

Appendix Test Data

Report No.:	18220WC40003201	Test Sample No.:	1-2-2
Start Test Date:	2024.1.11	Finish Test Date:	2024.1.11
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°C	Relative Humidity:	48%
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	1.035	2401.523	2402.558	---	---
		2441	1.038	2440.517	2441.555	---	---
		2480	1.035	2479.517	2480.552	---	---
2DH5	Ant1	2402	1.290	2401.406	2402.696	---	---
		2441	1.332	2440.379	2441.711	---	---
		2480	1.317	2479.382	2480.699	---	---

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Test Graphs



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441

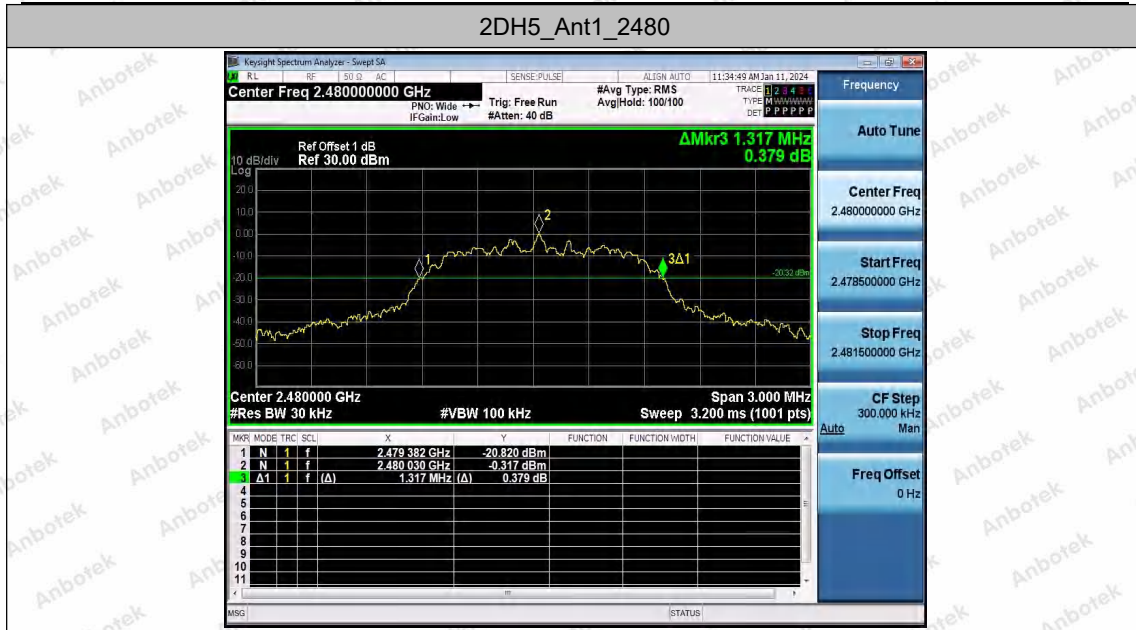


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.93725	2401.5693	2402.5065	---	---
		2441	0.93177	2440.5740	2441.5058	---	---
		2480	0.92369	2479.5771	2480.5008	---	---
2DH5	Ant1	2402	1.2132	2401.4366	2402.6498	---	---
		2441	1.2147	2440.4429	2441.6576	---	---
		2480	1.2337	2479.4323	2480.6660	---	---

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2DH5_Ant1_2402



2DH5_Ant1_2441

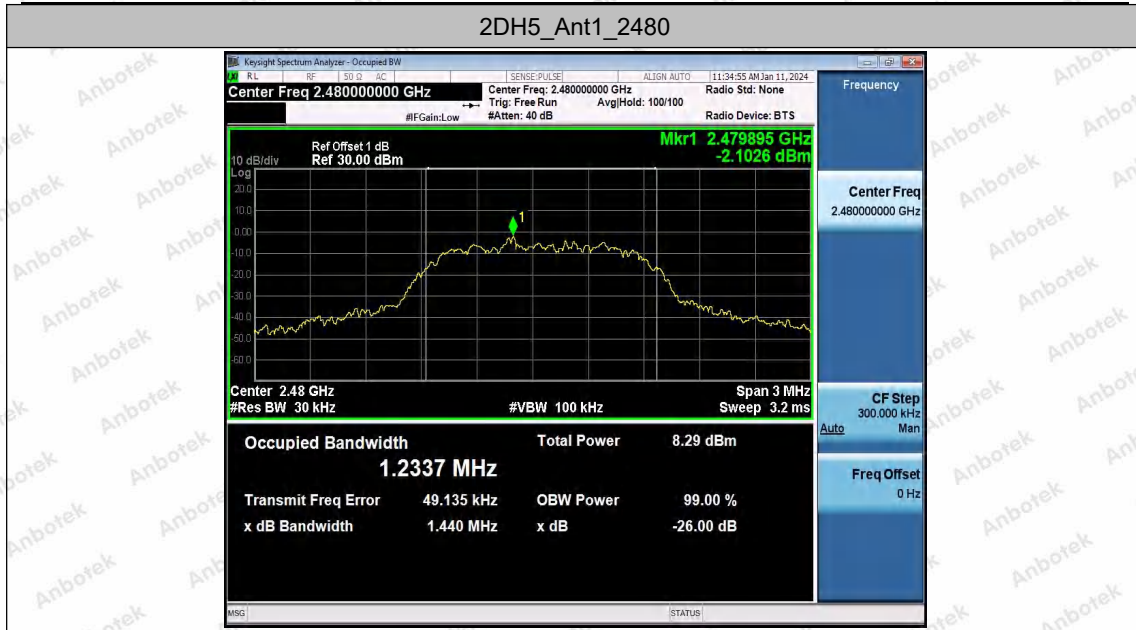


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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.34	≤20.97	PASS
		2441	1.13	≤20.97	PASS
		2480	2.73	≤20.97	PASS
2DH5	Ant1	2402	1.10	≤20.97	PASS
		2441	1.83	≤20.97	PASS
		2480	3.56	≤20.97	PASS

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2DH5_Ant1_2402



2DH5_Ant1_2441

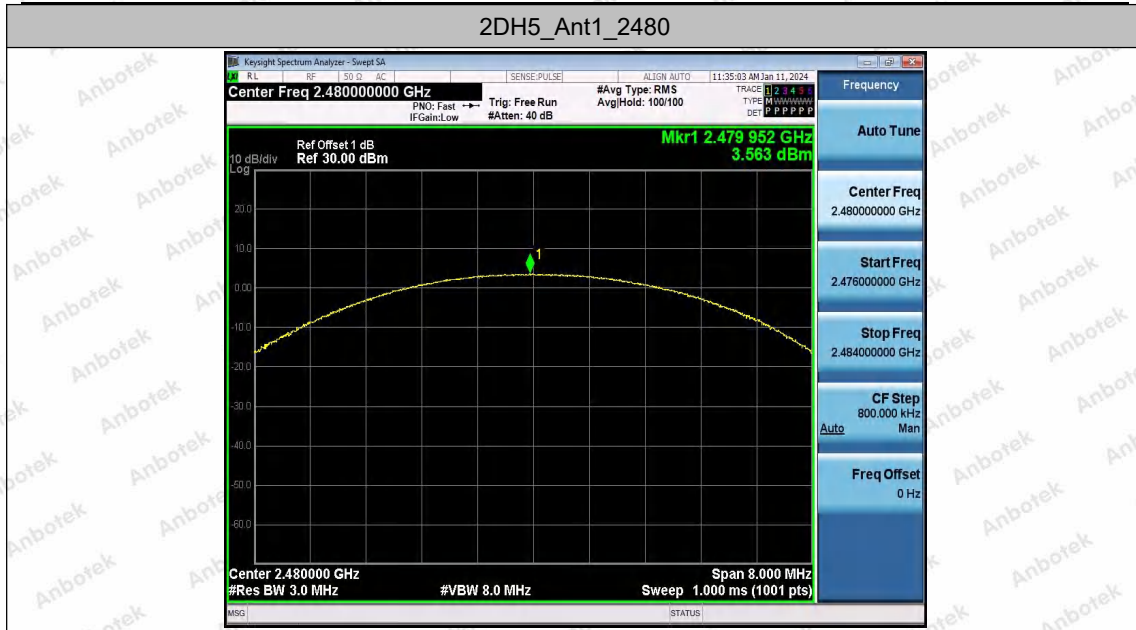


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥0.692	PASS
2DH5	Ant1	Hop	1.05	≥0.888	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	0.380	317	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.638	154	0.252	≤0.4	PASS
DH5	Ant1	Hop	2.884	106	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.642	148	0.243	≤0.4	PASS
2DH5	Ant1	Hop	2.891	116	0.335	≤0.4	PASS

