

## Appendix Test Data

Report No.:	18220WC30120201	Test Sample No.:	1-2-2
Start Test Date:	2023.06.15	Finish Test Date:	2023.06.15
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	26.0°C	Relative Humidity:	49%
Pressure:	1012 hPa		

## Appendix A: 20dB Emission Bandwidth

## Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.954	2401.523	2402.477
		2441	0.960	2440.520	2441.480
		2480	0.960	2479.520	2480.480
2DH5	Ant1	2402	1.326	2401.322	2402.648
		2441	1.284	2440.355	2441.639
		2480	1.344	2479.313	2480.657
3DH5	Ant1	2402	1.293	2401.337	2402.630
		2441	1.308	2440.334	2441.642
		2480	1.302	2479.340	2480.642

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## Test Graphs



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2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

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2DH5\_Ant1\_2480



3DH5\_Ant1\_2402

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3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

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## Appendix B: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.86507	2401.5562	2402.4213
		2441	0.84815	2440.5622	2441.4103
		2480	0.86628	2479.5534	2480.4197
2DH5	Ant1	2402	1.1778	2401.3960	2402.5738
		2441	1.1780	2440.3969	2441.5749
		2480	1.1833	2479.3967	2480.5800
3DH5	Ant1	2402	1.1883	2401.3934	2402.5817
		2441	1.1798	2440.4016	2441.5814
		2480	1.1899	2479.3943	2480.5842

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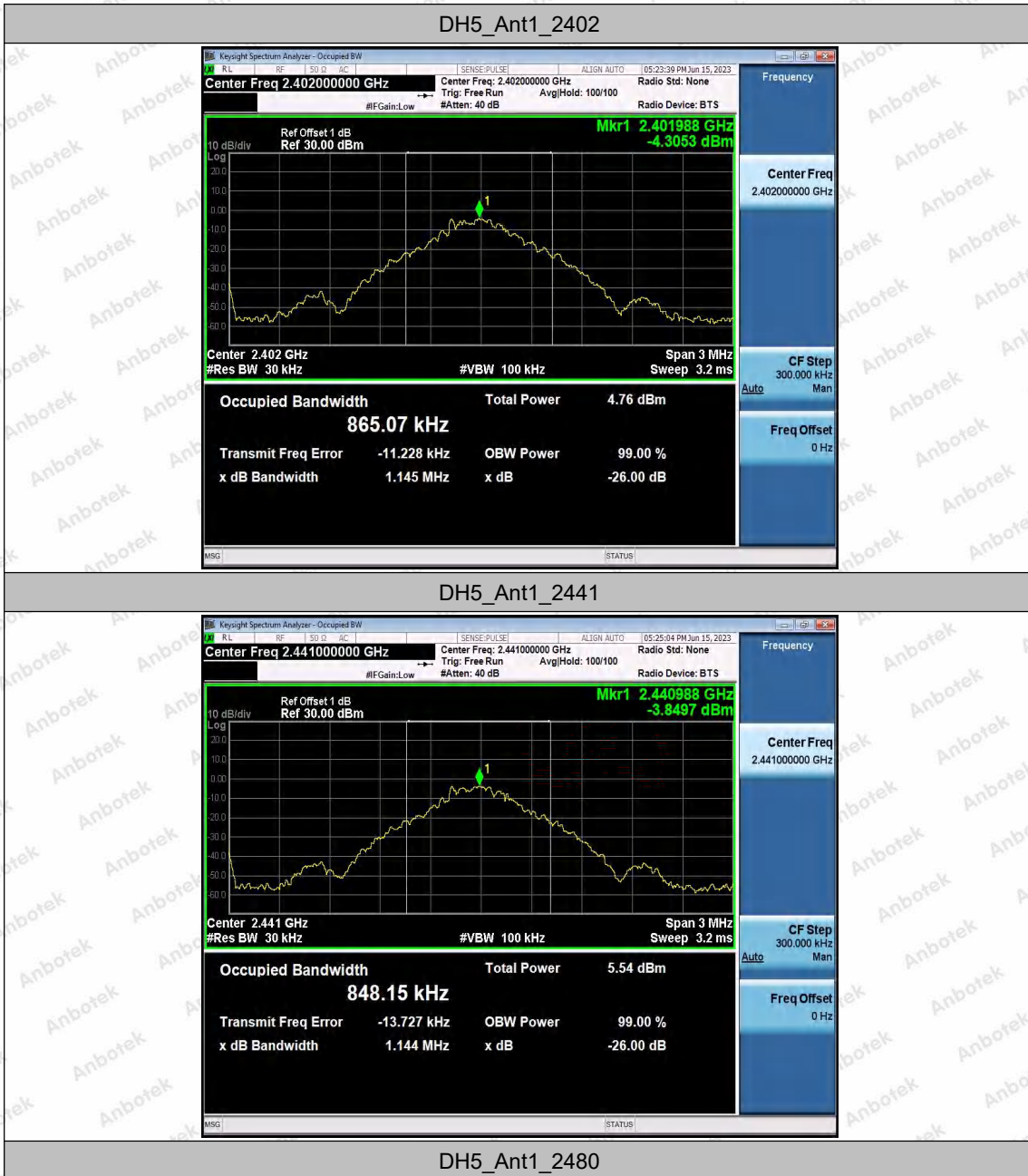
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## Test Graphs



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2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

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2DH5\_Ant1\_2480



3DH5\_Ant1\_2402

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3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

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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	-1.78	≤20.97	PASS
		2441	-1.23	≤20.97	PASS
		2480	-0.51	≤20.97	PASS
2DH5	Ant1	2402	-1.01	≤20.97	PASS
		2441	-0.43	≤20.97	PASS
		2480	0.37	≤20.97	PASS
3DH5	Ant1	2402	-0.54	≤20.97	PASS
		2441	0.00	≤20.97	PASS
		2480	<b>0.80</b>	≤20.97	PASS

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## Test Graphs



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2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

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2DH5\_Ant1\_2480



3DH5\_Ant1\_2402

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3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

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## Appendix D: Carrier frequency separation

### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥0.960	PASS
2DH5	Ant1	Hop	1.022	≥0.896	PASS
3DH5	Ant1	Hop	1.022	≥0.872	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	0.375	318	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.630	167	0.272	≤0.4	PASS
DH5	Ant1	Hop	2.879	99	0.285	≤0.4	PASS
2DH1	Ant1	Hop	0.384	316	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.637	153	0.250	≤0.4	PASS
2DH5	Ant1	Hop	2.884	99	0.286	≤0.4	PASS
3DH1	Ant1	Hop	0.385	318	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.635	157	0.257	≤0.4	PASS
3DH5	Ant1	Hop	2.887	117	0.338	≤0.4	PASS

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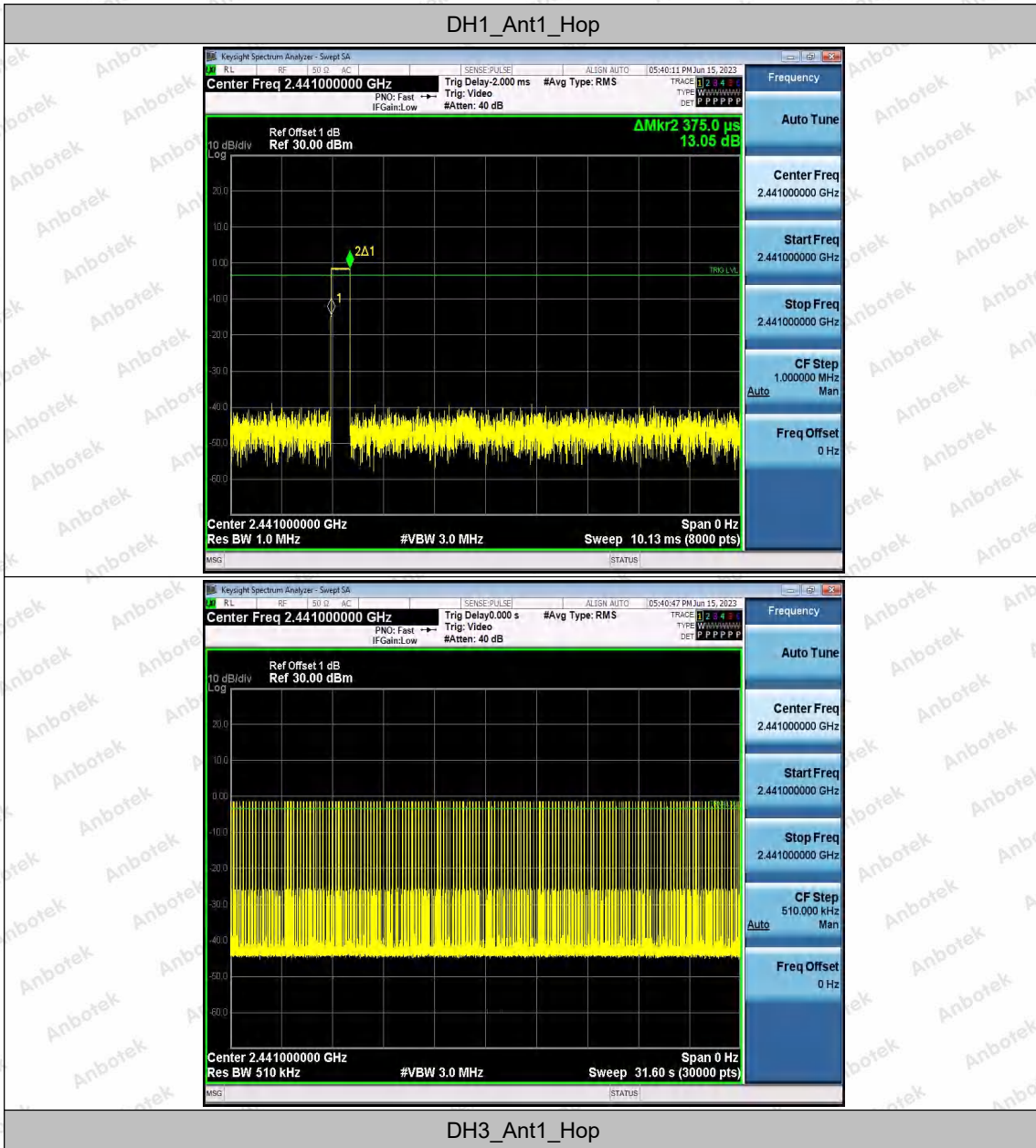


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## Test Graphs

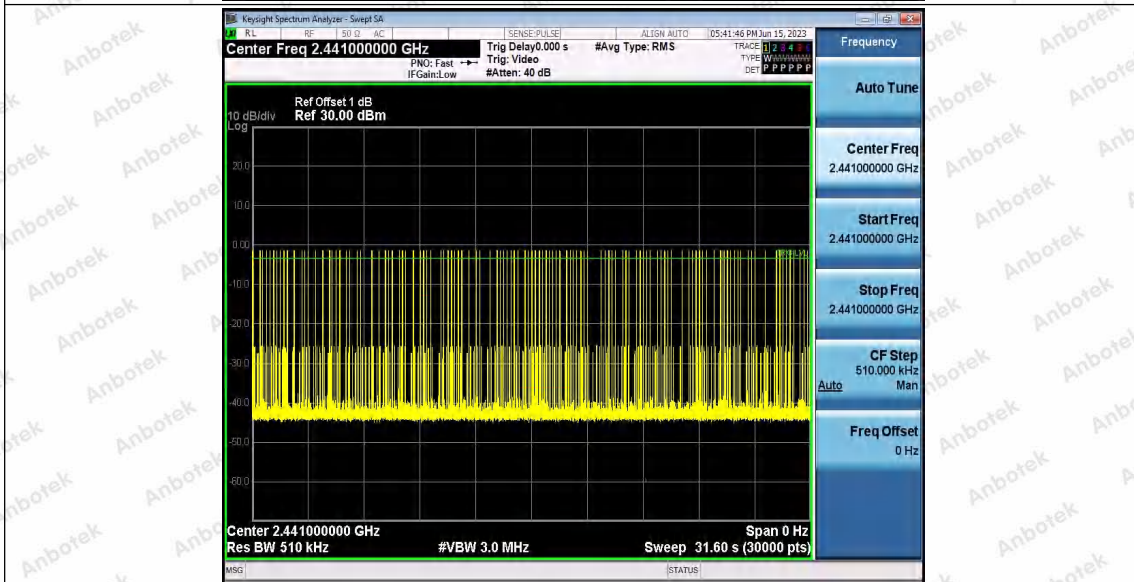
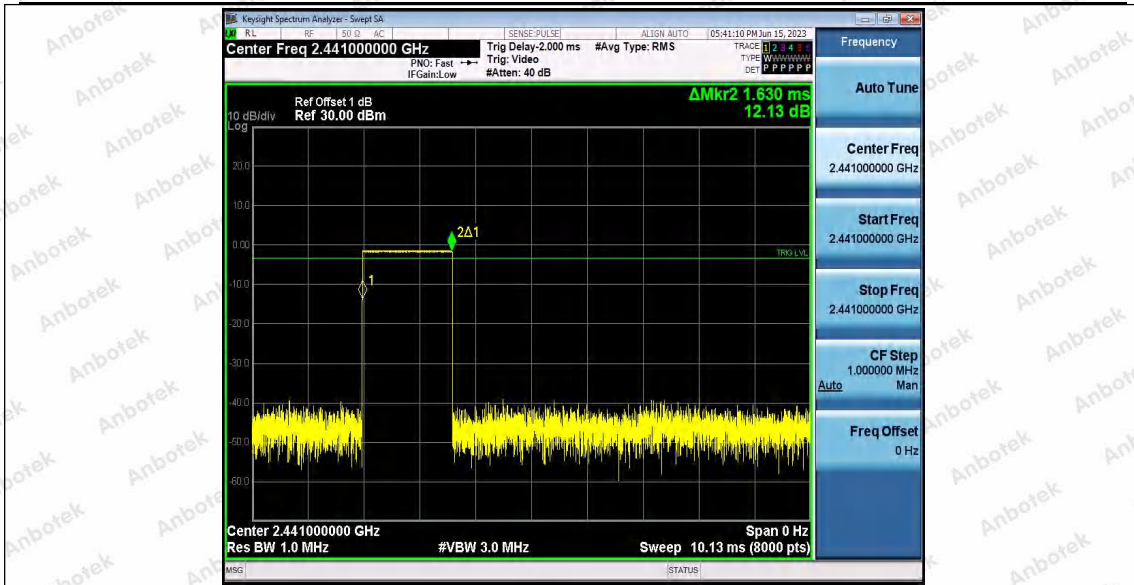


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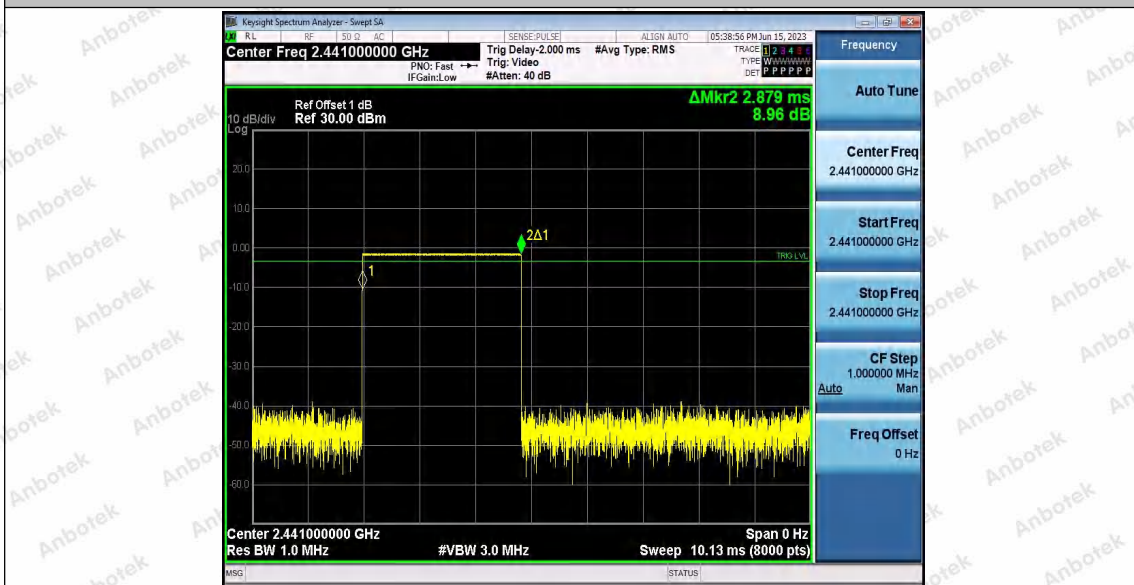
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DH5\_Ant1\_Hop



