

Appendix Test Data

Report No.:	18220WC30201501	Test Sample No.:	1-2-2
Start Test Date:	2023.09.15	Finish Test Date:	2023.09.19
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.1°C	Relative Humidity:	48.3%
Pressure:	102 kPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.035	2401.496	2402.531	---	---
		2441	1.038	2440.493	2441.531	---	---
		2480	1.041	2479.493	2480.534	---	---
2DH5	Ant1	2402	1.362	2401.334	2402.696	---	---
		2441	1.383	2440.322	2441.705	---	---
		2480	1.341	2479.349	2480.690	---	---

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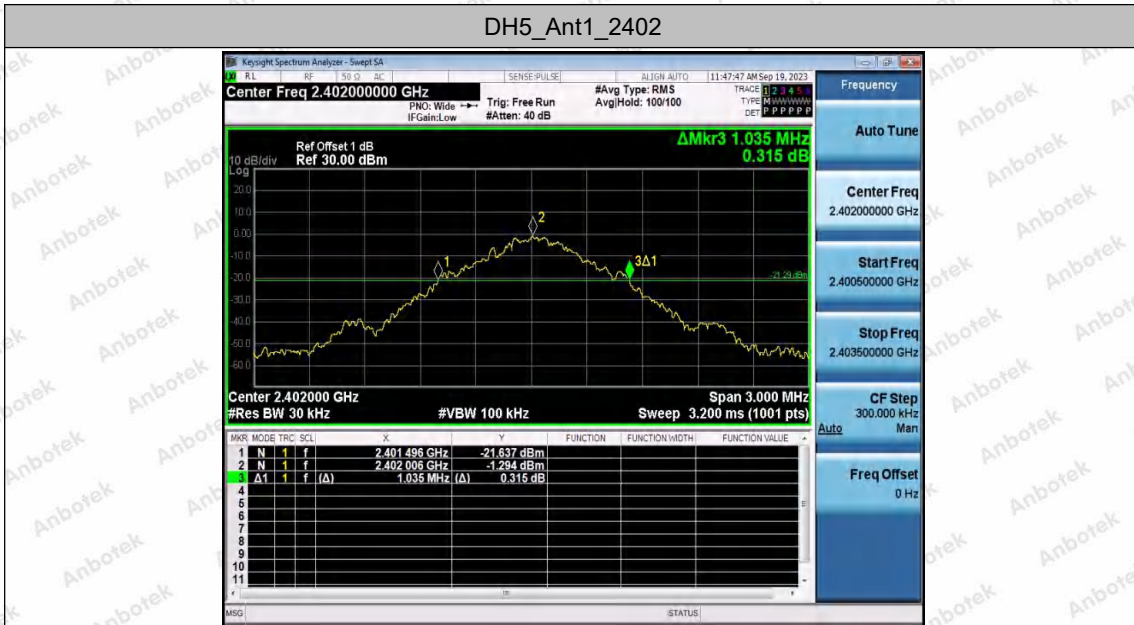
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Test Graphs



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441

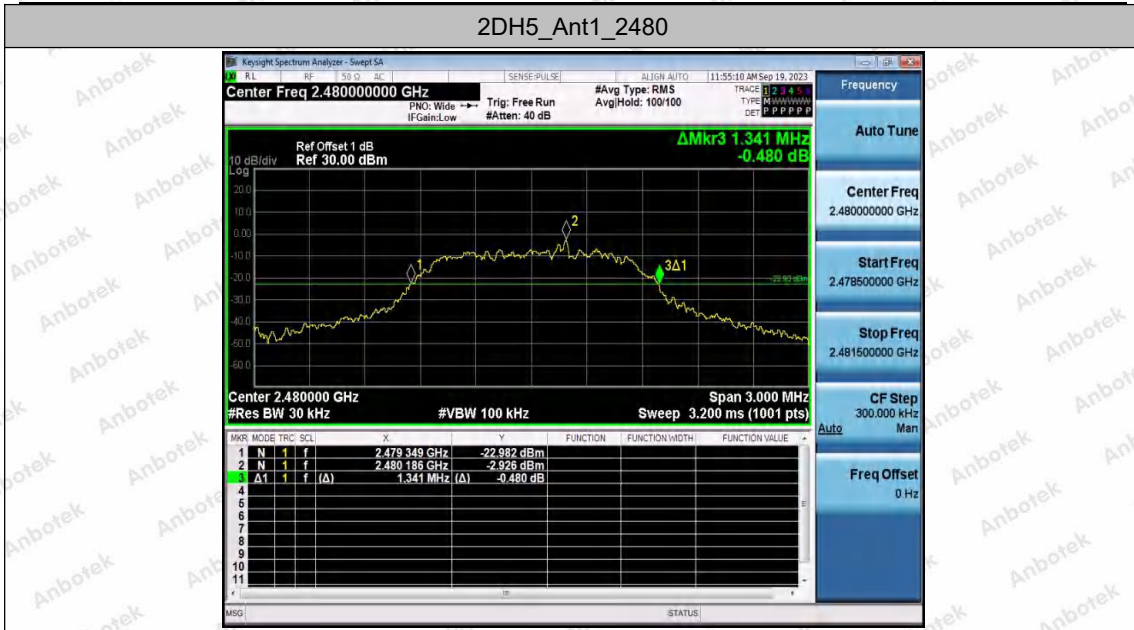


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.93701	2401.5386	2402.4756	---	---
		2441	0.95131	2440.5339	2441.4852	---	---
		2480	0.95278	2479.5292	2480.4819	---	---
2DH5	Ant1	2402	1.2198	2401.4075	2402.6273	---	---
		2441	1.2284	2440.4079	2441.6363	---	---
		2480	1.2273	2479.4077	2480.6350	---	---

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2DH5_Ant1_2402



2DH5_Ant1_2441

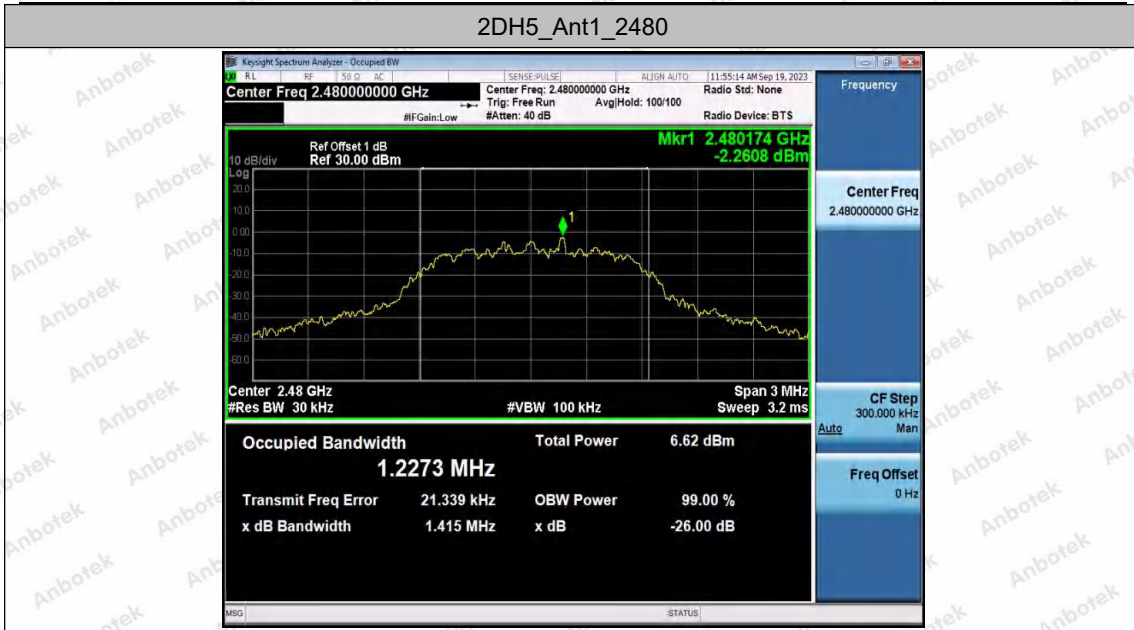


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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.51	≤20.97	PASS
		2441	1.13	≤20.97	PASS
		2480	0.64	≤20.97	PASS
2DH5	Ant1	2402	2.32	≤20.97	PASS
		2441	1.91	≤20.97	PASS
		2480	1.45	≤20.97	PASS

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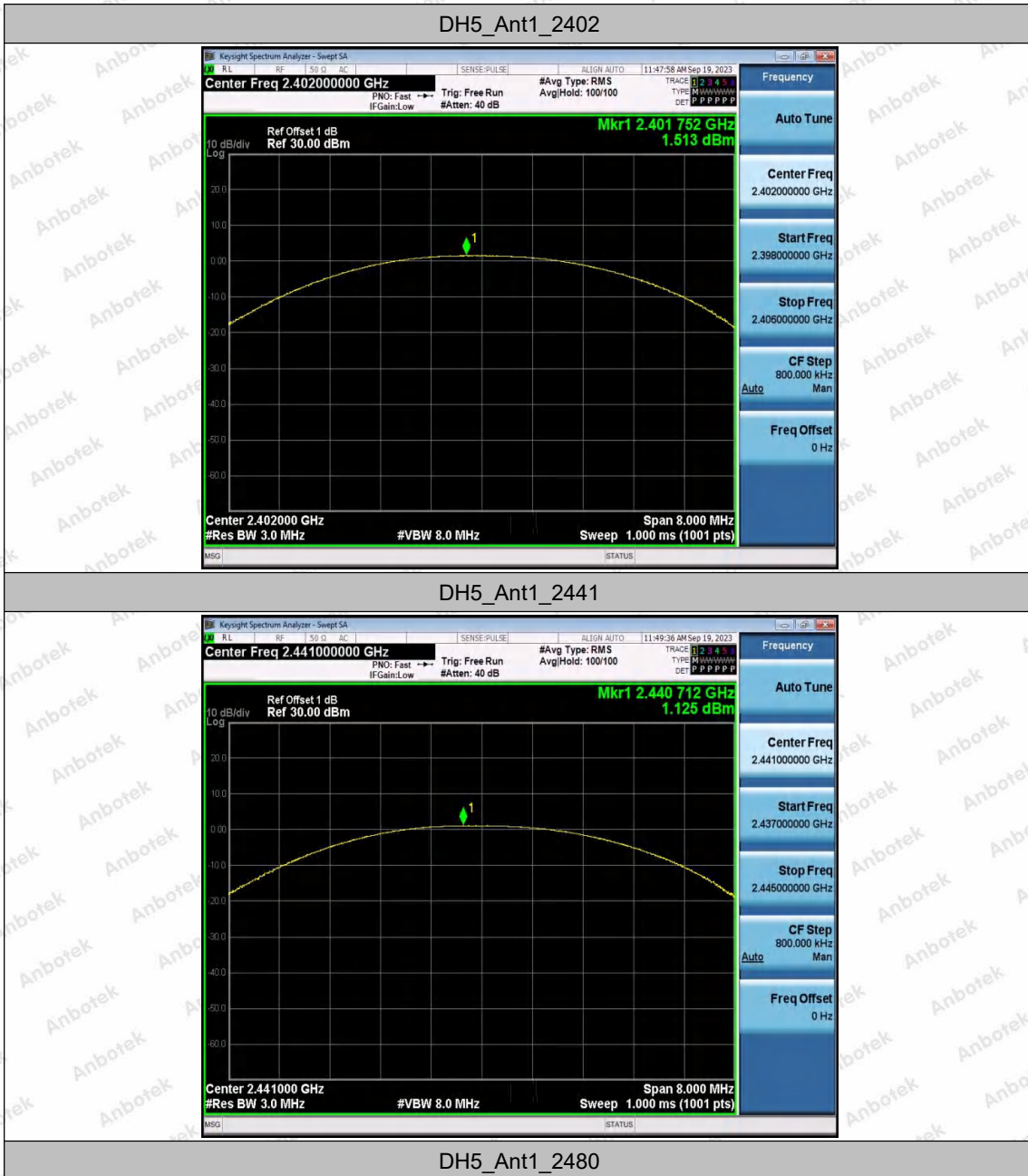
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2DH5_Ant1_2402



