

Appendix Test Data

Report No.:	18220WC20182701	Test Sample No.:	1-2-2
Start Test Date:	2022.8.11	Finish Test Date:	2022.8.16
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	27.3℃	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.885	2401.545	2402.430	---	---
		2441	0.885	2440.545	2441.430	---	---
		2480	0.885	2479.545	2480.430	---	---
2DH5	Ant1	2402	1.313	2401.338	2402.650	---	---
		2441	1.280	2440.365	2441.645	---	---
		2480	1.278	2479.365	2480.643	---	---



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441



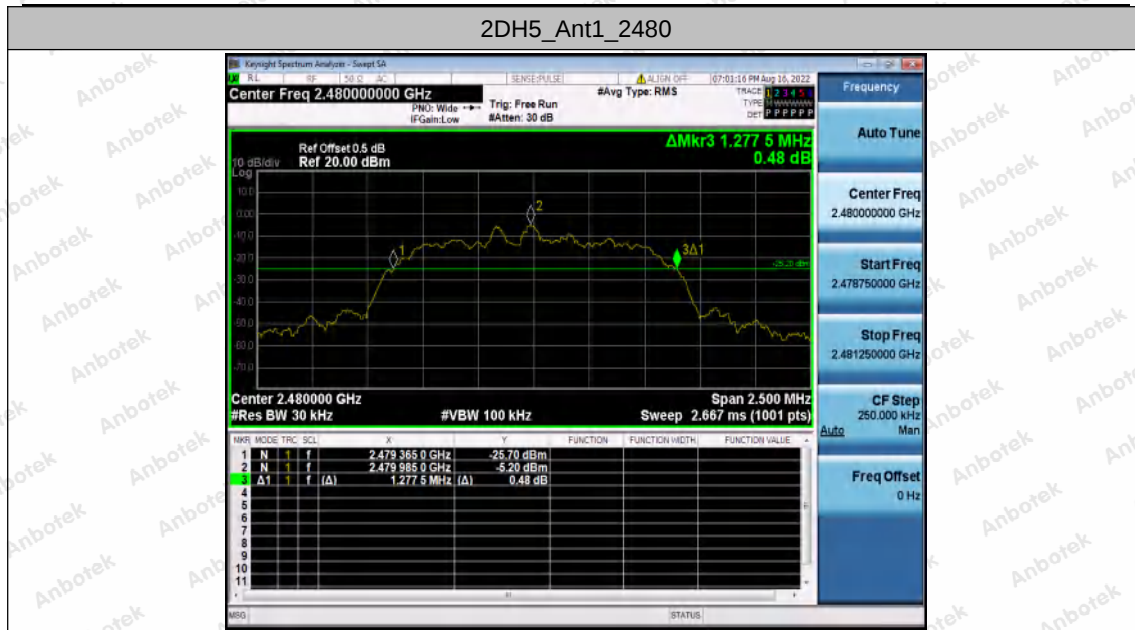
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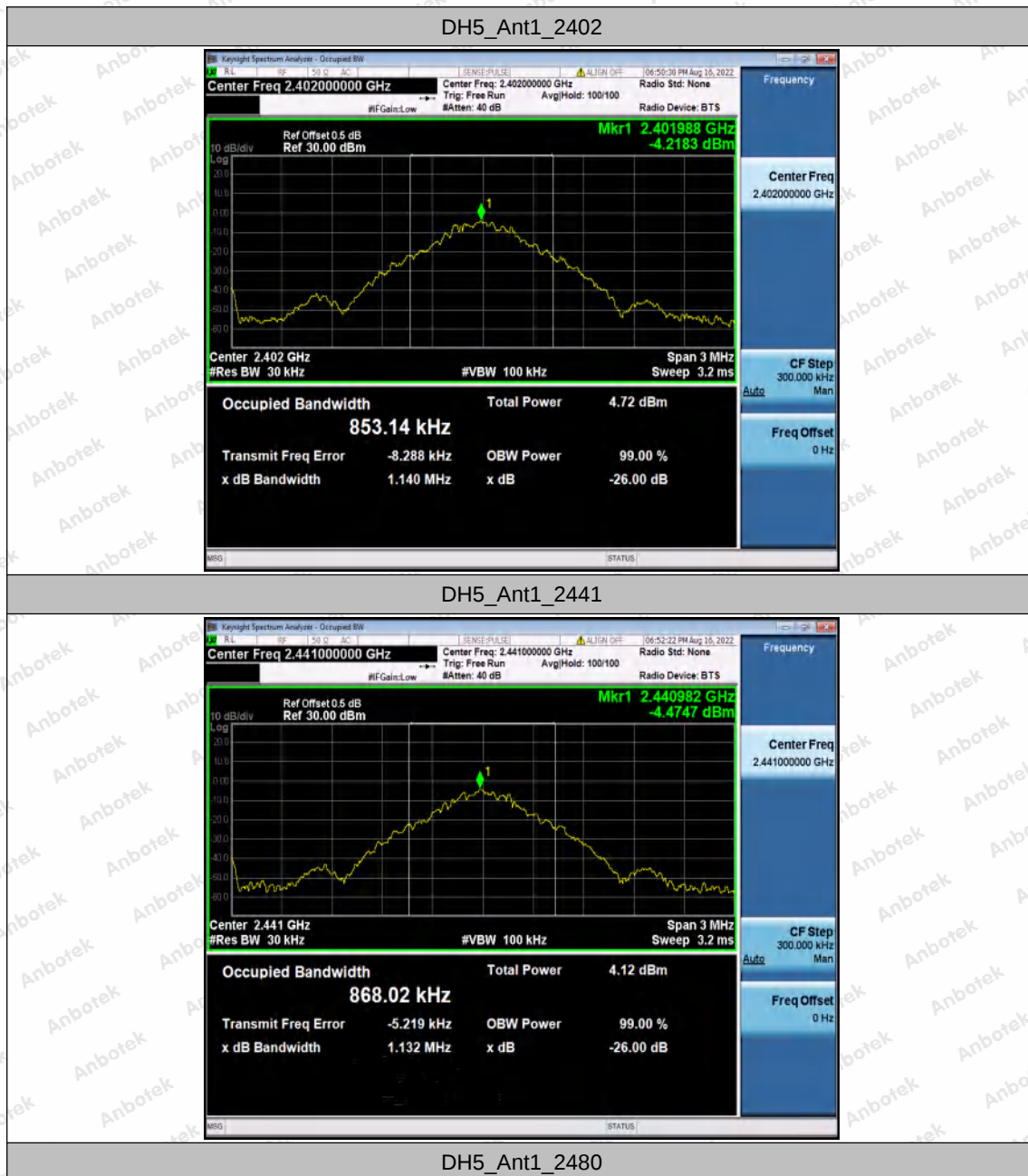
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85314	2401.5651	2402.4183	---	---
		2441	0.86802	2440.5608	2441.4288	---	---
		2480	0.87125	2479.5609	2480.4321	---	---
2DH5	Ant1	2402	1.1914	2401.4001	2402.5915	---	---
		2441	1.1849	2440.4031	2441.5880	---	---
		2480	1.1795	2479.4050	2480.5845	---	---



Test Graphs



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2DH5_Ant1_2402



2DH5_Ant1_2441



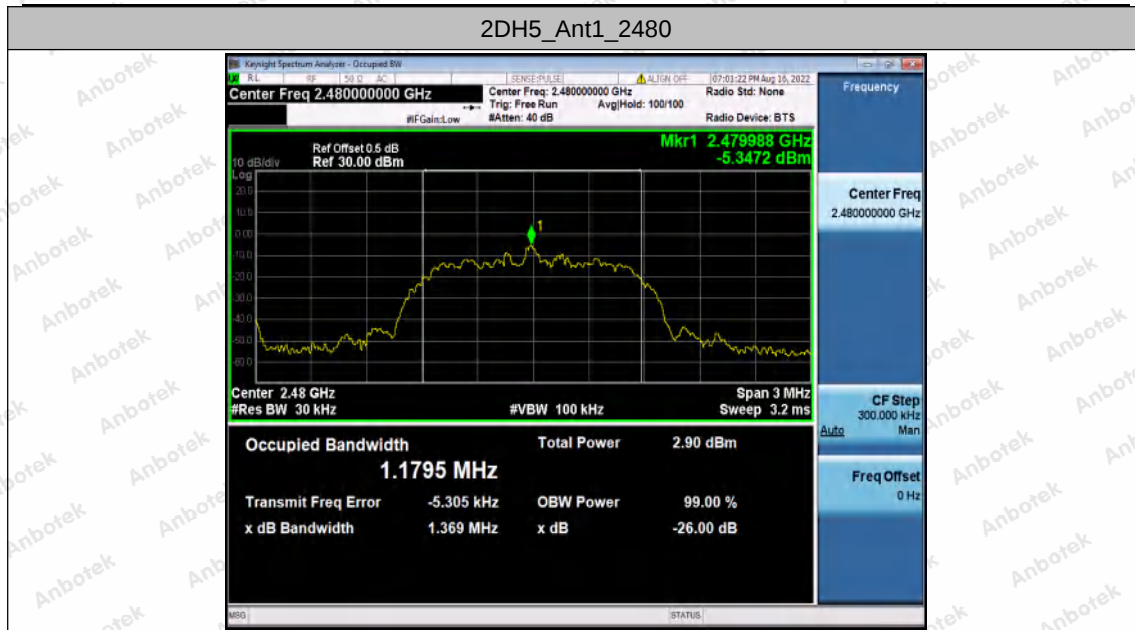
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Appendix C: Maximum conducted output power

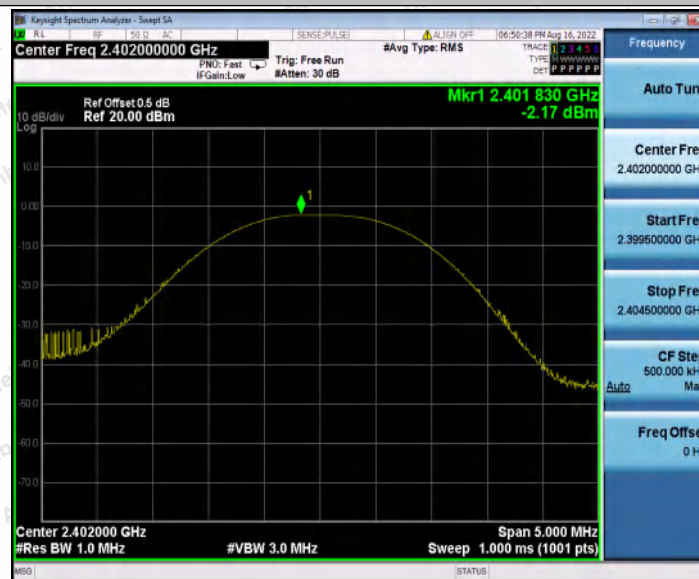
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.17	≤20	PASS
		2441	-2.57	≤20	PASS
		2480	-3.47	≤20	PASS
2DH5	Ant1	2402	-1.1	≤20	PASS
		2441	-1.49	≤20	PASS
		2480	-2.34	≤20	PASS



