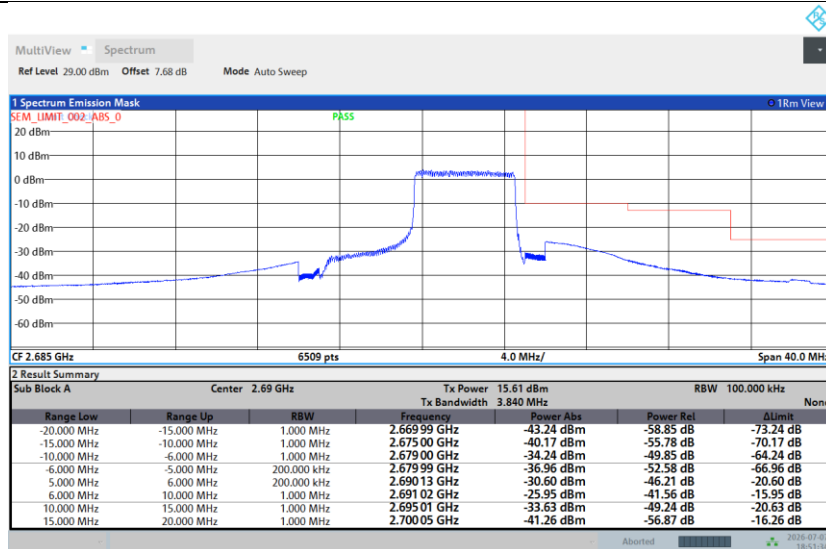
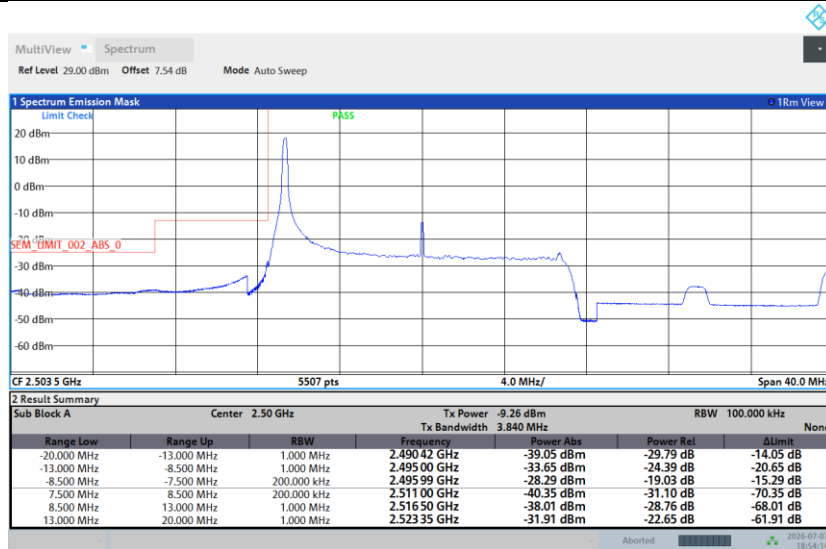


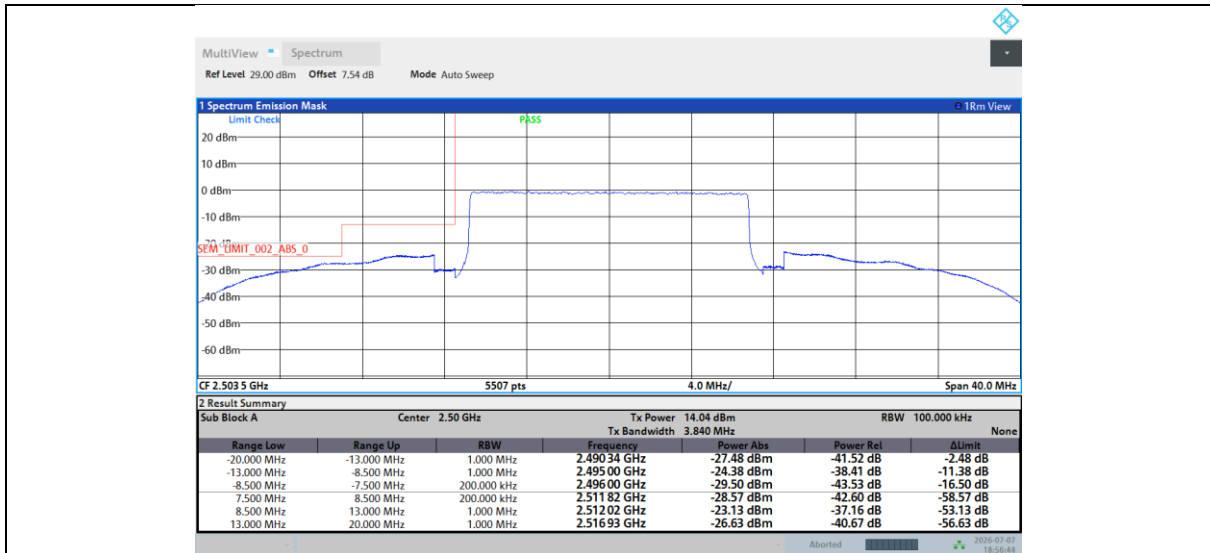
### Graph16 HIGH BAND EDGE BLOCK-10MHz-100%RB



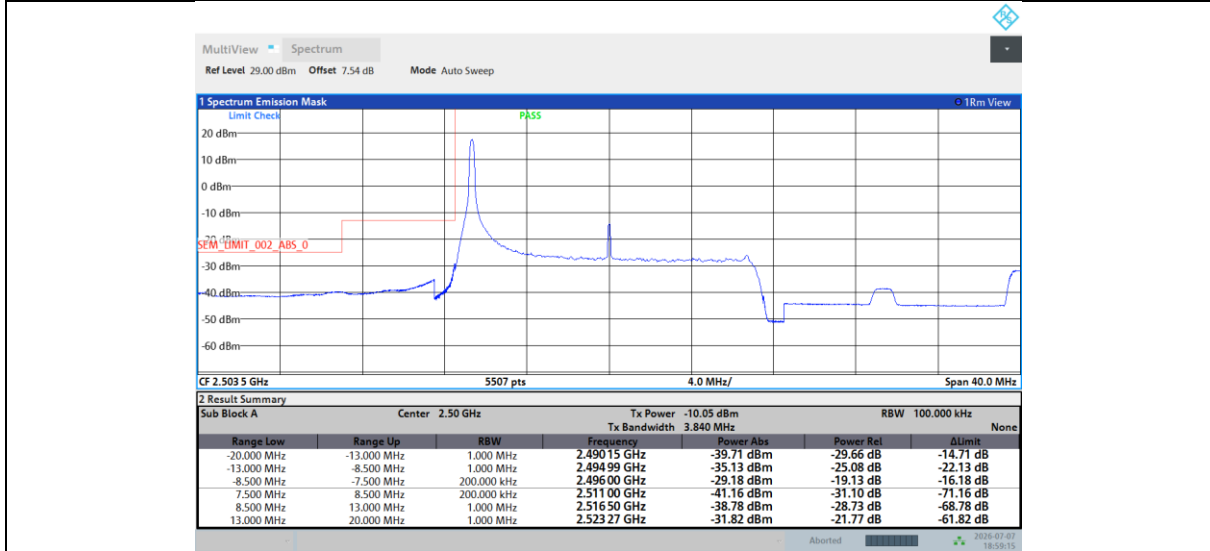
### Graph17 LOW BAND EDGE BLOCK-1RB-LOW\_offset



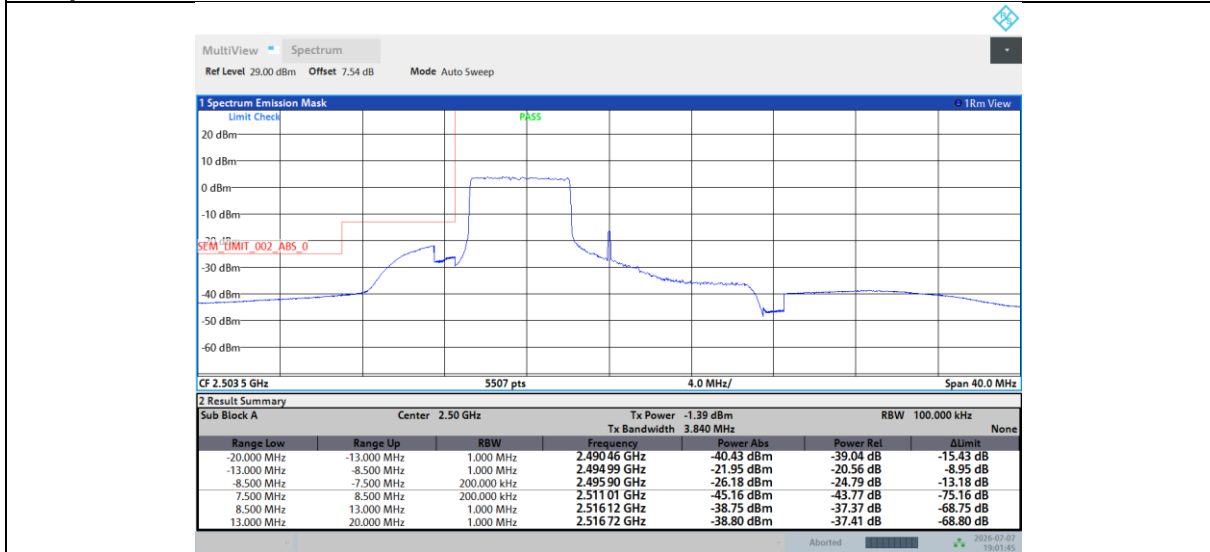
### Graph18 LOW BAND EDGE BLOCK-15MHz-100%RB



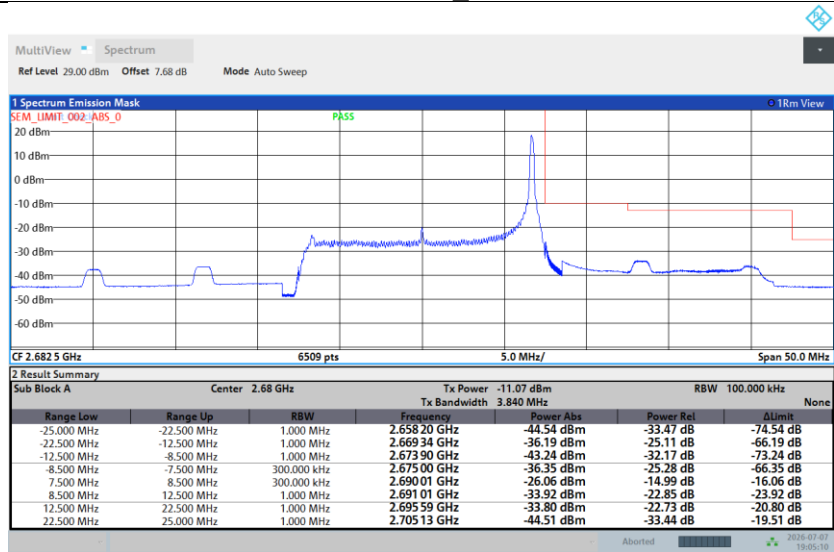
### Graph19 LOW BAND EDGE BLOCK-1RB-LOW\_offset



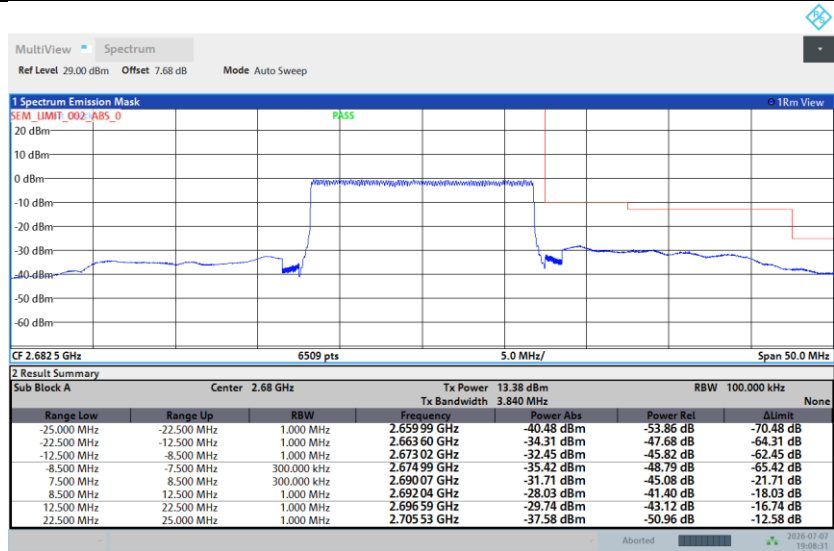
### Graph20 LOW BAND EDGE BLOCK-15MHz-100%RB



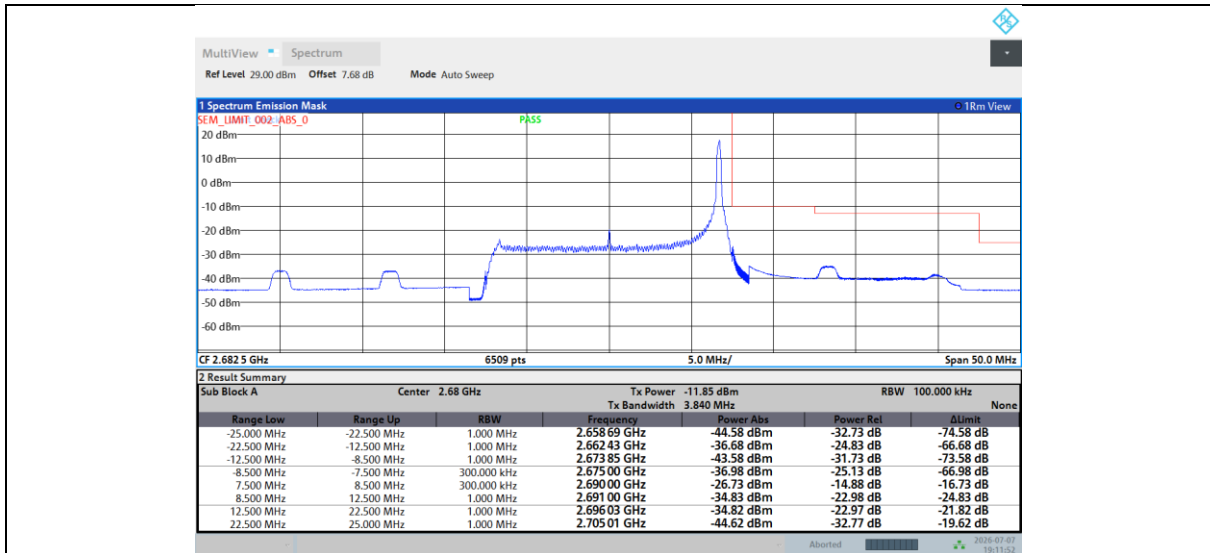
### Graph21 HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



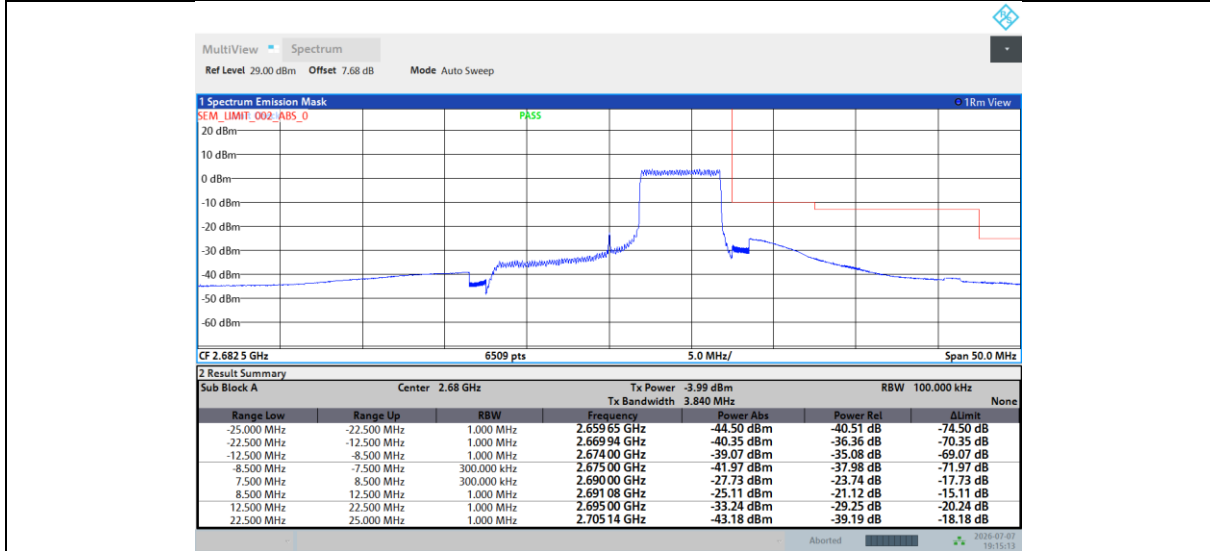
### Graph22 HIGH BAND EDGE BLOCK-15MHz-100%RB



