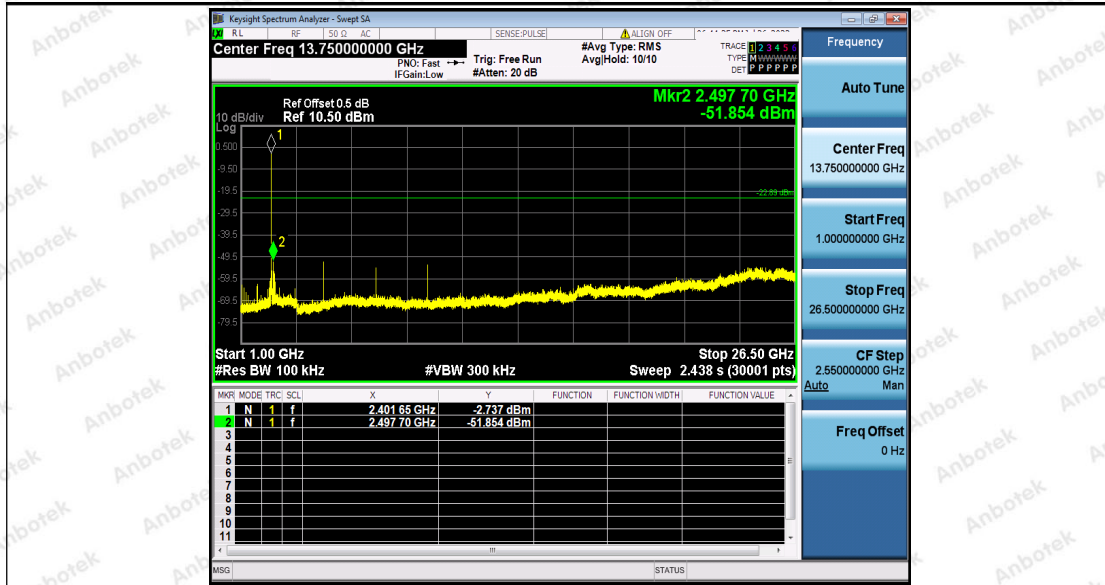
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.89	-2.89	---	PASS
			30~1000	-2.89	-64.43	≤-22.89	PASS
			1000~26500	-2.89	-51.85	≤-22.89	PASS
		2441	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-63.01	≤-20.91	PASS
			1000~26500	-0.91	-49.91	≤-20.91	PASS
		2480	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-64.6	≤-19.85	PASS
			1000~26500	0.15	-49.32	≤-19.85	PASS
2DH5	Ant1	2402	Reference	-2.67	-2.67	---	PASS
			30~1000	-2.67	-64.3	≤-22.67	PASS
			1000~26500	-2.67	-51.9	≤-22.67	PASS
		2441	Reference	-1.24	-1.24	---	PASS
			30~1000	-1.24	-58.11	≤-21.24	PASS
			1000~26500	-1.24	-51.98	≤-21.24	PASS
		2480	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-61.84	≤-19.71	PASS
			1000~26500	0.30	-48.72	≤-19.71	PASS
3DH5	Ant1	2402	Reference	-2.67	-2.67	---	PASS
			30~1000	-2.67	-64.04	≤-22.67	PASS
			1000~26500	-2.67	-52.34	≤-22.67	PASS
		2441	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-64.23	≤-20.88	PASS
			1000~26500	-0.88	-50.48	≤-20.88	PASS
		2480	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-62.7	≤-19.89	PASS
			1000~26500	0.11	-51.78	≤-19.89	PASS

