

## Appendix Test Data

Report No.:	18220WC40075601	Test Sample No.:	1-2-2
Start Test Date:	2024.4.17	Finish Test Date:	2024.4.17
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

## Appendix A: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.935	No
NVNT	ANT1	1-DH5	2441.00	0.935	No
NVNT	ANT1	1-DH5	2480.00	0.938	No
NVNT	ANT1	2-DH5	2402.00	1.271	Yes
NVNT	ANT1	2-DH5	2441.00	1.268	Yes
NVNT	ANT1	2-DH5	2480.00	1.265	Yes
NVNT	ANT1	3-DH5	2402.00	1.235	Yes
NVNT	ANT1	3-DH5	2441.00	1.235	Yes
NVNT	ANT1	3-DH5	2480.00	1.199	Yes

-20dB\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2402

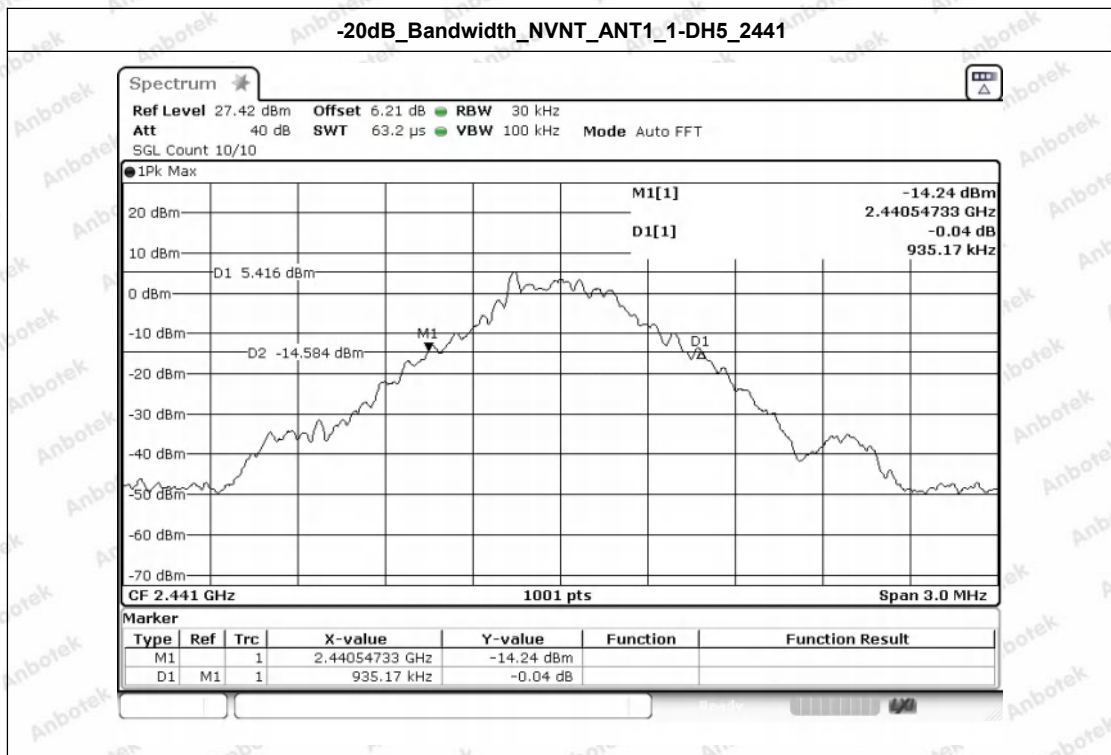
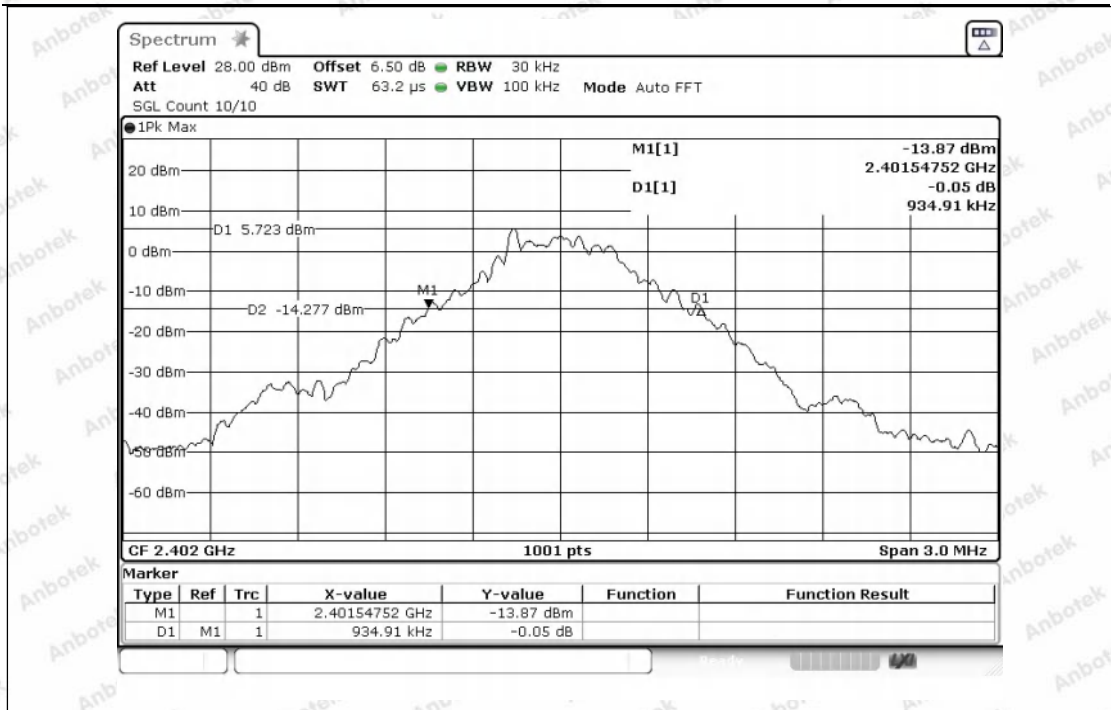
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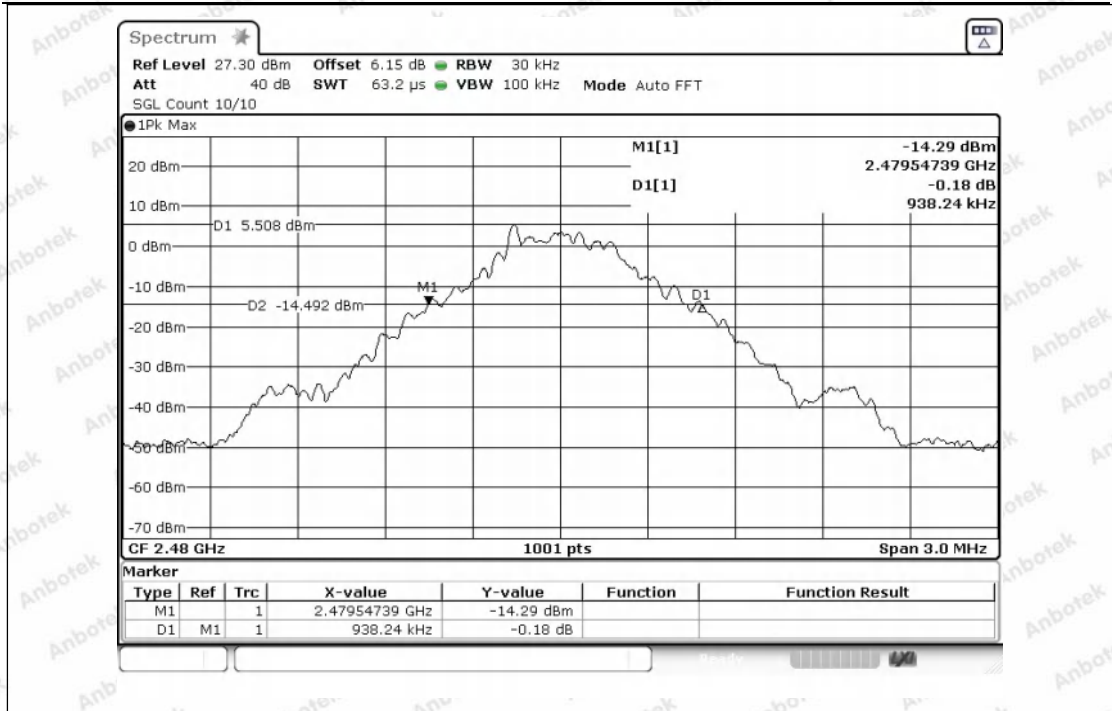
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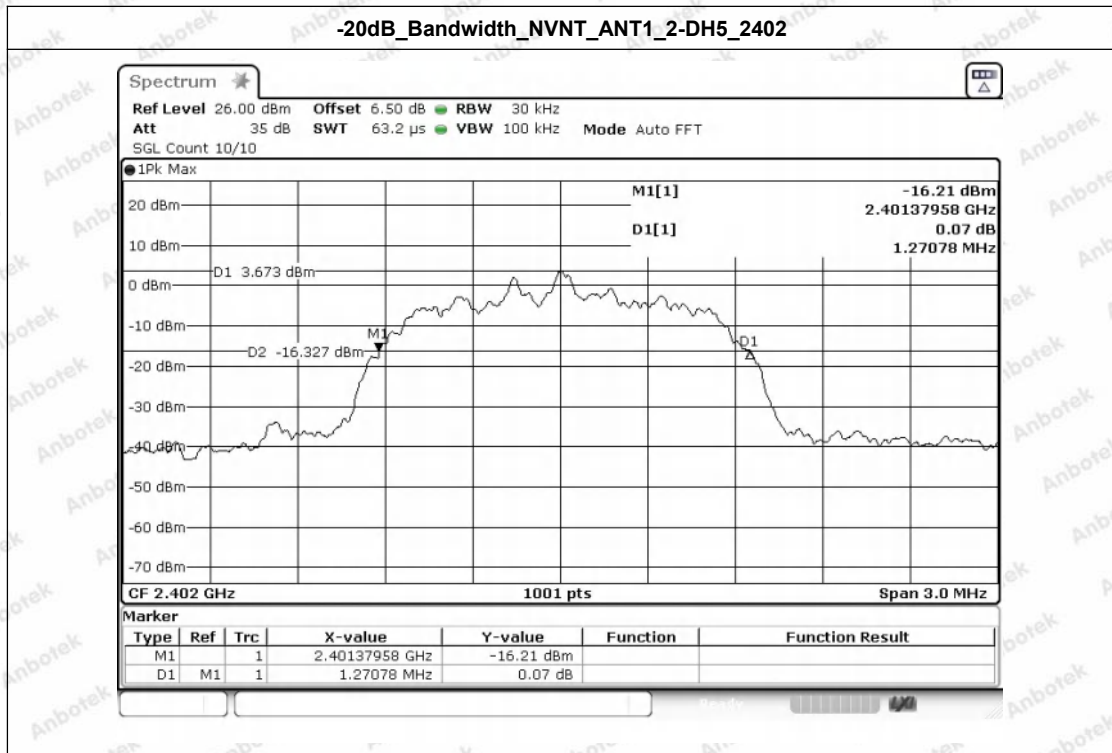


**-20dB\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2480**





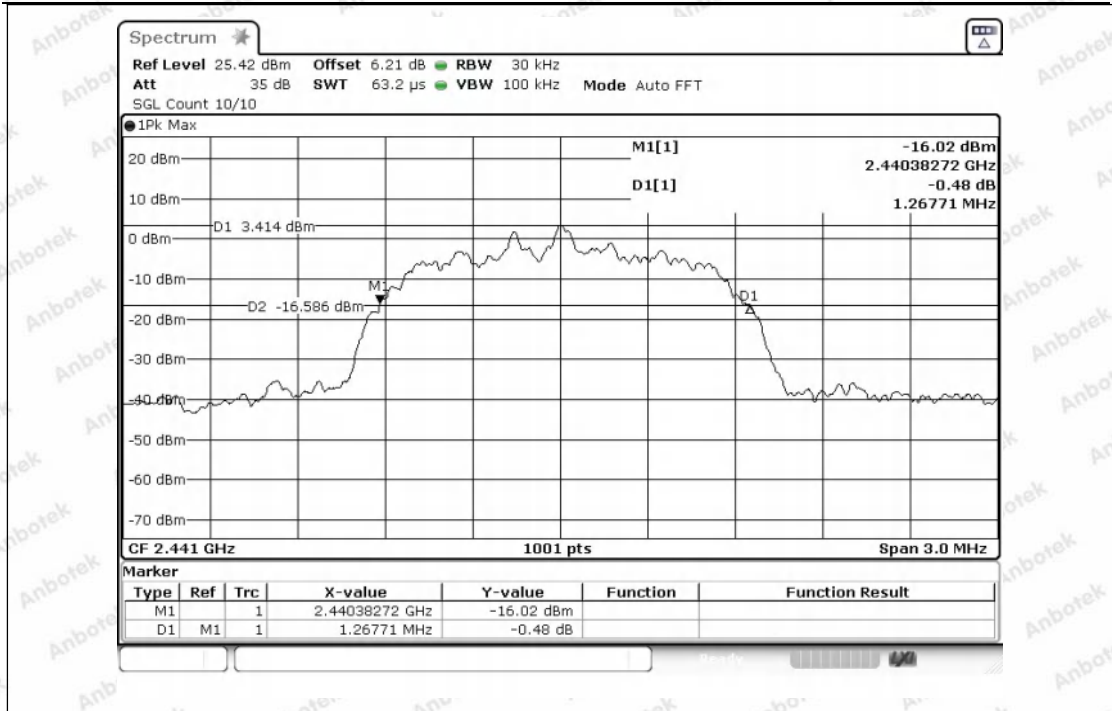
**-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2402**



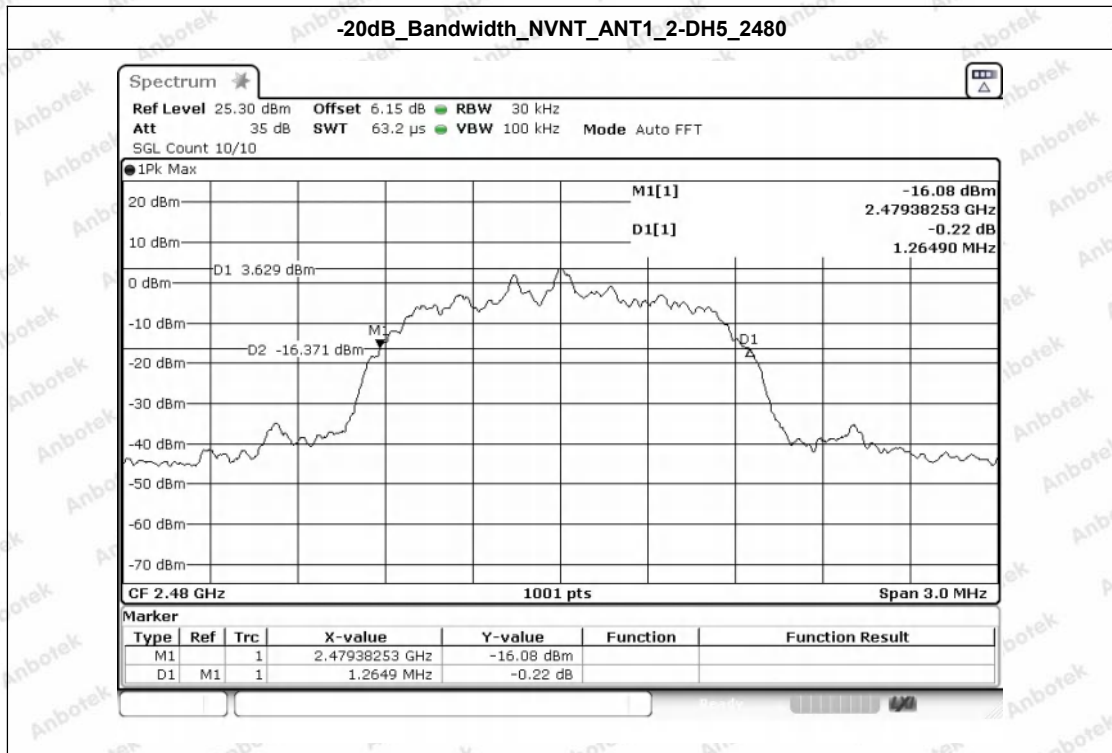
**-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2441**





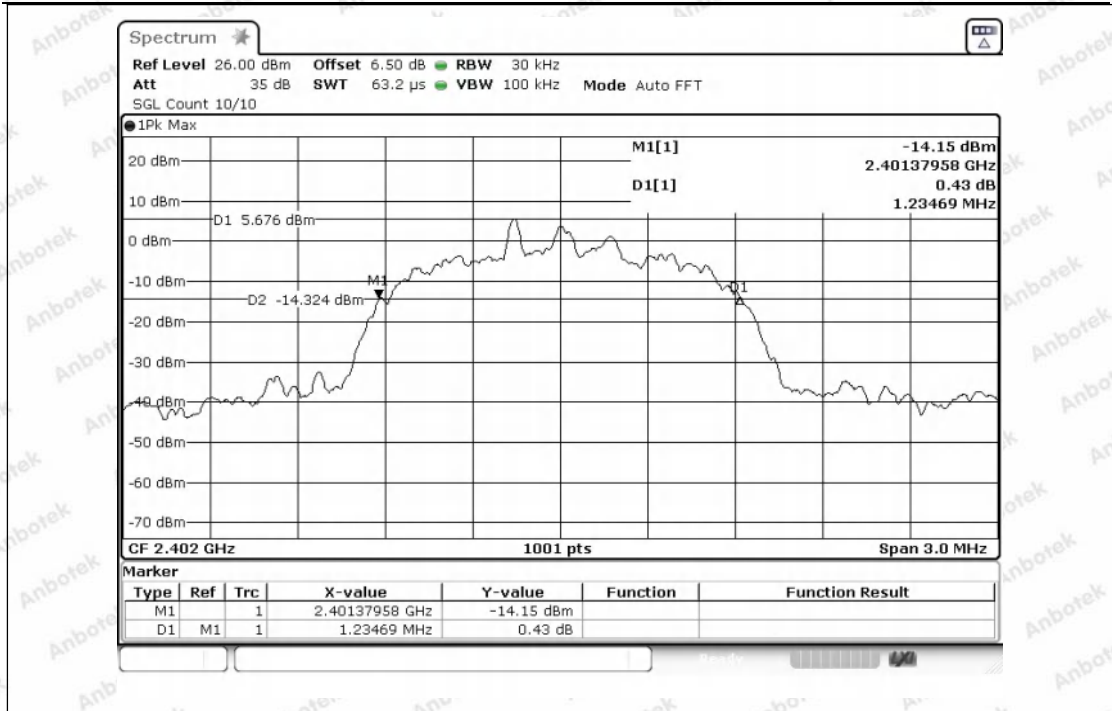


-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2480

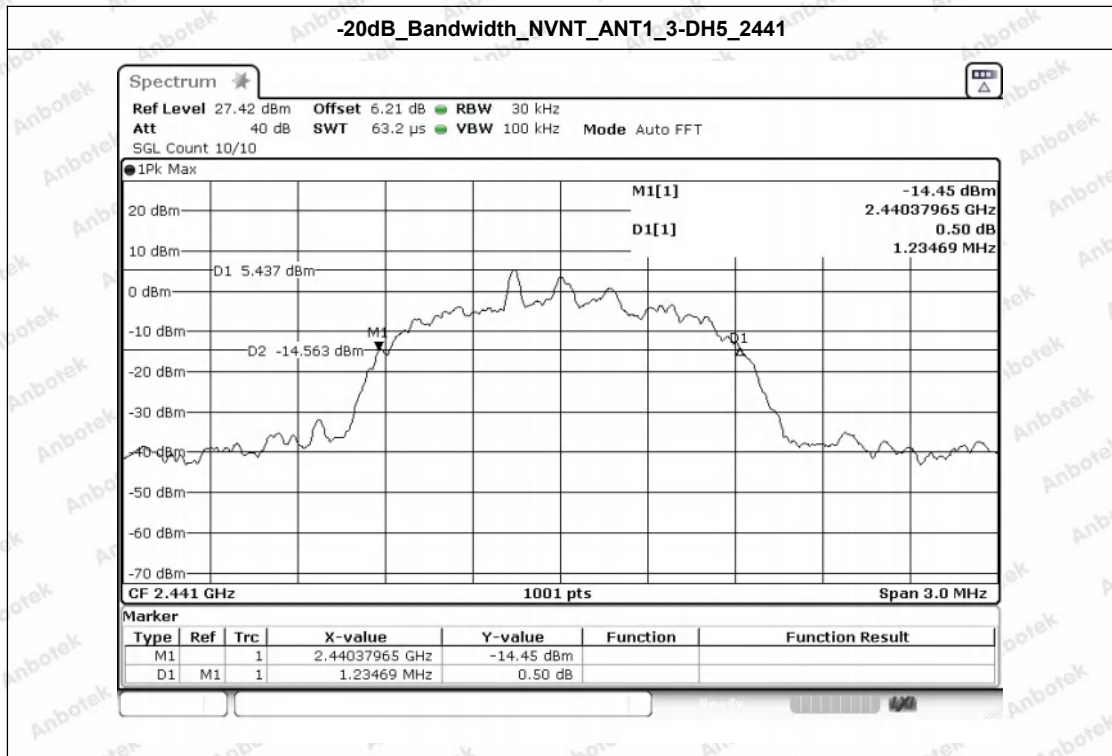


-20dB\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2402



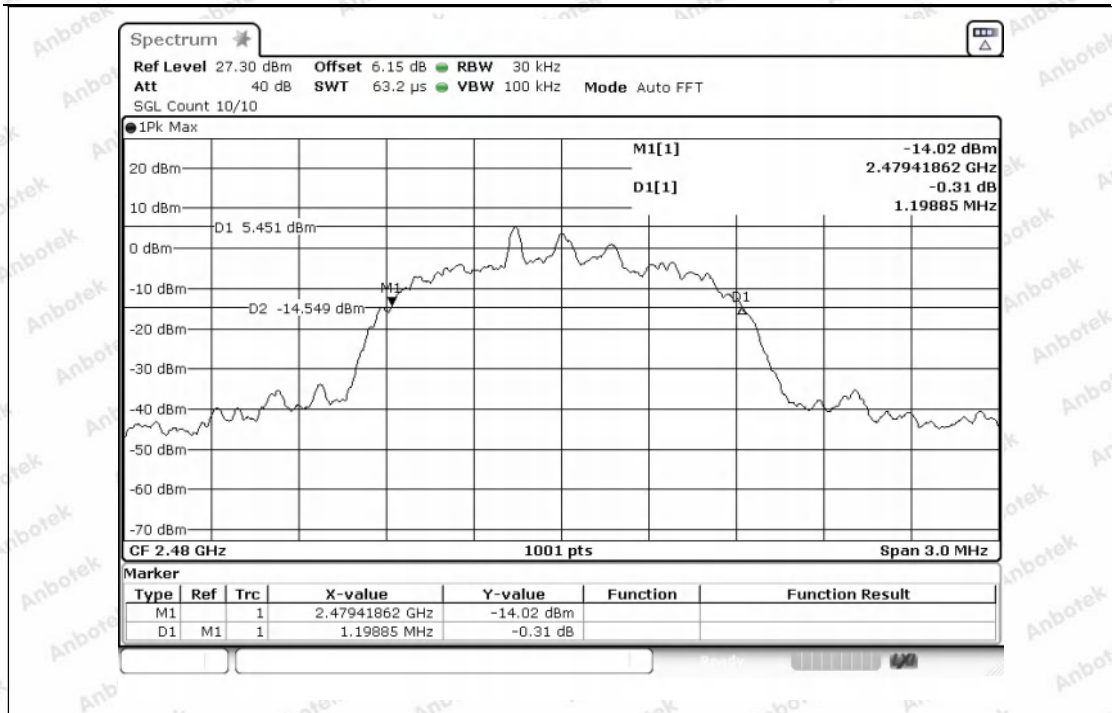


-20dB\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2441



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





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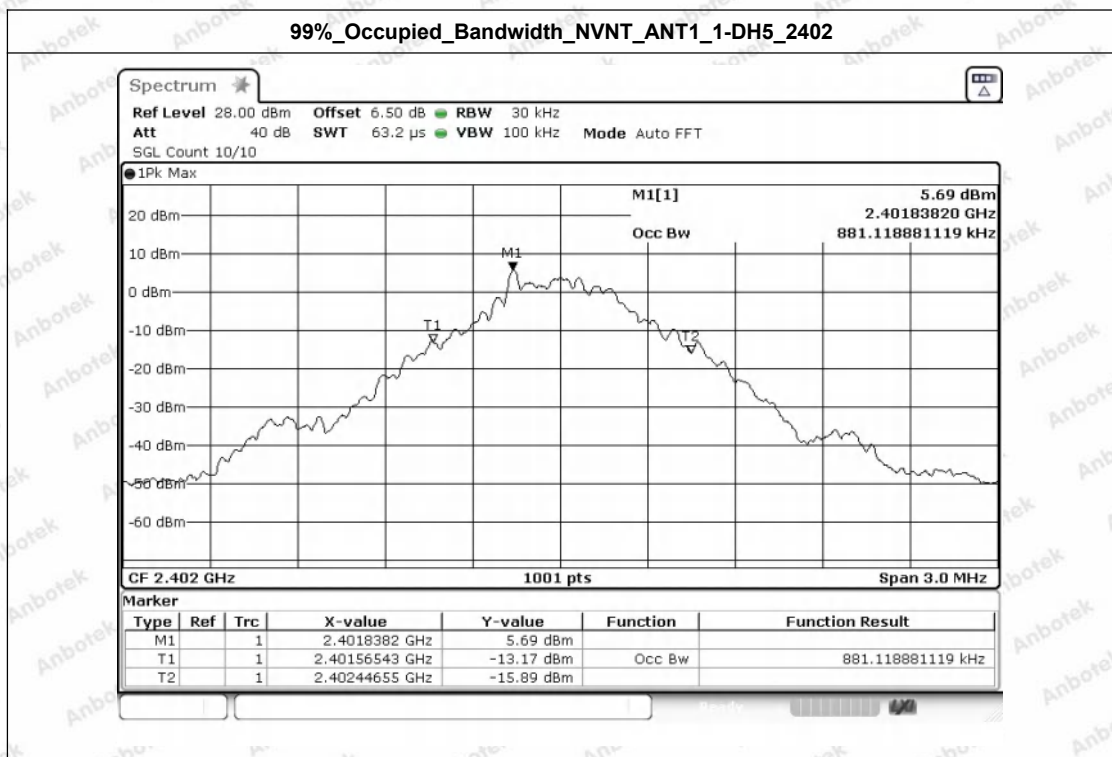
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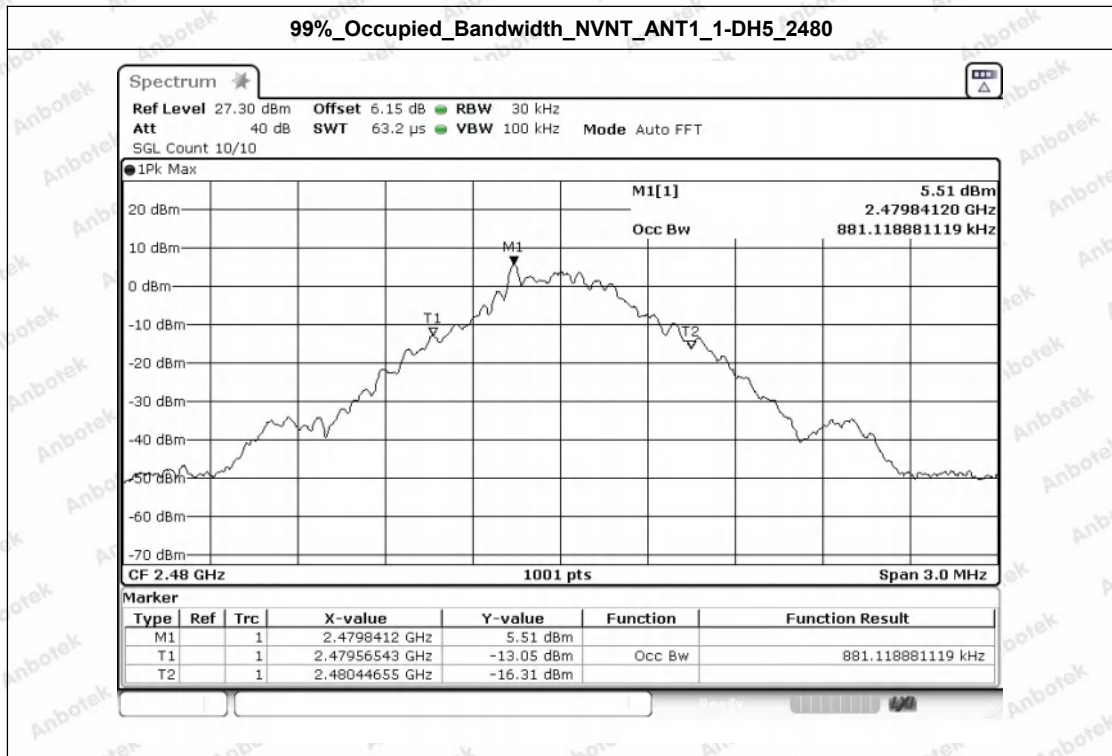
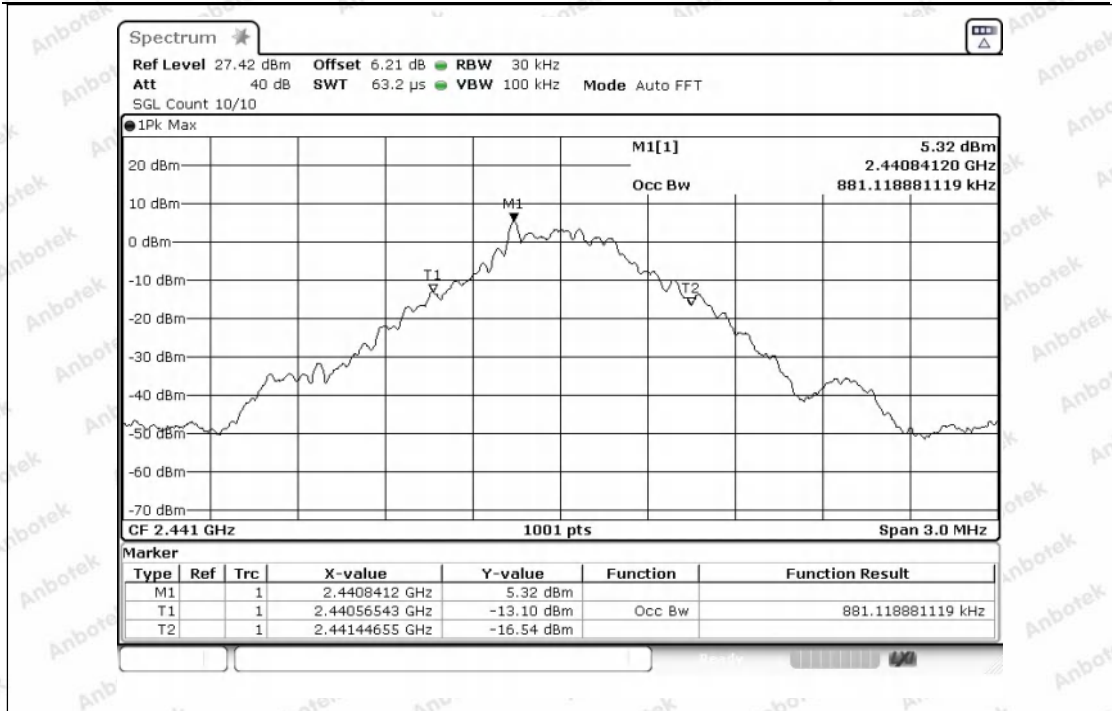
## Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH5	2402.00	0.881
NVNT	ANT1	1-DH5	2441.00	0.881
NVNT	ANT1	1-DH5	2480.00	0.881
NVNT	ANT1	2-DH5	2402.00	1.166
NVNT	ANT1	2-DH5	2441.00	1.166
NVNT	ANT1	2-DH5	2480.00	1.163
NVNT	ANT1	3-DH5	2402.00	1.154
NVNT	ANT1	3-DH5	2441.00	1.151
NVNT	ANT1	3-DH5	2480.00	1.151