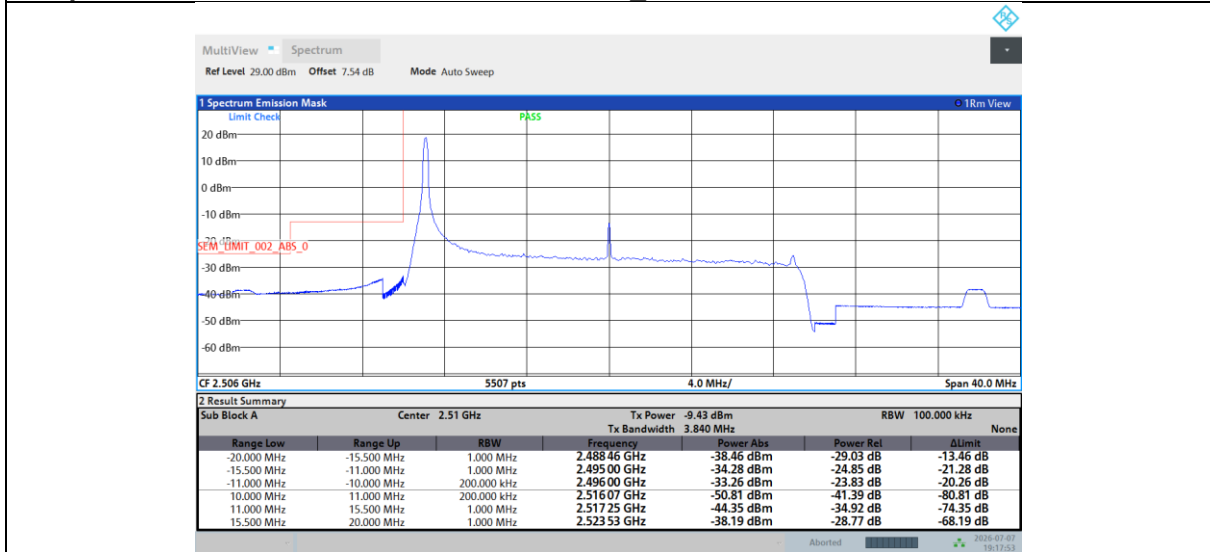
### Graph23 HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



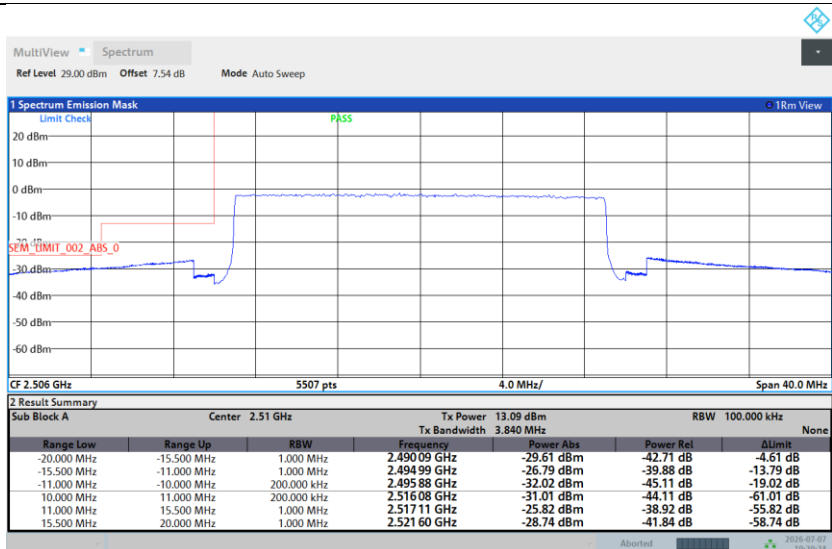
### Graph24 HIGH BAND EDGE BLOCK-15MHz-100%RB



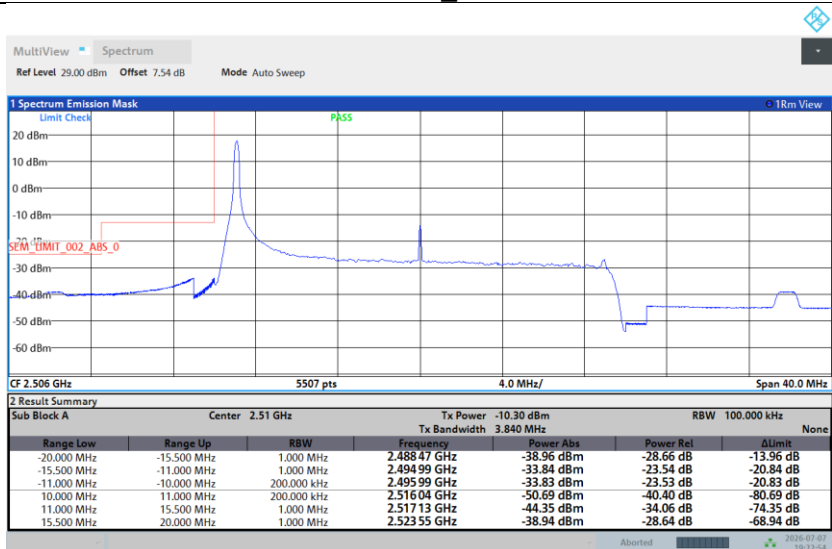
### Graph25 LOW BAND EDGE BLOCK-1RB-LOW\_offset



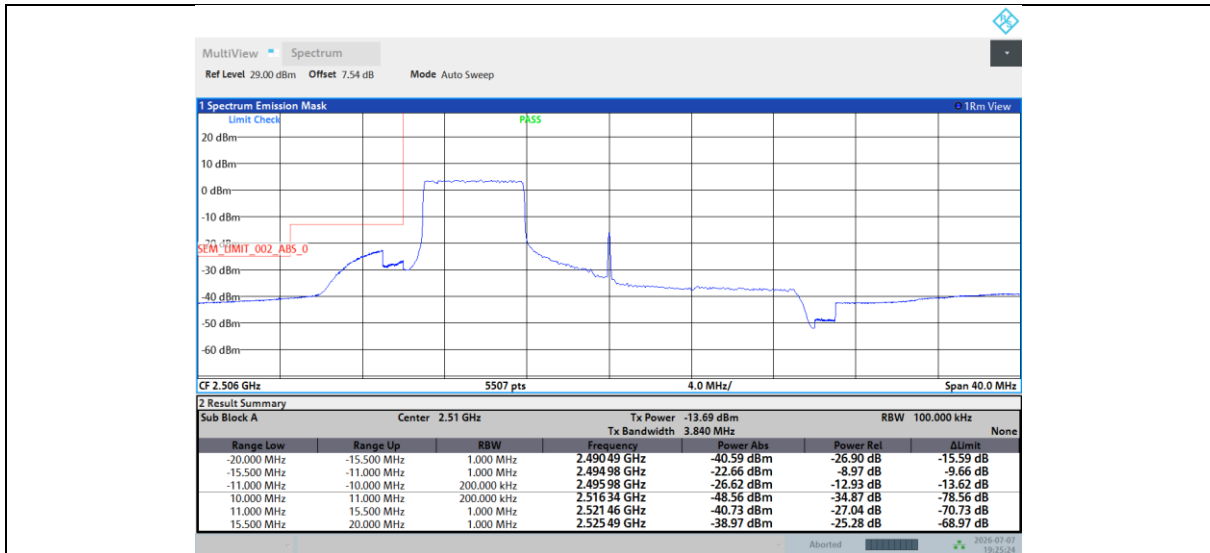
## Graph26 LOW BAND EDGE BLOCK-20MHz-100%RB



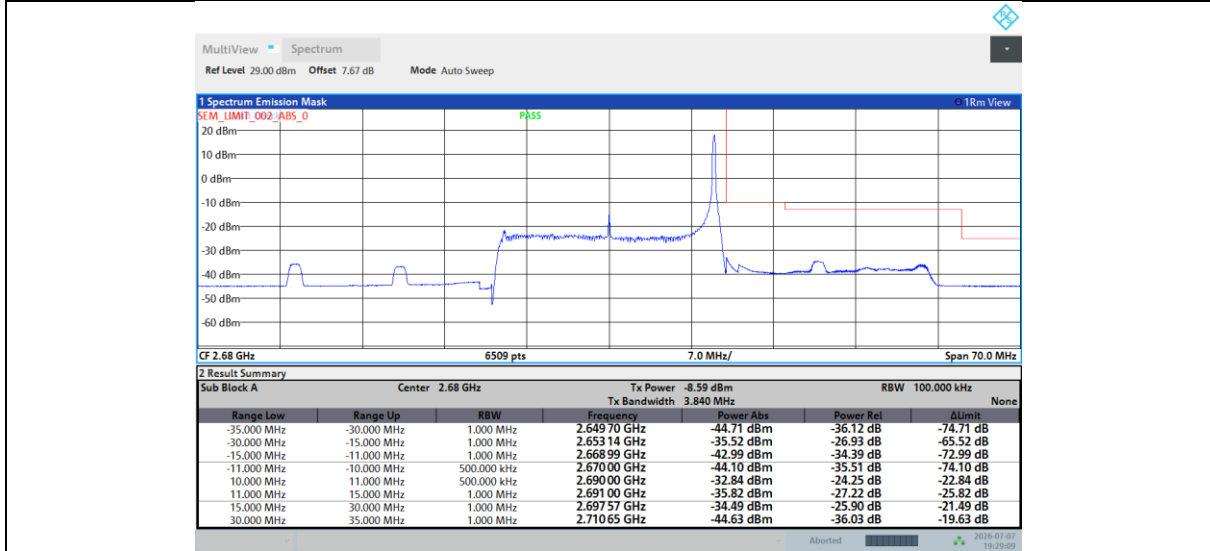
## Graph27 LOW BAND EDGE BLOCK-1RB-LOW\_offset



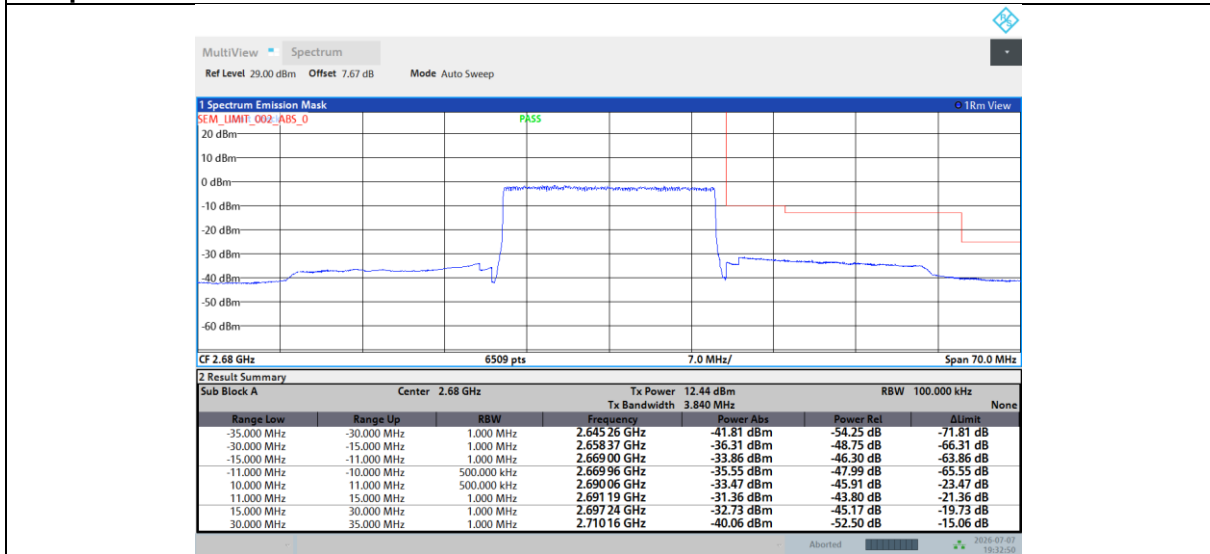
## Graph28 LOW BAND EDGE BLOCK-20MHz-100%RB



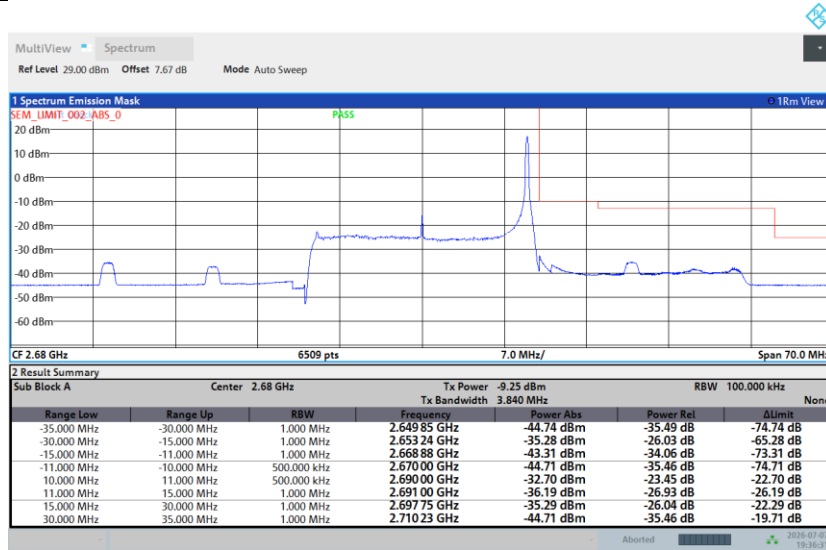
### Graph29 HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



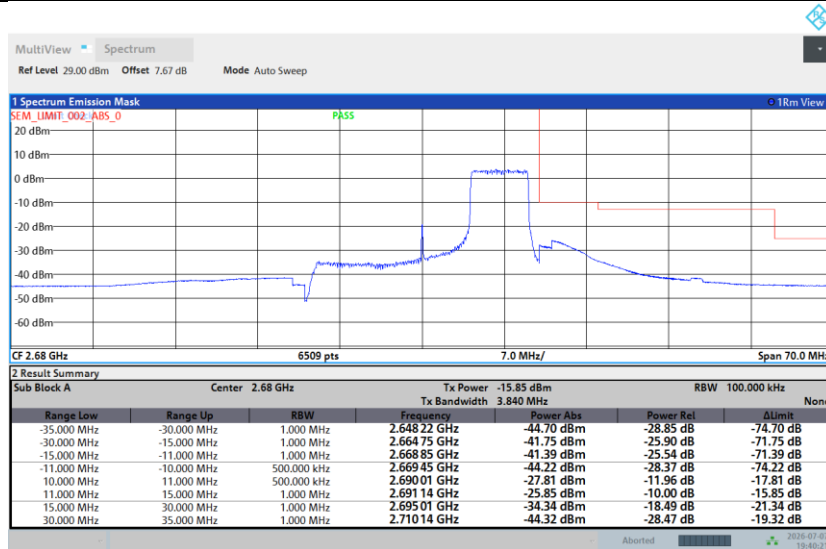
### Graph30 HIGH BAND EDGE BLOCK-20MHz-100%RB



