

# WCDMA Band5 Test Data

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## AppendixA: Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Channel | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|------------|------------|---------|
| Band5 | 4132    | 20.95      | 38.45      | PASS    |
| Band5 | 4183    | 22.99      | 38.45      | PASS    |
| Band5 | 4233    | 22.85      | 38.45      | PASS    |

| Band  | Channel | SubTest | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|---------|------------|------------|---------|
| Band5 | 4132    | 1       | 22.34      | 38.5       | PASS    |
| Band5 | 4132    | 2       | 21.85      | 38.5       | PASS    |
| Band5 | 4132    | 3       | 21.85      | 38.5       | PASS    |
| Band5 | 4132    | 4       | 21.85      | 38.5       | PASS    |
| Band5 | 4183    | 1       | 22.26      | 38.5       | PASS    |
| Band5 | 4183    | 2       | 21.79      | 38.5       | PASS    |
| Band5 | 4183    | 3       | 21.74      | 38.5       | PASS    |
| Band5 | 4183    | 4       | 21.75      | 38.5       | PASS    |
| Band5 | 4233    | 1       | 22.11      | 38.5       | PASS    |
| Band5 | 4233    | 2       | 21.62      | 38.5       | PASS    |
| Band5 | 4233    | 3       | 21.59      | 38.5       | PASS    |
| Band5 | 4233    | 4       | 21.63      | 38.5       | PASS    |

| Band  | Channel | SubTest | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|---------|------------|------------|---------|
| Band5 | 4132    | 1       | 22.15      | 38.5       | PASS    |
| Band5 | 4132    | 2       | 20.65      | 38.5       | PASS    |
| Band5 | 4132    | 3       | 21.25      | 38.5       | PASS    |
| Band5 | 4132    | 4       | 20.09      | 38.5       | PASS    |
| Band5 | 4132    | 5       | 22.19      | 38.5       | PASS    |
| Band5 | 4183    | 1       | 22.05      | 38.5       | PASS    |
| Band5 | 4183    | 2       | 20.61      | 38.5       | PASS    |
| Band5 | 4183    | 3       | 21.14      | 38.5       | PASS    |
| Band5 | 4183    | 4       | 20.03      | 38.5       | PASS    |
| Band5 | 4183    | 5       | 22.17      | 38.5       | PASS    |
| Band5 | 4233    | 1       | 21.89      | 38.5       | PASS    |

|       |      |   |       |      |      |
|-------|------|---|-------|------|------|
| Band5 | 4233 | 2 | 20.56 | 38.5 | PASS |
| Band5 | 4233 | 3 | 20.97 | 38.5 | PASS |
| Band5 | 4233 | 4 | 19.90 | 38.5 | PASS |
| Band5 | 4233 | 5 | 21.90 | 38.5 | PASS |



## AppendixB:Peak-to-Average Ratio

### Test Result

| Band  | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-------|---------|---------------------------|-----------|---------|
| Band5 | 4132    | 3.18                      | 13        | PASS    |
| Band5 | 4183    | 3.2                       | 13        | PASS    |
| Band5 | 4233    | 3.16                      | 13        | PASS    |

| Band  | Channel | SubTest | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-------|---------|---------|---------------------------|-----------|---------|
| Band5 | 4132    | 1       | 3.3                       | 13        | PASS    |
| Band5 | 4132    | 2       | 3.54                      | 13        | PASS    |
| Band5 | 4132    | 3       | 3.73                      | 13        | PASS    |
| Band5 | 4132    | 4       | 3.78                      | 13        | PASS    |
| Band5 | 4183    | 1       | 3.32                      | 13        | PASS    |
| Band5 | 4183    | 2       | 3.66                      | 13        | PASS    |
| Band5 | 4183    | 3       | 3.85                      | 13        | PASS    |
| Band5 | 4183    | 4       | 3.9                       | 13        | PASS    |
| Band5 | 4233    | 1       | 3.31                      | 13        | PASS    |
| Band5 | 4233    | 2       | 3.66                      | 13        | PASS    |
| Band5 | 4233    | 3       | 3.85                      | 13        | PASS    |
| Band5 | 4233    | 4       | 3.9                       | 13        | PASS    |

| Band  | Channel | SubTest | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-------|---------|---------|---------------------------|-----------|---------|
| Band5 | 4132    | 1       | 4.51                      | 13        | PASS    |
| Band5 | 4132    | 2       | 5.37                      | 13        | PASS    |
| Band5 | 4132    | 3       | 5.33                      | 13        | PASS    |
| Band5 | 4132    | 4       | 4.11                      | 13        | PASS    |
| Band5 | 4132    | 5       | 4.37                      | 13        | PASS    |
| Band5 | 4183    | 1       | 4.27                      | 13        | PASS    |
| Band5 | 4183    | 2       | 5.44                      | 13        | PASS    |
| Band5 | 4183    | 3       | 4.99                      | 13        | PASS    |
| Band5 | 4183    | 4       | 5.44                      | 13        | PASS    |
| Band5 | 4183    | 5       | 4.54                      | 13        | PASS    |
| Band5 | 4233    | 1       | 4.27                      | 13        | PASS    |

|       |      |   |      |    |      |
|-------|------|---|------|----|------|
| Band5 | 4233 | 2 | 5.44 | 13 | PASS |
| Band5 | 4233 | 3 | 4.97 | 13 | PASS |
| Band5 | 4233 | 4 | 5.45 | 13 | PASS |
| Band5 | 4233 | 5 | 4.54 | 13 | PASS |