**99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2441**





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

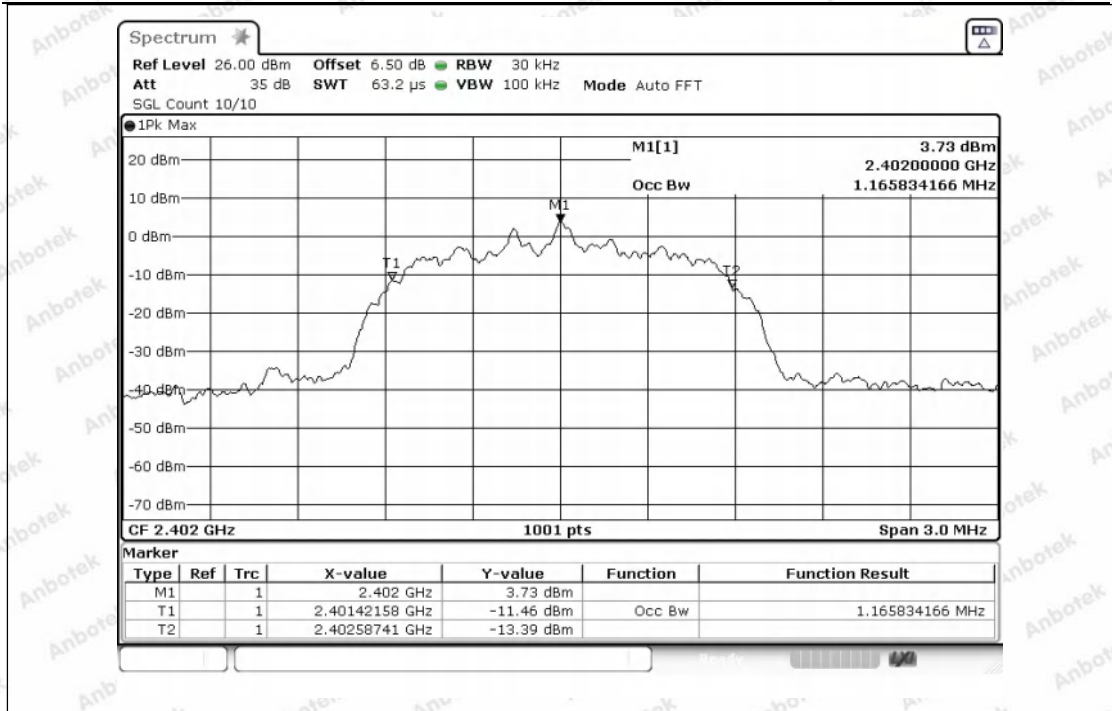
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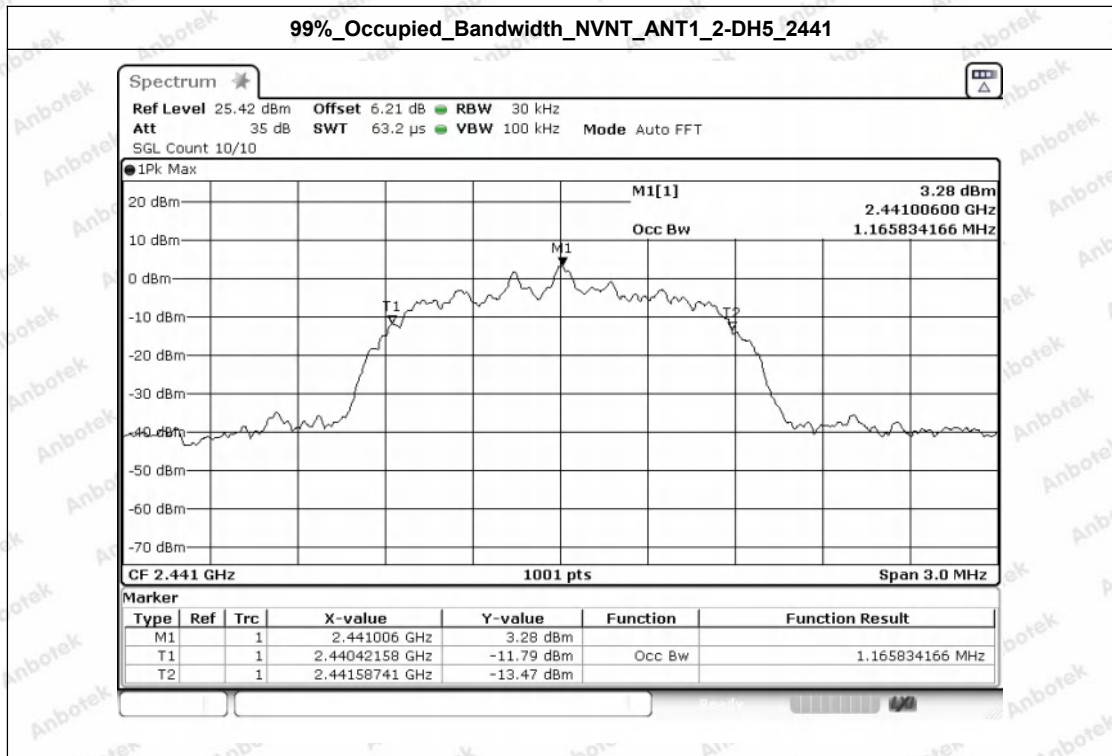
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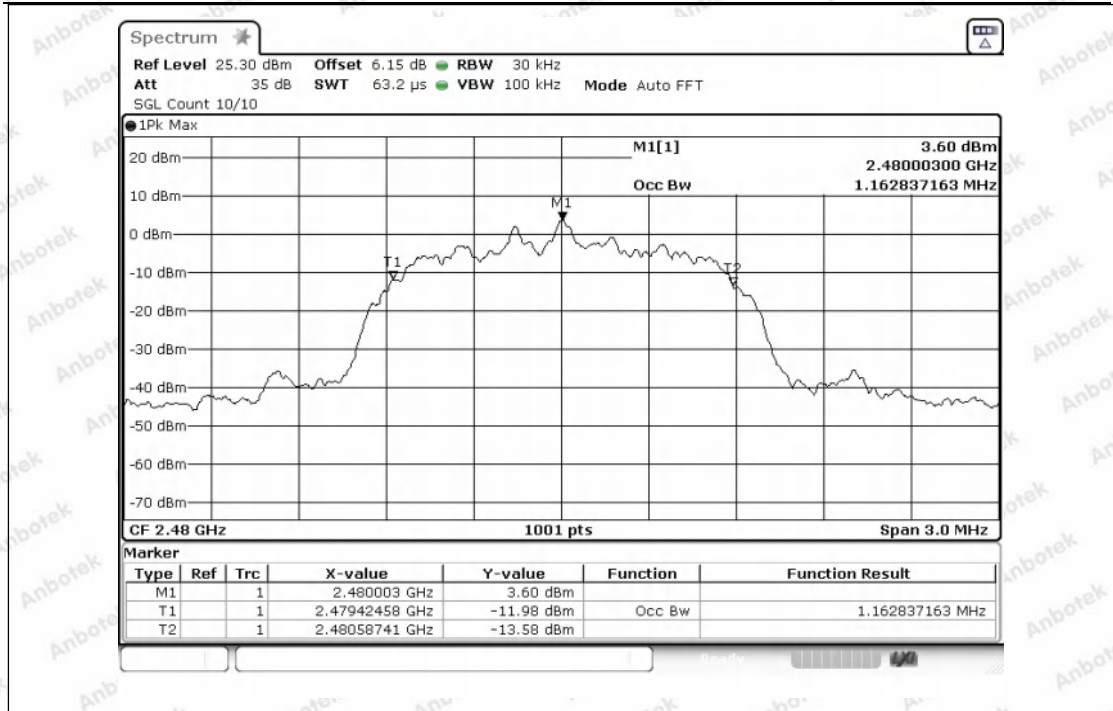


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2441

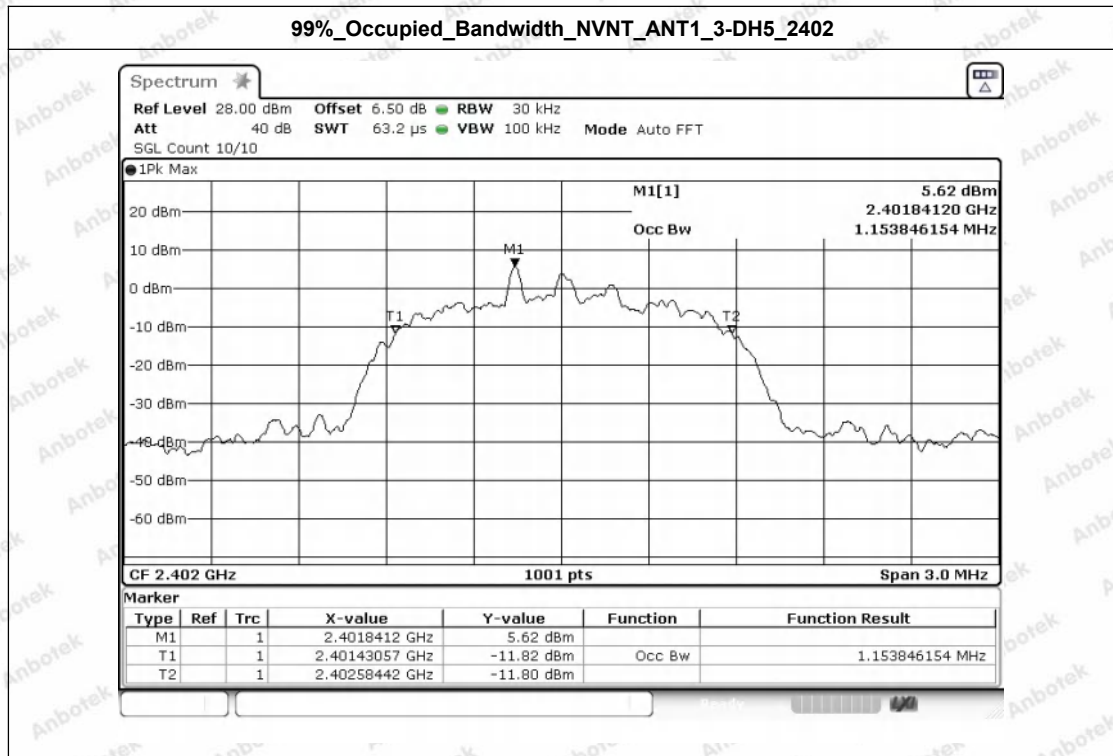


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2480



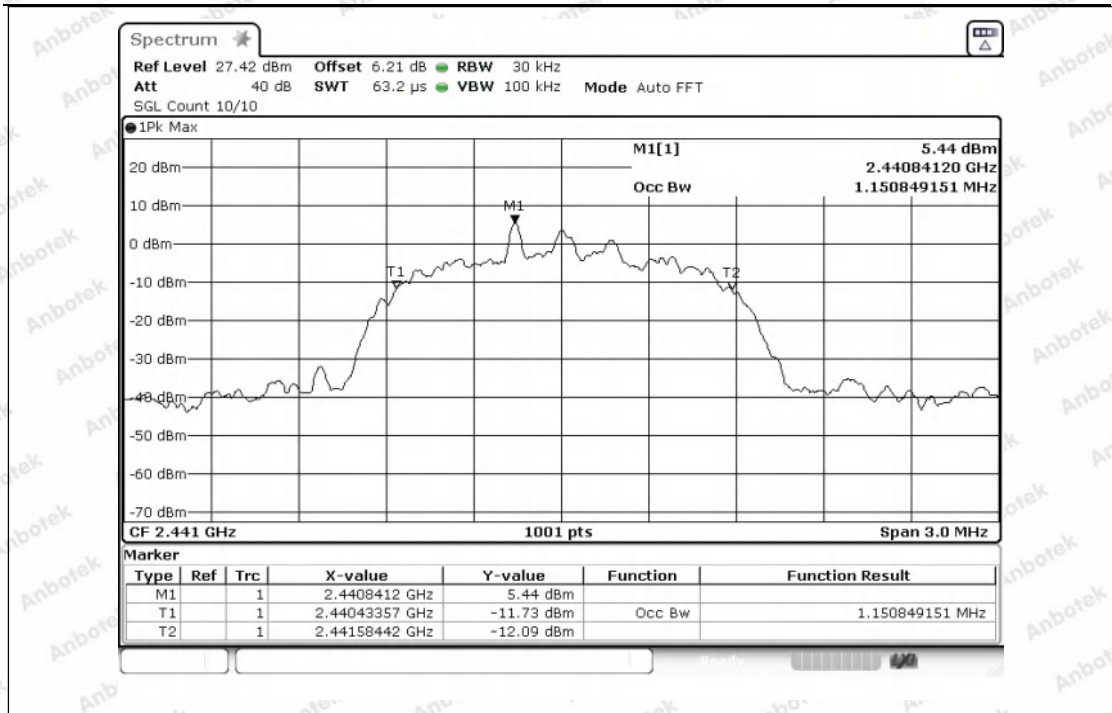


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2402

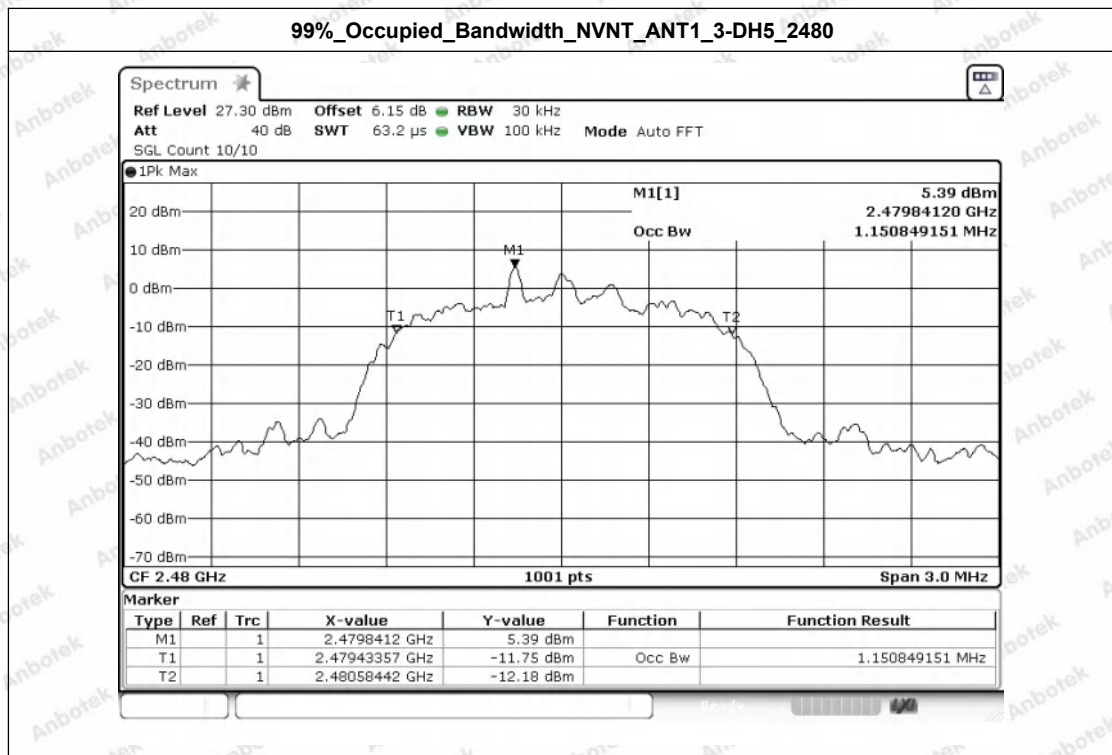


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_3-DH5\_2441





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



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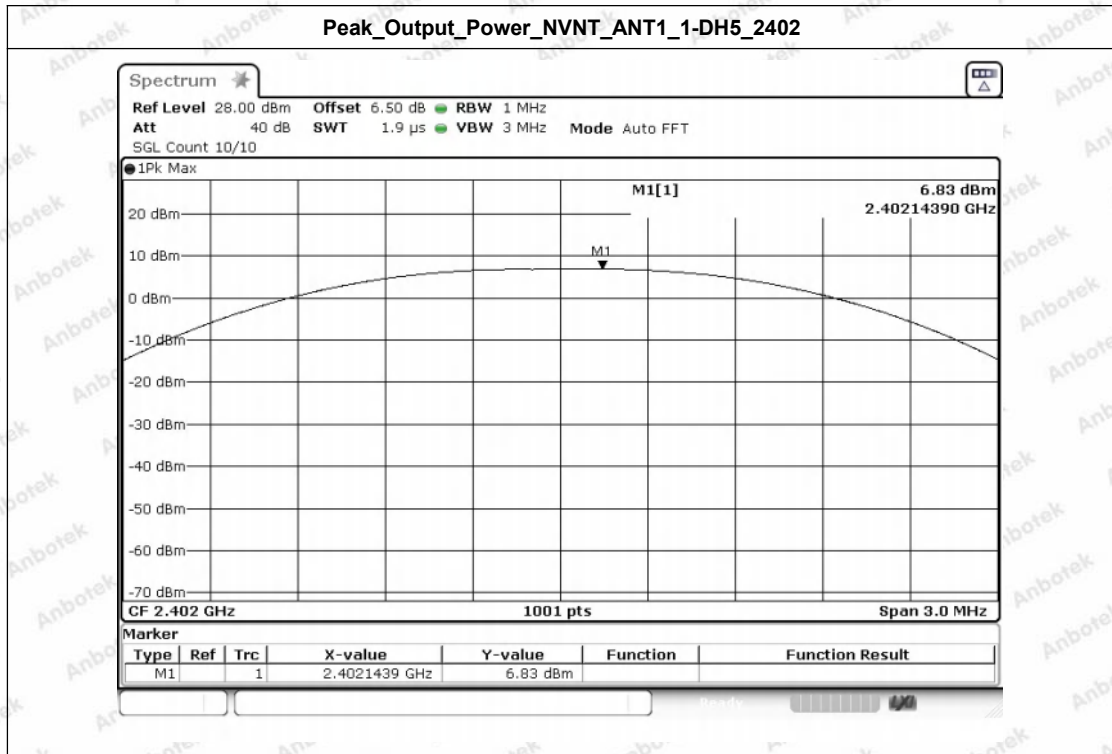
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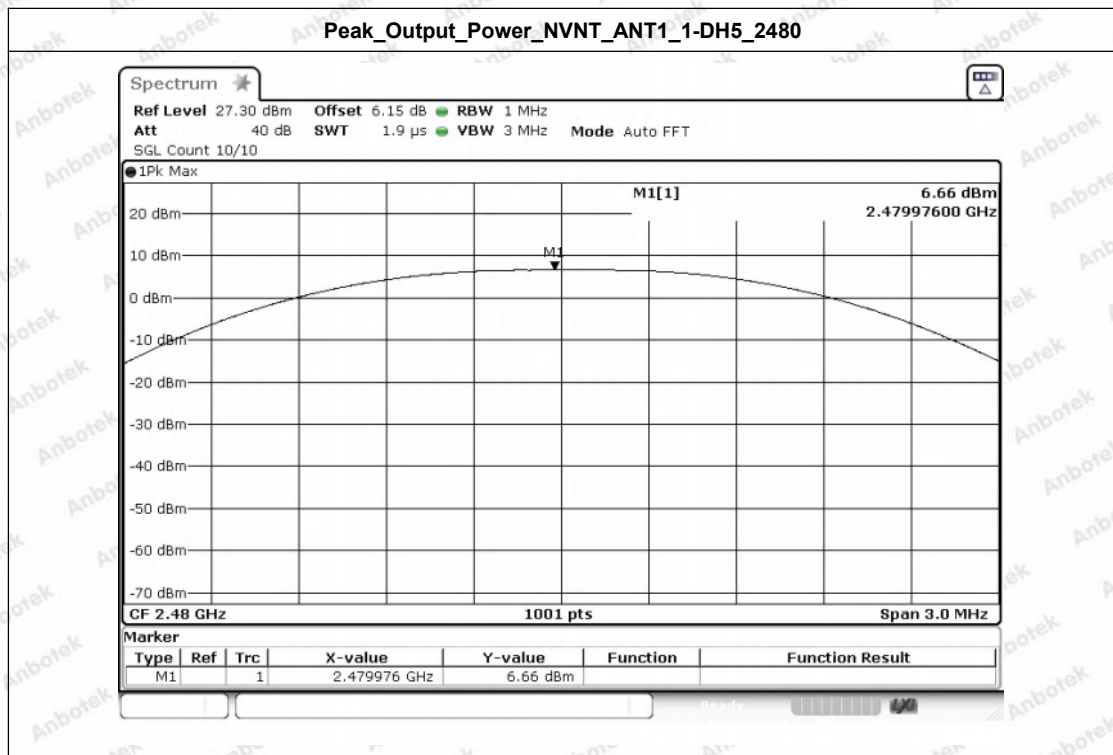
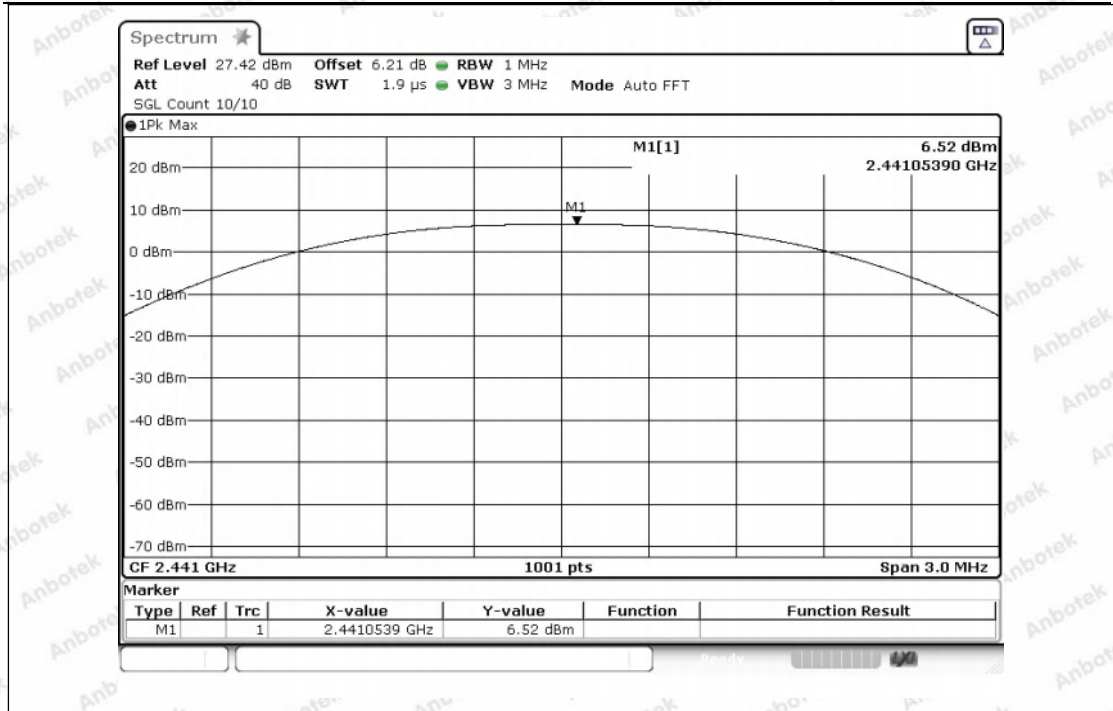
## Appendix C: Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	6.83	4.82	1000	Pass
NVNT	ANT1	1-DH5	2441.00	6.52	4.49	1000	Pass
NVNT	ANT1	1-DH5	2480.00	6.66	4.63	1000	Pass
NVNT	ANT1	2-DH5	2402.00	6.78	4.77	125	Pass
NVNT	ANT1	2-DH5	2441.00	6.59	4.56	125	Pass
NVNT	ANT1	2-DH5	2480.00	6.70	4.68	125	Pass
NVNT	ANT1	3-DH5	2402.00	<b>6.91</b>	4.91	125	Pass
NVNT	ANT1	3-DH5	2441.00	6.54	4.51	125	Pass
NVNT	ANT1	3-DH5	2480.00	6.68	4.65	125	Pass



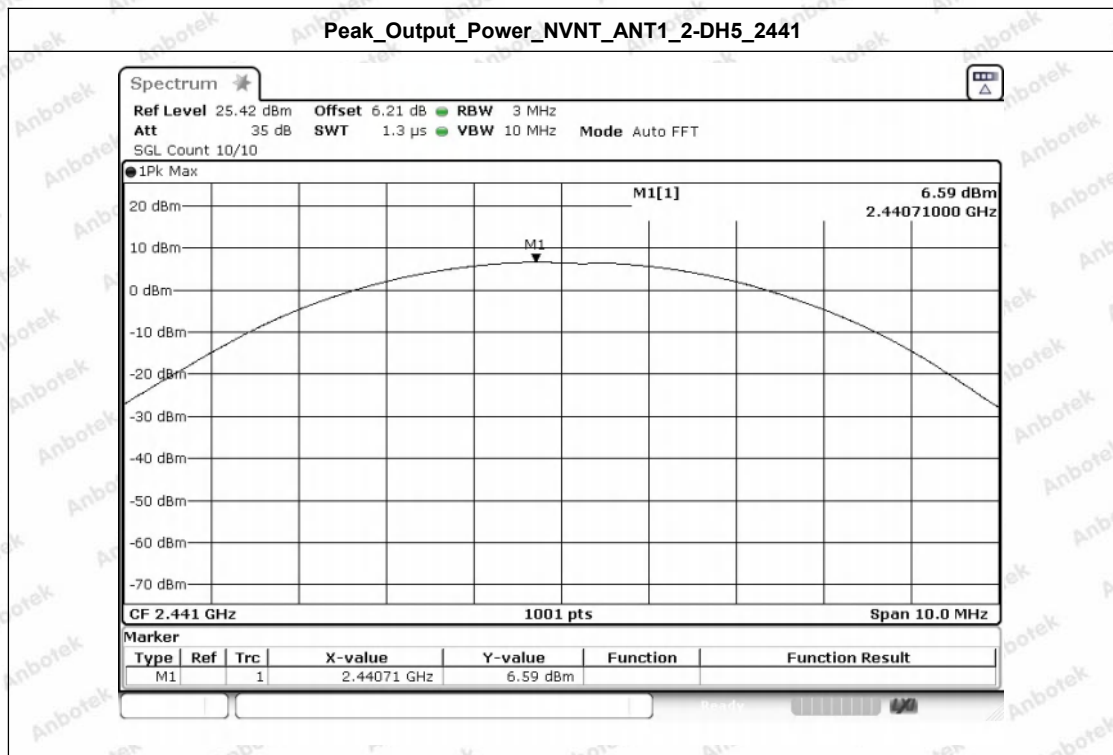
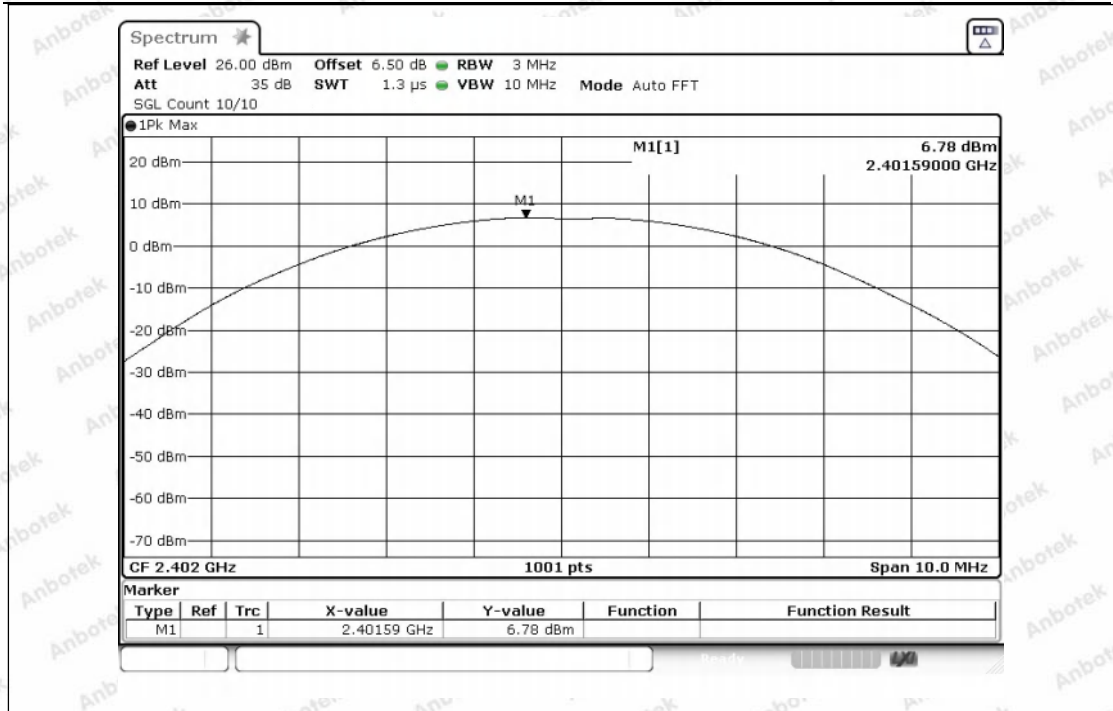
**Peak\_Output\_Power\_NVNT\_ANT1\_1-DH5\_2441**