## Graph31 HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



## Graph32 HIGH BAND EDGE BLOCK-20MHz-100%RB



## Conducted Spurious Emission

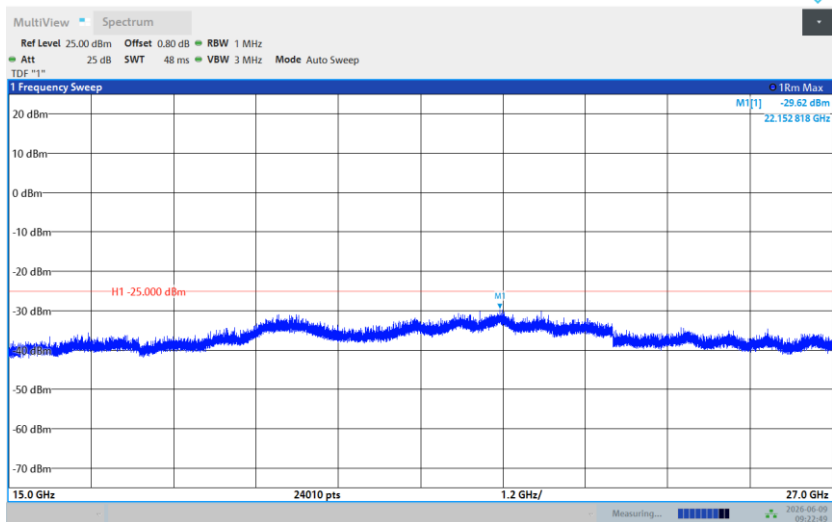
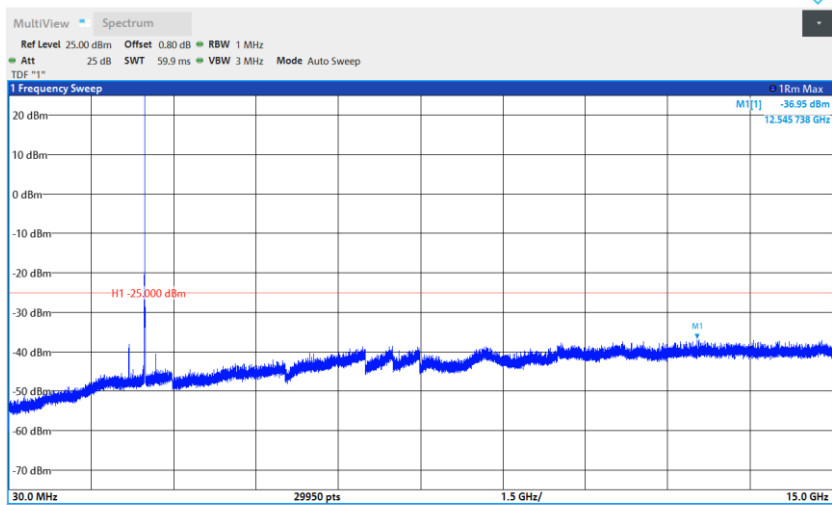
### Test Result

#### LTE band 41

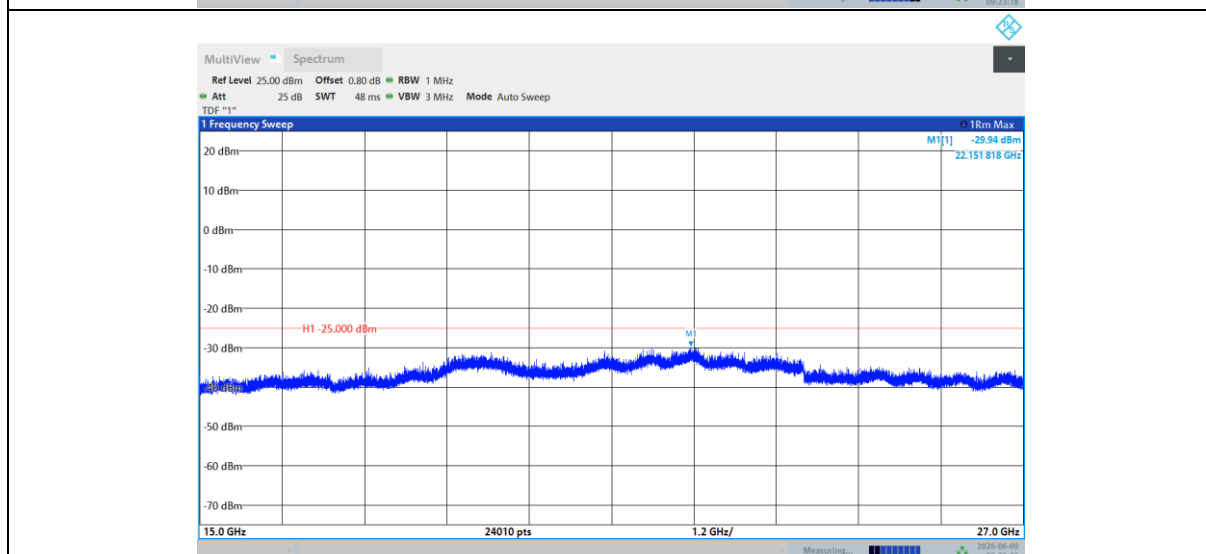
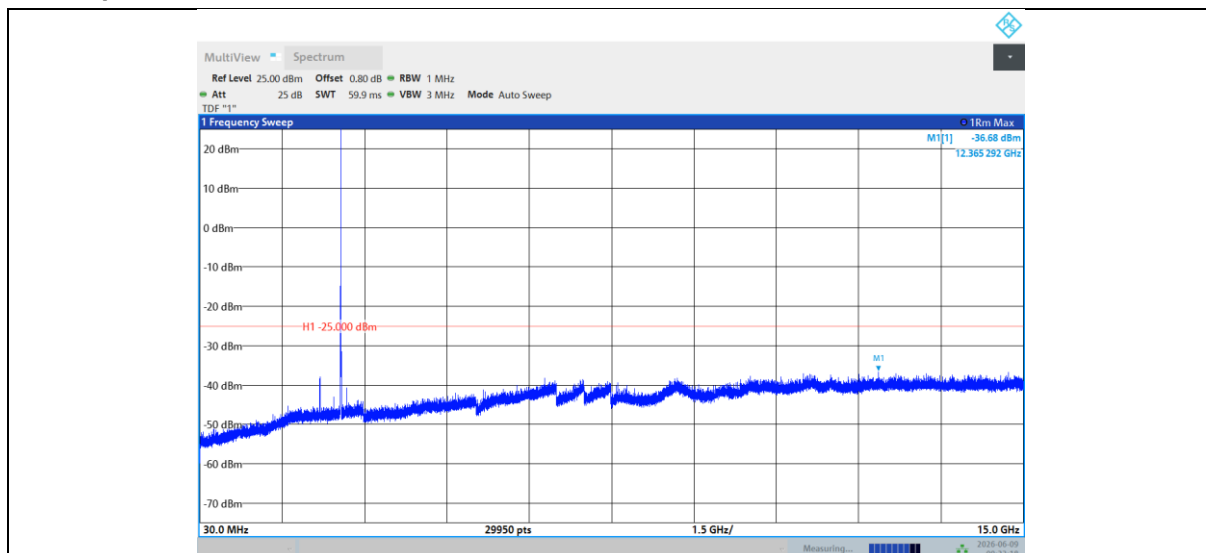
| Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-----------|------------|---------|------------------|-------------|---------|
| 5MHz      | QPSK       | 39675   | 1RB Low          | See Graph1  | PASS    |
| 5MHz      | QPSK       | 40620   | 1RB Low          | See Graph2  | PASS    |
| 5MHz      | QPSK       | 41565   | 1RB Low          | See Graph3  | PASS    |
| 10MHz     | QPSK       | 39700   | 1RB Low          | See Graph4  | PASS    |
| 10MHz     | QPSK       | 40620   | 1RB Low          | See Graph5  | PASS    |
| 10MHz     | QPSK       | 41540   | 1RB Low          | See Graph6  | PASS    |
| 15MHz     | QPSK       | 39725   | 1RB Low          | See Graph7  | PASS    |
| 15MHz     | QPSK       | 40620   | 1RB Low          | See Graph8  | PASS    |
| 15MHz     | QPSK       | 41515   | 1RB Low          | See Graph9  | PASS    |
| 20MHz     | QPSK       | 39750   | 1RB Low          | See Graph10 | PASS    |
| 20MHz     | QPSK       | 40620   | 1RB Low          | See Graph11 | PASS    |
| 20MHz     | QPSK       | 41490   | 1RB Low          | See Graph12 | PASS    |

## Test Graphs

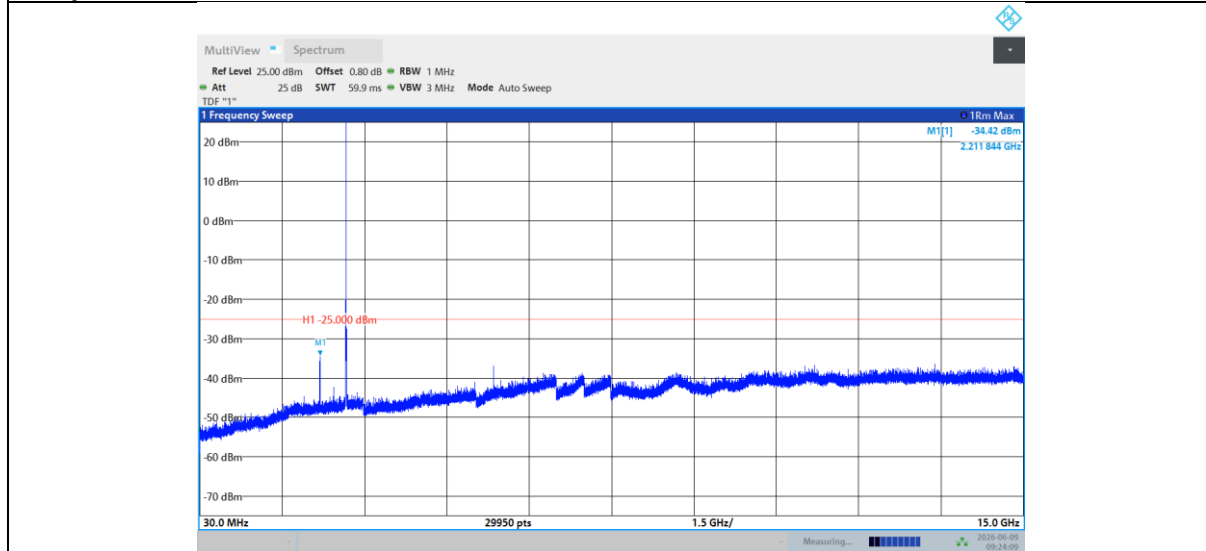
Graph1



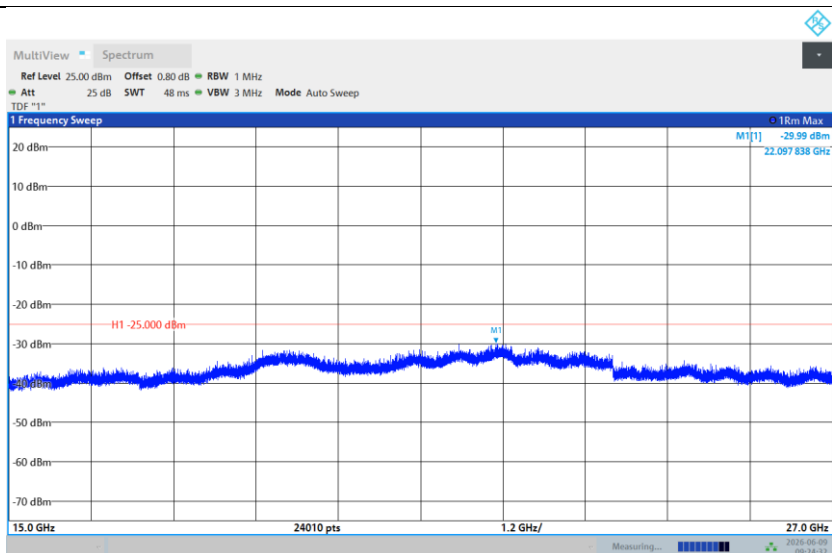
Graph2



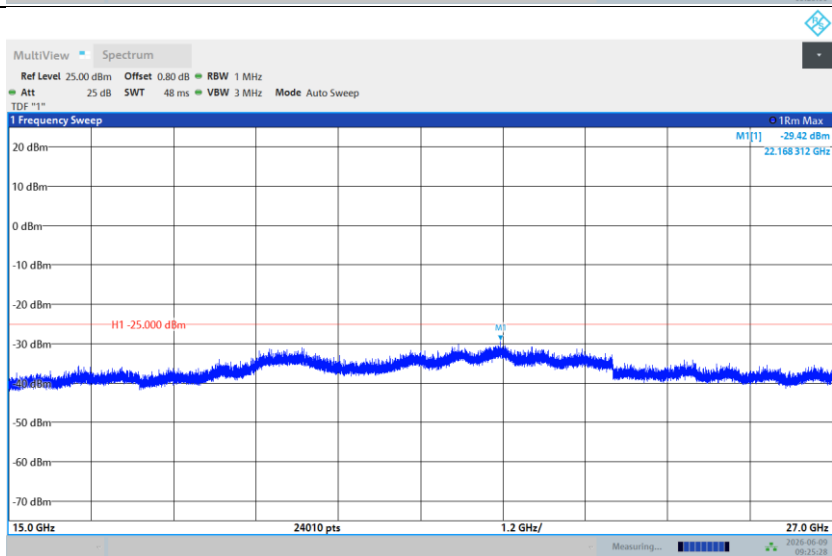
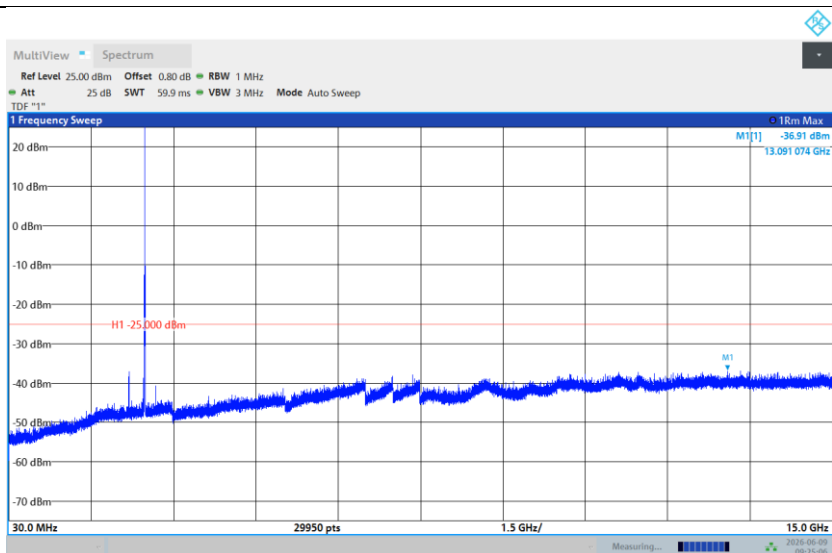
### Graph3



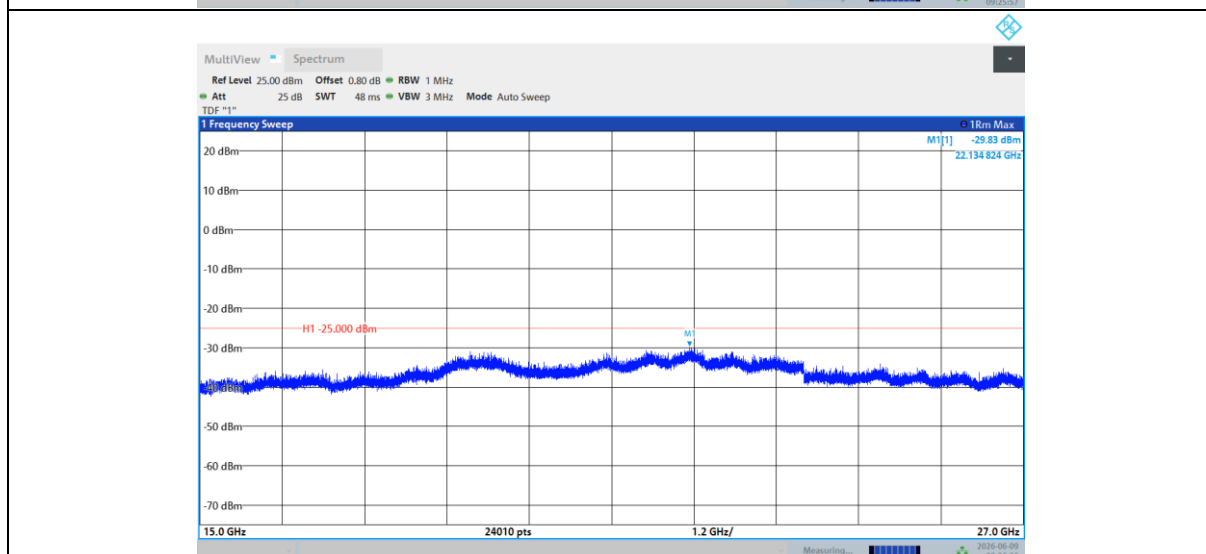
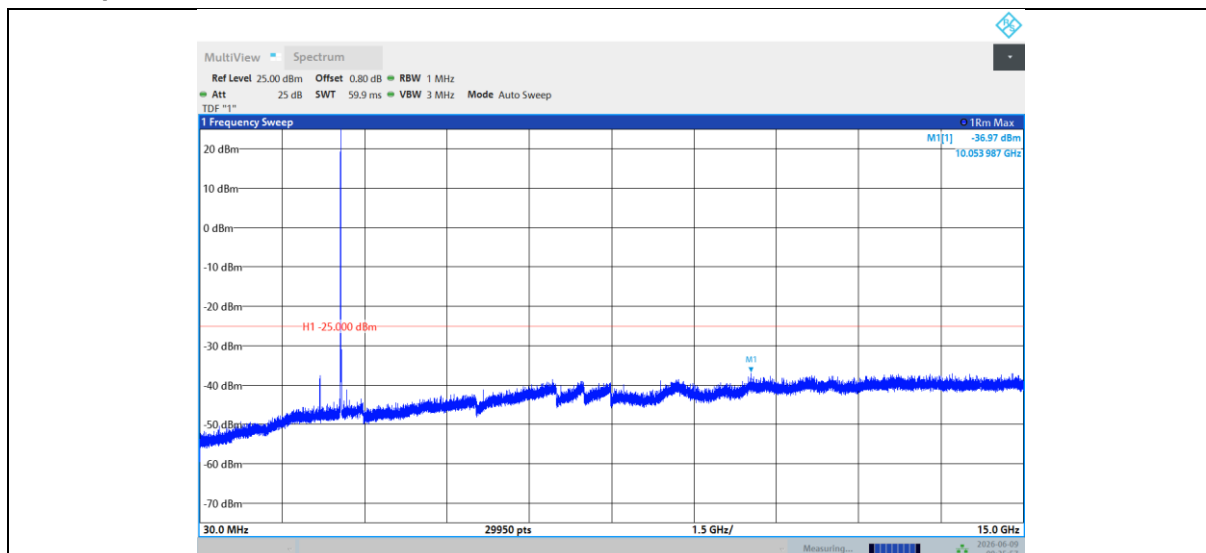
Test Report No.: RF260714B004



