

## Appendix Test Data

Report No.:	18220WC40012501	Test Sample No.:	1-2-2
Start Test Date:	2024.1.22	Finish Test Date:	2024.02.04
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	45%
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	1.032	2401.499	2402.531	---	---
		2441	1.041	2440.499	2441.540	---	---
		2480	1.041	2479.499	2480.540	---	---
2DH5	Ant1	2402	1.329	2401.358	2402.687	---	---
		2441	1.338	2440.355	2441.693	---	---
		2480	1.332	2479.358	2480.690	---	---

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## Test Graphs

DH5\_Ant1\_2402



DH5\_Ant1\_2441



DH5\_Ant1\_2480





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	0.87957	2401.5907	2402.4703	---	---
		2441	0.86939	2440.5871	2441.4565	---	---
		2480	0.88516	2479.5883	2480.4734	---	---
2DH5	Ant1	2402	1.1815	2401.4391	2402.6206	---	---
		2441	1.1928	2440.4318	2441.6246	---	---
		2480	1.1861	2479.4348	2480.6209	---	---

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## Test Graphs

DH5\_Ant1\_2402



DH5\_Ant1\_2441

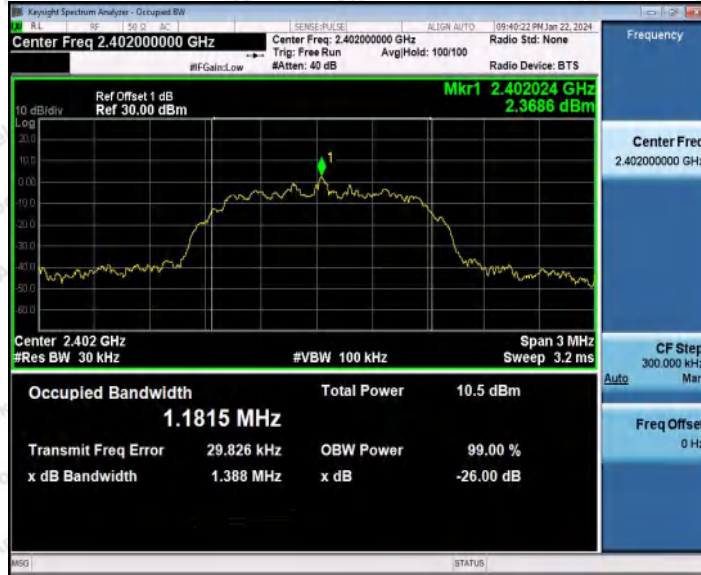


DH5\_Ant1\_2480





2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

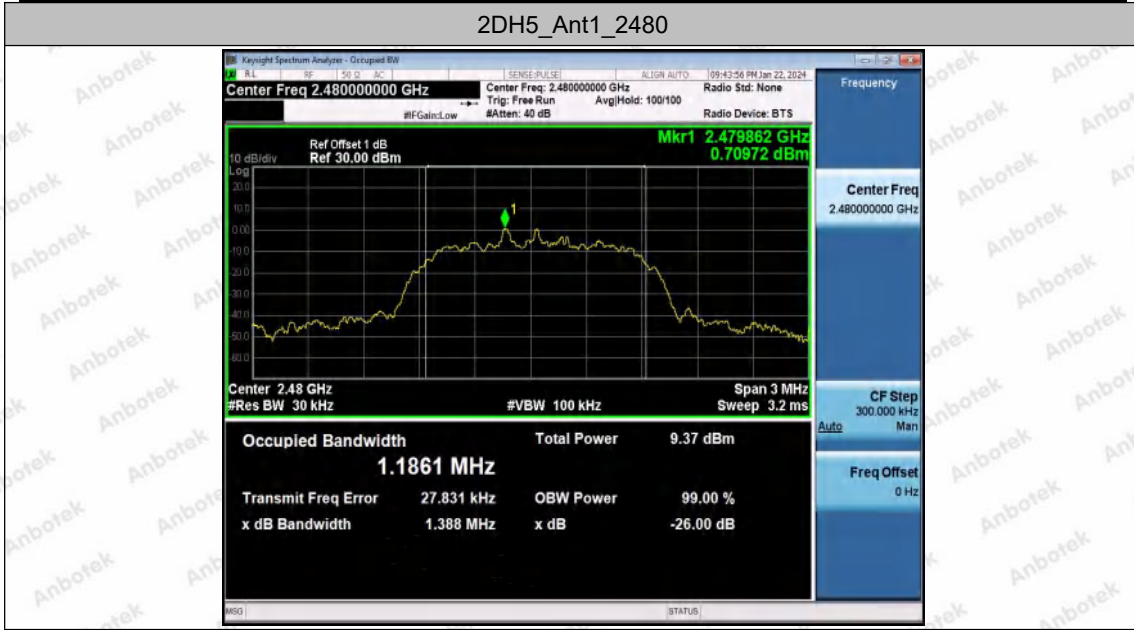


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## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.51	≤20.97	PASS
		2441	4.09	≤20.97	PASS
		2480	3.24	≤20.97	PASS
2DH5	Ant1	2402	<b>5.29</b>	≤20.97	PASS
		2441	4.9	≤20.97	PASS
		2480	4.07	≤20.97	PASS



## Test Graphs

DH5\_Ant1\_2402



DH5\_Ant1\_2441



DH5\_Ant1\_2480





2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

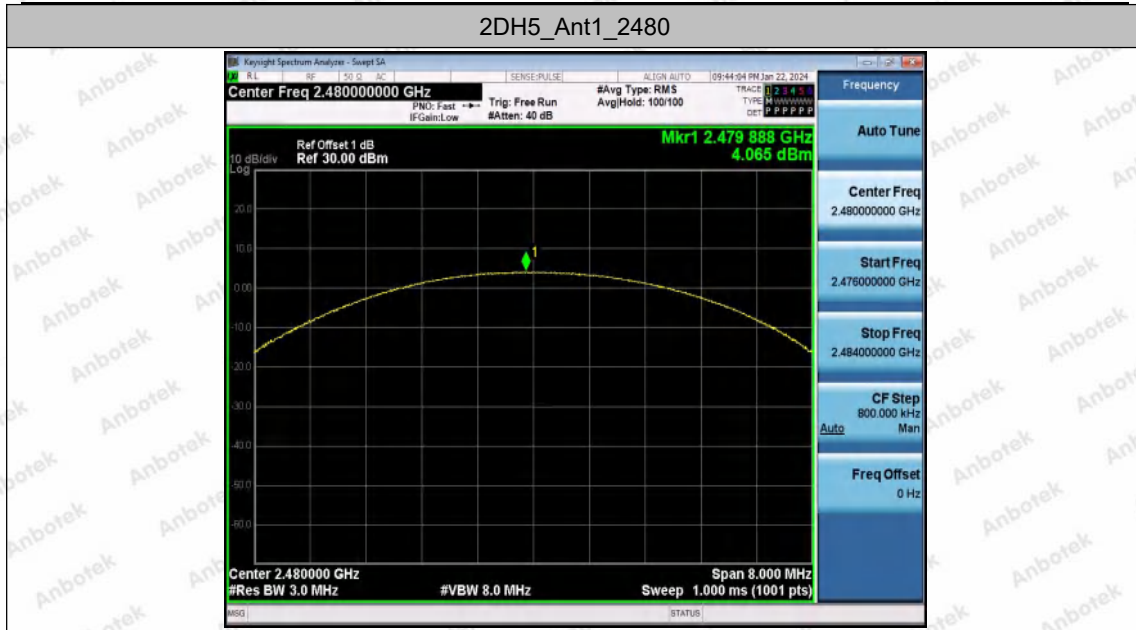


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## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.024	≥0.694	PASS
2DH5	Ant1	Hop	1.054	≥0.892	PASS

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## 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	0.381	319	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.638	161	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.884	92	0.265	≤0.4	PASS
2DH1	Ant1	Hop	0.390	317	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.643	160	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.891	103	0.298	≤0.4	PASS

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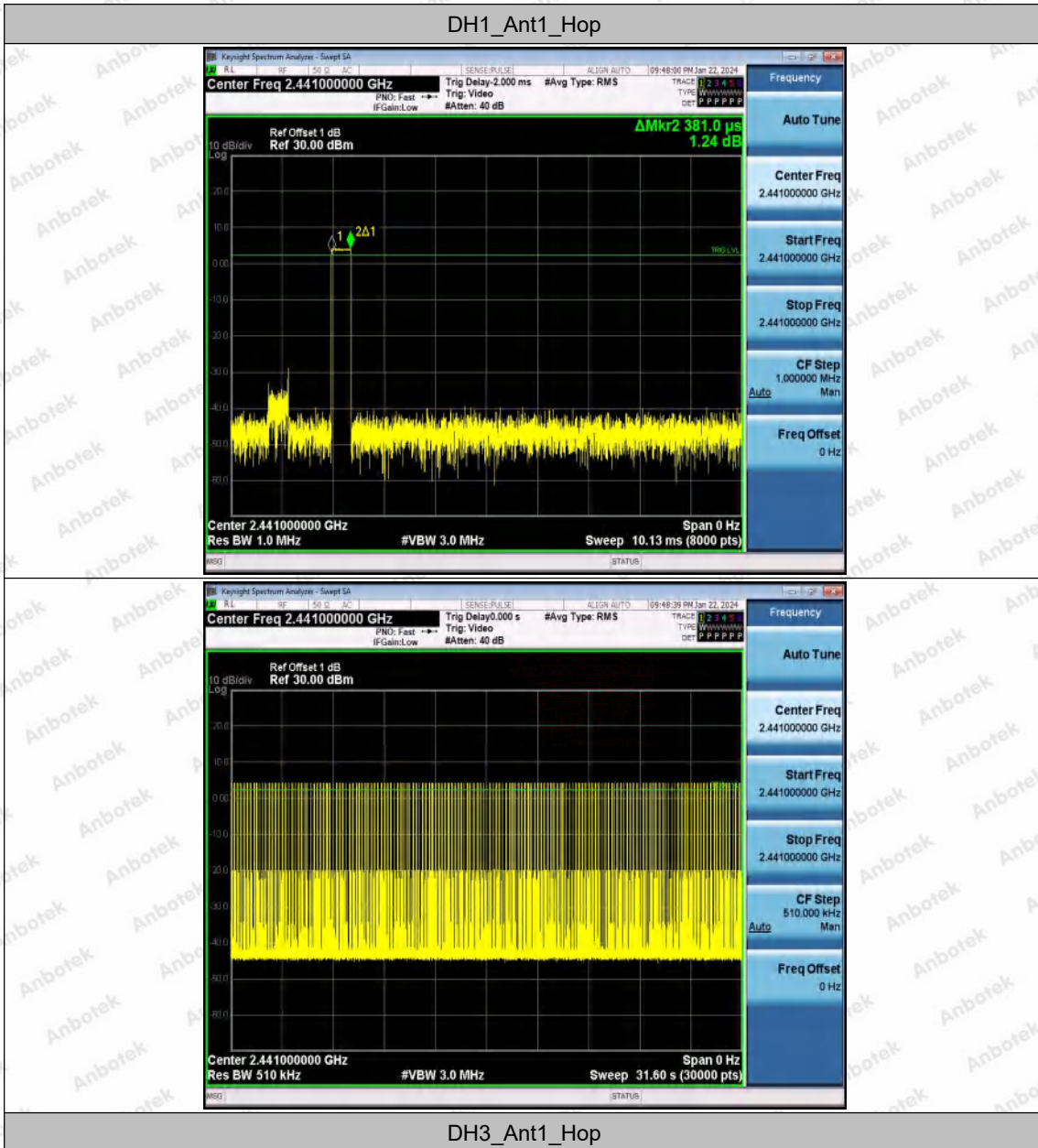
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## Test Graphs



