

## Appendix Test Data

|                  |                 |                    |            |
|------------------|-----------------|--------------------|------------|
| Report No.:      | 18220WC30213201 | Test Sample No.:   | 1-2-2      |
| Start Test Date: | 2023.09.28      | Finish Test Date:  | 2023.10.09 |
| Test Engineer:   | Hayman Chen     | Auditor:           | Rick Luo   |
| Temperature:     | 26.5°C          | Relative Humidity: | 53.2%      |
| Pressure:        | 101kPa          |                    |            |

## Appendix A: DTS Bandwidth

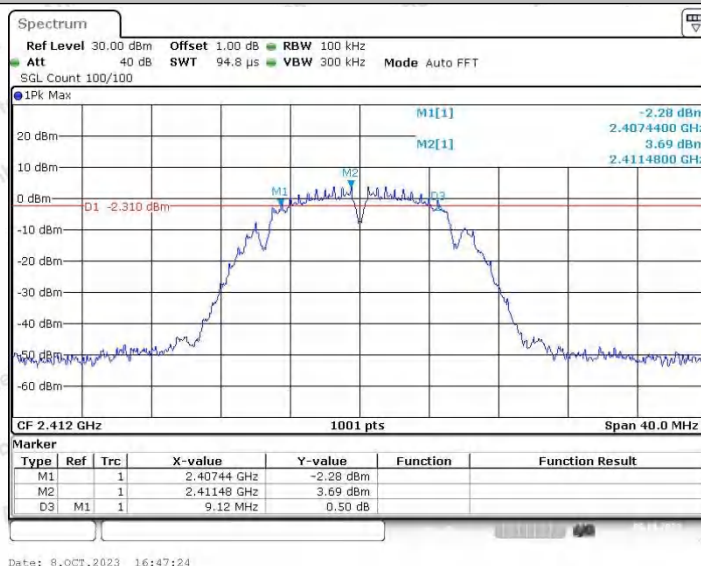
## Test Result

| Test Mode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|---------|---------|------------|---------|
| 11B       | Ant1    | 2412           | 9.12         | 2407.44 | 2416.56 | ≥0.5       | PASS    |
|           |         | 2437           | 9.56         | 2432.44 | 2442.00 | ≥0.5       | PASS    |
|           |         | 2462           | 9.12         | 2457.44 | 2466.56 | ≥0.5       | PASS    |
| 11G       | Ant1    | 2412           | 16.40        | 2403.80 | 2420.20 | ≥0.5       | PASS    |
|           |         | 2437           | 16.36        | 2428.80 | 2445.16 | ≥0.5       | PASS    |
|           |         | 2462           | 16.32        | 2453.84 | 2470.16 | ≥0.5       | PASS    |
| 11N20SISO | Ant1    | 2412           | 17.60        | 2403.20 | 2420.80 | ≥0.5       | PASS    |
|           |         | 2437           | 17.60        | 2428.20 | 2445.80 | ≥0.5       | PASS    |
|           |         | 2462           | 17.56        | 2453.20 | 2470.76 | ≥0.5       | PASS    |
| 11N40SISO | Ant1    | 2422           | 35.88        | 2404.06 | 2439.94 | ≥0.5       | PASS    |
|           |         | 2437           | 35.40        | 2419.42 | 2454.82 | ≥0.5       | PASS    |
|           |         | 2452           | 35.52        | 2434.06 | 2469.58 | ≥0.5       | PASS    |

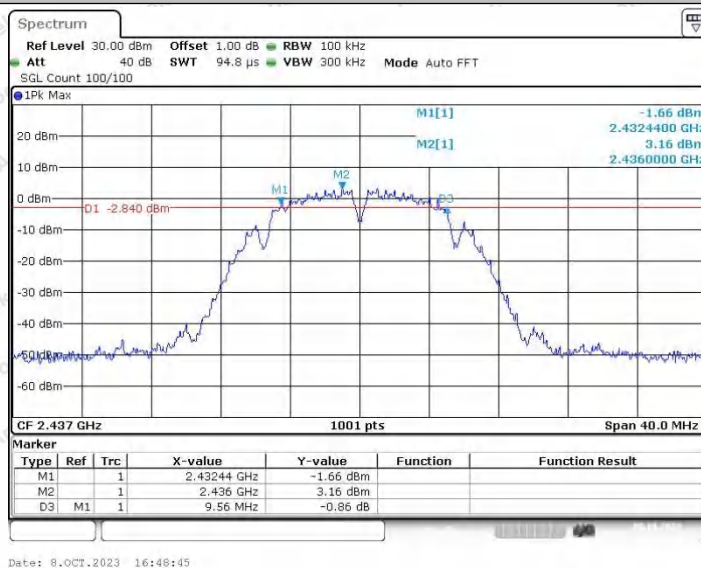


## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462

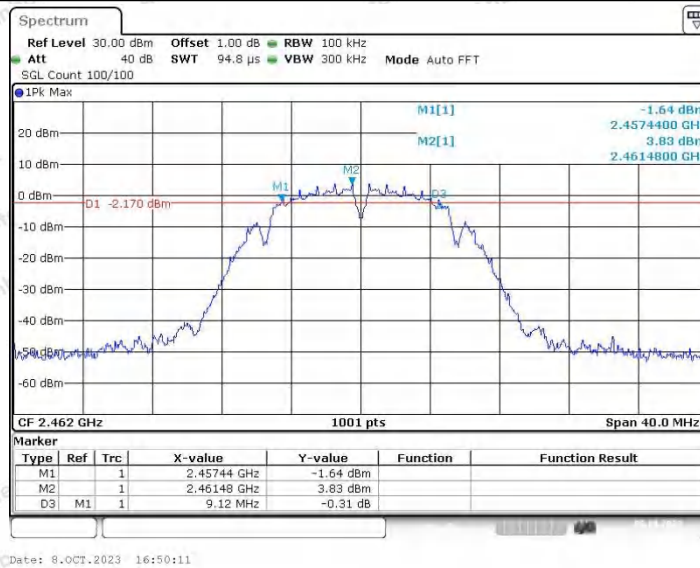
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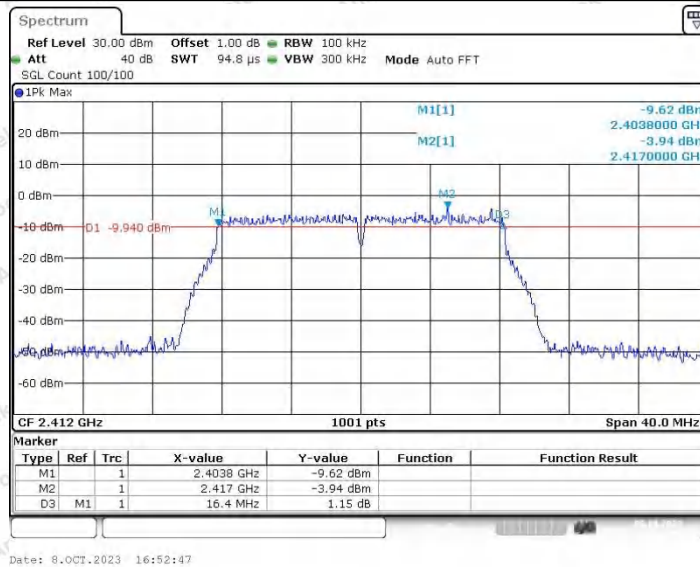


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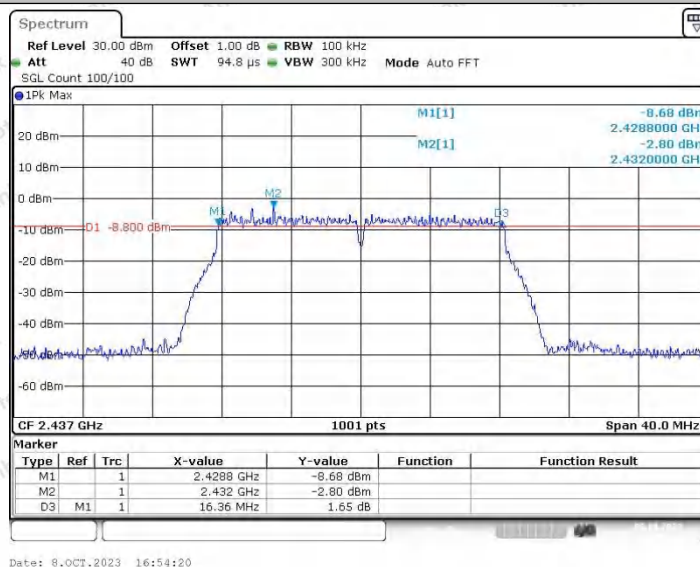




11G\_Ant1\_2412



11G\_Ant1\_2437



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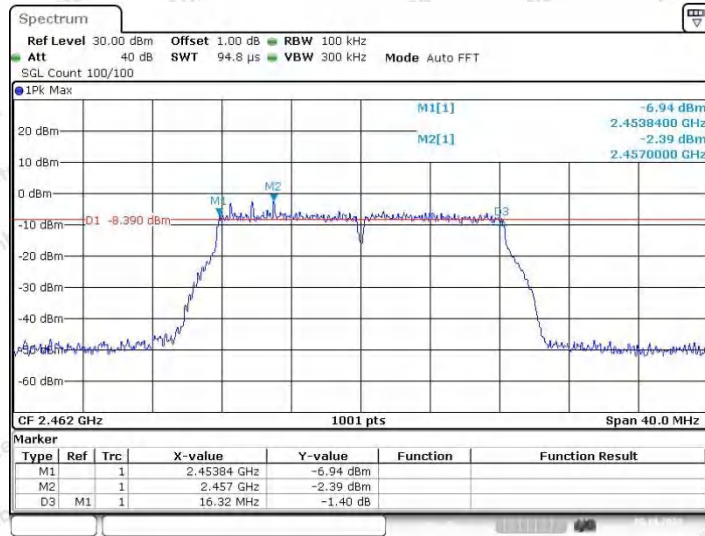
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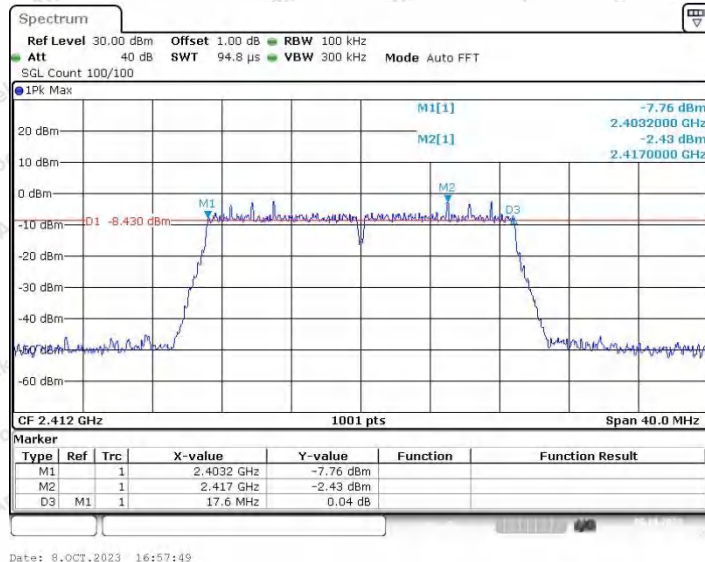
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## 11G\_Ant1\_2462



## 11N20SISO\_Ant1\_2412



## 11N20SISO\_Ant1\_2437

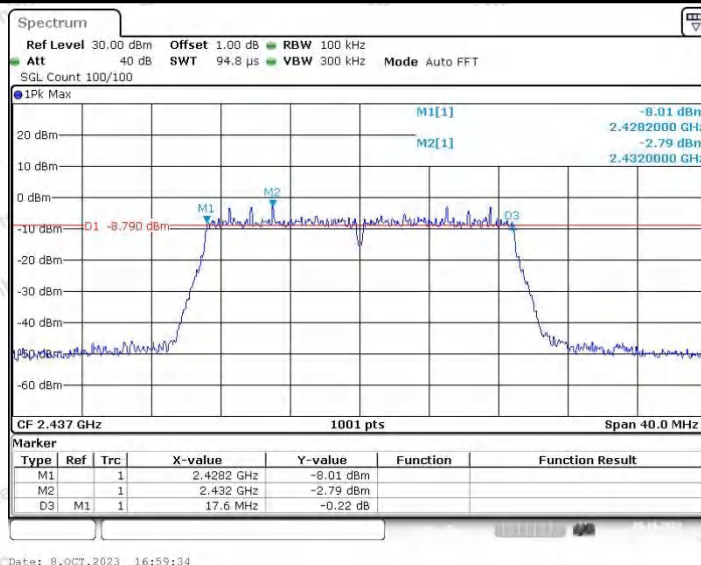
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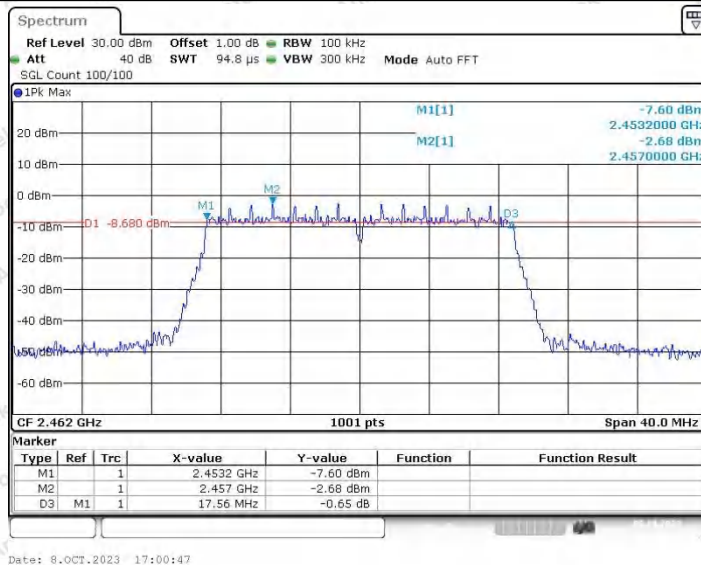


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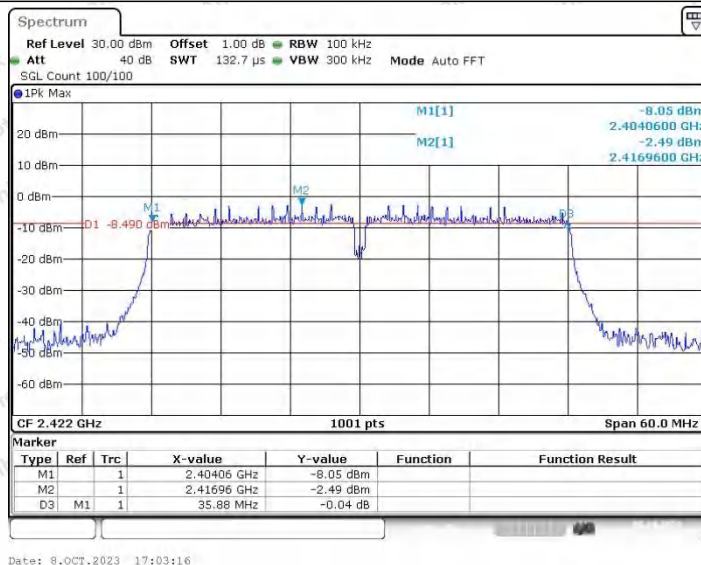




11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422



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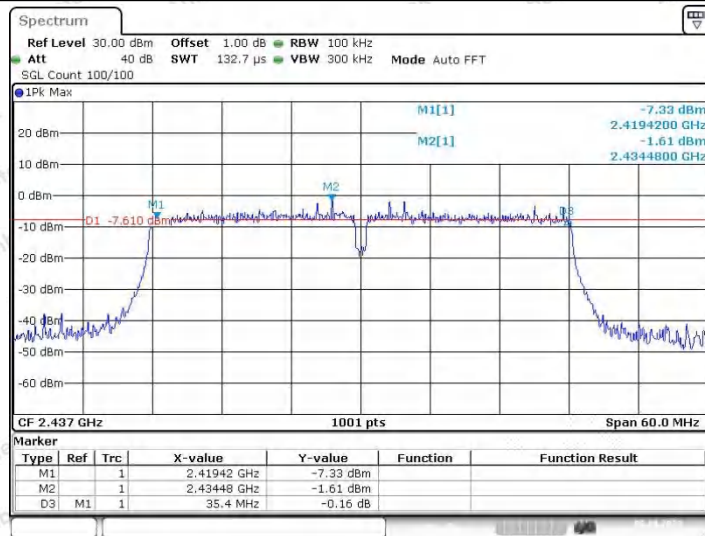
Hotline