2DH5_Ant1_2441

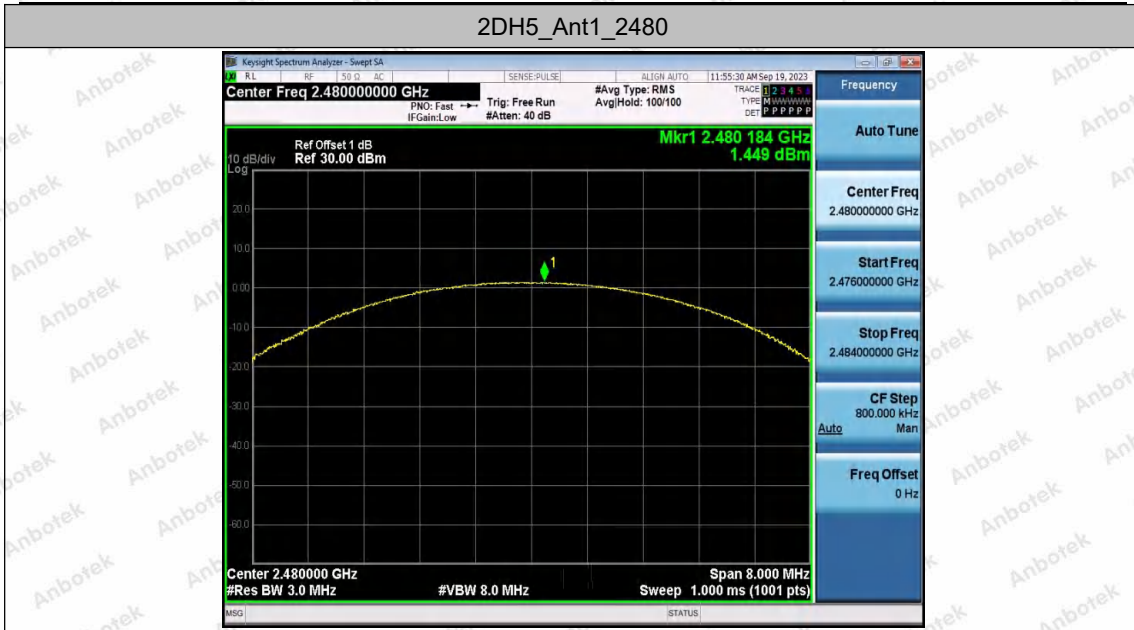


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥0.694	PASS
2DH5	Ant1	Hop	1.020	≥0.922	PASS

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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	0.374	315	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.630	154	0.251	≤0.4	PASS
DH5	Ant1	Hop	2.878	113	0.325	≤0.4	PASS
2DH1	Ant1	Hop	0.385	316	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.637	155	0.254	≤0.4	PASS
2DH5	Ant1	Hop	2.885	107	0.309	≤0.4	PASS

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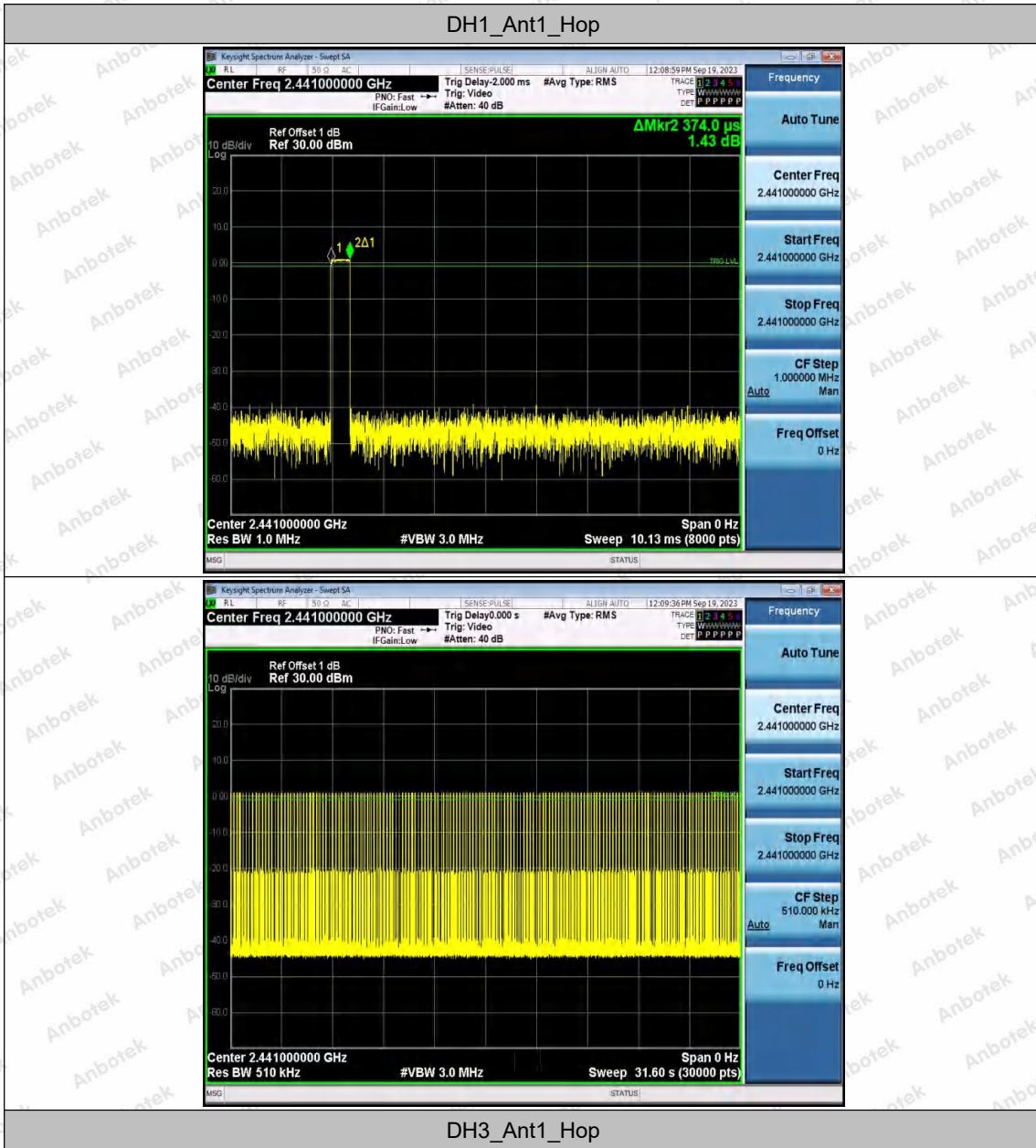
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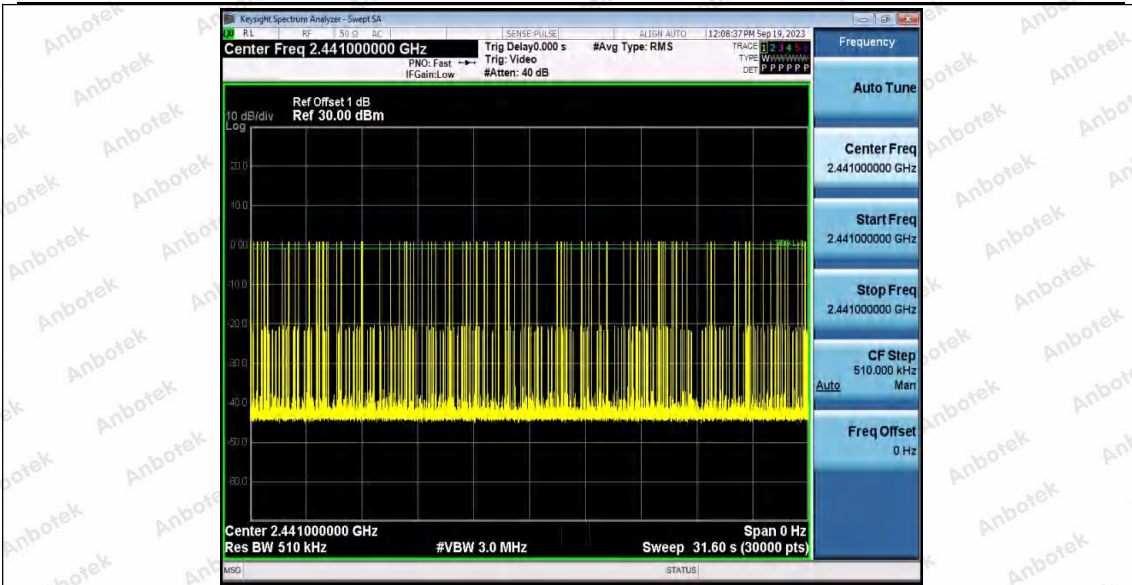