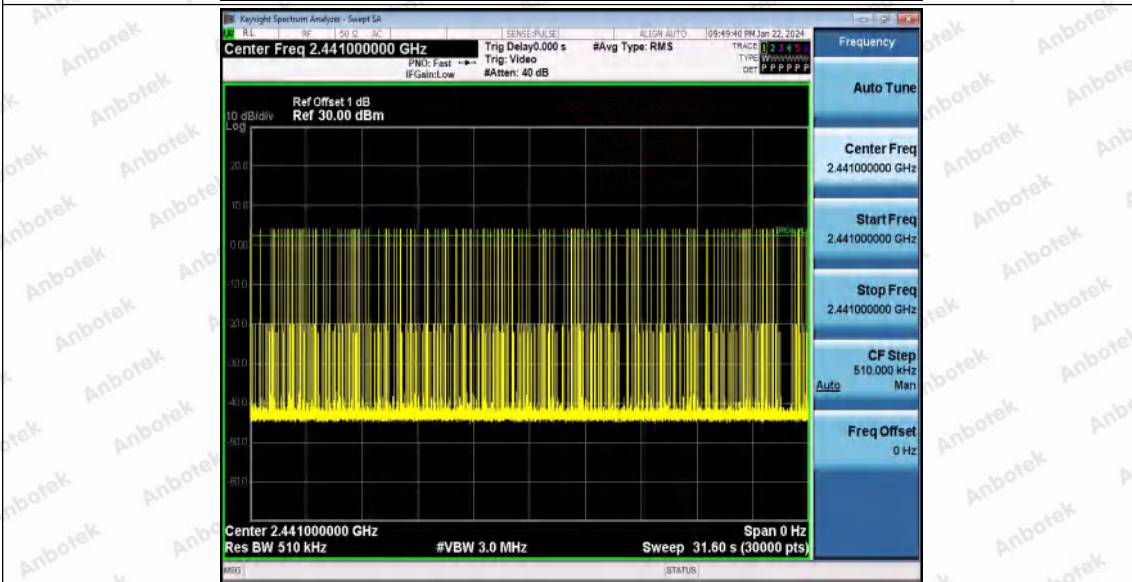
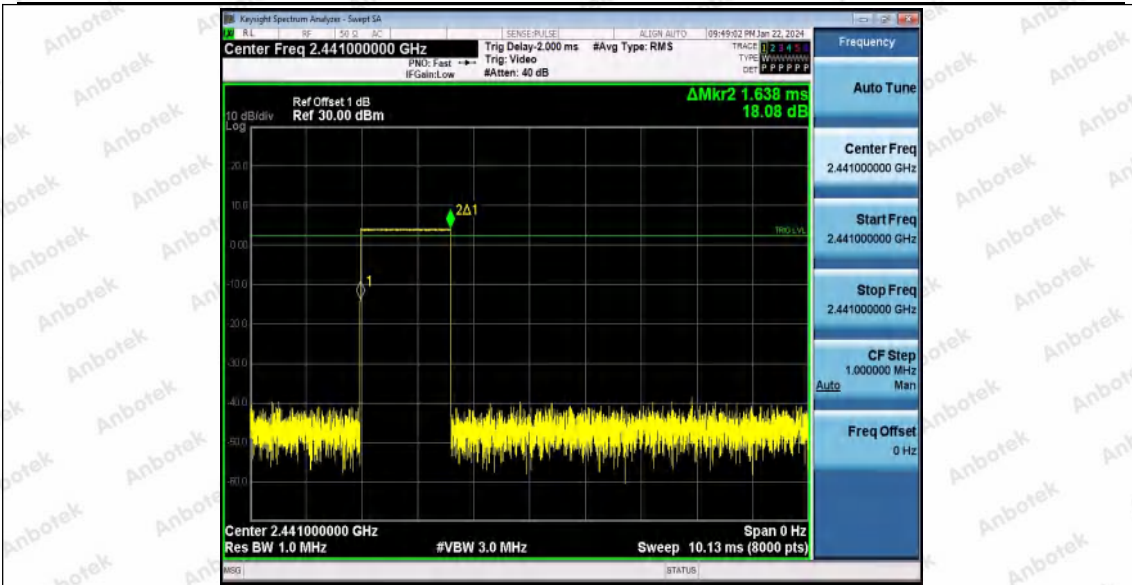
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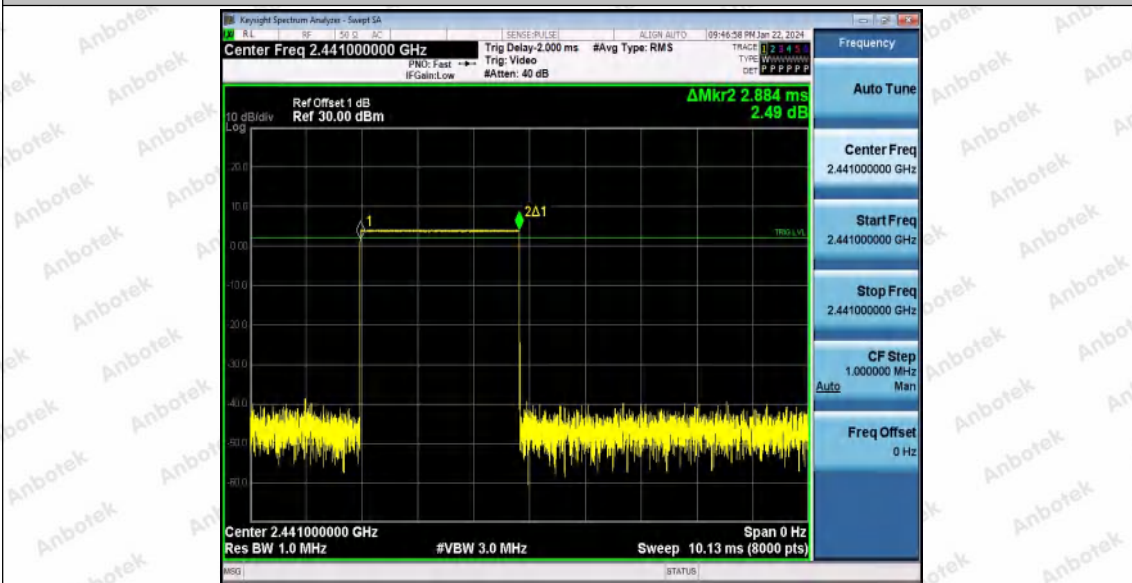
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DH5\_Ant1\_Hop

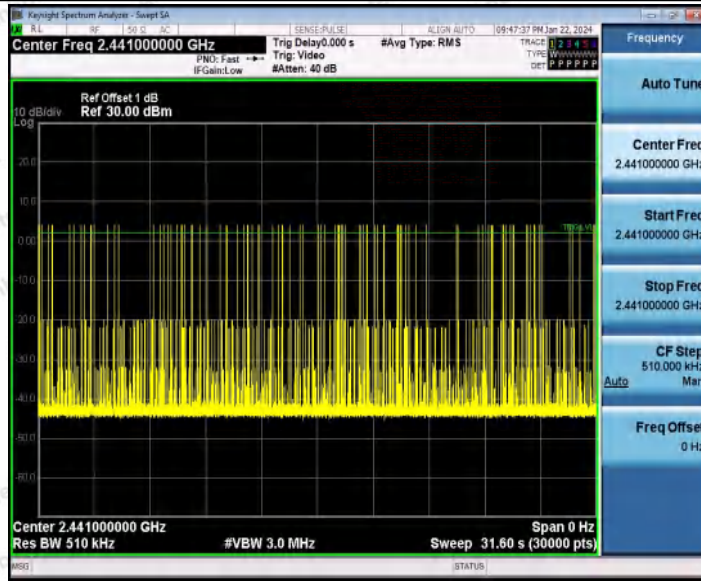


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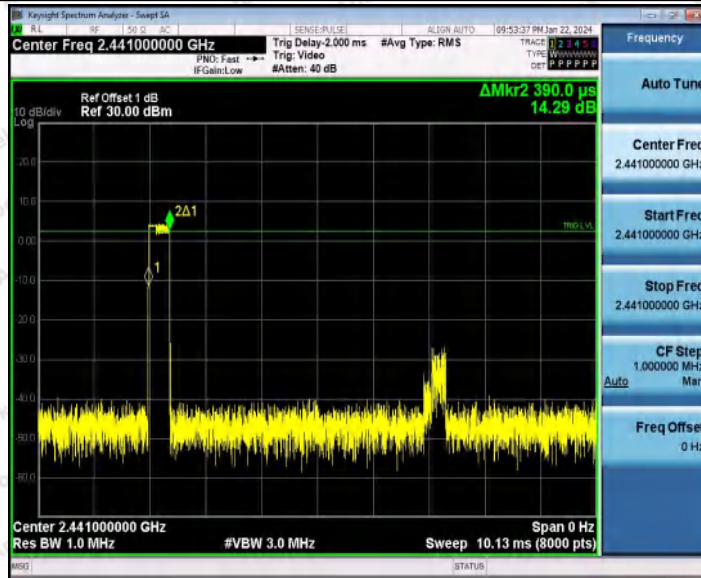
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2DH1\_Ant1\_Hop



