

Appendix Test Data

Report No.:	18220WC30232201	Test Sample No.:	1-2-2
Start Test Date:	2023.11.07	Finish Test Date:	2023.11.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.3°C	Relative Humidity:	51%
Pressure:	101kPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.535	2402.474	---	---
		2441	0.960	2440.526	2441.486	---	---
		2480	0.948	2479.529	2480.477	---	---
2DH5	Ant1	2402	1.281	2401.361	2402.642	---	---
		2441	1.359	2440.316	2441.675	---	---
		2480	1.311	2479.331	2480.642	---	---



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441

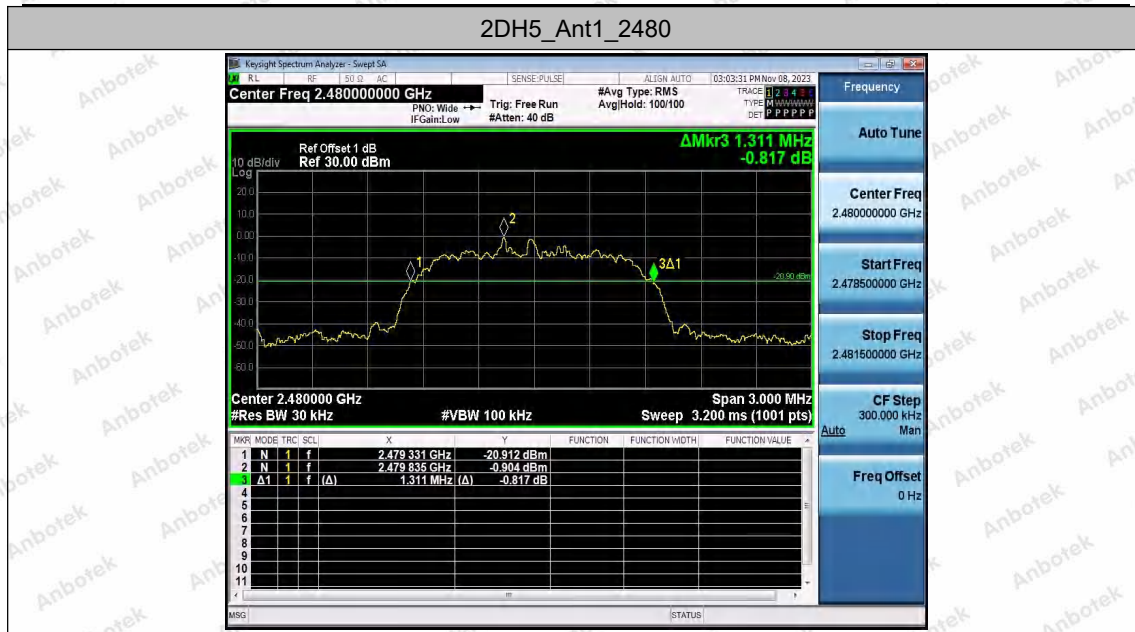


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85739	2401.5596	2402.4170	---	---
		2441	0.86210	2440.5557	2441.4178	---	---
		2480	0.85729	2479.5624	2480.4197	---	---
2DH5	Ant1	2402	1.1795	2401.4002	2402.5797	---	---
		2441	1.1796	2440.4011	2441.5807	---	---
		2480	1.1829	2479.3969	2480.5798	---	---



Test Graphs



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2DH5_Ant1_2402



2DH5_Ant1_2441



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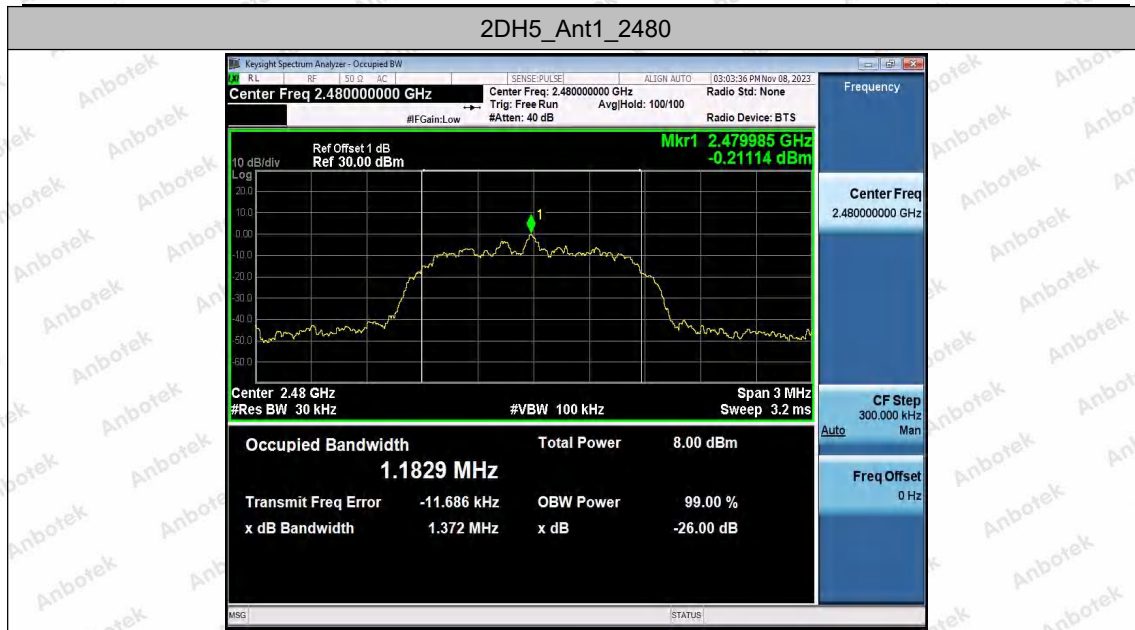


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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.67	≤20.97	PASS
		2441	1.55	≤20.97	PASS
		2480	1.82	≤20.97	PASS
2DH5	Ant1	2402	1.45	≤20.97	PASS
		2441	2.28	≤20.97	PASS
		2480	2.54	≤20.97	PASS



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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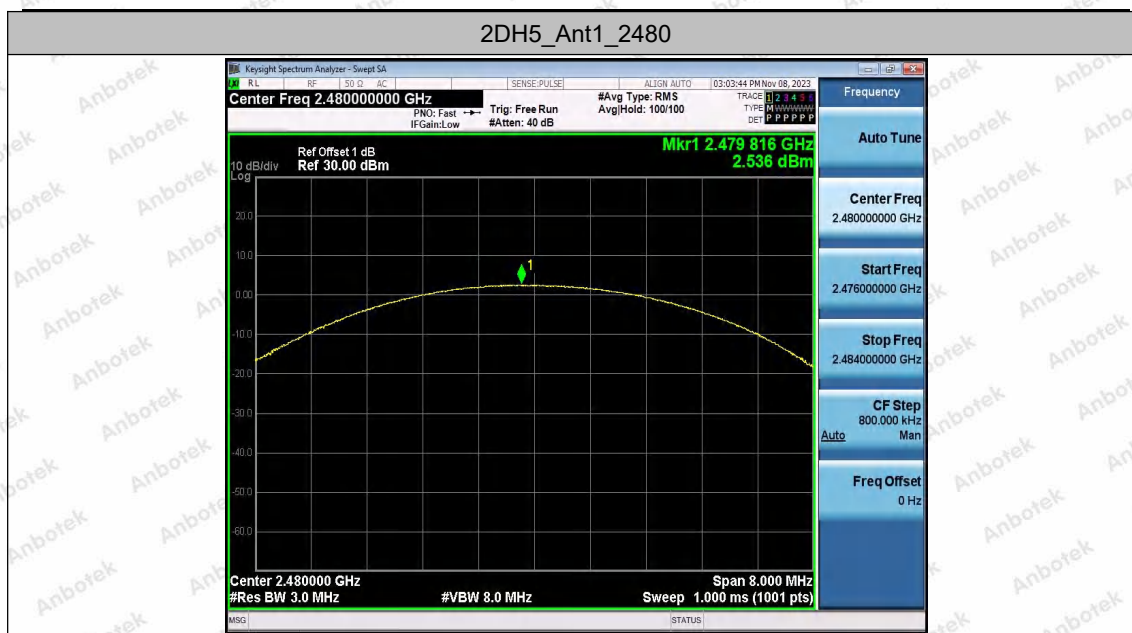


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.014	≥0.960	PASS
2DH5	Ant1	Hop	0.960	≥0.906	PASS

