

## Appendix Test Data

Report No.:	18220WC40049401	Test Sample No.:	1-2-2
Start Test Date:	2024.3.20	Finish Test Date:	2024.3.22
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24°C	Relative Humidity:	49%
Pressure:	101kPa		

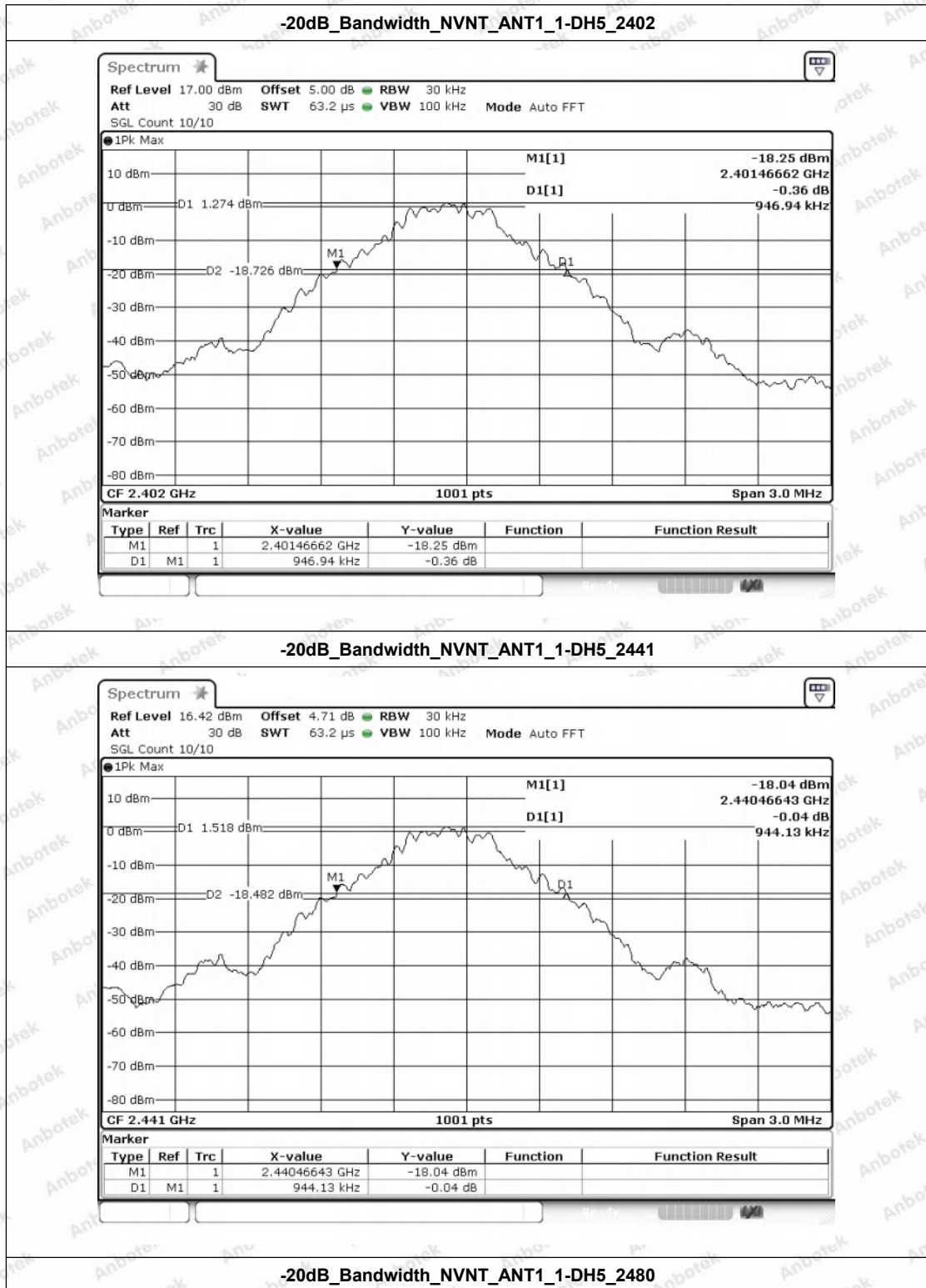
## Appendix A: -20dB Bandwidth

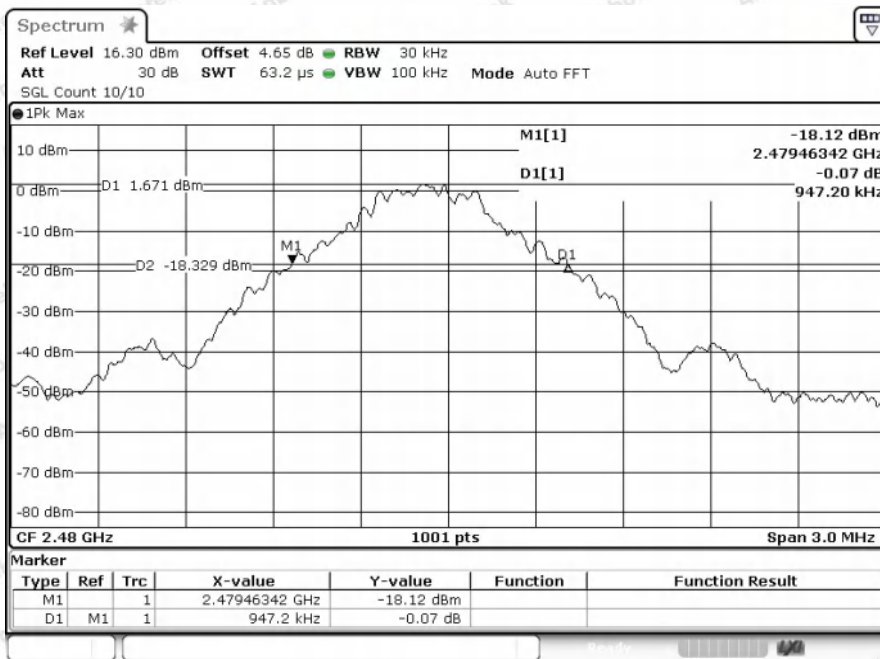
## Test Result

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.947	No
NVNT	ANT1	1-DH5	2441.00	0.944	No
NVNT	ANT1	1-DH5	2480.00	0.947	No
NVNT	ANT1	2-DH5	2402.00	1.343	Yes
NVNT	ANT1	2-DH5	2441.00	1.343	Yes
NVNT	ANT1	2-DH5	2480.00	1.343	Yes
NVNT	ANT1	3-DH5	2402.00	1.331	Yes
NVNT	ANT1	3-DH5	2441.00	1.331	Yes
NVNT	ANT1	3-DH5	2480.00	1.325	Yes

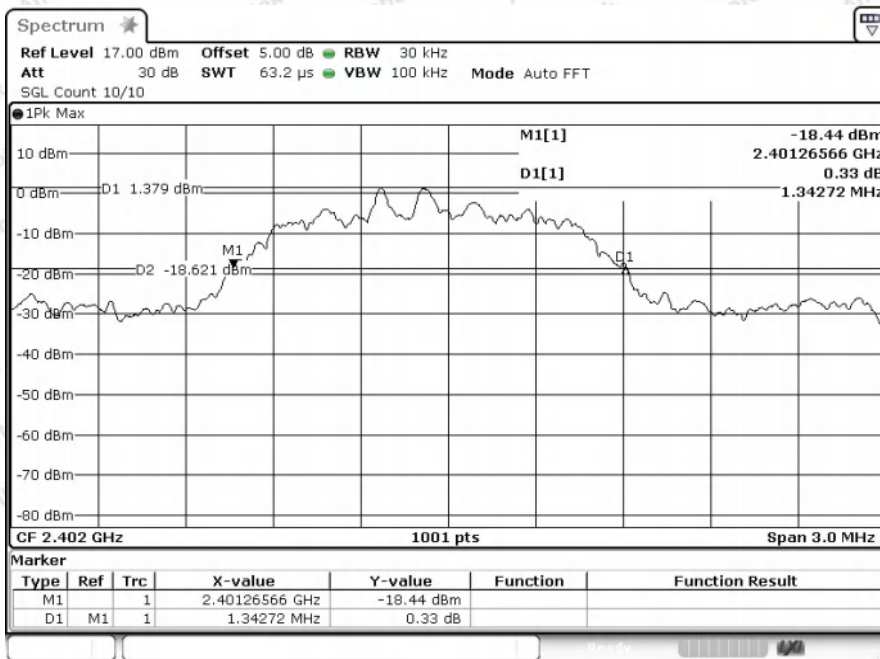


## Test Graphs



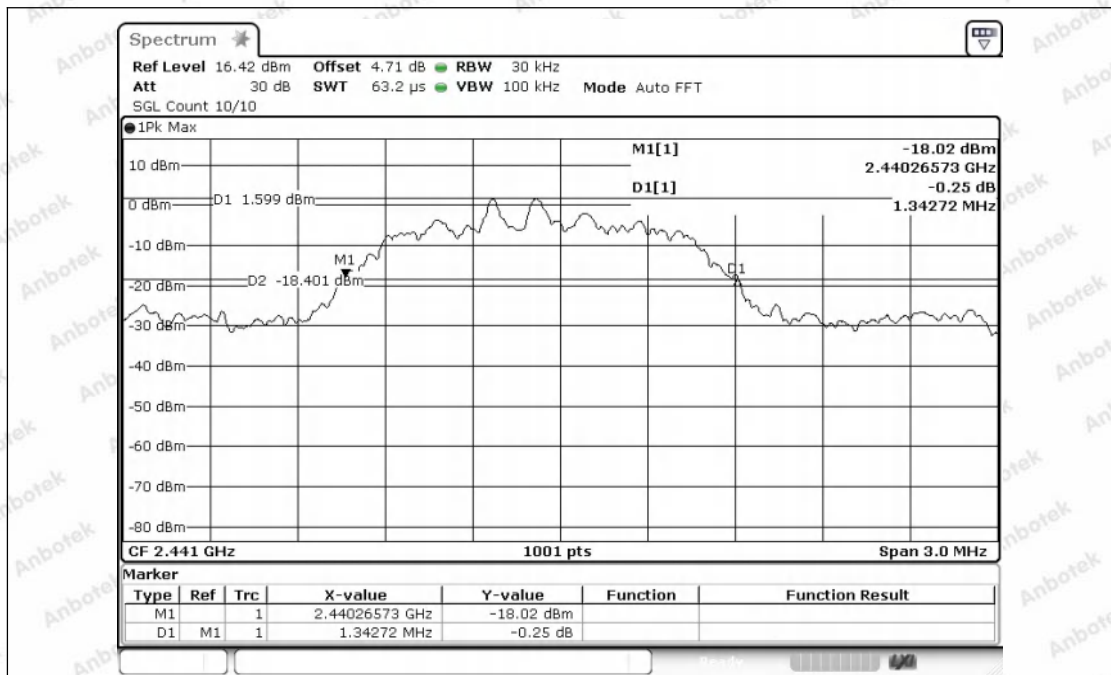


-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2402

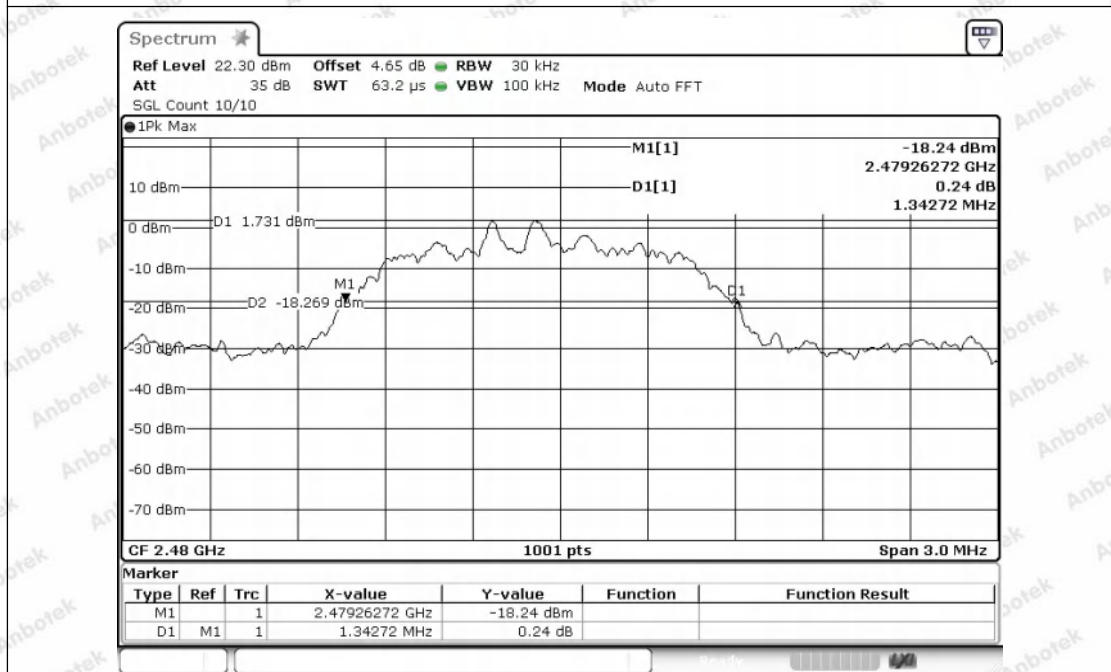


-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2441



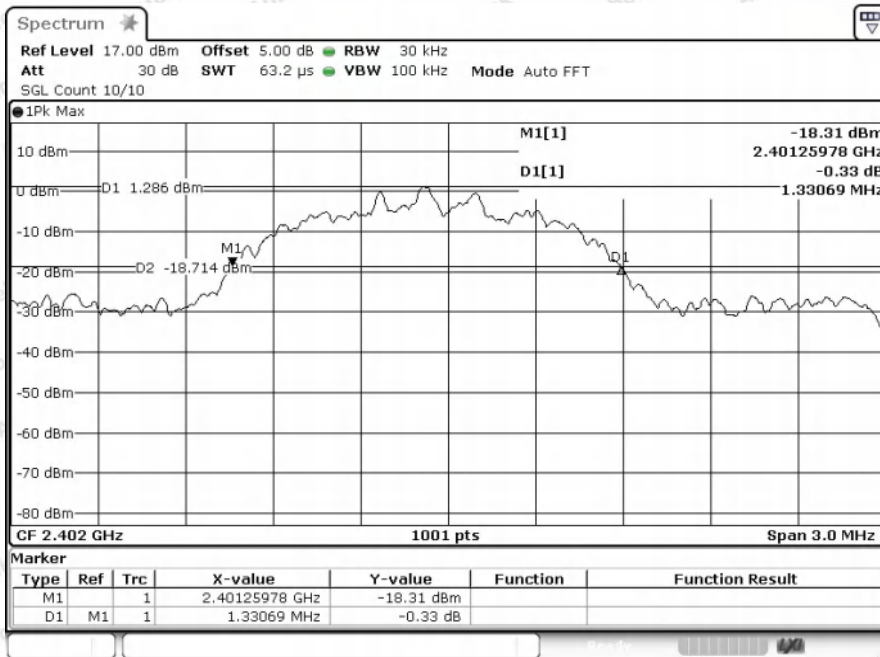


**-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2480**

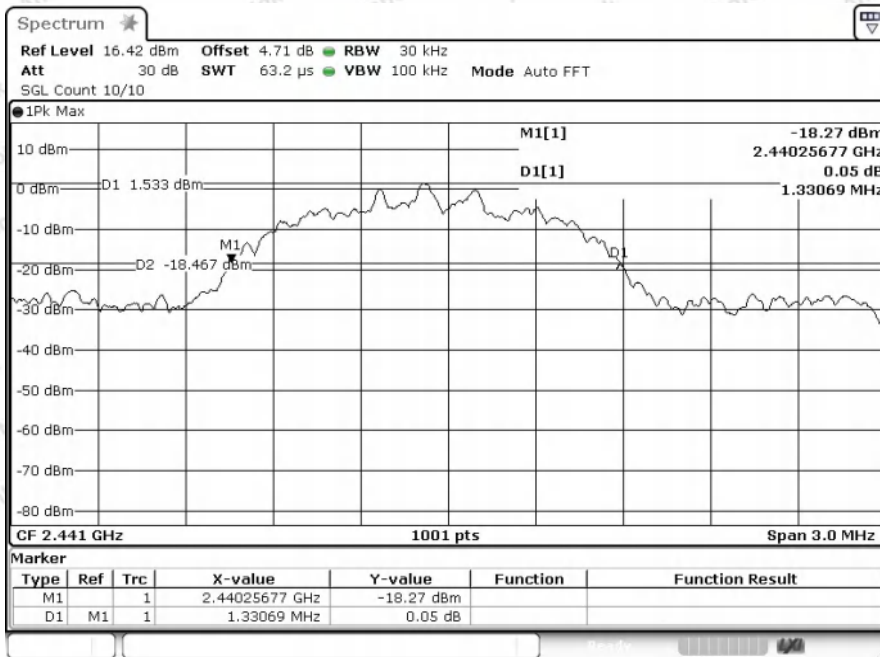


**-20dB\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2402**



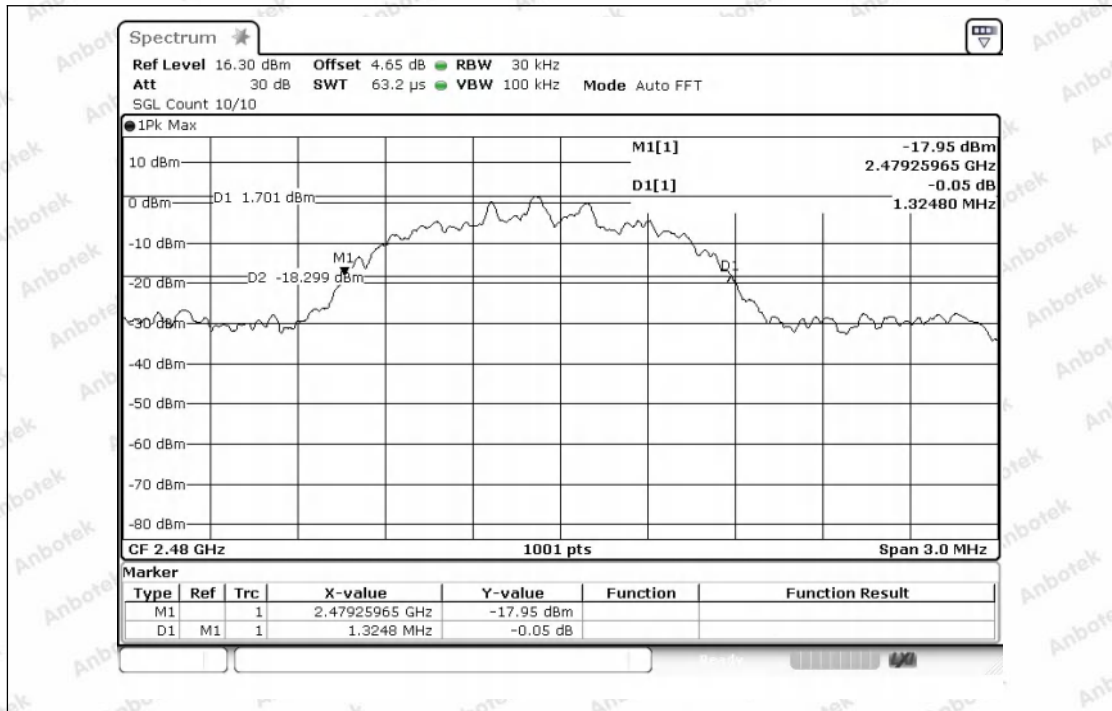


-20dB\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2441



-20dB\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2480





### 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

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

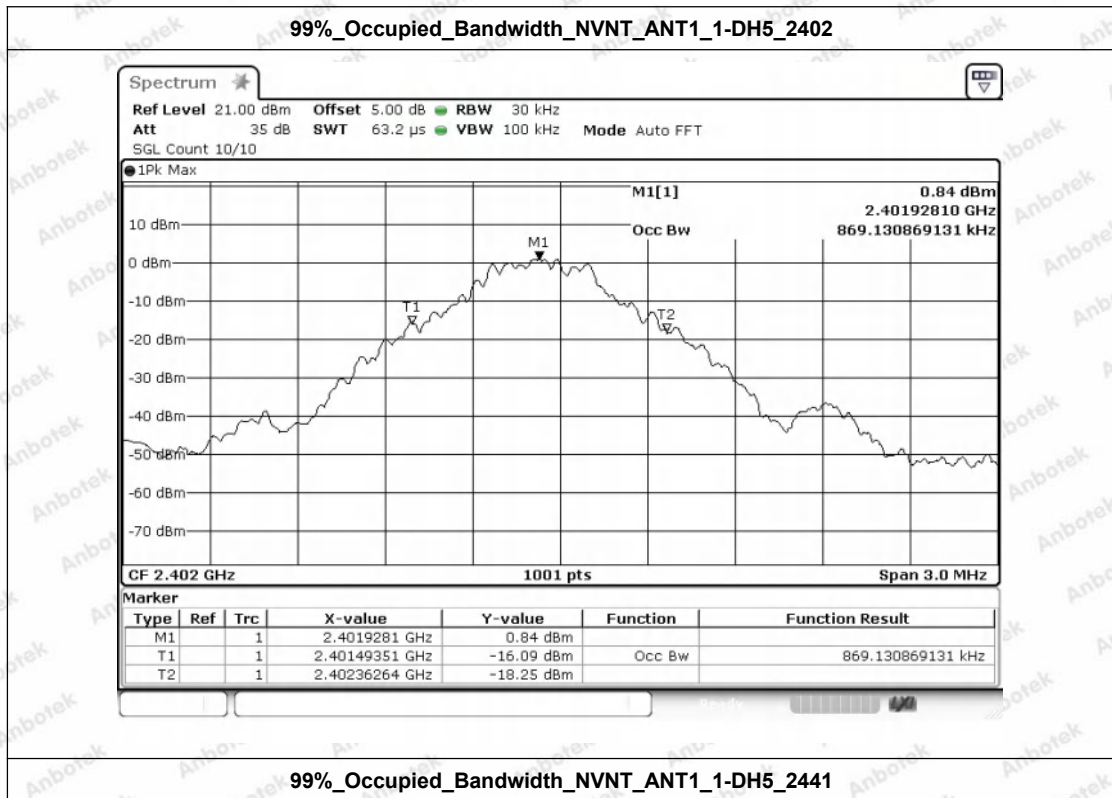


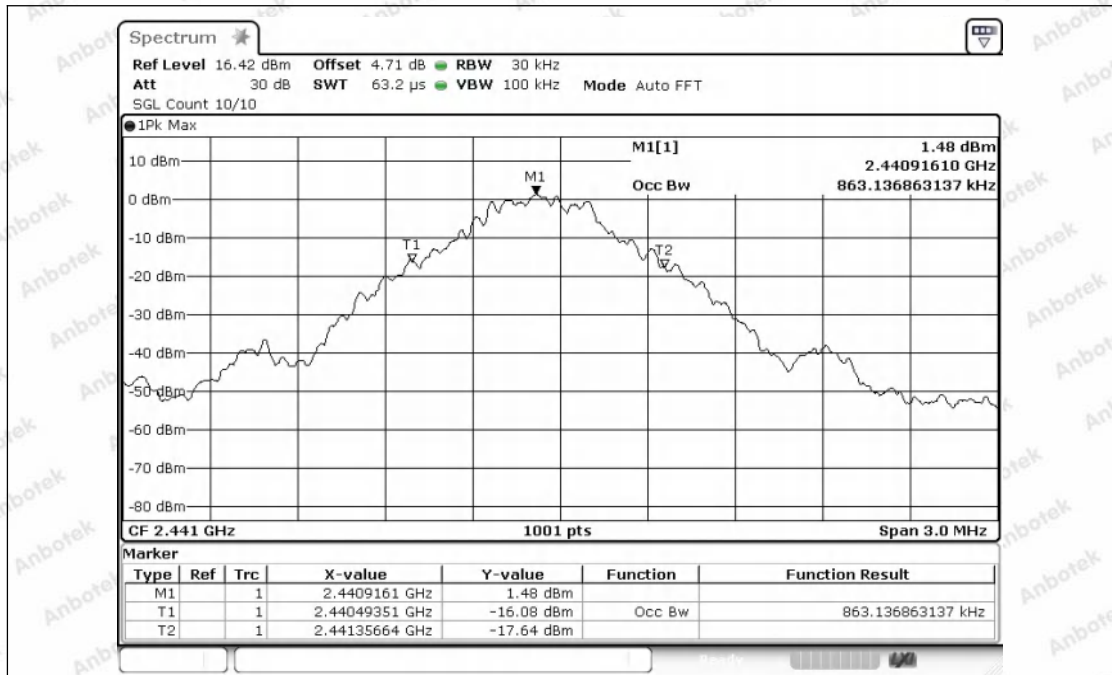
## Appendix B: 99% Occupied Bandwidth

### Test Result

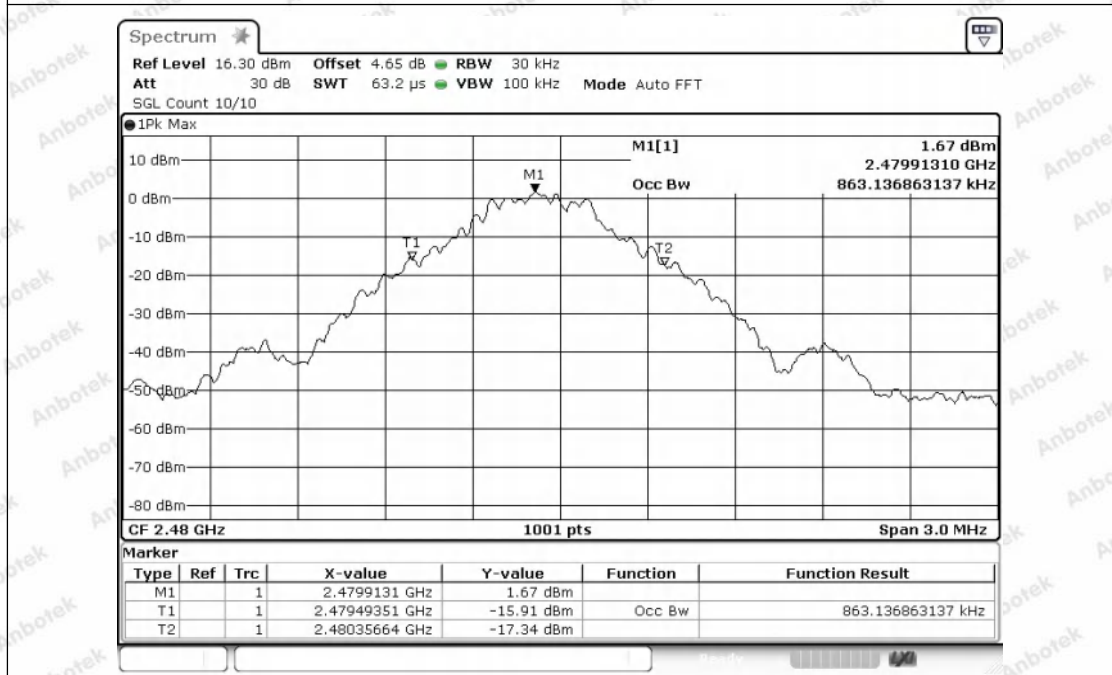
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.869
NVNT	ANT1	1-DH5	2441.00	0.863
NVNT	ANT1	1-DH5	2480.00	0.863
NVNT	ANT1	2-DH5	2402.00	1.310
NVNT	ANT1	2-DH5	2441.00	1.307
NVNT	ANT1	2-DH5	2480.00	1.256
NVNT	ANT1	3-DH5	2402.00	1.301
NVNT	ANT1	3-DH5	2441.00	1.298
NVNT	ANT1	3-DH5	2480.00	1.259

### Test Graphs





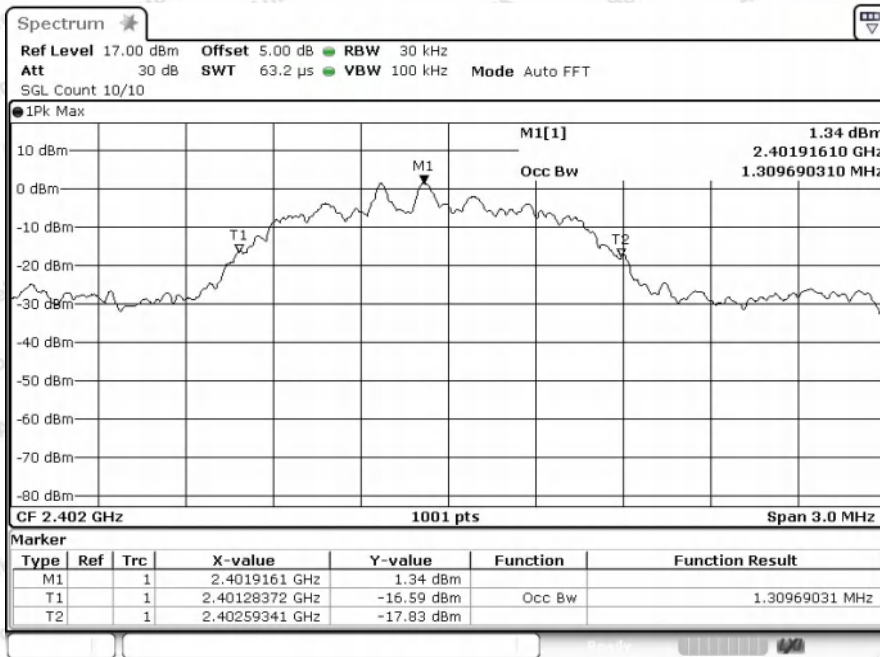
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2480