**Peak Output Power NVNT\_ANT1\_2-DH5\_2402**

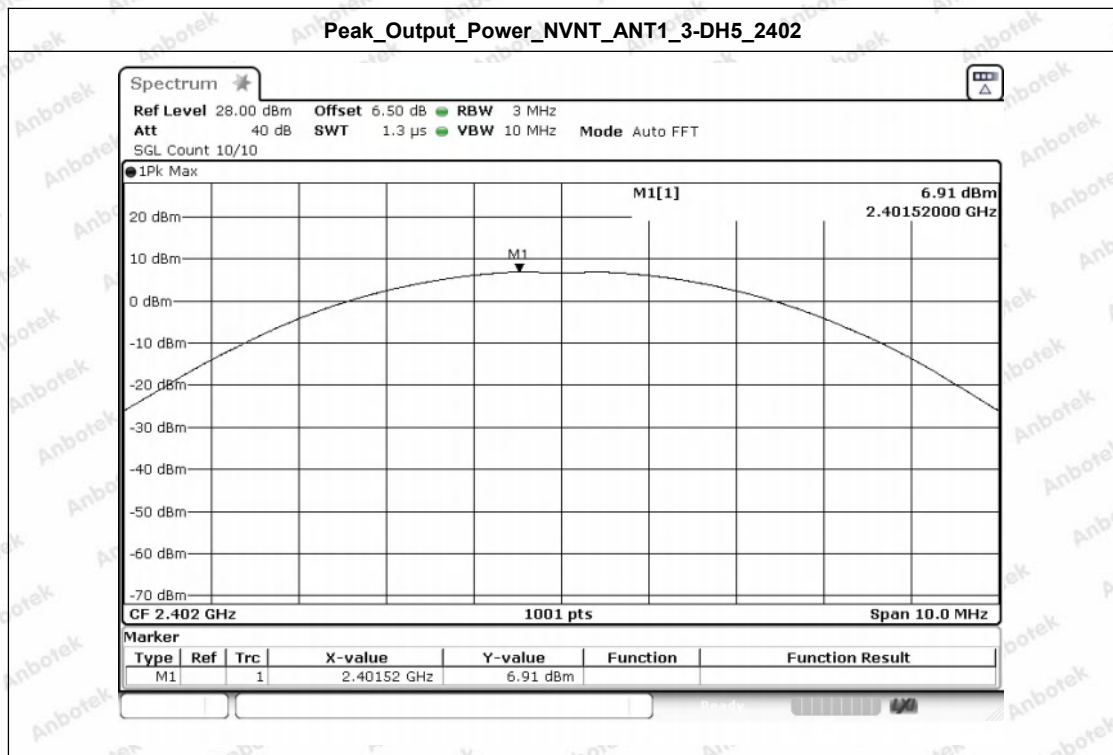
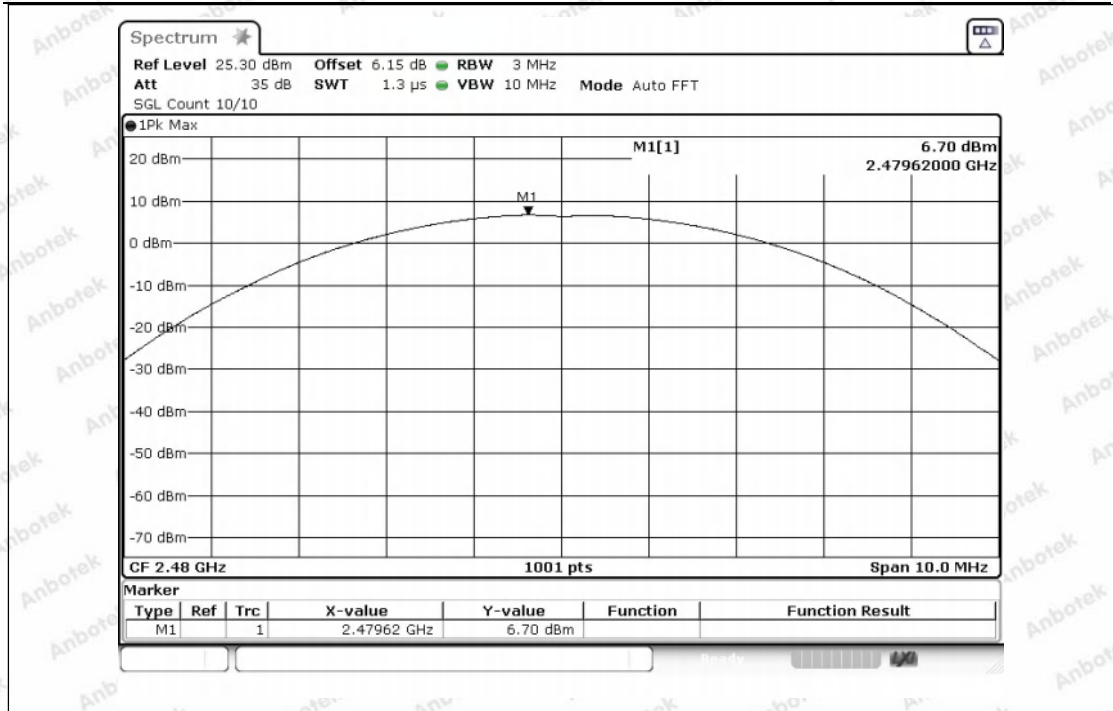




**Peak Output Power NVNT\_ANT1\_2-DH5\_2480**

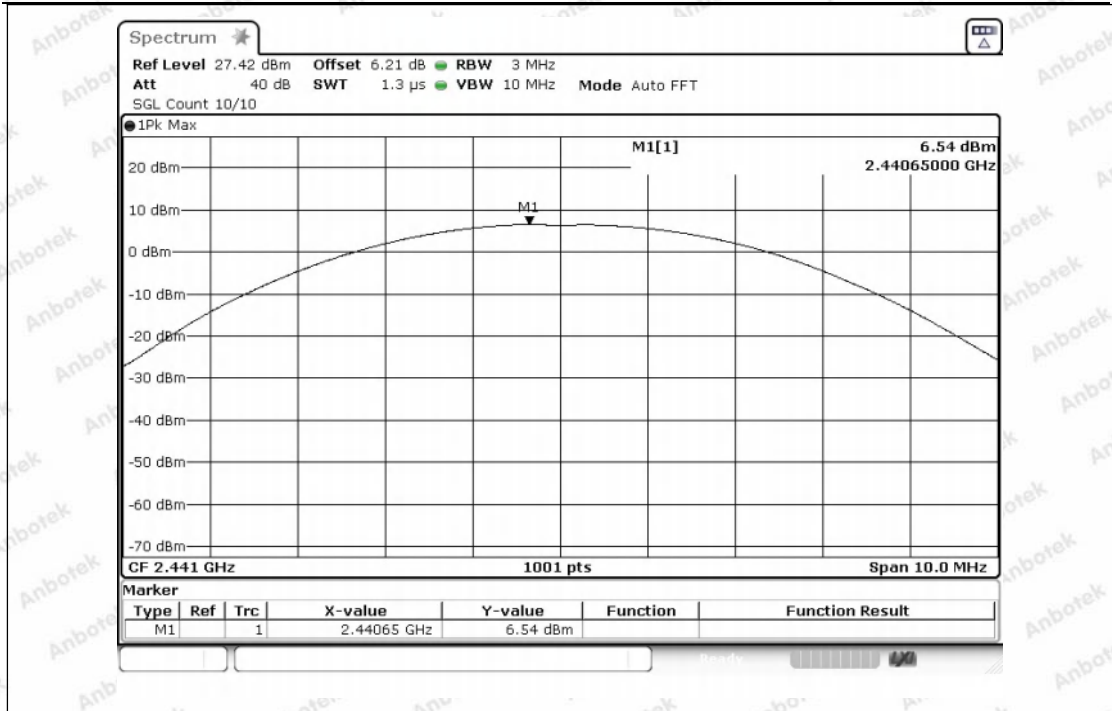




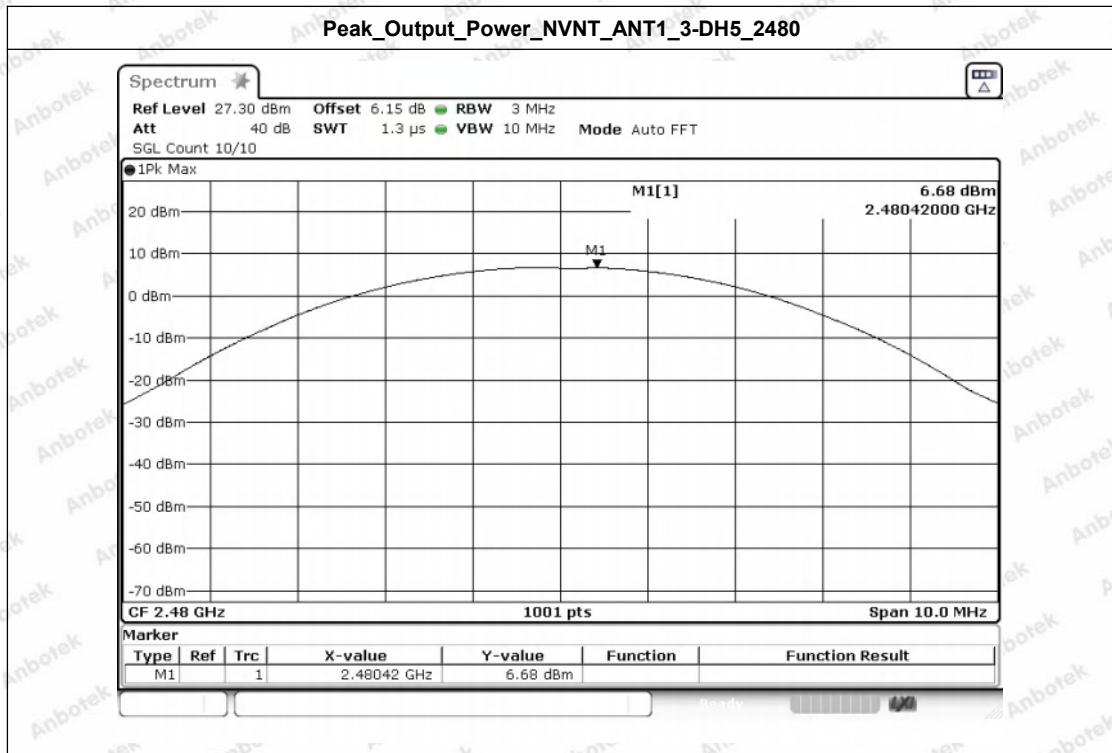


**Peak Output Power NVNT\_ANT1\_3-DH5\_2441**





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



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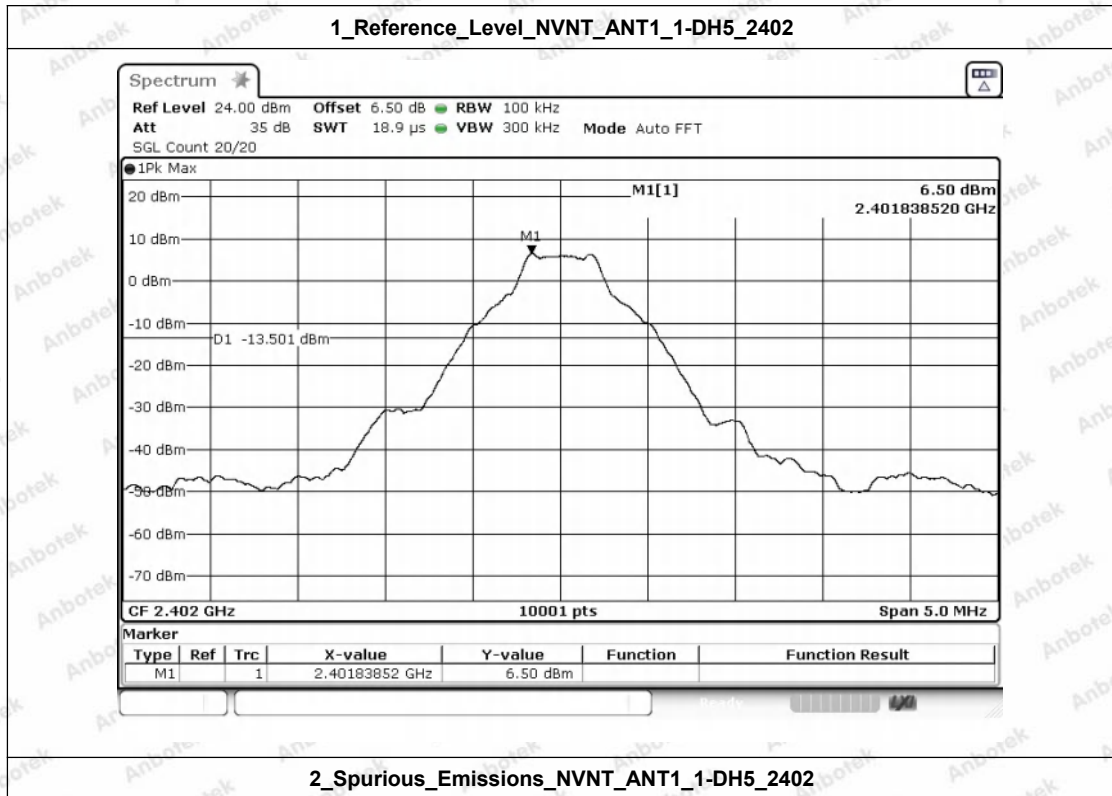


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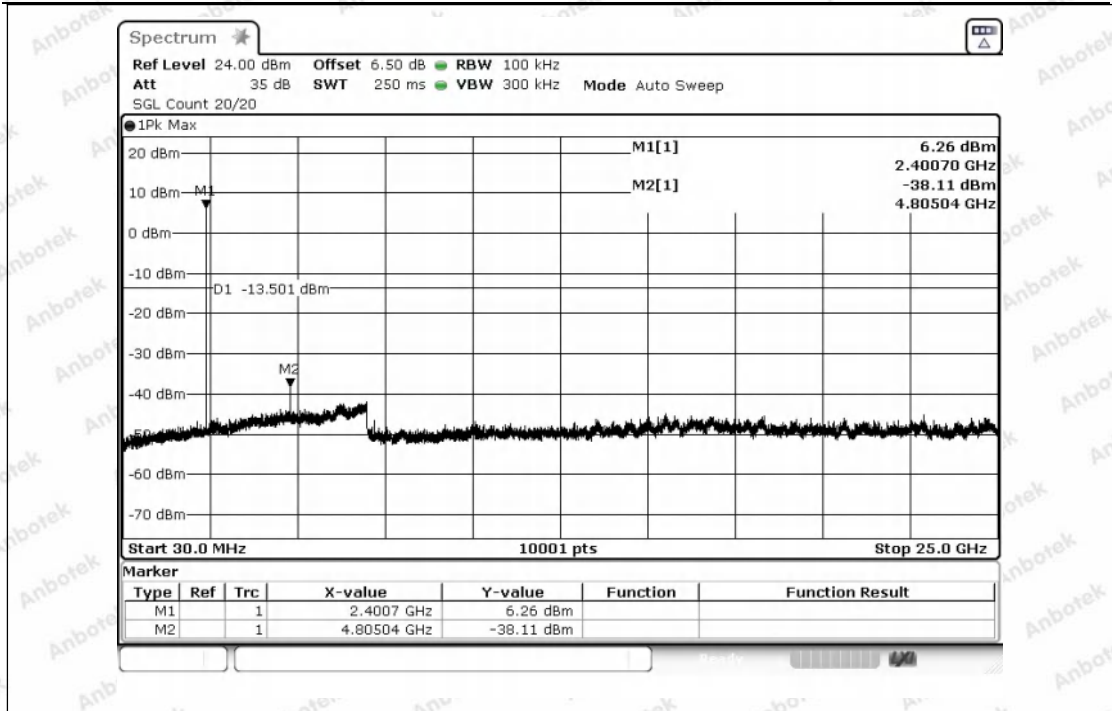


## Appendix D: Spurious Emissions

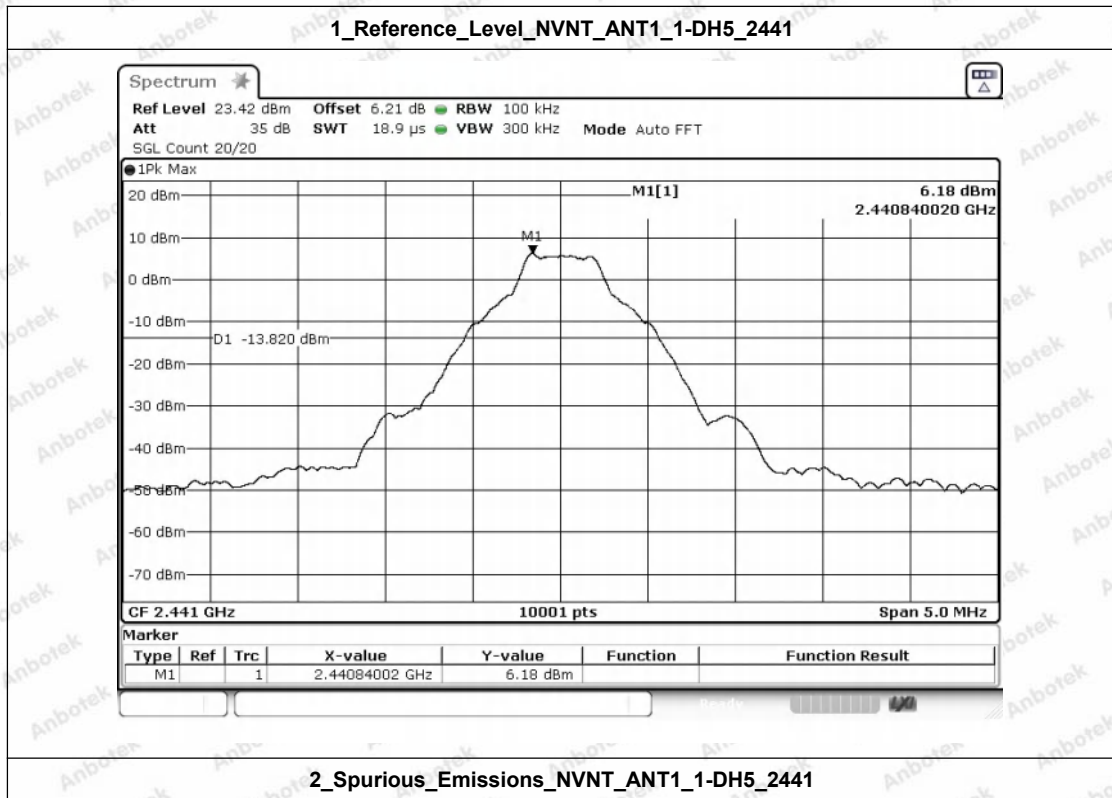
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-38.110	-13.501	Pass
NVNT	ANT1	1-DH5	2441.00	-37.435	-13.820	Pass
NVNT	ANT1	1-DH5	2480.00	-36.546	-13.623	Pass
NVNT	ANT1	2-DH5	2402.00	-36.512	-14.057	Pass
NVNT	ANT1	2-DH5	2441.00	-37.180	-13.857	Pass
NVNT	ANT1	2-DH5	2480.00	-34.714	-13.930	Pass
NVNT	ANT1	3-DH5	2402.00	-40.239	-13.436	Pass
NVNT	ANT1	3-DH5	2441.00	-36.794	-13.682	Pass
NVNT	ANT1	3-DH5	2480.00	-40.154	-13.540	Pass







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



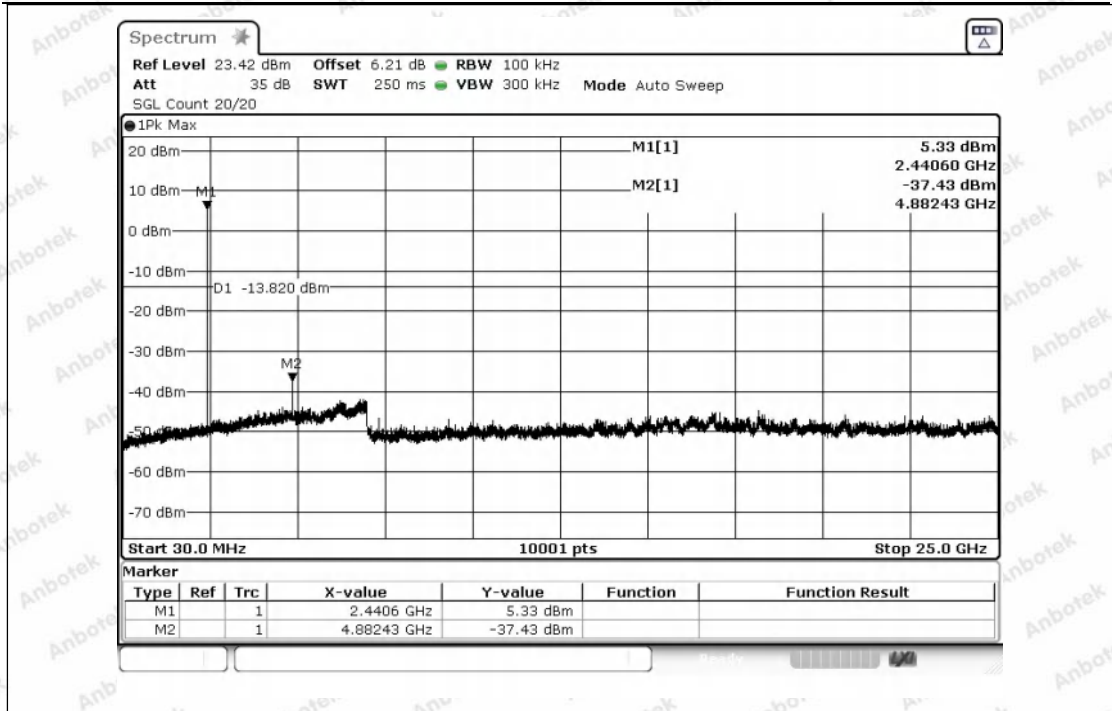
### 2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2441

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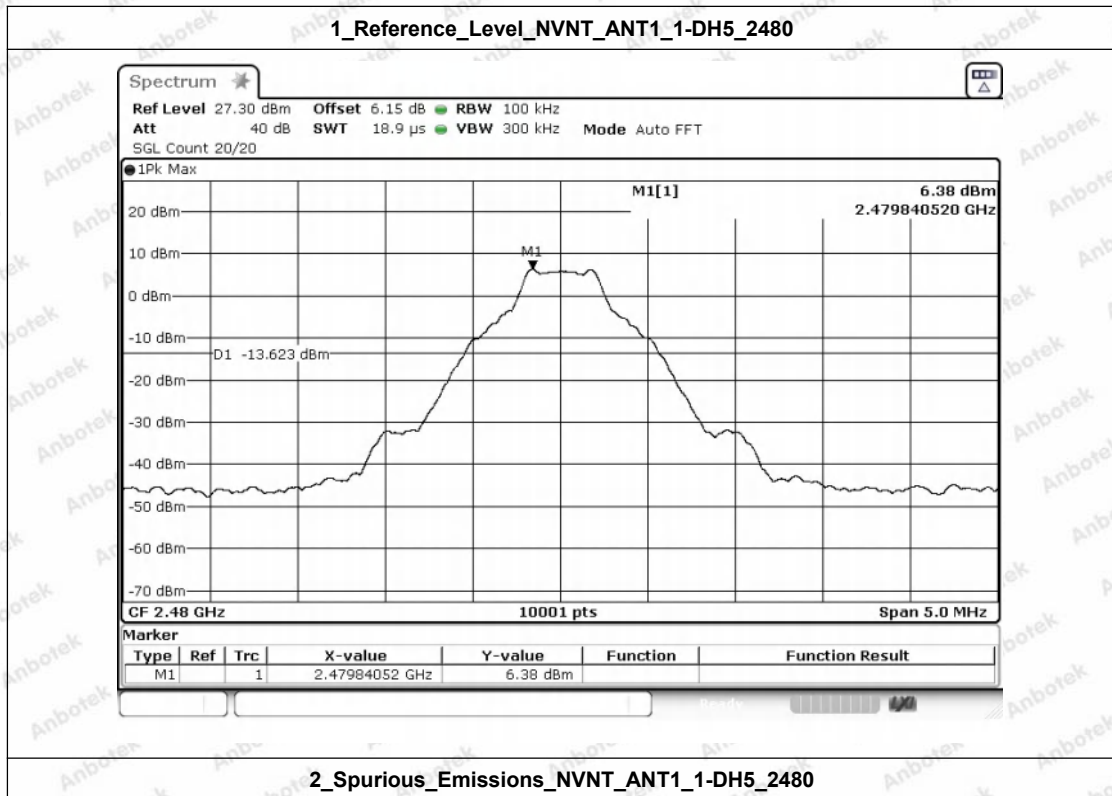
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### 1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480



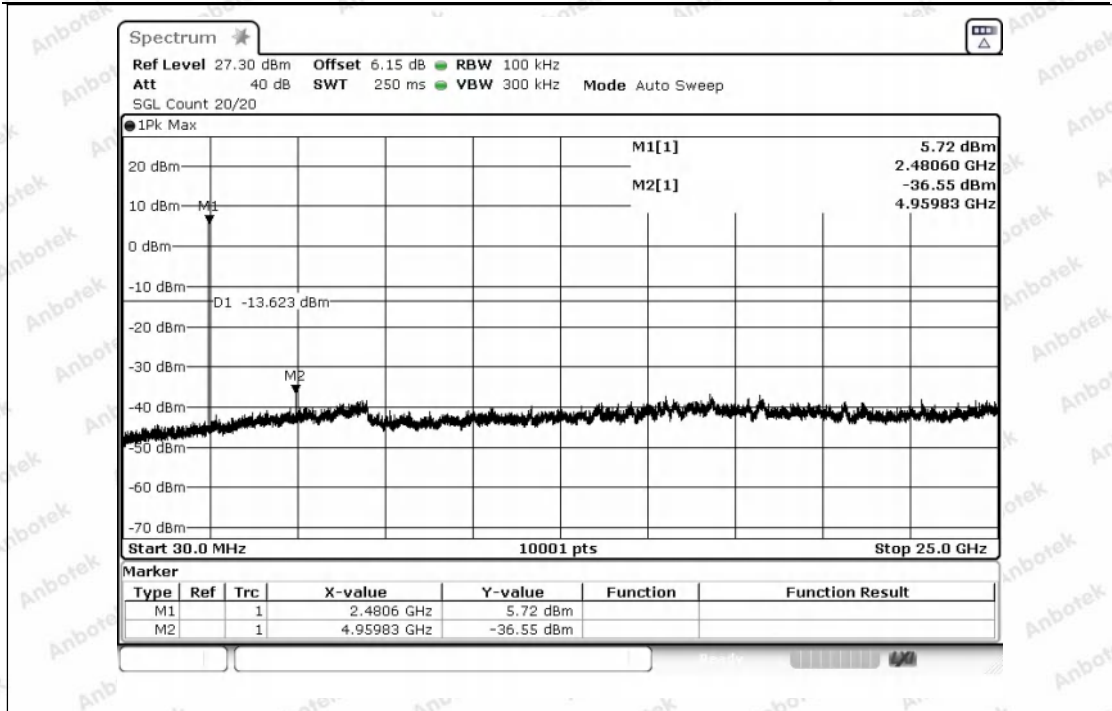
### 2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2480

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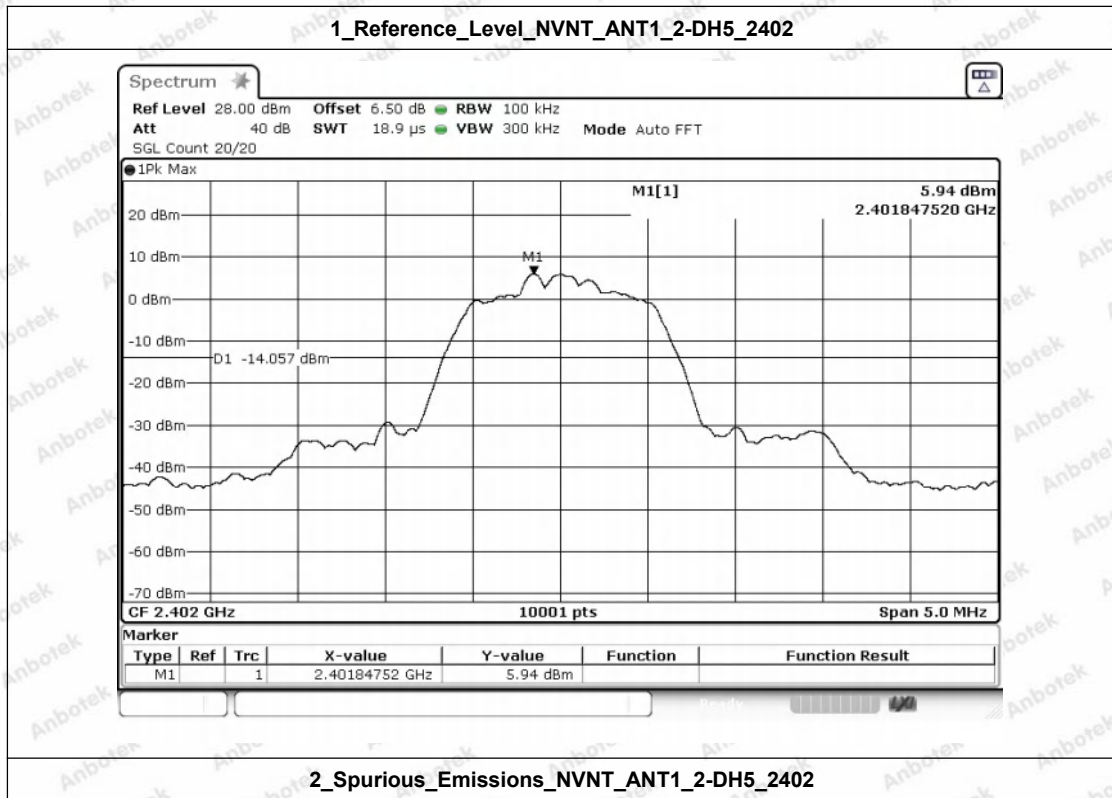
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### 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2402



