

Appendix Test Data

|                  |                 |                    |             |
|------------------|-----------------|--------------------|-------------|
| Report No.:      | 18220WC40049201 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2024.3.20       | Finish Test Date:  | 2024.3.22   |
| Test Engineer:   | Joker Wang      | Auditor:           | Justin Feng |
| Temperature:     | 24℃             | Relative Humidity: | 49%         |
| Pressure:        | 101kPa          |                    |             |

Appendix A: -20dB Bandwidth

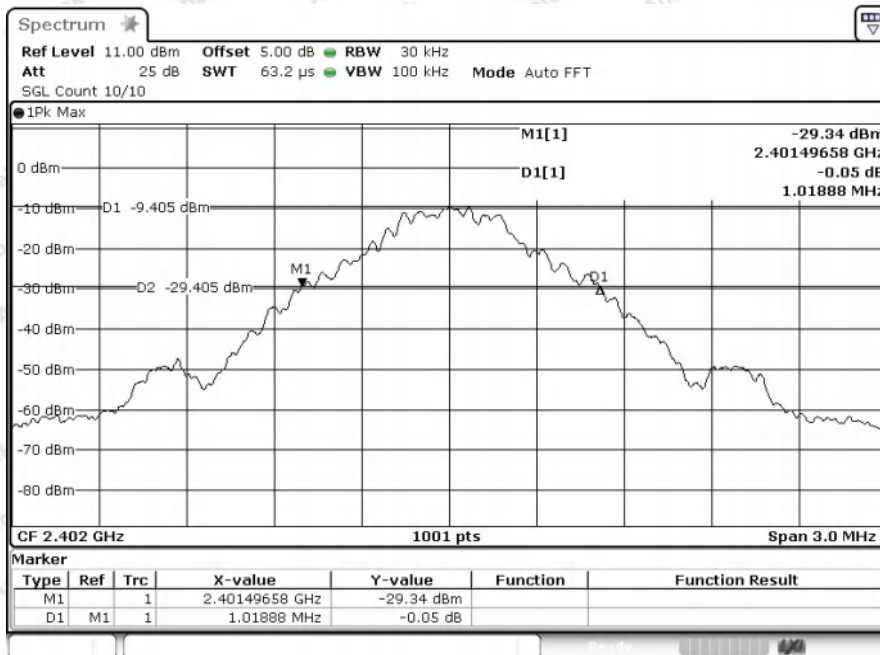
Test Result

| Condition | Antenna | Modulation | Frequency (MHz) | -20dB BW(MHz) | if larger than CFS |
|-----------|---------|------------|-----------------|---------------|--------------------|
| NVNT      | ANT1    | 1-DH5      | 2402.00         | 1.019         | Yes                |
| NVNT      | ANT1    | 1-DH5      | 2441.00         | 1.019         | Yes                |
| NVNT      | ANT1    | 1-DH5      | 2480.00         | 1.019         | Yes                |
| NVNT      | ANT1    | 2-DH5      | 2402.00         | 1.313         | Yes                |
| NVNT      | ANT1    | 2-DH5      | 2441.00         | 1.289         | Yes                |
| NVNT      | ANT1    | 2-DH5      | 2480.00         | 1.289         | Yes                |

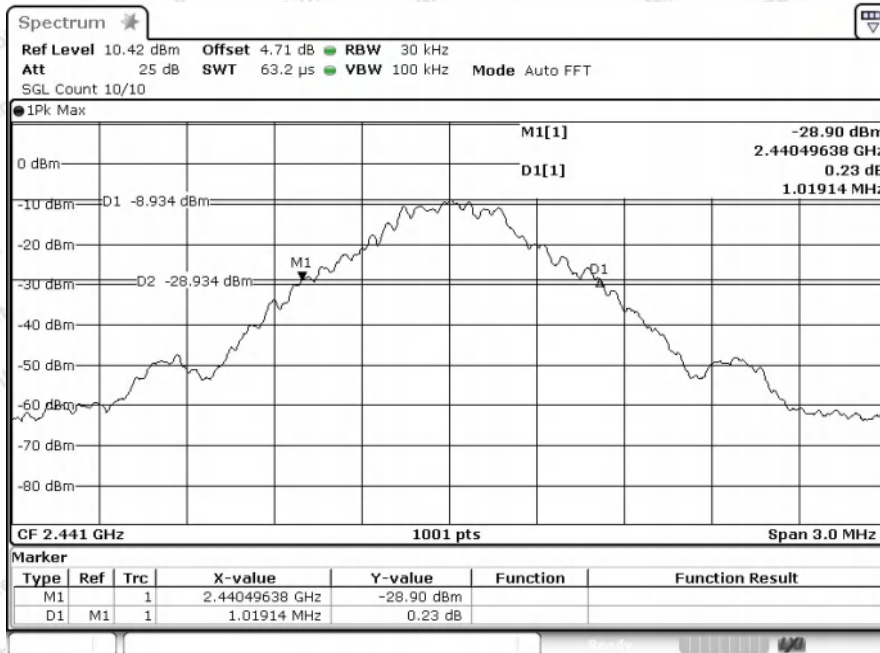


## Test Graphs

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

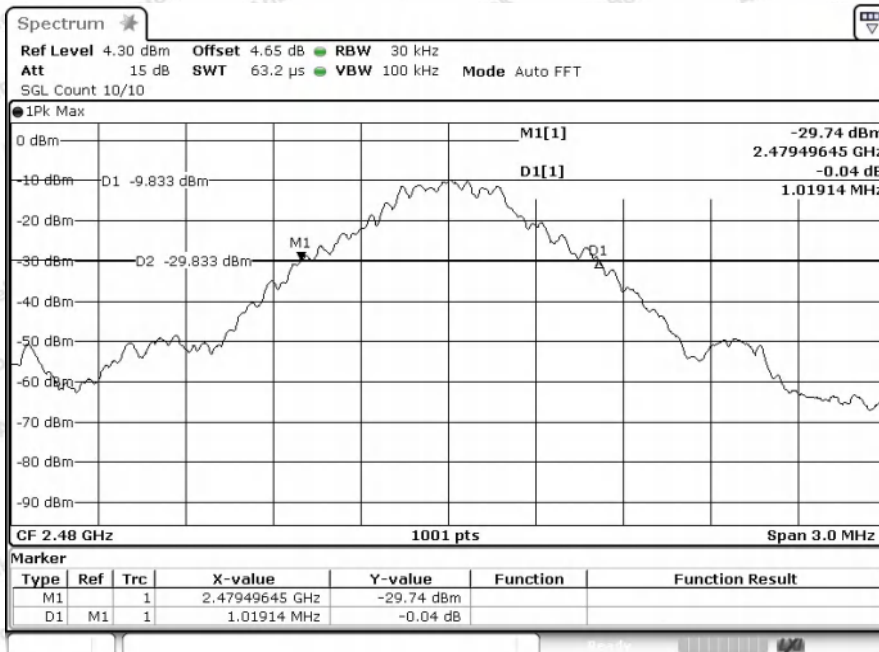


-20dB\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2441

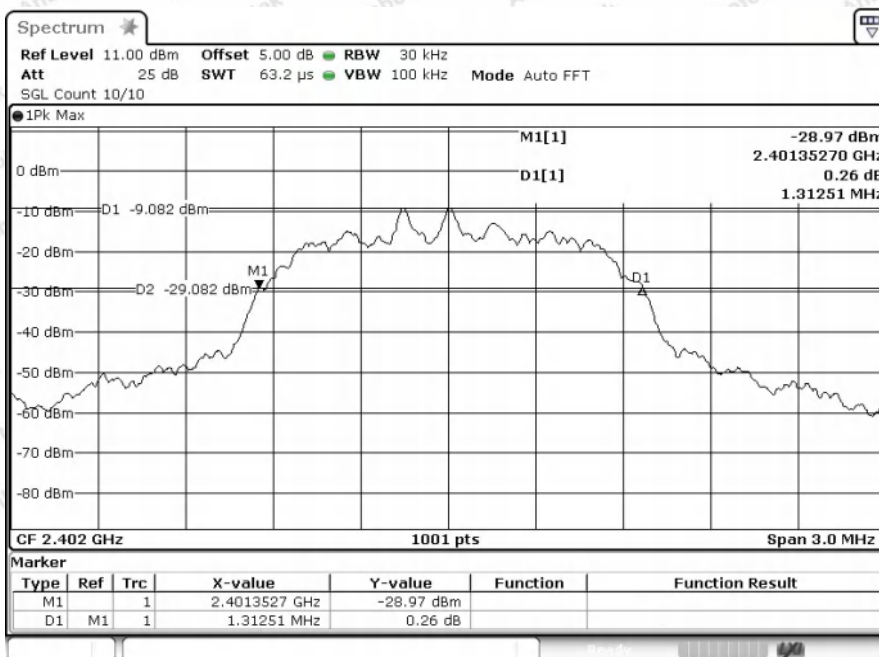


-20dB\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2480



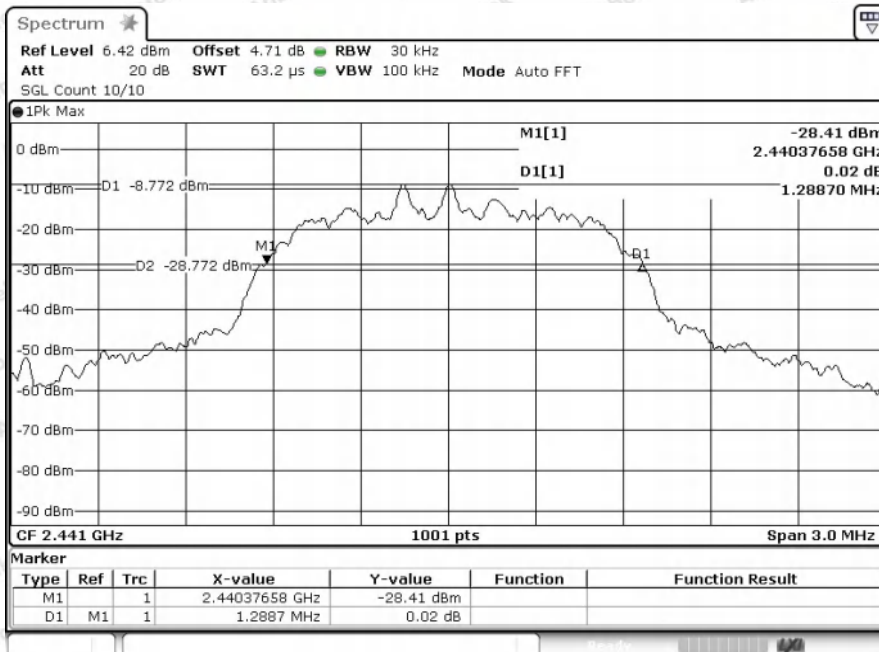


-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2402

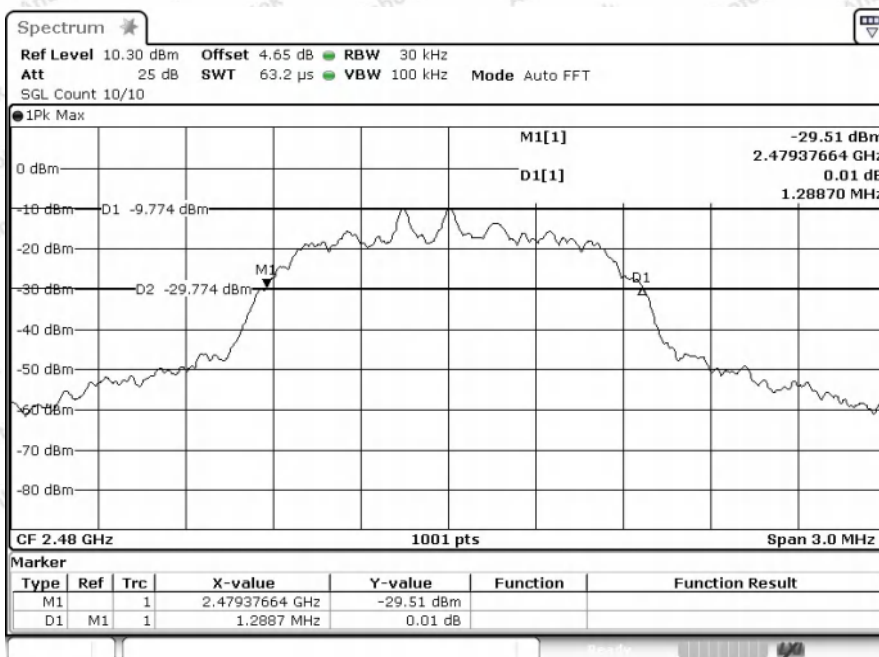


-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2441





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



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## Appendix B: 99% Occupied Bandwidth

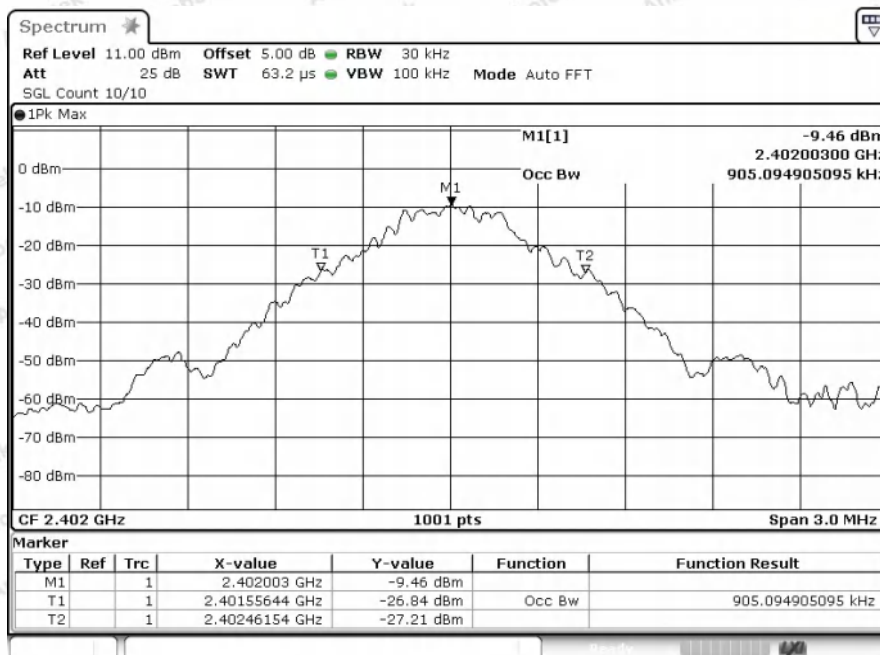
### Test Result

| Condition | Antenna | Modulation | Frequency (MHz) | 99%BW(MHz) |
|-----------|---------|------------|-----------------|------------|
| NVNT      | ANT1    | 1-DH5      | 2402.00         | 0.905      |
| NVNT      | ANT1    | 1-DH5      | 2441.00         | 0.905      |
| NVNT      | ANT1    | 1-DH5      | 2480.00         | 0.908      |
| NVNT      | ANT1    | 2-DH5      | 2402.00         | 1.187      |
| NVNT      | ANT1    | 2-DH5      | 2441.00         | 1.193      |
| NVNT      | ANT1    | 2-DH5      | 2480.00         | 1.193      |