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

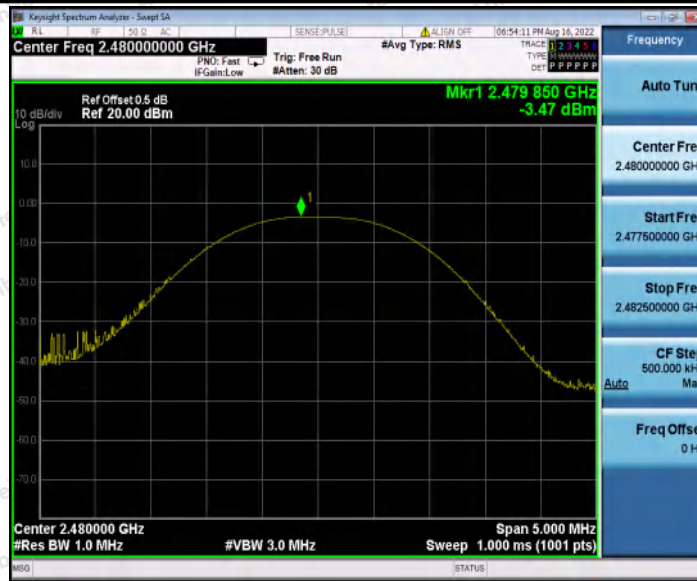
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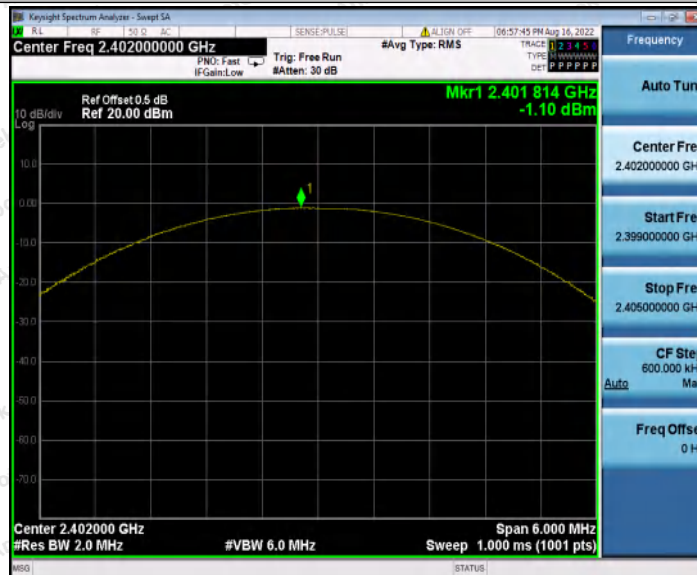


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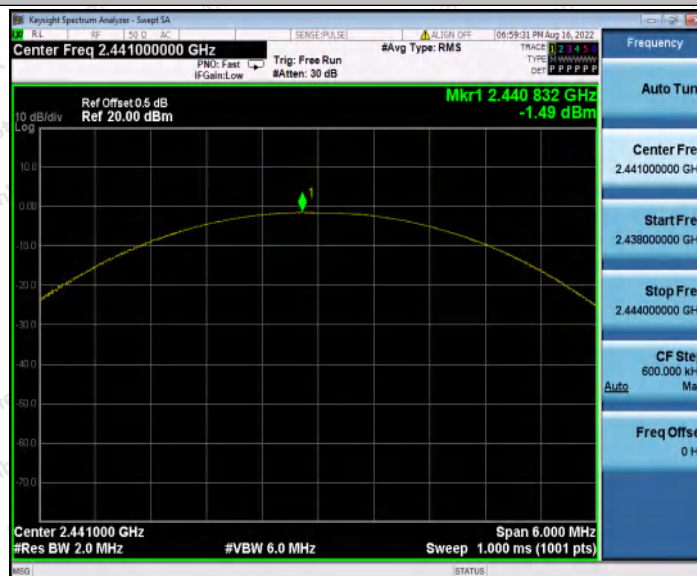




2DH5_Ant1_2402



2DH5_Ant1_2441



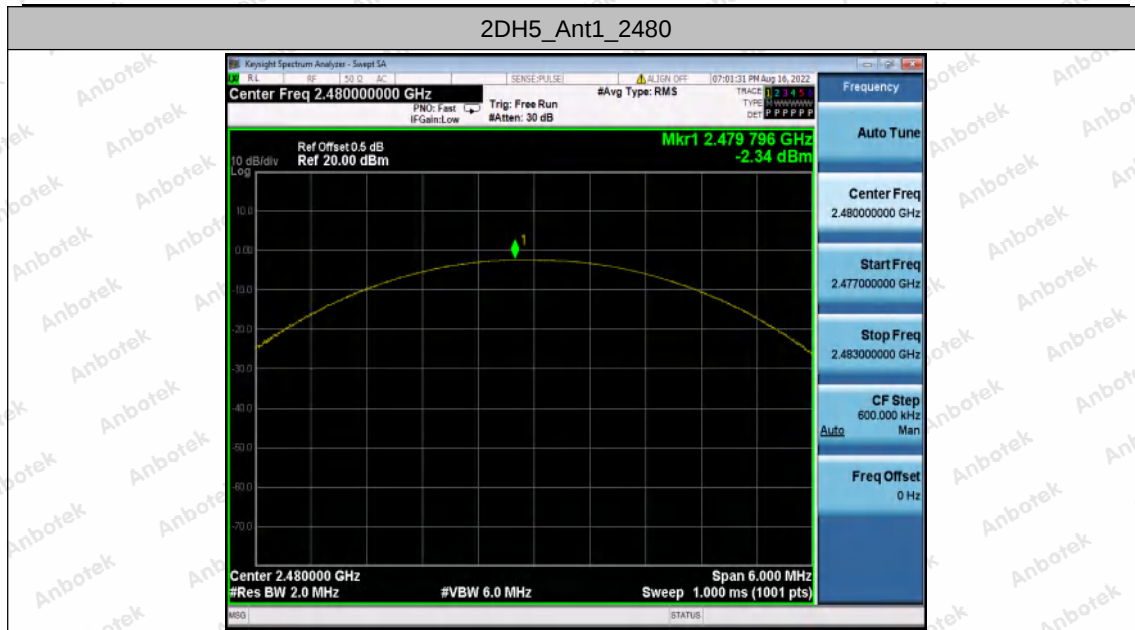
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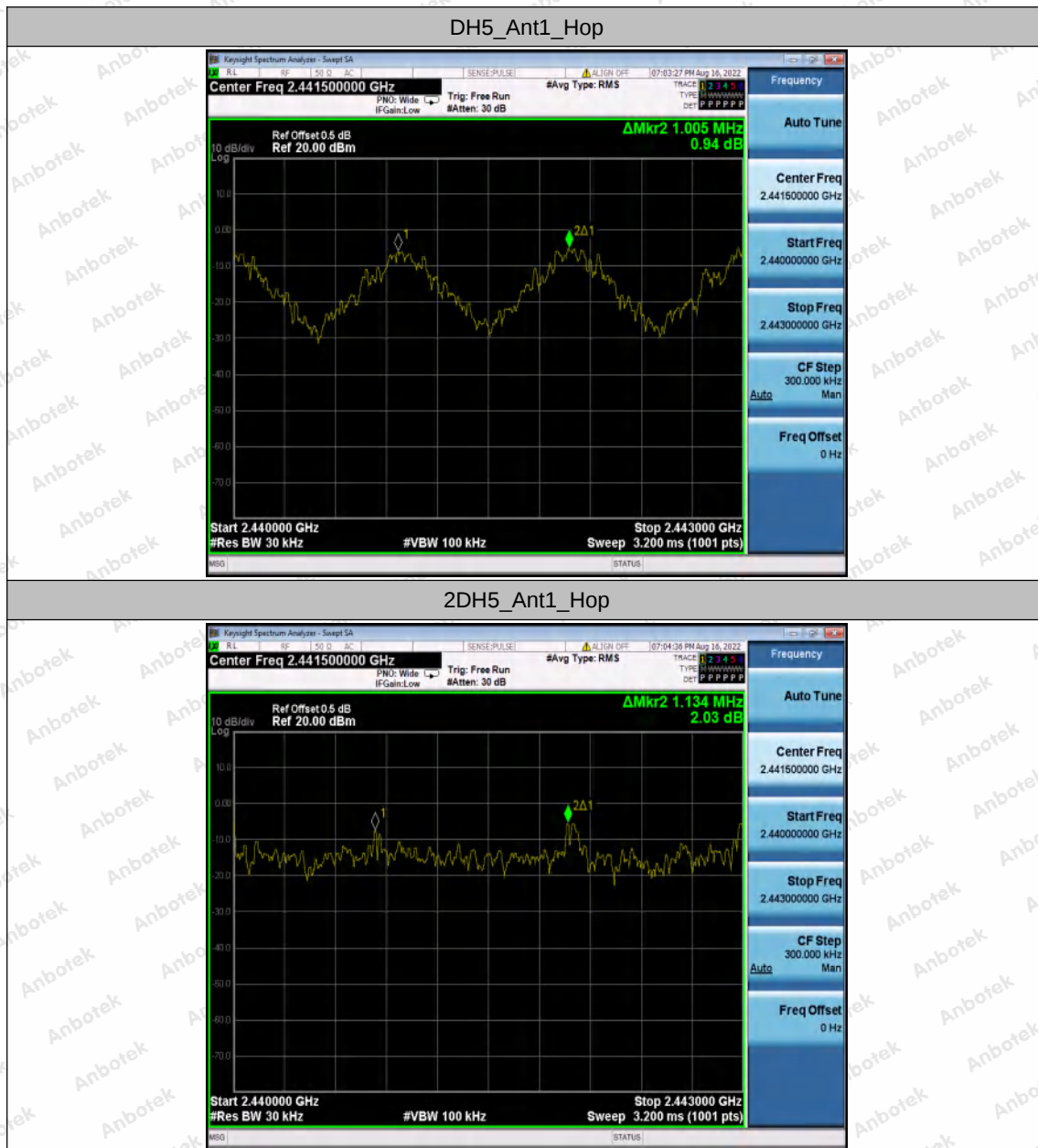
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.005	≥0.885	PASS
2DH5	Ant1	Hop	1.134	≥0.875	PASS



