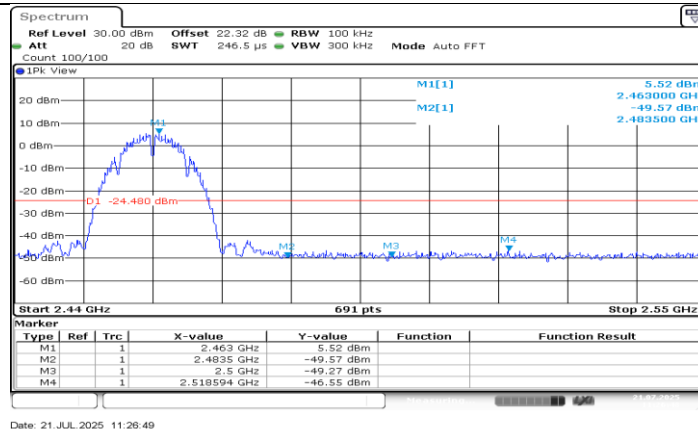
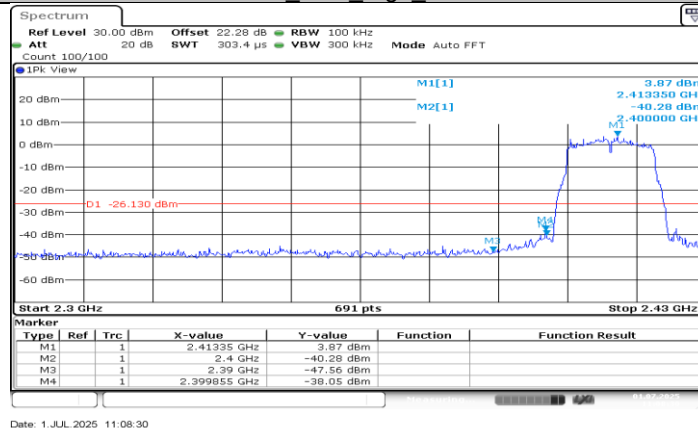
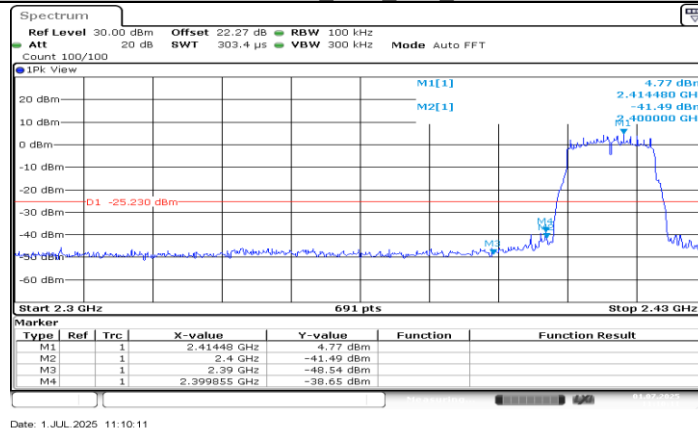




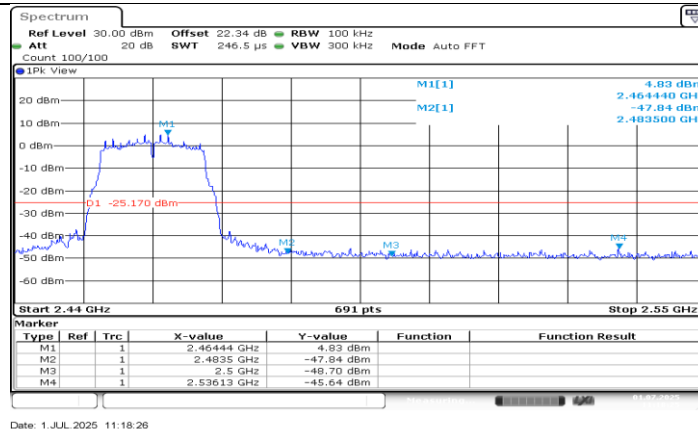
11B\_Ant2\_High\_2462



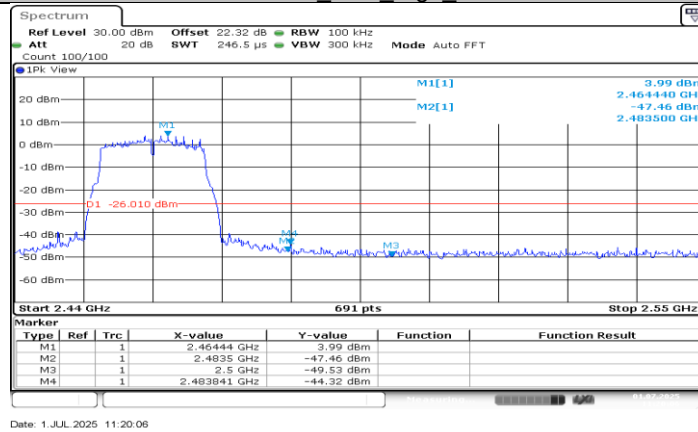
11G-CDD\_Ant1\_Low\_2412



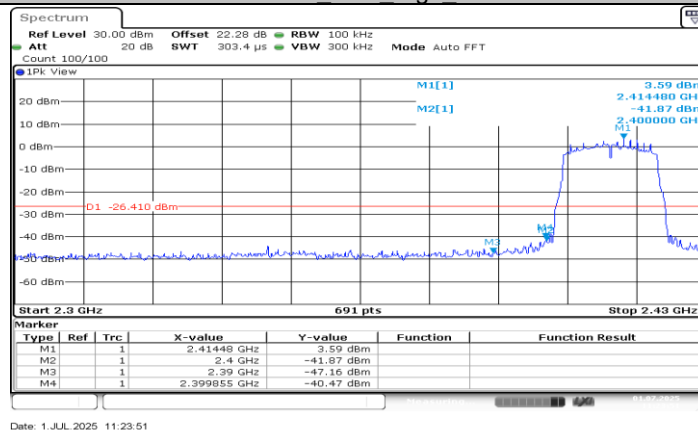
11G-CDD\_Ant2\_Low\_2412



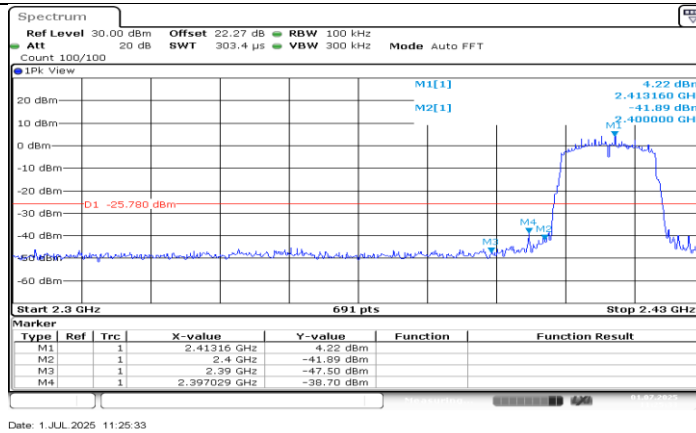
11G-CDD\_Ant1\_High\_2462



11G-CDD\_Ant2\_High\_2462



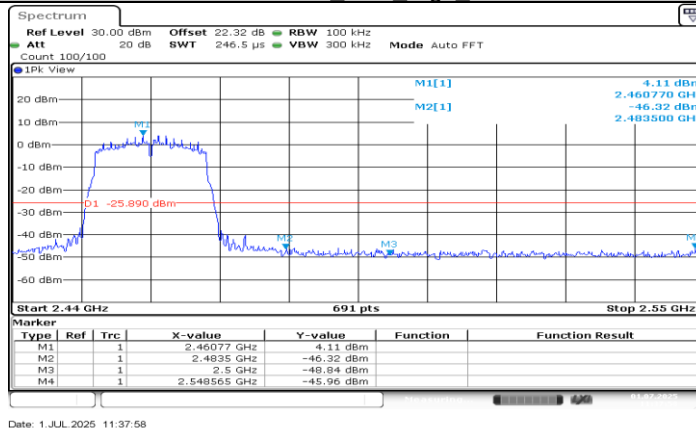
11N20MIMO\_Ant1\_Low\_2412



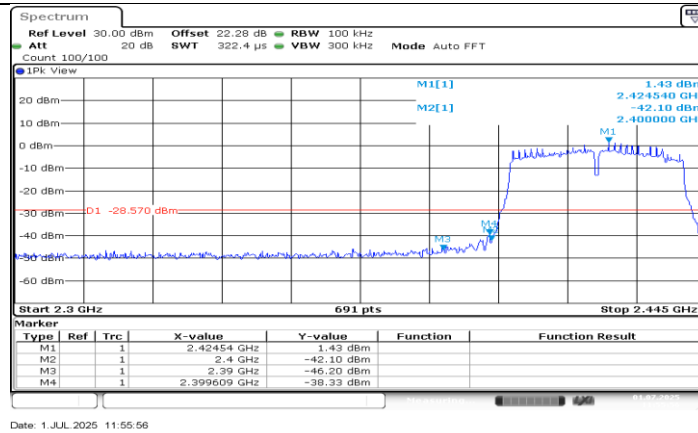
### 11N20MIMO Ant2 Low 2412



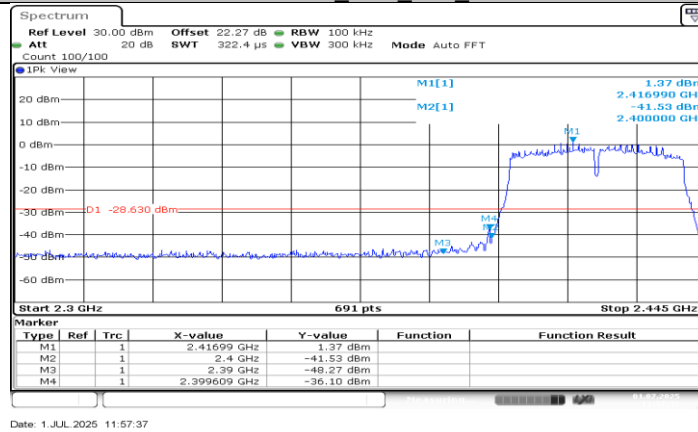
### 11N20MIMO Ant1 High 2462



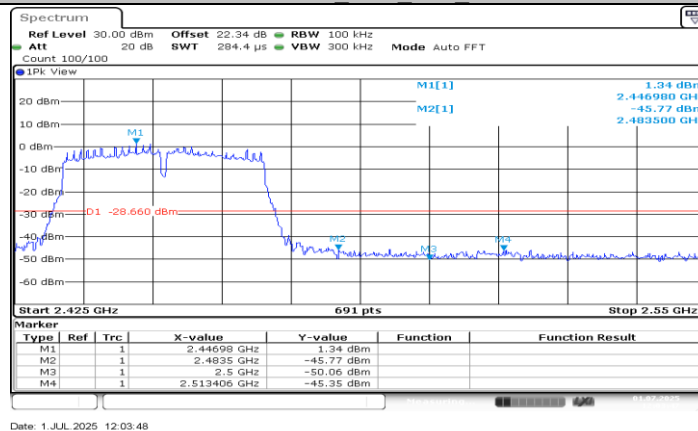
### 11N20MIMO Ant2 High 2462



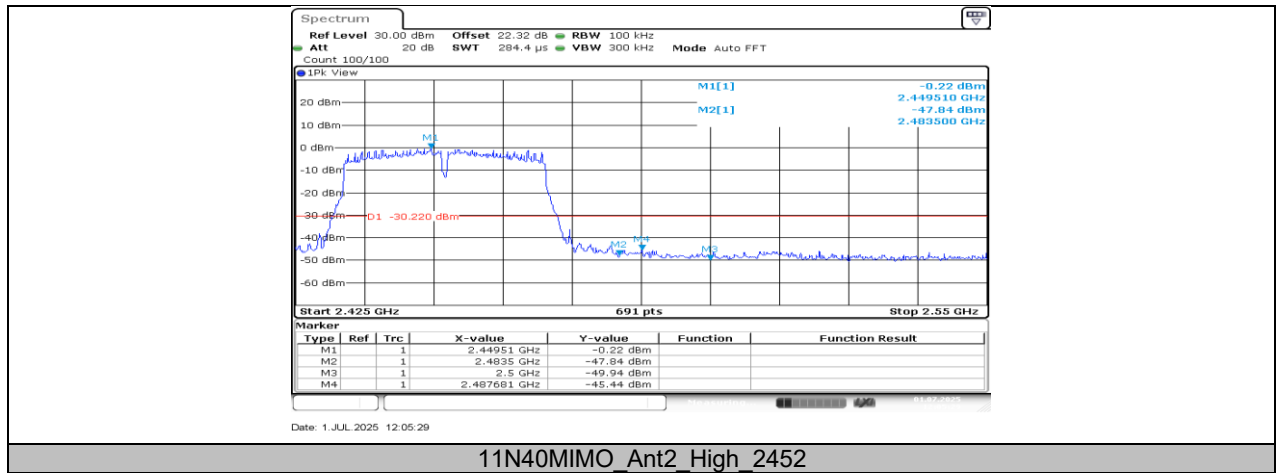
11N40MIMO Ant1 Low 2422



11N40MIMO Ant2 Low 2422



11N40MIMO Ant1 High 2452



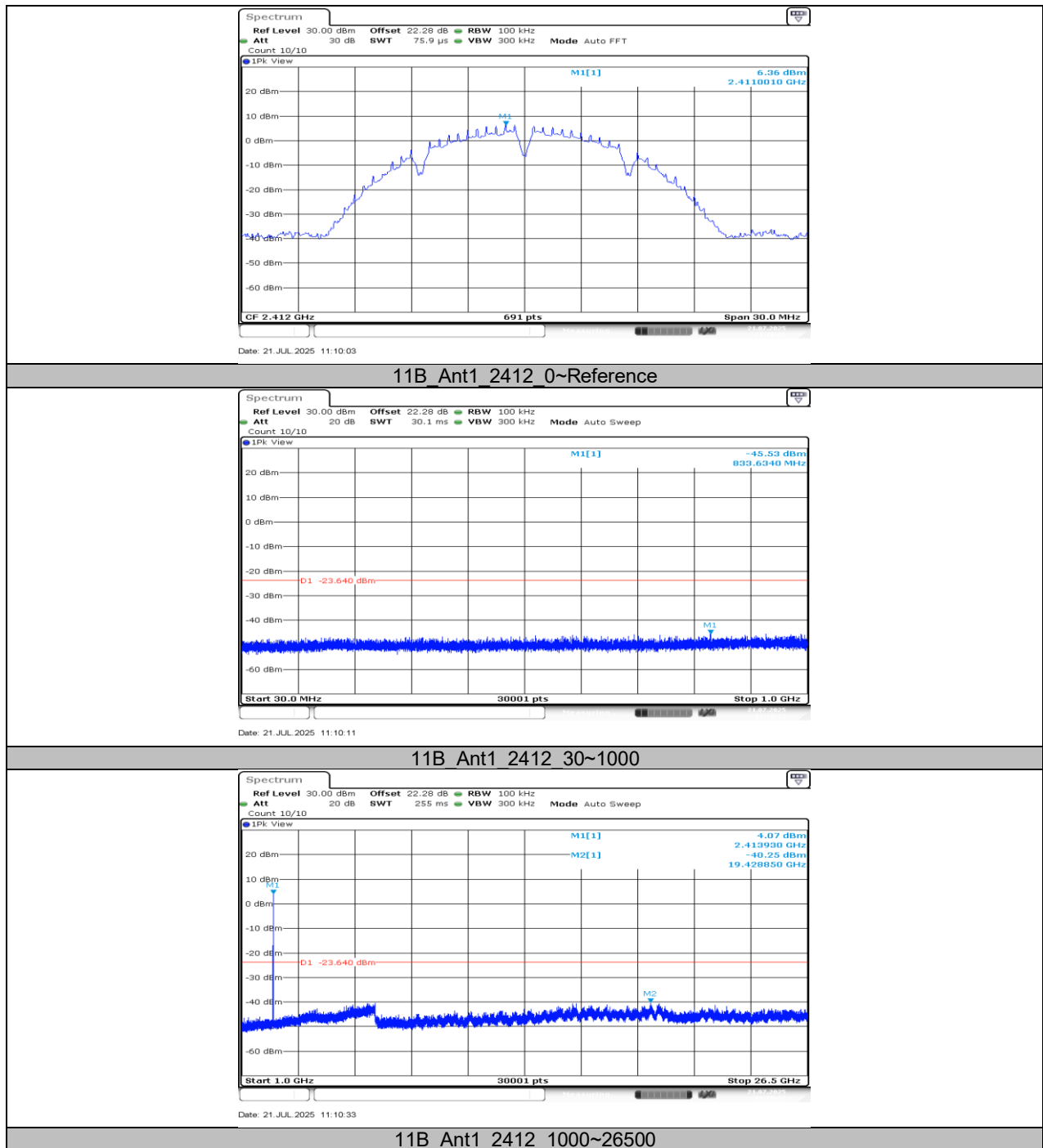
## 11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