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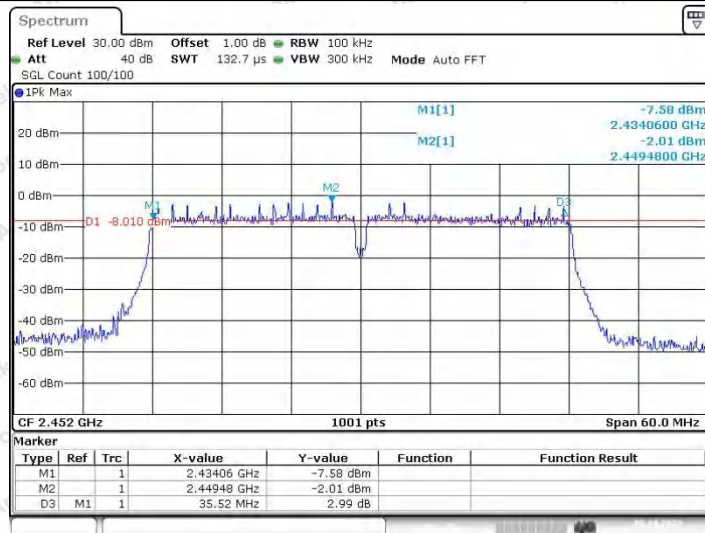
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## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



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## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|-----------|---------|----------------|-----------|-----------|-----------|
| 11B       | Ant1    | 2412           | 12.308    | 2405.8861 | 2418.1938 |
|           |         | 2437           | 12.348    | 2430.8462 | 2443.1938 |
|           |         | 2462           | 12.348    | 2455.8462 | 2468.1938 |
| 11G       | Ant1    | 2412           | 17.263    | 2403.4086 | 2420.6713 |
|           |         | 2437           | 17.303    | 2428.3287 | 2445.6314 |
|           |         | 2462           | 17.303    | 2453.3287 | 2470.6314 |
| 11N20SISO | Ant1    | 2412           | 18.062    | 2402.9690 | 2421.0310 |
|           |         | 2437           | 17.982    | 2428.0490 | 2446.0310 |
|           |         | 2462           | 18.062    | 2452.9690 | 2471.0310 |
| 11N40SISO | Ant1    | 2422           | 36.444    | 2403.8581 | 2440.3017 |
|           |         | 2437           | 36.364    | 2418.8581 | 2455.2218 |
|           |         | 2452           | 36.523    | 2433.7782 | 2470.3017 |



## Test Graphs



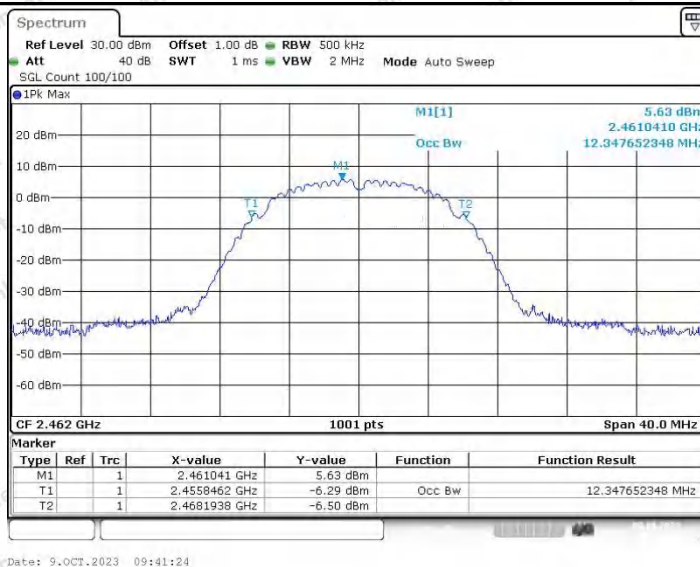
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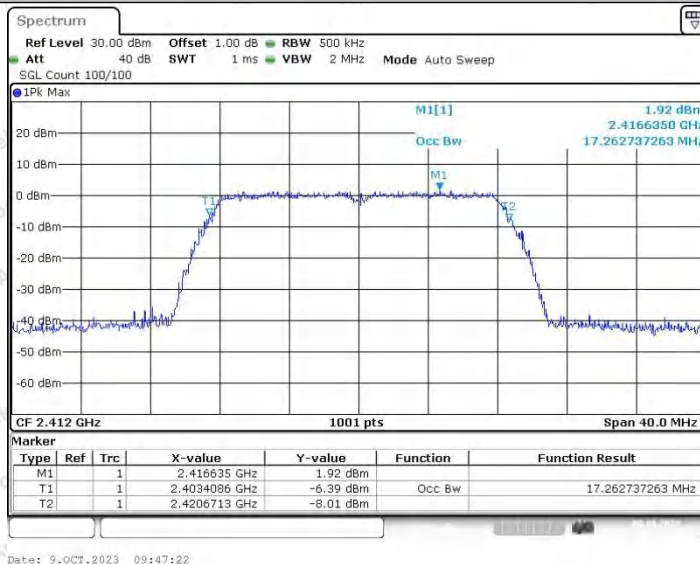


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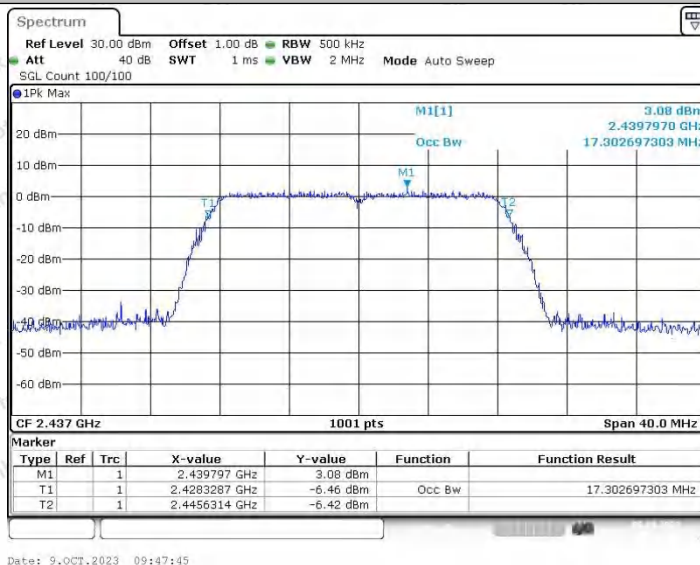




## 11G\_Ant1\_2412



## 11G\_Ant1\_2437



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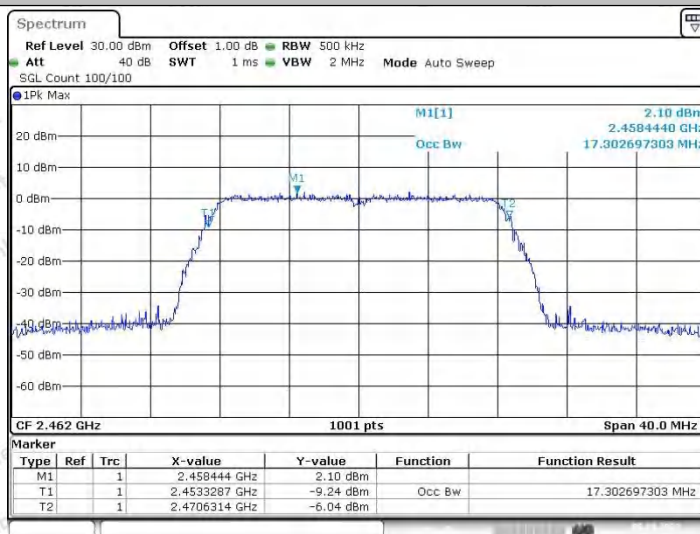
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



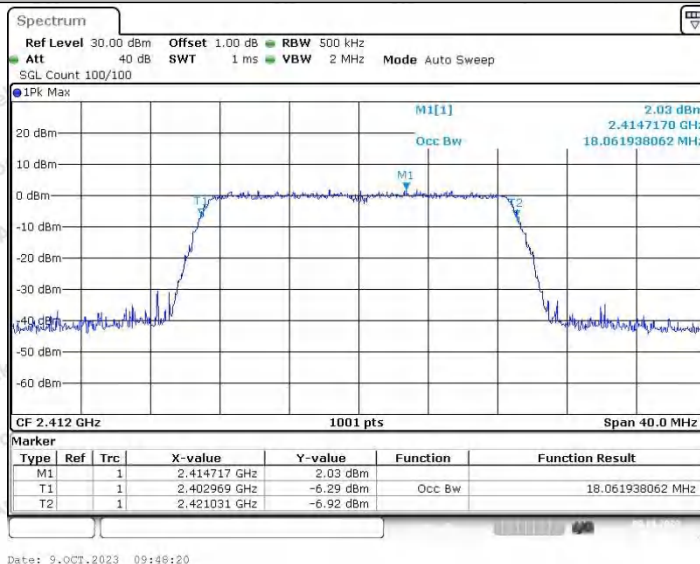
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## 11G\_Ant1\_2462



## 11N20SISO\_Ant1\_2412



## 11N20SISO\_Ant1\_2437

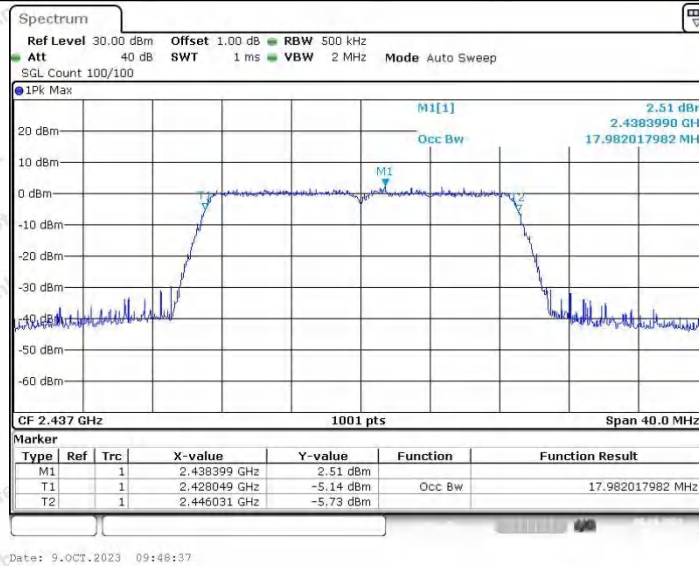
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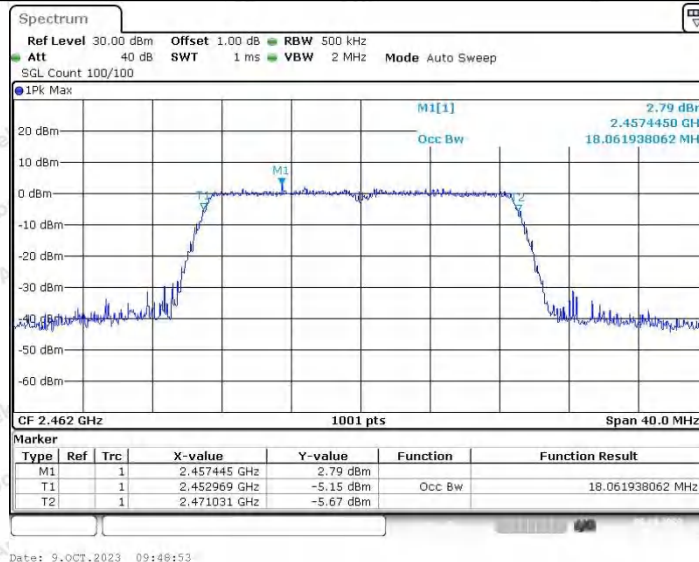


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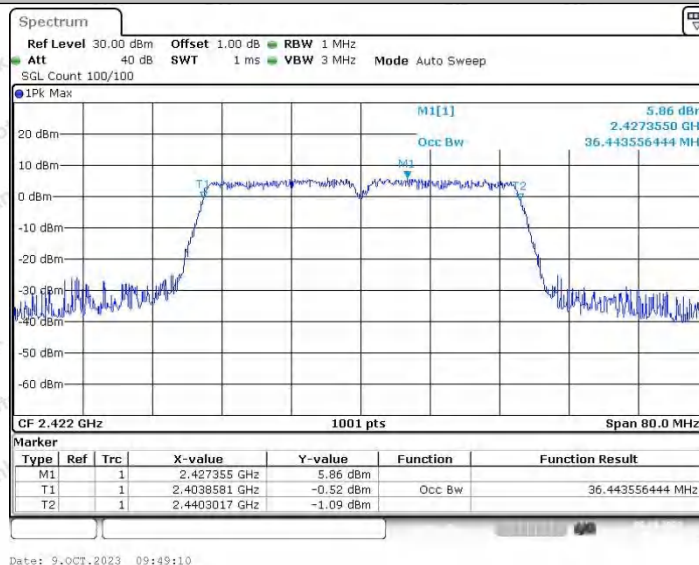




## 11N20SISO\_Ant1\_2462



## 11N40SISO\_Ant1\_2422



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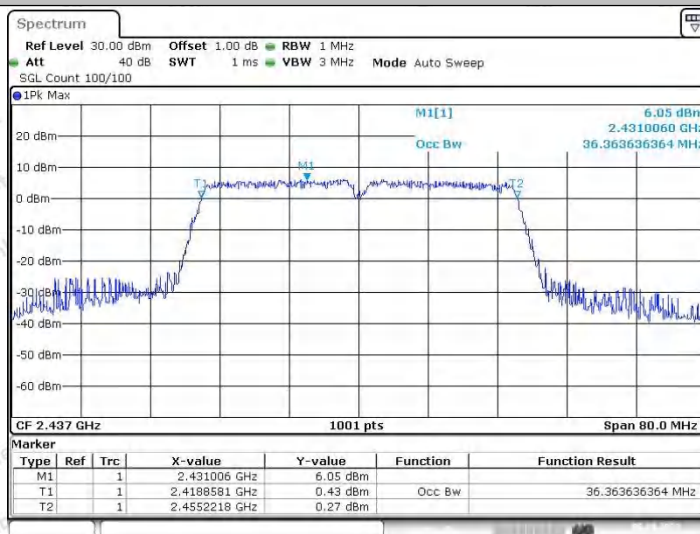
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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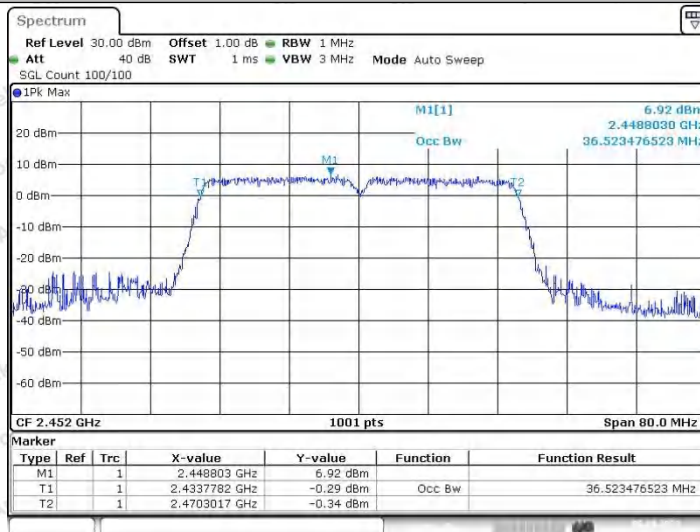
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## 11N40SISO\_Ant1\_2437



## 11N40SISO\_Ant1\_2452



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## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] |
|-----------|---------|----------------|-----------------|----------------------|
| 11B       | Ant1    | 2412           | 16.52           | ≤30.00               |
|           |         | 2437           | 16.97           | ≤30.00               |
|           |         | 2462           | 17.02           | ≤30.00               |
| 11G       | Ant1    | 2412           | 16.11           | ≤30.00               |
|           |         | 2437           | 16.63           | ≤30.00               |
|           |         | 2462           | 16.25           | ≤30.00               |
| 11N20SISO | Ant1    | 2412           | 16.59           | ≤30.00               |
|           |         | 2437           | 16.15           | ≤30.00               |
|           |         | 2462           | 16.26           | ≤30.00               |
| 11N40SISO | Ant1    | 2422           | 16.91           | ≤30.00               |
|           |         | 2437           | <b>17.40</b>    | ≤30.00               |
|           |         | 2452           | 16.93           | ≤30.00               |