Test Graphs



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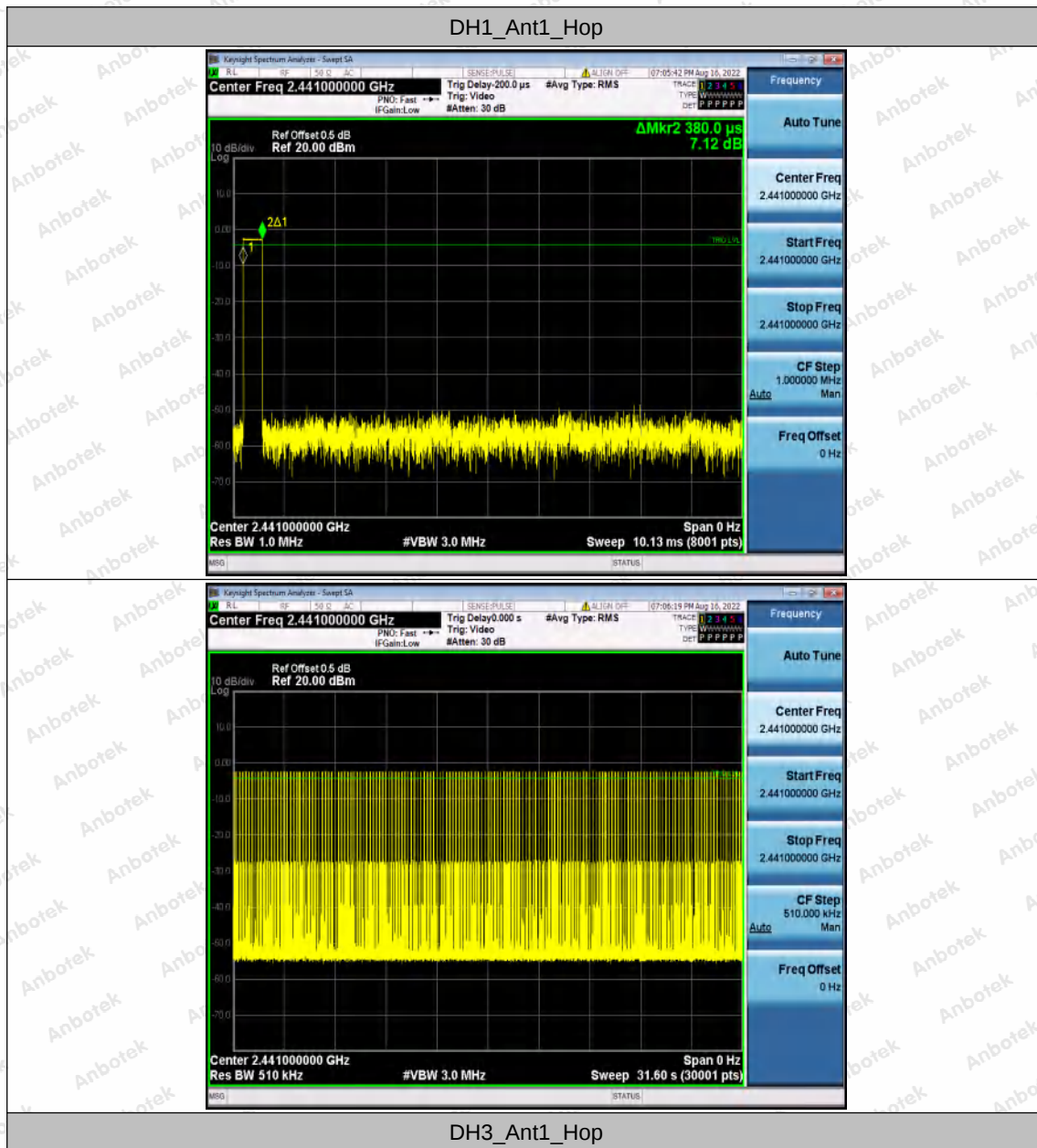
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	317	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.64	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.89	96	0.277	≤0.4	PASS
2DH1	Ant1	Hop	0.39	313	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.64	172	0.282	≤0.4	PASS
2DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS



Test Graphs



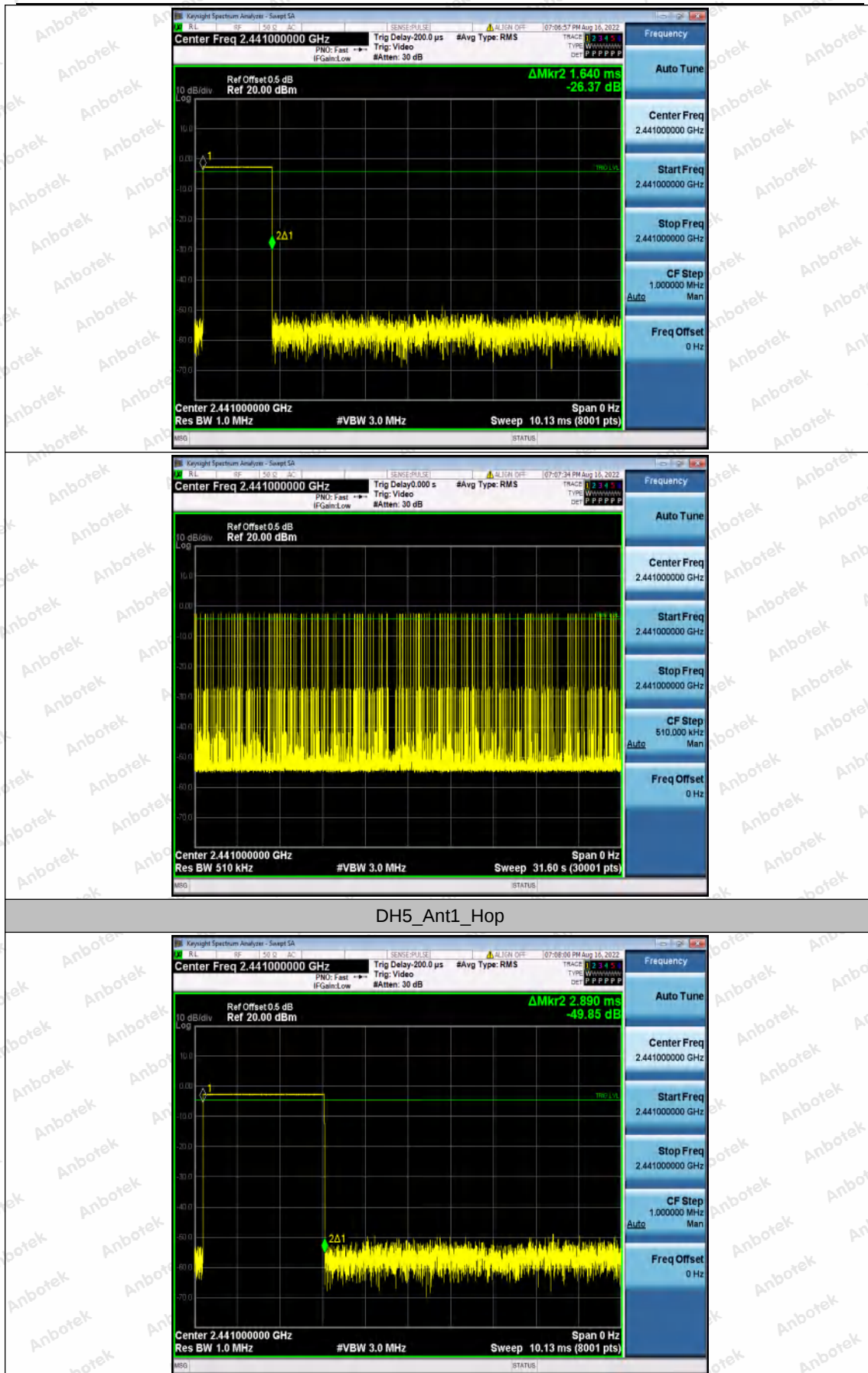
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DH5_Ant1_Hop

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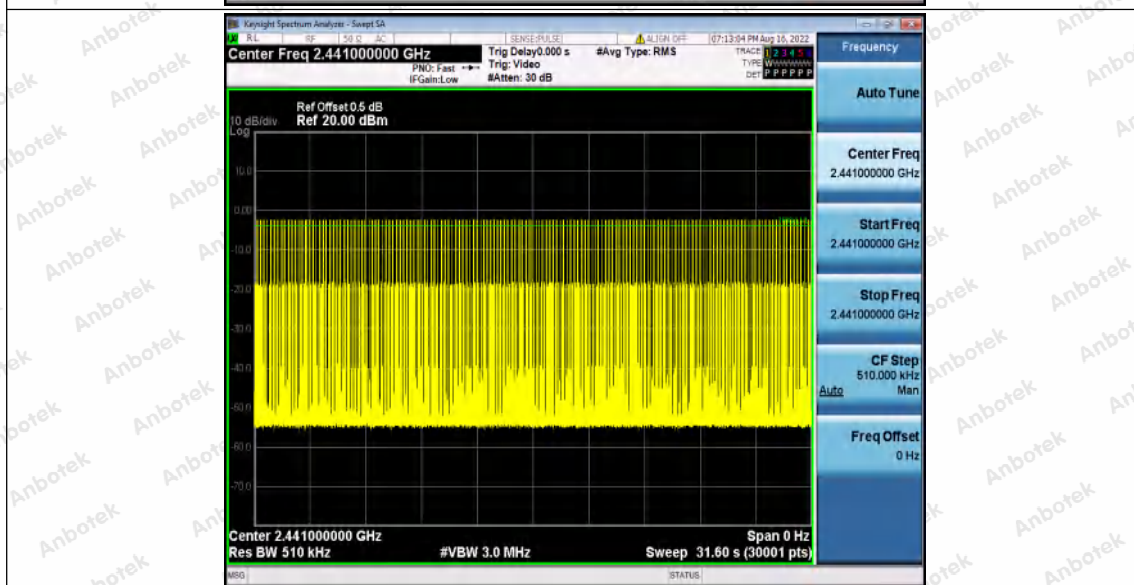
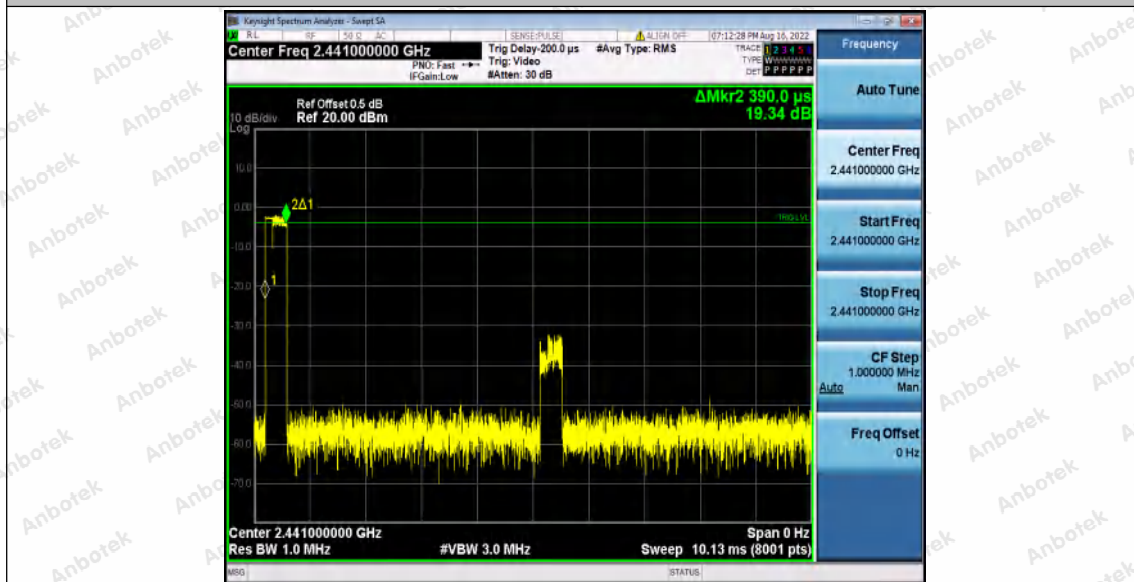