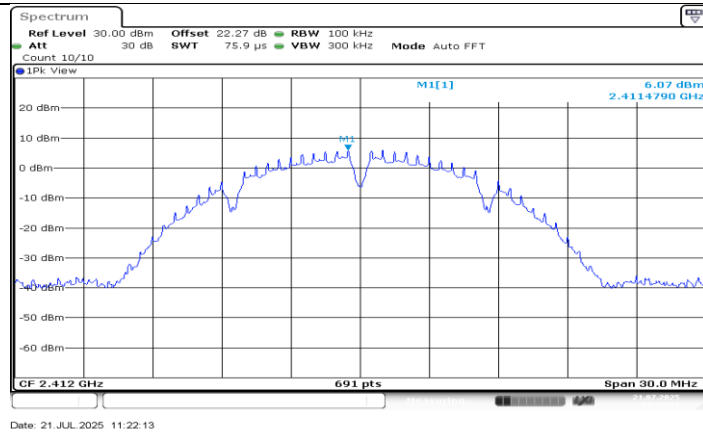
### 11.6.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | FreqRange [Mhz] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|--------------|---------------|---------|
| 11B       | Ant1    | 2412           | Reference       | 6.36         | ---           | PASS    |
|           |         |                | 30~1000         | -45.53       | $\leq -23.64$ | PASS    |
|           |         |                | 1000~26500      | -40.25       | $\leq -23.64$ | PASS    |
|           | Ant2    | 2412           | Reference       | 6.07         | ---           | PASS    |
|           |         |                | 30~1000         | -44.5        | $\leq -23.93$ | PASS    |
|           |         |                | 1000~26500      | -40.01       | $\leq -23.93$ | PASS    |
|           | Ant1    | 2437           | Reference       | 6.65         | ---           | PASS    |
|           |         |                | 30~1000         | -45.41       | $\leq -23.35$ | PASS    |
|           |         |                | 1000~26500      | -37.73       | $\leq -23.35$ | PASS    |
|           | Ant2    | 2437           | Reference       | 6.43         | ---           | PASS    |
|           |         |                | 30~1000         | -45.58       | $\leq -23.57$ | PASS    |
|           |         |                | 1000~26500      | -39.59       | $\leq -23.57$ | PASS    |
|           | Ant1    | 2462           | Reference       | 6.07         | ---           | PASS    |
|           |         |                | 30~1000         | -45.2        | $\leq -23.93$ | PASS    |
|           |         |                | 1000~26500      | -40.03       | $\leq -23.93$ | PASS    |
|           | Ant2    | 2462           | Reference       | 5.95         | ---           | PASS    |
|           |         |                | 30~1000         | -45.67       | $\leq -24.05$ | PASS    |
|           |         |                | 1000~26500      | -40.27       | $\leq -24.05$ | PASS    |
| 11G-CDD   | Ant1    | 2412           | Reference       | 5.37         | ---           | PASS    |
|           |         |                | 30~1000         | -44.64       | $\leq -24.63$ | PASS    |
|           |         |                | 1000~26500      | -40.12       | $\leq -24.63$ | PASS    |
|           | Ant2    | 2412           | Reference       | 5.40         | ---           | PASS    |
|           |         |                | 30~1000         | -45.39       | $\leq -24.6$  | PASS    |
|           |         |                | 1000~26500      | -39.98       | $\leq -24.6$  | PASS    |
|           | Ant1    | 2437           | Reference       | 5.17         | ---           | PASS    |
|           |         |                | 30~1000         | -45.43       | $\leq -24.83$ | PASS    |
|           |         |                | 1000~26500      | -39.92       | $\leq -24.83$ | PASS    |
|           | Ant2    | 2437           | Reference       | 4.85         | ---           | PASS    |
|           |         |                | 30~1000         | -44.5        | $\leq -25.15$ | PASS    |
|           |         |                | 1000~26500      | -40.3        | $\leq -25.15$ | PASS    |
|           | Ant1    | 2462           | Reference       | 5.01         | ---           | PASS    |
|           |         |                | 30~1000         | -45.53       | $\leq -24.99$ | PASS    |
|           |         |                | 1000~26500      | -39.37       | $\leq -24.99$ | PASS    |
|           | Ant2    | 2462           | Reference       | 5.19         | ---           | PASS    |
|           |         |                | 30~1000         | -45.5        | $\leq -24.81$ | PASS    |
|           |         |                | 1000~26500      | -40.27       | $\leq -24.81$ | PASS    |
| 11N20MIMO | Ant1    | 2412           | Reference       | 4.61         | ---           | PASS    |
|           |         |                | 30~1000         | -44.91       | $\leq -25.39$ | PASS    |
|           |         |                | 1000~26500      | -39.65       | $\leq -25.39$ | PASS    |
|           | Ant2    | 2412           | Reference       | 4.31         | ---           | PASS    |
|           |         |                | 30~1000         | -45.05       | $\leq -25.69$ | PASS    |
|           |         |                | 1000~26500      | -39.67       | $\leq -25.69$ | PASS    |
|           | Ant1    | 2437           | Reference       | 4.38         | ---           | PASS    |
|           |         |                | 30~1000         | -45.06       | $\leq -25.62$ | PASS    |
|           |         |                | 1000~26500      | -40.03       | $\leq -25.62$ | PASS    |
|           | Ant2    | 2437           | Reference       | 4.00         | ---           | PASS    |
|           |         |                | 30~1000         | -45.17       | $\leq -26$    | PASS    |
|           |         |                | 1000~26500      | -39.71       | $\leq -26$    | PASS    |
|           | Ant1    | 2462           | Reference       | 4.02         | ---           | PASS    |
|           |         |                | 30~1000         | -45.35       | $\leq -25.98$ | PASS    |
|           |         |                | 1000~26500      | -39.93       | $\leq -25.98$ | PASS    |
|           | Ant2    | 2462           | Reference       | 3.95         | ---           | PASS    |
|           |         |                | 30~1000         | -45.13       | $\leq -26.05$ | PASS    |
|           |         |                | 1000~26500      | -39.24       | $\leq -26.05$ | PASS    |
| 11N40MIMO | Ant1    | 2422           | Reference       | 1.85         | ---           | PASS    |

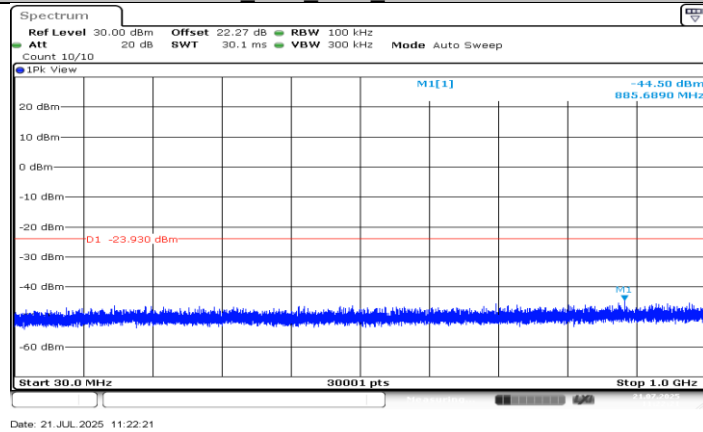
|  |      |      |            |        |               |      |
|--|------|------|------------|--------|---------------|------|
|  |      |      | 30~1000    | -44.9  | $\leq -28.15$ | PASS |
|  |      |      | 1000~26500 | -40.15 | $\leq -28.15$ | PASS |
|  | Ant2 | 2422 | Reference  | 1.71   | ---           | PASS |
|  |      |      | 30~1000    | -45.51 | $\leq -28.29$ | PASS |
|  |      |      | 1000~26500 | -40.02 | $\leq -28.29$ | PASS |
|  | Ant1 | 2437 | Reference  | 2.08   | ---           | PASS |
|  |      |      | 30~1000    | -45.5  | $\leq -27.92$ | PASS |
|  |      |      | 1000~26500 | -39.83 | $\leq -27.92$ | PASS |
|  | Ant2 | 2437 | Reference  | 2.15   | ---           | PASS |
|  |      |      | 30~1000    | -45.24 | $\leq -27.85$ | PASS |
|  |      |      | 1000~26500 | -39.81 | $\leq -27.85$ | PASS |
|  | Ant1 | 2452 | Reference  | 1.44   | ---           | PASS |
|  |      |      | 30~1000    | -45.34 | $\leq -28.56$ | PASS |
|  |      |      | 1000~26500 | -40.35 | $\leq -28.56$ | PASS |
|  | Ant2 | 2452 | Reference  | 1.61   | ---           | PASS |
|  |      |      | 30~1000    | -45.4  | $\leq -28.39$ | PASS |
|  |      |      | 1000~26500 | -39.66 | $\leq -28.39$ | PASS |