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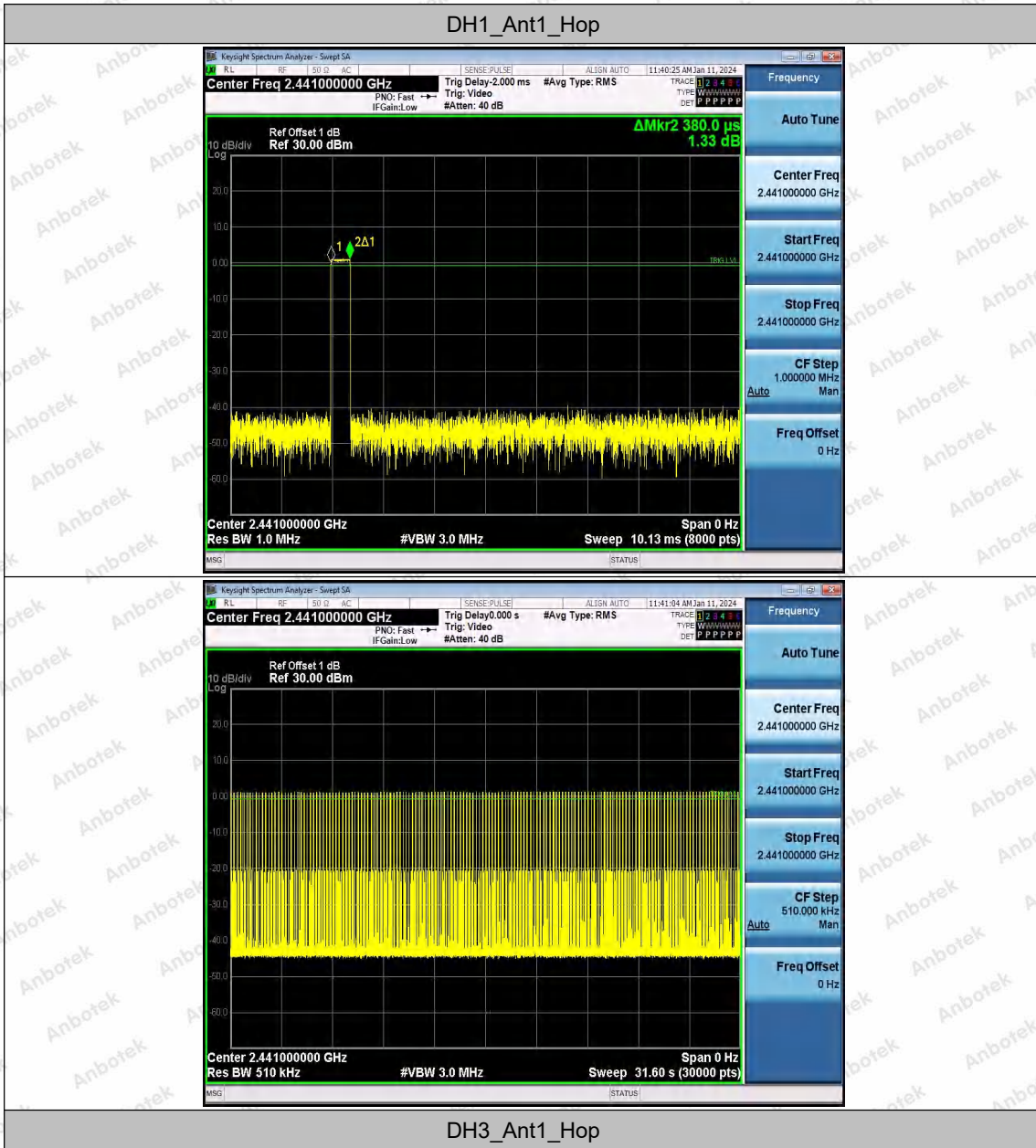
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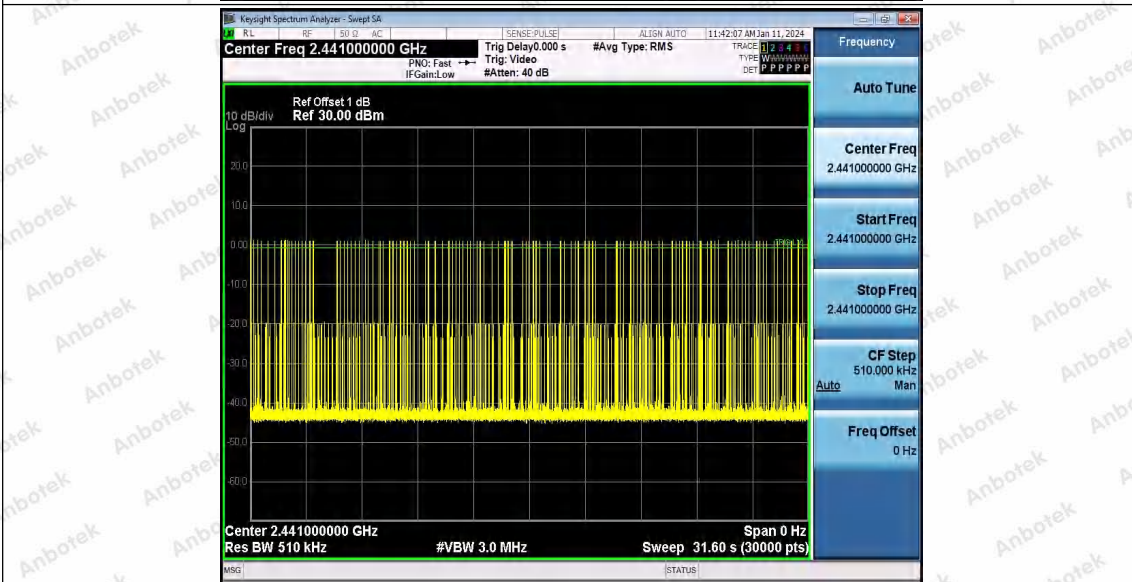
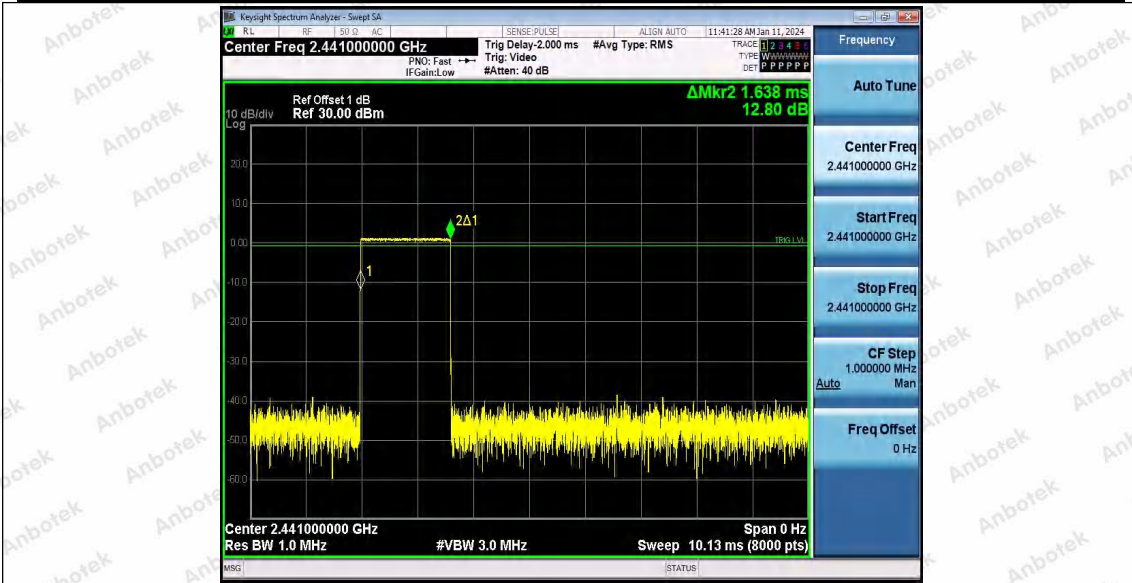


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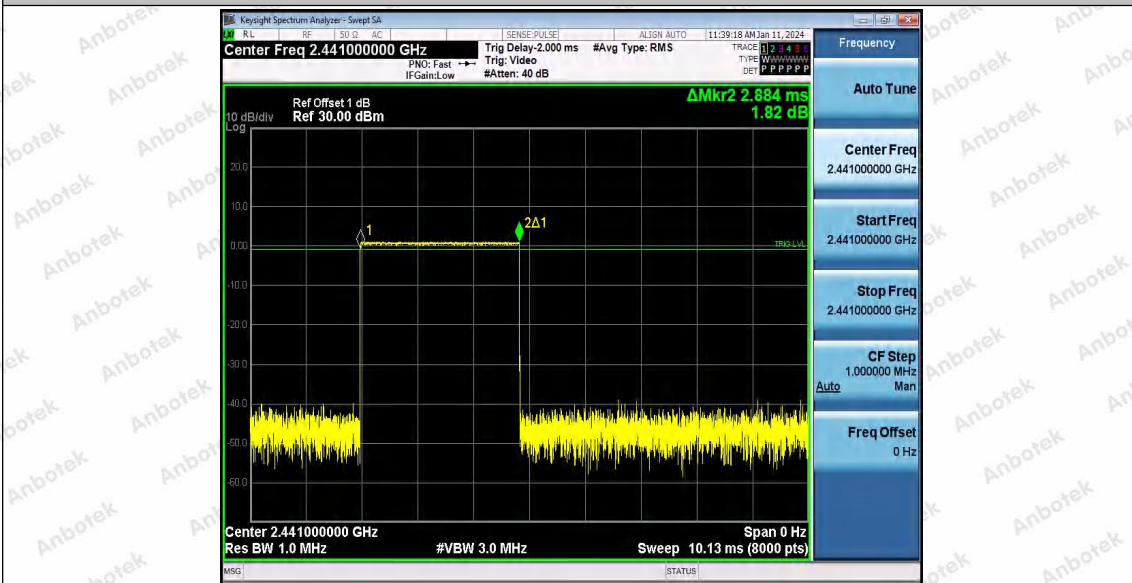
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DH5_Ant1_Hop