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2DH1_Ant1_Hop



2DH3_Ant1_Hop

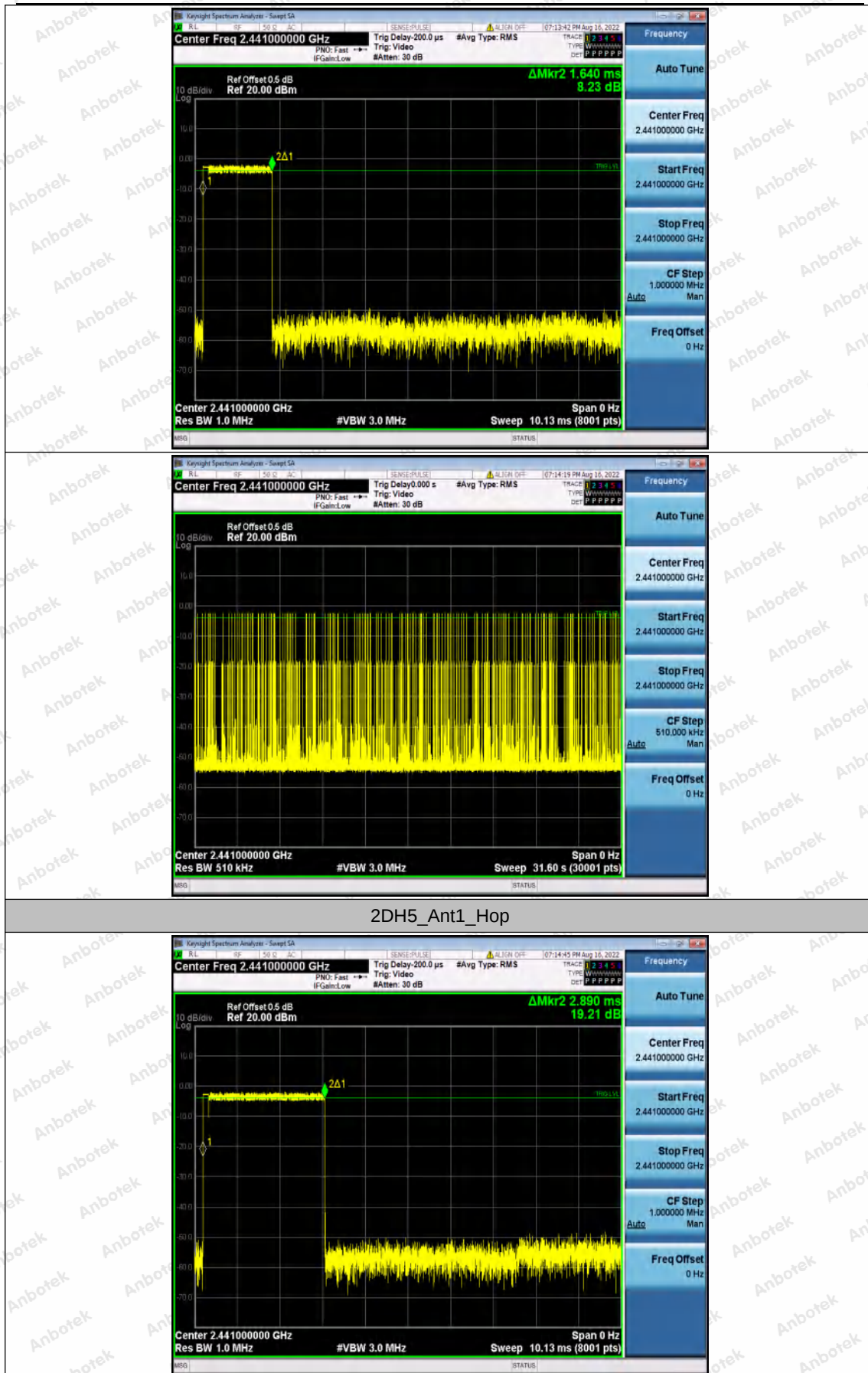
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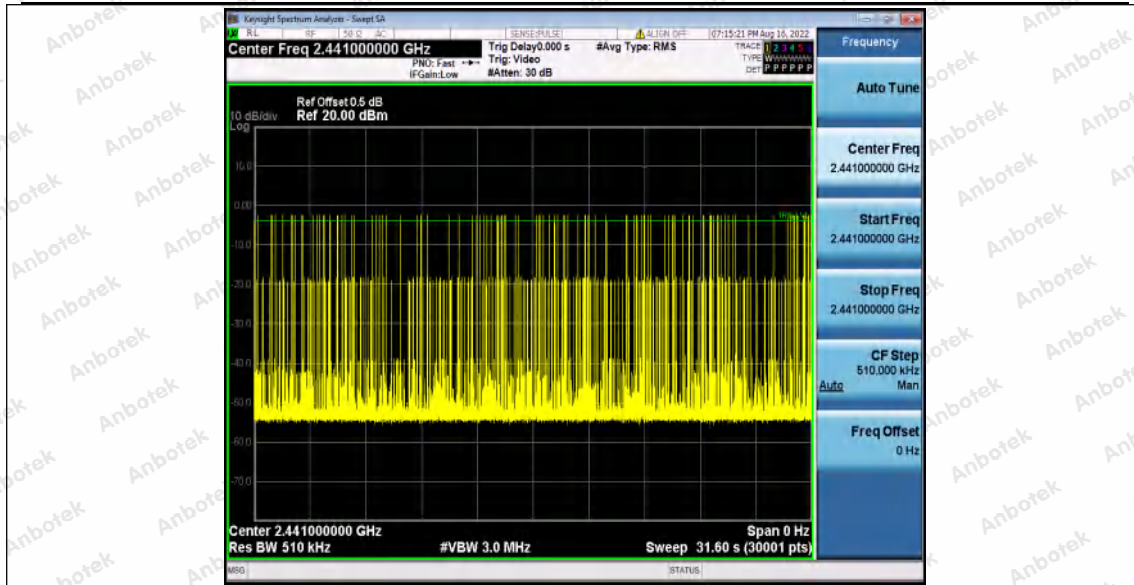
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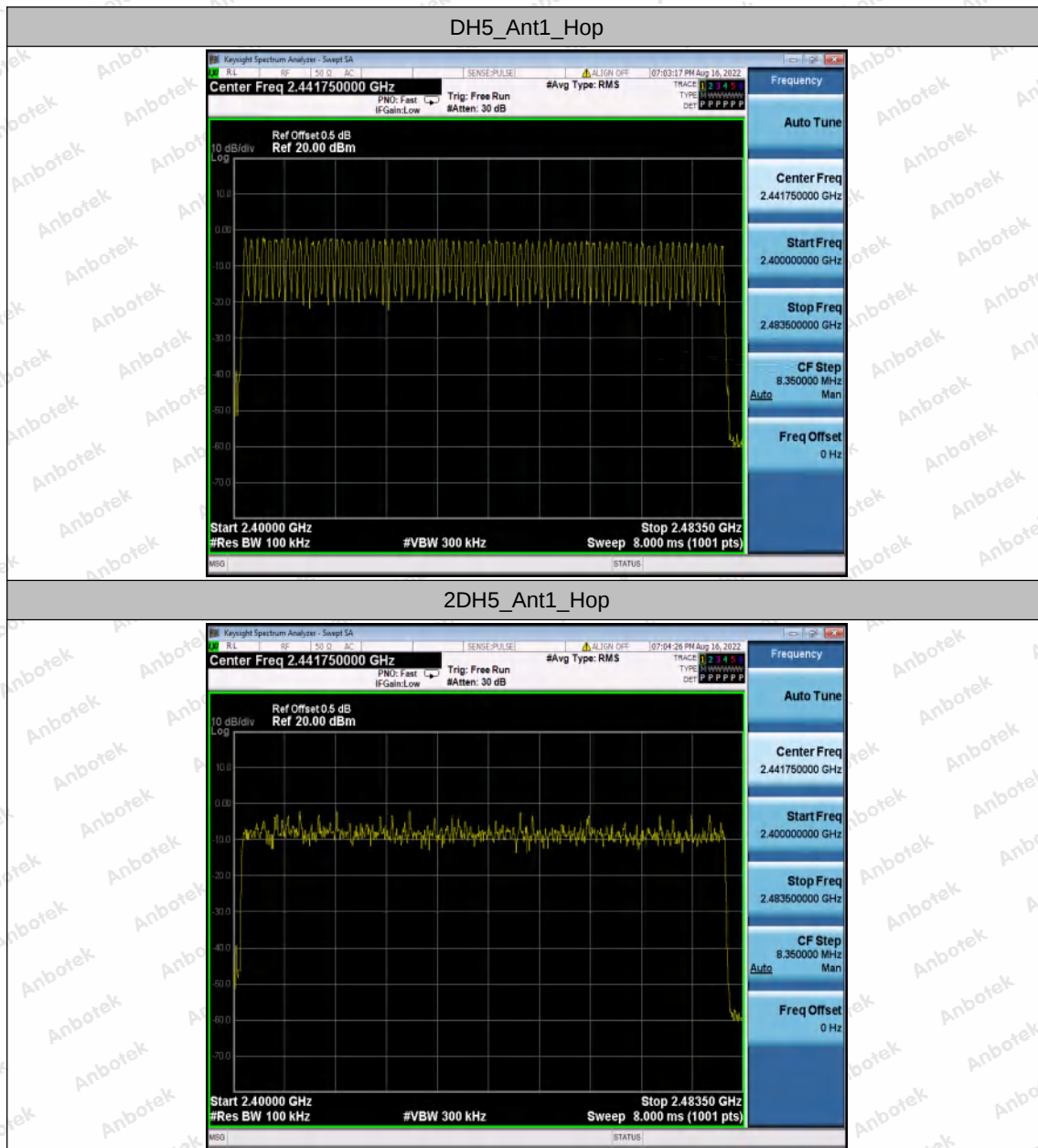
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	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