Test Graphs



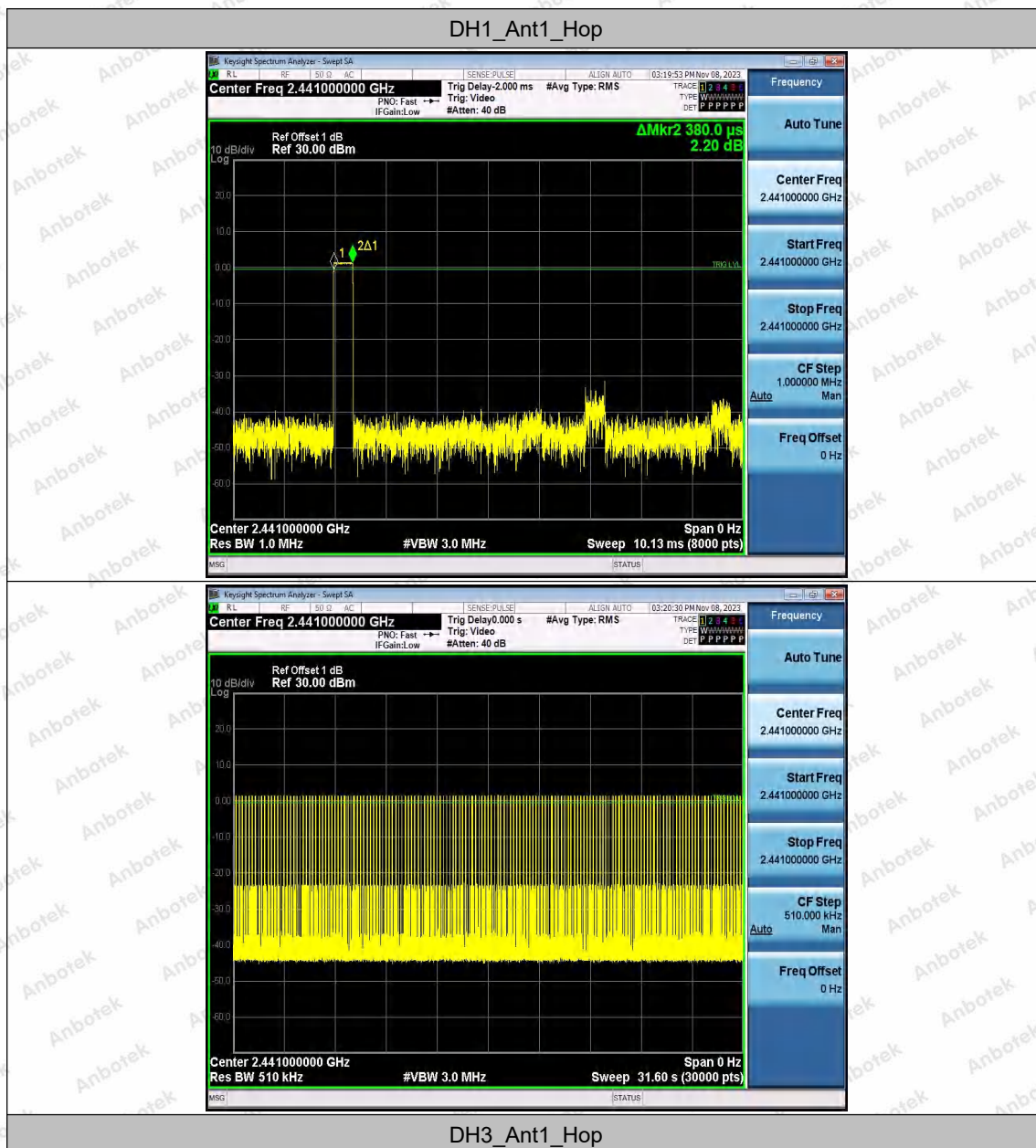
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	318	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.884	103	0.297	≤0.4	PASS
2DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.643	157	0.258	≤0.4	PASS
2DH5	Ant1	Hop	2.891	104	0.301	≤0.4	PASS



Test Graphs



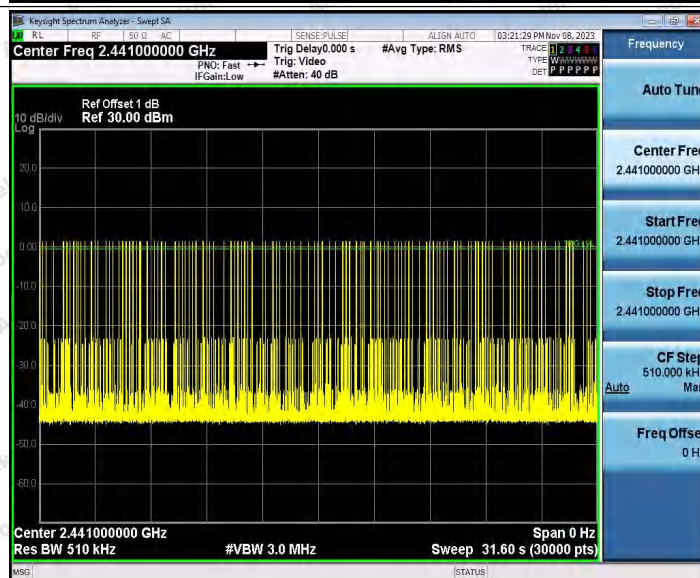
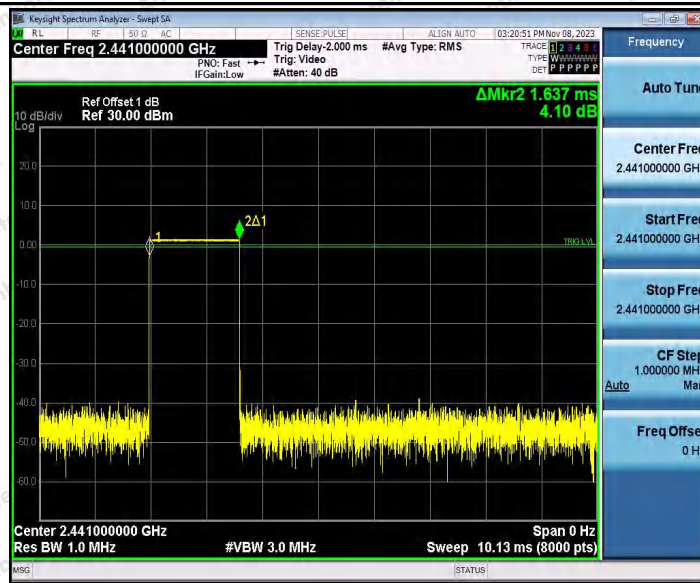
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DH5_Ant1_Hop



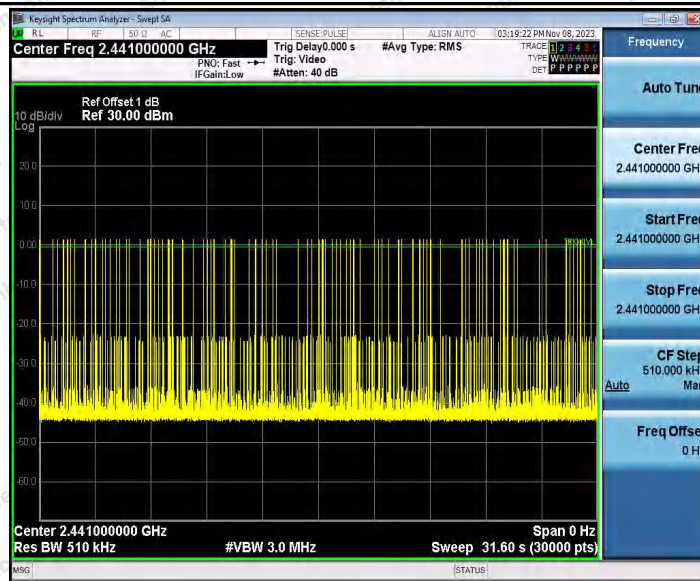
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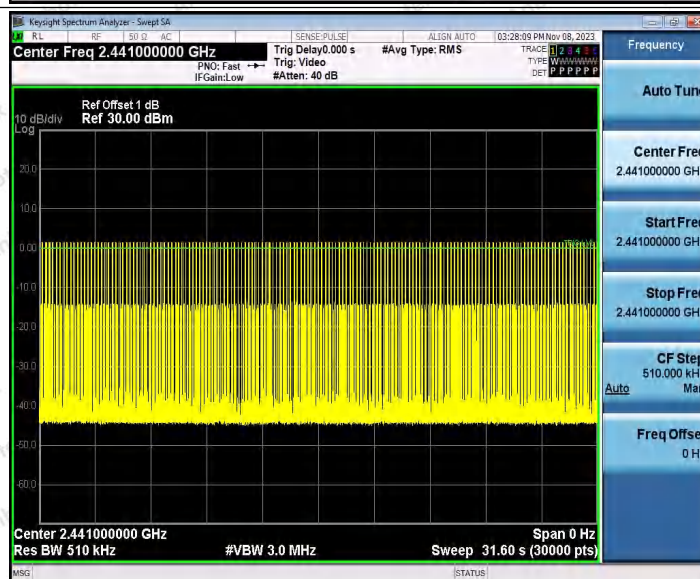
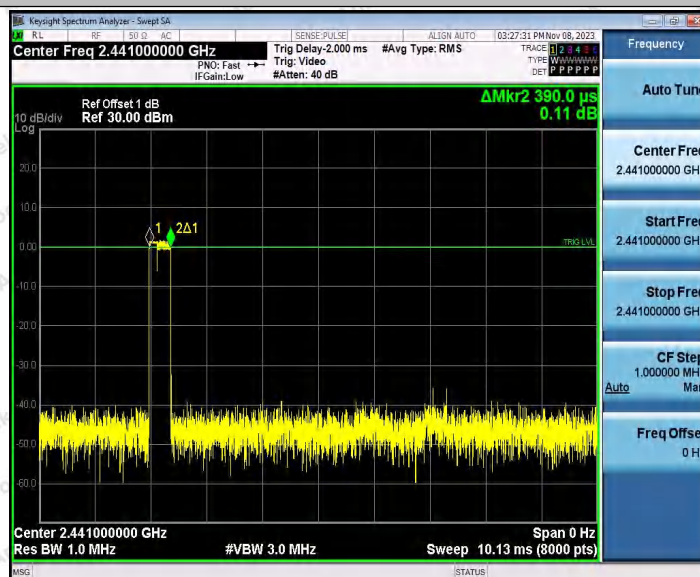