## Appendix D: Maximum power spectral density

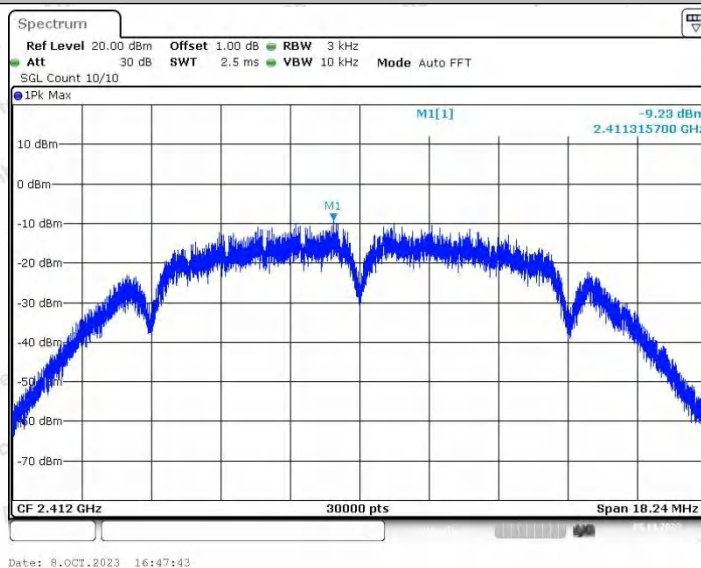
### Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -9.23            | ≤8.00           | PASS    |
|           |         | 2437           | -9.99            | ≤8.00           | PASS    |
|           |         | 2462           | -9.42            | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -17.03           | ≤8.00           | PASS    |
|           |         | 2437           | -17.21           | ≤8.00           | PASS    |
|           |         | 2462           | -17.65           | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -16.21           | ≤8.00           | PASS    |
|           |         | 2437           | -17.17           | ≤8.00           | PASS    |
|           |         | 2462           | -17.35           | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | -16.01           | ≤8.00           | PASS    |
|           |         | 2437           | -15.44           | ≤8.00           | PASS    |
|           |         | 2452           | -16.57           | ≤8.00           | PASS    |

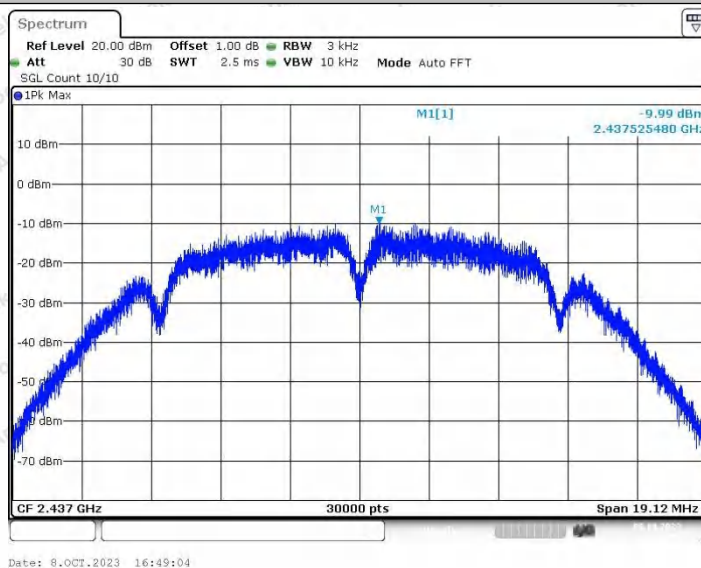


## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462

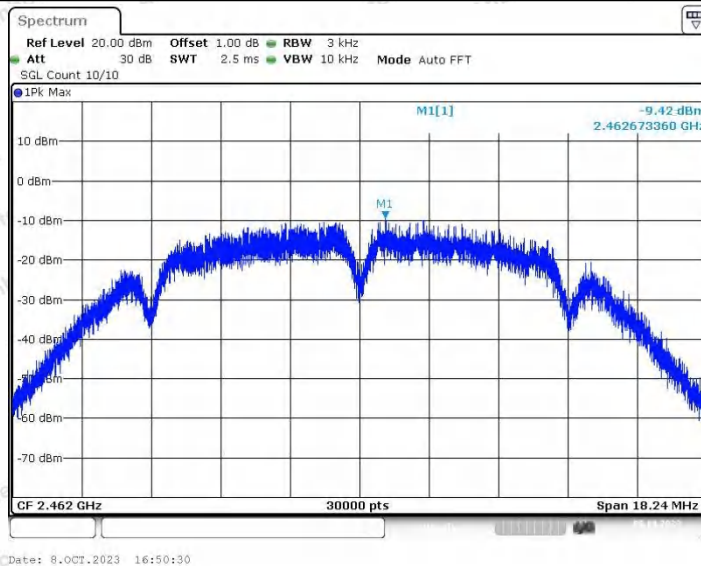
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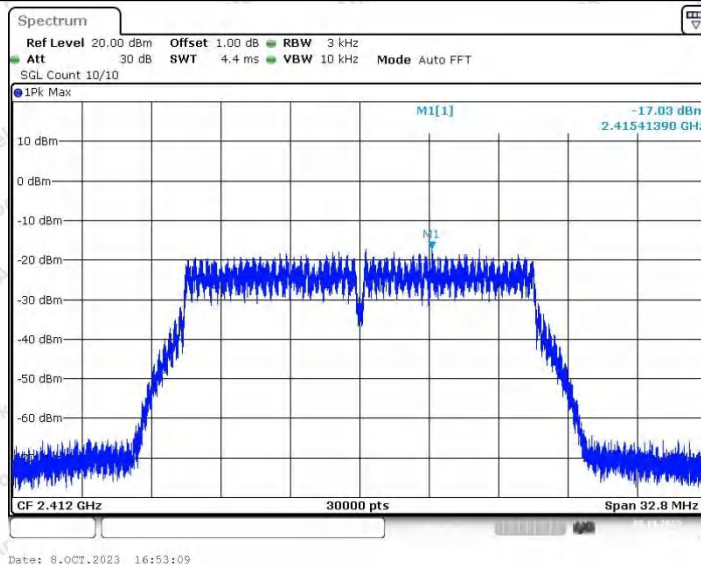


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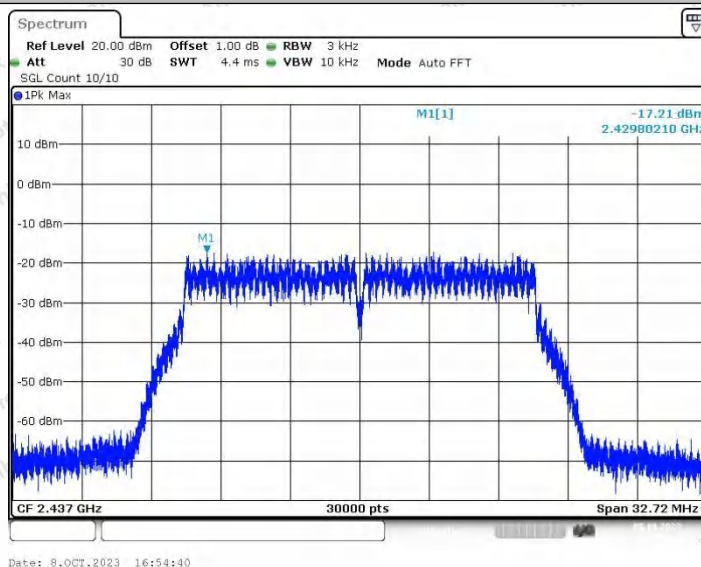




11G\_Ant1\_2412



11G\_Ant1\_2437

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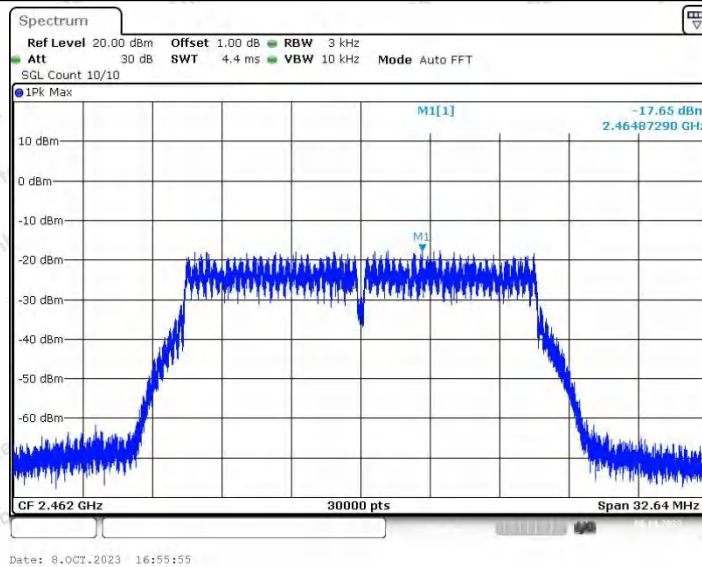
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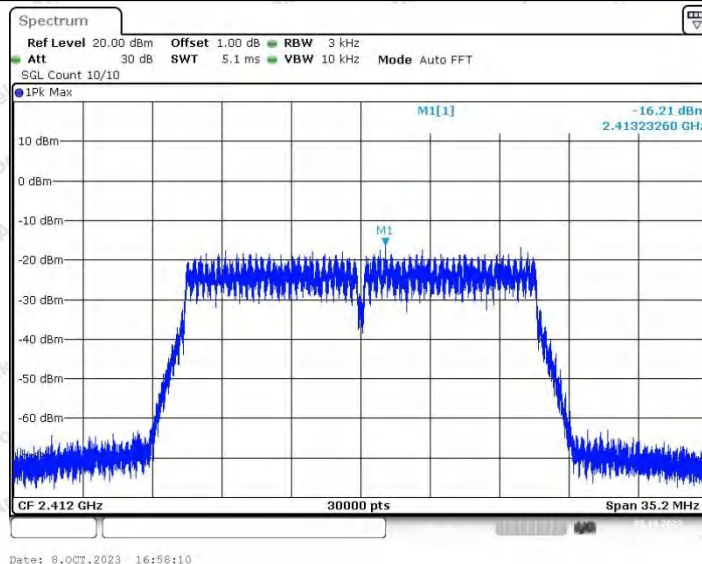
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## 11G\_Ant1\_2462



## 11N20SISO\_Ant1\_2412



## 11N20SISO\_Ant1\_2437

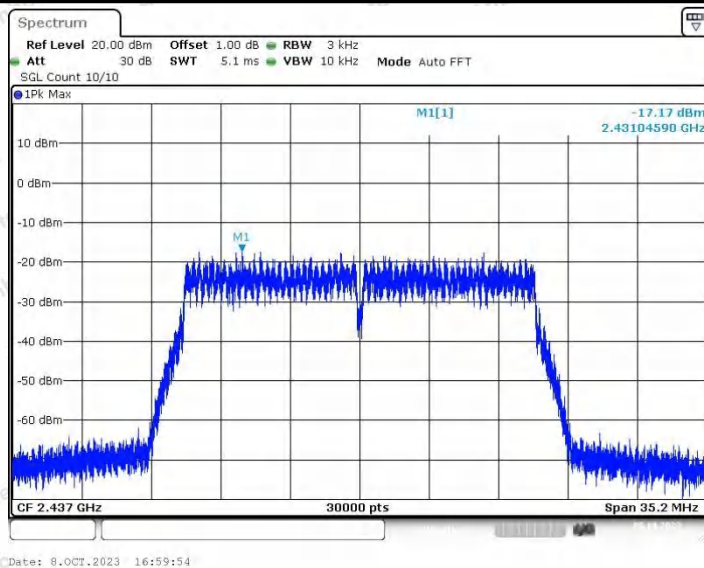
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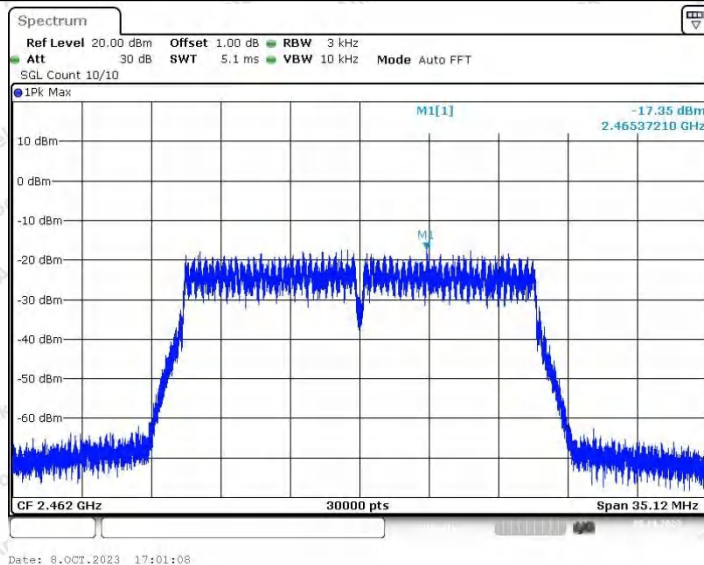


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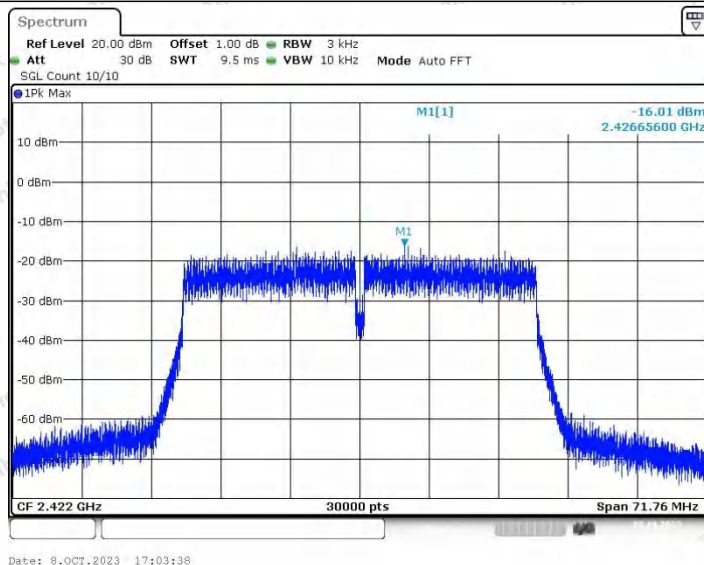




11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422

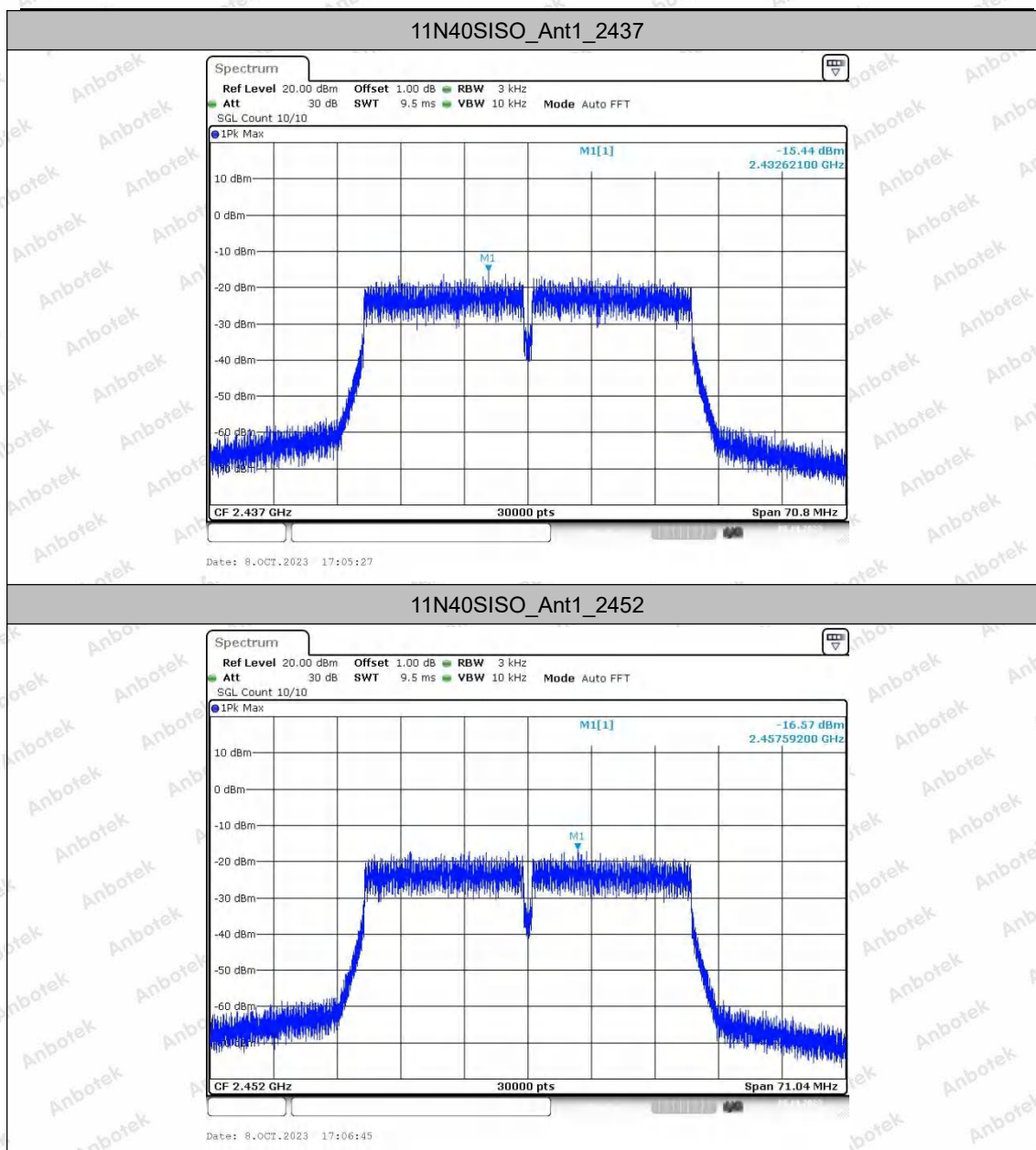
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## Appendix E: Band edge measurements