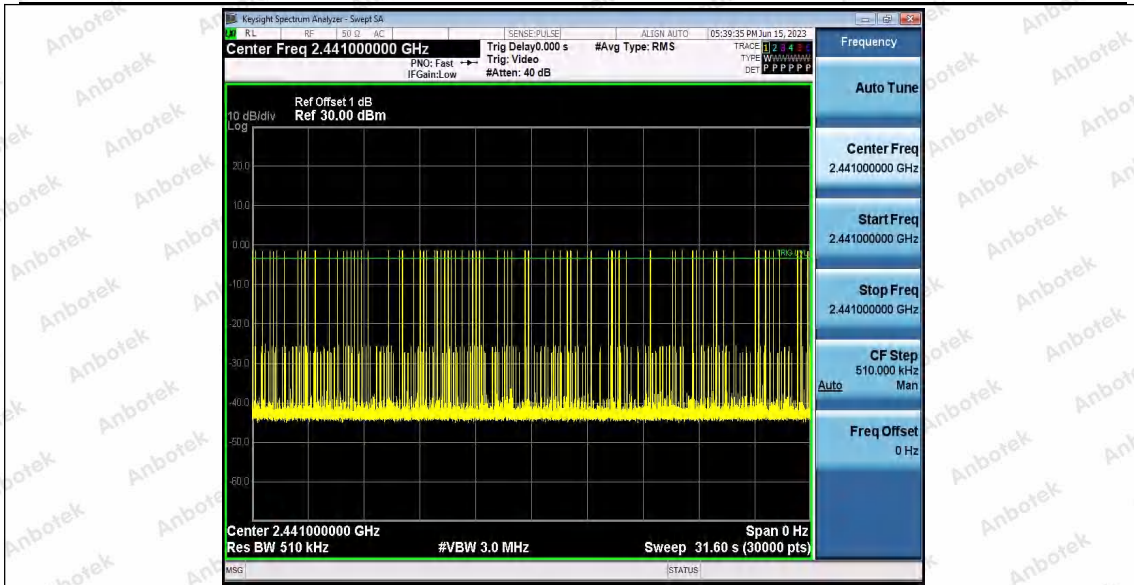
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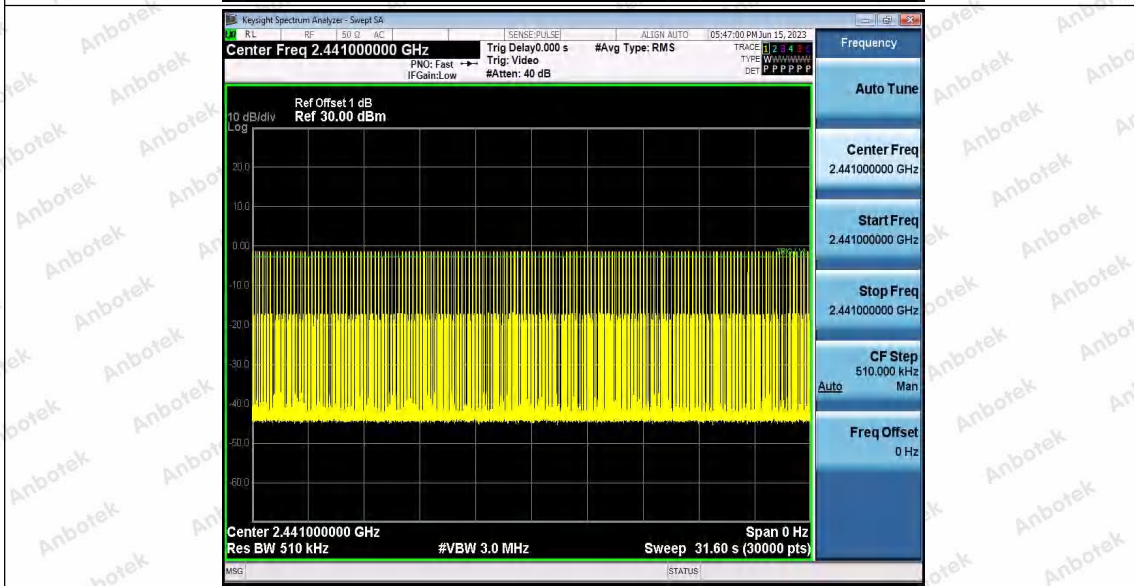
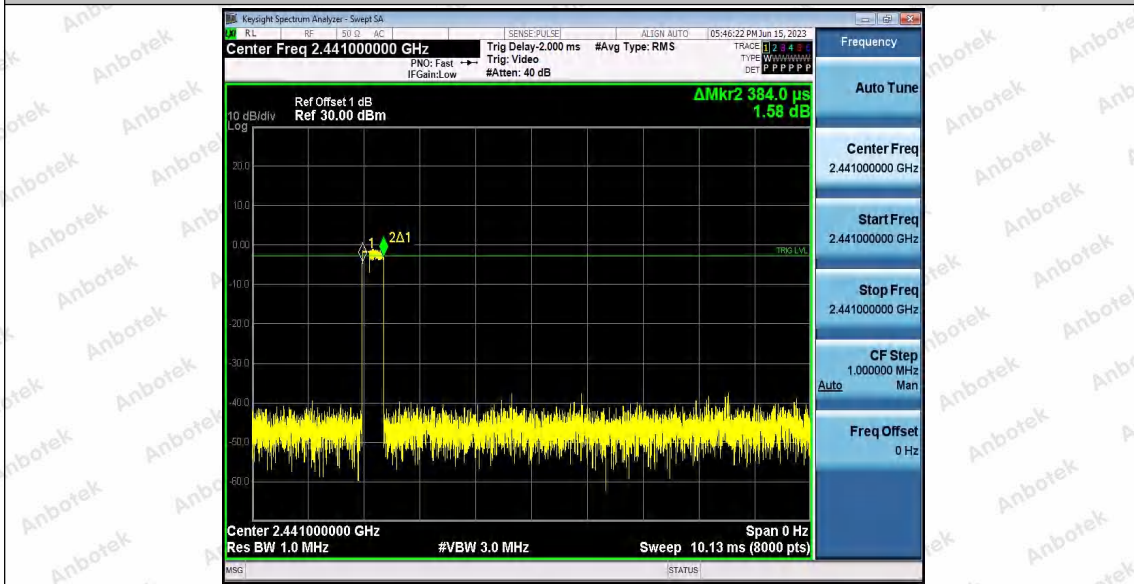
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2DH1\_Ant1\_Hop

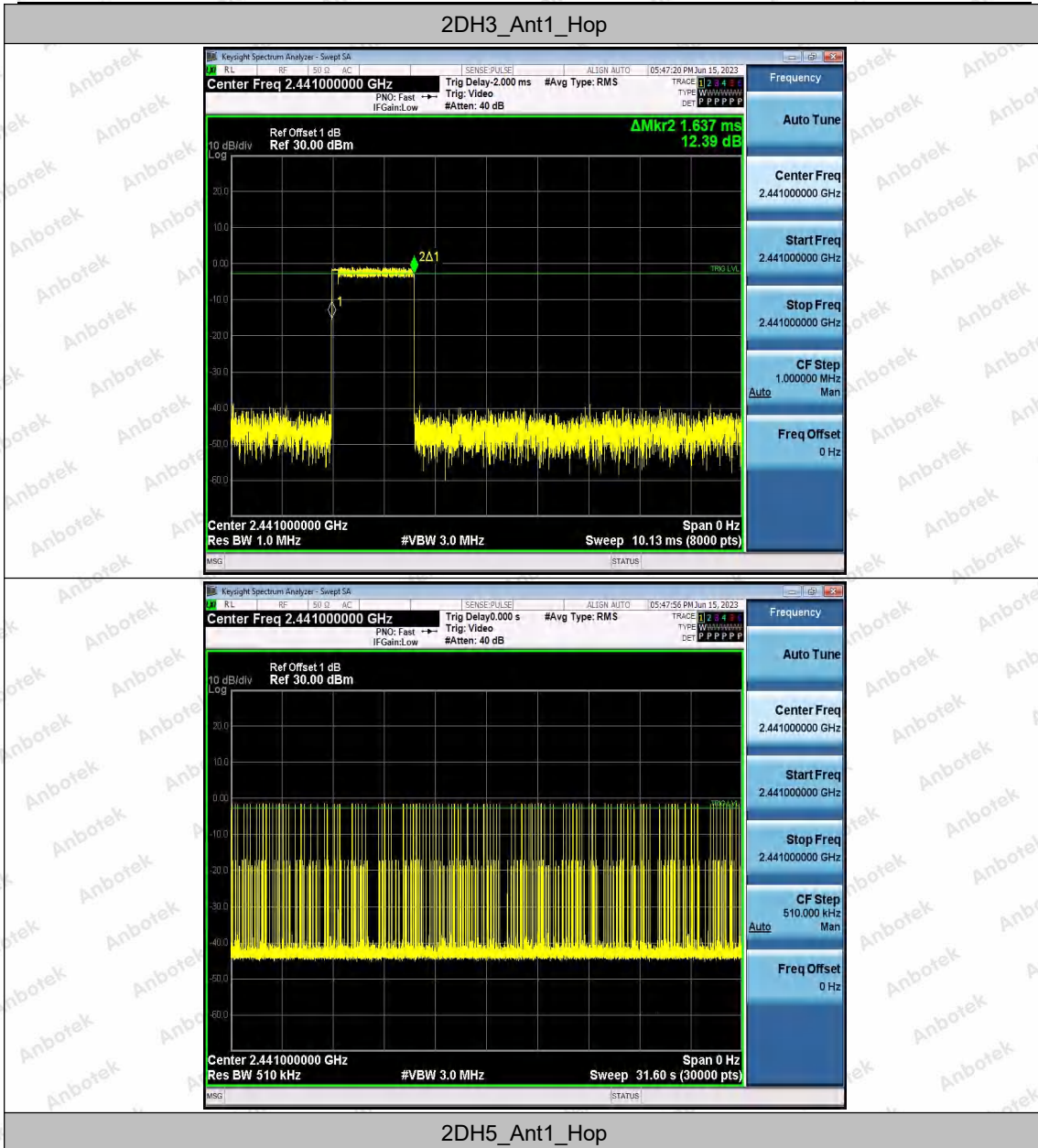


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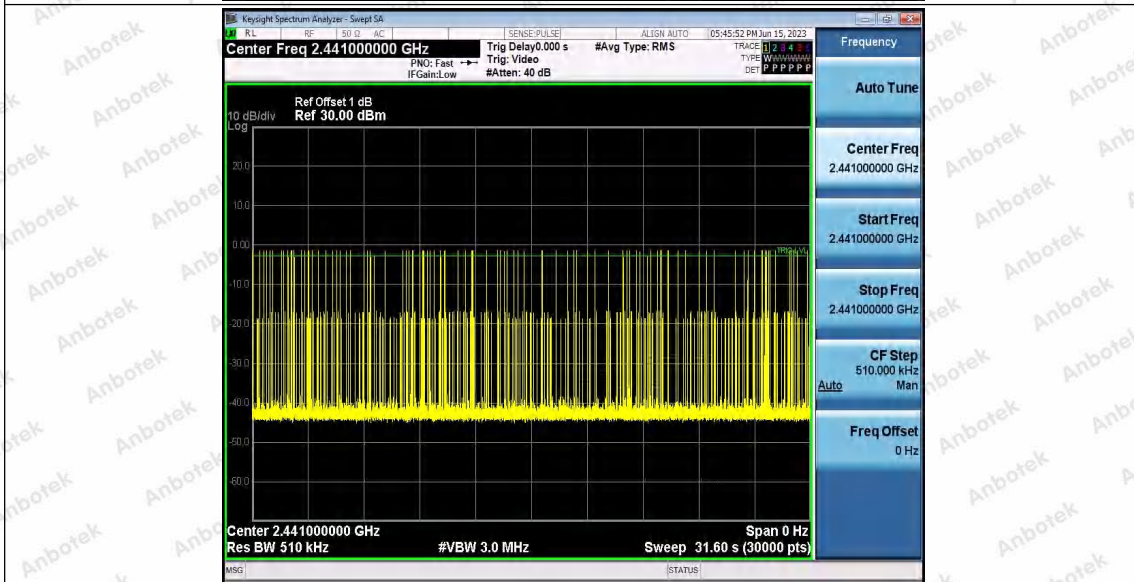
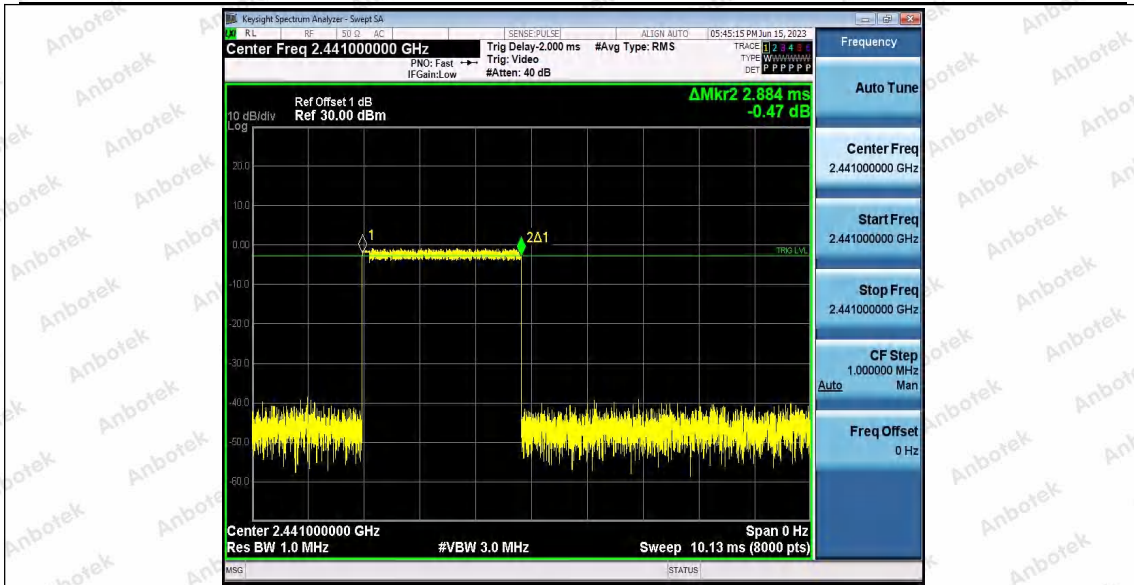
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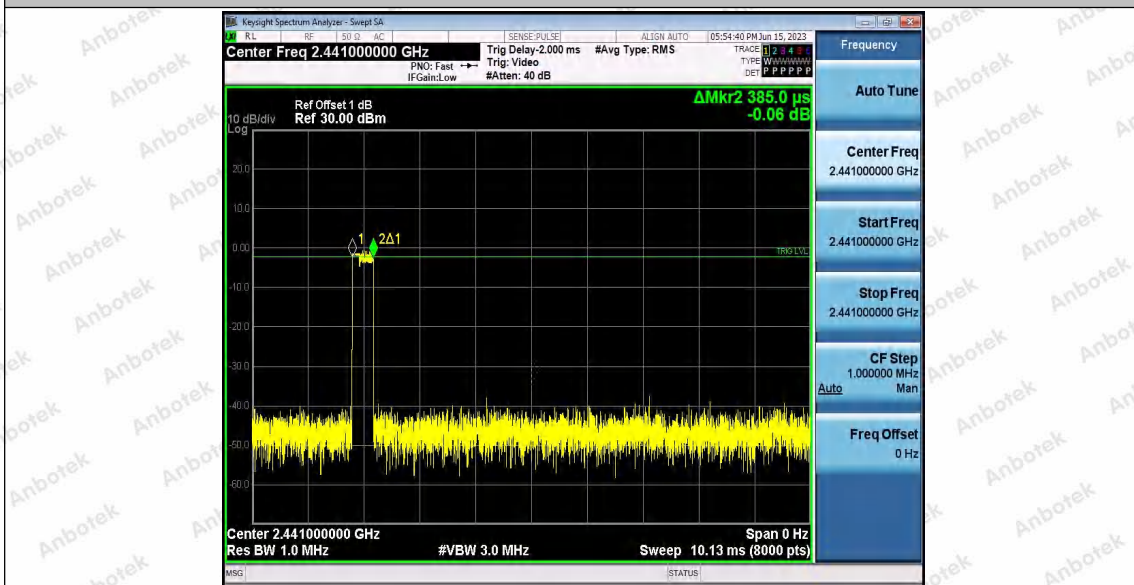
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3DH1\_Ant1\_Hop