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2DH1_Ant1_Hop



2DH3_Ant1_Hop

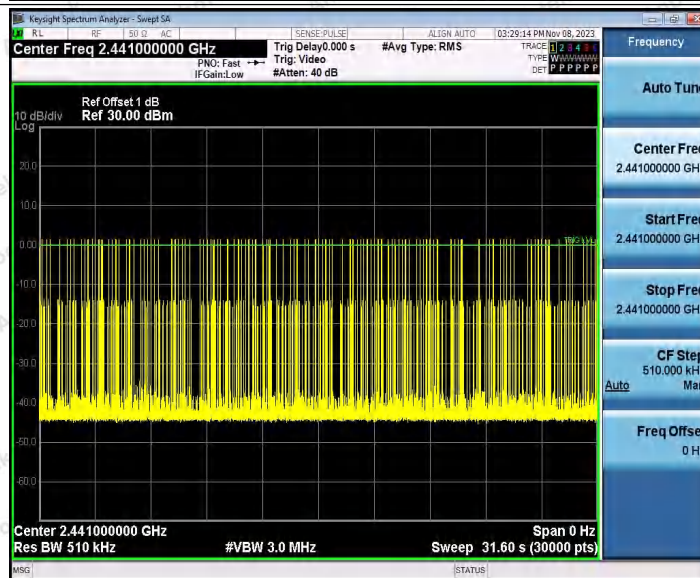
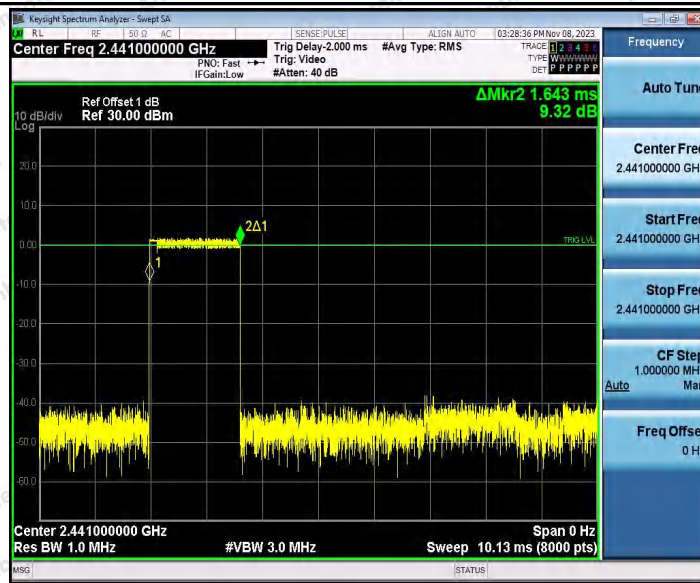
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2DH5_Ant1_Hop



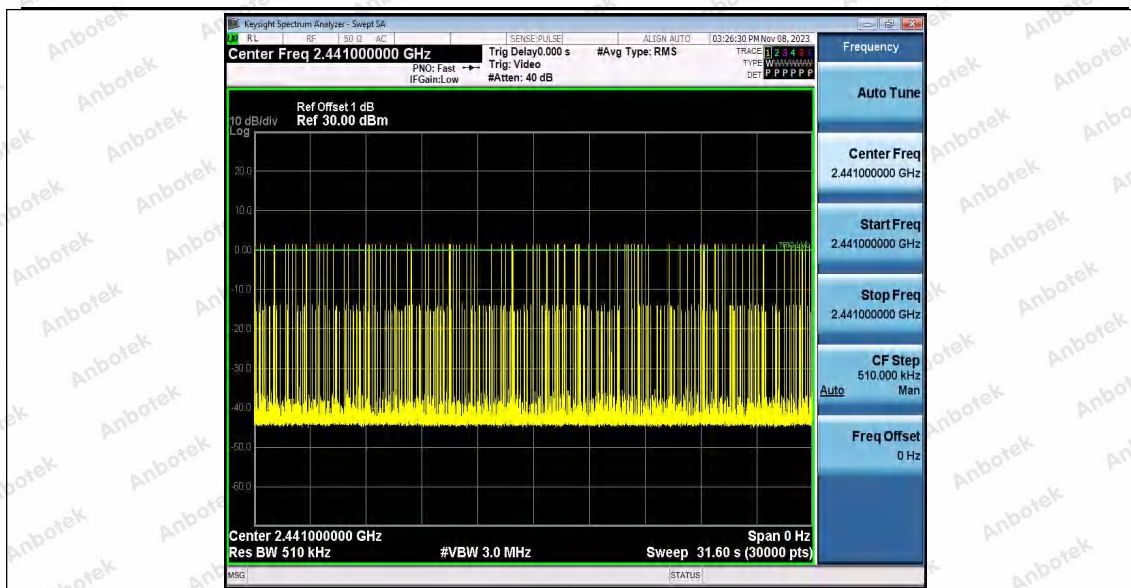
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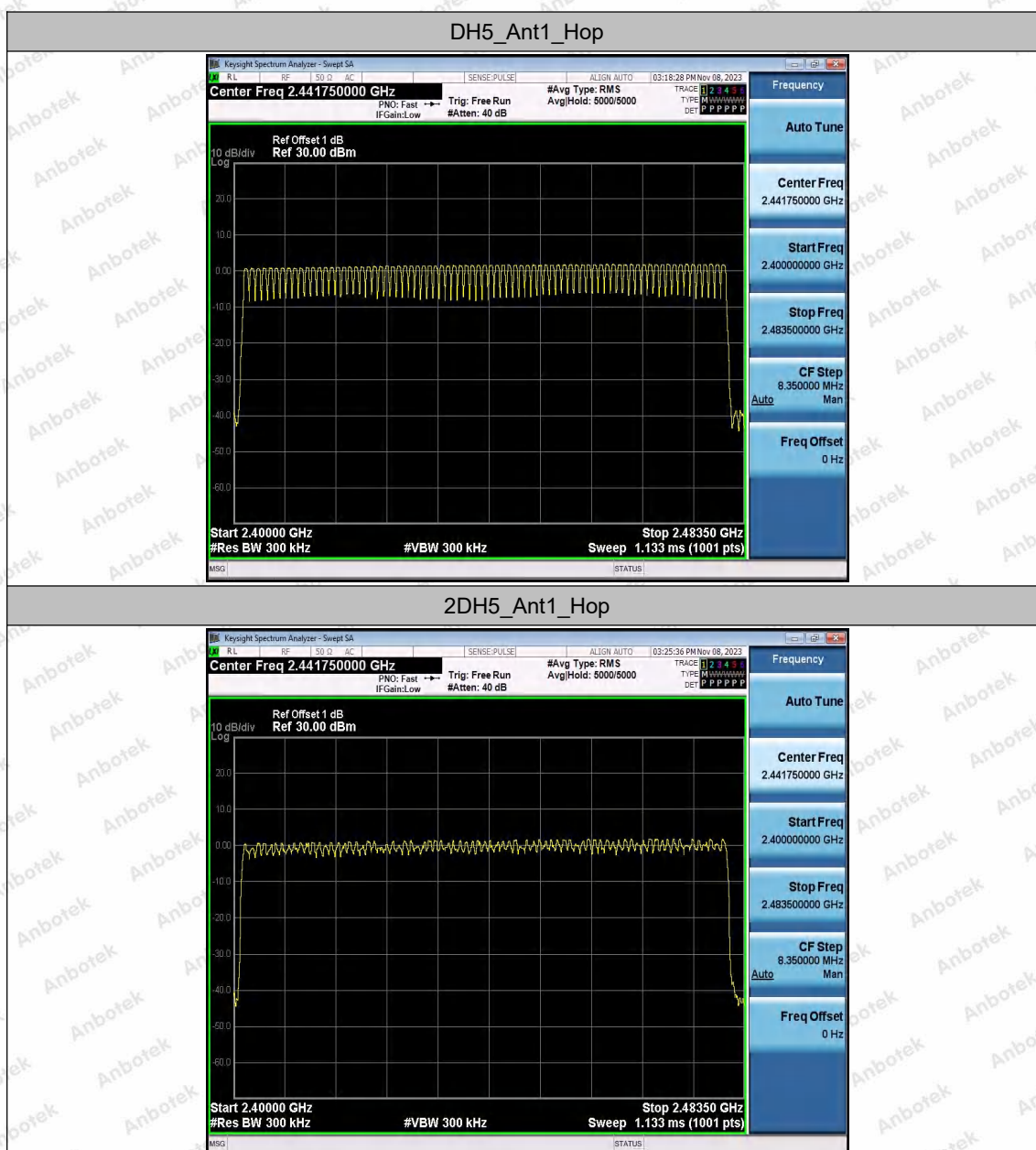