Test Graphs

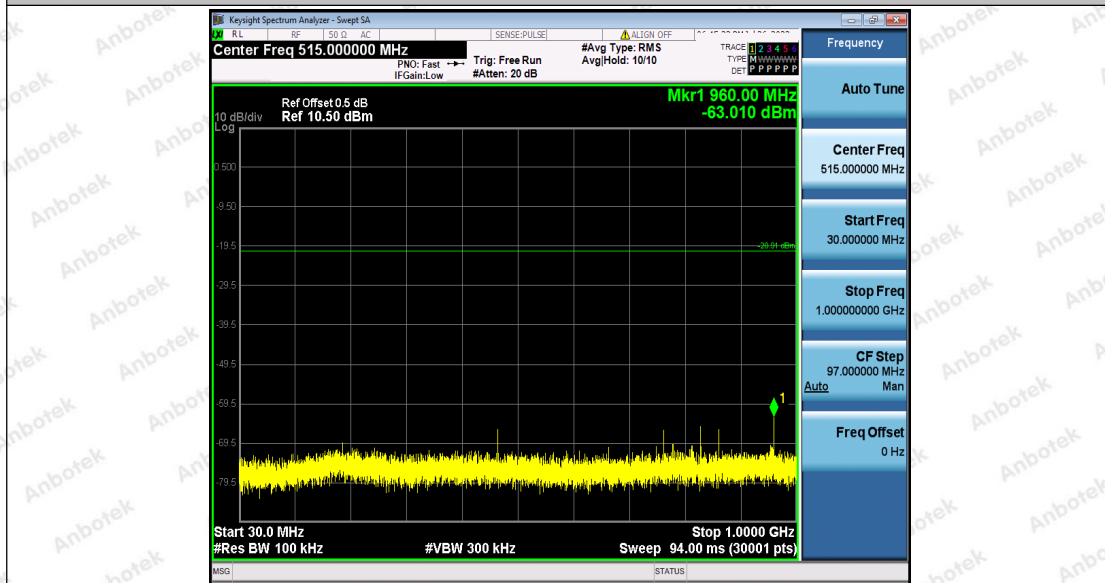




DH5_Ant1_2441_0~Reference



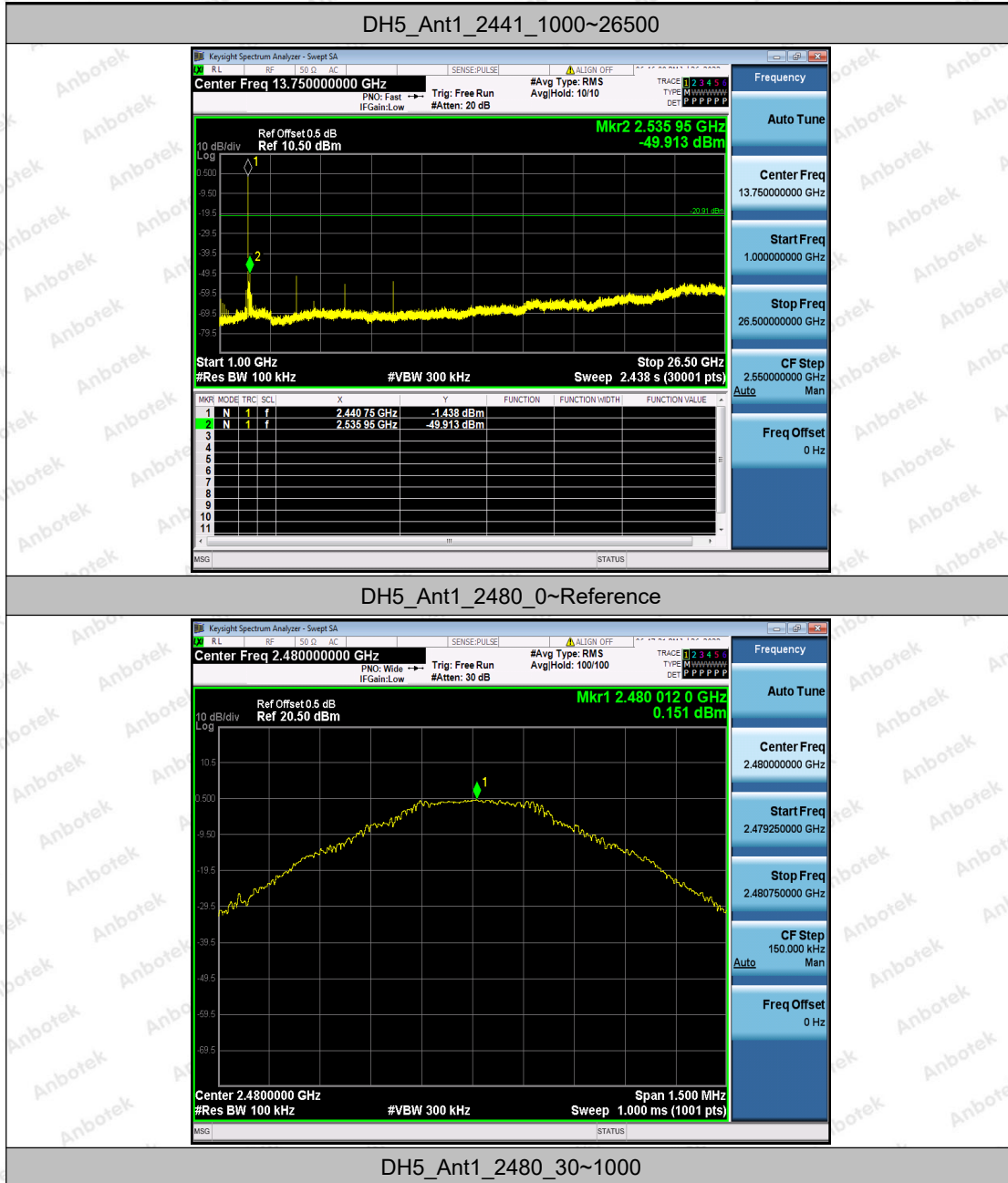
DH5_Ant1_2441_30~1000



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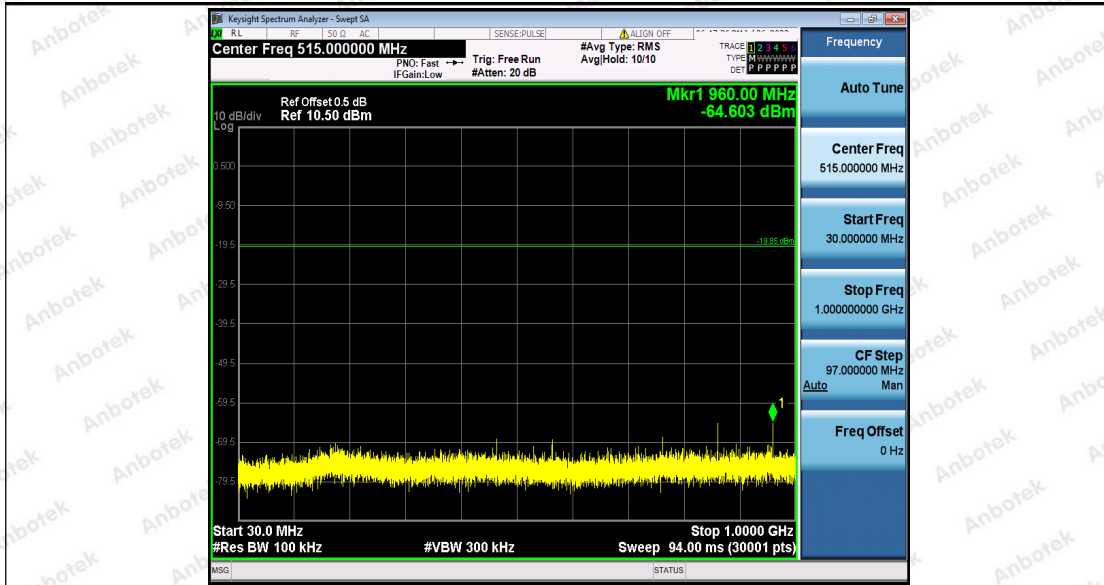