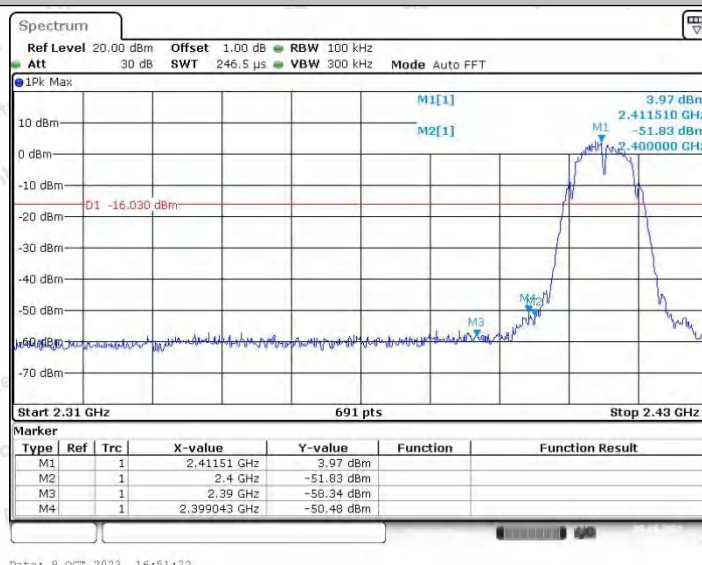
### Test Result

| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|-----------------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412            | 3.97          | -50.48      | ≤-16.03    | PASS    |
|           |         | High   | 2462            | 3.29          | -56.22      | ≤-16.71    | PASS    |
| 11G       | Ant1    | Low    | 2412            | -5.78         | -49.48      | ≤-25.78    | PASS    |
|           |         | High   | 2462            | -3.41         | -54.03      | ≤-23.41    | PASS    |
| 11N20SISO | Ant1    | Low    | 2412            | -5.54         | -50.03      | ≤-25.54    | PASS    |
|           |         | High   | 2462            | -2.45         | -54.28      | ≤-22.45    | PASS    |
| 11N40SISO | Ant1    | Low    | 2422            | -4.56         | -44.61      | ≤-24.56    | PASS    |
|           |         | High   | 2452            | -2.08         | -43.67      | ≤-22.08    | PASS    |



## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412

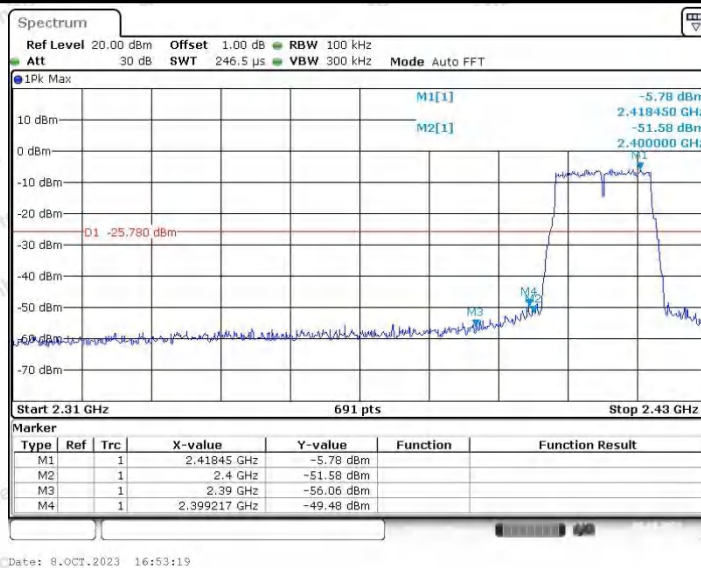
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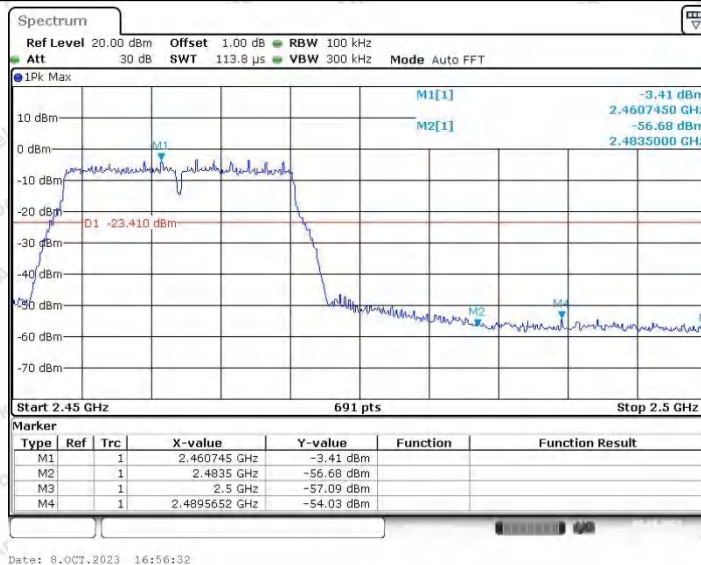


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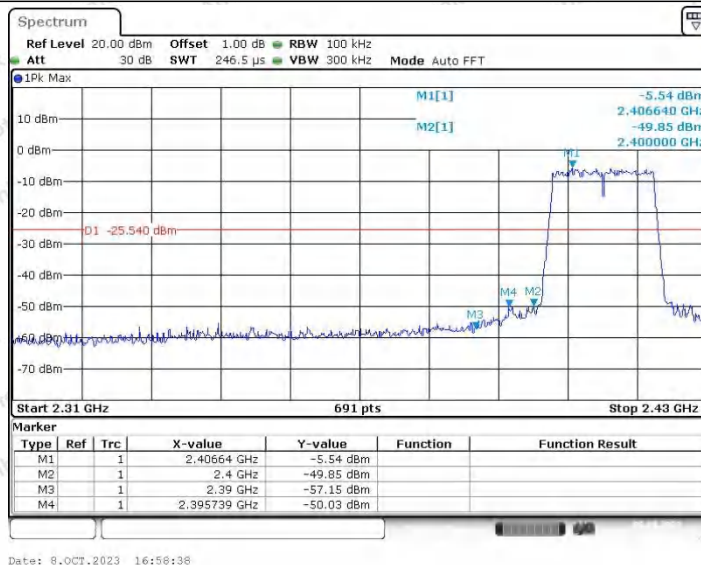




## 11G\_Ant1\_High\_2462



## 11N20SISO\_Ant1\_Low\_2412



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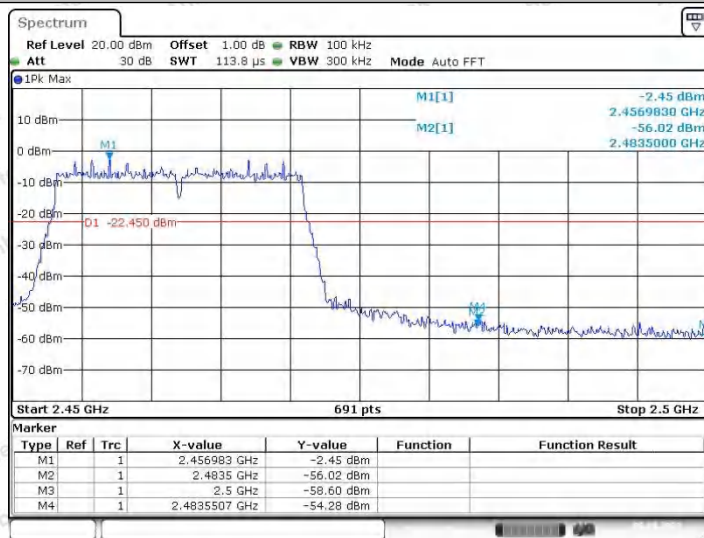
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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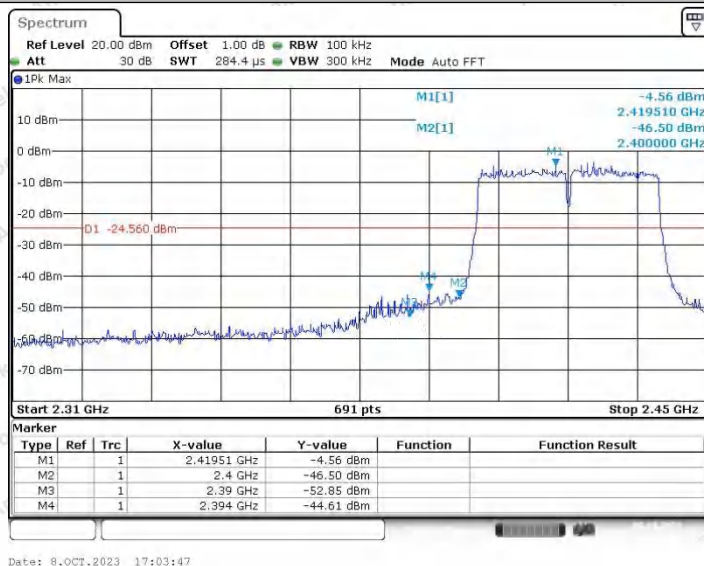
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## 11N20SISO\_Ant1\_High\_2462



## 11N40SISO\_Ant1\_Low\_2422



## 11N40SISO\_Ant1\_High\_2452

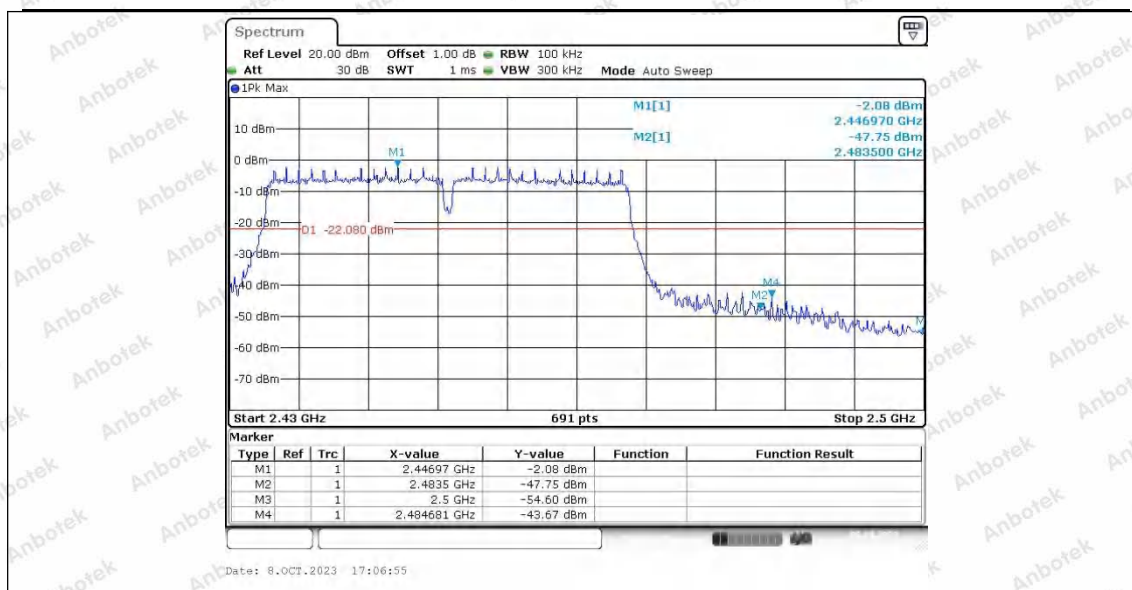
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## Appendix F: Conducted Spurious Emission

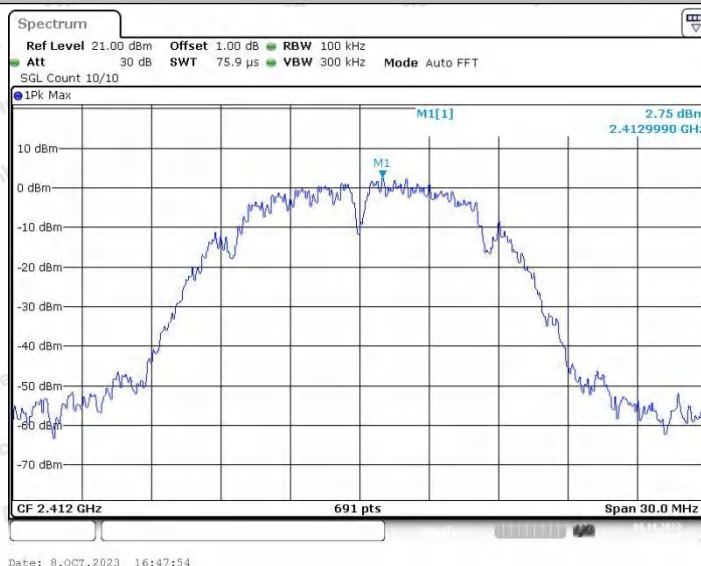
### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 2.75           | 2.75         | ---         | PASS    |
|           |         |                | 30~1000         | 2.75           | -68.23       | ≤-17.25     | PASS    |
|           |         |                | 1000~26500      | 2.75           | -45.8        | ≤-17.25     | PASS    |
|           |         | 2437           | Reference       | 2.61           | 2.61         | ---         | PASS    |
|           |         |                | 30~1000         | 2.61           | -69.13       | ≤-17.39     | PASS    |
|           |         |                | 1000~26500      | 2.61           | -45.2        | ≤-17.39     | PASS    |
|           |         | 2462           | Reference       | 2.19           | 2.19         | ---         | PASS    |
|           |         |                | 30~1000         | 2.19           | -68.83       | ≤-17.81     | PASS    |
|           |         |                | 1000~26500      | 2.19           | -44.84       | ≤-17.81     | PASS    |
| 11G       | Ant1    | 2412           | Reference       | -6.19          | -6.19        | ---         | PASS    |
|           |         |                | 30~1000         | -6.19          | -68.58       | ≤-26.19     | PASS    |
|           |         |                | 1000~26500      | -6.19          | -58.44       | ≤-26.19     | PASS    |
|           |         | 2437           | Reference       | -5.59          | -5.59        | ---         | PASS    |
|           |         |                | 30~1000         | -5.59          | -68.74       | ≤-25.59     | PASS    |
|           |         |                | 1000~26500      | -5.59          | -52.14       | ≤-25.59     | PASS    |
|           |         | 2462           | Reference       | -6.19          | -6.19        | ---         | PASS    |
|           |         |                | 30~1000         | -6.19          | -68.92       | ≤-26.19     | PASS    |
|           |         |                | 1000~26500      | -6.19          | -58.59       | ≤-26.19     | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -5.83          | -5.83        | ---         | PASS    |
|           |         |                | 30~1000         | -5.83          | -68.13       | ≤-25.83     | PASS    |
|           |         |                | 1000~26500      | -5.83          | -53.96       | ≤-25.83     | PASS    |
|           |         | 2437           | Reference       | -6.48          | -6.48        | ---         | PASS    |
|           |         |                | 30~1000         | -6.48          | -68.11       | ≤-26.48     | PASS    |
|           |         |                | 1000~26500      | -6.48          | -60.32       | ≤-26.48     | PASS    |
|           |         | 2462           | Reference       | -2.86          | -2.86        | ---         | PASS    |
|           |         |                | 30~1000         | -2.86          | -68.79       | ≤-22.86     | PASS    |
|           |         |                | 1000~26500      | -2.86          | -59.49       | ≤-22.86     | PASS    |
| 11N40SISO | Ant1    | 2422           | Reference       | -3.71          | -3.71        | ---         | PASS    |
|           |         |                | 30~1000         | -3.71          | -68.61       | ≤-23.71     | PASS    |
|           |         |                | 1000~26500      | -3.71          | -60.32       | ≤-23.71     | PASS    |
|           |         | 2437           | Reference       | -1.78          | -1.78        | ---         | PASS    |
|           |         |                | 30~1000         | -1.78          | -68.16       | ≤-21.78     | PASS    |
|           |         |                | 1000~26500      | -1.78          | -58.11       | ≤-21.78     | PASS    |
|           |         | 2452           | Reference       | -5.91          | -5.91        | ---         | PASS    |
|           |         |                | 30~1000         | -5.91          | -68.01       | ≤-25.91     | PASS    |
|           |         |                | 1000~26500      | -5.91          | -59.34       | ≤-25.91     | PASS    |