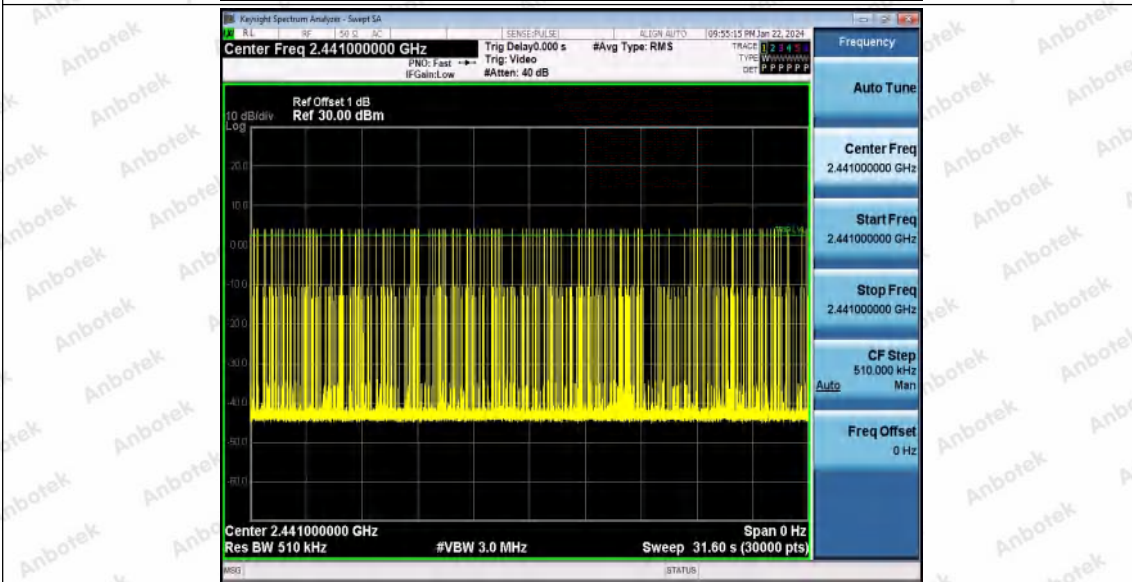
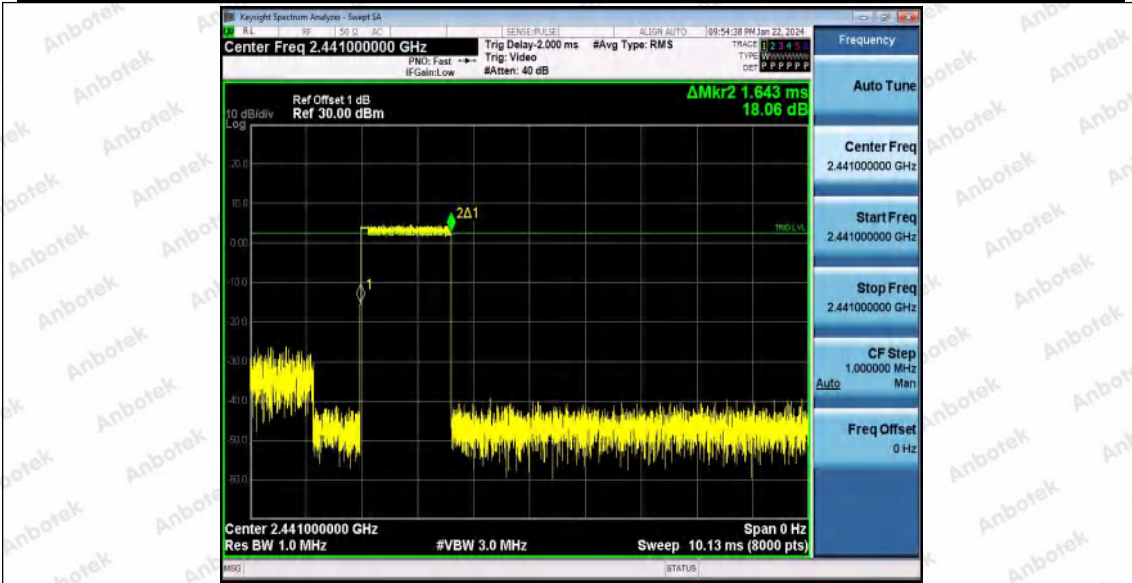
2DH3\_Ant1\_Hop

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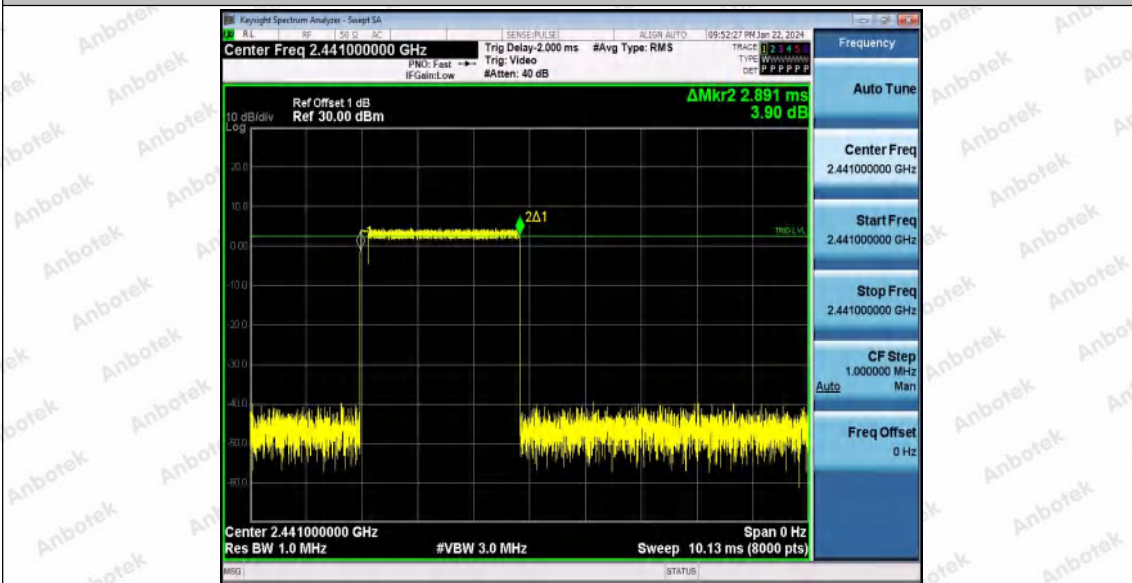
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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2DH5\_Ant1\_Hop