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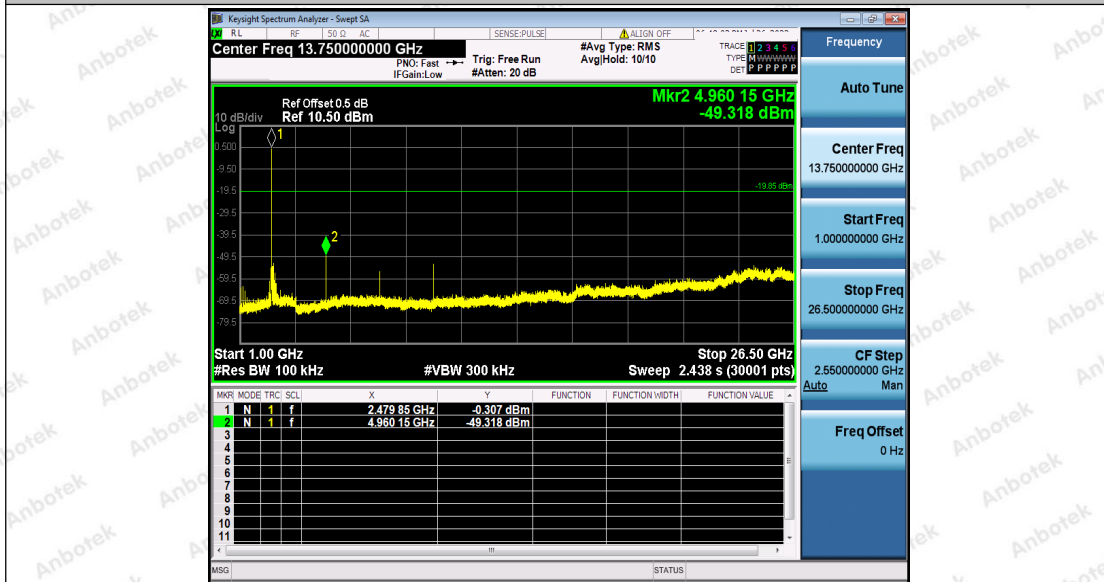
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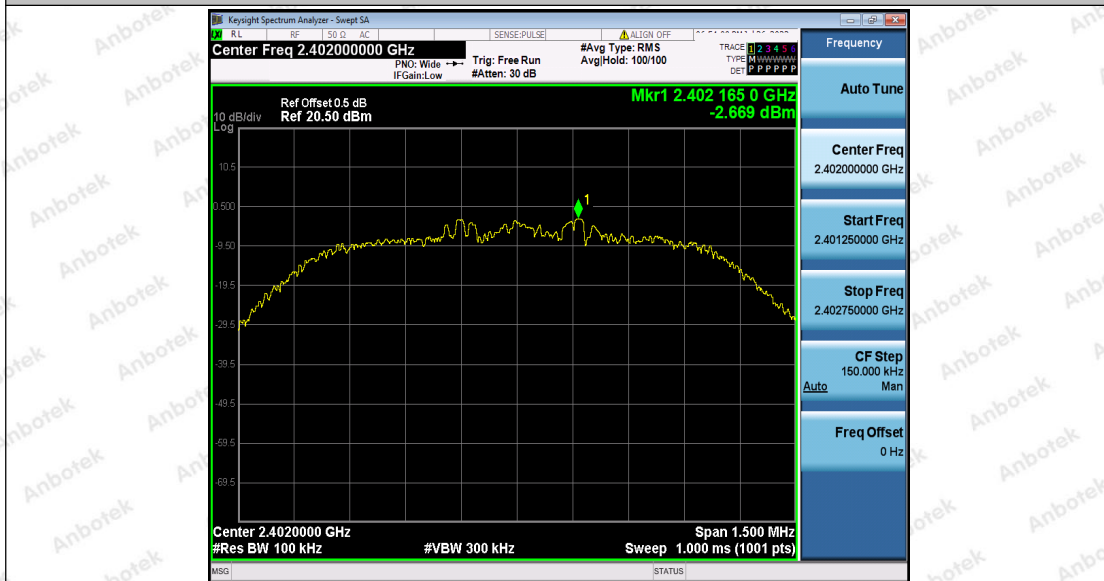
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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