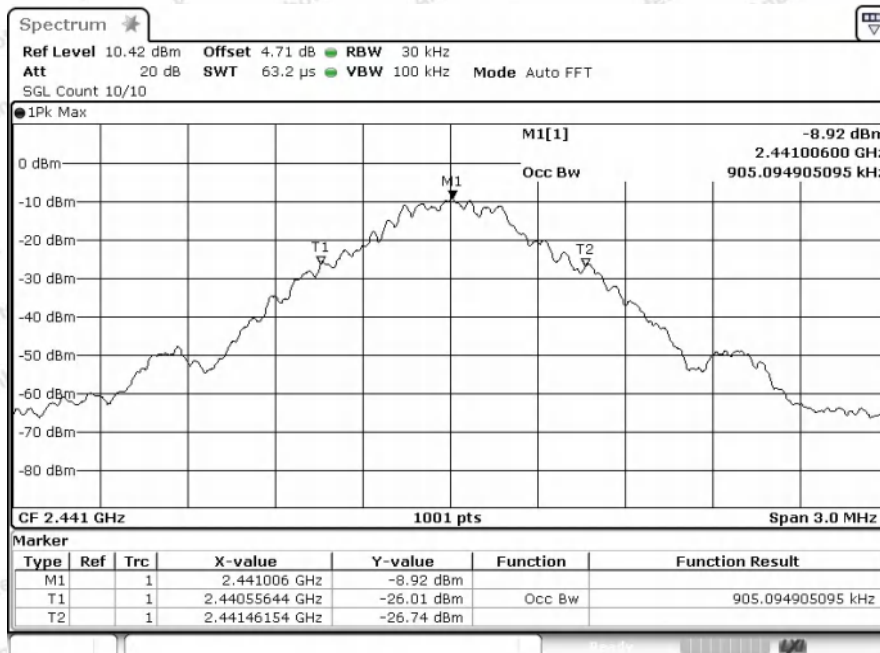


## Test Graphs

99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2402

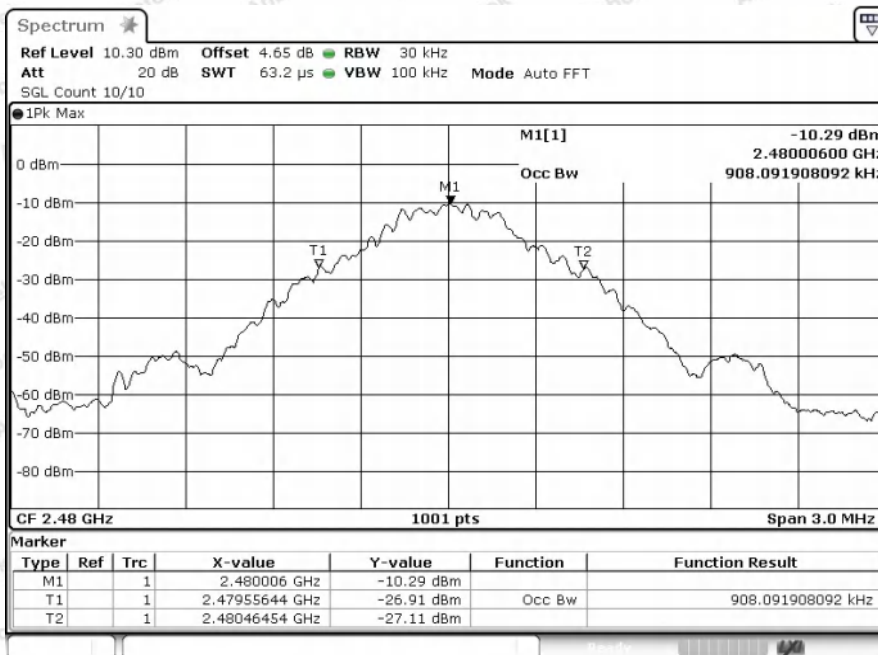


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2441

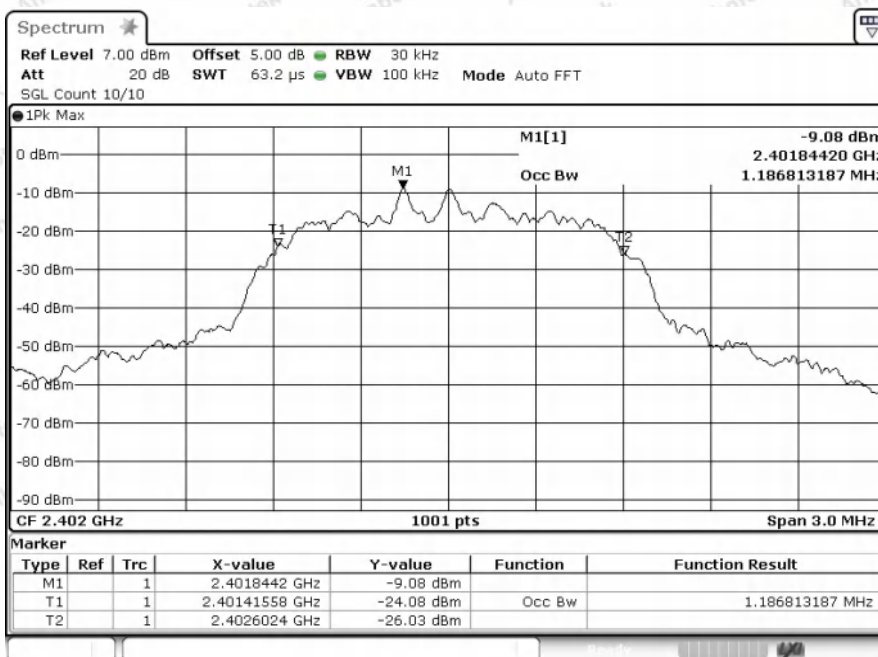


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2480



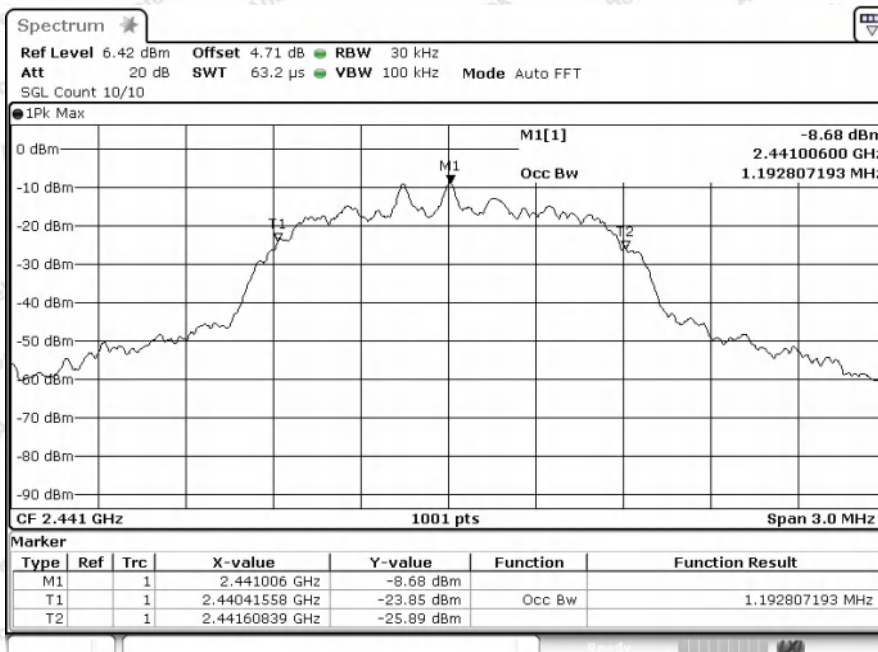


## 99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2402

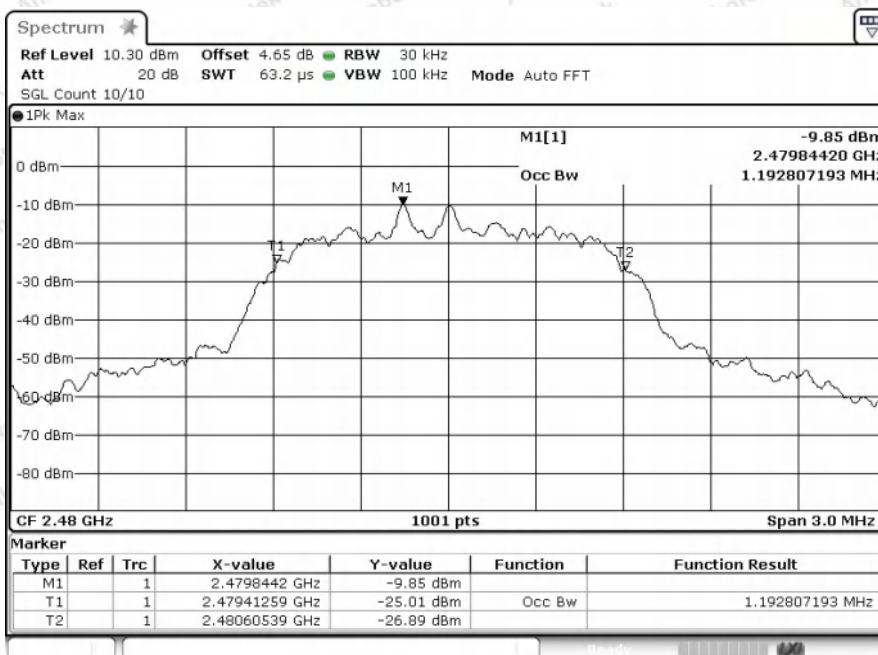


## 99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2441





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



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## Appendix C: Peak Output Power

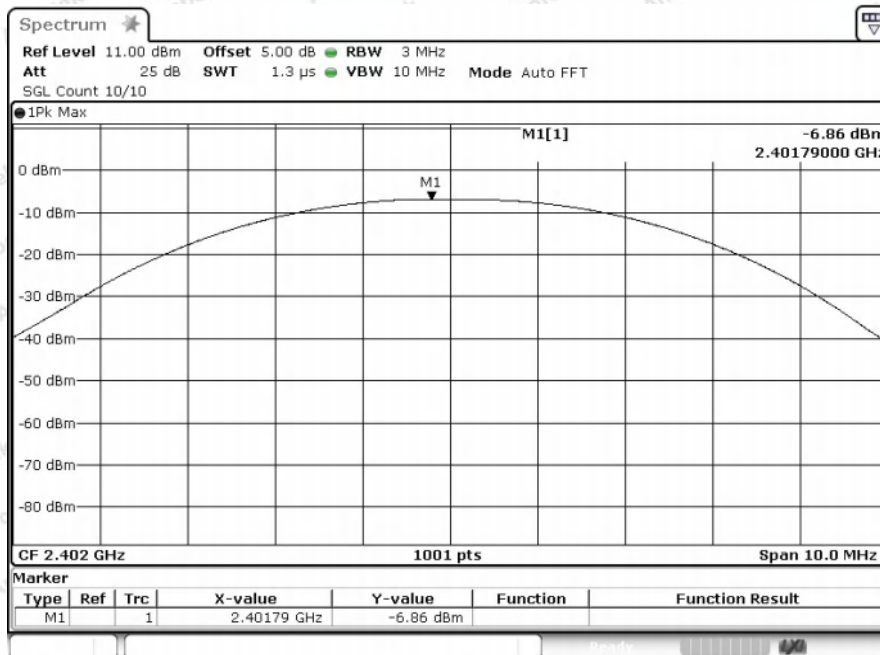
### Test Result Peak

| Condition | Antenna | Modulation | Frequency<br>(MHz) | Max. Conducted<br>Power(dBm) | Max. Conducted<br>Power(mW) | Limit(mW) | Result |
|-----------|---------|------------|--------------------|------------------------------|-----------------------------|-----------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00            | -6.86                        | 0.21                        | 125       | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2441.00            | -6.60                        | 0.22                        | 125       | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00            | -7.42                        | 0.18                        | 125       | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2402.00            | -5.80                        | 0.26                        | 125       | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2441.00            | -5.60                        | 0.28                        | 125       | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2480.00            | -6.70                        | 0.21                        | 125       | Pass   |

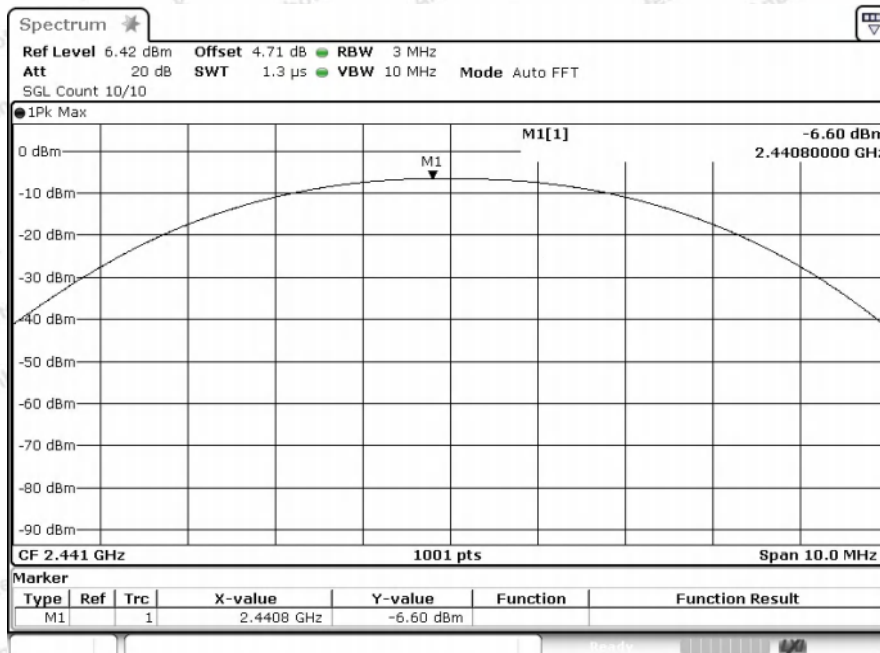


## Test Graphs Peak

Peak\_Output\_Power\_NVNT\_ANT1\_1-DH5\_2402



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



Peak\_Output\_Power\_NVNT\_ANT1\_1-DH5\_2480

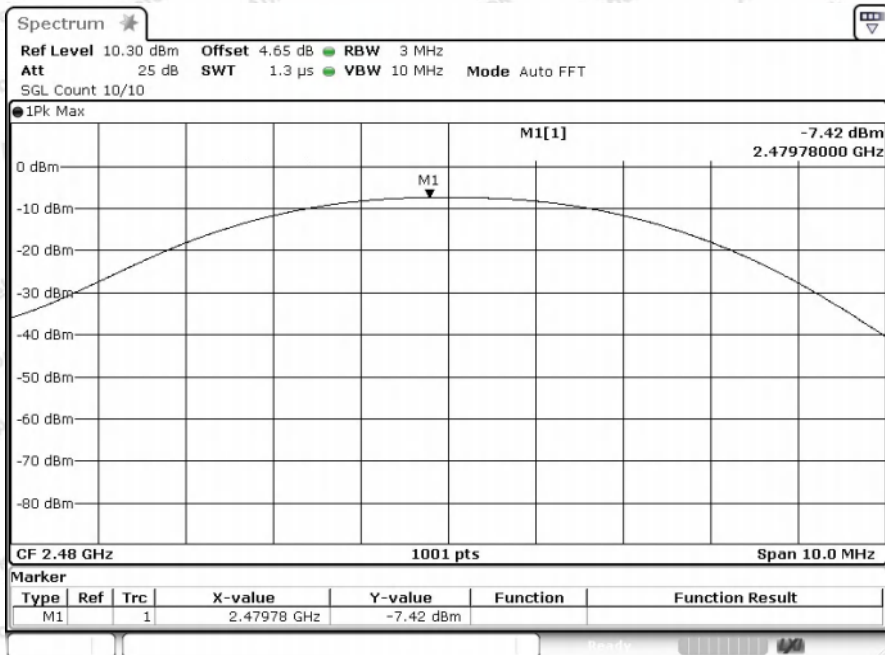
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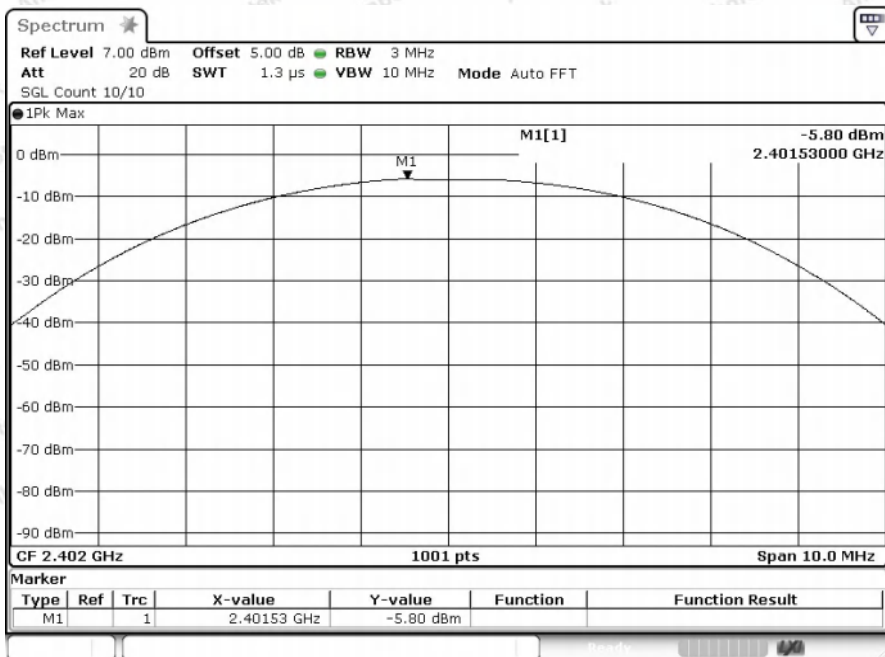