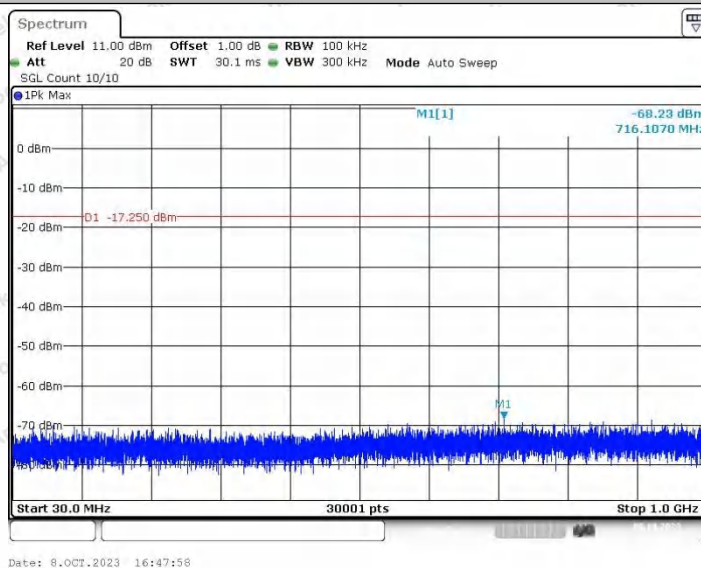


## Test Graphs

11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



11B\_Ant1\_2412\_1000~26500

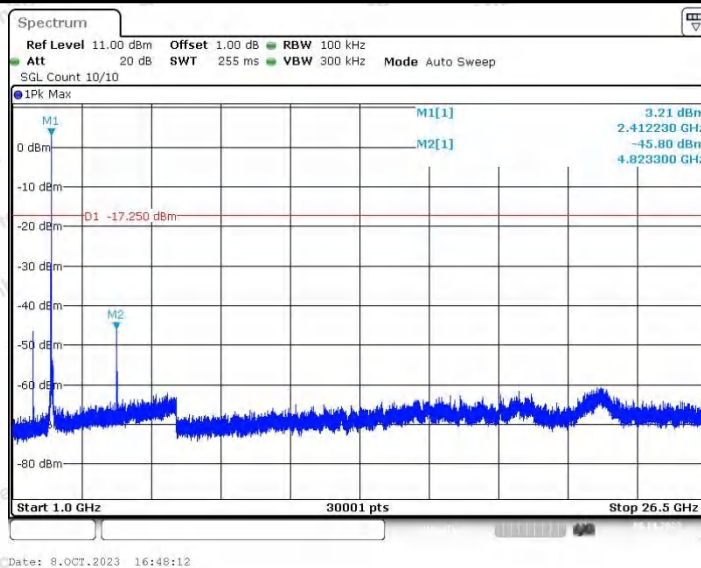
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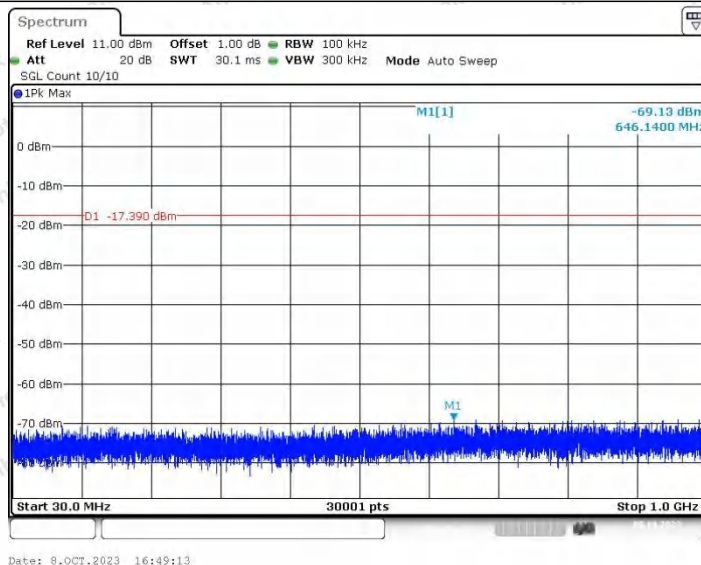




11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

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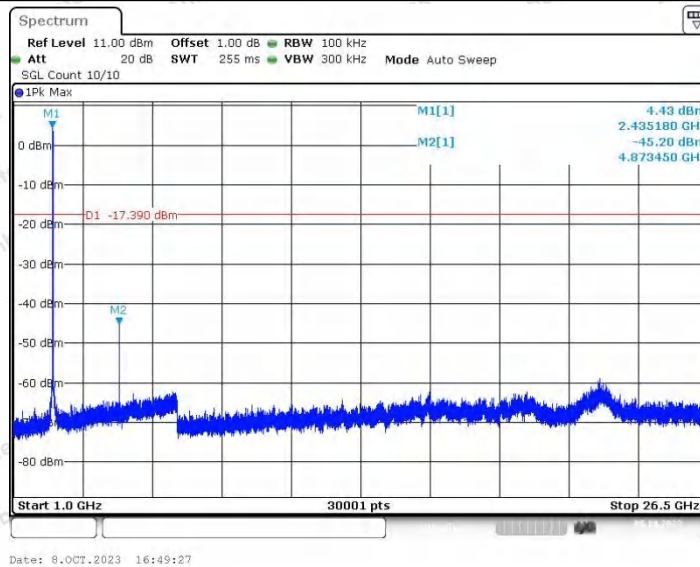
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



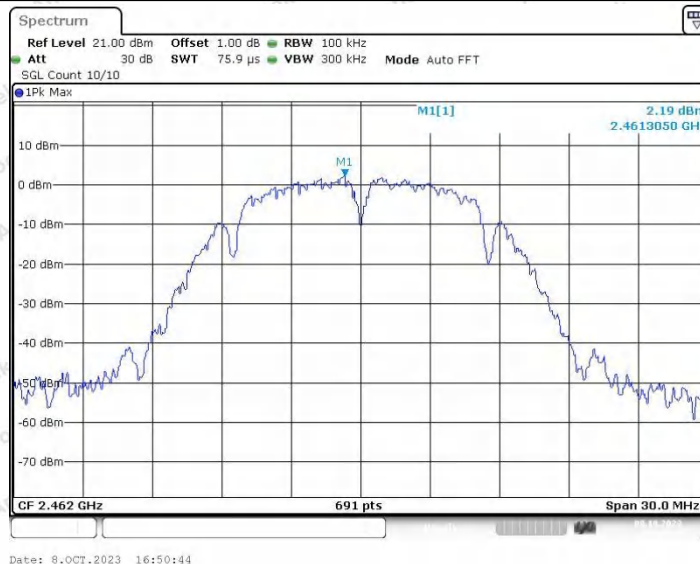
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## 11B\_Ant1\_2437\_1000~26500



## 11B\_Ant1\_2462\_0~Reference



## 11B\_Ant1\_2462\_30~1000

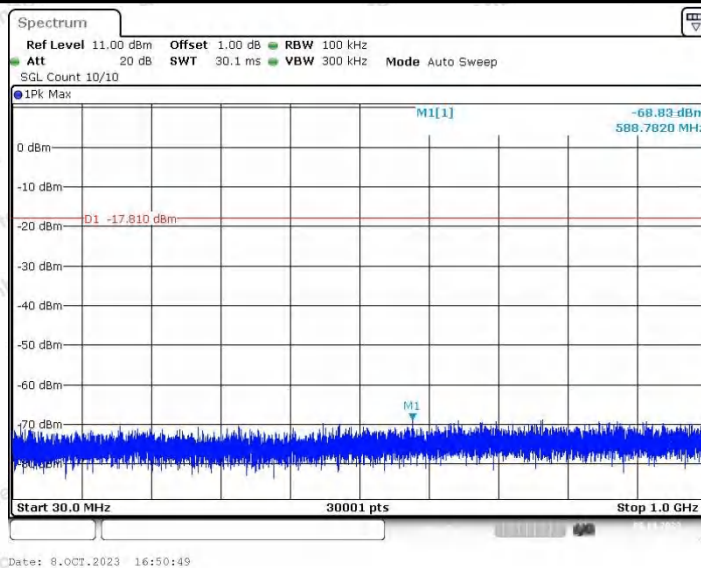
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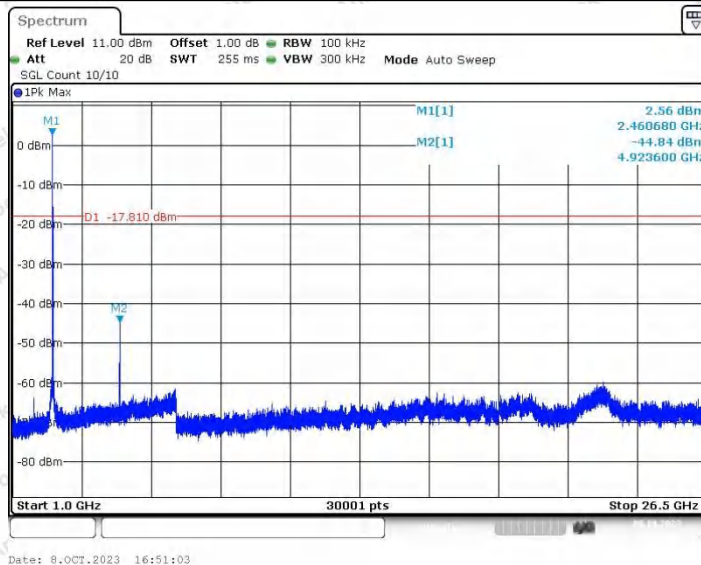


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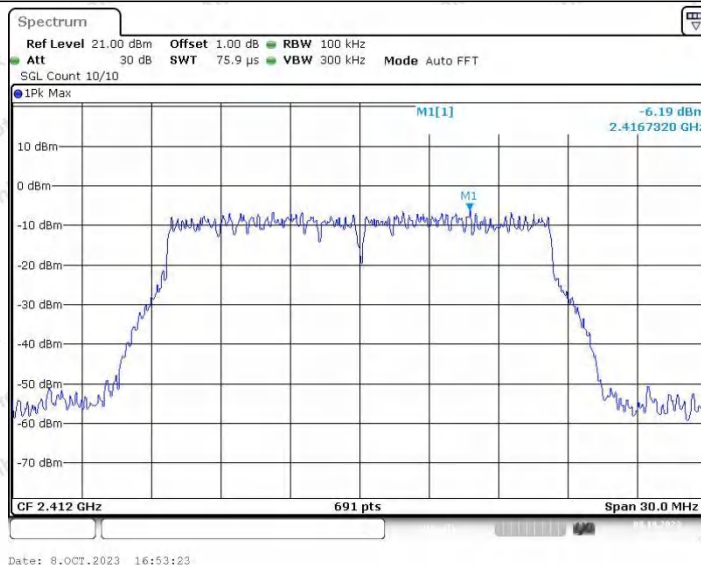




11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



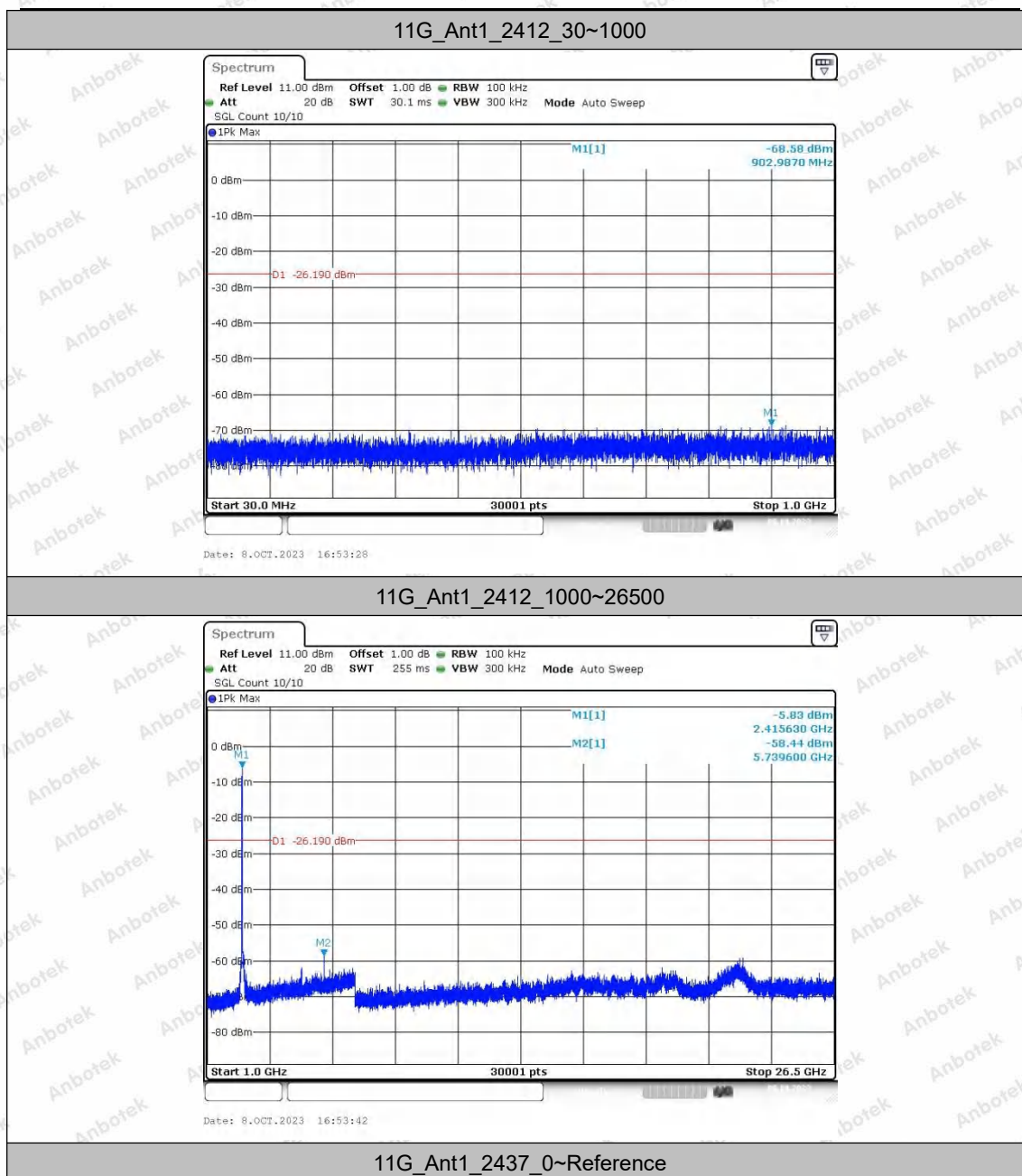
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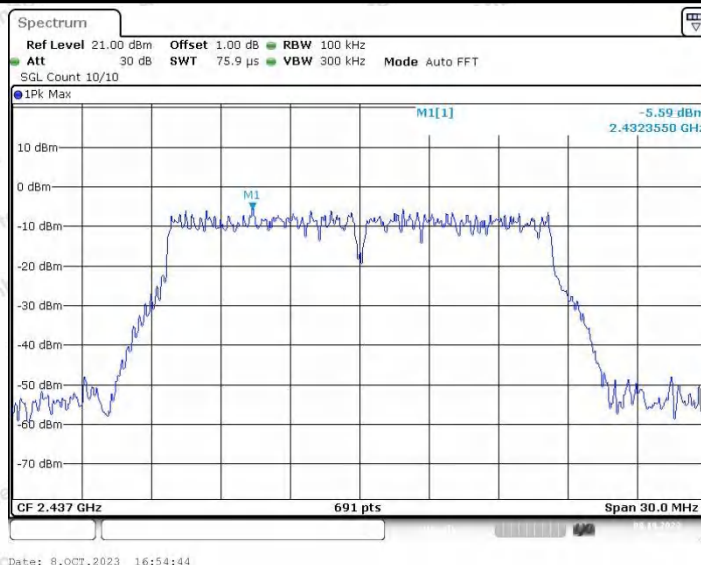
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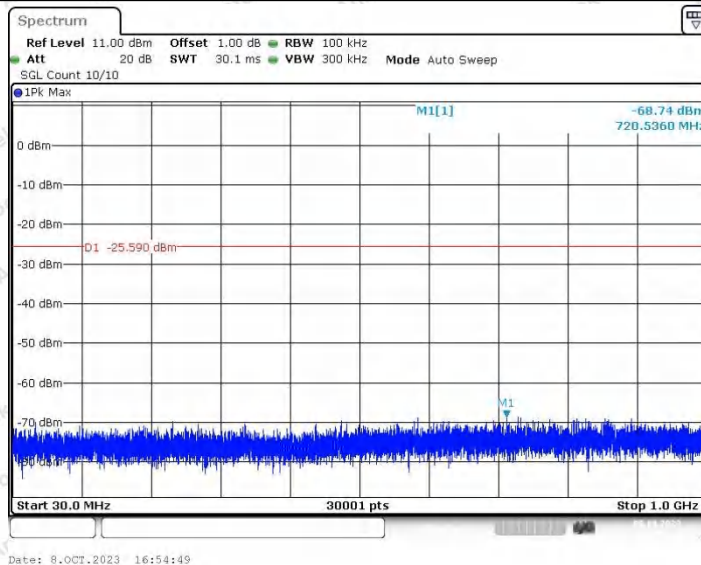