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

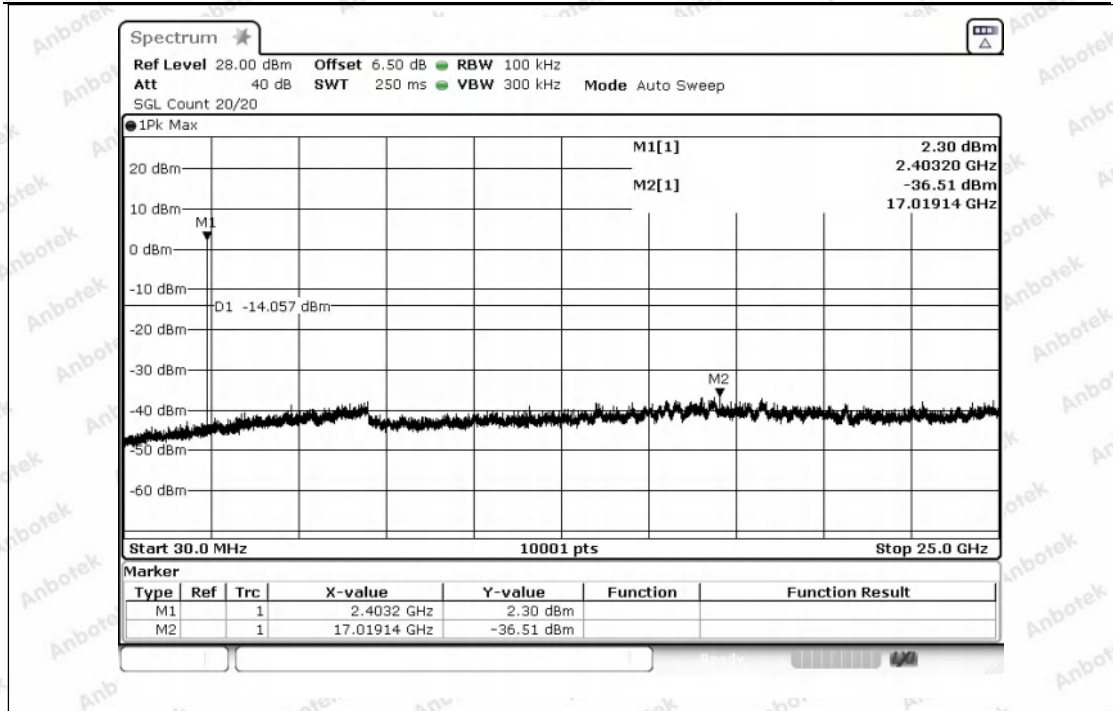
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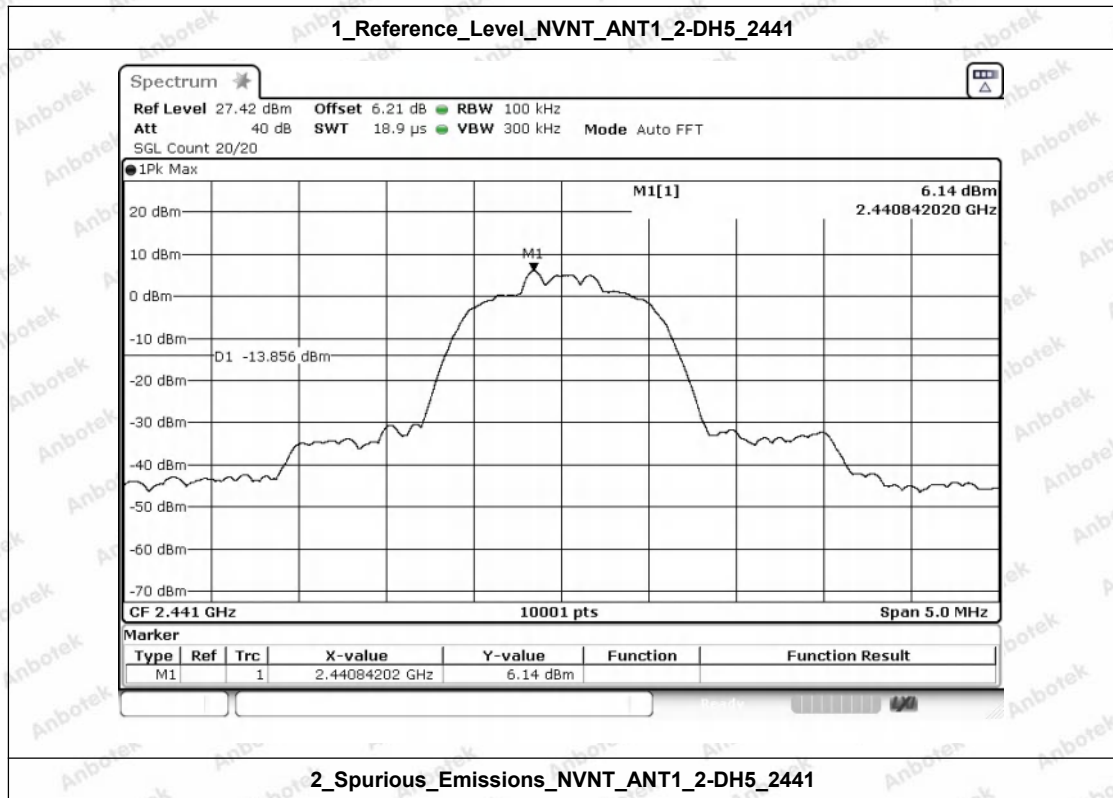
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### 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2441



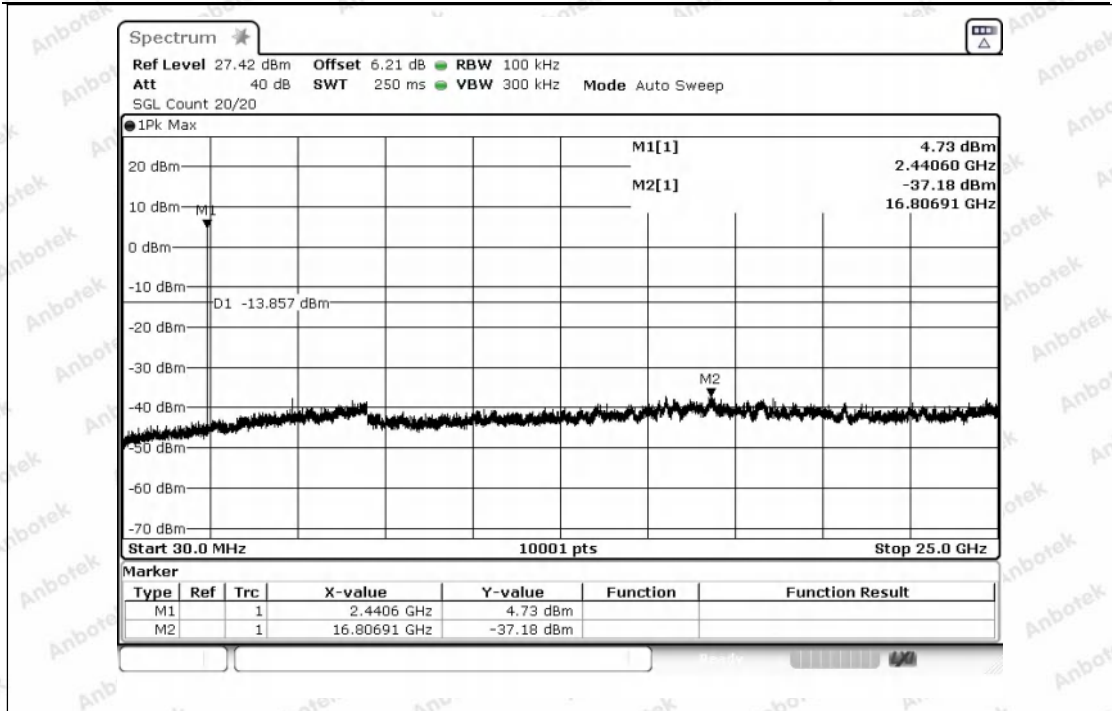
### 2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2441

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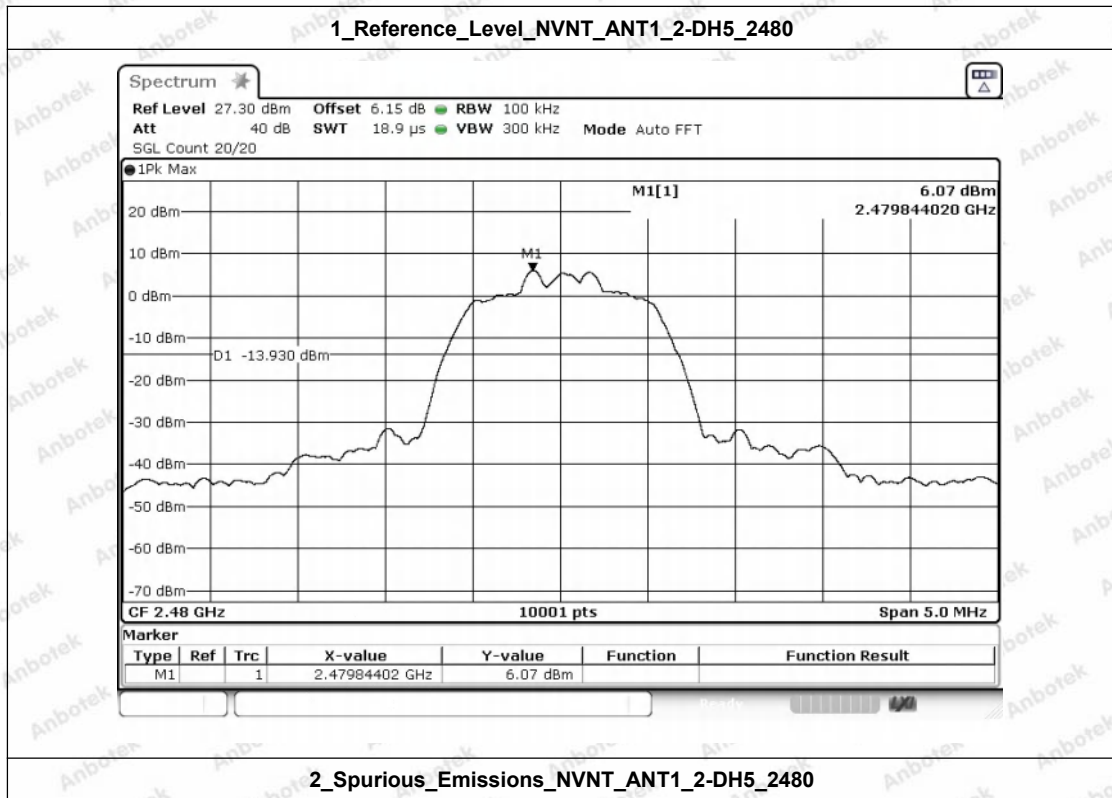
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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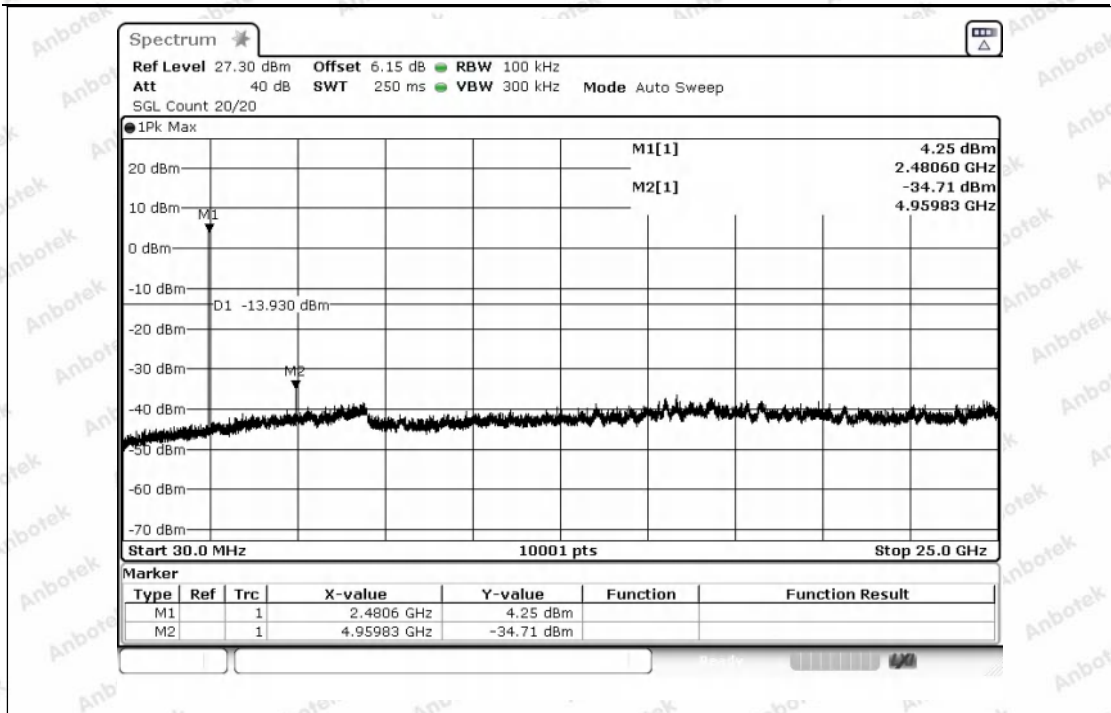


### 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2480

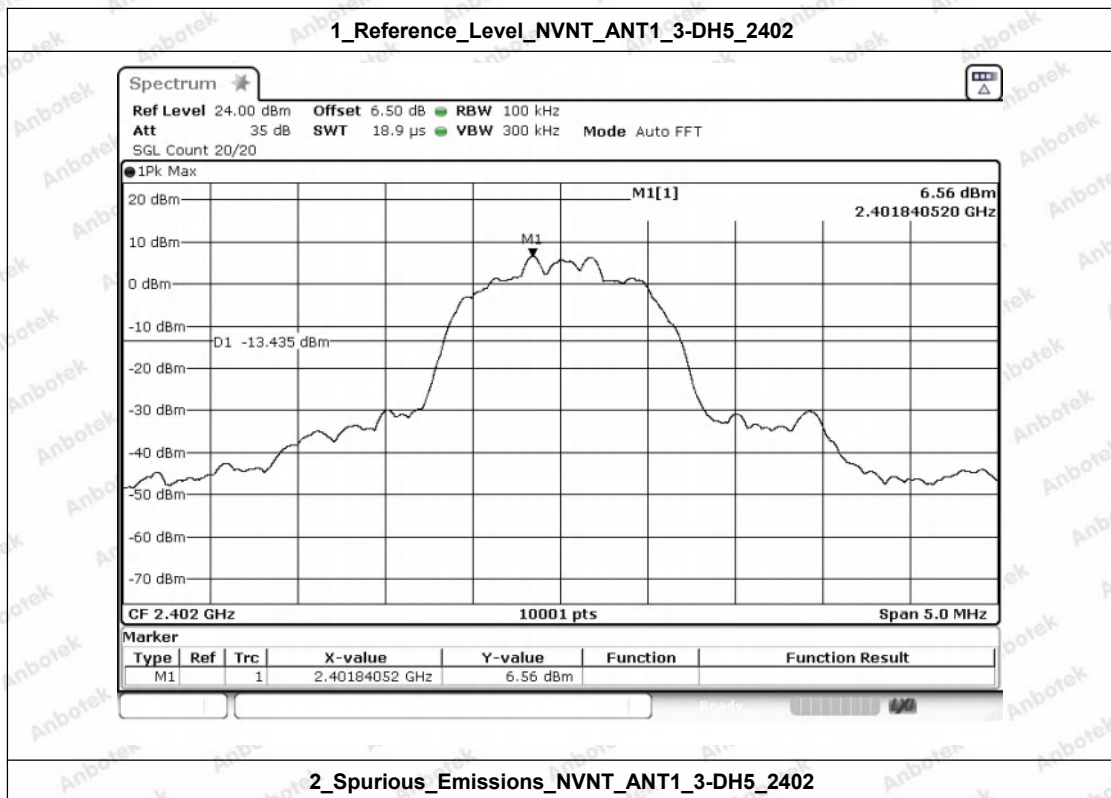


### 2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2480





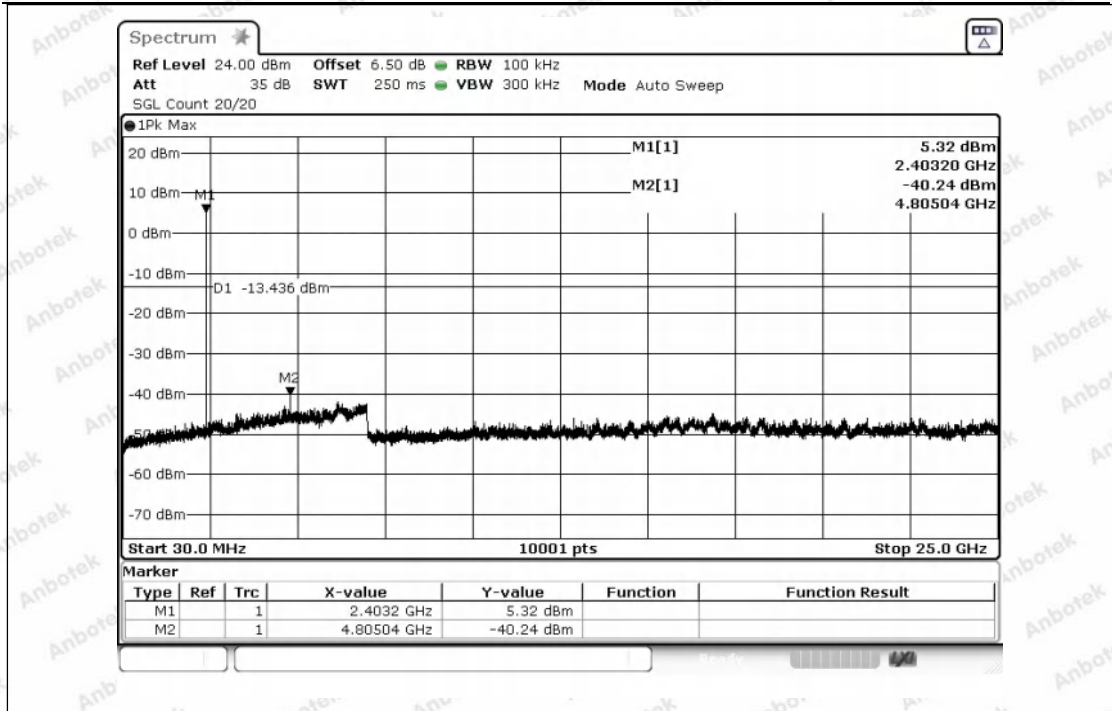
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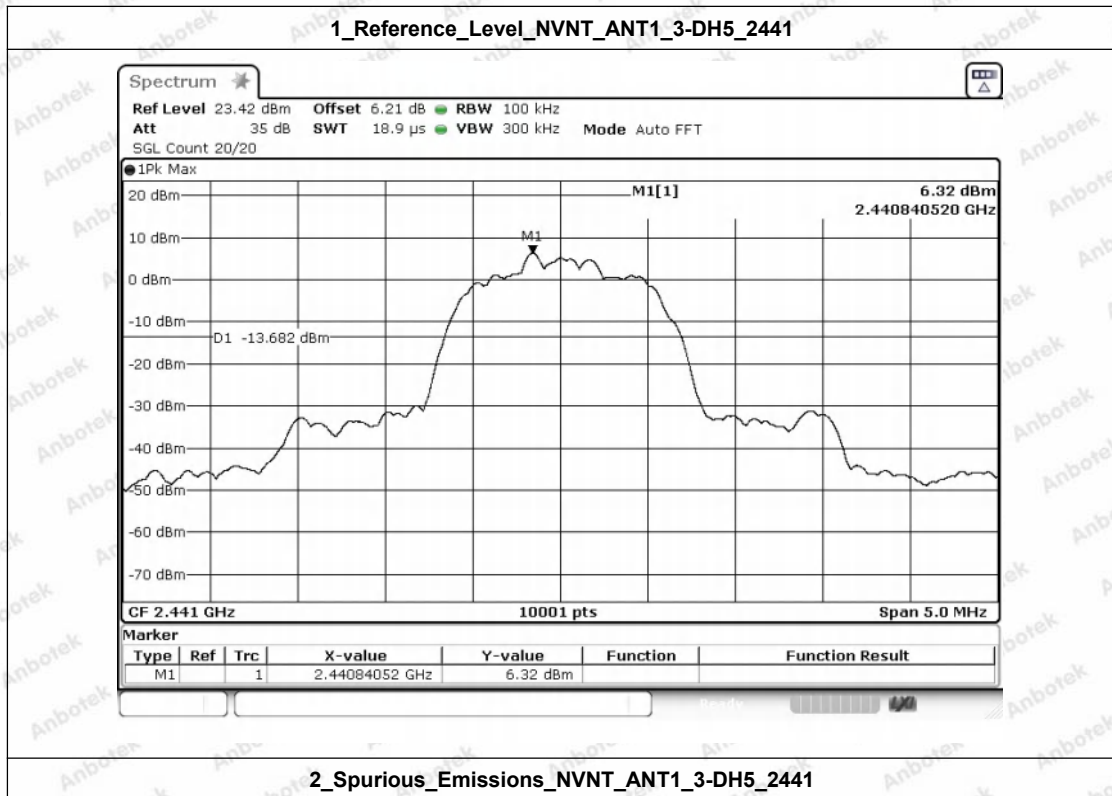
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### 1\_Reference\_Level\_NVNT\_ANT1\_3-DH5\_2441



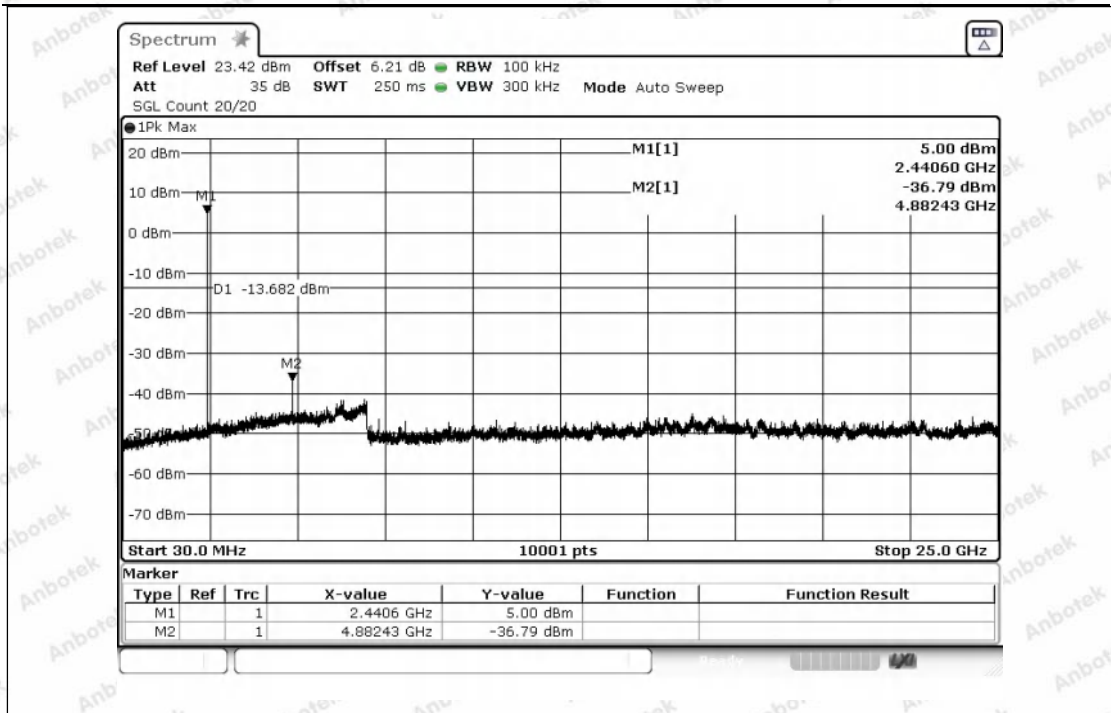
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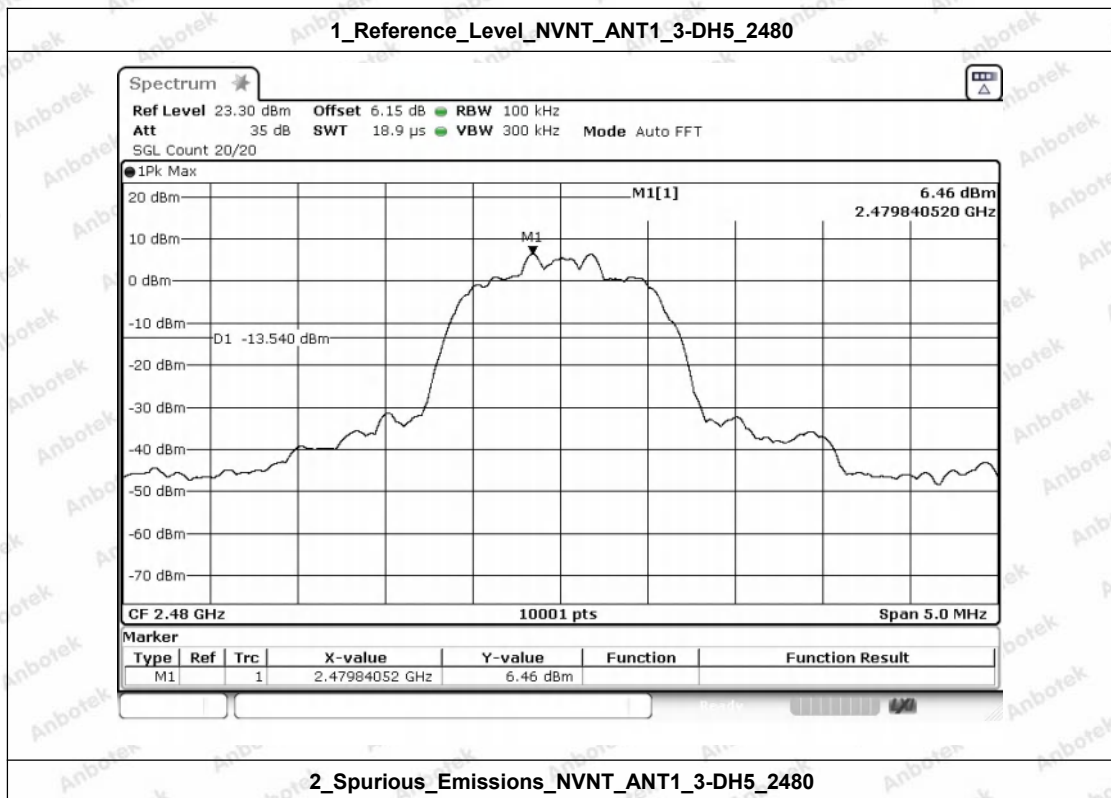
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### 1\_Reference\_Level\_NVNT\_ANT1\_3-DH5\_2480



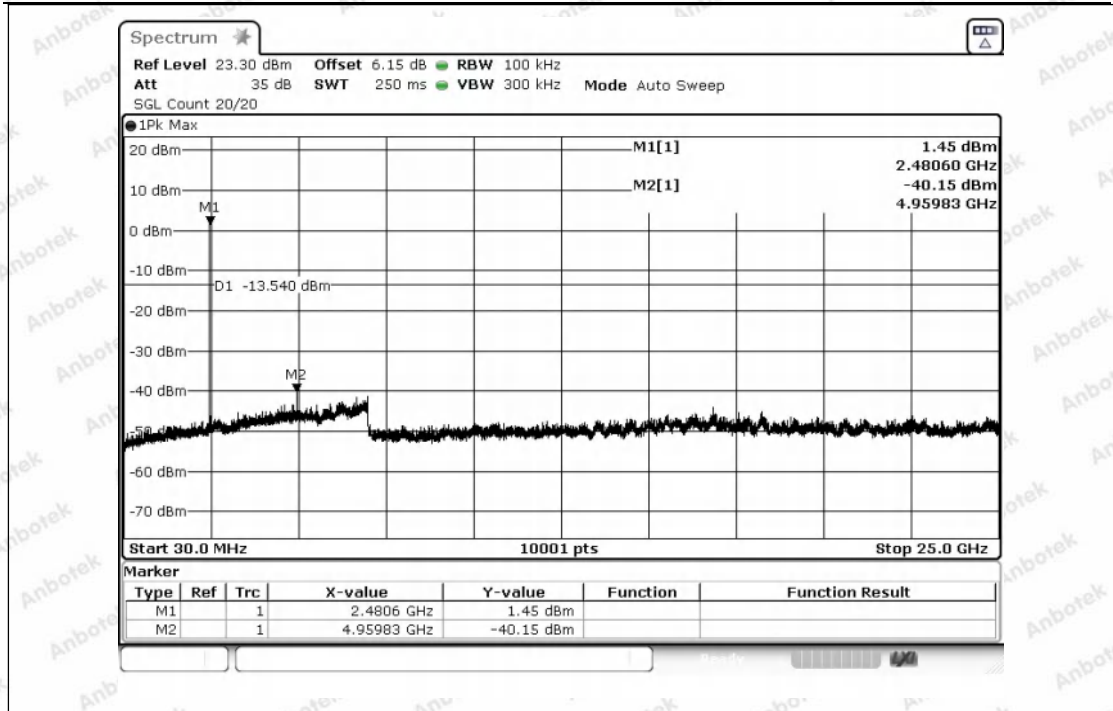
### 2\_Spurious\_Emissions\_NVNT\_ANT1\_3-DH5\_2480