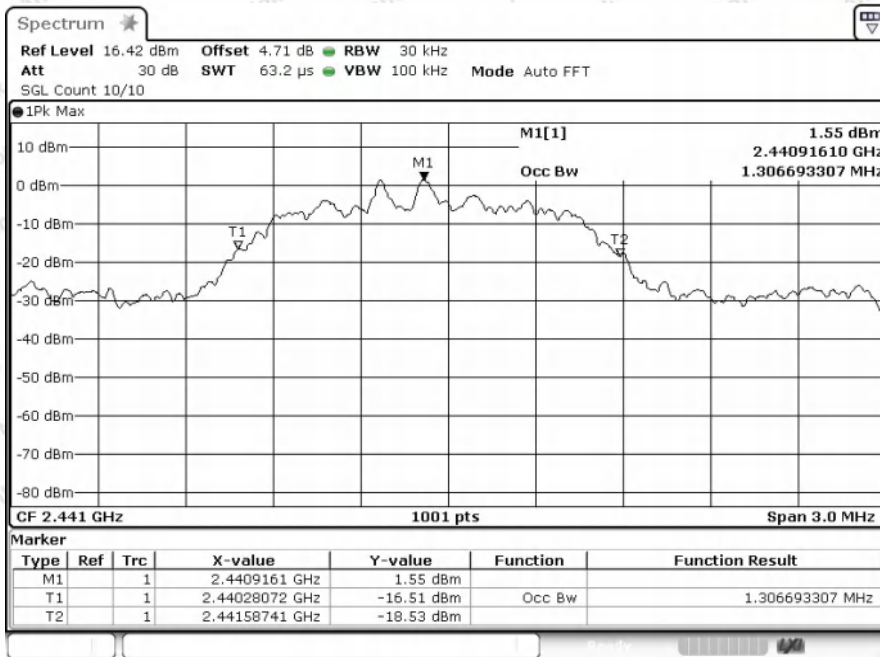
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2402





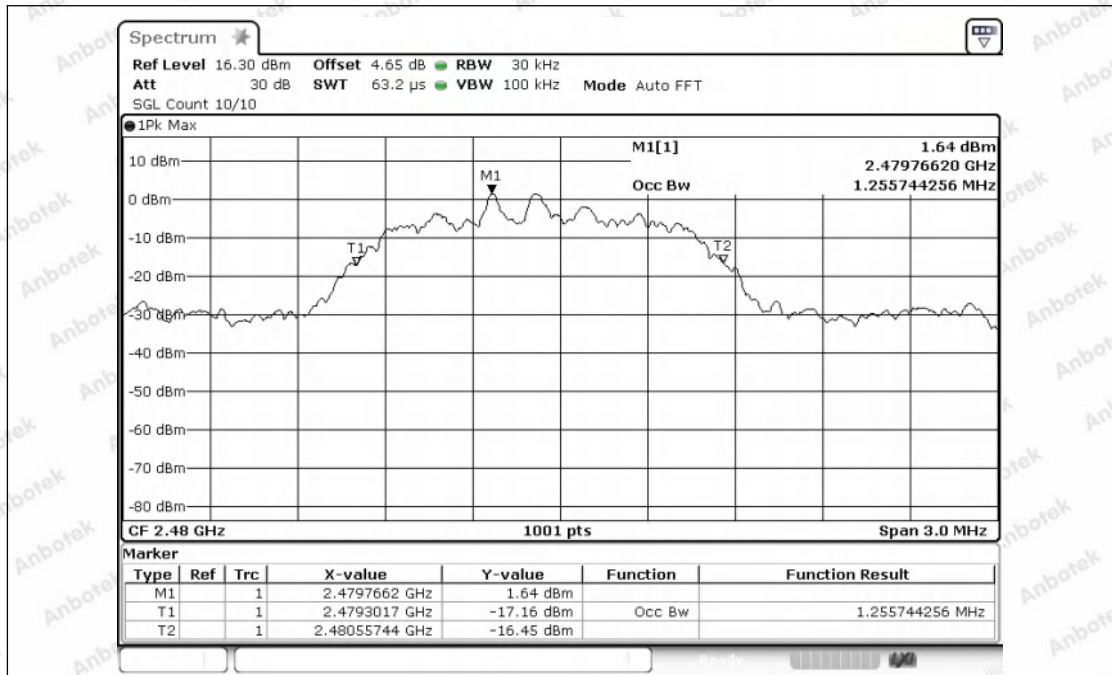


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2441

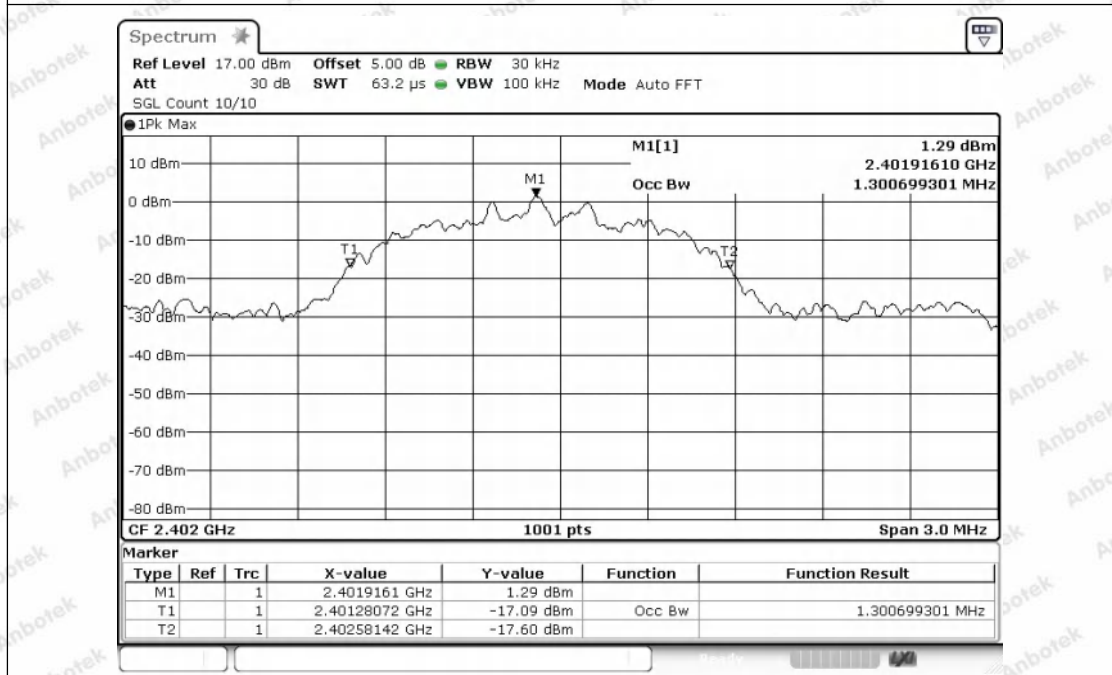


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2480



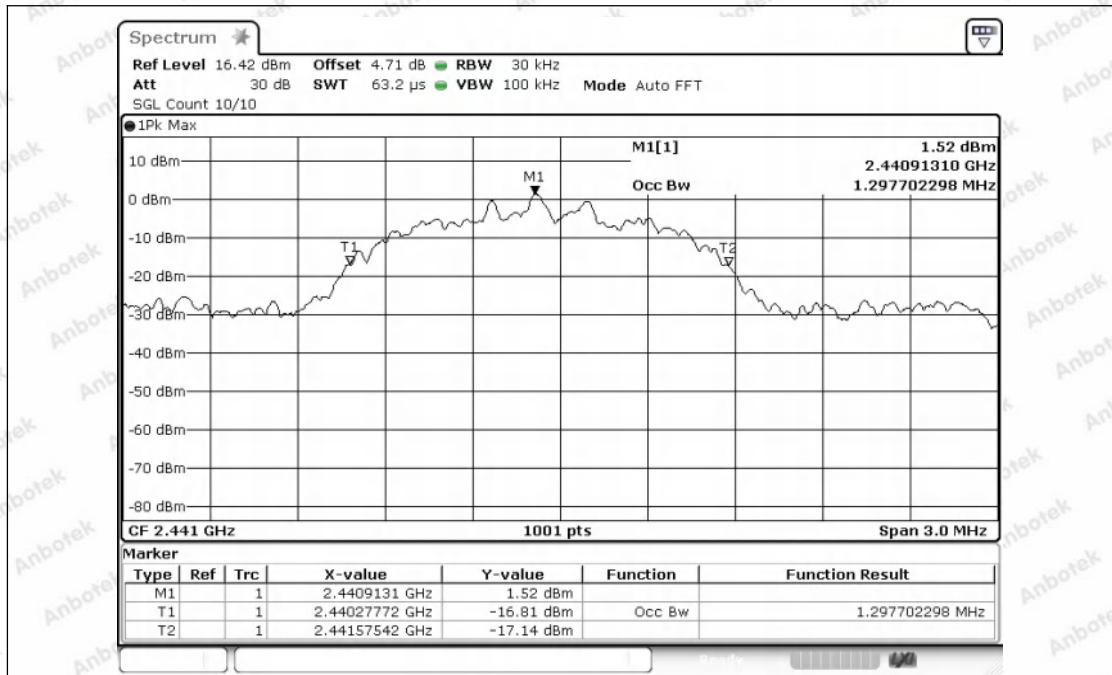


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2402

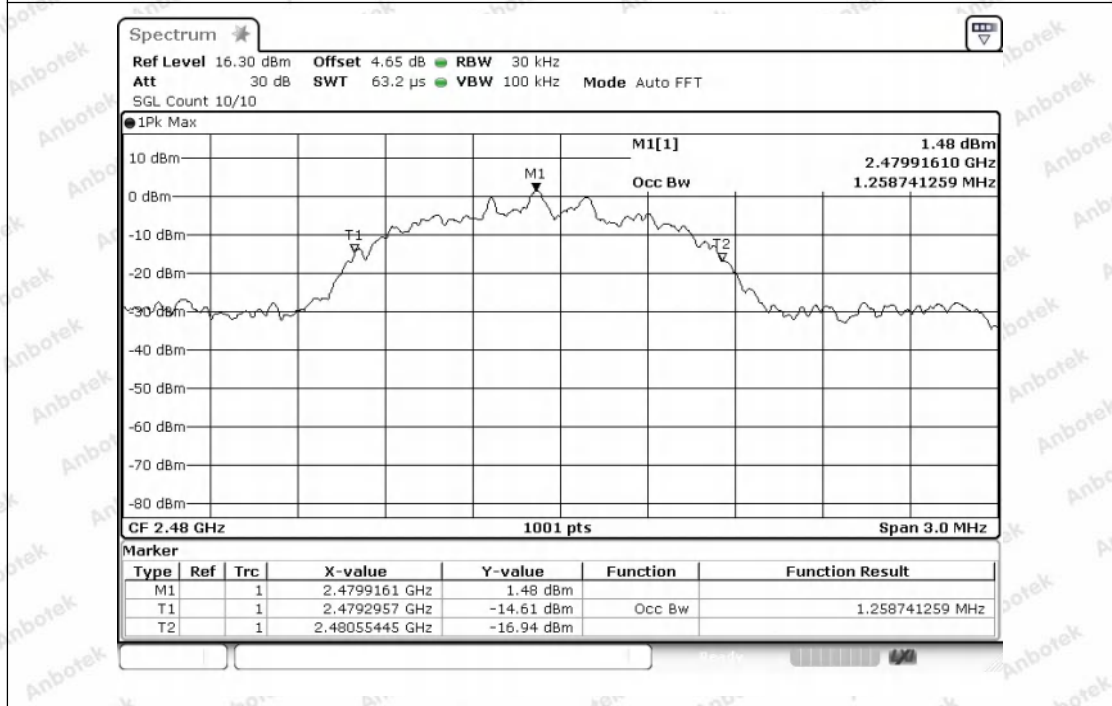


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2441





**99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2480**

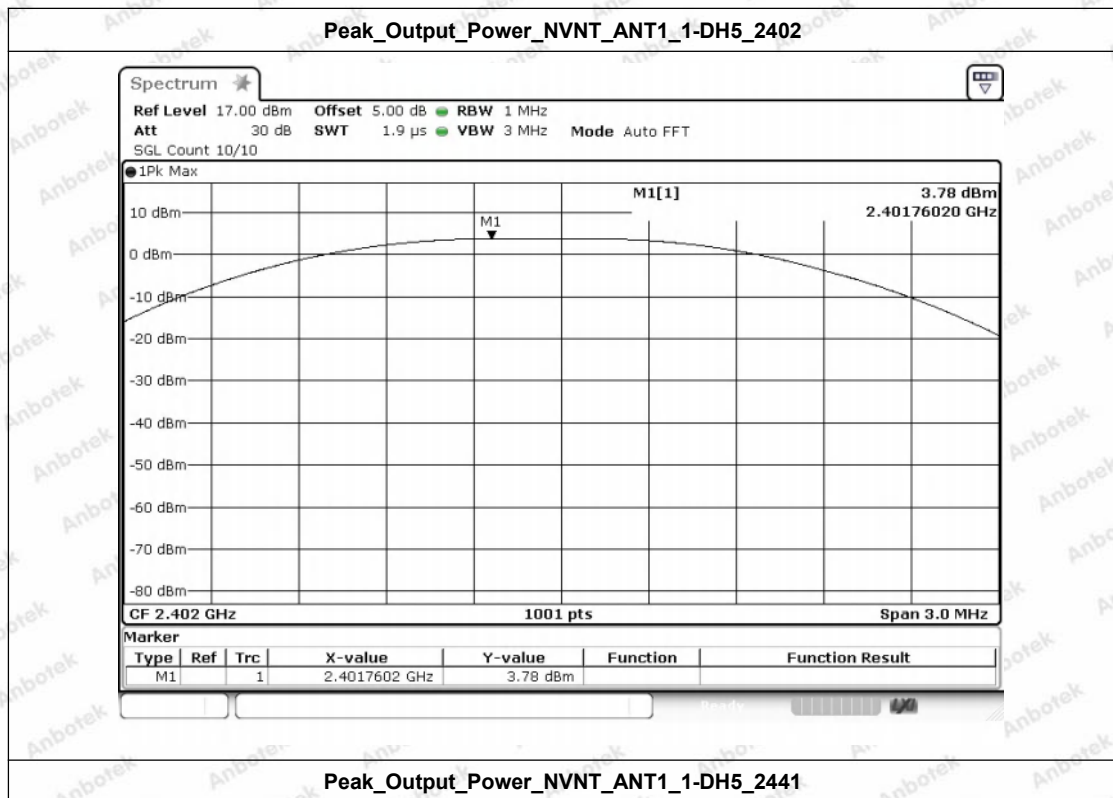


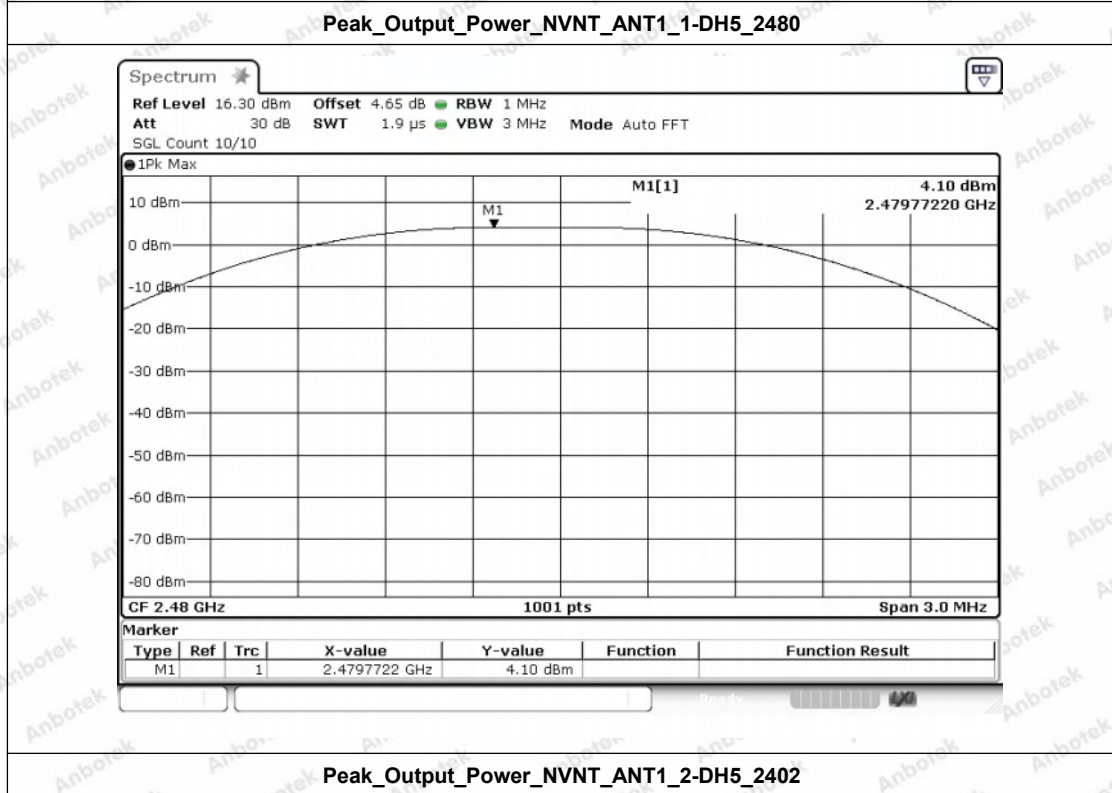
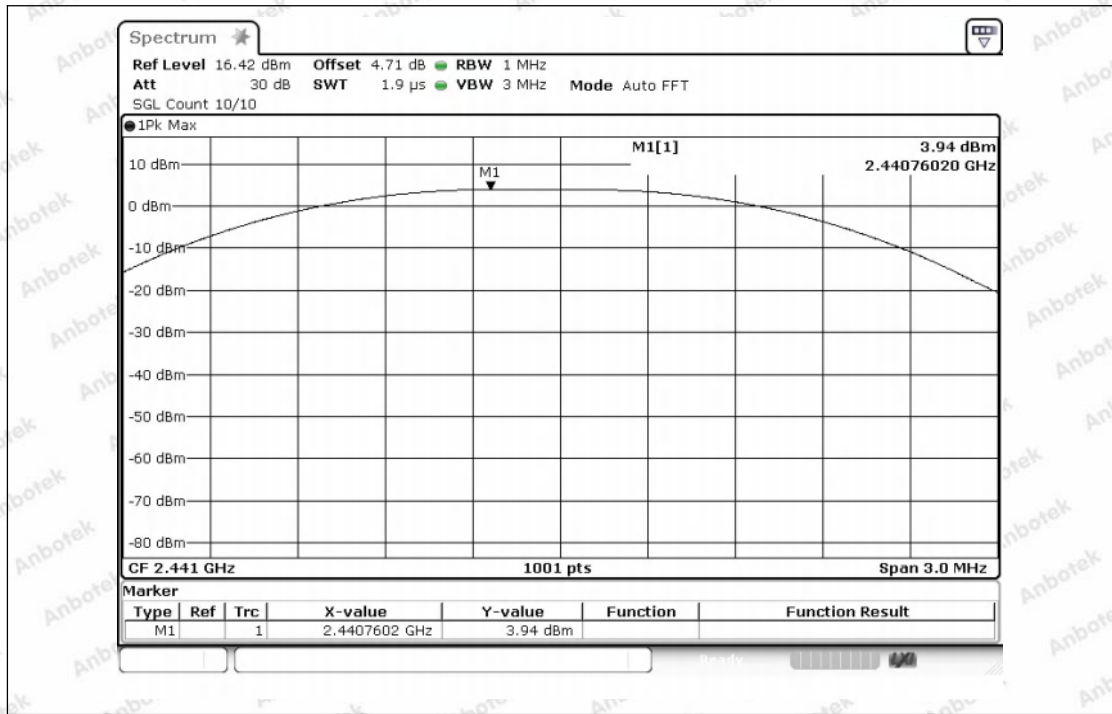
## Appendix C: Peak Output Power

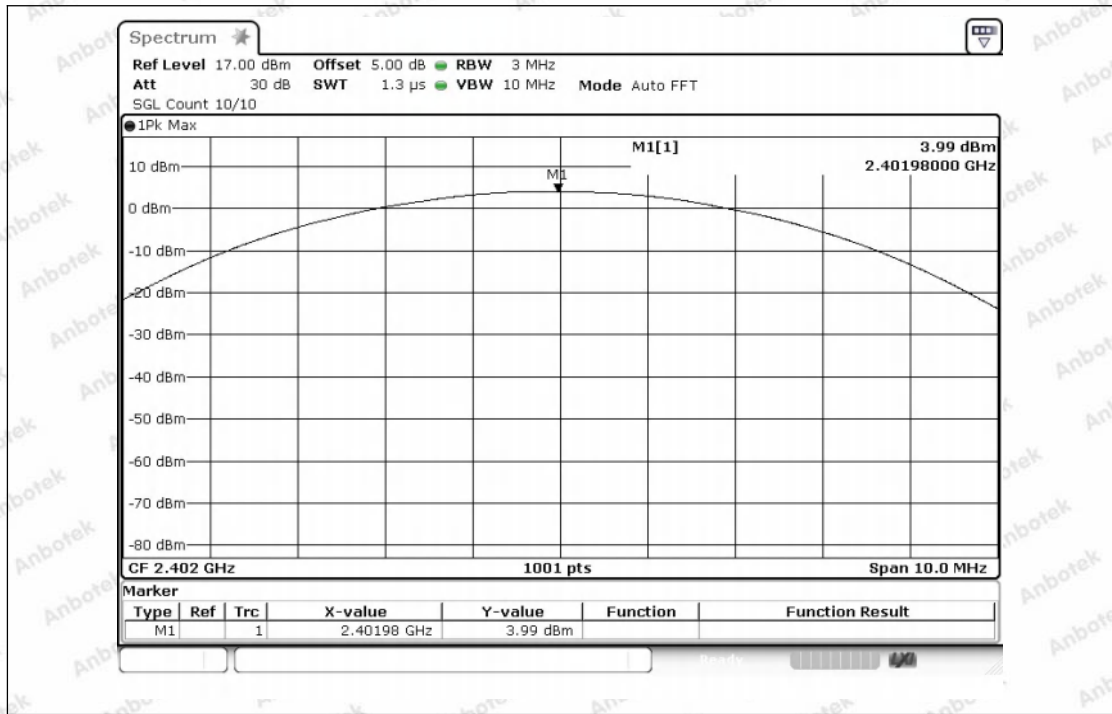
### Test Result Peak

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	3.78	2.39	1000	Pass
NVNT	ANT1	1-DH5	2441.00	3.94	2.48	1000	Pass
NVNT	ANT1	1-DH5	2480.00	4.10	2.57	1000	Pass
NVNT	ANT1	2-DH5	2402.00	3.99	2.51	125	Pass
NVNT	ANT1	2-DH5	2441.00	4.19	2.63	125	Pass
NVNT	ANT1	2-DH5	2480.00	4.40	2.75	125	Pass
NVNT	ANT1	3-DH5	2402.00	4.05	2.54	125	Pass
NVNT	ANT1	3-DH5	2441.00	4.26	2.67	125	Pass
NVNT	ANT1	3-DH5	2480.00	4.49	2.81	125	Pass