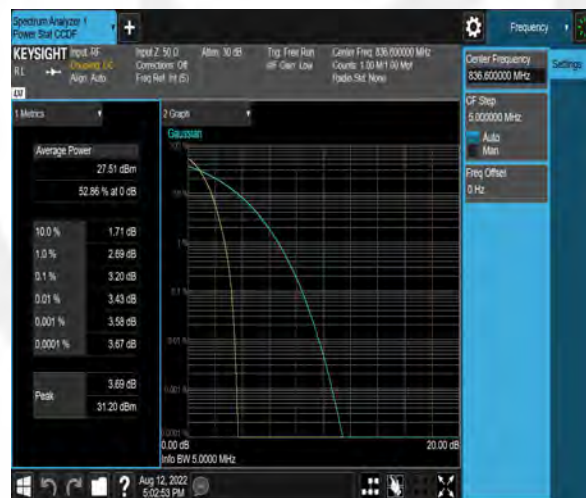


## Test Graphs

Band5-4132



Band5-4183



Band5-4233





### Band5-4132-1



### Band5-4132-2



### Band5-4132-3



### Band5-4132-4

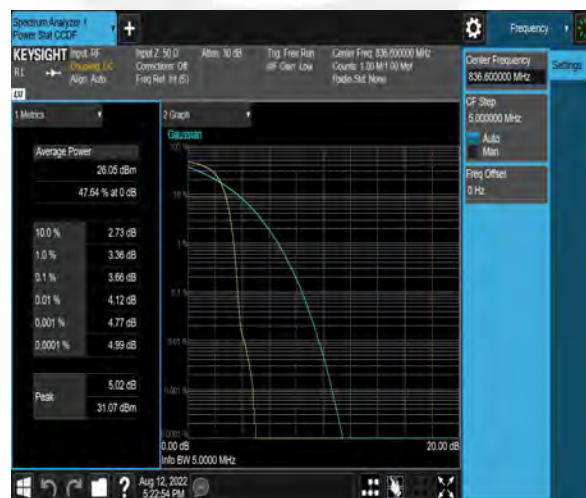




Band5-4183-1



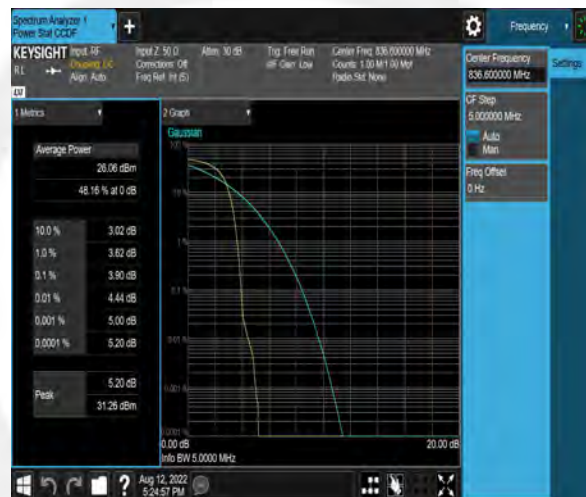
Band5-4183-2



Band5-4183-3



Band5-4183-4



Band5-4233-1



Band5-4233-2



Band5-4233-3



Band5-4233-4





### Band5-4132-1



### Band5-4132-2



### Band5-4132-3



### Band5-4132-4



Band5-4132-5



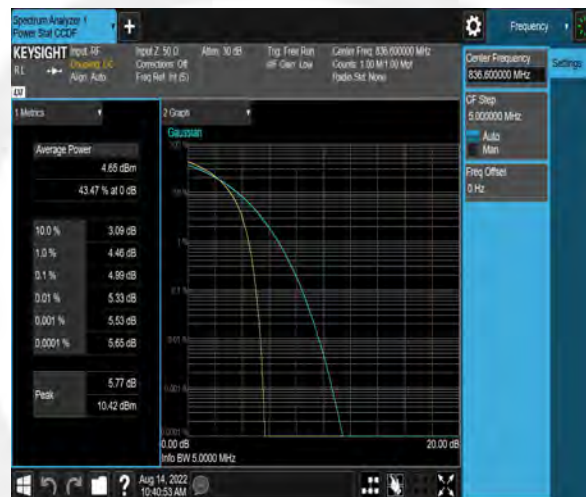
Band5-4183-1



Band5-4183-2



Band5-4183-3



Band5-4183-4

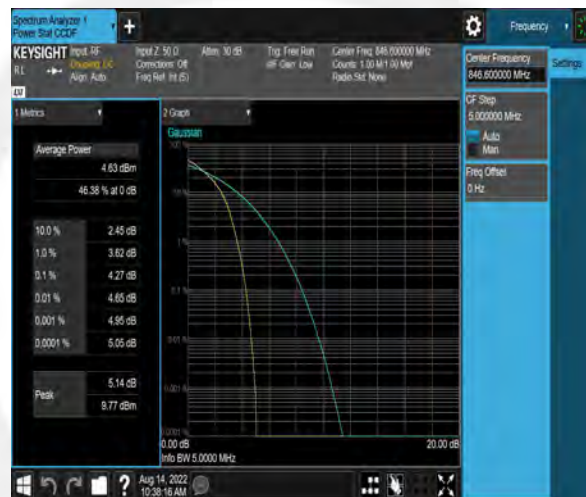


Band5-4183-5





Band5-4233-1



Band5-4233-2



Band5-4233-3



Band5-4233-4



Band5-4233-5



## AppendixC:26dB Bandwidth andOccupied Bandwidth

### Test Result

| Band  | Channel | Occupied Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Limit(MHz) | Verdict |
|-------|---------|-----------------------------|-------------------------|------------|---------|
| Band5 | 4132    | 4.1232                      | 4.709                   | ---        | PASS    |
| Band5 | 4183    | 4.1346                      | 4.711                   | ---        | PASS    |
| Band5 | 4233    | 4.1395                      | 4.715                   | ---        | PASS    |

| Band  | Channel | SubTest | Occupied Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Limit(MHz) | Verdict |
|-------|---------|---------|-----------------------------|-------------------------|------------|---------|
| Band5 | 4132    | 1       | 4.1226                      | 4.704                   | ---        | PASS    |
| Band5 | 4132    | 2       | 4.1232                      | 4.707                   | ---        | PASS    |
| Band5 | 4132    | 3       | 4.1234                      | 4.699                   | ---        | PASS    |
| Band5 | 4132    | 4       | 4.1251                      | 4.709                   | ---        | PASS    |
| Band5 | 4183    | 1       | 4.1295                      | 4.702                   | ---        | PASS    |
| Band5 | 4183    | 2       | 4.1326                      | 4.710                   | ---        | PASS    |
| Band5 | 4183    | 3       | 4.1393                      | 4.725                   | ---        | PASS    |
| Band5 | 4183    | 4       | 4.1310                      | 4.713                   | ---        | PASS    |
| Band5 | 4233    | 1       | 4.1338                      | 4.701                   | ---        | PASS    |
| Band5 | 4233    | 2       | 4.1341                      | 4.713                   | ---        | PASS    |
| Band5 | 4233    | 3       | 4.1360                      | 4.709                   | ---        | PASS    |
| Band5 | 4233    | 4       | 4.1405                      | 4.713                   | ---        | PASS    |

| Band  | Channel | SubTest | Occupied Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Limit(MHz) | Verdict |
|-------|---------|---------|-----------------------------|-------------------------|------------|---------|
| Band5 | 4132    | 1       | 4.1260                      | 4.714                   | ---        | PASS    |
| Band5 | 4132    | 2       | 4.1325                      | 4.715                   | ---        | PASS    |
| Band5 | 4132    | 3       | 4.1301                      | 4.729                   | ---        | PASS    |
| Band5 | 4132    | 4       | 4.1301                      | 4.705                   | ---        | PASS    |
| Band5 | 4132    | 5       | 4.1232                      | 4.704                   | ---        | PASS    |
| Band5 | 4183    | 1       | 4.1351                      | 4.740                   | ---        | PASS    |
| Band5 | 4183    | 2       | 4.1366                      | 4.723                   | ---        | PASS    |
| Band5 | 4183    | 3       | 4.1378                      | 4.716                   | ---        | PASS    |

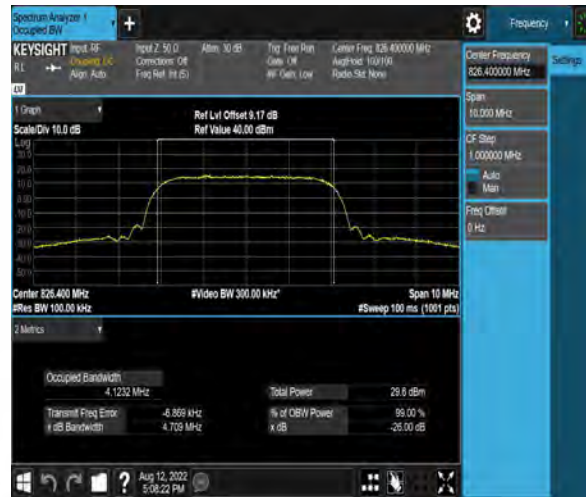
|       |      |   |        |       |     |      |
|-------|------|---|--------|-------|-----|------|
| Band5 | 4183 | 4 | 4.1325 | 4.716 | --- | PASS |
| Band5 | 4183 | 5 | 4.1378 | 4.712 | --- | PASS |
| Band5 | 4233 | 1 | 4.1456 | 4.718 | --- | PASS |
| Band5 | 4233 | 2 | 4.1353 | 4.716 | --- | PASS |
| Band5 | 4233 | 3 | 4.1421 | 4.723 | --- | PASS |
| Band5 | 4233 | 4 | 4.1381 | 4.723 | --- | PASS |
| Band5 | 4233 | 5 | 4.1374 | 4.725 | --- | PASS |