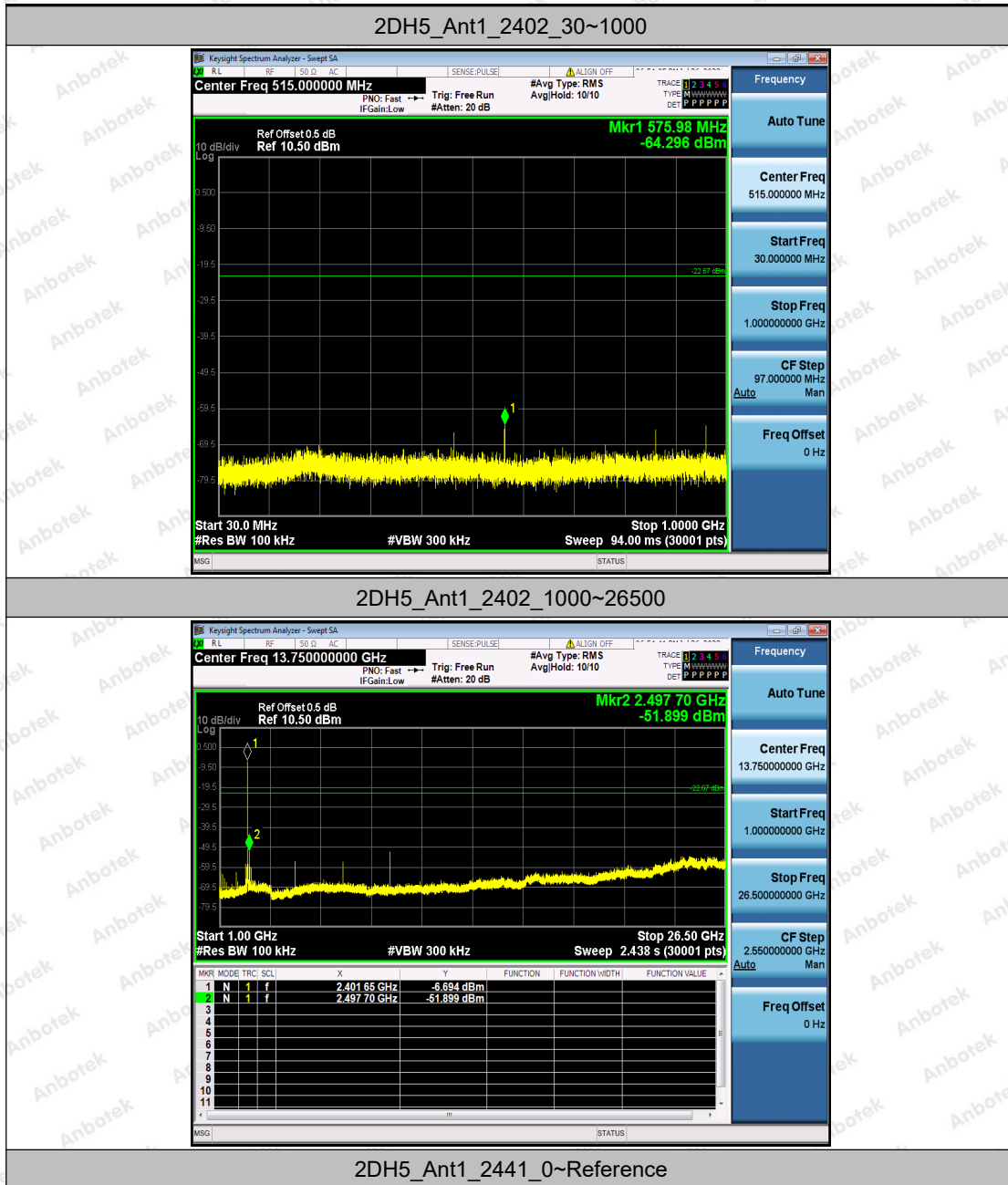


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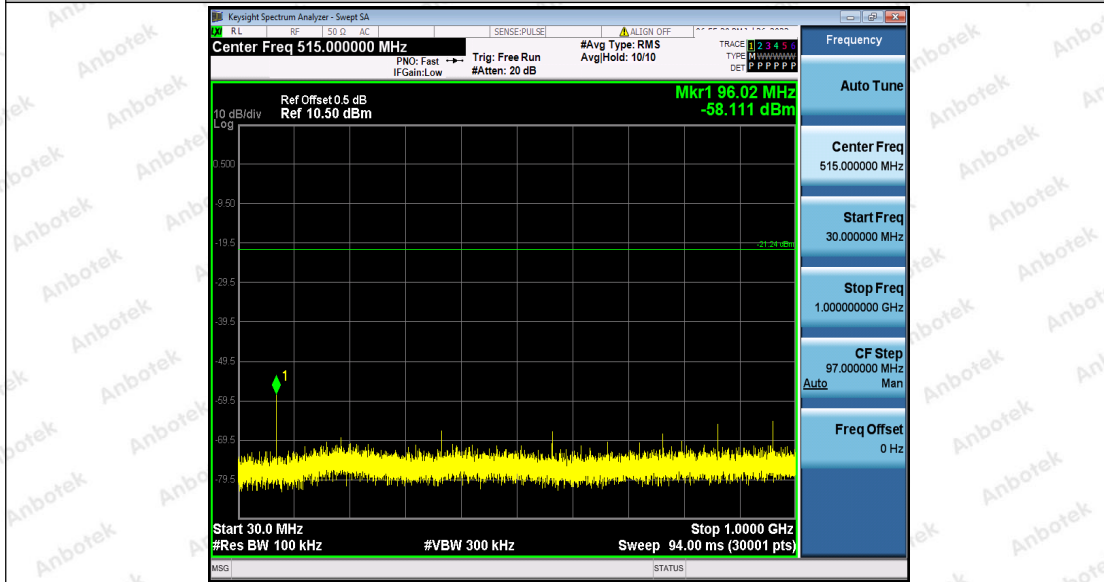
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

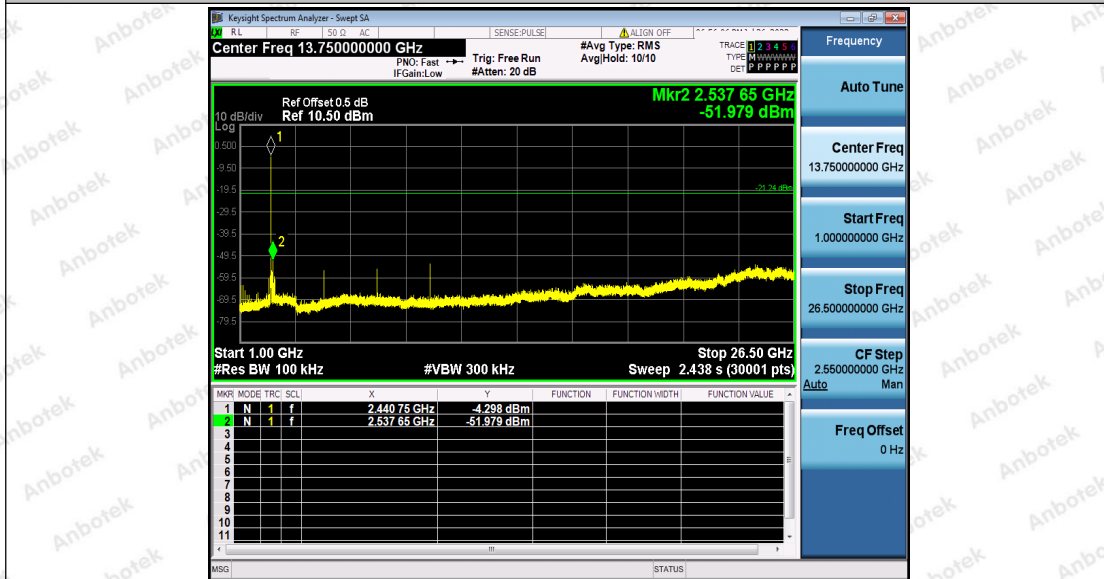
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2DH5_Ant1_2441_30~1000