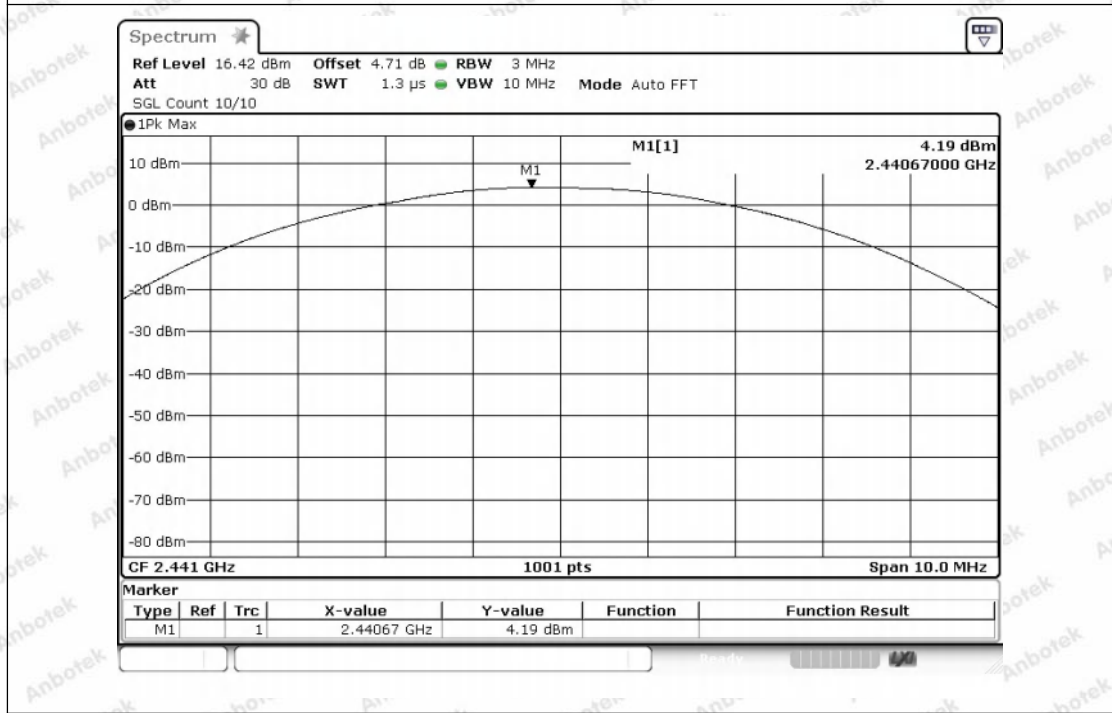
### Test Graphs Peak





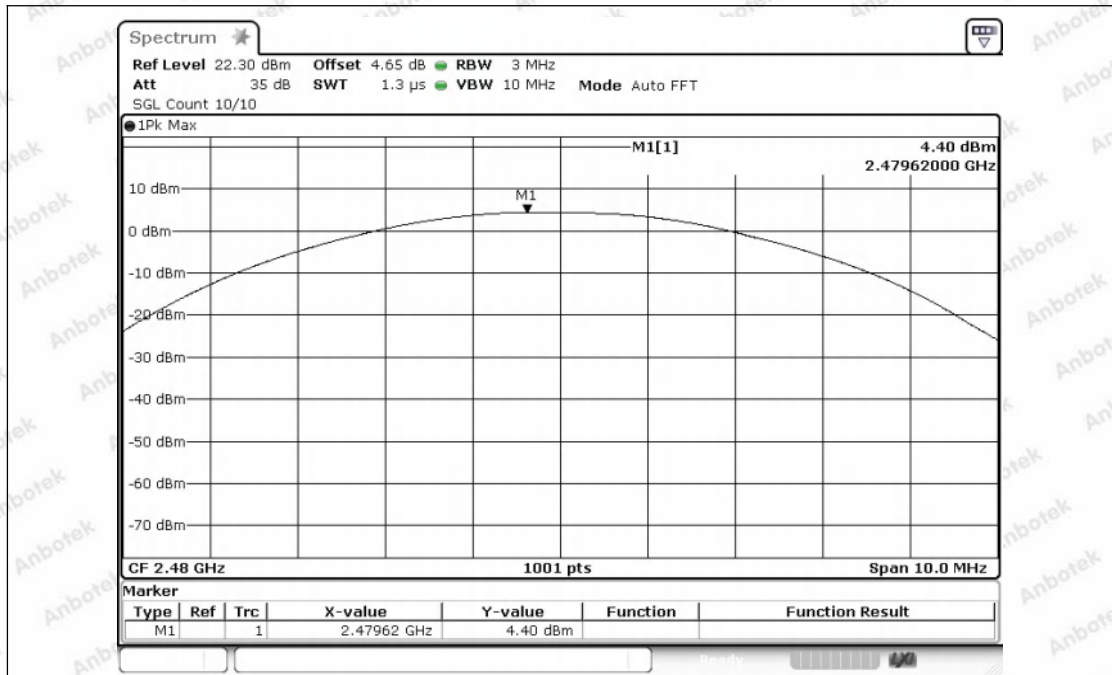


Peak\_Output\_Power\_NVNT\_ANT1\_2-DH5\_2441

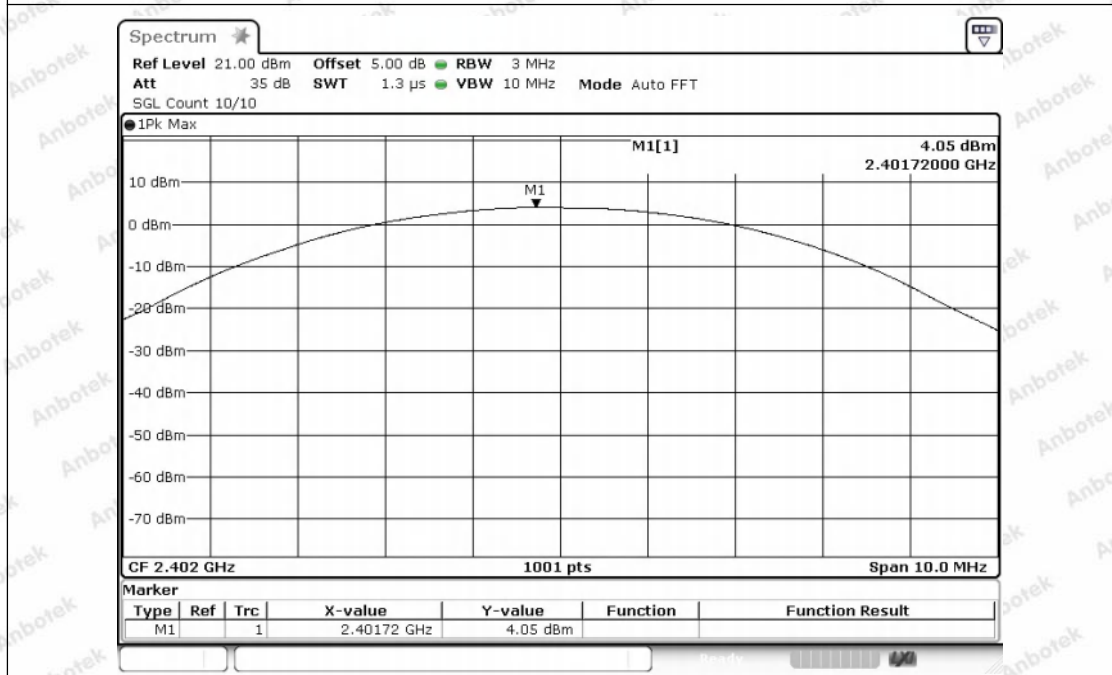


Peak\_Output\_Power\_NVNT\_ANT1\_2-DH5\_2480



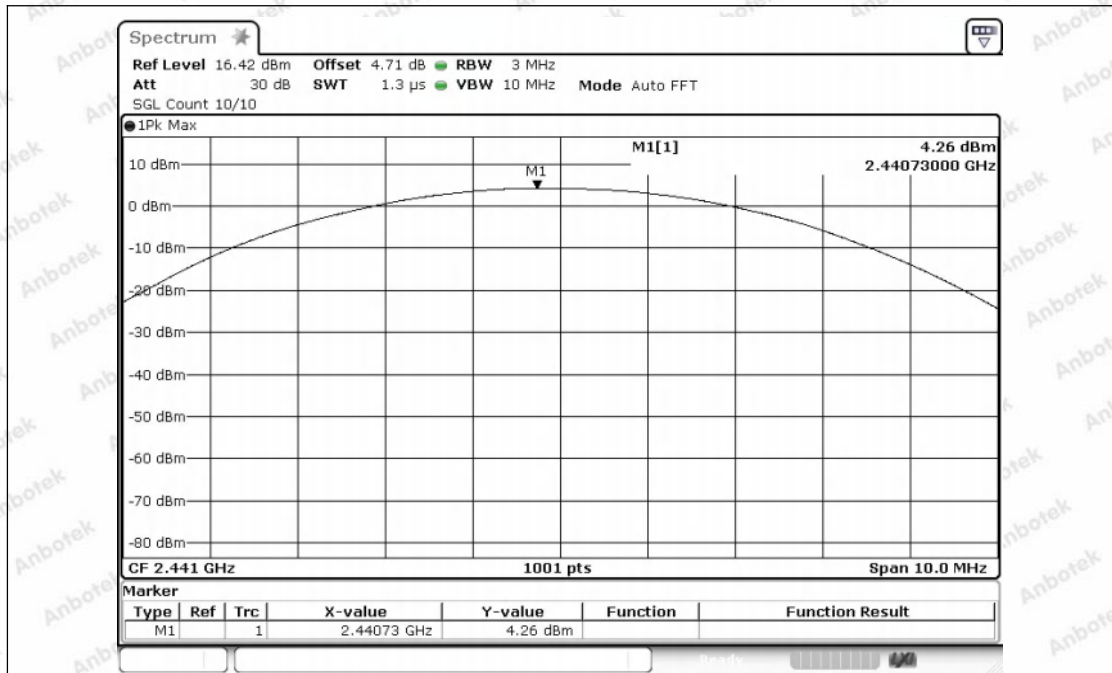


Peak\_Output\_Power\_NVNT\_ANT1\_3-DH5\_2402

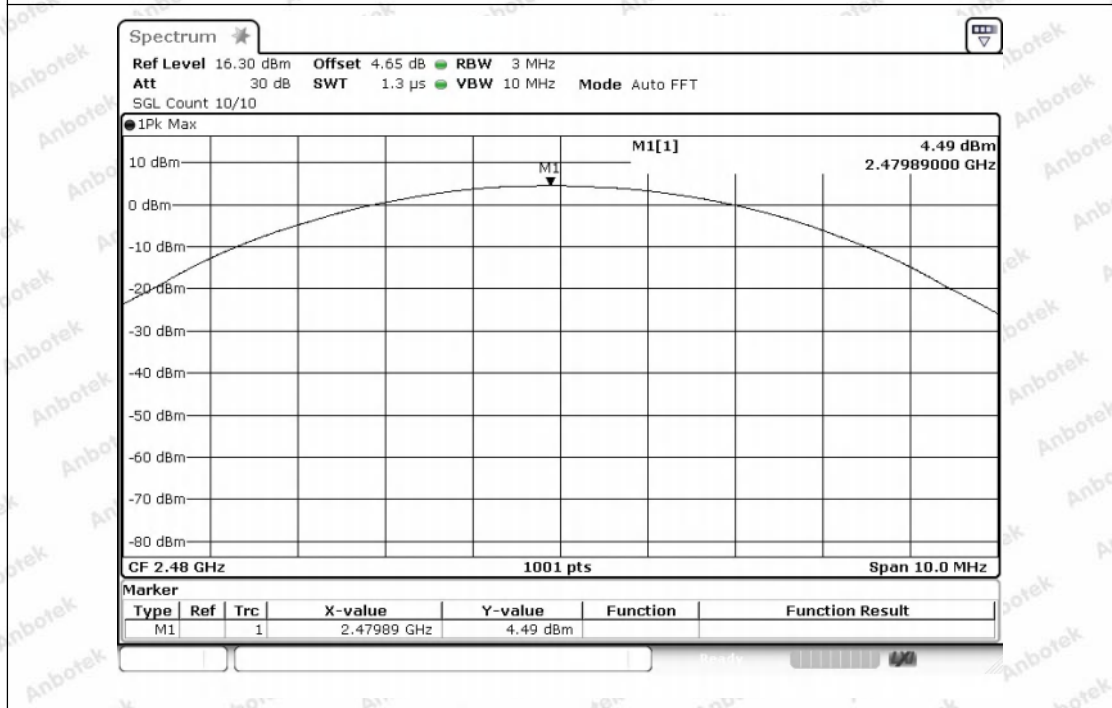


Peak\_Output\_Power\_NVNT\_ANT1\_3-DH5\_2441





Peak\_Output\_Power\_NVNT\_ANT1\_3-DH5\_2480



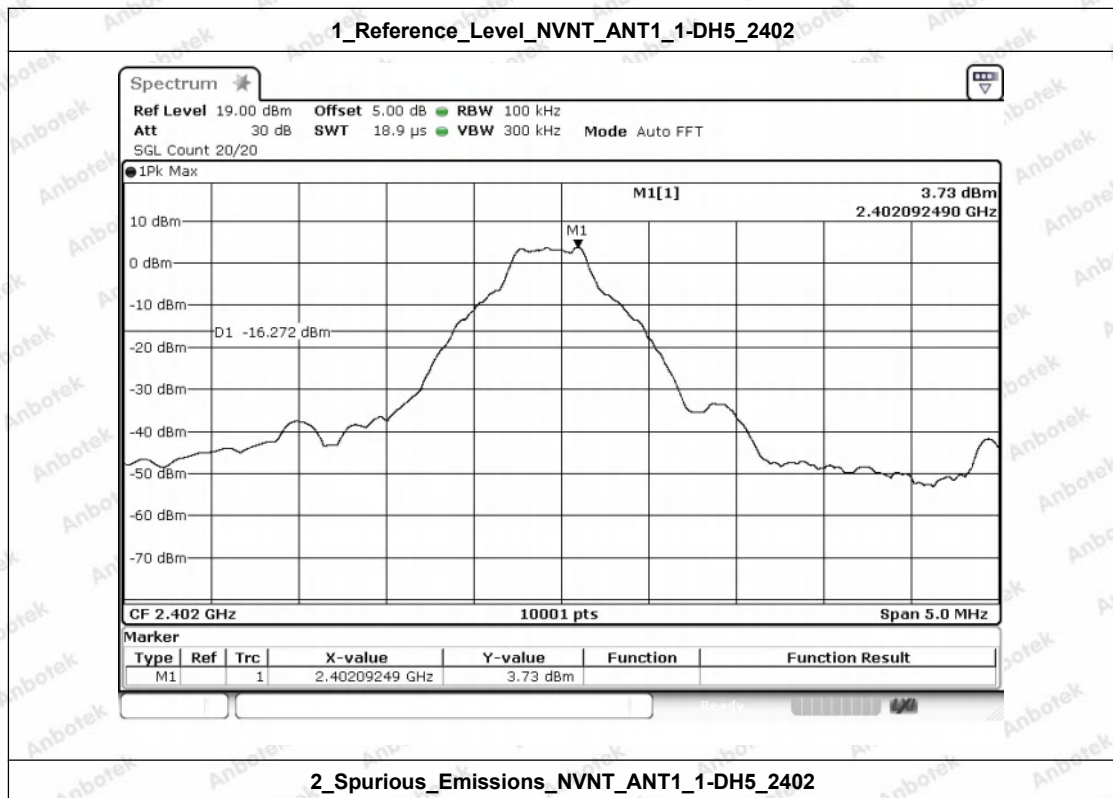


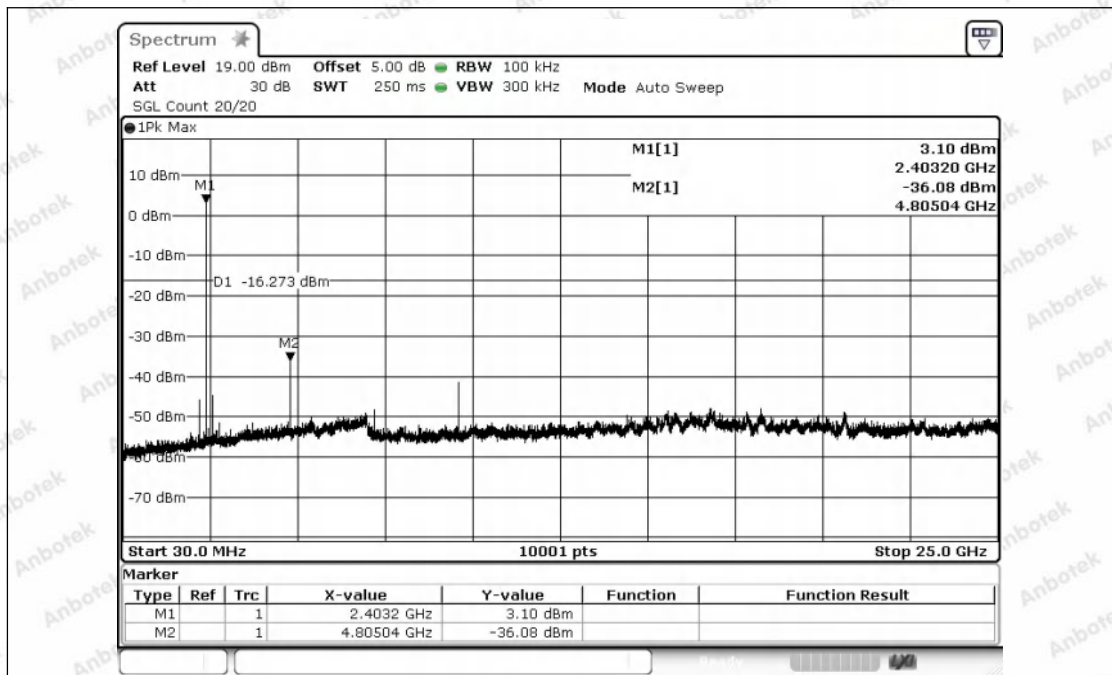
## Appendix D: Spurious Emissions

### Test Result

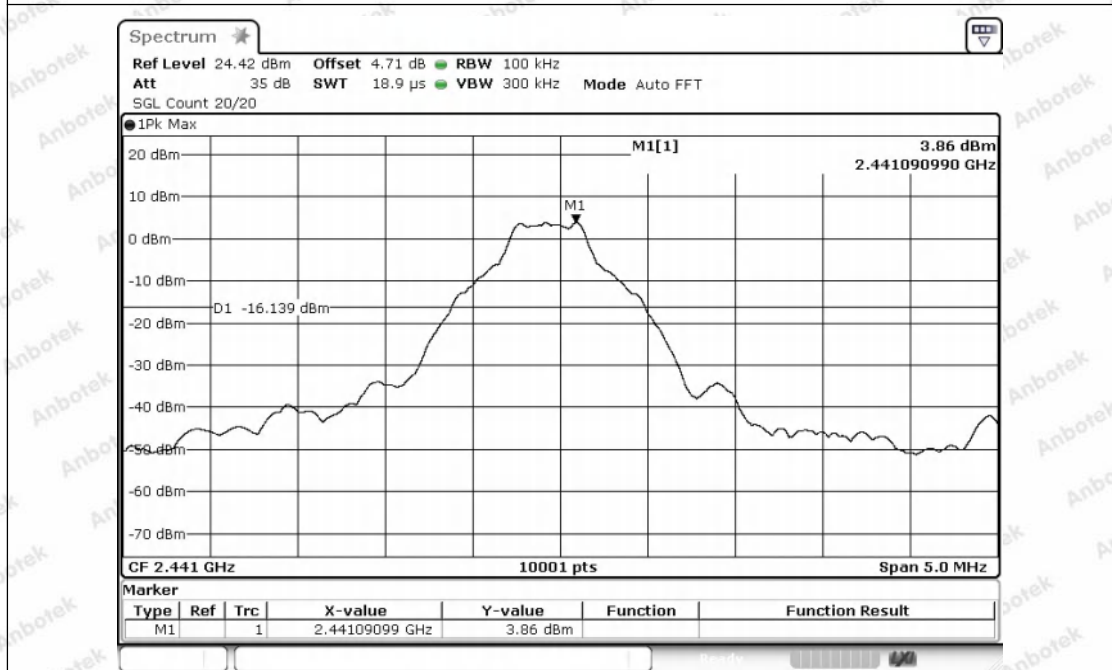
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-36.078	-16.273	Pass
NVNT	ANT1	1-DH5	2441.00	-36.543	-16.139	Pass
NVNT	ANT1	1-DH5	2480.00	-38.188	-15.996	Pass
NVNT	ANT1	2-DH5	2402.00	-35.974	-16.249	Pass
NVNT	ANT1	2-DH5	2441.00	-38.375	-16.084	Pass
NVNT	ANT1	2-DH5	2480.00	-38.292	-15.908	Pass
NVNT	ANT1	3-DH5	2402.00	-41.285	-16.330	Pass
NVNT	ANT1	3-DH5	2441.00	-36.975	-16.133	Pass
NVNT	ANT1	3-DH5	2480.00	-38.588	-15.957	Pass

