

## BAND EDGE

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band26 | 1.4MHz    | QPSK       | 26697   | 1RB#0            | See Graph   | PASS    |
| Band26 | 1.4MHz    | QPSK       | 26697   | 6RB#0            | See Graph   | PASS    |
| Band26 | 1.4MHz    | QPSK       | 26783   | 1RB#5            | See Graph   | PASS    |
| Band26 | 1.4MHz    | QPSK       | 26783   | 6RB#0            | See Graph   | PASS    |
| Band26 | 1.4MHz    | 16QAM      | 26697   | 1RB#0            | See Graph   | PASS    |
| Band26 | 1.4MHz    | 16QAM      | 26697   | 6RB#0            | See Graph   | PASS    |
| Band26 | 1.4MHz    | 16QAM      | 26783   | 1RB#5            | See Graph   | PASS    |
| Band26 | 1.4MHz    | 16QAM      | 26783   | 6RB#0            | See Graph   | PASS    |
| Band26 | 3MHz      | QPSK       | 26705   | 1RB#0            | See Graph   | PASS    |
| Band26 | 3MHz      | QPSK       | 26705   | 6RB#0            | See Graph   | PASS    |
| Band26 | 3MHz      | QPSK       | 26775   | 1RB#5            | See Graph   | PASS    |
| Band26 | 3MHz      | QPSK       | 26775   | 6RB#0            | See Graph   | PASS    |
| Band26 | 3MHz      | 16QAM      | 26705   | 1RB#0            | See Graph   | PASS    |
| Band26 | 3MHz      | 16QAM      | 26705   | 6RB#0            | See Graph   | PASS    |
| Band26 | 3MHz      | 16QAM      | 26775   | 1RB#5            | See Graph   | PASS    |
| Band26 | 3MHz      | 16QAM      | 26775   | 6RB#0            | See Graph   | PASS    |
| Band26 | 5MHz      | QPSK       | 26715   | 1RB#0            | See Graph   | PASS    |
| Band26 | 5MHz      | QPSK       | 26715   | 6RB#0            | See Graph   | PASS    |
| Band26 | 5MHz      | QPSK       | 26765   | 1RB#5            | See Graph   | PASS    |
| Band26 | 5MHz      | QPSK       | 26765   | 6RB#0            | See Graph   | PASS    |
| Band26 | 5MHz      | 16QAM      | 26715   | 1RB#0            | See Graph   | PASS    |
| Band26 | 5MHz      | 16QAM      | 26715   | 6RB#0            | See Graph   | PASS    |
| Band26 | 5MHz      | 16QAM      | 26765   | 1RB#5            | See Graph   | PASS    |
| Band26 | 5MHz      | 16QAM      | 26765   | 6RB#0            | See Graph   | PASS    |
| Band26 | 10MHz     | QPSK       | 26740   | 1RB#0            | See Graph   | PASS    |
| Band26 | 10MHz     | QPSK       | 26740   | 1RB#5            | See Graph   | PASS    |
| Band26 | 10MHz     | QPSK       | 26740   | 6RB#0            | See Graph   | PASS    |
| Band26 | 10MHz     | 16QAM      | 26740   | 1RB#0            | See Graph   | PASS    |
| Band26 | 10MHz     | 16QAM      | 26740   | 1RB#5            | See Graph   | PASS    |
| Band26 | 10MHz     | 16QAM      | 26740   | 6RB#0            | See Graph   | PASS    |

### Test Graphs

Band26-1.4MHz-QPSK-26697-1RB#0



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## Test Report No.: W7L-240204W001RF05





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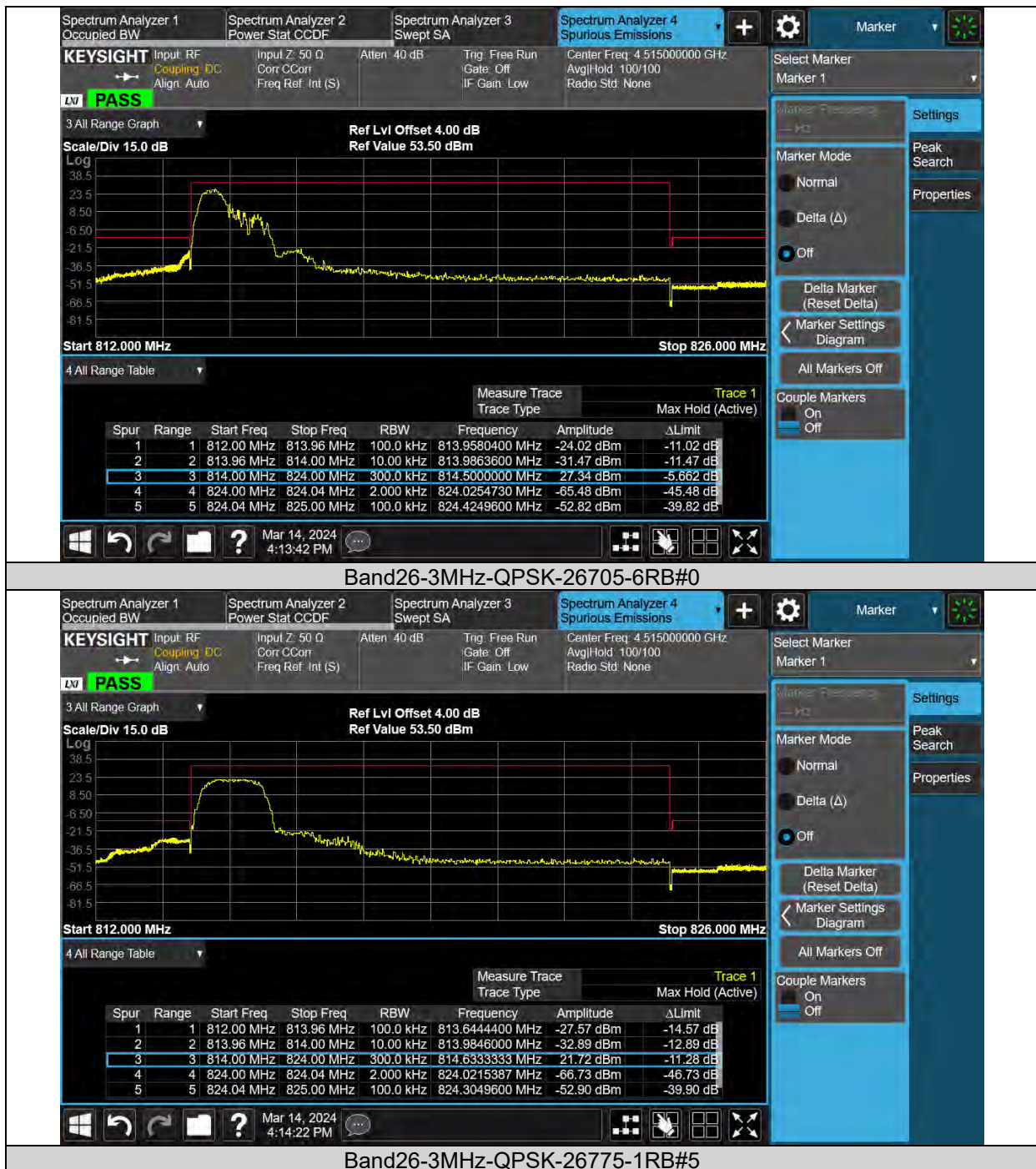
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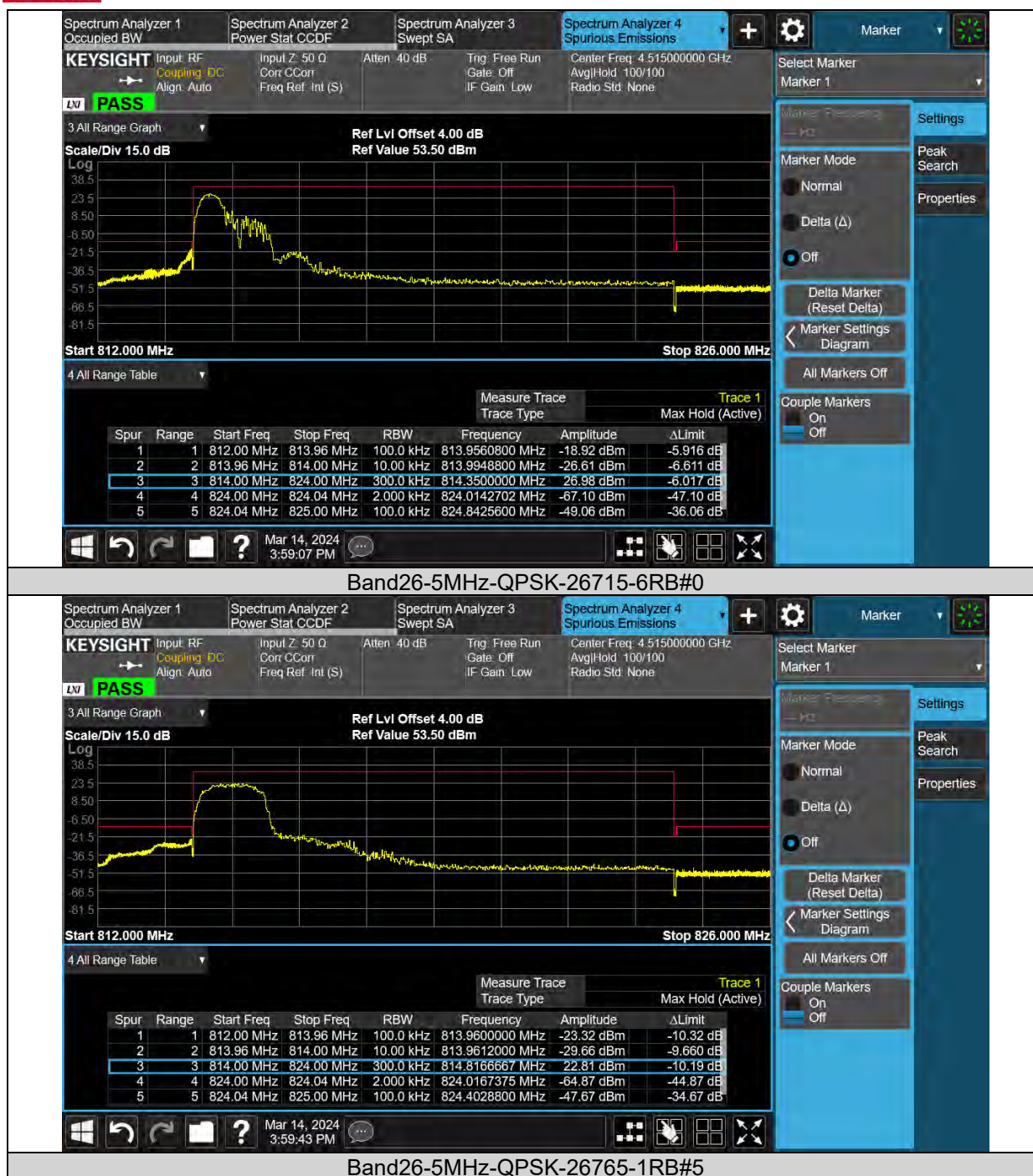
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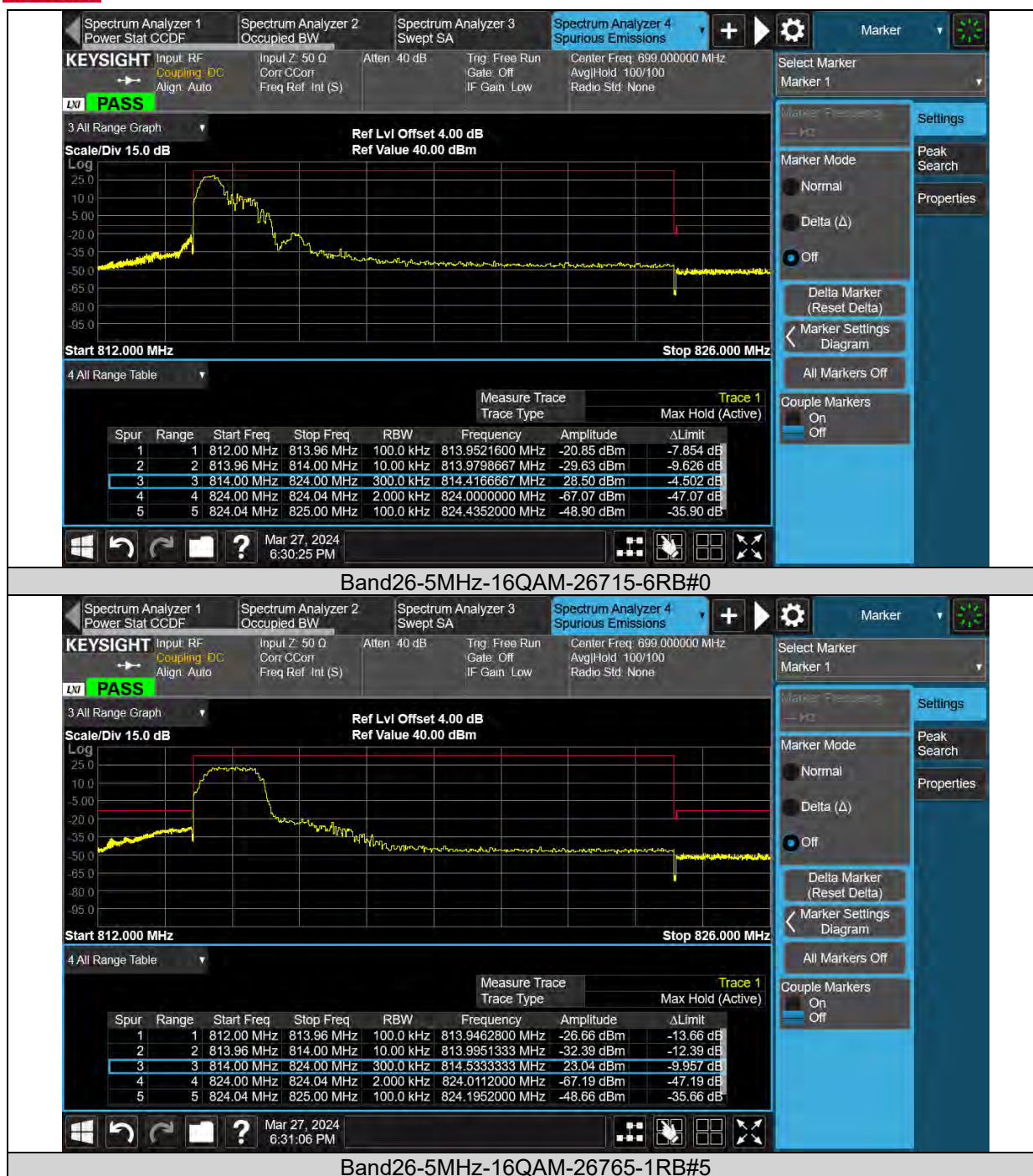
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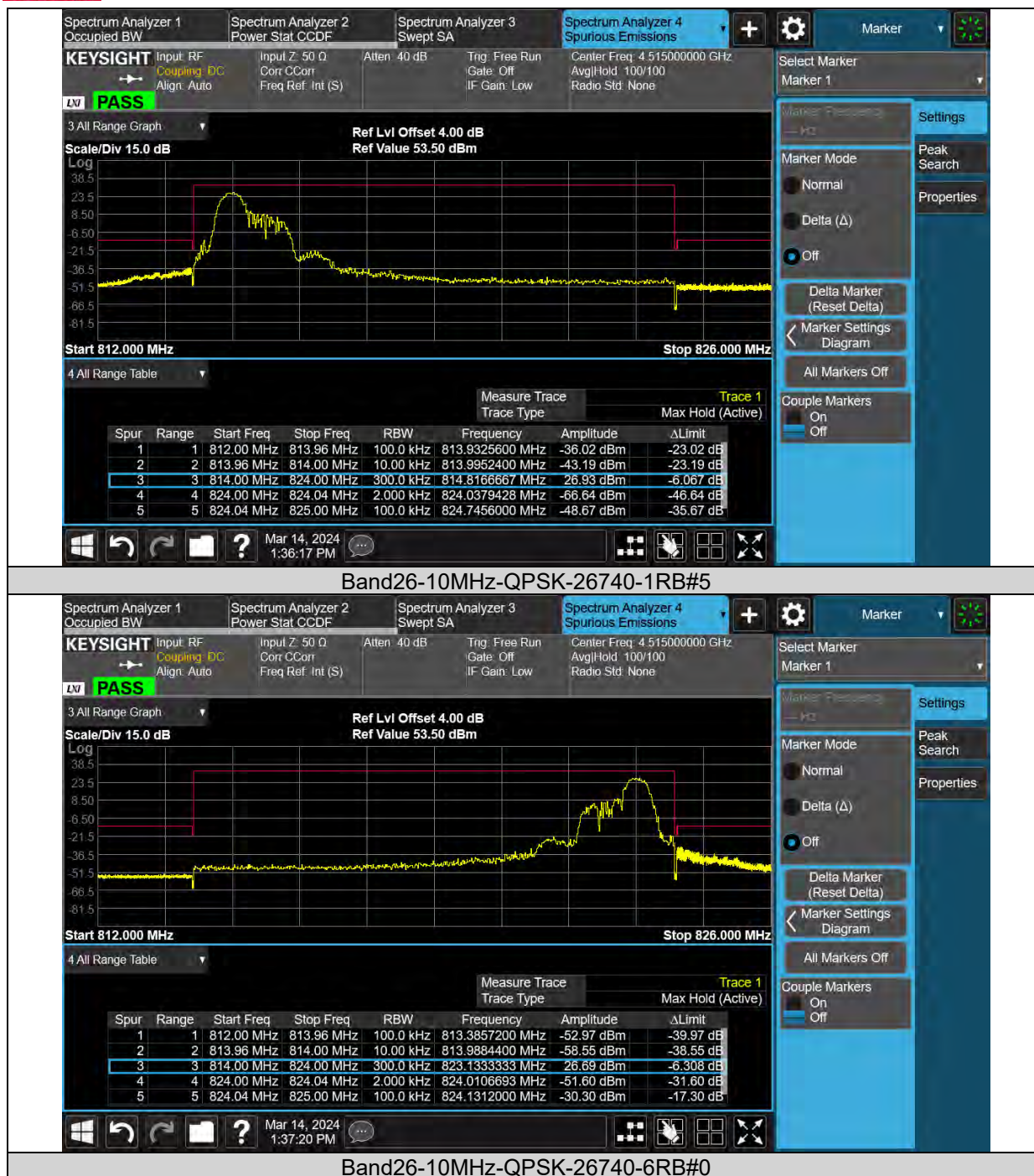
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## CONDUCTED SPURIOUS EMISSION