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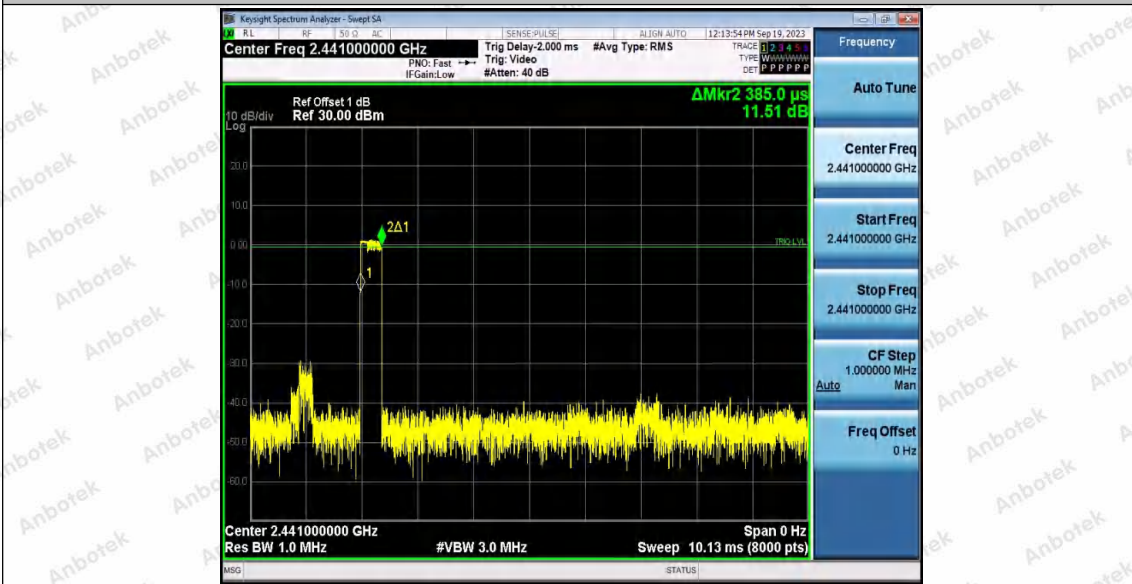
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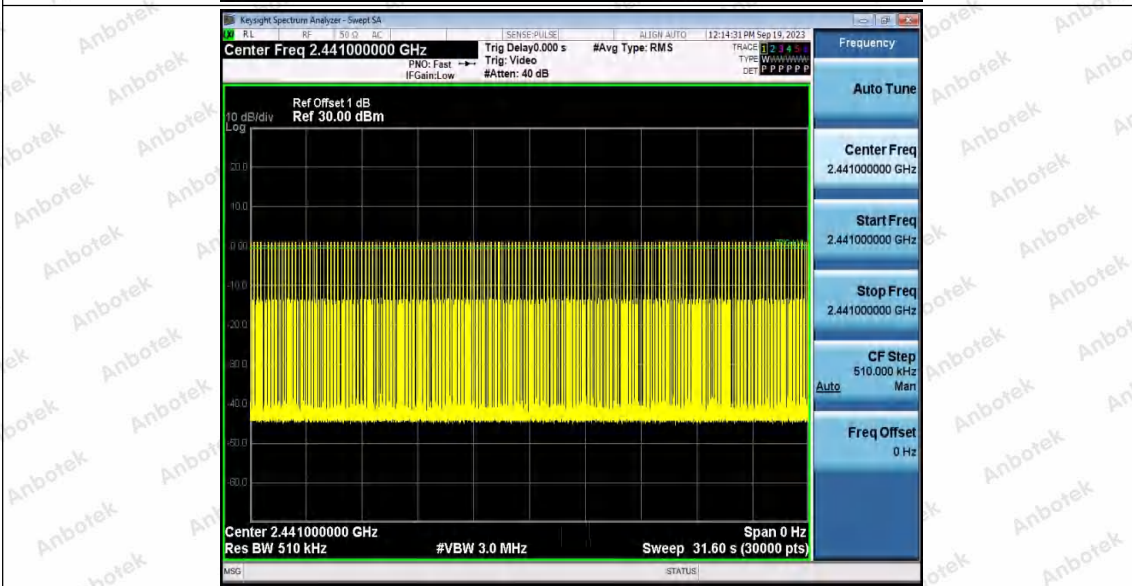




2DH1_Ant1_Hop



2DH3_Ant1_Hop

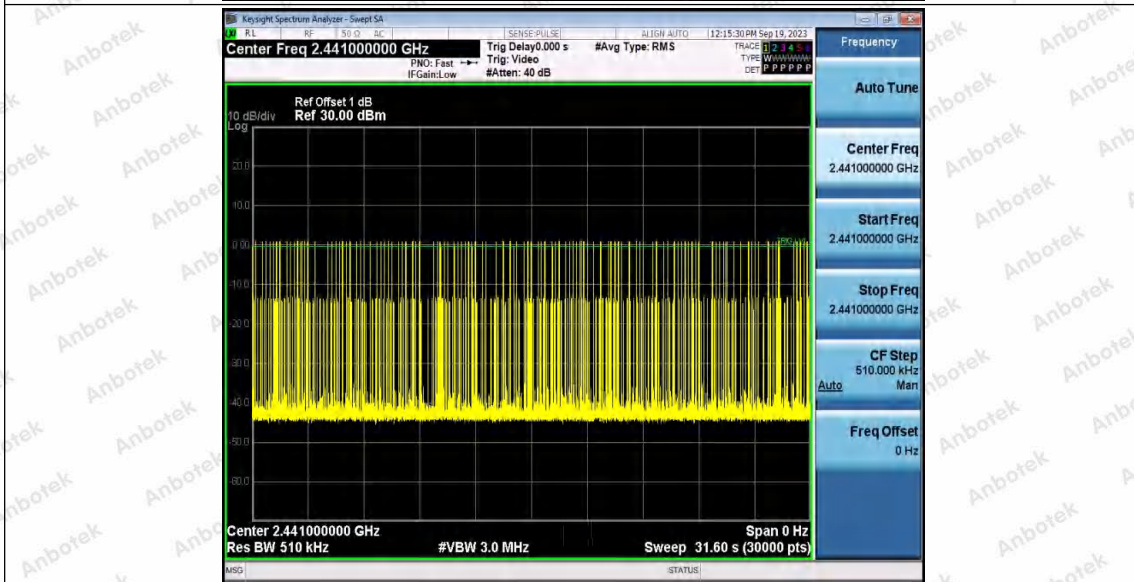
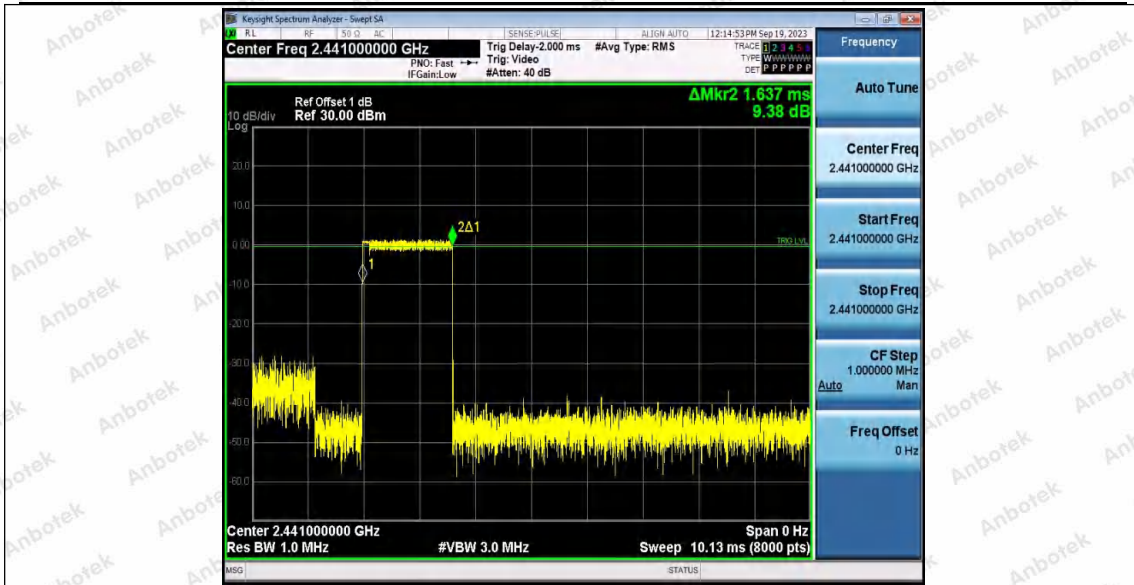


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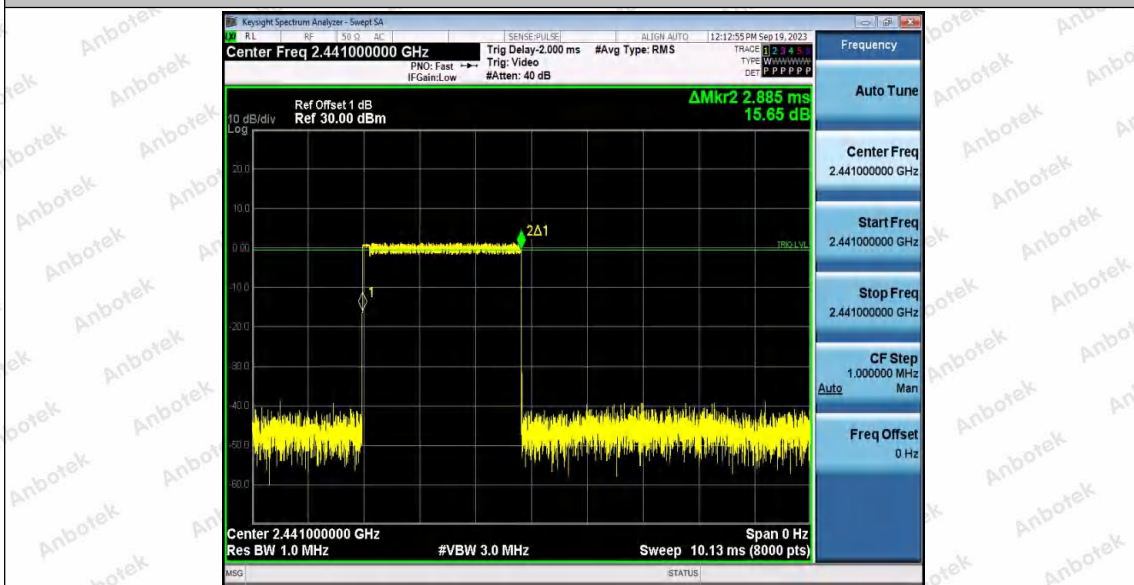
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2DH5_Ant1_Hop