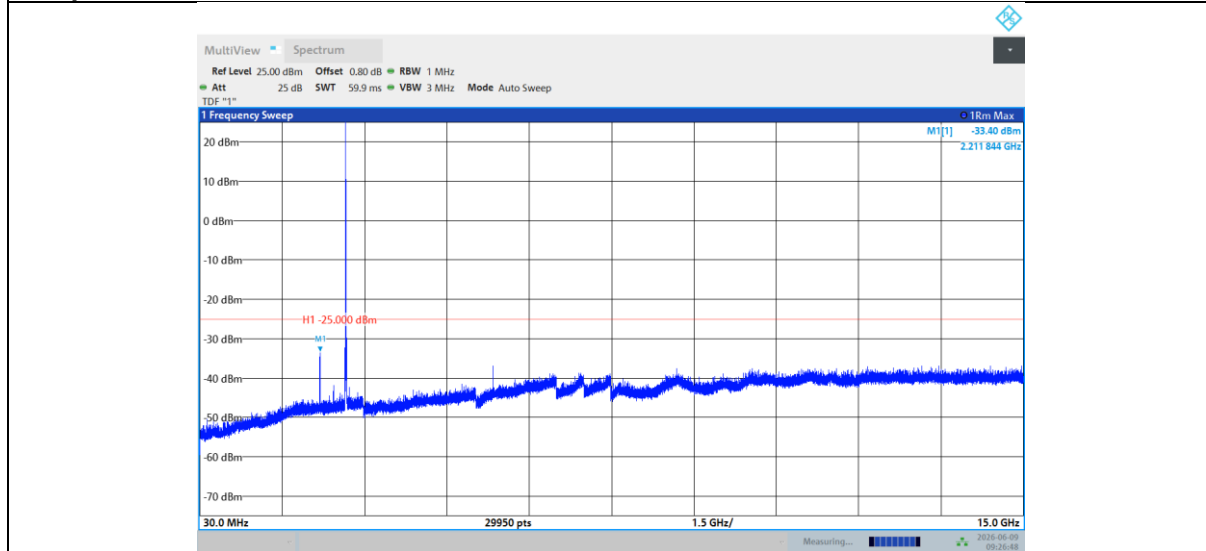
Graph4

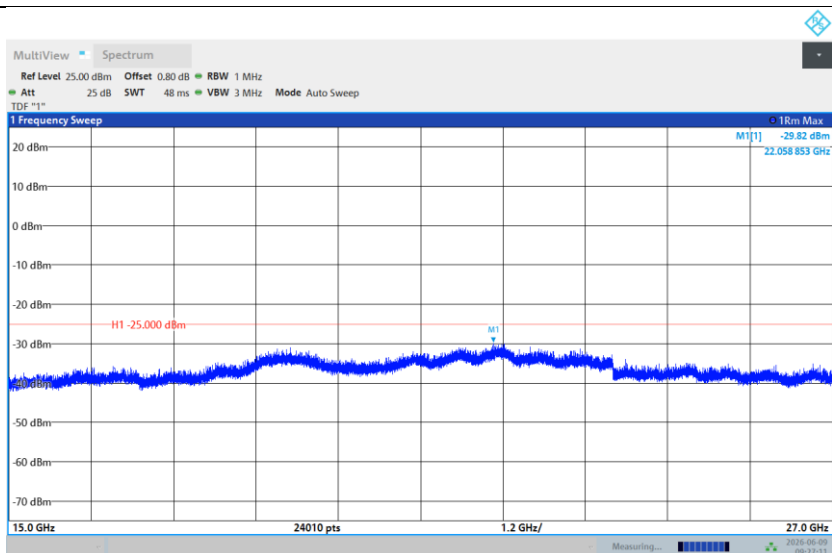


Graph5

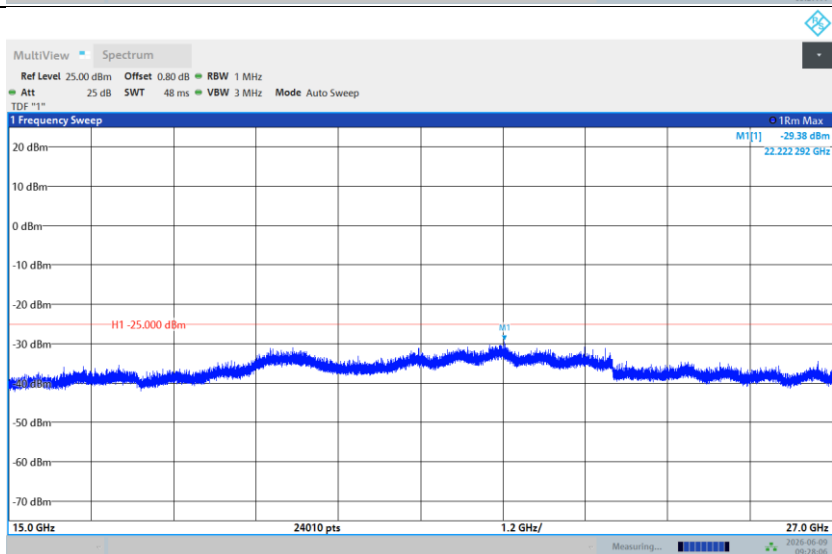
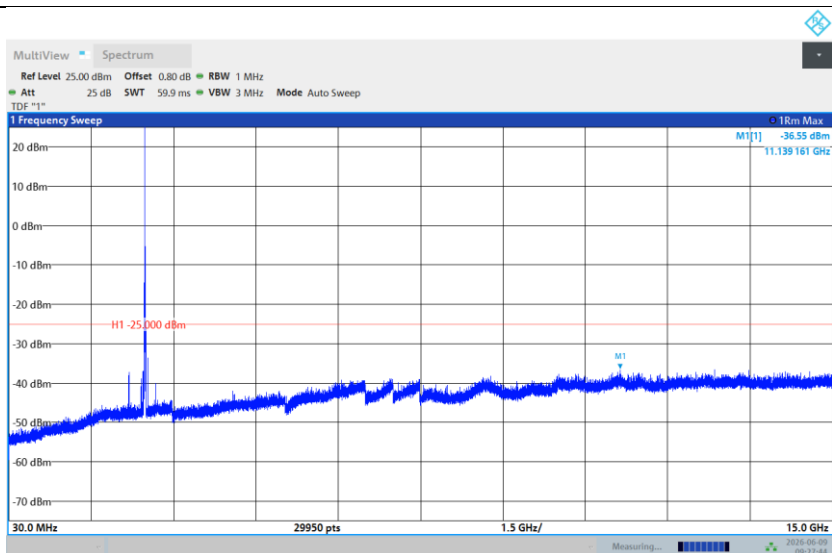


Graph6

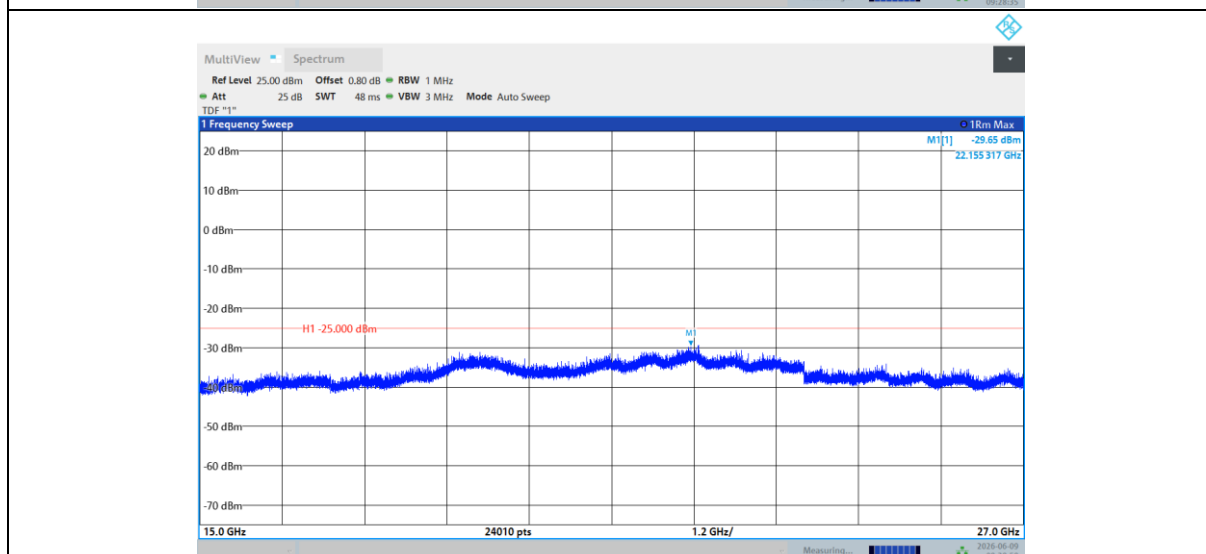
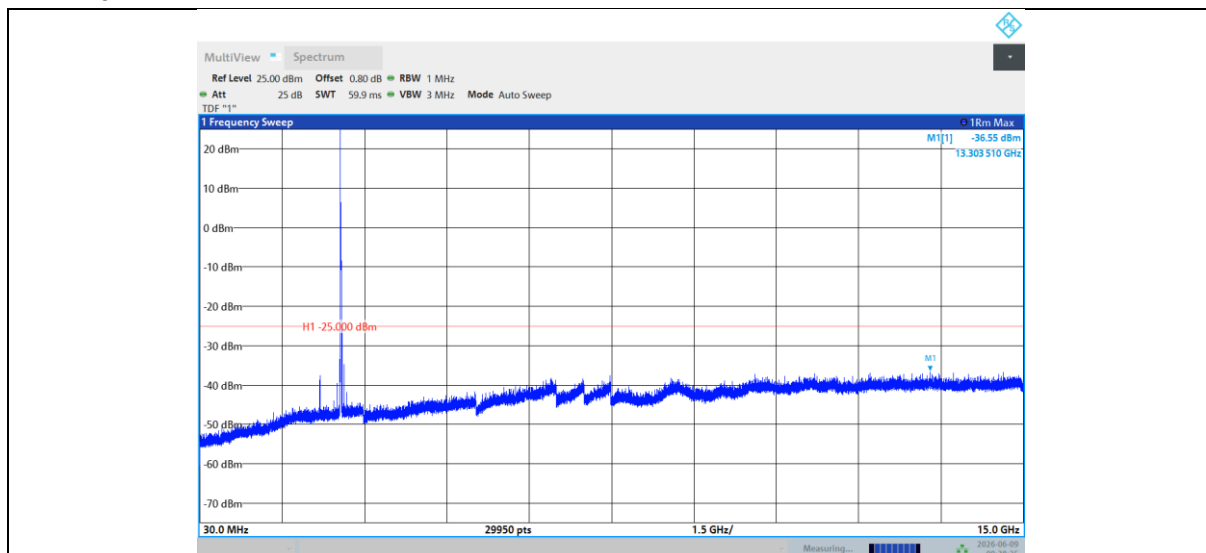