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB<br>Configur<br>ation | Frequency<br>Range | Result<br>(dBm) | Verdict |
|--------|-----------|------------|---------|-------------------------|--------------------|-----------------|---------|
| Band26 | 1.4MHz    | QPSK       | 26697   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 1.4MHz    | QPSK       | 26740   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 1.4MHz    | QPSK       | 26783   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 1.4MHz    | 16QAM      | 26697   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 1.4MHz    | 16QAM      | 26740   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 1.4MHz    | 16QAM      | 26783   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 3MHz      | QPSK       | 26705   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 3MHz      | QPSK       | 26740   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 3MHz      | QPSK       | 26775   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 3MHz      | 16QAM      | 26705   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 3MHz      | 16QAM      | 26740   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 3MHz      | 16QAM      | 26775   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 5MHz      | QPSK       | 26715   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 5MHz      | QPSK       | 26740   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 5MHz      | QPSK       | 26765   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 5MHz      | 16QAM      | 26715   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 5MHz      | 16QAM      | 26740   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 5MHz      | 16QAM      | 26765   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 10MHz     | QPSK       | 26740   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |
| Band26 | 10MHz     | 16QAM      | 26740   | 1RB#0                   | Range:30~9000MHz   | See Graph       | PASS    |

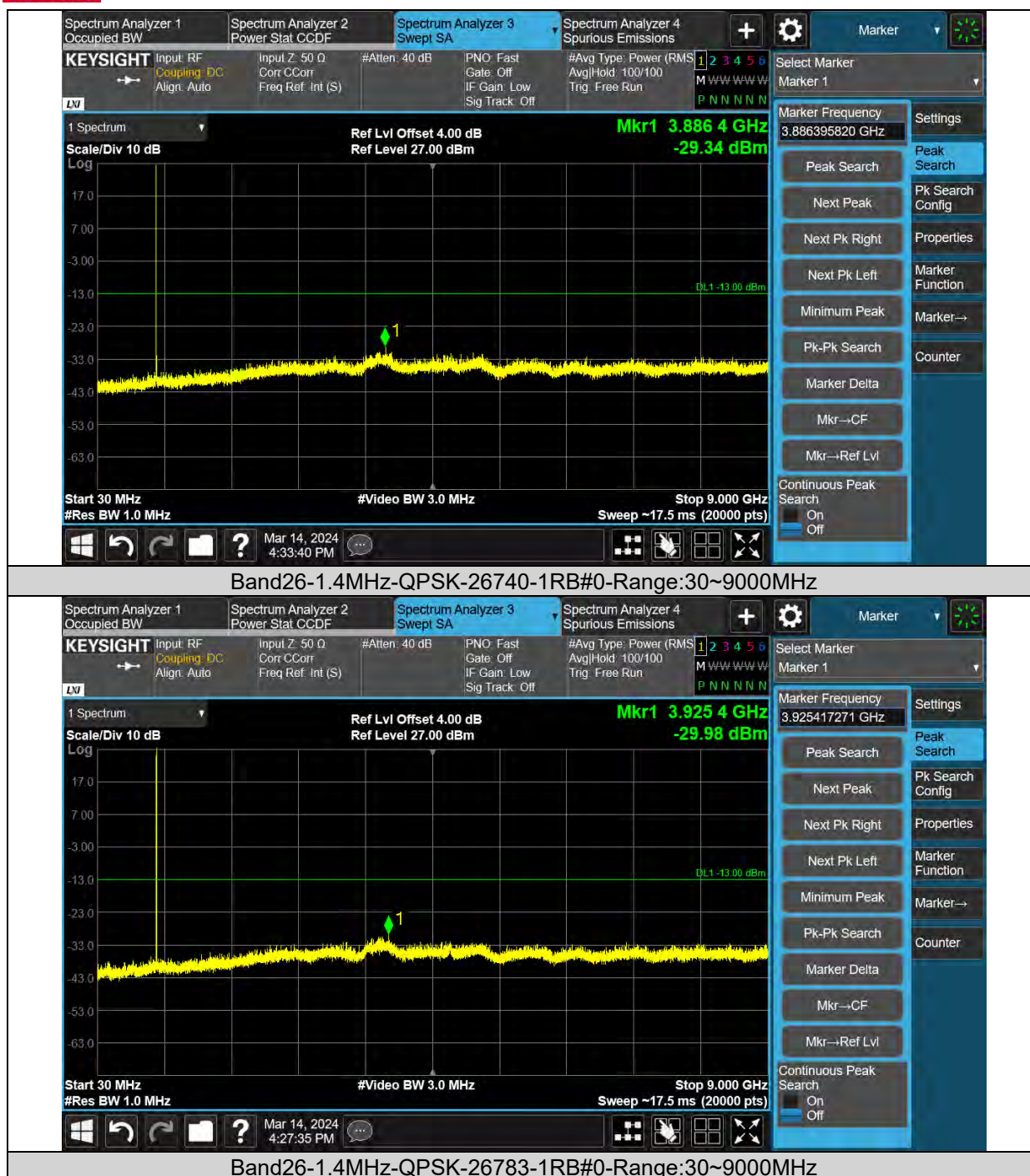
### Test Graphs

Band26-1.4MHz-QPSK-26697-1RB#0-Range:30~9000MHz



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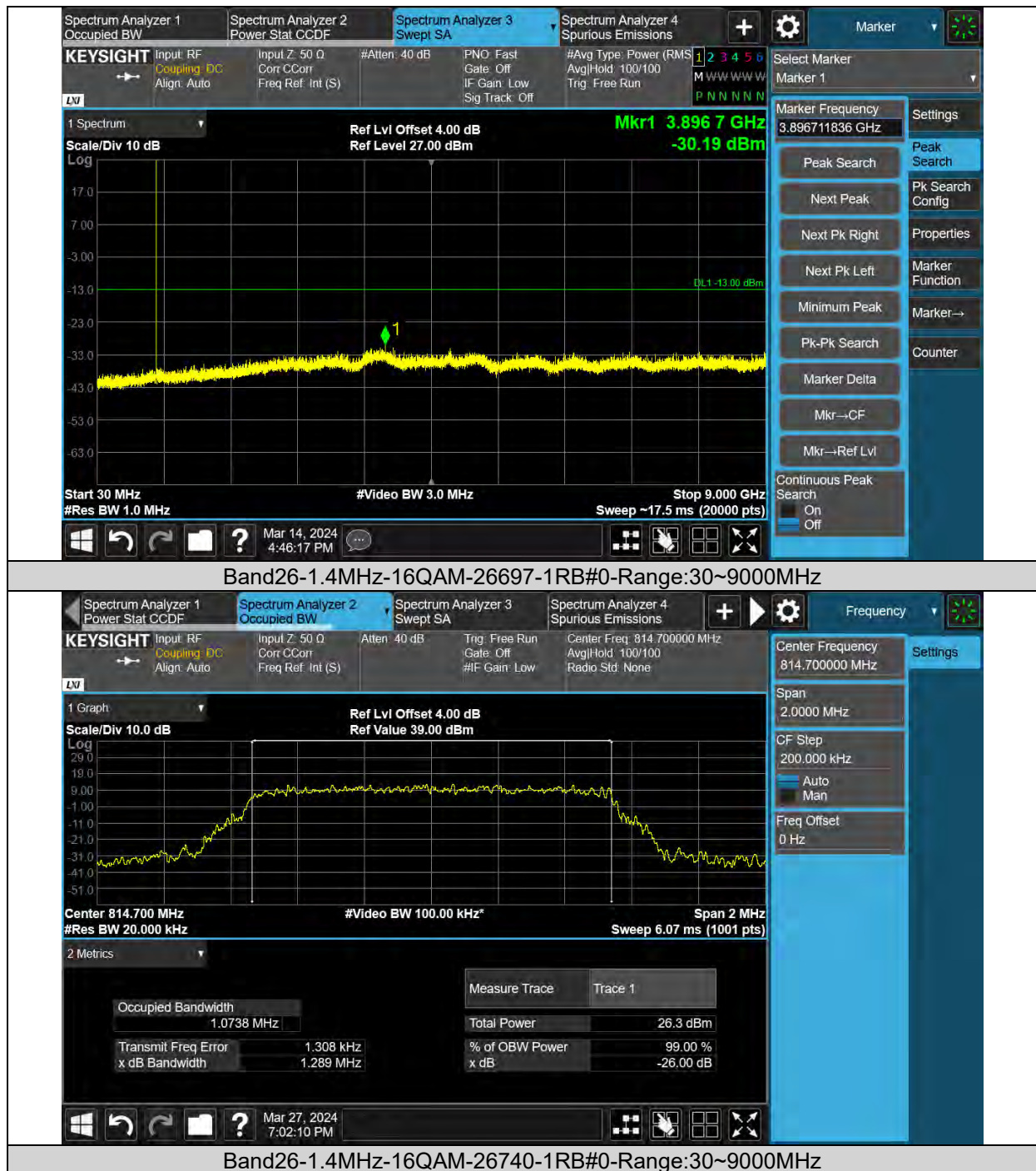
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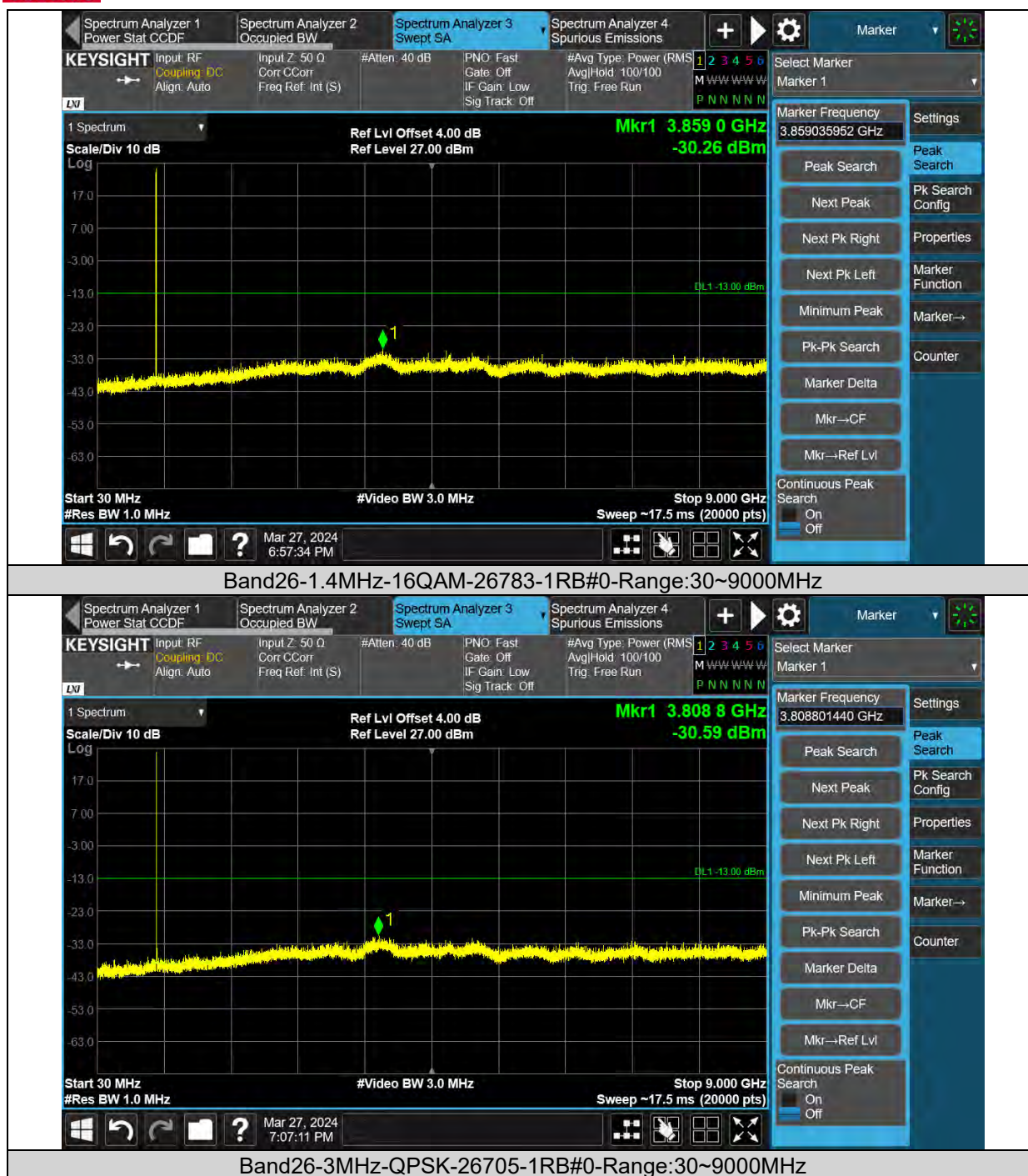
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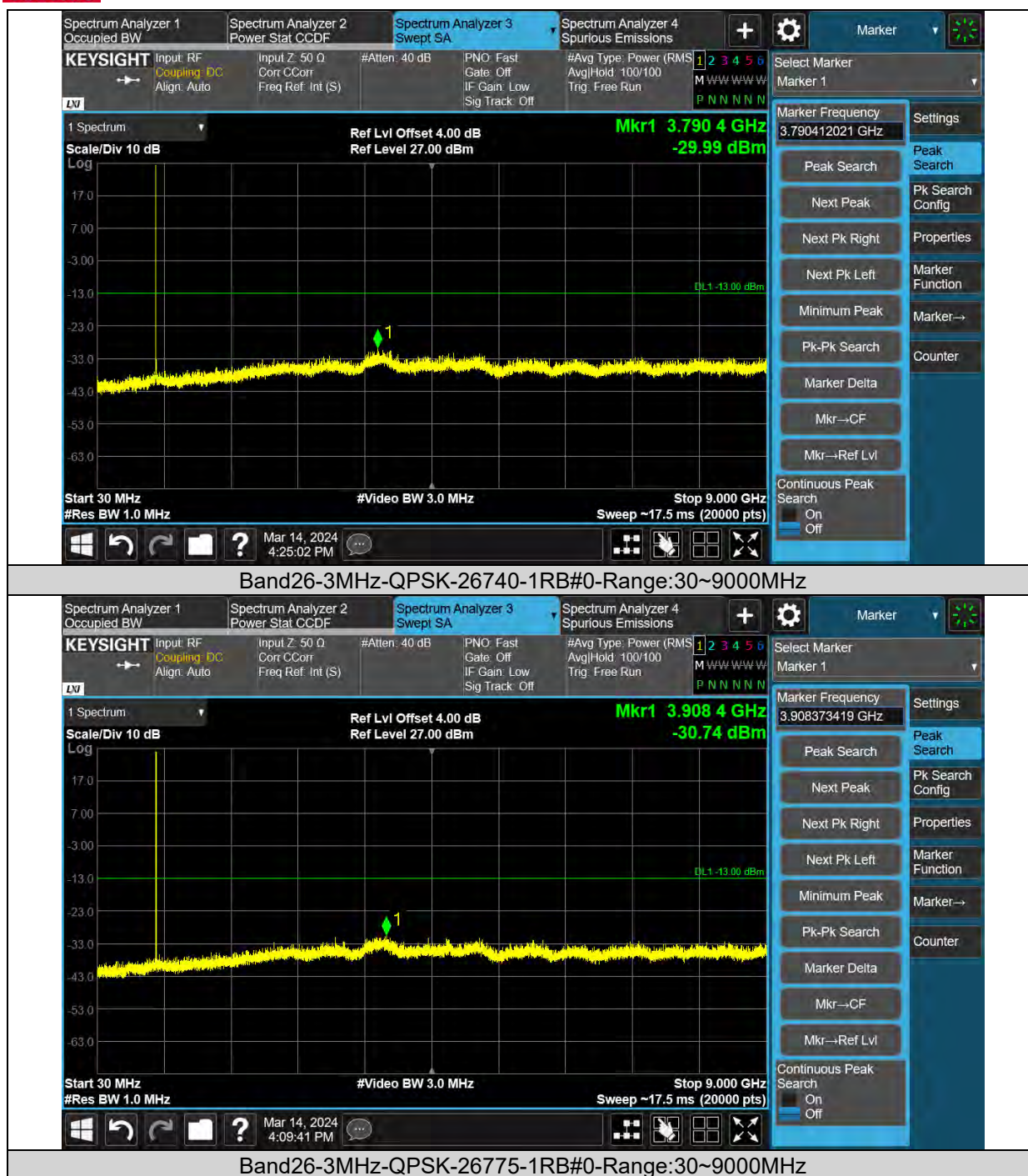
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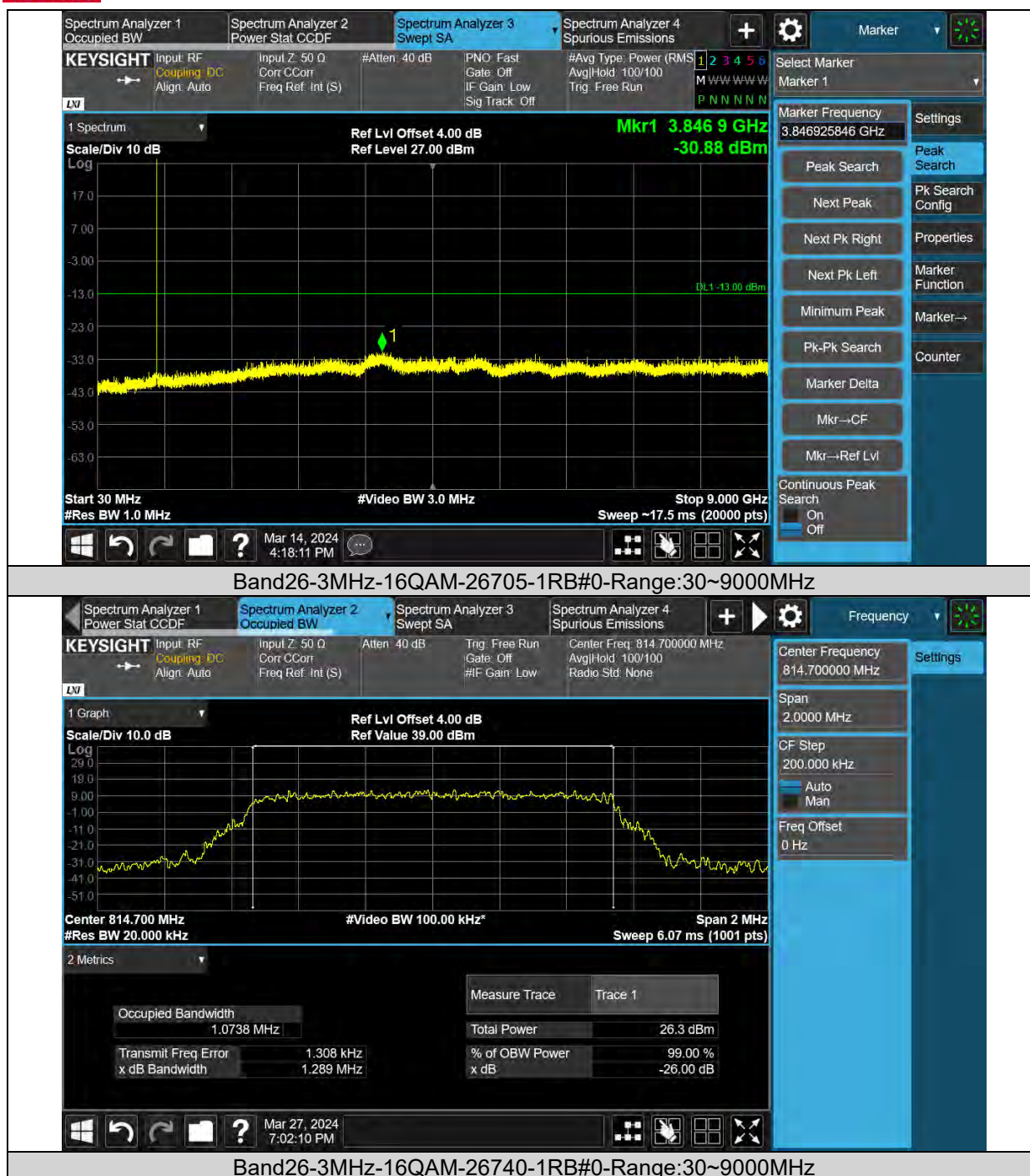
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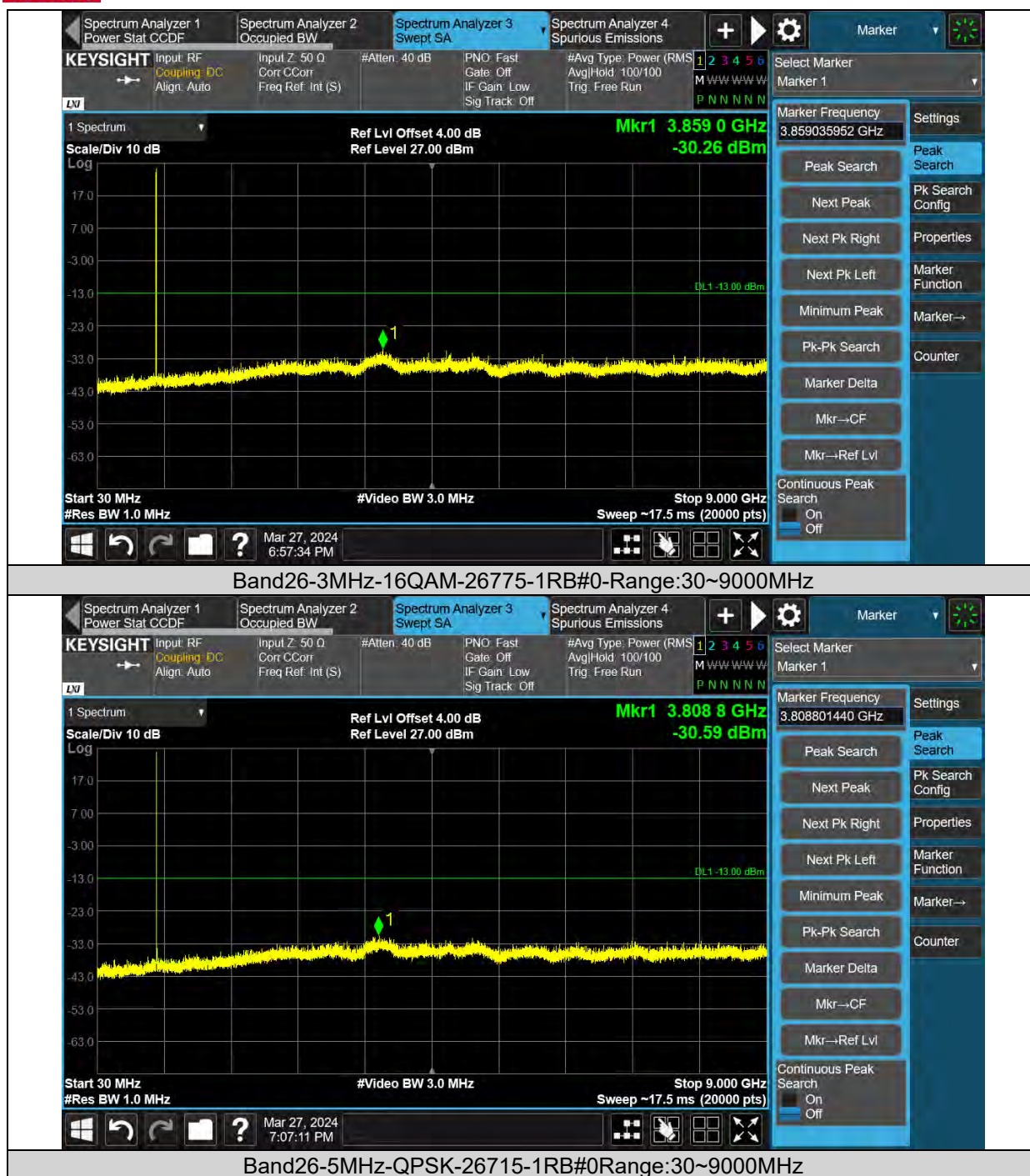
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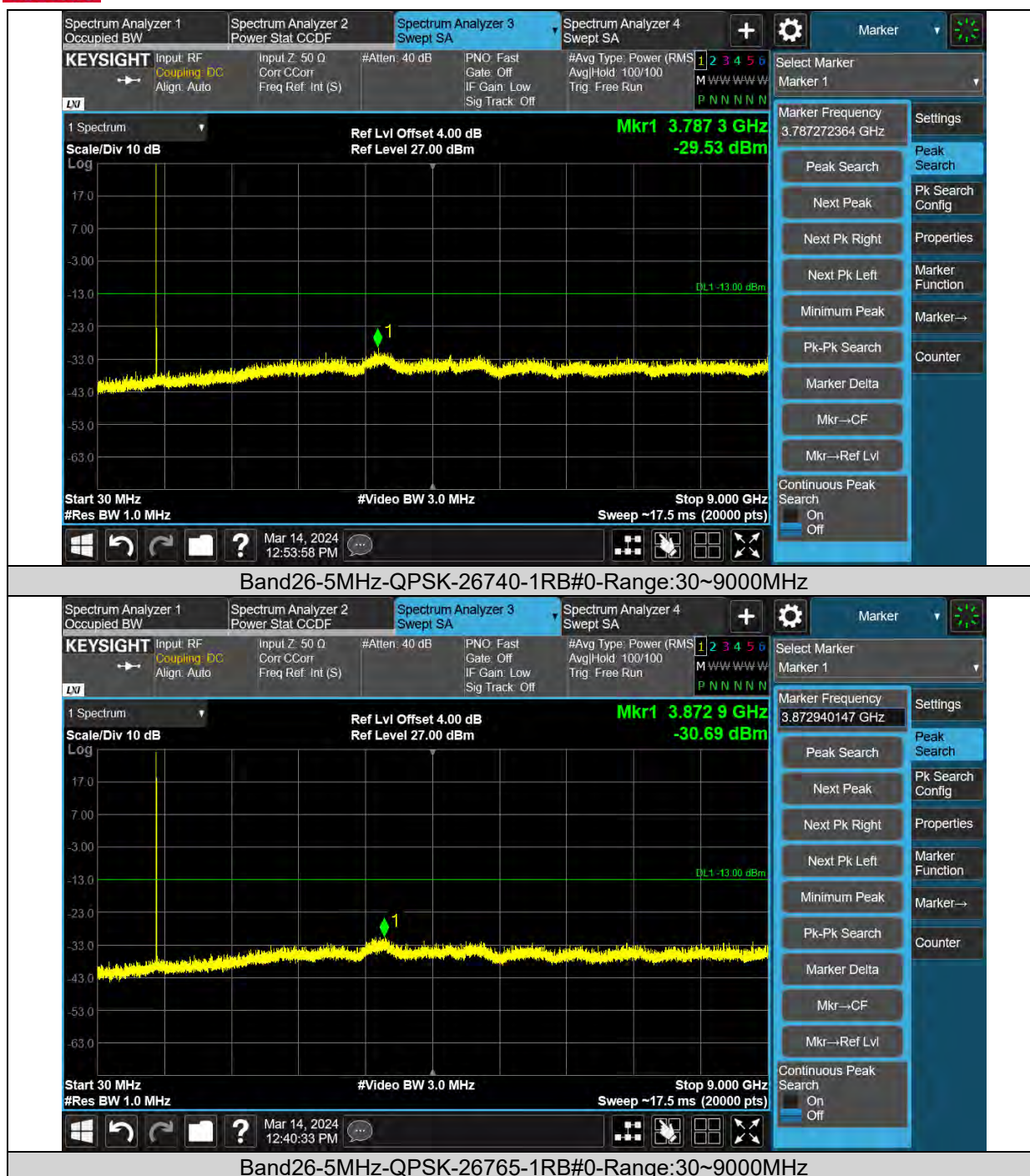
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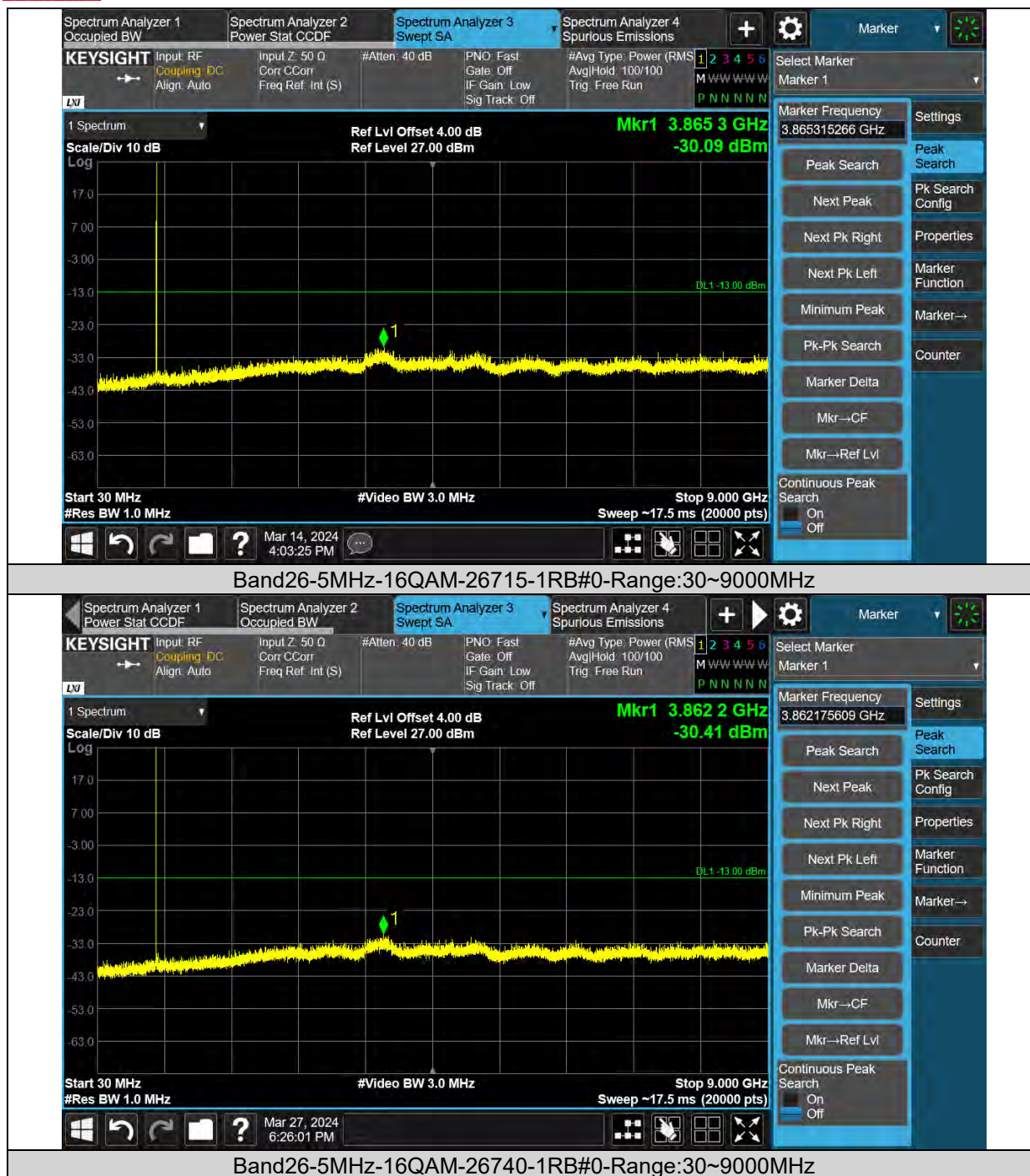
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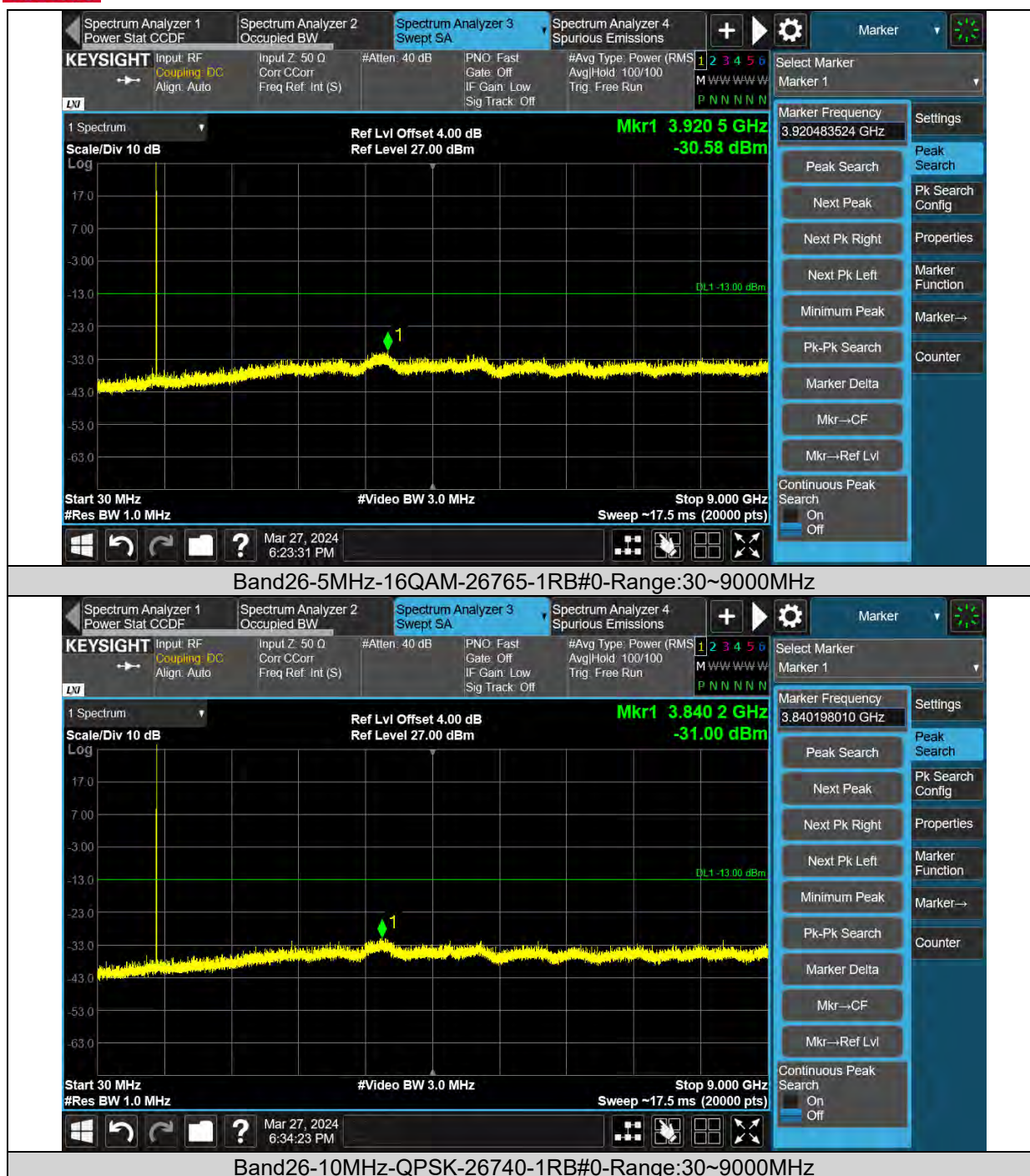
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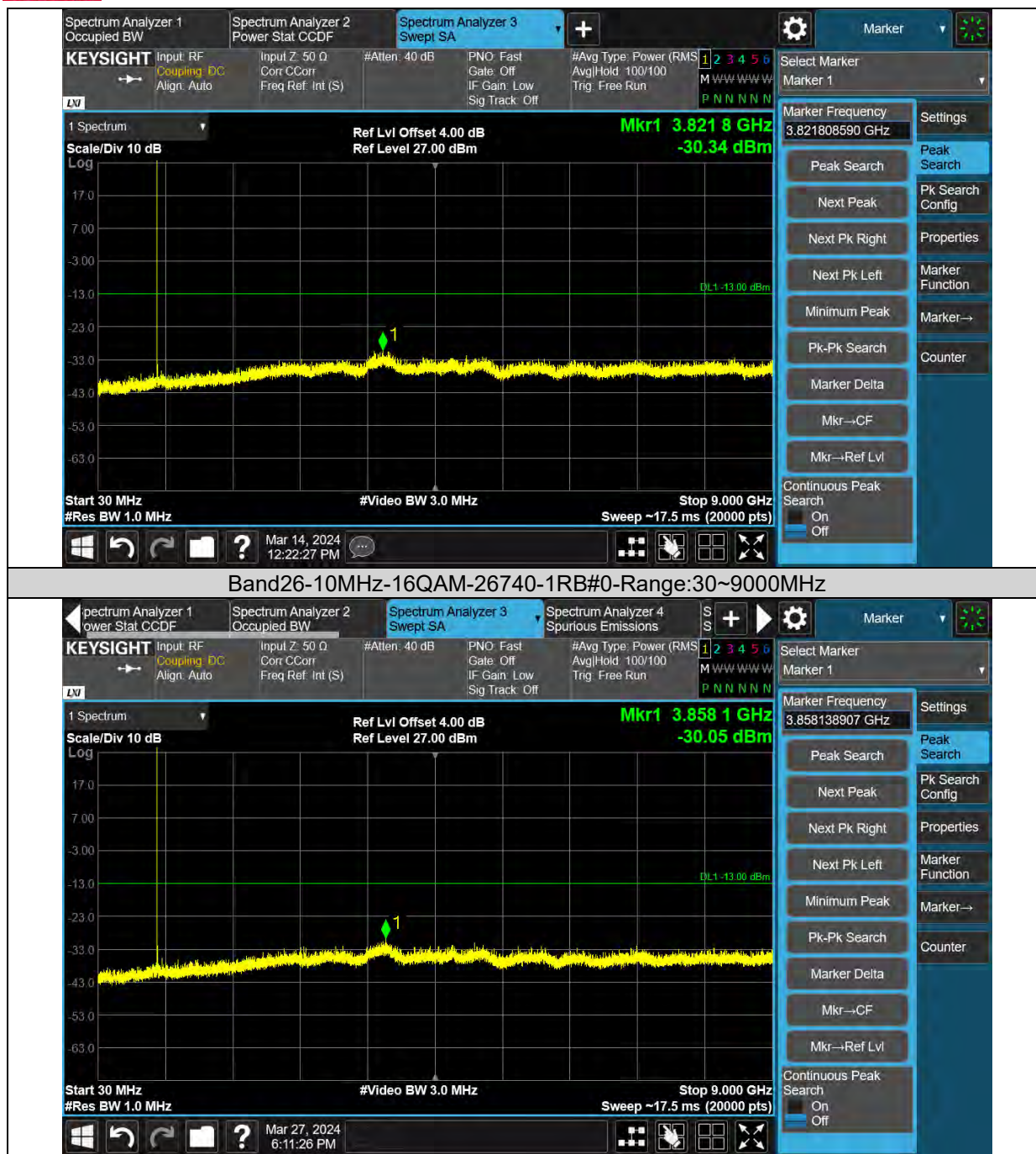
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## FREQUENCY STABILITY