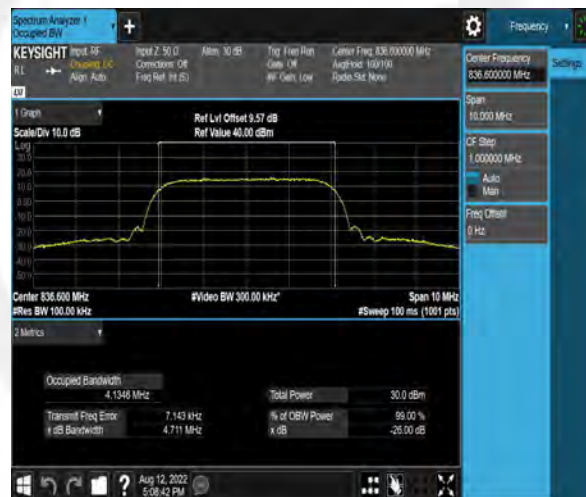


## Test Graphs

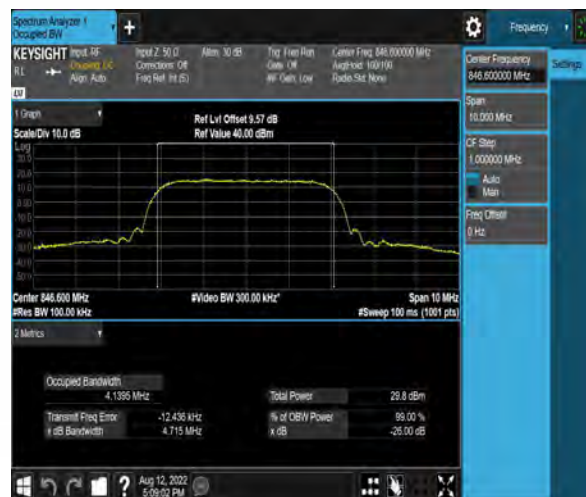
Band5-4132



Band5-4183

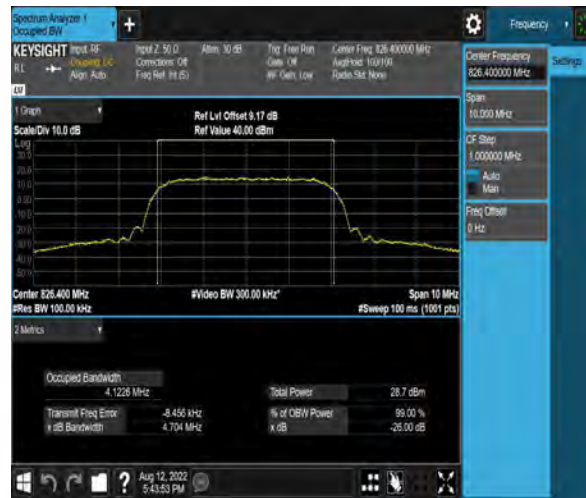


Band5-4233

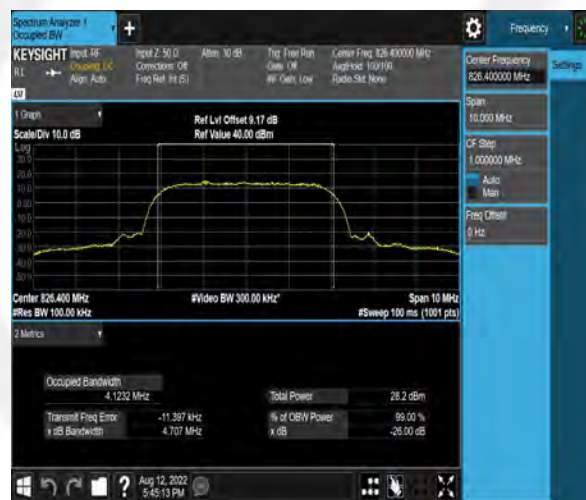




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### Band5-4132-2



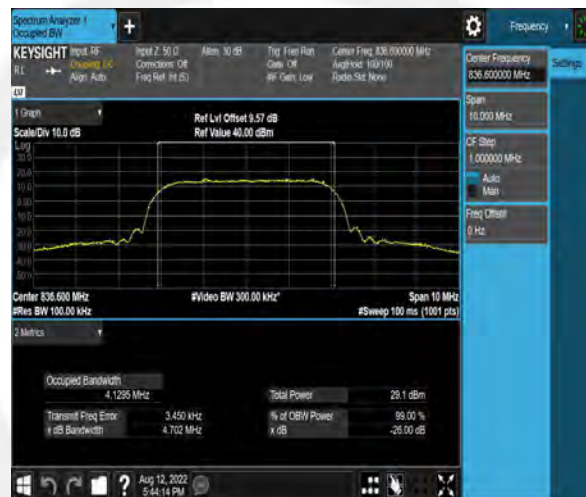
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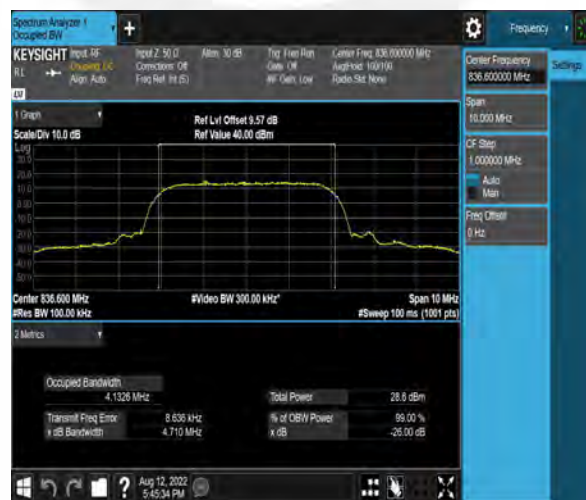
### Band5-4132-4



Band5-4183-1



Band5-4183-2



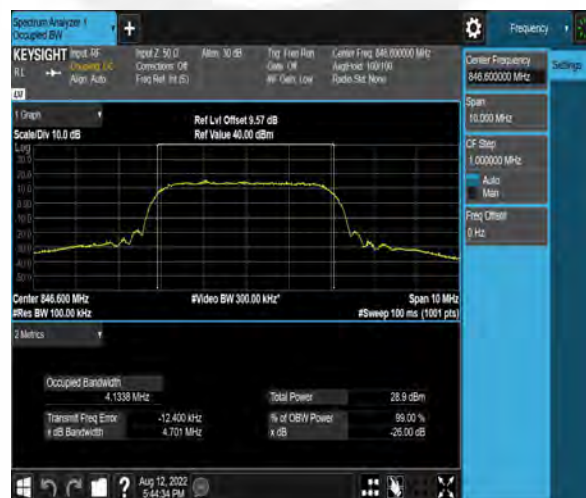
Band5-4183-3



Band5-4183-4

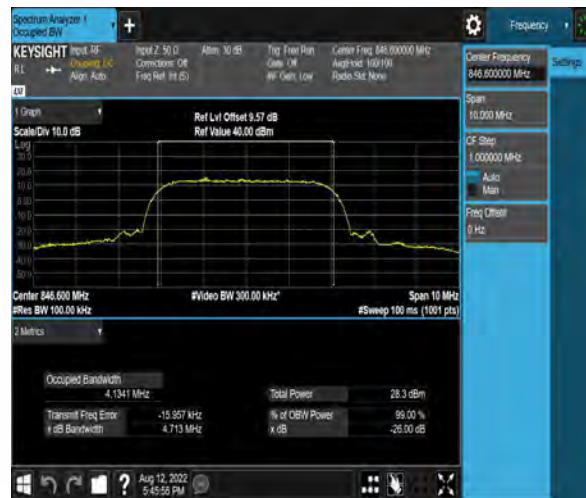


Band5-4233-1



Band5-4233-2





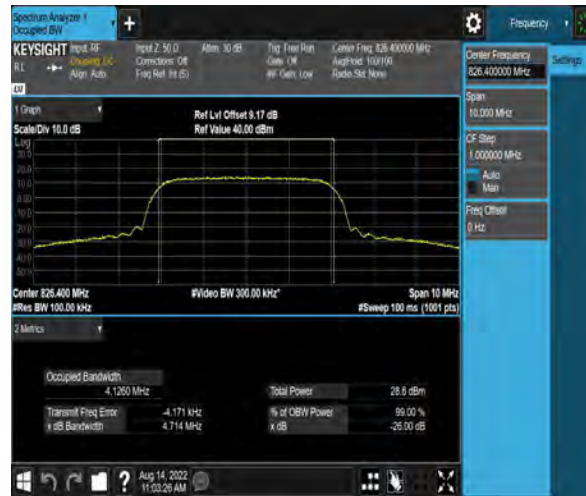
Band5-4233-3



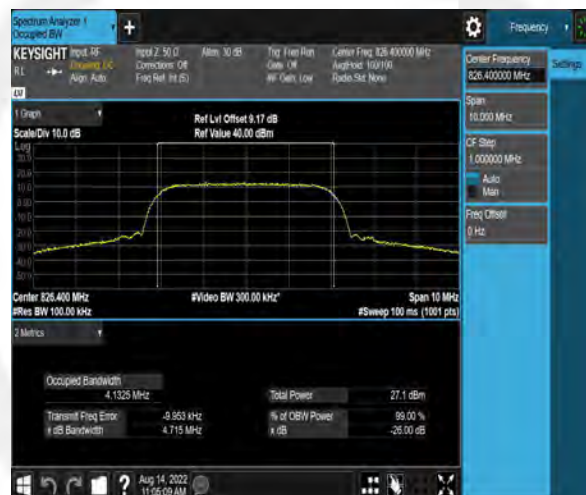
Band5-4233-4



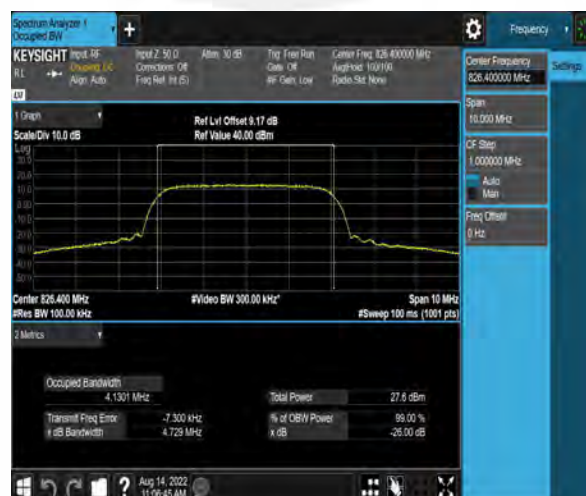
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### Band5-4132-2

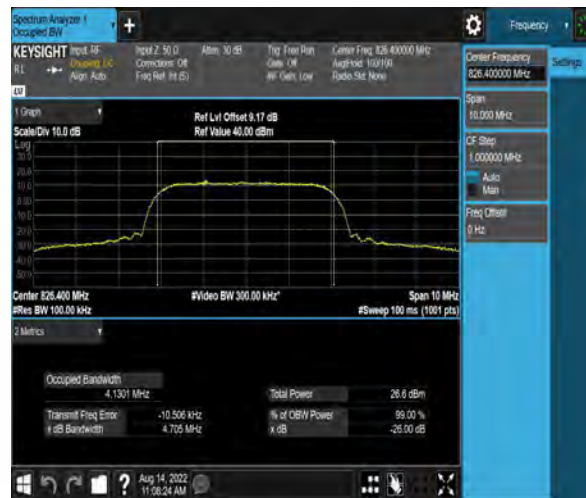


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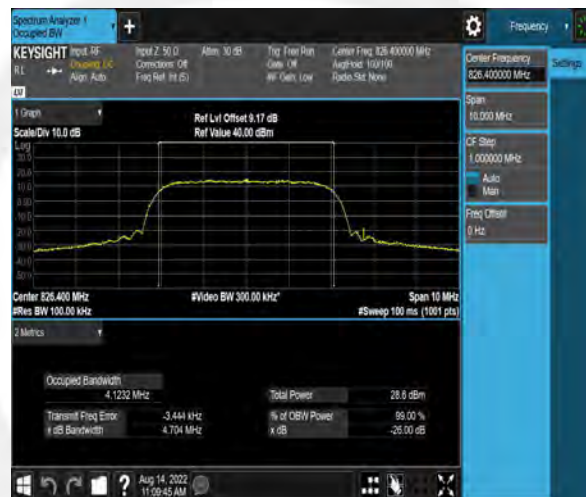


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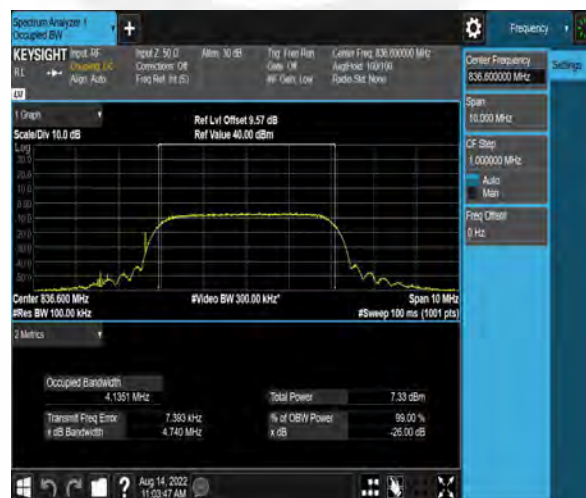