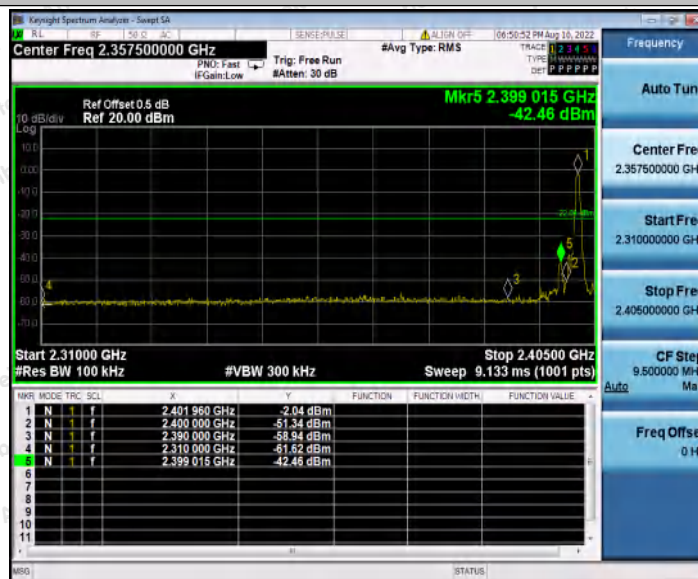
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.04	-42.46	≤-22.04	PASS
		High	2480	-3.38	-55.58	≤-23.38	PASS
		Low	Hop	-2.21	-49.27	≤-22.21	PASS
		High	Hop	-4.00	-60.27	≤-24	PASS
2DH5	Ant1	Low	2402	-2.03	-42.55	≤-22.03	PASS
		High	2480	-3.27	-56.88	≤-23.27	PASS
		Low	Hop	-3.32	-57.41	≤-23.32	PASS
		High	Hop	-3.56	-59.15	≤-23.56	PASS

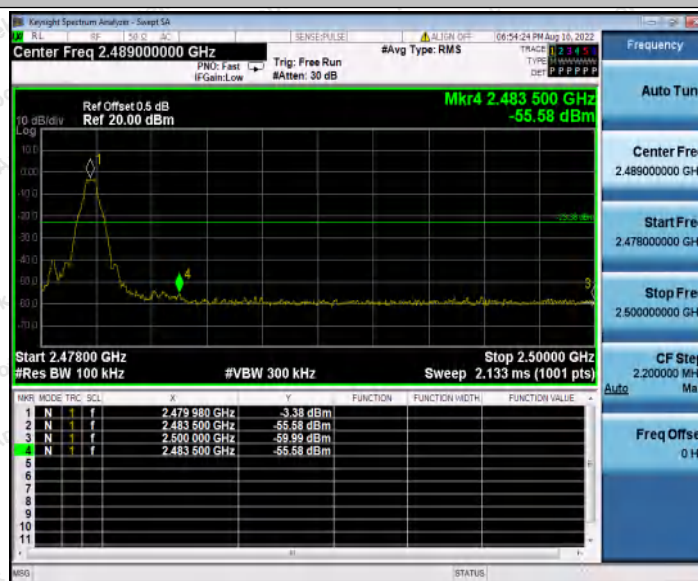


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop

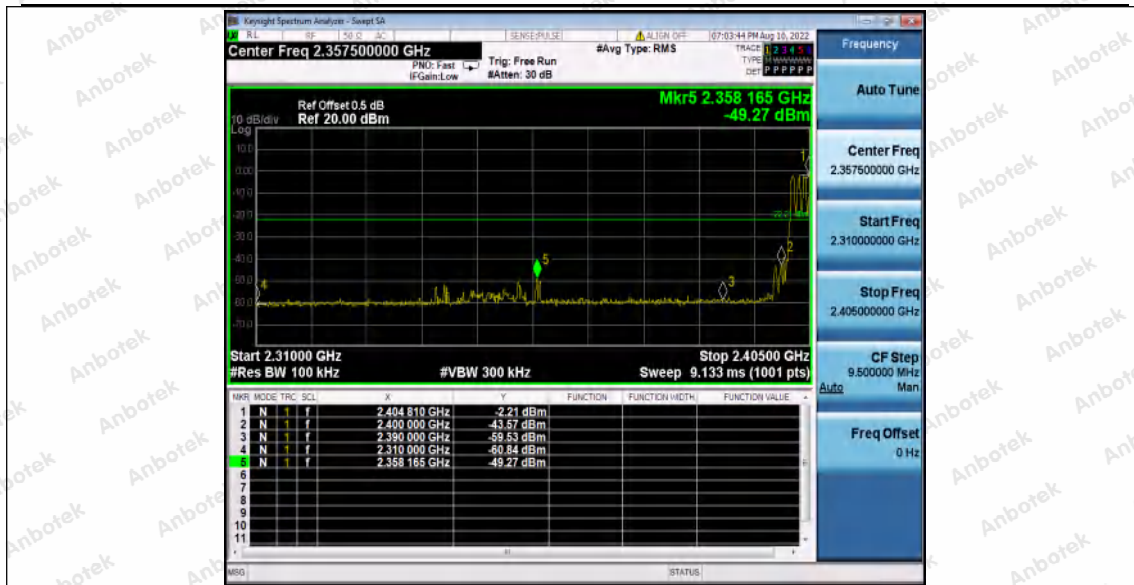
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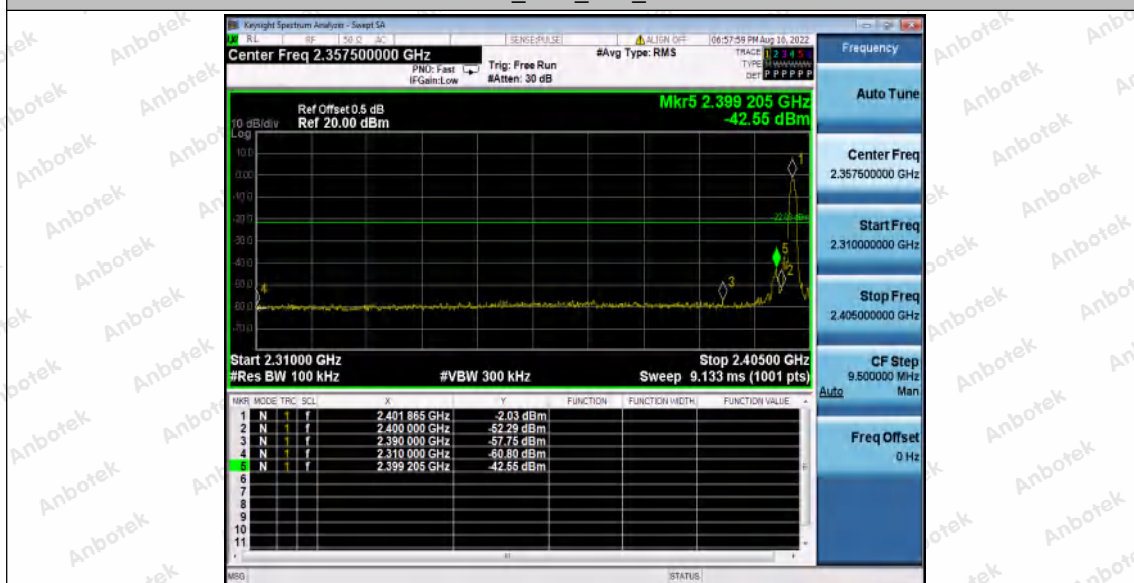




DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



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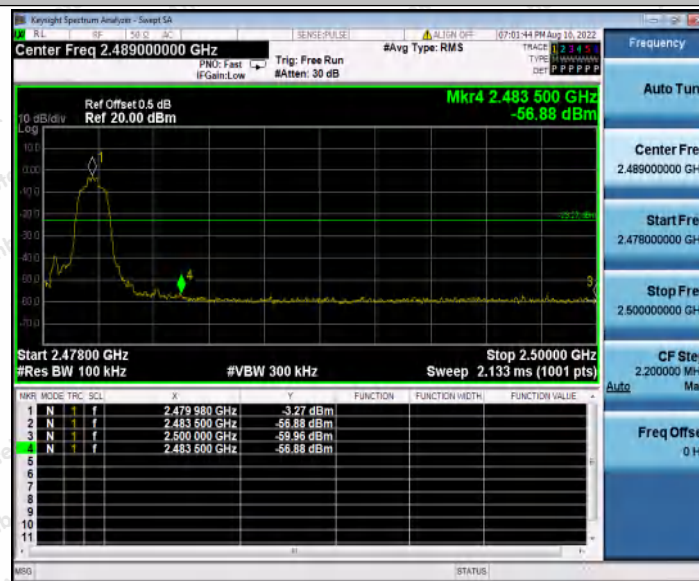
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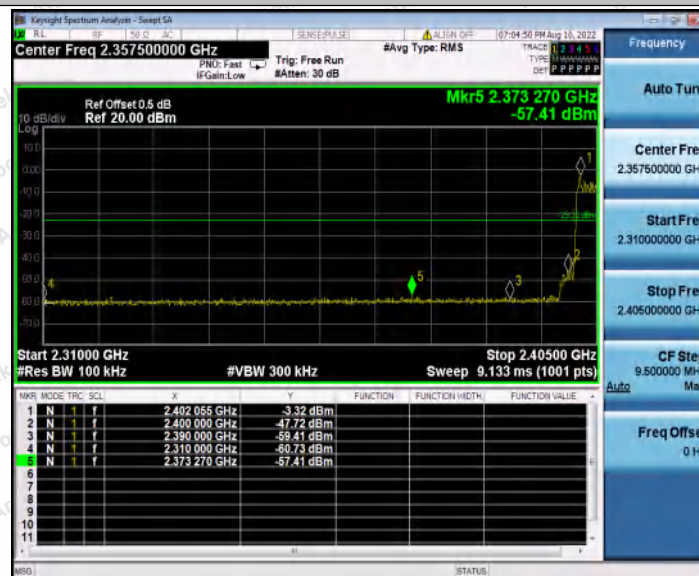
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



2DH5_Ant1_High_Hop

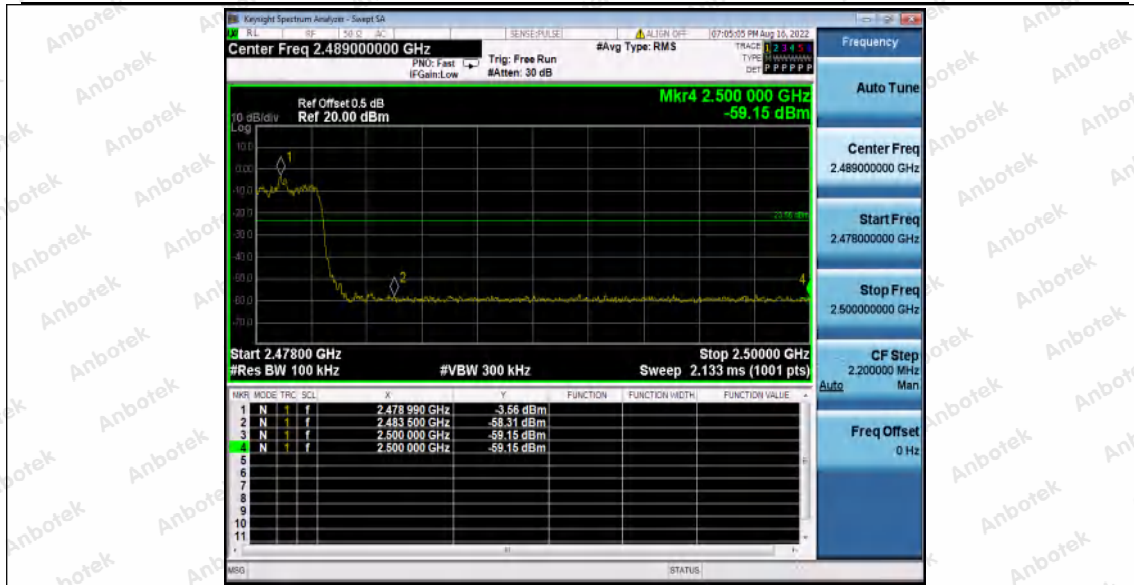
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Appendix H: Conducted Spurious Emission