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0        | VL            | NT               | -1.5           | -0.001832       | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0        | VN            | NT               | 15.7           | 0.019170        | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0        | VH            | NT               | 9.8            | 0.011966        | ±2.5        | PASS    |

Huarui 7layers High Technology  
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zhuyi Road, High-tech  
District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



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**Test Report No.: W7L-240204W001RF05**

|        |       |       |       |       |    |    |       |           |      |      |
|--------|-------|-------|-------|-------|----|----|-------|-----------|------|------|
| Band26 | 10MHz | 16QAM | 26740 | 6RB#0 | VL | NT | -19.2 | -0.023443 | ±2.5 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 6RB#0 | VN | NT | -2.5  | -0.003053 | ±2.5 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 6RB#0 | VH | NT | -9.6  | -0.011722 | ±2.5 | PASS |

| Voltage |           |            |         |                  |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | -30              | -7.3           | -0.008913       | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | -20              | 7.5            | 0.009158        | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | -10              | -1.6           | -0.001954       | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | 0                | 13             | 0.015873        | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | 10               | 24.9           | 0.030403        | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | 20               | -12.3          | -0.015018       | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | 30               | -18.4          | -0.022466       | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | 40               | -20.8          | -0.025397       | ±2.5        | PASS    |
| Band26  | 10MHz     | QPSK       | 26740   | 6RB#0            | NV            | 50               | 19.4           | 0.023687        | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | -30              | 21.7           | 0.026496        | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | -20              | -14.5          | -0.017705       | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | -10              | -6.4           | -0.007814       | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | 0                | -17            | -0.020757       | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | 10               | -11            | -0.013431       | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | 20               | 13.2           | 0.016117        | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | 30               | 10.6           | 0.012943        | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | 40               | -18.1          | -0.022100       | ±2.5        | PASS    |
| Band26  | 10MHz     | 16QAM      | 26740   | 6RB#0            | NV            | 50               | 22.1           | 0.026984        | ±2.5        | PASS    |



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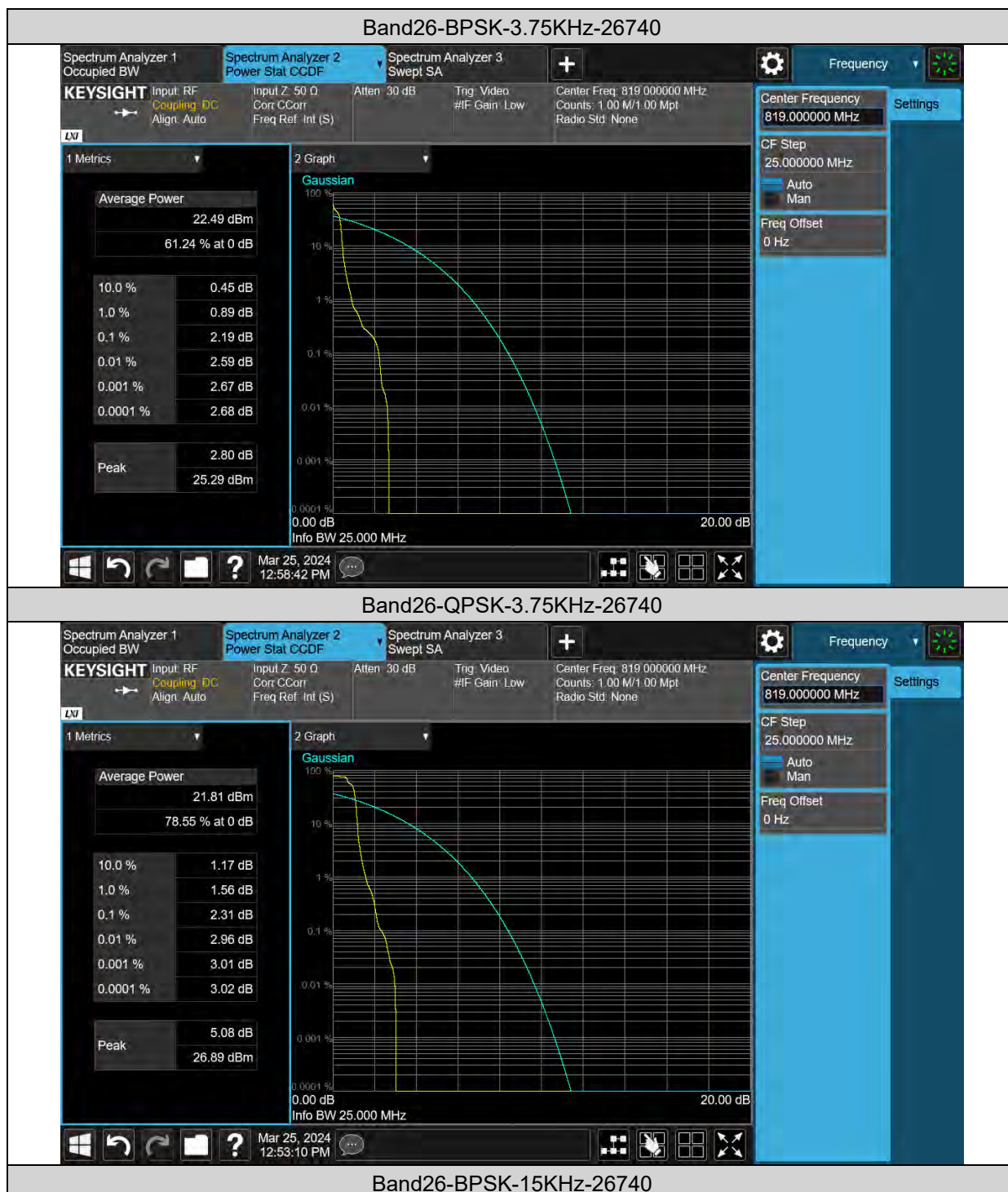
## NB-IOT: LTE BAND26