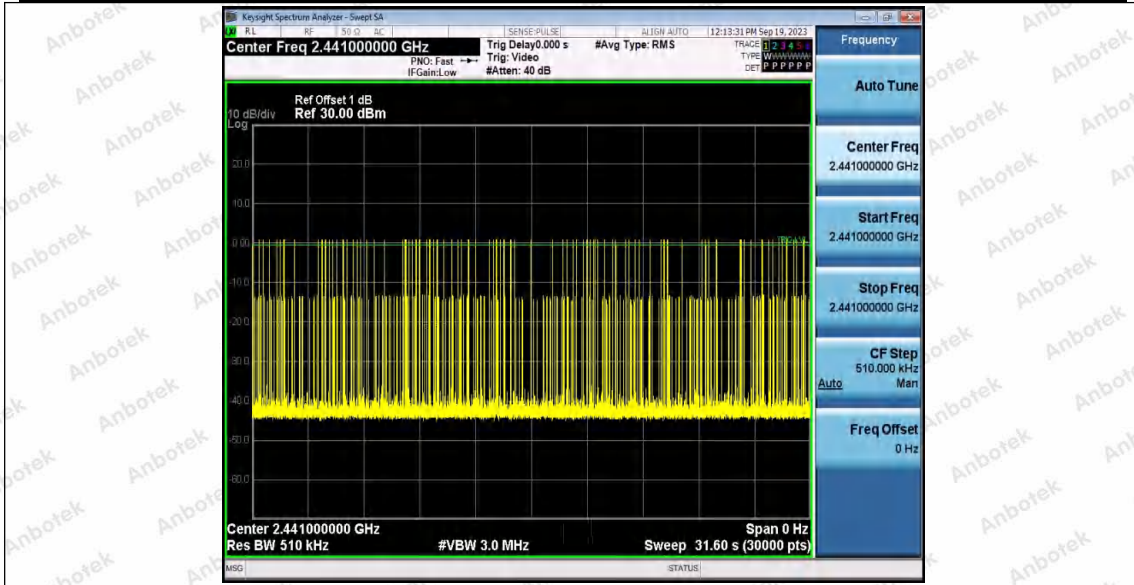


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Appendix F: Number of hopping channels

Test Result

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

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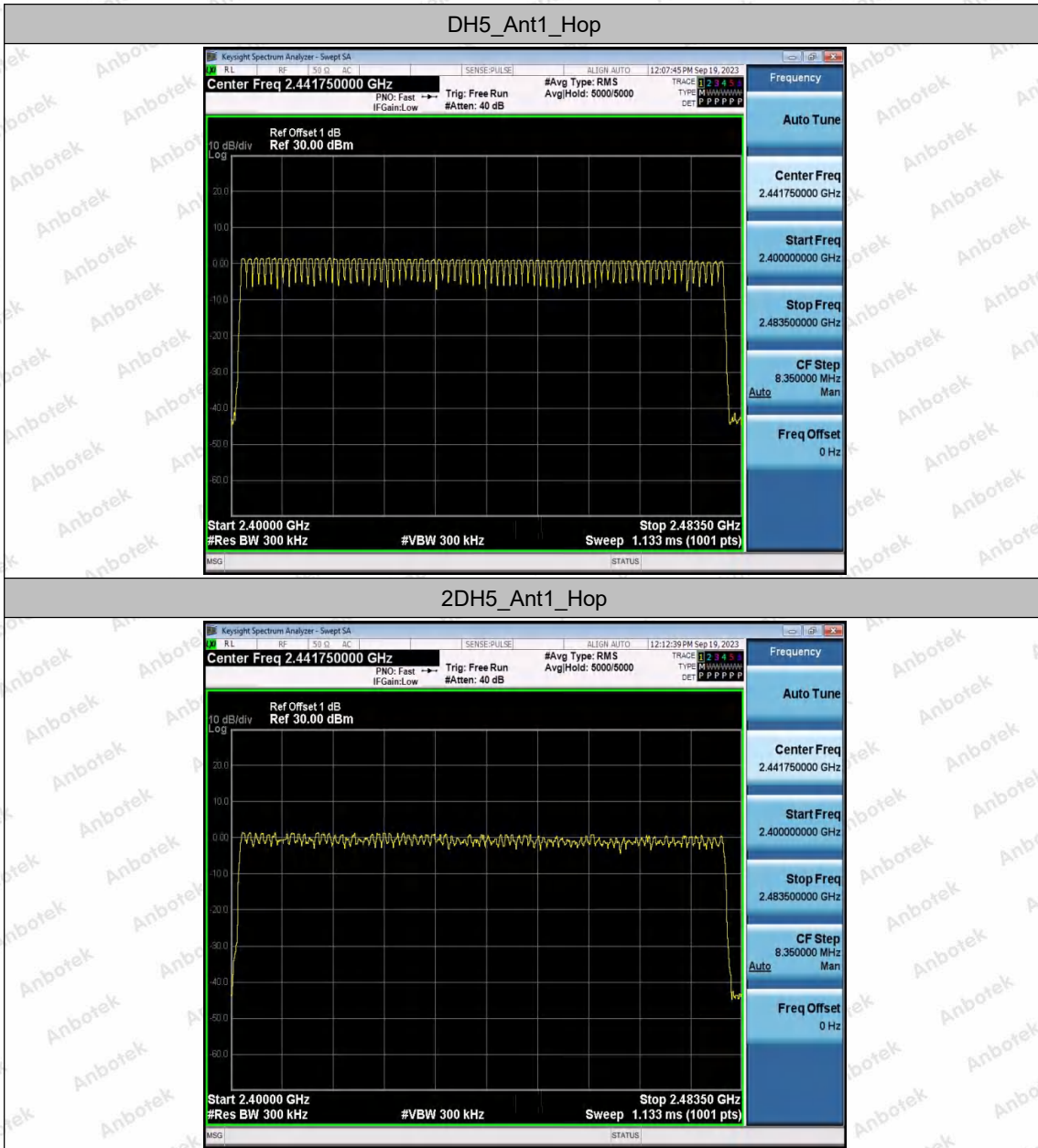
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Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.22	-47.3	≤-18.78	PASS
		High	2480	0.39	-47.19	≤-19.61	PASS
		Low	Hop_2402	0.66	-46.66	≤-19.34	PASS
		High	Hop_2480	0.32	-46.81	≤-19.68	PASS
2DH5	Ant1	Low	2402	-0.10	-47.4	≤-20.1	PASS
		High	2480	-0.80	-48.69	≤-20.8	PASS
		Low	Hop_2402	-2.13	-47.68	≤-22.13	PASS
		High	Hop_2480	-1.83	-50.11	≤-21.83	PASS

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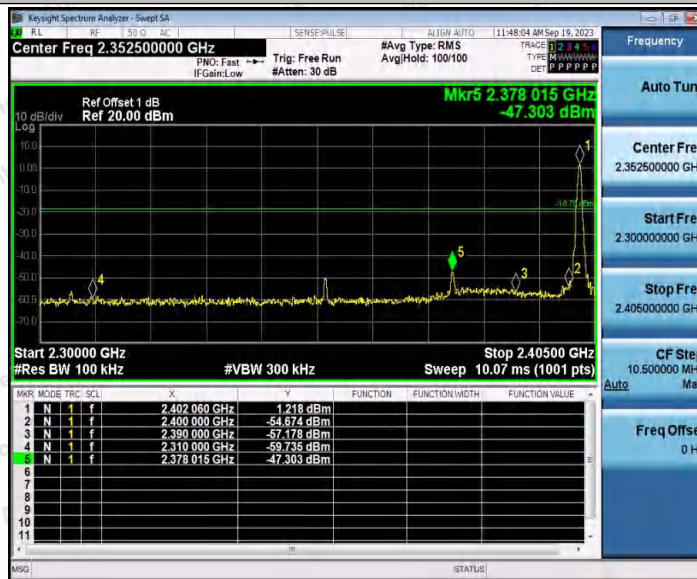


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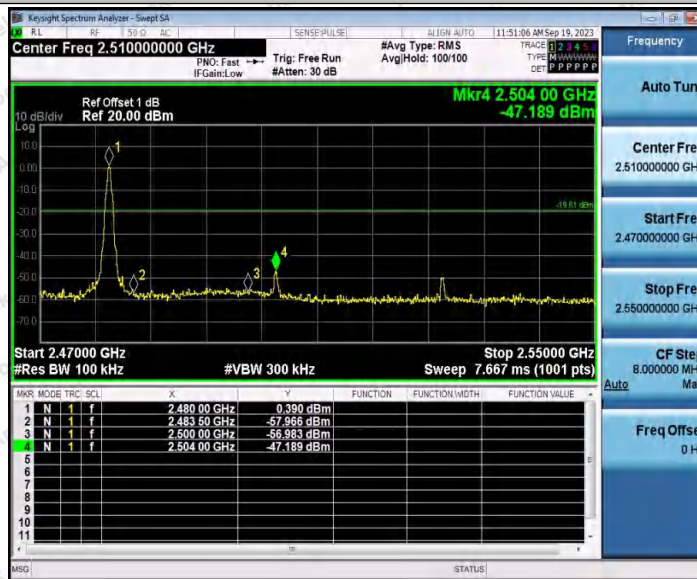