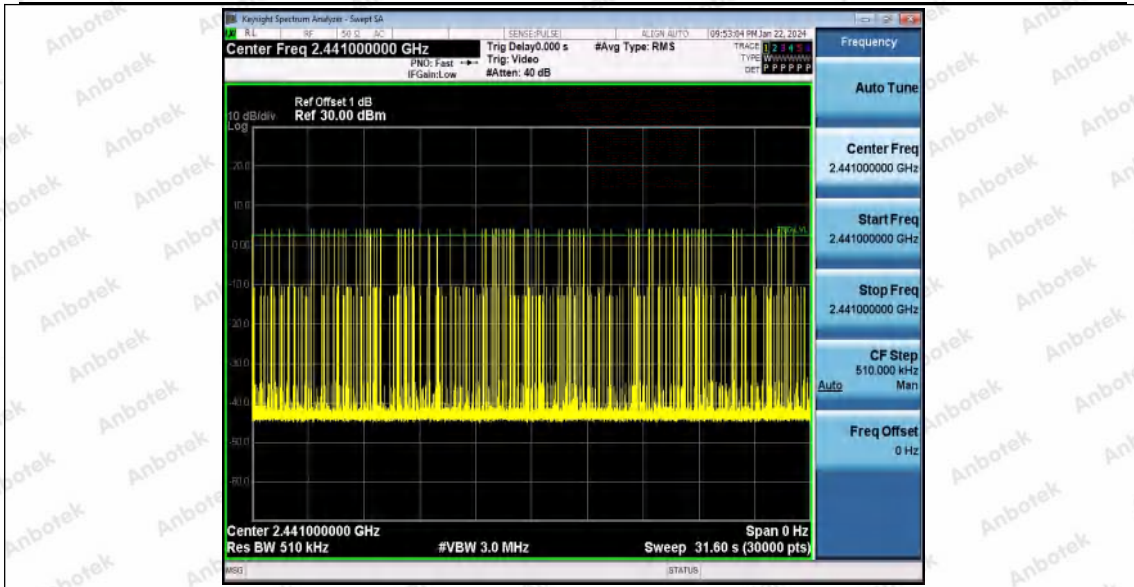


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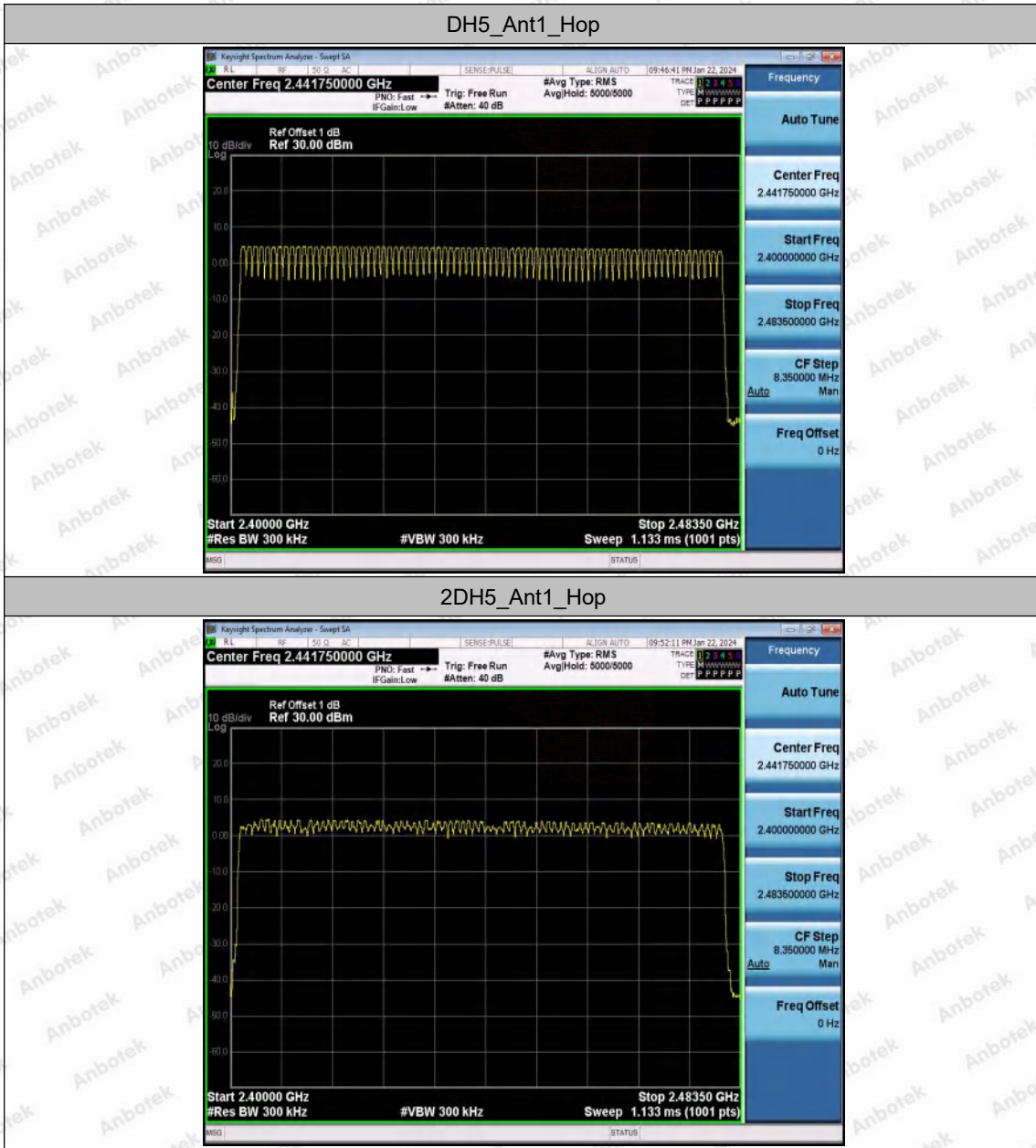
## Appendix F: Number of hopping channels

### 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

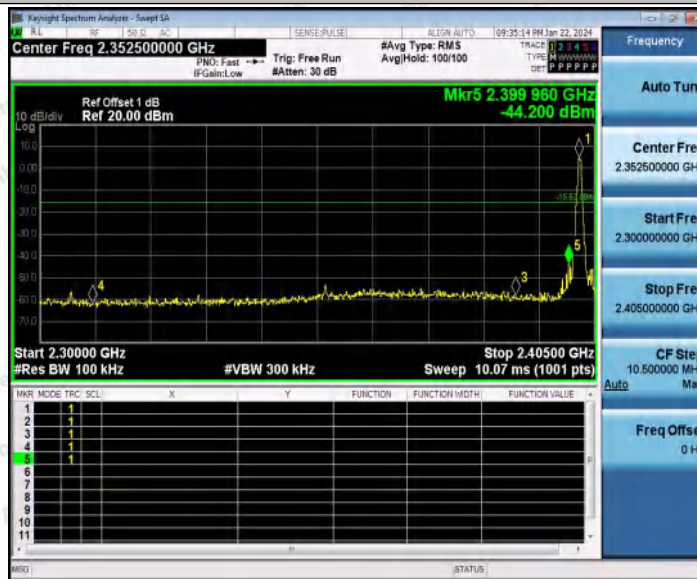
### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.37	-44.2	≤-15.63	PASS
		High	2480	2.94	-53.22	≤-17.06	PASS
		Low	Hop_2402	4.16	-53.04	≤-15.84	PASS
		High	Hop_2480	3.17	-52.78	≤-16.83	PASS
2DH5	Ant1	Low	2402	3.87	-48.92	≤-16.13	PASS
		High	2480	2.74	-55.38	≤-17.26	PASS
		Low	Hop_2402	2.88	-54.63	≤-17.12	PASS
		High	Hop_2480	0.27	-54.72	≤-19.74	PASS