### PEAK-TO-AVERAGE RATIO(CCDF)

#### Test Result

| Band   | Modulation | Sub-carrier spacing(KHz) | Channe | Result(dB) | Limit(dB) | Verdict |
|--------|------------|--------------------------|--------|------------|-----------|---------|
| Band26 | BPSK       | 3.75                     | 26740  | 2.19       | 13        | PASS    |
|        | QPSK       | 3.75                     | 26740  | 2.31       | 13        | PASS    |
|        | BPSK       | 15                       | 26740  | 2.00       | 13        | PASS    |
|        | QPSK       | 15                       | 26740  | 2.01       | 13        | PASS    |

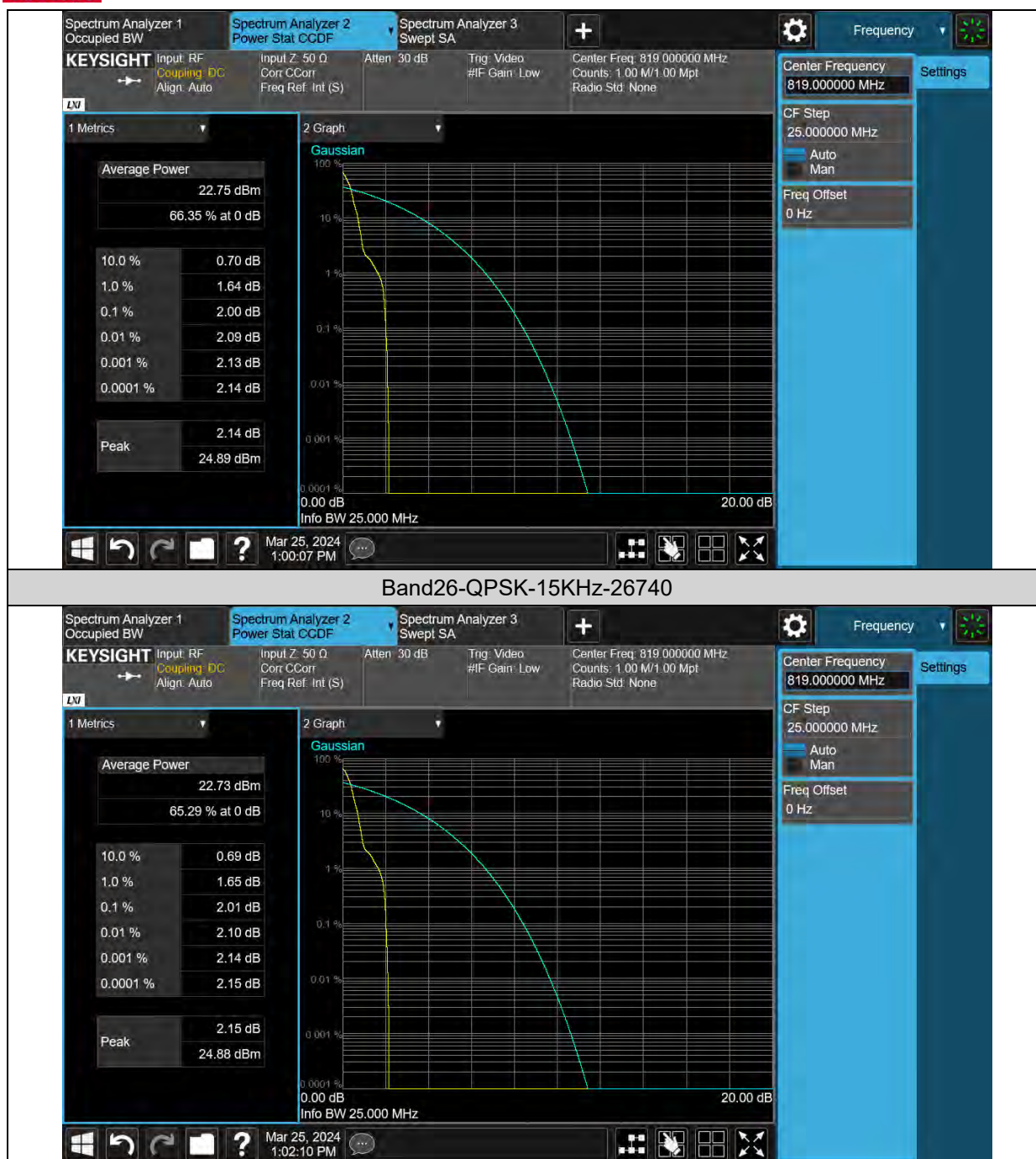
## Test Graphs





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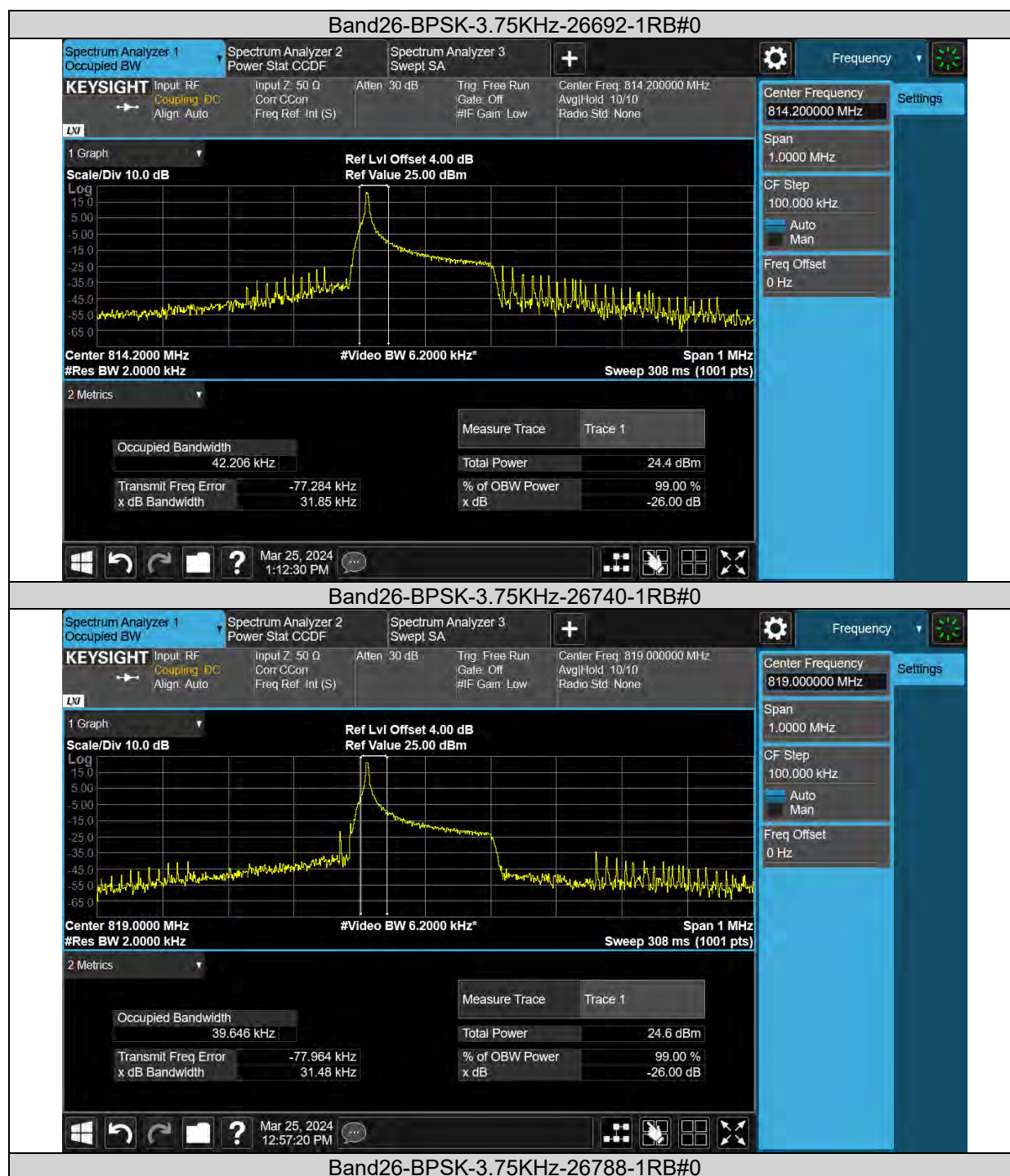


## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

### Test Result

| Band   | Modulation | Sub-carrier spacing(KHz) | Channel | Ntones | Occupied Bandwidth (kHz) | 26dB Bandwidth (kHz) | Verdict |
|--------|------------|--------------------------|---------|--------|--------------------------|----------------------|---------|
| Band26 | BPSK       | 3.75                     | 26692   | 1RB#0  | 42.206                   | 31.85                | PASS    |
| Band26 | BPSK       | 3.75                     | 26740   | 1RB#0  | 39.646                   | 31.48                | PASS    |
| Band26 | BPSK       | 3.75                     | 26788   | 1RB#0  | 50.387                   | 31.68                | PASS    |
| Band26 | QPSK       | 3.75                     | 26692   | 1RB#0  | 47.480                   | 34.81                | PASS    |
| Band26 | QPSK       | 3.75                     | 26740   | 1RB#0  | 46.502                   | 34.10                | PASS    |
| Band26 | QPSK       | 3.75                     | 26788   | 1RB#0  | 44.609                   | 30.80                | PASS    |
| Band26 | BPSK       | 15                       | 26692   | 1RB#0  | 104.79                   | 73.14                | PASS    |
| Band26 | BPSK       | 15                       | 26740   | 1RB#0  | 111.97                   | 105.1                | PASS    |
| Band26 | BPSK       | 15                       | 26788   | 1RB#0  | 126.20                   | 115.8                | PASS    |
| Band26 | QPSK       | 15                       | 26692   | 1RB#0  | 116.58                   | 114.4                | PASS    |
| Band26 | QPSK       | 15                       | 26740   | 1RB#0  | 121.15                   | 116.6                | PASS    |
| Band26 | QPSK       | 15                       | 26788   | 1RB#0  | 113.47                   | 98.20                | PASS    |
| Band26 | QPSK       | 15                       | 26692   | 12RB#0 | 188.60                   | 211.0                | PASS    |
| Band26 | QPSK       | 15                       | 26740   | 12RB#0 | 190.13                   | 200.2                | PASS    |
| Band26 | QPSK       | 15                       | 26788   | 12RB#0 | 187.96                   | 209.8                | PASS    |