### Test Graphs



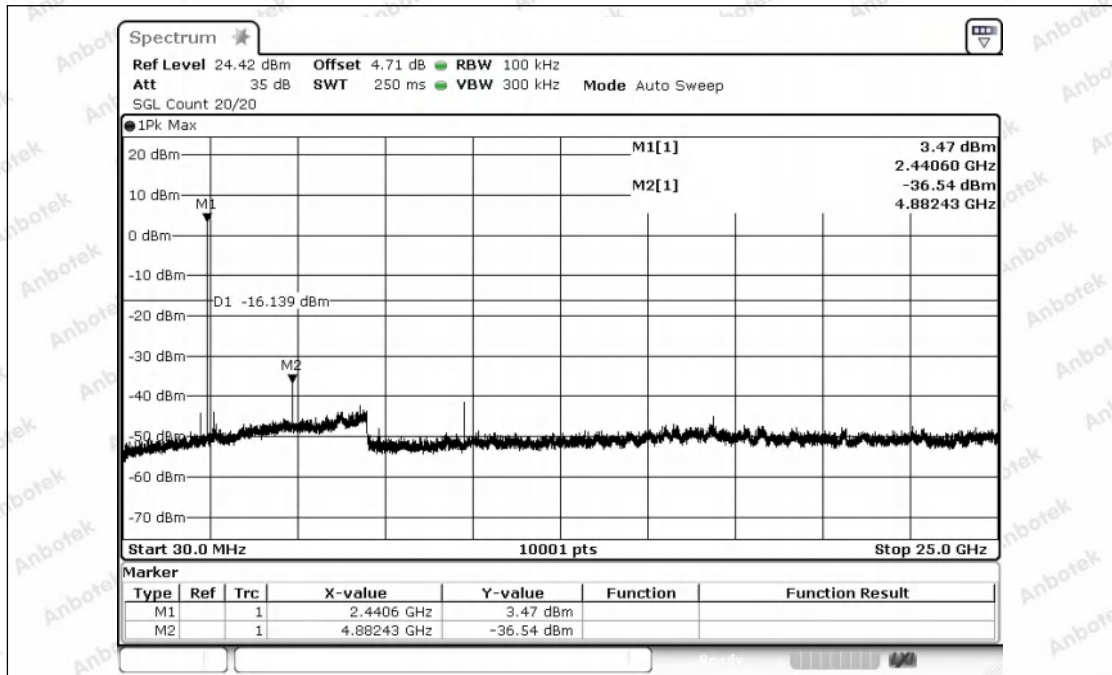


1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2441

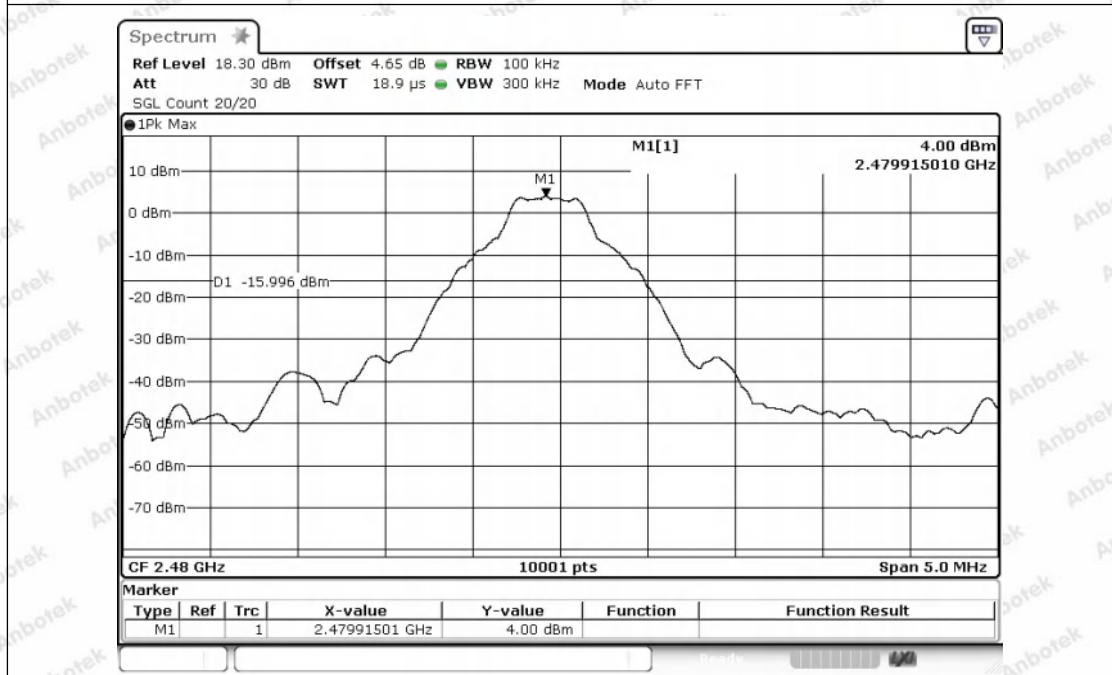


2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2441



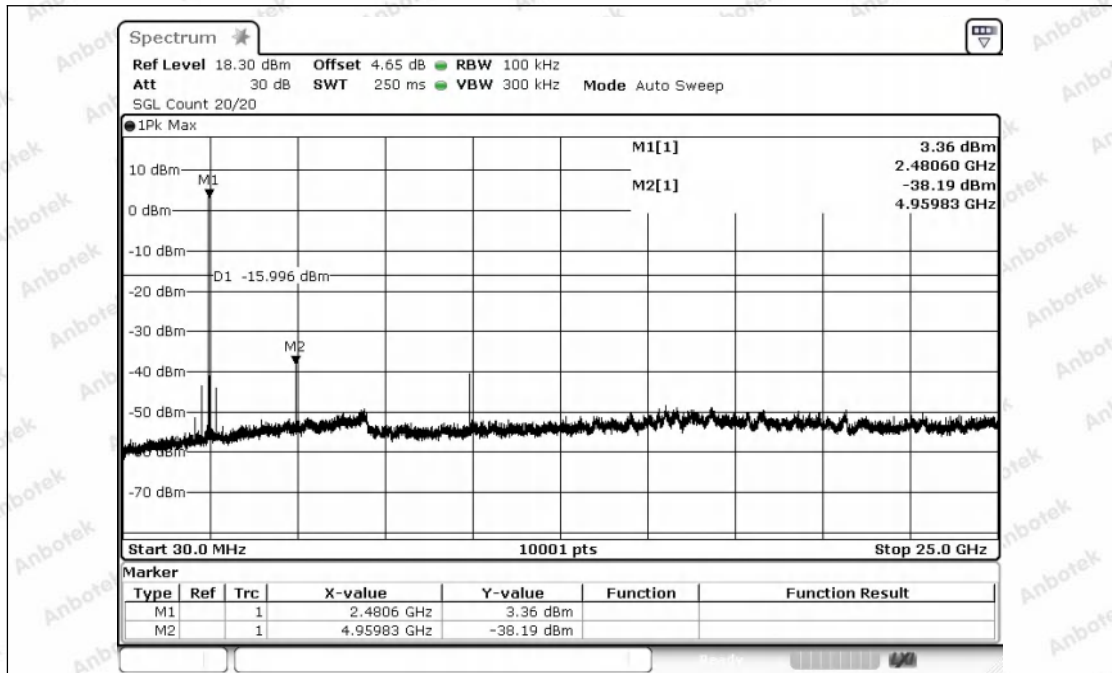


1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480

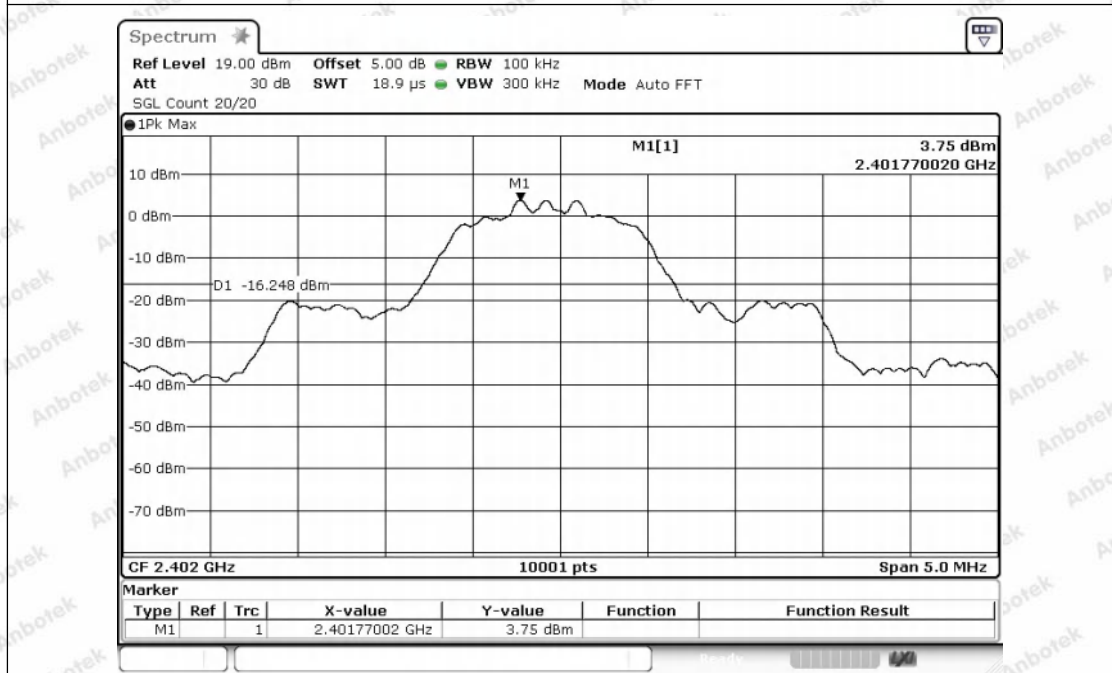


2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2480



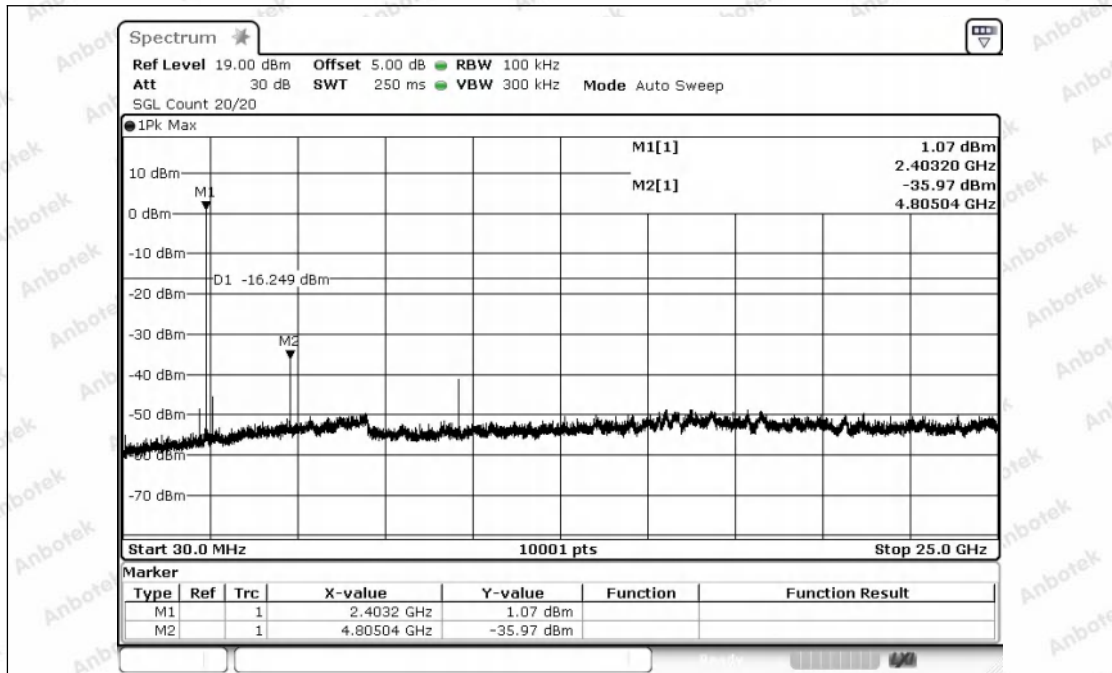


1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2402

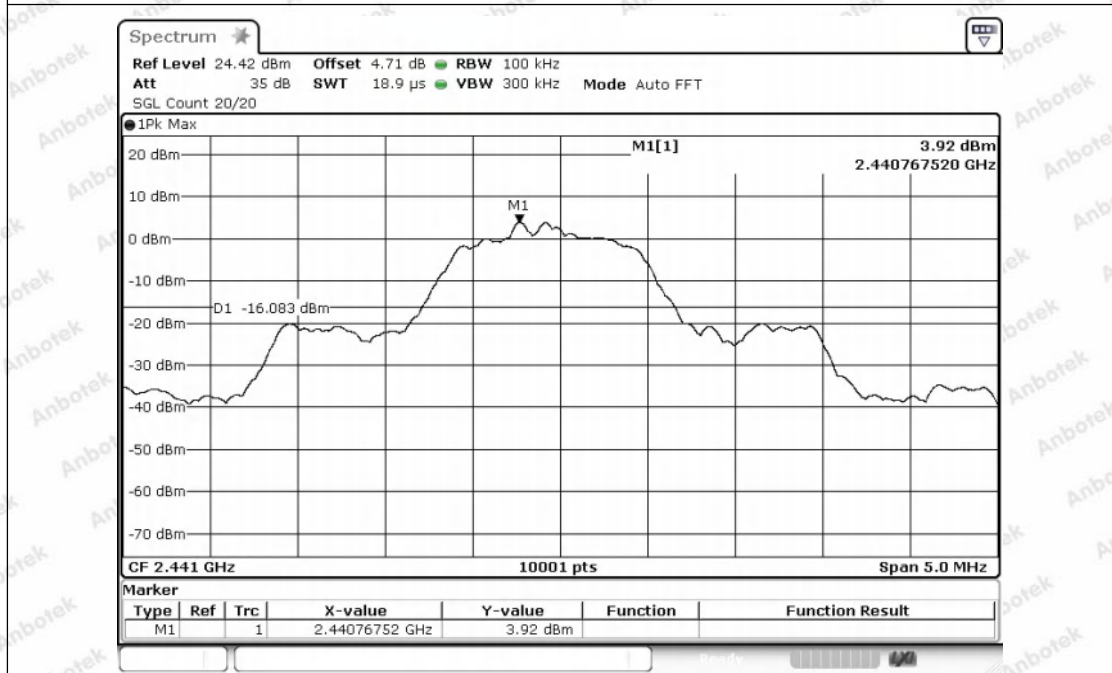


2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2402



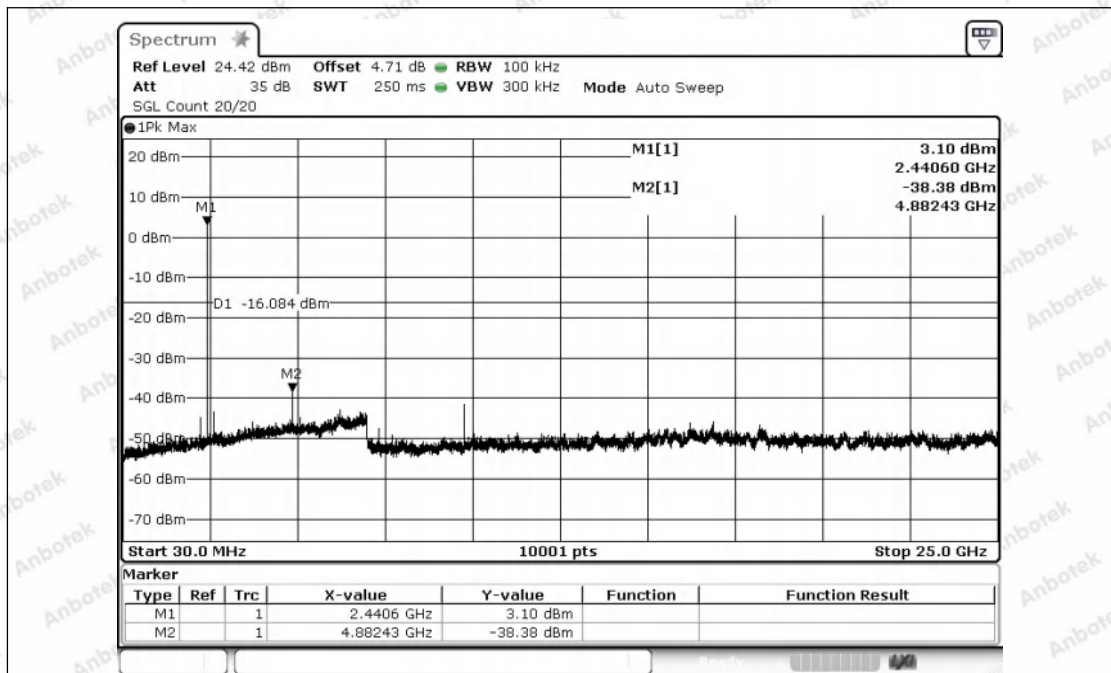


1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2441

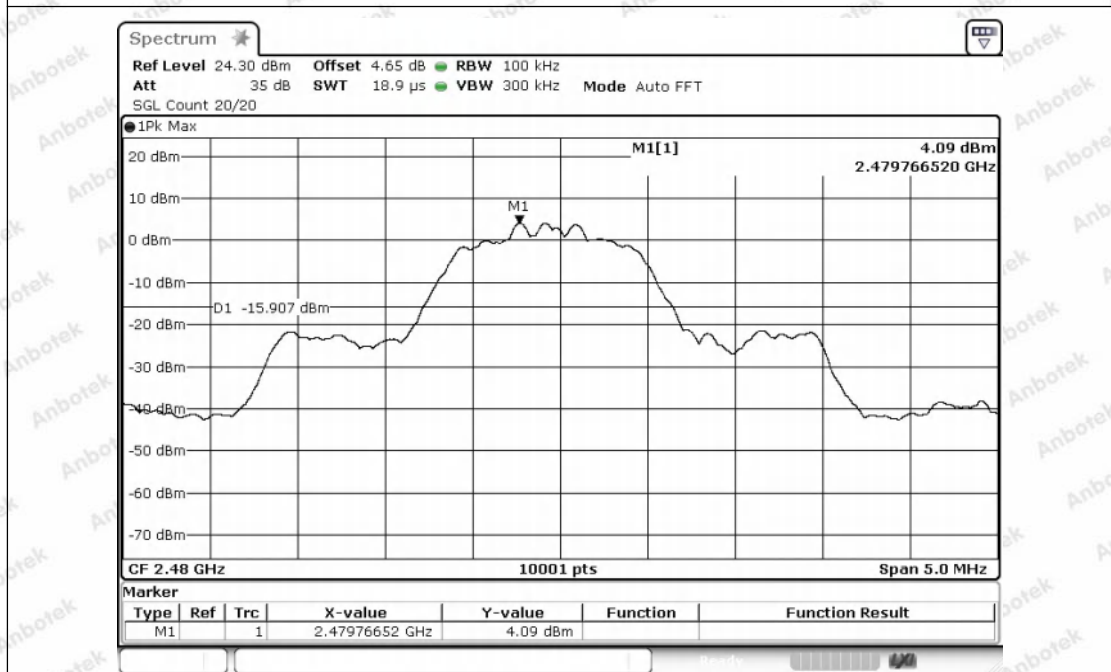


2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2441



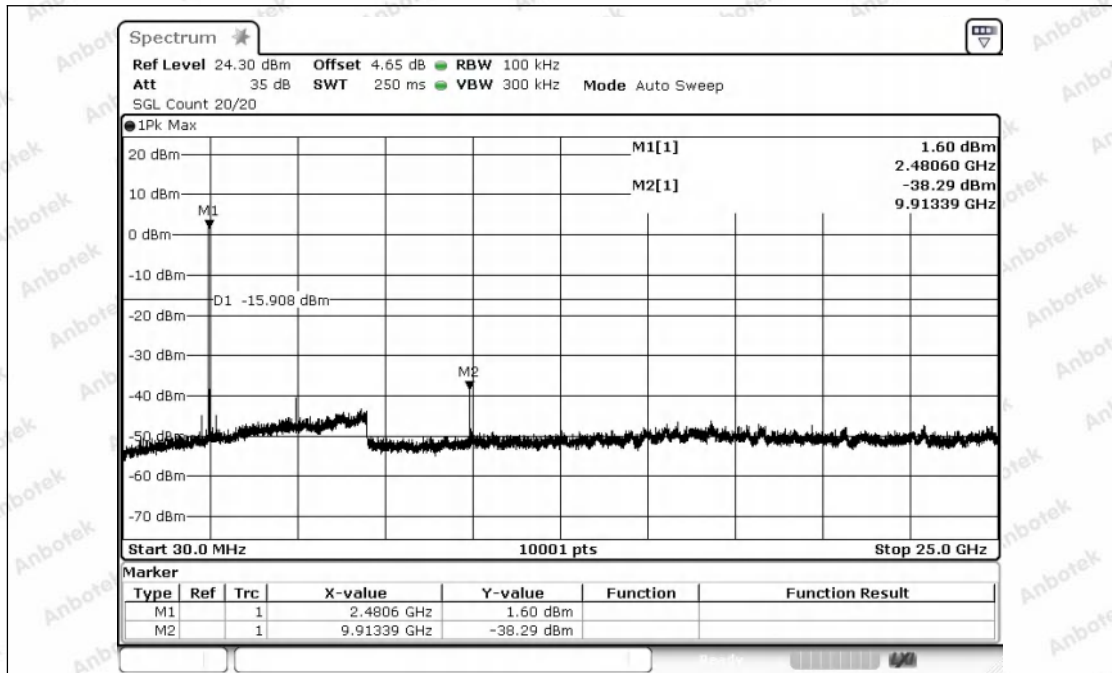


1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2480

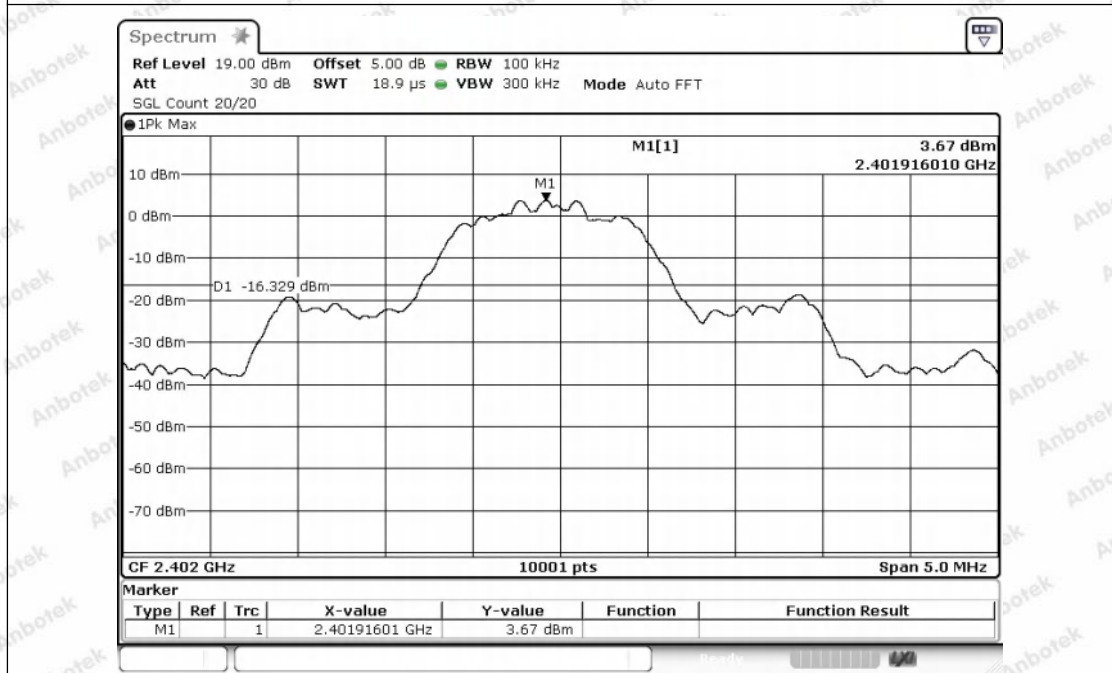


2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2480



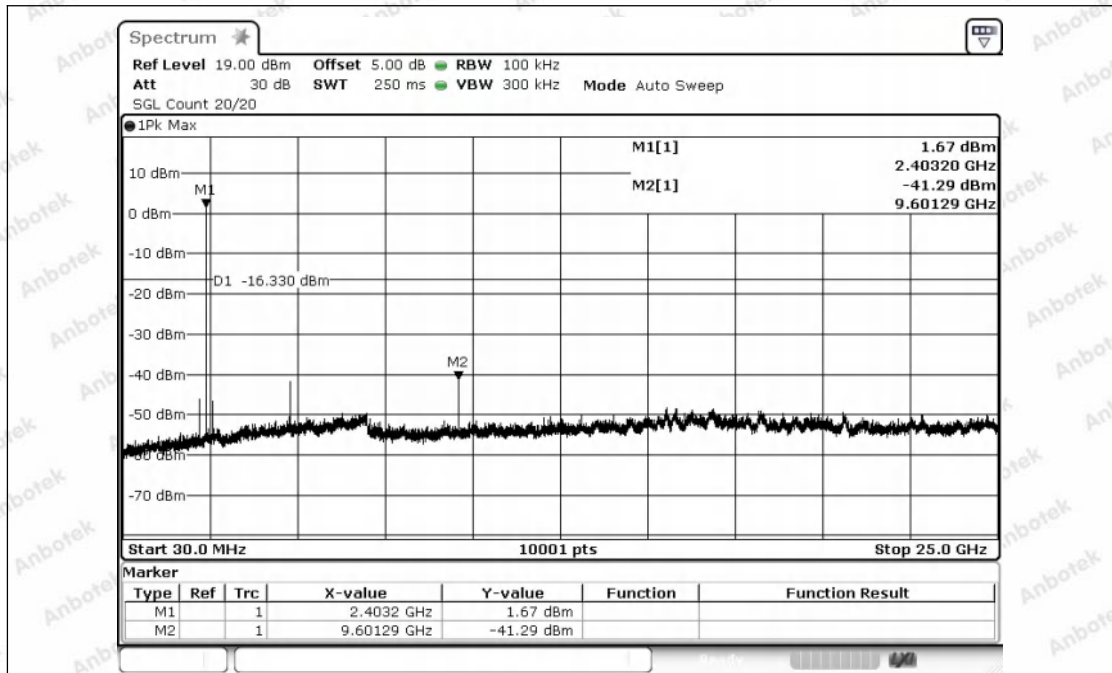


1\_Reference\_Level\_NVNT\_ANT1\_3-DH5\_2402

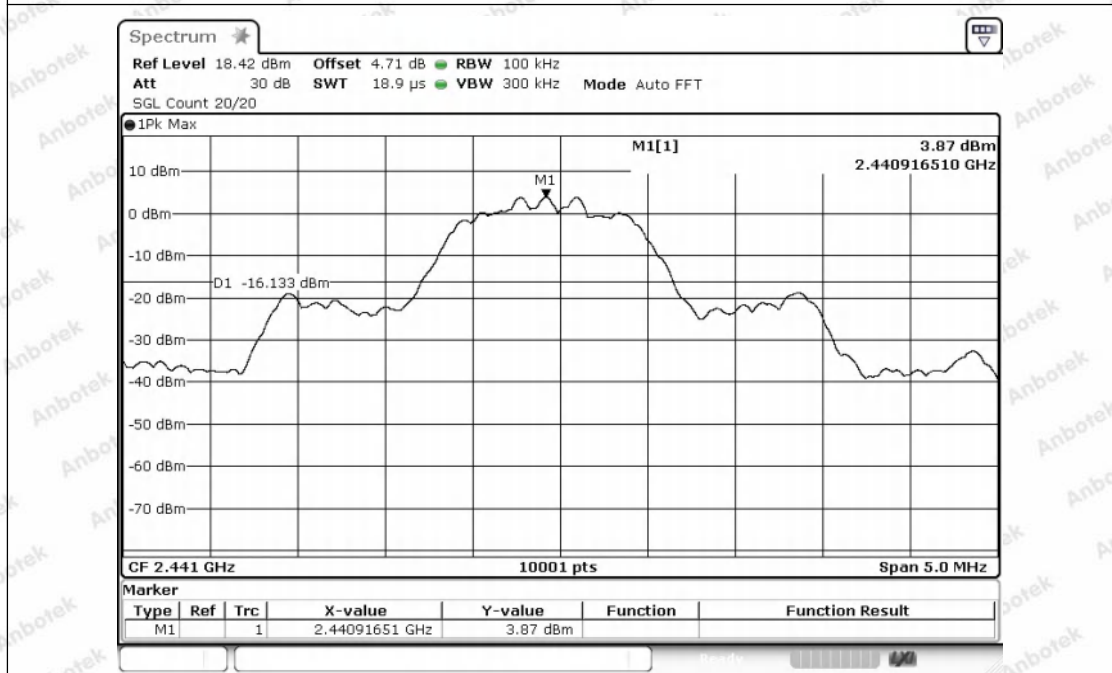


2\_Spurious\_Emissions\_NVNT\_ANT1\_3-DH5\_2402





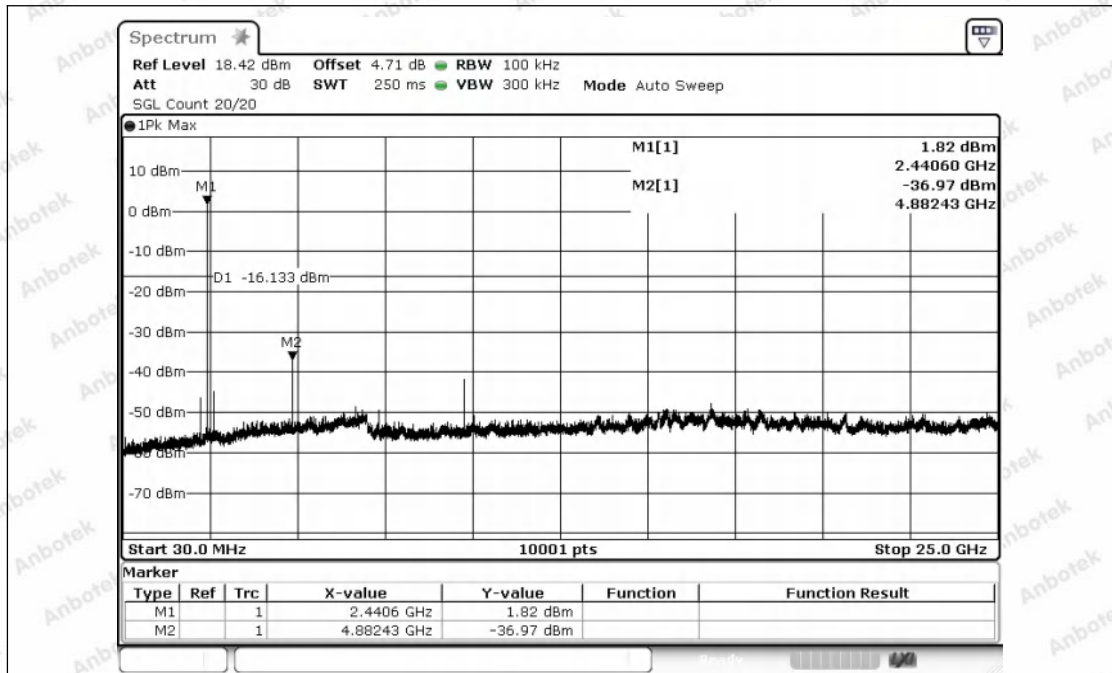
1\_Reference\_Level\_NVNT\_ANT1\_3-DH5\_2441



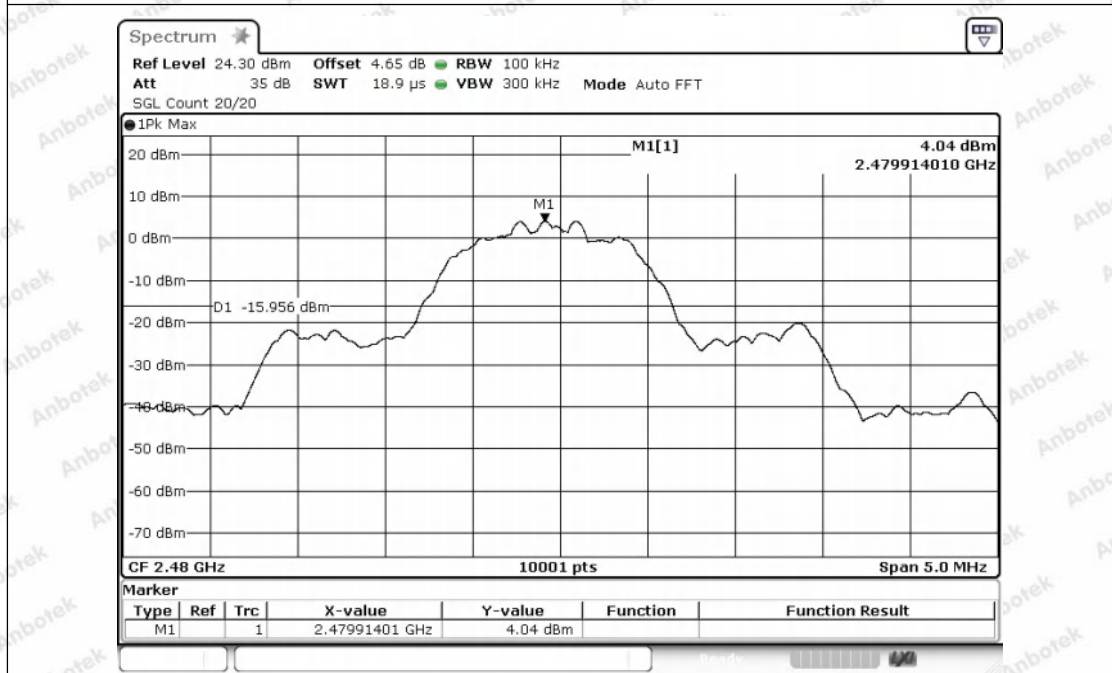
2\_Spurious\_Emissions\_NVNT\_ANT1\_3-DH5\_2441





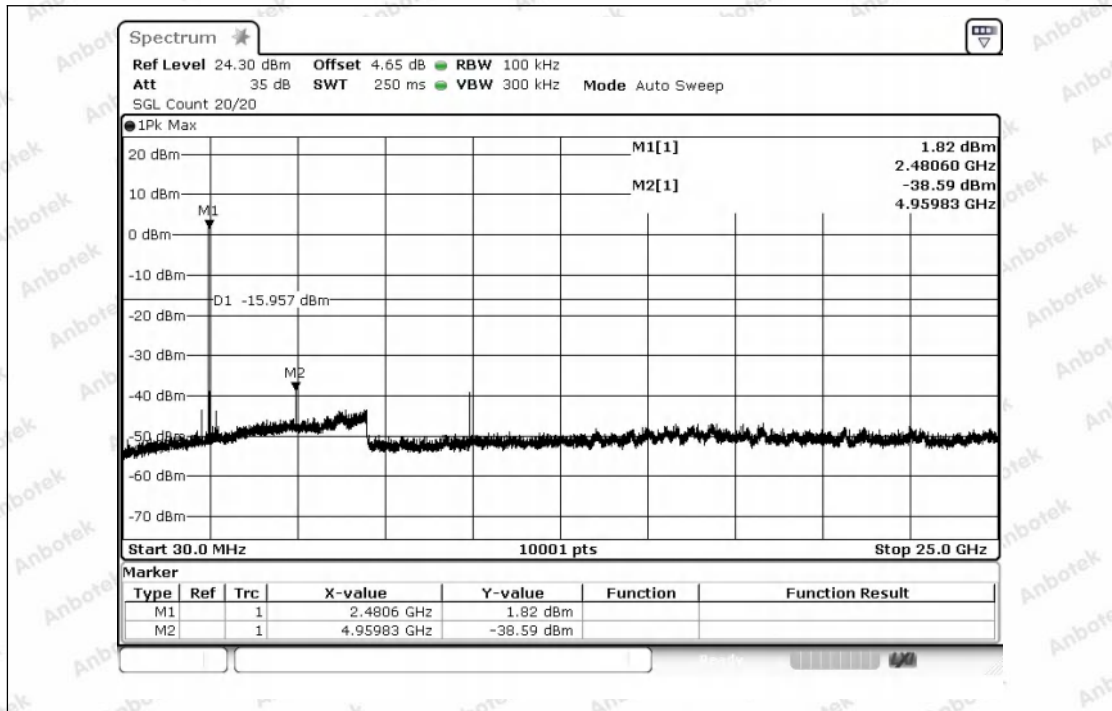


1\_Reference\_Level\_NVNT\_ANT1\_3-DH5\_2480



2\_Spurious\_Emissions\_NVNT\_ANT1\_3-DH5\_2480





## 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

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

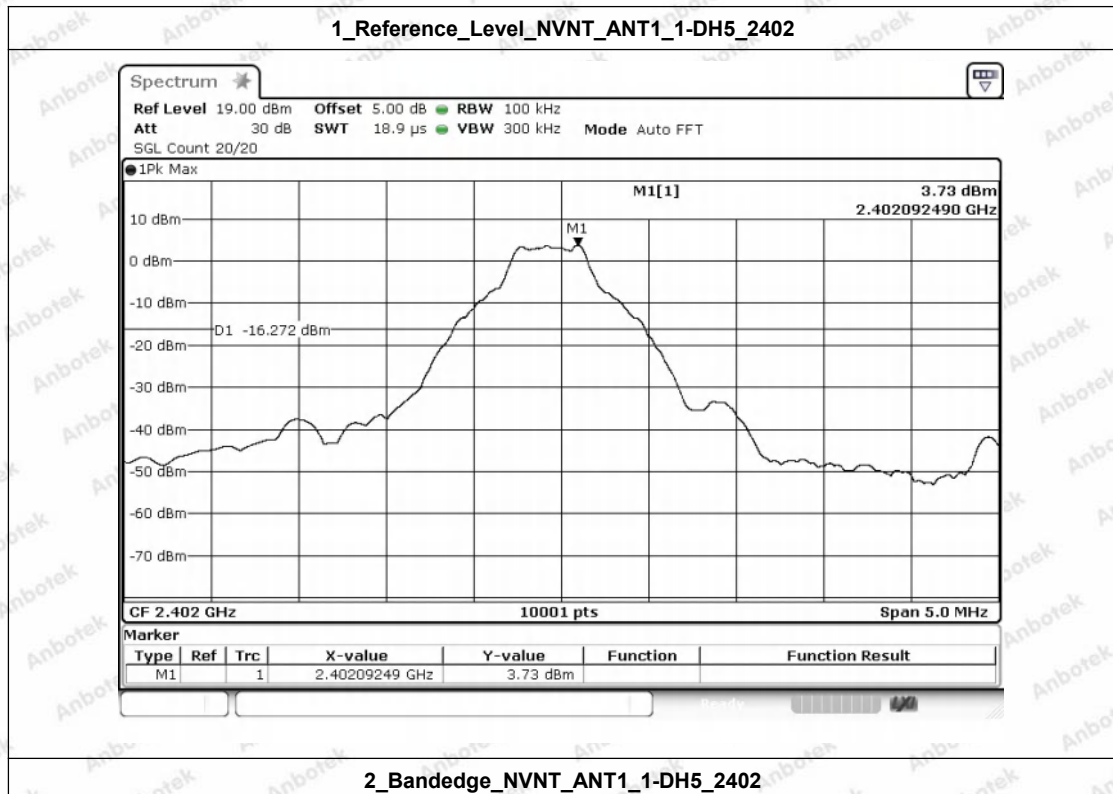


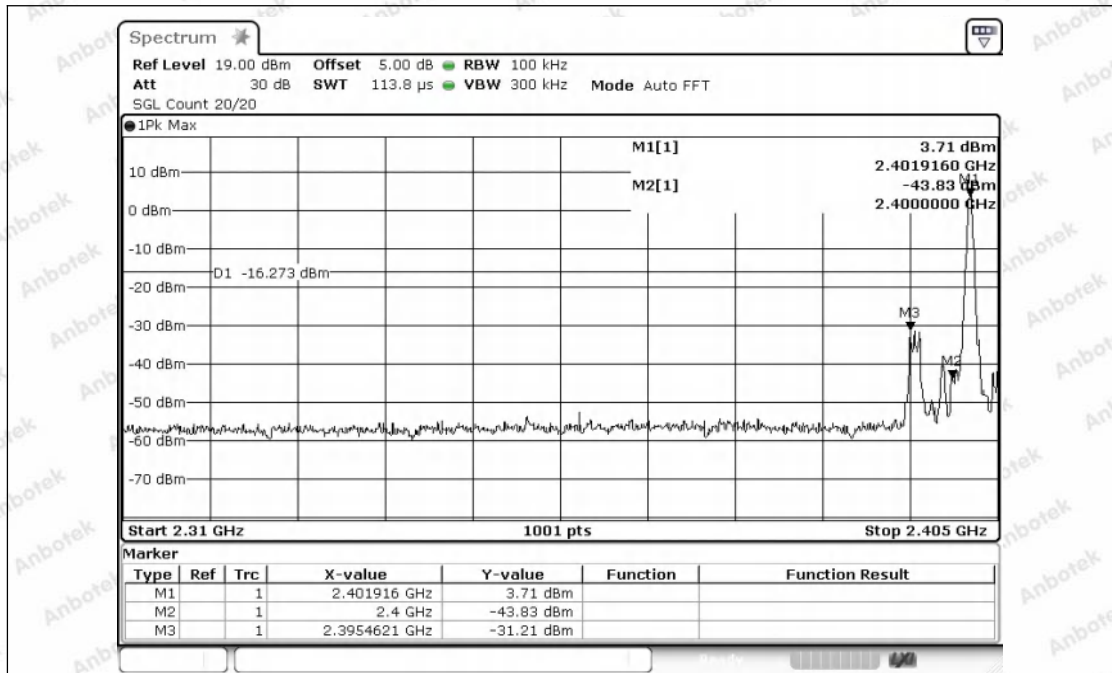
## Appendix E: Band edge

### Test Result

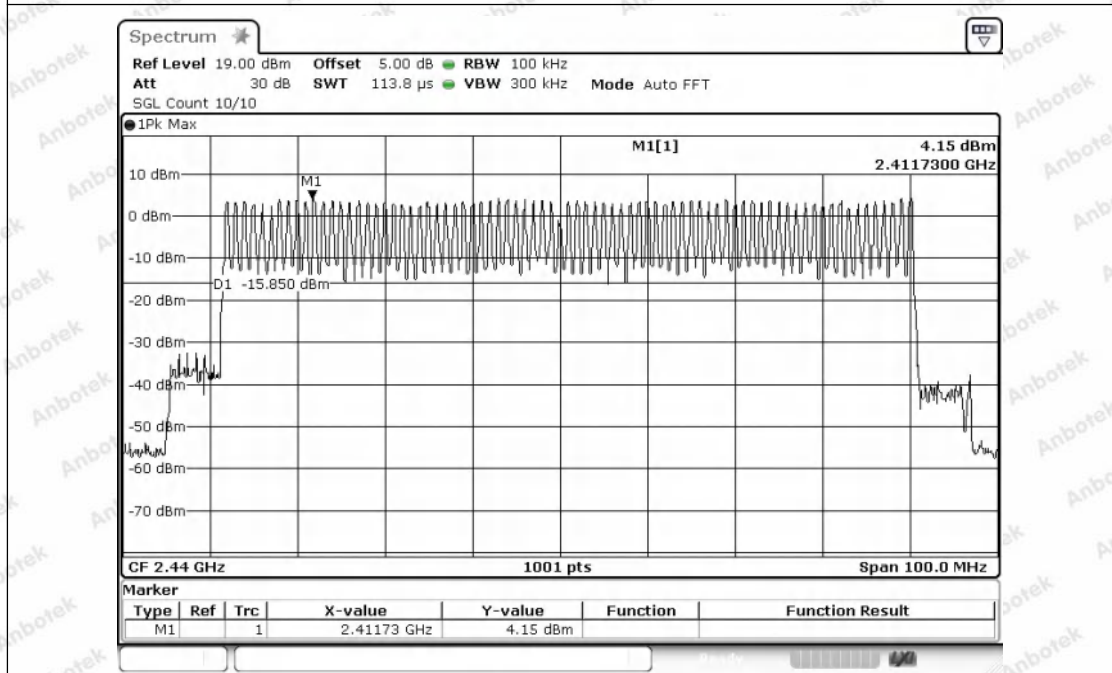
Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-31.214	-16.273	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-32.139	-15.850	Pass
NVNT	ANT1	1-DH5	2480.00	-37.641	-15.996	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-41.770	-16.068	Pass
NVNT	ANT1	2-DH5	2402.00	-30.839	-16.249	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-36.175	-15.629	Pass
NVNT	ANT1	2-DH5	2480.00	-37.006	-15.908	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-38.120	-15.869	Pass
NVNT	ANT1	3-DH5	2402.00	-30.851	-16.330	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-34.601	-15.358	Pass
NVNT	ANT1	3-DH5	2480.00	-37.849	-15.957	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-38.497	-15.991	Pass