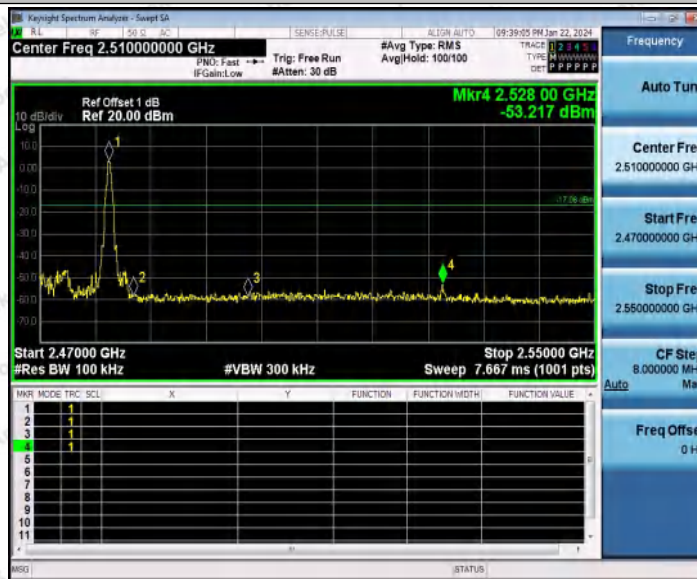


## Test Graphs

DH5\_Ant1\_Low\_2402



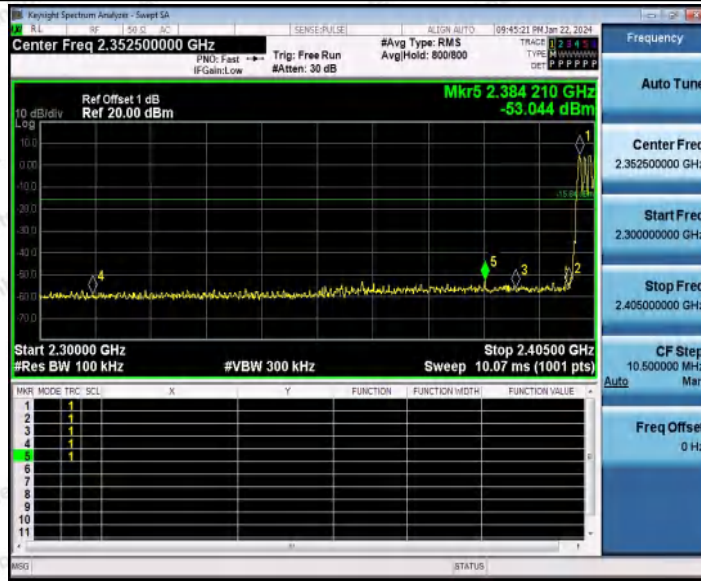
DH5\_Ant1\_High\_2480



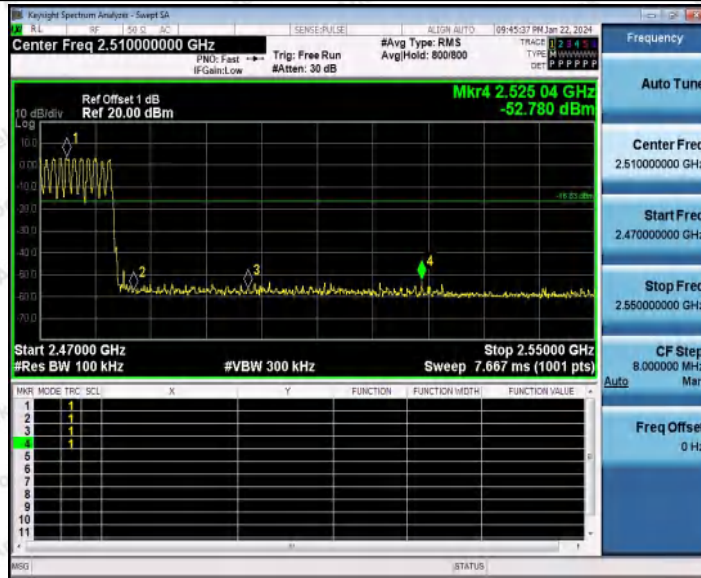
DH5\_Ant1\_Low\_Hop\_2402



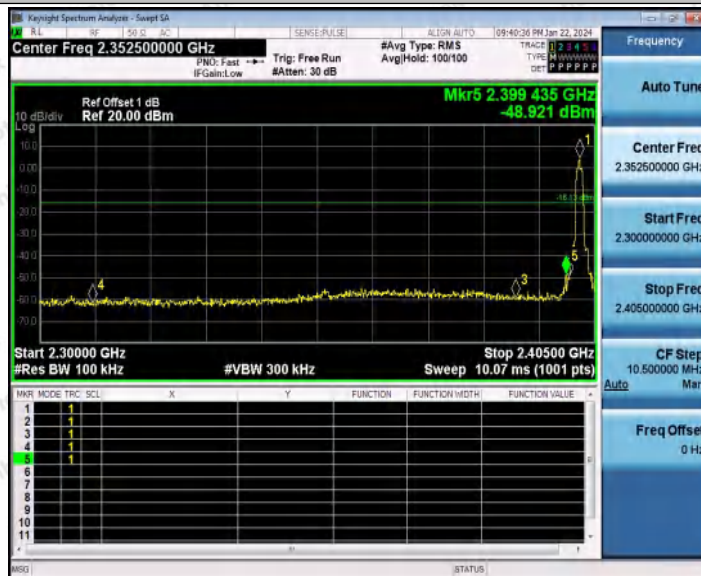




DH5\_Ant1\_High\_Hop\_2480



2DH5\_Ant1\_Low\_2402



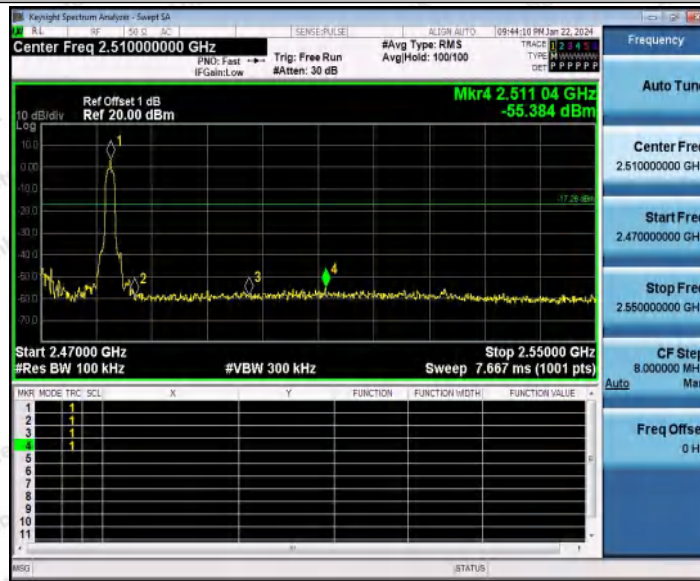
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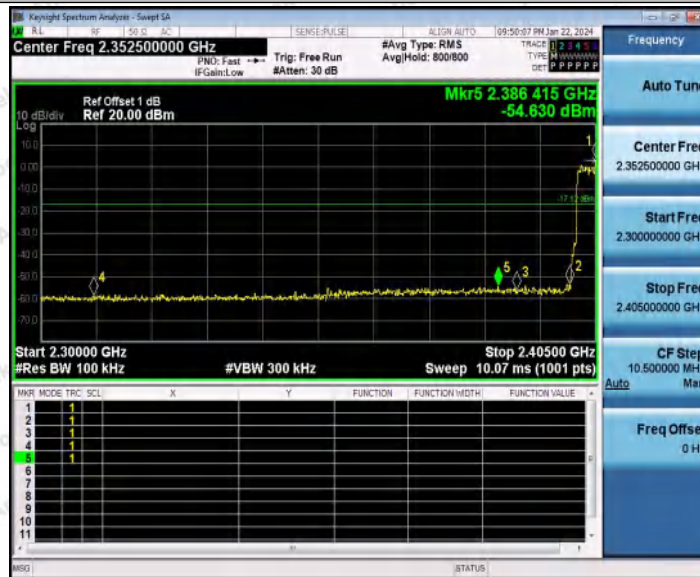
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2DH5\_Ant1\_High\_2480



2DH5\_Ant1\_Low\_Hop\_2402



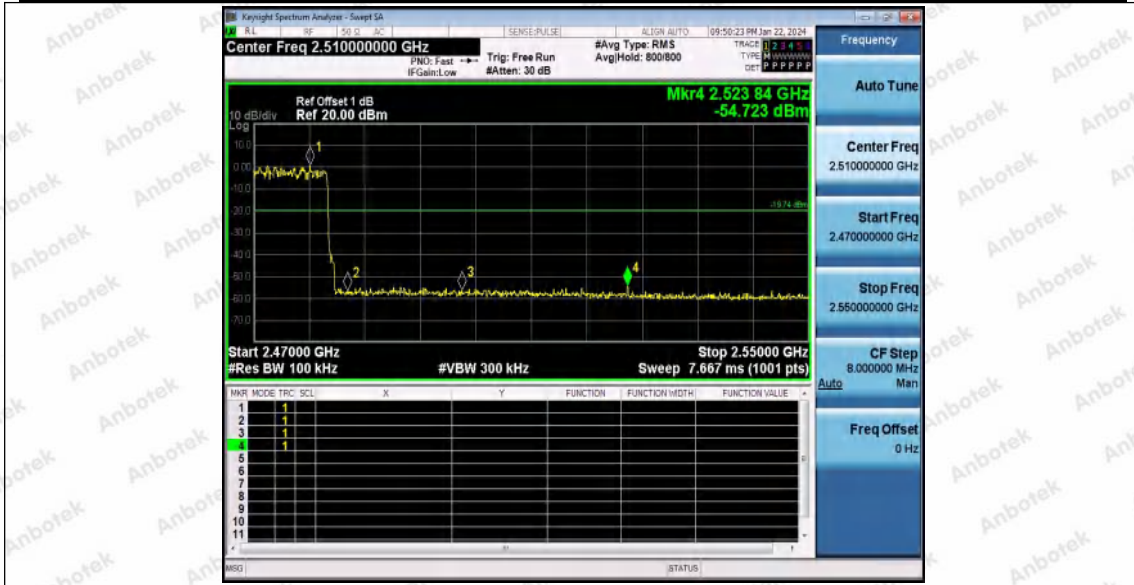
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## Appendix H: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.85	3.85	---	PASS
			30~1000	3.85	-69.74	≤-16.15	PASS
			1000~26500	3.85	-37.5	≤-16.15	PASS
		2441	Reference	3.42	3.42	---	PASS
			30~1000	3.42	-68.67	≤-16.58	PASS
			1000~26500	3.42	-35.11	≤-16.58	PASS
		2480	Reference	2.96	2.96	---	PASS
			30~1000	2.96	-69.27	≤-17.04	PASS
			1000~26500	2.96	-36.66	≤-17.04	PASS
2DH5	Ant1	2402	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-68.81	≤-19.12	PASS
			1000~26500	0.88	-36.09	≤-19.12	PASS
		2441	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-68.22	≤-19.21	PASS
			1000~26500	0.79	-34.99	≤-19.21	PASS
		2480	Reference	-0.19	-0.19	---	PASS
			30~1000	-0.19	-69.58	≤-20.19	PASS
			1000~26500	-0.19	-36.66	≤-20.19	PASS

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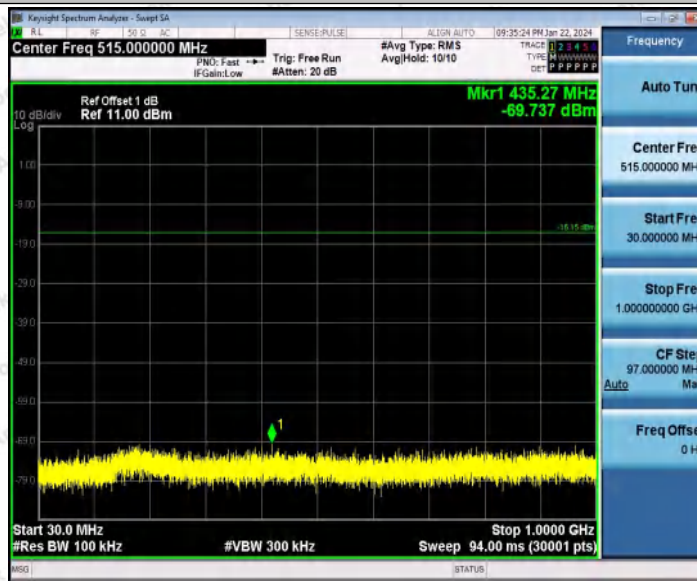


## Test Graphs

DH5\_Ant1\_2402\_0~Reference



DH5\_Ant1\_2402\_30~1000



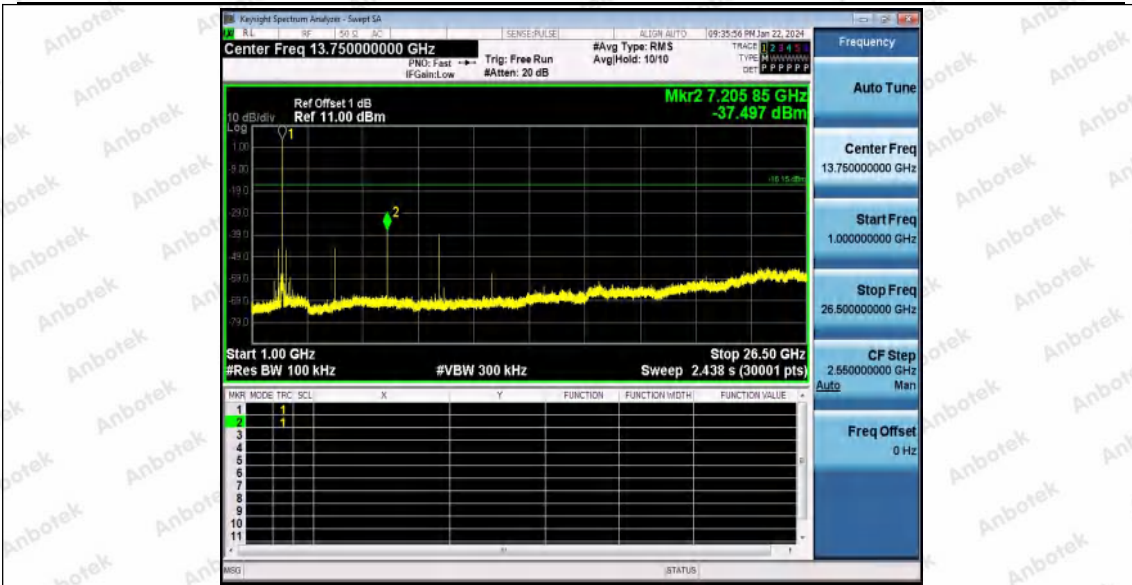
DH5\_Ant1\_2402\_1000~26500

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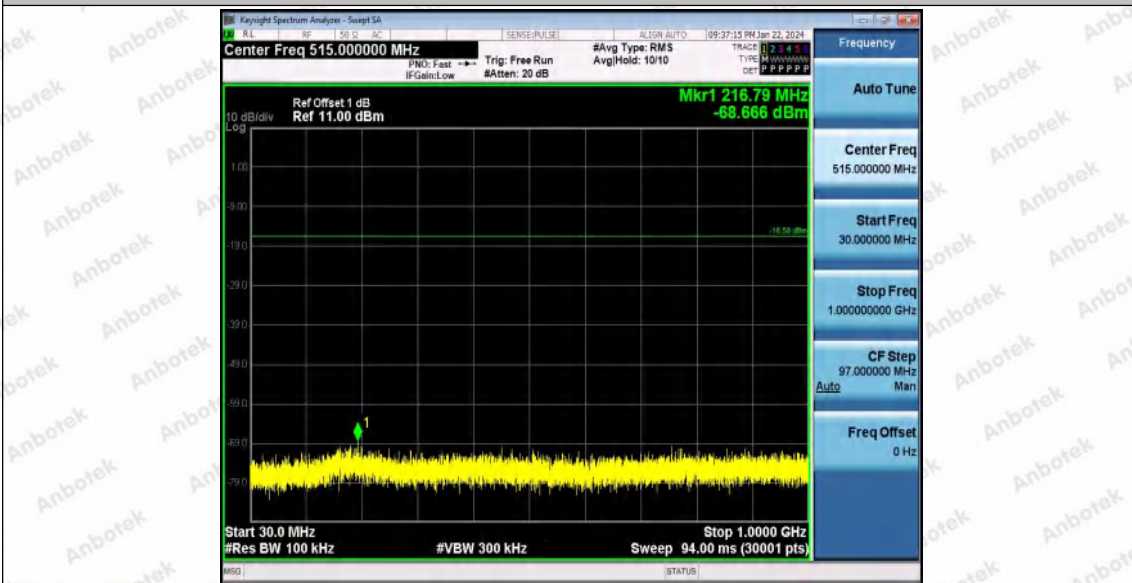