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



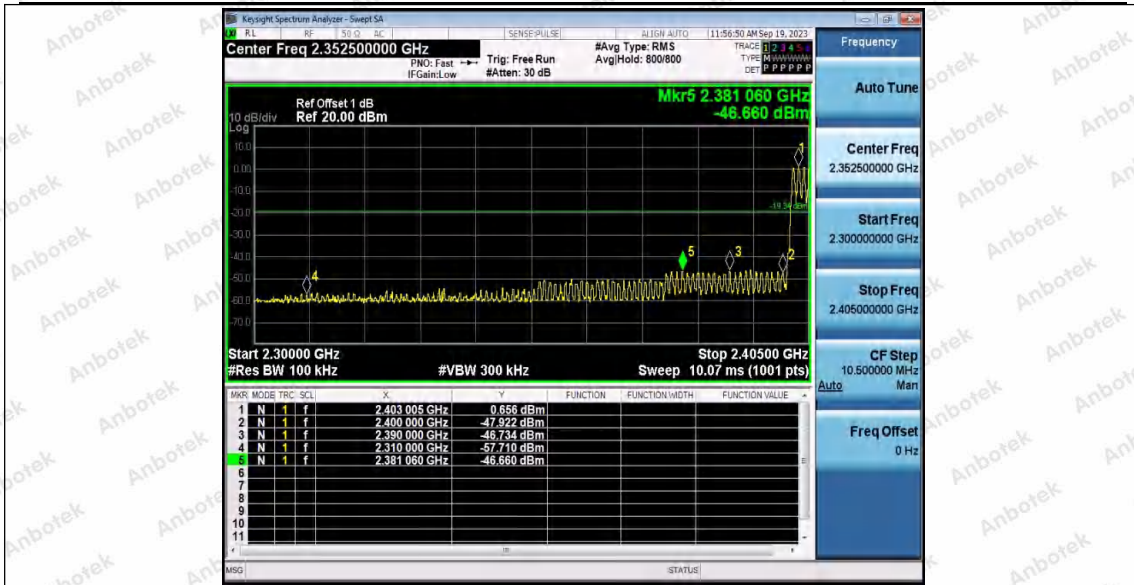
DH5_Ant1_Low_Hop_2402

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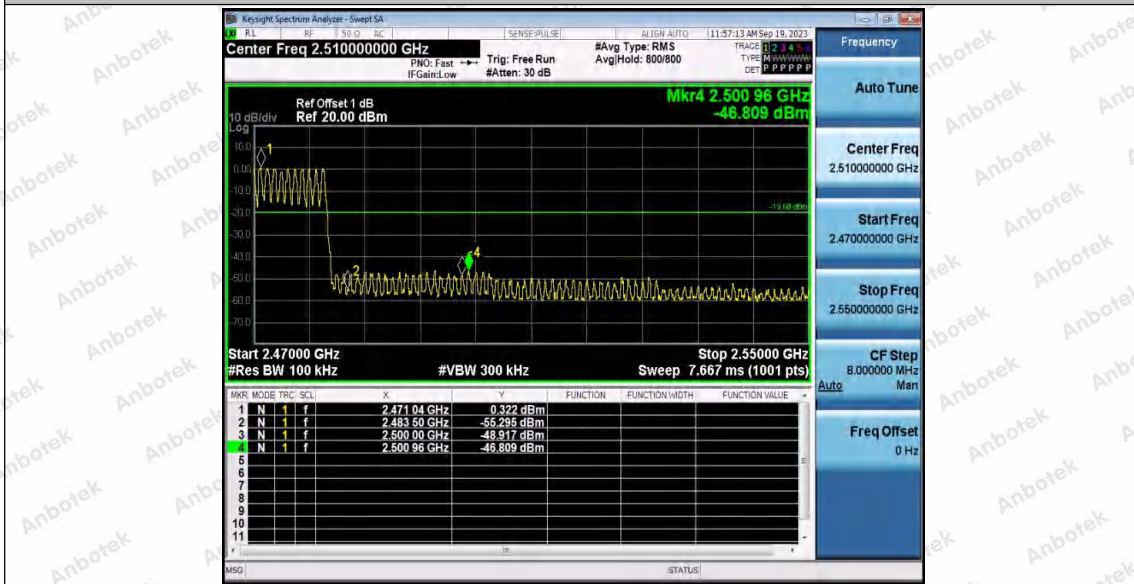
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



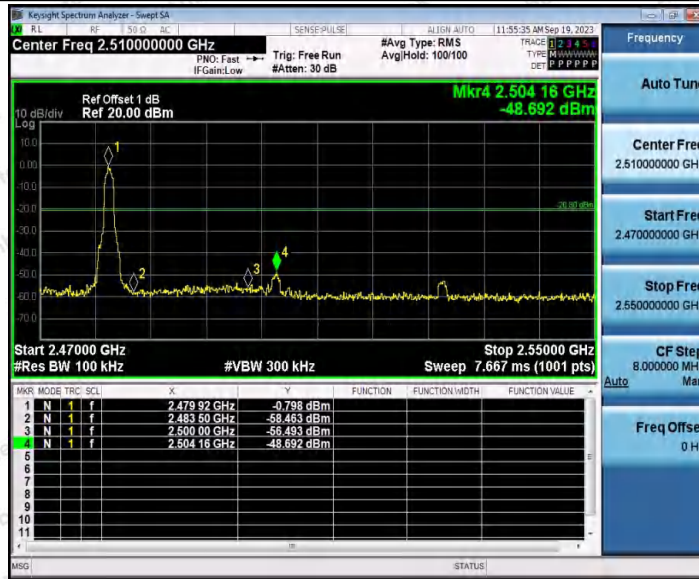
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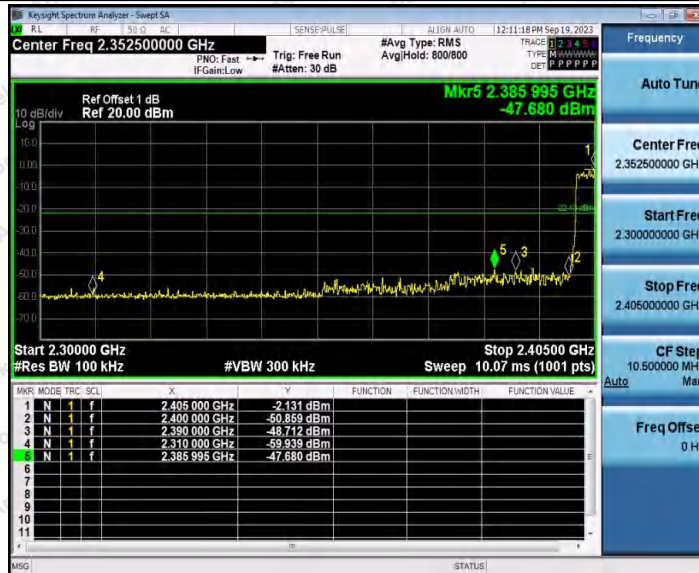
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



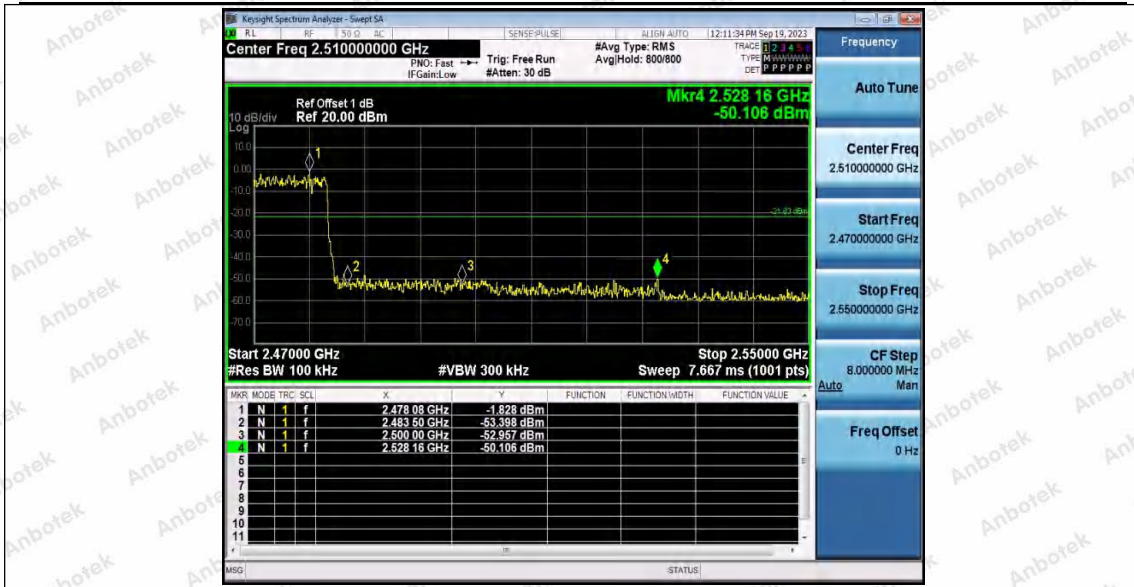
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.60	0.60	---	PASS
			30~1000	0.60	-62.18	≤-19.4	PASS
			1000~26500	0.60	-46.74	≤-19.4	PASS
		2441	Reference	0.14	0.14	---	PASS
			30~1000	0.14	-66.42	≤-19.86	PASS
			1000~26500	0.14	-44.8	≤-19.86	PASS
		2480	Reference	-0.32	-0.32	---	PASS
			30~1000	-0.32	-64.09	≤-20.32	PASS
			1000~26500	-0.32	-42.81	≤-20.32	PASS
2DH5	Ant1	2402	Reference	-1.37	-1.37	---	PASS
			30~1000	-1.37	-63.04	≤-21.37	PASS
			1000~26500	-1.37	-51.43	≤-21.37	PASS
		2441	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-65.6	≤-20.59	PASS
			1000~26500	-0.59	-47.39	≤-20.59	PASS
		2480	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-63.14	≤-20.26	PASS
			1000~26500	-0.26	-45.34	≤-20.26	PASS

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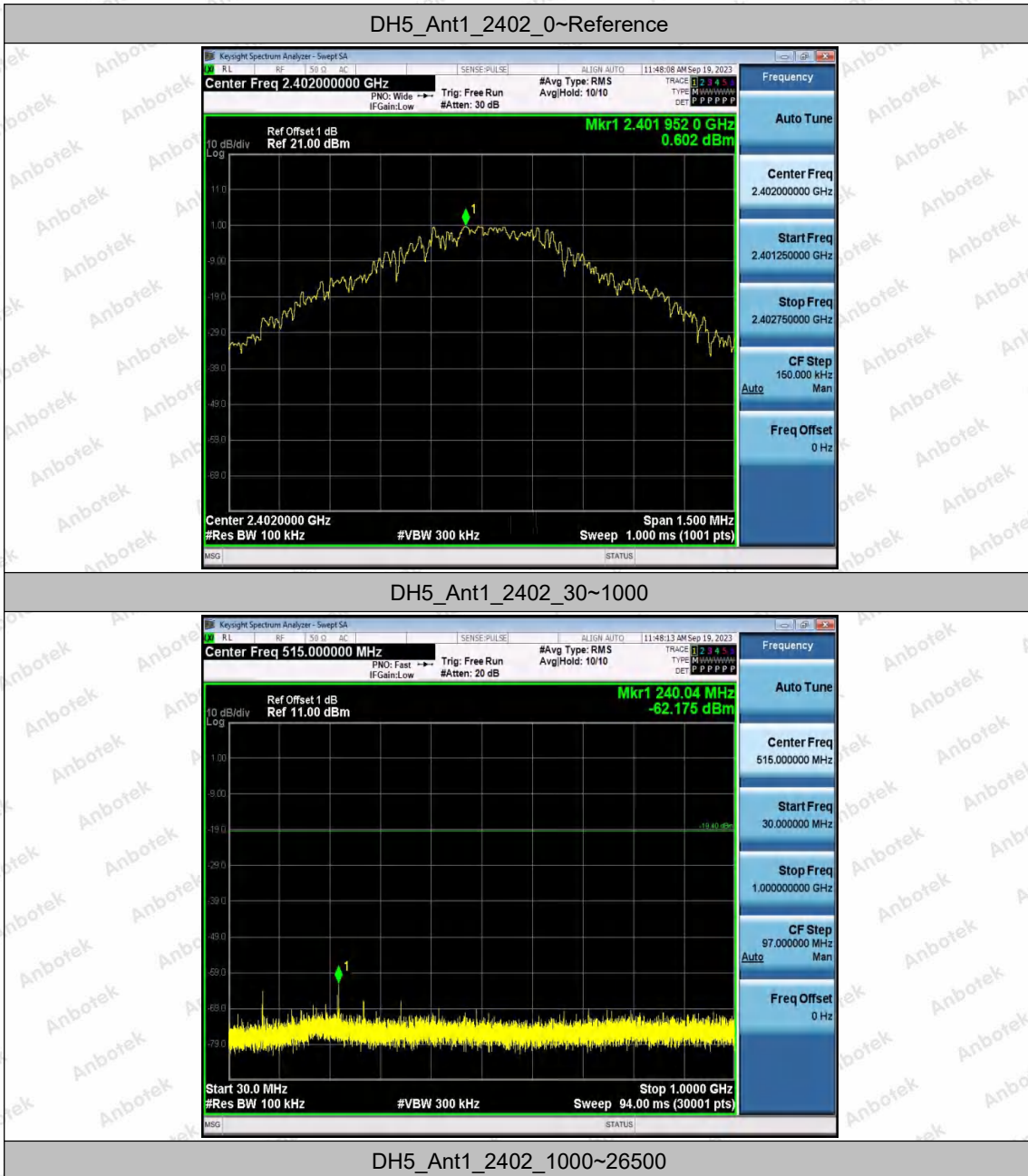
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Test Graphs