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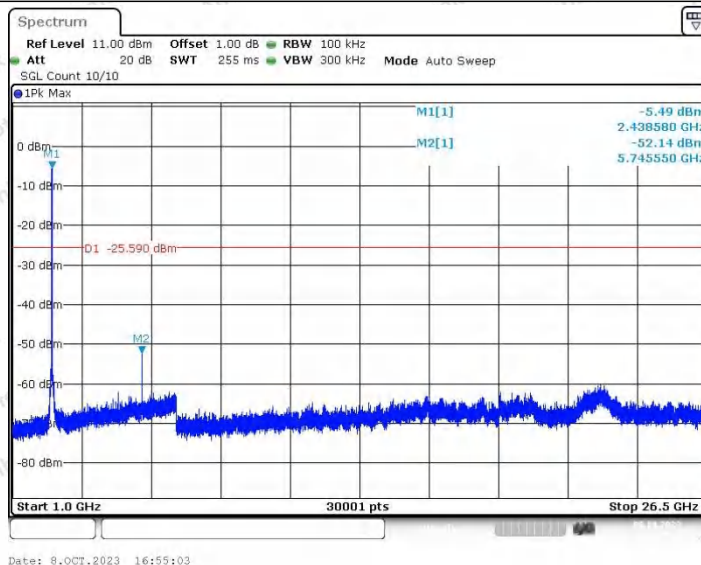




## 11G\_Ant1\_2437\_30~1000



## 11G\_Ant1\_2437\_1000~26500



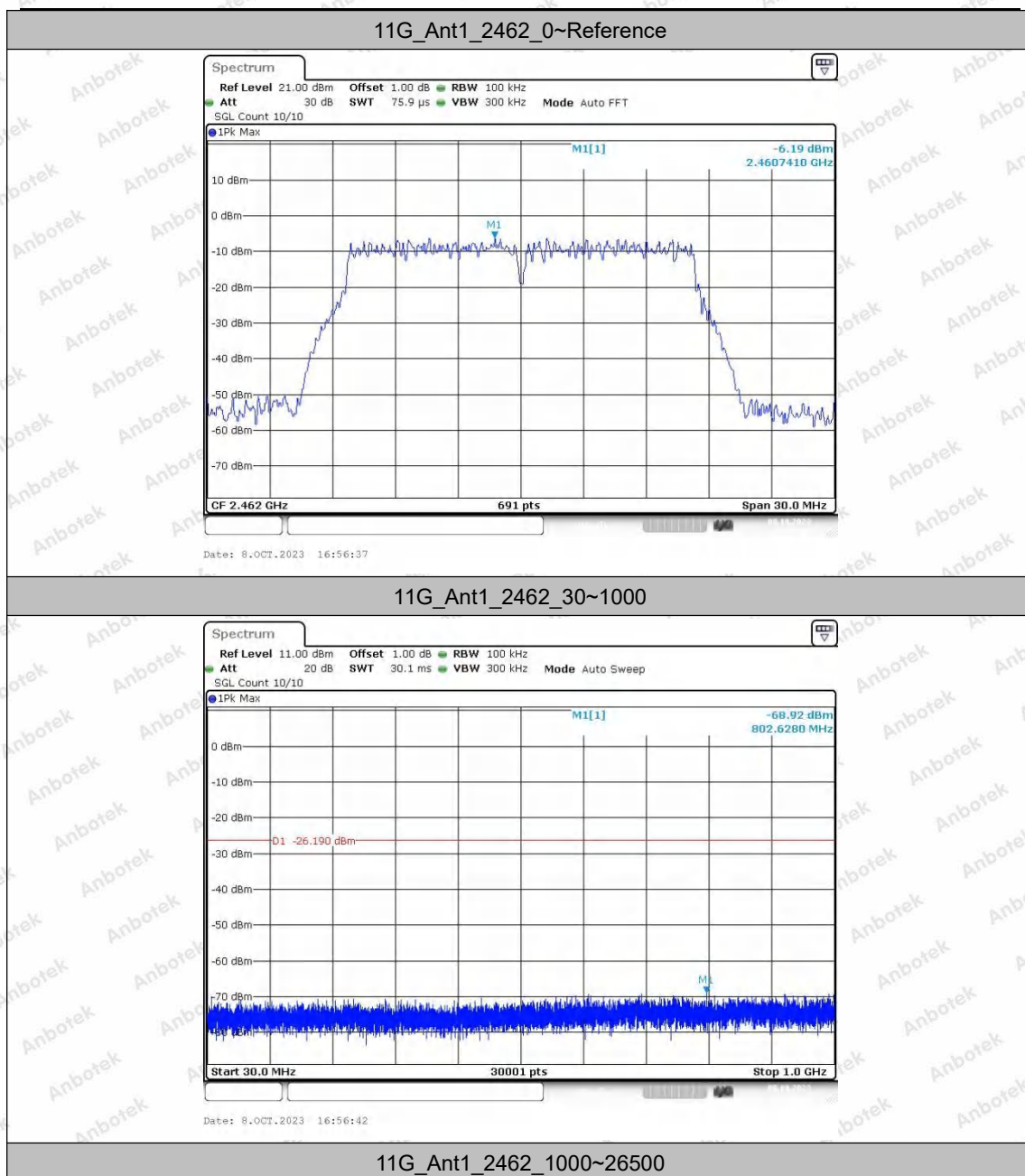
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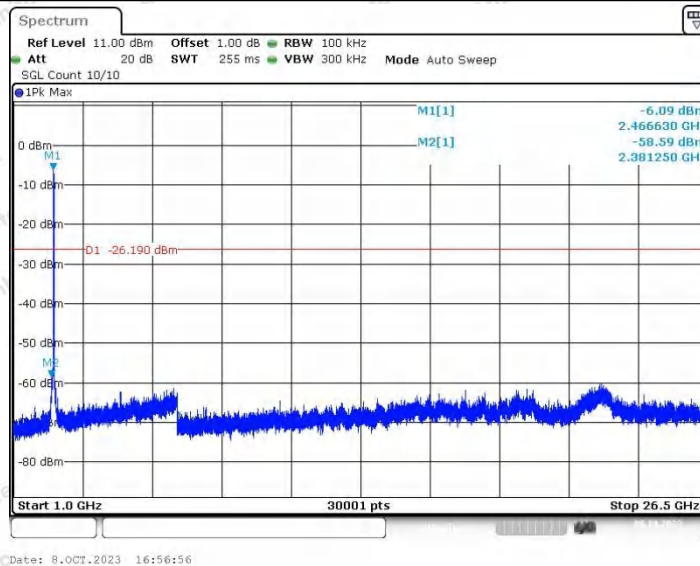
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

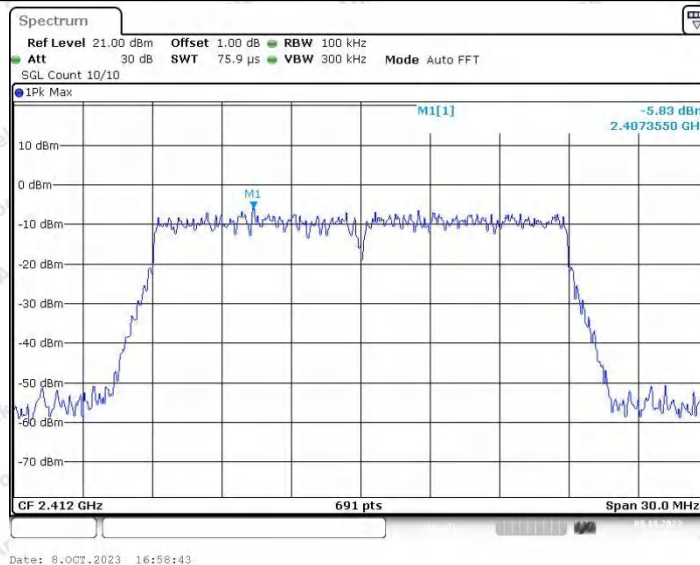


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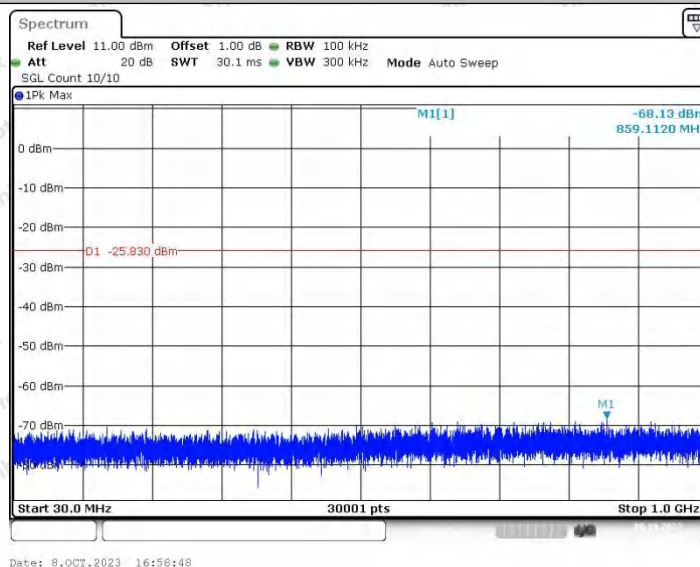




11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000

**Shenzhen Anbotek Compliance Laboratory Limited**

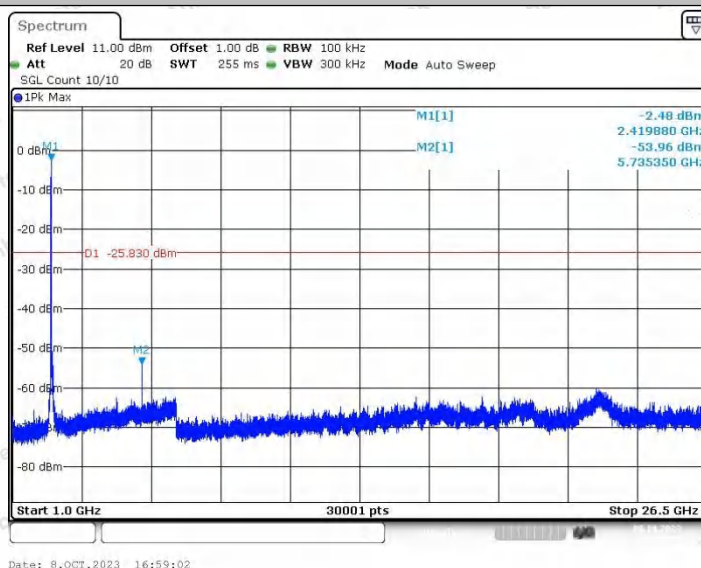
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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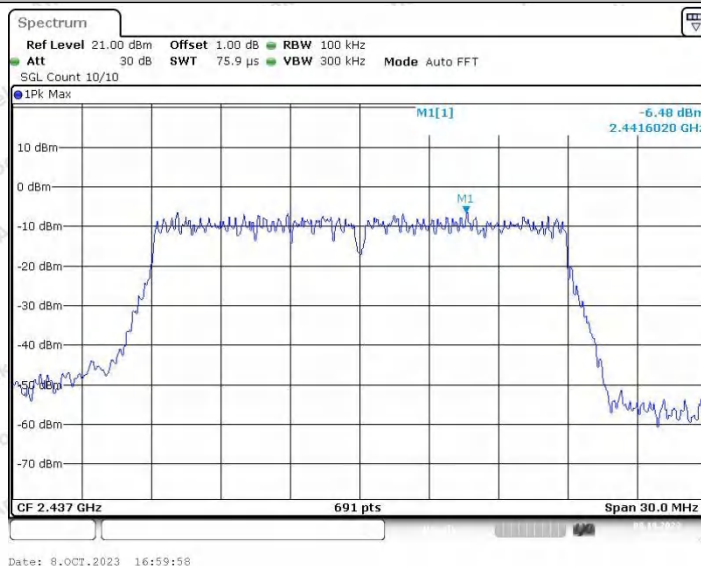
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## 11N20SISO\_Ant1\_2412\_1000~26500



## 11N20SISO\_Ant1\_2437\_0~Reference



## 11N20SISO\_Ant1\_2437\_30~1000

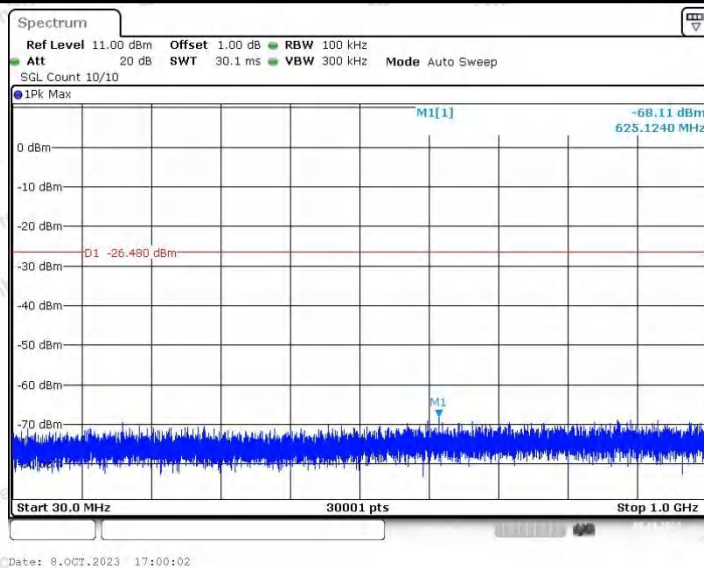
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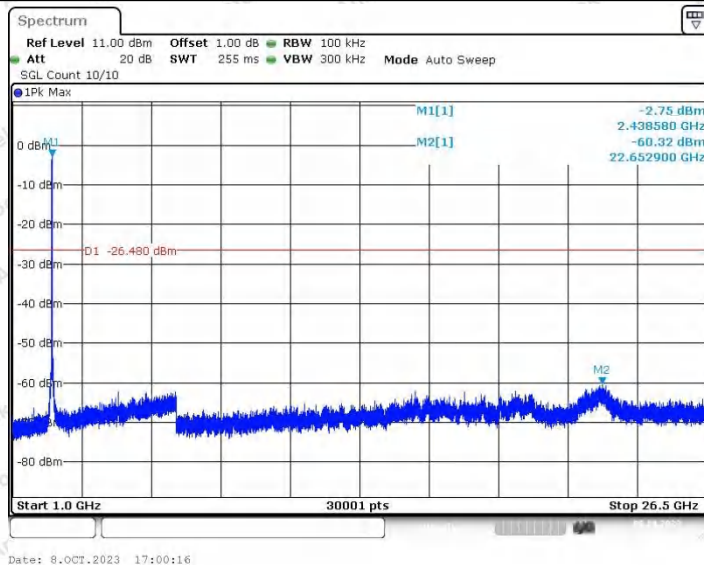


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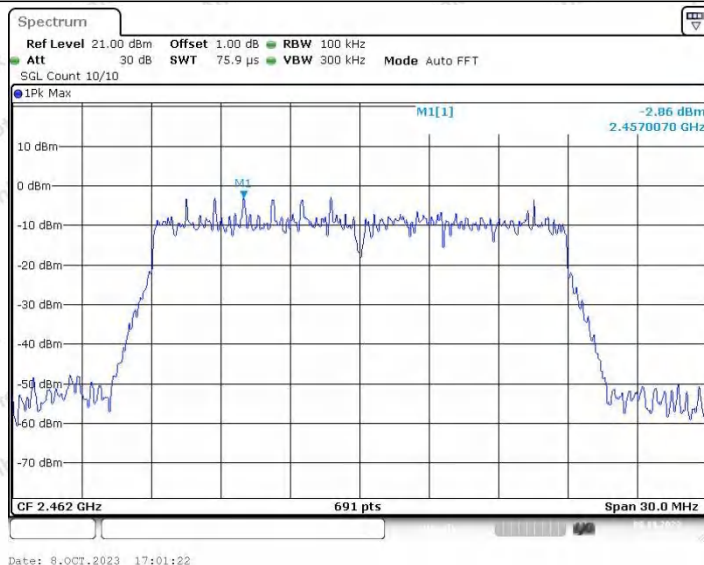