Appendix F: Number of hopping channels

Test Result

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

Test Graphs



Appendix G: Band edge measurements

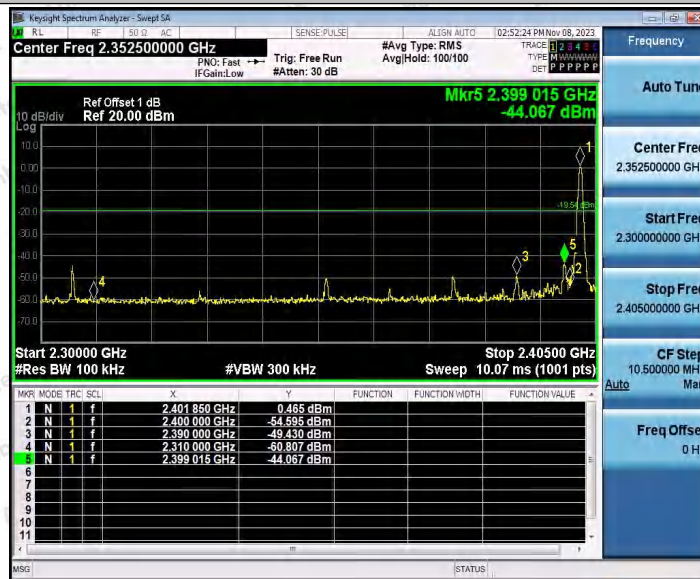
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.47	-44.07	≤-19.54	PASS
		High	2480	1.43	-48.13	≤-18.57	PASS
		Low	Hop_2402	-0.01	-42.44	≤-20.01	PASS
		High	Hop_2480	1.57	-41.04	≤-18.43	PASS
2DH5	Ant1	Low	2402	0.47	-43.51	≤-19.53	PASS
		High	2480	1.63	-41.56	≤-18.38	PASS
		Low	Hop_2402	0.58	-43.07	≤-19.42	PASS
		High	Hop_2480	1.75	-44.97	≤-18.25	PASS

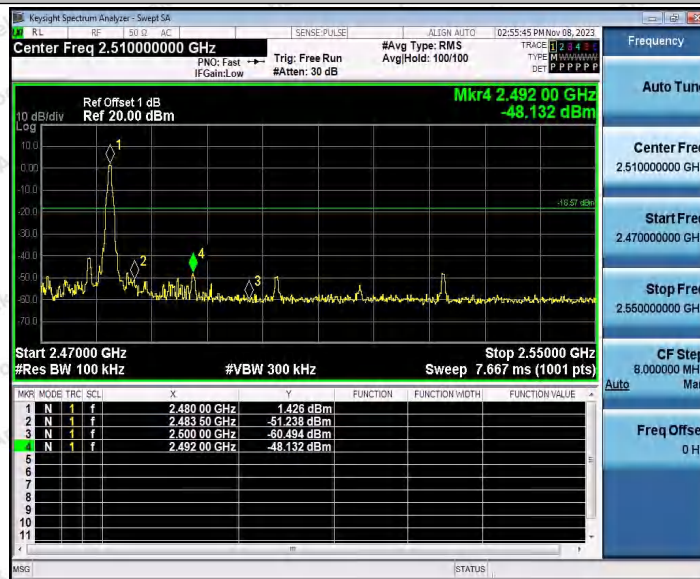


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

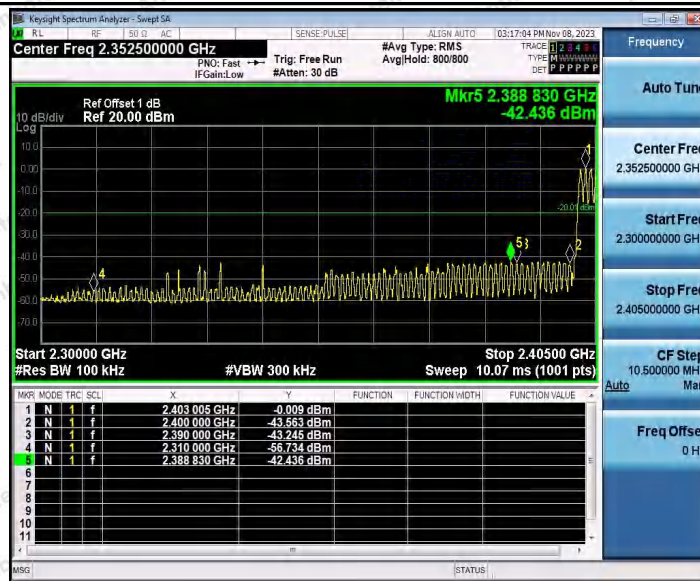
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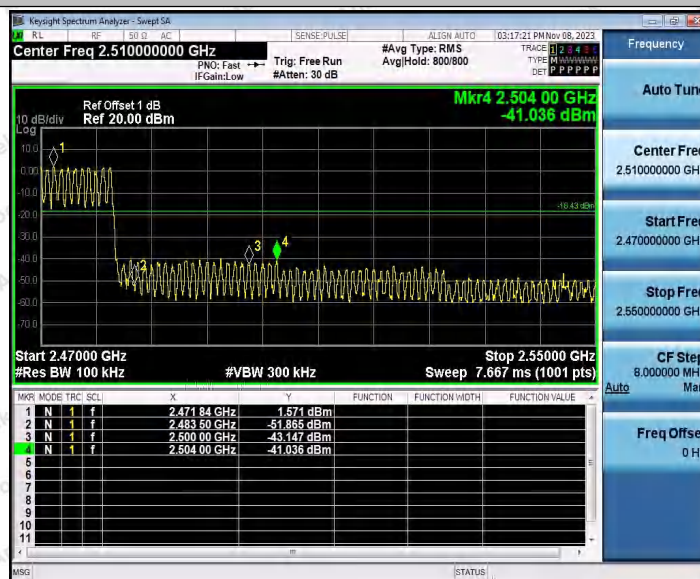


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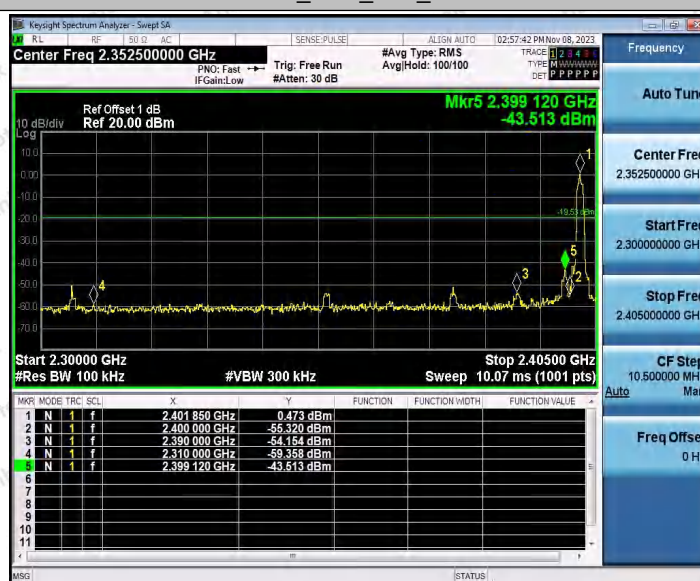




DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



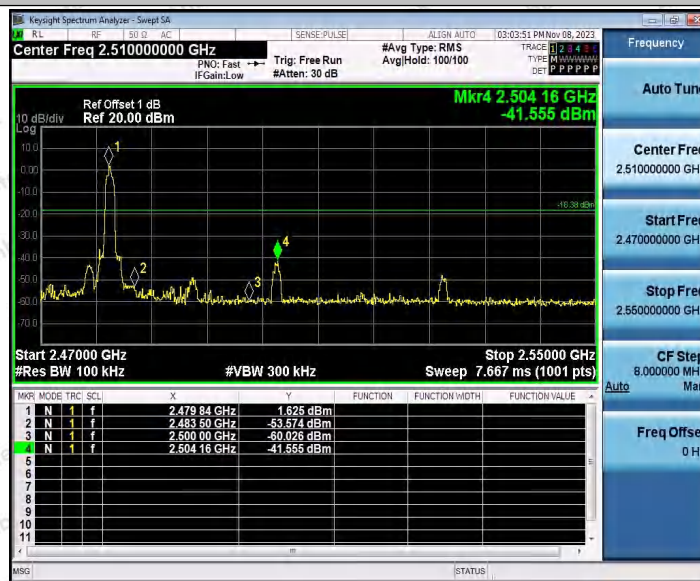
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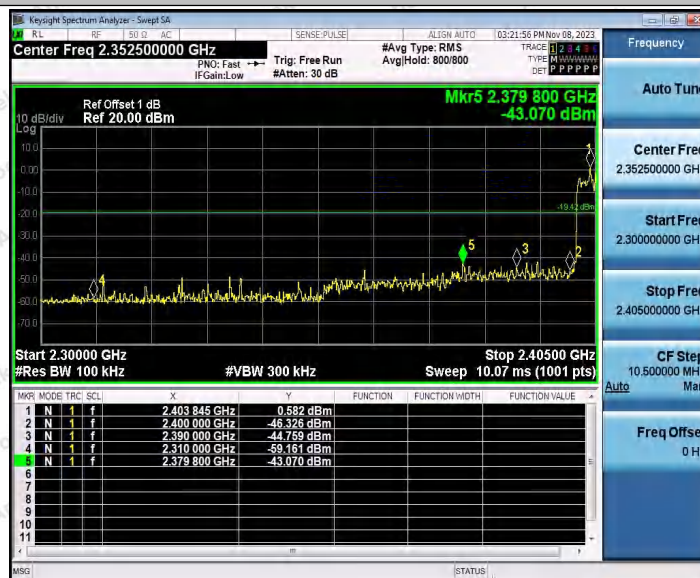
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

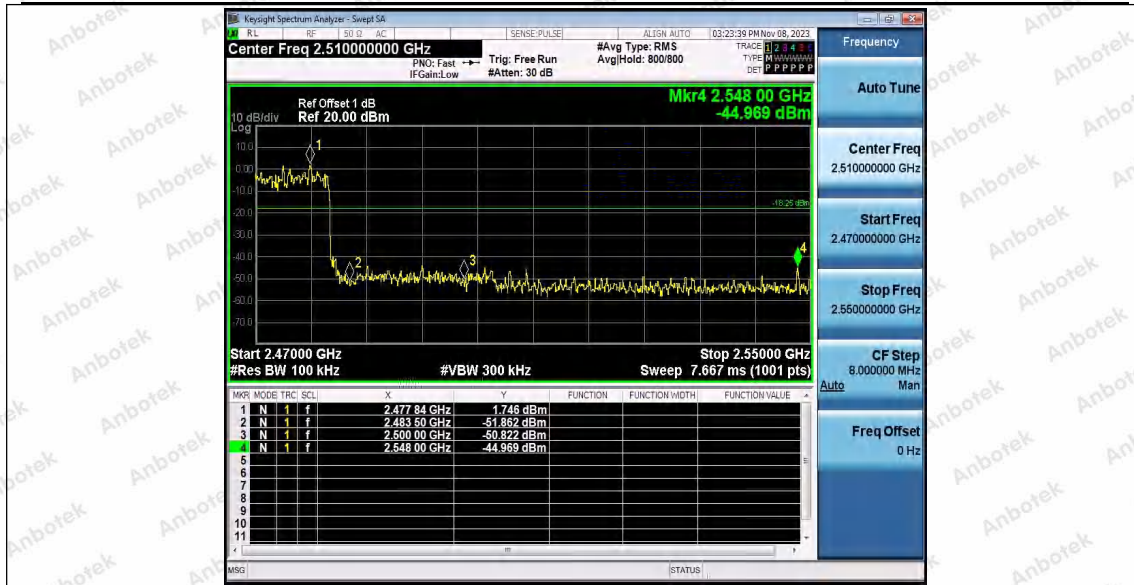
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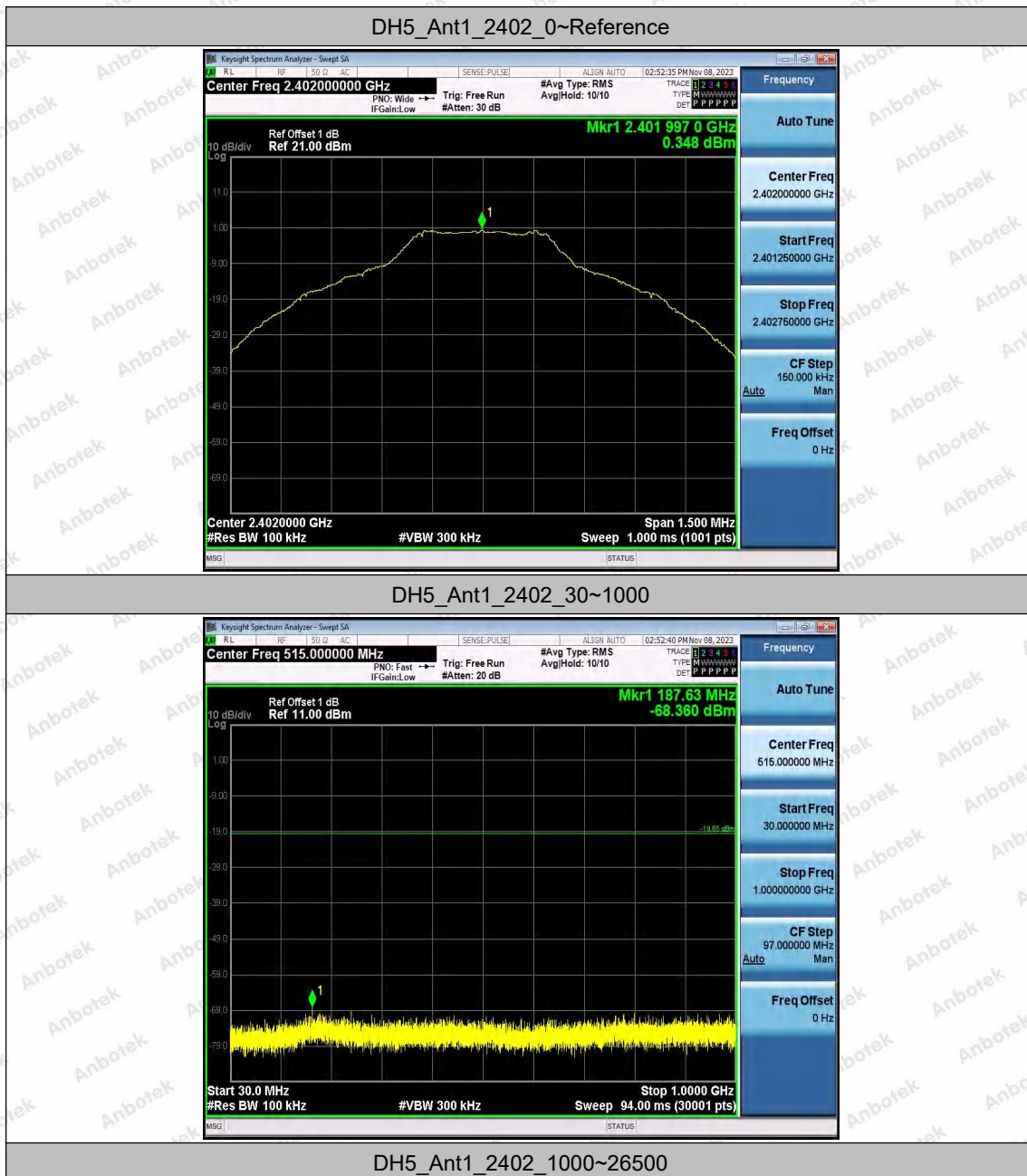
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.35	0.35	---	PASS
			30~1000	0.35	-68.36	≤-19.65	PASS
			1000~26500	0.35	-42.05	≤-19.65	PASS
		2441	Reference	1.25	1.25	---	PASS
			30~1000	1.25	-68.43	≤-18.75	PASS
			1000~26500	1.25	-40.29	≤-18.75	PASS
		2480	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-68.18	≤-18.48	PASS
			1000~26500	1.52	-41.08	≤-18.48	PASS
2DH5	Ant1	2402	Reference	0.52	0.52	---	PASS
			30~1000	0.52	-68.92	≤-19.48	PASS
			1000~26500	0.52	-41.7	≤-19.48	PASS
		2441	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-68.53	≤-18.63	PASS
			1000~26500	1.37	-39.96	≤-18.63	PASS
		2480	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-69.03	≤-18.33	PASS
			1000~26500	1.67	-41.17	≤-18.33	PASS