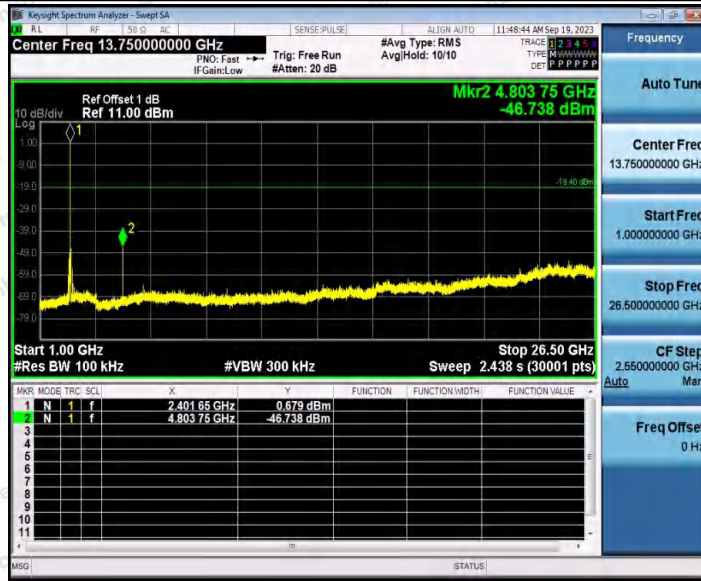


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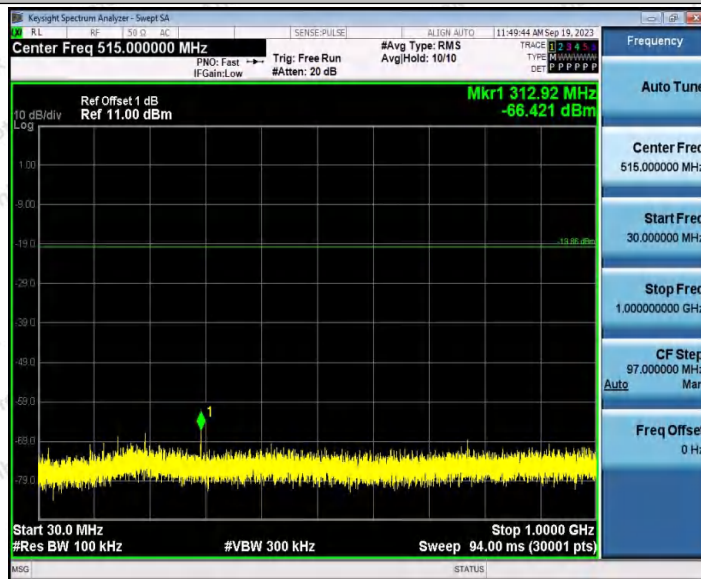




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



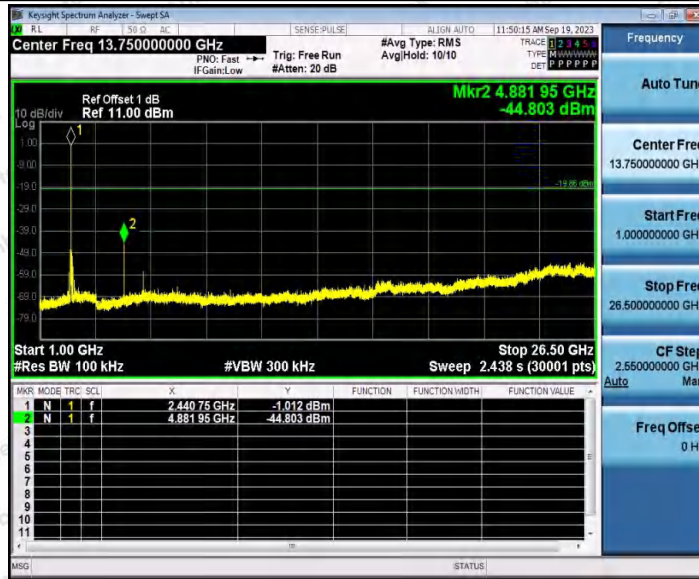
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



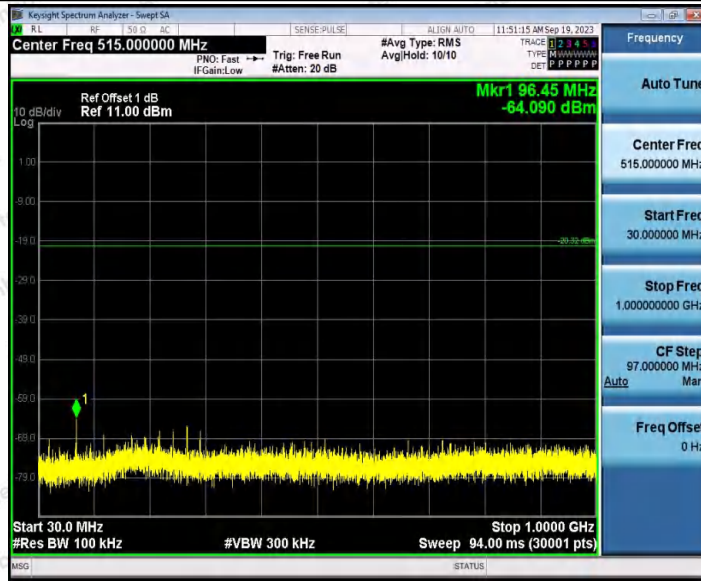
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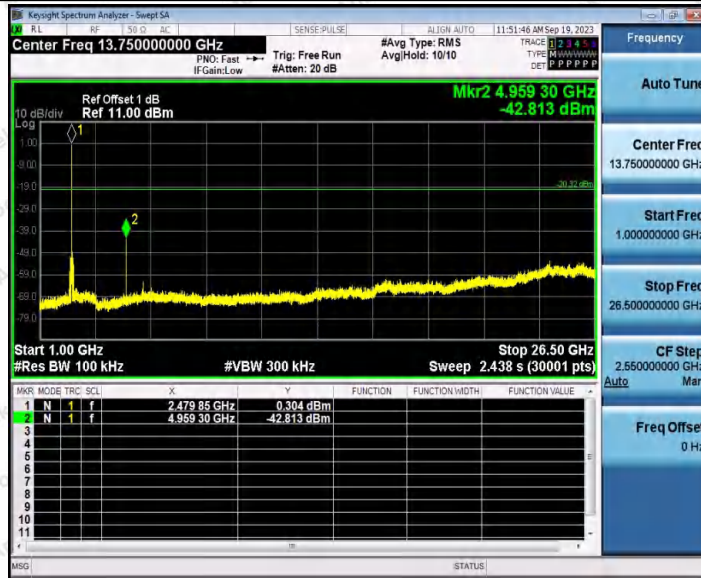
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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

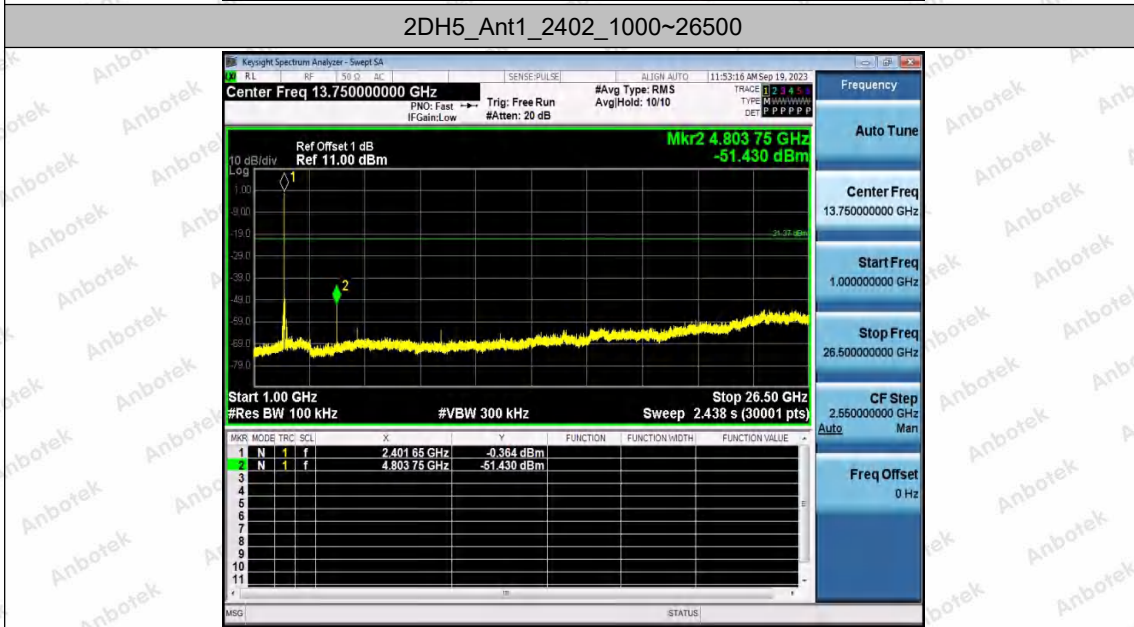
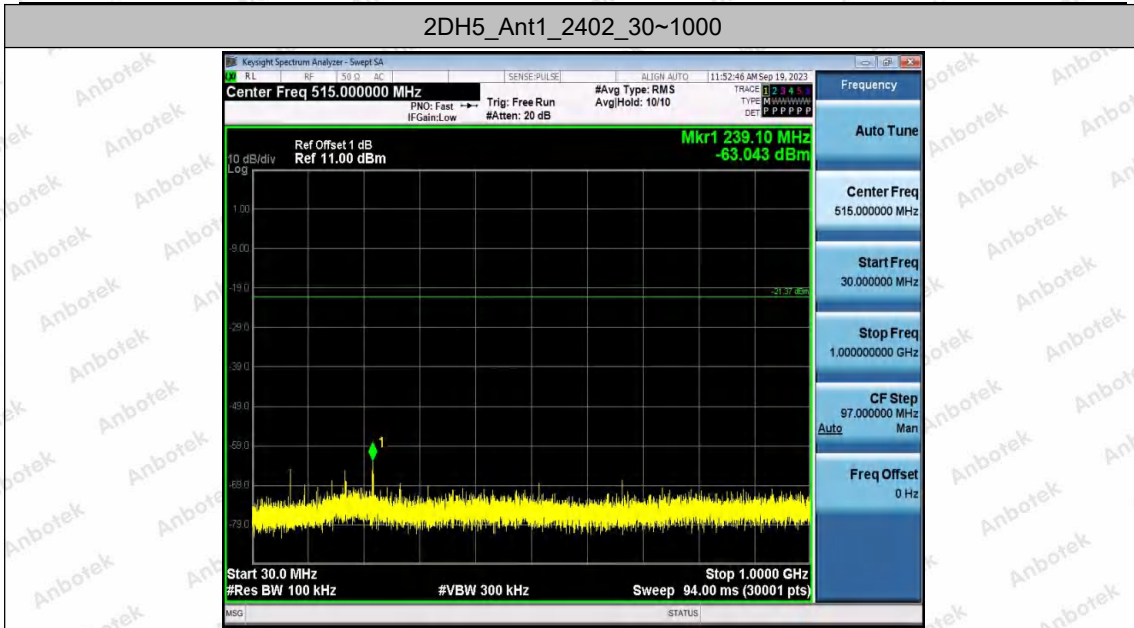