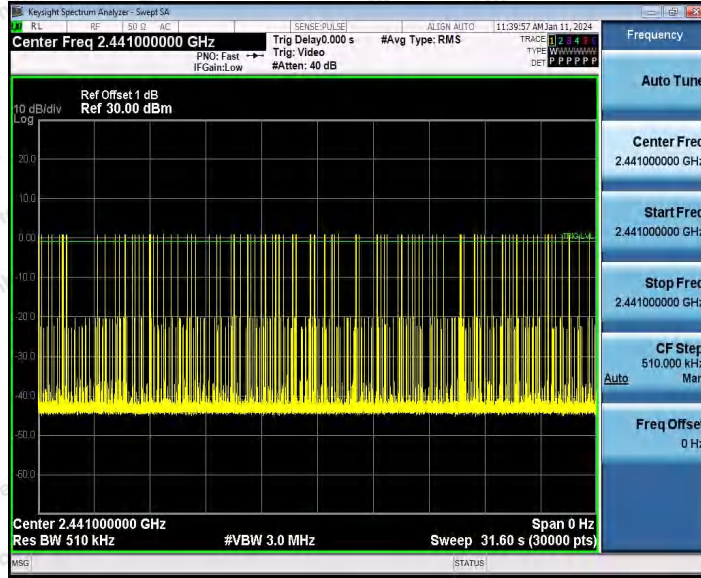


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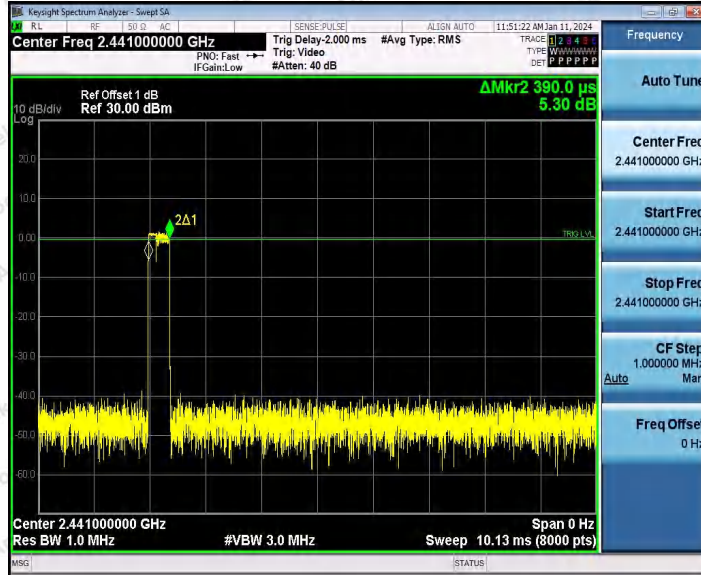
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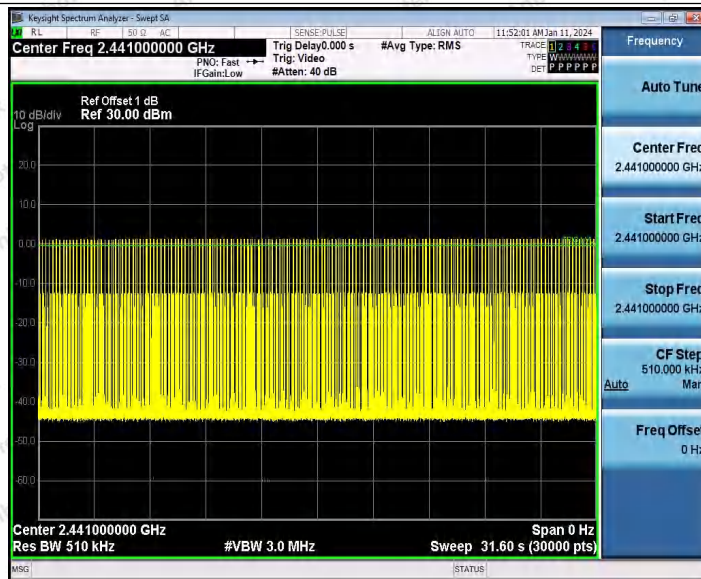




2DH1_Ant1_Hop



2DH3_Ant1_Hop

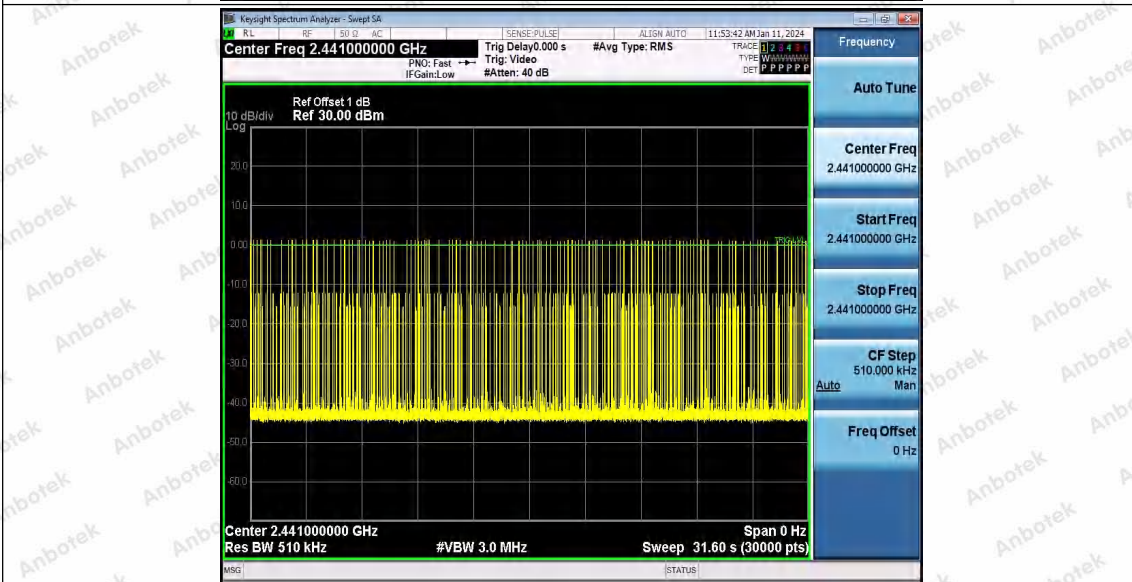
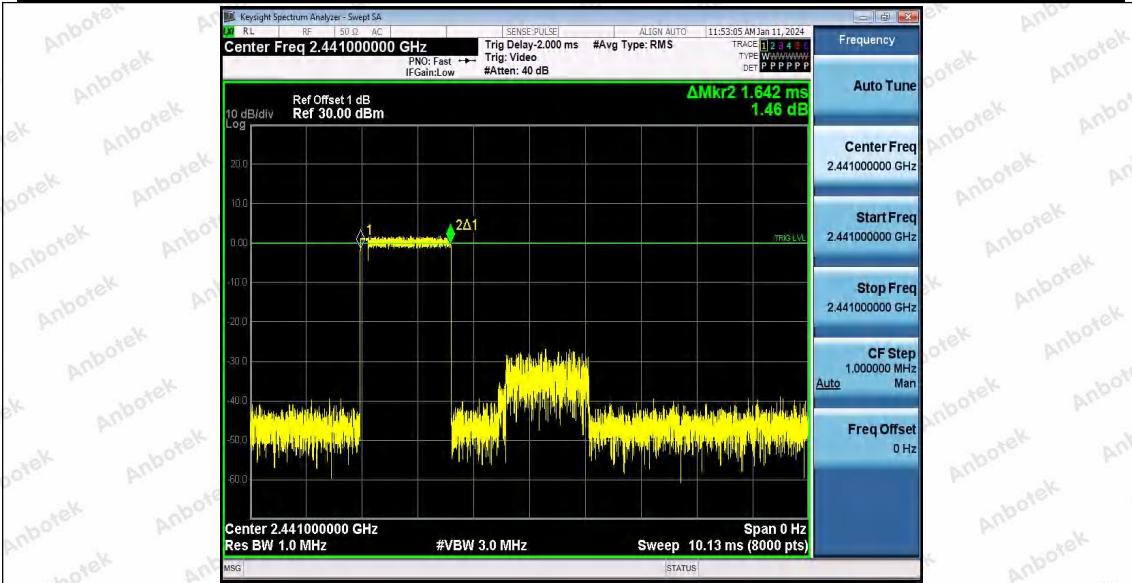


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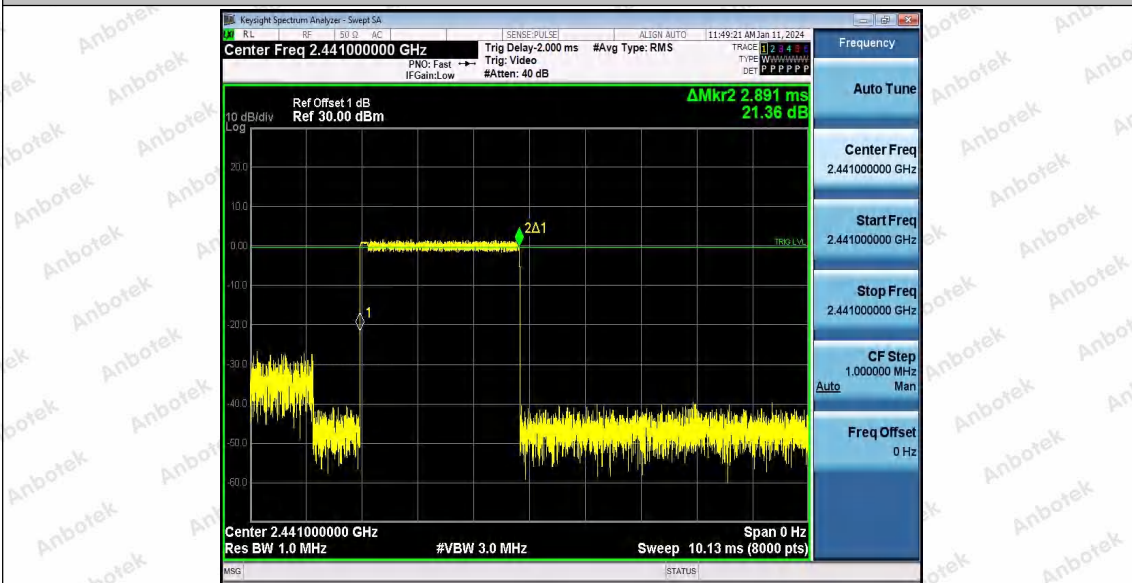
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2DH5_Ant1_Hop

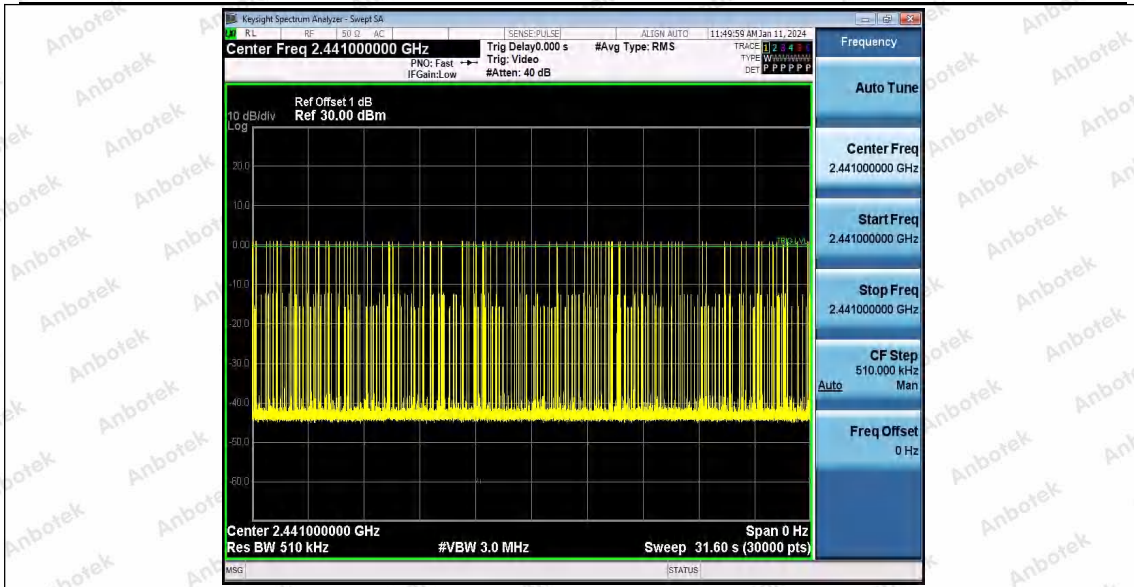


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Appendix F: Number of hopping channels