Test Graphs



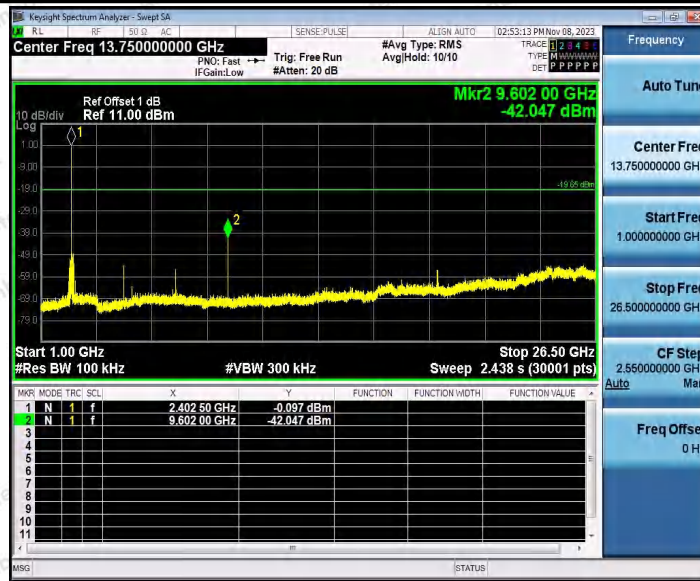
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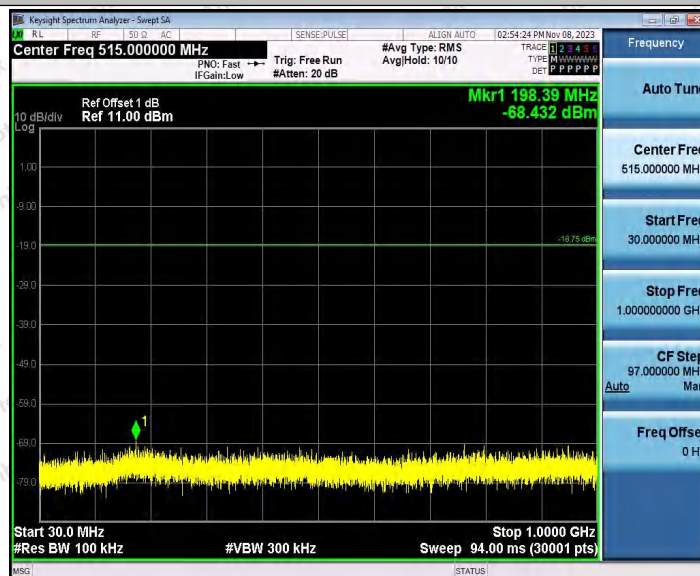




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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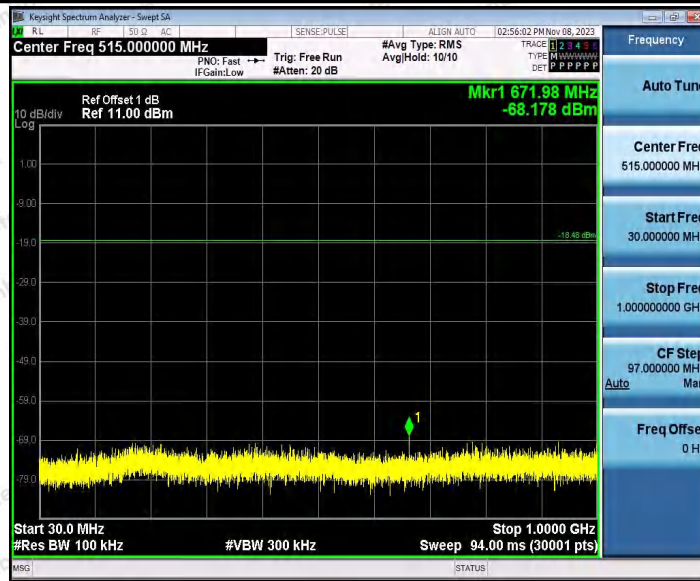
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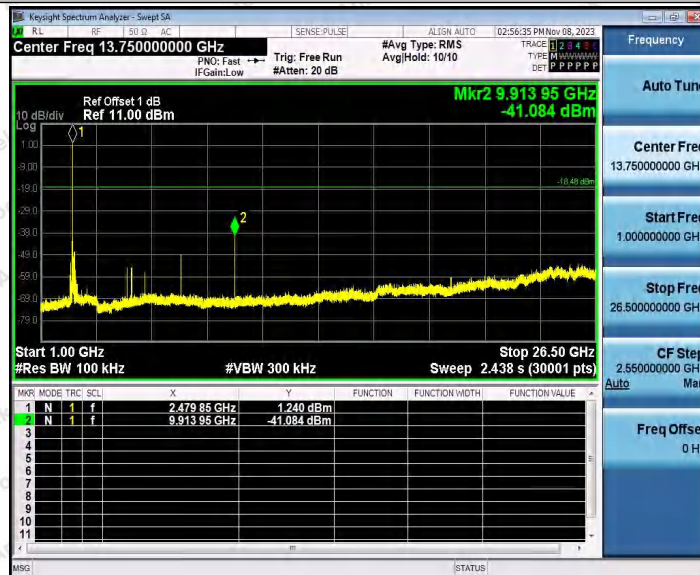


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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



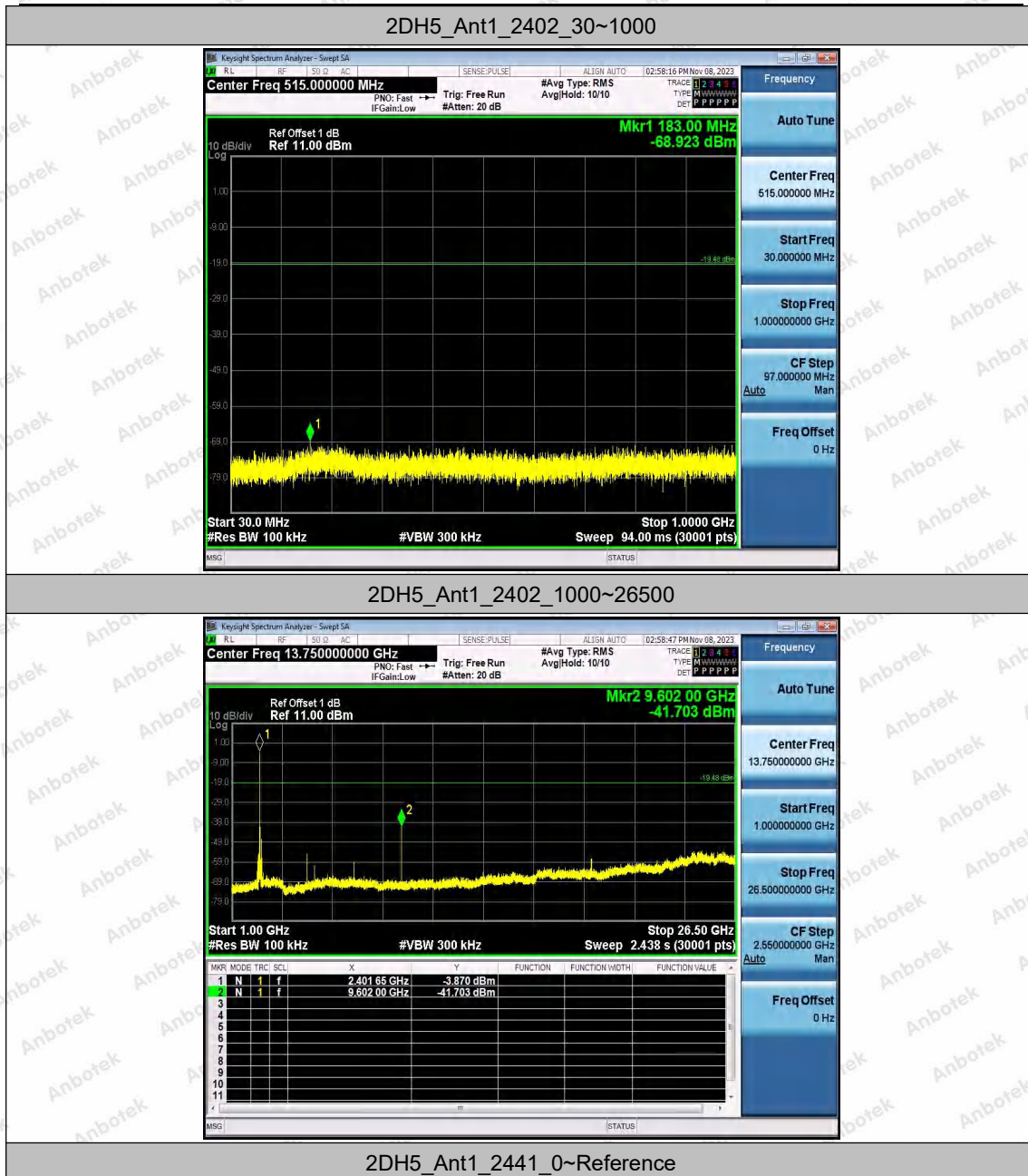
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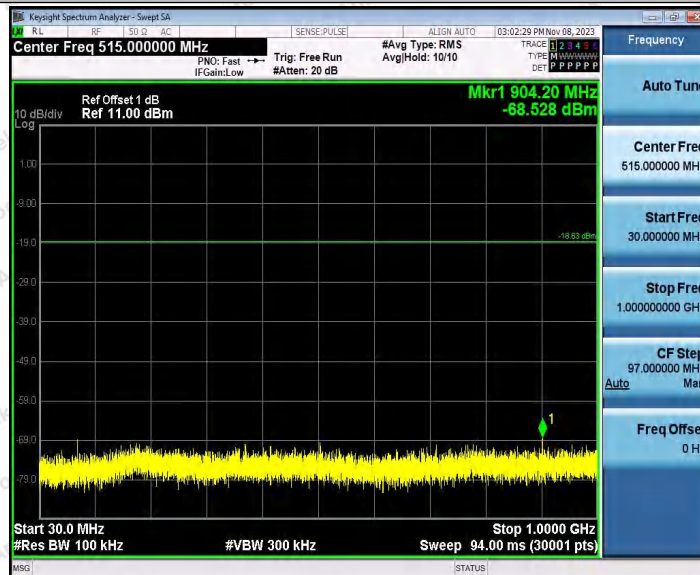