### Test Graphs



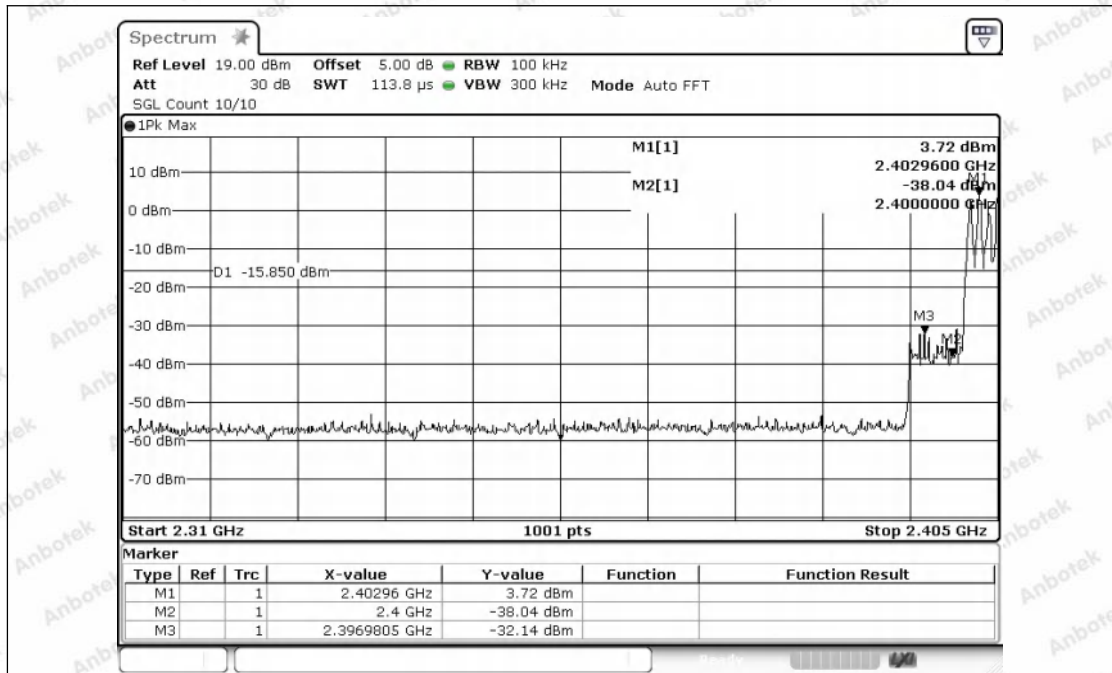


1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping

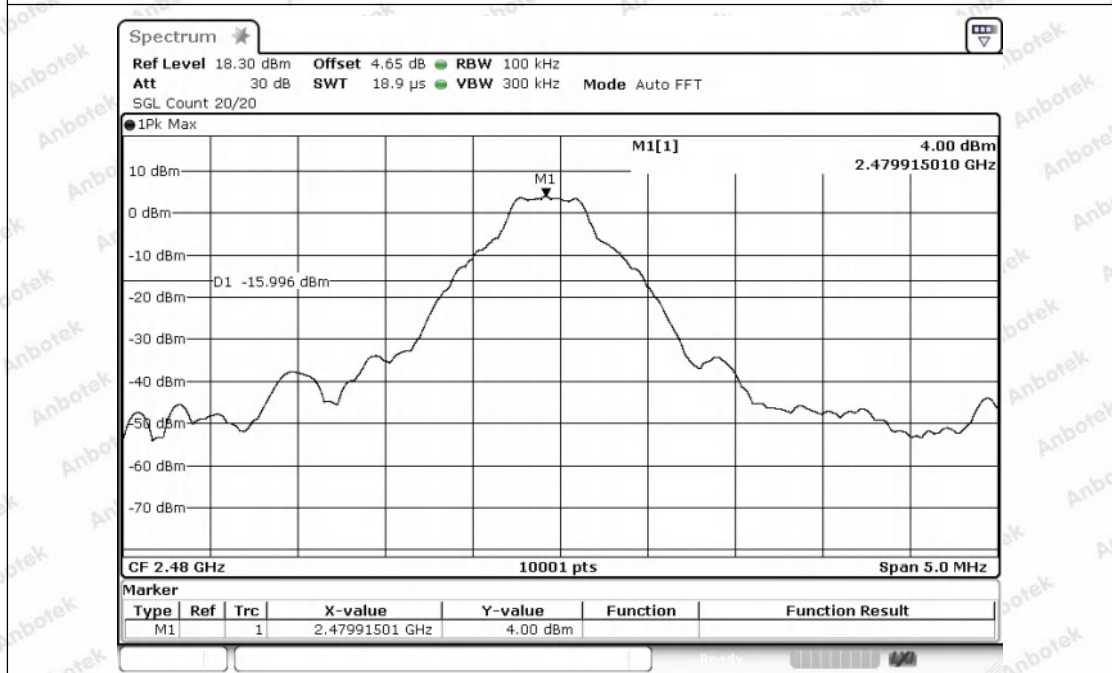


2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping



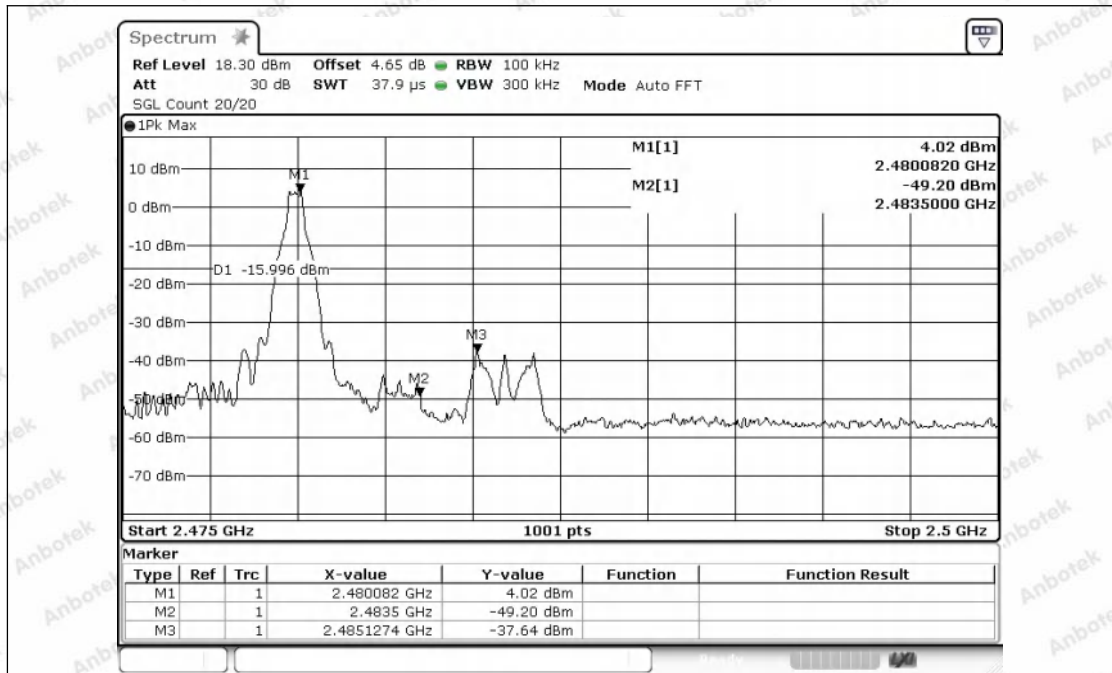


1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480

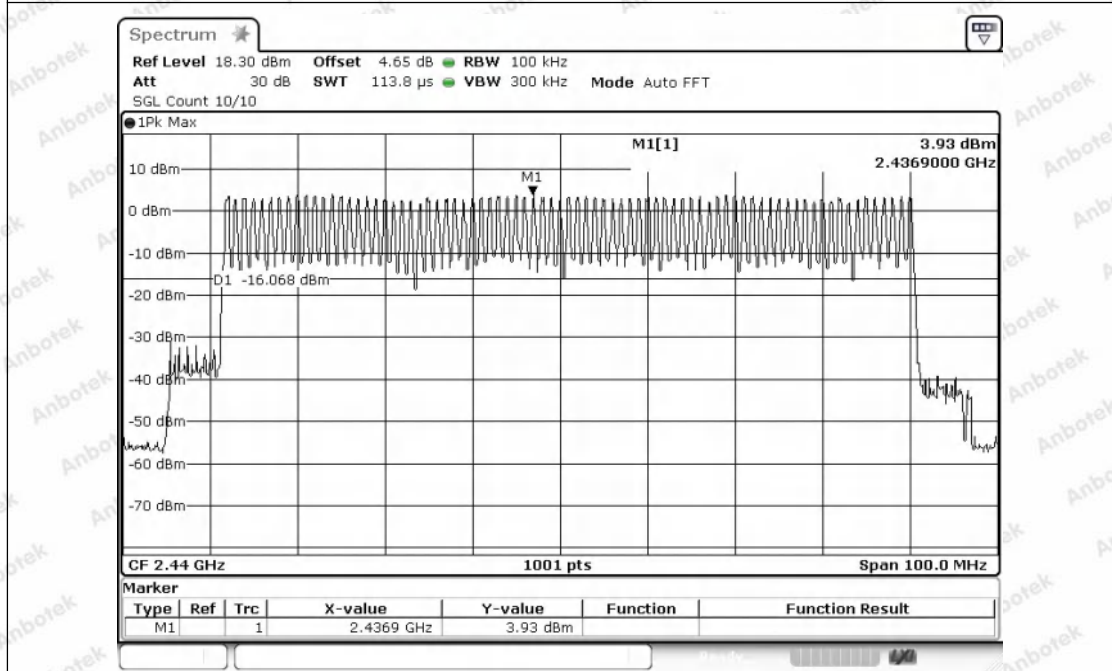


2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2480



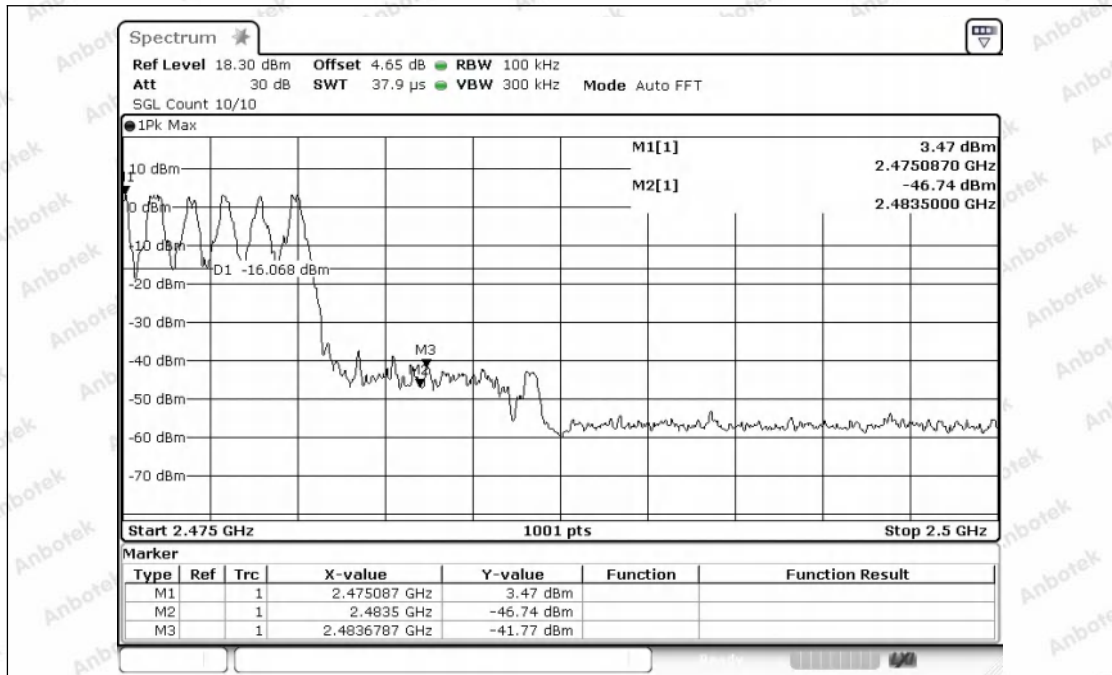


1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping

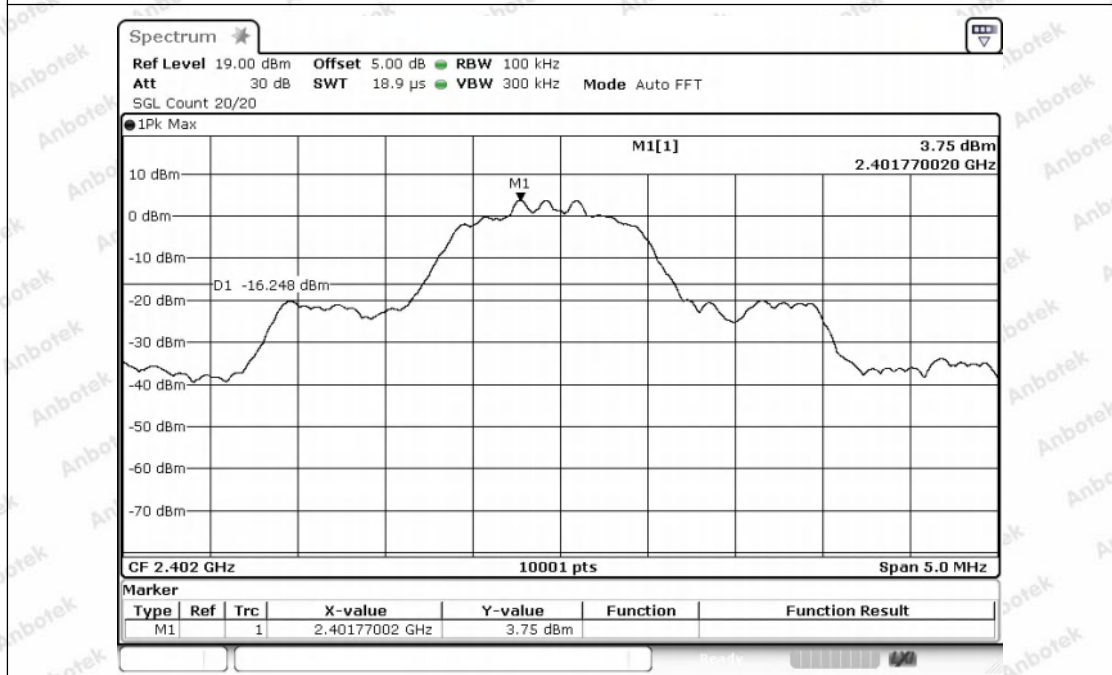


2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping



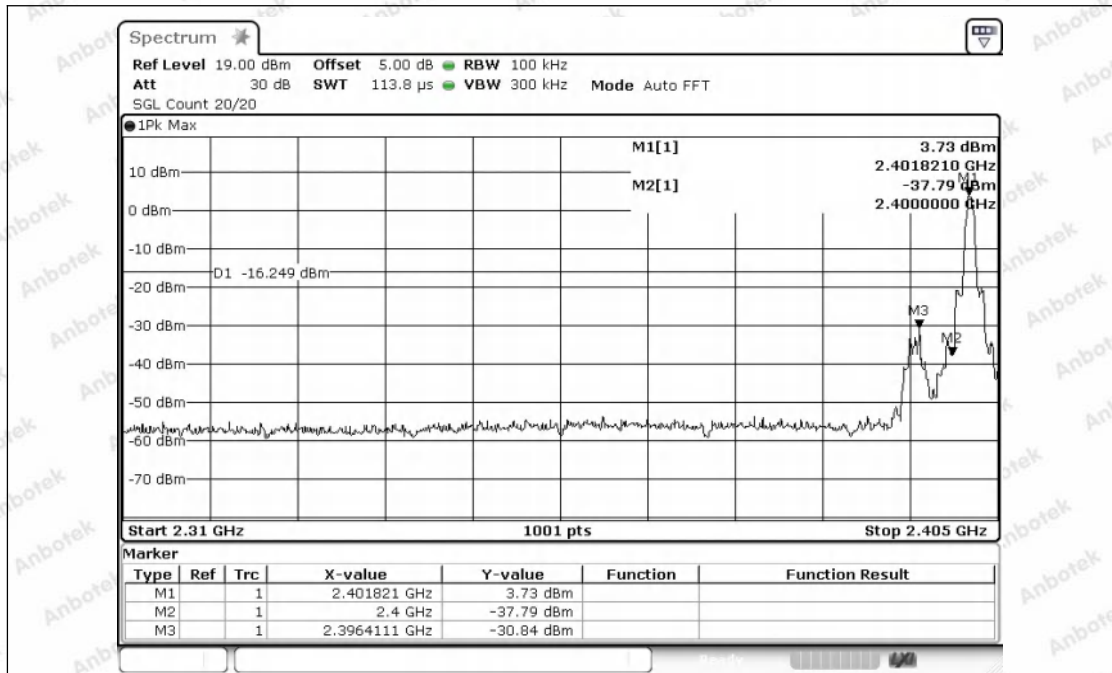


1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2402

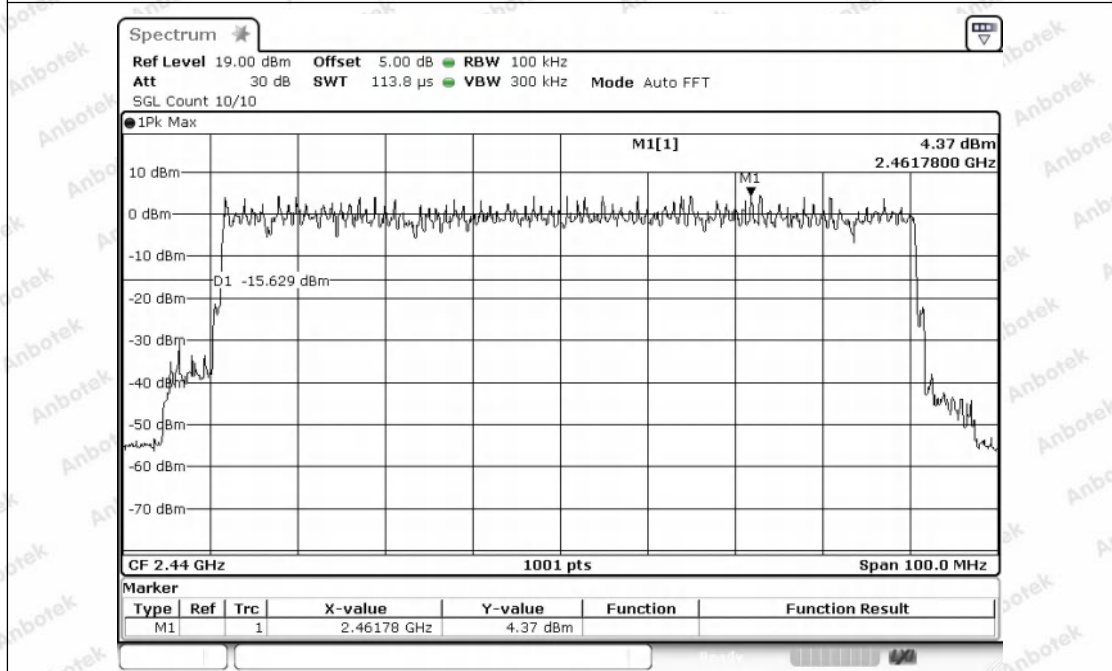


2\_Bandedge\_NVNT\_ANT1\_2-DH5\_2402





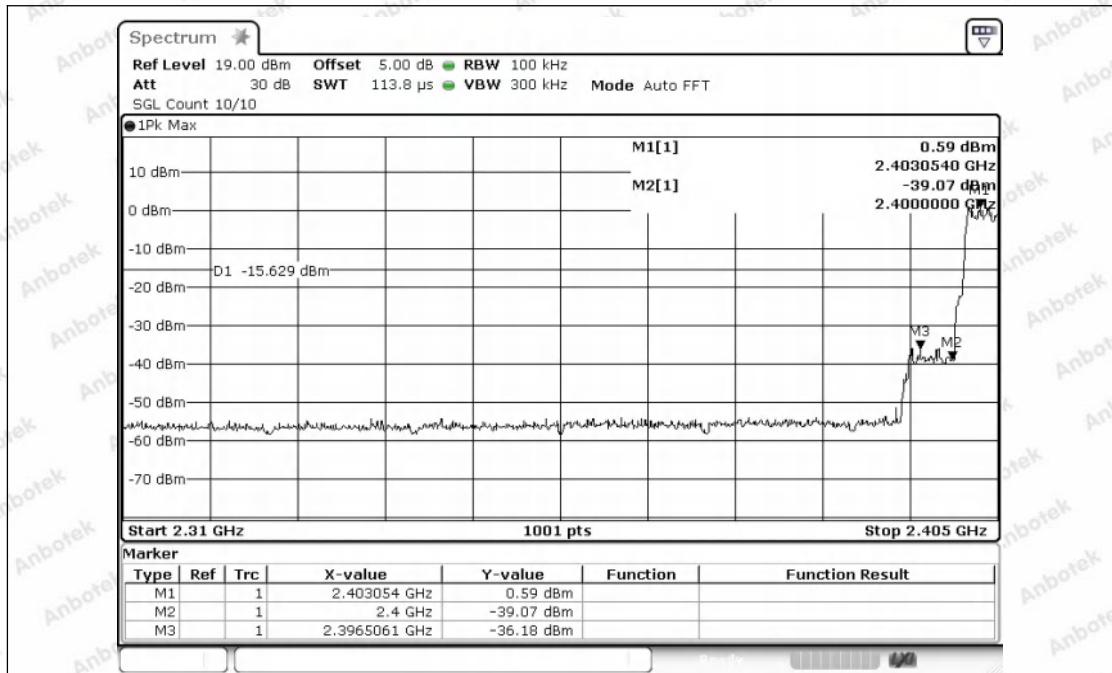
1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH5\_Hopping



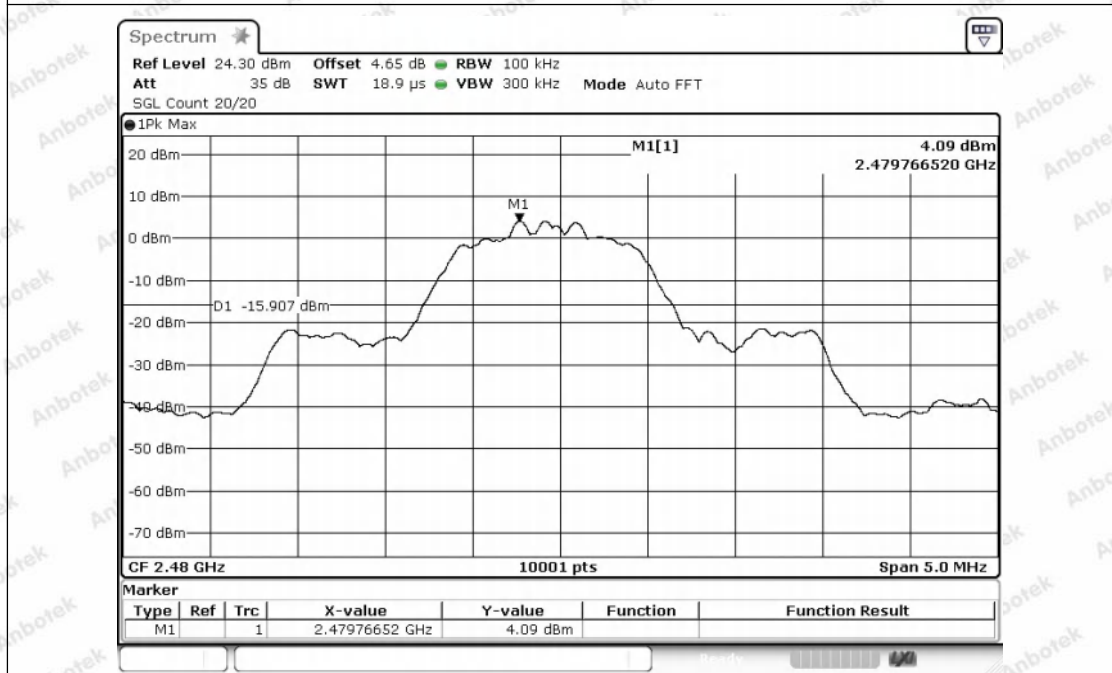
2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping





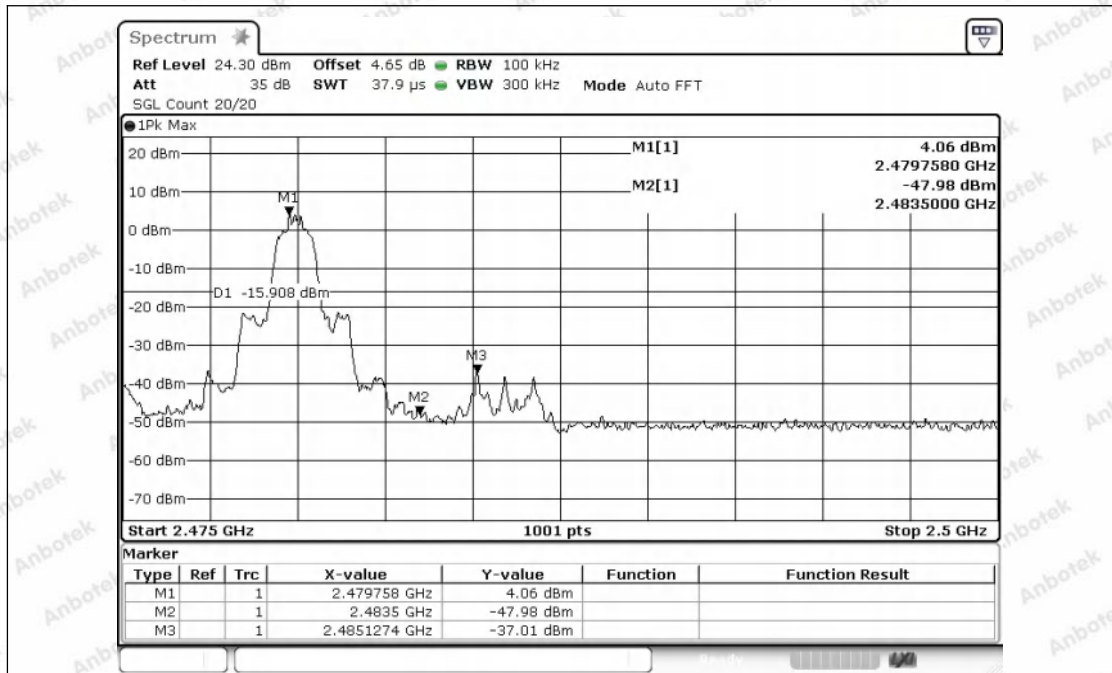


1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2480

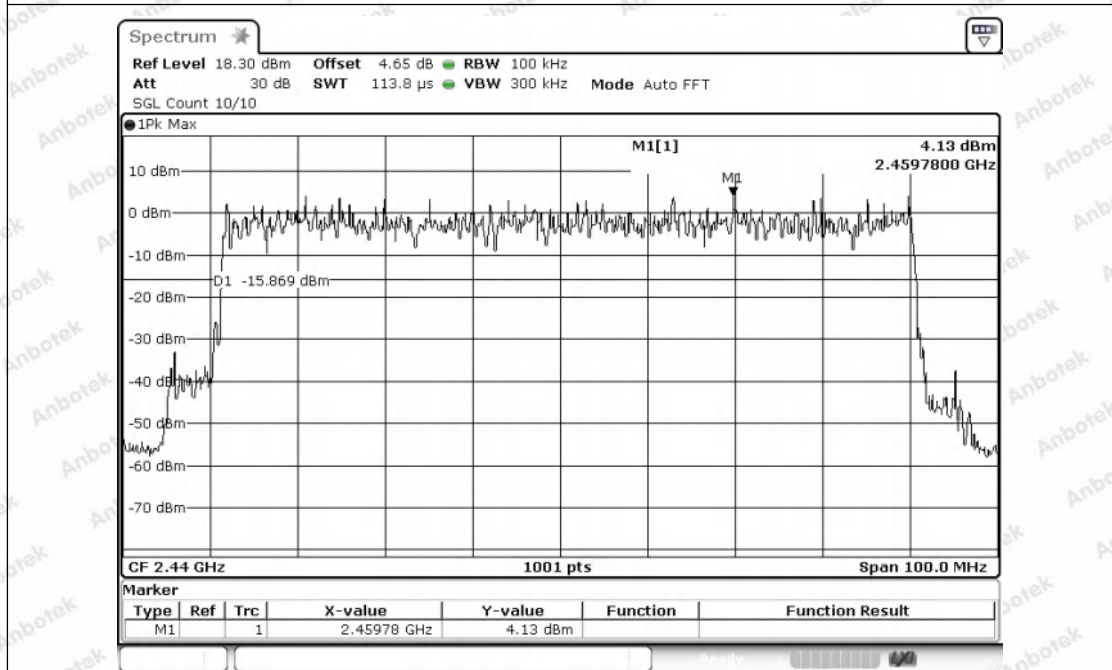


2\_Bandedge\_NVNT\_ANT1\_2-DH5\_2480



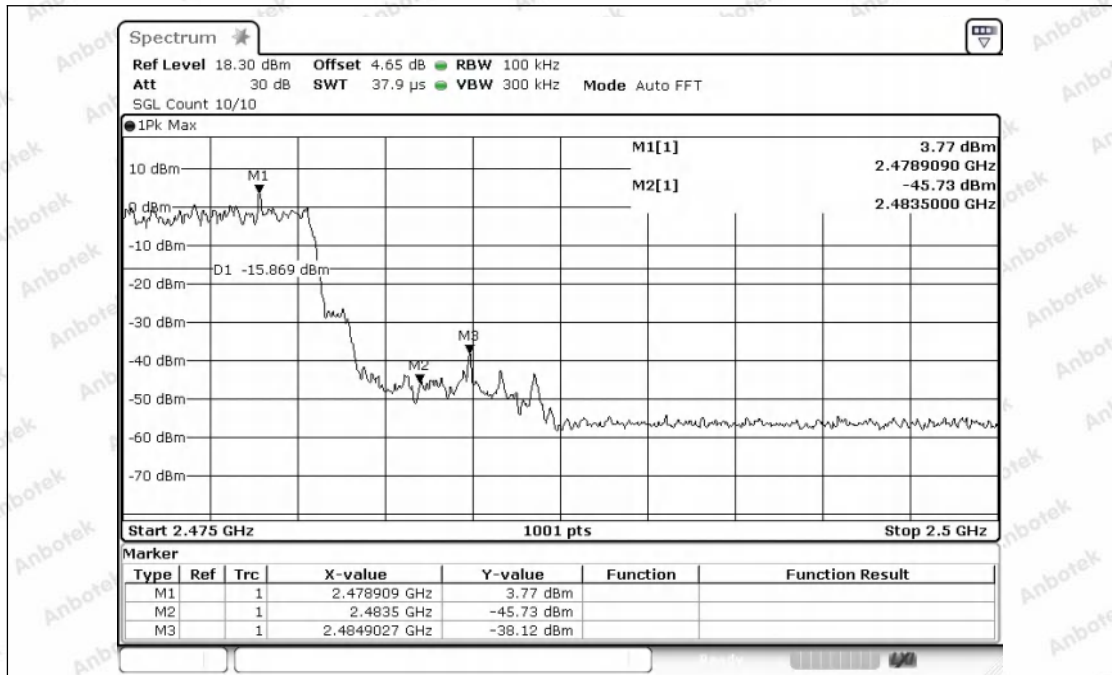


1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH5\_Hopping

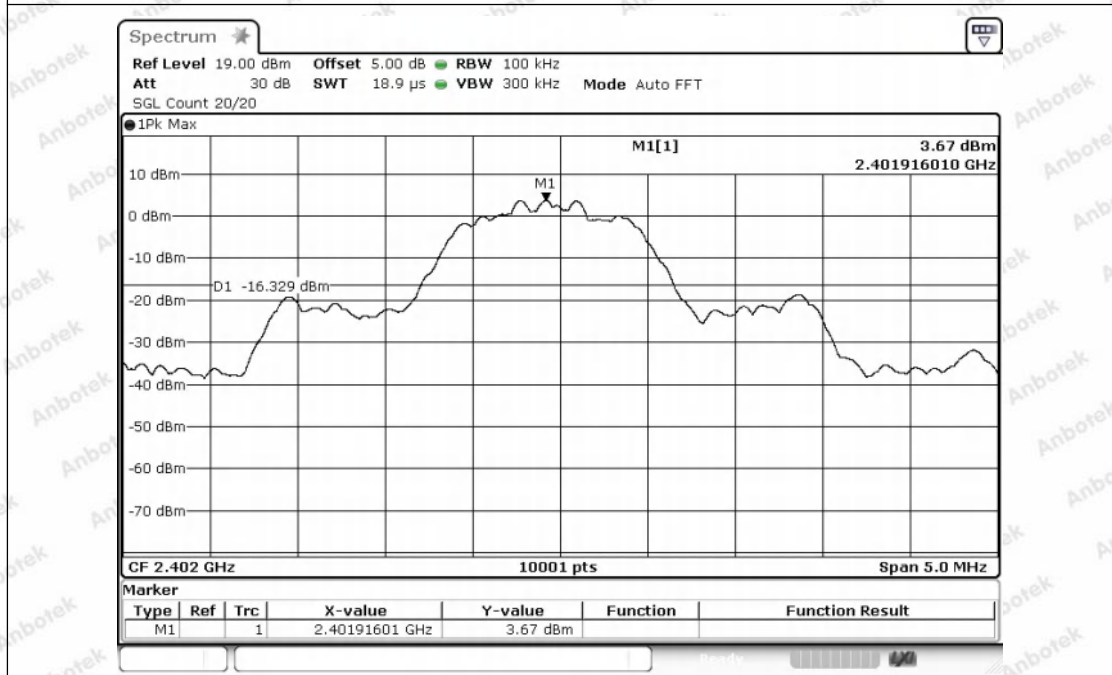


2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping



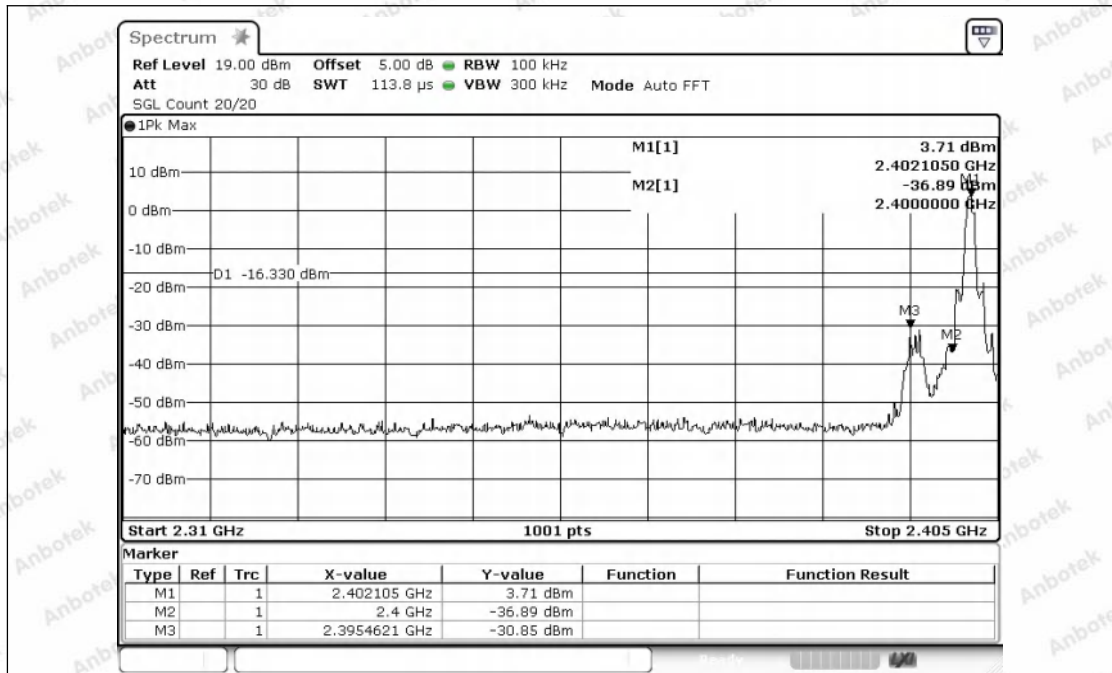


1\_Reference\_Level\_NVNT\_ANT1\_3-DH5\_2402

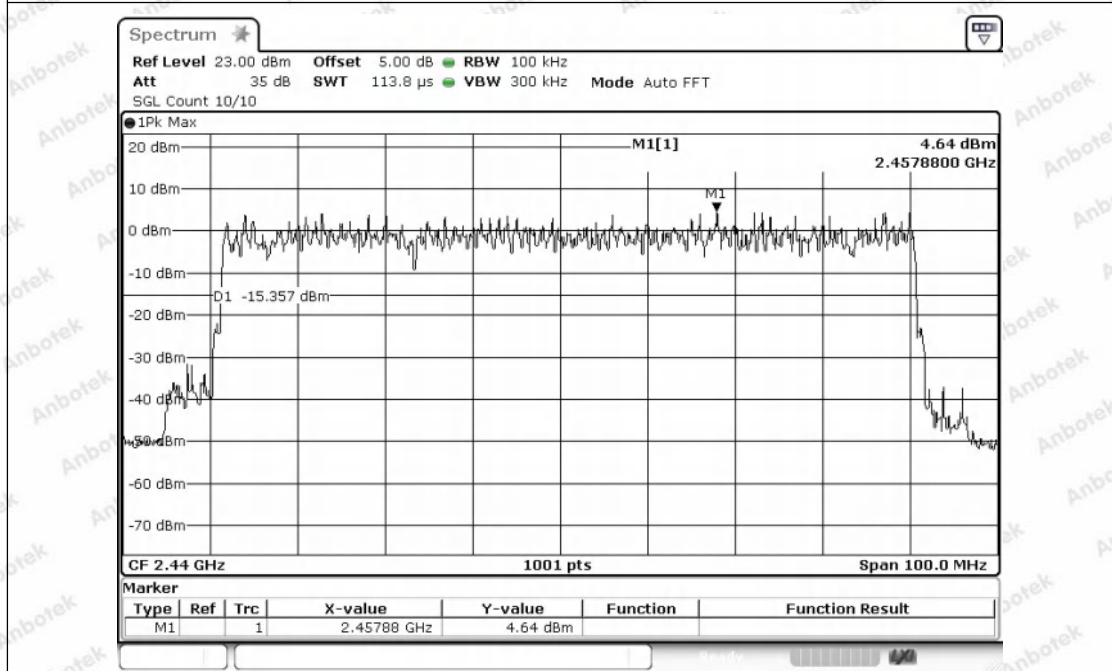


2\_Bandedge\_NVNT\_ANT1\_3-DH5\_2402



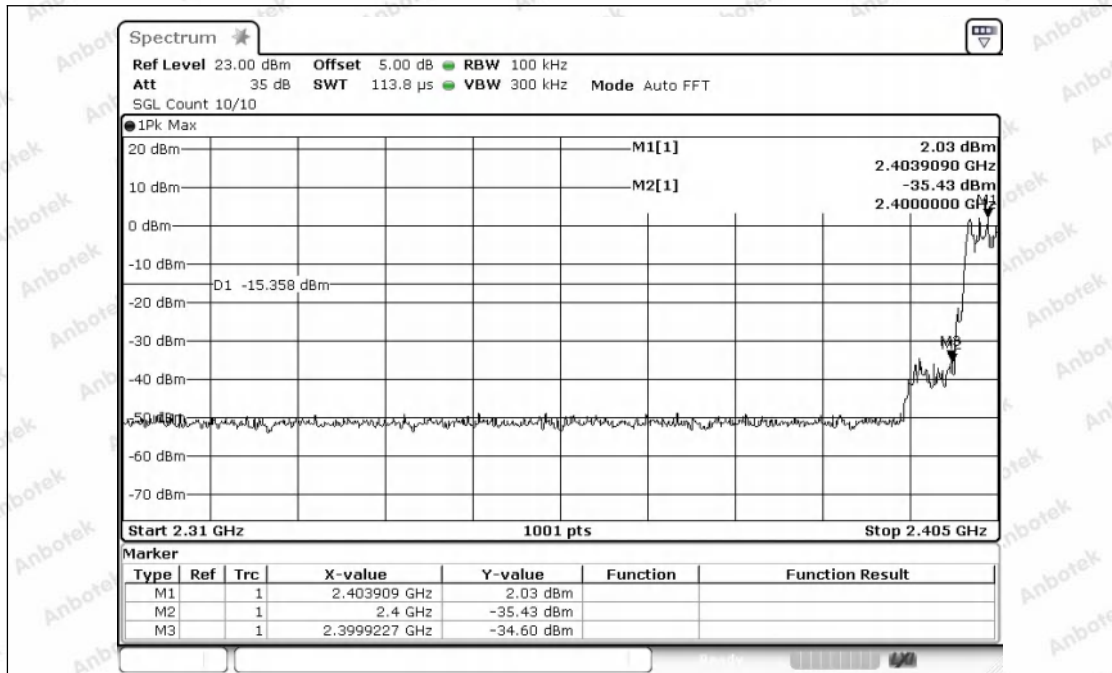


1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_3-DH5\_Hopping

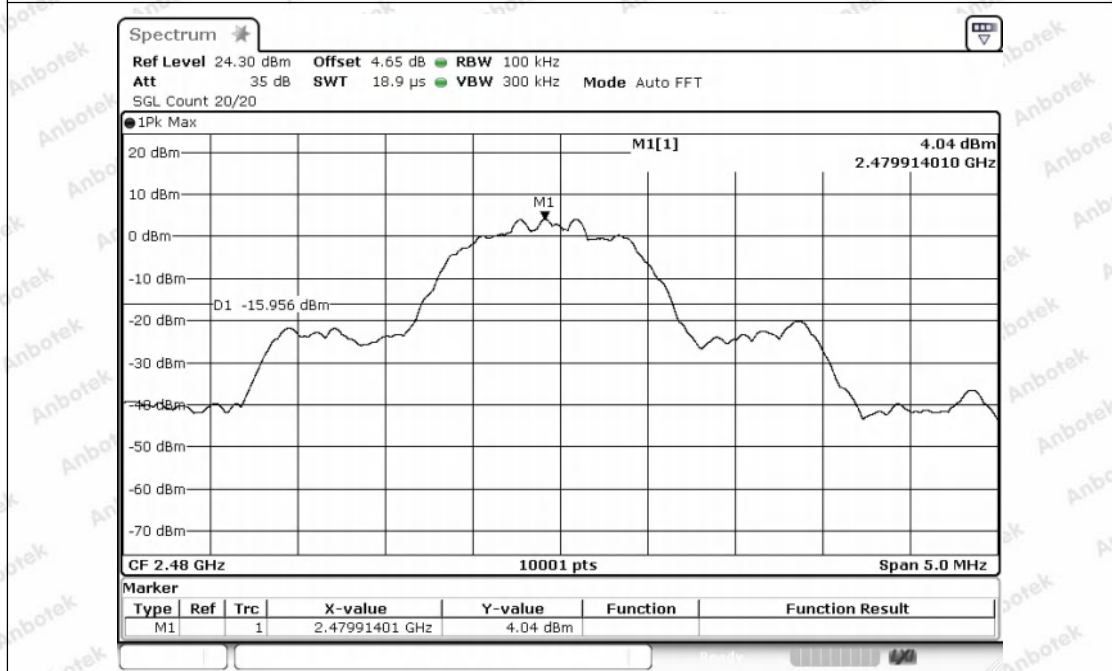


2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_3-DH5\_Hopping



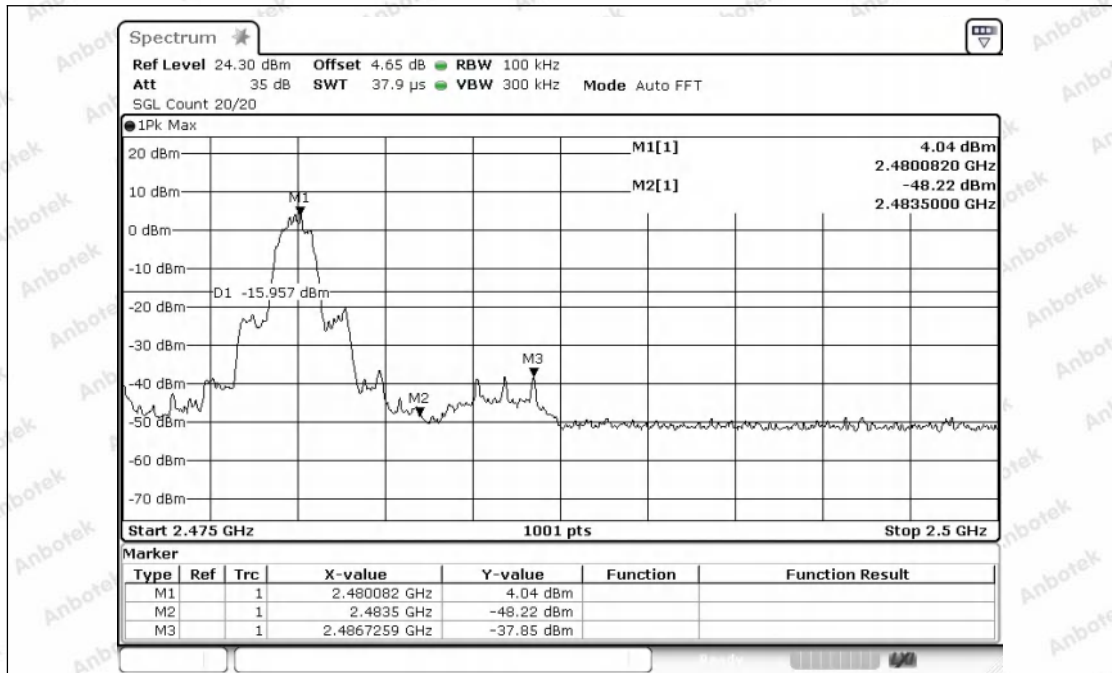


1\_Reference\_Level\_NVNT\_ANT1\_3-DH5\_2480

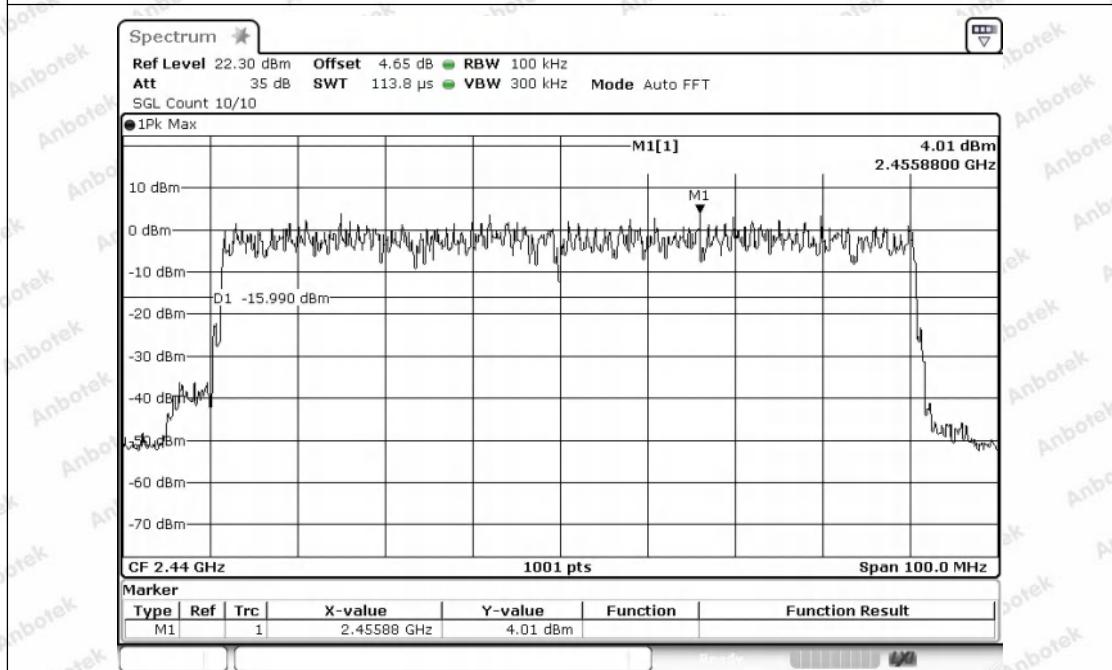


2\_Bandedge\_NVNT\_ANT1\_3-DH5\_2480



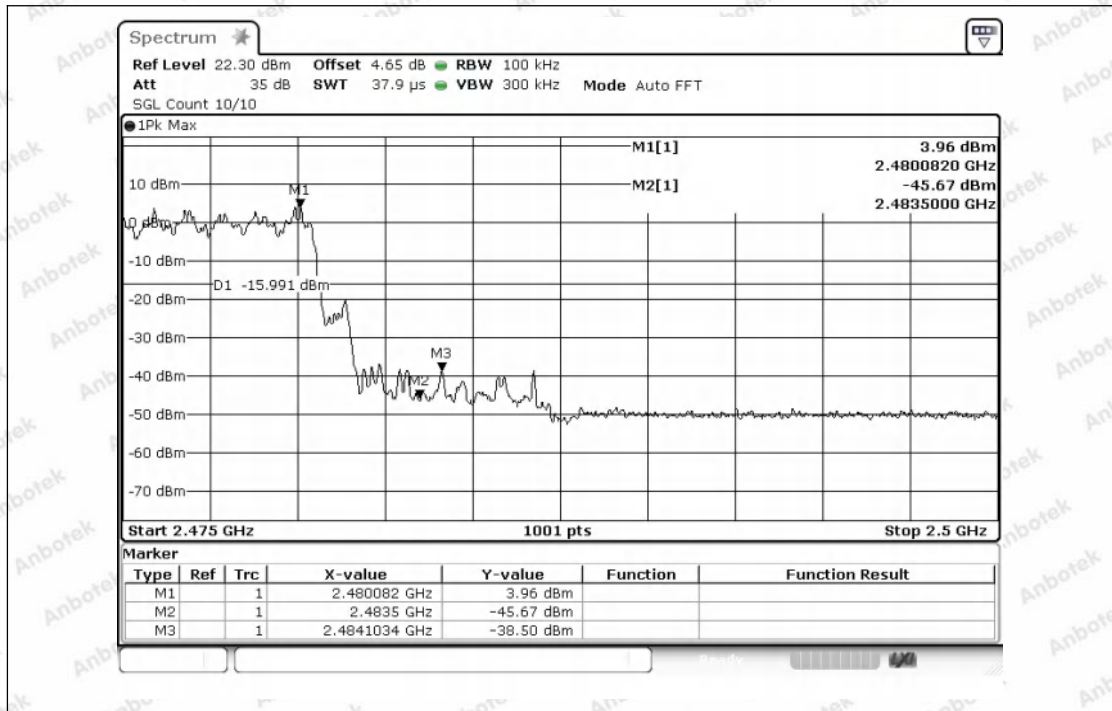


1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_3-DH5\_Hopping



2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_3-DH5\_Hopping





### 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

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

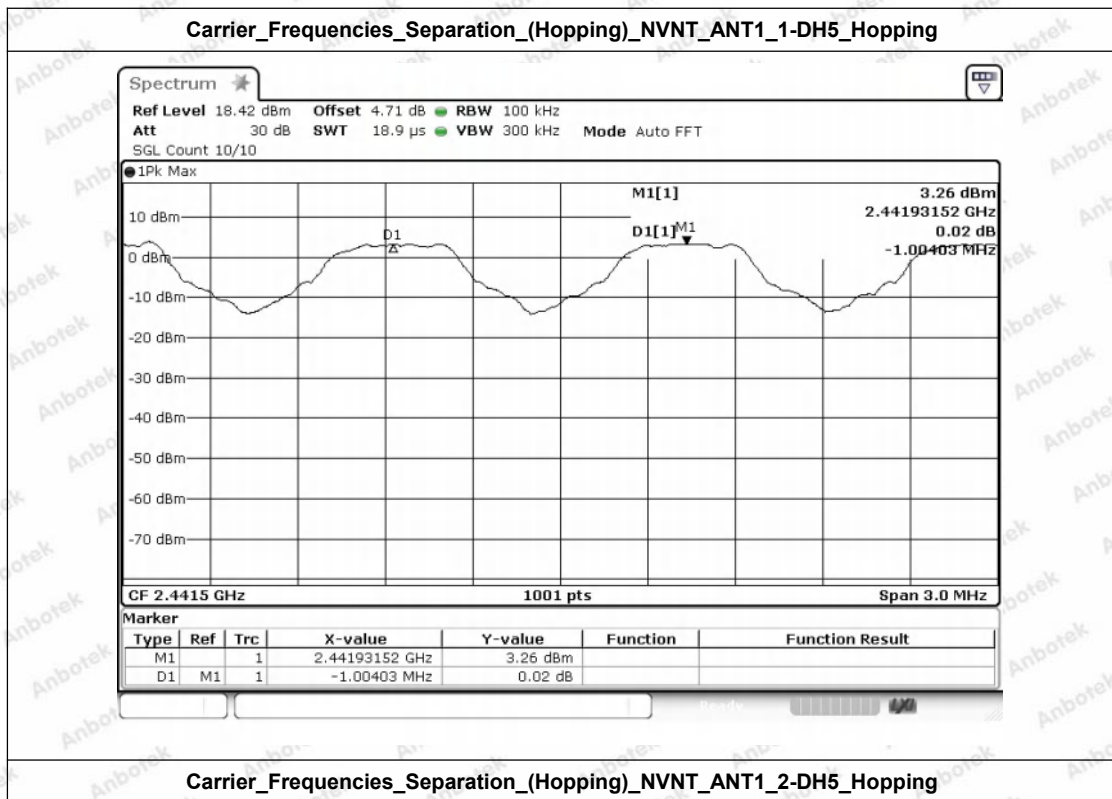


## Appendix F: Carrier Frequencies Separation (Hopping)

### Test Result

Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH5	2441.00	2440.927	2441.932	1.00	0.944	Pass
NVNT	ANT1	2-DH5	2441.00	2440.769	2441.770	1.00	0.895	Pass
NVNT	ANT1	3-DH5	2441.00	2441.090	2442.090	1.00	0.887	Pass