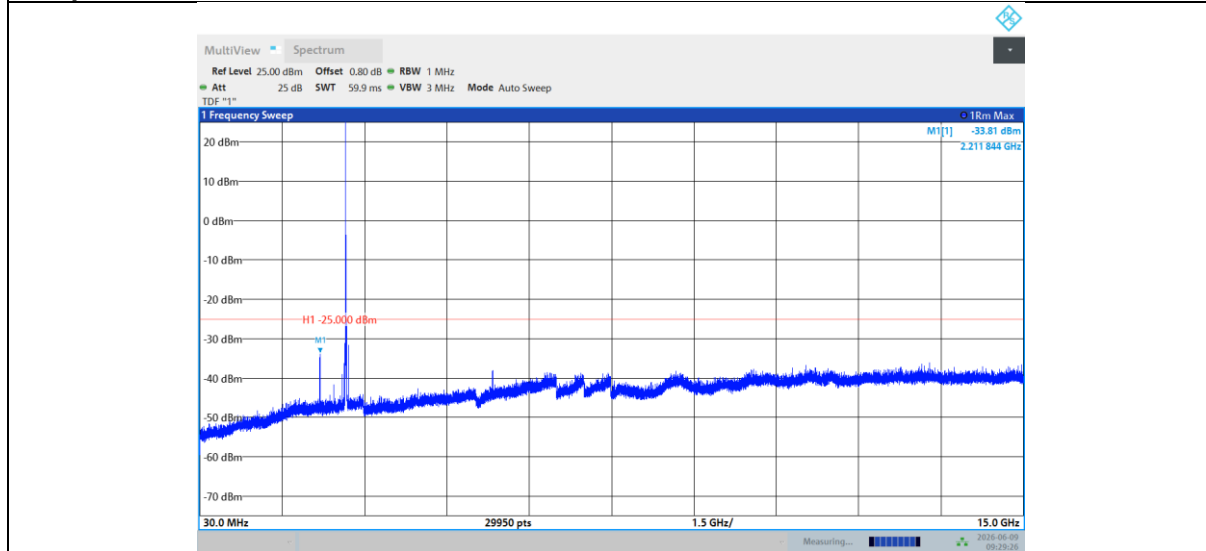
Graph7



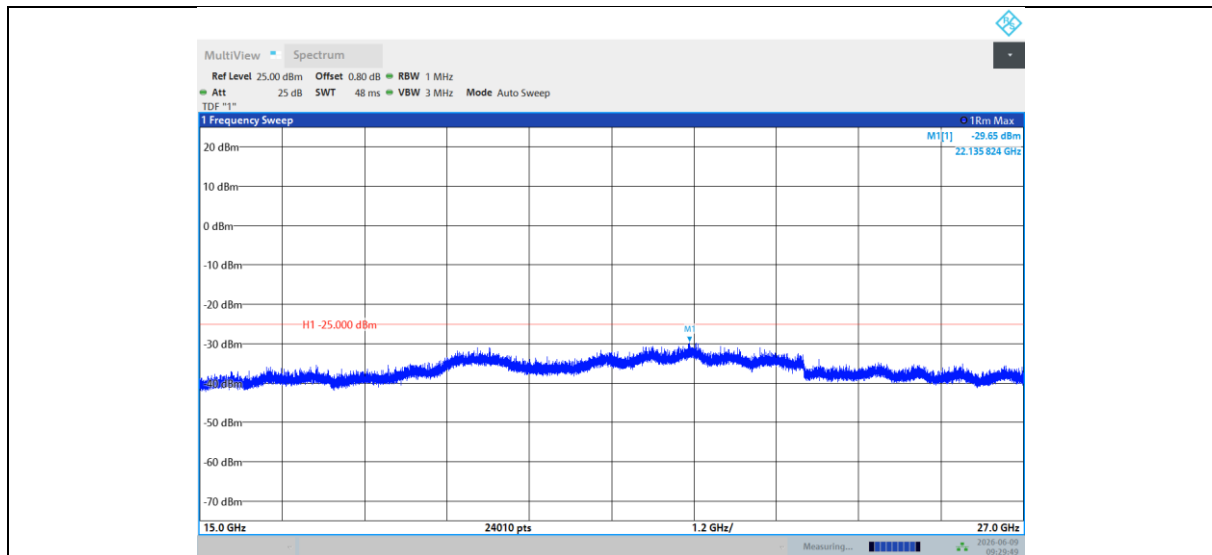
Graph8



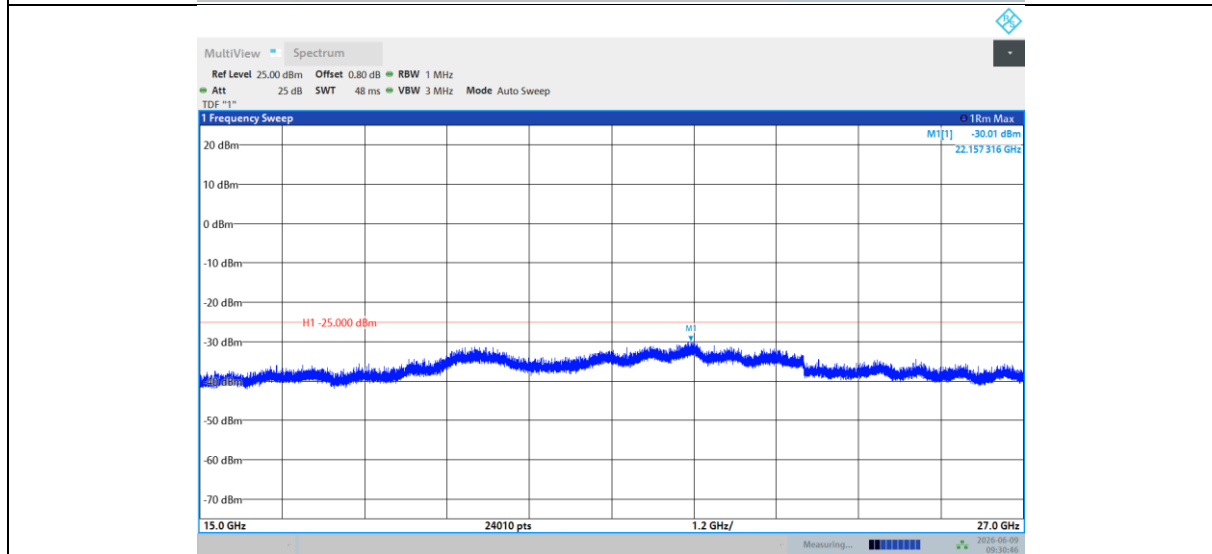
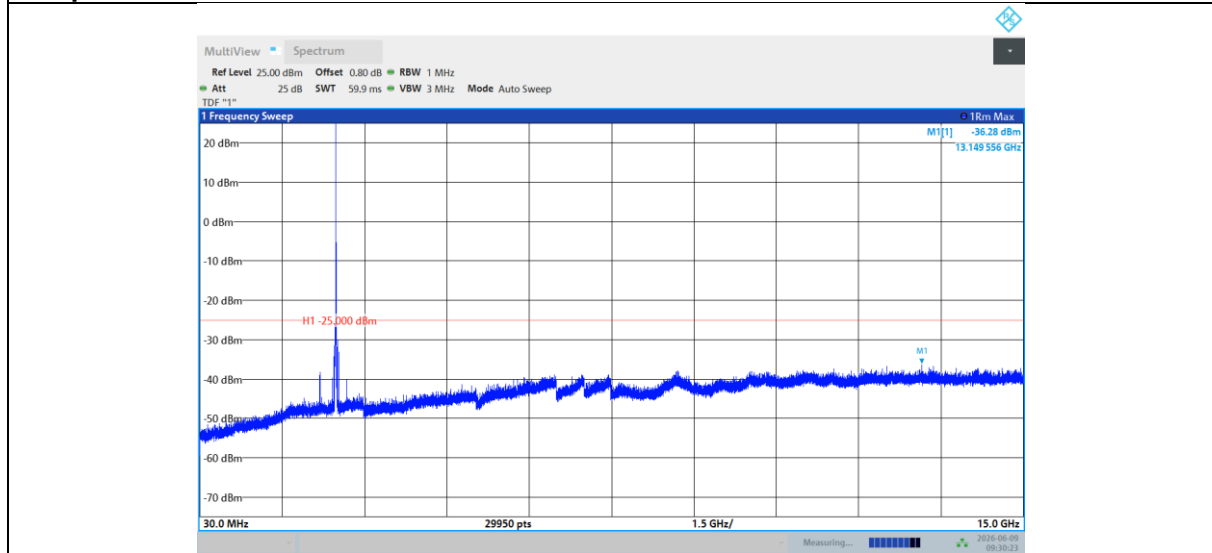
Graph9



Test Report No.: RF260714B004



Graph10

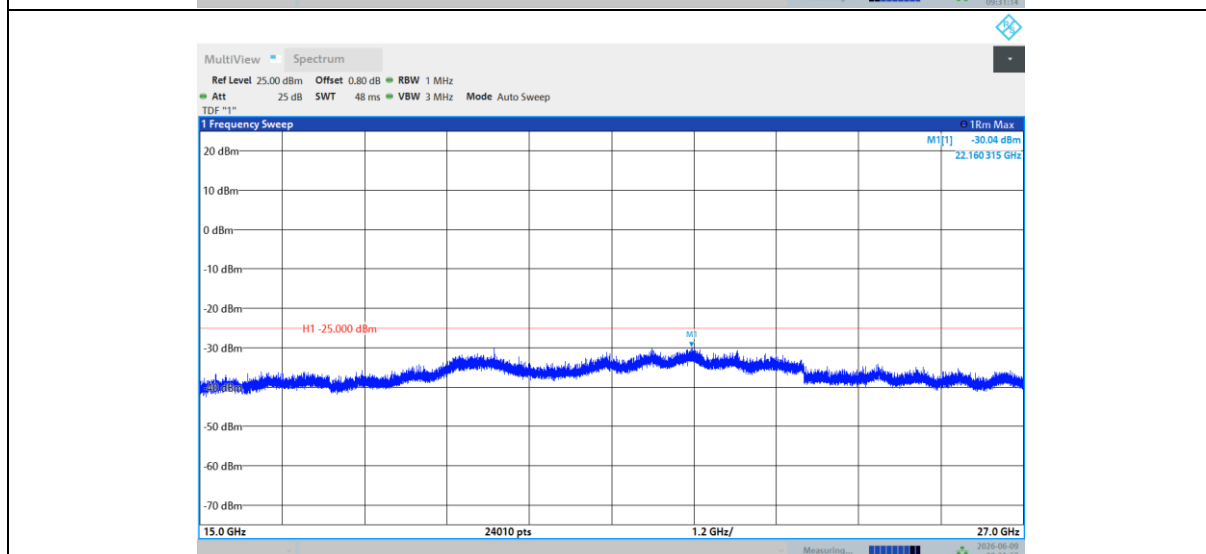
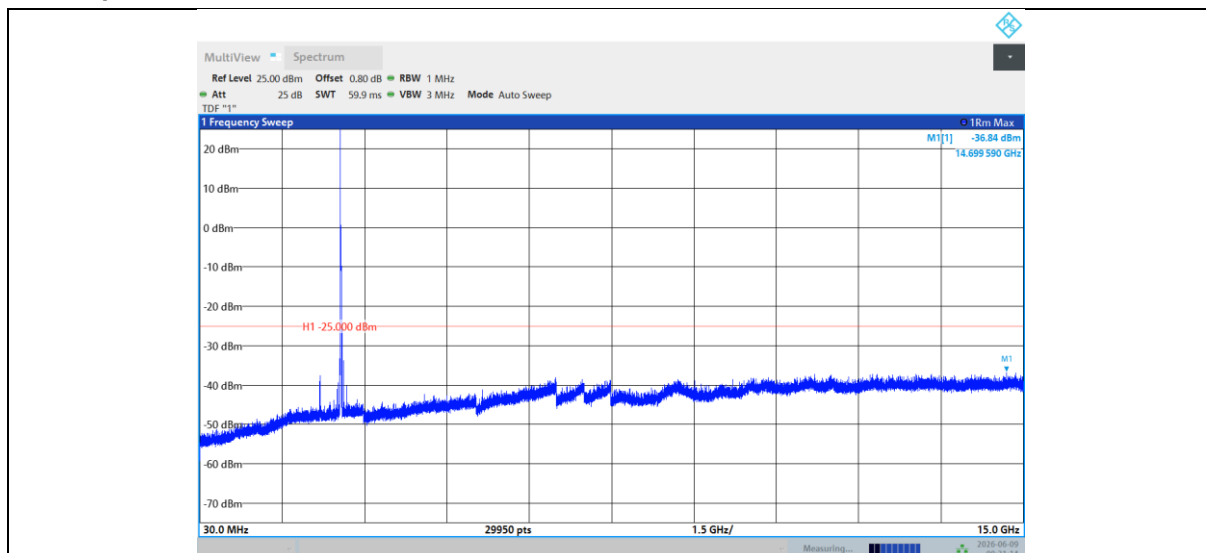


Graph11

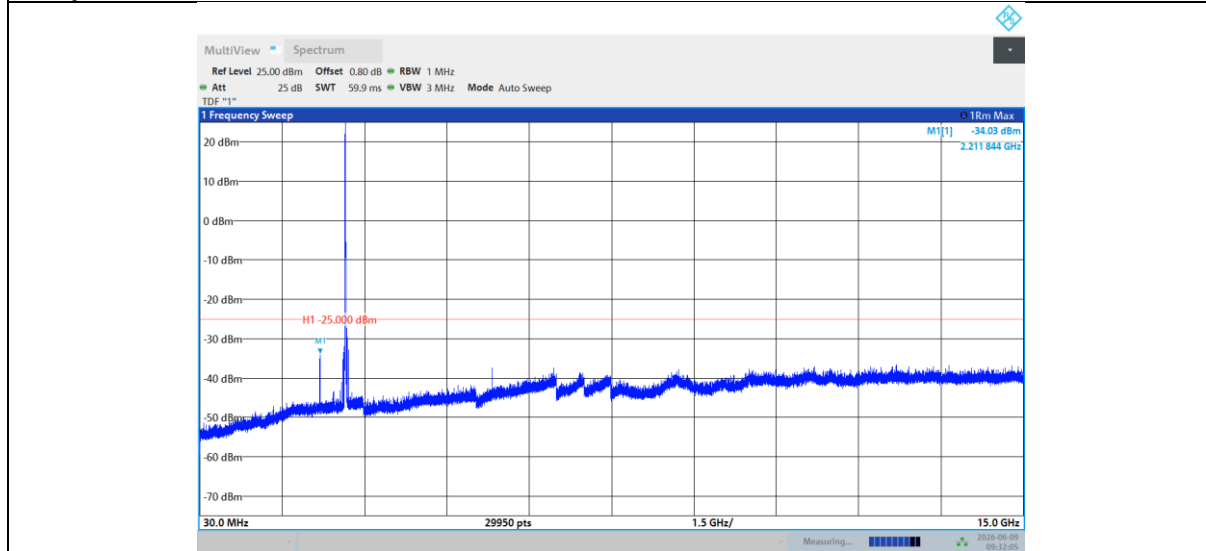
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CO., LTD.

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4th Road, Chiwan Community, Zhaoshang Street,  
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

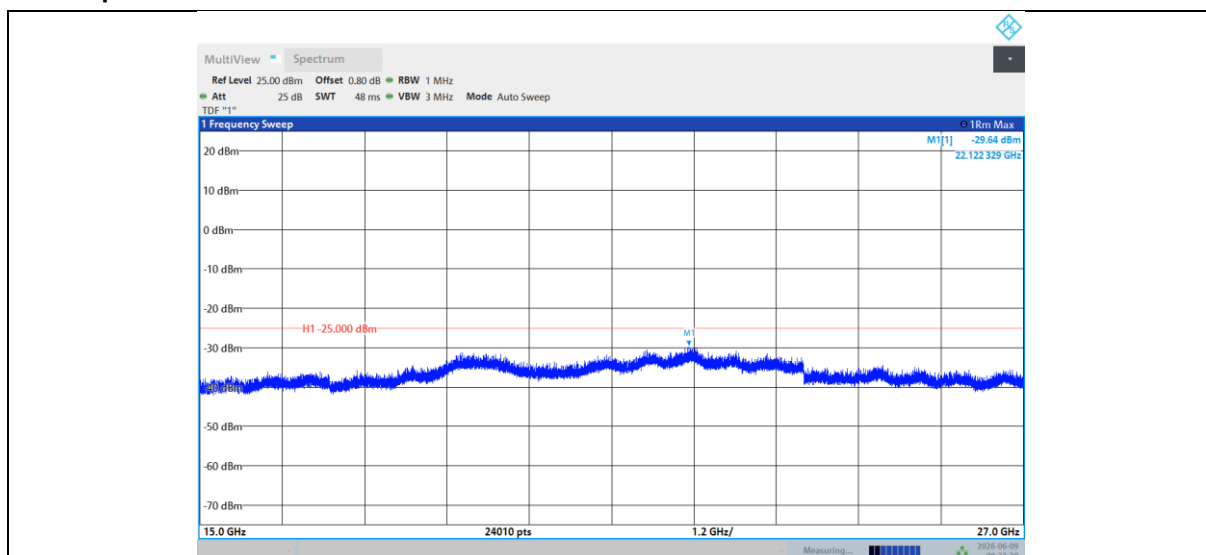
Mobile: +86 15118052731  
Email:shimin.wang@boomwavelab.com



Graph12



# Test Report No.: RF260714B004





Test Report No.: RF260714B004

## FREQUENCY STABILITY

### Test Result

| Voltage |           |            |         |              |              |                 |                |                |             |             |             |         |
|---------|-----------|------------|---------|--------------|--------------|-----------------|----------------|----------------|-------------|-------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage[Vdc] | Temperature(°C) | Deviation (Hz) | Deviation(ppm) | FL(MHz)     | FH(MHz)     | Limit (MHz) | Verdict |
| Band41  | 20MHz     | QPSK       | 39750   | 100RB#0      | VL           | NT              | -151.91        | -0.0606        | 2497.043348 | ---         | 2496-2690   | PASS    |
| Band41  | 20MHz     | QPSK       | 39750   | 100RB#0      | VN           | NT              | 9.54           | 0.0038         | 2497.043510 | ---         | 2496-2690   | PASS    |
| Band41  | 20MHz     | QPSK       | 39750   | 100RB#0      | VH           | NT              | -93.77         | -0.0374        | 2497.043406 | ---         | 2496-2690   | PASS    |
| Band41  | 20MHz     | QPSK       | 41490   | 100RB#0      | VL           | NT              | -33.73         | -0.0126        | ---         | 2688.948466 | 2496-2690   | PASS    |
| Band41  | 20MHz     | QPSK       | 41490   | 100RB#0      | VN           | NT              | -50.33         | -0.0188        | ---         | 2688.948450 | 2496-2690   | PASS    |
| Band41  | 20MHz     | QPSK       | 41490   | 100RB#0      | VH           | NT              | -98.68         | -0.0368        | ---         | 2688.948401 | 2496-2690   | PASS    |

| Temperature |           |            |         |              |              |                 |                |                |             |             |             |         |
|-------------|-----------|------------|---------|--------------|--------------|-----------------|----------------|----------------|-------------|-------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage[Vdc] | Temperature(°C) | Deviation (Hz) | Deviation(ppm) | FL(MHz)     | FH(MHz)     | Limit (MHz) | Verdict |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | -30             | -1.97          | -0.0008        | 2497.043498 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | -20             | -123.88        | -0.0494        | 2497.043376 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | -10             | -49.19         | -0.0196        | 2497.043451 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | 0               | -124.12        | -0.0495        | 2497.043376 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | 10              | 5.99           | 0.0024         | 2497.043506 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | 20              | -104.61        | -0.0417        | 2497.043395 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | 30              | -62.58         | -0.0250        | 2497.043437 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | 40              | -161.65        | -0.0645        | 2497.043338 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV           | 50              | -155           | -0.0619        | 2497.043345 | ---         | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | -30             | -128.44        | -0.0479        | ---         | 2688.948372 | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | -20             | -124.12        | -0.0463        | ---         | 2688.948376 | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | -10             | -52            | -0.0194        | ---         | 2688.948448 | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | 0               | -109.17        | -0.0407        | ---         | 2688.948391 | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | 10              | 16.05          | 0.0060         | ---         | 2688.948516 | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | 20              | -168.77        | -0.0630        | ---         | 2688.948331 | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | 30              | -150.31        | -0.0561        | ---         | 2688.948350 | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | 40              | -38.04         | -0.0142        | ---         | 2688.948462 | 2496-2690   | PASS    |
| Band41      | 20MHz     | QPSK       | 41490   | 100RB#0      | NV           | 50              | -129.04        | -0.0481        | ---         | 2688.948371 | 2496-2690   | PASS    |