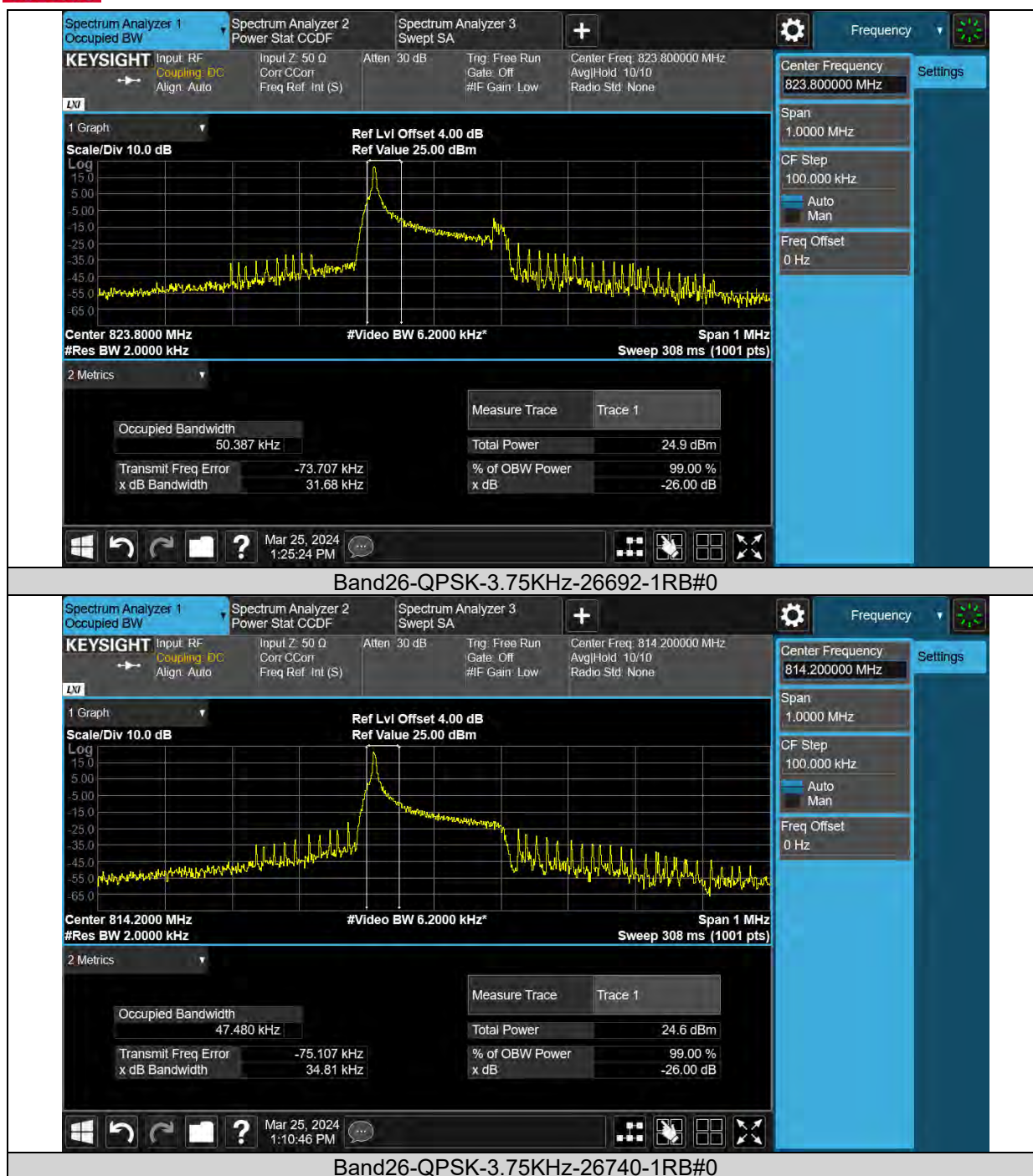
## Test Graphs





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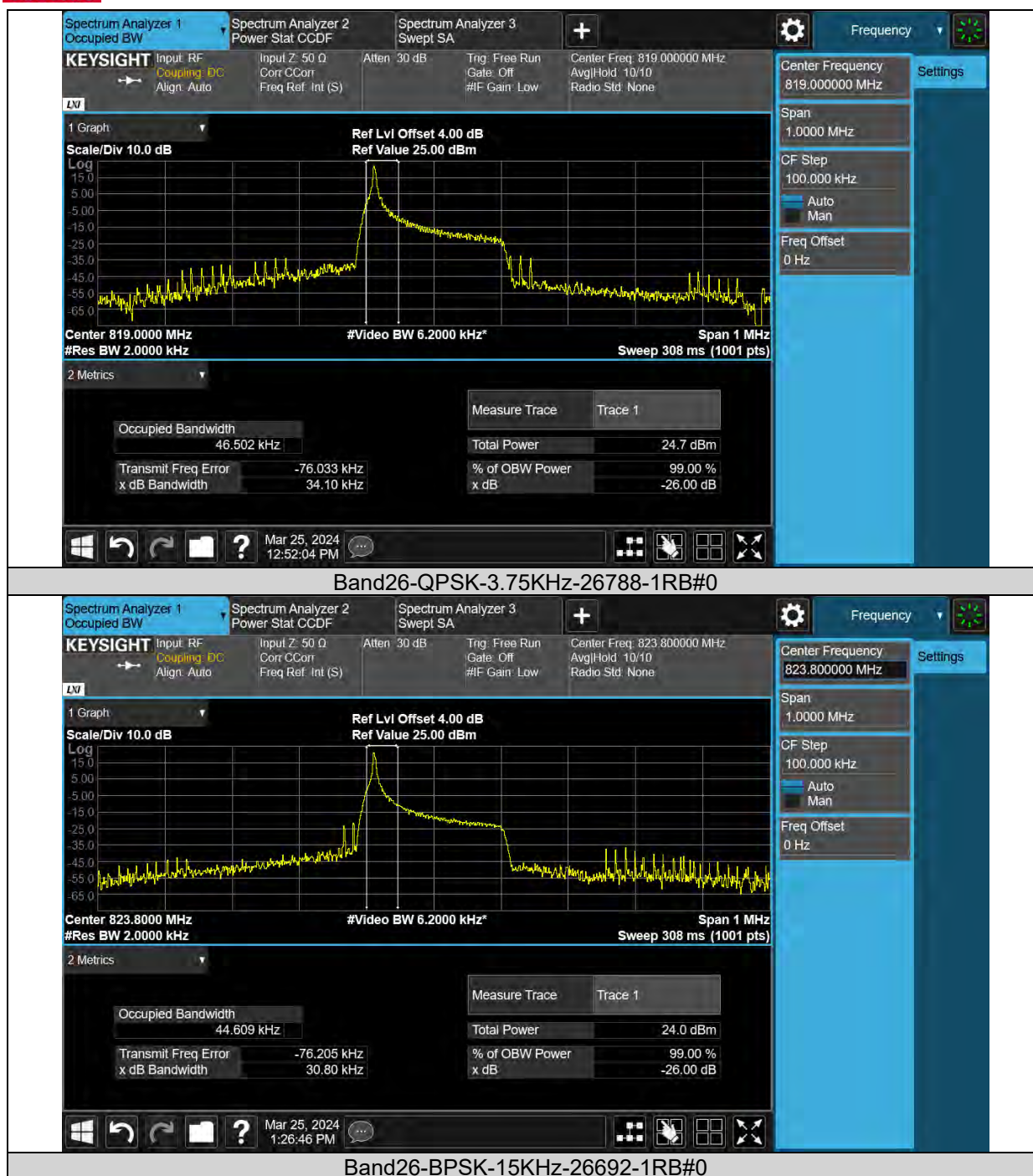
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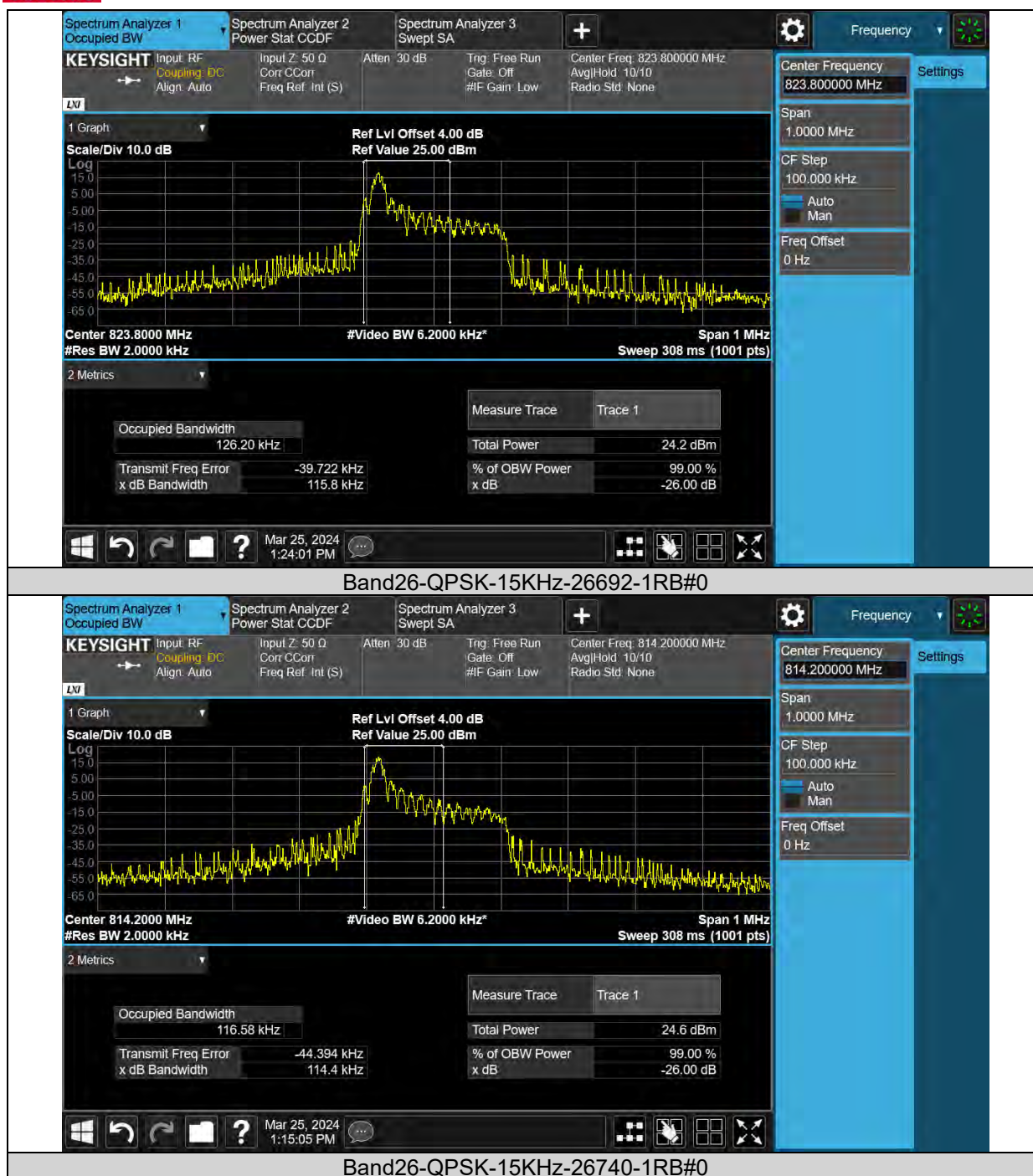
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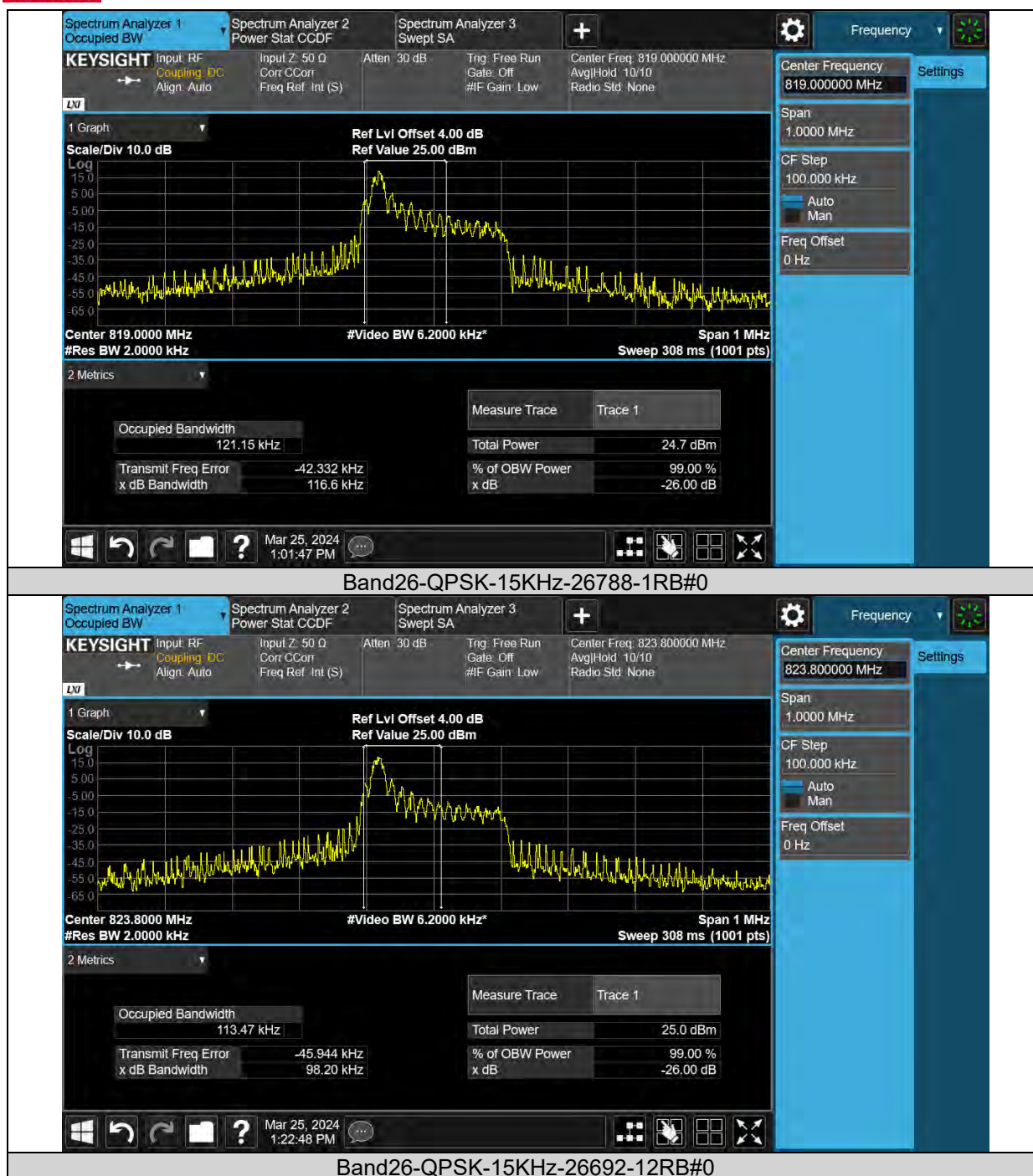
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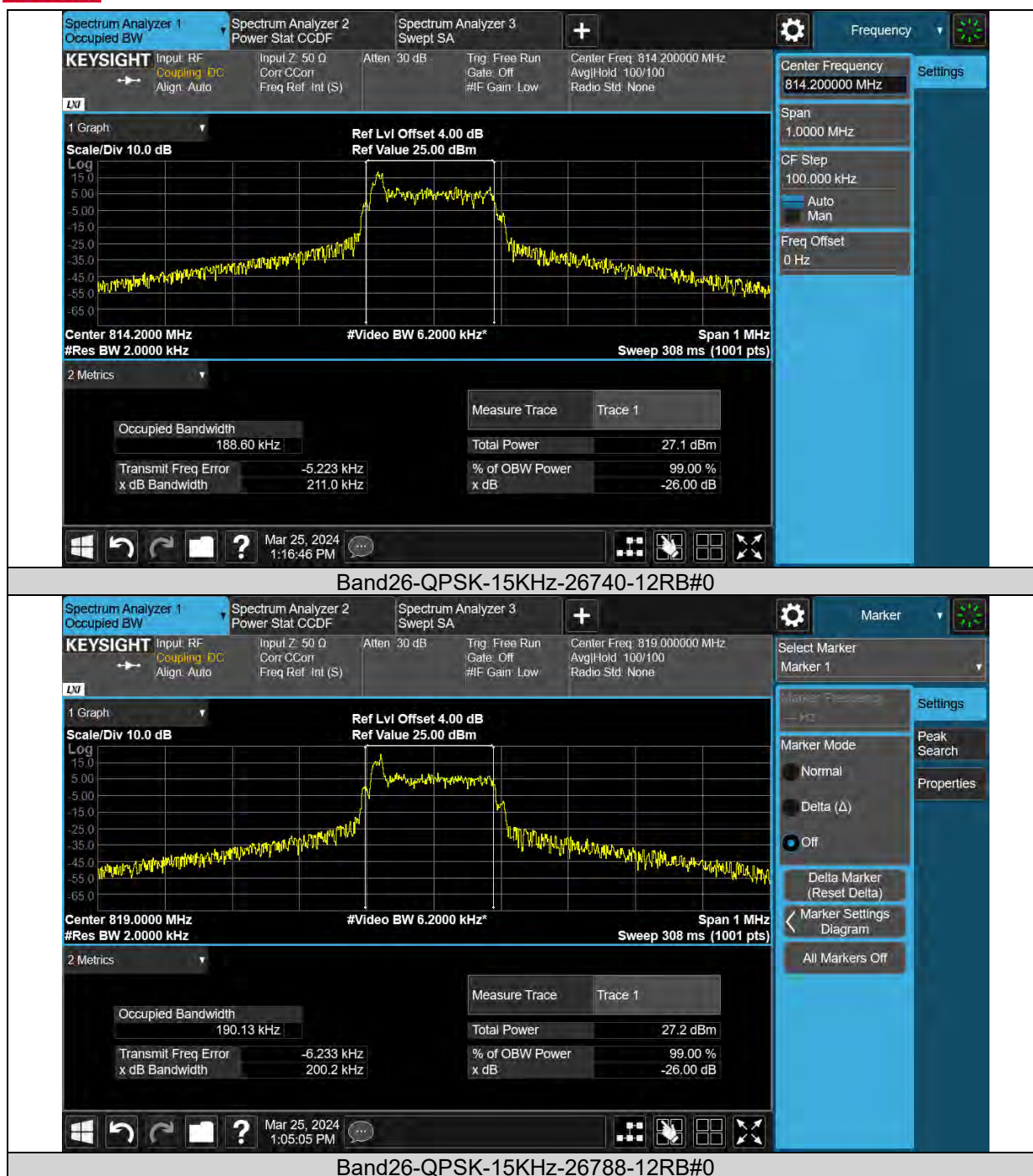
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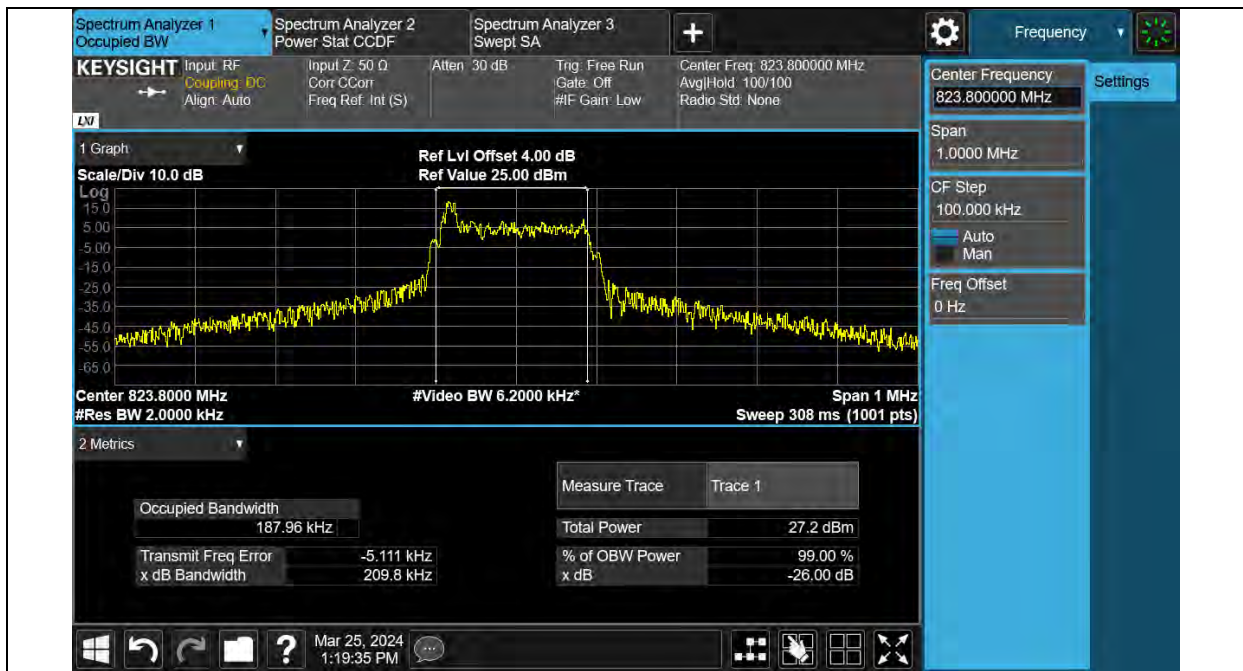
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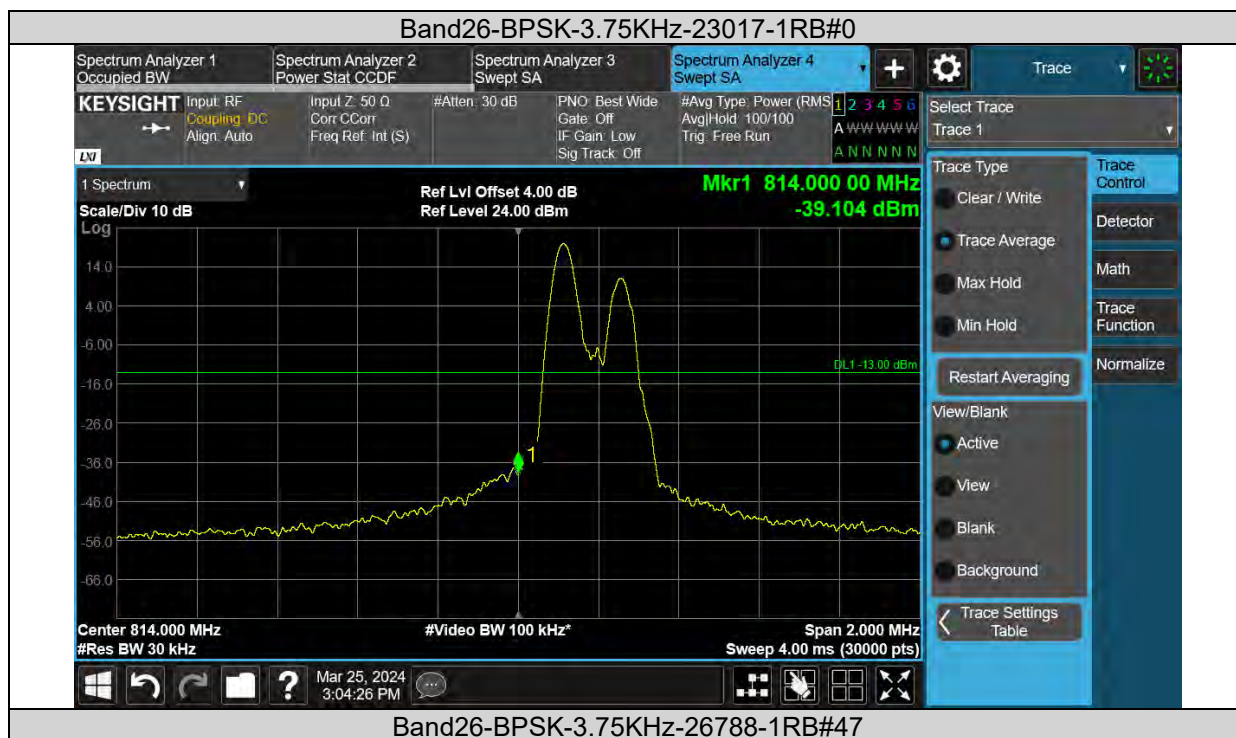