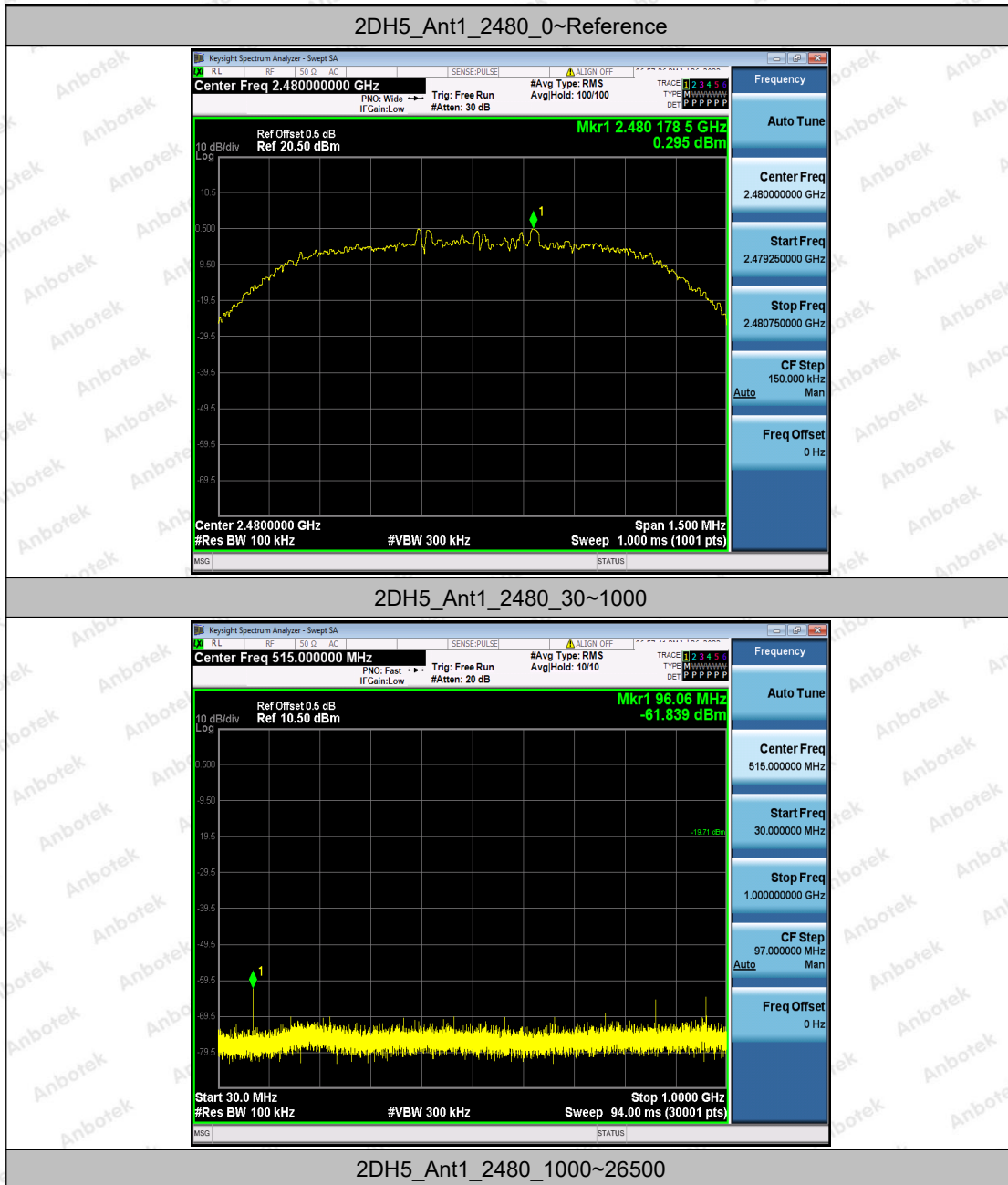
2DH5_Ant1_2441_1000~26500



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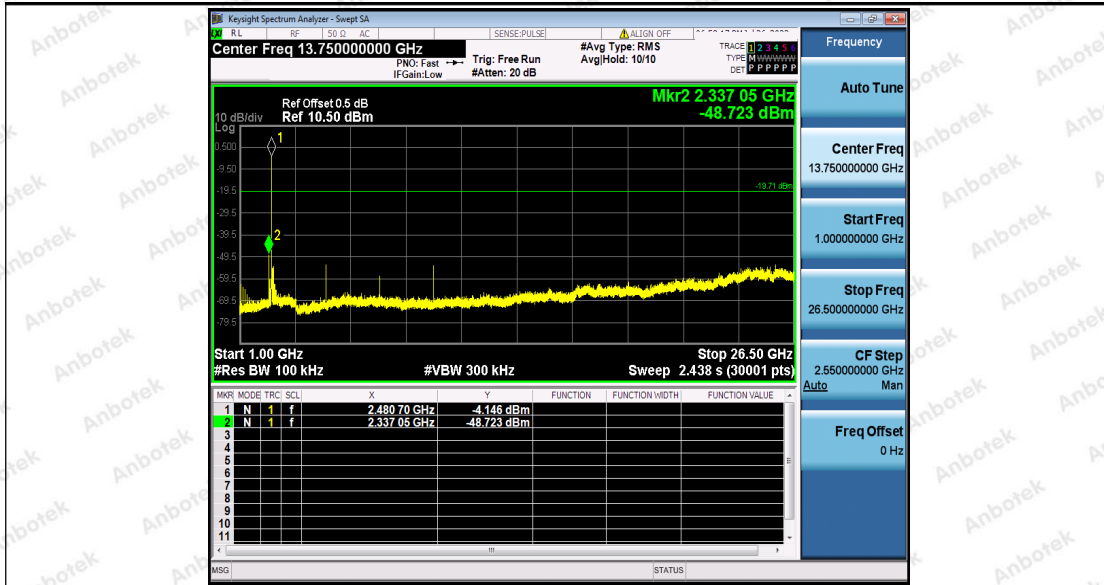
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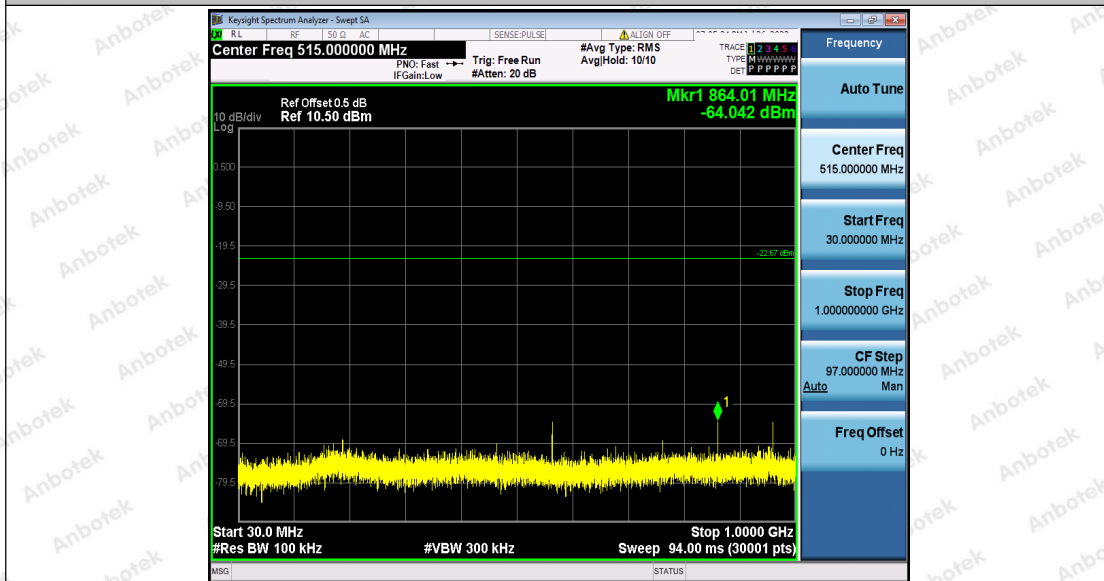
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3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000