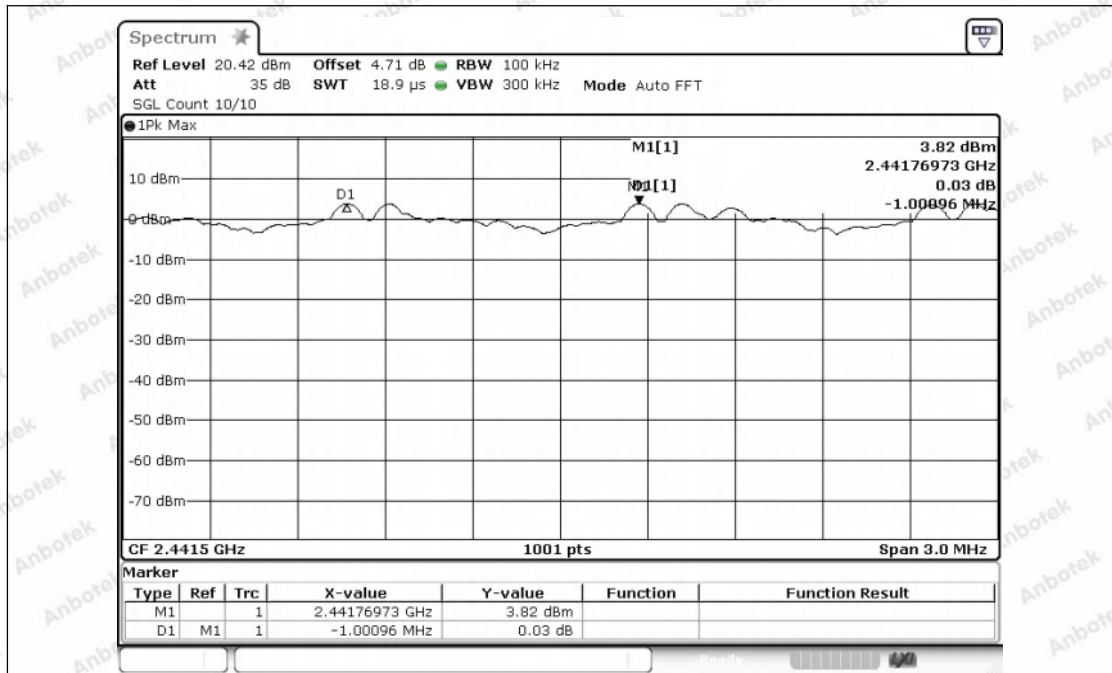
### Test Graphs



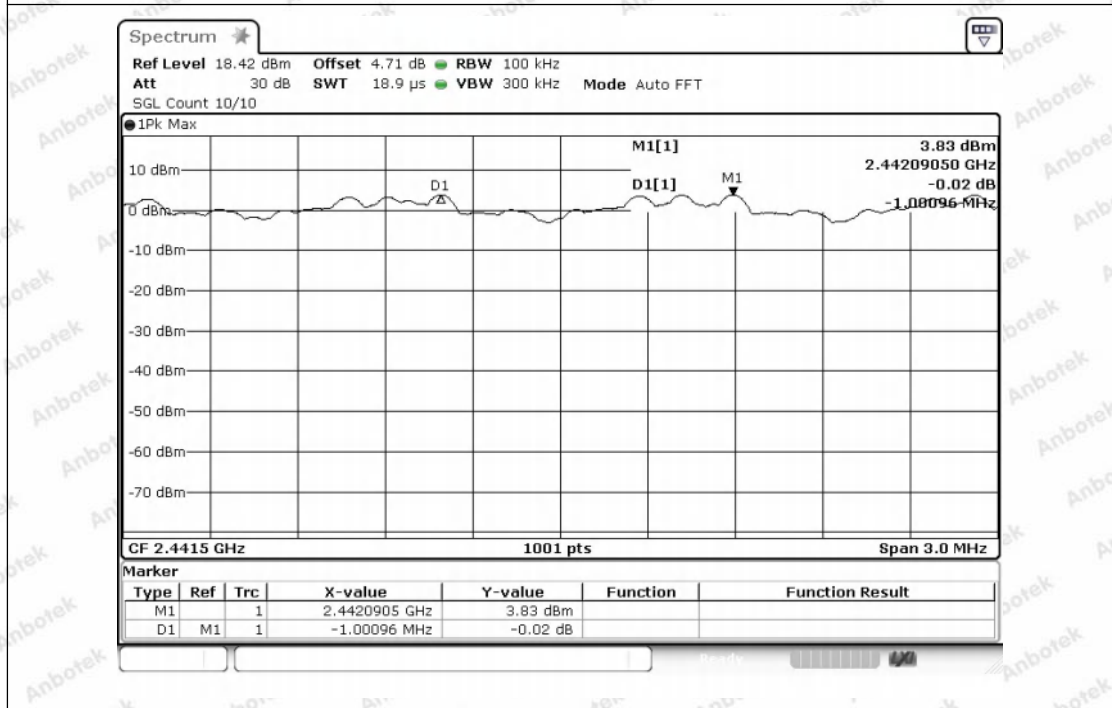
**Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping**







### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_3-DH5\_Hopping

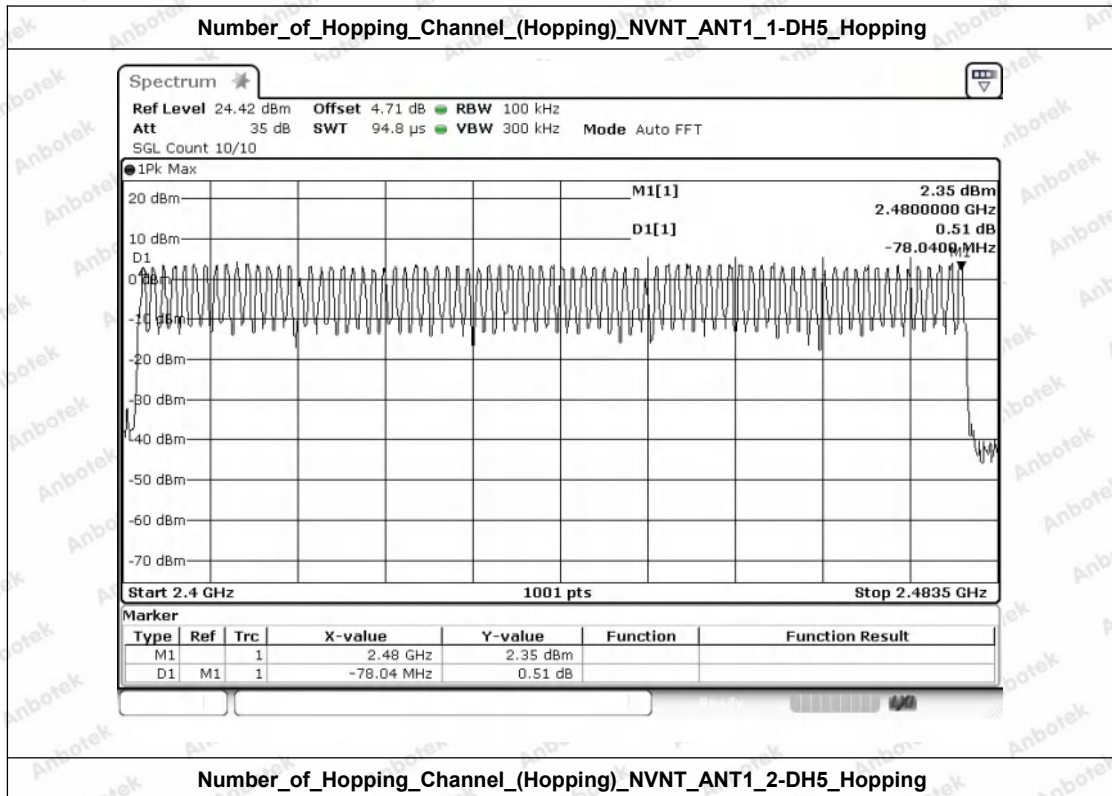


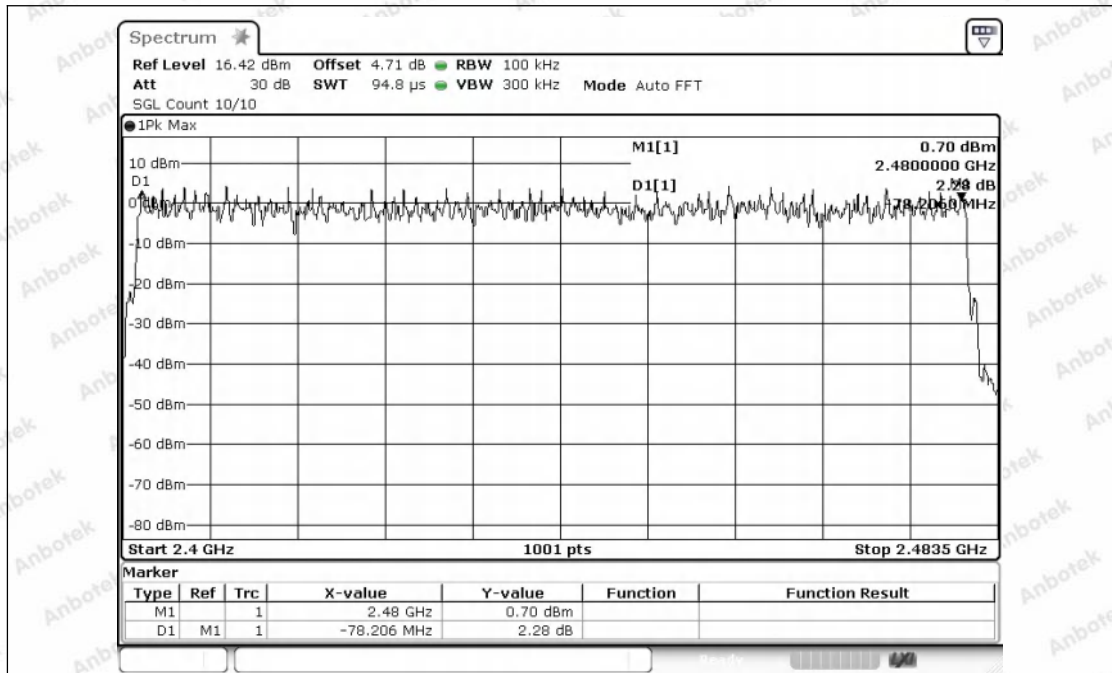
## Appendix G: Number of Hopping Channel (Hopping)

### Test Result

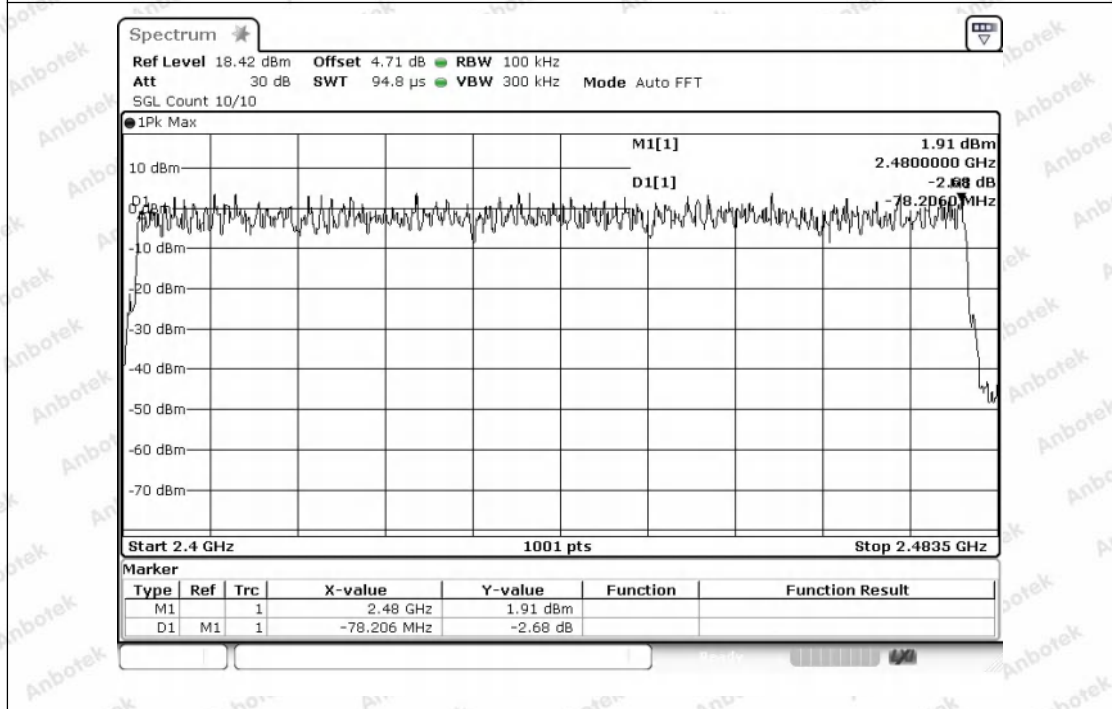
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

### Test Graphs





### Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_3-DH5\_Hopping

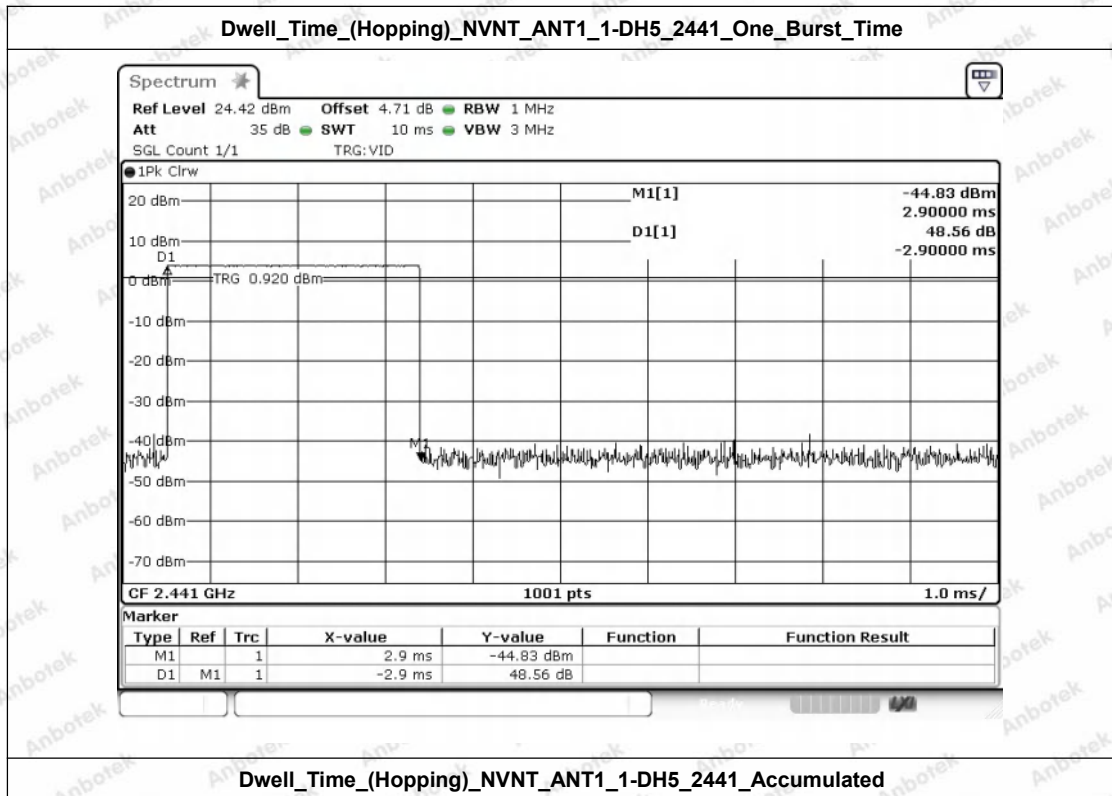


## Appendix H: Dwell Time (Hopping)

### Test Result

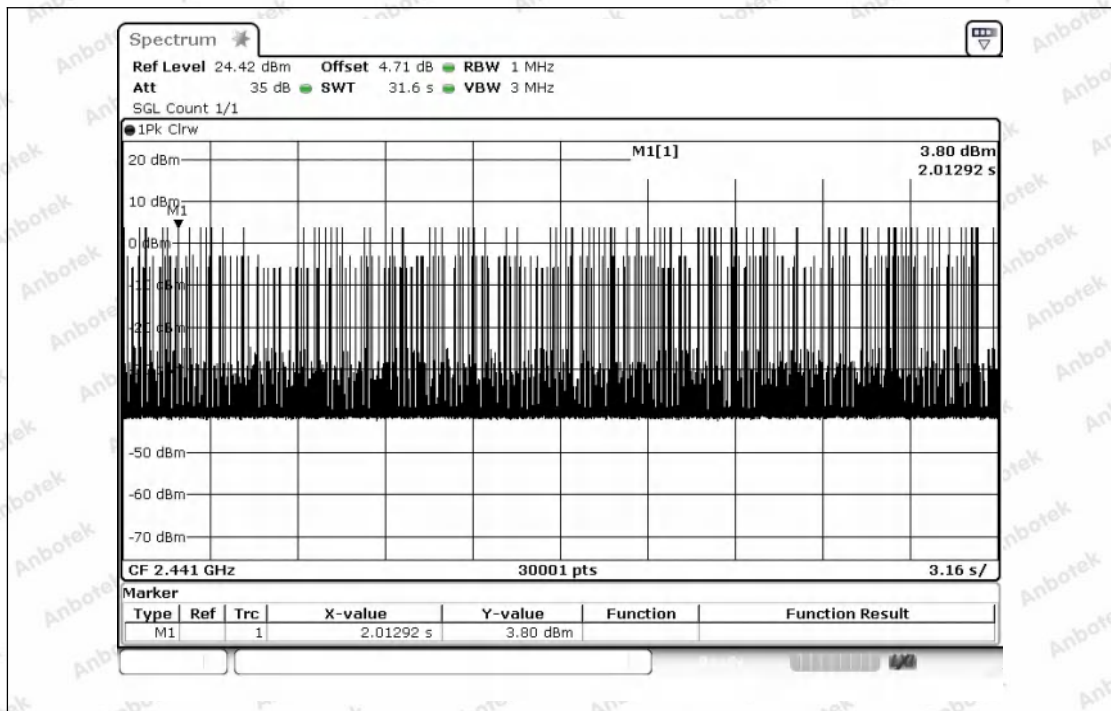
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.900	110.00	319.000	0.40	Pass
NVNT	ANT1	2-DH5	2.900	105.00	304.500	0.40	Pass
NVNT	ANT1	3-DH5	2.910	110.00	320.100	0.40	Pass
NVNT	ANT1	1-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	1-DH3	1.650	159.00	262.350	0.40	Pass
NVNT	ANT1	2-DH1	0.410	320.00	131.200	0.40	Pass
NVNT	ANT1	2-DH3	1.660	151.00	250.660	0.40	Pass
NVNT	ANT1	3-DH1	0.410	320.00	131.200	0.40	Pass
NVNT	ANT1	3-DH3	1.660	157.00	260.620	0.40	Pass

### Test Graphs

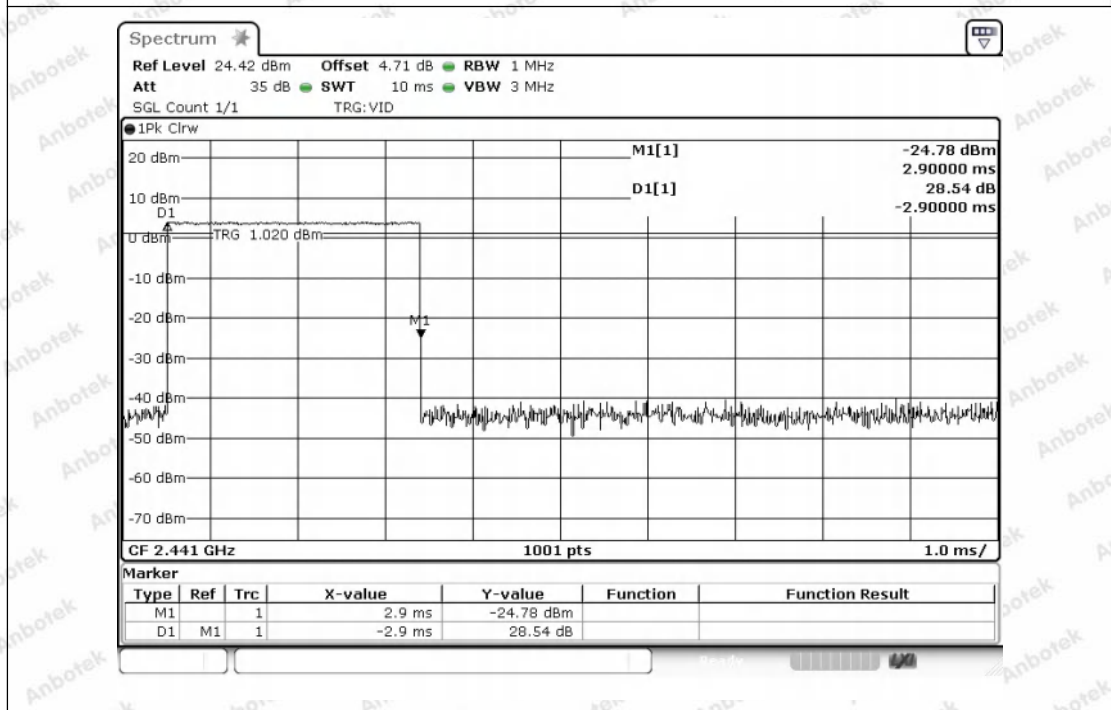


**Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH5\_2441\_Accumulated**



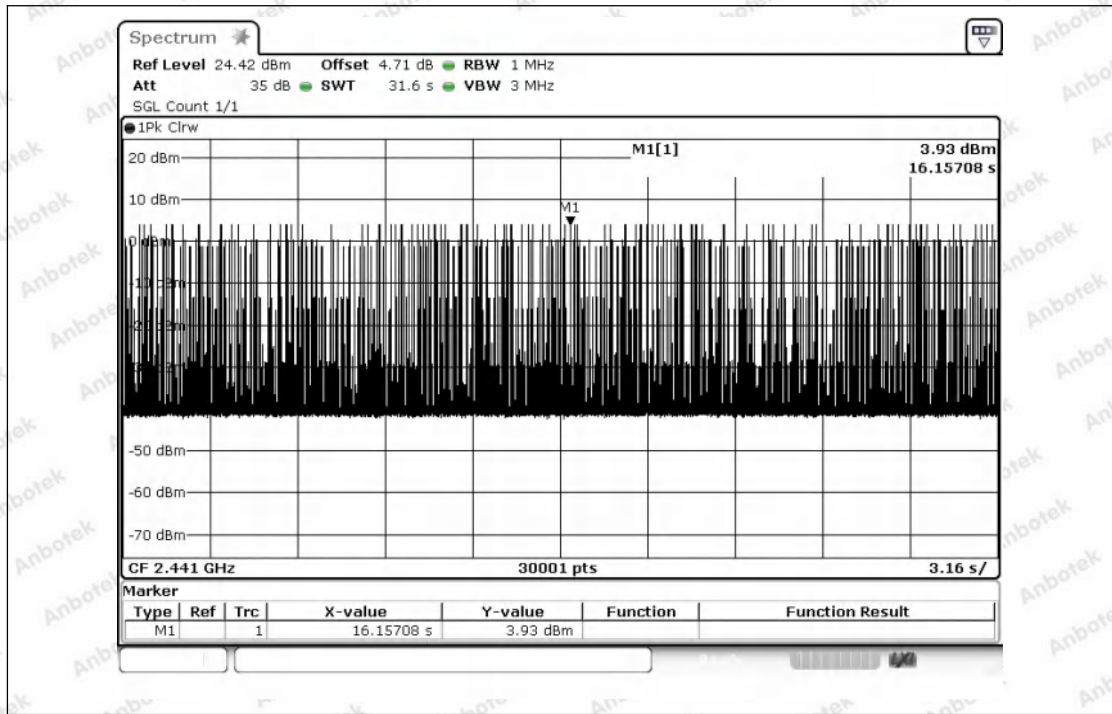


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH5\_2441\_One\_Burst\_Time

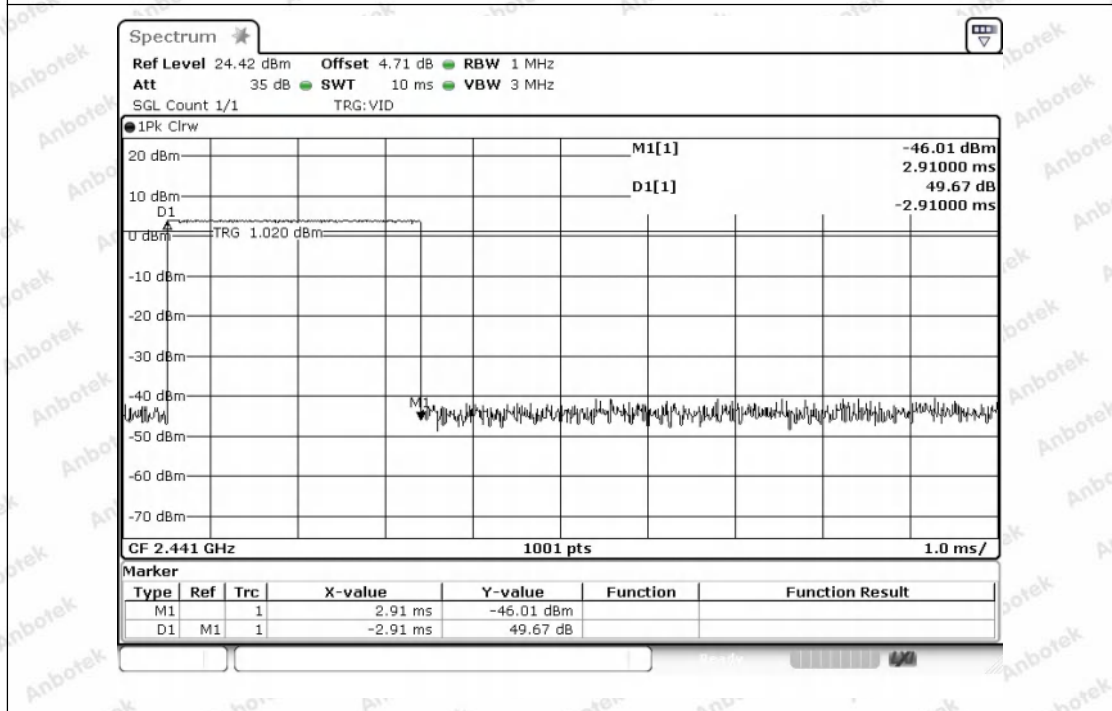


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH5\_2441\_Accumulated



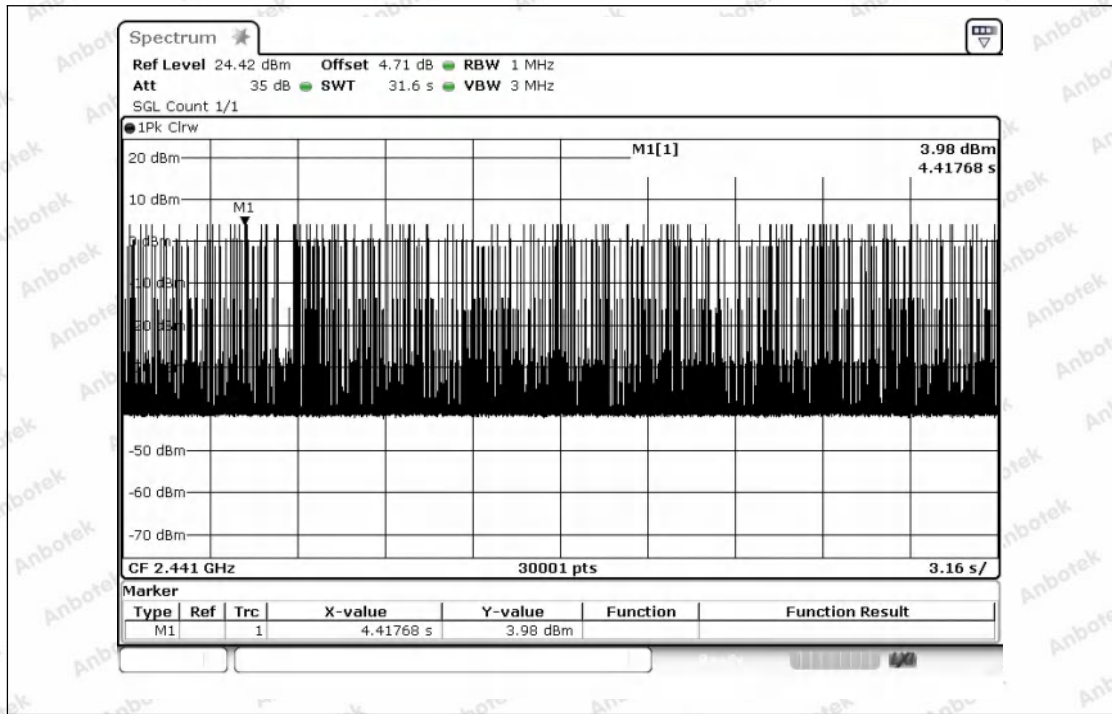


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_3-DH5\_2441\_One\_Burst\_Time