## BAND EDGE

### Test Result

| Band   | Modulation | Sub-carrier spacing(KHz) | Channel | Ntones | Result(dBm) | Verdict |
|--------|------------|--------------------------|---------|--------|-------------|---------|
| Band26 | BPSK       | 3.75                     | 26692   | 1RB#0  | See Graph   | PASS    |
| Band26 | BPSK       | 3.75                     | 26788   | 1RB#47 | See Graph   | PASS    |
| Band26 | QPSK       | 3.75                     | 26692   | 1RB#0  | See Graph   | PASS    |
| Band26 | QPSK       | 3.75                     | 26788   | 1RB#47 | See Graph   | PASS    |
| Band26 | BPSK       | 15                       | 26692   | 1RB#0  | See Graph   | PASS    |
| Band26 | BPSK       | 15                       | 26788   | 1RB#11 | See Graph   | PASS    |
| Band26 | QPSK       | 15                       | 26692   | 1RB#0  | See Graph   | PASS    |
| Band26 | QPSK       | 15                       | 26788   | 1RB#11 | See Graph   | PASS    |
| Band26 | QPSK       | 15                       | 26692   | 12RB#0 | See Graph   | PASS    |
| Band26 | QPSK       | 15                       | 26788   | 12RB#0 | See Graph   | PASS    |

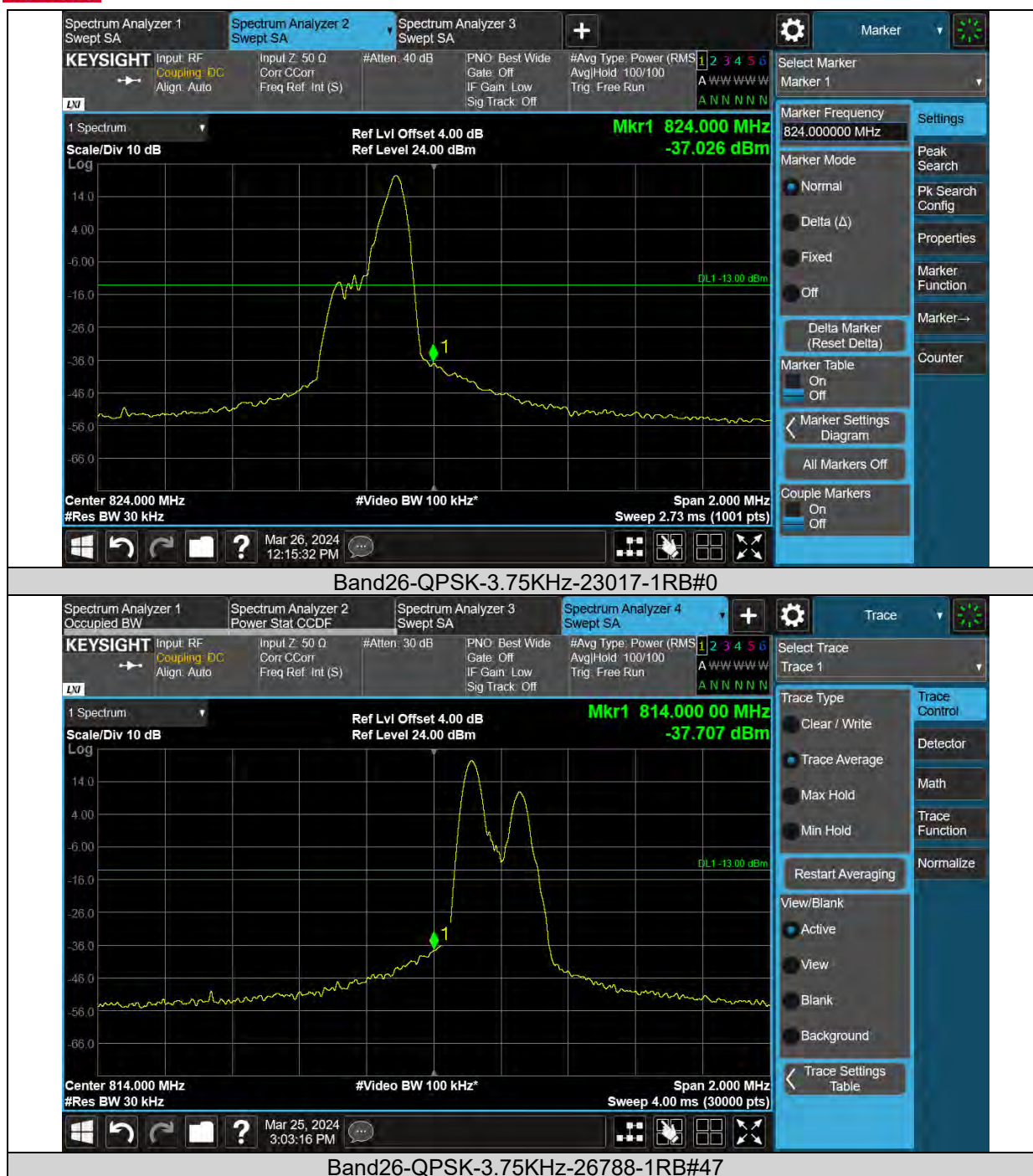
### Test Graphs





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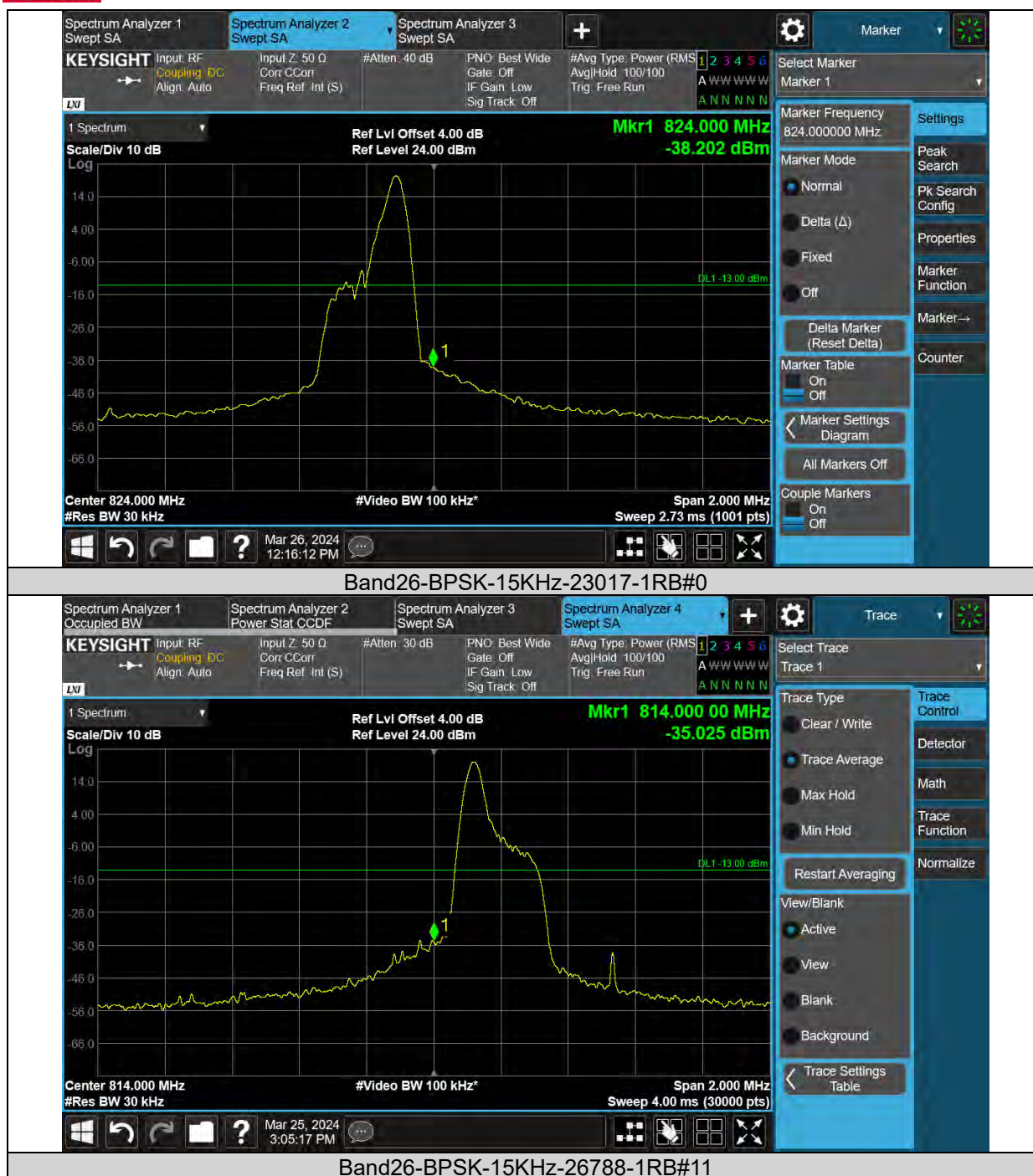
## Test Report No.: W7L-240204W001RF05