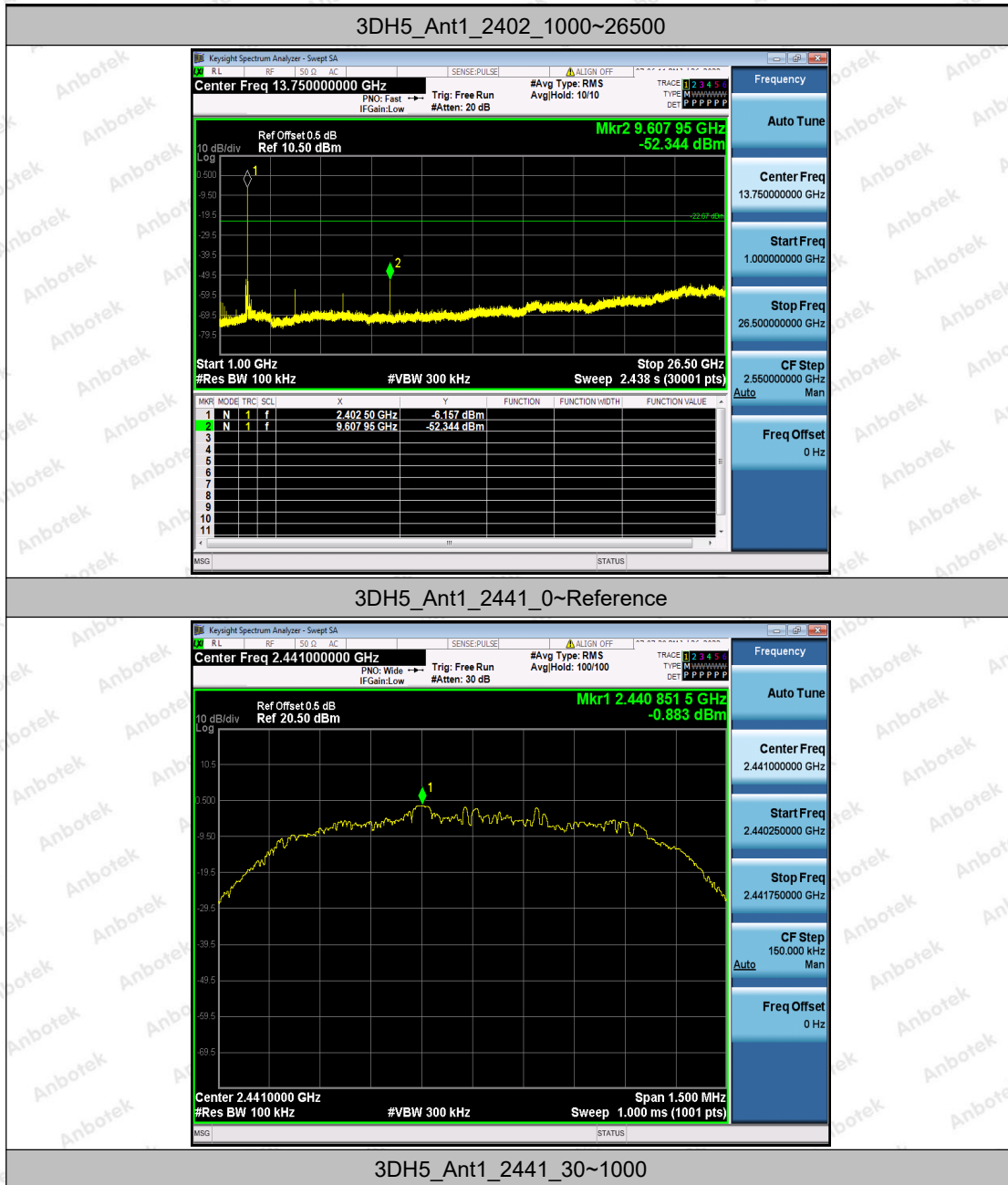


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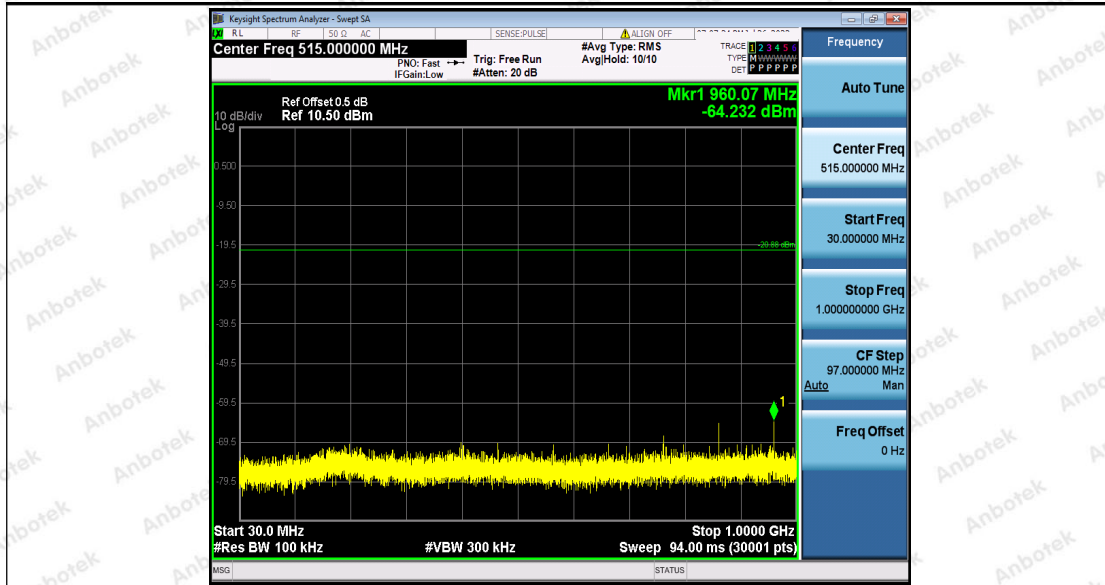
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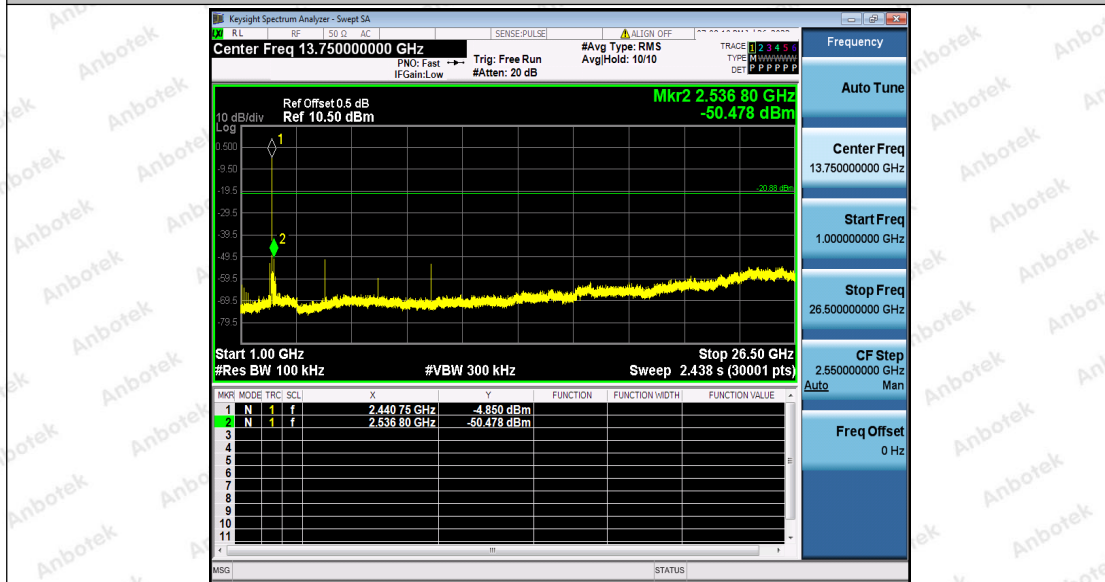
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3DH5_Ant1_2441_1000~26500