Band5-4132-5



Band5-4183-1



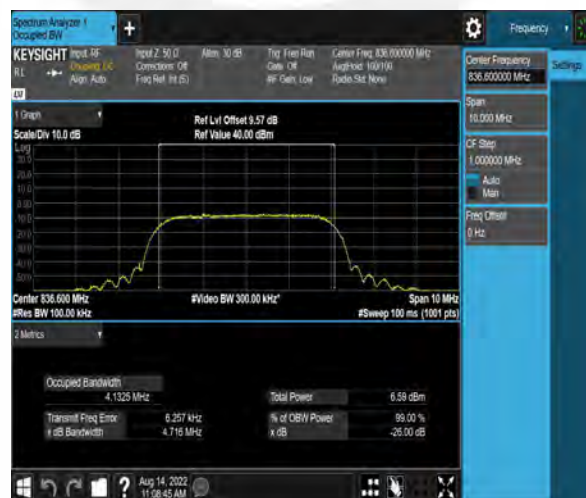
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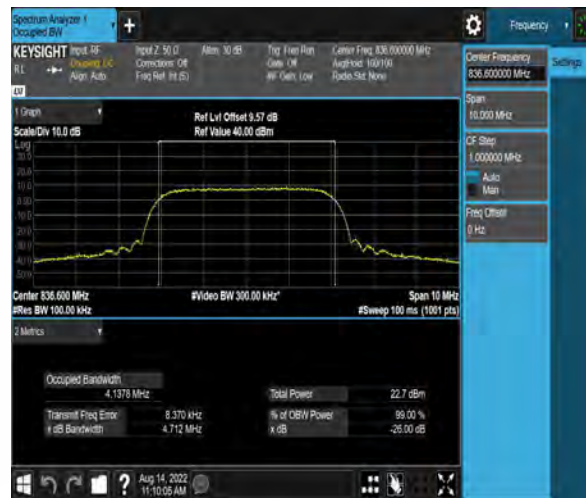
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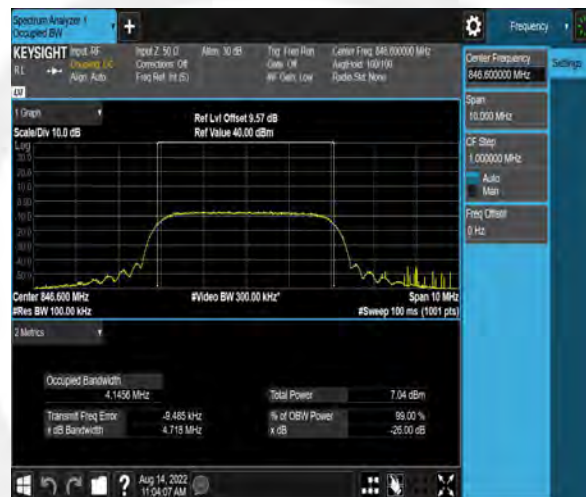
Band5-4183-4



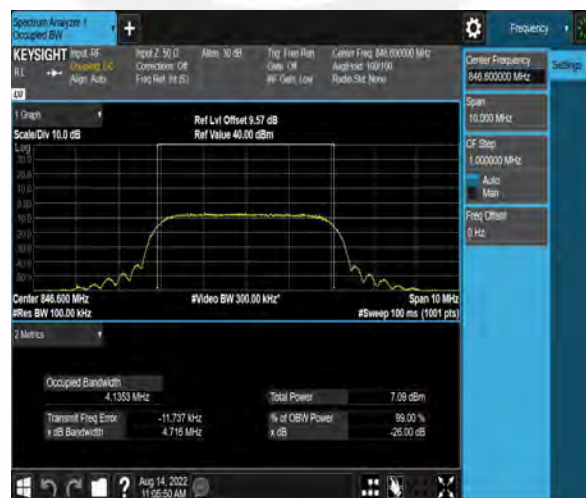
Band5-4183-5



Band5-4233-1



Band5-4233-2

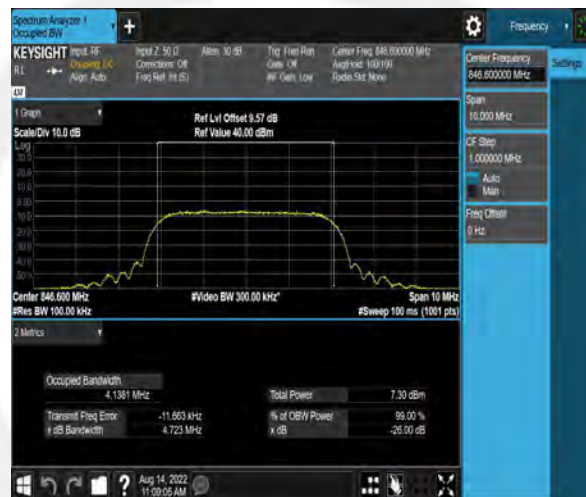


Band5-4233-3

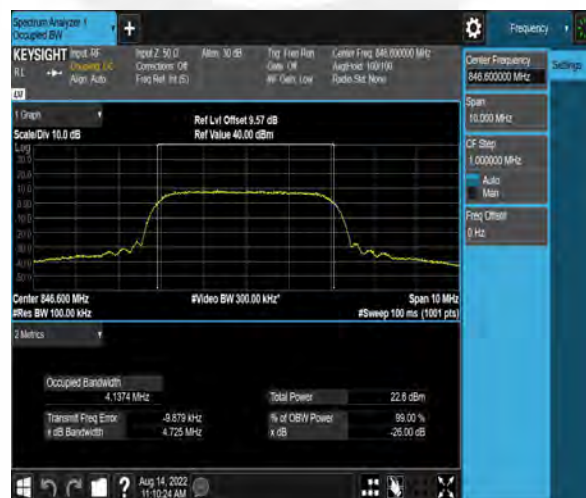




Band5-4233-4



Band5-4233-5





## AppendixD:Band Edge

### Test Result

| Band  | Channel | Frequency (MHz) | Result (dBm) | Limit(dBm) | Verdict |
|-------|---------|-----------------|--------------|------------|---------|
| Band5 | 4132    | 824.00          | -18.33       | -13        | PASS    |
| Band5 | 4233    | 849.00          | -18.66       | -13        | PASS    |

| Band  | Channel | SubTest | Frequency (MHz) | Result (dBm) | Limit(dBm) | Verdict |
|-------|---------|---------|-----------------|--------------|------------|---------|
| Band5 | 4132    | 1       | 824.00          | -19.27       | -13        | PASS    |
| Band5 | 4132    | 2       | 824.00          | -18.40       | -13        | PASS    |
| Band5 | 4132    | 3       | 824.00          | -18.08       | -13        | PASS    |
| Band5 | 4132    | 4       | 824.00          | -18.00       | -13        | PASS    |
| Band5 | 4233    | 1       | 849.00          | -19.83       | -13        | PASS    |
| Band5 | 4233    | 2       | 849.00          | -18.70       | -13        | PASS    |
| Band5 | 4233    | 3       | 849.00          | -18.47       | -13        | PASS    |
| Band5 | 4233    | 4       | 849.00          | -18.35       | -13        | PASS    |

| Band  | Channel | SubTest | Frequency (MHz) | Result (dBm) | Limit(dBm) | Verdict |
|-------|---------|---------|-----------------|--------------|------------|---------|
| Band5 | 4132    | 1       | 824.00          | -18.65       | -13        | PASS    |
| Band5 | 4132    | 2       | 824.00          | -19.39       | -13        | PASS    |
| Band5 | 4132    | 3       | 824.00          | -19.12       | -13        | PASS    |
| Band5 | 4132    | 4       | 824.00          | -20.68       | -13        | PASS    |
| Band5 | 4132    | 5       | 824.00          | -18.28       | -13        | PASS    |
| Band5 | 4233    | 1       | 849.00          | -40.44       | -13        | PASS    |
| Band5 | 4233    | 2       | 849.00          | -40.69       | -13        | PASS    |
| Band5 | 4233    | 3       | 849.00          | -40.90       | -13        | PASS    |
| Band5 | 4233    | 4       | 849.00          | -40.57       | -13        | PASS    |
| Band5 | 4233    | 5       | 849.00          | -25.11       | -13        | PASS    |