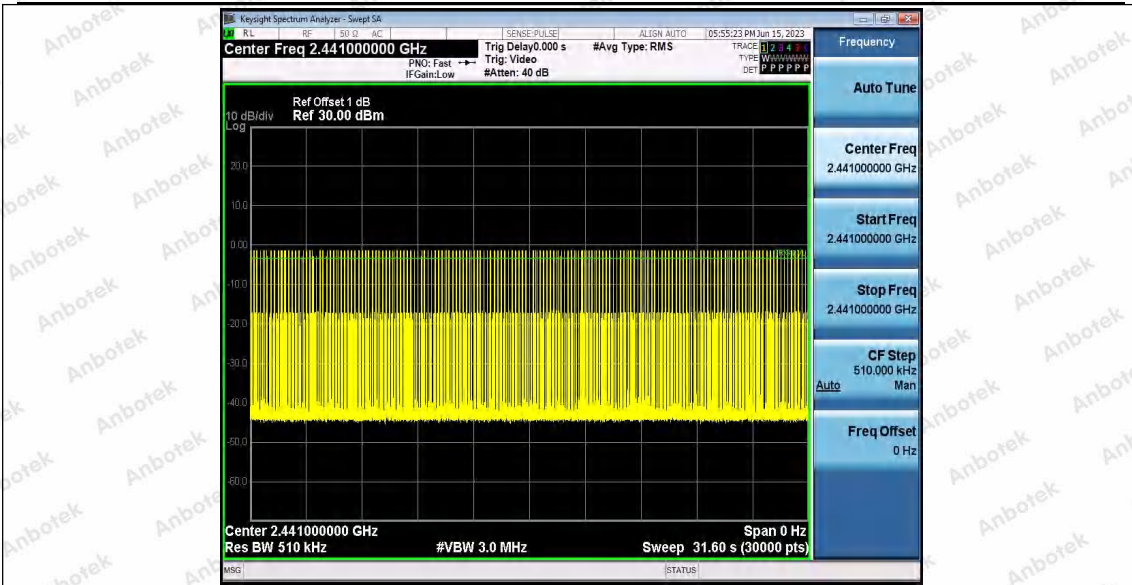


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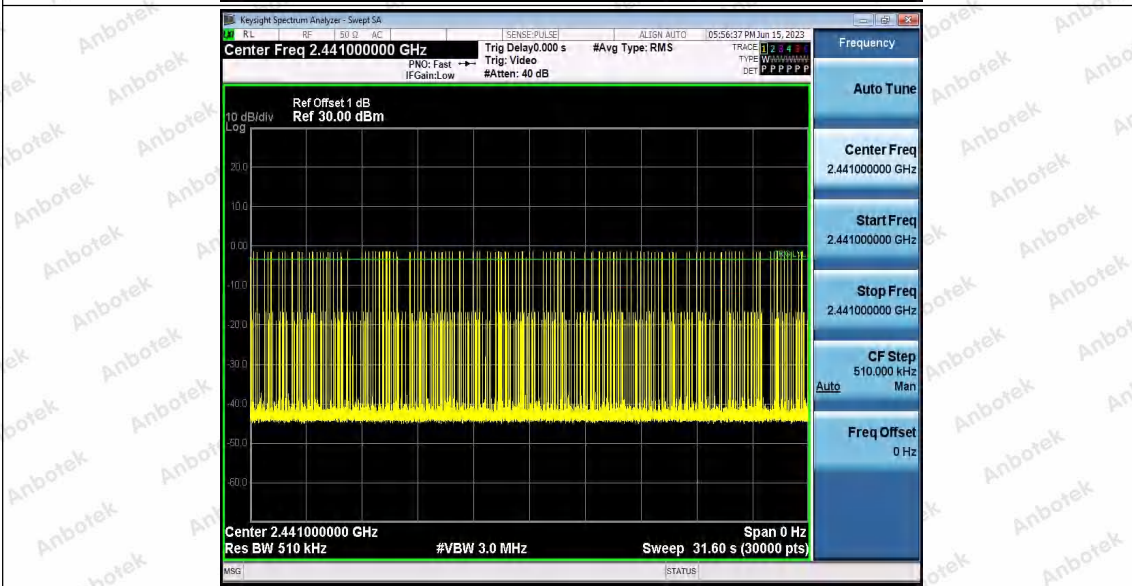
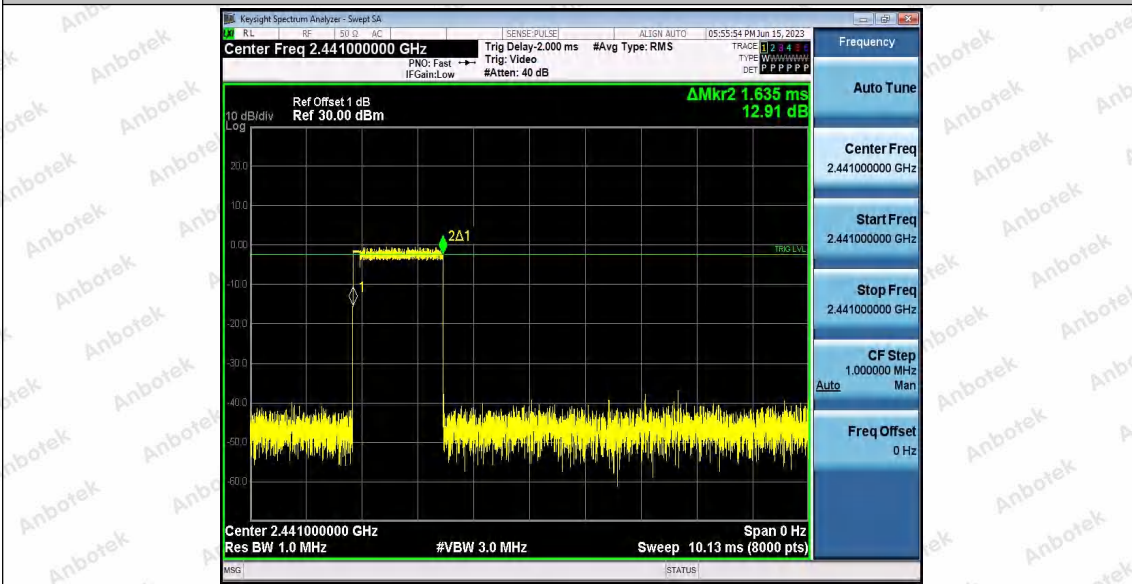
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### 3DH3\_Ant1\_Hop



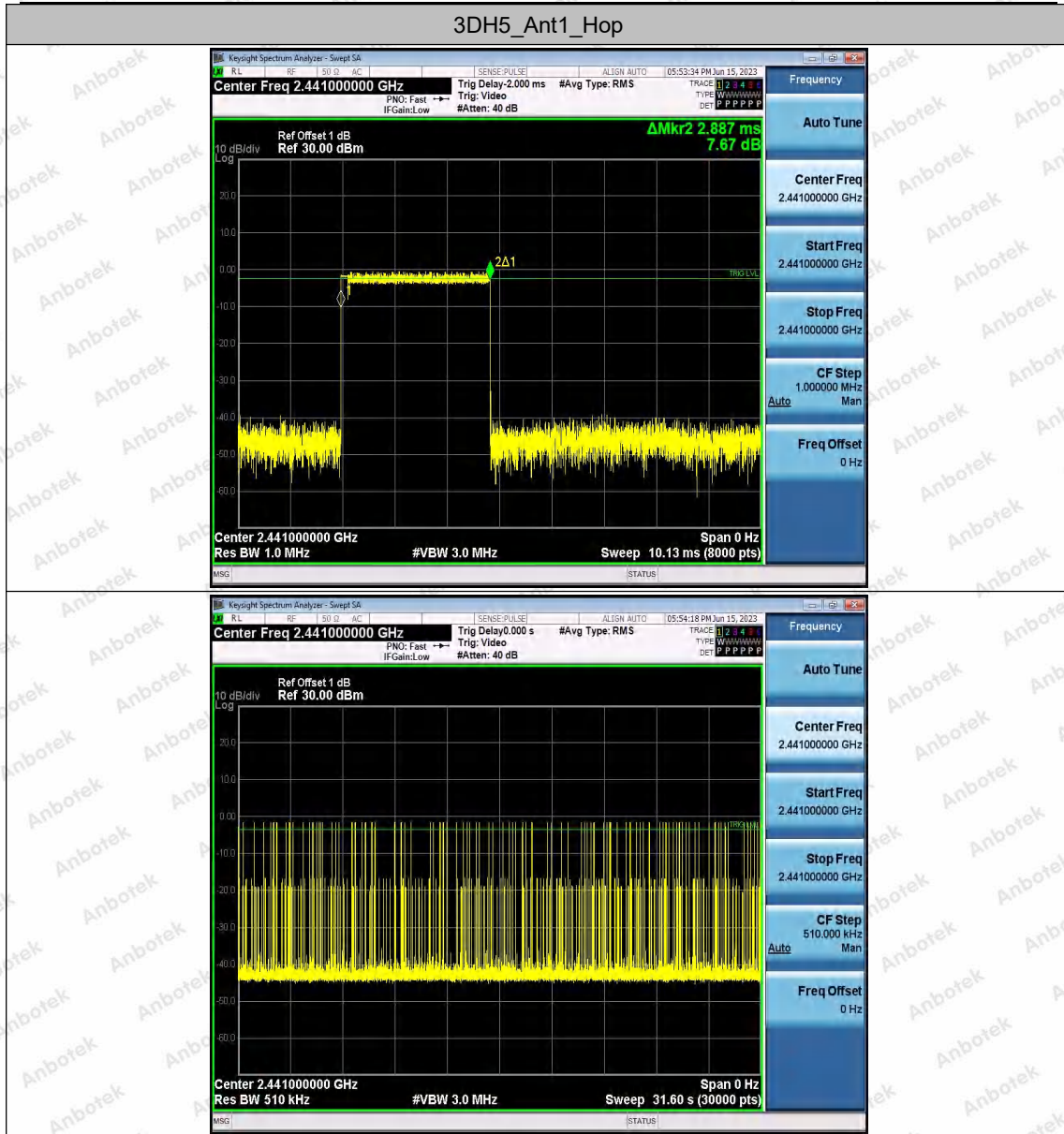
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## Appendix F: Number of hopping channels

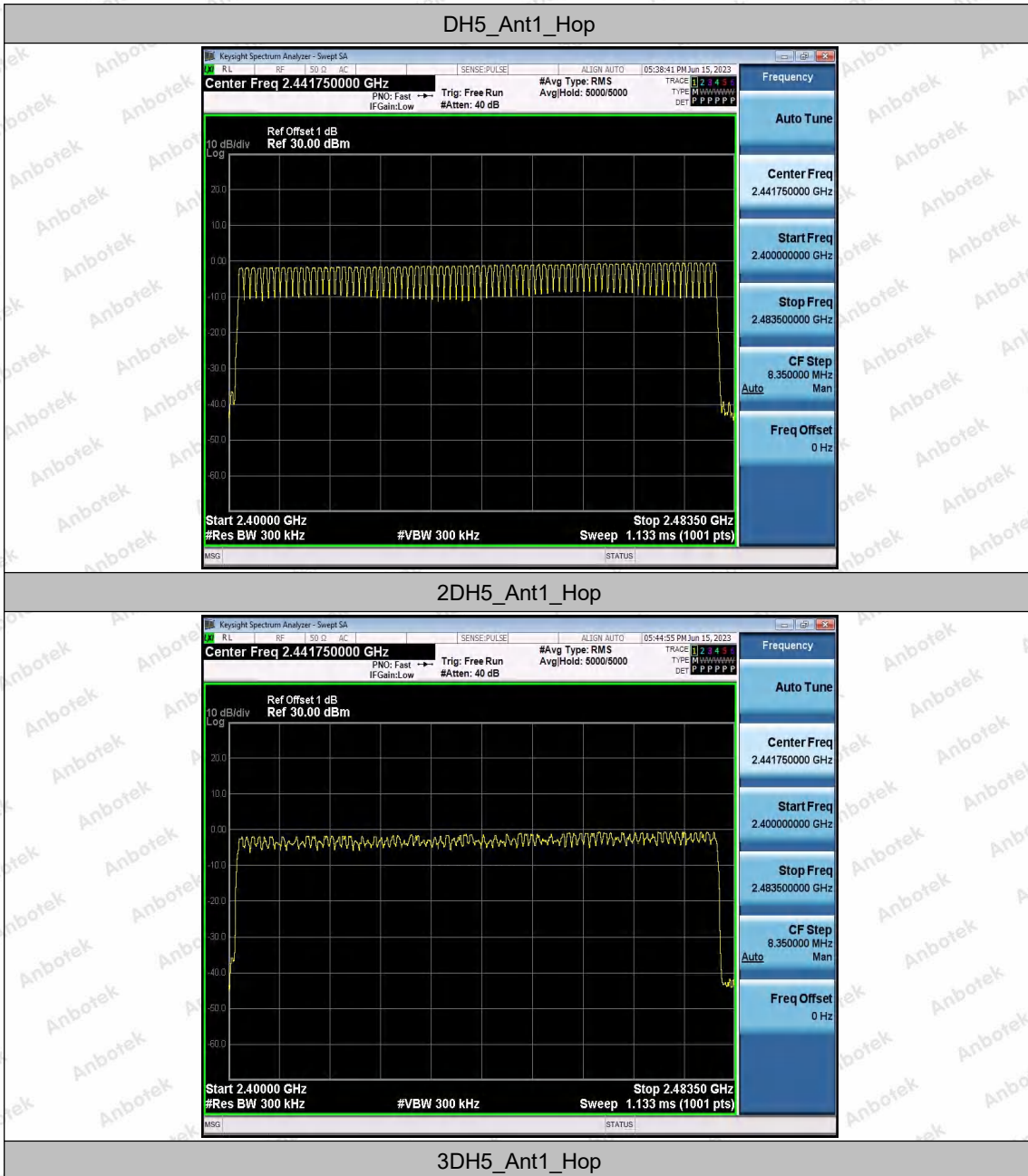
### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS