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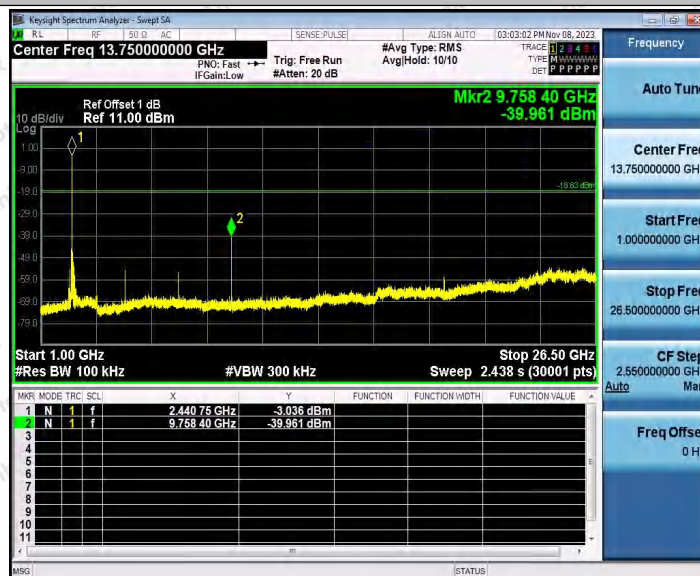




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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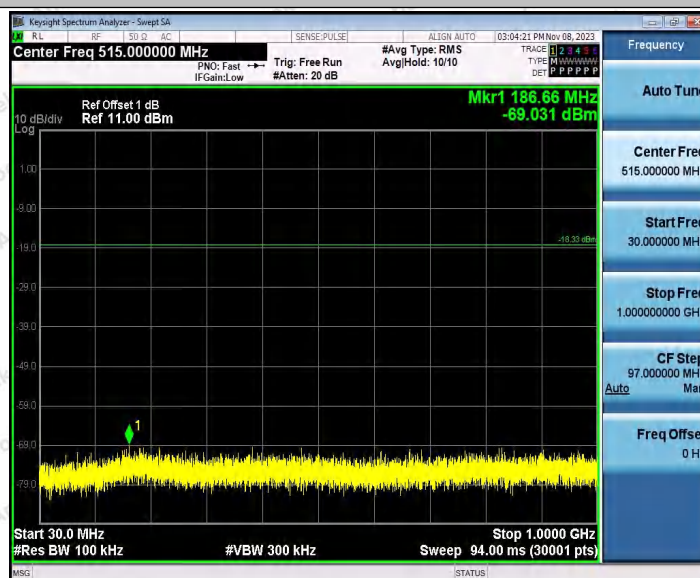
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

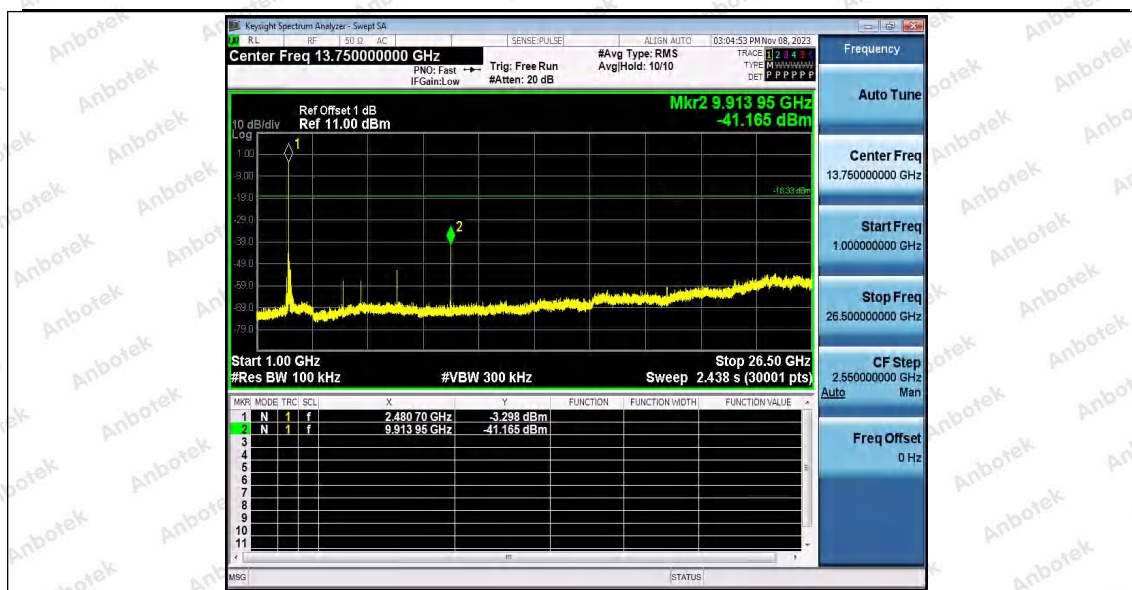
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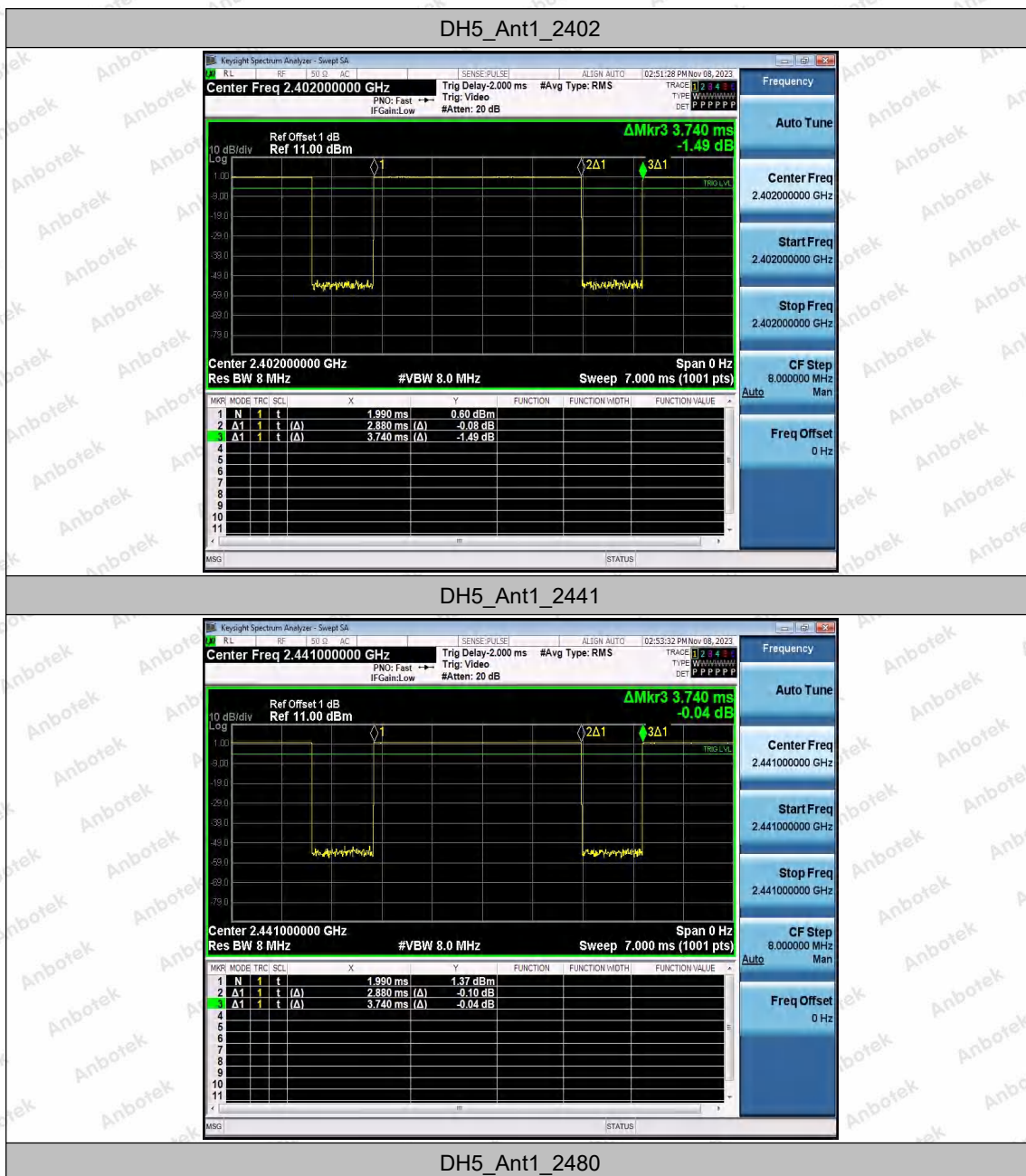
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.74	77.01	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.90	3.75	77.33	1.12
		2441	2.89	3.75	77.07	1.13
		2480	2.90	3.75	77.33	1.12