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2DH5_Ant1_2441_0~Reference

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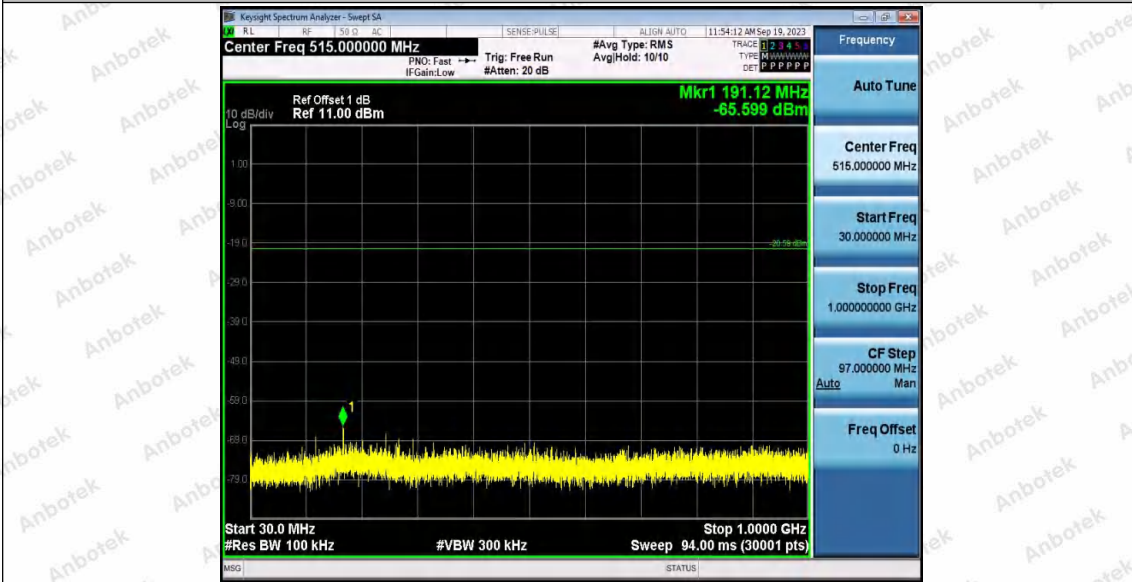
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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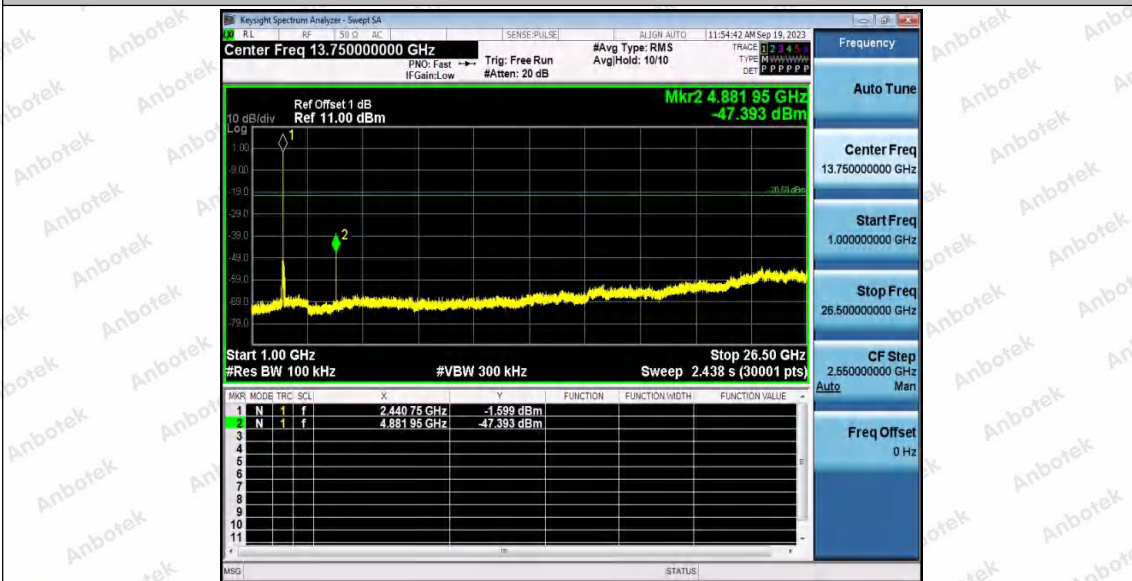




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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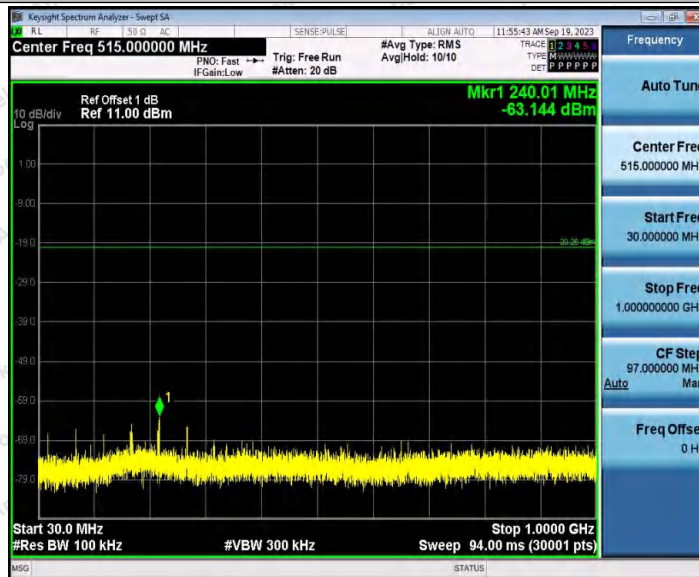
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



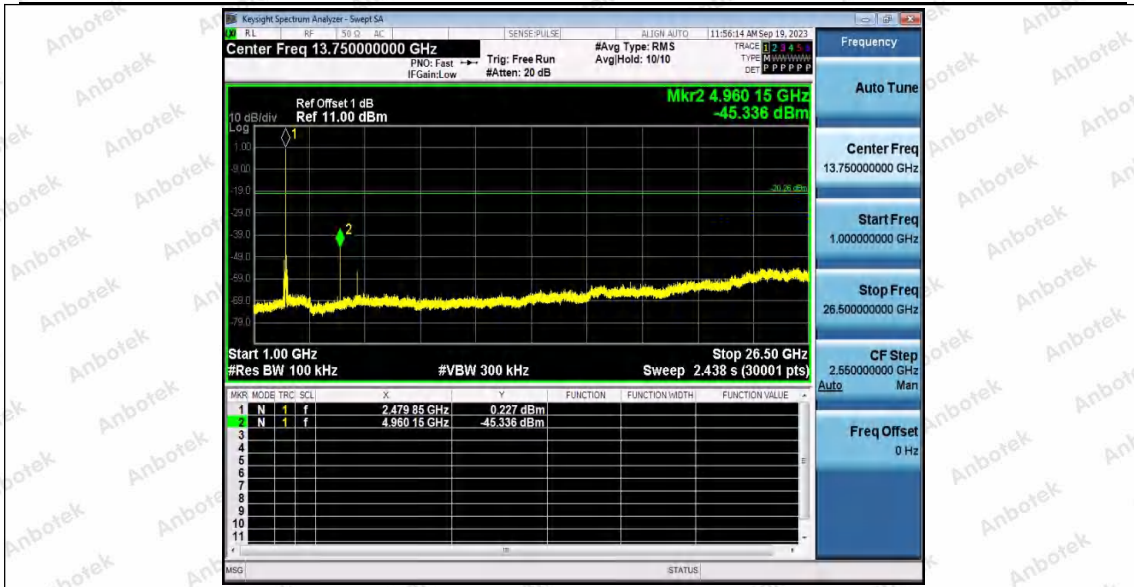
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.74	77.01	1.13
		2441	2.88	3.75	76.80	1.15
		2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
		2441	2.89	3.75	77.07	1.13
		2480	2.89	3.75	77.07	1.13