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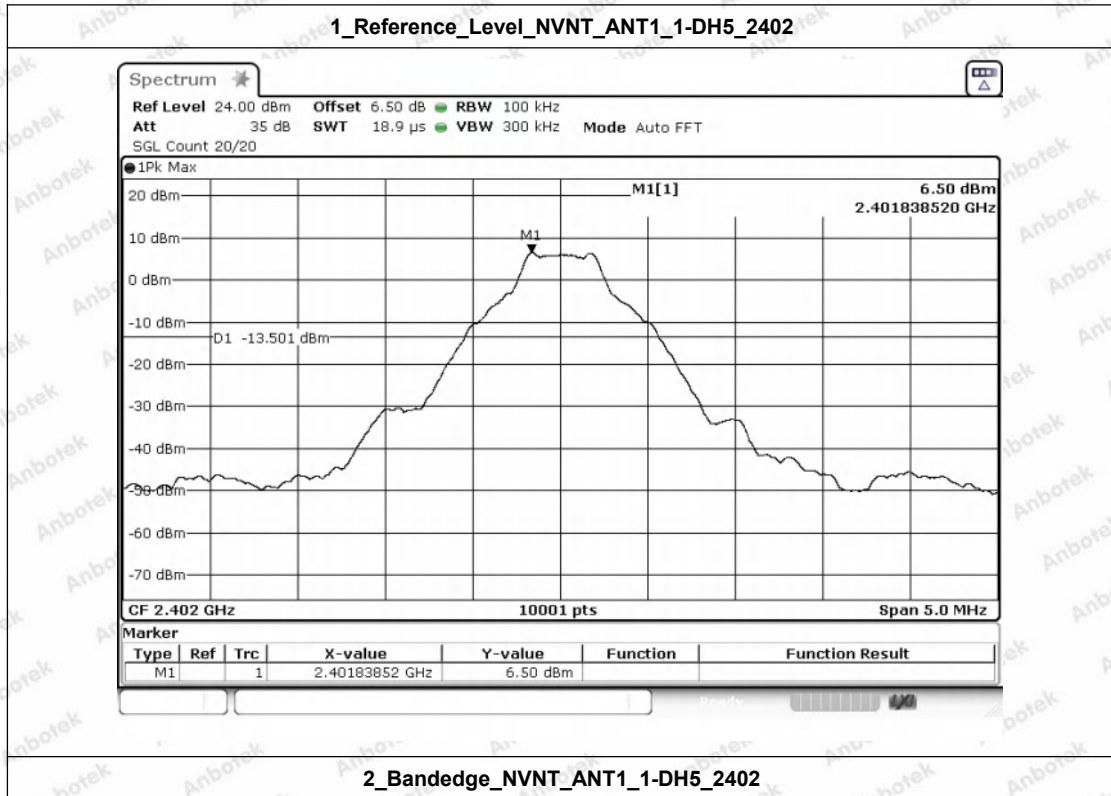
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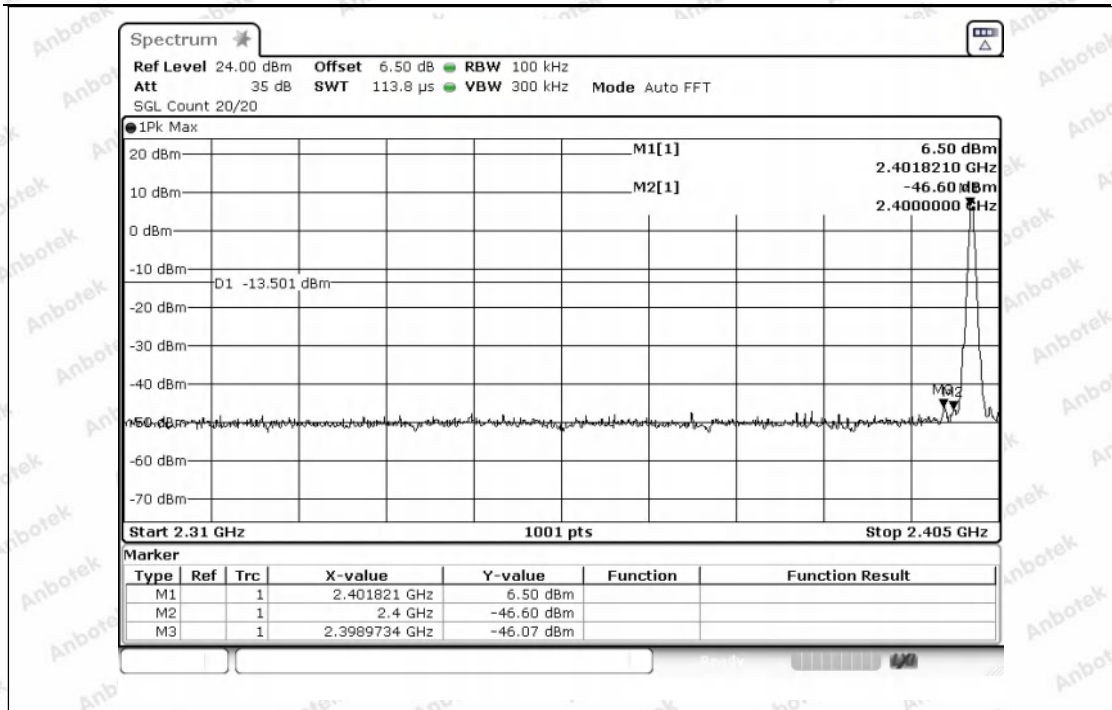
## Appendix E: Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-46.072	-13.501	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-47.676	-13.257	Pass
NVNT	ANT1	1-DH5	2480.00	-43.672	-13.623	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-43.838	-13.460	Pass
NVNT	ANT1	2-DH5	2402.00	-43.696	-14.057	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-43.198	-13.833	Pass
NVNT	ANT1	2-DH5	2480.00	-42.961	-13.930	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-53.651	-13.770	Pass
NVNT	ANT1	3-DH5	2402.00	-44.751	-13.436	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-43.722	-13.023	Pass
NVNT	ANT1	3-DH5	2480.00	-47.526	-13.540	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-47.329	-13.587	Pass

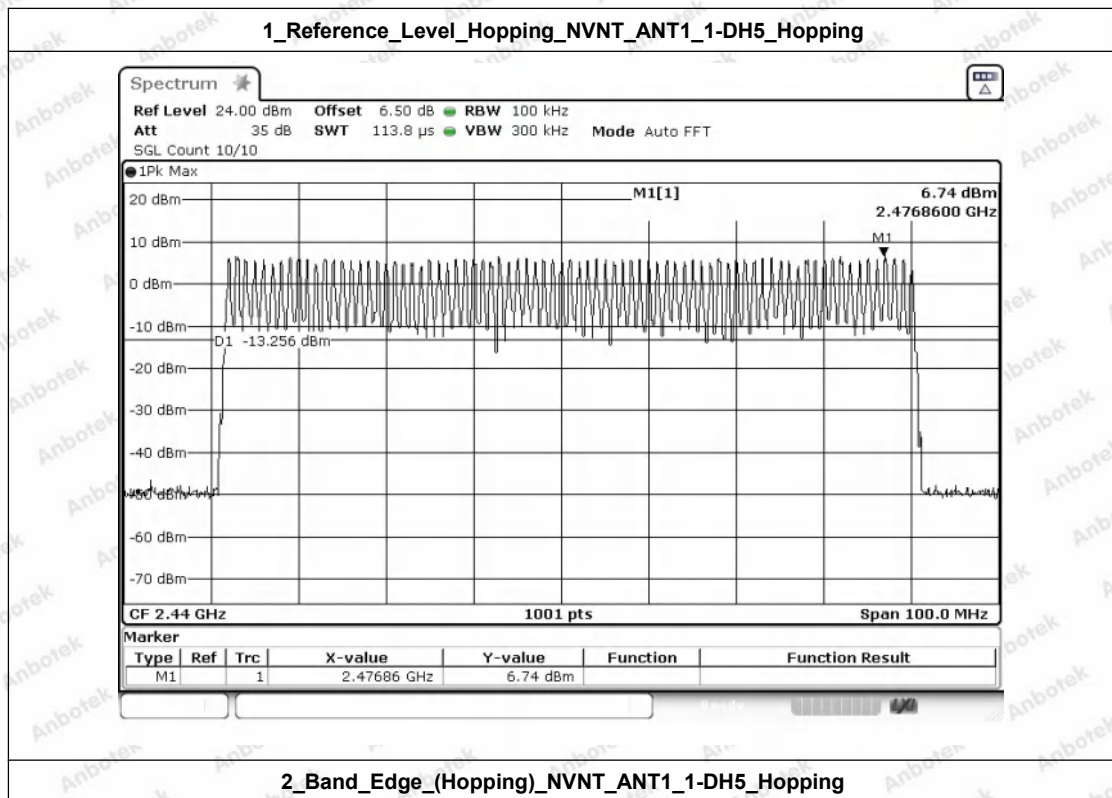


**2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2402**



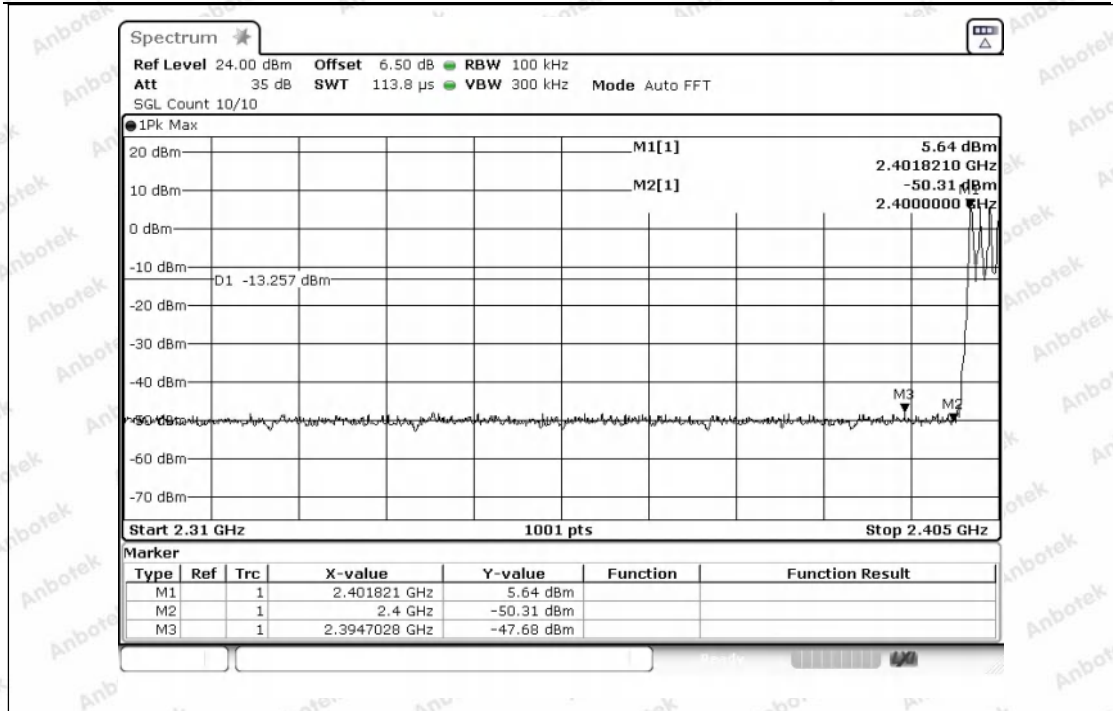


### 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping

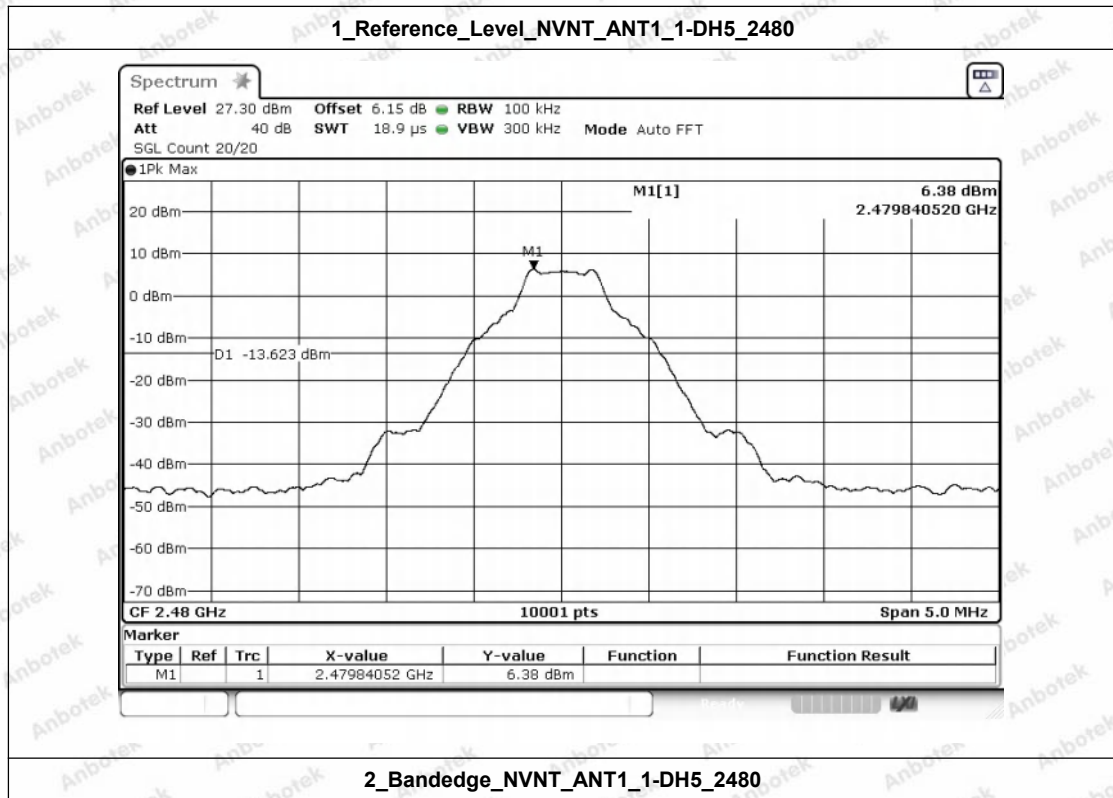


### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping





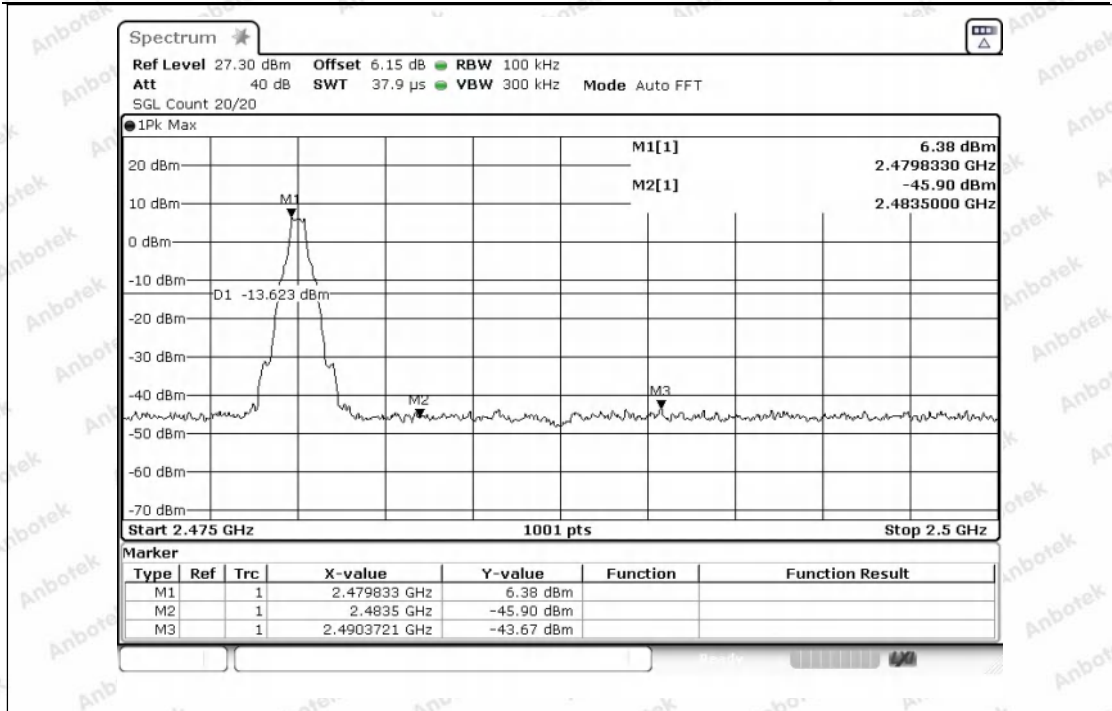
1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480



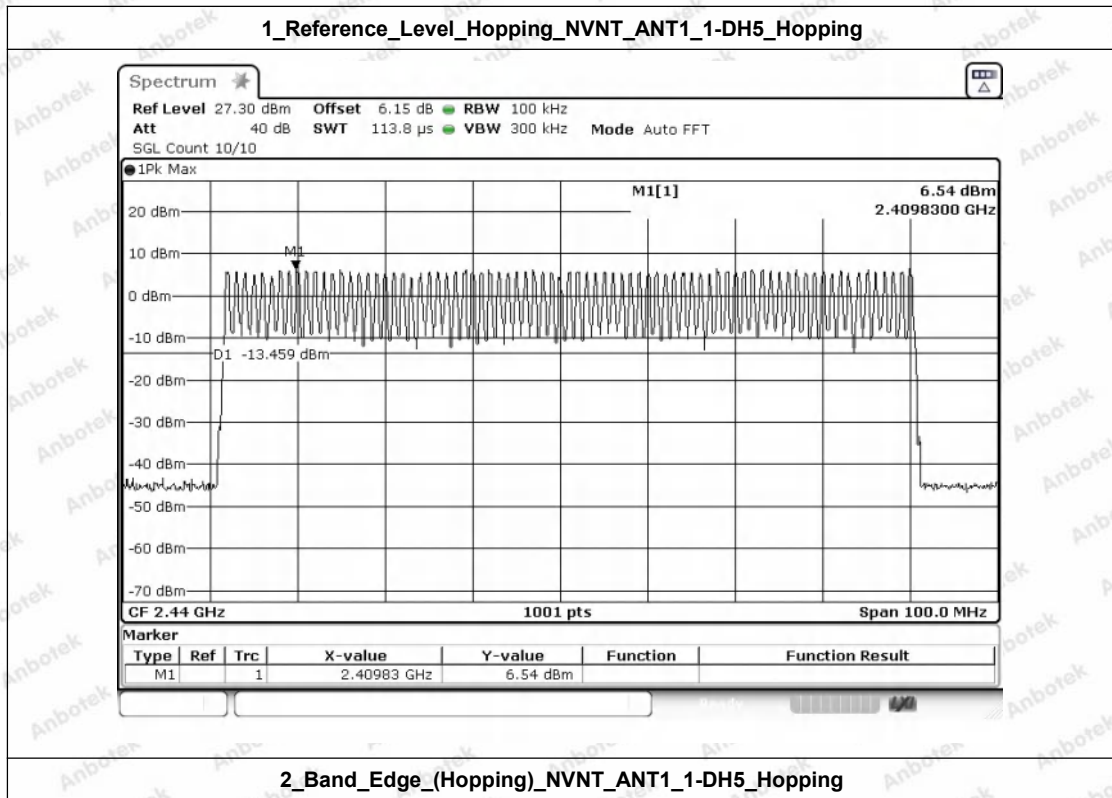
2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2480





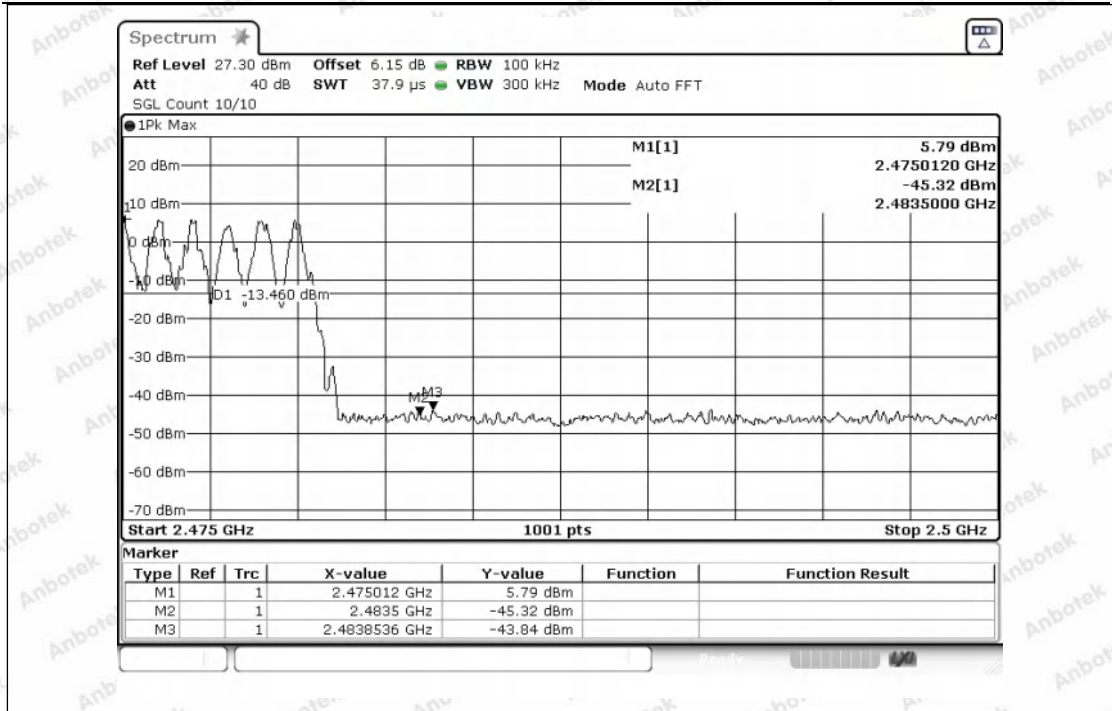


### 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping

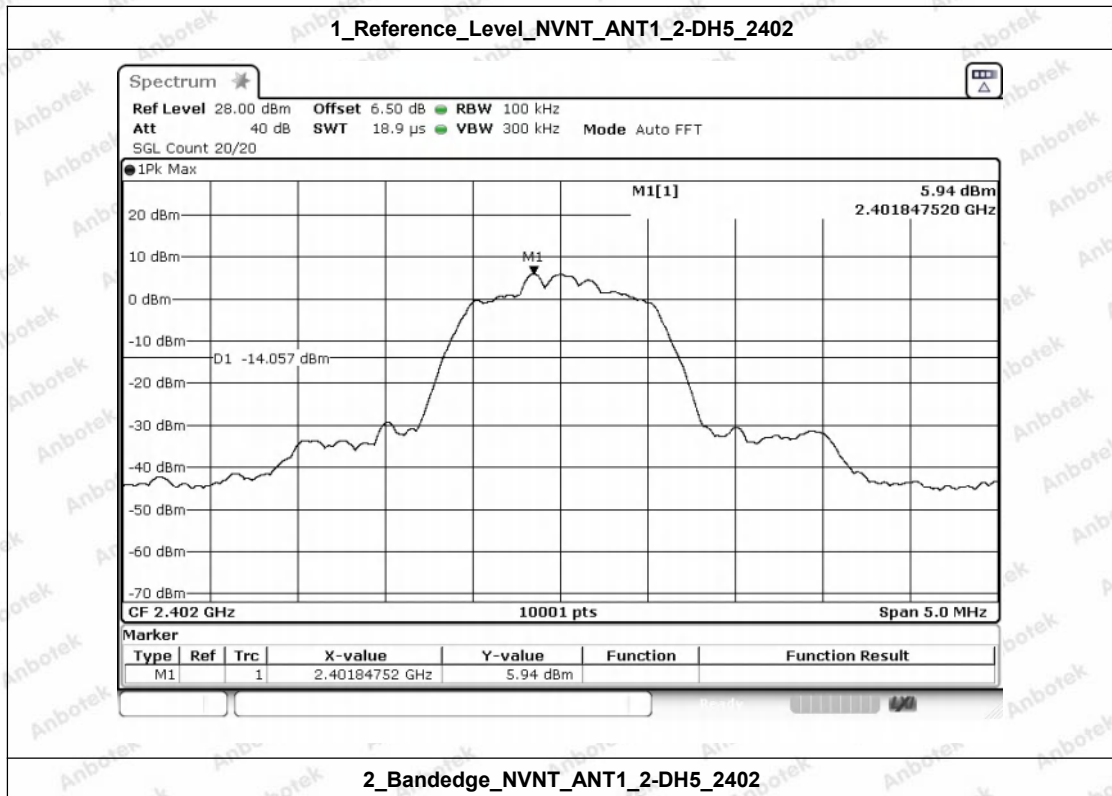


### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping



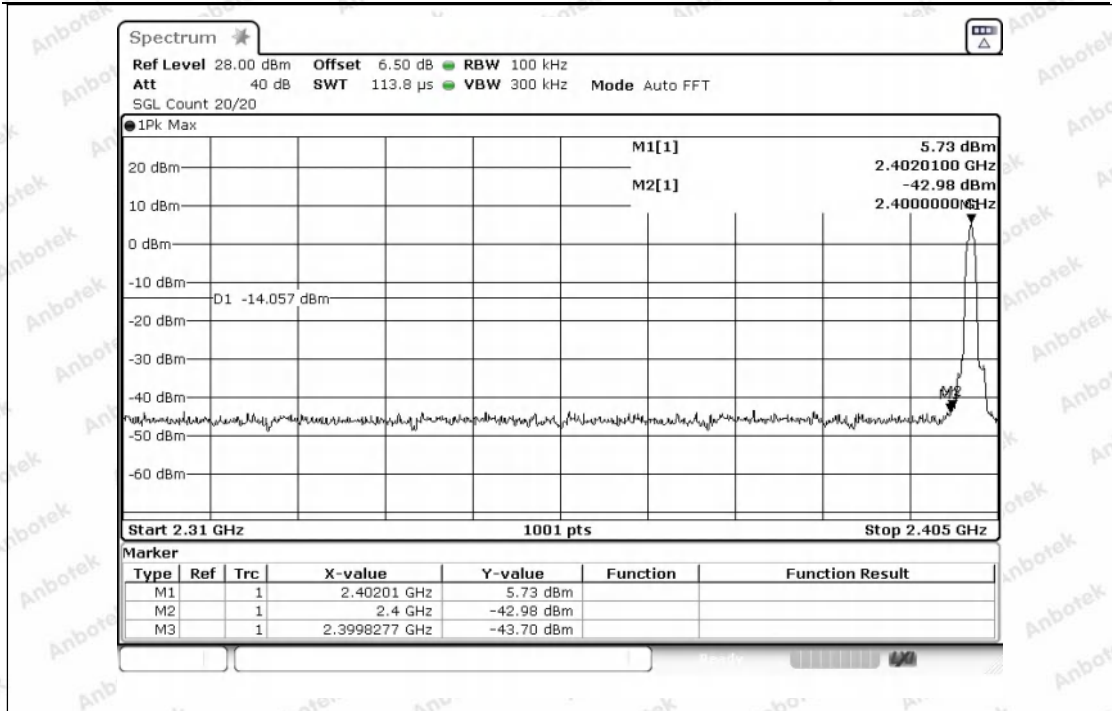


1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2402

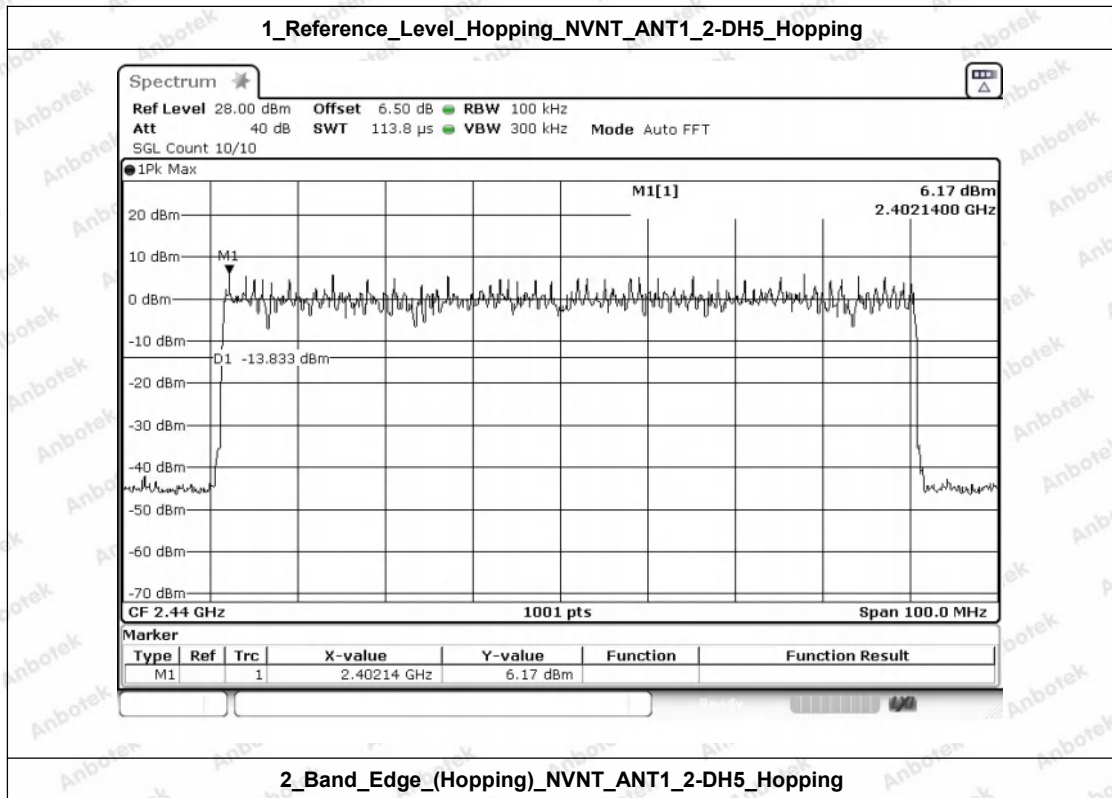


2\_Bandedge\_NVNT\_ANT1\_2-DH5\_2402





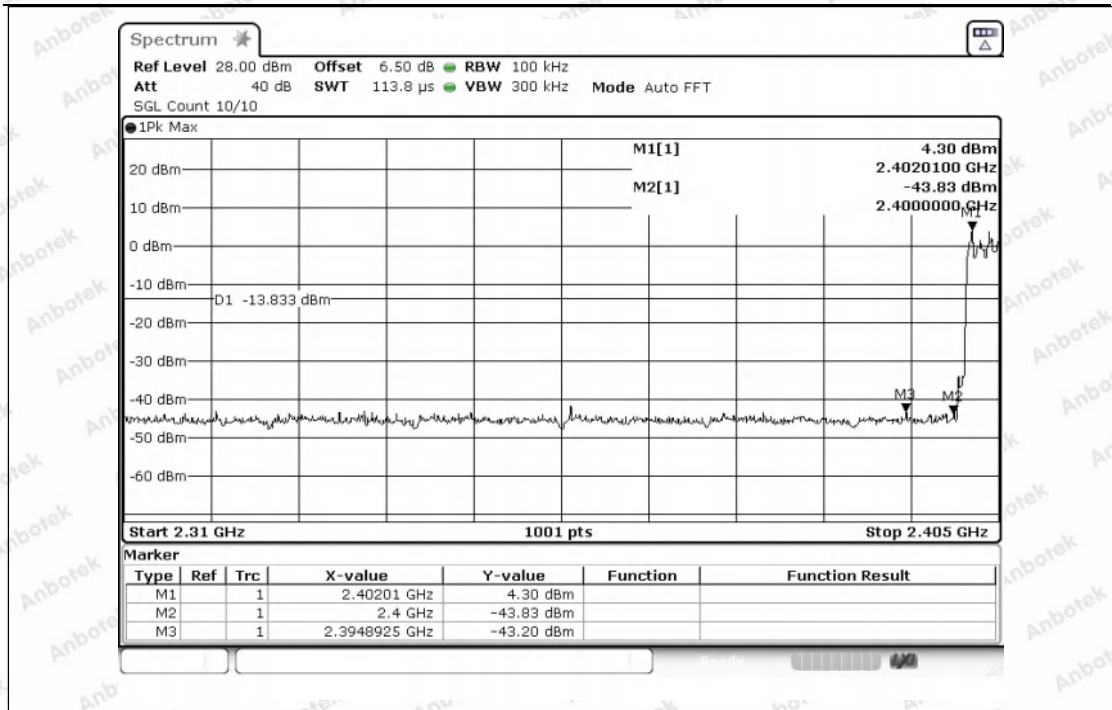
### 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH5\_Hopping