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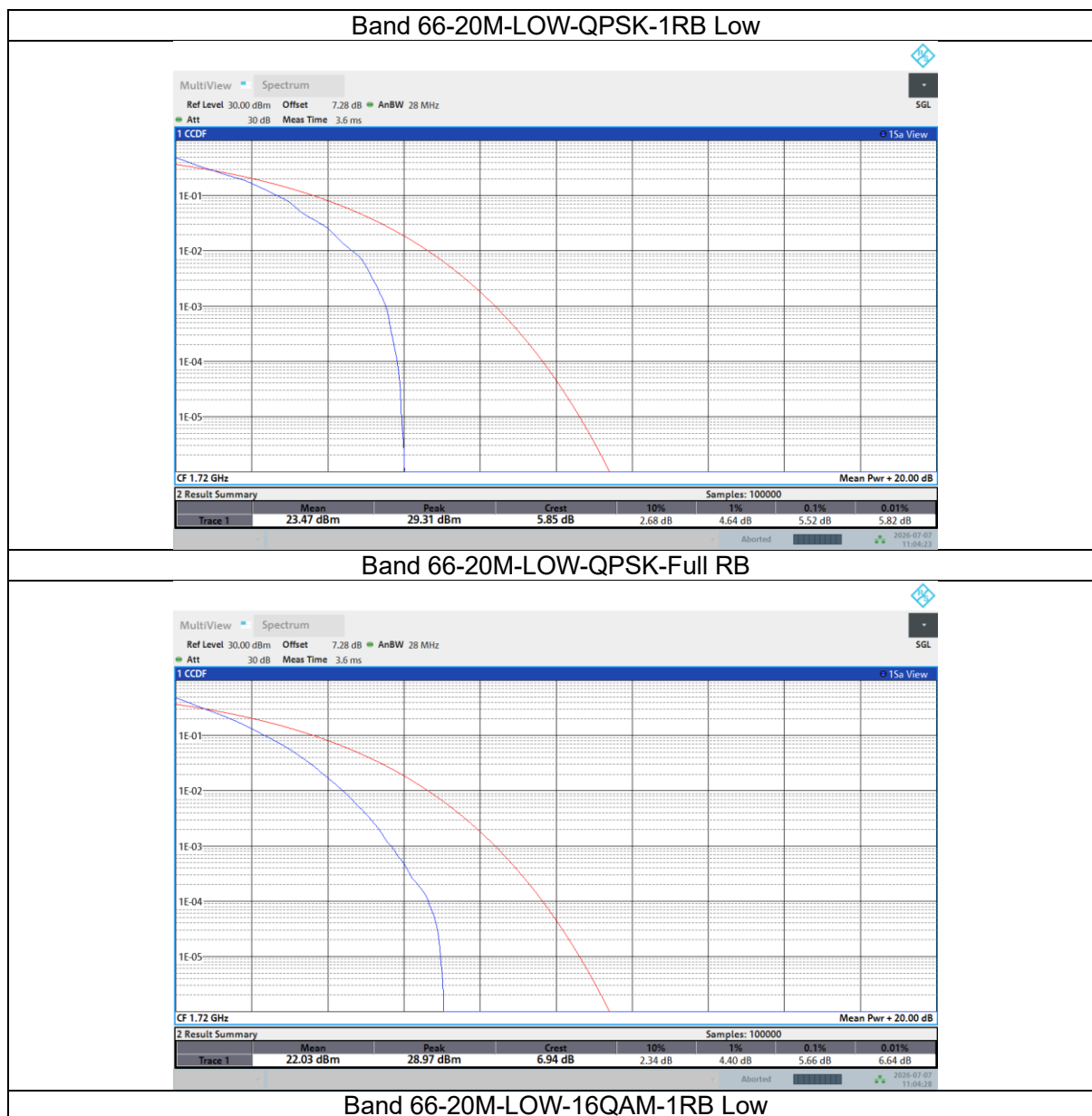
Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan  
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Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731  
Email:shimin.wang@boomwavelab.com

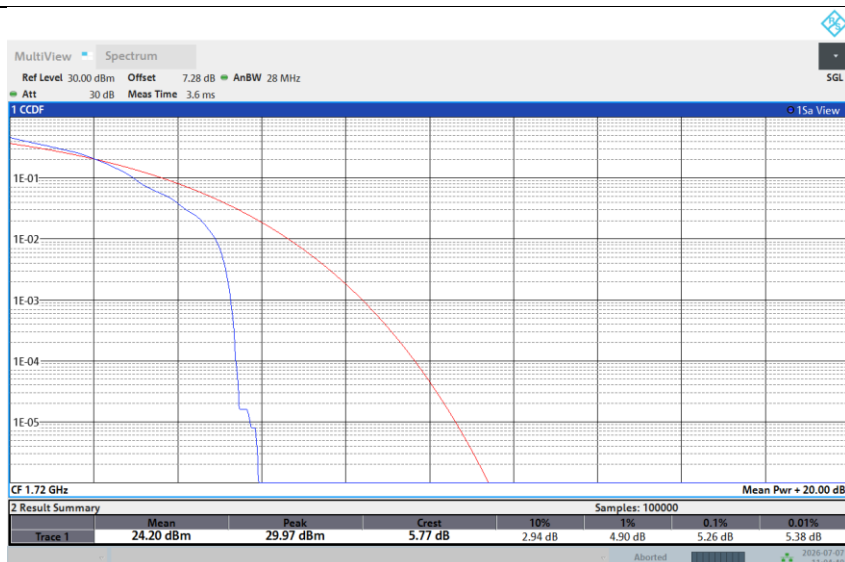
**LTE BAND 66(INCLUDING LTE BAND 4)****PEAK-TO-AVERAGE RATIO(CCDF)****Test Result**

| Bandwidth | Modulation | Channel | RB Configuration | Result (dB) | Limit (dB) | Verdict |
|-----------|------------|---------|------------------|-------------|------------|---------|
| 20MHz     | QPSK       | 132072  | 1RB Low          | 5.52        | 13         | PASS    |
| 20MHz     | QPSK       | 132072  | Full RB          | 5.66        | 13         | PASS    |
| 20MHz     | 16QAM      | 132072  | 1RB Low          | 5.26        | 13         | PASS    |
| 20MHz     | 16QAM      | 132072  | Full RB          | 6.36        | 13         | PASS    |
| 20MHz     | QPSK       | 132322  | 1RB Low          | 5.90        | 13         | PASS    |
| 20MHz     | QPSK       | 132322  | Full RB          | 5.82        | 13         | PASS    |
| 20MHz     | 16QAM      | 132322  | 1RB Low          | 6.44        | 13         | PASS    |
| 20MHz     | 16QAM      | 132322  | Full RB          | 6.82        | 13         | PASS    |
| 20MHz     | QPSK       | 132572  | 1RB Low          | 4.88        | 13         | PASS    |
| 20MHz     | QPSK       | 132572  | Full RB          | 5.92        | 13         | PASS    |
| 20MHz     | 16QAM      | 132572  | 1RB Low          | 5.84        | 13         | PASS    |
| 20MHz     | 16QAM      | 132572  | Full RB          | 6.48        | 13         | PASS    |

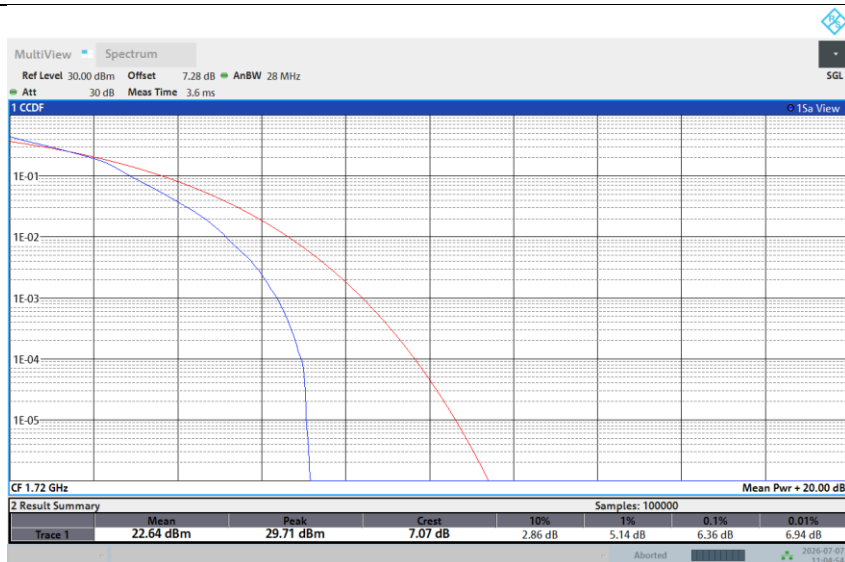
## Test Graphs



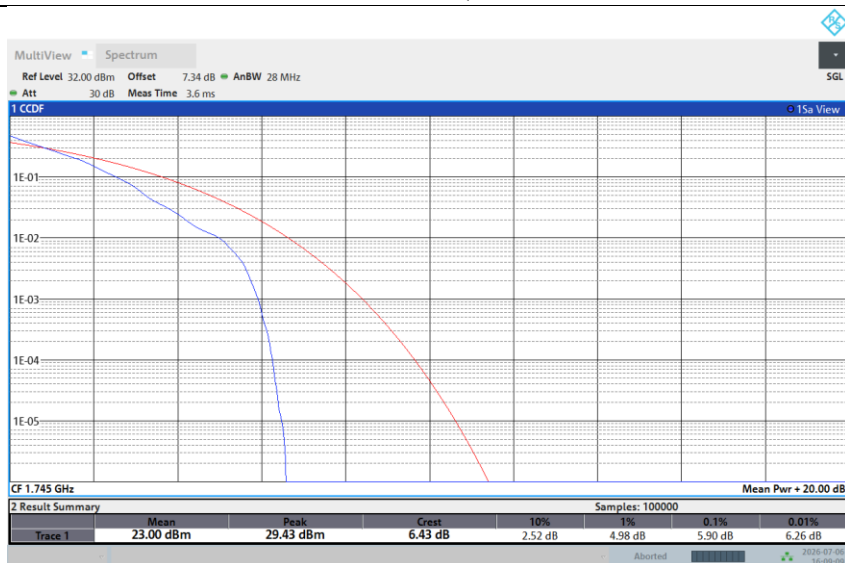
Test Report No.: RF260714B004



Band 66-20M-LOW-16QAM-Full RB



Band 66-20M-MID-QPSK-1RB Low



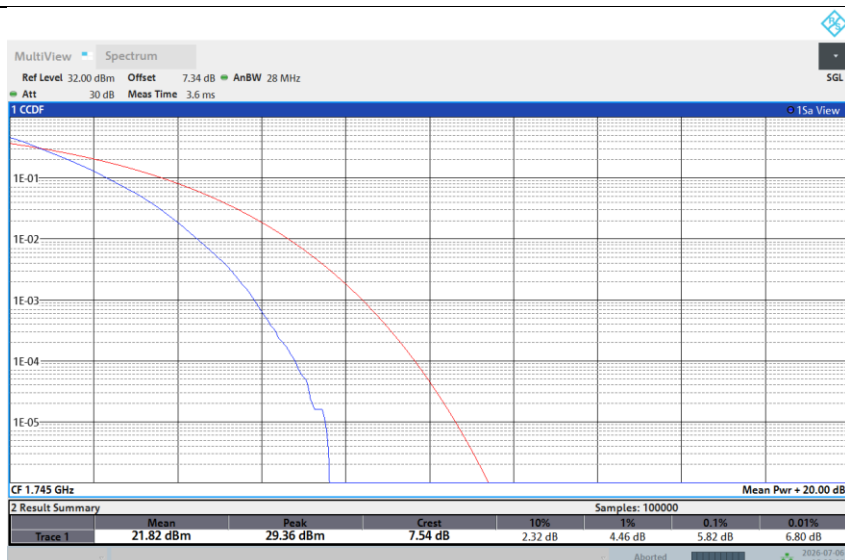
Band 66-20M-MID-QPSK-Full RB

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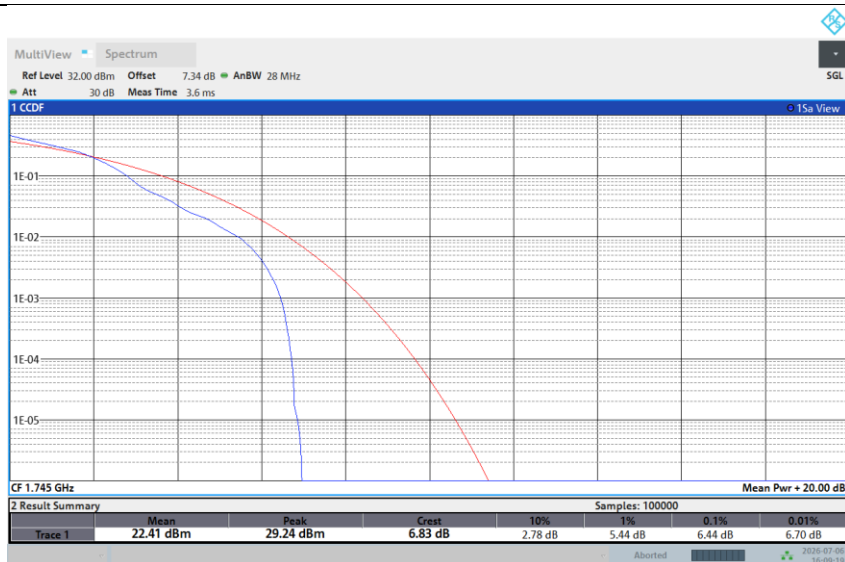
Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan  
4th Road, Chiwan Community, Zhaoshang Street,  
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731  
Email:shimin.wang@boomwavelab.com