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



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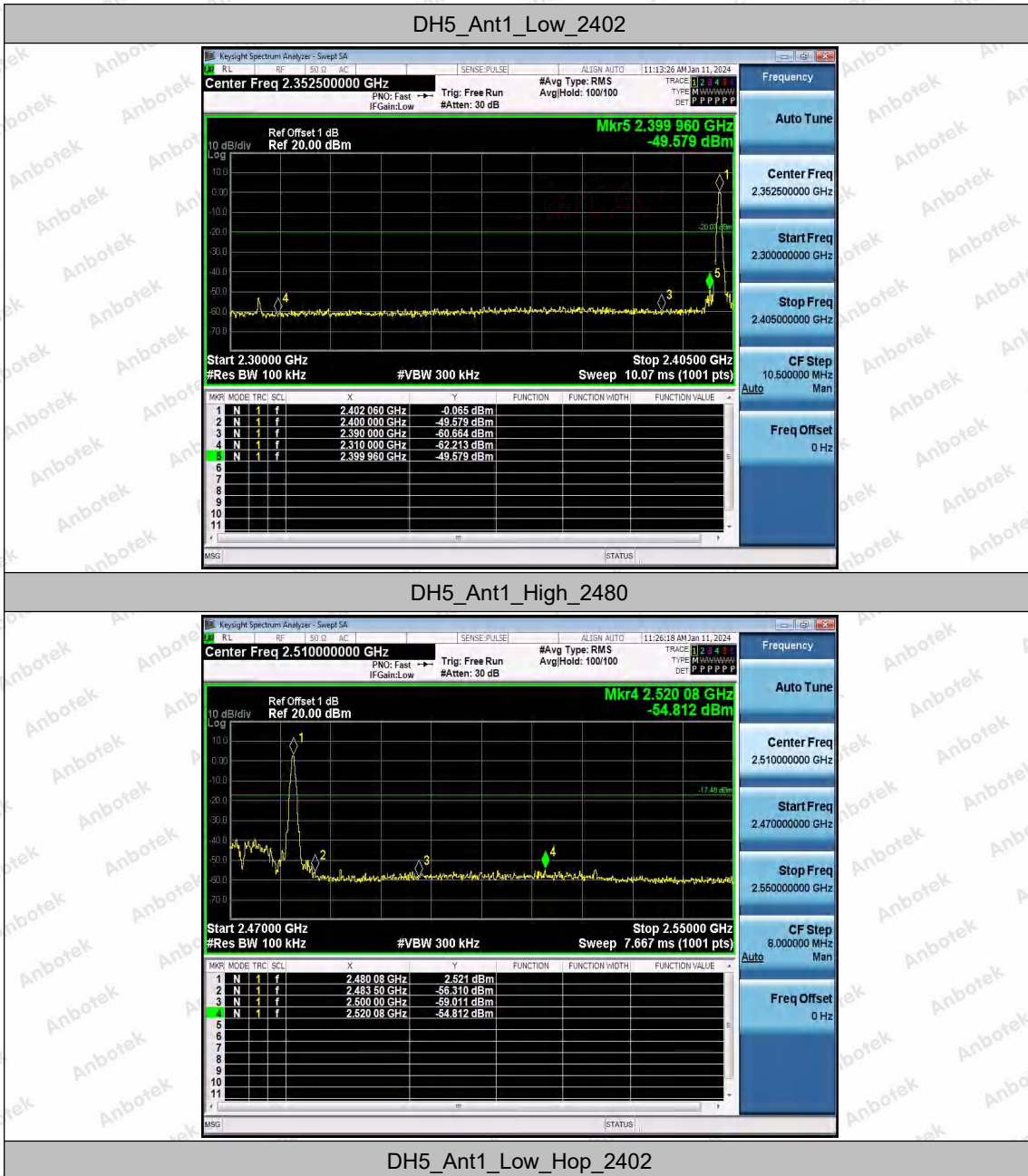
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.07	-49.58	≤-20.07	PASS
		High	2480	2.52	-54.81	≤-17.48	PASS
		Low	Hop_2402	0.05	-52.36	≤-19.95	PASS
		High	Hop_2480	2.31	-50.8	≤-17.7	PASS
2DH5	Ant1	Low	2402	-0.36	-52.25	≤-20.36	PASS
		High	2480	2.19	-55.02	≤-17.81	PASS
		Low	Hop_2402	-0.16	-39.08	≤-20.16	PASS
		High	Hop_2480	2.23	-36.76	≤-17.78	PASS



Test Graphs

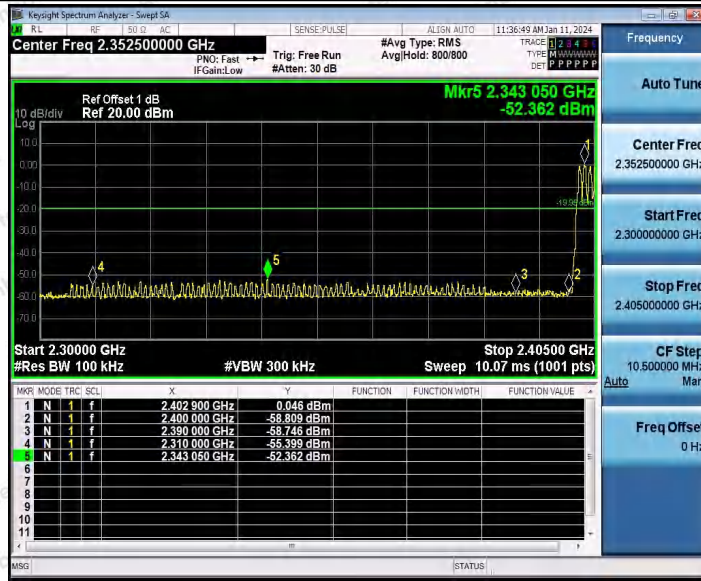


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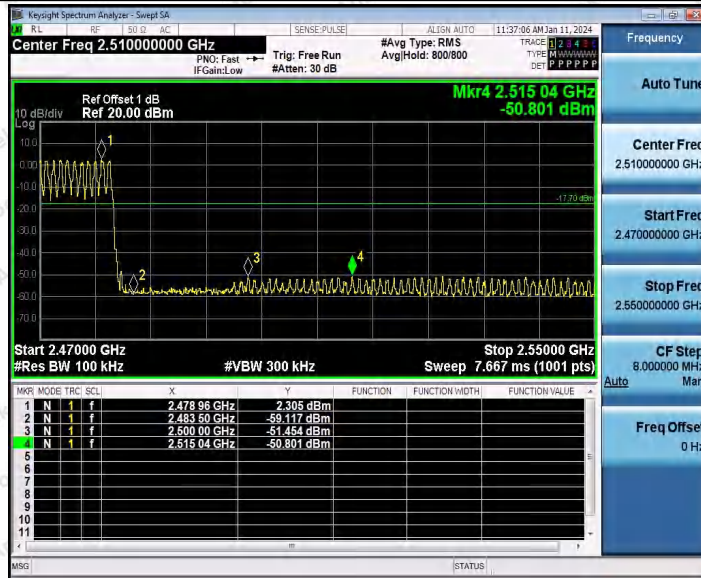
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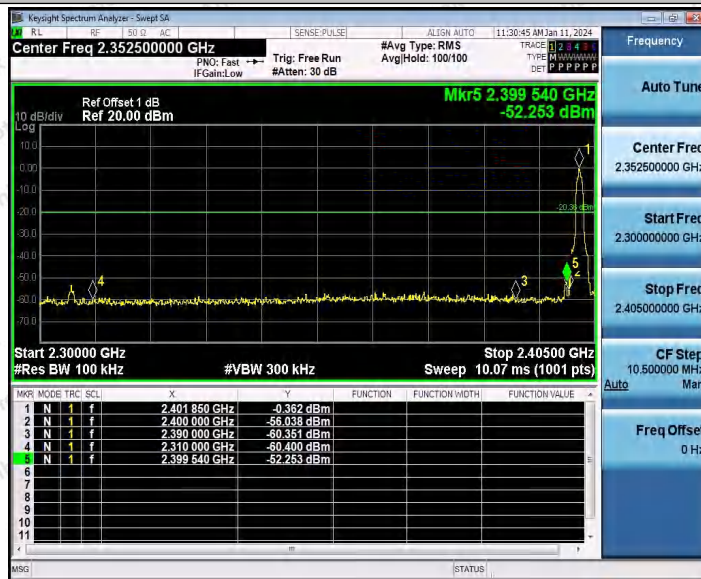




DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



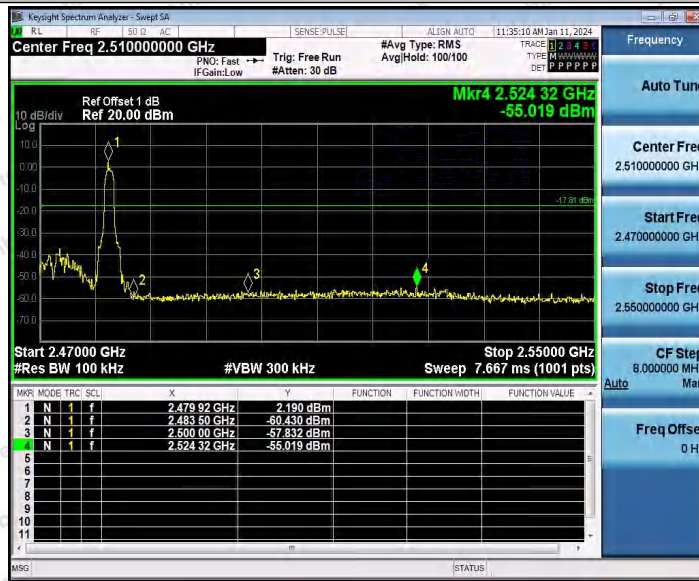
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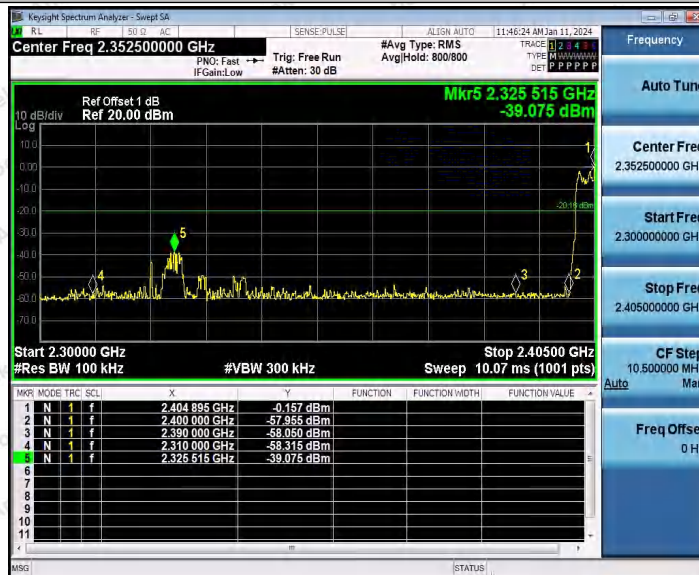
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