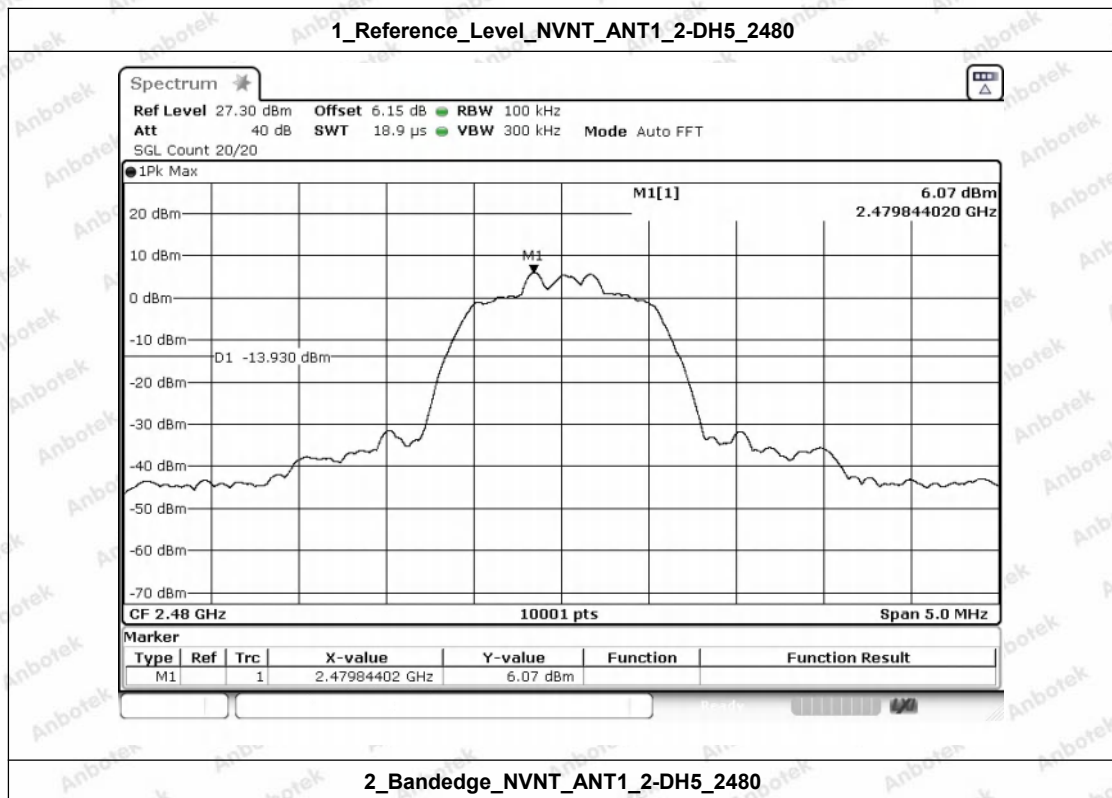
### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping





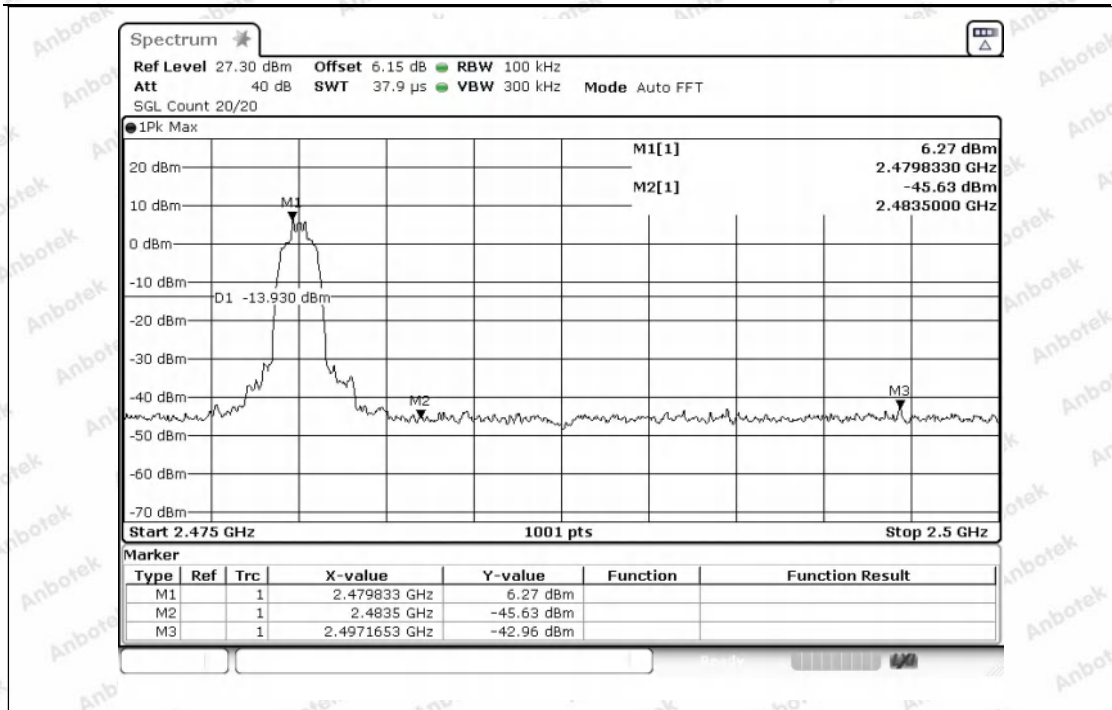


### 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2480

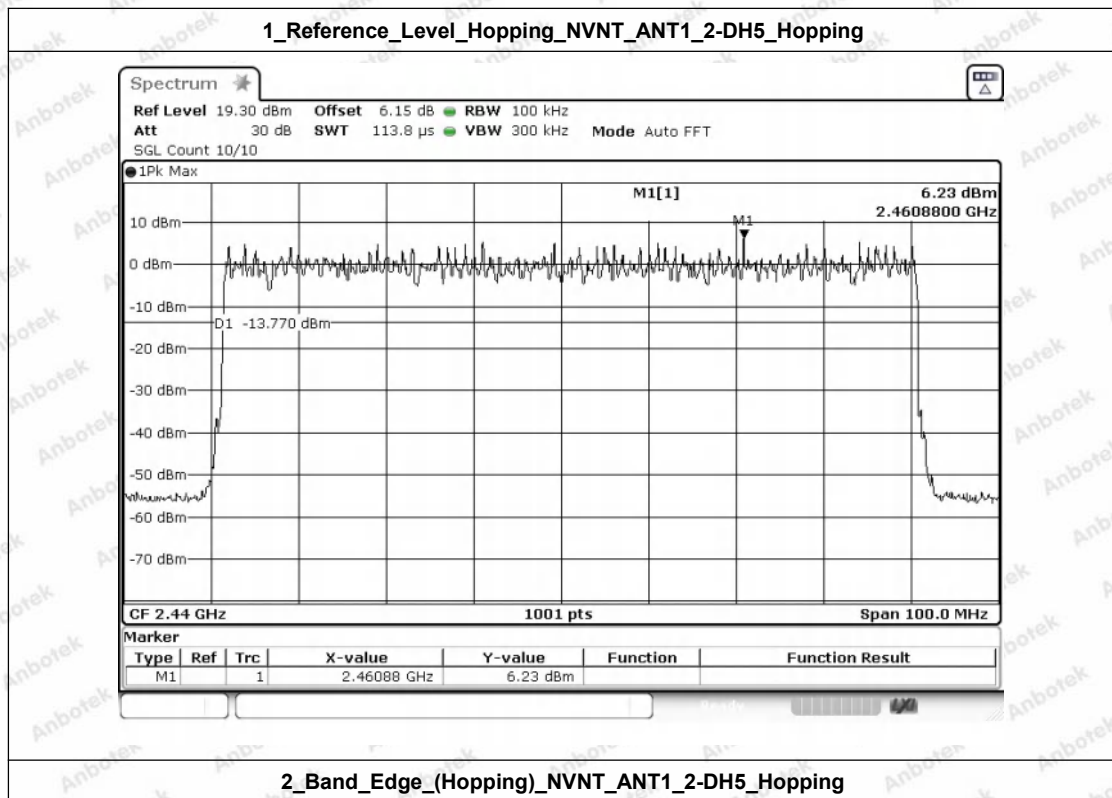


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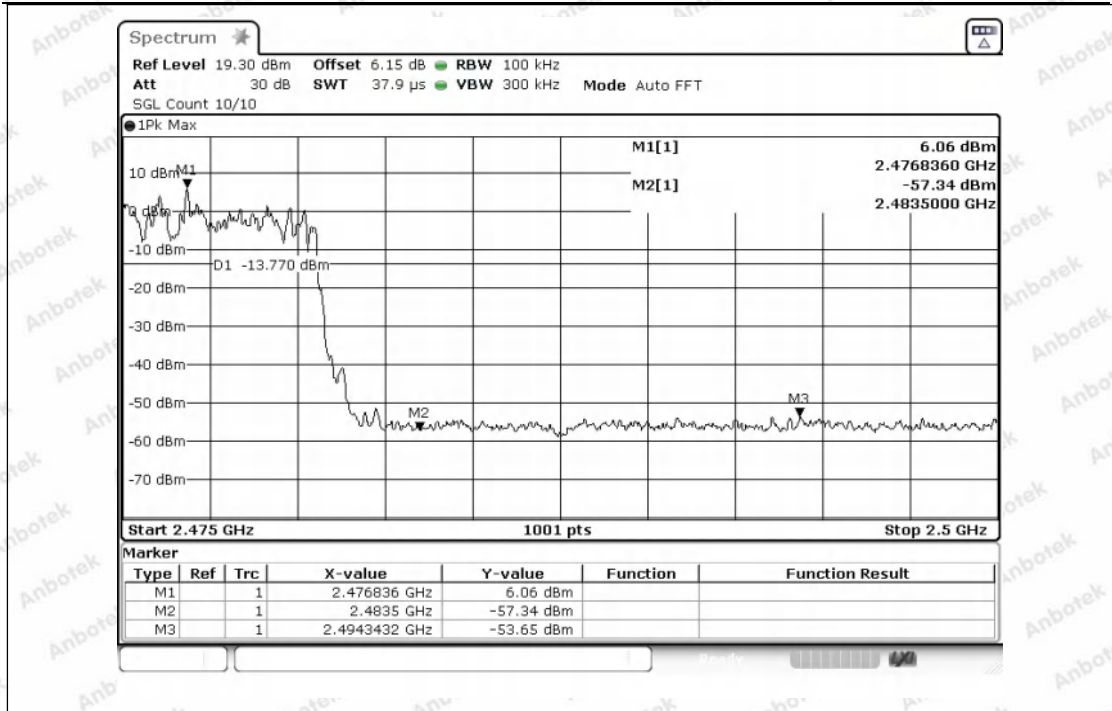


### 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH5\_Hopping

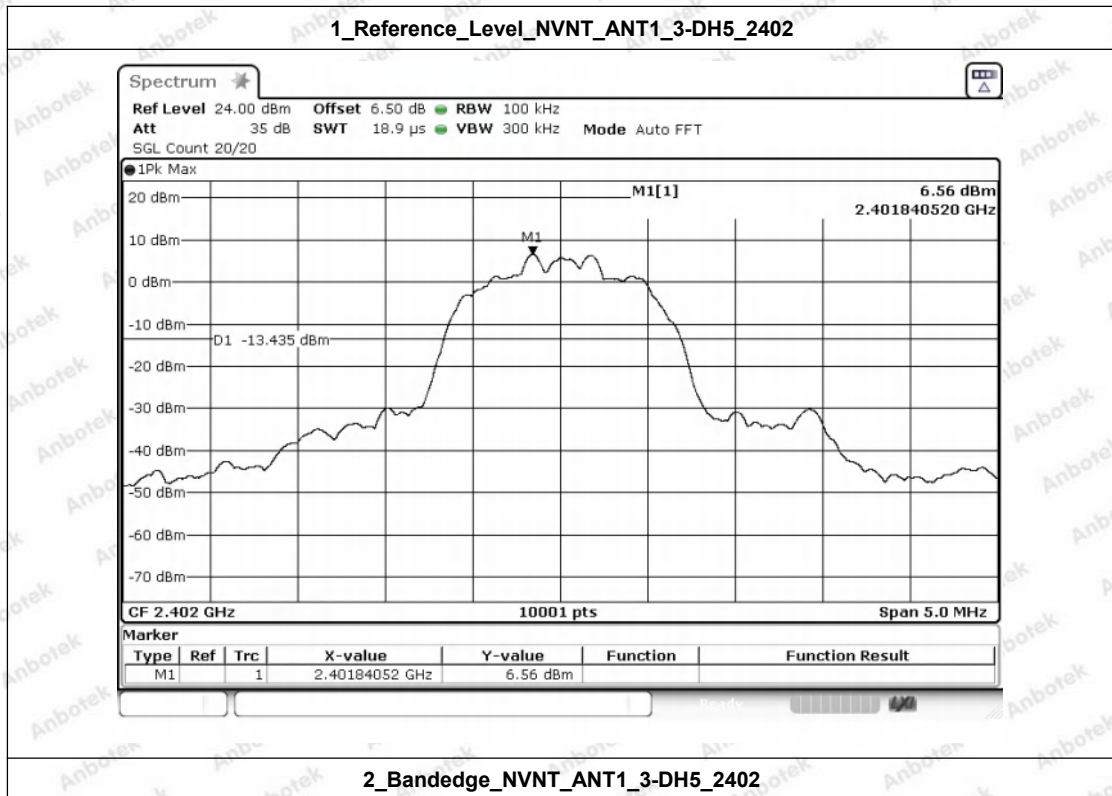


### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping





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



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

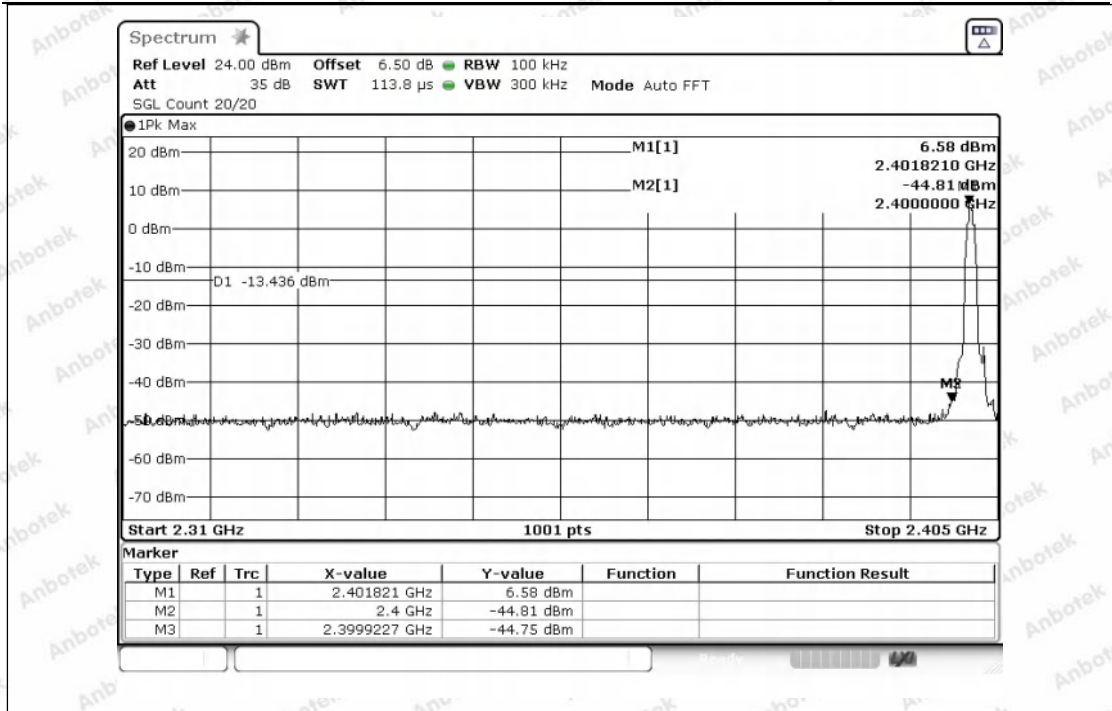
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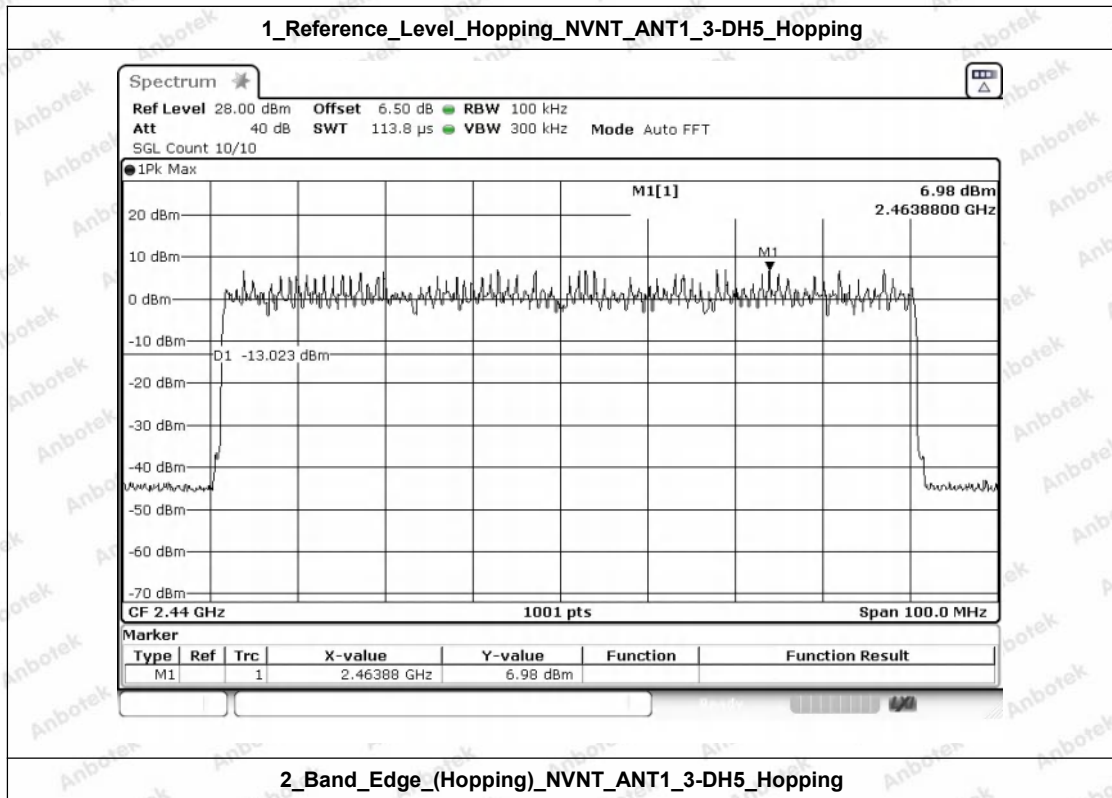
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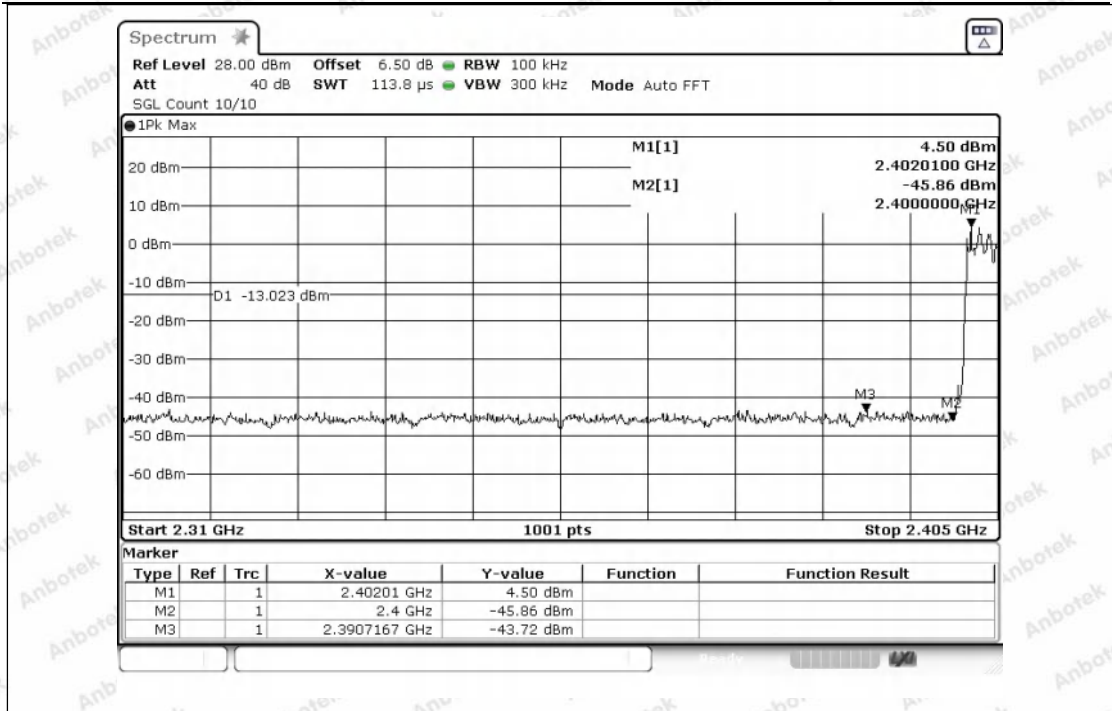


### 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_3-DH5\_Hopping

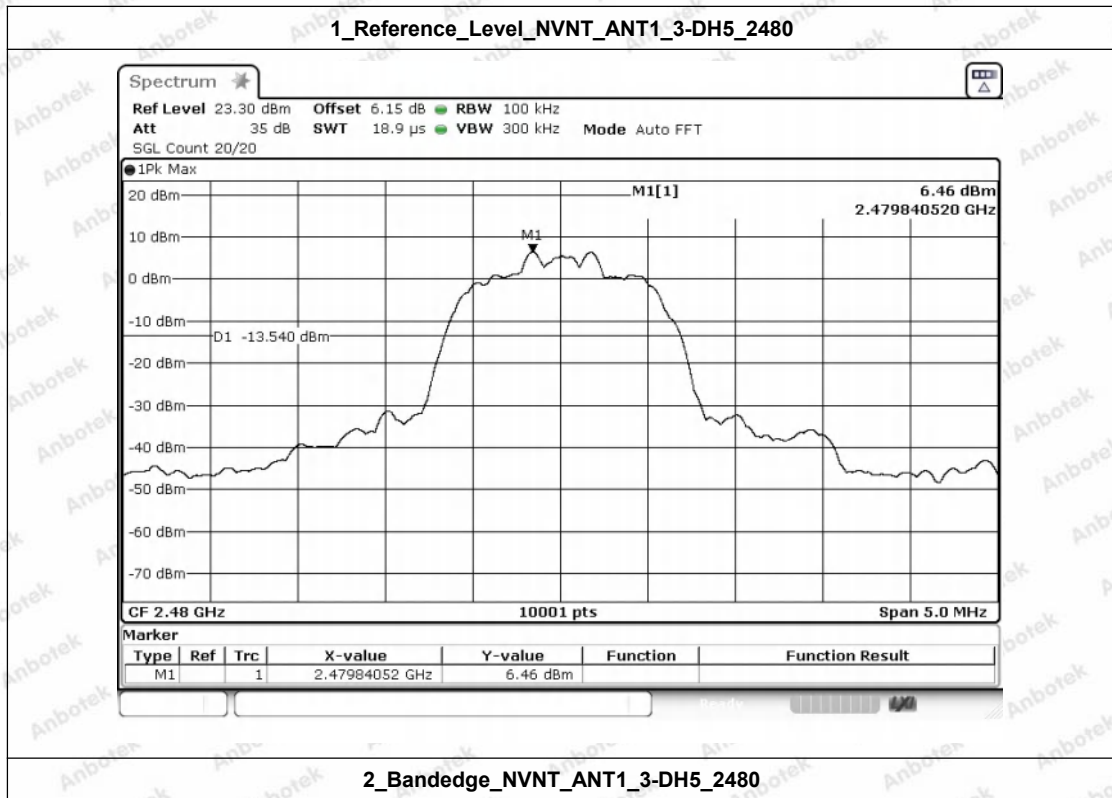


### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_3-DH5\_Hopping





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



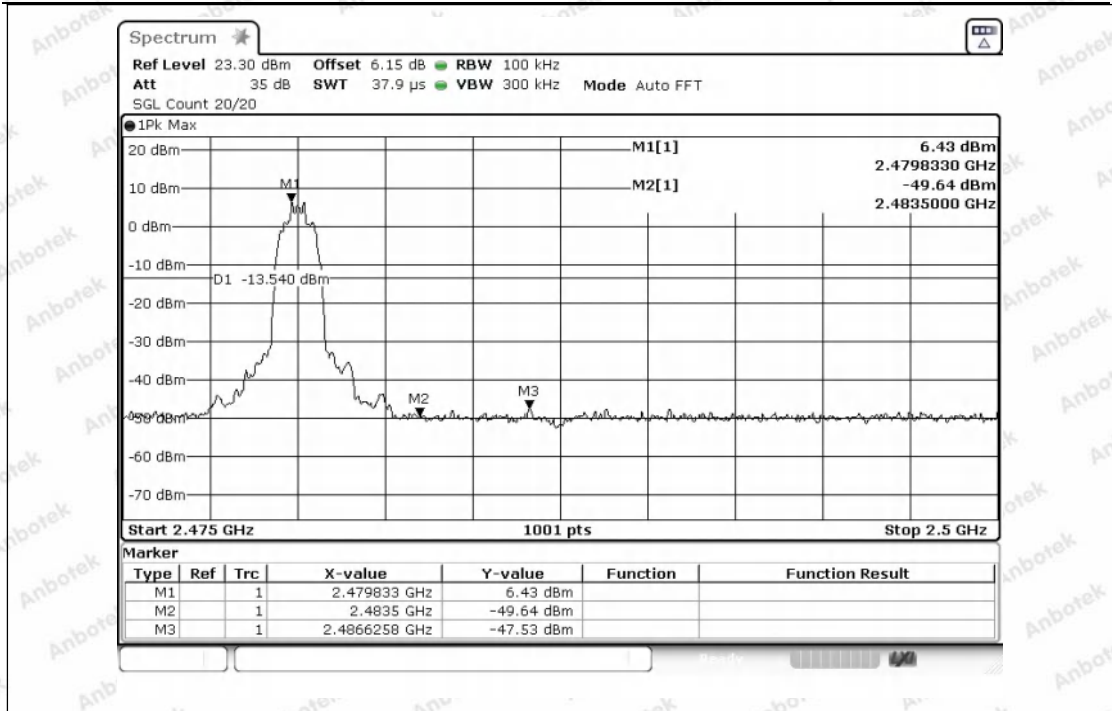
### 2\_Bandedge\_NVNT\_ANT1\_3-DH5\_2480

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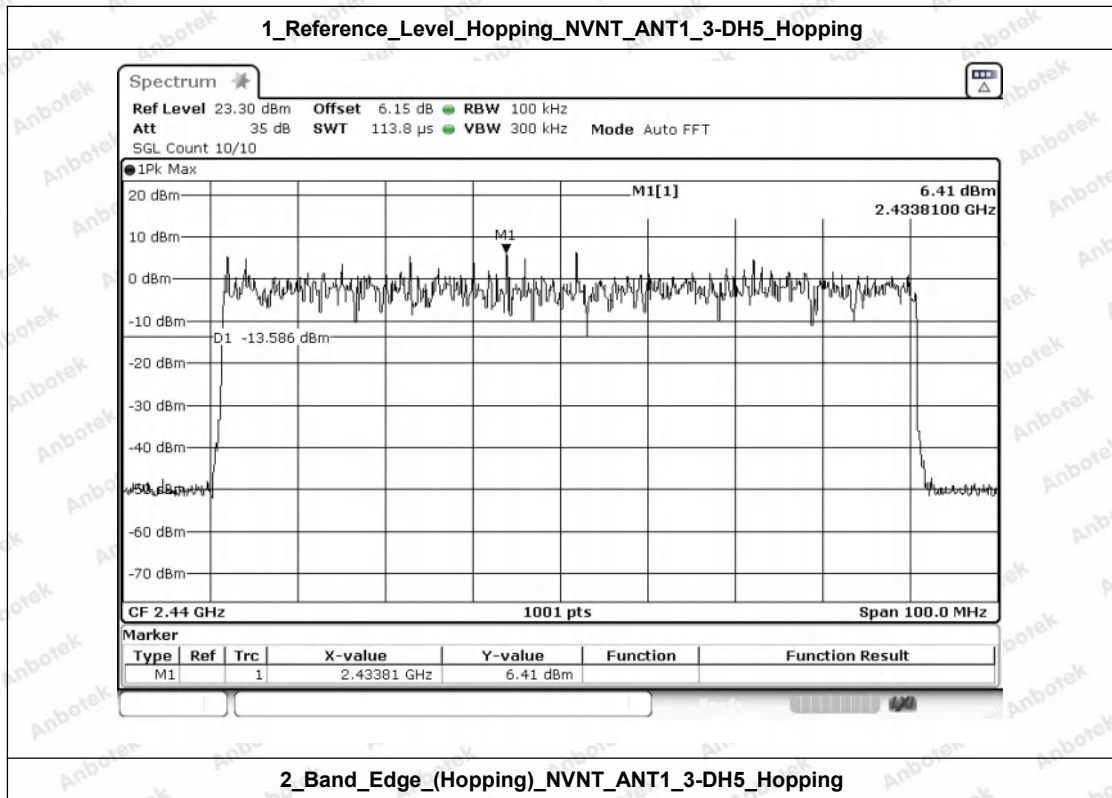
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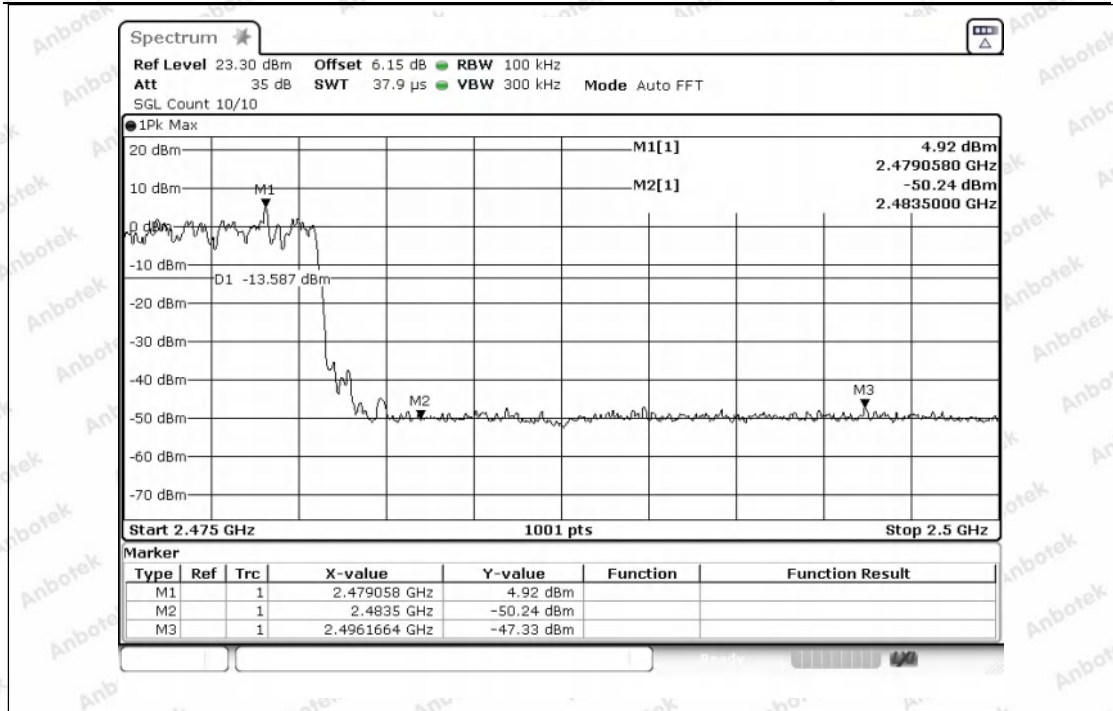
### 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_3-DH5\_Hopping