## Test Graphs

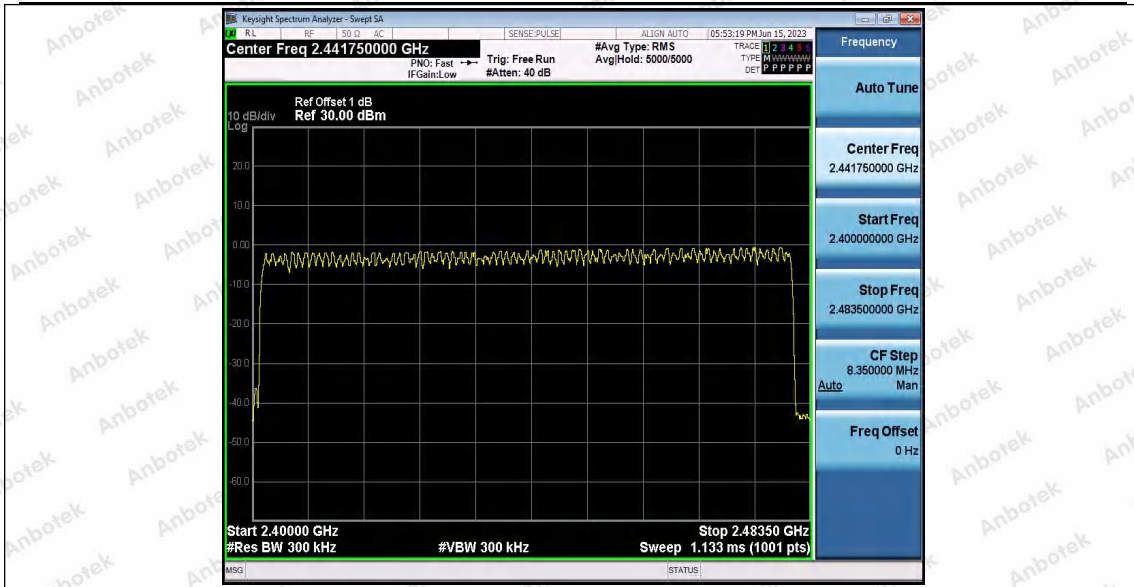


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## Appendix G: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.17	-50.32	≤-22.17	PASS
		High	2480	-0.73	-43.98	≤-20.73	PASS
		Low	Hop_2402	-2.62	-51.57	≤-22.62	PASS
		High	Hop_2480	-0.71	-49.81	≤-20.71	PASS
2DH5	Ant1	Low	2402	-5.62	-51.42	≤-25.62	PASS
		High	2480	-0.97	-49.19	≤-20.97	PASS
		Low	Hop_2402	-3.12	-52.68	≤-23.12	PASS
		High	Hop_2480	-4.46	-51.67	≤-24.46	PASS
3DH5	Ant1	Low	2402	-2.56	-51.22	≤-22.56	PASS
		High	2480	-0.79	-47.79	≤-20.79	PASS
		Low	Hop_2402	-4.09	-53.24	≤-24.09	PASS
		High	Hop_2480	-3.81	-51.18	≤-23.81	PASS

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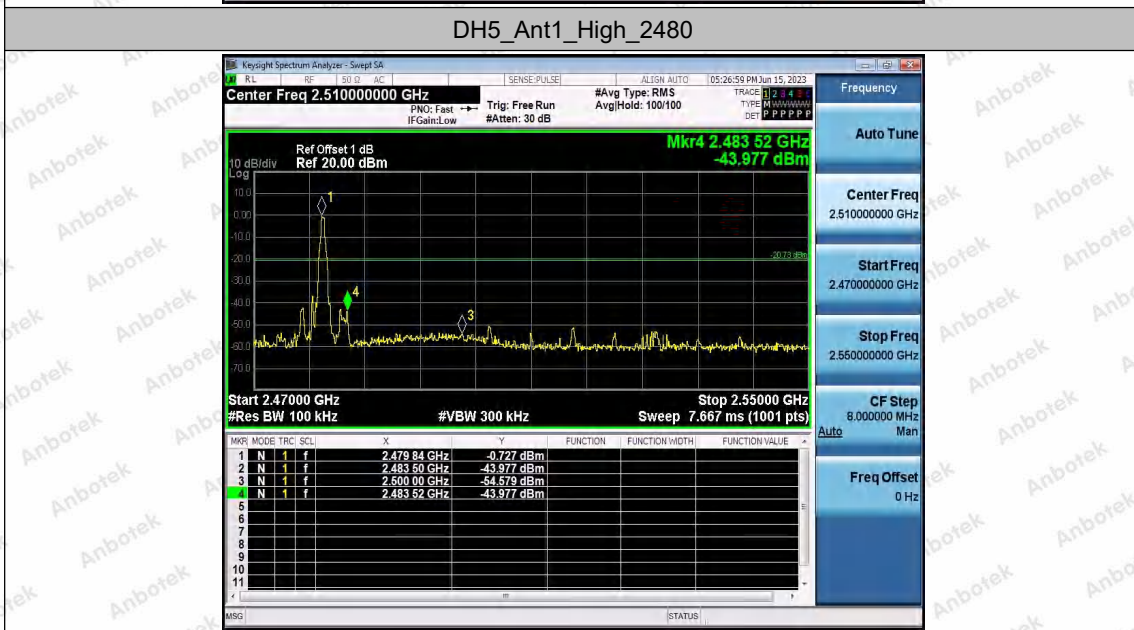
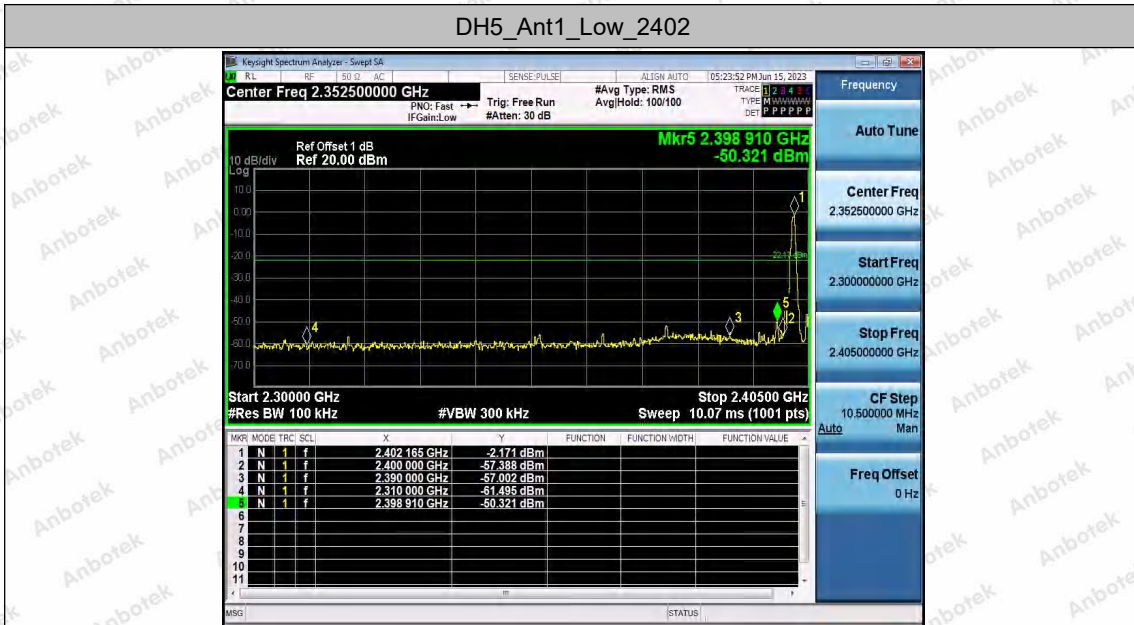
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## Test Graphs



### DH5\_Ant1\_Low\_Hop\_2402

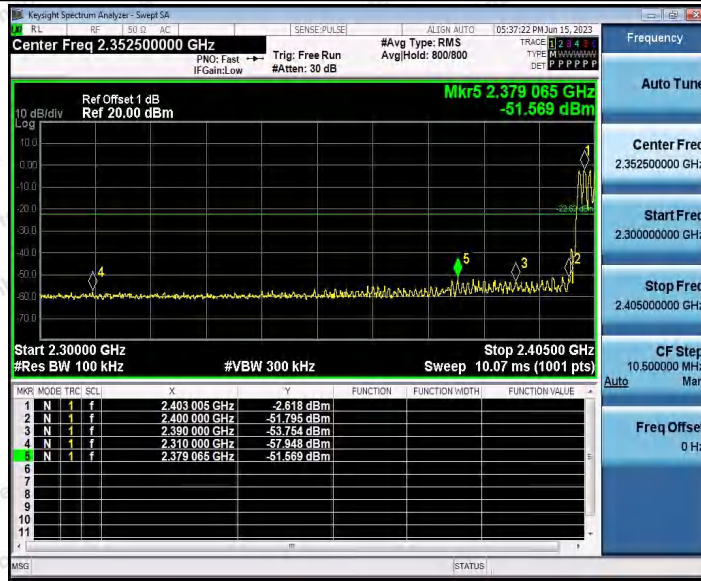
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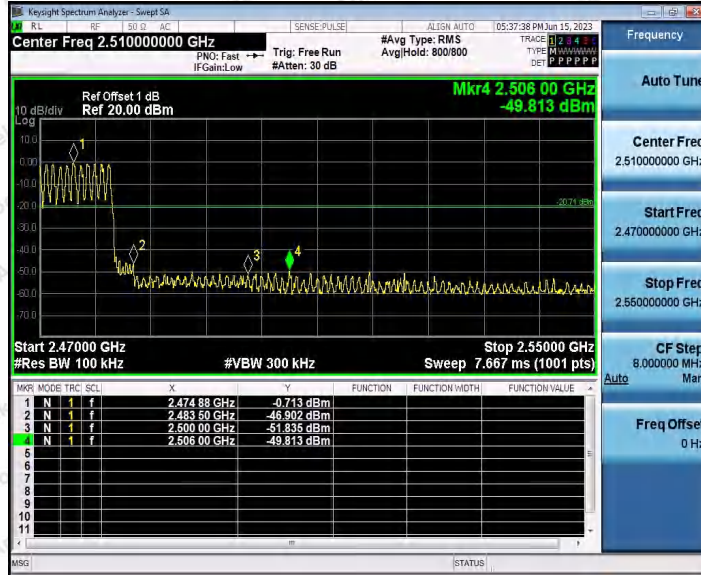
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DH5\_Ant1\_High\_Hop\_2480



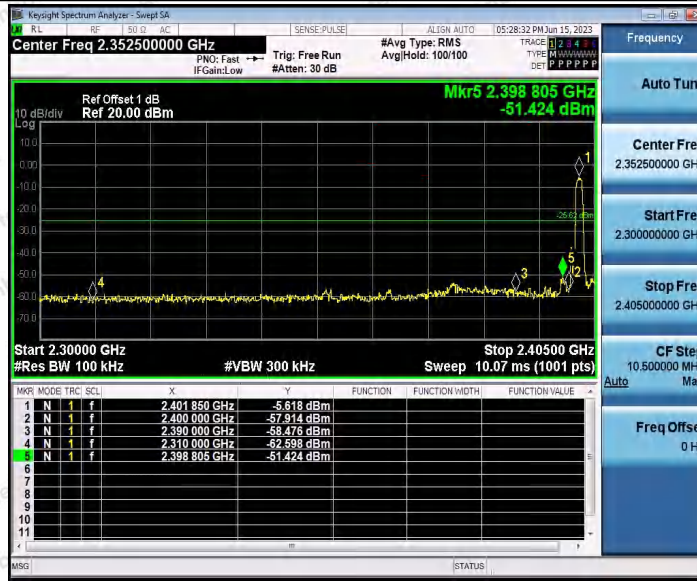
2DH5\_Ant1\_Low\_2402

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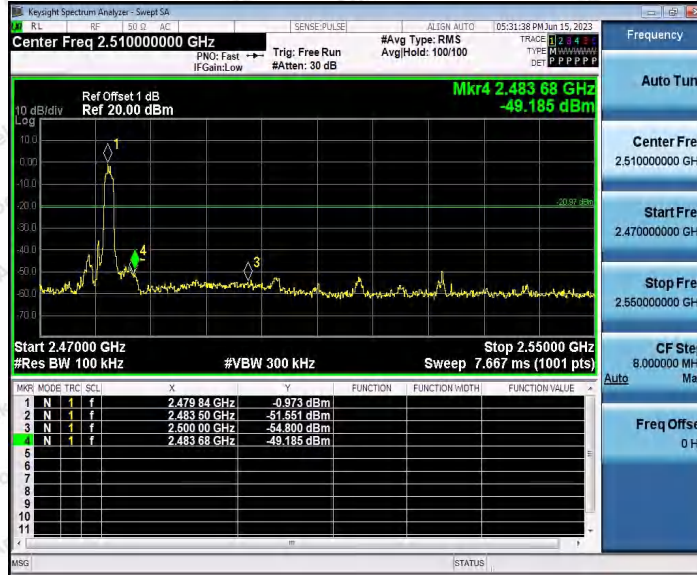
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2DH5\_Ant1\_High\_2480



2DH5\_Ant1\_Low\_Hop\_2402

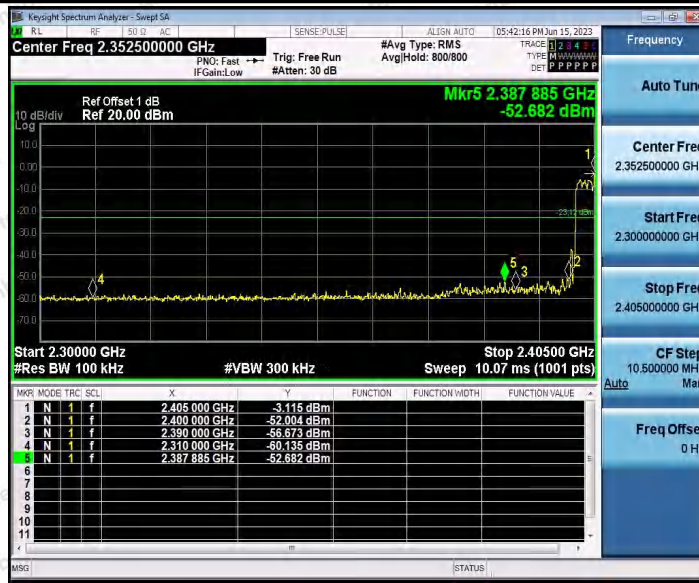
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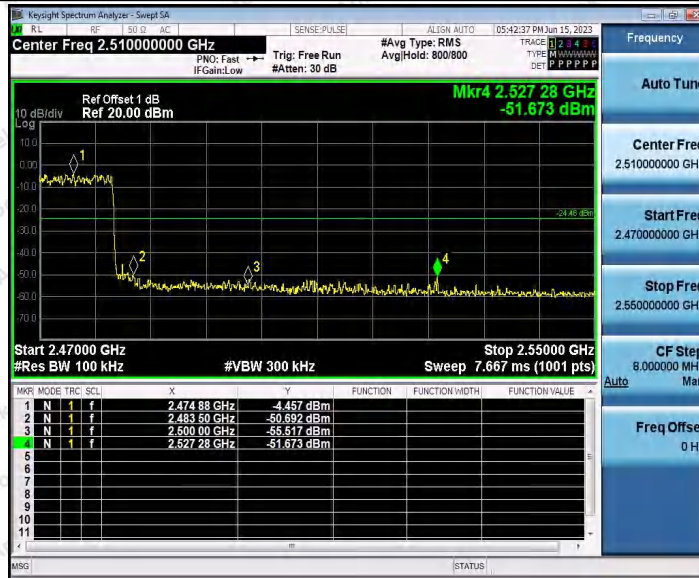
Hotline  
400-003-0500  
www.anbotek.com.cn