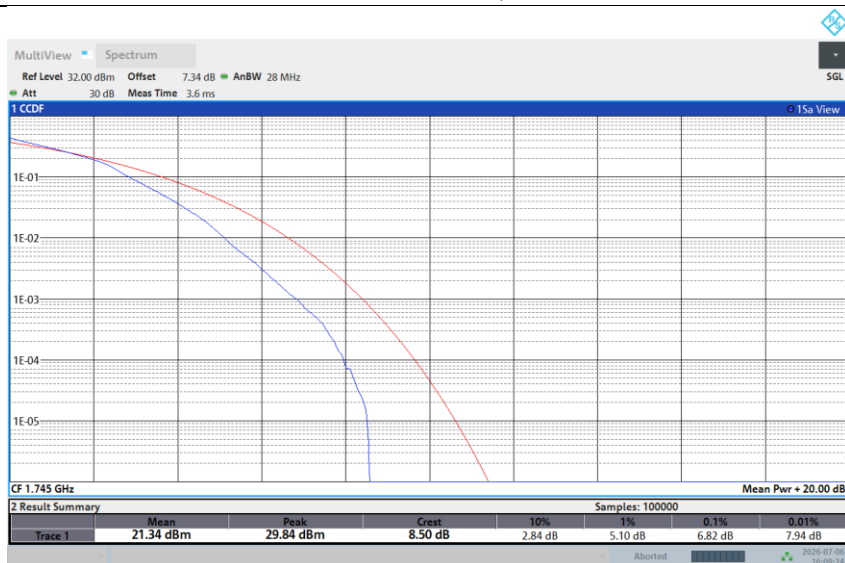
Test Report No.: RF260714B004



Band 66-20M-MID-16QAM-1RB Low



Band 66-20M-MID-16QAM-Full RB



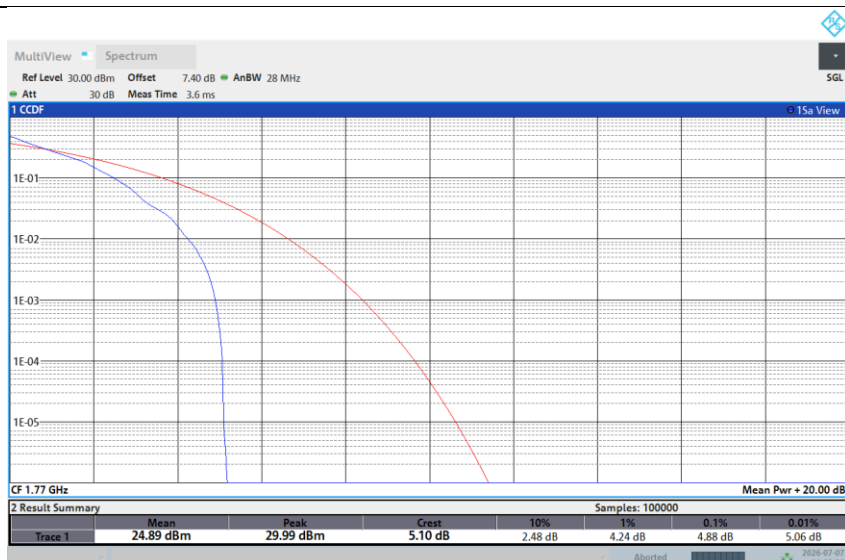
Band 66-20M-HIGH-QPSK-1RB Low

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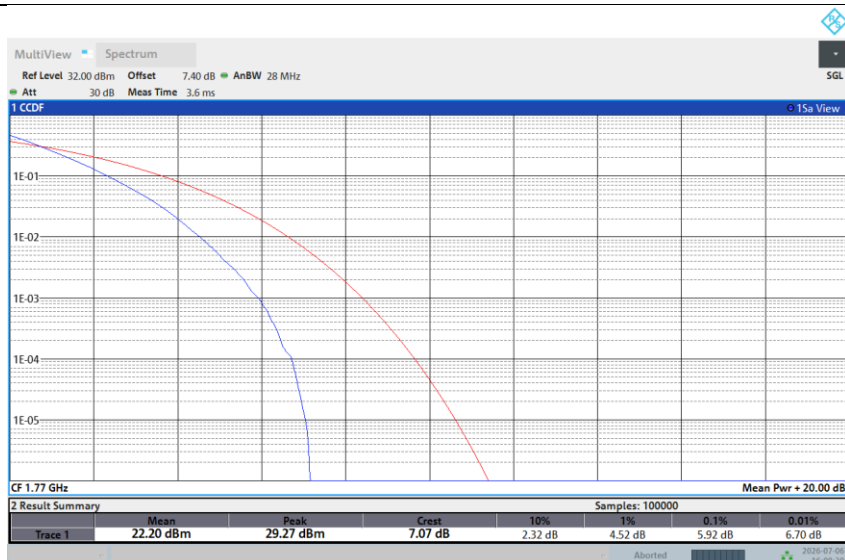
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Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731  
Email:shimin.wang@boomwavelab.com

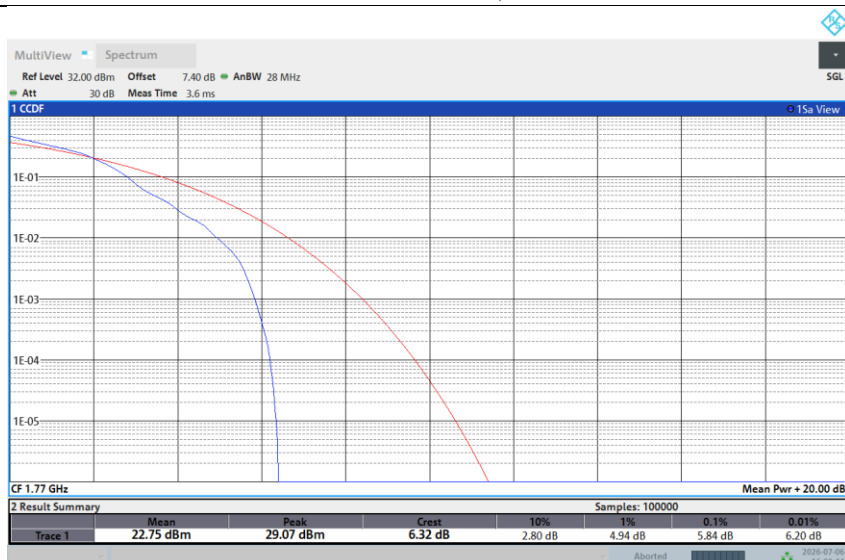
Test Report No.: RF260714B004



Band 66-20M-HIGH-QPSK-Full RB



Band 66-20M-HIGH-16QAM-1RB Low

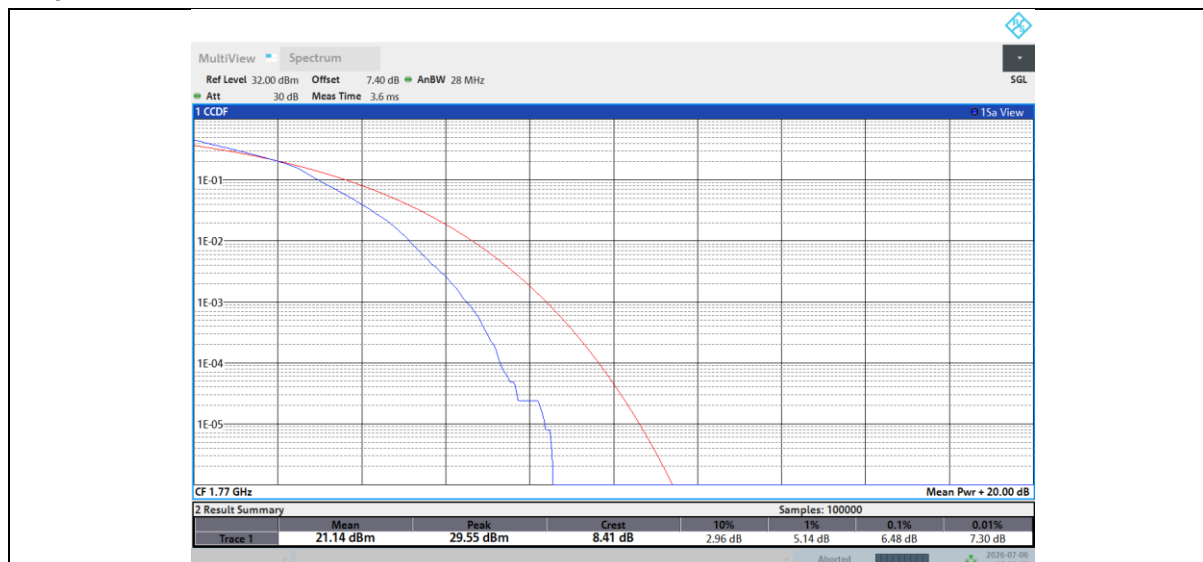


Band 66-20M-HIGH-16QAM-Full RB

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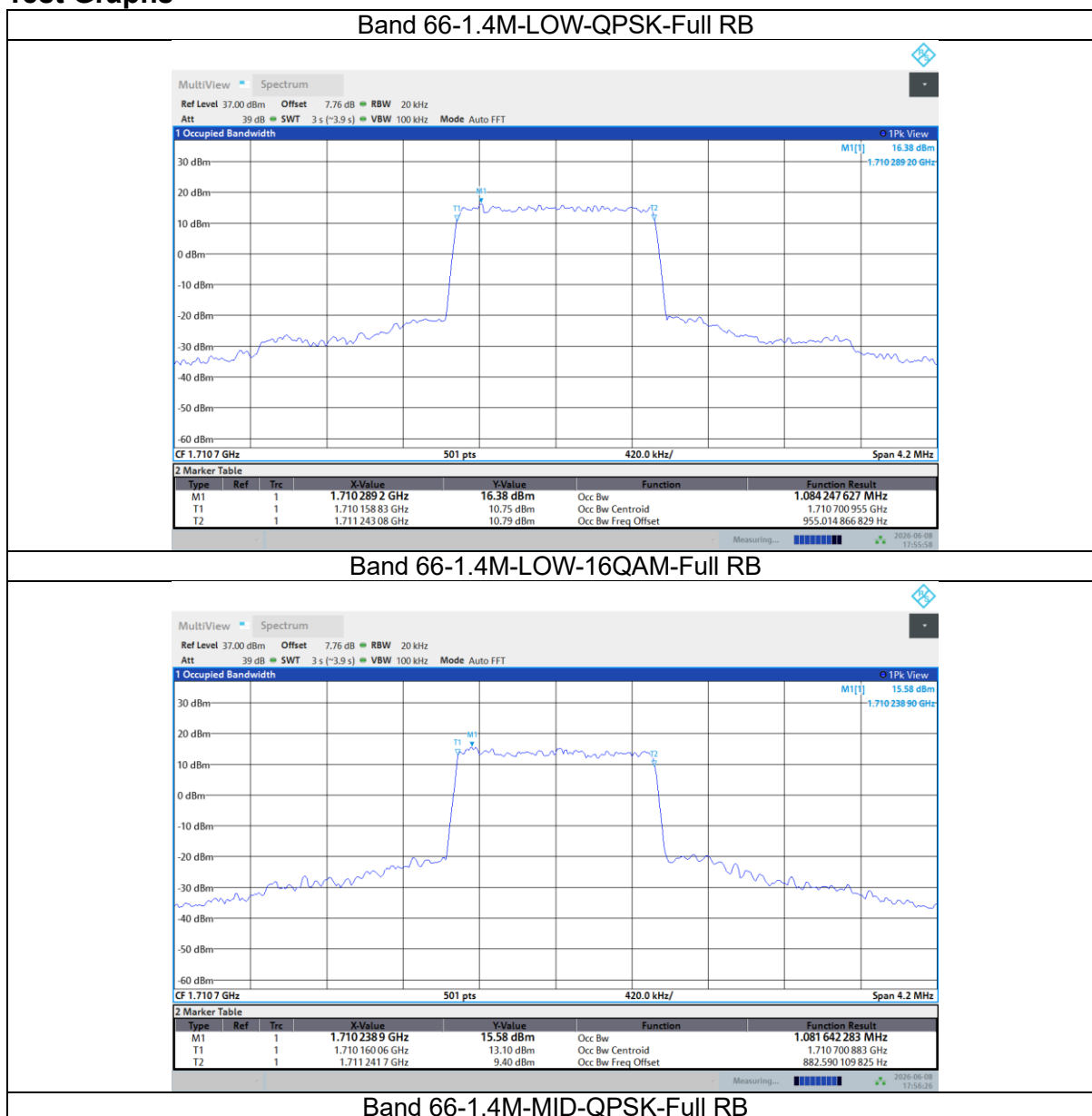
Test Report No.: RF260714B004

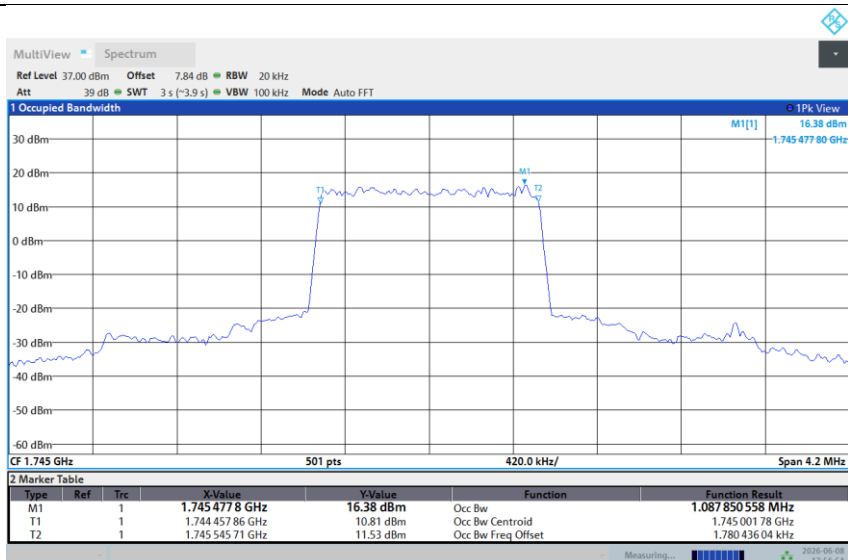
## OCCUPIED BANDWIDTH

### Test Result

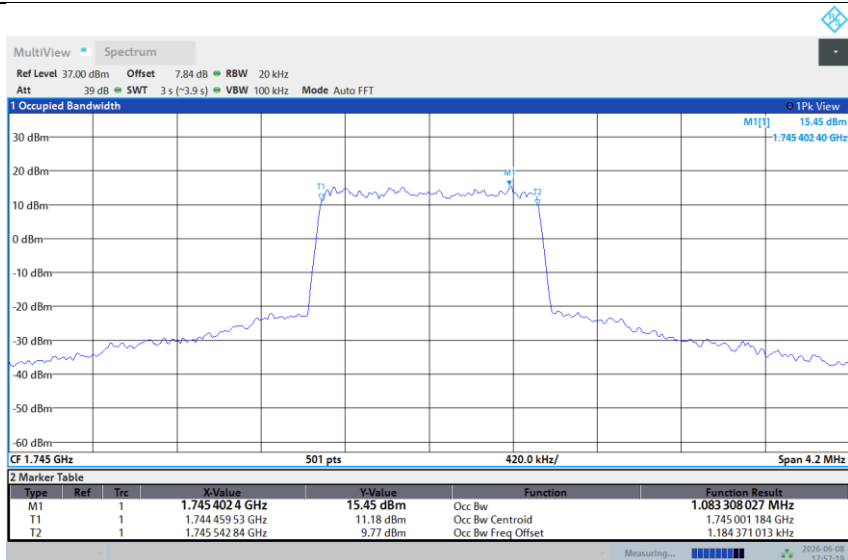
| Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth(MHz) | Verdict |
|-----------|------------|---------|------------------|-------------------------|---------|
| 1.4MHz    | QPSK       | 131979  | Full RB          | 1.084                   | PASS    |
| 1.4MHz    | 16QAM      | 131979  | Full RB          | 1.082                   | PASS    |
| 1.4MHz    | QPSK       | 132322  | Full RB          | 1.088                   | PASS    |
| 1.4MHz    | 16QAM      | 132322  | Full RB          | 1.083                   | PASS    |
| 1.4MHz    | QPSK       | 132665  | Full RB          | 1.082                   | PASS    |
| 1.4MHz    | 16QAM      | 132665  | Full RB          | 1.086                   | PASS    |
| 3MHz      | QPSK       | 131987  | Full RB          | 2.694                   | PASS    |
| 3MHz      | 16QAM      | 131987  | Full RB          | 2.690                   | PASS    |
| 3MHz      | QPSK       | 132322  | Full RB          | 2.695                   | PASS    |
| 3MHz      | 16QAM      | 132322  | Full RB          | 2.689                   | PASS    |
| 3MHz      | QPSK       | 132657  | Full RB          | 2.692                   | PASS    |
| 3MHz      | 16QAM      | 132657  | Full RB          | 2.685                   | PASS    |
| 5MHz      | QPSK       | 131997  | Full RB          | 4.492                   | PASS    |
| 5MHz      | 16QAM      | 131997  | Full RB          | 4.482                   | PASS    |
| 5MHz      | QPSK       | 132322  | Full RB          | 4.491                   | PASS    |
| 5MHz      | 16QAM      | 132322  | Full RB          | 4.495                   | PASS    |
| 5MHz      | QPSK       | 132647  | Full RB          | 4.475                   | PASS    |
| 5MHz      | 16QAM      | 132647  | Full RB          | 4.484                   | PASS    |
| 10MHz     | QPSK       | 132022  | Full RB          | 8.939                   | PASS    |
| 10MHz     | 16QAM      | 132022  | Full RB          | 4.972                   | PASS    |
| 10MHz     | QPSK       | 132322  | Full RB          | 8.944                   | PASS    |
| 10MHz     | 16QAM      | 132322  | Full RB          | 4.938                   | PASS    |
| 10MHz     | QPSK       | 132622  | Full RB          | 8.940                   | PASS    |
| 10MHz     | 16QAM      | 132622  | Full RB          | 4.990                   | PASS    |
| 15MHz     | QPSK       | 132047  | Full RB          | 13.488                  | PASS    |
| 15MHz     | 16QAM      | 132047  | Full RB          | 5.320                   | PASS    |
| 15MHz     | QPSK       | 132322  | Full RB          | 13.471                  | PASS    |
| 15MHz     | 16QAM      | 132322  | Full RB          | 5.522                   | PASS    |
| 15MHz     | QPSK       | 132597  | Full RB          | 13.509                  | PASS    |
| 15MHz     | 16QAM      | 132597  | Full RB          | 5.371                   | PASS    |
| 20MHz     | QPSK       | 132072  | Full RB          | 17.913                  | PASS    |
| 20MHz     | 16QAM      | 132072  | Full RB          | 5.668                   | PASS    |
| 20MHz     | QPSK       | 132322  | Full RB          | 17.912                  | PASS    |
| 20MHz     | 16QAM      | 132322  | Full RB          | 5.757                   | PASS    |
| 20MHz     | QPSK       | 132572  | Full RB          | 17.985                  | PASS    |
| 20MHz     | 16QAM      | 132572  | Full RB          | 5.336                   | PASS    |