## 11.6.2. Test Graphs

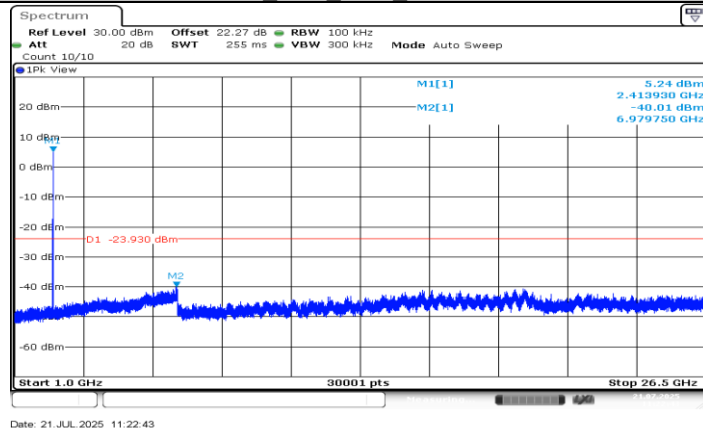




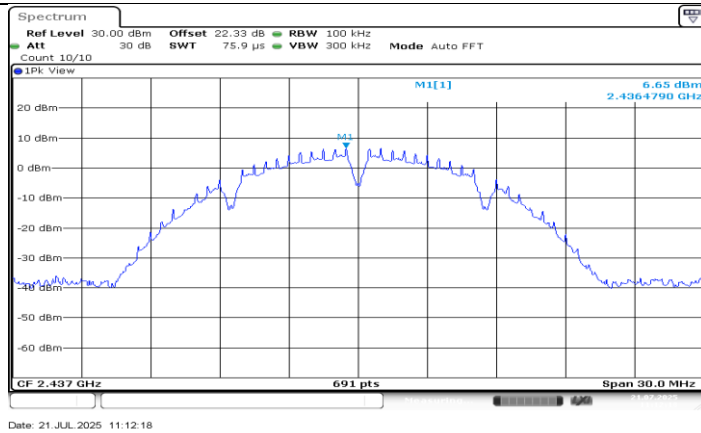
### 11B\_Ant2\_2412\_0~Reference



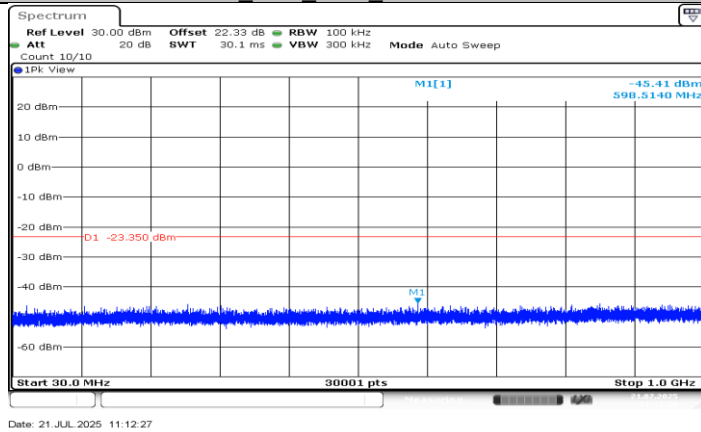
### 11B\_Ant2\_2412\_30~1000



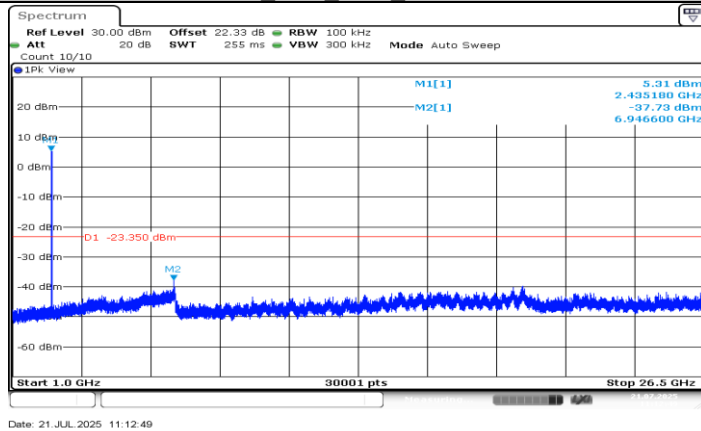
### 11B\_Ant2\_2412\_1000~26500



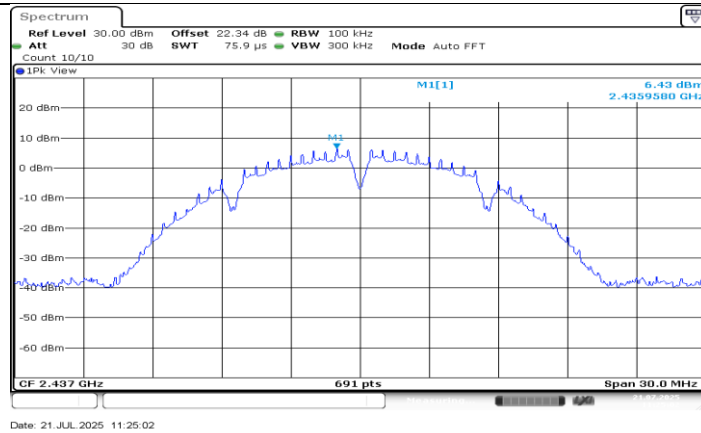
### 11B\_Ant1\_2437\_0~Reference



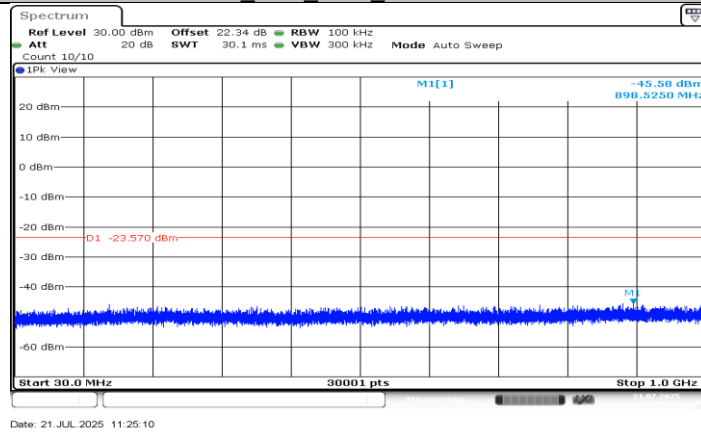
### 11B\_Ant1\_2437\_30~1000



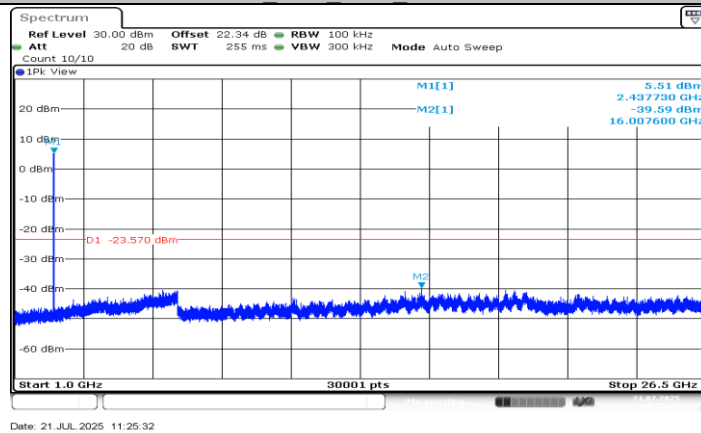
### 11B\_Ant1\_2437\_1000~26500



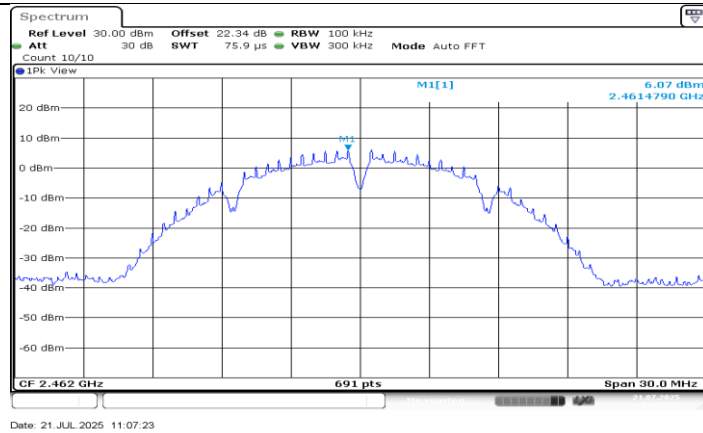
### 11B\_Ant2\_2437\_0~Reference



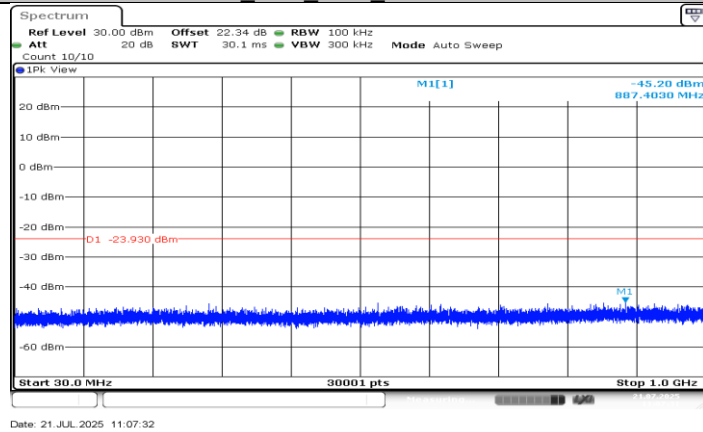
### 11B\_Ant2\_2437\_30~1000



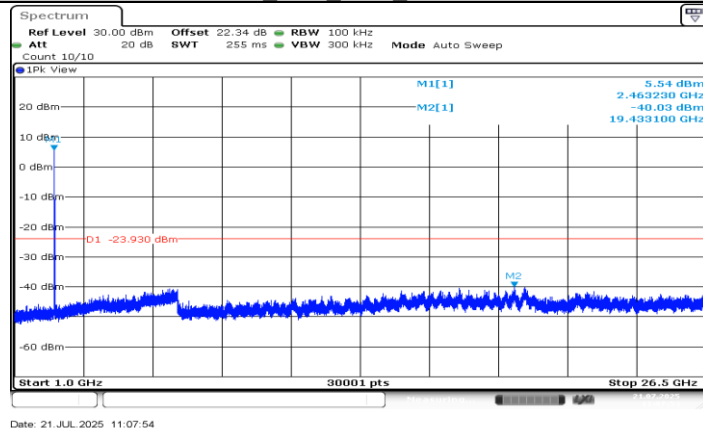
### 11B\_Ant2\_2437\_1000~26500



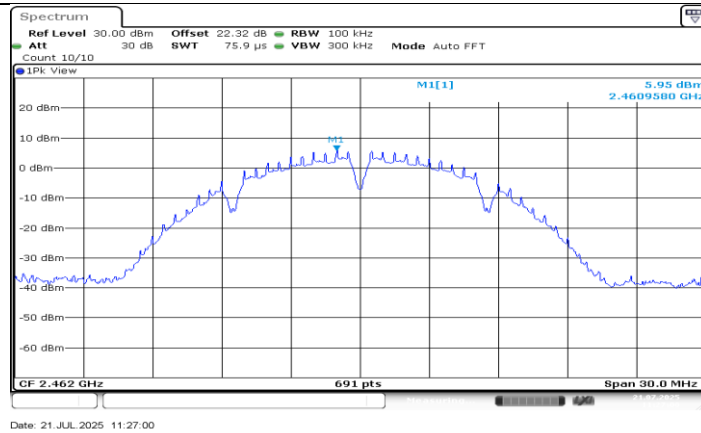
### 11B\_Ant1\_2462\_0~Reference



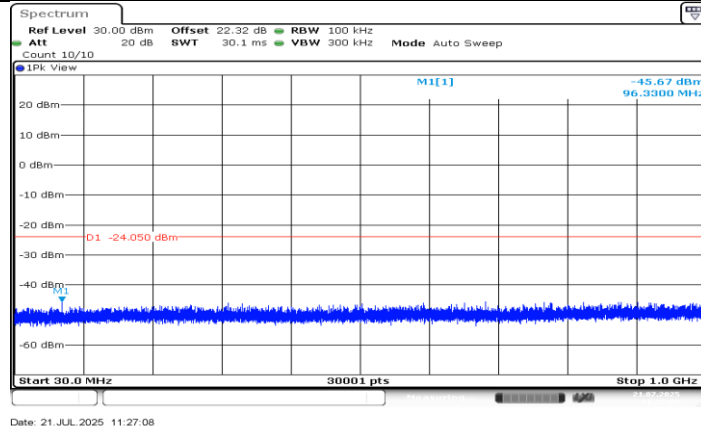
### 11B\_Ant1\_2462\_1000~26500



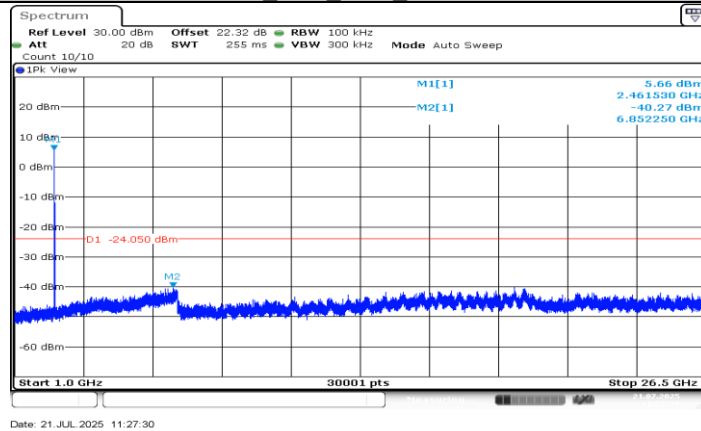
### 11B\_Ant1\_2462\_1000~26500

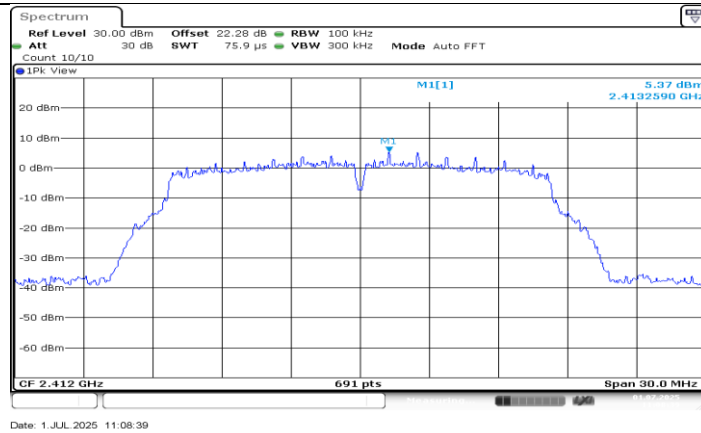


### 11B\_Ant2\_2462\_0~Reference

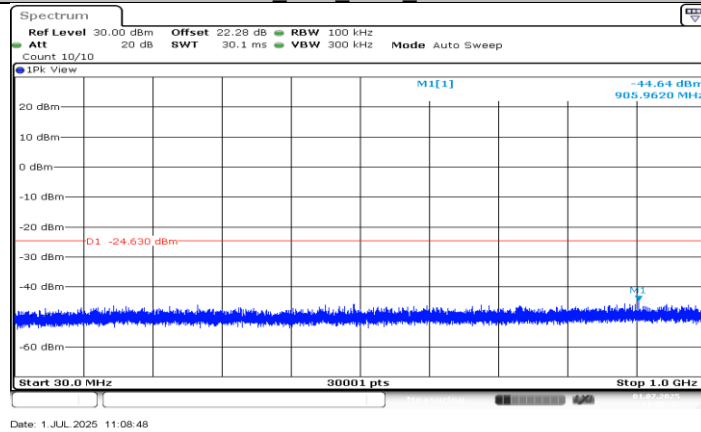


### 11B\_Ant2\_2462\_1000~26500

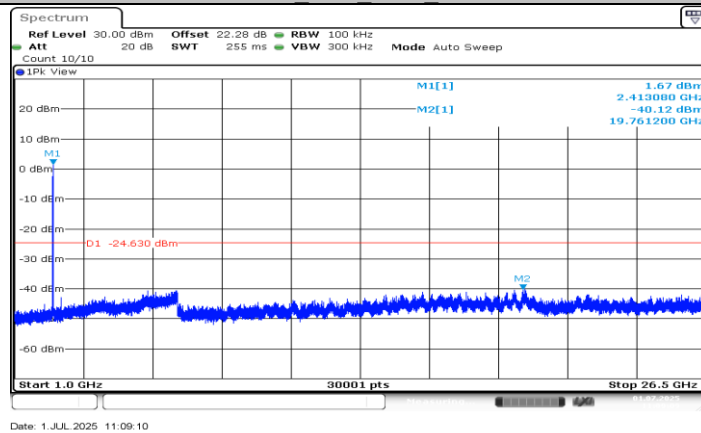




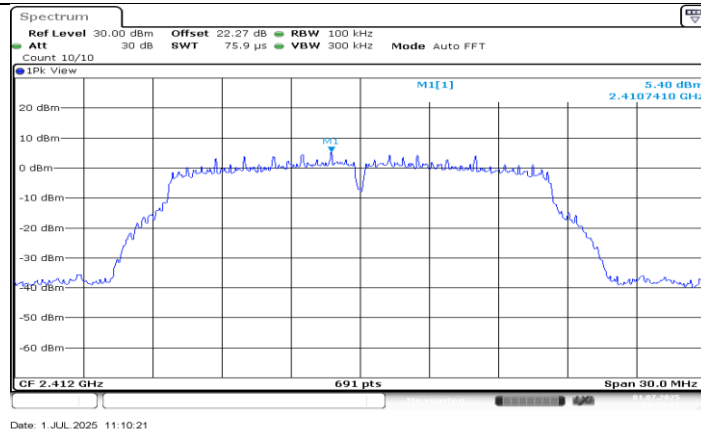
11G-CDD\_Ant1\_2412\_0~Reference



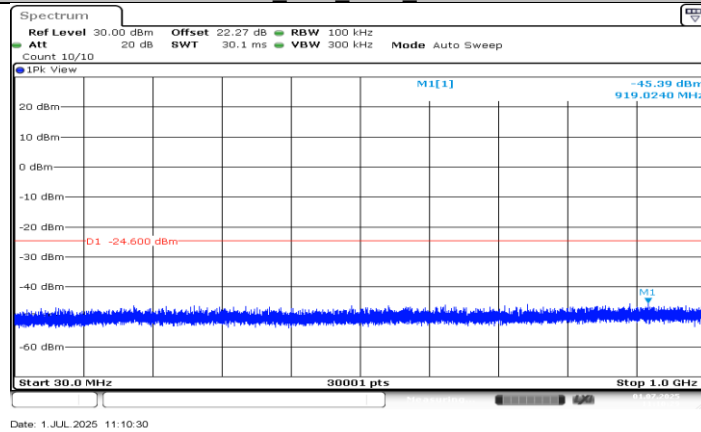
11G-CDD\_Ant1\_2412\_30~1000



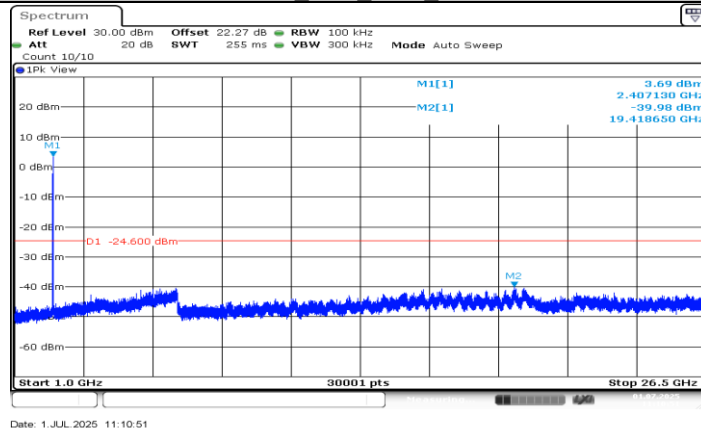
11G-CDD\_Ant1\_2412\_1000~26500



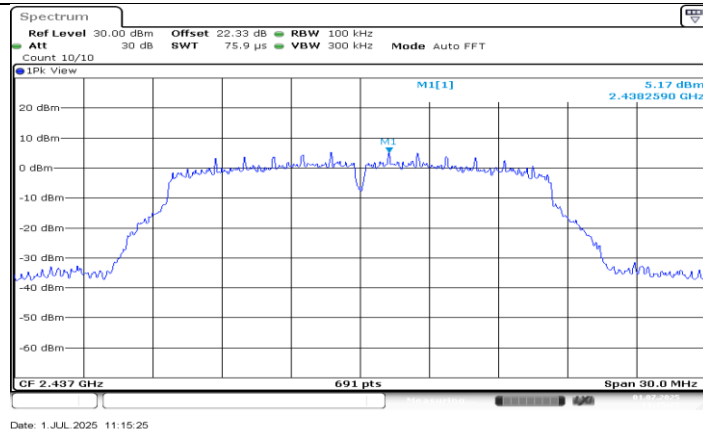
11G-CDD\_Ant2\_2412\_0~Reference



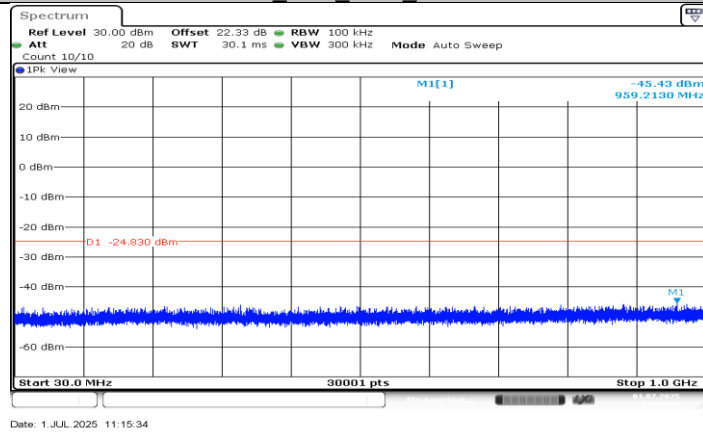
11G-CDD\_Ant2\_2412\_30~1000



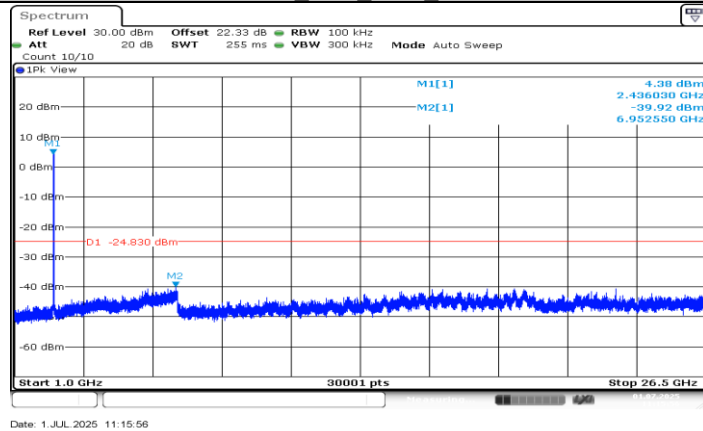
11G-CDD\_Ant2\_2412\_1000~26500



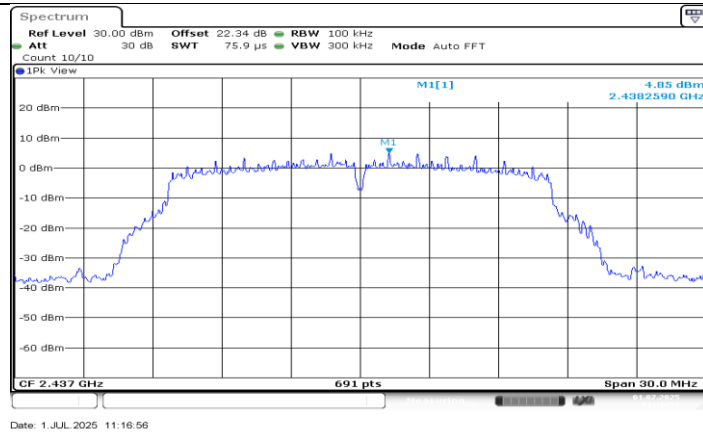
### 11G-CDD Ant1\_2437\_0~Reference



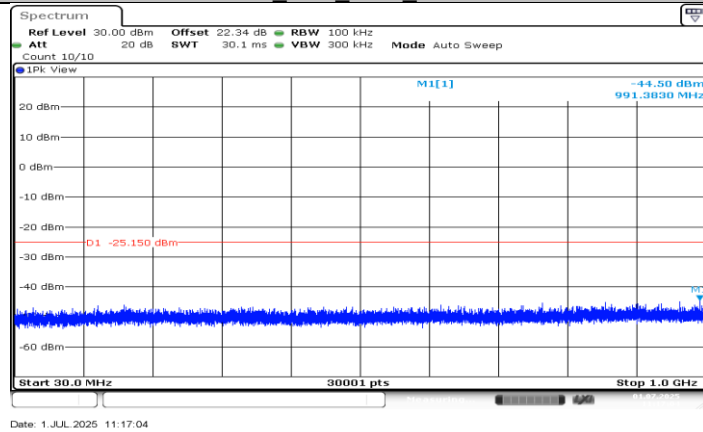
### 11G-CDD Ant1\_2437\_30~1000



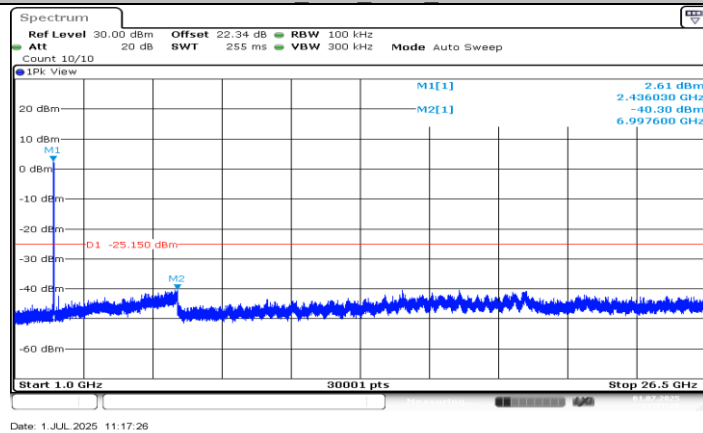
### 11G-CDD Ant1\_2437\_1000~26500



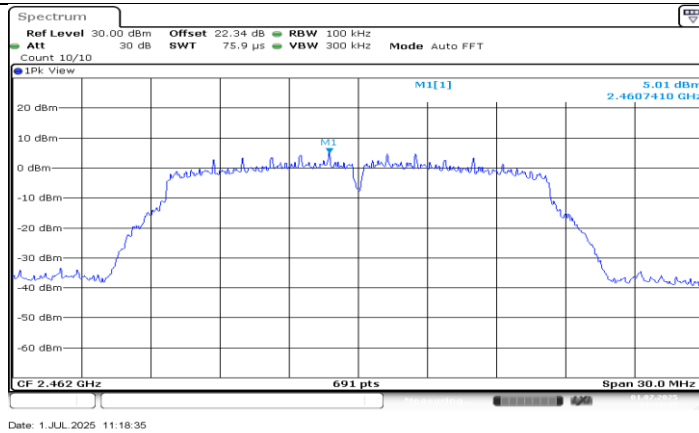
11G-CDD\_Ant2\_2437\_0~Reference



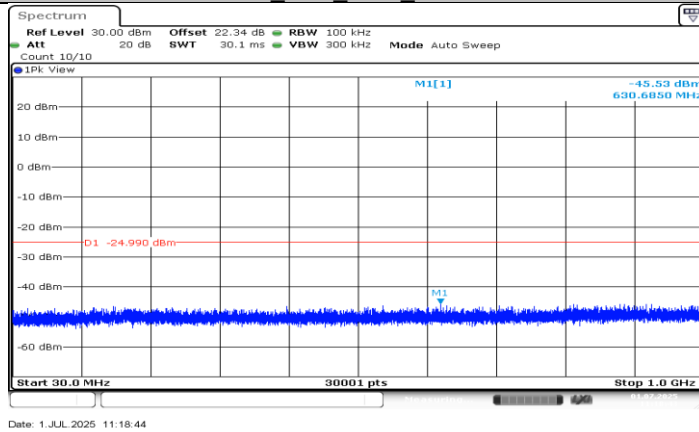
11G-CDD\_Ant2\_2437\_30~1000



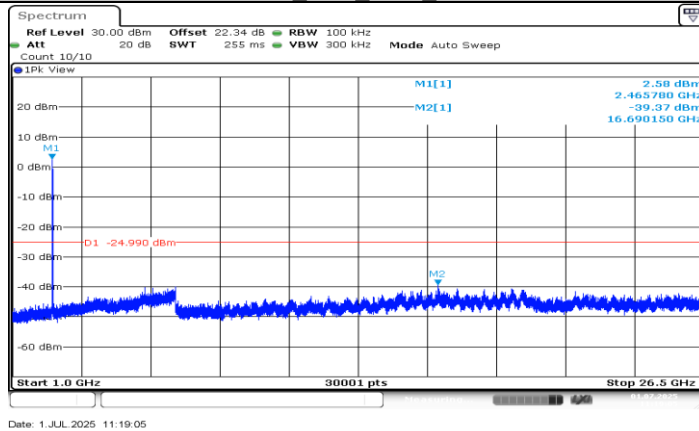
11G-CDD\_Ant2\_2437\_1000~26500



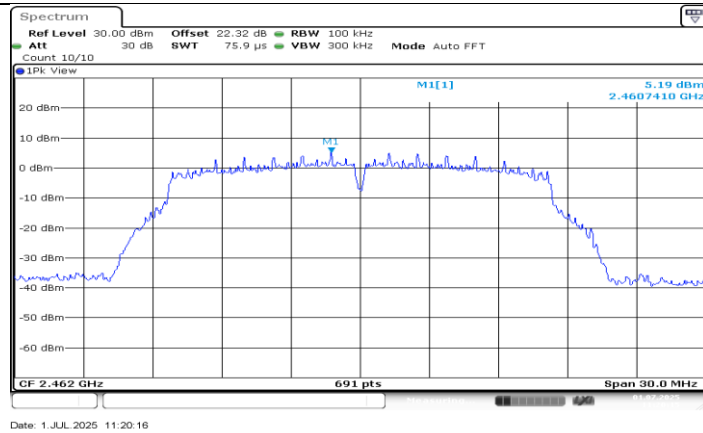
### 11G-CDD\_Ant1\_2462\_0~Reference



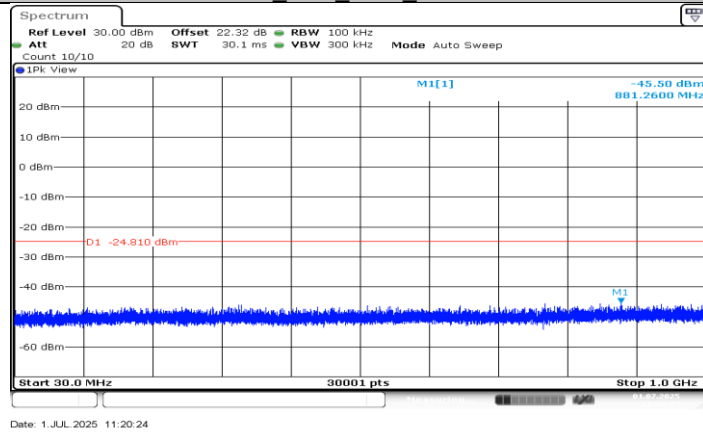