Test Graphs



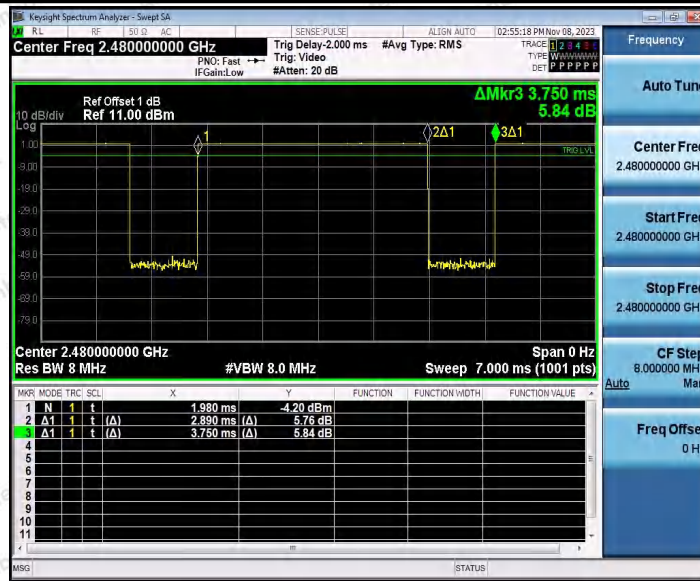
Shenzhen Anbotek Compliance Laboratory Limited

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

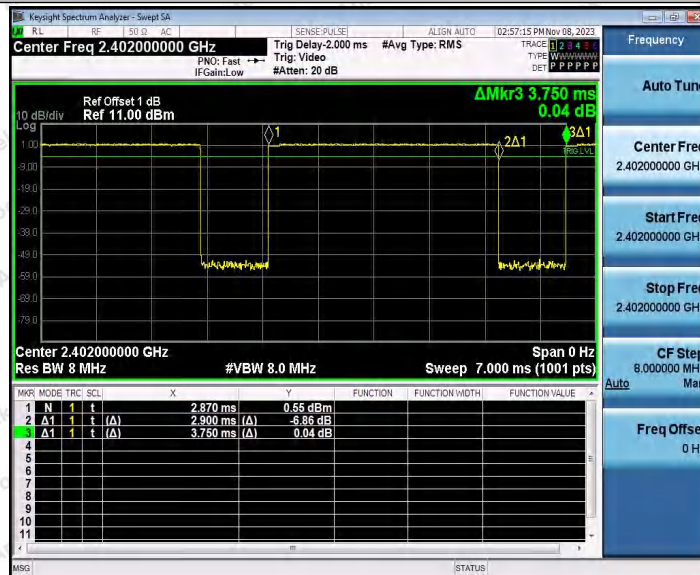


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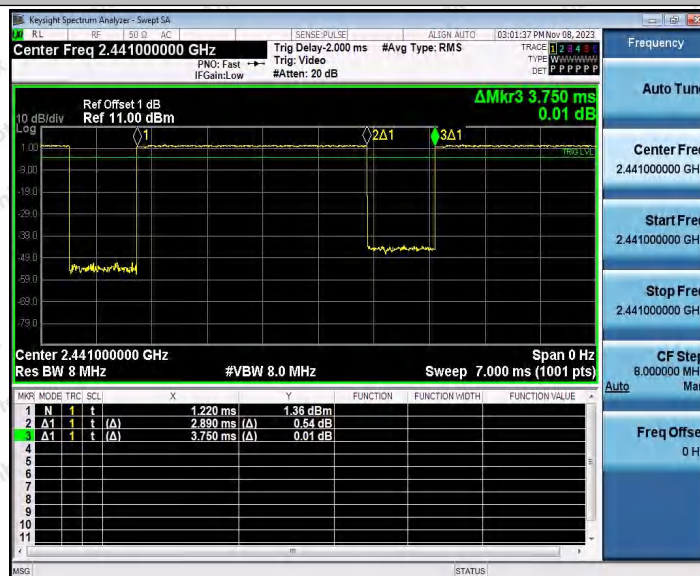




2DH5_Ant1_2402



2DH5_Ant1_2441



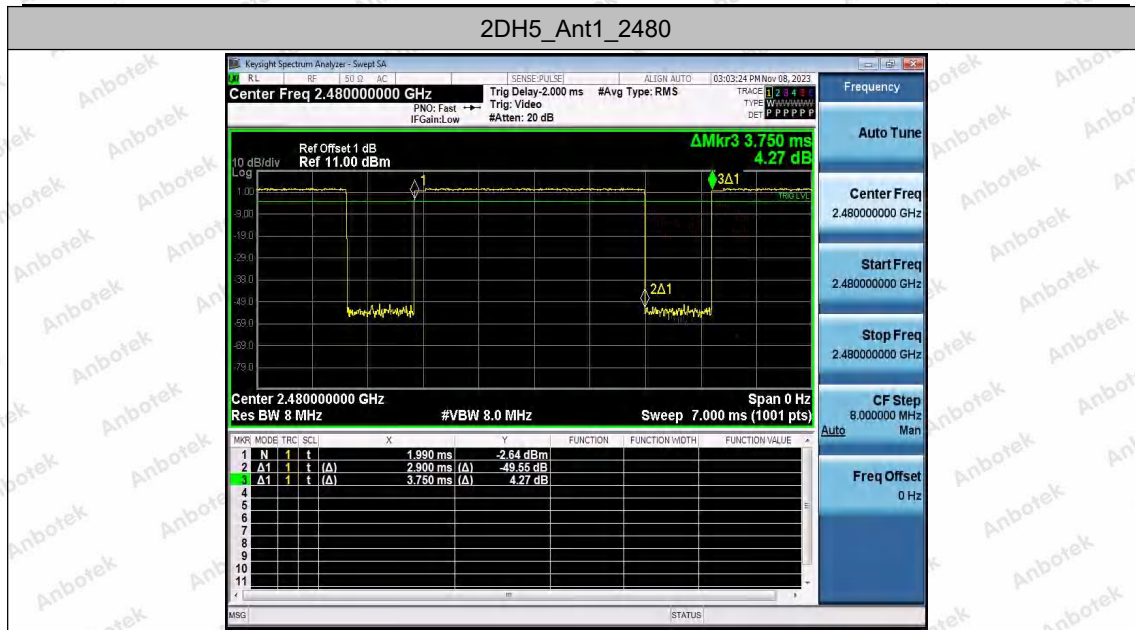
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