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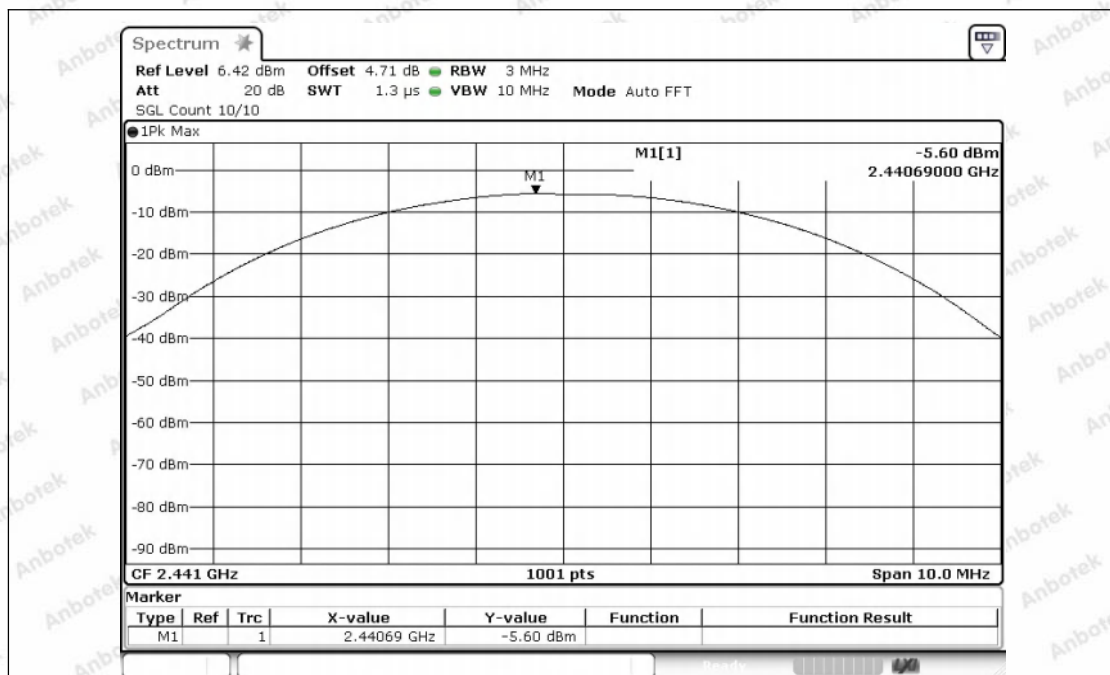


Peak\_Output\_Power\_NVNT\_ANT1\_2-DH5\_2402

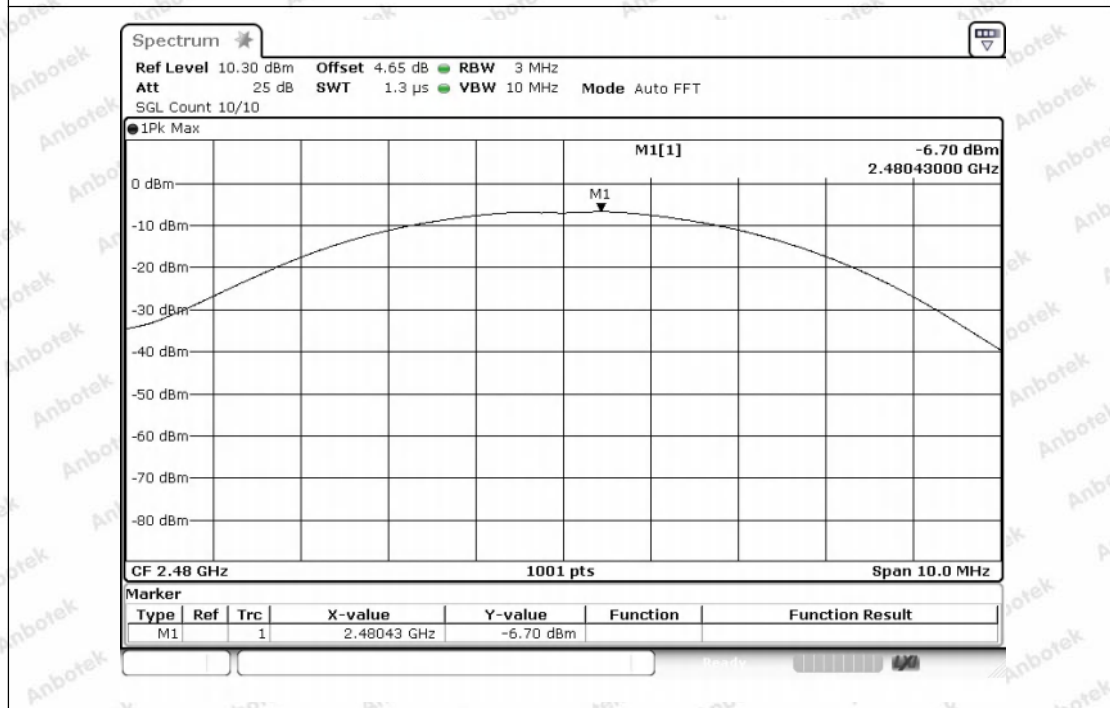


Peak\_Output\_Power\_NVNT\_ANT1\_2-DH5\_2441





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



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## Appendix D: Spurious Emissions

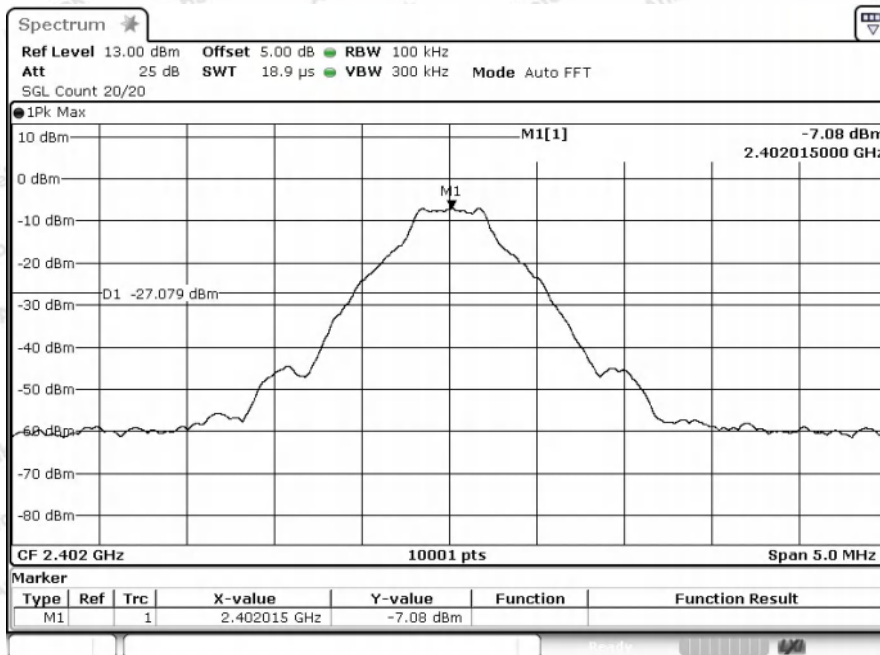
### Test Result

| Condition | Antenna | Modulation | TX Mode | Spurious<br>MAX.Value(dBm) | Limit   | Result |
|-----------|---------|------------|---------|----------------------------|---------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00 | -48.667                    | -27.079 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2441.00 | -48.361                    | -26.772 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00 | -51.100                    | -27.638 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2402.00 | -51.338                    | -26.849 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2441.00 | -50.552                    | -26.554 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2480.00 | -48.652                    | -27.590 | Pass   |