### 11G-CDD\_Ant1\_2462\_30~1000



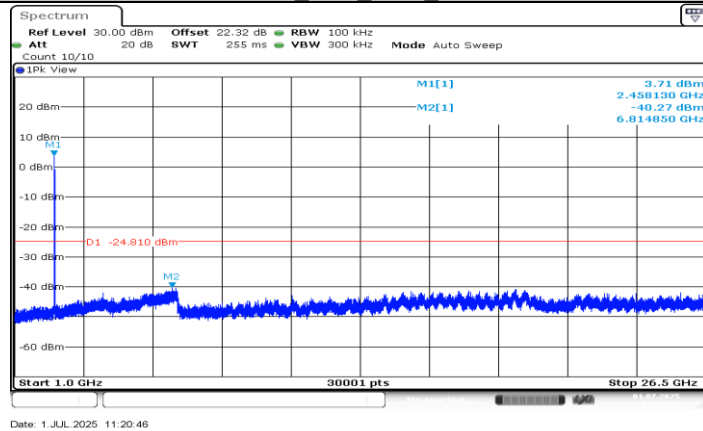
### 11G-CDD\_Ant1\_2462\_1000~26500



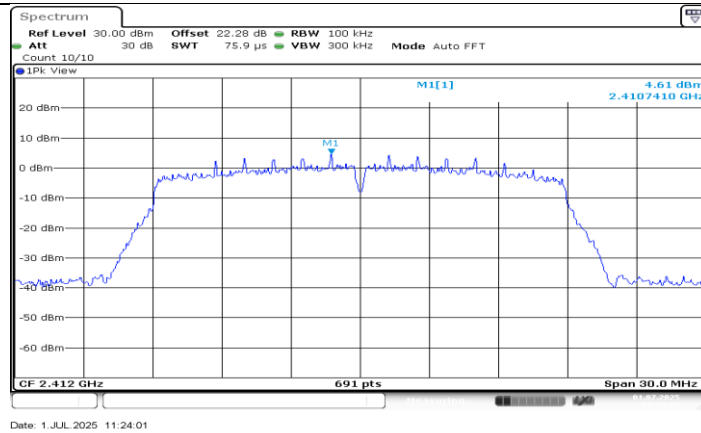
11G-CDD\_Ant2\_2462\_0~Reference



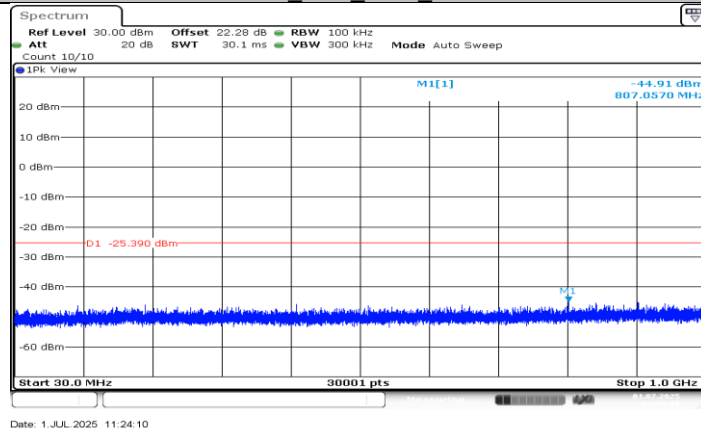
11G-CDD\_Ant2\_2462\_30~1000



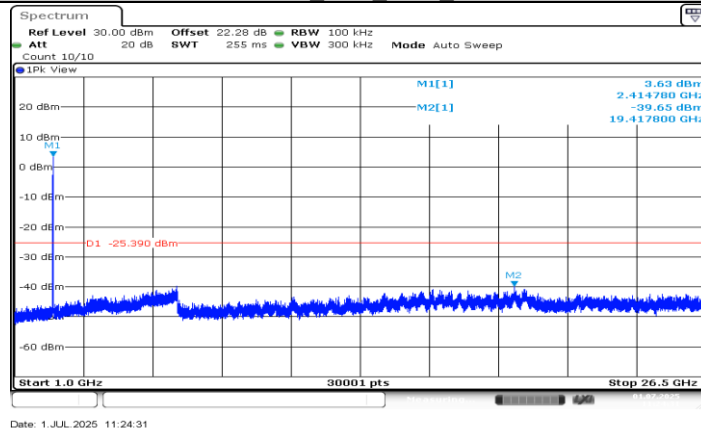
11G-CDD\_Ant2\_2462\_1000~26500



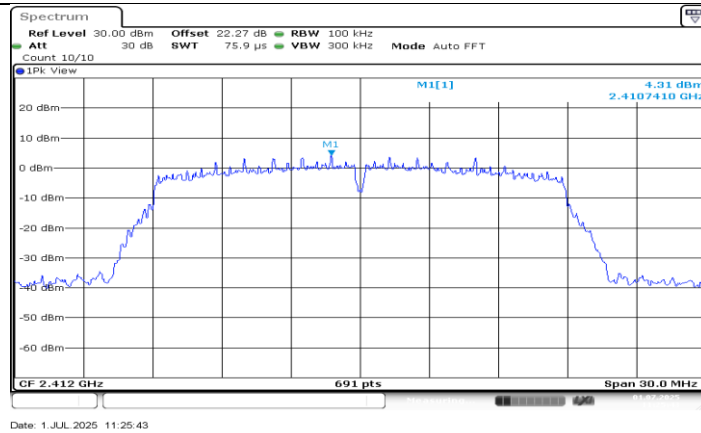
### 11N20MIMO Ant1\_2412\_0~Reference



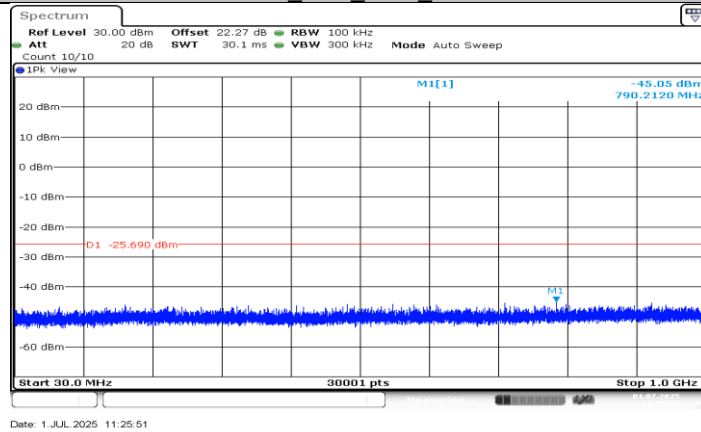
### 11N20MIMO Ant1\_2412\_30~1000



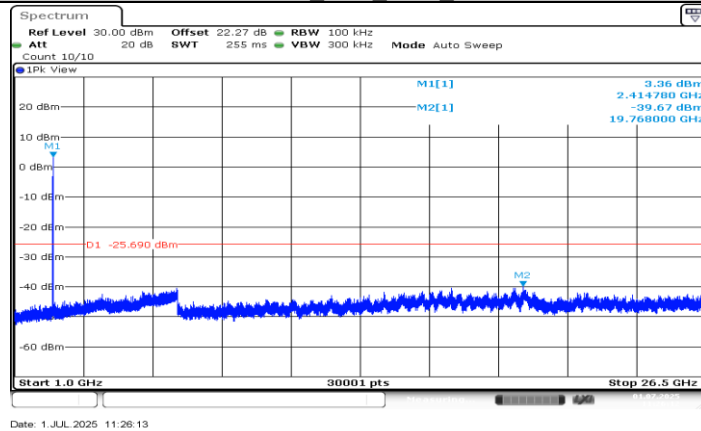
### 11N20MIMO Ant1\_2412\_1000~26500



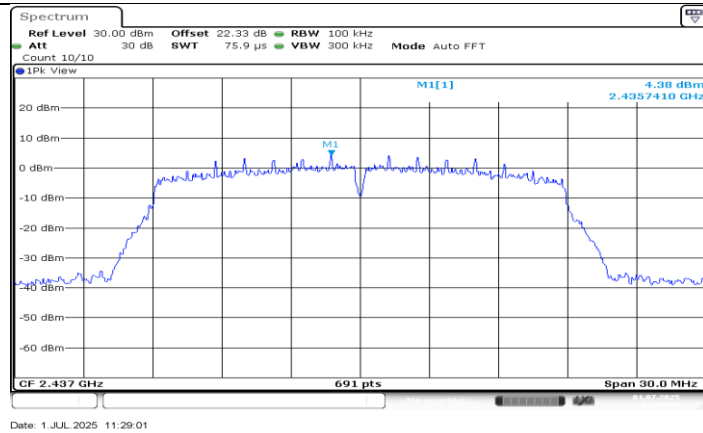
### 11N20MIMO Ant2 2412 0~Reference



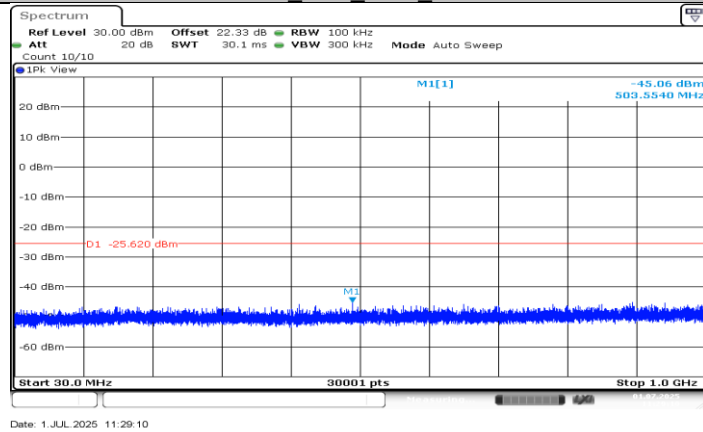
### 11N20MIMO Ant2 2412 30~1000



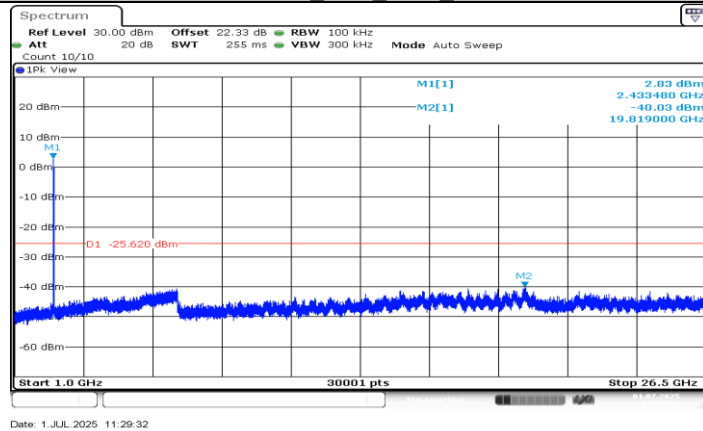
### 11N20MIMO Ant2 2412 1000~26500



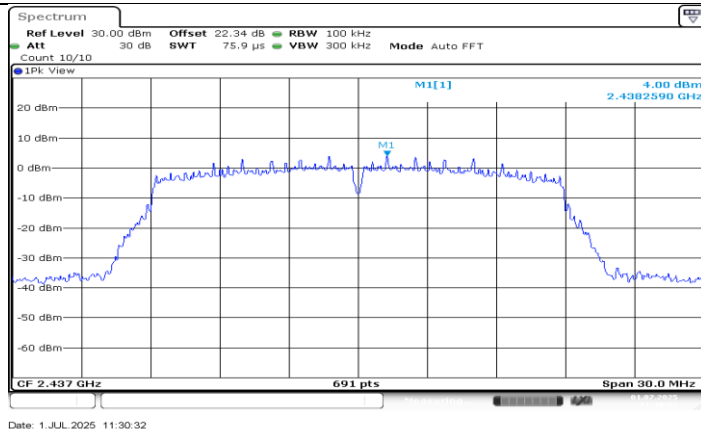
### 11N20MIMO Ant1\_2437\_0~Reference



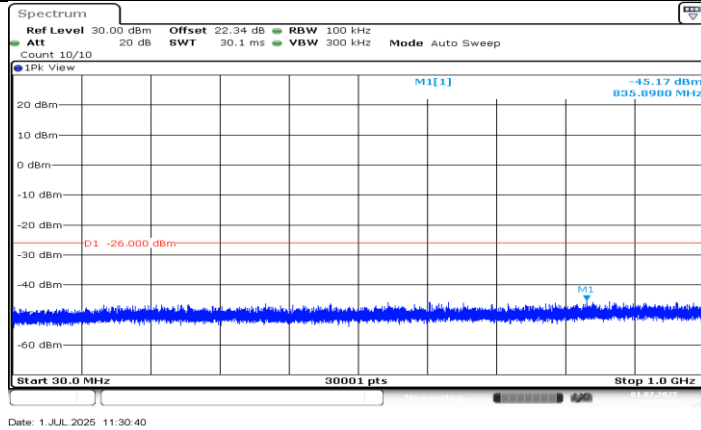
### 11N20MIMO Ant1\_2437\_30~1000



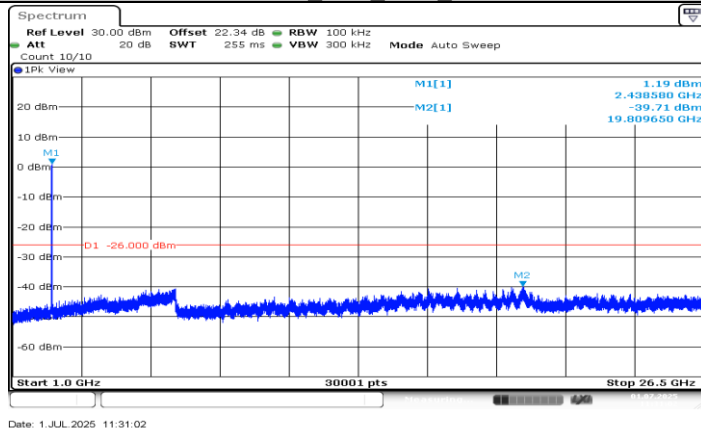
### 11N20MIMO Ant1\_2437\_1000~26500



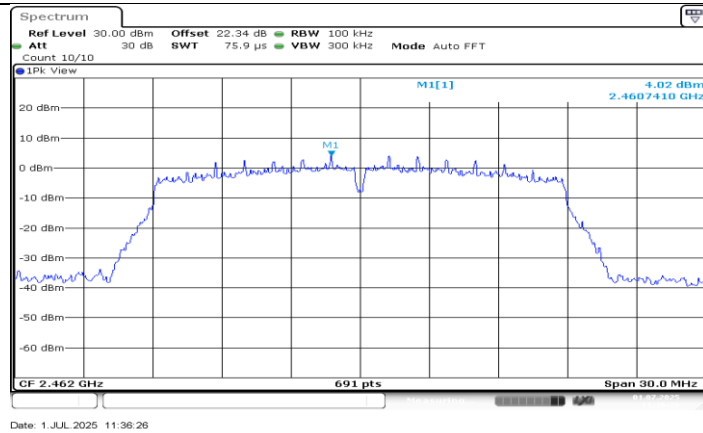
### 11N20MIMO Ant2 2437 0~Reference



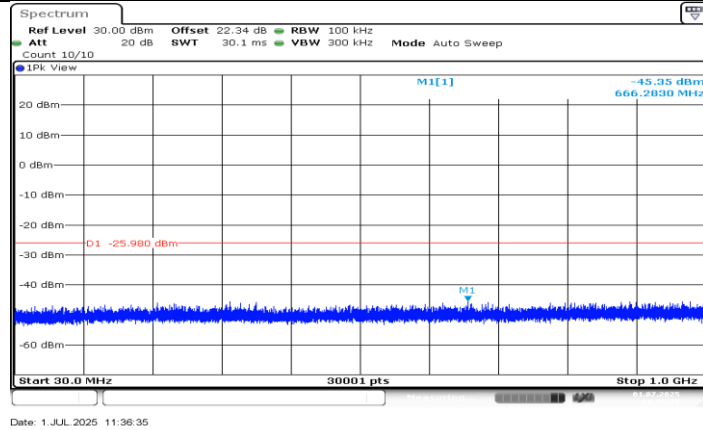
### 11N20MIMO Ant2 2437 30~1000



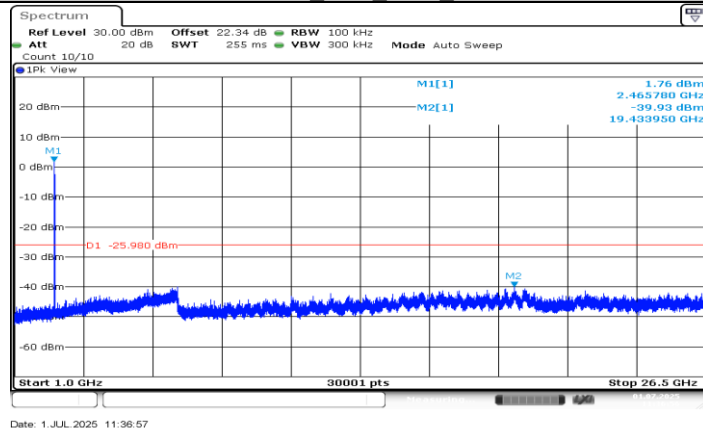
### 11N20MIMO Ant2 2437 1000~26500



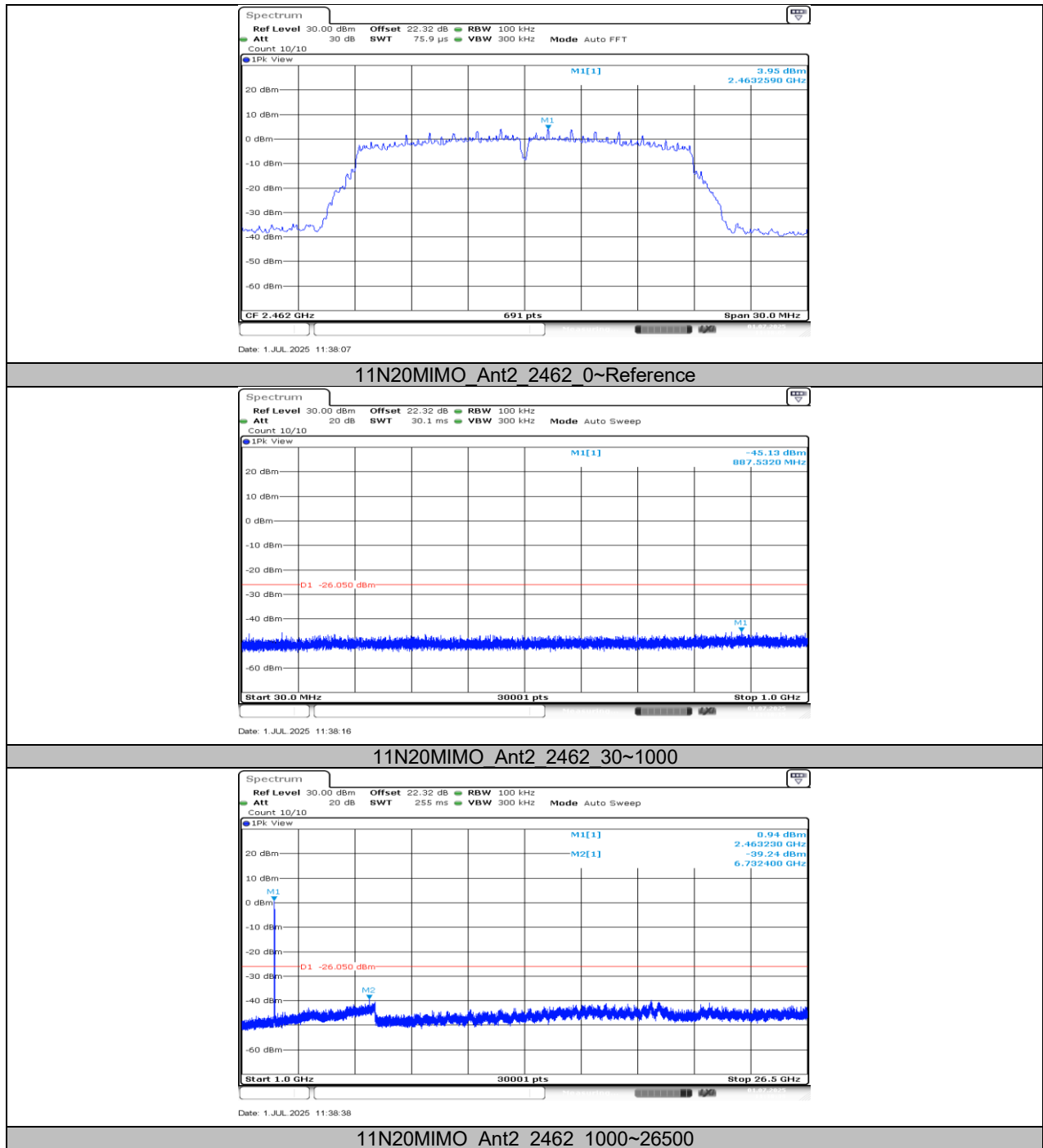
### 11N20MIMO Ant1\_2462\_0~Reference

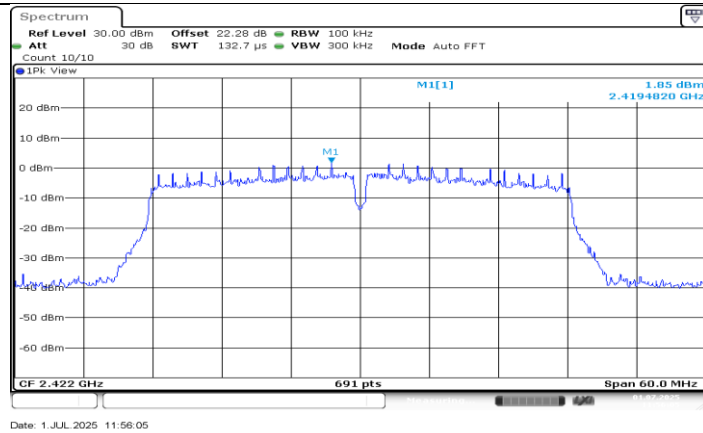


### 11N20MIMO Ant1\_2462\_1000~26500

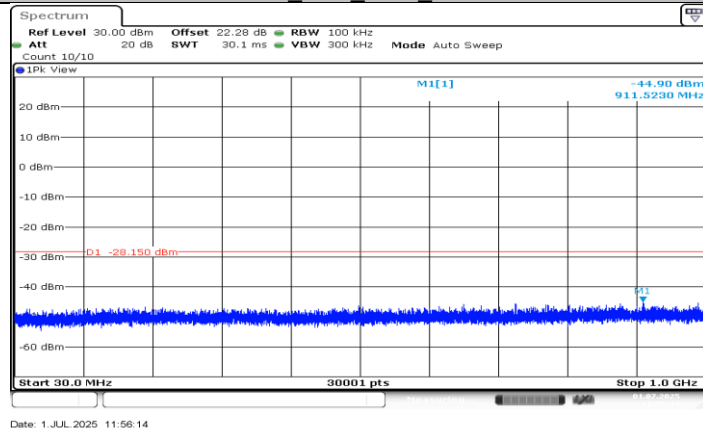


### 11N20MIMO Ant1\_2462\_1000~26500

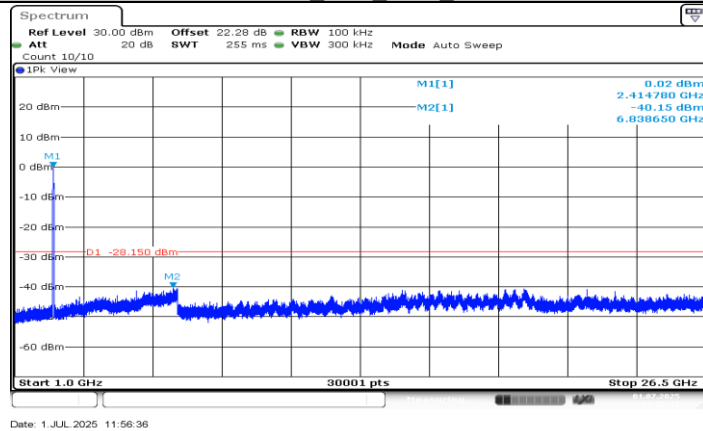




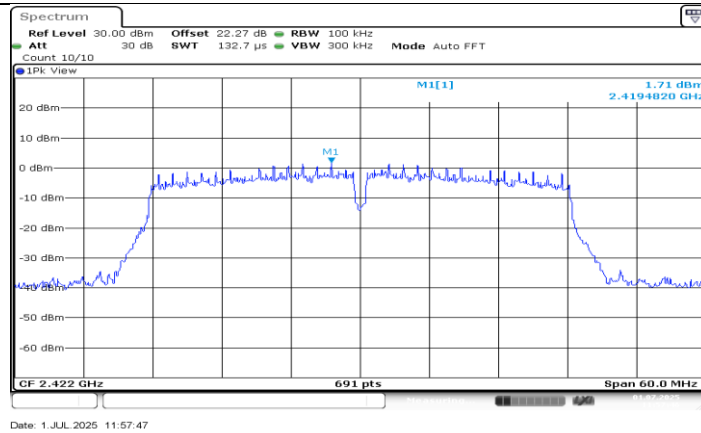
#### 11N40MIMO Ant1\_2422\_0~Reference



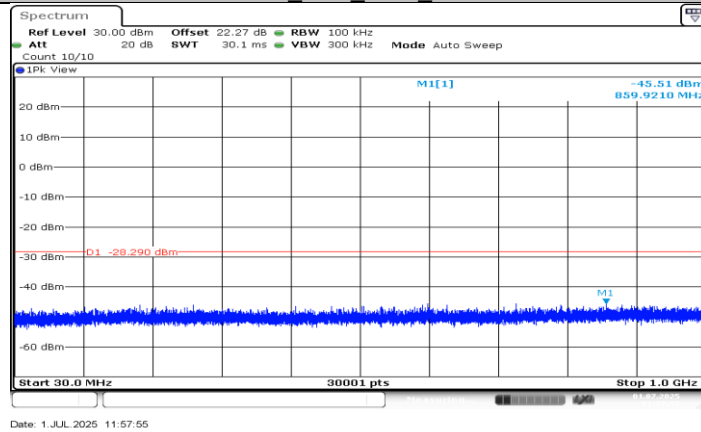
#### 11N40MIMO Ant1\_2422\_1000~26500



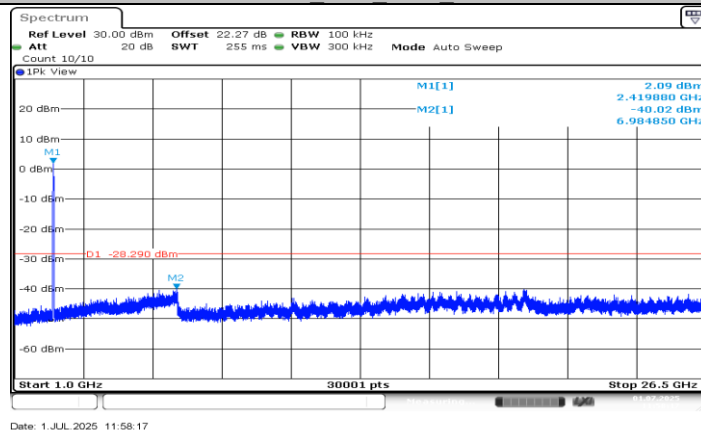
#### 11N40MIMO Ant1\_2422\_1000~26500



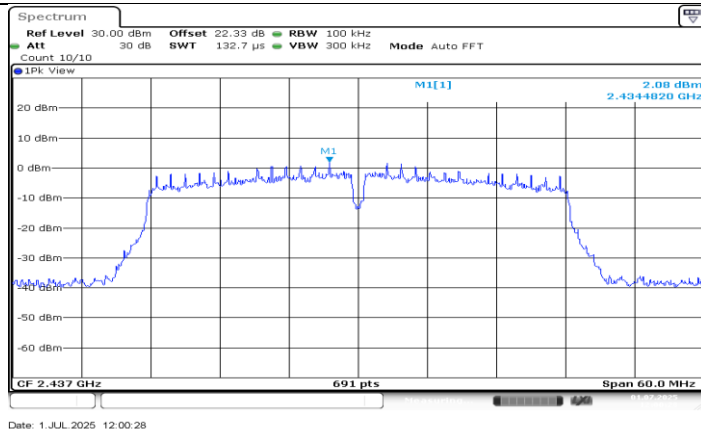
### 11N40MIMO\_Ant2\_2422\_0~Reference



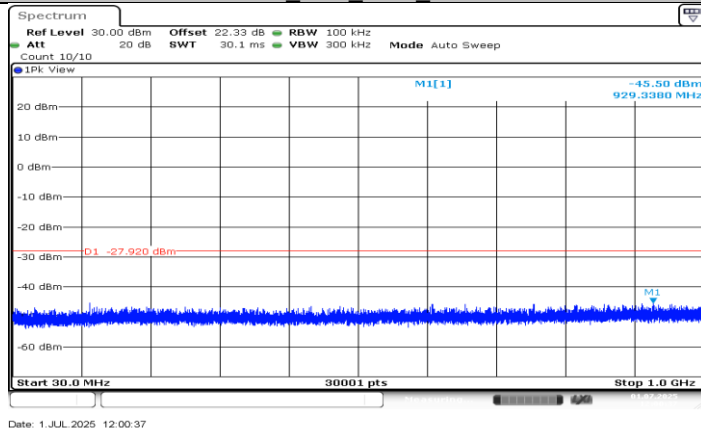
### 11N40MIMO\_Ant2\_2422\_30~1000



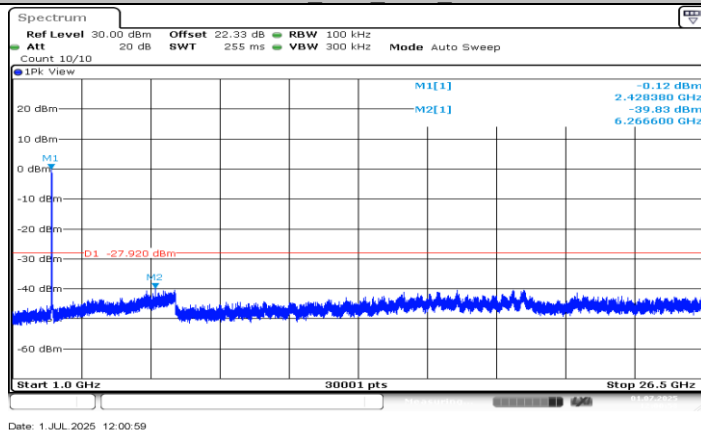
### 11N40MIMO\_Ant2\_2422\_1000~26500



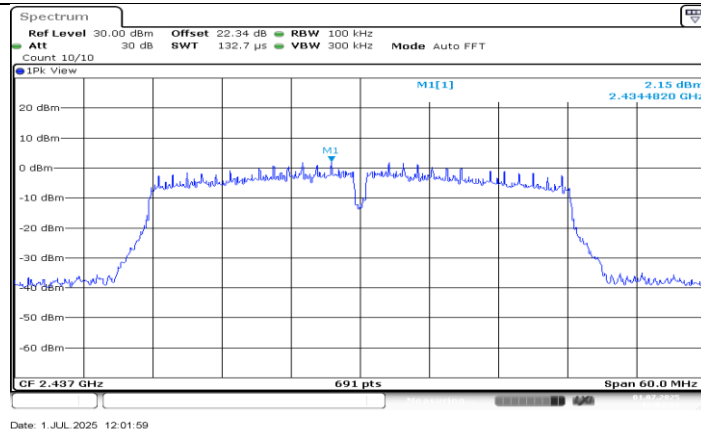