## Test Graphs

Band5-4132



Band5-4233



## Band5-4132-1



## Band5-4132-2



## Band5-4132-3



## Band5-4132-4



Band5-4233-1



Band5-4233-2



Band5-4233-3





Band5-4233-4



## Band5-4132-1



## Band5-4132-2



## Band5-4132-3



## Band5-4132-4



Band5-4132-5



Band5-4233-1



Band5-4233-2





Band5-4233-3



Band5-4233-4



Band5-4233-5





## Appendix E: Conducted Spurious Emission

### Test Result

| Band  | Channel | Frequency Range (Mhz) | Frequency (dBm) | Result (dBm) | Limit (dBm) | Verdict |
|-------|---------|-----------------------|-----------------|--------------|-------------|---------|
| Band5 | 4132    | 0.009~0.15MHz         | 0.02            | -76.62       | -43         | PASS    |
| Band5 | 4132    | 0.15~30MHz            | 0.15            | -68.59       | -33         | PASS    |
| Band5 | 4132    | 30~1000MHz            | 926.8           | -66.63       | -23         | PASS    |
| Band5 | 4132    | 1000~3000MHz          | 2619.6          | -36.15       | -13         | PASS    |
| Band5 | 4132    | 3000~10000MHz         | 3846.07         | -50.15       | -13         | PASS    |
| Band5 | 4132    | 10000~18000MHz        | 14252.8         | -51.53       | -13         | PASS    |
| Band5 | 4183    | 0.009~0.15MHz         | 0.01            | -75.59       | -43         | PASS    |
| Band5 | 4183    | 0.15~30MHz            | 0.18            | -68.59       | -33         | PASS    |
| Band5 | 4183    | 30~1000MHz            | 965.82          | -66.77       | -23         | PASS    |
| Band5 | 4183    | 1000~3000MHz          | 2624.33         | -36.22       | -13         | PASS    |
| Band5 | 4183    | 3000~10000MHz         | 3856.33         | -50.31       | -13         | PASS    |
| Band5 | 4183    | 10000~18000MHz        | 13614.4         | -51.46       | -13         | PASS    |
| Band5 | 4233    | 0.009~0.15MHz         | 0.01            | -75.8        | -43         | PASS    |
| Band5 | 4233    | 0.15~30MHz            | 0.15            | -68.84       | -33         | PASS    |
| Band5 | 4233    | 30~1000MHz            | 981.54          | -66.71       | -23         | PASS    |
| Band5 | 4233    | 1000~3000MHz          | 2676.87         | -36.07       | -13         | PASS    |
| Band5 | 4233    | 3000~10000MHz         | 3834.4          | -50.28       | -13         | PASS    |
| Band5 | 4233    | 10000~18000MHz        | 13606.67        | -51.42       | -13         | PASS    |

| Band  | Channel | SubTest | Frequency Range (Mhz) | Frequency (dBm) | Result (dBm) | Limit (dBm) | Verdict |
|-------|---------|---------|-----------------------|-----------------|--------------|-------------|---------|
| Band5 | 4132    | 1       | 0.15~30MHz            | 0.18            | -68.91       | -33         | PASS    |
| Band5 | 4132    | 1       | 30~1000MHz            | 941.22          | -66.43       | -23         | PASS    |
| Band5 | 4132    | 1       | 1000~3000MHz          | 2660.07         | -36.57       | -13         | PASS    |
| Band5 | 4132    | 1       | 3000~10000MHz         | 3810.6          | -50.44       | -13         | PASS    |
| Band5 | 4132    | 1       | 10000~18000MHz        | 13600.8         | -51.68       | -13         | PASS    |
| Band5 | 4132    | 1       | 0.009~0.15MHz         | 0.01            | -76.19       | -43         | PASS    |
| Band5 | 4132    | 2       | 1000~3000MHz          | 2617.67         | -36.56       | -13         | PASS    |
| Band5 | 4132    | 2       | 0.009~0.15MHz         | 0.01            | -75.27       | -43         | PASS    |
| Band5 | 4132    | 2       | 3000~10000MHz         | 3839.77         | -50.4        | -13         | PASS    |
| Band5 | 4132    | 2       | 30~1000MHz            | 996.22          | -65.73       | -23         | PASS    |
| Band5 | 4132    | 2       | 0.15~30MHz            | 0.16            | -69.06       | -33         | PASS    |

|       |      |   |                |          |        |     |      |
|-------|------|---|----------------|----------|--------|-----|------|
| Band5 | 4132 | 2 | 10000~18000MHz | 13605.33 | -51.55 | -13 | PASS |
| Band5 | 4132 | 3 | 0.15~30MHz     | 0.17     | -67.34 | -33 | PASS |
| Band5 | 4132 | 3 | 30~1000MHz     | 926.86   | -66.35 | -23 | PASS |
| Band5 | 4132 | 3 | 10000~18000MHz | 13604.8  | -51.42 | -13 | PASS |
| Band5 | 4132 | 3 | 0.009~0.15MHz  | 0.01     | -75.18 | -43 | PASS |
| Band5 | 4132 | 3 | 3000~10000MHz  | 3840.47  | -50.43 | -13 | PASS |
| Band5 | 4132 | 3 | 1000~3000MHz   | 2605.2   | -36.58 | -13 | PASS |
| Band5 | 4132 | 4 | 0.15~30MHz     | 0.15     | -68.94 | -33 | PASS |
| Band5 | 4132 | 4 | 30~1000MHz     | 948.43   | -66.42 | -23 | PASS |
| Band5 | 4132 | 4 | 1000~3000MHz   | 2670.87  | -36.49 | -13 | PASS |
| Band5 | 4132 | 4 | 10000~18000MHz | 13614.4  | -51.6  | -13 | PASS |
| Band5 | 4132 | 4 | 0.009~0.15MHz  | 0.01     | -76.59 | -43 | PASS |
| Band5 | 4132 | 4 | 3000~10000MHz  | 3803.6   | -50.08 | -13 | PASS |
| Band5 | 4183 | 1 | 10000~18000MHz | 13611.47 | -51.69 | -13 | PASS |
| Band5 | 4183 | 1 | 3000~10000MHz  | 3844.2   | -50.4  | -13 | PASS |
| Band5 | 4183 | 1 | 1000~3000MHz   | 2642.93  | -36.6  | -13 | PASS |
| Band5 | 4183 | 1 | 30~1000MHz     | 955.9    | -65.78 | -23 | PASS |
| Band5 | 4183 | 1 | 0.009~0.15MHz  | 0.01     | -76.6  | -43 | PASS |
| Band5 | 4183 | 1 | 0.15~30MHz     | 0.16     | -68.75 | -33 | PASS |
| Band5 | 4183 | 2 | 0.15~30MHz     | 0.15     | -67.66 | -33 | PASS |
| Band5 | 4183 | 2 | 30~1000MHz     | 966.11   | -66.37 | -23 | PASS |
| Band5 | 4183 | 2 | 1000~3000MHz   | 2637.27  | -36.4  | -13 | PASS |
| Band5 | 4183 | 2 | 3000~10000MHz  | 3796.6   | -50.34 | -13 | PASS |
| Band5 | 4183 | 2 | 0.009~0.15MHz  | 0.01     | -73.4  | -43 | PASS |
| Band5 | 4183 | 2 | 10000~18000MHz | 13622.13 | -51.56 | -13 | PASS |
| Band5 | 4183 | 3 | 1000~3000MHz   | 2649.8   | -36.55 | -13 | PASS |
| Band5 | 4183 | 3 | 30~1000MHz     | 993.47   | -66.48 | -23 | PASS |
| Band5 | 4183 | 3 | 0.15~30MHz     | 0.15     | -69    | -33 | PASS |
| Band5 | 4183 | 3 | 3000~10000MHz  | 3848.17  | -50.27 | -13 | PASS |
| Band5 | 4183 | 3 | 0.009~0.15MHz  | 0.01     | -74.5  | -43 | PASS |
| Band5 | 4183 | 3 | 10000~18000MHz | 14176.27 | -51.53 | -13 | PASS |
| Band5 | 4183 | 4 | 0.009~0.15MHz  | 0.01     | -76.1  | -43 | PASS |
| Band5 | 4183 | 4 | 0.15~30MHz     | 0.16     | -68.87 | -33 | PASS |
| Band5 | 4183 | 4 | 30~1000MHz     | 729.18   | -66.35 | -23 | PASS |
| Band5 | 4183 | 4 | 1000~3000MHz   | 2621.07  | -36.37 | -13 | PASS |
| Band5 | 4183 | 4 | 3000~10000MHz  | 3807.1   | -50.3  | -13 | PASS |
| Band5 | 4183 | 4 | 10000~18000MHz | 14256.27 | -51.55 | -13 | PASS |

|       |      |   |                |          |        |     |      |
|-------|------|---|----------------|----------|--------|-----|------|
| Band5 | 4233 | 1 | 10000~18000MHz | 13602.13 | -51.62 | -13 | PASS |
| Band5 | 4233 | 1 | 0.009~0.15MHz  | 0.01     | -75.76 | -43 | PASS |
| Band5 | 4233 | 1 | 3000~10000MHz  | 3844.2   | -50.24 | -13 | PASS |
| Band5 | 4233 | 1 | 0.15~30MHz     | 0.15     | -67.8  | -33 | PASS |
| Band5 | 4233 | 1 | 1000~3000MHz   | 2600.87  | -36.45 | -13 | PASS |
| Band5 | 4233 | 1 | 30~1000MHz     | 504.65   | -66.99 | -23 | PASS |
| Band5 | 4233 | 2 | 0.15~30MHz     | 0.15     | -68.89 | -33 | PASS |
| Band5 | 4233 | 2 | 30~1000MHz     | 746.44   | -65.88 | -23 | PASS |
| Band5 | 4233 | 2 | 1000~3000MHz   | 2654     | -36.47 | -13 | PASS |
| Band5 | 4233 | 2 | 10000~18000MHz | 14181.6  | -51.53 | -13 | PASS |
| Band5 | 4233 | 2 | 3000~10000MHz  | 3807.57  | -50.27 | -13 | PASS |
| Band5 | 4233 | 2 | 0.009~0.15MHz  | 0.01     | -76.47 | -43 | PASS |
| Band5 | 4233 | 3 | 30~1000MHz     | 709.13   | -66.84 | -23 | PASS |
| Band5 | 4233 | 3 | 10000~18000MHz | 14210.93 | -51.54 | -13 | PASS |
| Band5 | 4233 | 3 | 1000~3000MHz   | 2639.27  | -36.56 | -13 | PASS |
| Band5 | 4233 | 3 | 0.15~30MHz     | 0.17     | -67.01 | -33 | PASS |
| Band5 | 4233 | 3 | 0.009~0.15MHz  | 0.01     | -76.28 | -43 | PASS |
| Band5 | 4233 | 3 | 3000~10000MHz  | 3779.1   | -50.41 | -13 | PASS |
| Band5 | 4233 | 4 | 10000~18000MHz | 13612.27 | -51.57 | -13 | PASS |
| Band5 | 4233 | 4 | 0.009~0.15MHz  | 0.01     | -76.09 | -43 | PASS |
| Band5 | 4233 | 4 | 0.15~30MHz     | 0.15     | -68.71 | -33 | PASS |
| Band5 | 4233 | 4 | 30~1000MHz     | 644.75   | -66.18 | -23 | PASS |
| Band5 | 4233 | 4 | 1000~3000MHz   | 2712.47  | -36.5  | -13 | PASS |
| Band5 | 4233 | 4 | 3000~10000MHz  | 3839.07  | -50.3  | -13 | PASS |