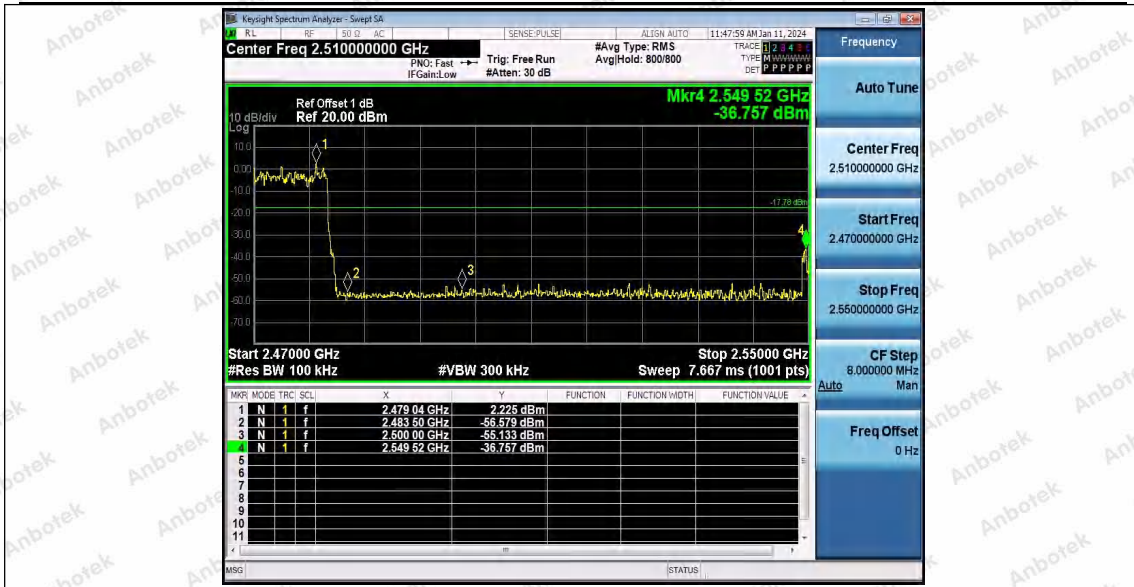
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Appendix H: Conducted Spurious Emission

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	-69.11	≤-20.6	PASS
			1000~26500	-0.60	-39.43	≤-20.6	PASS
		2441	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-69.09	≤-19.99	PASS
			1000~26500	0.01	-38	≤-19.99	PASS
		2480	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-69.03	≤-17.95	PASS
			1000~26500	2.05	-37.83	≤-17.95	PASS
2DH5	Ant1	2402	Reference	-4.20	-4.20	---	PASS
			30~1000	-4.20	-68.63	≤-24.2	PASS
			1000~26500	-4.20	-38.2	≤-24.2	PASS
		2441	Reference	0.54	0.54	---	PASS
			30~1000	0.54	-69.05	≤-19.46	PASS
			1000~26500	0.54	-40.8	≤-19.46	PASS
		2480	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-52.47	≤-17.71	PASS
			1000~26500	2.29	-38.98	≤-17.71	PASS

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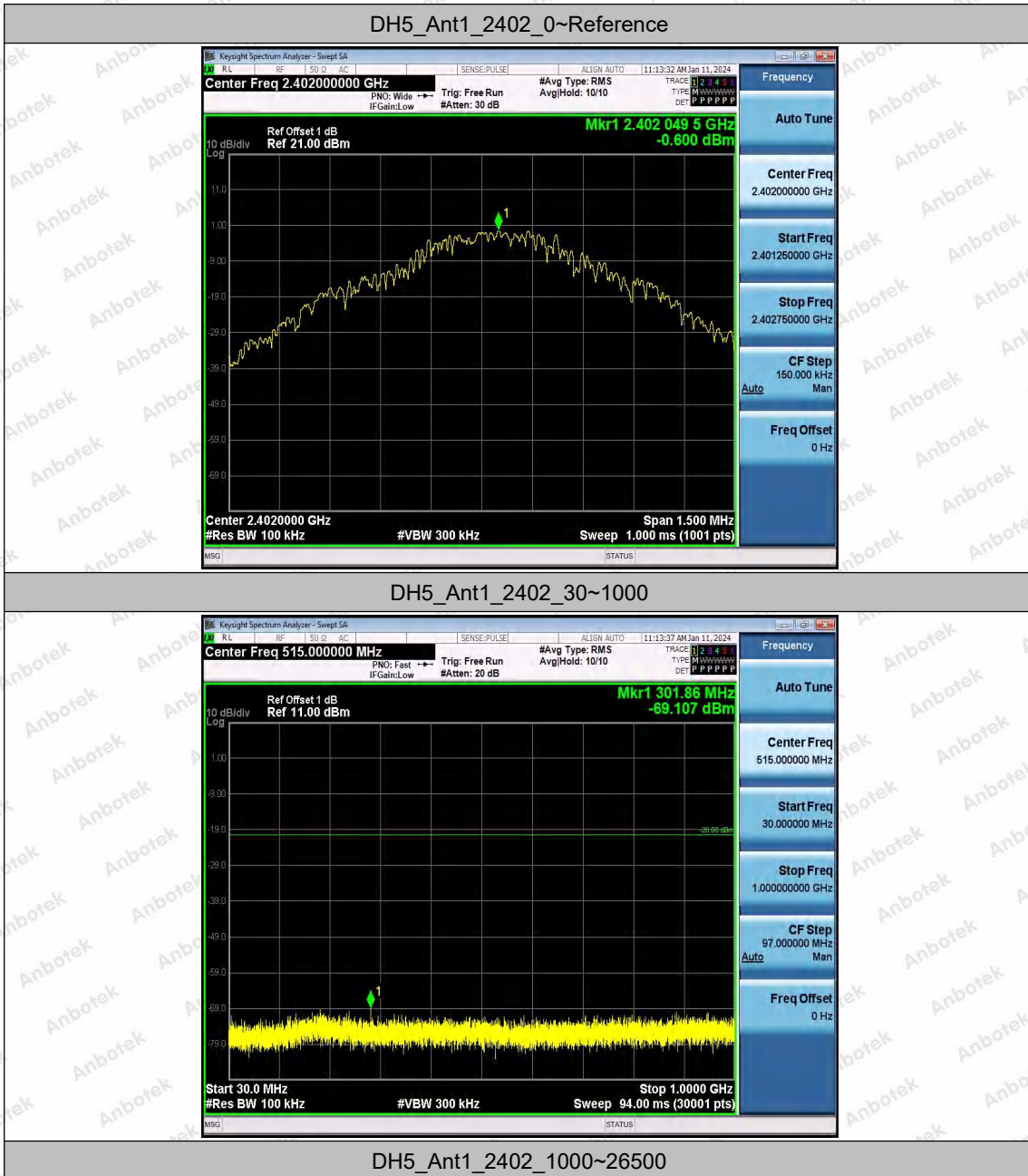
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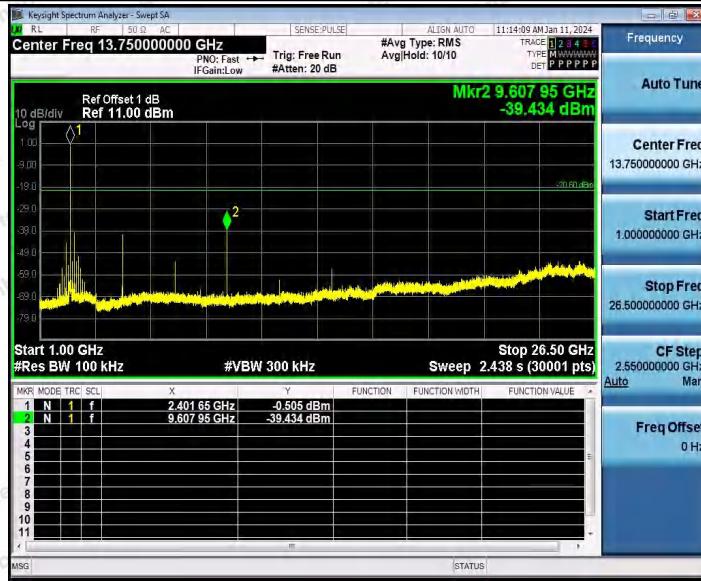


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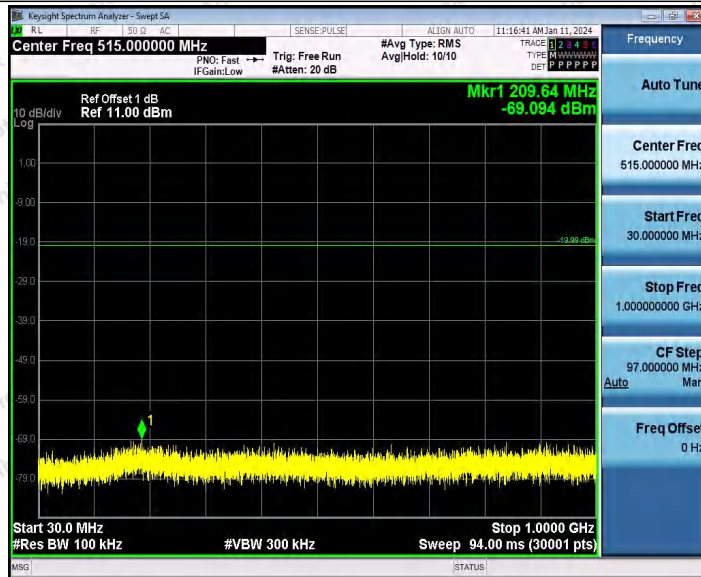