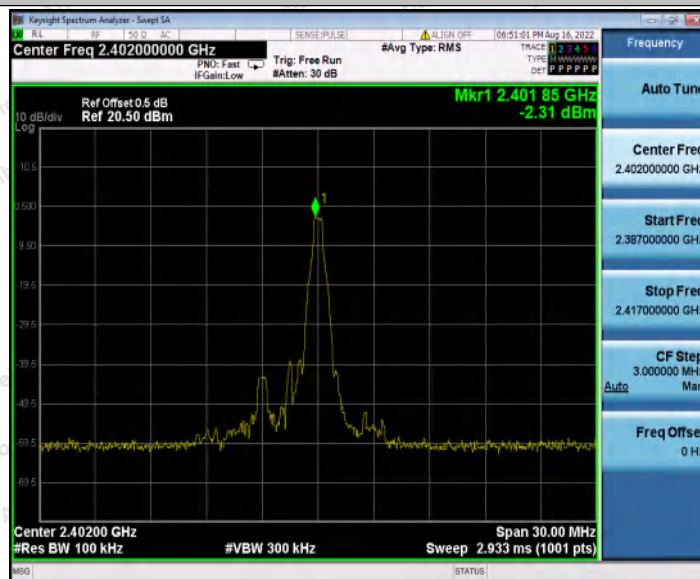
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.31	-2.31	---	PASS
			30~1000	-2.31	-62.06	≤-22.31	PASS
			1000~26500	-2.31	-28.45	≤-22.31	PASS
		2441	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-62.25	≤-22.73	PASS
			1000~26500	-2.73	-27.85	≤-22.73	PASS
		2480	Reference	-3.39	-3.39	---	PASS
			30~1000	-3.39	-62.42	≤-23.39	PASS
			1000~26500	-3.39	-27.99	≤-23.39	PASS
2DH5	Ant1	2402	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-62.02	≤-21.99	PASS
			1000~26500	-1.99	-28.47	≤-21.99	PASS
		2441	Reference	-2.45	-2.45	---	PASS
			30~1000	-2.45	-61.93	≤-22.45	PASS
			1000~26500	-2.45	-27.78	≤-22.45	PASS
		2480	Reference	-3.39	-3.39	---	PASS
			30~1000	-3.39	-62.01	≤-23.39	PASS
			1000~26500	-3.39	-28.07	≤-23.39	PASS

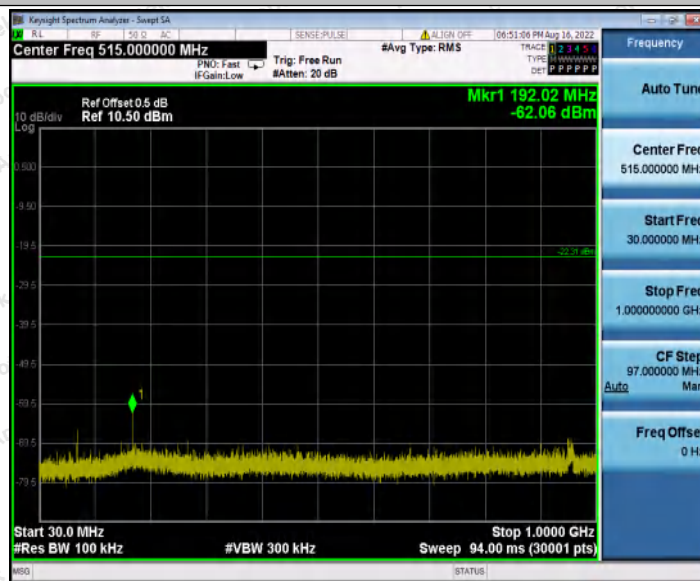


Test Graphs

DH5_Ant1_2402_0-Reference



DH5_Ant1_2402_30-1000



DH5_Ant1_2402_1000-26500

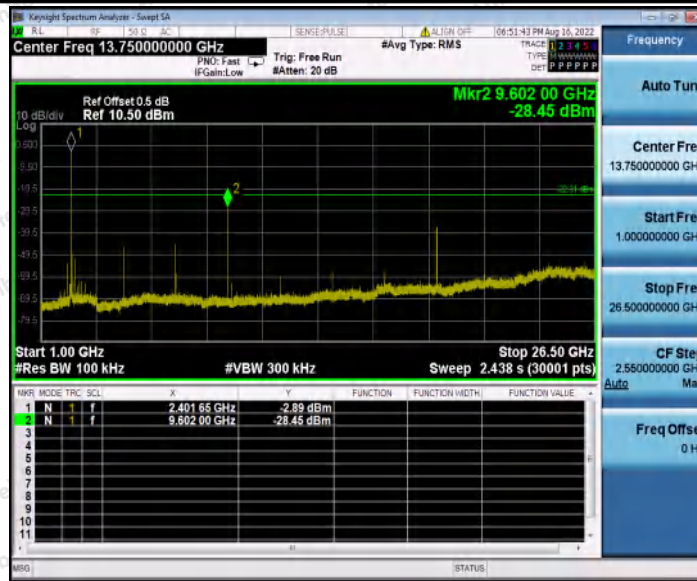
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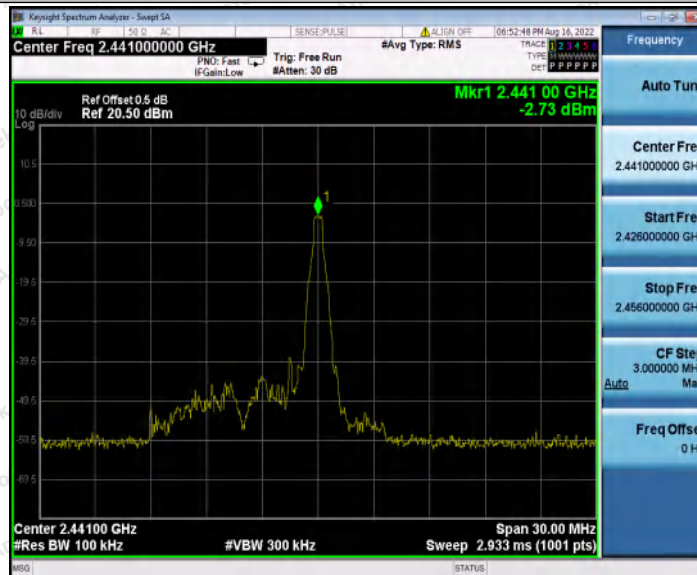


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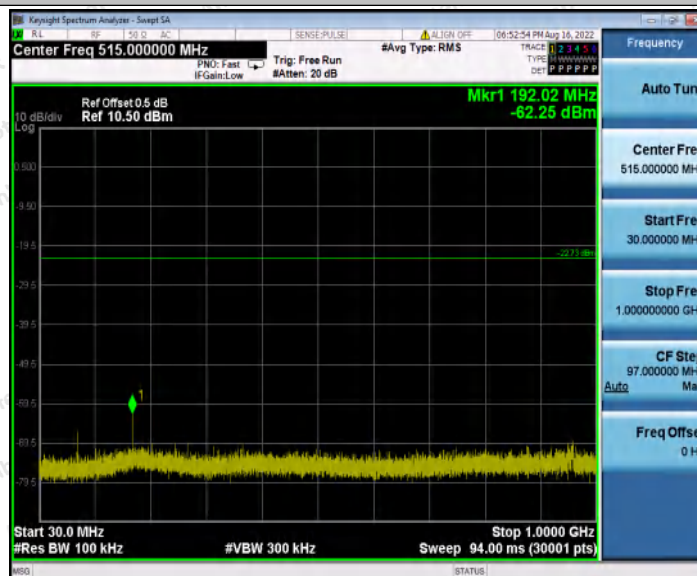