| Band  | Channel | SubTest | Frequency Range (Mhz) | Frequency (dBm) | Result (dBm) | Limit (dBm) | Verdict |
|-------|---------|---------|-----------------------|-----------------|--------------|-------------|---------|
| Band5 | 4132    | 1       | 0.15~30MHz            | 0.16            | -67.67       | -33         | PASS    |
| Band5 | 4132    | 1       | 30~1000MHz            | 929             | -65.5        | -23         | PASS    |
| Band5 | 4132    | 1       | 1000~3000MHz          | 2699.07         | -36.09       | -13         | PASS    |
| Band5 | 4132    | 1       | 3000~10000MHz         | 3828.57         | -50.09       | -13         | PASS    |
| Band5 | 4132    | 1       | 10000~18000MHz        | 13625.6         | -51.25       | -13         | PASS    |
| Band5 | 4132    | 1       | 0.009~0.15MHz         | 0.02            | -76.85       | -43         | PASS    |
| Band5 | 4132    | 2       | 1000~3000MHz          | 2638.07         | -36.09       | -13         | PASS    |
| Band5 | 4132    | 2       | 3000~10000MHz         | 3790.07         | -49.98       | -13         | PASS    |
| Band5 | 4132    | 2       | 30~1000MHz            | 969.19          | -66.44       | -23         | PASS    |



|       |      |   |                |          |        |     |      |
|-------|------|---|----------------|----------|--------|-----|------|
| Band5 | 4132 | 2 | 0.15~30MHz     | 0.15     | -67.1  | -33 | PASS |
| Band5 | 4132 | 2 | 0.009~0.15MHz  | 0.01     | -76.32 | -43 | PASS |
| Band5 | 4132 | 2 | 10000~18000MHz | 13630.67 | -51.17 | -13 | PASS |
| Band5 | 4132 | 3 | 10000~18000MHz | 13606.67 | -51.43 | -13 | PASS |
| Band5 | 4132 | 3 | 0.15~30MHz     | 0.15     | -67.55 | -33 | PASS |
| Band5 | 4132 | 3 | 30~1000MHz     | 999.94   | -66.37 | -23 | PASS |
| Band5 | 4132 | 3 | 0.009~0.15MHz  | 0.01     | -75.69 | -43 | PASS |
| Band5 | 4132 | 3 | 3000~10000MHz  | 3847.23  | -50.13 | -13 | PASS |
| Band5 | 4132 | 3 | 1000~3000MHz   | 2768.27  | -36.1  | -13 | PASS |
| Band5 | 4132 | 4 | 0.009~0.15MHz  | 0.01     | -74.42 | -43 | PASS |
| Band5 | 4132 | 4 | 0.15~30MHz     | 0.15     | -66.8  | -33 | PASS |
| Band5 | 4132 | 4 | 30~1000MHz     | 946.42   | -65.97 | -23 | PASS |
| Band5 | 4132 | 4 | 1000~3000MHz   | 2645.13  | -35.98 | -13 | PASS |
| Band5 | 4132 | 4 | 3000~10000MHz  | 3791.47  | -50.27 | -13 | PASS |
| Band5 | 4132 | 4 | 10000~18000MHz | 14224.8  | -51.51 | -13 | PASS |
| Band5 | 4132 | 5 | 1000~3000MHz   | 2608.27  | -36.1  | -13 | PASS |
| Band5 | 4132 | 5 | 10000~18000MHz | 14249.6  | -51.31 | -13 | PASS |
| Band5 | 4132 | 5 | 3000~10000MHz  | 3815.5   | -50.13 | -13 | PASS |
| Band5 | 4132 | 5 | 0.009~0.15MHz  | 0.02     | -76.64 | -43 | PASS |
| Band5 | 4132 | 5 | 30~1000MHz     | 989.49   | -66.32 | -23 | PASS |
| Band5 | 4132 | 5 | 0.15~30MHz     | 0.15     | -67.96 | -33 | PASS |
| Band5 | 4183 | 1 | 0.15~30MHz     | 0.15     | -67.47 | -33 | PASS |
| Band5 | 4183 | 1 | 0.009~0.15MHz  | 0.01     | -76.73 | -43 | PASS |
| Band5 | 4183 | 1 | 30~1000MHz     | 619.82   | -66.15 | -23 | PASS |
| Band5 | 4183 | 1 | 1000~3000MHz   | 2997.87  | -35.85 | -13 | PASS |
| Band5 | 4183 | 1 | 3000~10000MHz  | 3801.97  | -50.14 | -13 | PASS |
| Band5 | 4183 | 1 | 10000~18000MHz | 14341.33 | -51.41 | -13 | PASS |
| Band5 | 4183 | 2 | 1000~3000MHz   | 2634.13  | -35.96 | -13 | PASS |
| Band5 | 4183 | 2 | 3000~10000MHz  | 3847.23  | -50.04 | -13 | PASS |
| Band5 | 4183 | 2 | 30~1000MHz     | 713.72   | -66.6  | -23 | PASS |
| Band5 | 4183 | 2 | 0.15~30MHz     | 0.16     | -67.98 | -33 | PASS |
| Band5 | 4183 | 2 | 0.009~0.15MHz  | 0.01     | -77.38 | -43 | PASS |
| Band5 | 4183 | 2 | 10000~18000MHz | 14186.67 | -51.49 | -13 | PASS |
| Band5 | 4183 | 3 | 30~1000MHz     | 730.02   | -66.53 | -23 | PASS |
| Band5 | 4183 | 3 | 0.009~0.15MHz  | 0.01     | -76.48 | -43 | PASS |
| Band5 | 4183 | 3 | 1000~3000MHz   | 2597.93  | -35.9  | -13 | PASS |
| Band5 | 4183 | 3 | 3000~10000MHz  | 3791.47  | -50.23 | -13 | PASS |

|       |      |   |                |          |        |     |      |
|-------|------|---|----------------|----------|--------|-----|------|
| Band5 | 4183 | 3 | 10000~18000MHz | 13636.8  | -51.46 | -13 | PASS |
| Band5 | 4183 | 3 | 0.15~30MHz     | 0.17     | -69.54 | -33 | PASS |
| Band5 | 4183 | 4 | 0.15~30MHz     | 0.16     | -67.7  | -33 | PASS |
| Band5 | 4183 | 4 | 10000~18000MHz | 14241.6  | -51.57 | -13 | PASS |
| Band5 | 4183 | 4 | 3000~10000MHz  | 3851.2   | -50.18 | -13 | PASS |
| Band5 | 4183 | 4 | 30~1000MHz     | 970.71   | -66.65 | -23 | PASS |
| Band5 | 4183 | 4 | 0.009~0.15MHz  | 0.01     | -75.78 | -43 | PASS |
| Band5 | 4183 | 4 | 1000~3000MHz   | 2630.93  | -36.13 | -13 | PASS |
| Band5 | 4183 | 5 | 10000~18000MHz | 14356    | -51.41 | -13 | PASS |
| Band5 | 4183 | 5 | 0.15~30MHz     | 0.15     | -67.18 | -33 | PASS |
| Band5 | 4183 | 5 | 30~1000MHz     | 423.01   | -66.47 | -23 | PASS |
| Band5 | 4183 | 5 | 1000~3000MHz   | 2618.47  | -36.06 | -13 | PASS |
| Band5 | 4183 | 5 | 3000~10000MHz  | 3787.03  | -50.3  | -13 | PASS |
| Band5 | 4183 | 5 | 0.009~0.15MHz  | 0.01     | -75.51 | -43 | PASS |
| Band5 | 4233 | 1 | 0.009~0.15MHz  | 0.01     | -75.34 | -43 | PASS |
| Band5 | 4233 | 1 | 0.15~30MHz     | 0.15     | -67.29 | -33 | PASS |
| Band5 | 4233 | 1 | 30~1000MHz     | 949.08   | -65.49 | -23 | PASS |
| Band5 | 4233 | 1 | 1000~3000MHz   | 2566.53  | -35.99 | -13 | PASS |
| Band5 | 4233 | 1 | 3000~10000MHz  | 3846.07  | -50.14 | -13 | PASS |
| Band5 | 4233 | 1 | 10000~18000MHz | 13600    | -51.52 | -13 | PASS |
| Band5 | 4233 | 2 | 1000~3000MHz   | 2606     | -35.98 | -13 | PASS |
| Band5 | 4233 | 2 | 10000~18000MHz | 13607.47 | -51.5  | -13 | PASS |
| Band5 | 4233 | 2 | 3000~10000MHz  | 3843.03  | -49.99 | -13 | PASS |
| Band5 | 4233 | 2 | 30~1000MHz     | 452.98   | -66.72 | -23 | PASS |
| Band5 | 4233 | 2 | 0.15~30MHz     | 0.16     | -67.58 | -33 | PASS |
| Band5 | 4233 | 2 | 0.009~0.15MHz  | 0.01     | -76.88 | -43 | PASS |
| Band5 | 4233 | 3 | 3000~10000MHz  | 3849.33  | -50.2  | -13 | PASS |
| Band5 | 4233 | 3 | 0.15~30MHz     | 0.16     | -68.74 | -33 | PASS |
| Band5 | 4233 | 3 | 10000~18000MHz | 13605.07 | -51.32 | -13 | PASS |
| Band5 | 4233 | 3 | 30~1000MHz     | 951.47   | -66.67 | -23 | PASS |
| Band5 | 4233 | 3 | 1000~3000MHz   | 2593     | -36.09 | -13 | PASS |
| Band5 | 4233 | 3 | 0.009~0.15MHz  | 0.01     | -76.7  | -43 | PASS |
| Band5 | 4233 | 4 | 0.009~0.15MHz  | 0.01     | -75.94 | -43 | PASS |
| Band5 | 4233 | 4 | 10000~18000MHz | 14226.13 | -51.45 | -13 | PASS |
| Band5 | 4233 | 4 | 3000~10000MHz  | 3799.17  | -50.23 | -13 | PASS |
| Band5 | 4233 | 4 | 1000~3000MHz   | 2611.93  | -36.03 | -13 | PASS |
| Band5 | 4233 | 4 | 0.15~30MHz     | 0.17     | -68.64 | -33 | PASS |