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



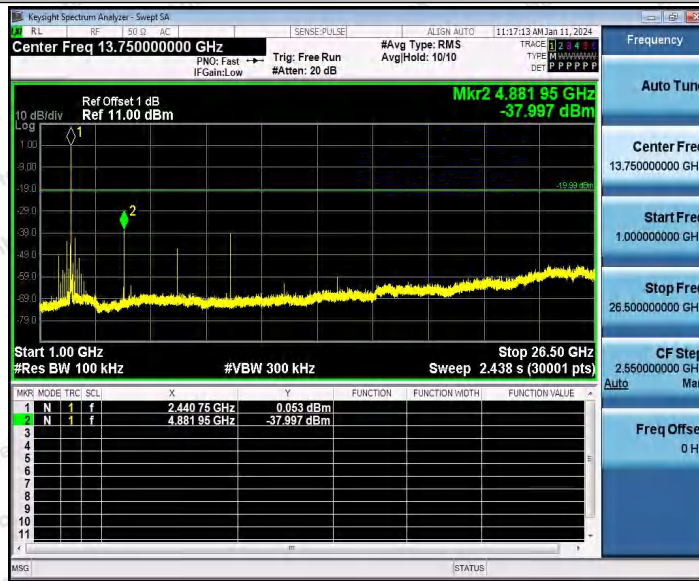
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



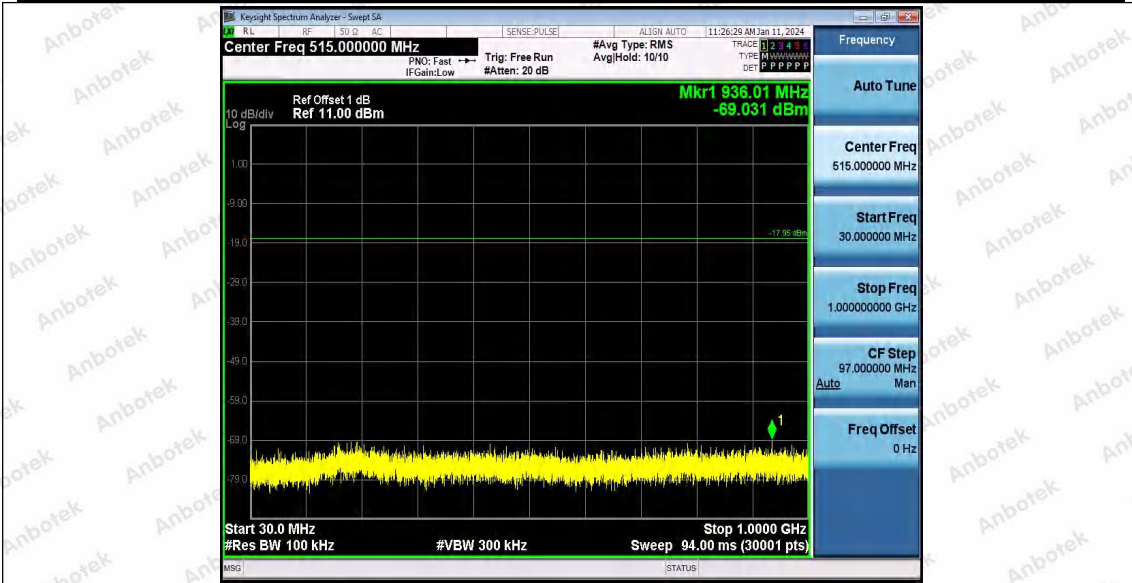
DH5_Ant1_2480_30~1000

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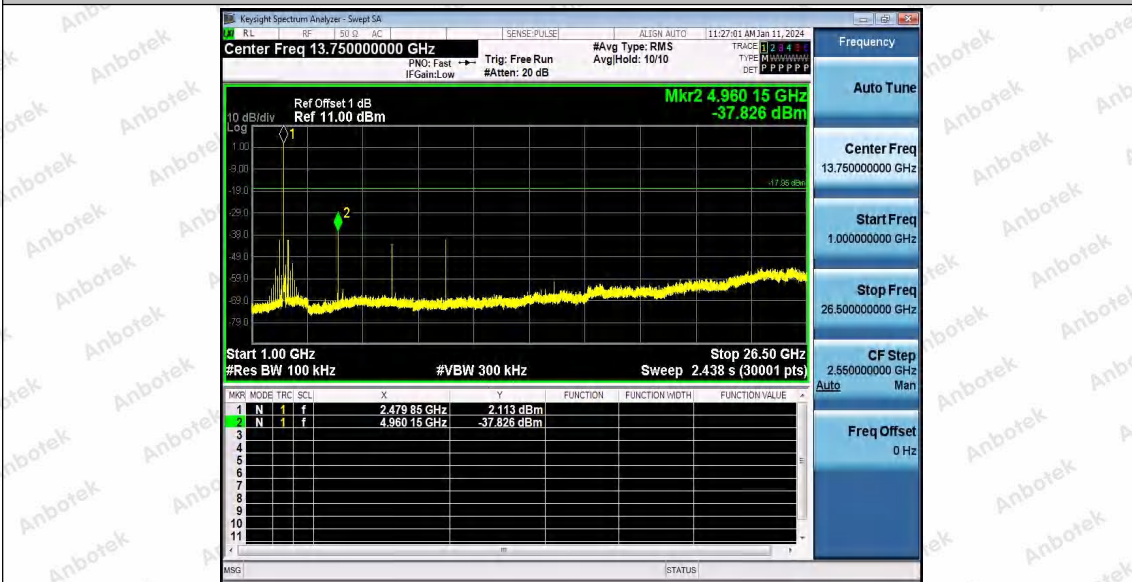
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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

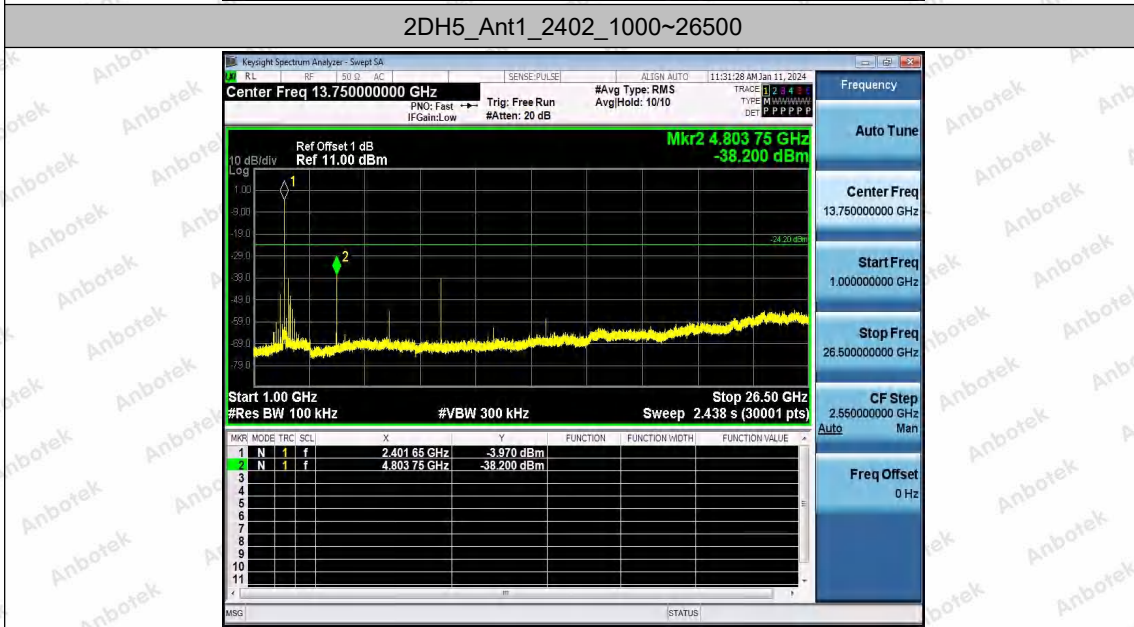
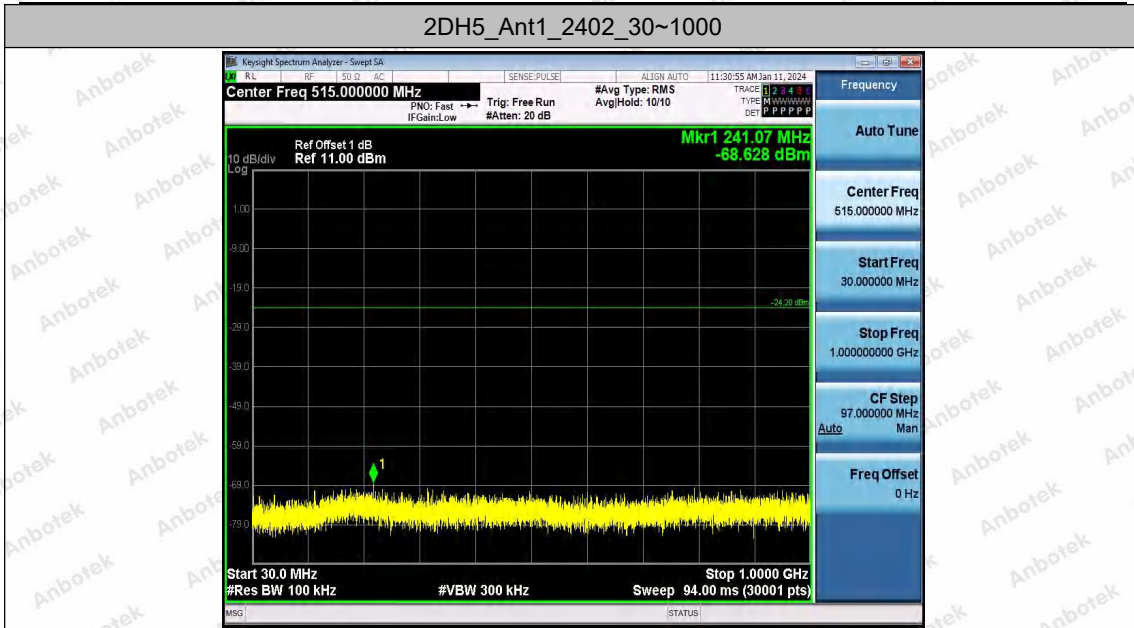