11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



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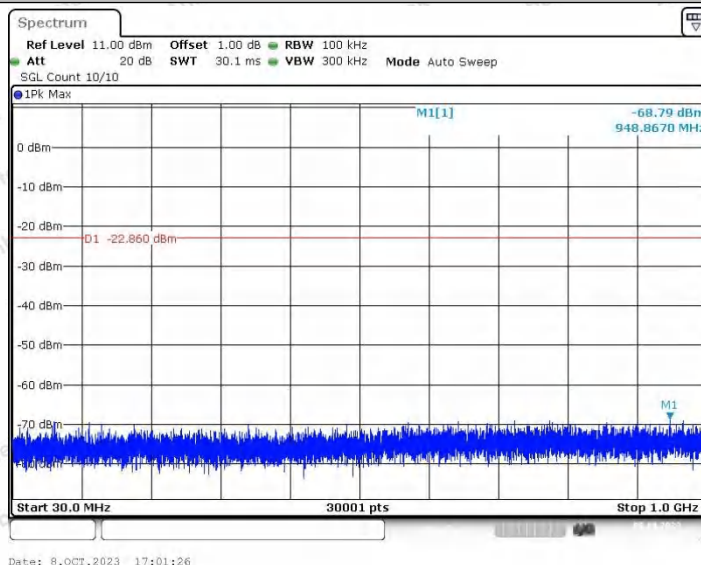
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,  
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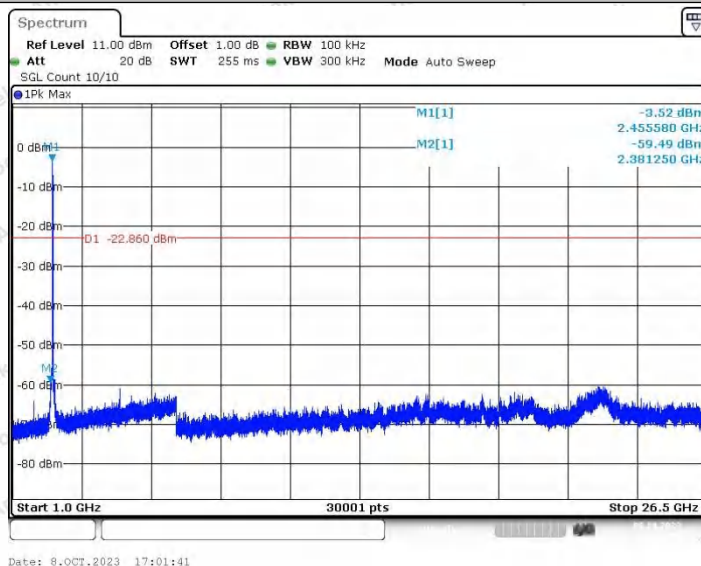
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## 11N20SISO\_Ant1\_2462\_30~1000



## 11N20SISO\_Ant1\_2462\_1000~26500



## 11N40SISO\_Ant1\_2422\_0~Reference

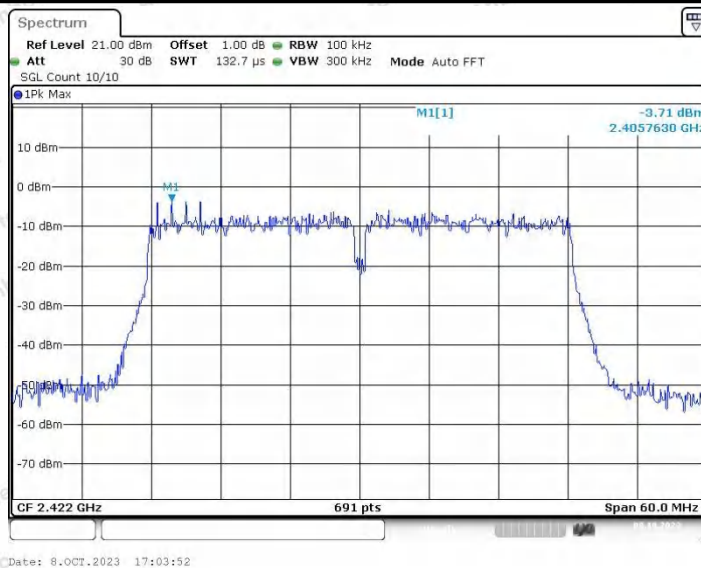
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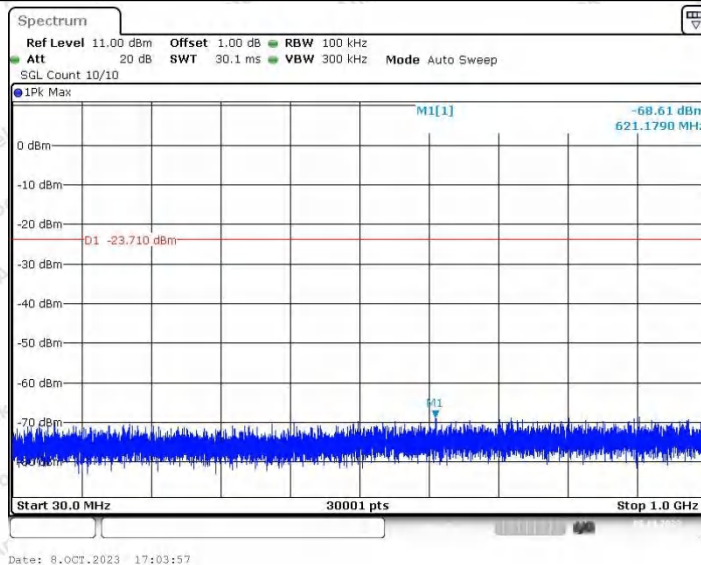


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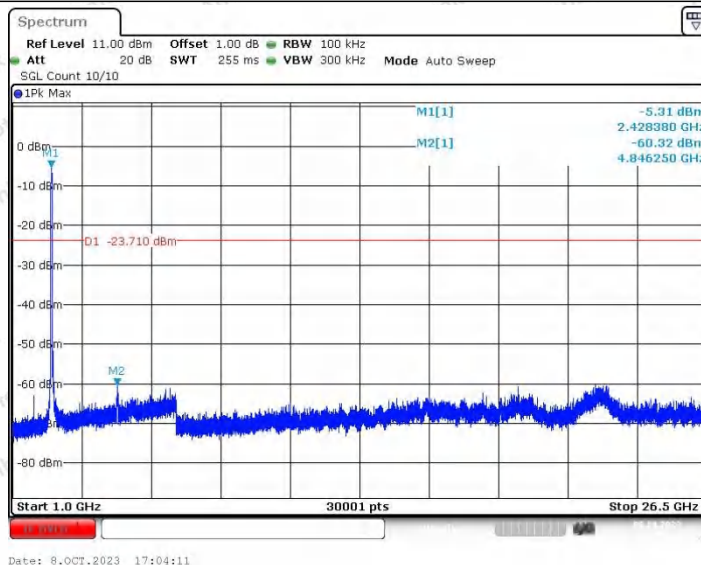




## 11N40SISO\_Ant1\_2422\_30~1000



## 11N40SISO\_Ant1\_2422\_1000~26500



## Shenzhen Anbotek Compliance Laboratory Limited

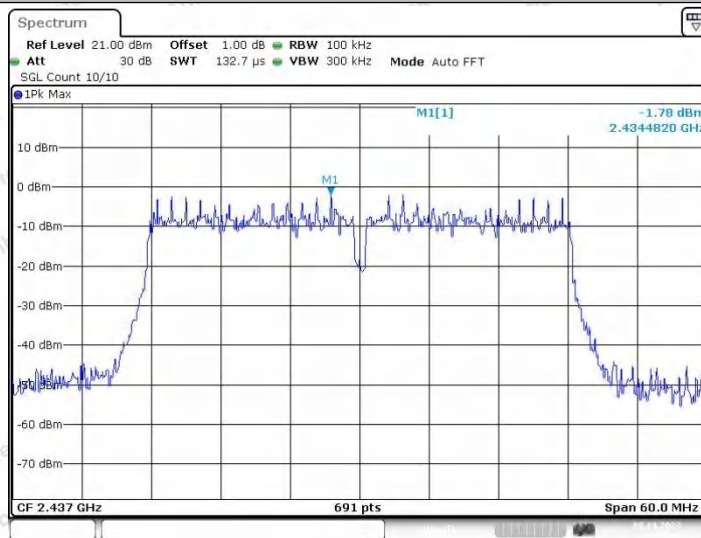
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,  
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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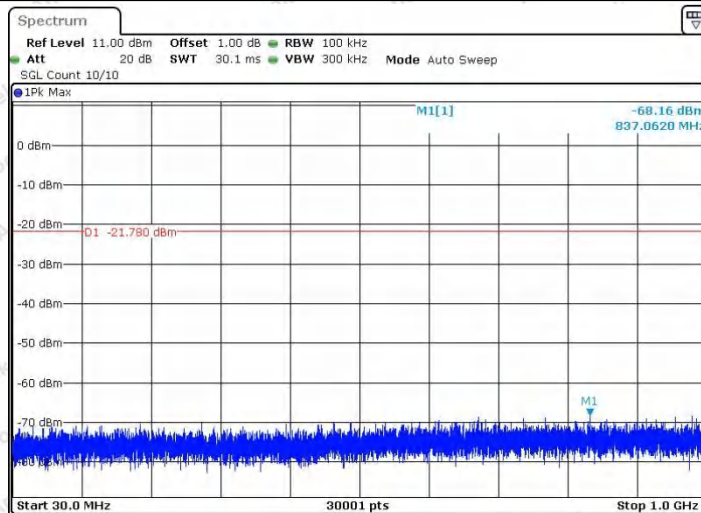


## 11N40SISO\_Ant1\_2437\_0~Reference



Date: 8.OCT.2023 17:05:32

## 11N40SISO\_Ant1\_2437\_30~1000



Date: 8.OCT.2023 17:05:36

## 11N40SISO\_Ant1\_2437\_1000~26500

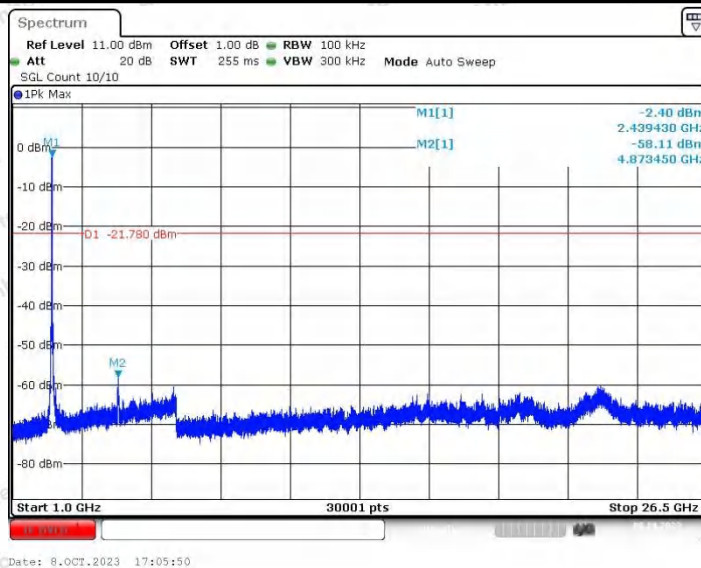
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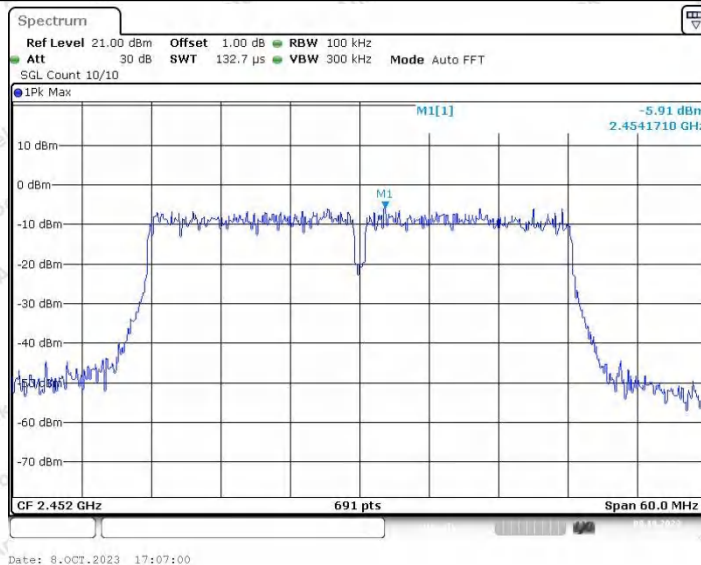


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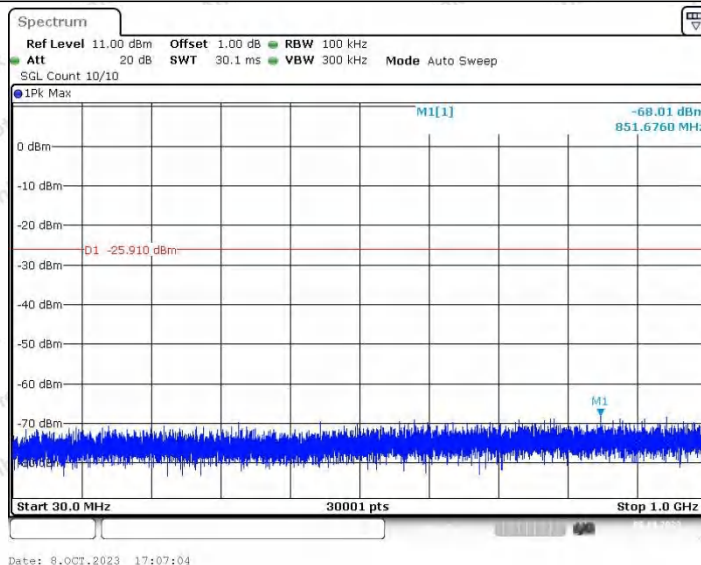




11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000



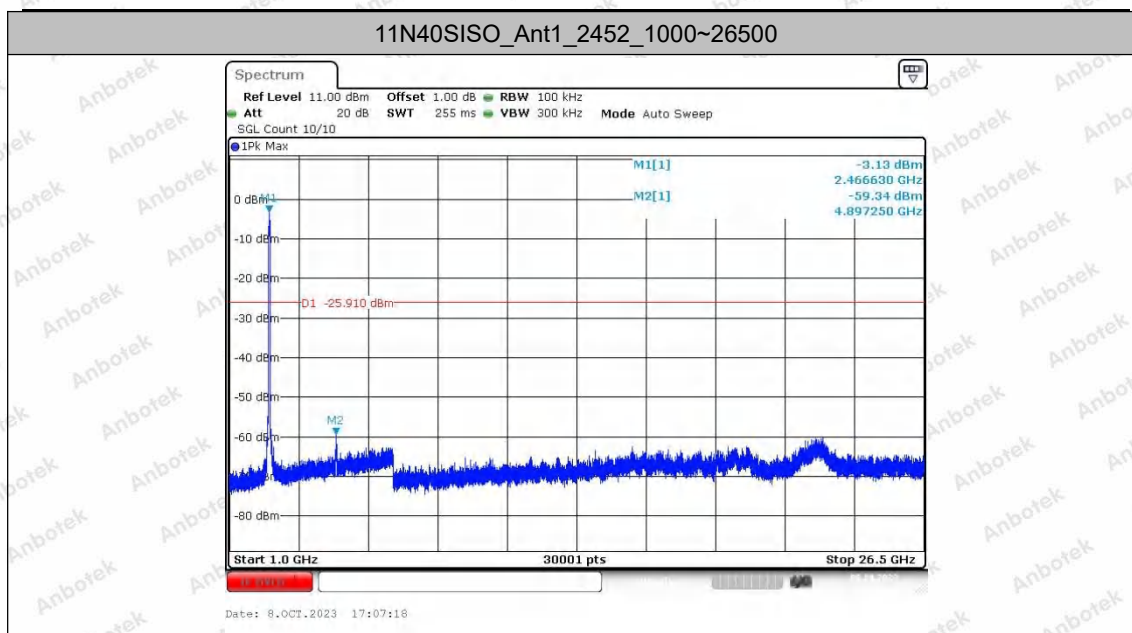
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## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency<br>[MHz] | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty Cycle<br>[%] | Factor |
|-----------|---------|--------------------|-------------------------------|-----------------------------|-------------------|--------|
| 11B       | Ant1    | 2412               | 8.36                          | 8.39                        | 99.64             | 0.02   |
|           |         | 2437               | 8.36                          | 8.39                        | 99.64             | 0.02   |
|           |         | 2462               | 8.35                          | 8.38                        | 99.64             | 0.02   |
| 11G       | Ant1    | 2412               | 1.38                          | 1.42                        | 97.18             | 0.12   |
|           |         | 2437               | 1.38                          | 1.42                        | 97.18             | 0.12   |
|           |         | 2462               | 1.38                          | 1.42                        | 97.18             | 0.12   |
| 11N20SISO | Ant1    | 2412               | 1.29                          | 1.33                        | 96.99             | 0.13   |
|           |         | 2437               | 1.29                          | 1.33                        | 96.99             | 0.13   |
|           |         | 2462               | 1.29                          | 1.33                        | 96.99             | 0.13   |
| 11N40SISO | Ant1    | 2422               | 0.64                          | 0.68                        | 94.12             | 0.26   |
|           |         | 2437               | 0.64                          | 0.68                        | 94.12             | 0.26   |
|           |         | 2452               | 0.64                          | 0.67                        | 95.52             | 0.20   |