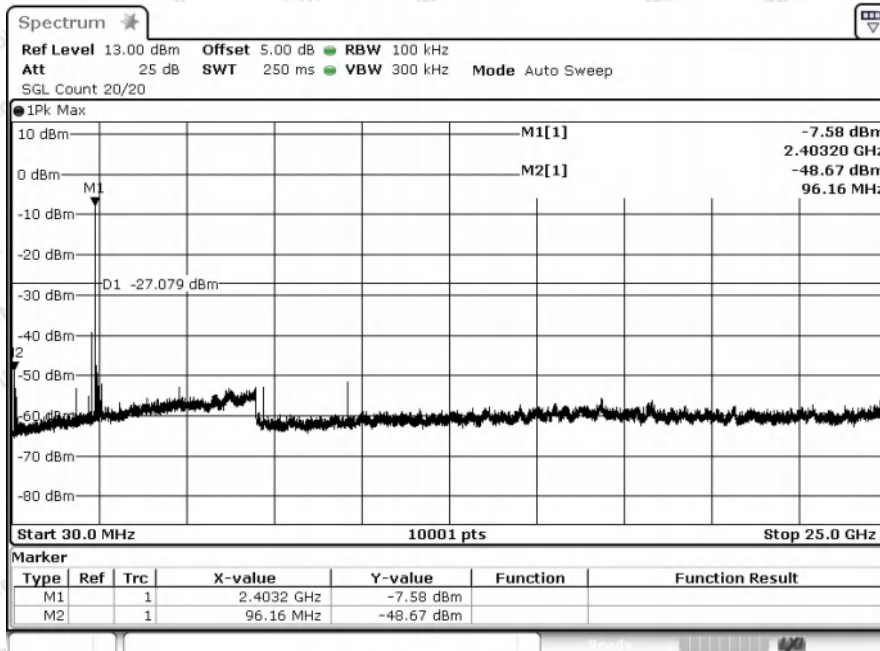


## Test Graphs

1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2402

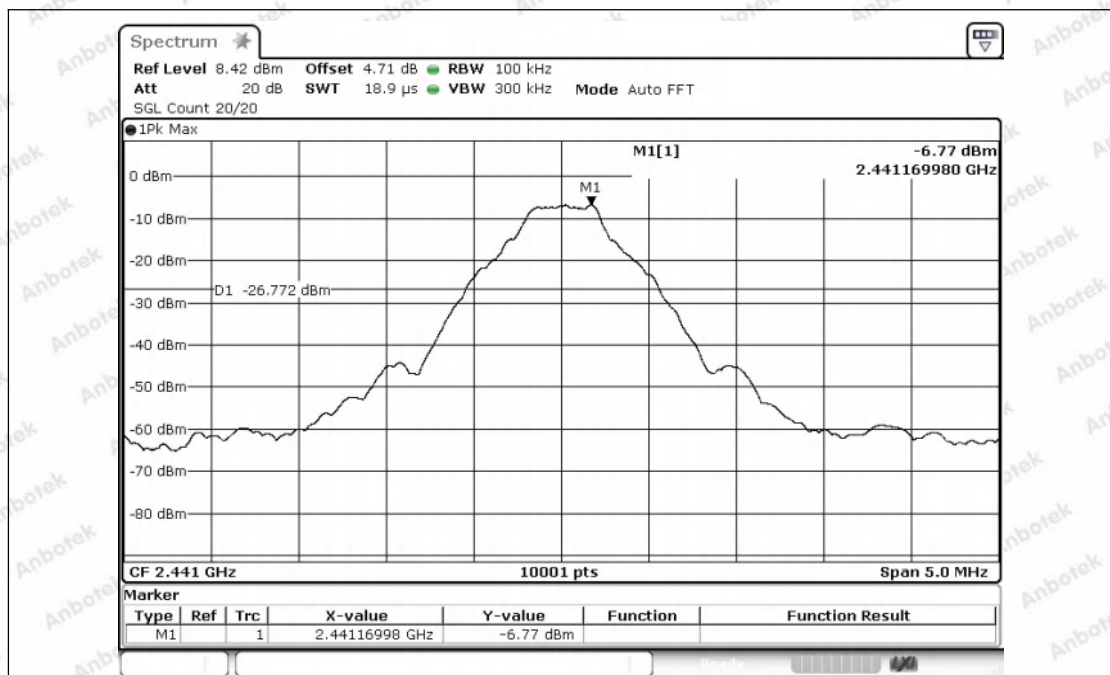


2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2402

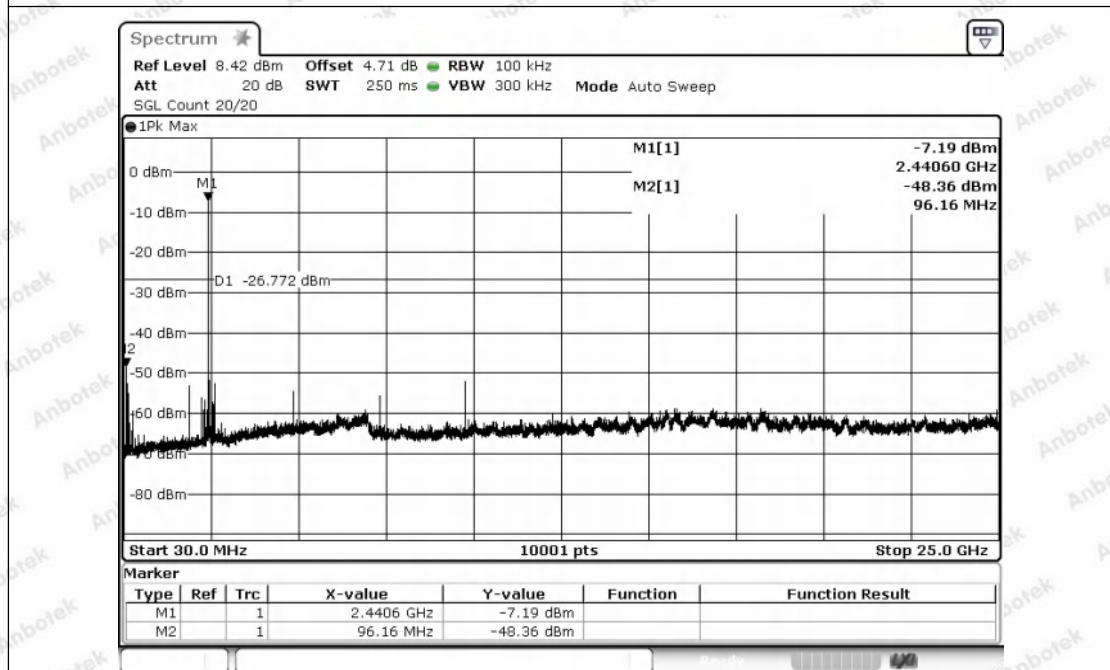


1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2441



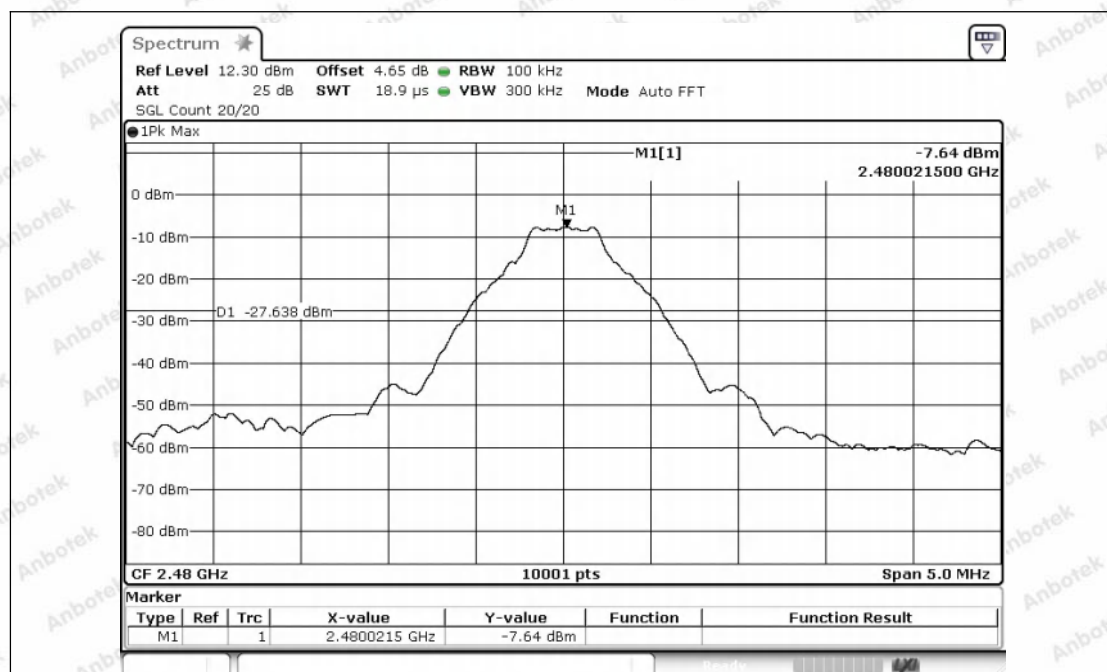


## 2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2441

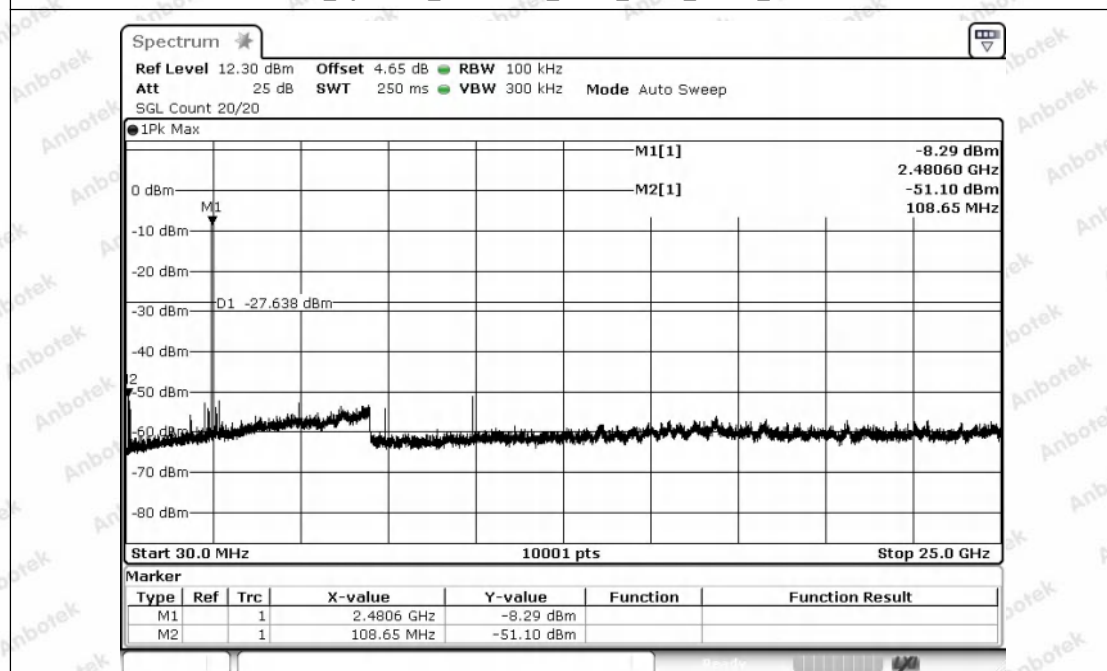


## 1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480





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



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

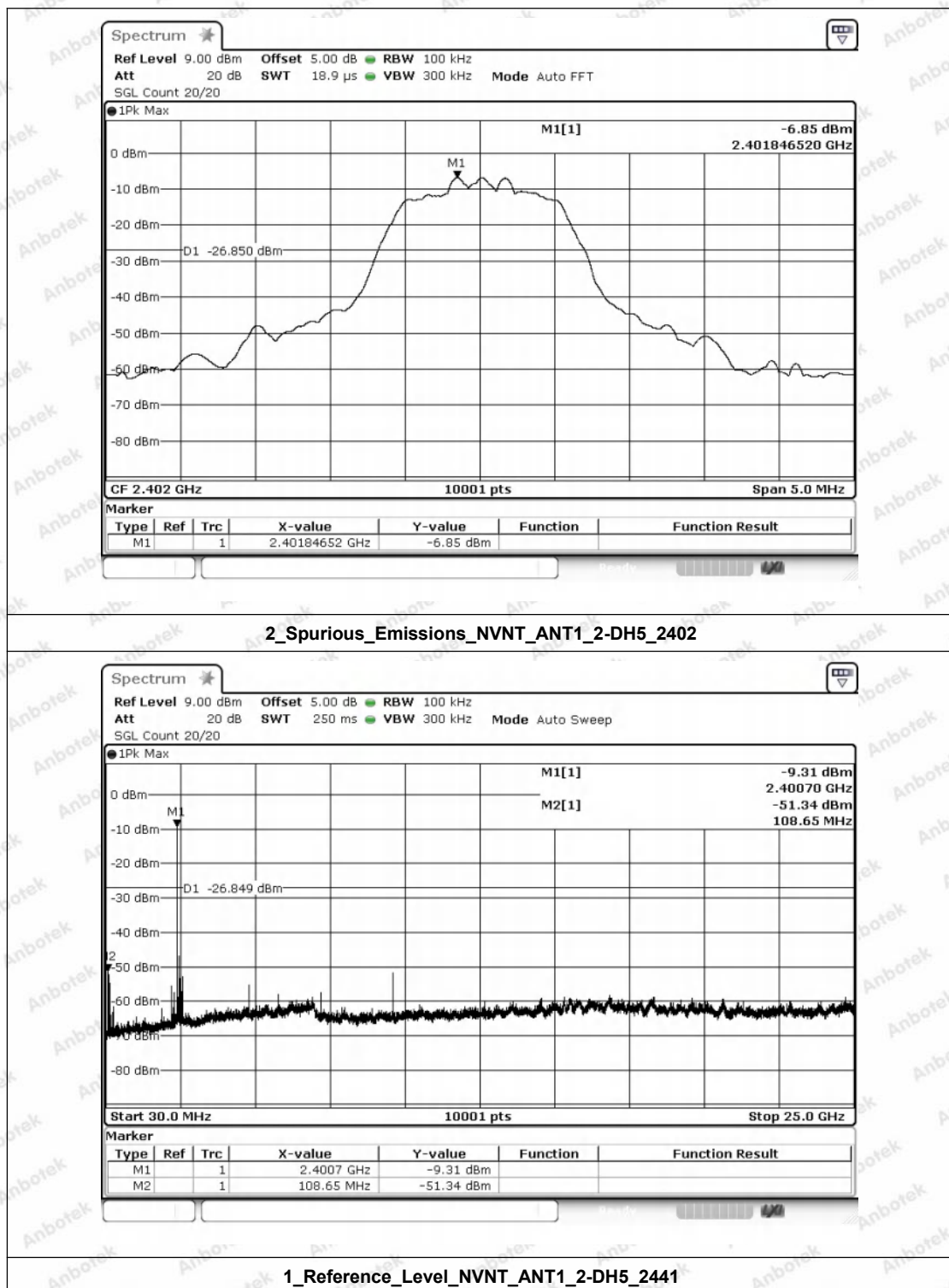
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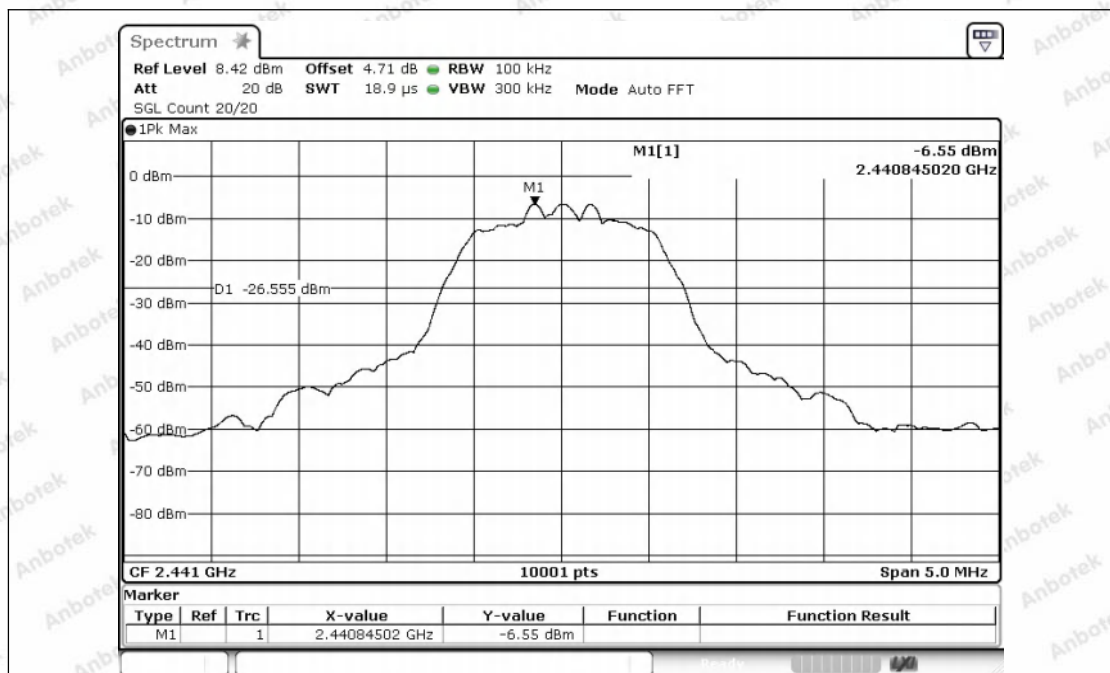
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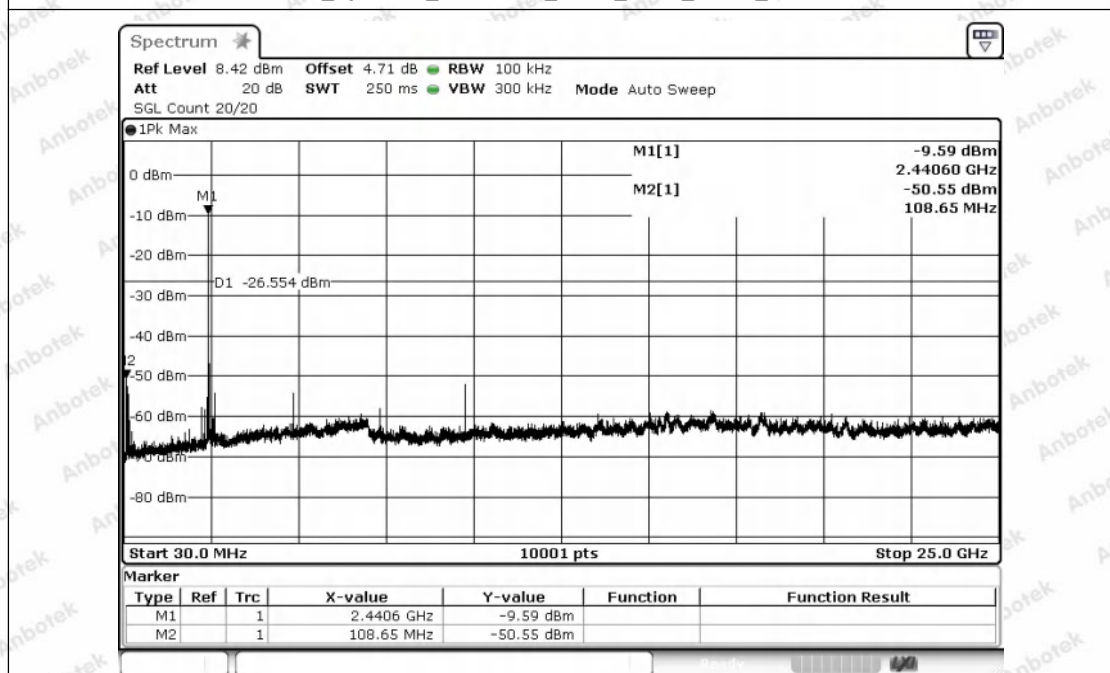


1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2441



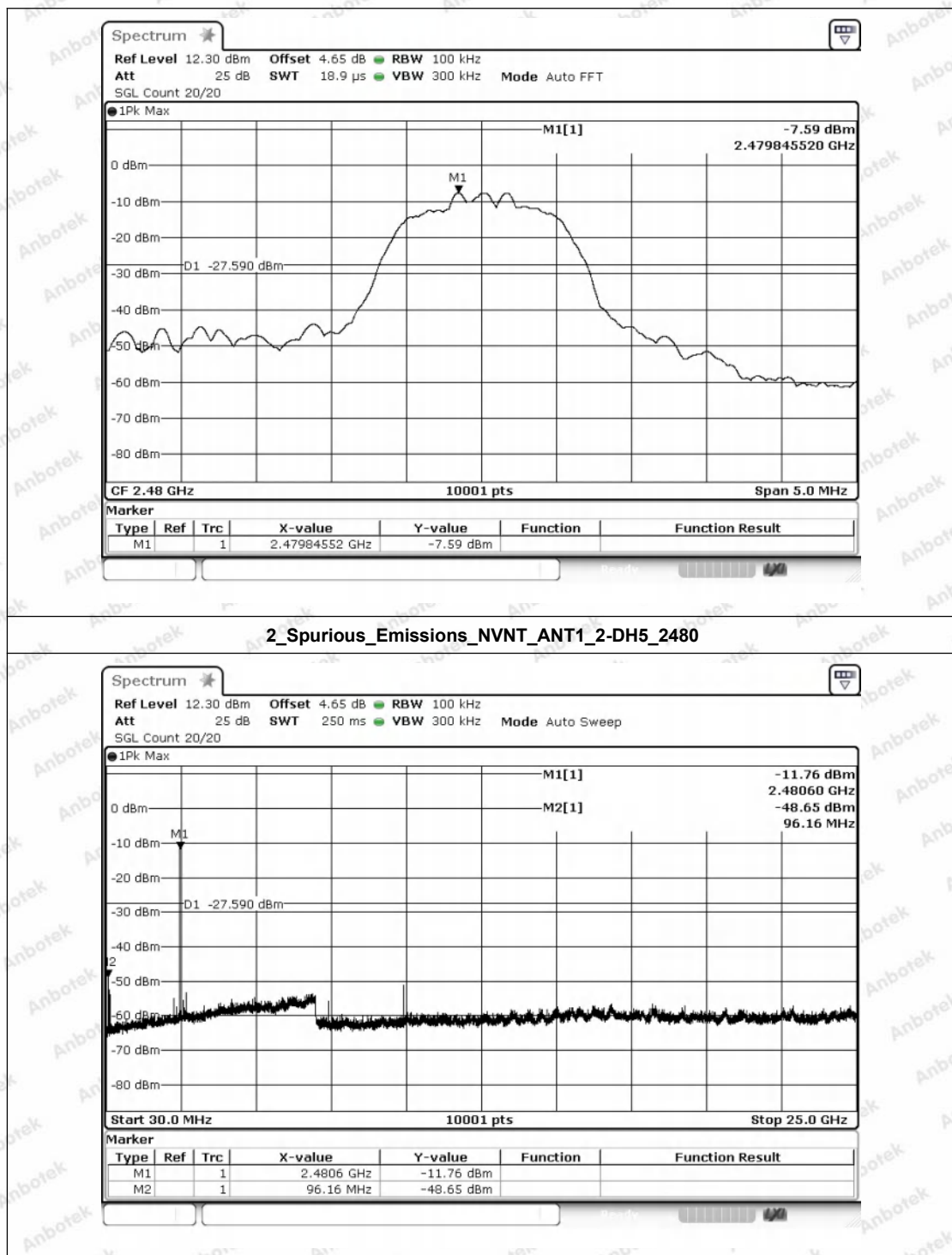


## 2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2441



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



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## Appendix E: Band edge

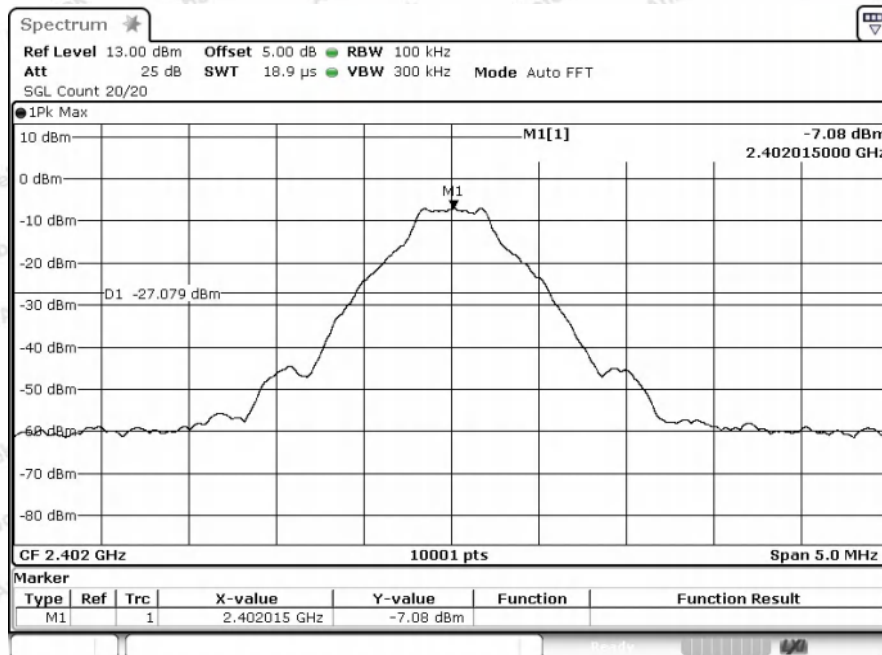
### Test Result

| Condition | Antenna | Modulation | TX Mode     | Bandedge MAX.Value | Limit   | Result |
|-----------|---------|------------|-------------|--------------------|---------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00     | -59.950            | -27.079 | Pass   |
| NVNT      | ANT1    | 1-DH5      | Hopping_LCH | -58.532            | -26.693 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00     | -57.111            | -27.635 | Pass   |
| NVNT      | ANT1    | 1-DH5      | Hopping_HCH | -54.018            | -26.854 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2402.00     | -59.410            | -26.849 | Pass   |
| NVNT      | ANT1    | 2-DH5      | Hopping_LCH | -58.597            | -26.354 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2480.00     | -58.467            | -27.590 | Pass   |
| NVNT      | ANT1    | 2-DH5      | Hopping_HCH | -51.960            | -26.511 | Pass   |