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







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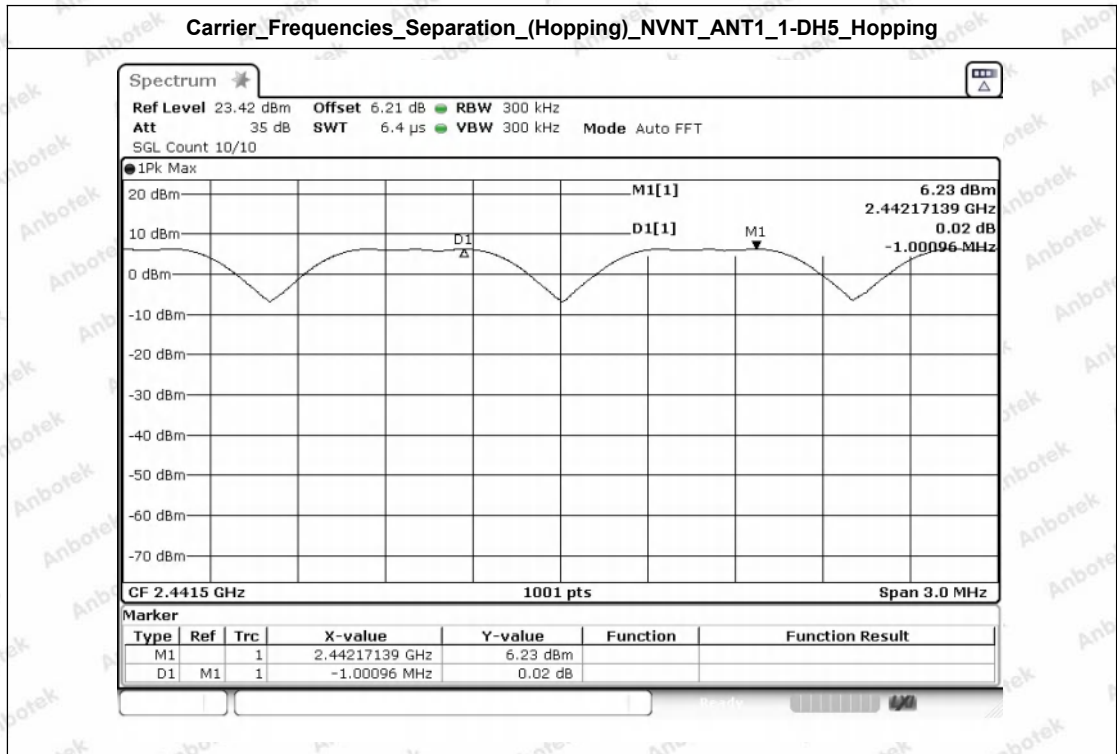


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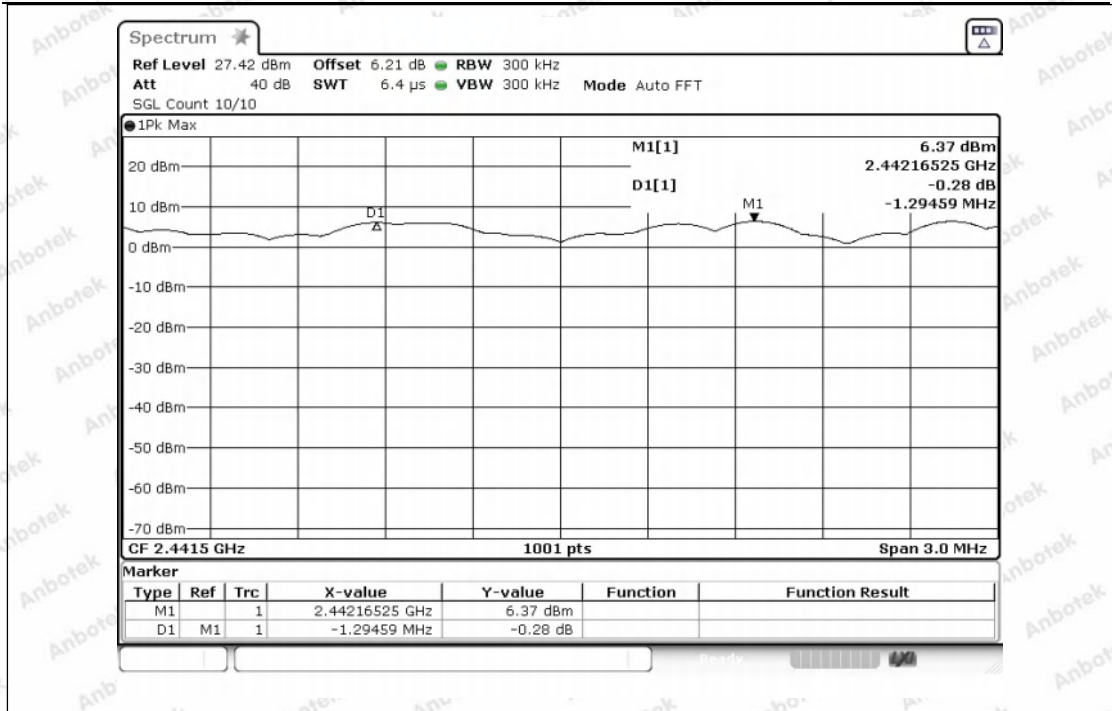
## Appendix F: Carrier Frequencies Separation (Hopping)

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	2441.170	2442.171	1.00	0.935	Pass
NVNT	ANT1	2-DH5	2441.00	2440.871	2442.165	1.29	0.845	Pass
NVNT	ANT1	3-DH5	2441.00	2440.838	2441.845	1.01	0.823	Pass

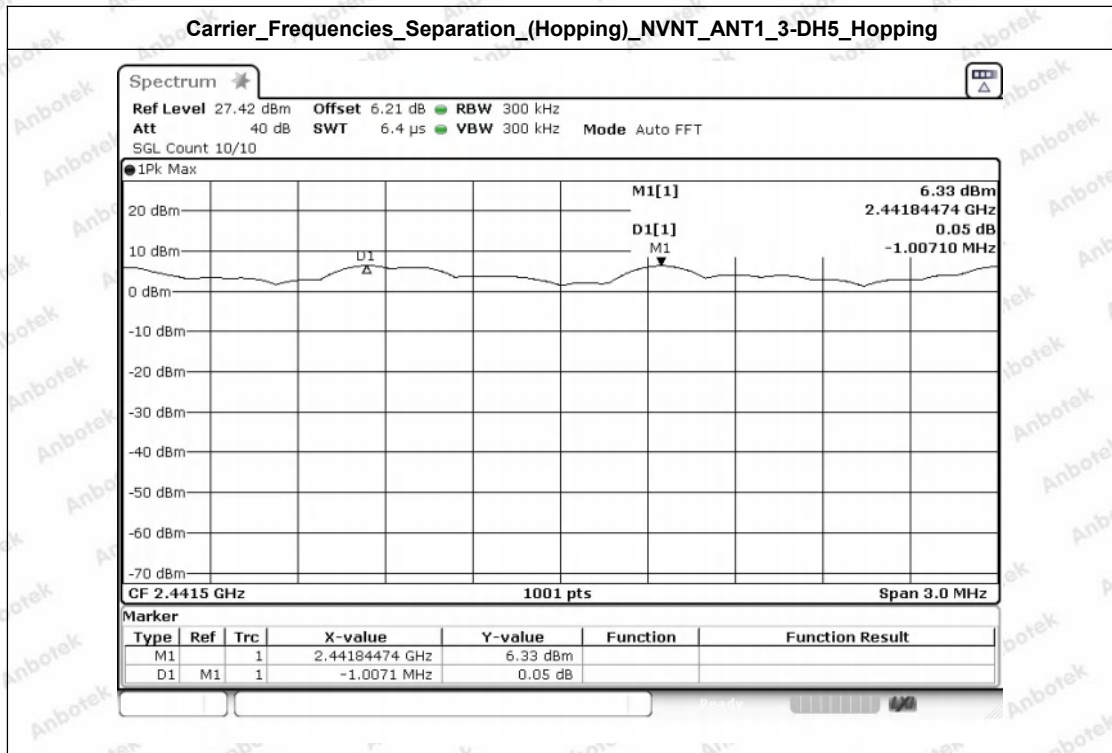


**Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping**





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



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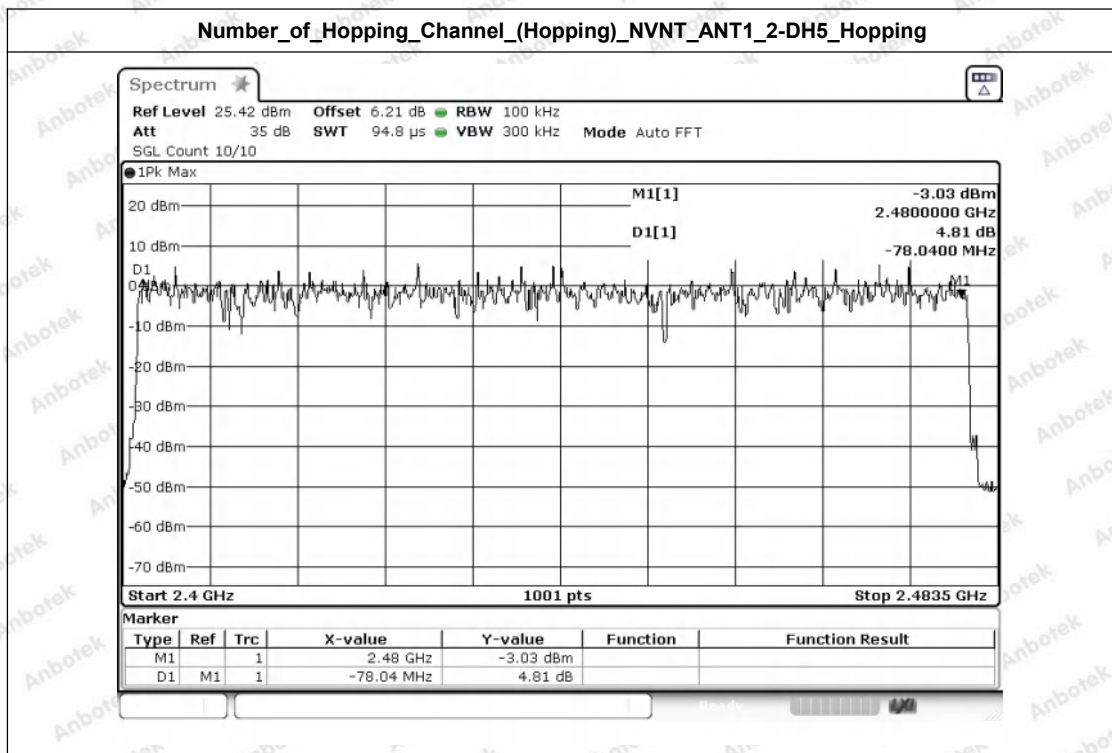
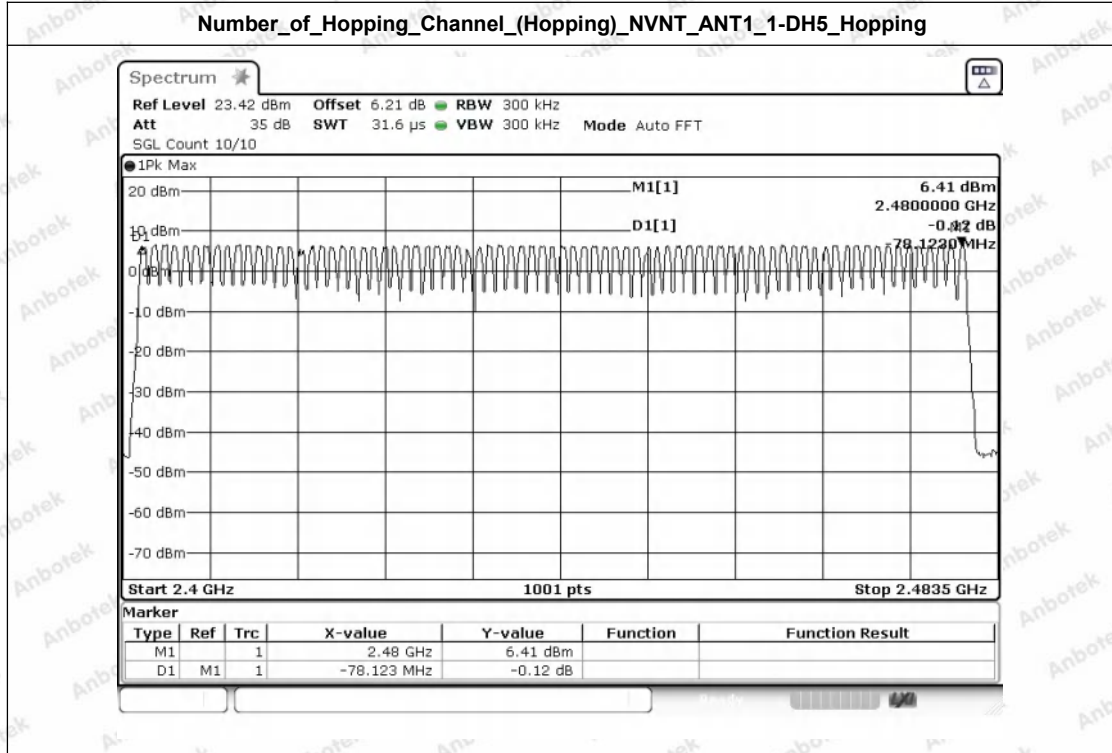
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## Appendix G: Number of Hopping Channel (Hopping)

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

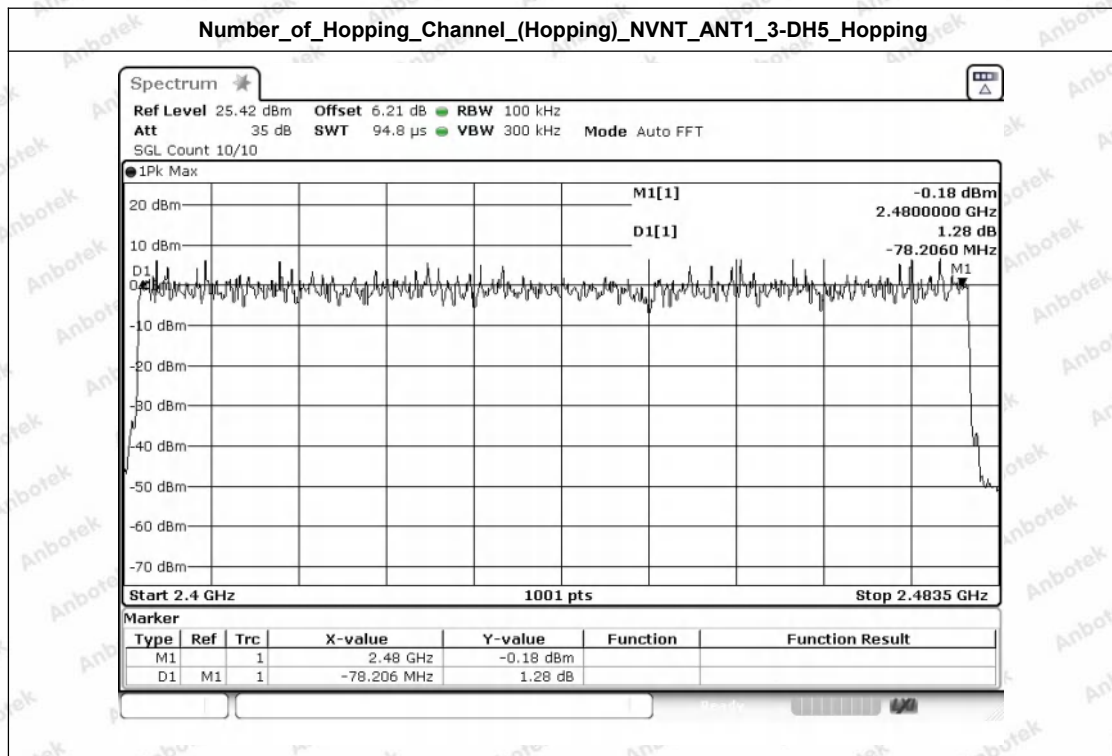


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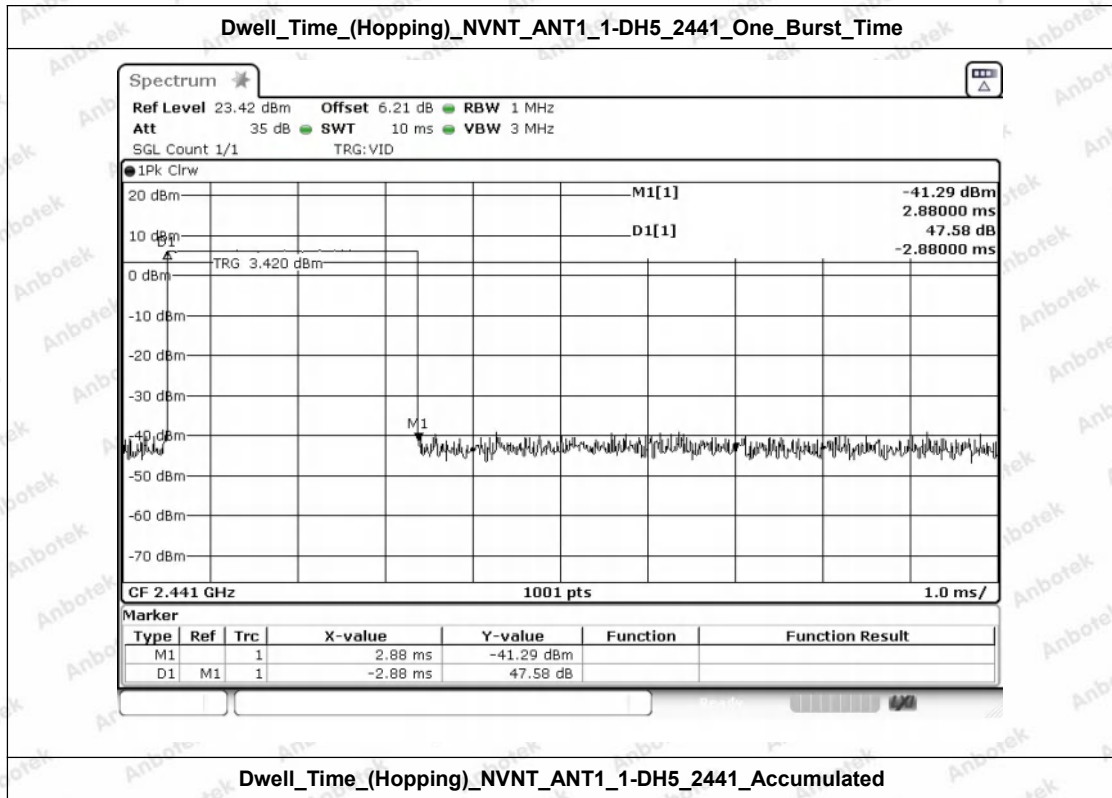
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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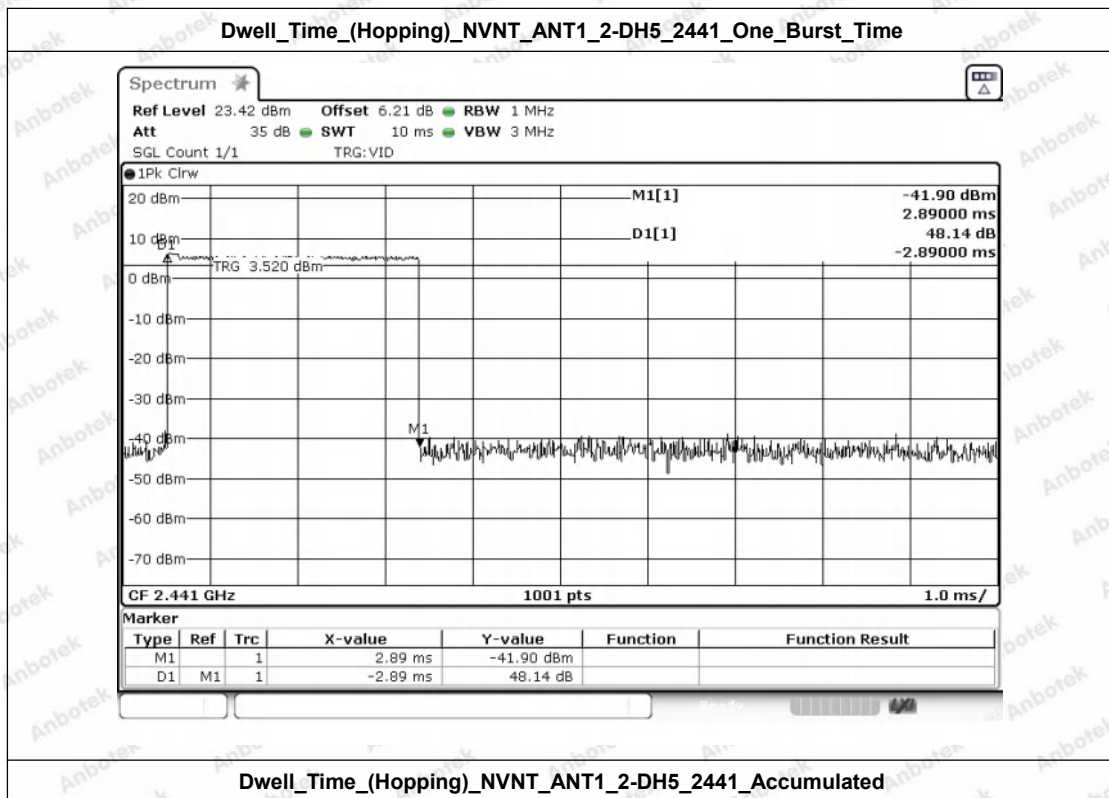
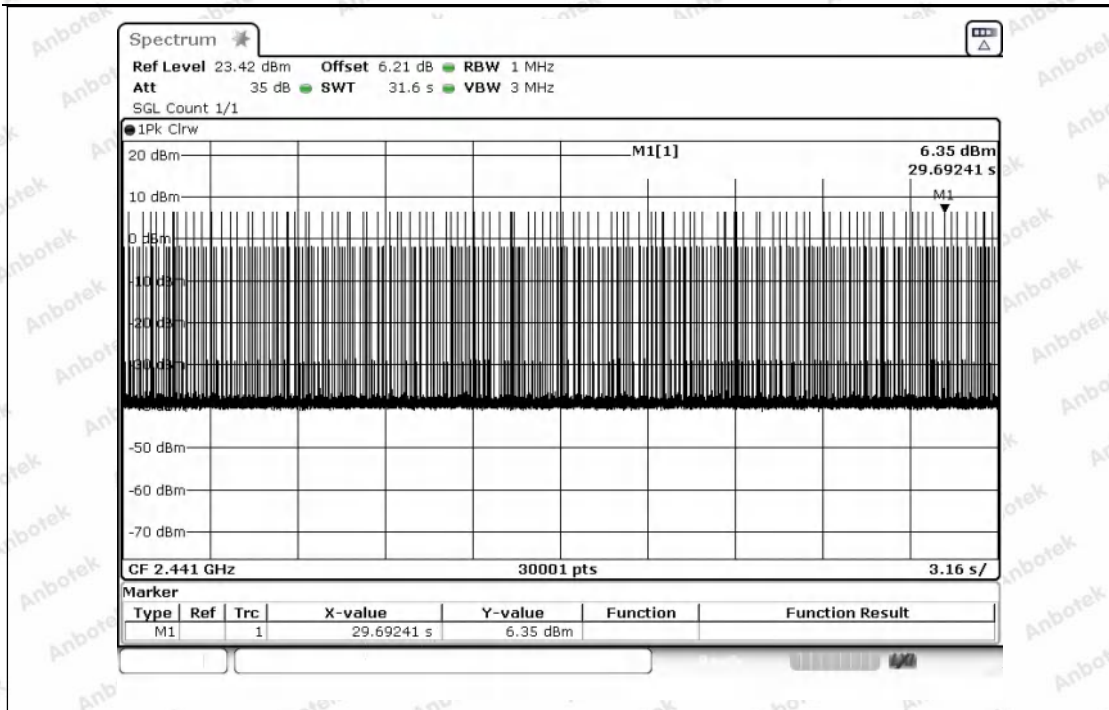


## Appendix H: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.880	106.00	305.280	0.40	Pass
NVNT	ANT1	2-DH5	2.890	108.00	312.120	0.40	Pass
NVNT	ANT1	3-DH5	2.890	106.00	306.340	0.40	Pass
NVNT	ANT1	1-DH1	0.380	319.00	121.220	0.40	Pass
NVNT	ANT1	1-DH3	1.630	159.00	259.170	0.40	Pass
NVNT	ANT1	2-DH1	0.390	319.00	124.410	0.40	Pass
NVNT	ANT1	2-DH3	1.640	159.00	260.760	0.40	Pass
NVNT	ANT1	3-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	3-DH3	1.640	159.00	260.760	0.40	Pass



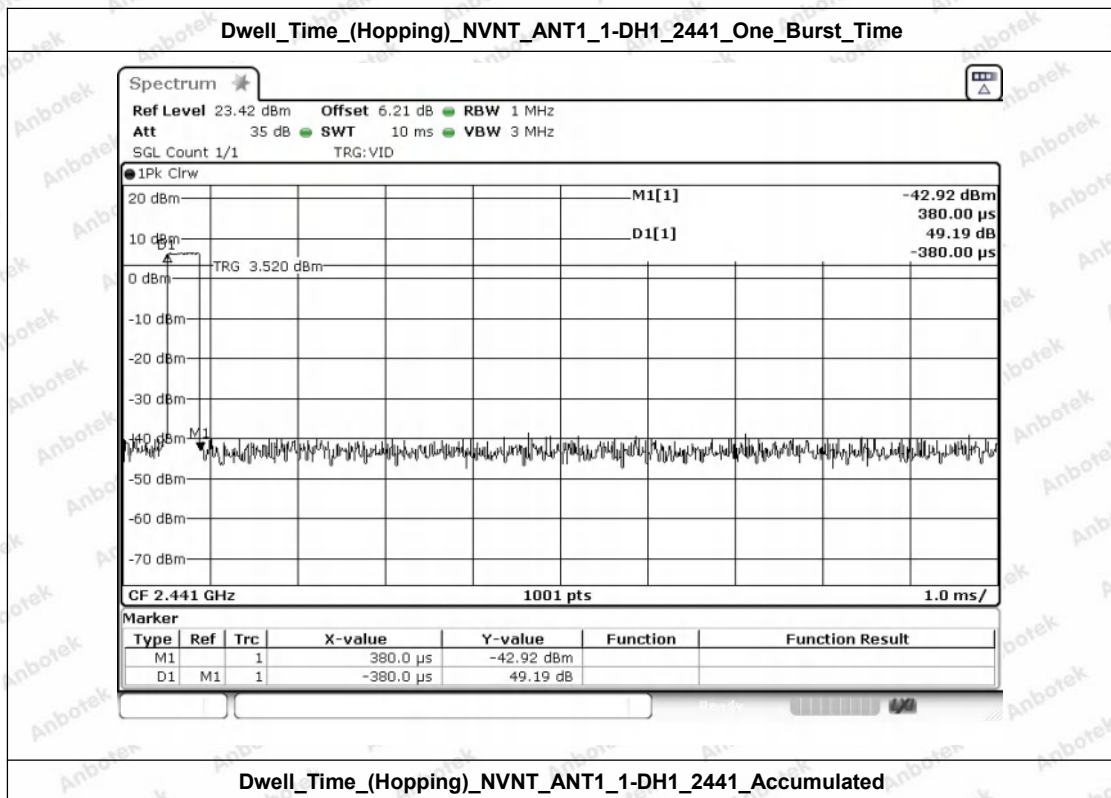
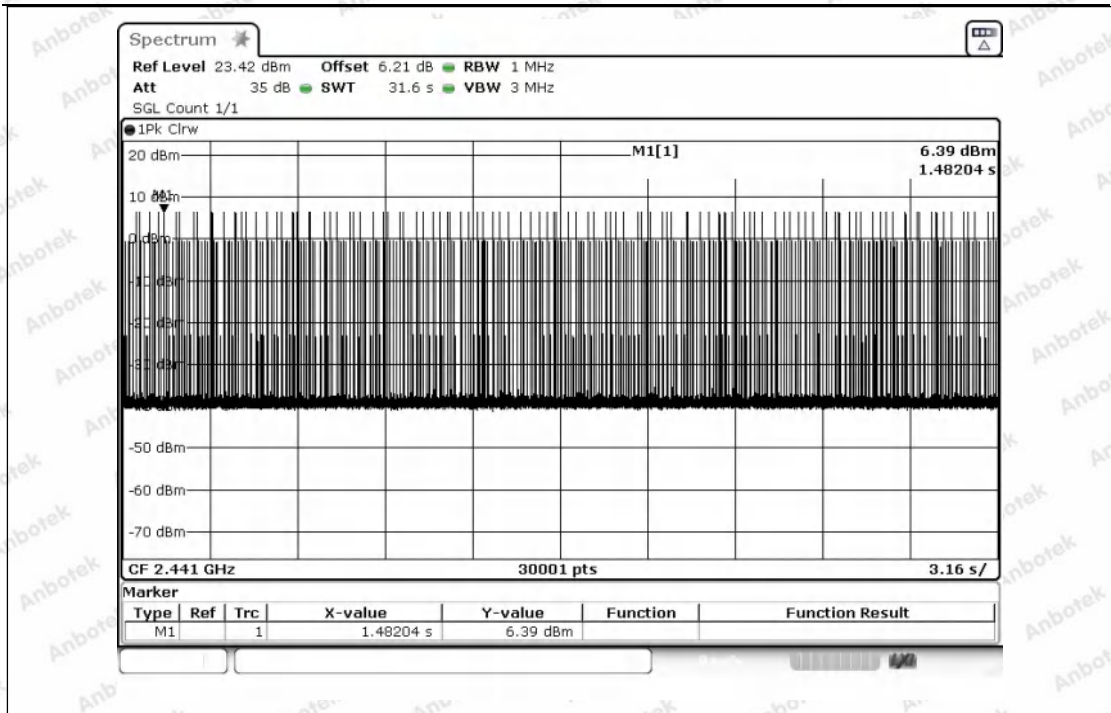




Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH5\_2441\_Accumulated



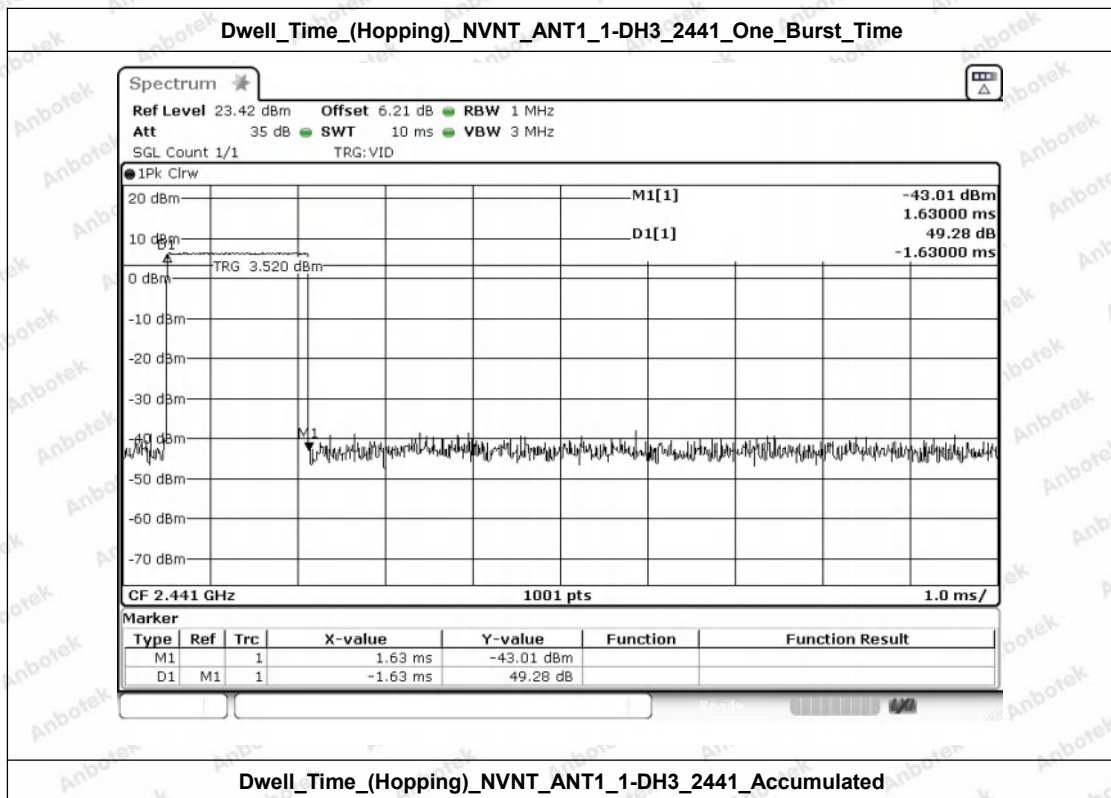
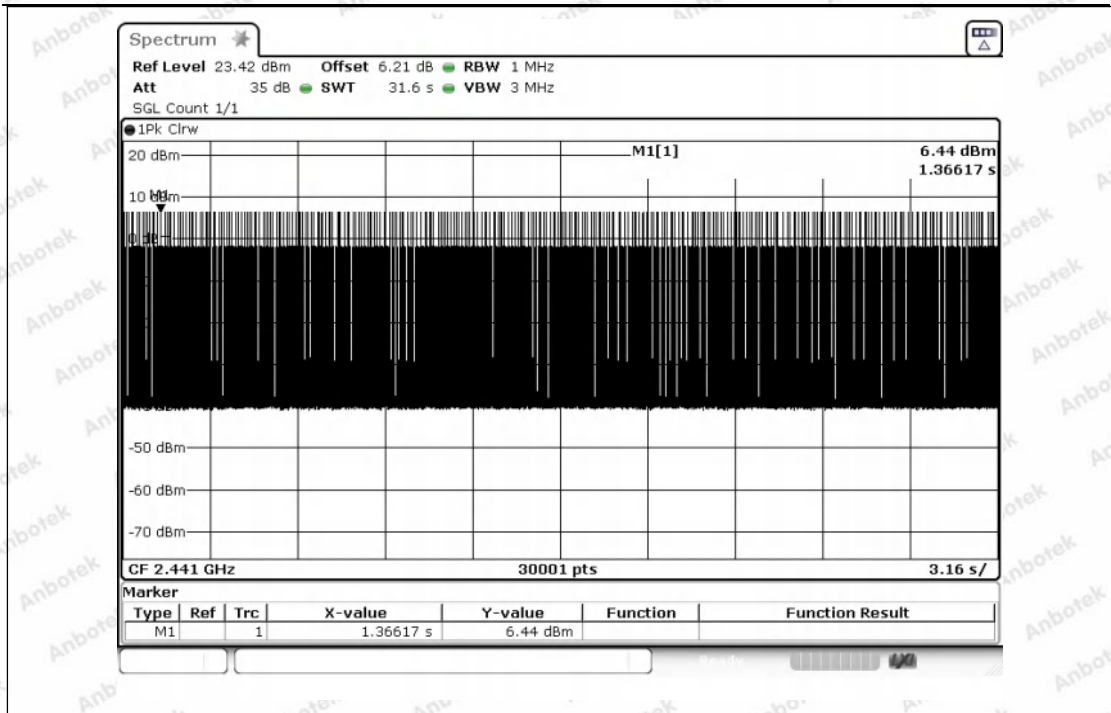




Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH1\_2441\_Accumulated

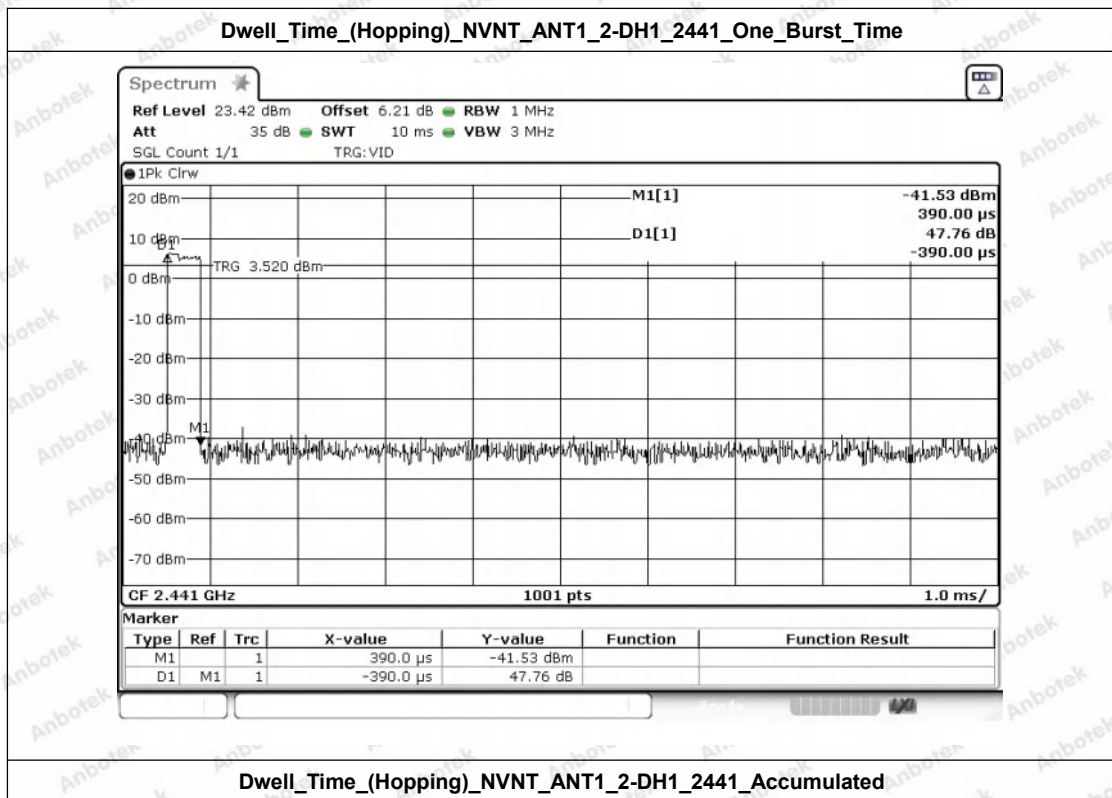
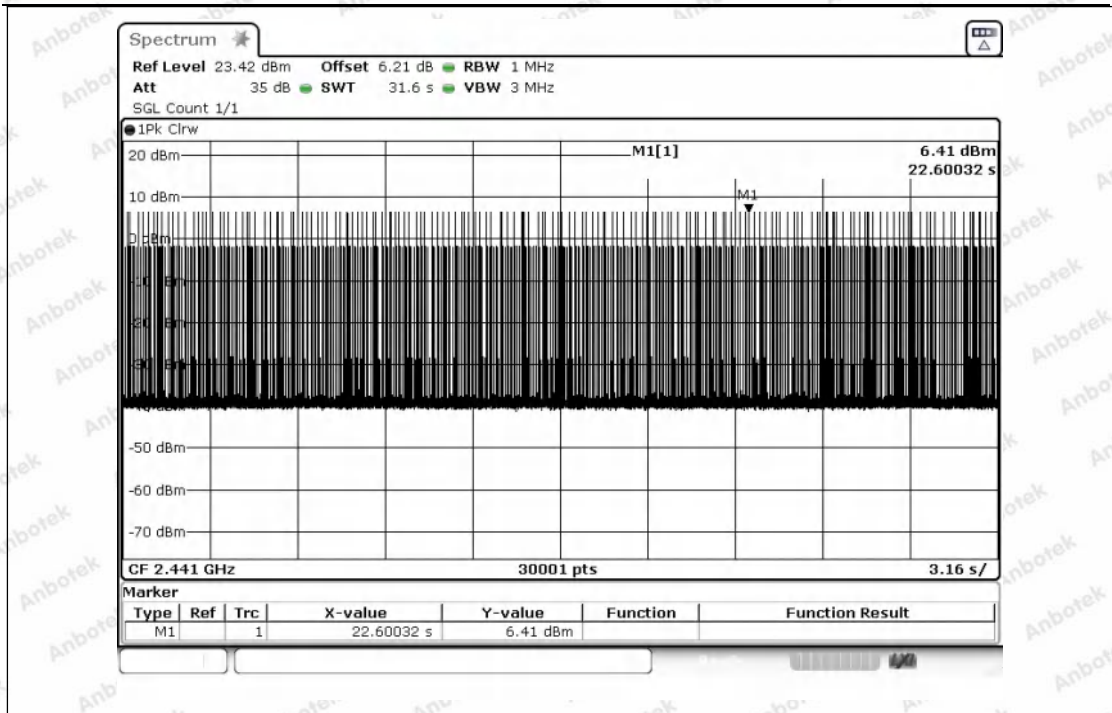


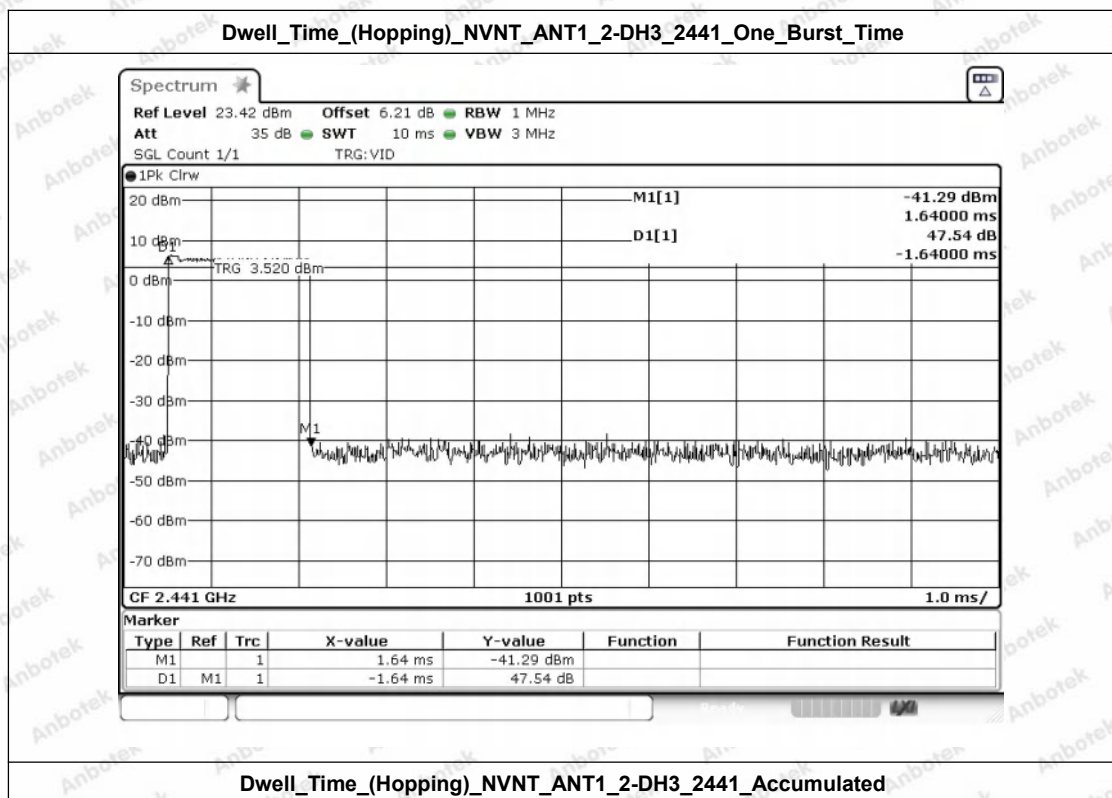
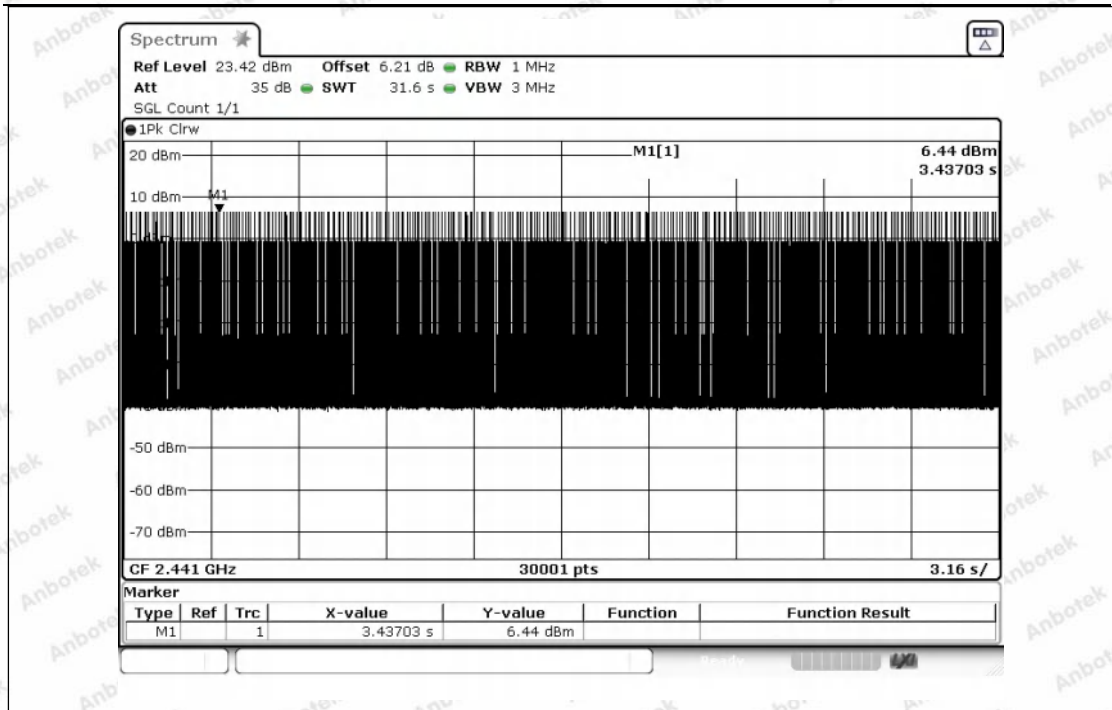




Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH3\_2441\_Accumulated



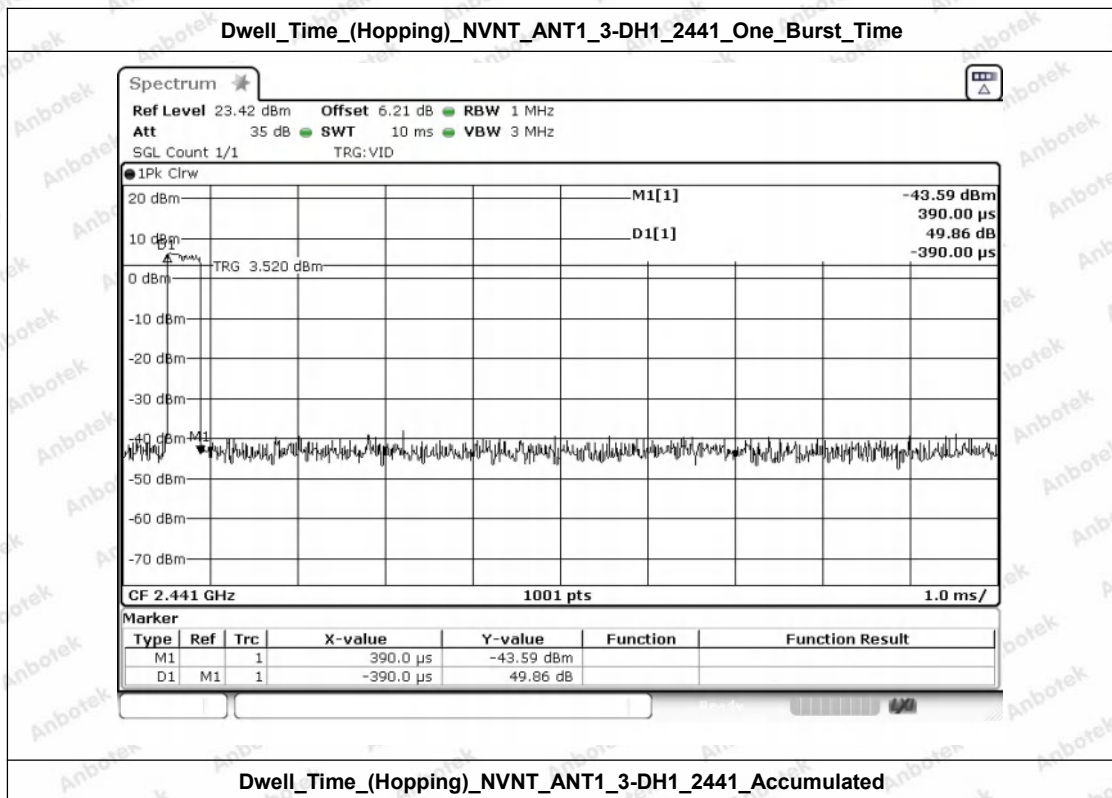
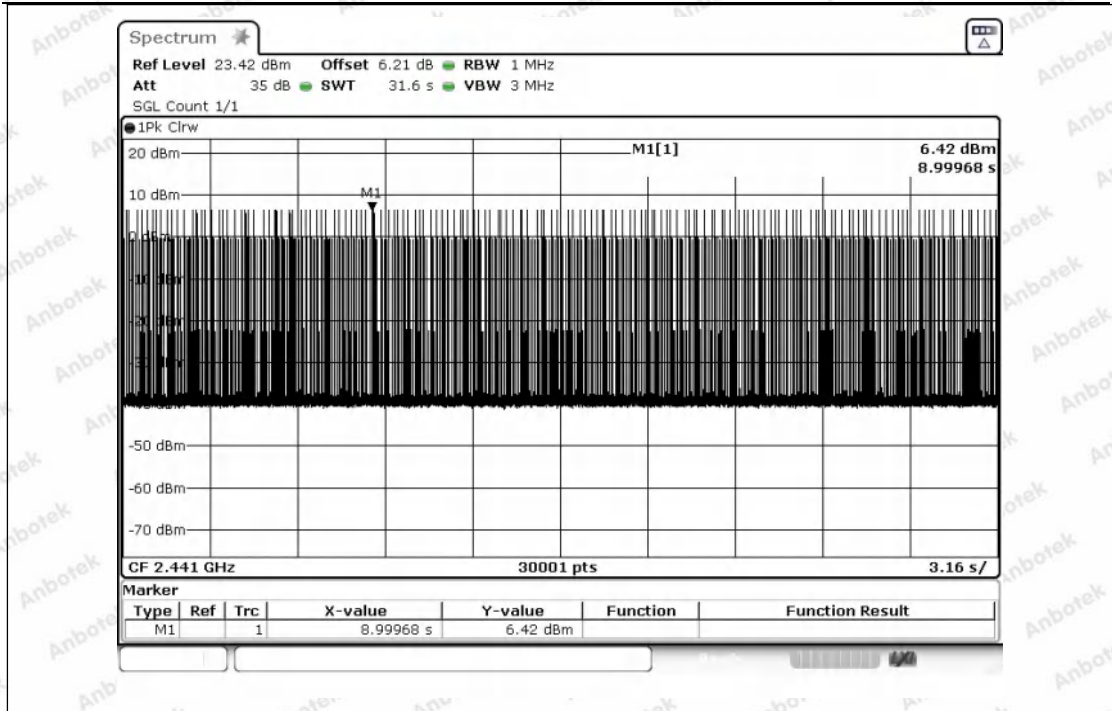




Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH3\_2441\_Accumulated

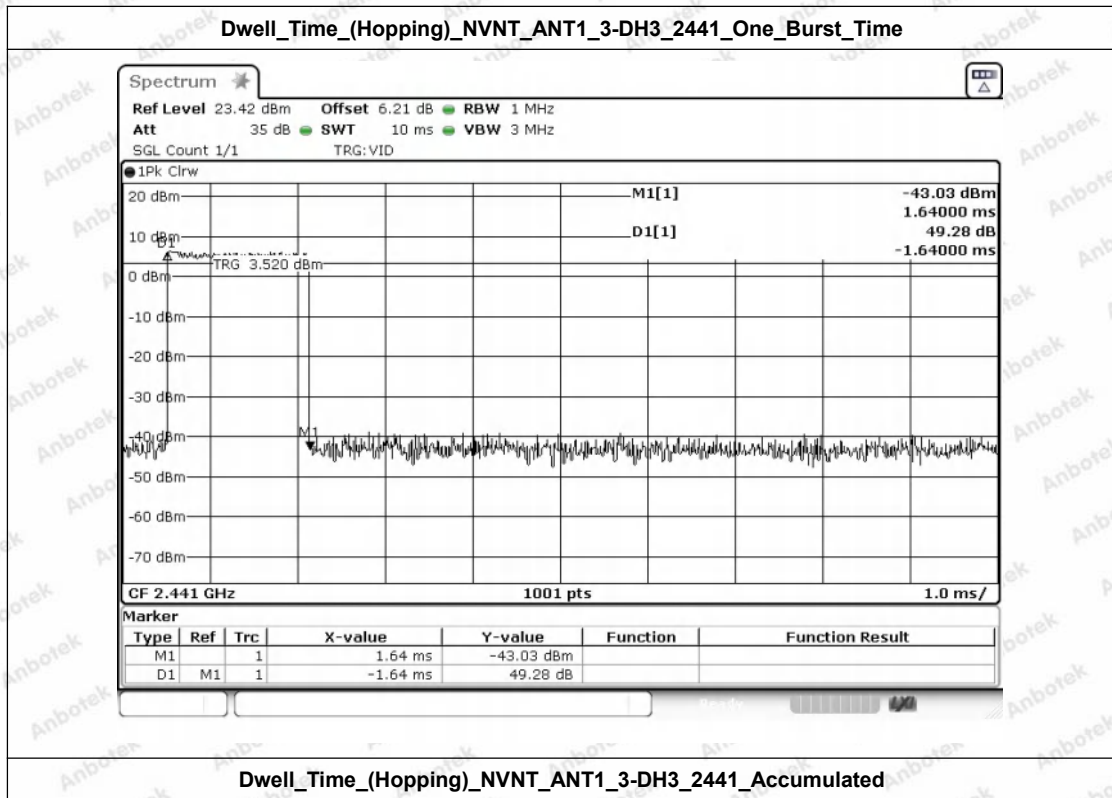
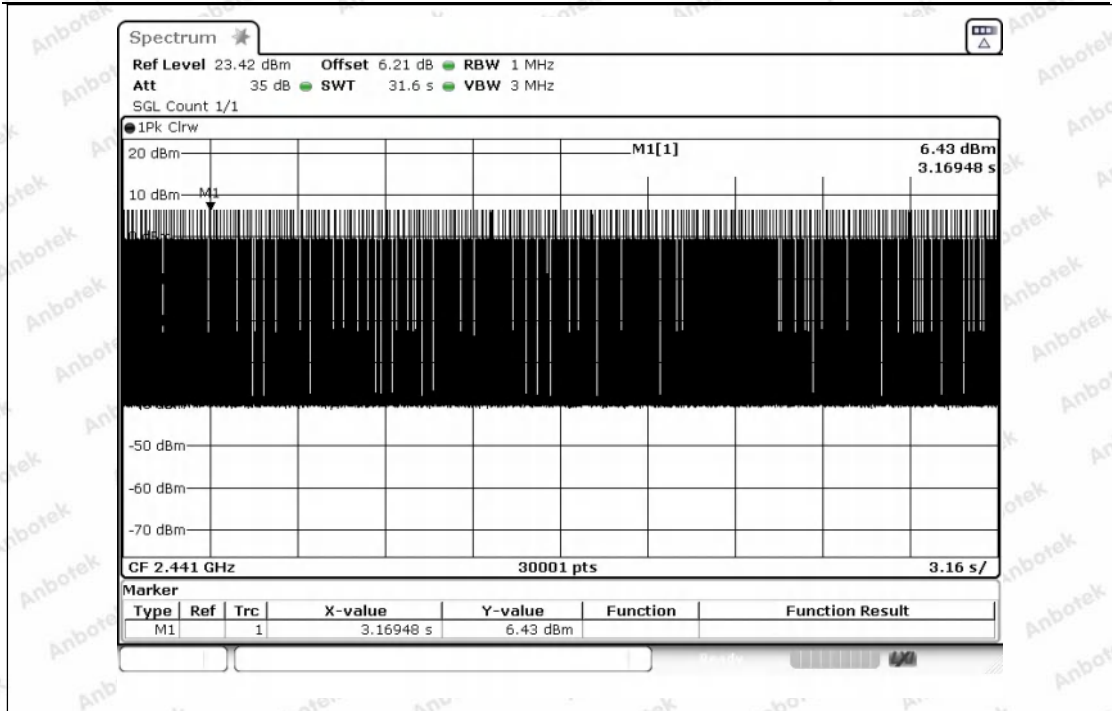


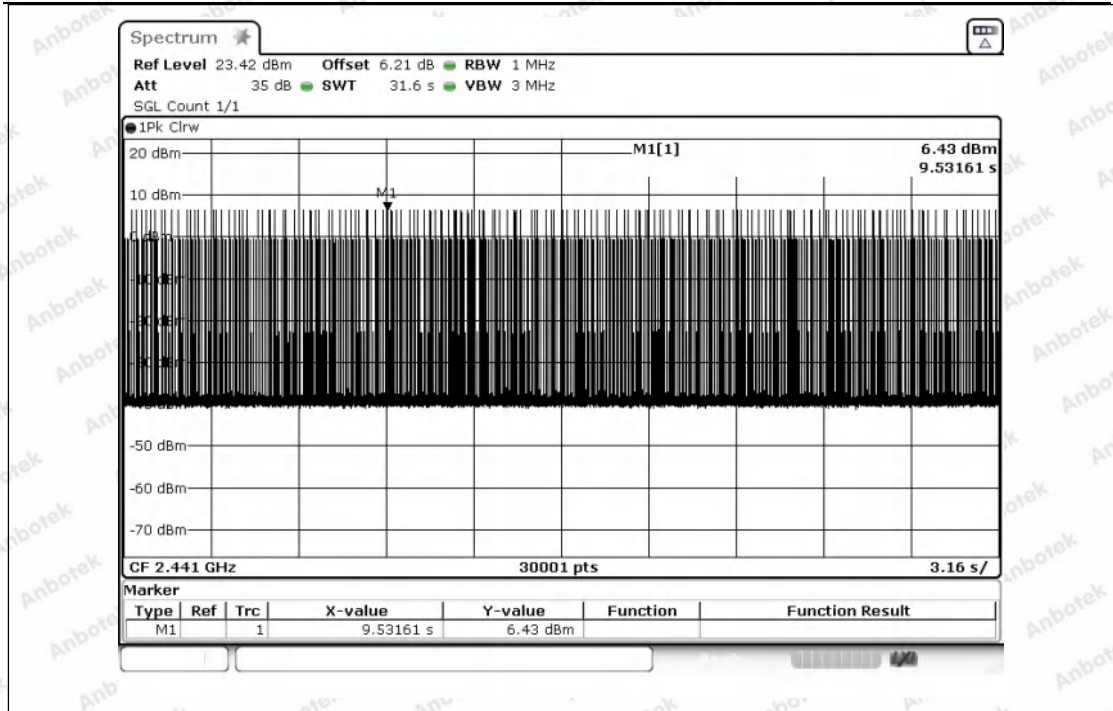




**Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_3-DH1\_2441\_Accumulated**







---End---