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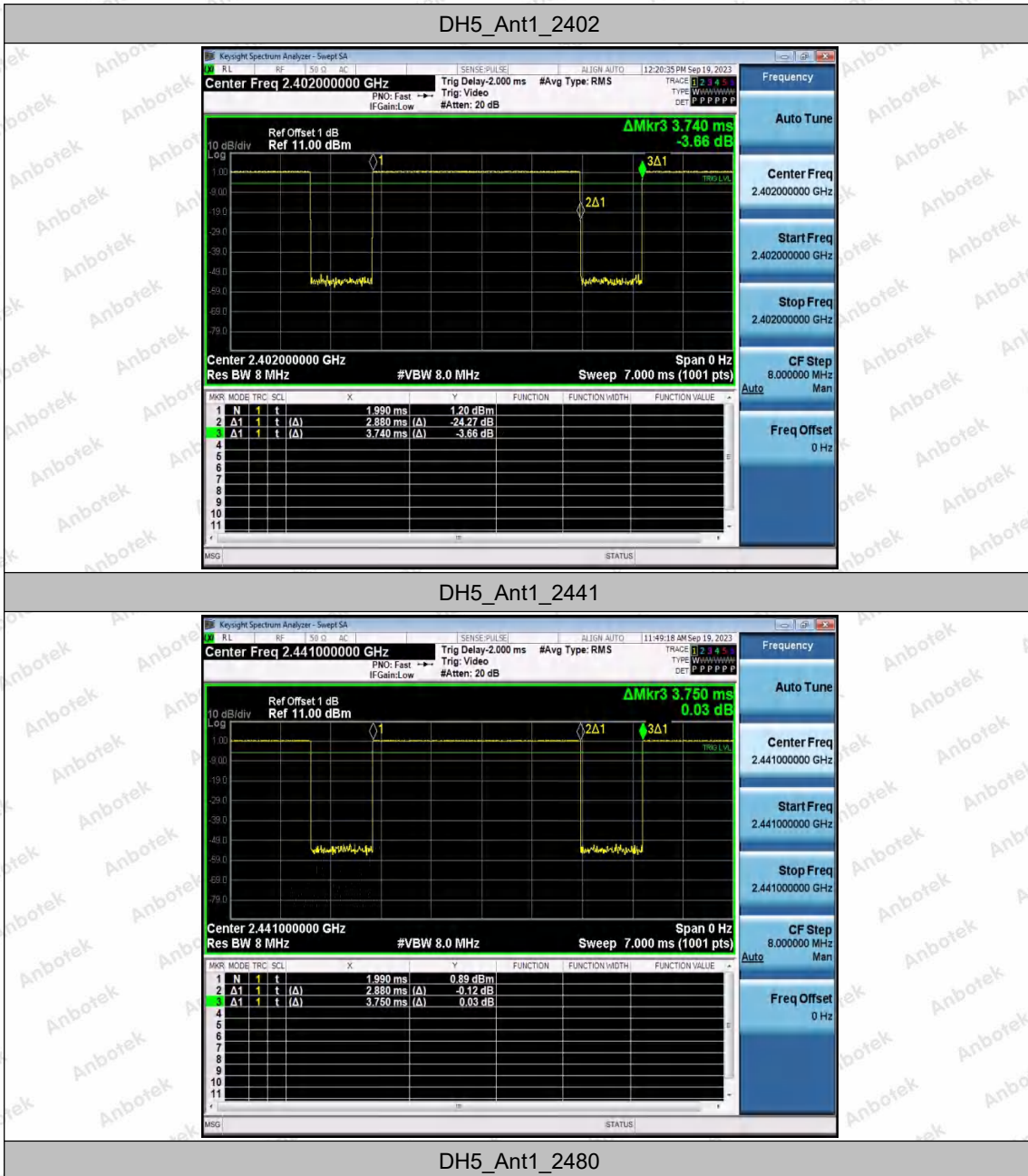
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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Test Graphs

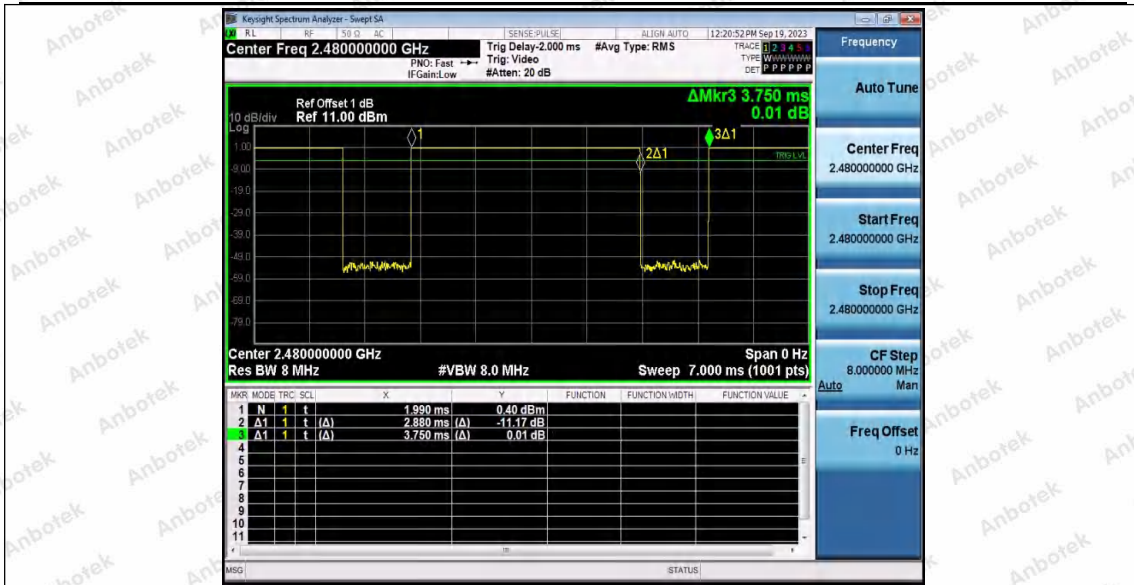


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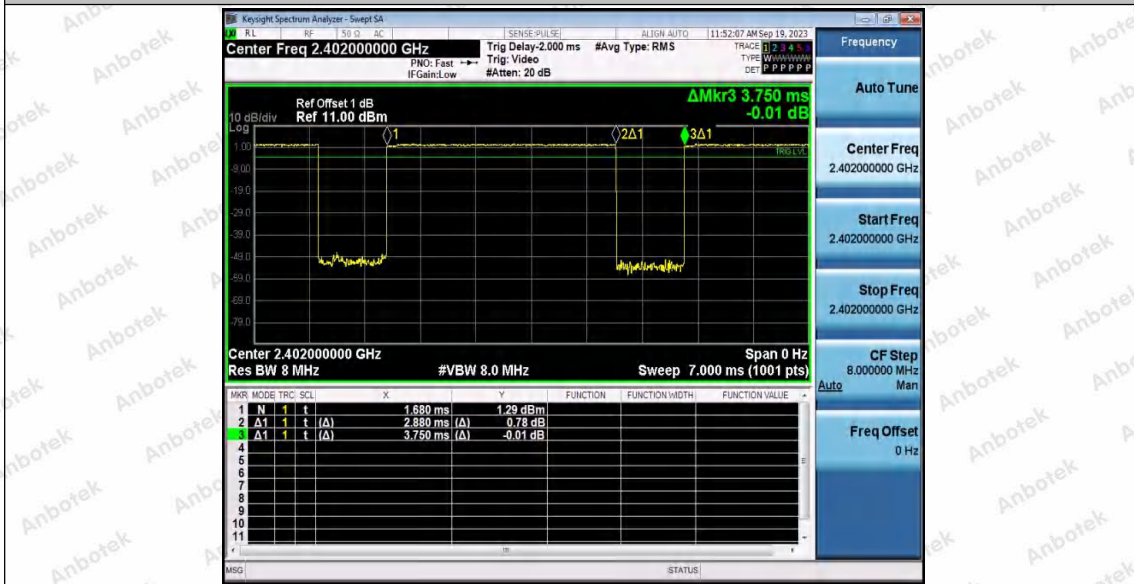
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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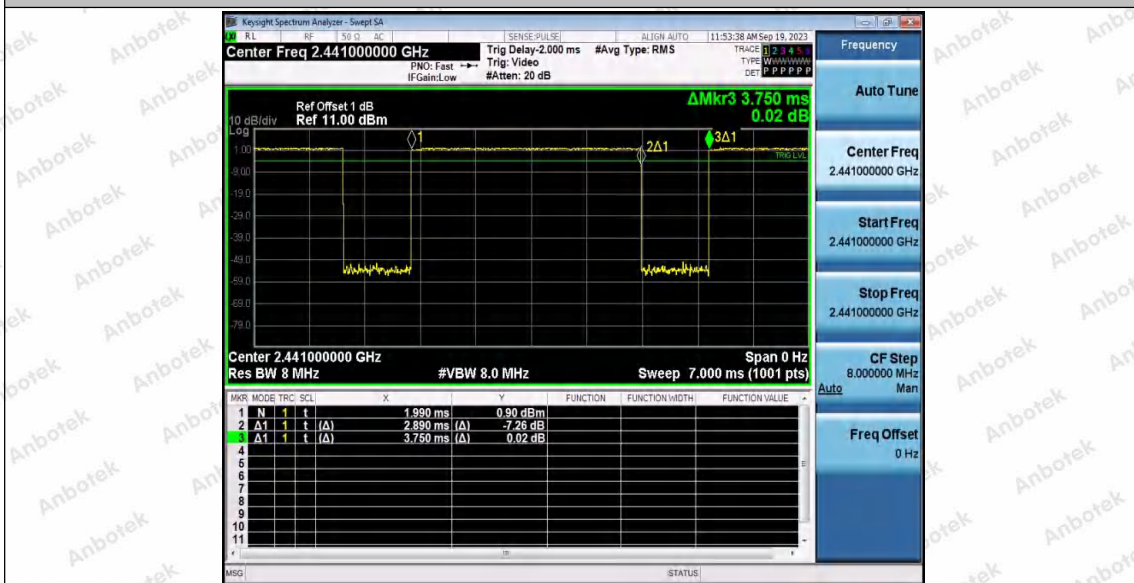




2DH5_Ant1_2402



2DH5_Ant1_2441

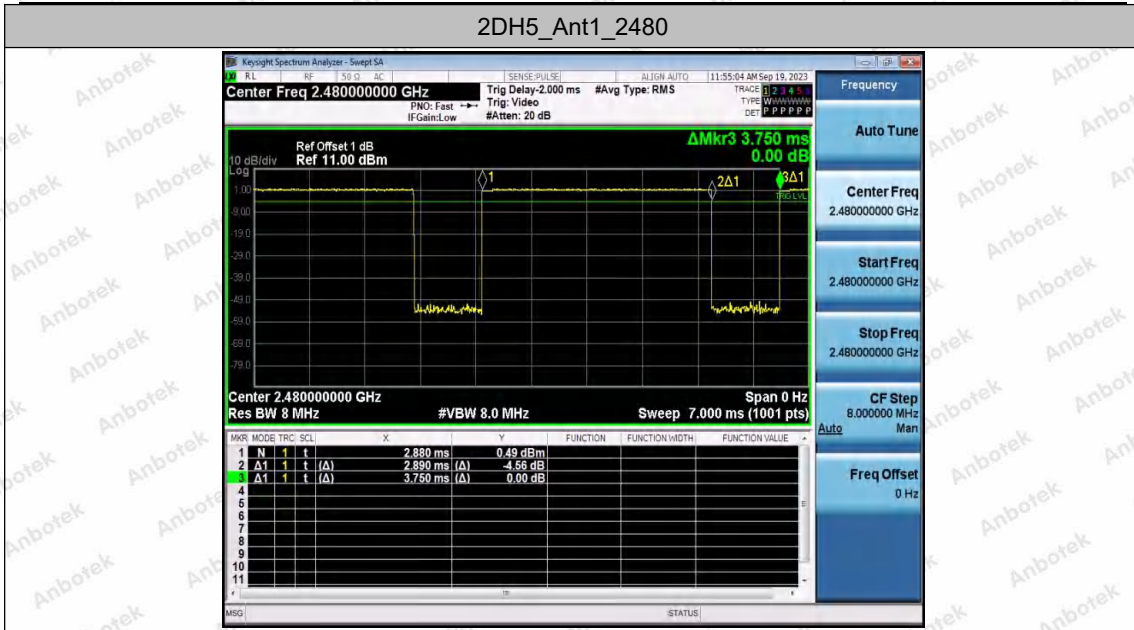


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