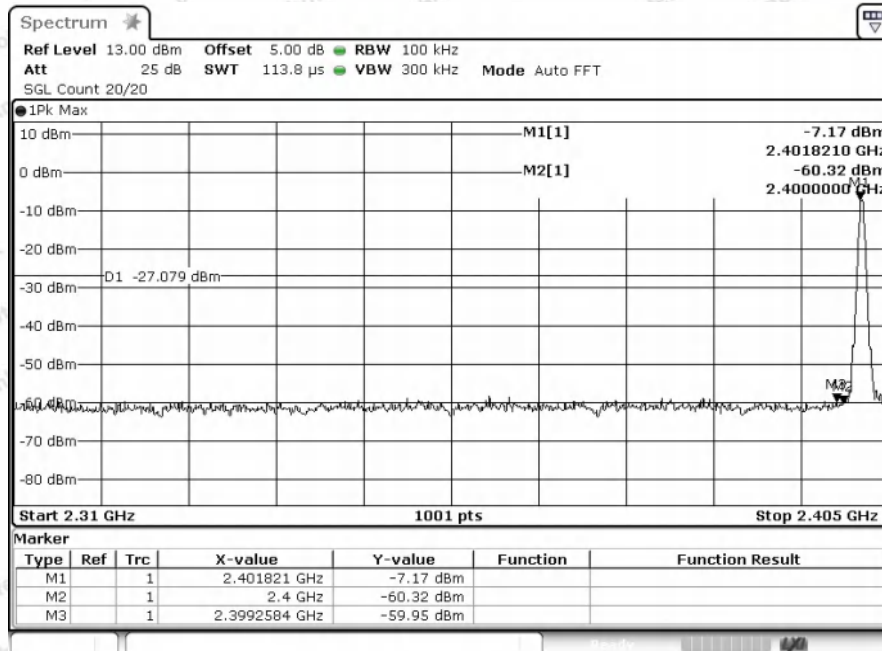


## Test Graphs

1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2402

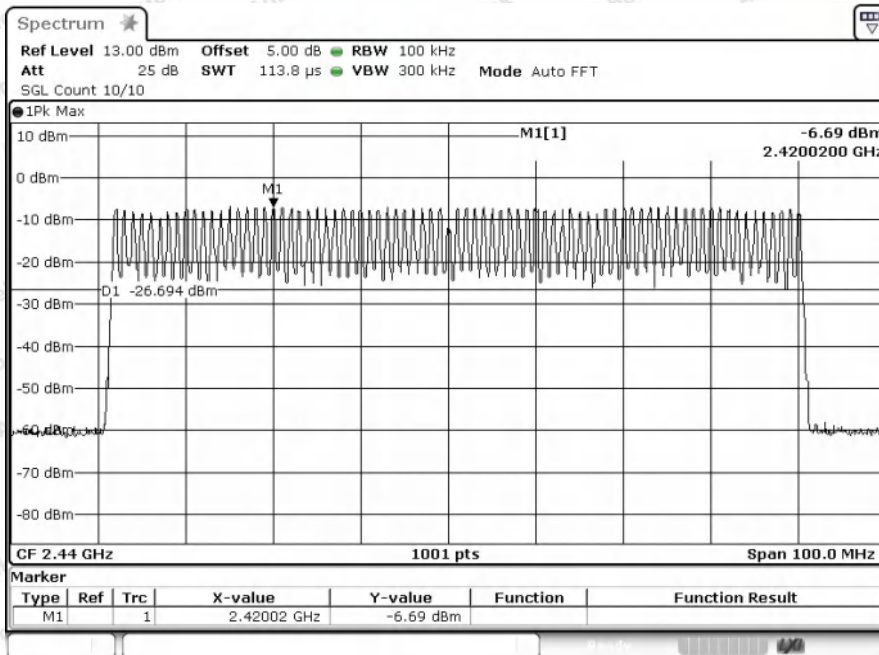


2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2402

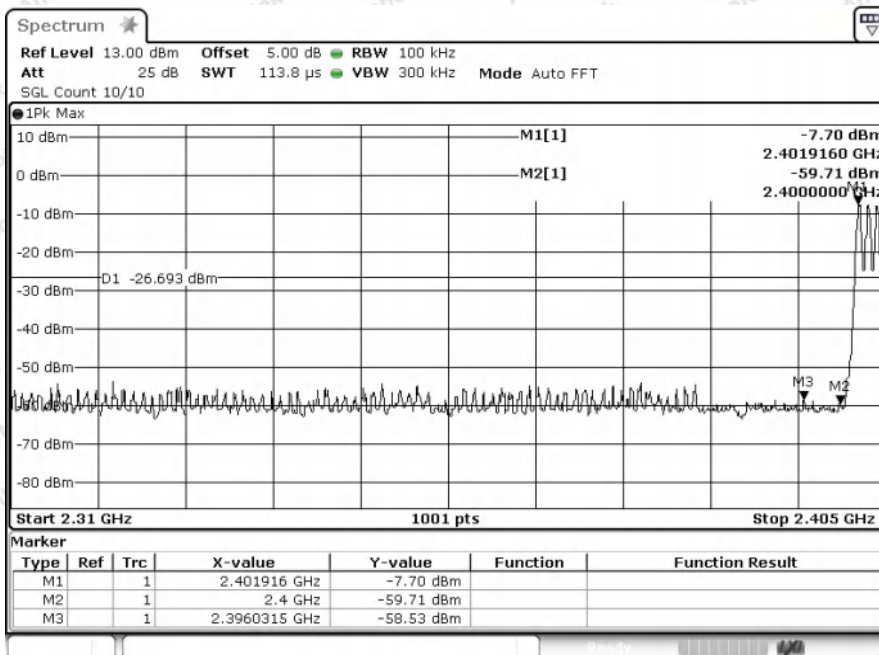


1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping



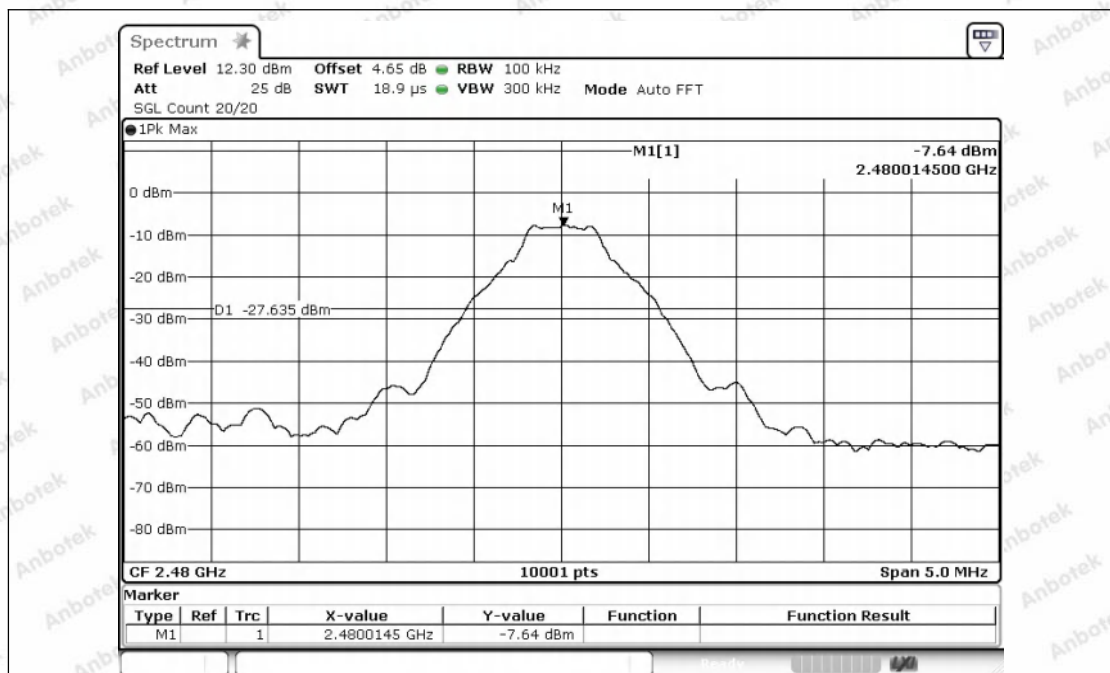


## 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping

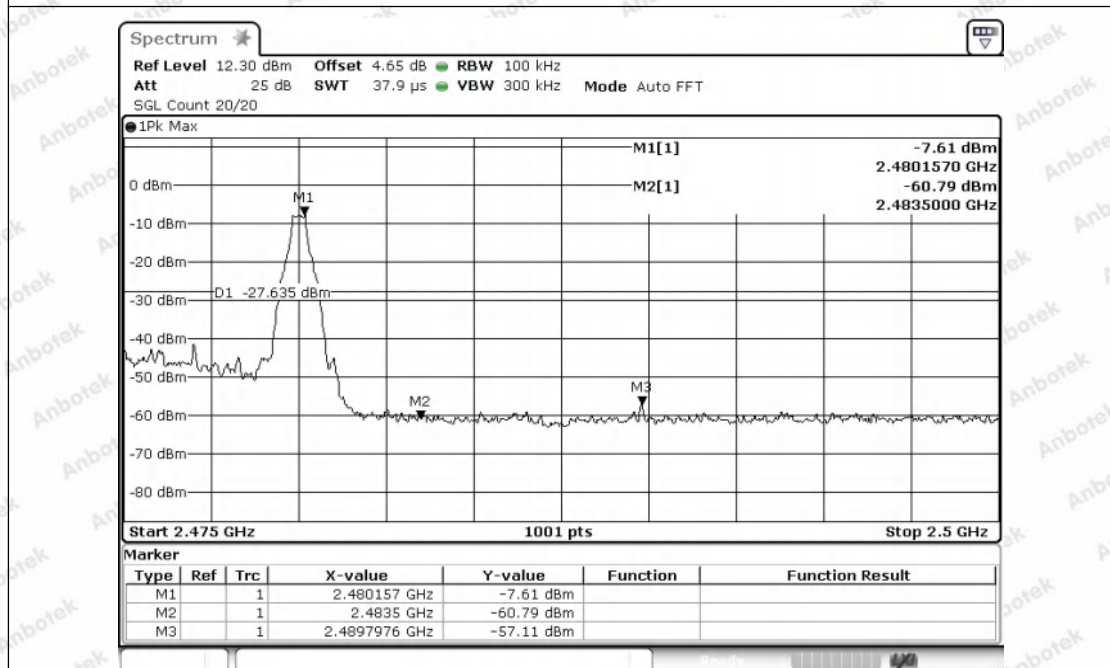


## 1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480



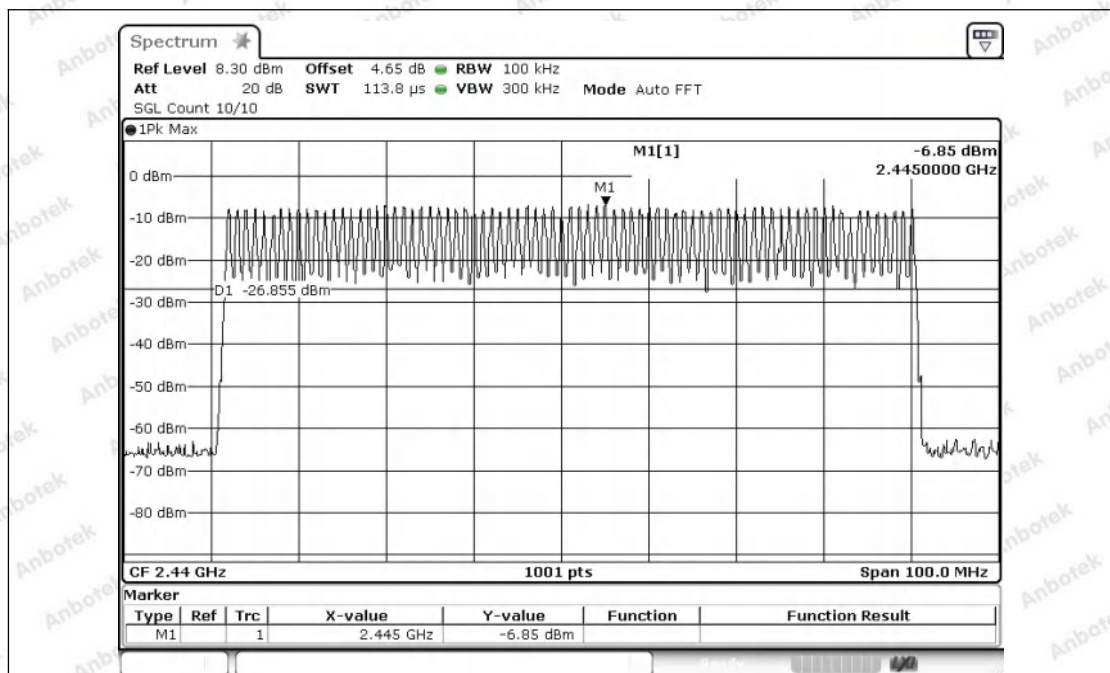


## 2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2480

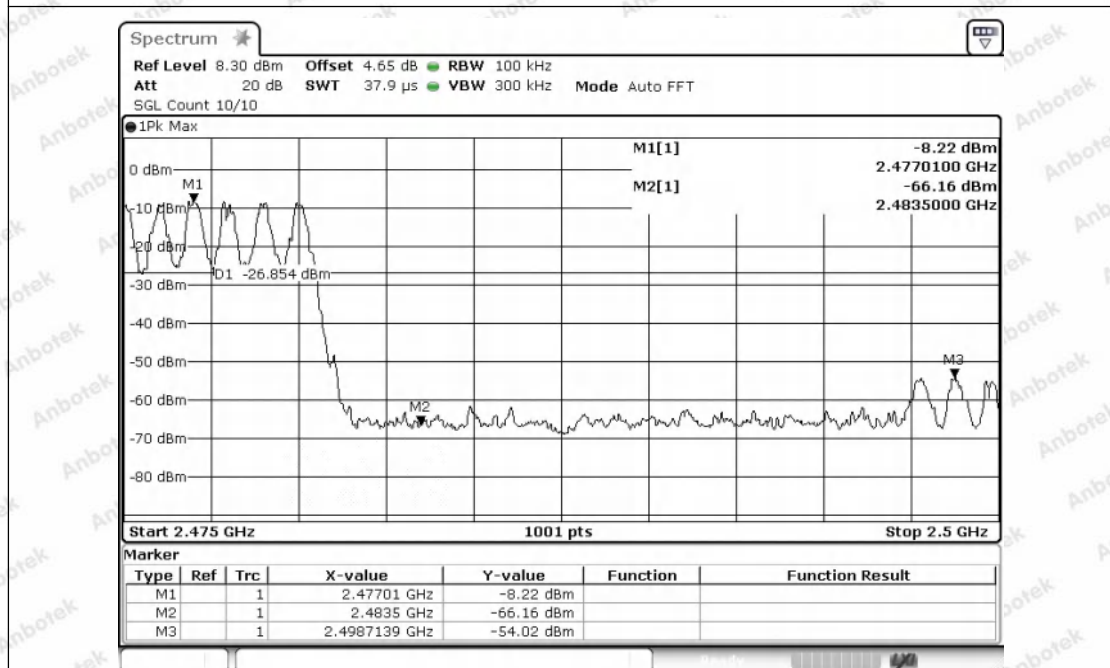


## 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping



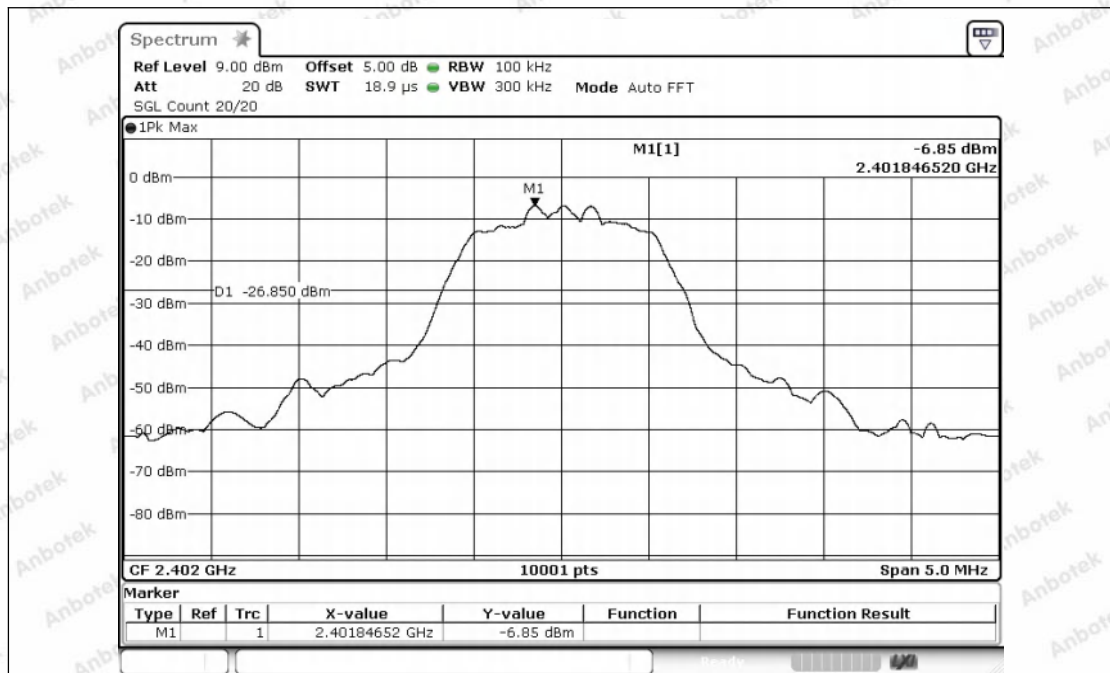


## 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping

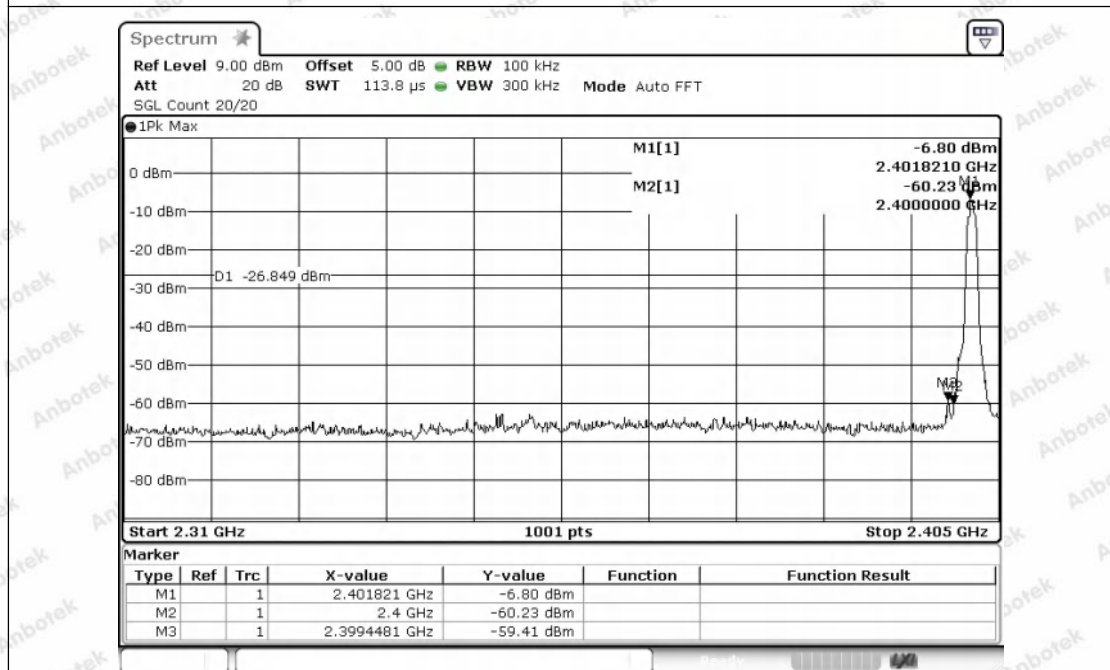