DH5\_Ant1\_2441\_0~Reference



DH5\_Ant1\_2441\_30~1000



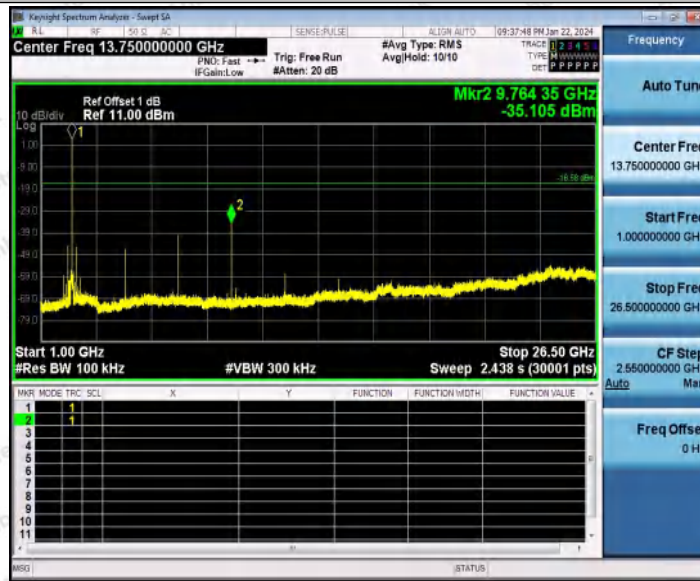
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DH5\_Ant1\_2441\_1000~26500



DH5\_Ant1\_2480\_0~Reference



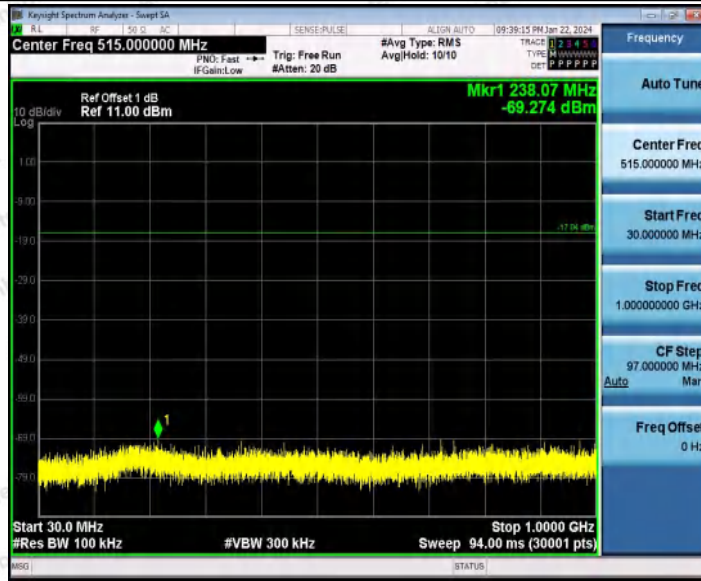
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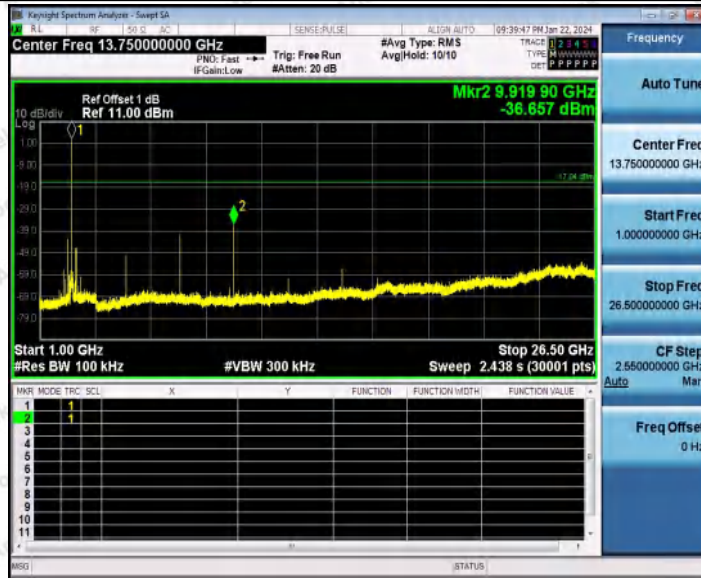
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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DH5\_Ant1\_2480\_1000~26500



2DH5\_Ant1\_2402\_0~Reference



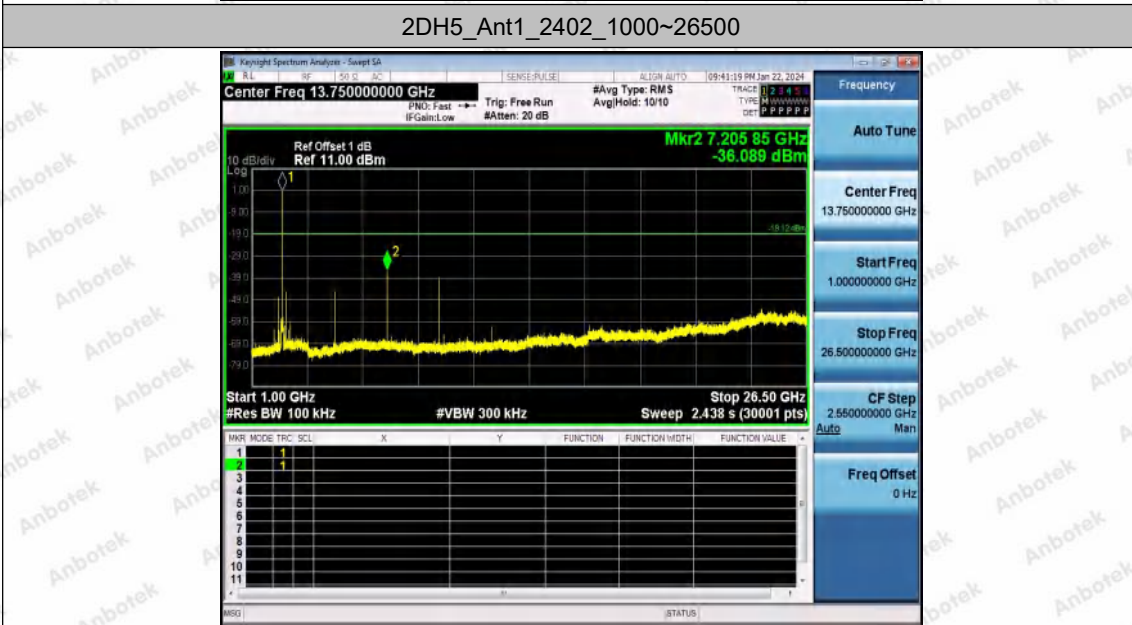
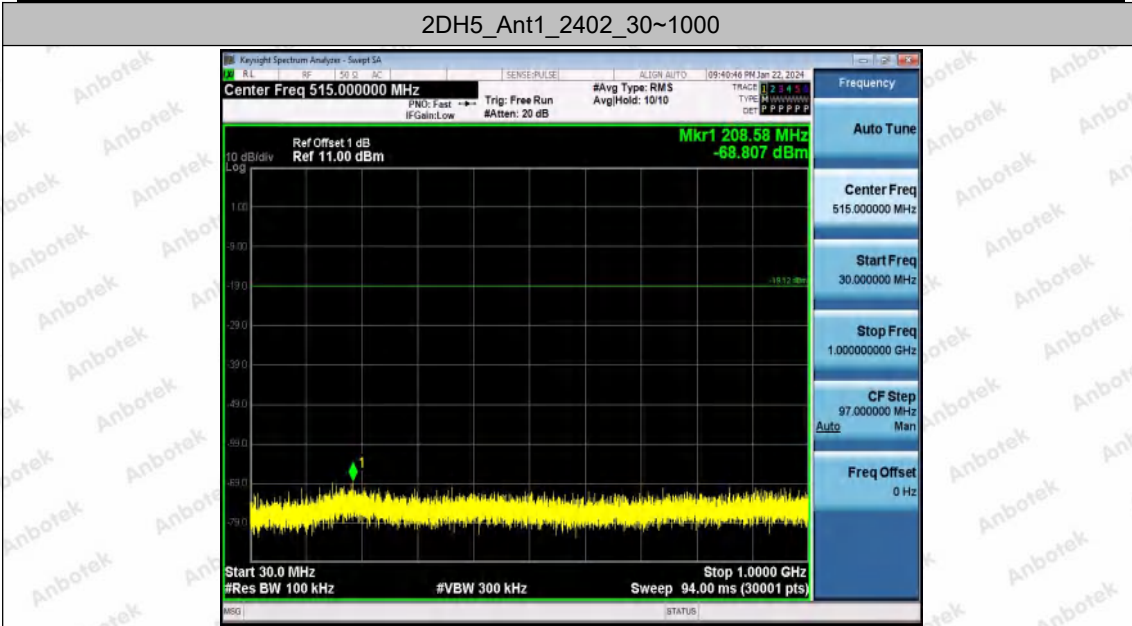
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2DH5\_Ant1\_2441\_0~Reference