### 11N40MIMO Ant1\_2437\_0~Reference



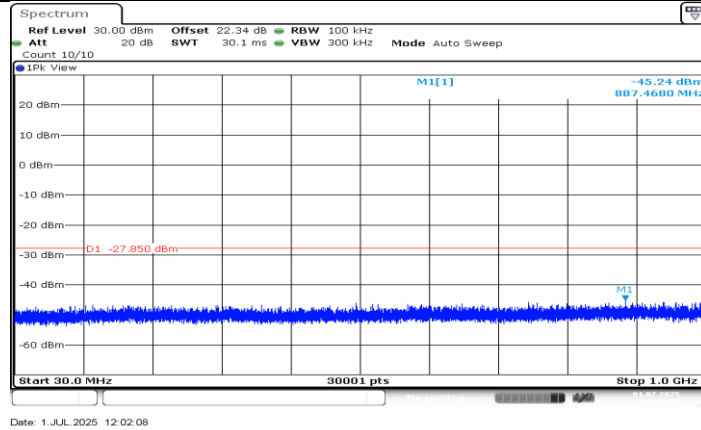
### 11N40MIMO Ant1\_2437\_30~1000



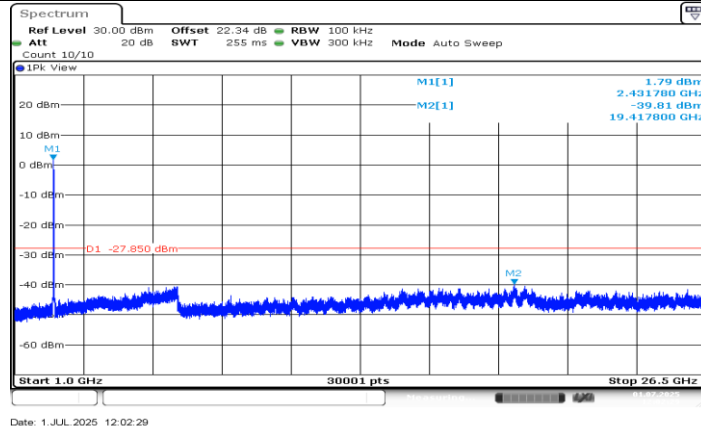
### 11N40MIMO Ant1\_2437\_1000~26500



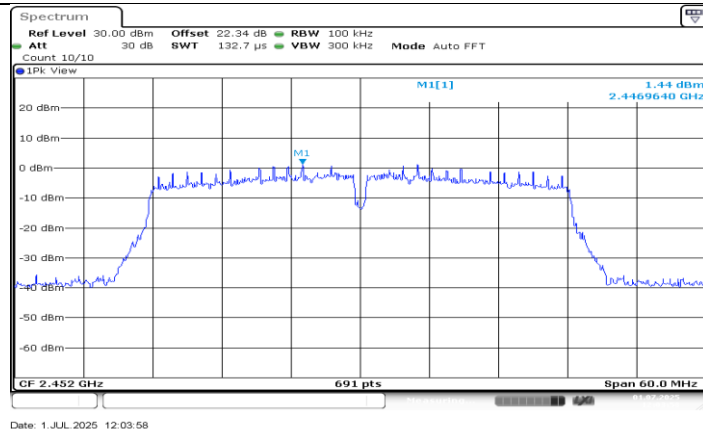
### 11N40MIMO Ant2 2437 0~Reference



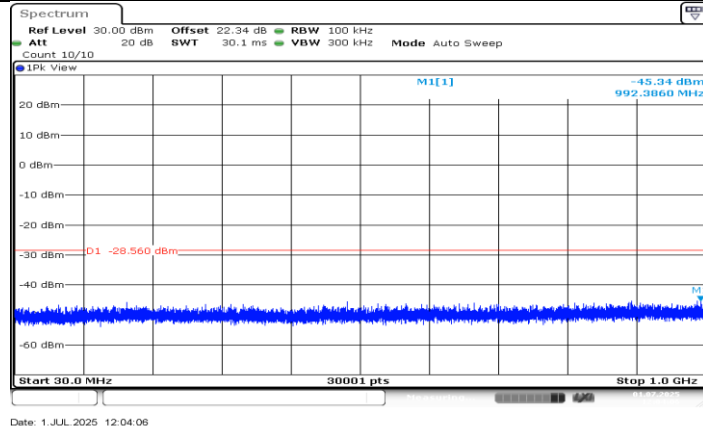
### 11N40MIMO Ant2 2437 30~1000



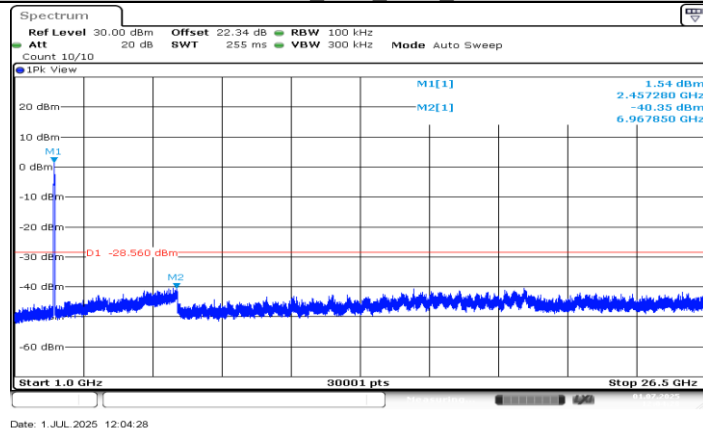
### 11N40MIMO Ant2 2437 1000~26500



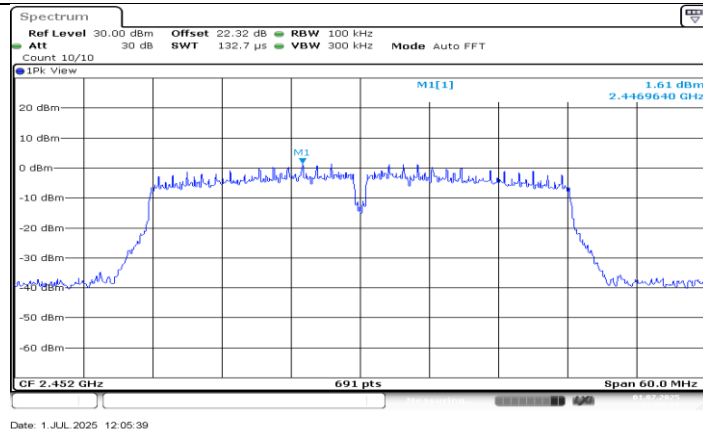
### 11N40MIMO Ant1\_2452\_0~Reference



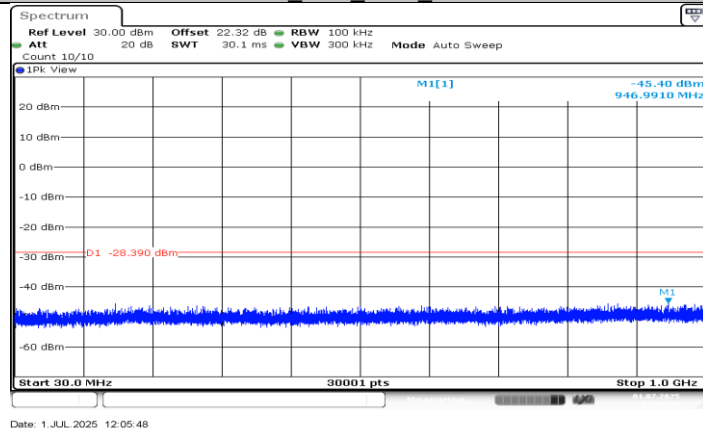
### 11N40MIMO Ant1\_2452\_1000~26500



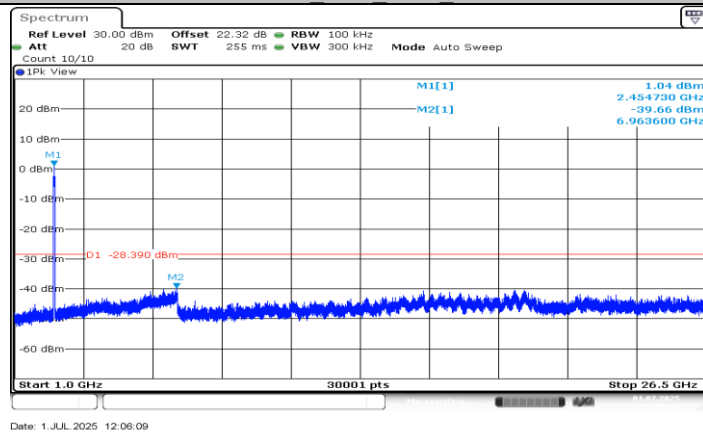
### 11N40MIMO Ant1\_2452\_1000~26500



### 11N40MIMO Ant2 2452 0~Reference



### 11N40MIMO Ant2 2452 30~1000



### 11N40MIMO Ant2 2452 1000~26500

**11.7. APPENDIX G: DUTY CYCLE****11.7.1. Test Result**

| Test Mode | On Time (msec) | Period (msec) | Duty Cycle x (Linear) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T Minimum VBW (kHz) | Final setting For VBW (kHz) |
|-----------|----------------|---------------|-----------------------|----------------|-----------------------------------|-----------------------|-----------------------------|
| 11B       | 8.37           | 8.42          | 0.9941                | 99.41          | 0.03                              | 0.12                  | 0.01                        |
| 11G-CDD   | 1.39           | 1.43          | 0.9720                | 97.20          | 0.12                              | 0.72                  | 1                           |
| 11N20MIMO | 1.29           | 1.34          | 0.9627                | 96.27          | 0.17                              | 0.78                  | 1                           |
| 11N40MIMO | 0.64           | 0.69          | 0.9275                | 92.75          | 0.33                              | 1.56                  | 2                           |

Note:

Duty Cycle Correction Factor=10log (1/x).

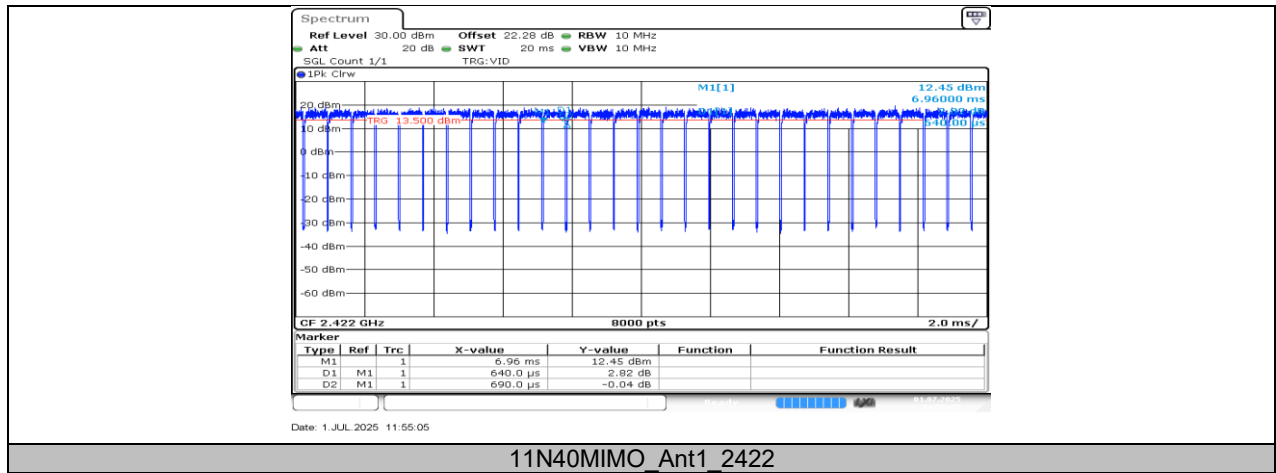
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

## 11.7.2. Test Graphs



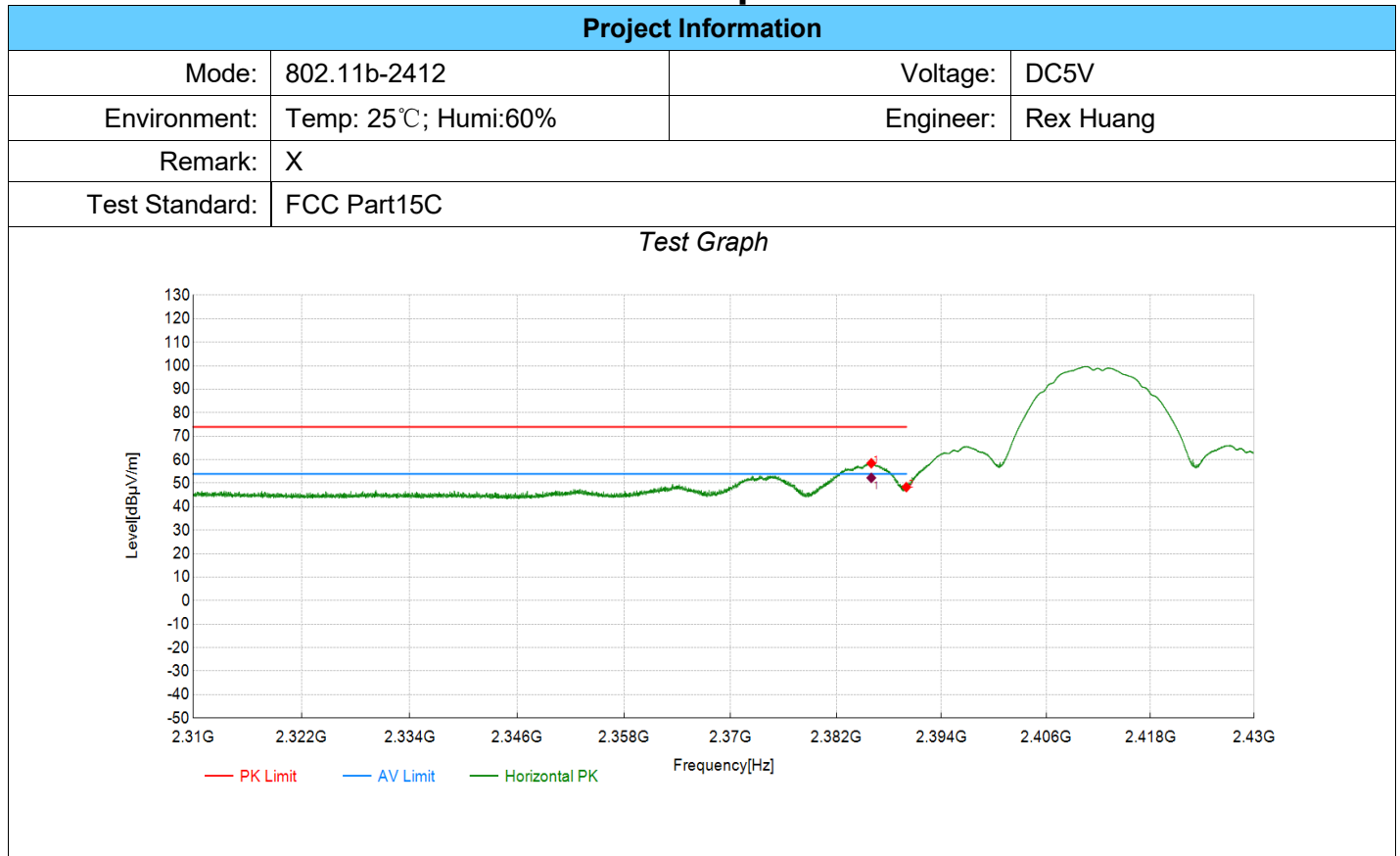