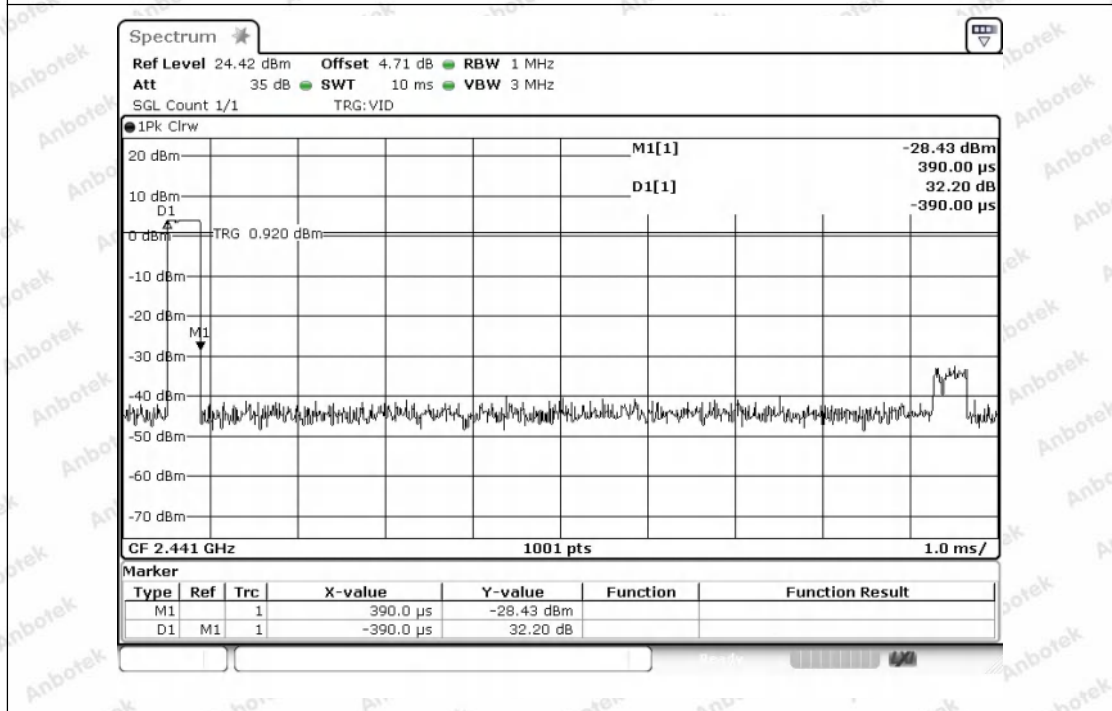


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_3-DH5\_2441\_Accumulated



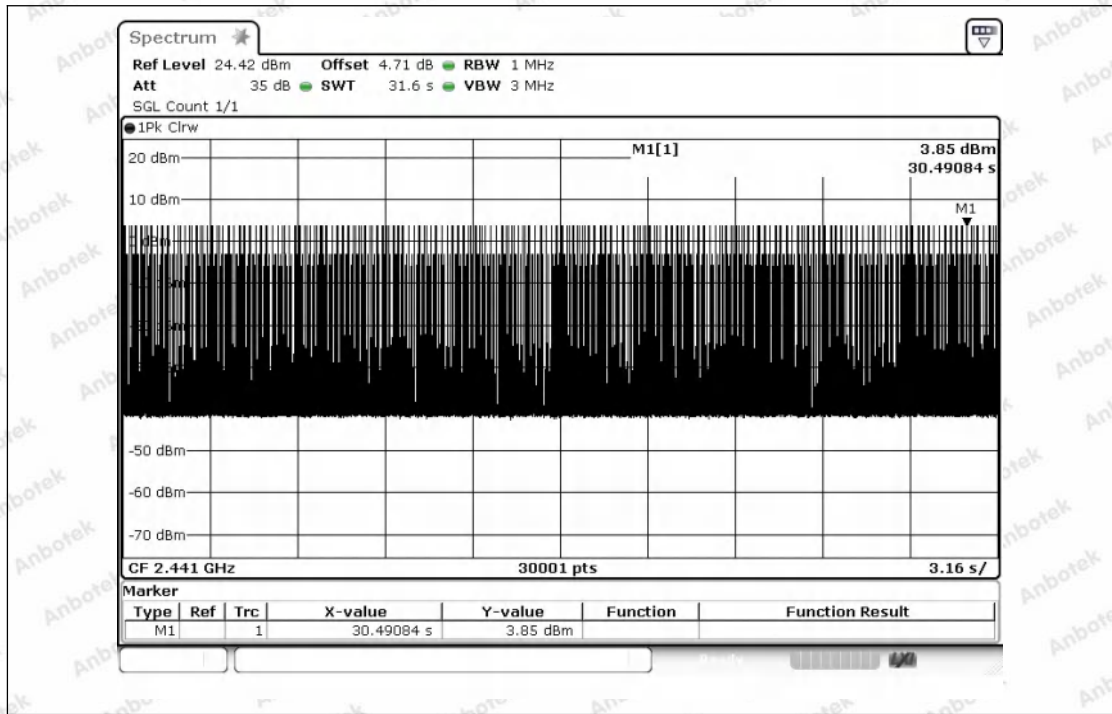


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH1\_2441\_One\_Burst\_Time

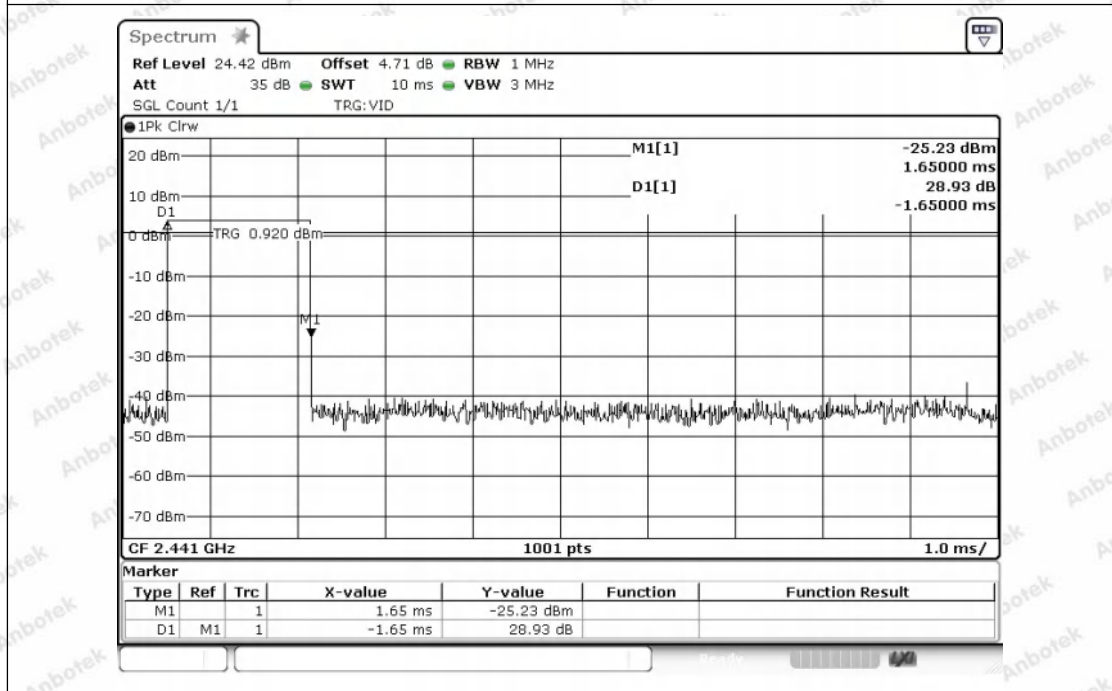


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH1\_2441\_Accumulated





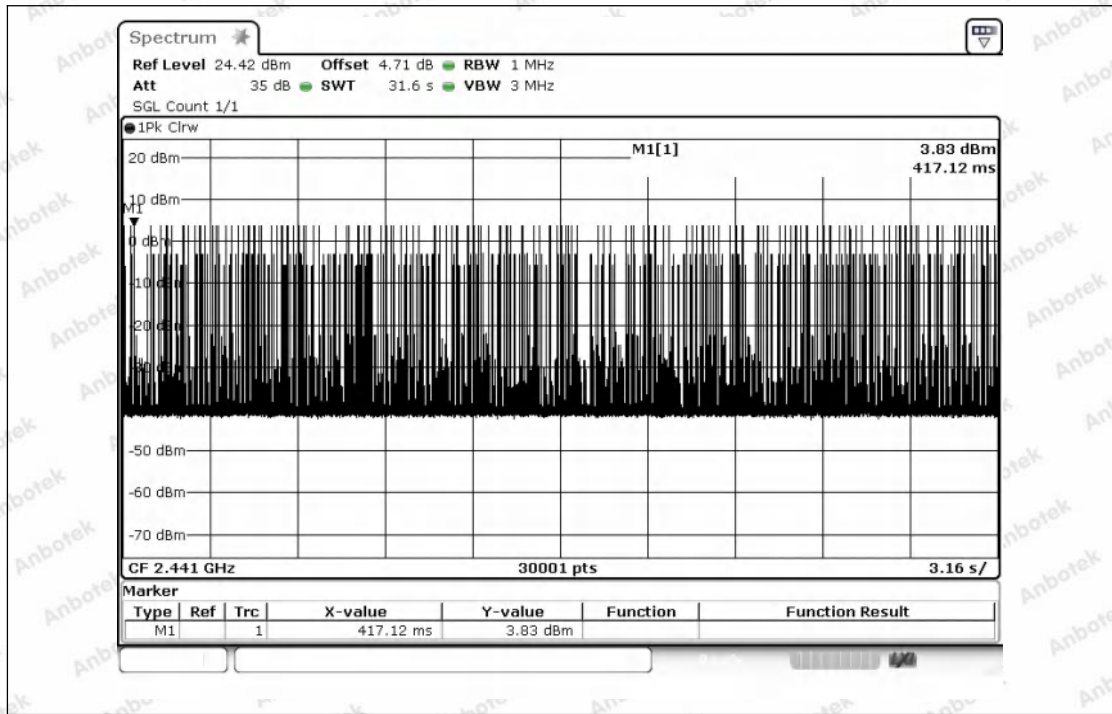
Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH3\_2441\_One\_Burst\_Time



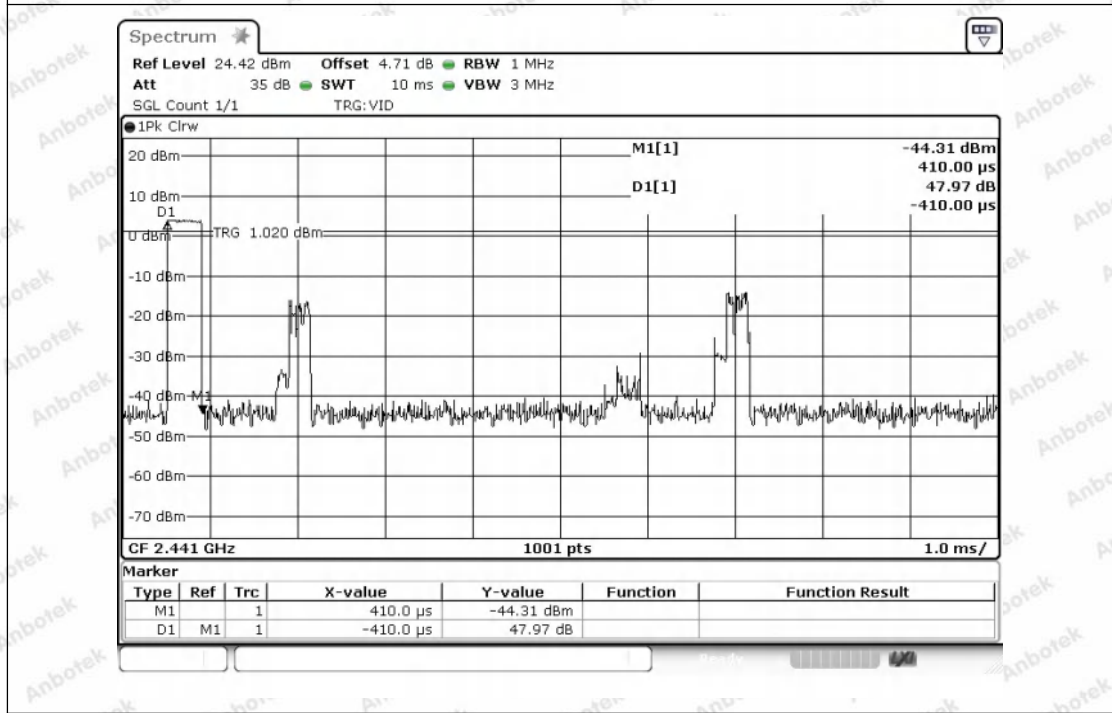
Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH3\_2441\_Accumulated





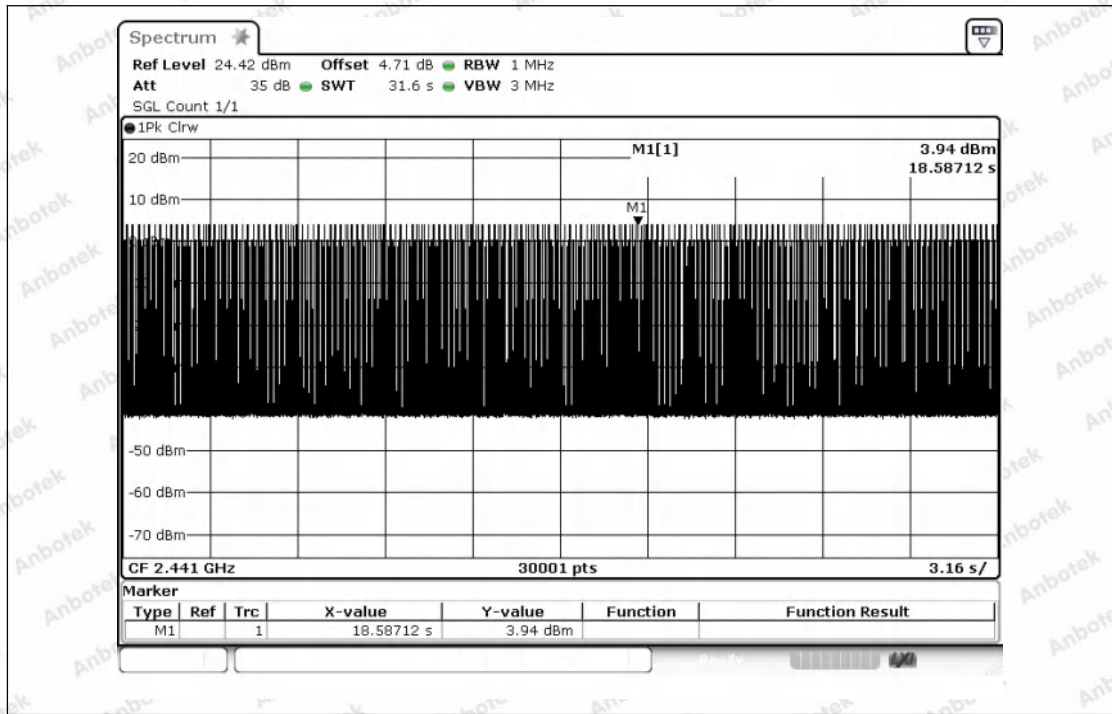


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH1\_2441\_One\_Burst\_Time

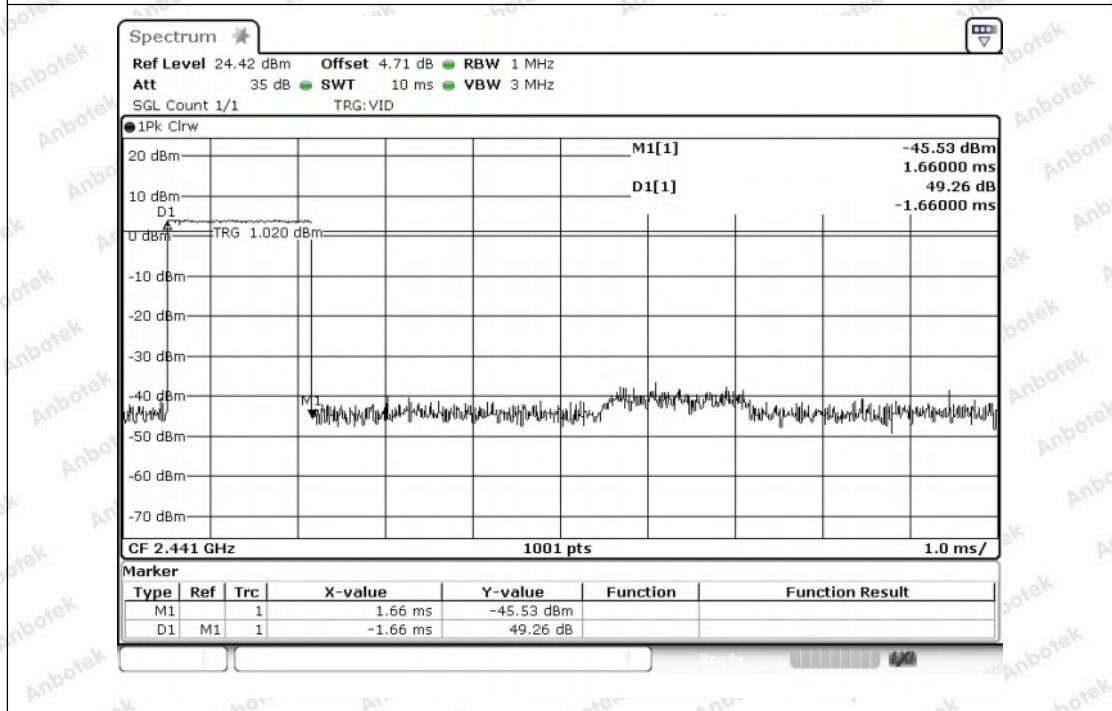


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH1\_2441\_Accumulated



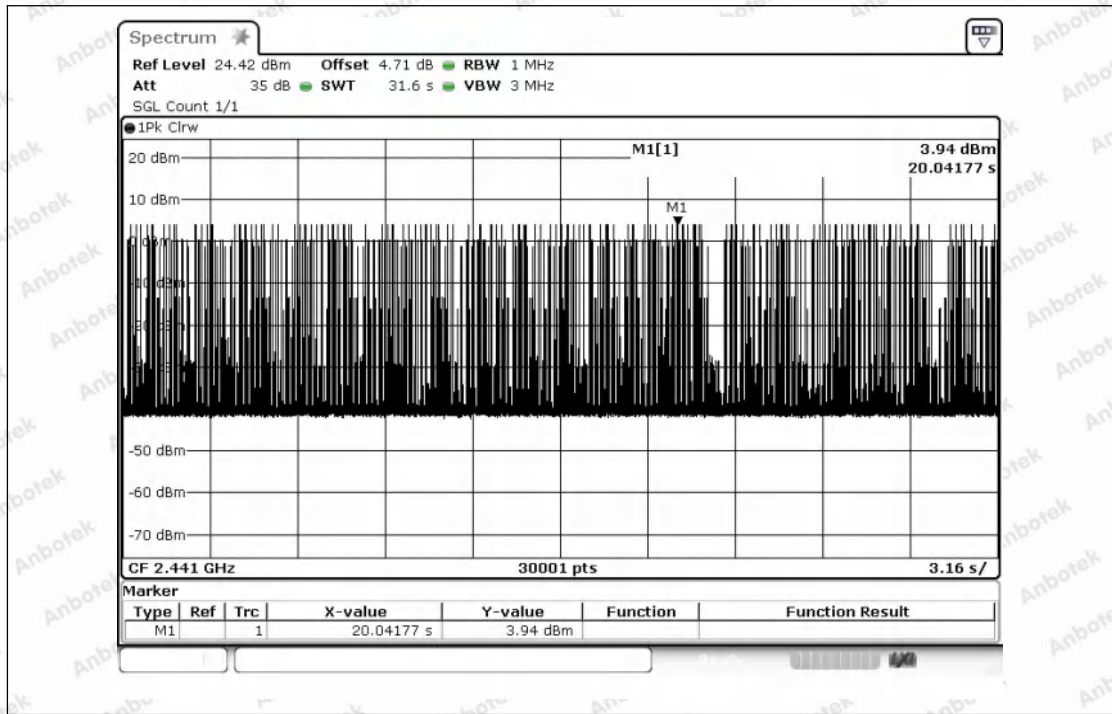


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH3\_2441\_One\_Burst\_Time

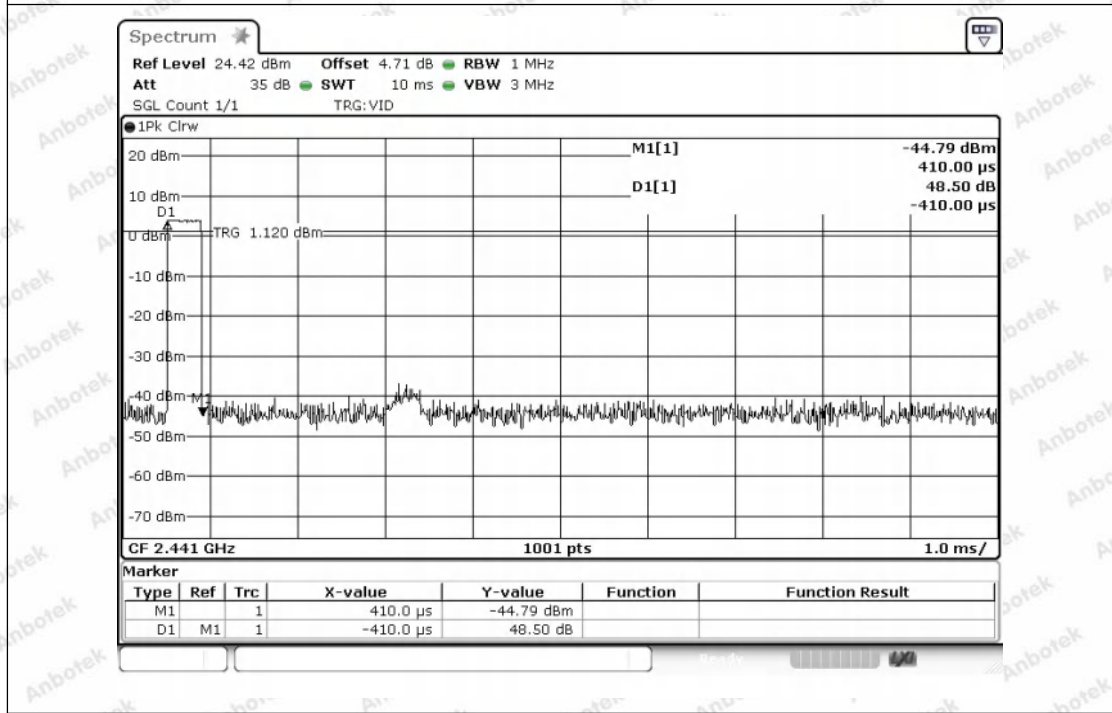


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH3\_2441\_Accumulated



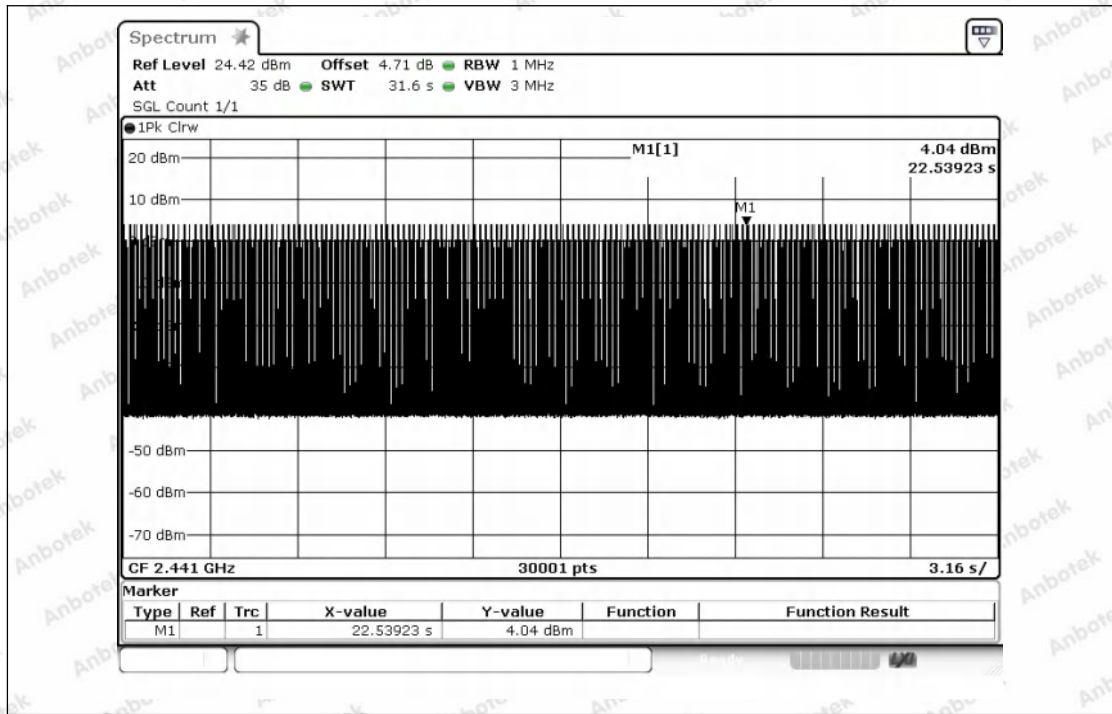


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_3-DH1\_2441\_One\_Burst\_Time

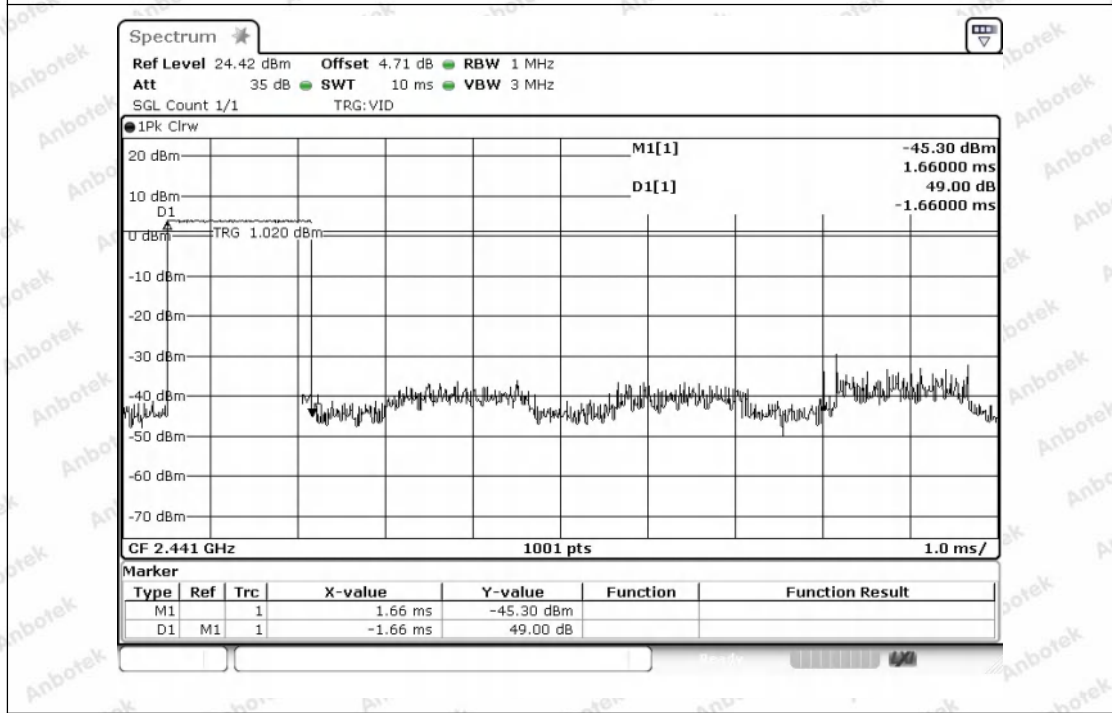


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_3-DH1\_2441\_Accumulated



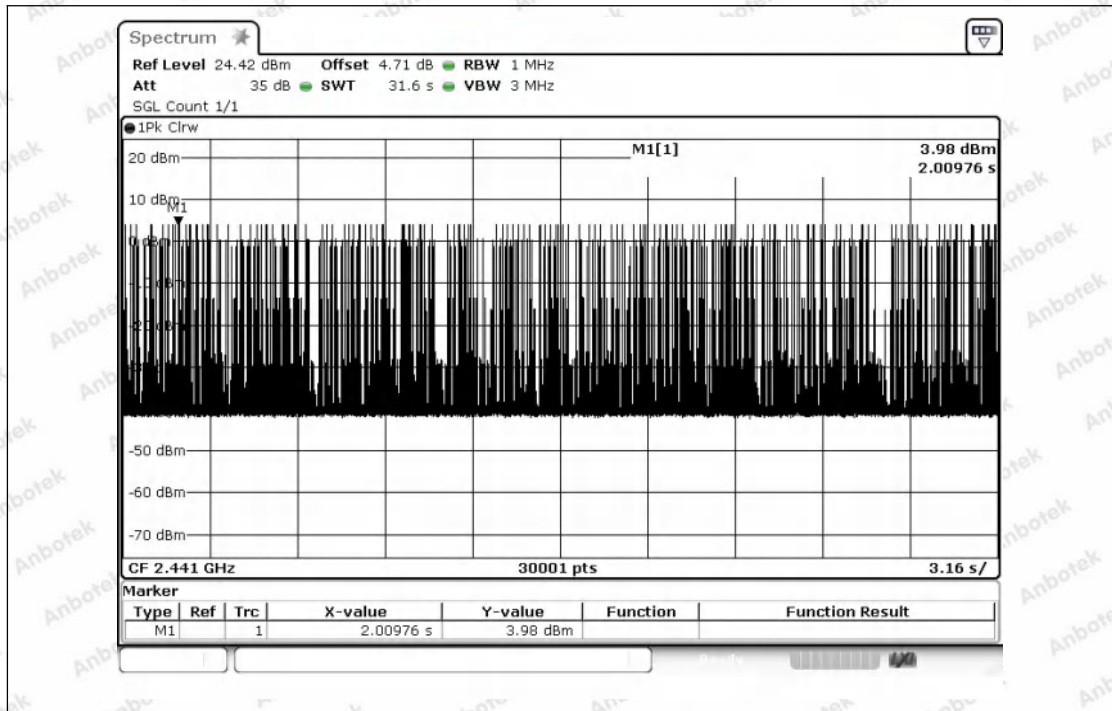


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_3-DH3\_2441\_One\_Burst\_Time



Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_3-DH3\_2441\_Accumulated





---END---