2DH5\_Ant1\_High\_Hop\_2480



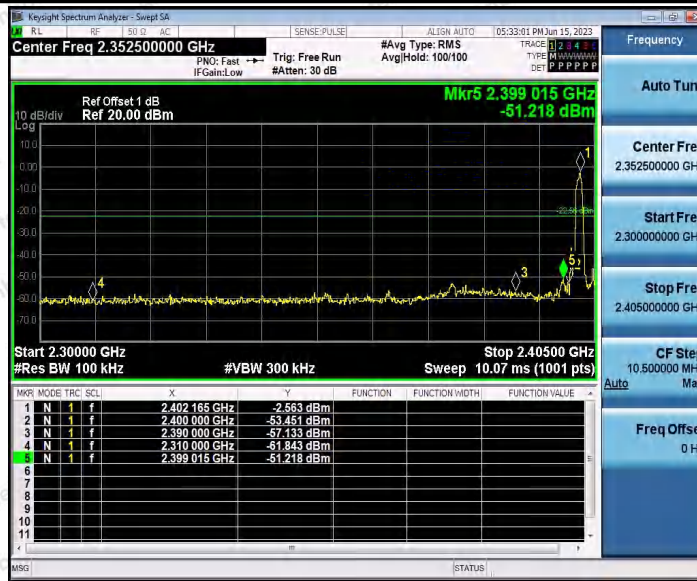
3DH5\_Ant1\_Low\_2402

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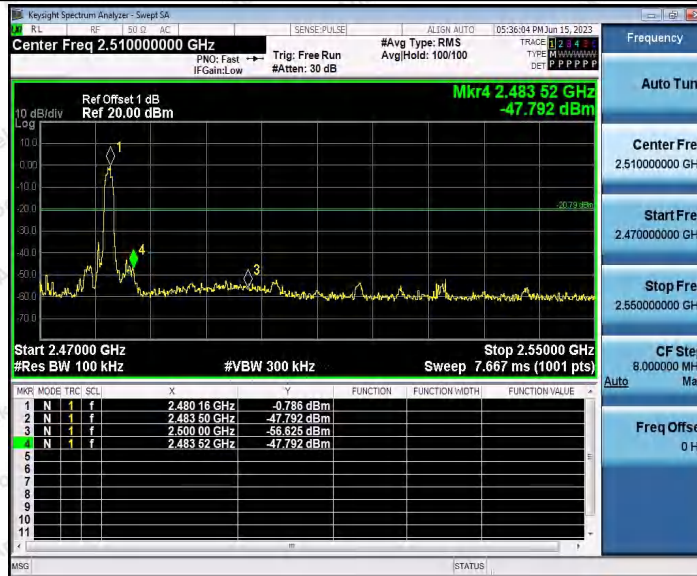
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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3DH5\_Ant1\_High\_2480



3DH5\_Ant1\_Low\_Hop\_2402

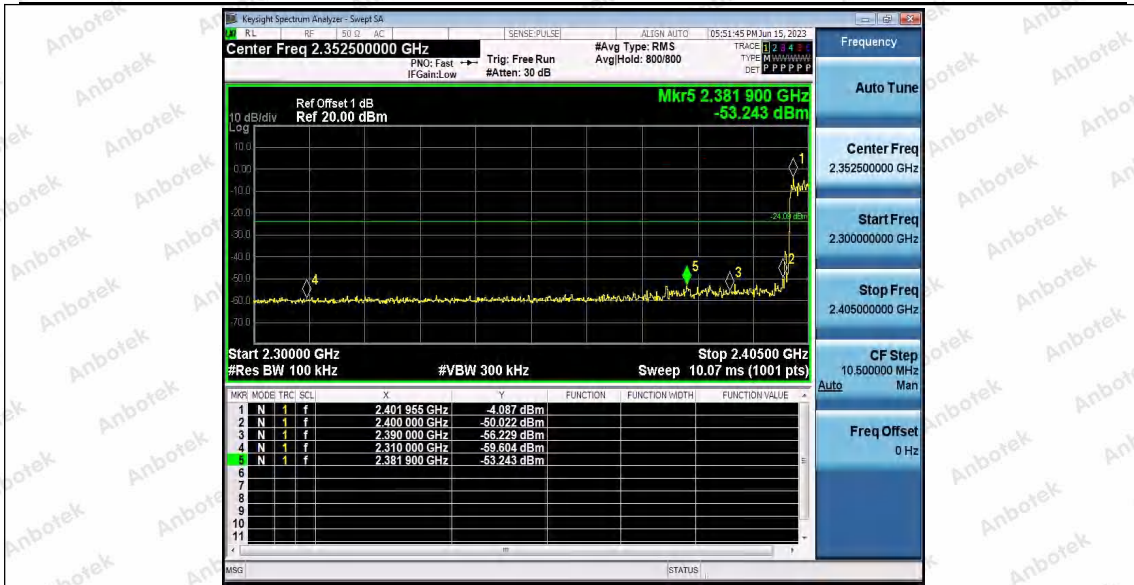
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

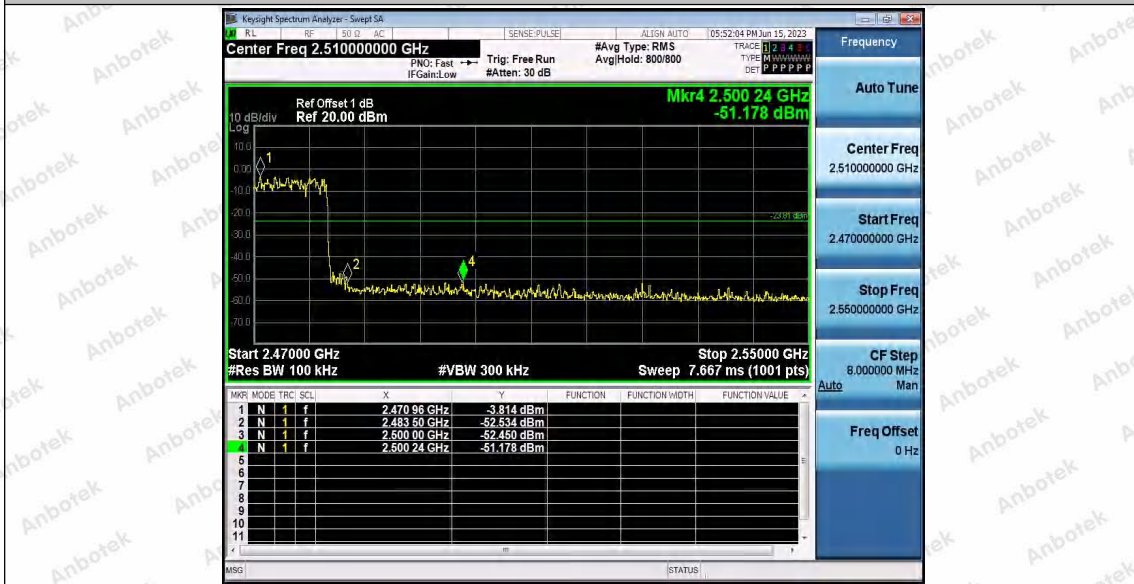
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3DH5\_Ant1\_High\_Hop\_2480



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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	-2.70	-2.70	---	PASS
			30~1000	-2.70	-45.96	≤-22.7	PASS
			1000~26500	-2.70	-49.53	≤-22.7	PASS
		2441	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-48.56	≤-21.54	PASS
			1000~26500	-1.54	-46.83	≤-21.54	PASS
		2480	Reference	-1.37	-1.37	---	PASS
			30~1000	-1.37	-48.59	≤-21.37	PASS
			1000~26500	-1.37	-44.32	≤-21.37	PASS
2DH5	Ant1	2402	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-46.25	≤-23.29	PASS
			1000~26500	-3.29	-50.3	≤-23.29	PASS
		2441	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-47.07	≤-21.92	PASS
			1000~26500	-1.92	-45.08	≤-21.92	PASS
		2480	Reference	-3.74	-3.74	---	PASS
			30~1000	-3.74	-48.5	≤-23.74	PASS
			1000~26500	-3.74	-48.69	≤-23.74	PASS
3DH5	Ant1	2402	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-48.04	≤-22.75	PASS
			1000~26500	-2.75	-50.54	≤-22.75	PASS
		2441	Reference	-5.01	-5.01	---	PASS
			30~1000	-5.01	-48.08	≤-25.01	PASS
			1000~26500	-5.01	-49.8	≤-25.01	PASS
		2480	Reference	-0.74	-0.74	---	PASS
			30~1000	-0.74	-48.67	≤-20.74	PASS
			1000~26500	-0.74	-49.19	≤-20.74	PASS

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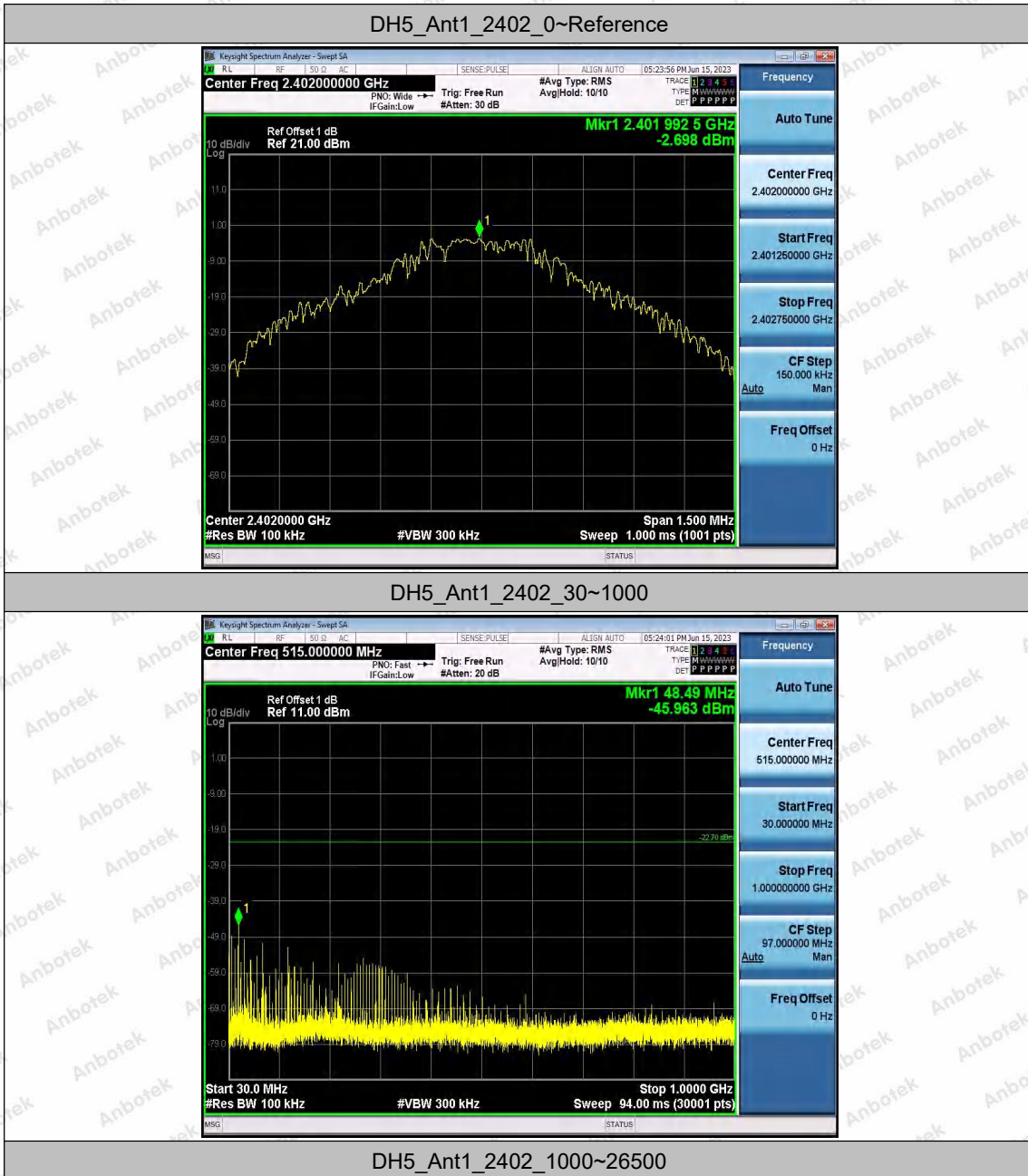


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## Test Graphs

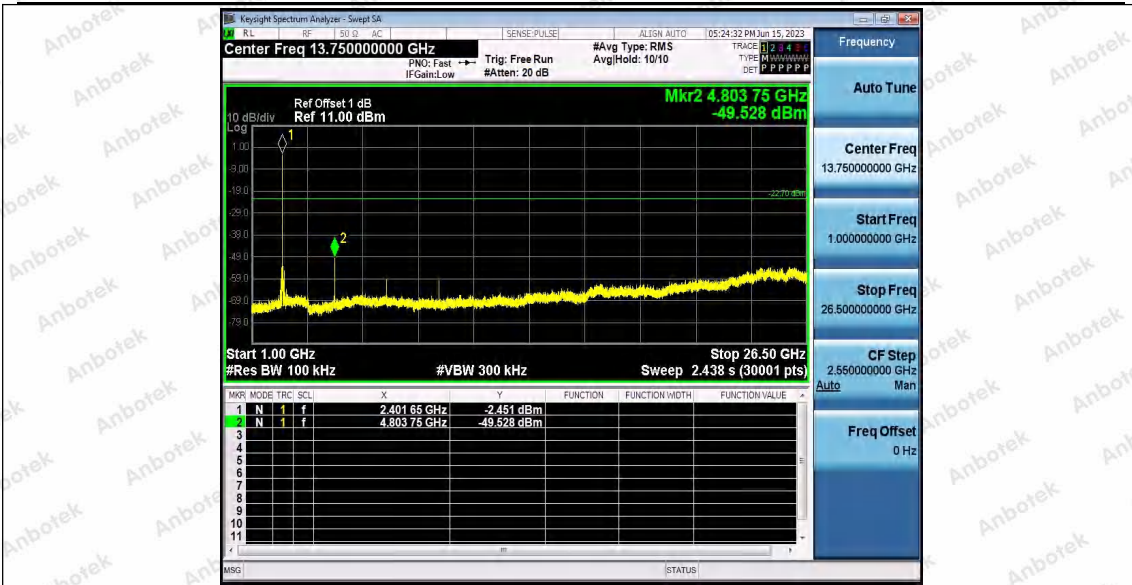


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DH5\_Ant1\_2441\_0~Reference



DH5\_Ant1\_2441\_30~1000

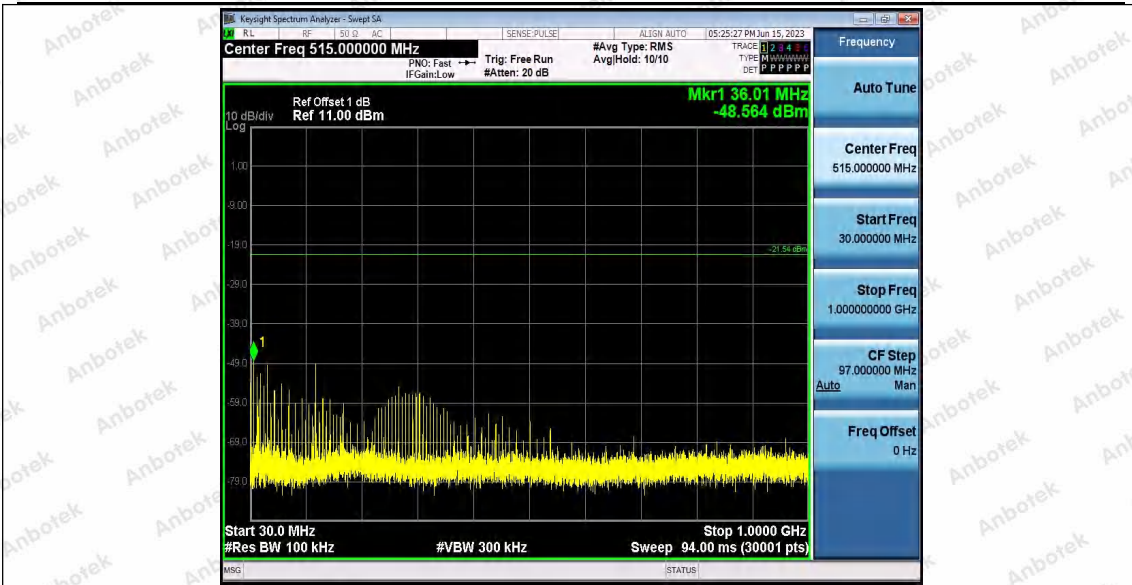
## Shenzhen Anbotek Compliance Laboratory Limited