## 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2402





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



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

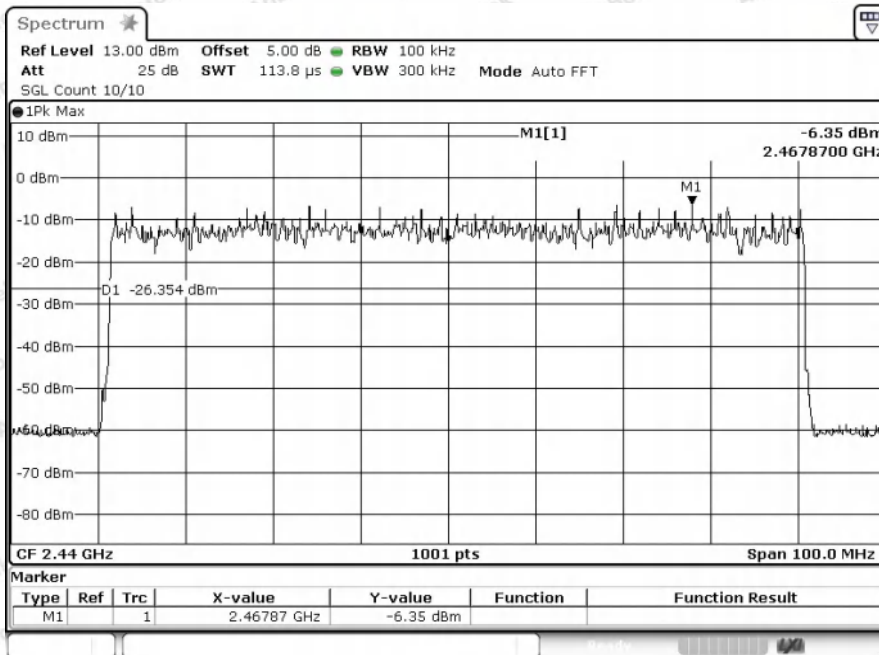
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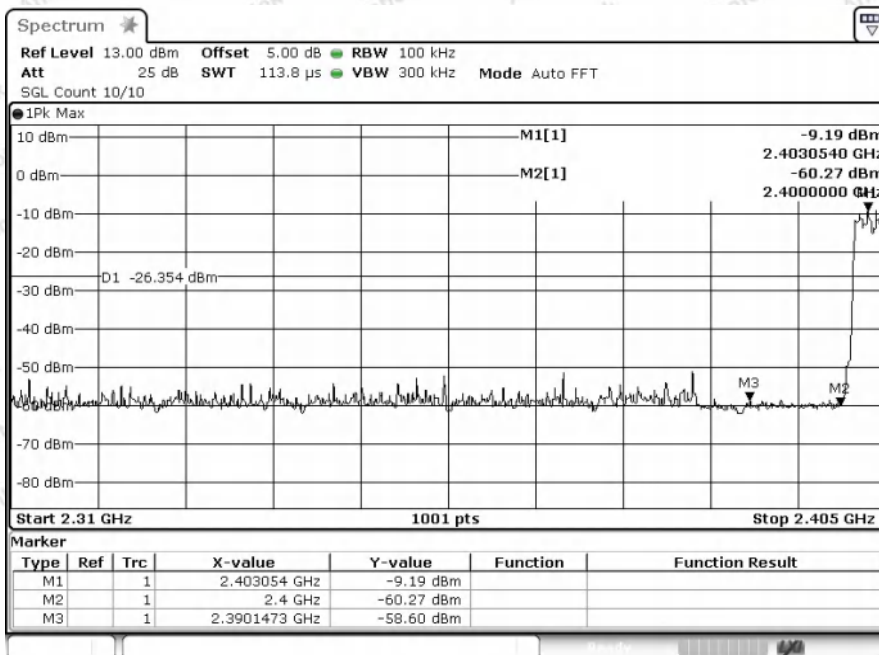


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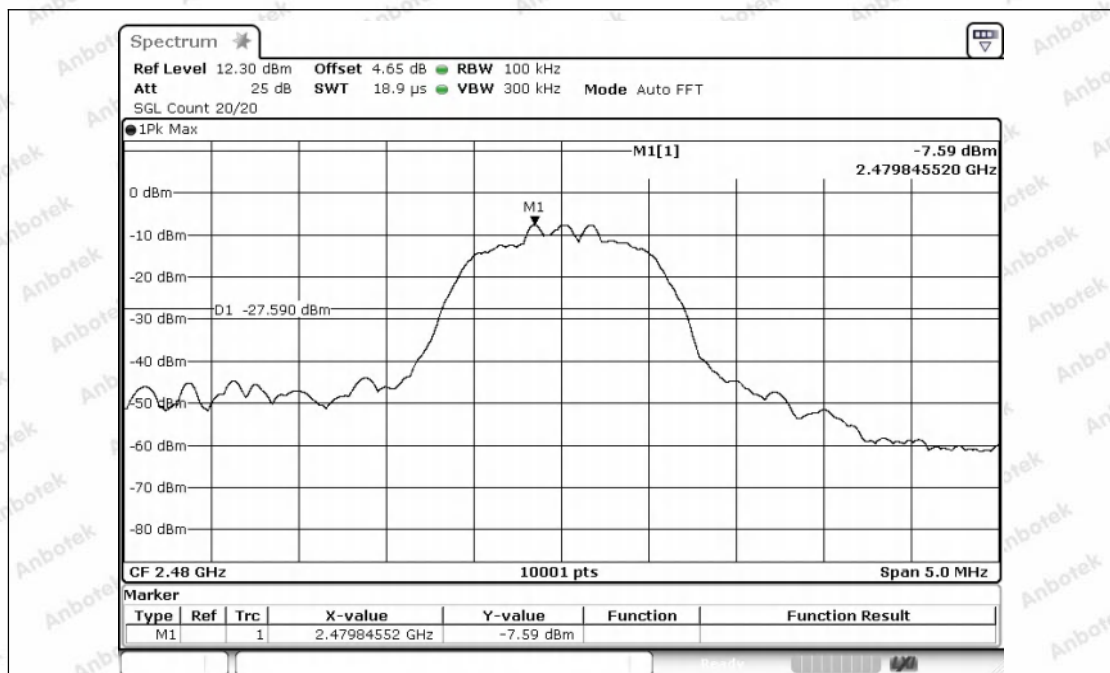


## 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping

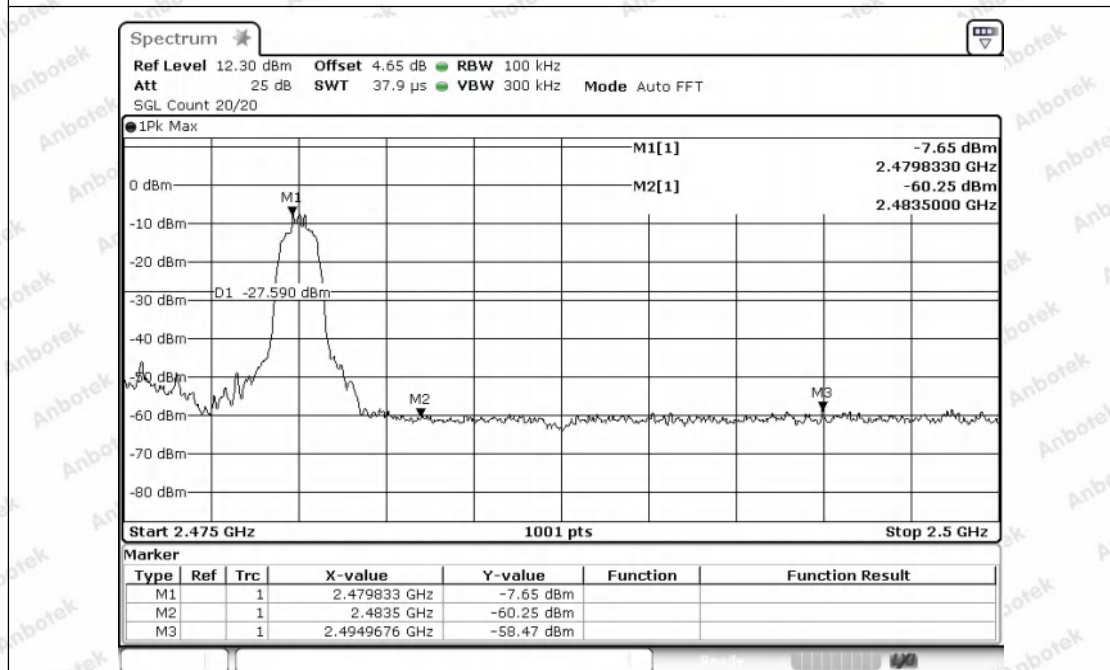


## 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2480



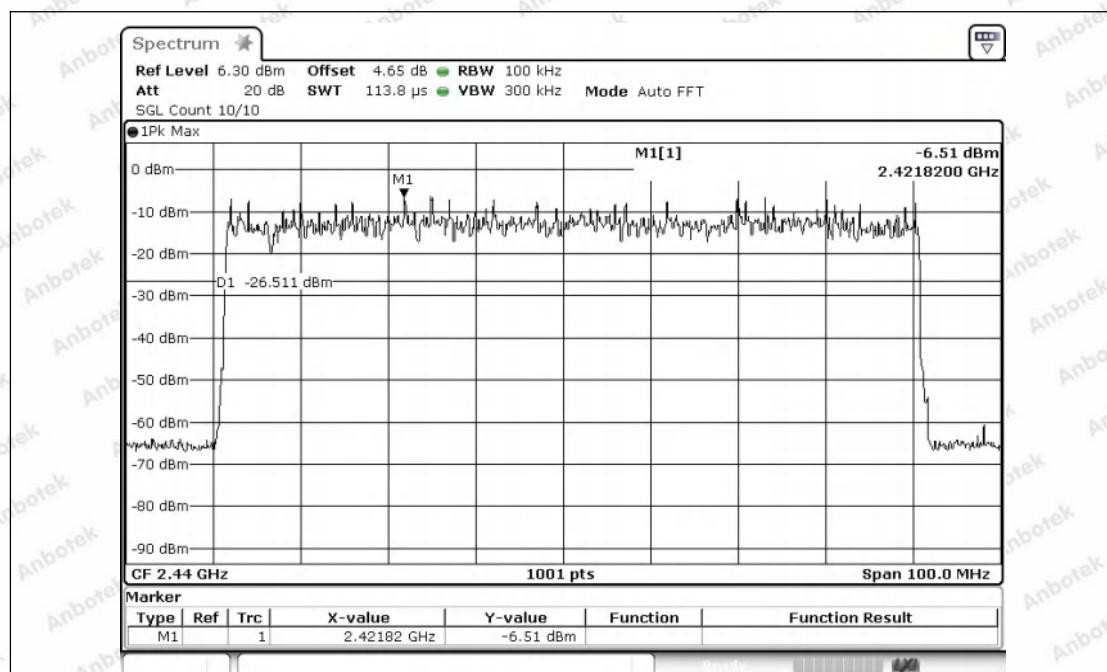


## 2\_Bandedge\_NVNT\_ANT1\_2-DH5\_2480

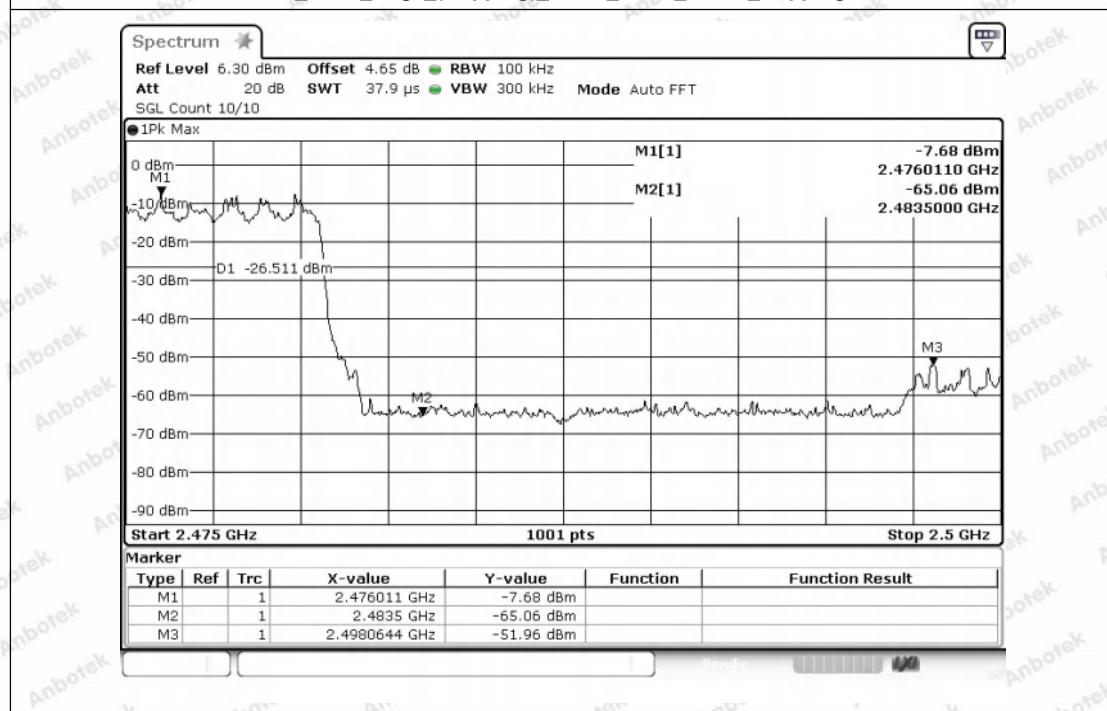


## 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH5\_Hopping





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



Appendix F: Carrier Frequencies Separation (Hopping)