|       |      |   |                |         |        |     |      |
|-------|------|---|----------------|---------|--------|-----|------|
| Band5 | 4233 | 4 | 30~1000MHz     | 418.61  | -66.46 | -23 | PASS |
| Band5 | 4233 | 5 | 10000~18000MHz | 13616.8 | -51.24 | -13 | PASS |
| Band5 | 4233 | 5 | 0.009~0.15MHz  | 0.01    | -74.93 | -43 | PASS |
| Band5 | 4233 | 5 | 0.15~30MHz     | 0.15    | -68.44 | -33 | PASS |
| Band5 | 4233 | 5 | 30~1000MHz     | 713.59  | -66.77 | -23 | PASS |
| Band5 | 4233 | 5 | 1000~3000MHz   | 2653.73 | -36.09 | -13 | PASS |
| Band5 | 4233 | 5 | 3000~10000MHz  | 3845.6  | -50    | -13 | PASS |



## Test Graphs

Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz





Band5-4132-1000~3000MHz



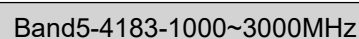
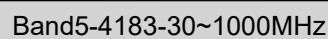
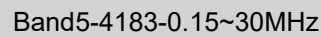
Band5-4132-3000~10000MHz

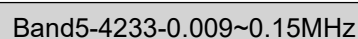
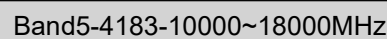
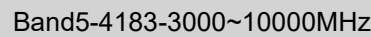


Band5-4132-10000~18000MHz

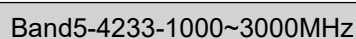
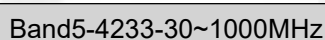