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

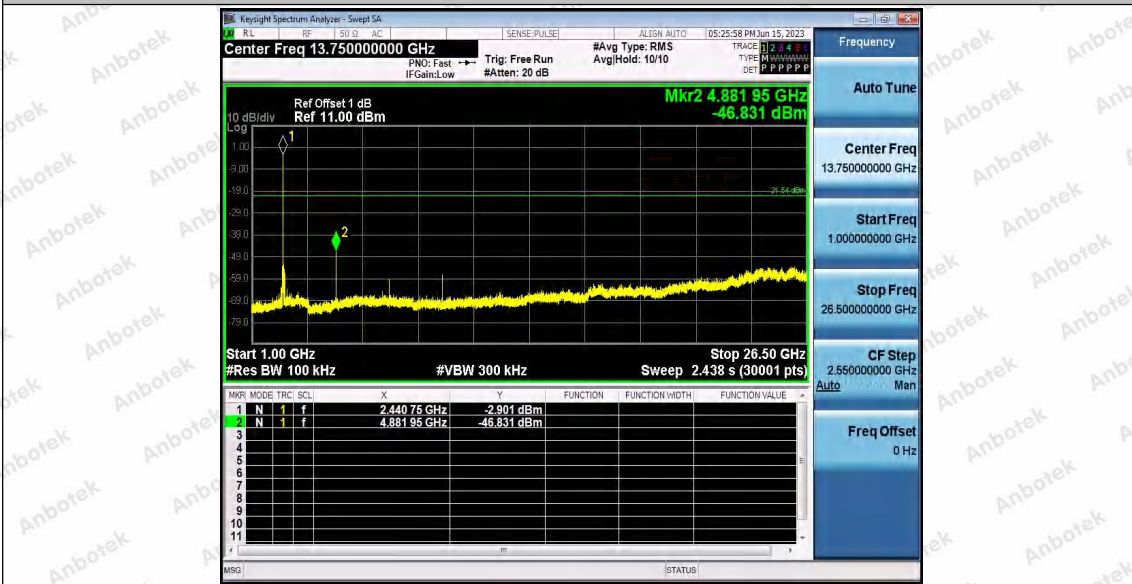
Hotline  
400-003-0500  
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DH5\_Ant1\_2441\_1000~26500



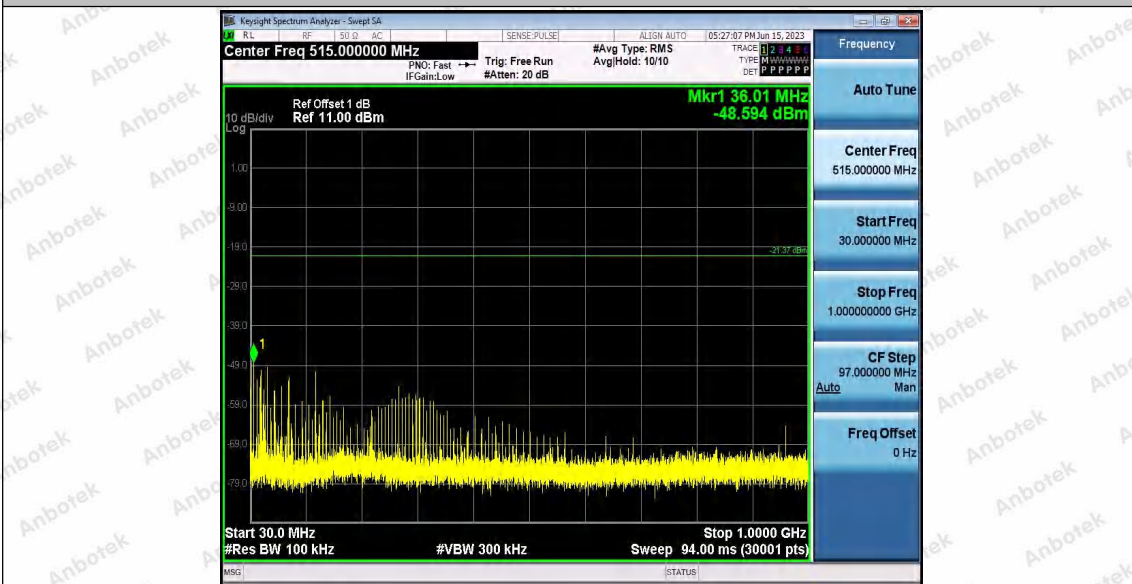
DH5\_Ant1\_2480\_0~Reference

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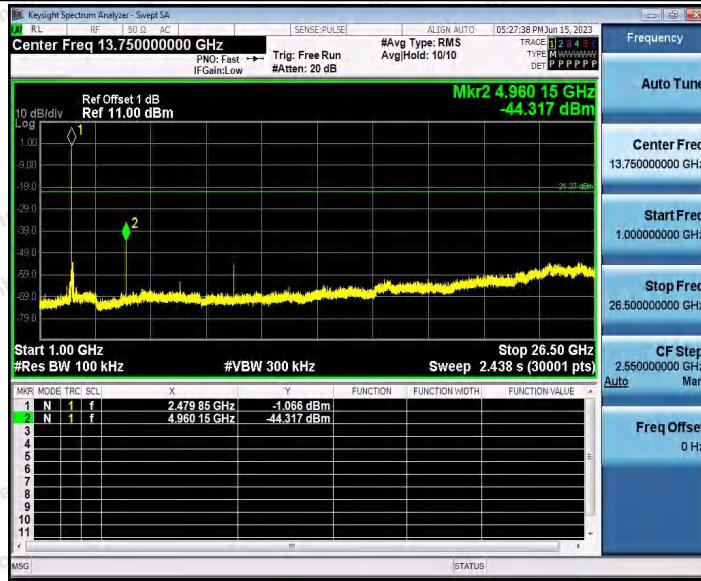
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2DH5\_Ant1\_2402\_0~Reference



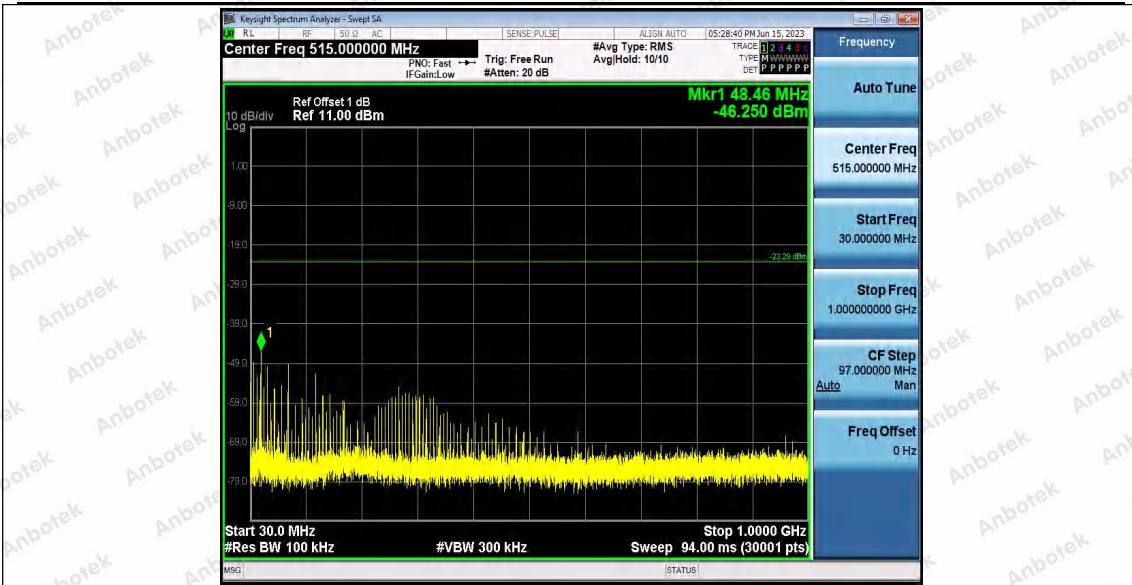
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## Shenzhen Anbotek Compliance Laboratory Limited

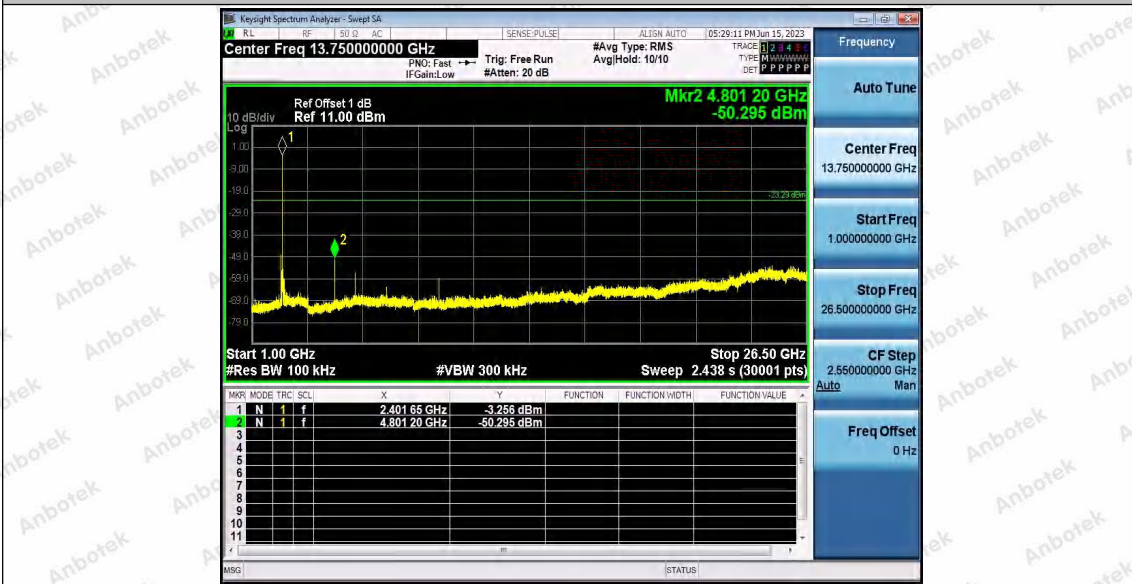
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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2DH5\_Ant1\_2402\_1000~26500



2DH5\_Ant1\_2441\_0~Reference

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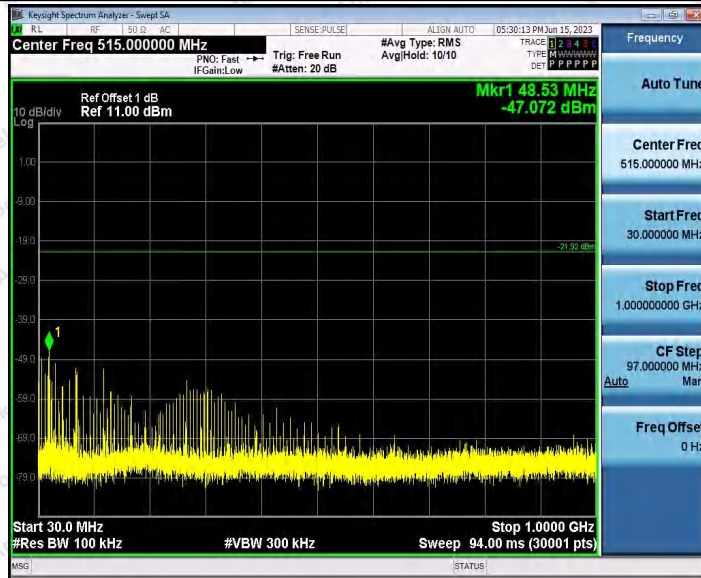
Hotline  
400-003-0500  
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2DH5\_Ant1\_2441\_30~1000



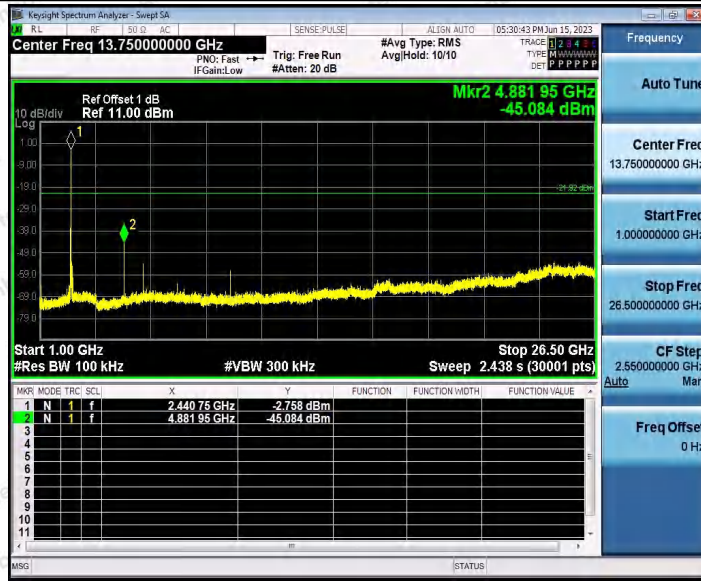
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2DH5\_Ant1\_2480\_0~Reference



2DH5\_Ant1\_2480\_30~1000

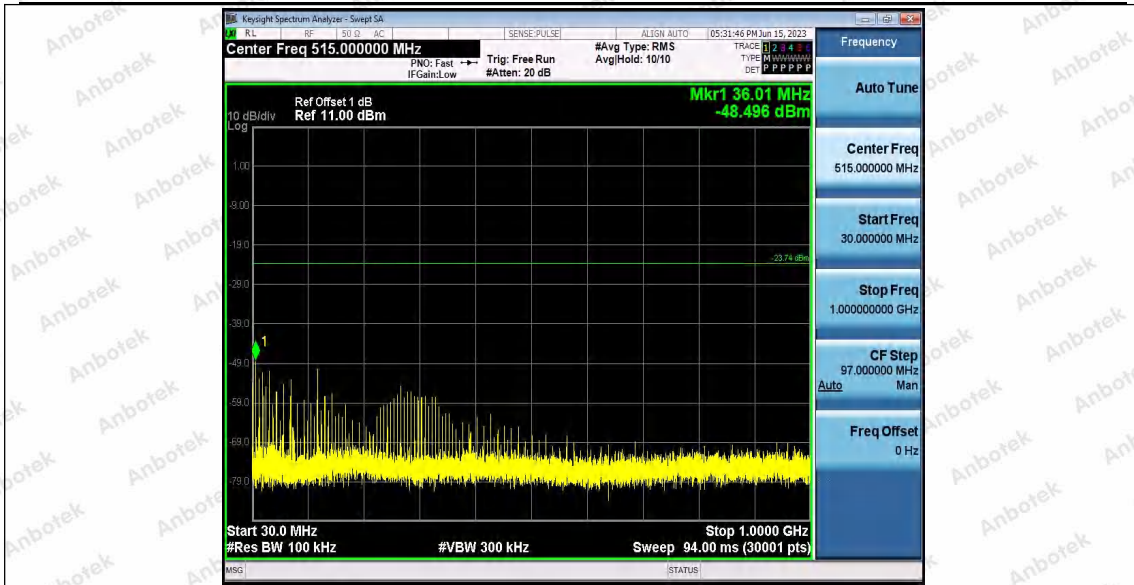
## Shenzhen Anbotek Compliance Laboratory Limited

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

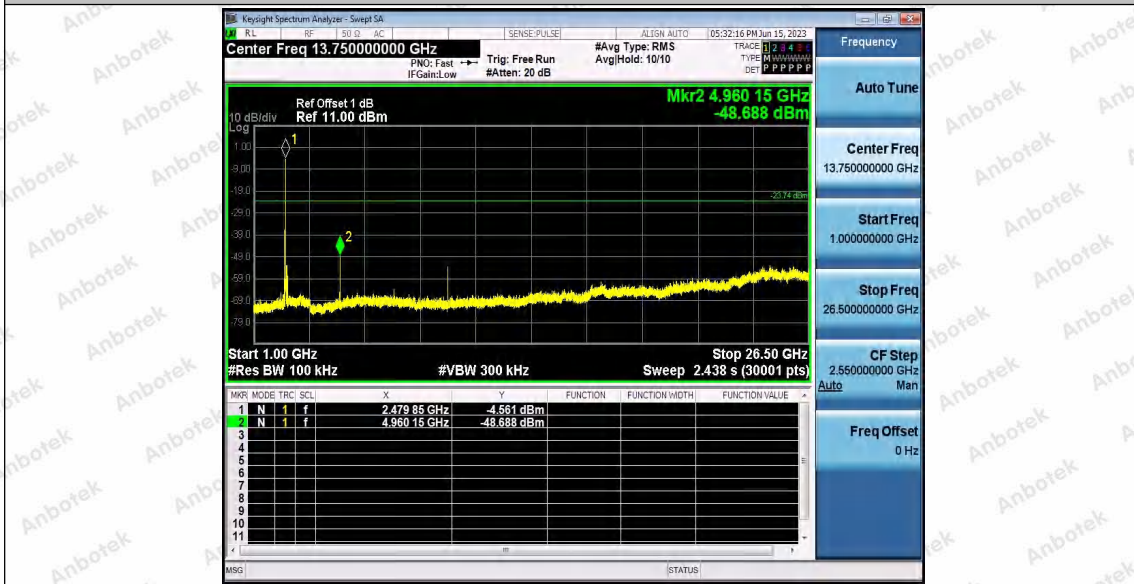
Hotline  
400-003-0500  
www.anbotek.com.cn