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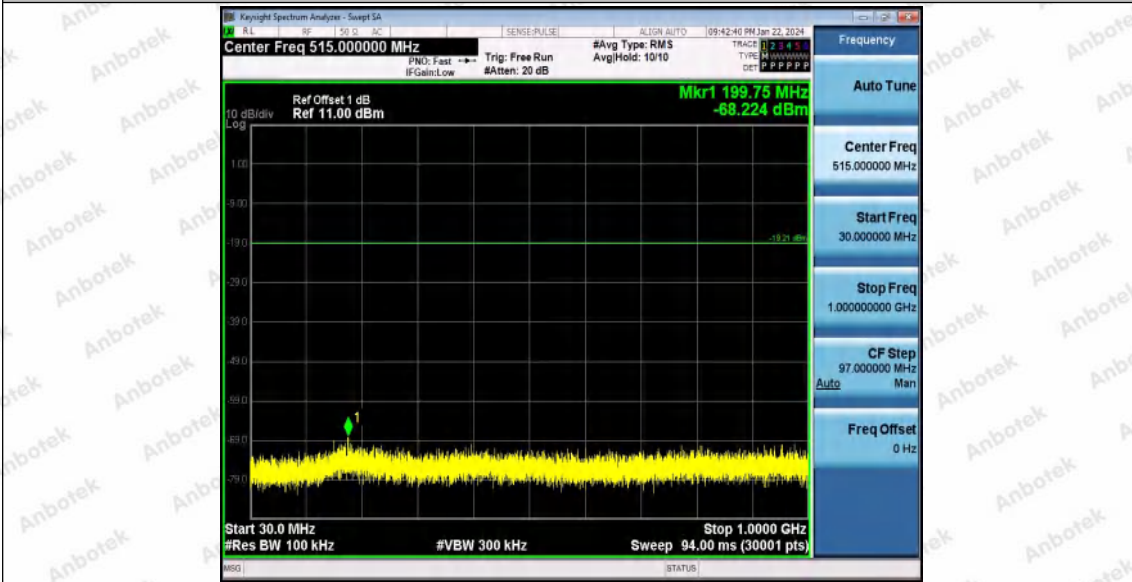
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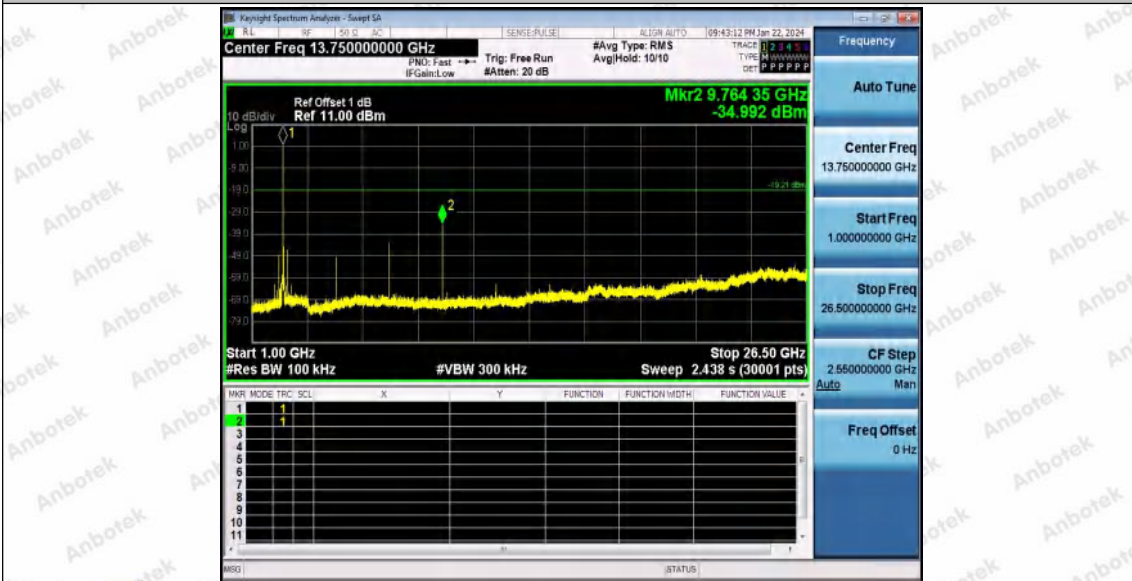




2DH5\_Ant1\_2441\_30~1000



2DH5\_Ant1\_2441\_1000~26500



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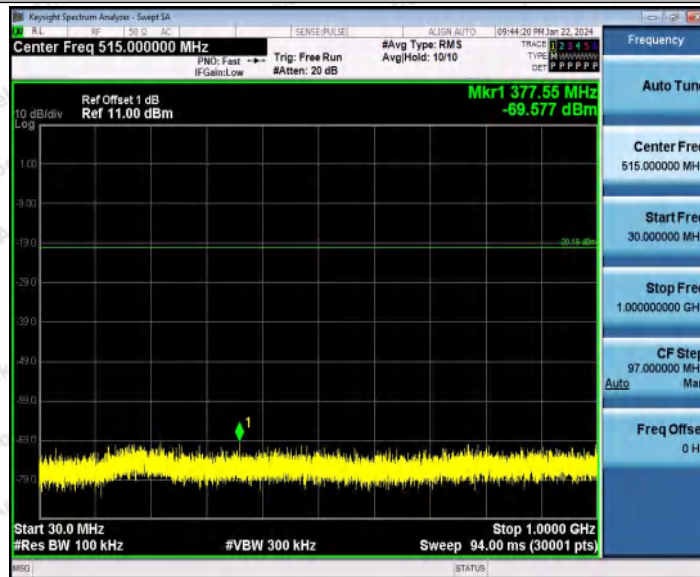
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2DH5\_Ant1\_2480\_0~Reference



2DH5\_Ant1\_2480\_30~1000



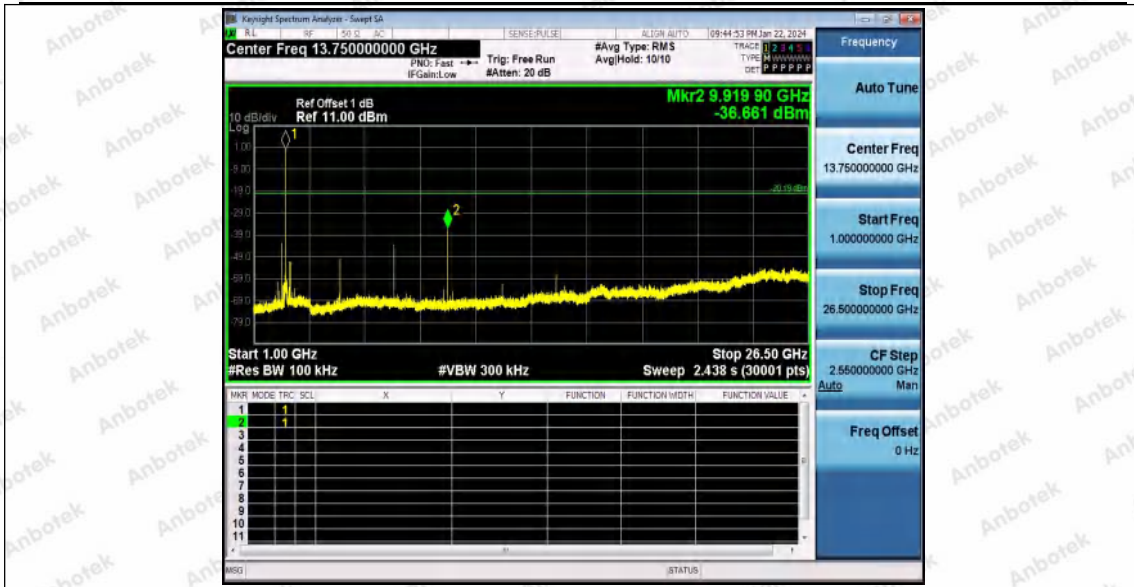
2DH5\_Ant1\_2480\_1000~26500

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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	3.75	76.80	1.15
		2441	2.88	3.75	76.80	1.15
		2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.74	77.27	1.12
		2441	2.89	3.75	77.07	1.13
		2480	2.90	3.76	77.13	1.13

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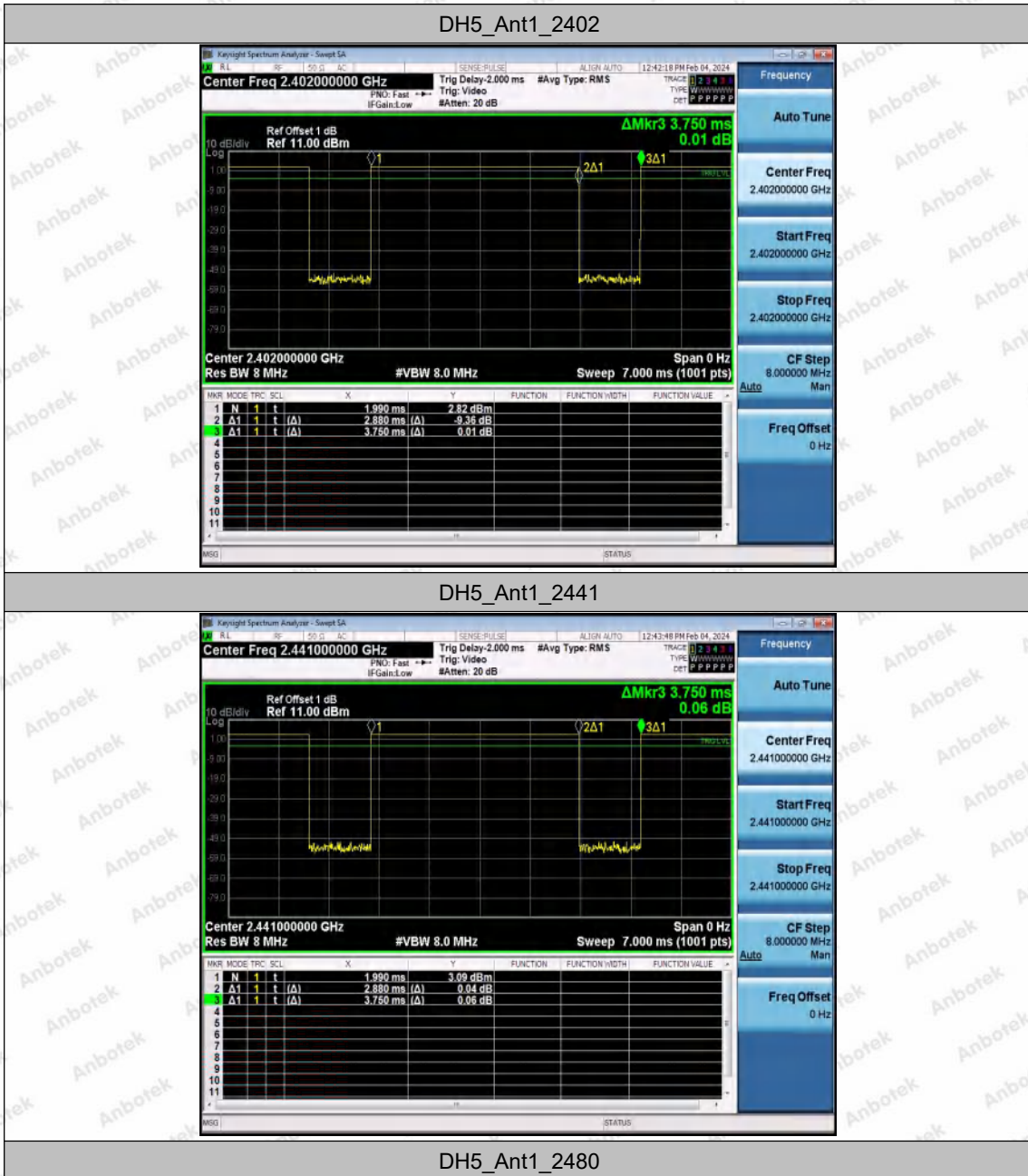
Hotline