DH5_Ant1_2441_0-Reference



DH5_Ant1_2441_30-1000



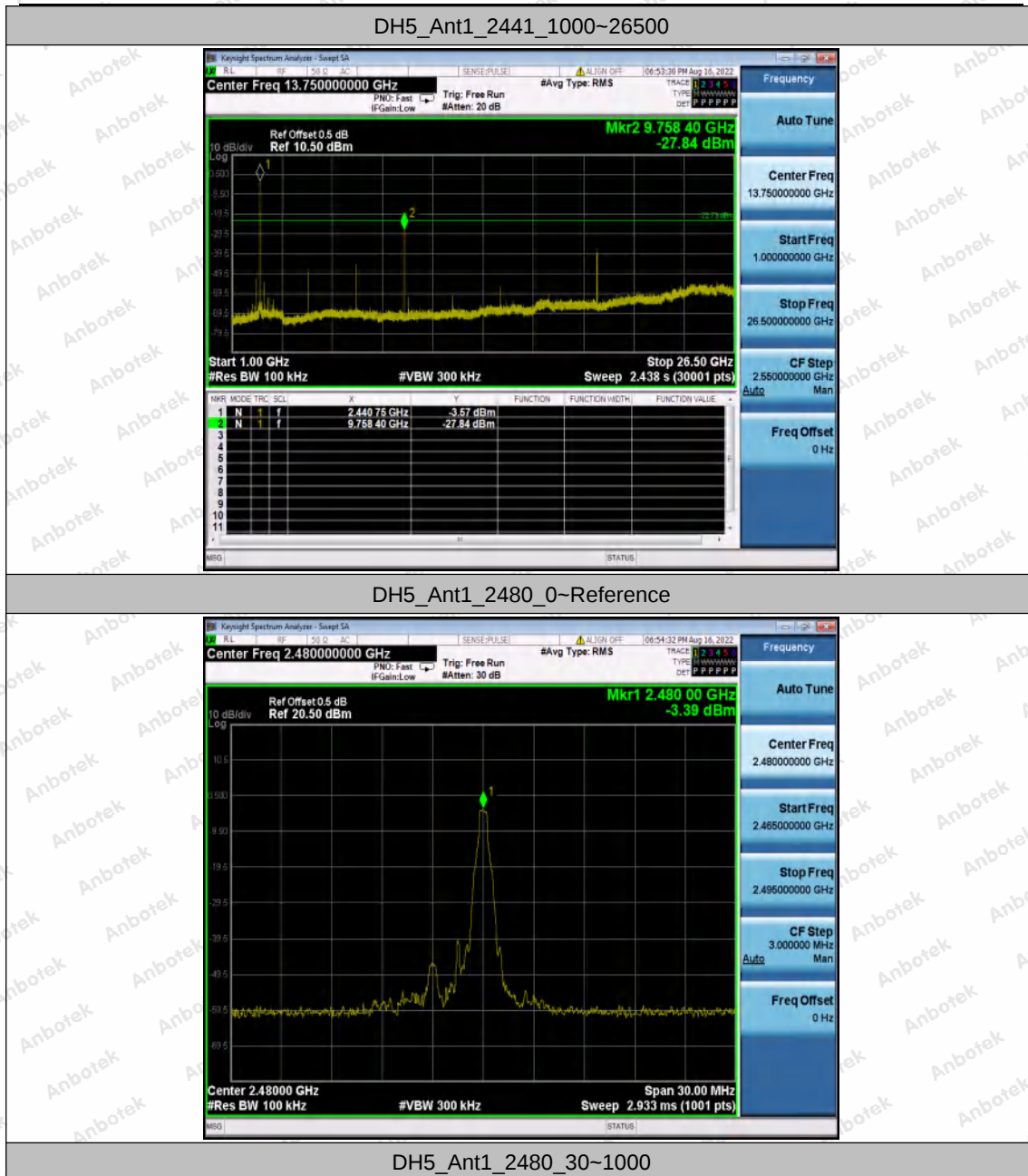
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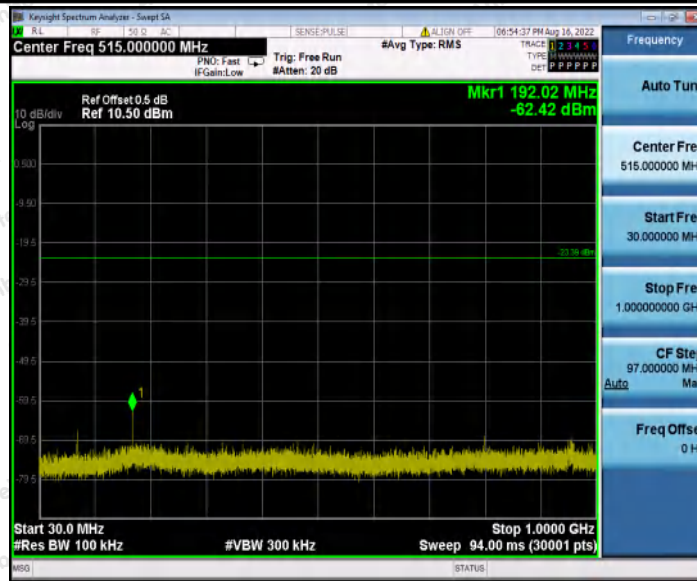
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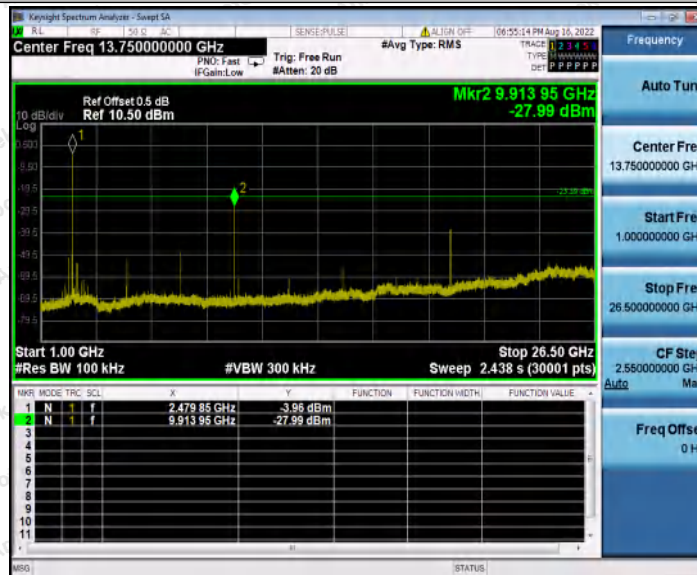


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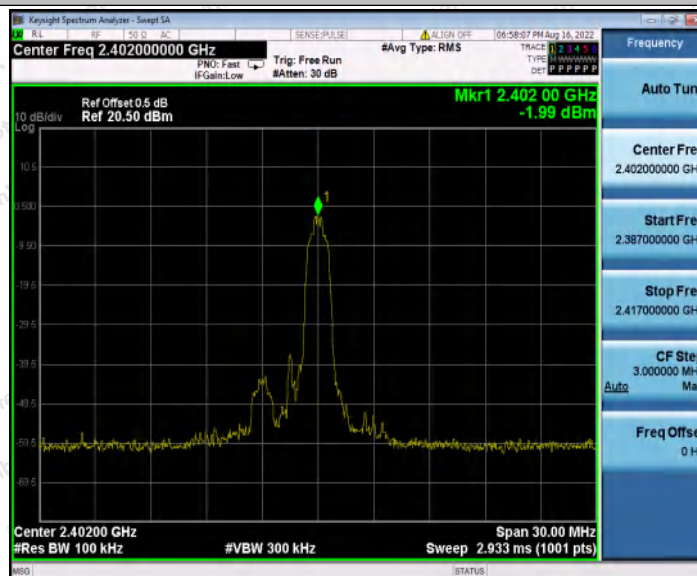




DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0-Reference



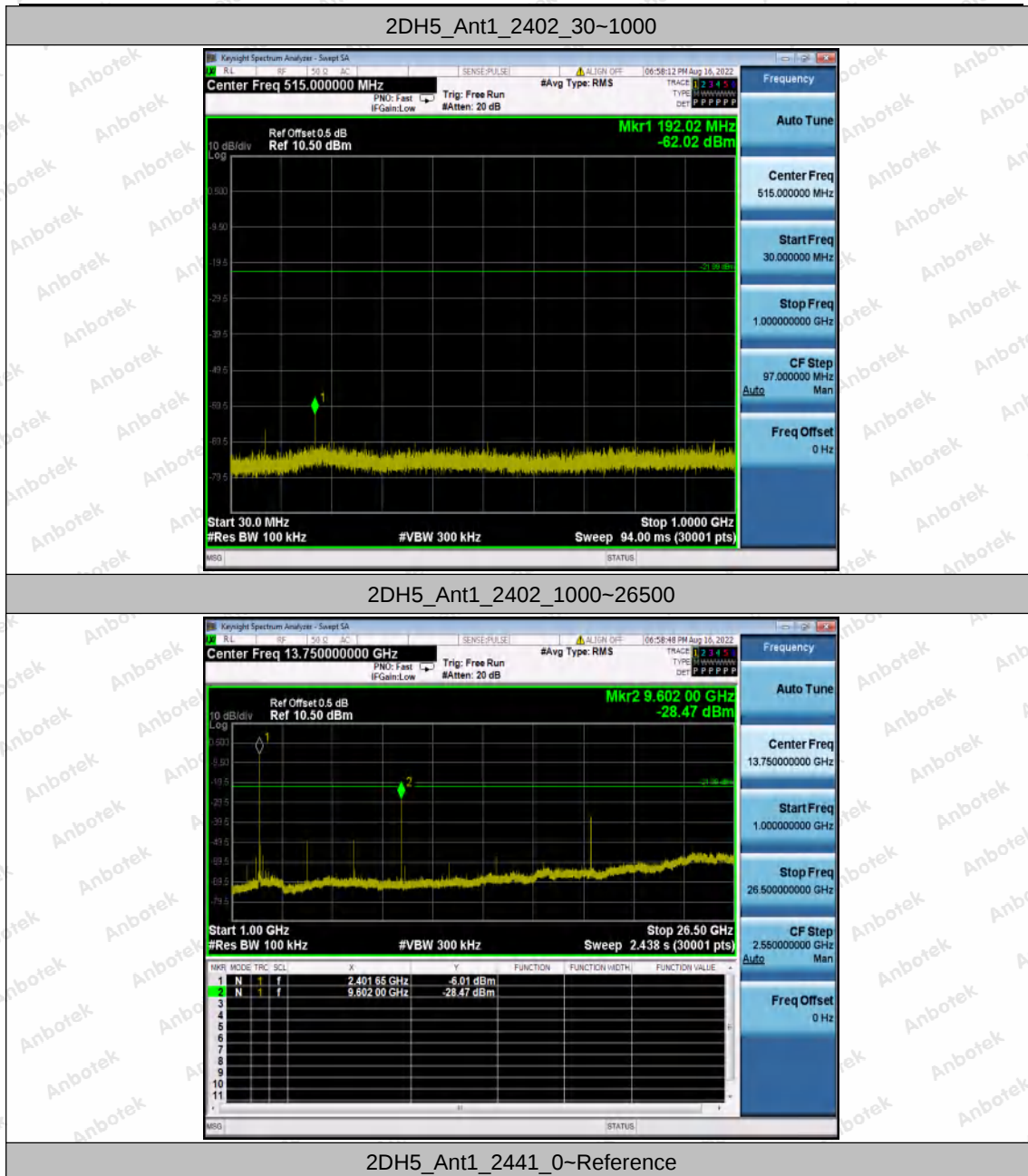
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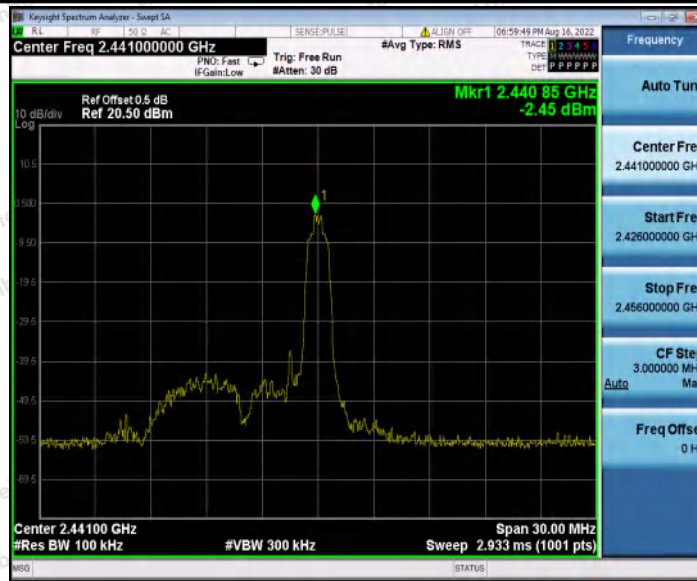
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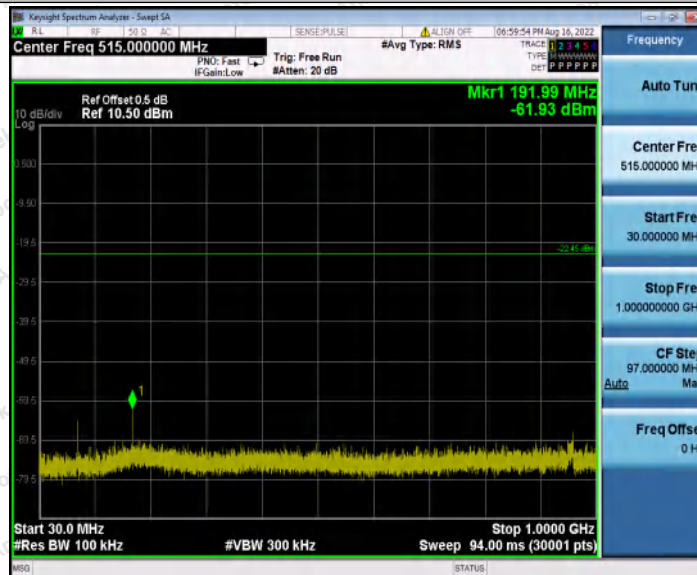