2DH5\_Ant1\_2480\_1000~26500



3DH5\_Ant1\_2402\_0~Reference

## Shenzhen Anbotek Compliance Laboratory Limited

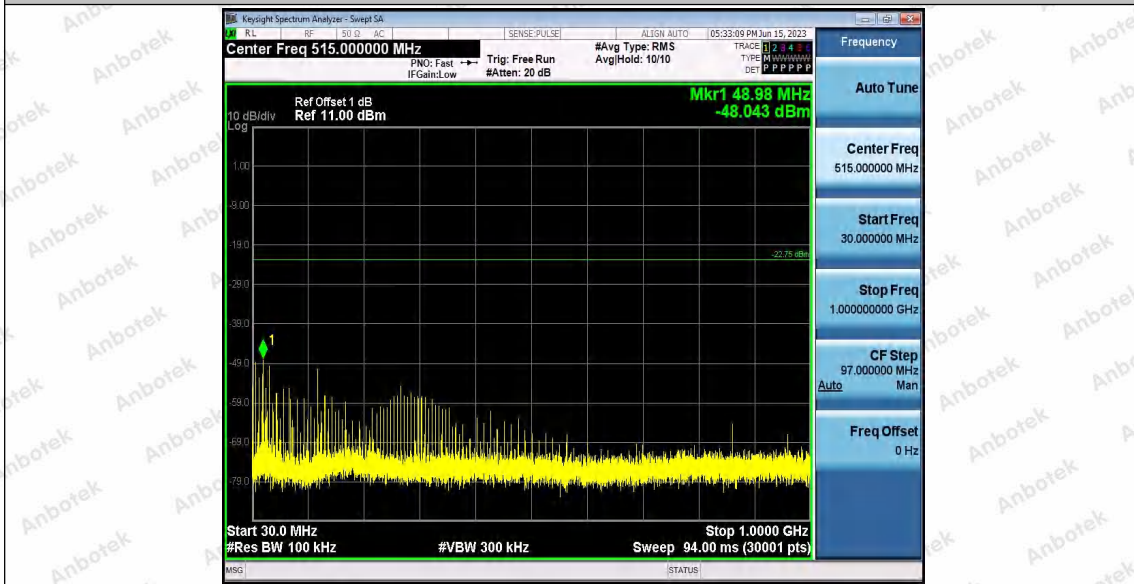
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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3DH5\_Ant1\_2402\_30~1000



3DH5\_Ant1\_2402\_1000~26500

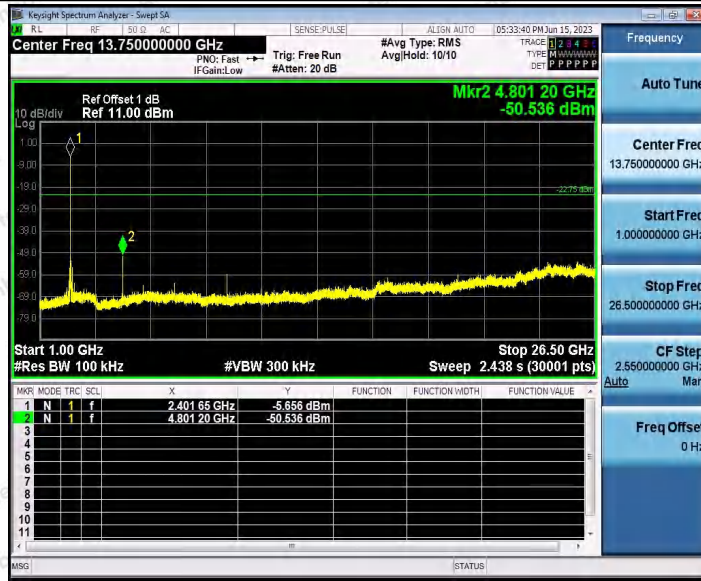
## Shenzhen Anbotek Compliance Laboratory Limited

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3DH5\_Ant1\_2441\_0~Reference



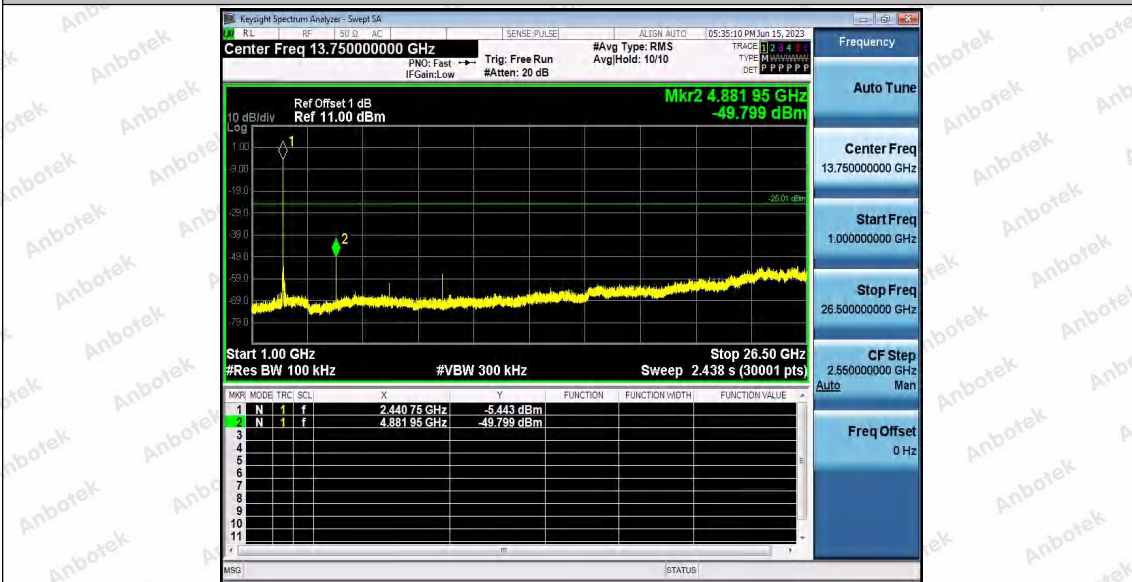
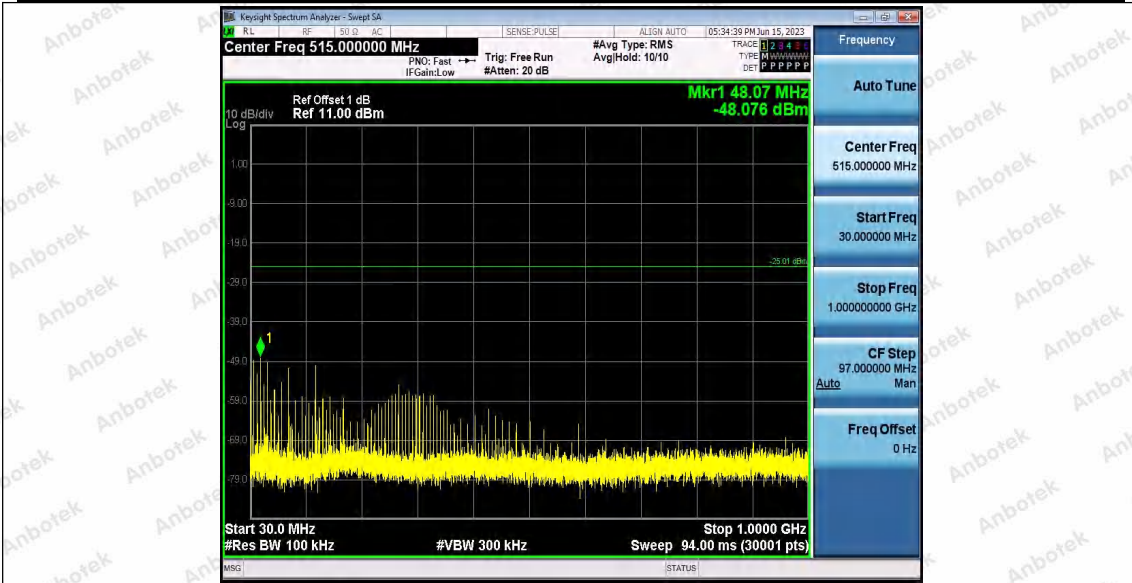
3DH5\_Ant1\_2441\_30~1000

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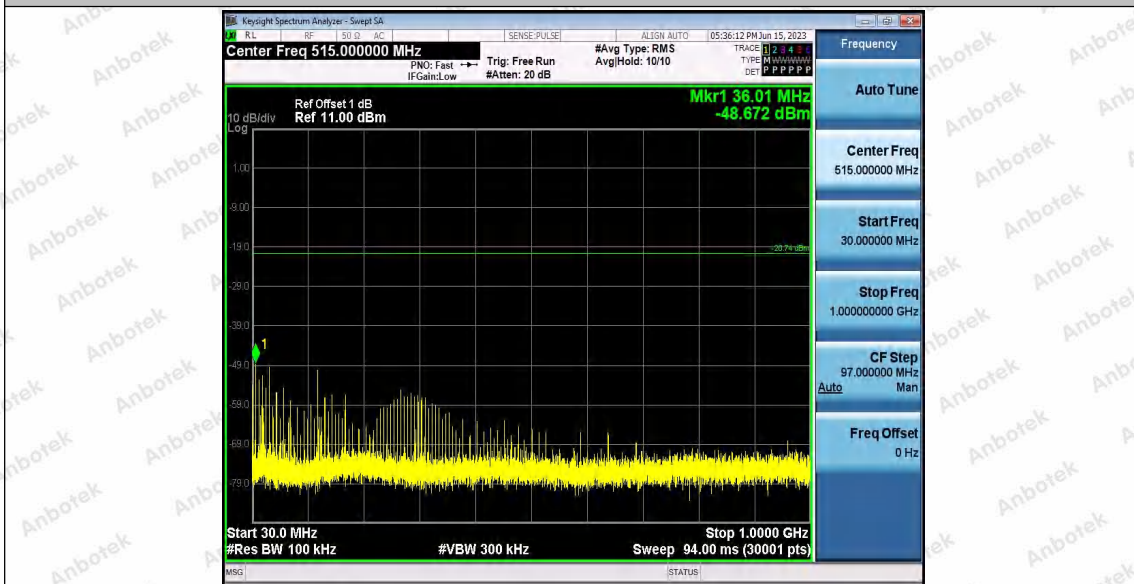
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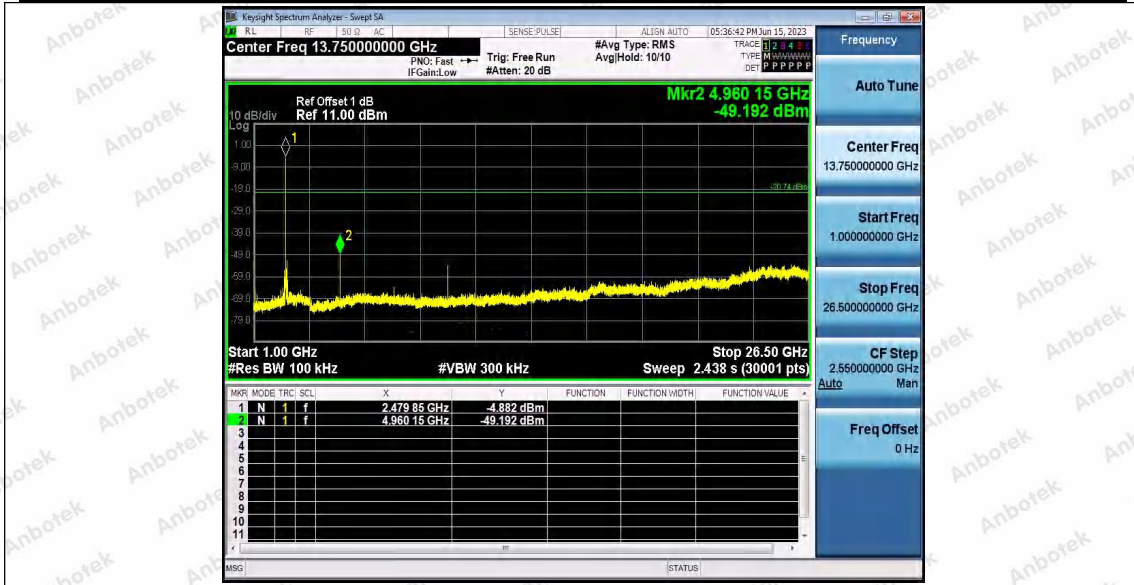


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## Appendix I: Duty Cycle

### Test Result

Test Mode	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	3.75	77.07	1.13
		2441	2.88	3.75	76.80	1.15
		2480	2.88	3.74	77.01	1.13
3DH5	Ant1	2402	2.90	3.76	77.13	1.13
		2441	2.89	3.75	77.07	1.13
		2480	2.88	3.74	77.01	1.13

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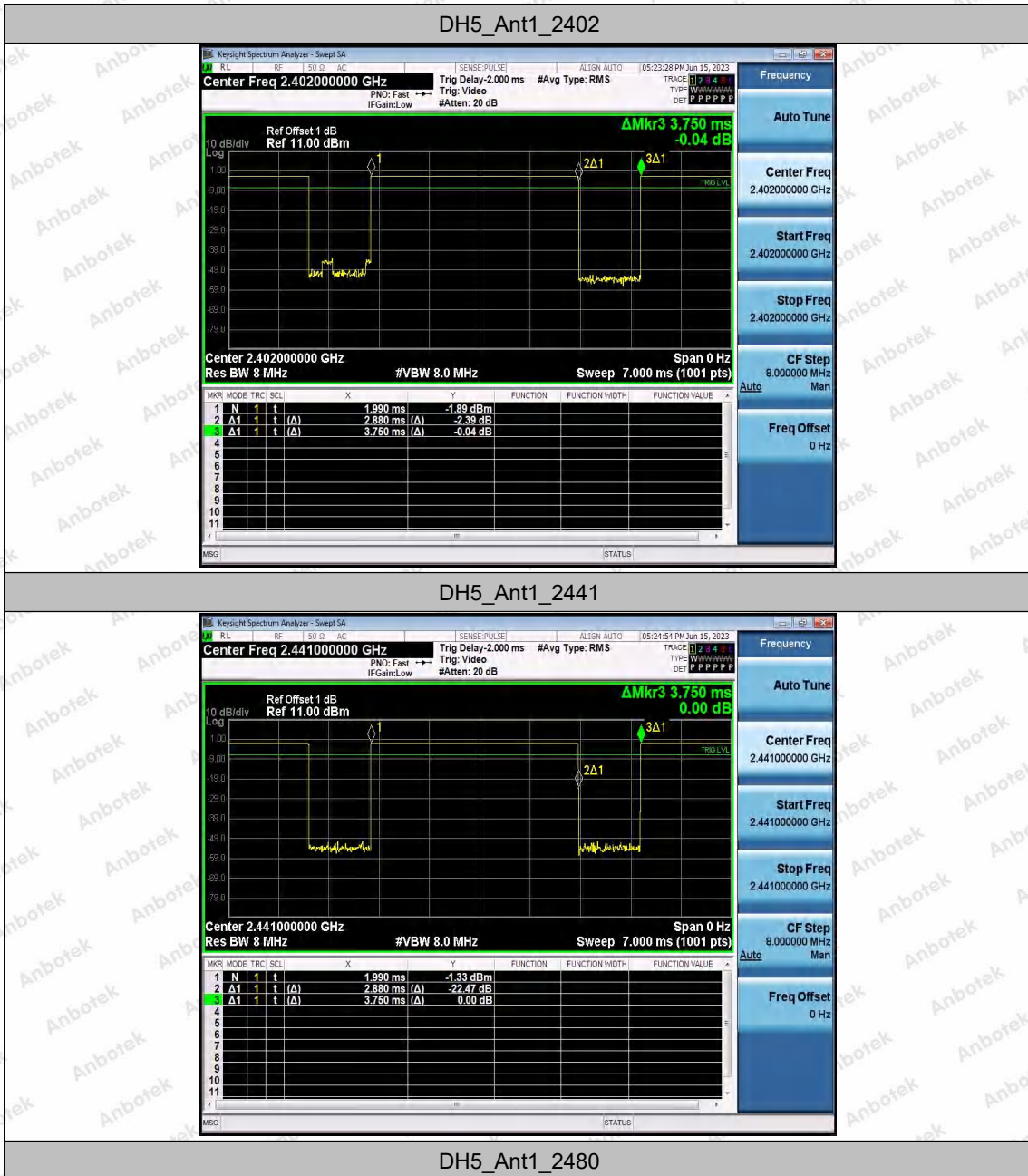
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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## Test Graphs