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2DH5_Ant1_2441_0~Reference

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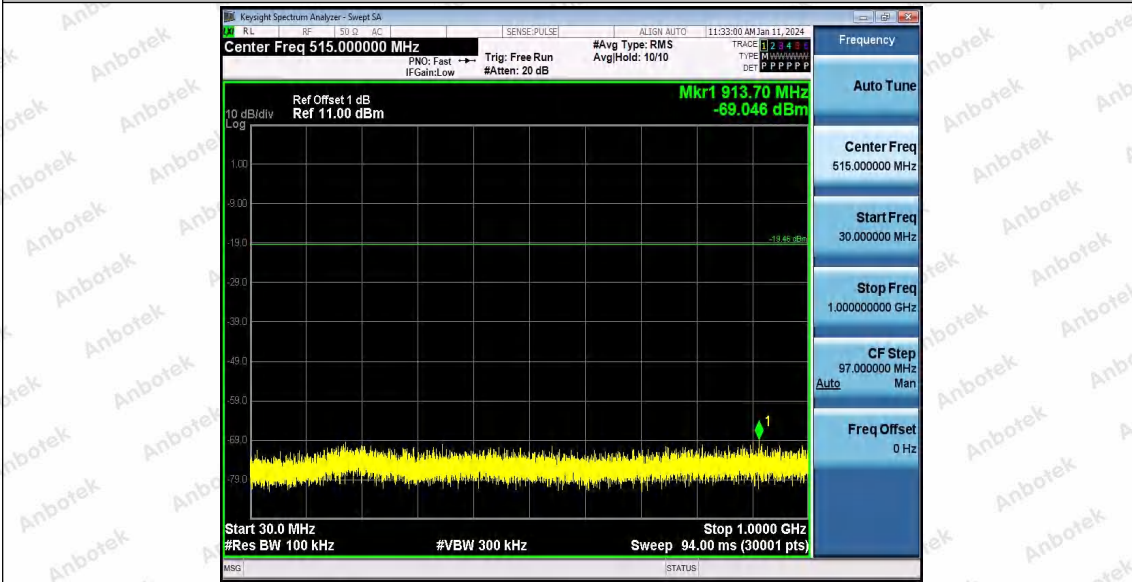
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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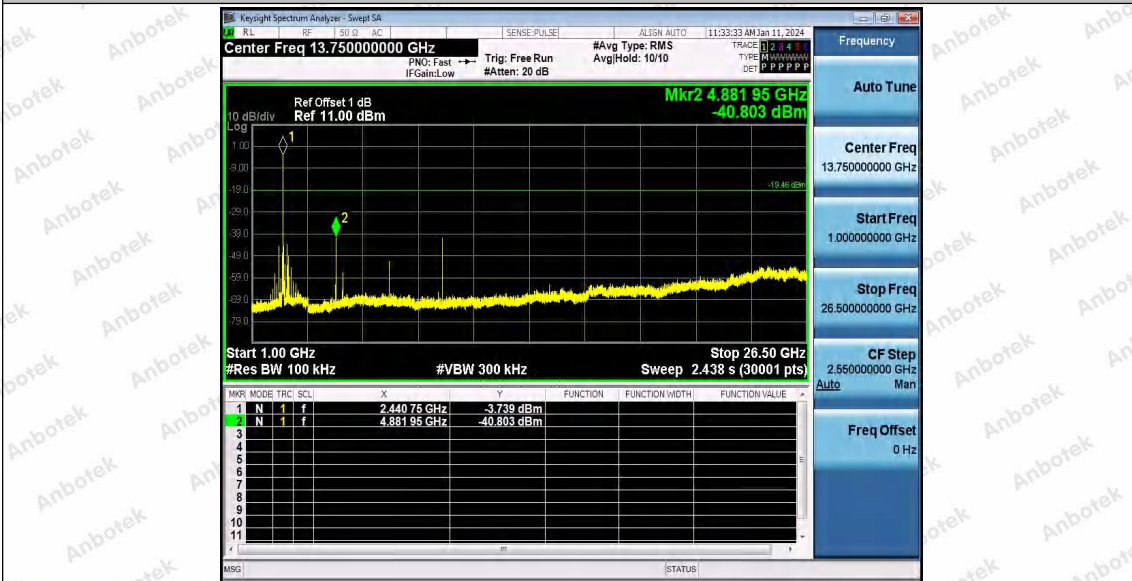




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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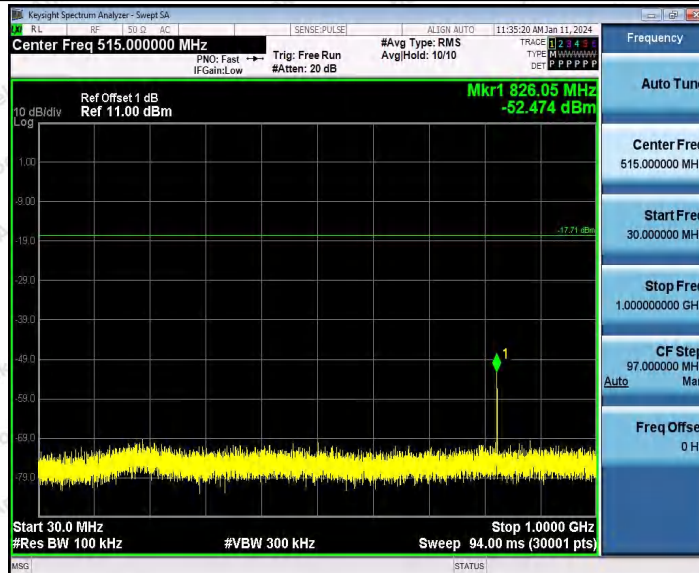
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



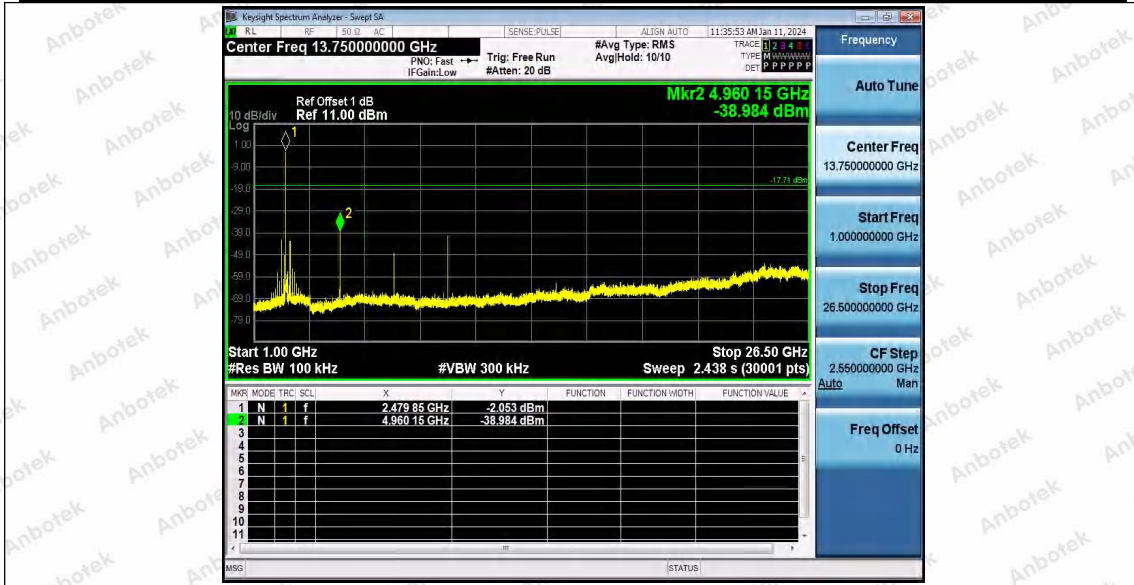
2DH5_Ant1_2480_1000~26500

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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	2.89	3.75	77.07	1.13
		2441	2.89	3.75	77.07	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	2.89	3.75	77.07	1.13

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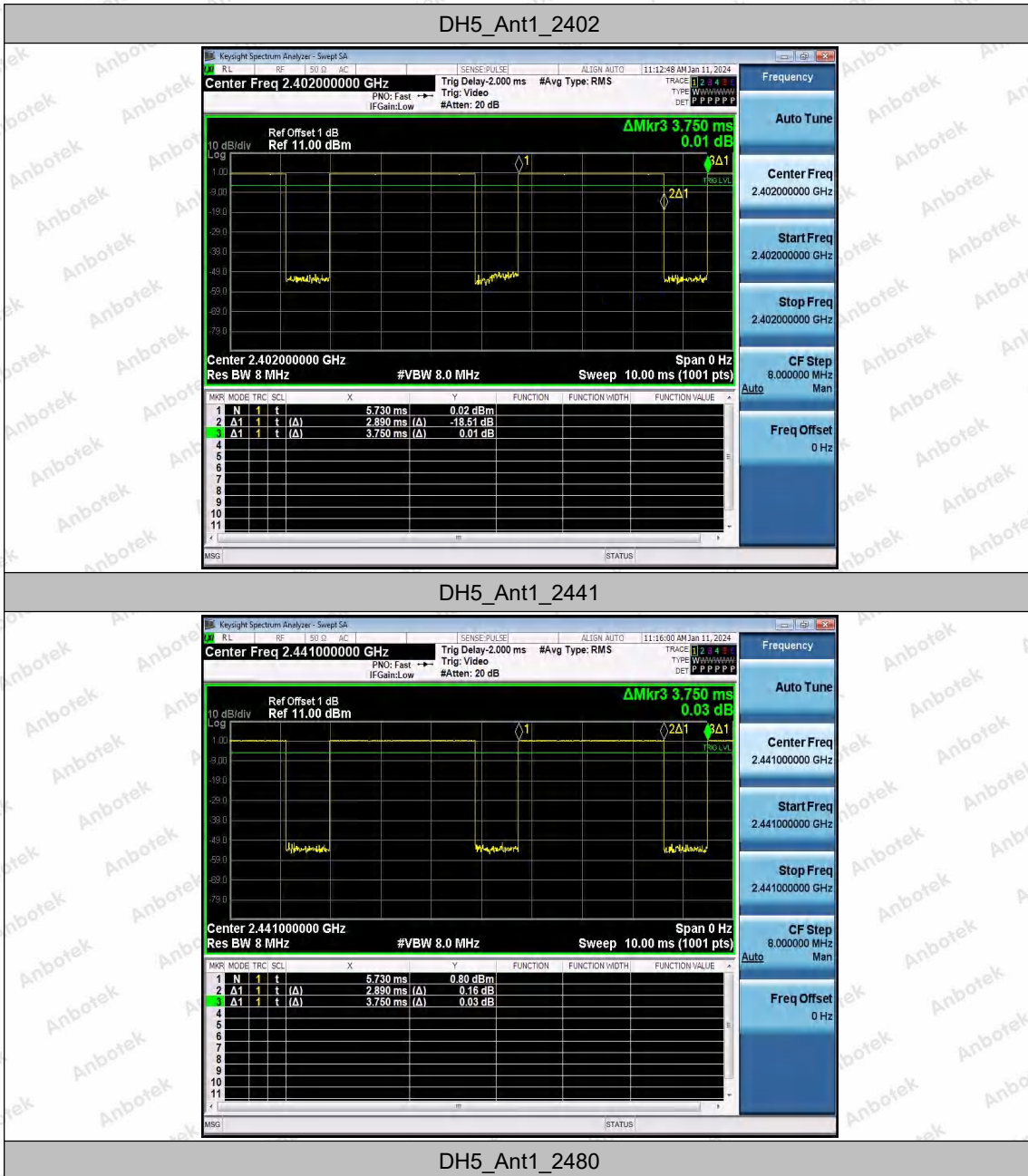
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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Test Graphs