## 11.8. APPENDIX H: RADIATED BAND EDGE AND SPURIOUS EMISSION

### 11.8.1. Test Result

#### RESTRICTED BANDEDGE

### Test Report



| Suspected Data List |                 |                  |                |               |                |             |     |            |         |
|---------------------|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|---------|
| NO.                 | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict |
| 1                   | 2386.00         | 44.42            | 58.49          | 14.07         | 74.00          | 15.51       | PK  | Horizontal | PASS    |
| 2                   | 2390.00         | 34.28            | 48.36          | 14.08         | 74.00          | 25.64       | PK  | Horizontal | PASS    |

| Final Data List |                 |               |                     |                   |                   |                |            |         |
|-----------------|-----------------|---------------|---------------------|-------------------|-------------------|----------------|------------|---------|
| NO.             | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol        | Verdict |
| 1               | 2386.00         | 14.07         | 38.22               | 52.29             | 54.00             | 1.71           | Horizontal | PASS    |

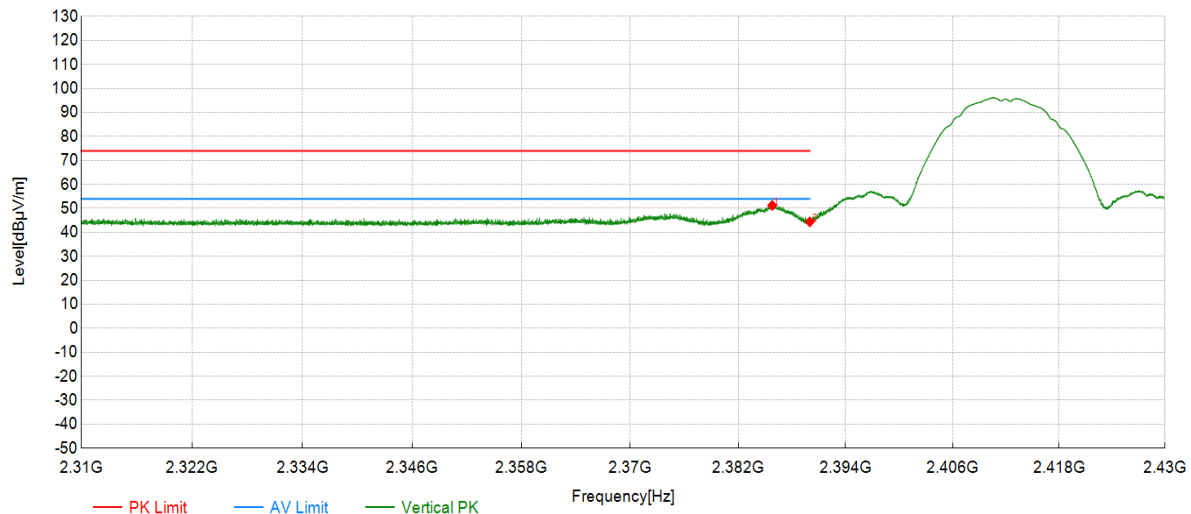
Note:(1)Level=Reading+Factor  
(2)Margin=Limit-Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11b-2412         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC Part15C          |           |           |

Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol      | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|----------|---------|
| 1   | 2385.81         | 37.16            | 51.23          | 14.07         | 74.00          | 22.77       | PK  | Vertical | PASS    |
| 2   | 2390.00         | 30.30            | 44.38          | 14.08         | 74.00          | 29.62       | PK  | Vertical | PASS    |

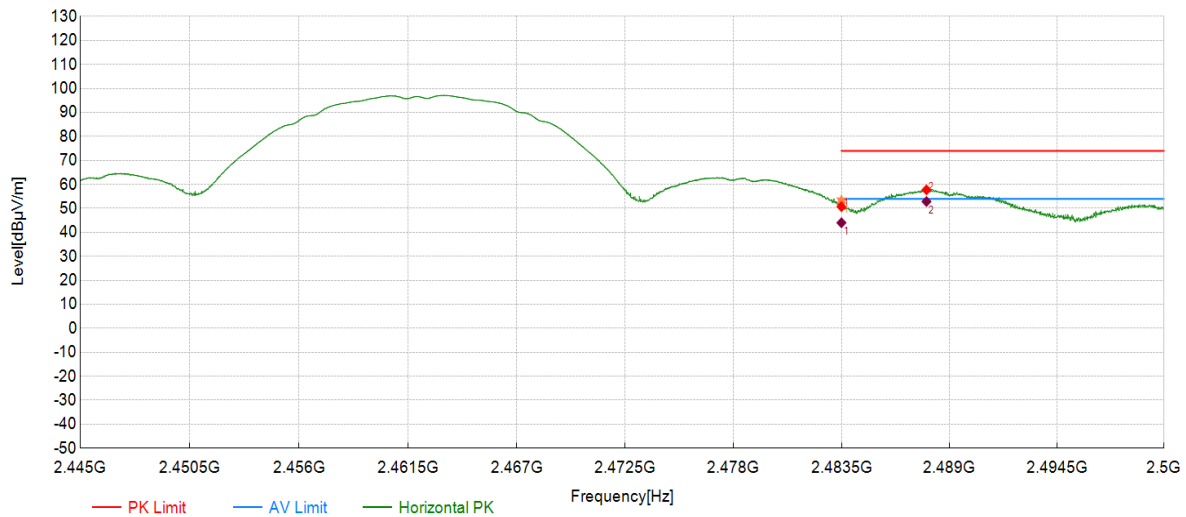
Note:(1)Level=Reading+Factor  
(2)Margin=Limit-Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11b-2462         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC Part15C          |           |           |

Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|---------|
| 1   | 2483.50         | 36.43            | 50.74          | 14.31         | 74.00          | 23.26       | PK  | Horizontal | PASS    |
| 2   | 2487.84         | 43.42            | 57.75          | 14.33         | 74.00          | 16.25       | PK  | Horizontal | PASS    |

### Final Data List

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol        | Verdict |
|-----|-----------------|---------------|---------------------|-------------------|-------------------|----------------|------------|---------|
| 1   | 2483.50         | 14.31         | 29.70               | 44.01             | 54.00             | 9.99           | Horizontal | PASS    |
| 2   | 2487.84         | 14.33         | 38.53               | 52.86             | 54.00             | 1.14           | Horizontal | PASS    |

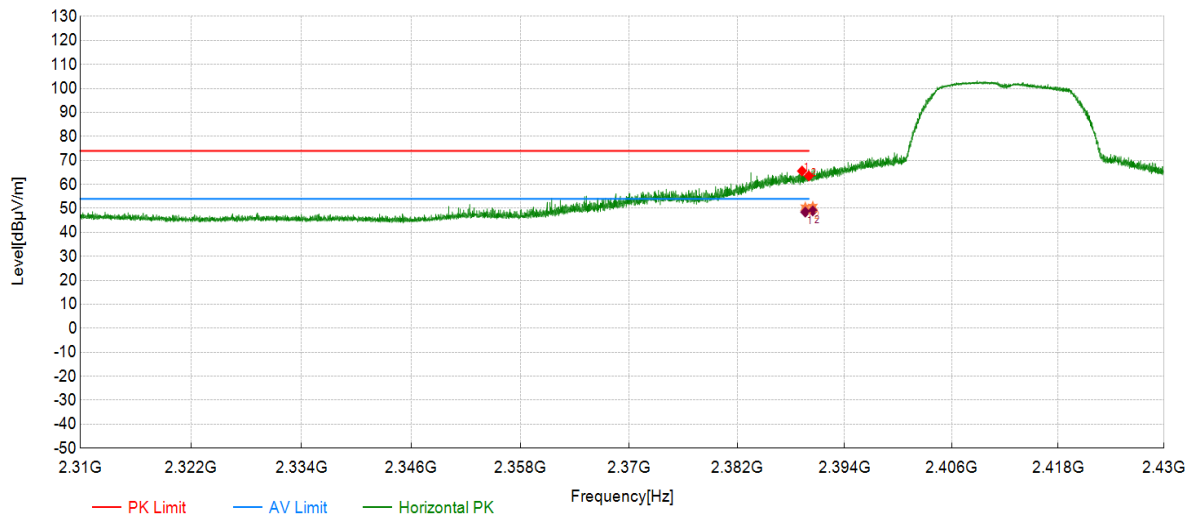
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11g-2412         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC Part15C          |           |           |

### Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol        | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-------------|------------|---------|
| 1   | 2389.24         | 51.52            | 65.59          | 14.07         | 74.00          | 8.41        | 100         | Horizontal | PASS    |
| 2   | 2390.00         | 49.47            | 63.55          | 14.08         | 74.00          | 10.45       | 100         | Horizontal | PASS    |

### Final Data List

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol        | Verdict |
|-----|-----------------|---------------|---------------------|-------------------|-------------------|----------------|------------|---------|
| 1   | 2389.61         | 14.07         | 34.39               | 48.46             | 54.00             | 5.54           | Horizontal | PASS    |
| 2   | 2390.44         | 14.08         | 34.87               | 48.95             | 54.00             | 5.05           | Horizontal | PASS    |

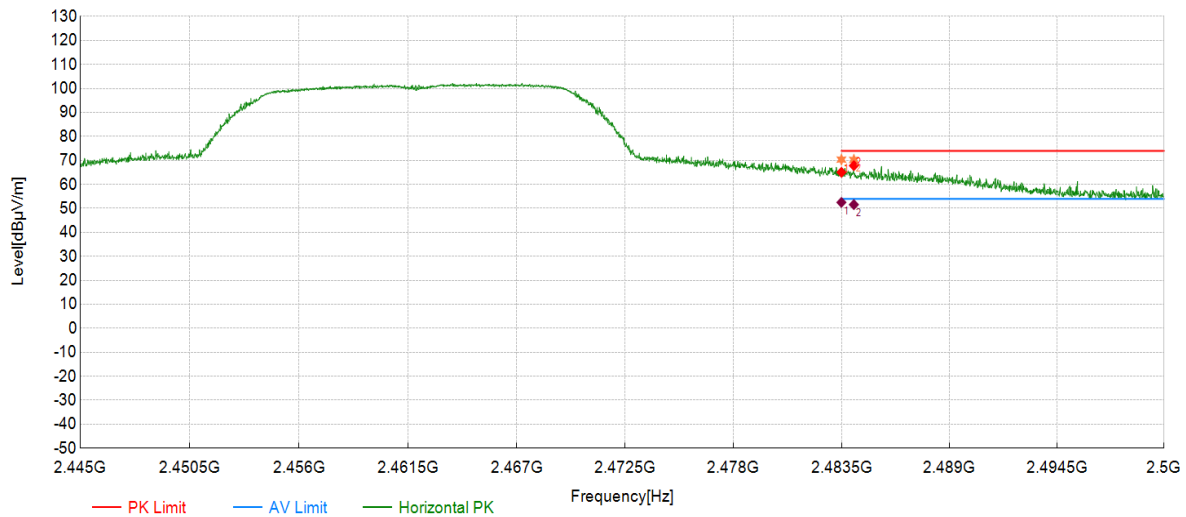
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11g-2462         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC Part15C          |           |           |

Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|---------|
| 1   | 2483.50         | 50.74            | 65.05          | 14.31         | 74.00          | 8.95        | PK  | Horizontal | PASS    |
| 2   | 2484.14         | 53.52            | 67.83          | 14.31         | 74.00          | 6.17        | PK  | Horizontal | PASS    |

### Final Data List

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol        | Verdict |
|-----|-----------------|---------------|---------------------|-------------------|-------------------|----------------|------------|---------|
| 1   | 2483.50         | 14.31         | 38.19               | 52.50             | 54.00             | 1.50           | Horizontal | PASS    |
| 2   | 2484.14         | 14.31         | 37.26               | 51.57             | 54.00             | 2.43           | Horizontal | PASS    |

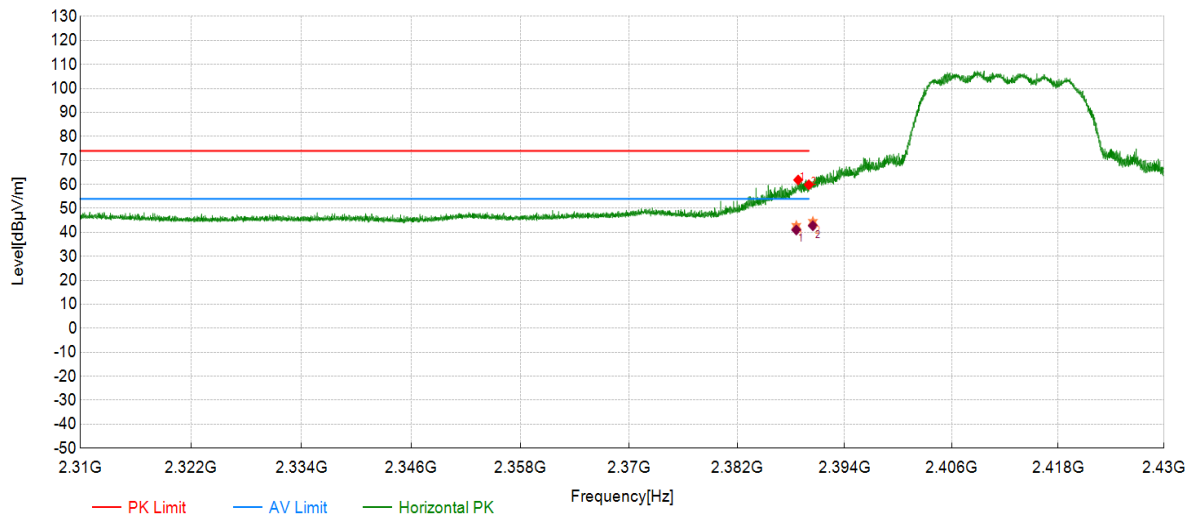
Note:(1)Level=Reading+Factor  
(2)Margin=Limit-Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11n HT20-2412    | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC Part15C          |           |           |

Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|---------|
| 1   | 2388.81         | 47.78            | 61.85          | 14.07         | 74.00          | 12.15       | PK  | Horizontal | PASS    |
| 2   | 2390.00         | 45.78            | 59.86          | 14.08         | 74.00          | 14.14       | PK  | Horizontal | PASS    |

### Final Data List

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol        | Verdict |
|-----|-----------------|---------------|---------------------|-------------------|-------------------|----------------|------------|---------|
| 1   | 2388.61         | 14.07         | 26.93               | 41.00             | 54.00             | 13.00          | Horizontal | PASS    |
| 2   | 2390.45         | 14.08         | 28.67               | 42.75             | 53.90             | 11.15          | Horizontal | PASS    |

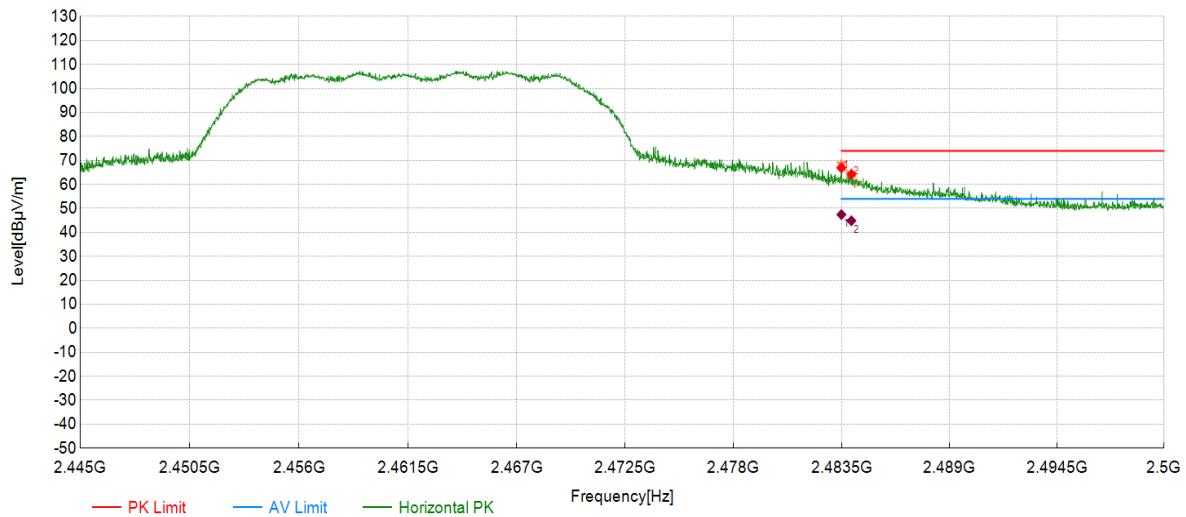
Note:(1)Level=Reading+Factor  
(2)Margin=Limit-Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11n HT20-2462    | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC Part15C          |           |           |

Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|---------|
| 1   | 2483.50         | 52.58            | 66.89          | 14.31         | 74.00          | 7.11        | PK  | Horizontal | PASS    |
| 2   | 2484.01         | 49.88            | 64.19          | 14.31         | 74.00          | 9.81        | PK  | Horizontal | PASS    |

### Final Data List

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol        | Verdict |
|-----|-----------------|---------------|---------------------|-------------------|-------------------|----------------|------------|---------|
| 1   | 2483.50         | 14.31         | 33.11               | 47.42             | 54.00             | 6.58           | Horizontal | PASS    |
| 2   | 2484.01         | 14.31         | 30.53               | 44.84             | 54.00             | 9.16           | Horizontal | PASS    |

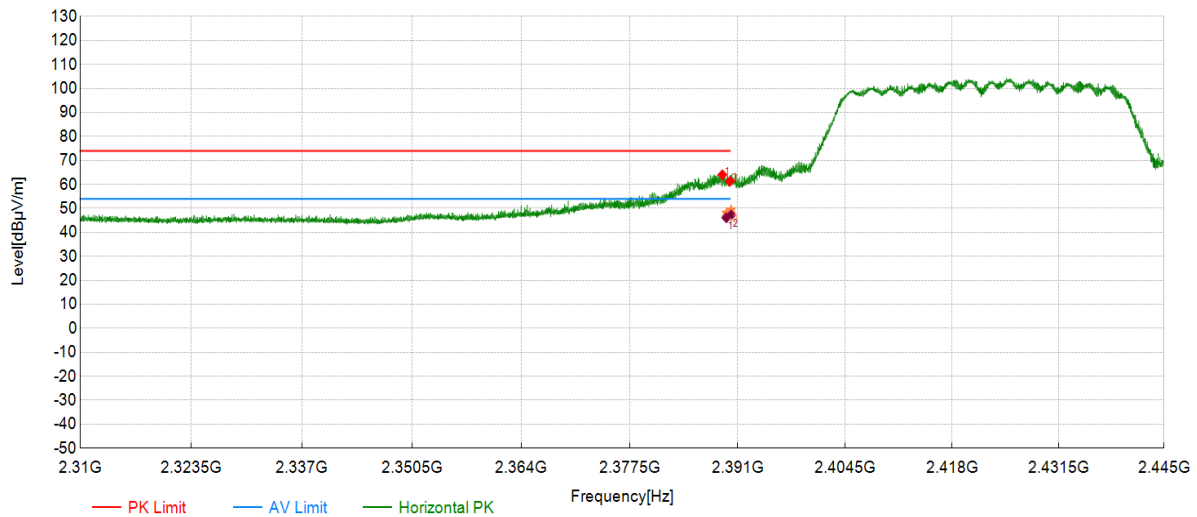
Note:(1)Level=Reading+Factor  
(2)Margin=Limit-Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11n HT40-2422    | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC Part15C          |           |           |

Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|---------|
| 1   | 2389.06         | 49.96            | 64.03          | 14.07         | 74.00          | 9.97        | PK  | Horizontal | PASS    |
| 2   | 2390.00         | 47.18            | 61.26          | 14.08         | 74.00          | 12.74       | PK  | Horizontal | PASS    |

### Final Data List

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol        | Verdict |
|-----|-----------------|---------------|---------------------|-------------------|-------------------|----------------|------------|---------|
| 1   | 2389.56         | 14.07         | 32.01               | 46.08             | 54.00             | 7.92           | Horizontal | PASS    |
| 2   | 2390.15         | 14.08         | 33.11               | 47.19             | 53.90             | 6.71           | Horizontal | PASS    |

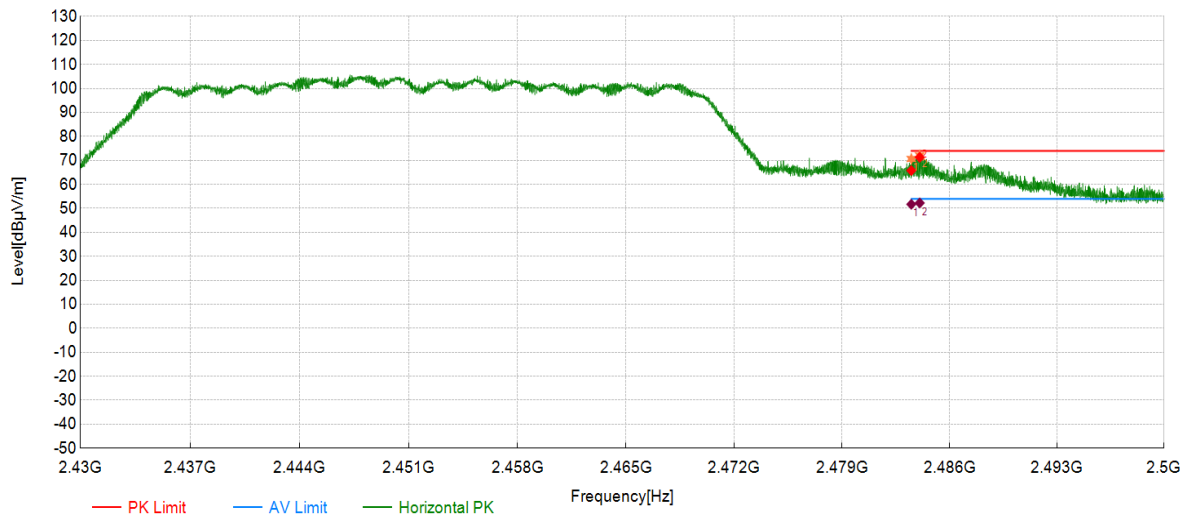
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11n HT40-2452    | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC Part15C          |           |           |

Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|---------|
| 1   | 2483.50         | 51.48            | 65.79          | 14.31         | 74.00          | 8.21        | PK  | Horizontal | PASS    |
| 2   | 2484.05         | 57.00            | 71.31          | 14.31         | 74.00          | 2.69        | PK  | Horizontal | PASS    |

### Final Data List

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol        | Verdict |
|-----|-----------------|---------------|---------------------|-------------------|-------------------|----------------|------------|---------|
| 1   | 2483.50         | 14.31         | 37.41               | 51.72             | 54.00             | 2.28           | Horizontal | PASS    |
| 2   | 2484.05         | 14.31         | 37.95               | 52.26             | 54.00             | 1.74           | Horizontal | PASS    |

Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

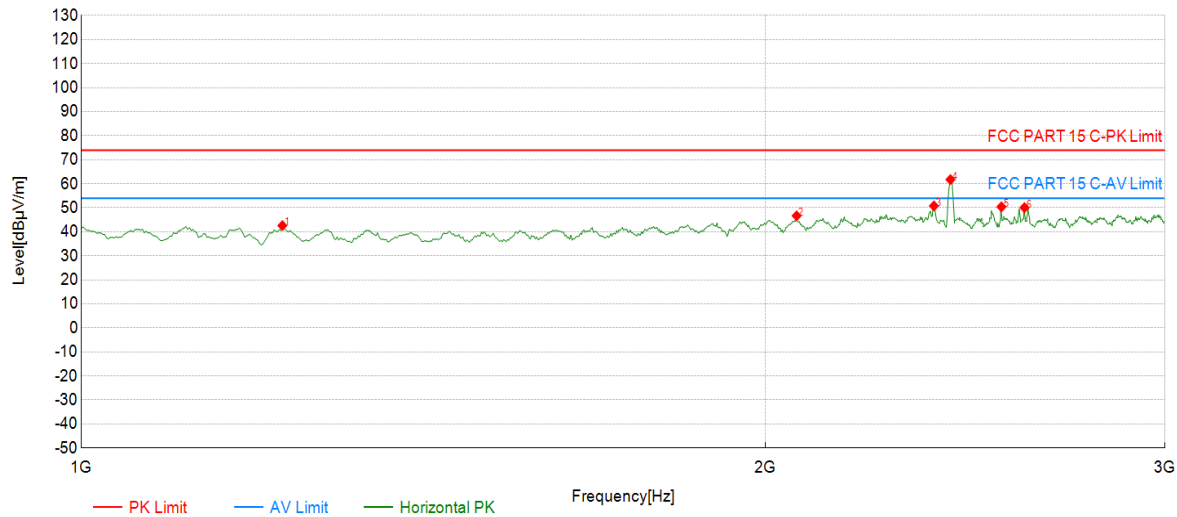
## SPURIOUS EMISSIONS(1 GHz~3 GHz)

### Test Report

#### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11b-2412         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC PART 15 C        |           |           |

#### Test Graph



#### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict     |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|-------------|
| 1   | 1226.23         | 54.56            | 42.59          | -11.97        | 74.00          | 31.41       | PK  | Horizontal | PASS        |
| 2   | 2065.07         | 53.87            | 46.66          | -7.21         | 74.00          | 27.34       | PK  | Horizontal | PASS        |
| 3   | 2373.37         | 57.28            | 50.78          | -6.50         | 74.00          | 23.22       | PK  | Horizontal | PASS        |
| 4   | 2412.00         | 68.19            | 61.75          | -6.44         | /              | /           | PK  | Horizontal | Fundamental |
| 5   | 2541.54         | 56.61            | 50.40          | -6.21         | 74.00          | 23.60       | PK  | Horizontal | PASS        |
| 6   | 2601.60         | 56.10            | 50.07          | -6.03         | 74.00          | 23.93       | PK  | Horizontal | PASS        |

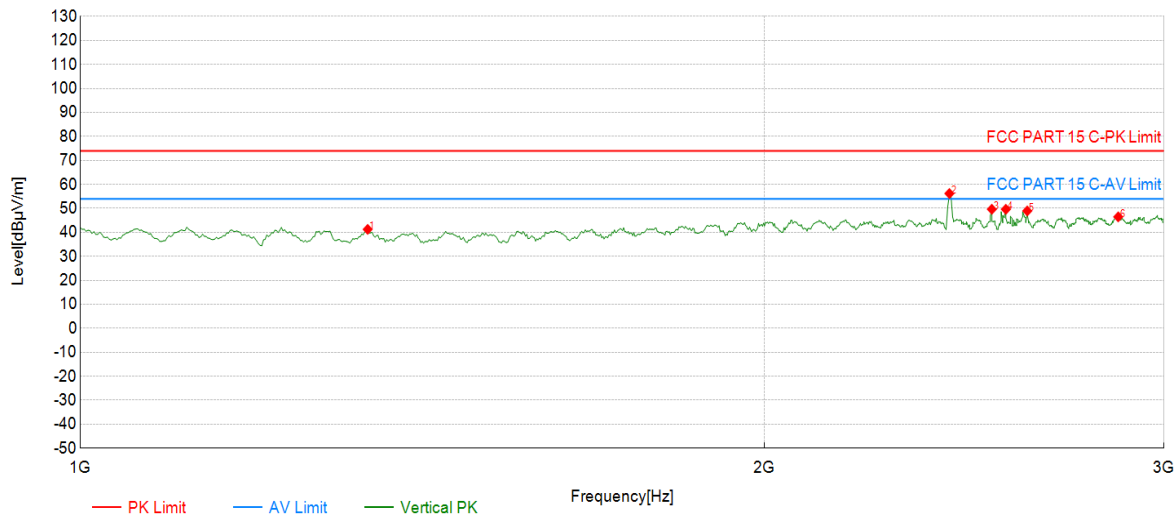
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11b-2412         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC PART 15 C        |           |           |

### Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol      | Verdict     |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|----------|-------------|
| 1   | 1338.34         | 53.48            | 41.25          | -12.23        | 74.00          | 32.75       | PK  | Vertical | PASS        |
| 2   | 2412.00         | 62.64            | 56.20          | -6.44         | /              | /           | PK  | Vertical | Fundamental |
| 3   | 2519.52         | 55.92            | 49.66          | -6.26         | 74.00          | 24.34       | PK  | Vertical | PASS        |
| 4   | 2555.56         | 55.78            | 49.63          | -6.15         | 74.00          | 24.37       | PK  | Vertical | PASS        |
| 5   | 2611.61         | 54.93            | 48.94          | -5.99         | 74.00          | 25.06       | PK  | Vertical | PASS        |
| 6   | 2863.86         | 51.76            | 46.47          | -5.29         | 74.00          | 27.53       | PK  | Vertical | PASS        |

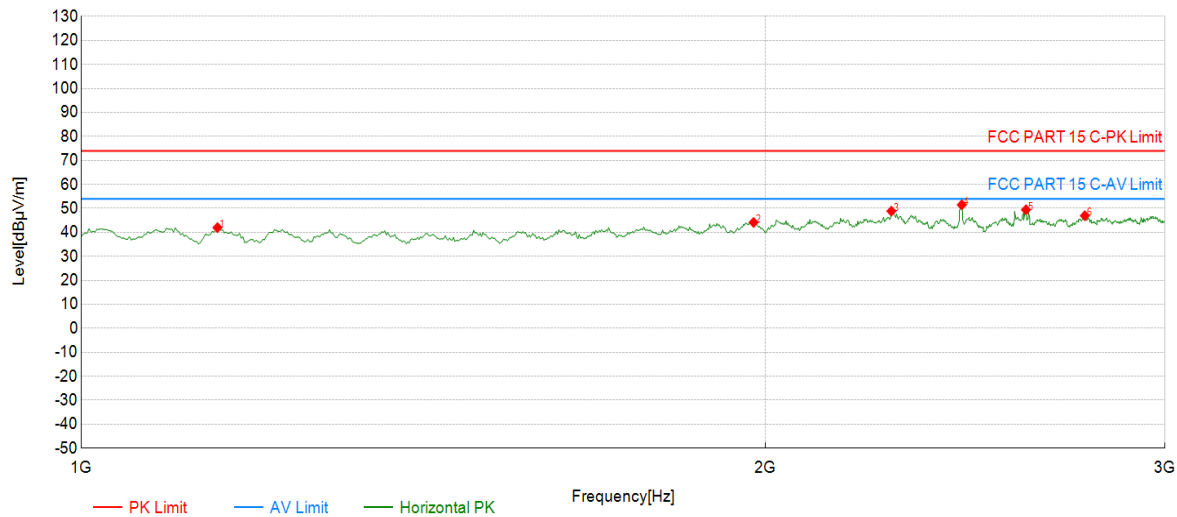
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11b-2437         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC PART 15 C        |           |           |

### Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict     |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|-------------|
| 1   | 1148.15         | 53.90            | 42.00          | -11.90        | 74.00          | 32.00       | PK  | Horizontal | PASS        |
| 2   | 1976.98         | 51.83            | 44.15          | -7.68         | 74.00          | 29.85       | PK  | Horizontal | PASS        |
| 3   | 2273.27         | 55.52            | 48.86          | -6.66         | 74.00          | 25.14       | PK  | Horizontal | PASS        |
| 4   | 2437.00         | 57.90            | 51.50          | /             | /              | 22.50       | PK  | Horizontal | Fundamental |
| 5   | 2605.61         | 55.44            | 49.43          | -6.01         | 74.00          | 24.57       | PK  | Horizontal | PASS        |
| 6   | 2765.77         | 52.46            | 46.94          | -5.52         | 74.00          | 27.06       | PK  | Horizontal | PASS        |

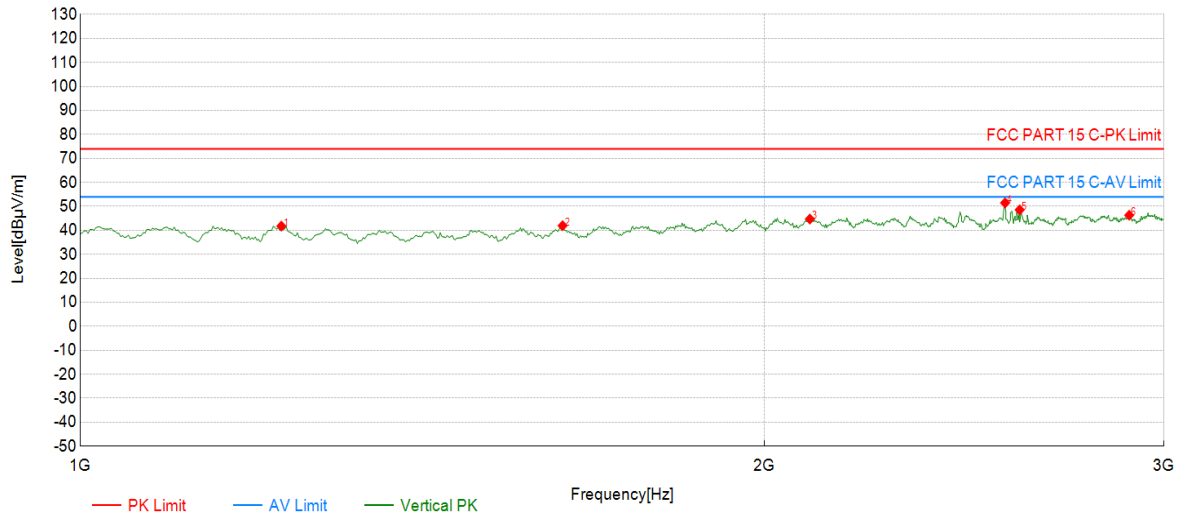
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11b-2437         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC PART 15 C        |           |           |

### Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol      | Verdict |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|----------|---------|
| 1   | 1226.23         | 53.76            | 41.79          | -11.97        | 74.00          | 32.21       | PK  | Vertical | PASS    |
| 2   | 1630.63         | 53.30            | 41.96          | -11.34        | 74.00          | 32.04       | PK  | Vertical | PASS    |
| 3   | 2095.10         | 51.86            | 44.74          | -7.12         | 74.00          | 29.26       | PK  | Vertical | PASS    |
| 4   | 2553.55         | 57.63            | 51.47          | -6.16         | 74.00          | 22.53       | PK  | Vertical | PASS    |
| 5   | 2591.59         | 54.63            | 48.57          | -6.06         | 74.00          | 25.43       | PK  | Vertical | PASS    |
| 6   | 2895.90         | 51.53            | 46.32          | -5.21         | 74.00          | 27.68       | PK  | Vertical | PASS    |

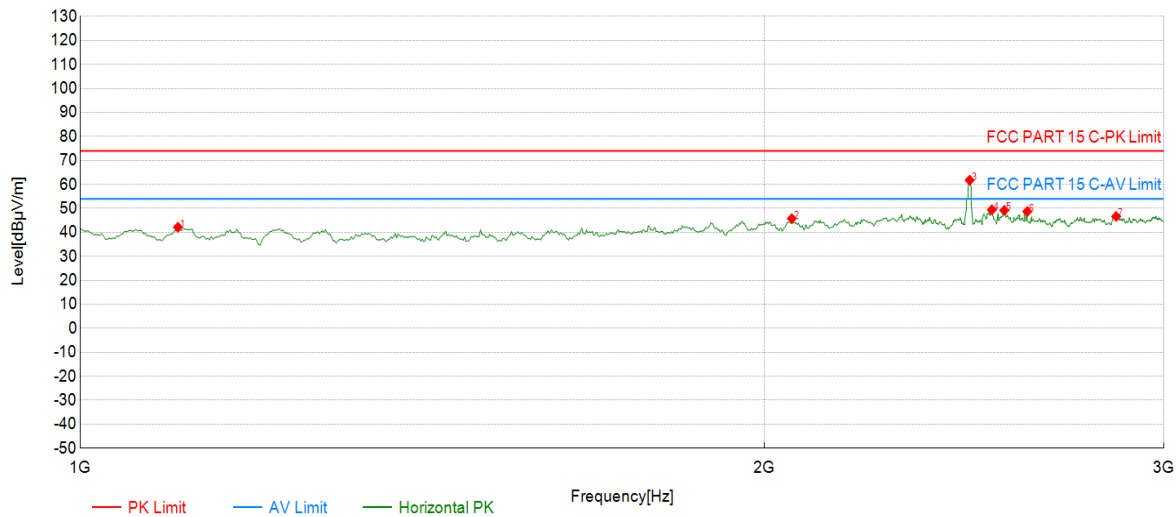
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11b-2462         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC PART 15 C        |           |           |

### Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol        | Verdict     |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|------------|-------------|
| 1   | 1104.10         | 54.05            | 42.15          | -11.90        | 74.00          | 31.85       | PK  | Horizontal | PASS        |
| 2   | 2057.06         | 52.97            | 45.74          | -7.23         | 74.00          | 28.26       | PK  | Horizontal | PASS        |
| 3   | 2462.00         | 68.14            | 61.77          | -6.37         | /              | /           | PK  | Horizontal | Fundamental |
| 4   | 2519.52         | 55.69            | 49.43          | -6.26         | 74.00          | 24.57       | PK  | Horizontal | PASS        |
| 5   | 2551.55         | 55.34            | 49.17          | -6.17         | 74.00          | 24.83       | PK  | Horizontal | PASS        |
| 6   | 2611.61         | 54.72            | 48.73          | -5.99         | 74.00          | 25.27       | PK  | Horizontal | PASS        |
| 7   | 2857.86         | 51.93            | 46.64          | -5.29         | 74.00          | 27.36       | PK  | Horizontal | PASS        |

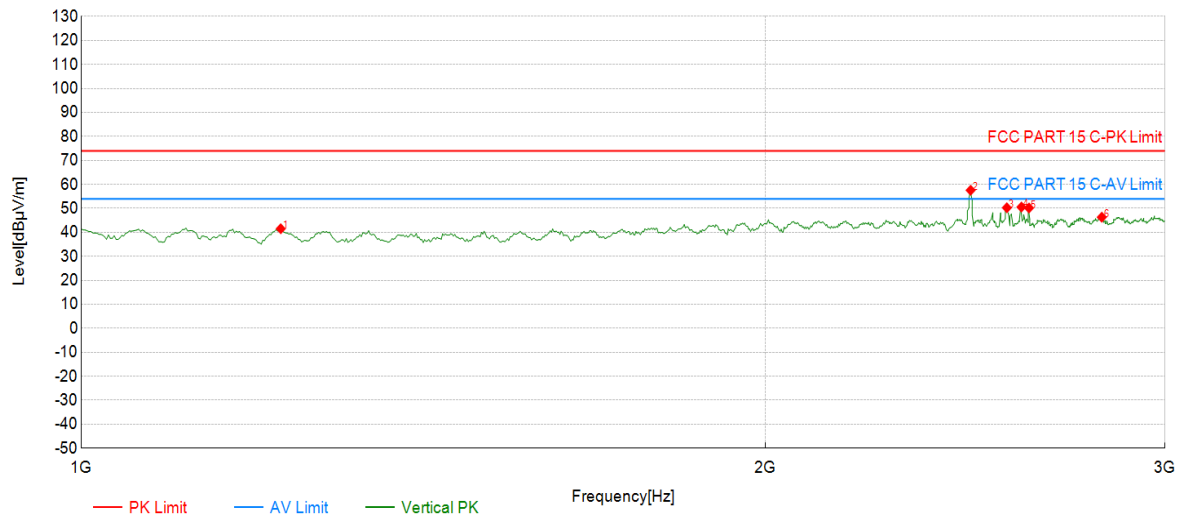
Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level

## Test Report

### Project Information

|                |                      |           |           |
|----------------|----------------------|-----------|-----------|
| Mode:          | 802.11b-2462         | Voltage:  | DC5V      |
| Environment:   | Temp: 25°C; Humi:60% | Engineer: | Rex Huang |
| Remark:        | X                    |           |           |
| Test Standard: | FCC PART 15 C        |           |           |

### Test Graph



### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol      | Verdict     |
|-----|-----------------|------------------|----------------|---------------|----------------|-------------|-----|----------|-------------|
| 1   | 1224.22         | 53.49            | 41.52          | -11.97        | 74.00          | 32.48       | PK  | Vertical | PASS        |
| 2   | 2462.00         | 63.95            | 57.58          | -6.37         | /              | /           | PK  | Vertical | Fundamental |
| 3   | 2555.56         | 56.42            | 50.27          | -6.15         | 74.00          | 23.73       | PK  | Vertical | PASS        |
| 4   | 2593.59         | 56.62            | 50.57          | -6.05         | 74.00          | 23.43       | PK  | Vertical | PASS        |
| 5   | 2613.61         | 56.16            | 50.17          | -5.99         | 74.00          | 23.83       | PK  | Vertical | PASS        |
| 6   | 2813.81         | 51.72            | 46.33          | -5.39         | 74.00          | 27.67       | PK  | Vertical | PASS        |

Note: (1) Level = Reading + Factor  
(2) Margin = Limit - Level