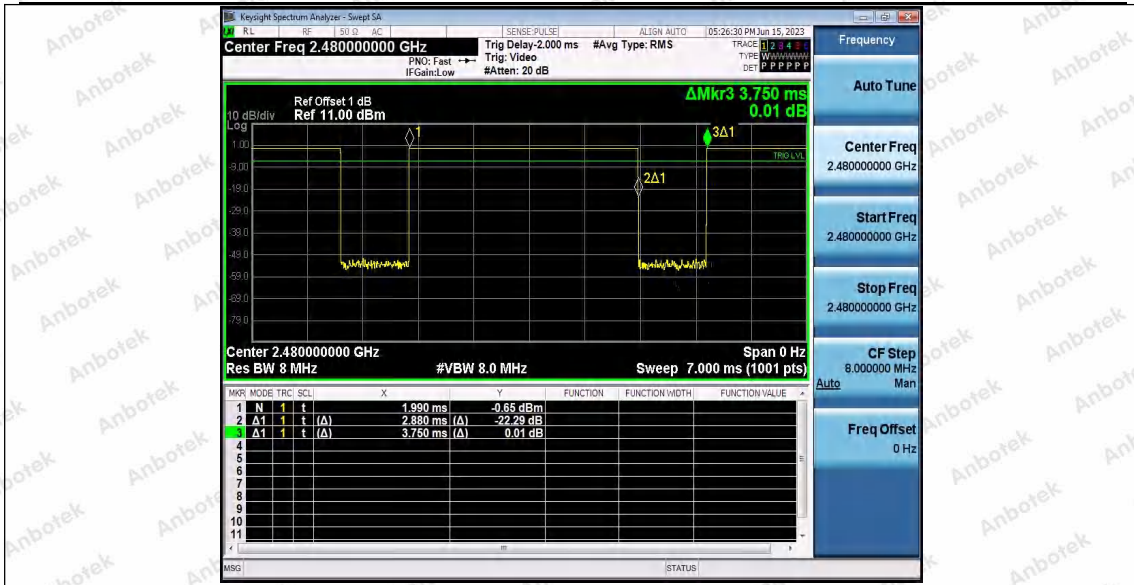
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

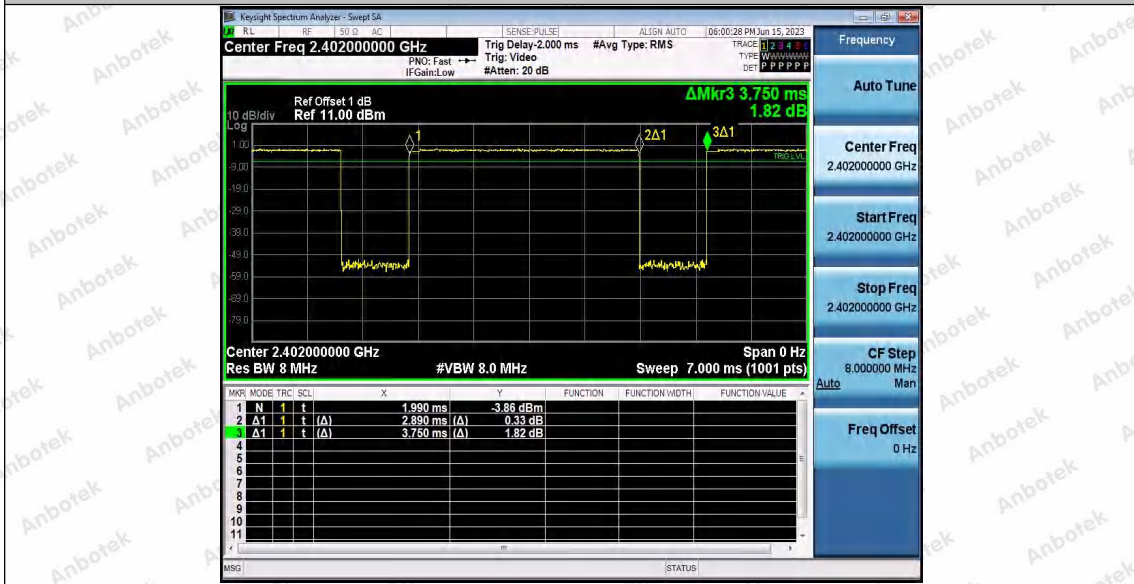
Hotline 400-003-0500  
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2DH5\_Ant1\_2402



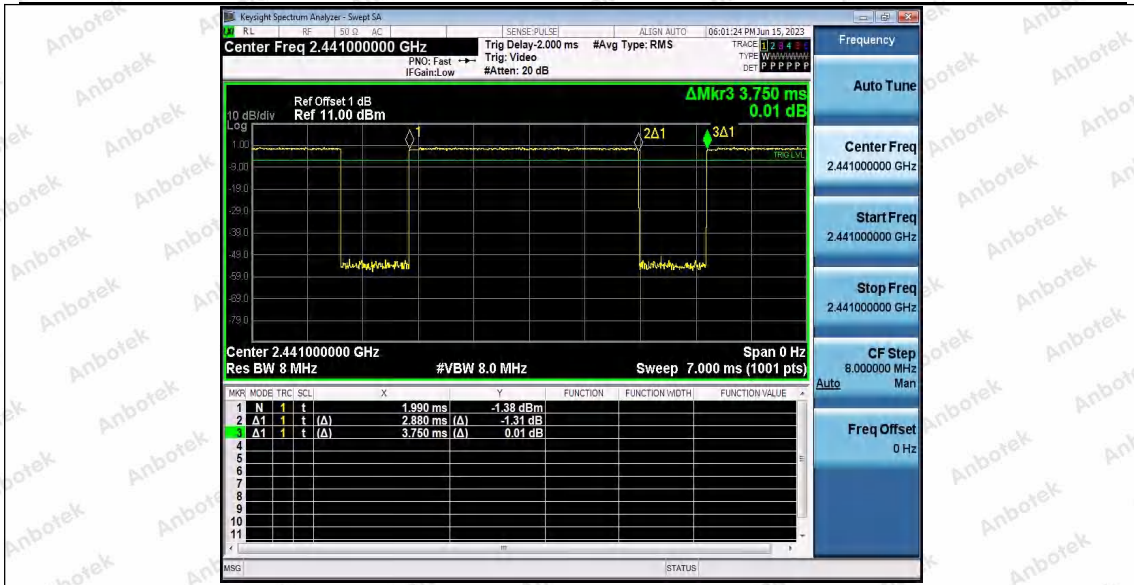
2DH5\_Ant1\_2441

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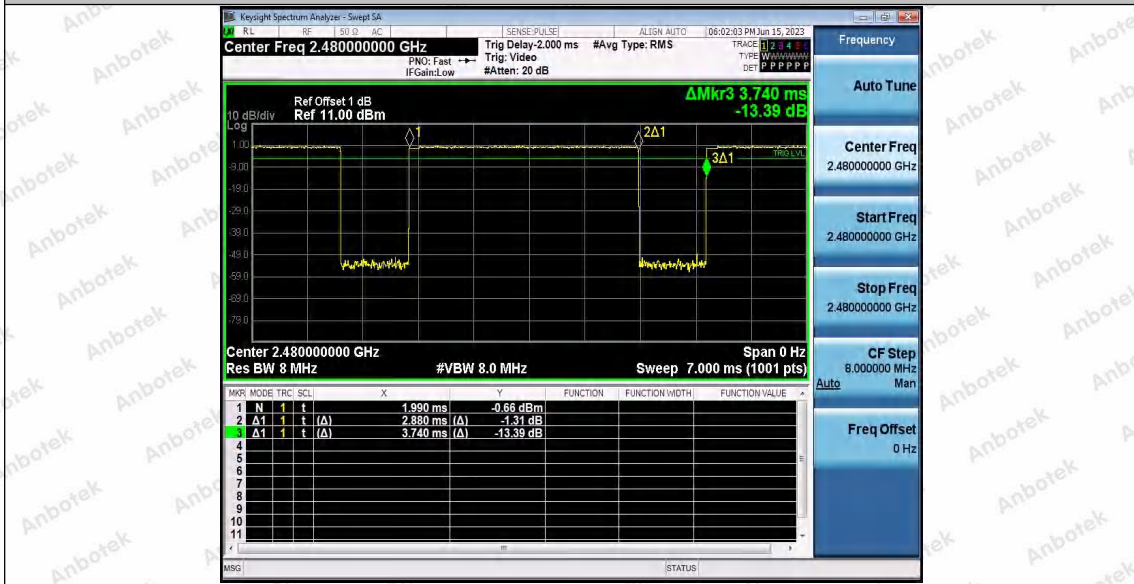
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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2DH5\_Ant1\_2480



3DH5\_Ant1\_2402

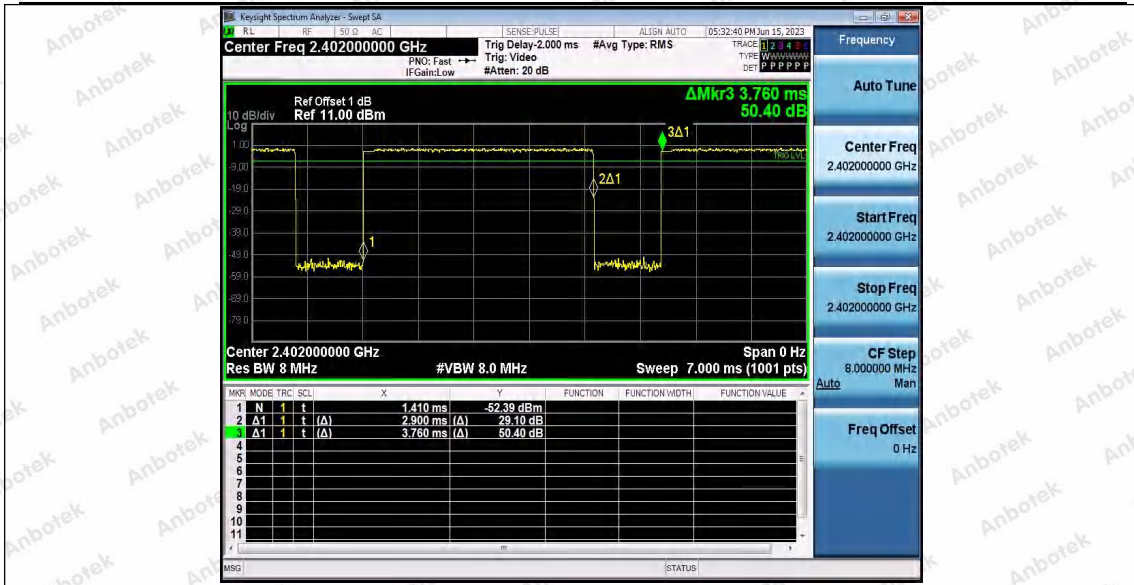
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

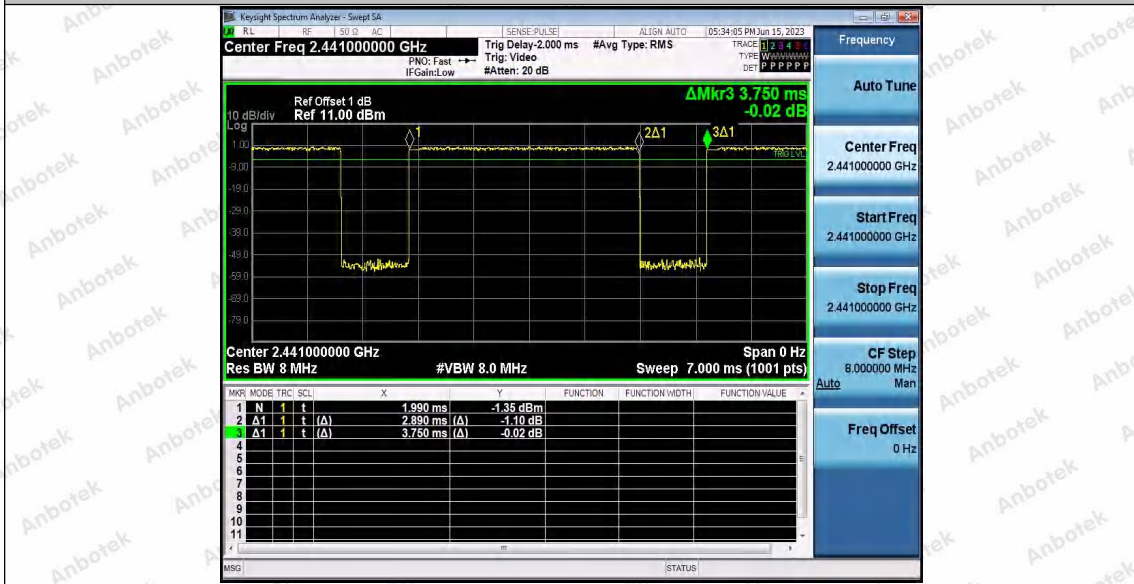
Hotline 400-003-0500  
 www.anbotek.com.cn







3DH5\_Ant1\_2441



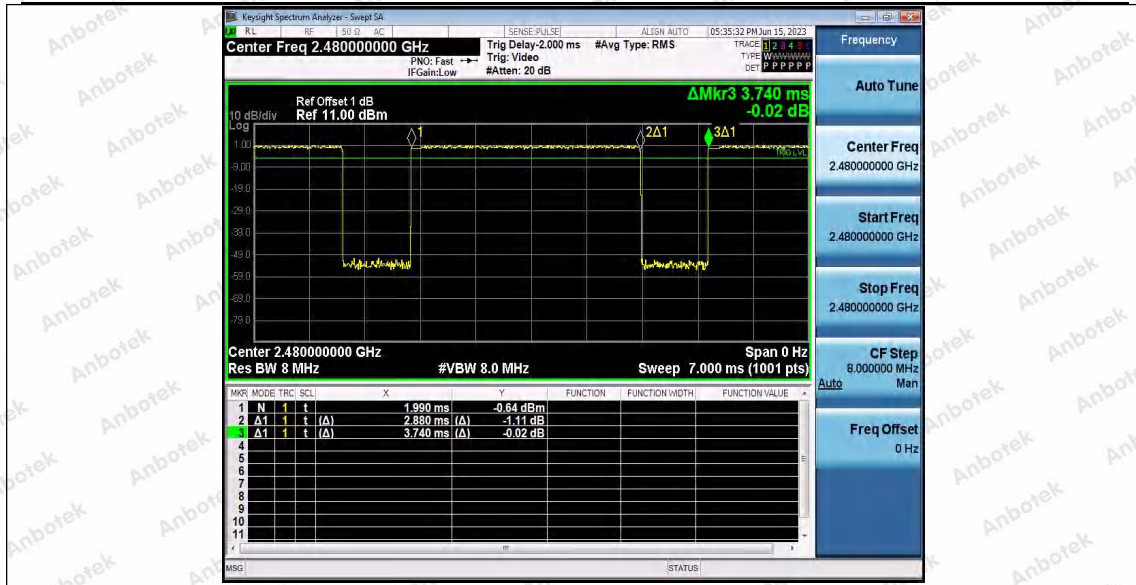
3DH5\_Ant1\_2480

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---End---

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