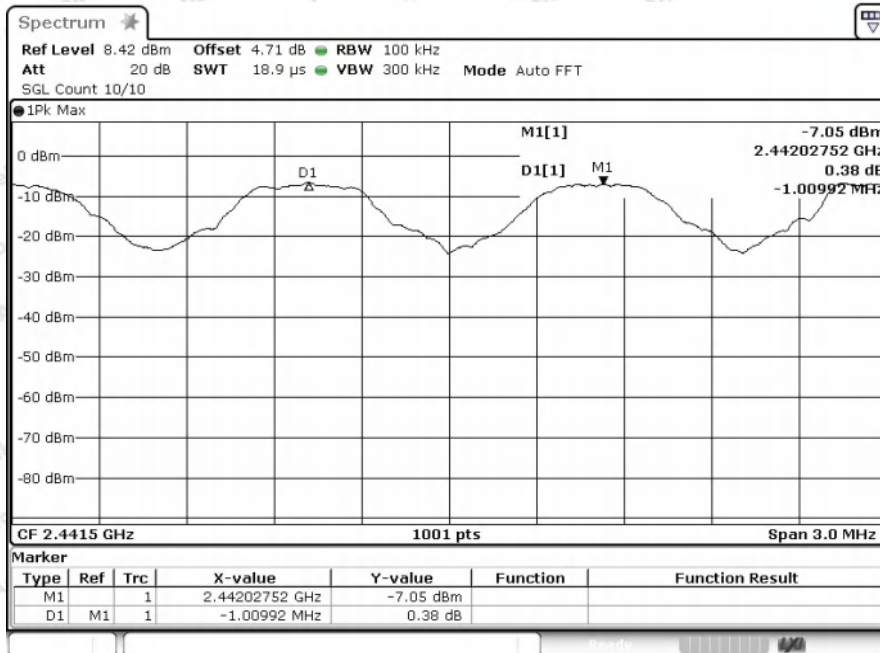
Test Result

| 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        | 2441.018           | 2442.028           | 1.01                                | 0.679      | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2441.00        | 2440.847           | 2441.848           | 1.00                                | 0.859      | Pass   |

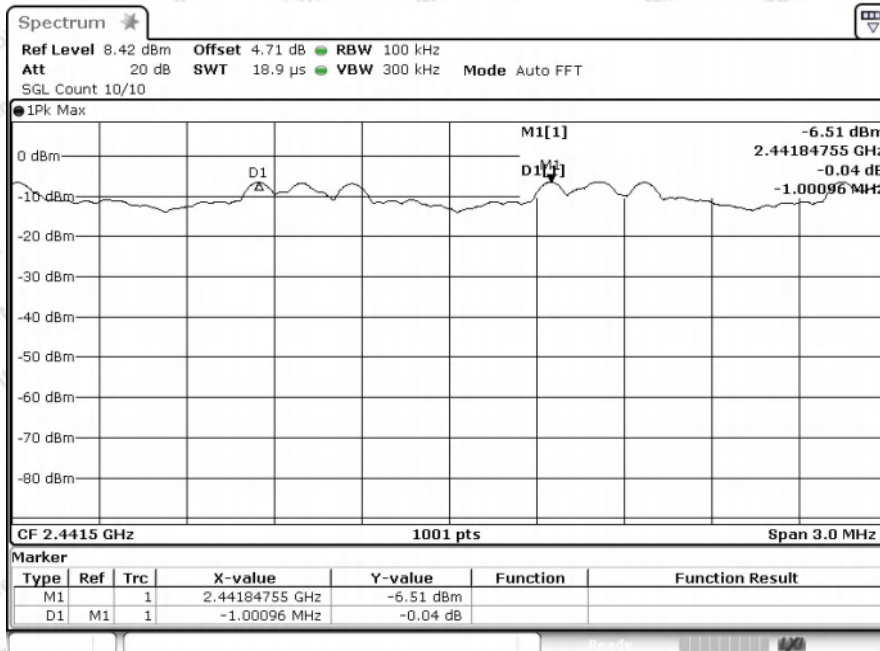


## Test Graphs

Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping



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



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

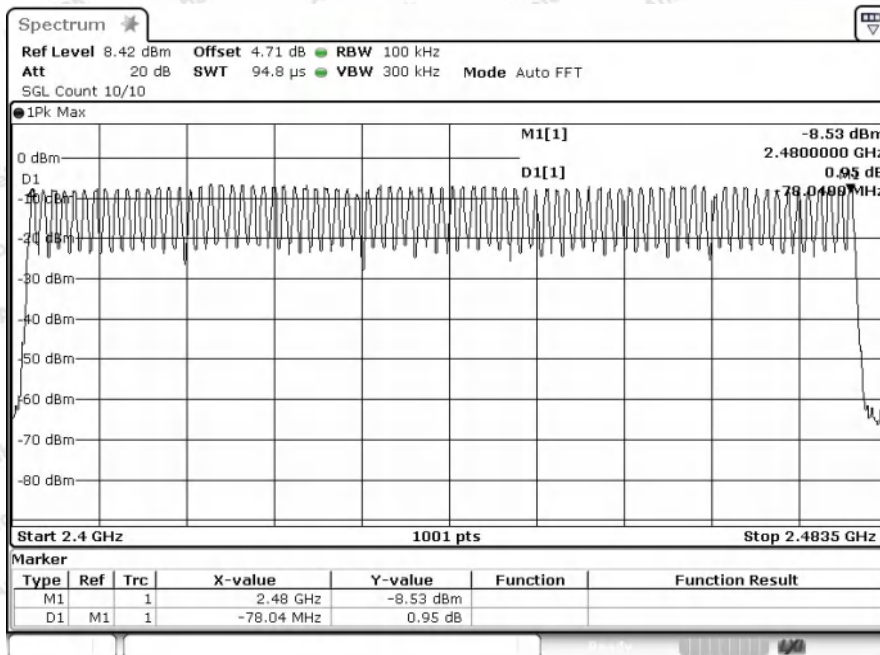
### Test Result

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

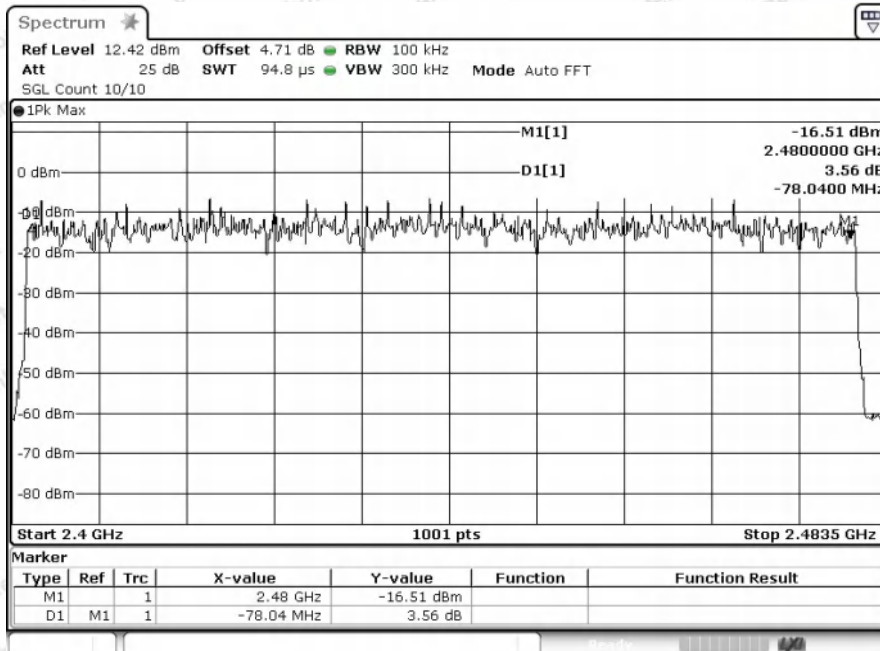


## Test Graphs

Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping



Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping



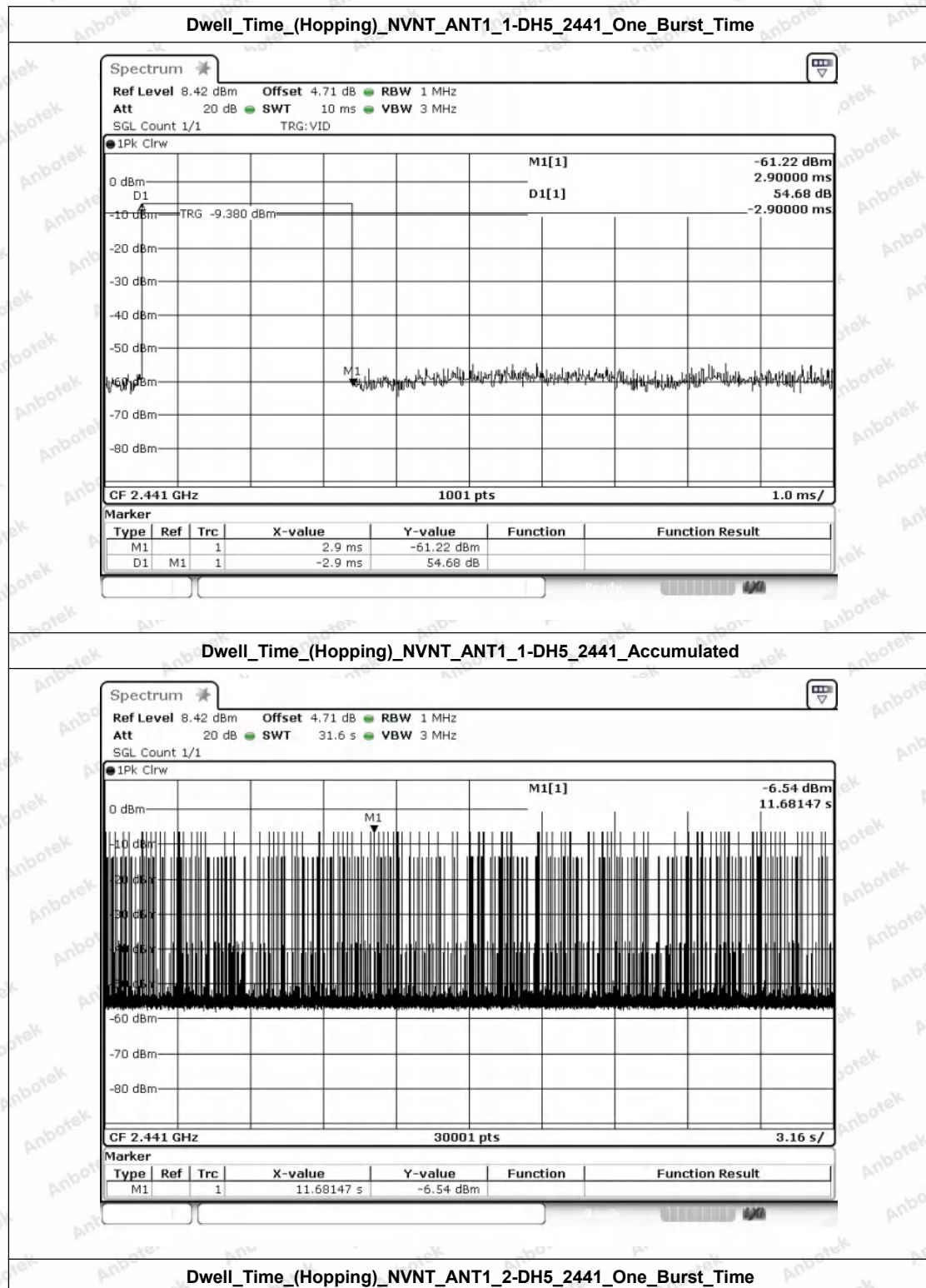
## Appendix H: Dwell Time (Hopping)

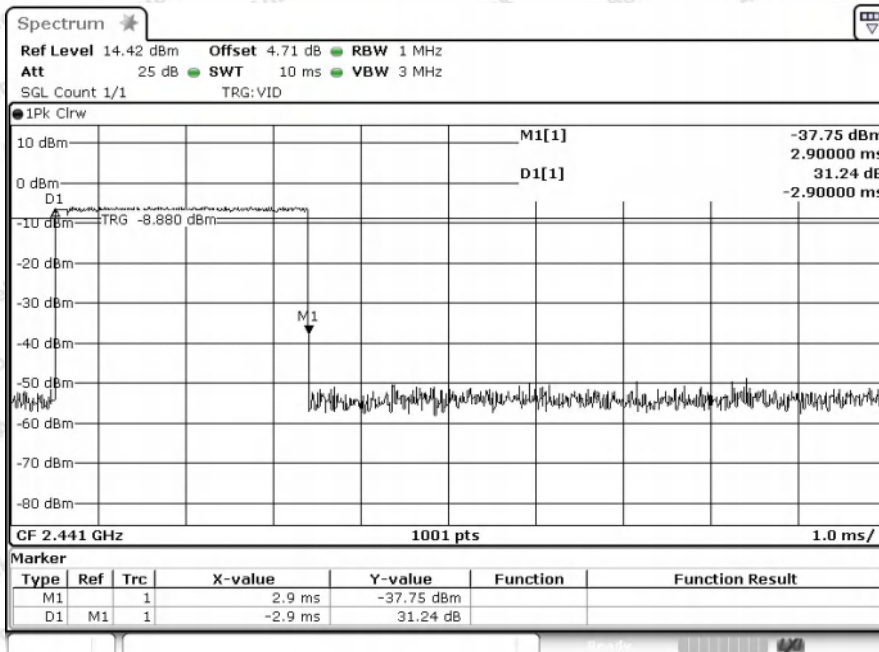
### Test Result

| Condition | Antenna | Packet Type | Pulse Time(ms) | Hops   | Dwell Time(ms) | Limit(s) | Result |
|-----------|---------|-------------|----------------|--------|----------------|----------|--------|
| NVNT      | ANT1    | 1-DH5       | 2.900          | 113.00 | 327.700        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH5       | 2.900          | 102.00 | 295.800        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH1       | 0.400          | 320.00 | 128.000        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH3       | 1.650          | 162.00 | 267.300        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH1       | 0.400          | 317.00 | 126.800        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH3       | 1.650          | 158.00 | 260.700        | 0.40     | Pass   |