## Test Graphs

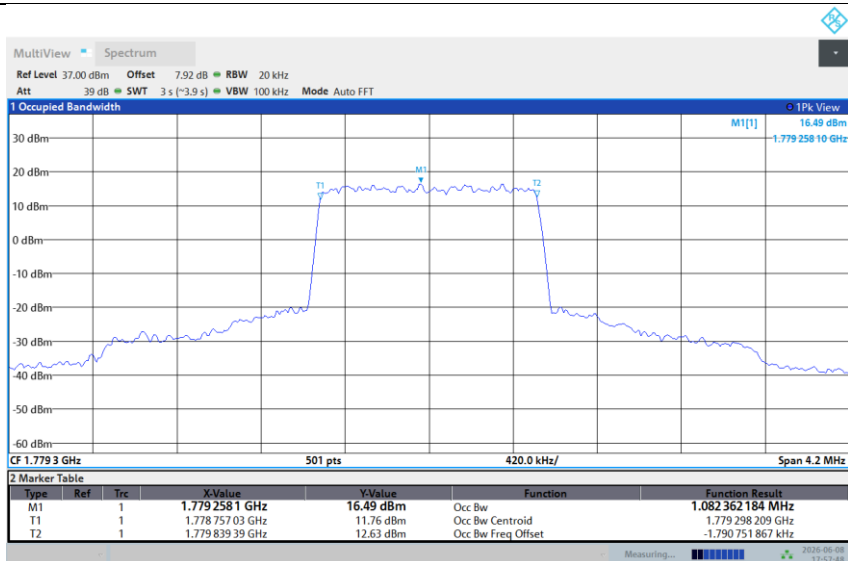




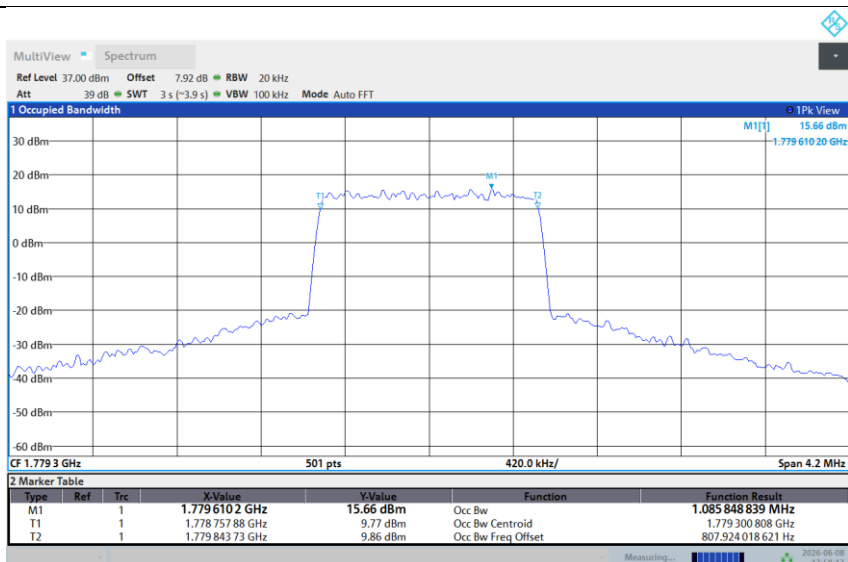
Band 66-1.4M-MID-16QAM-Full RB



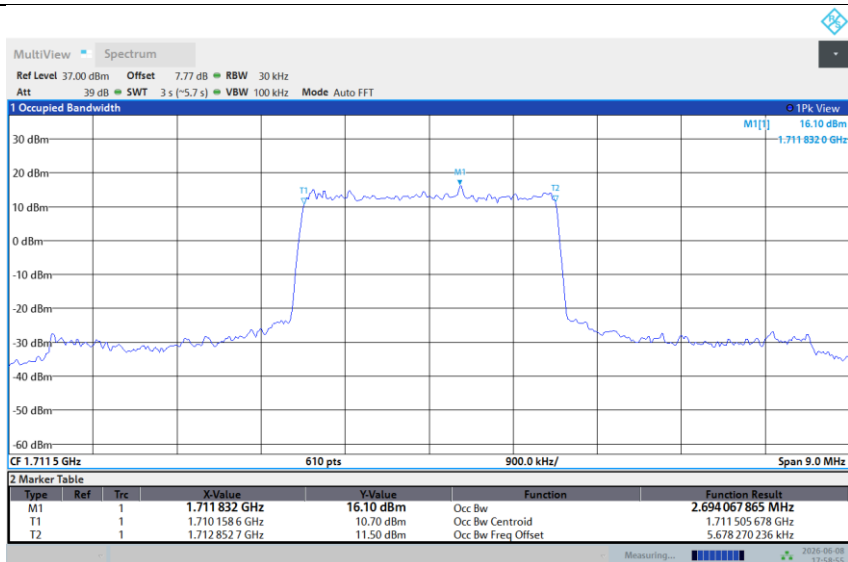
Band 66-1.4M-HIGH-QPSK-Full RB



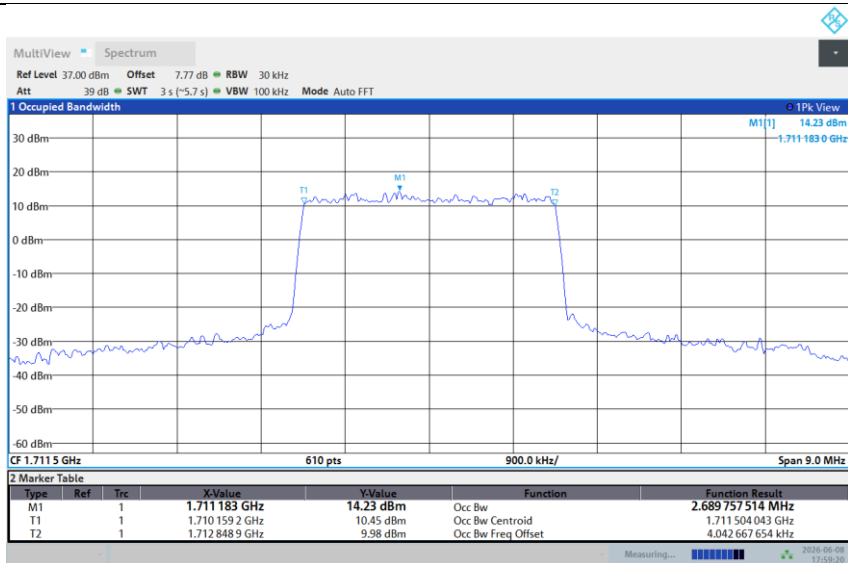
Band 66-1.4M-HIGH-16QAM-Full RB



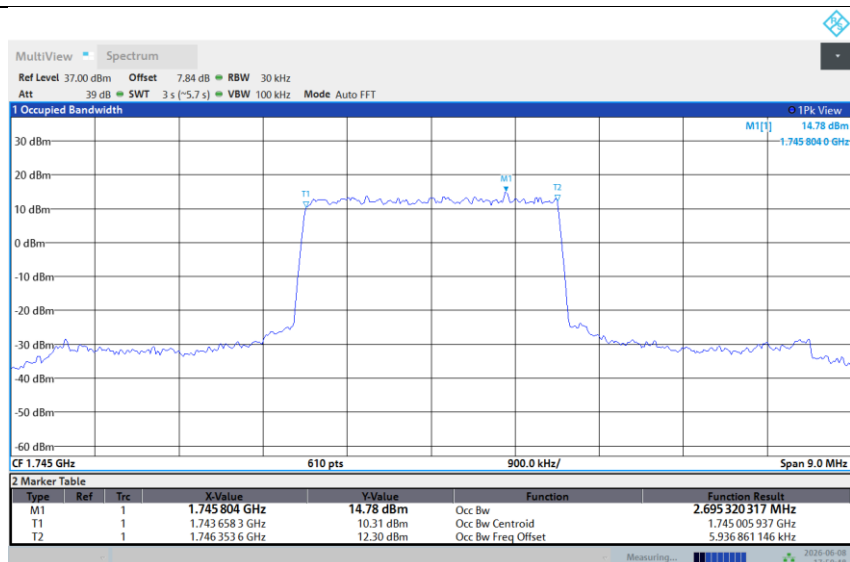
Band 66-3M-LOW-QPSK-Full RB



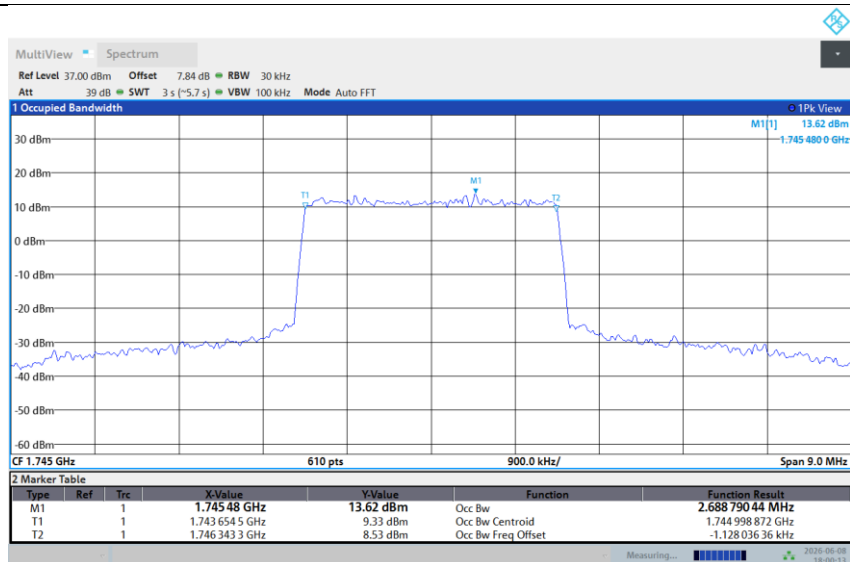
Band 66-3M-LOW-16QAM-Full RB



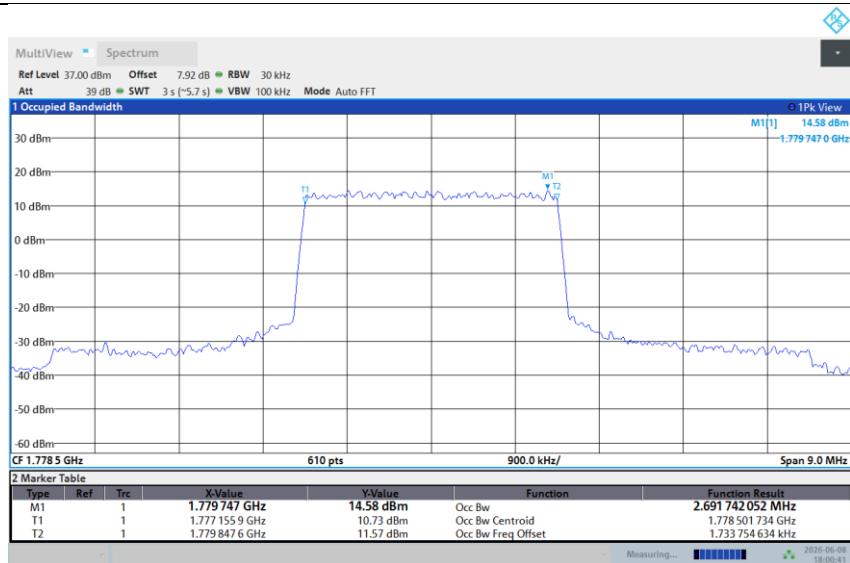
Band 66-3M-MID-QPSK-Full RB



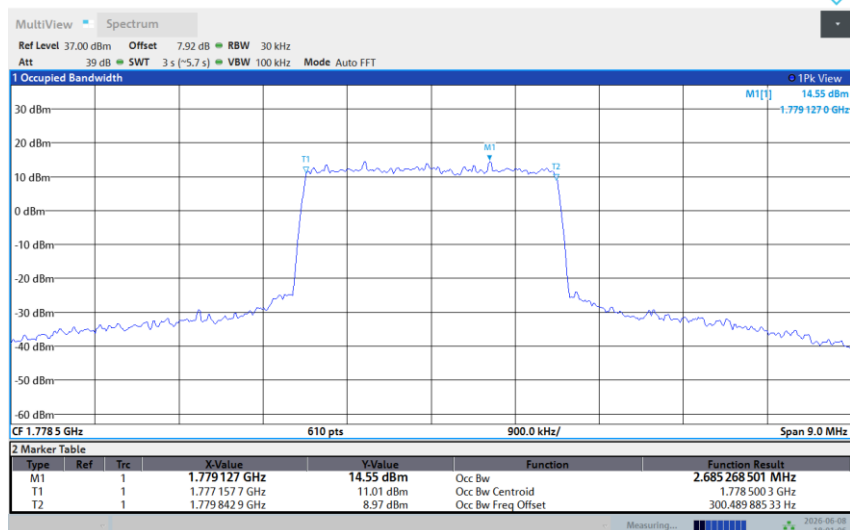
Band 66-3M-MID-16QAM-Full RB



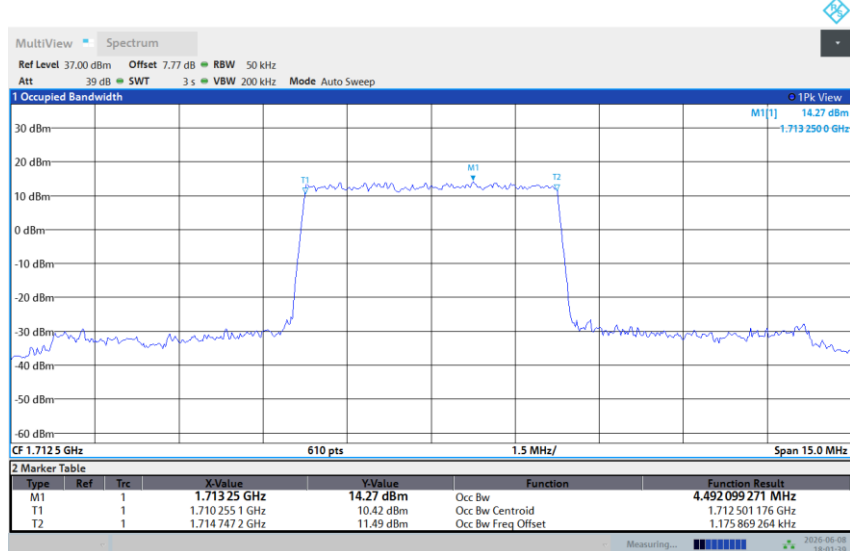
Band 66-3M-HIGH-QPSK-Full RB



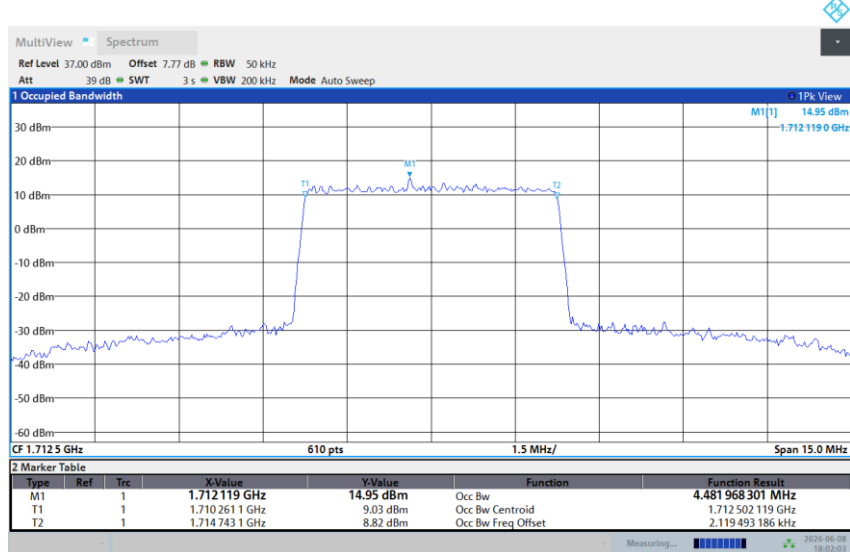
Band 66-3M-HIGH-16QAM-Full RB



Band 66-5M-LOW-QPSK-Full RB



Band 66-5M-LOW-16QAM-Full RB



Band 66-5M-MID-QPSK-Full RB