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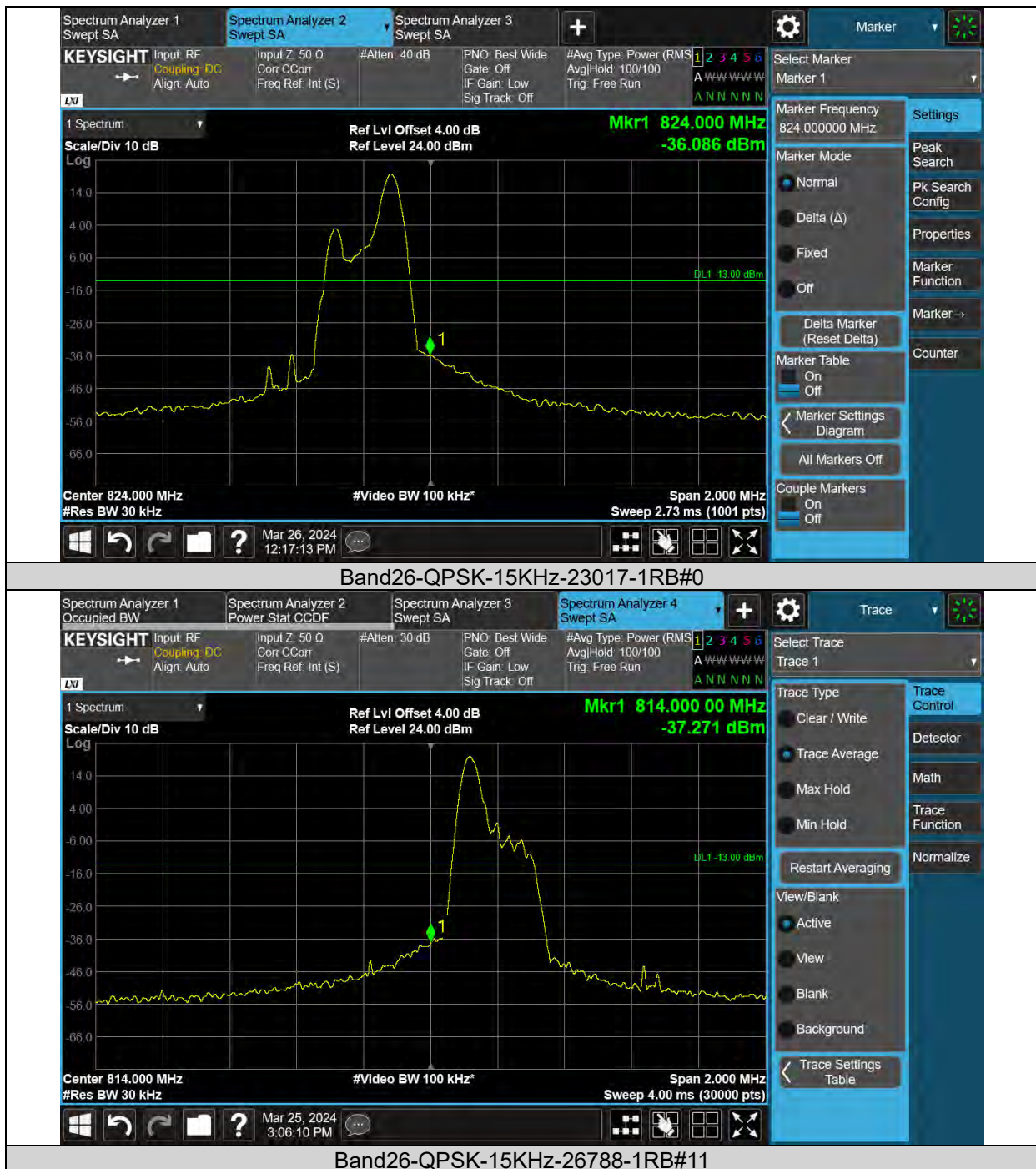
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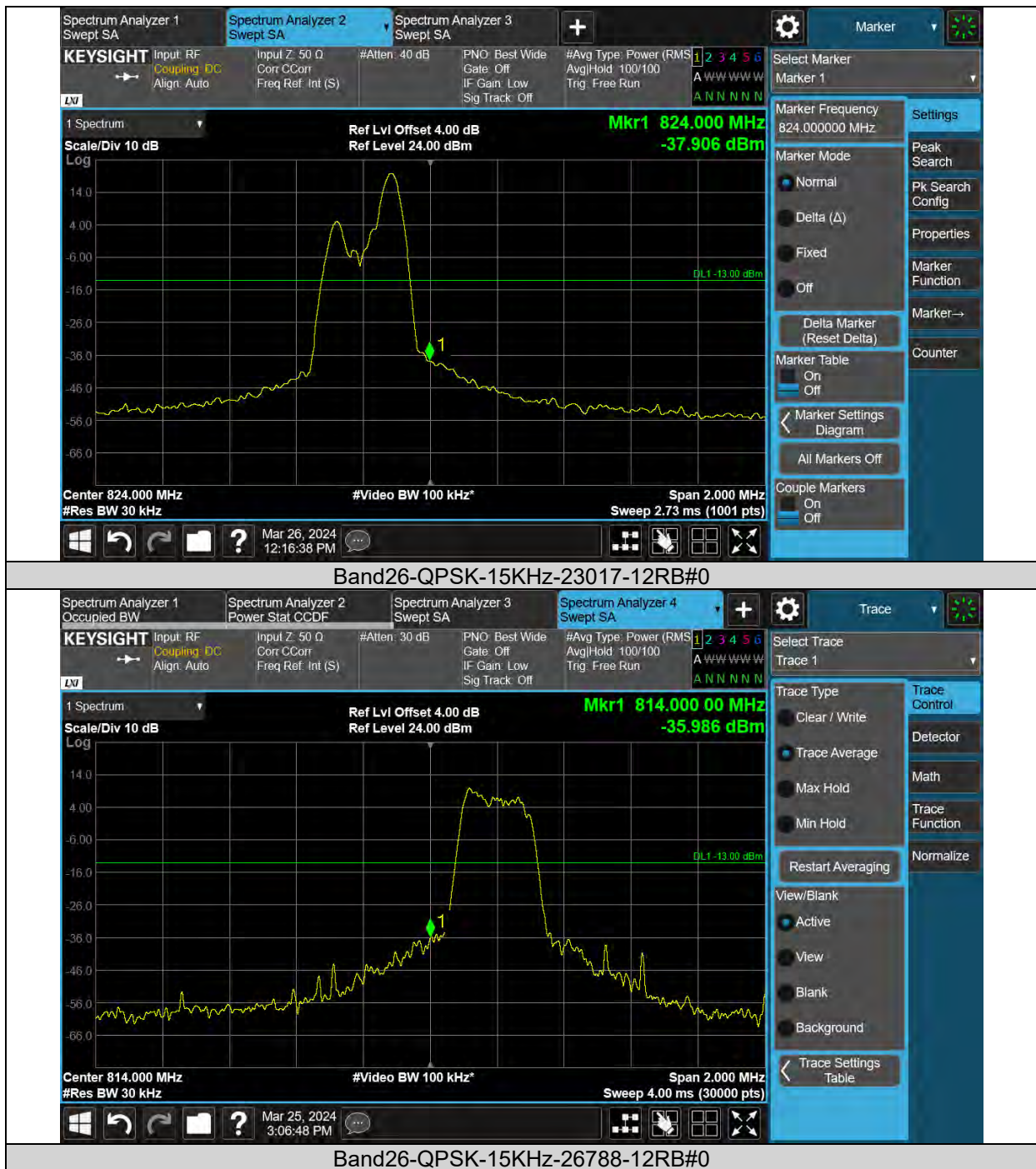
## Test Report No.: W7L-240204W001RF05





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## Test Report No.: W7L-240204W001RF05





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Test Report No.: W7L-240204W001RF05



## CONDUCTED SPURIOUS EMISSION

### Test Result

| Band   | Modulation | Sub-carrier spacing(KHz) | Channel | Ntones | Frequency Range | Result (dBm) | Verdict |
|--------|------------|--------------------------|---------|--------|-----------------|--------------|---------|
| Band26 | BPSK       | 3.75                     | 26692   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | BPSK       | 3.75                     | 26740   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | BPSK       | 3.75                     | 26788   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 3.75                     | 26692   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 3.75                     | 26740   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 3.75                     | 26788   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | BPSK       | 15                       | 26692   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | BPSK       | 15                       | 26740   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | BPSK       | 15                       | 26788   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 15                       | 26692   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 15                       | 26740   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 15                       | 26788   | 1RB#0  | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 15                       | 26692   | 12RB#0 | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 15                       | 26740   | 12RB#0 | Range:30M~9000M | See Graph    | PASS    |
| Band26 | QPSK       | 15                       | 26788   | 12RB#0 | Range:30M~9000M | See Graph    | PASS    |

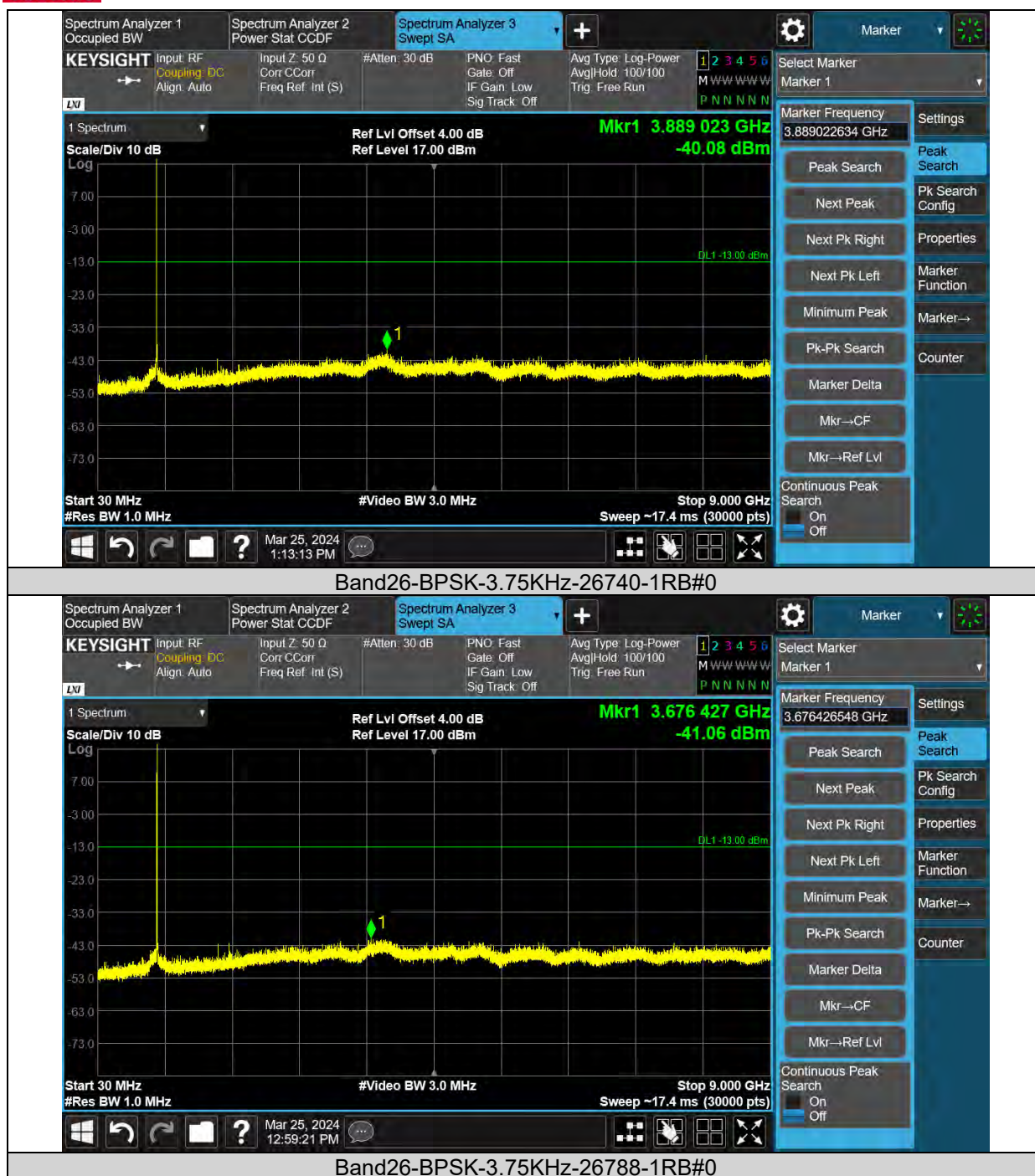
### Test Graphs

Band26-BPSK-3.75KHz-26692-1RB#0



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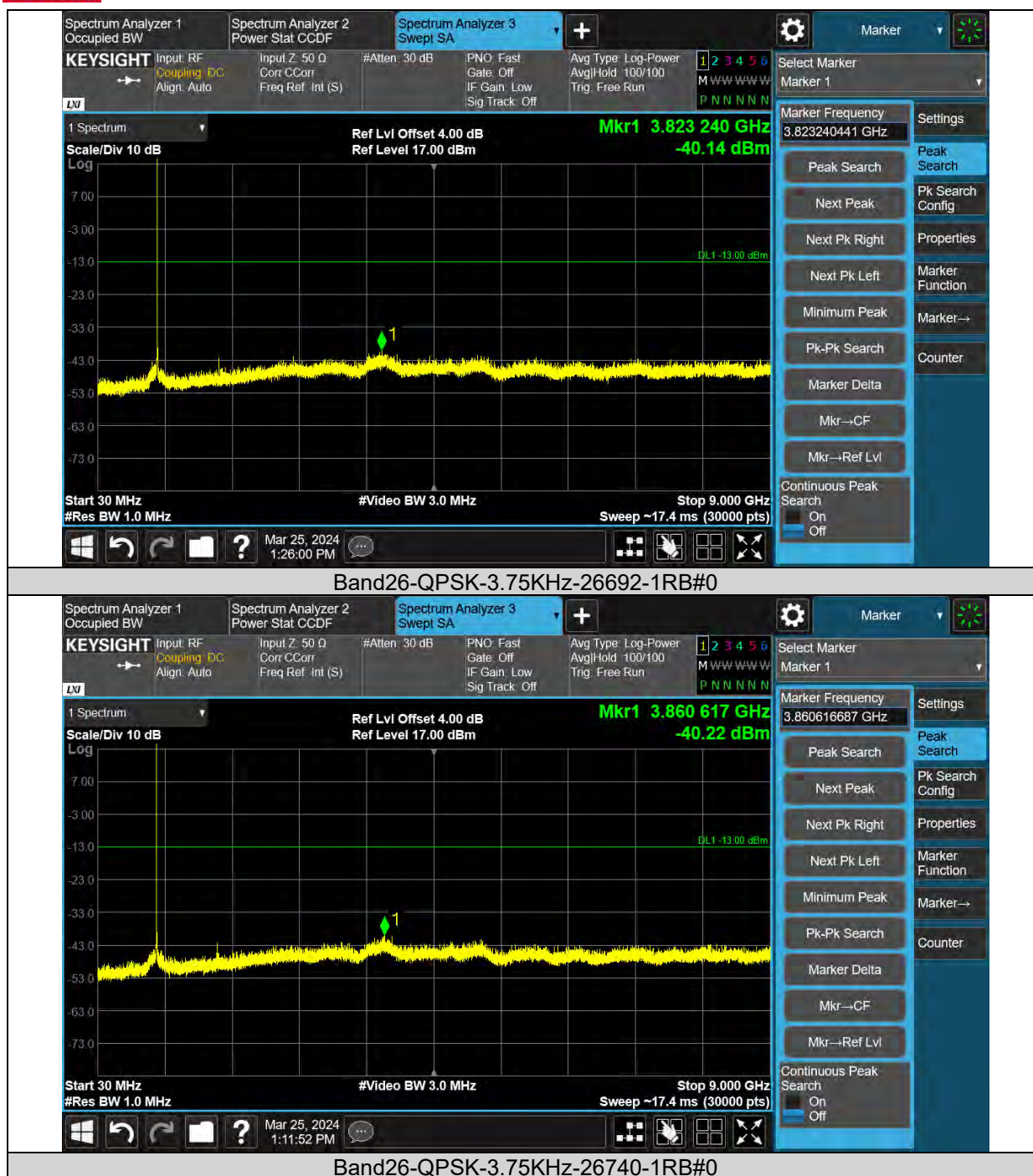
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