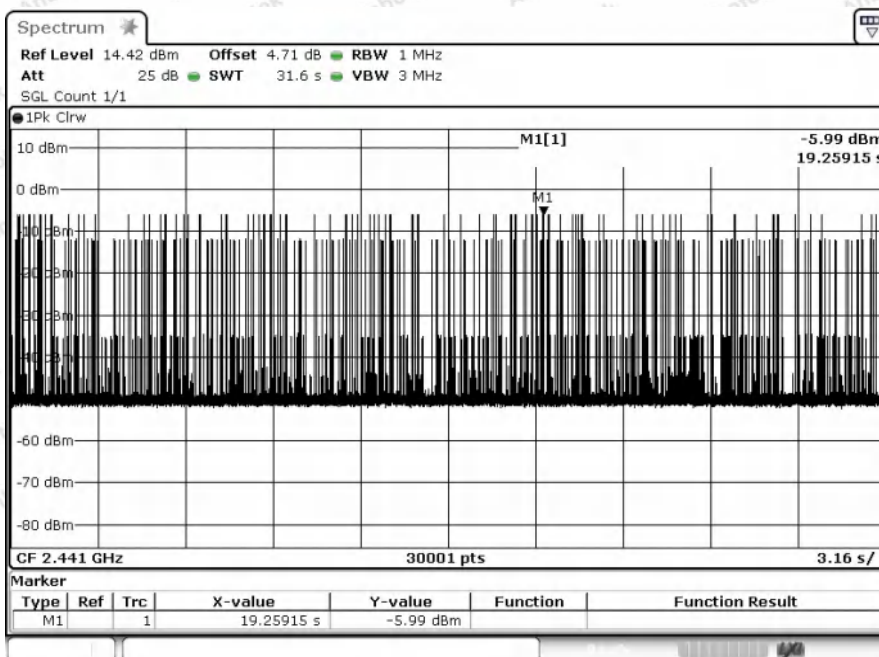


## Test Graphs



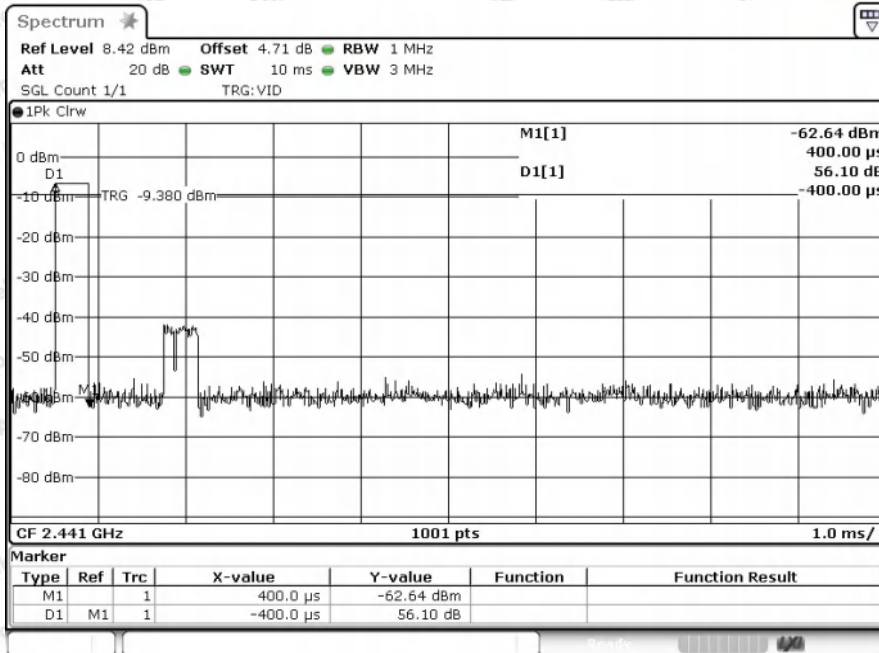


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH5\_2441\_Accumulated

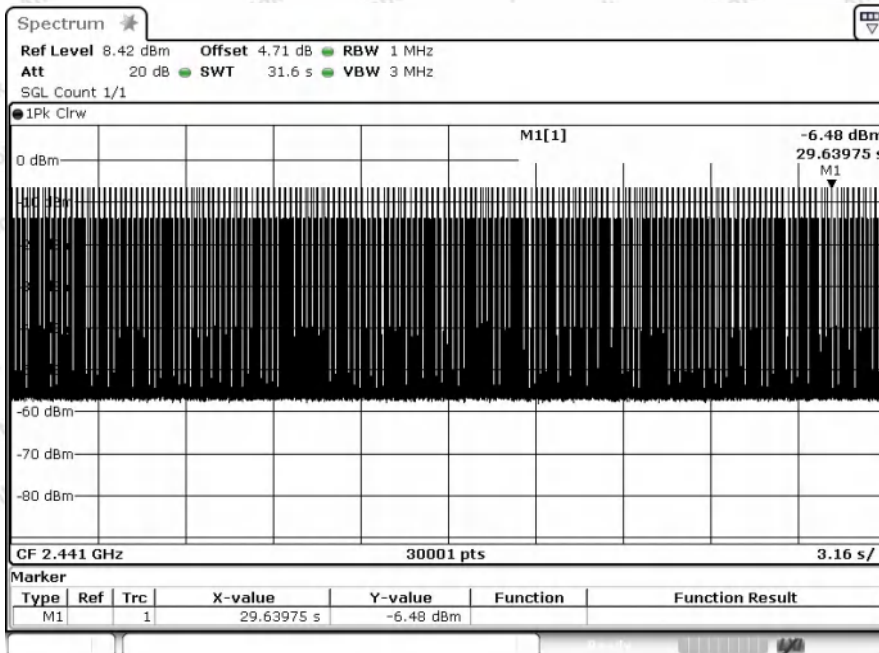


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH1\_2441\_One\_Burst\_Time



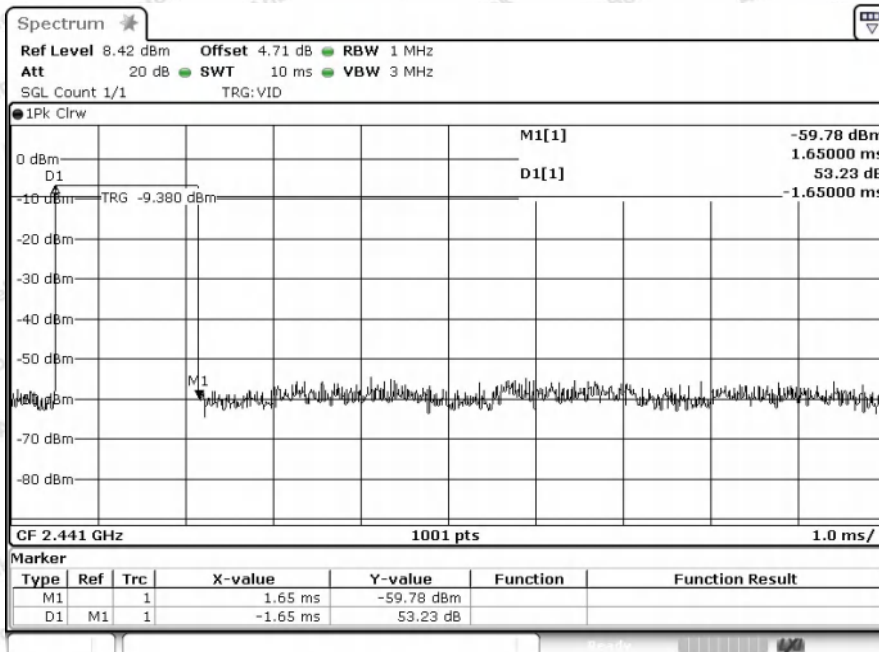


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH1\_2441\_Accumulated

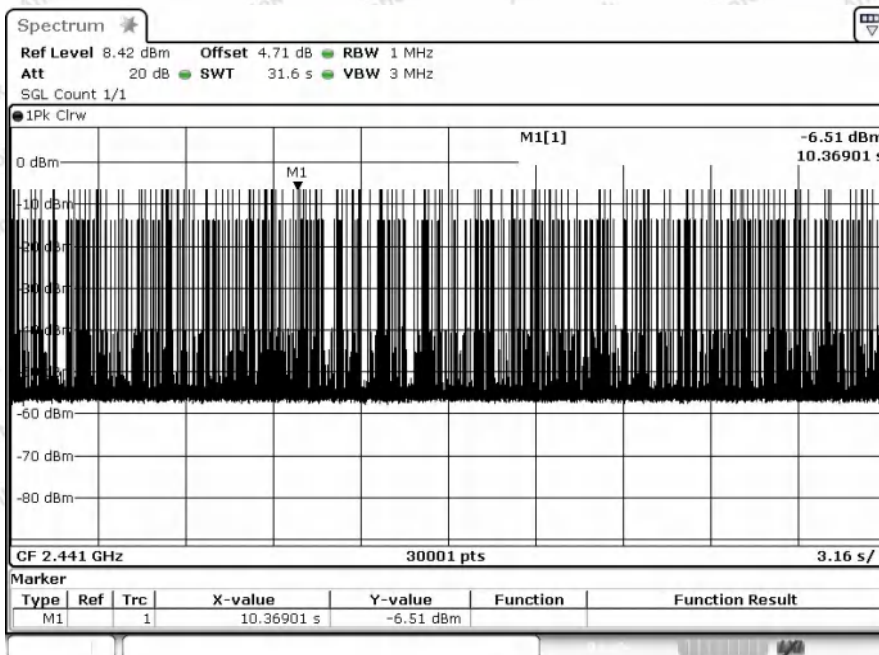


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH3\_2441\_One\_Burst\_Time



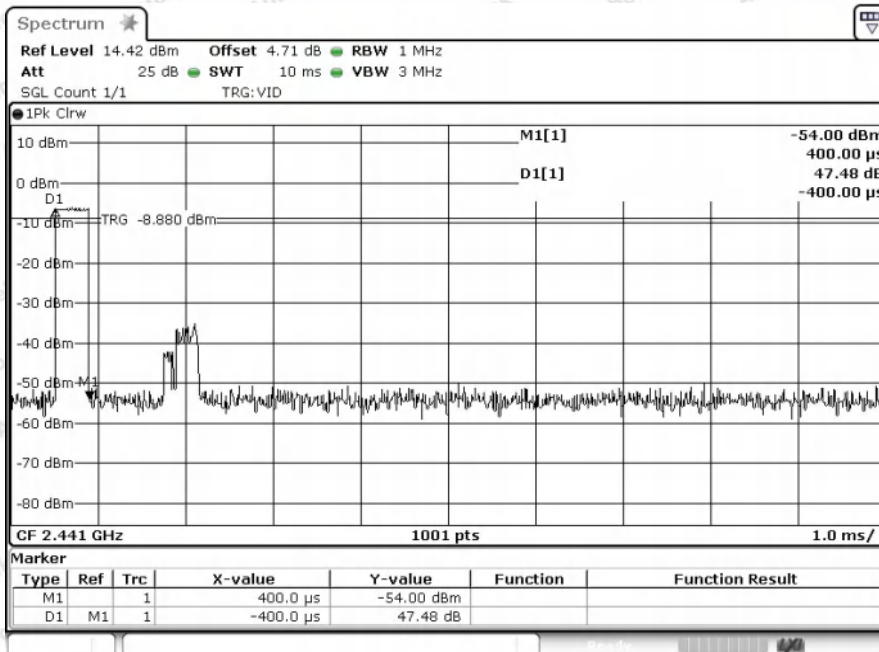


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH3\_2441\_Accumulated

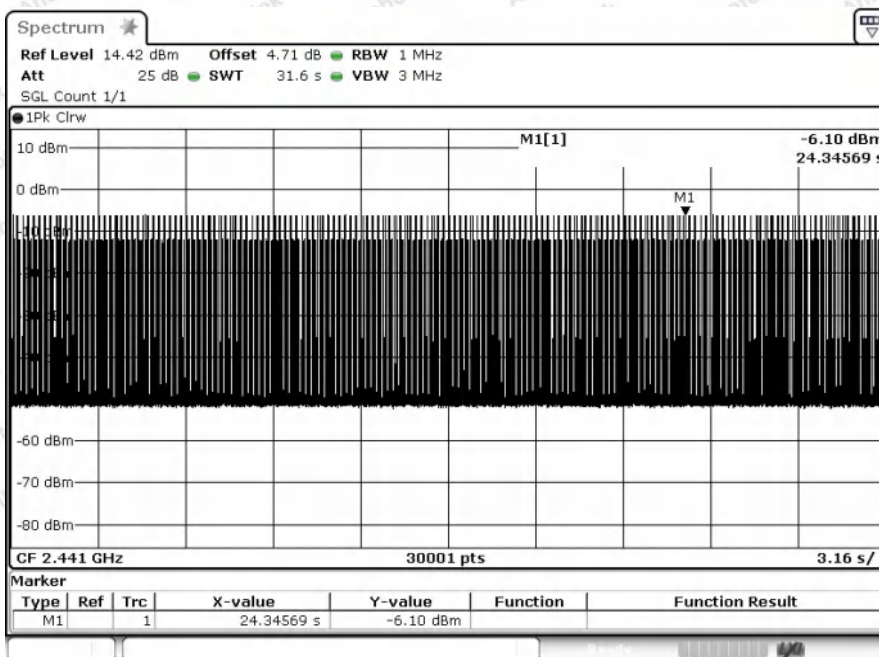


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH1\_2441\_One\_Burst\_Time



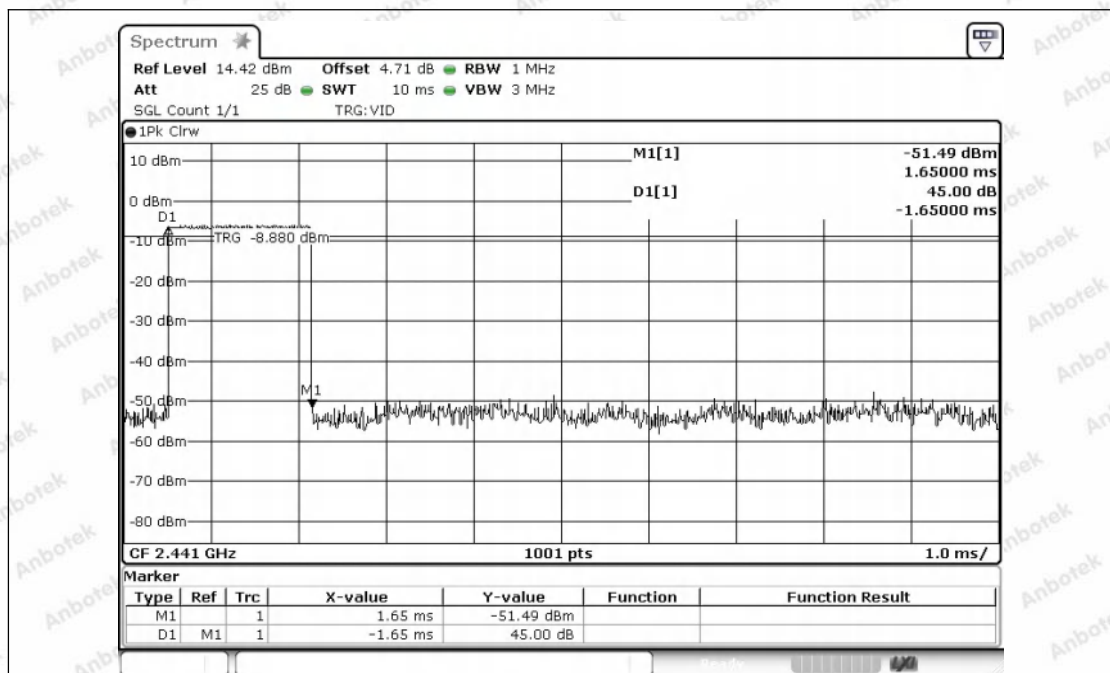


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH1\_2441\_Accumulated

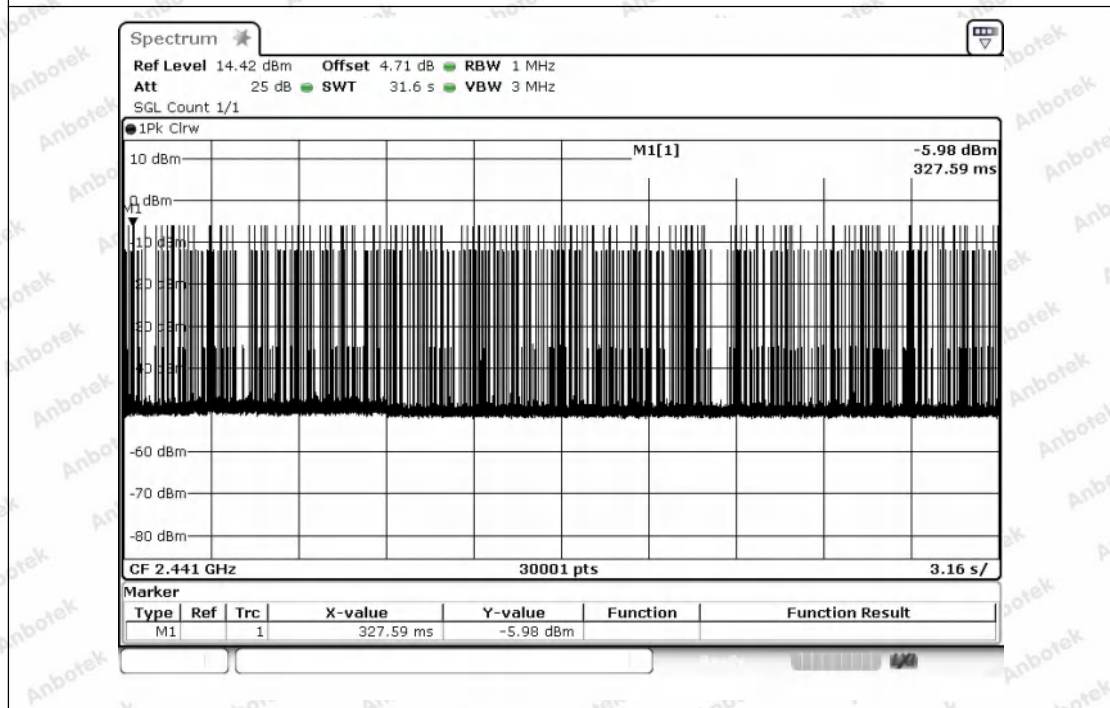


Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH3\_2441\_One\_Burst\_Time





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



---END---