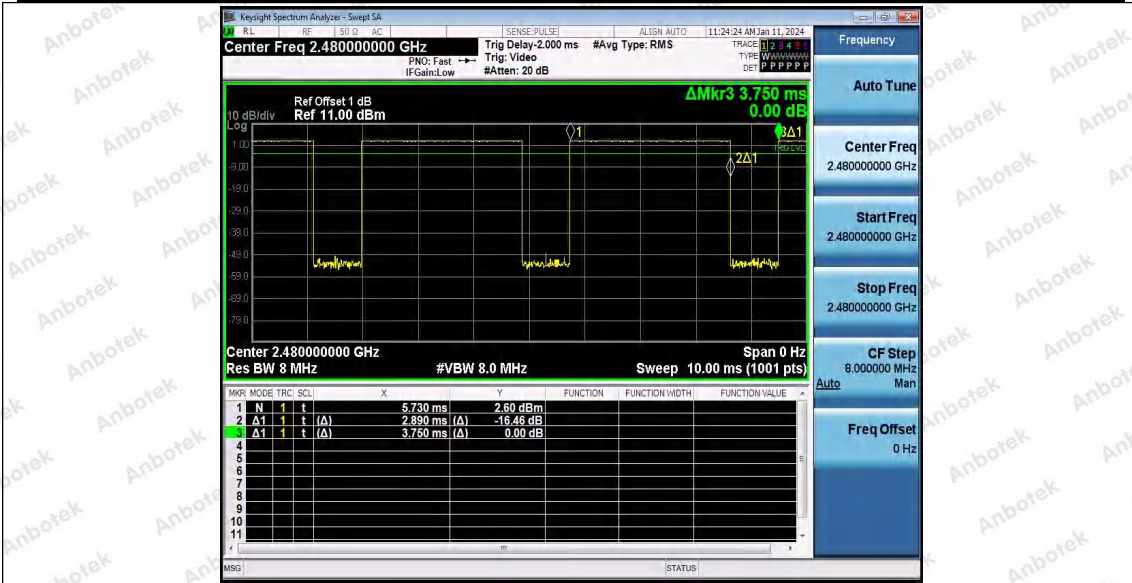


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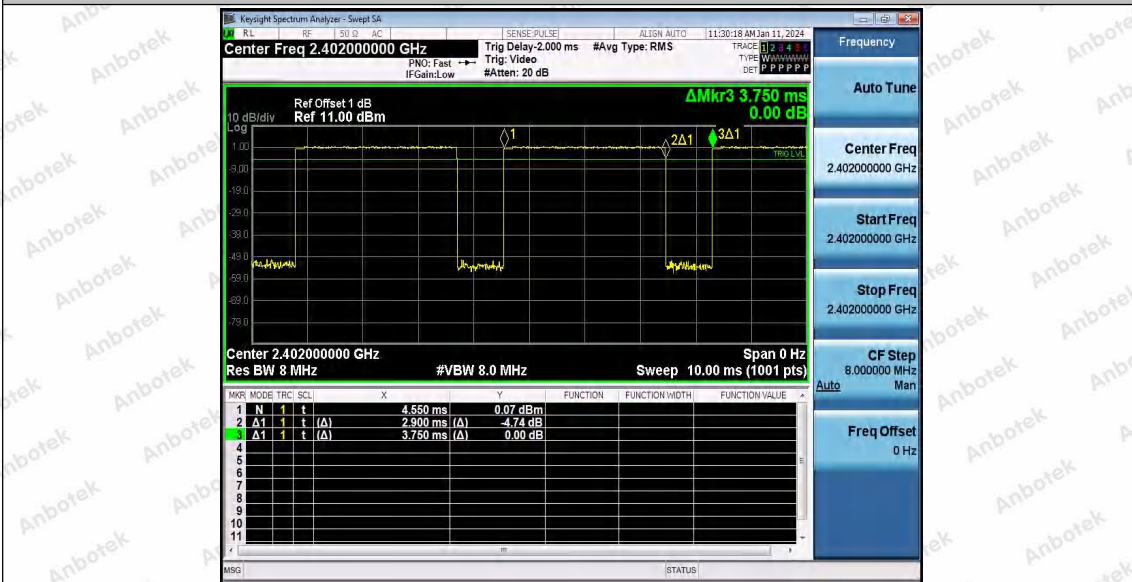
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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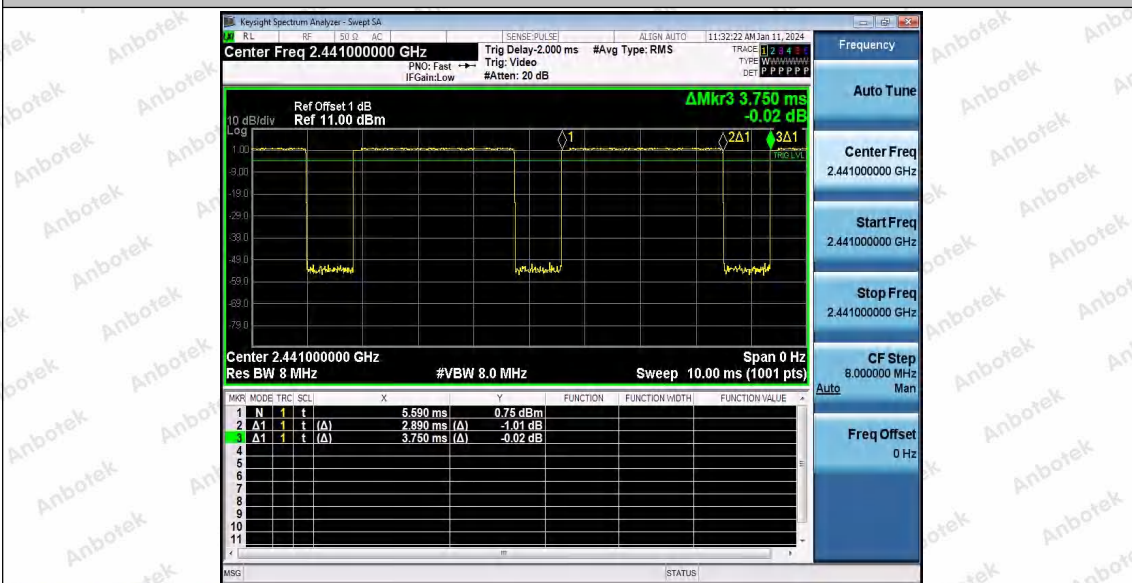




2DH5_Ant1_2402



2DH5_Ant1_2441

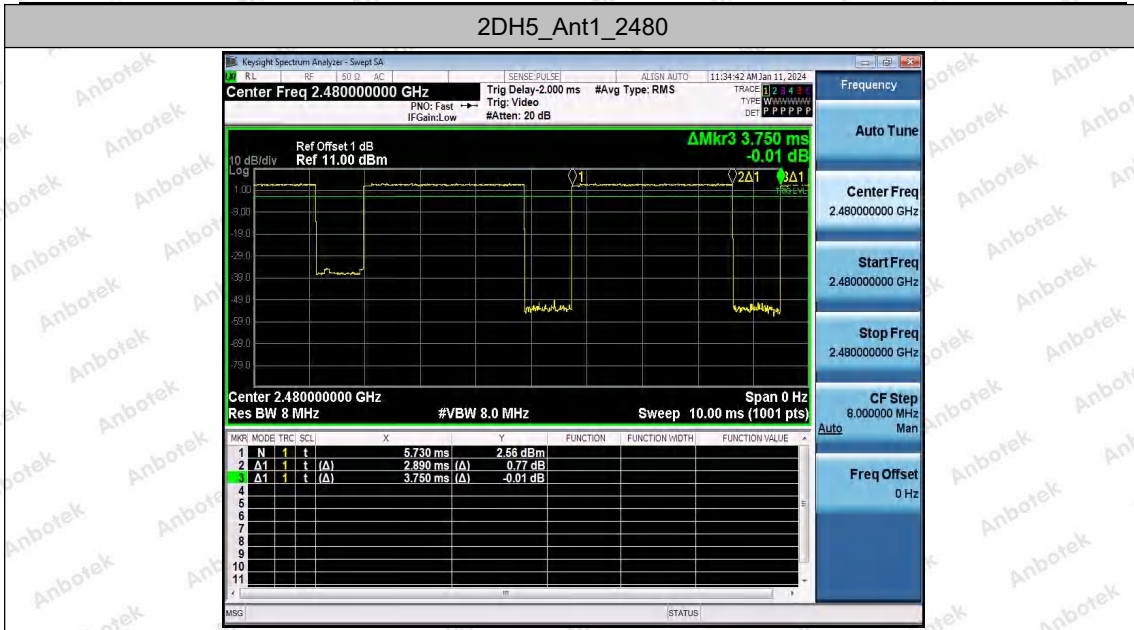


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