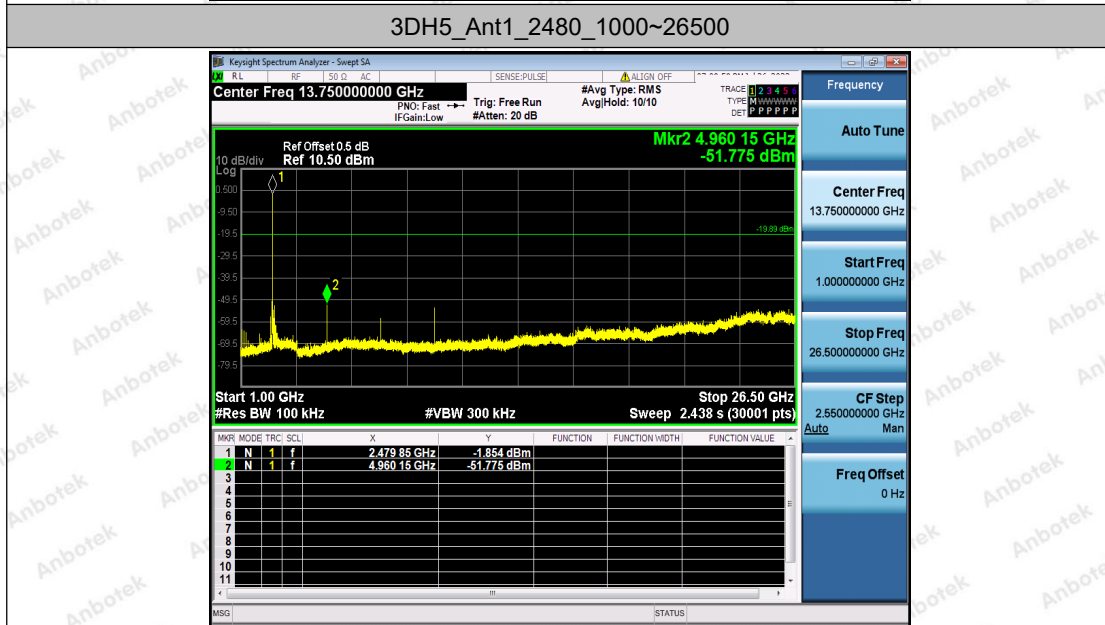
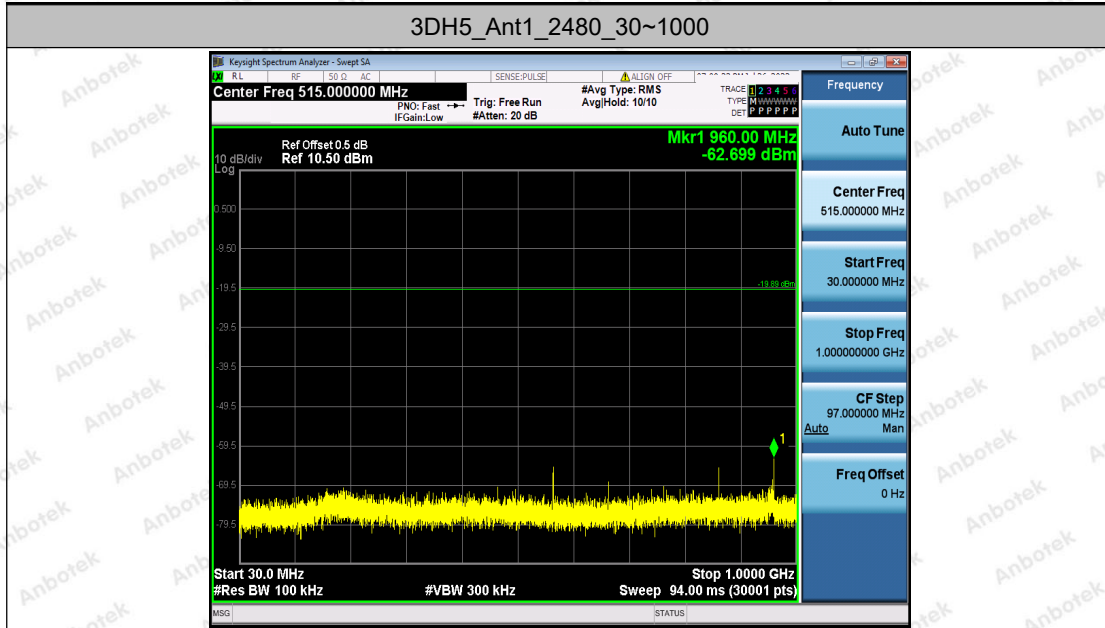
3DH5_Ant1_2480_0~Reference