## Test Graphs



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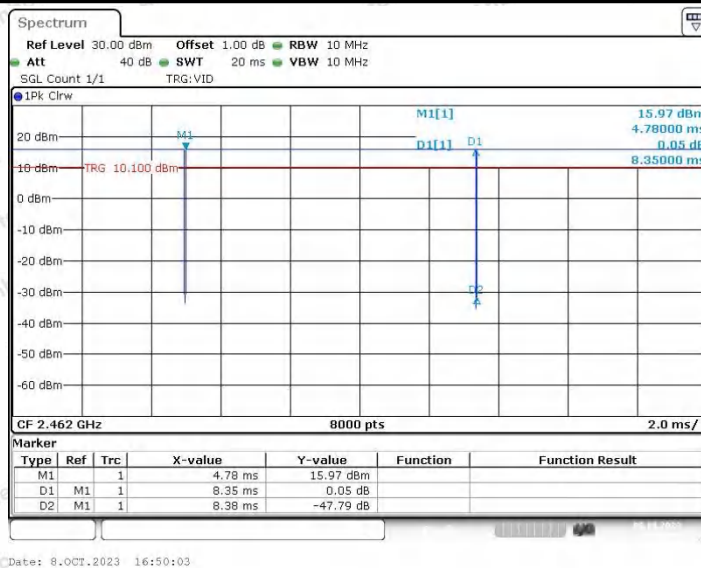


Hotline

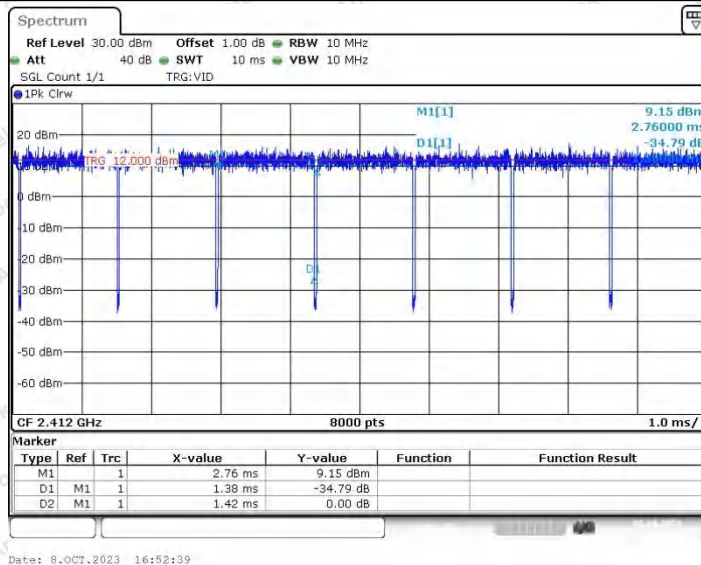
400-003-0500

www.anbotek.com.cn

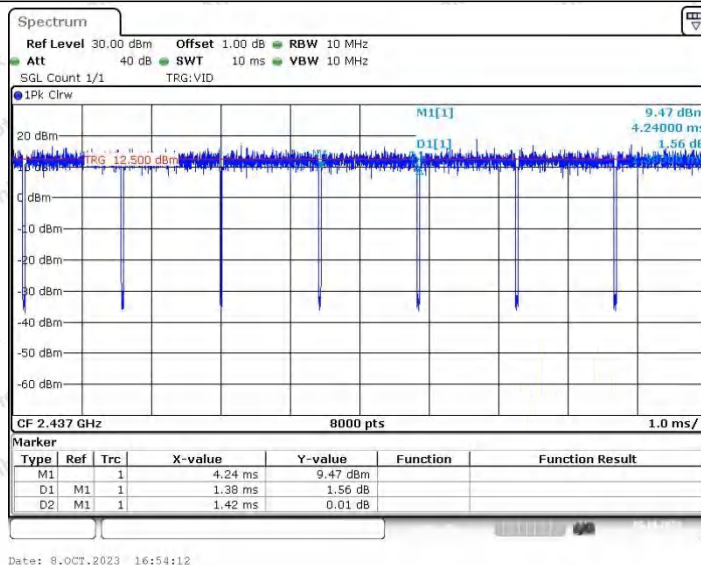




## 11G\_Ant1\_2412



## 11G\_Ant1\_2437



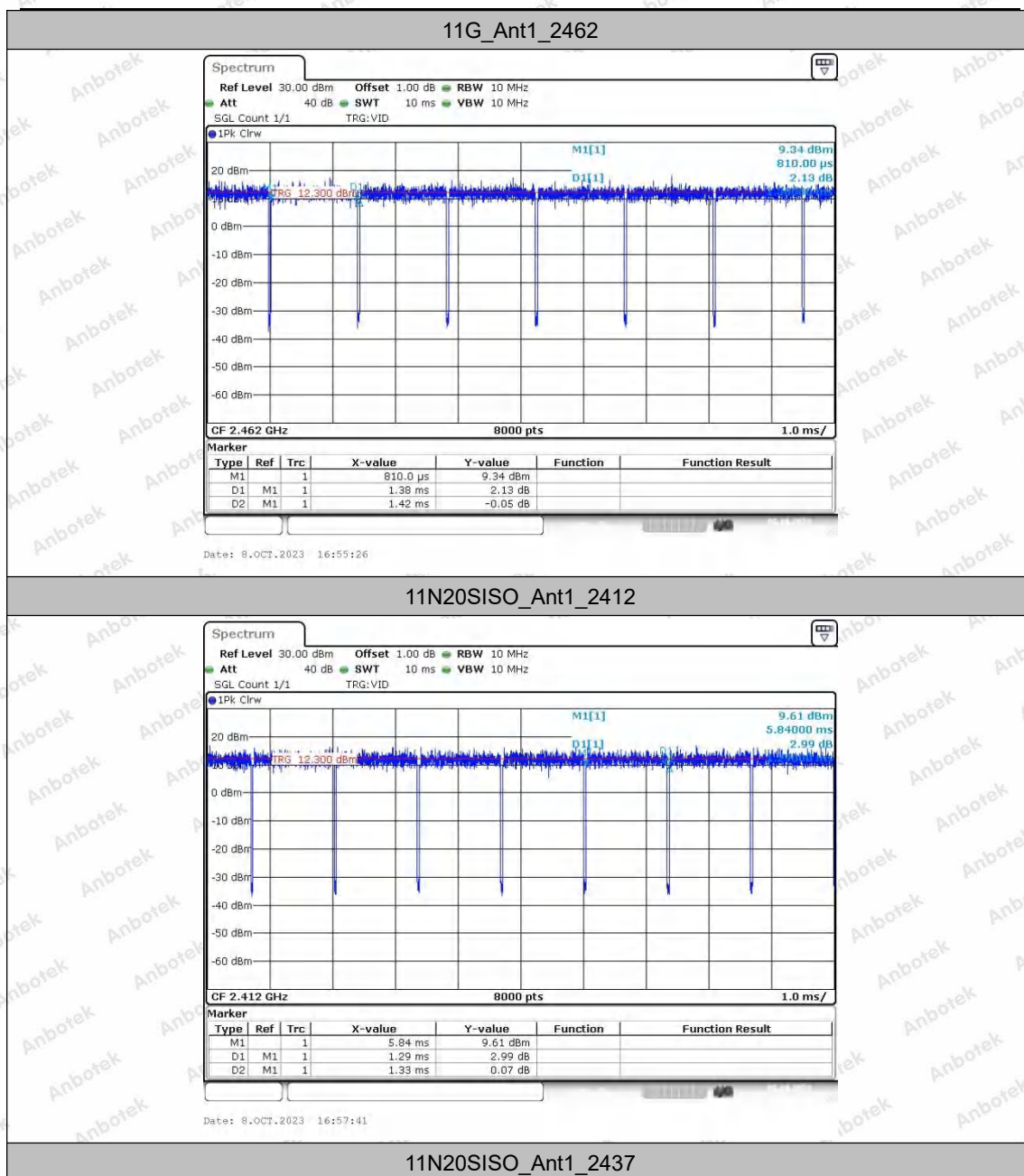
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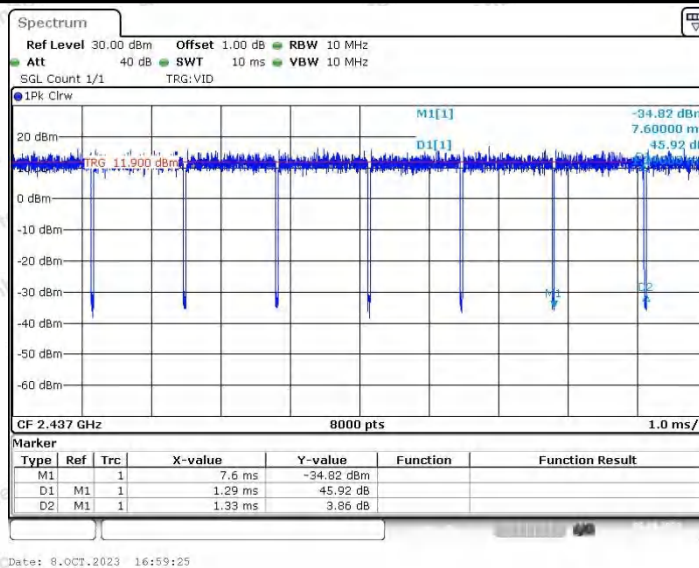
**Shenzhen Anbotek Compliance Laboratory Limited**

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

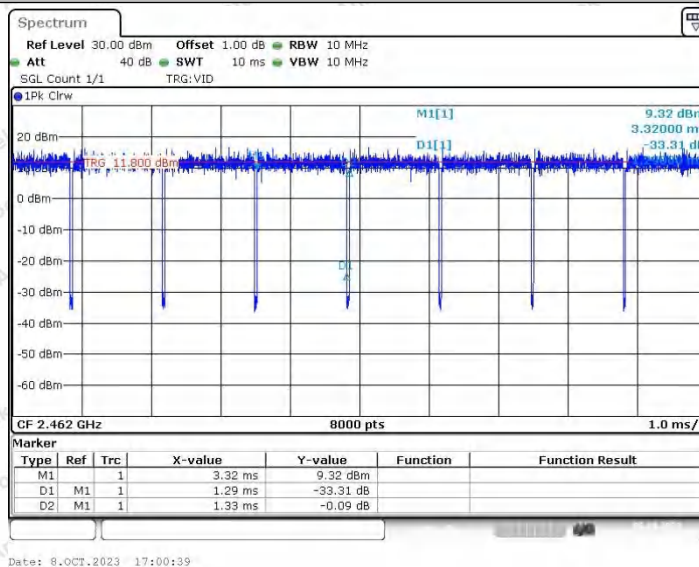


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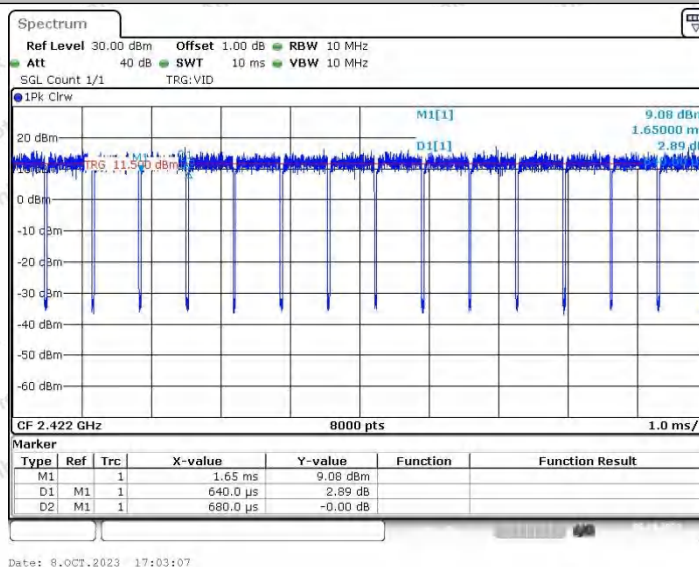




## 11N20SISO\_Ant1\_2462



## 11N40SISO\_Ant1\_2422



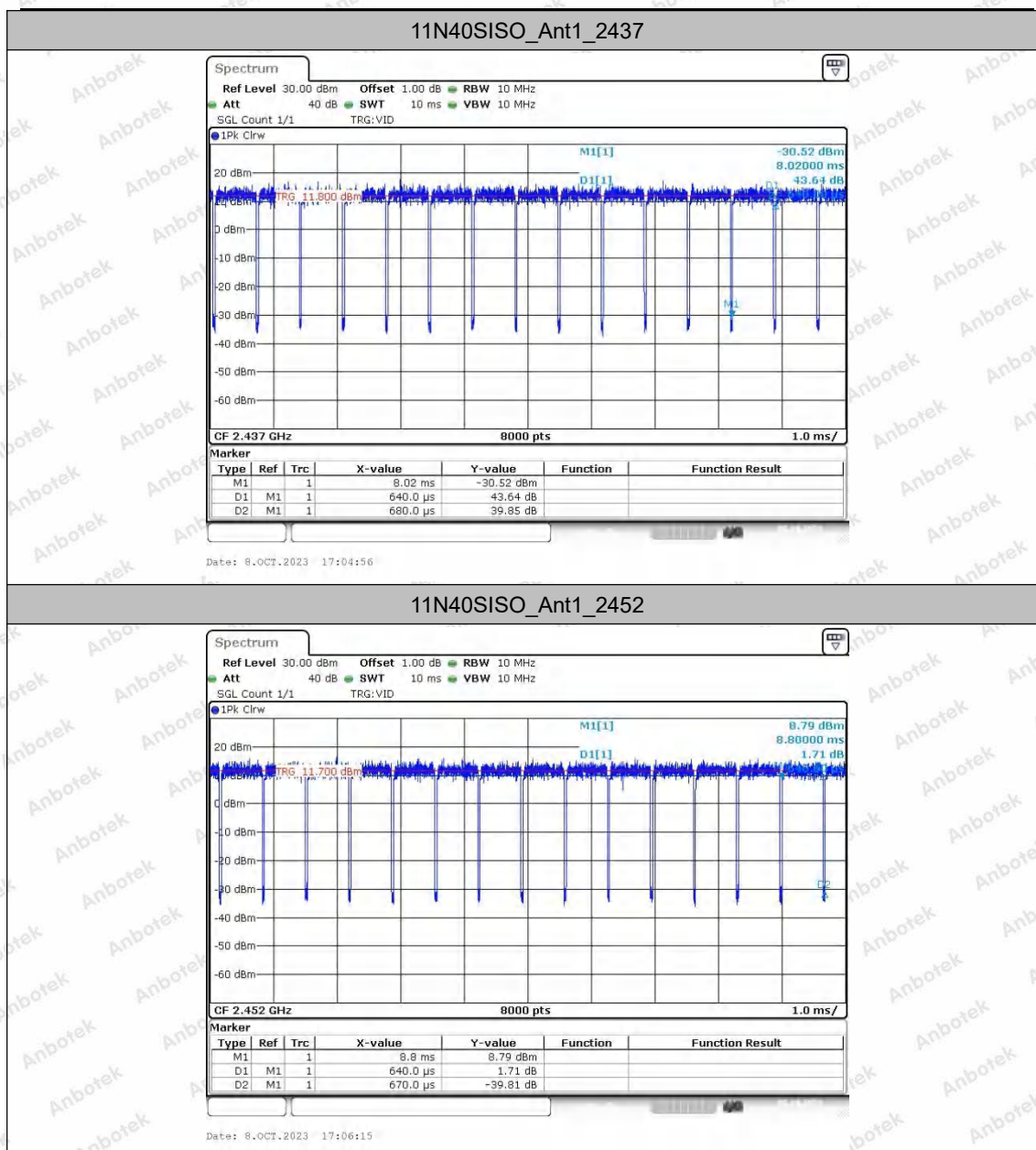
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