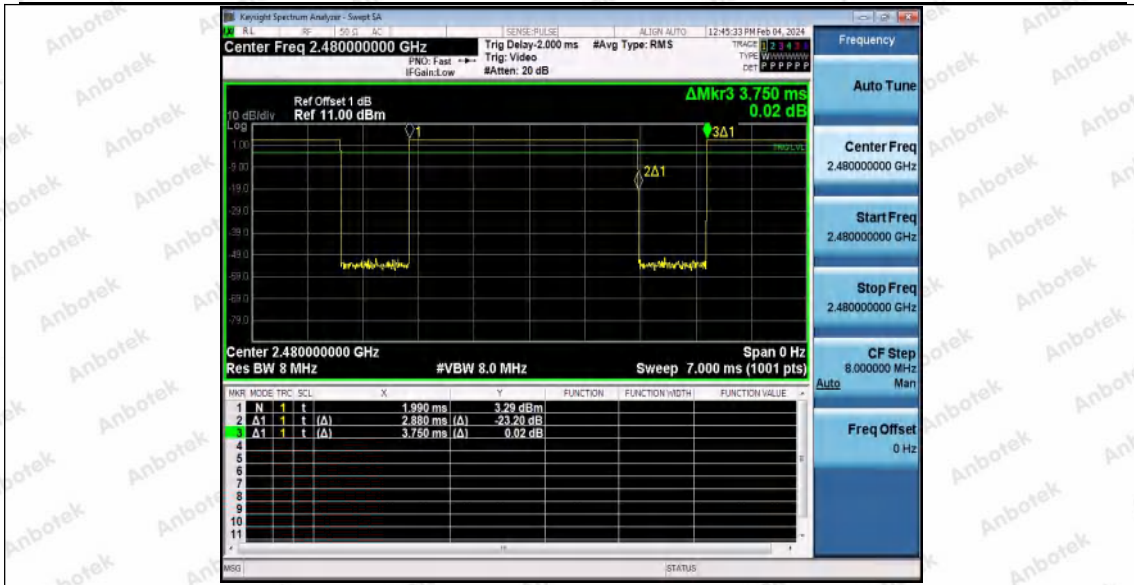
400-003-0500

www.anbotek.com.cn

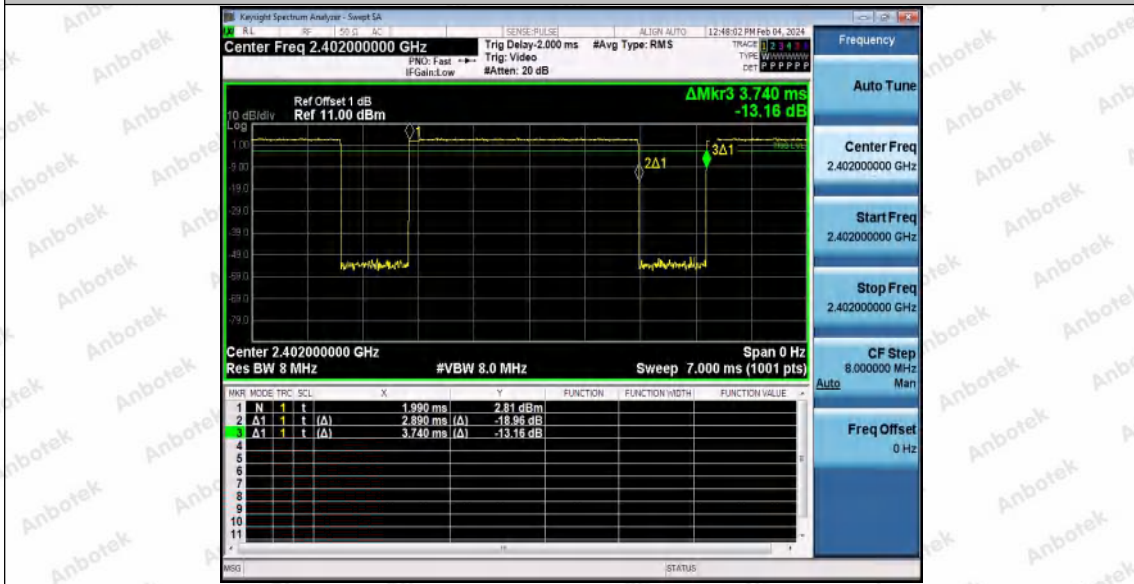


## Test Graphs

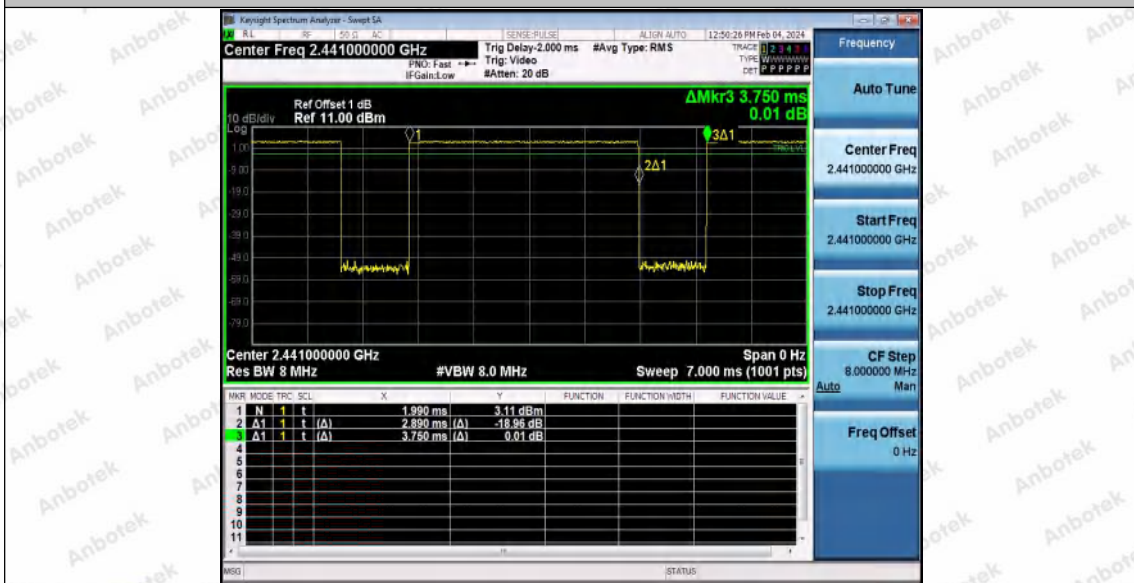




2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

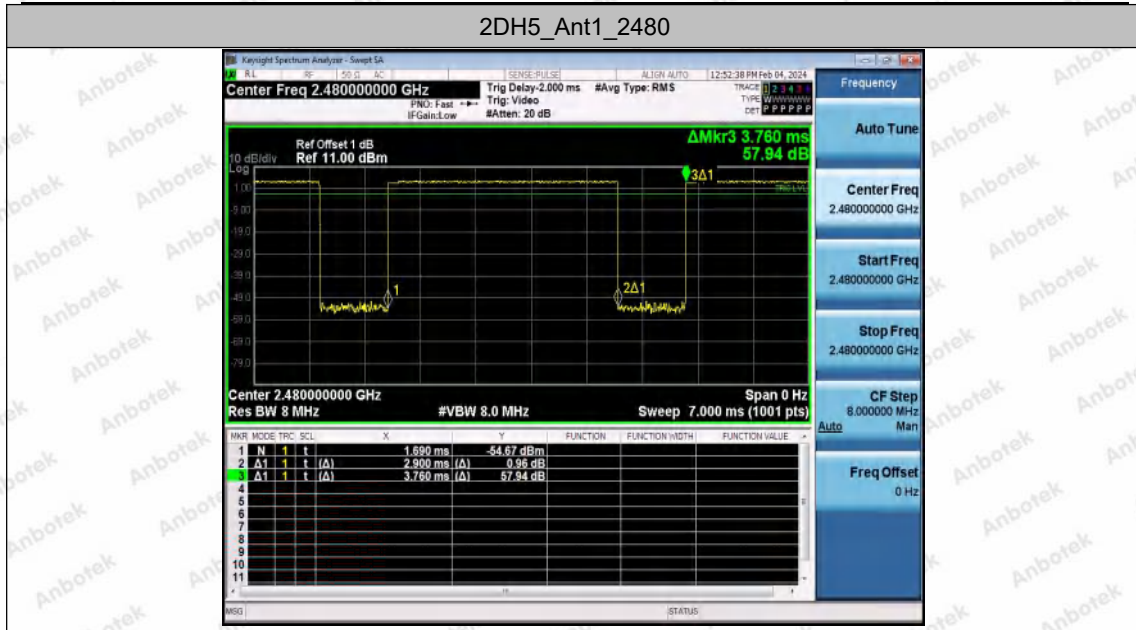


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