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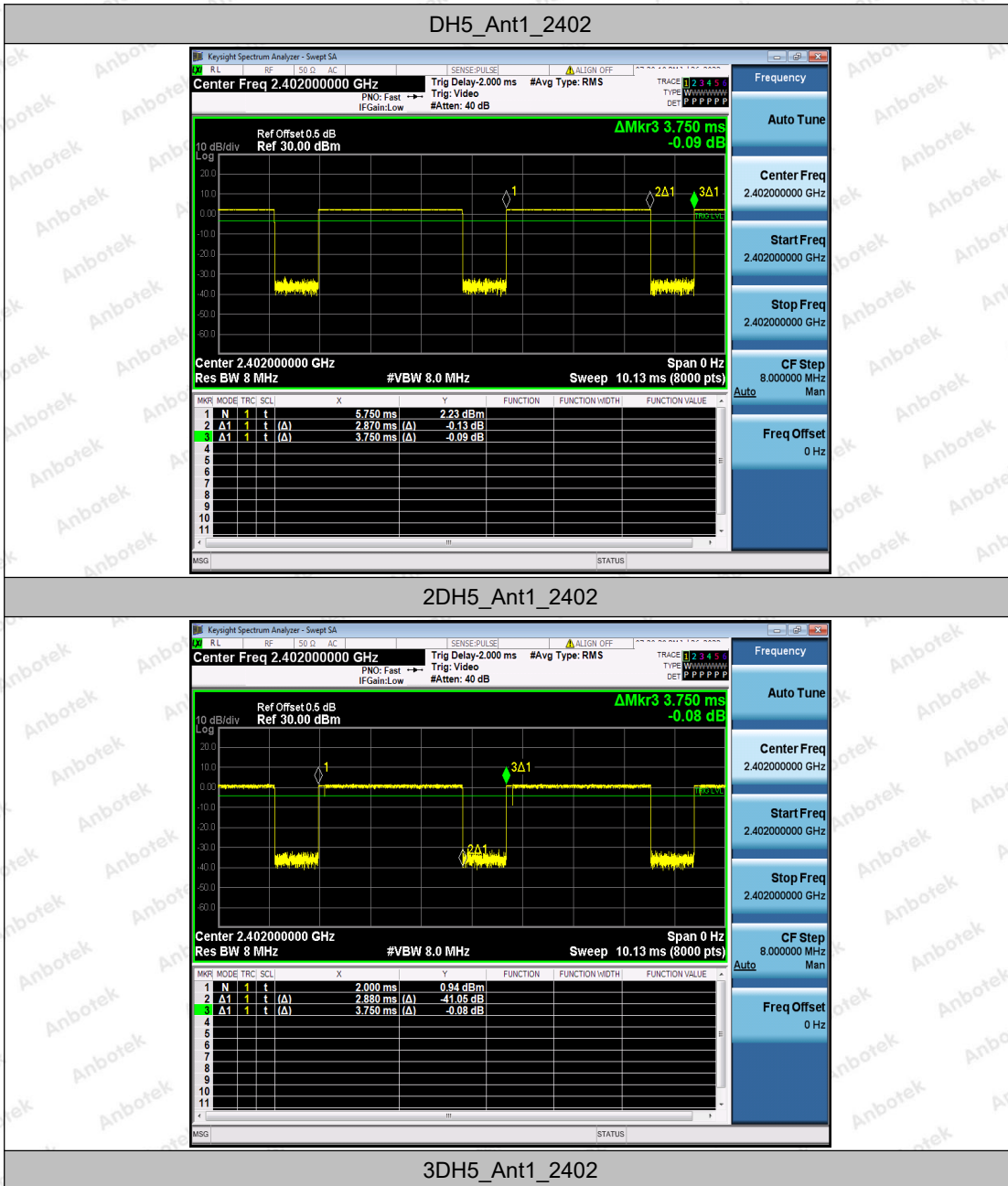
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Appendix I: Duty Cycle

Test Result

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
3DH5	Ant1	2402	2.89	3.75	0.770 7	77.07	1.13	---	PASS

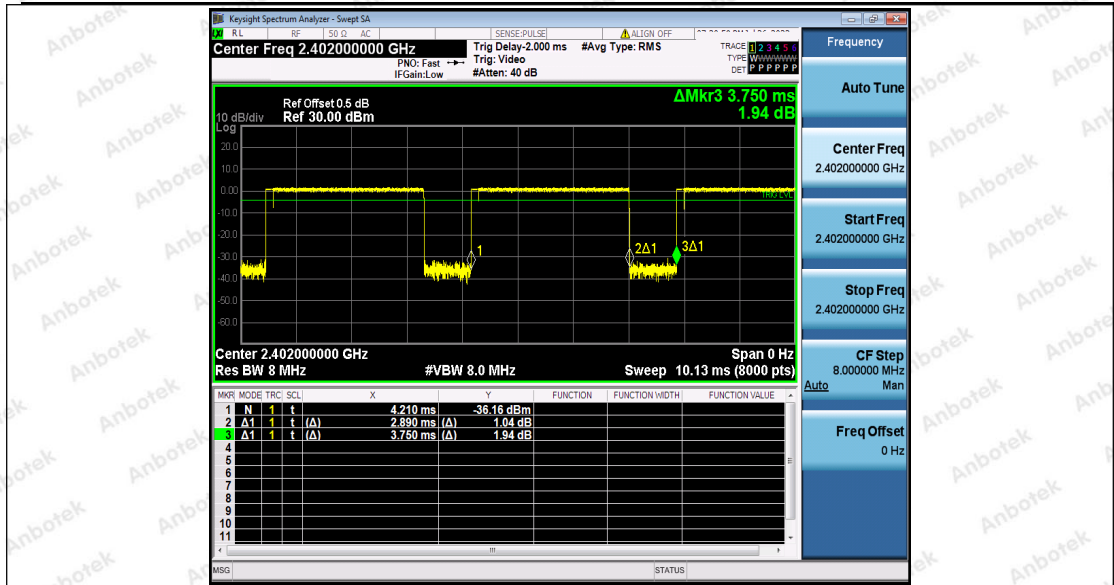
Test Graphs



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