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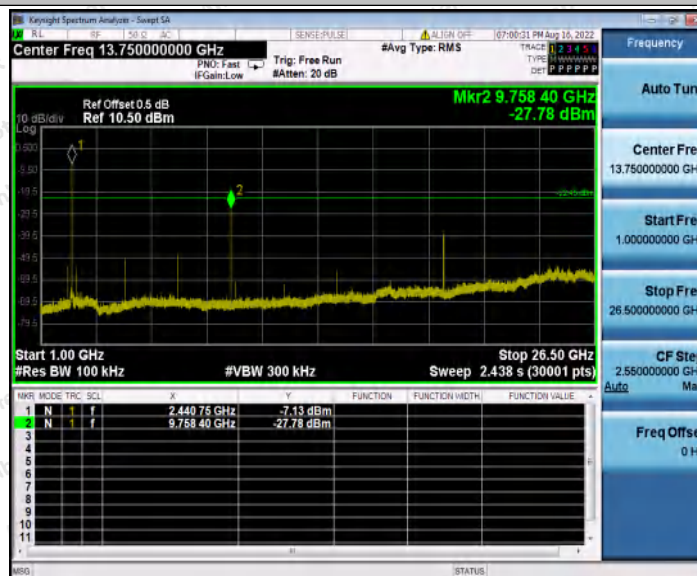




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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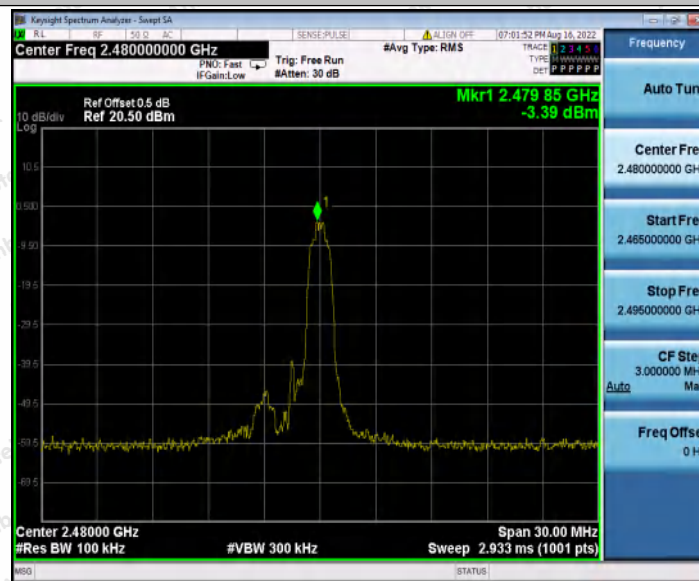
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



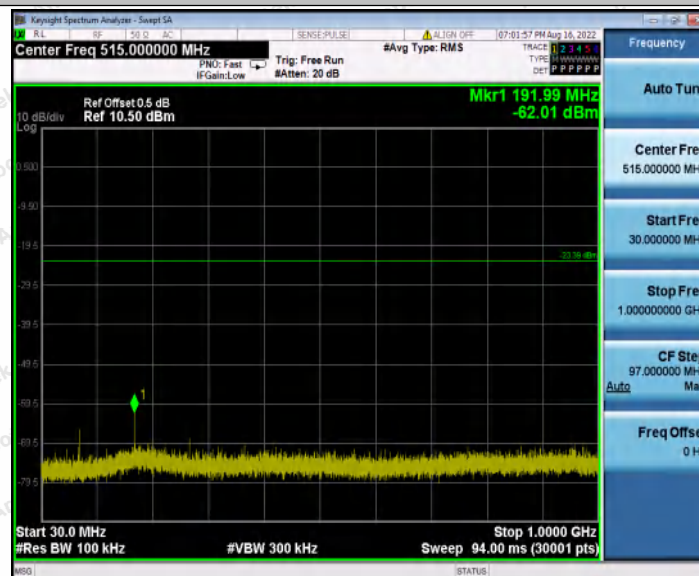
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

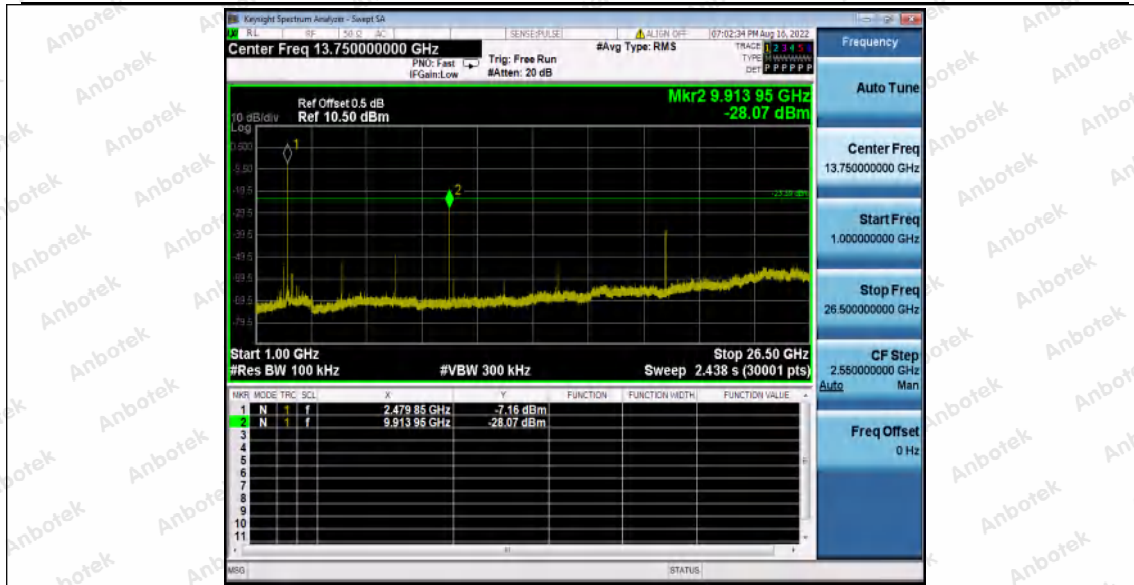
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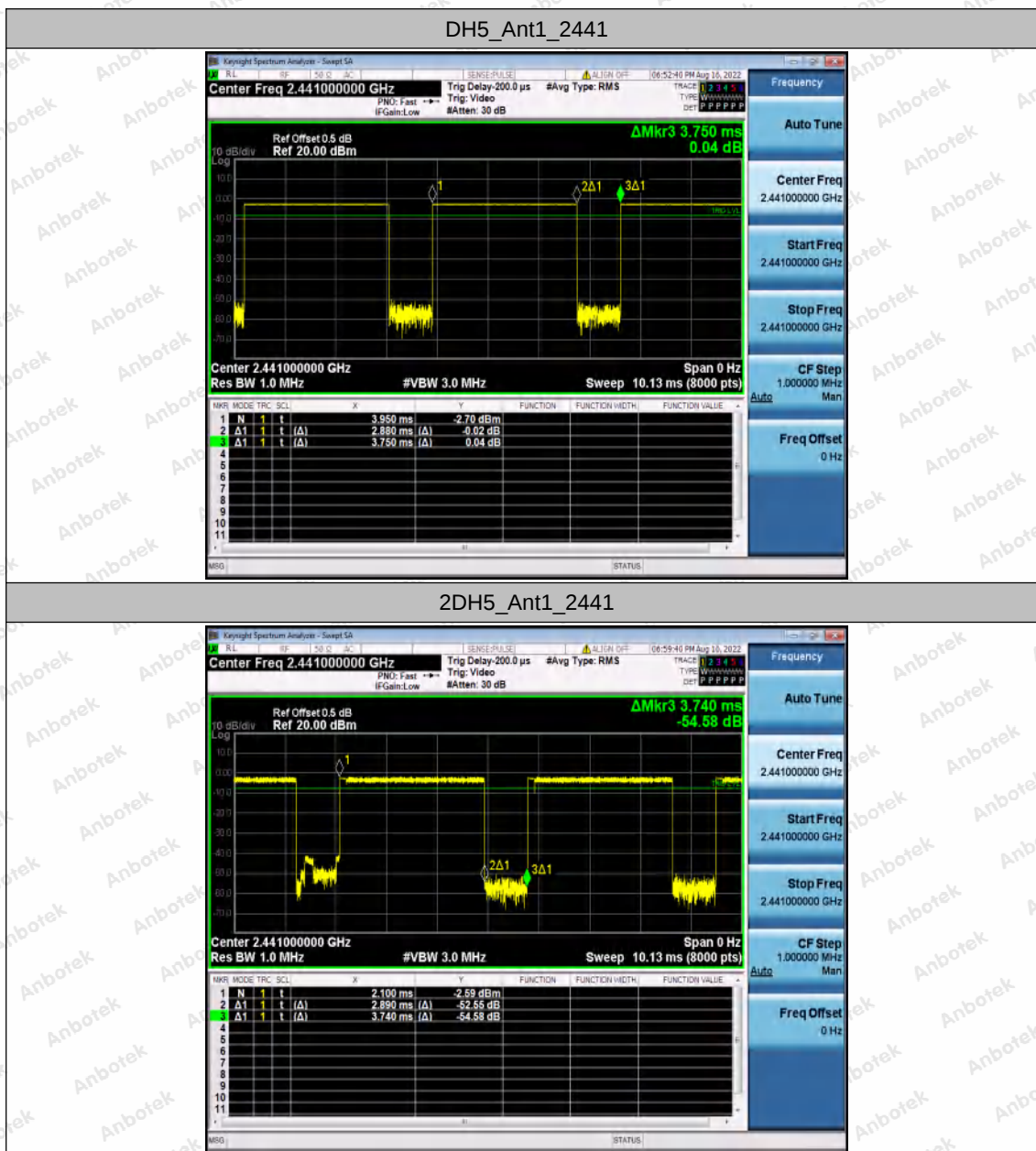
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.89	3.74	77.27	1.12



Test Graphs



---End---

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