Band5-4183-0.009~0.15MHz













Band5-4233-3000~10000MHz



Band5-4233-10000~18000MHz



### Band5-4132-1-0.15~30MHz



### Band5-4132-1-30~1000MHz



### Band5-4132-1-1000~3000MHz



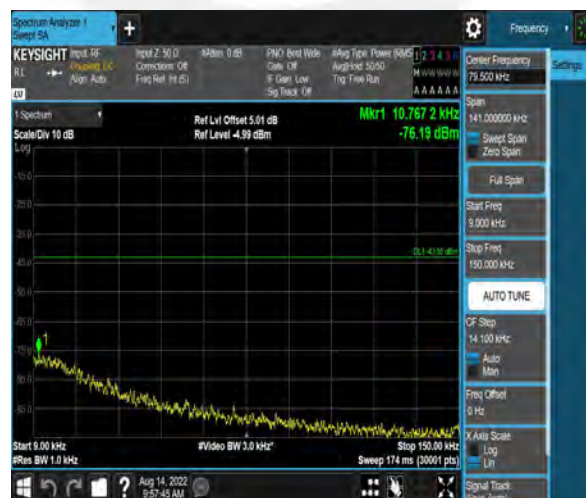
### Band5-4132-1-3000~10000MHz



Band5-4132-1-10000~18000MHz



Band5-4132-1-0.009~0.15MHz

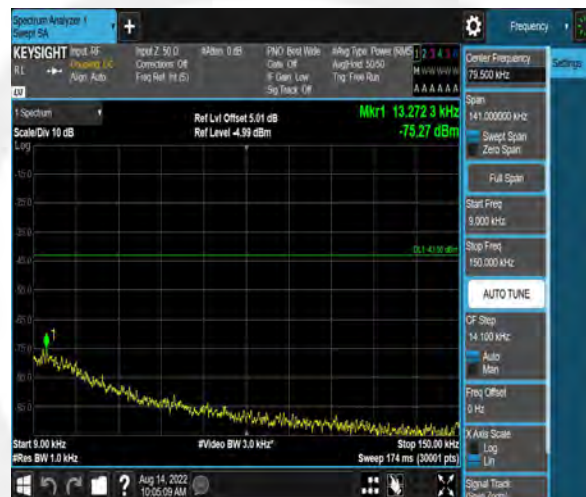


Band5-4132-2-1000~3000MHz





Band5-4132-2-0.009~0.15MHz



Band5-4132-2-3000~10000MHz



Band5-4132-2-30~1000MHz





Band5-4132-2-0.15~30MHz



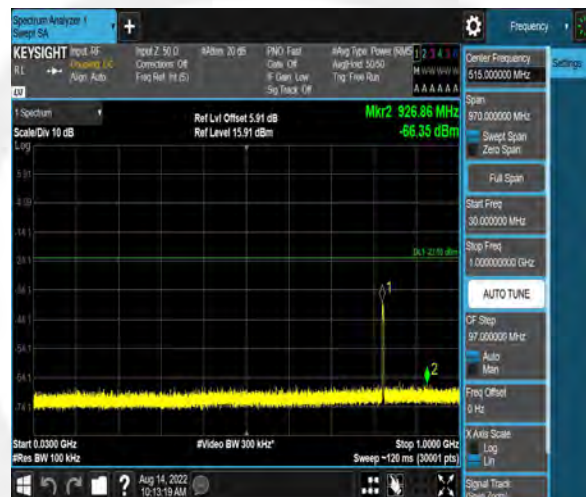
Band5-4132-2-10000~18000MHz



Band5-4132-3-0.15~30MHz



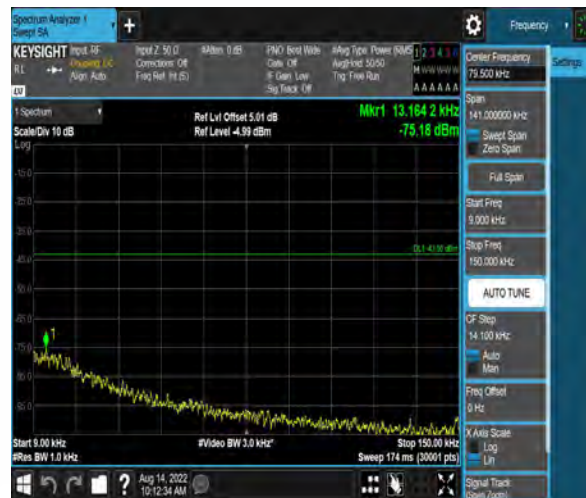
Band5-4132-3-30~1000MHz



Band5-4132-3-10000~18000MHz



Band5-4132-3-0.009~0.15MHz



Band5-4132-3-3000~10000MHz



Band5-4132-3-1000~3000MHz

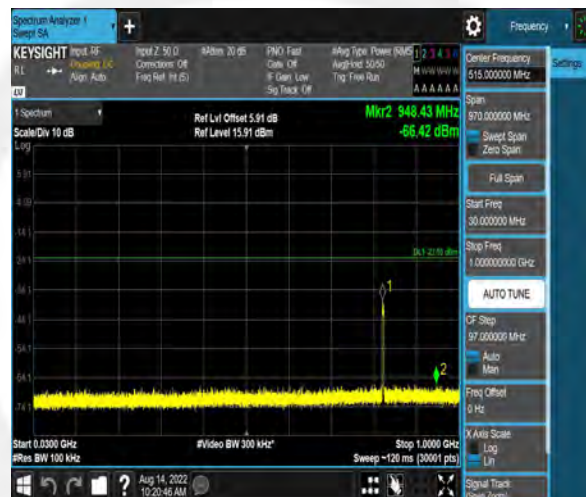


Band5-4132-4-0.15~30MHz





Band5-4132-4-30~1000MHz



Band5-4132-4-1000~3000MHz

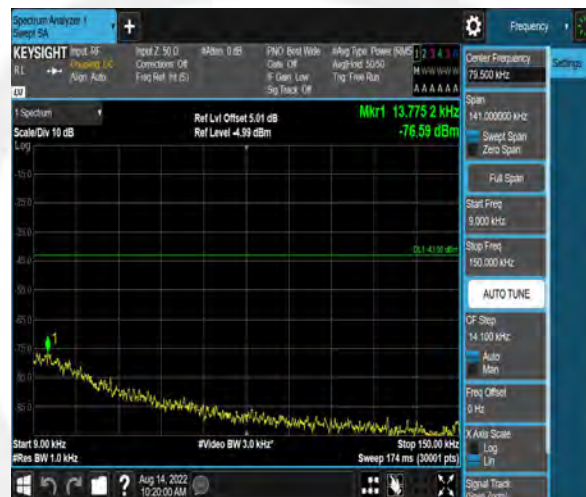


Band5-4132-4-10000~18000MHz





Band5-4132-4-0.009~0.15MHz



Band5-4132-4-3000~10000MHz



Band5-4183-1-10000~18000MHz



Band5-4183-1-3000~10000MHz



Band5-4183-1-1000~3000MHz



Band5-4183-1-30~1000MHz



Band5-4183-1-0.009~0.15MHz



Band5-4183-1-0.15~30MHz

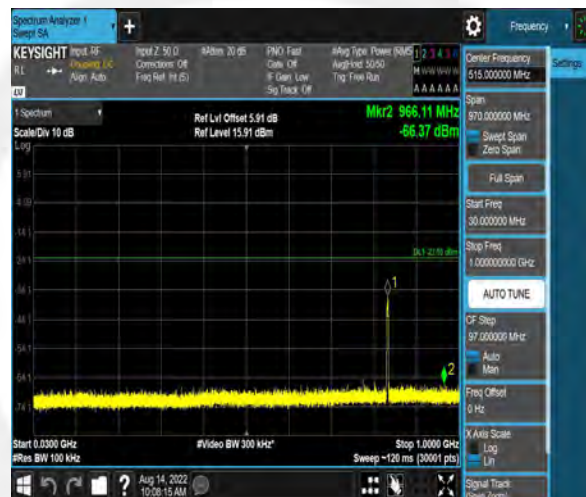


Band5-4183-2-0.15~30MHz





Band5-4183-2-30~1000MHz



Band5-4183-2-1000~3000MHz

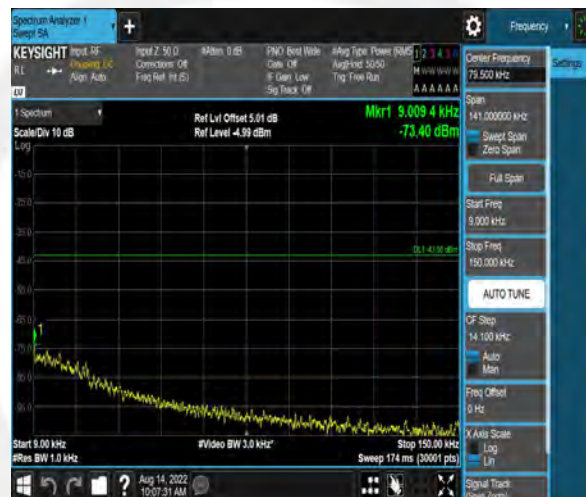


Band5-4183-2-3000~10000MHz





Band5-4183-2-0.009~0.15MHz



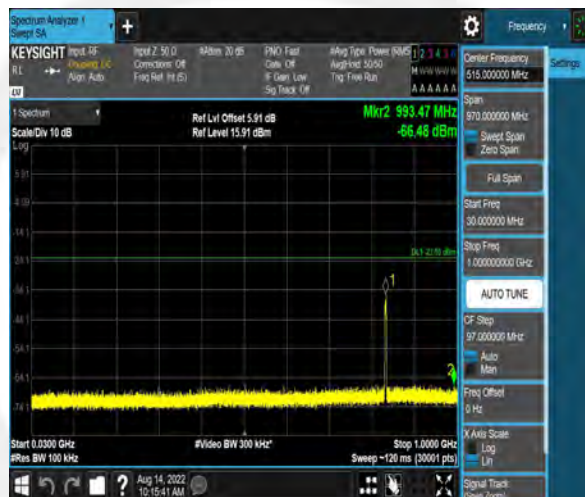
Band5-4183-2-10000~18000MHz



Band5-4183-3-1000~3000MHz



Band5-4183-3-30~1000MHz



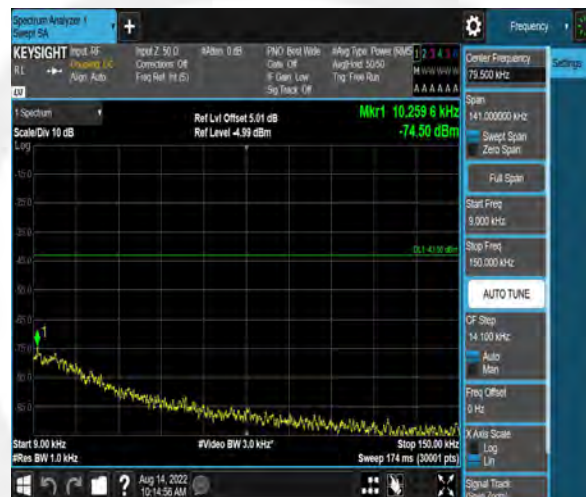
Band5-4183-3-0.15~30MHz



Band5-4183-3-3000~10000MHz



Band5-4183-3-0.009~0.15MHz

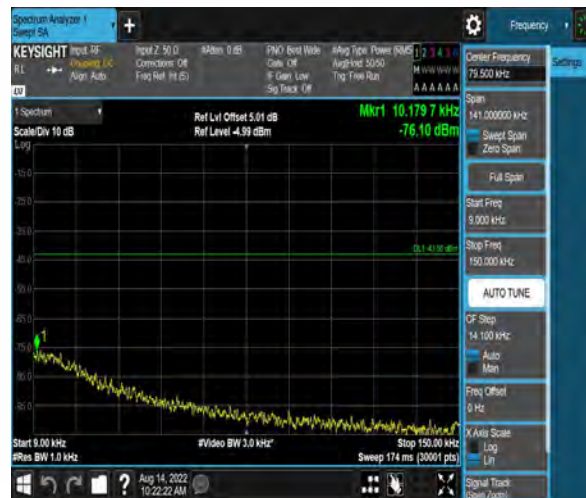


Band5-4183-3-10000~18000MHz



Band5-4183-4-0.009~0.15MHz

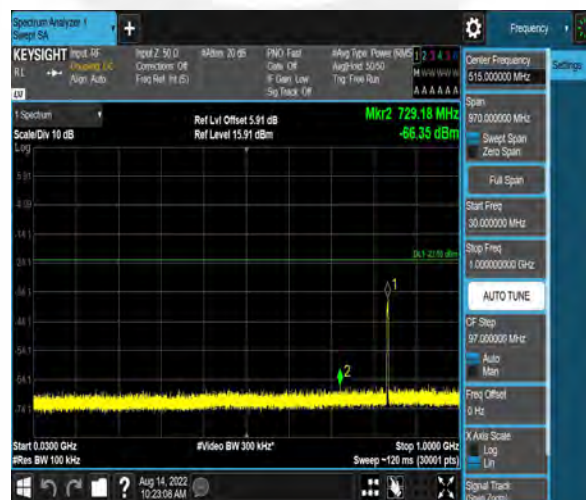




Band5-4183-4-0.15~30MHz



Band5-4183-4-30~1000MHz



Band5-4183-4-1000~3000MHz





Band5-4183-4-3000~10000MHz



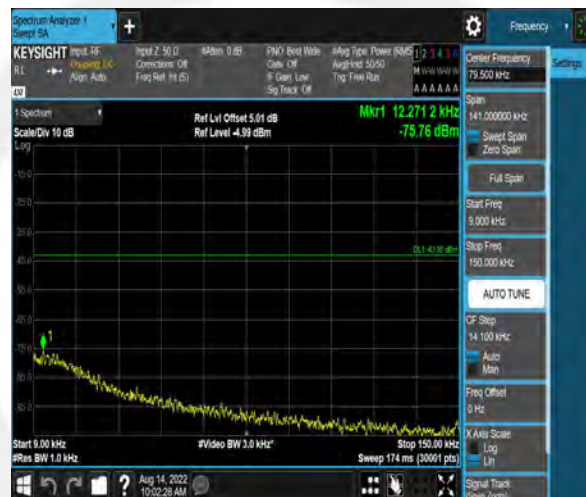
Band5-4183-4-10000~18000MHz



Band5-4233-1-10000~18000MHz



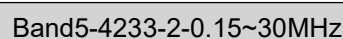
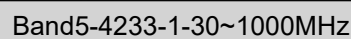
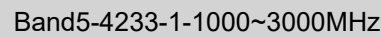
Band5-4233-1-0.009~0.15MHz



Band5-4233-1-3000~10000MHz



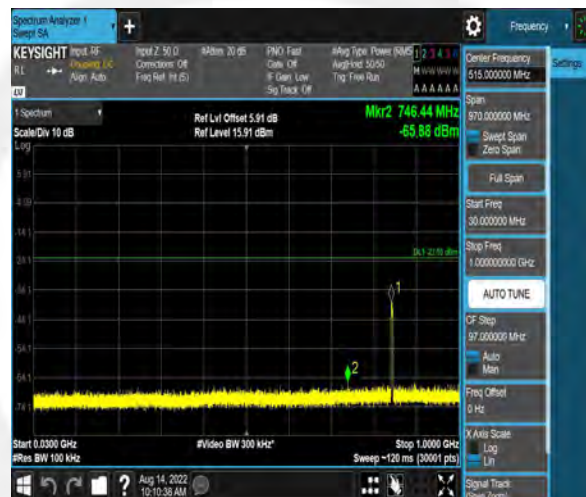
Band5-4233-1-0.15~30MHz







Band5-4233-2-30~1000MHz



Band5-4233-2-1000~3000MHz



Band5-4233-2-10000~18000MHz

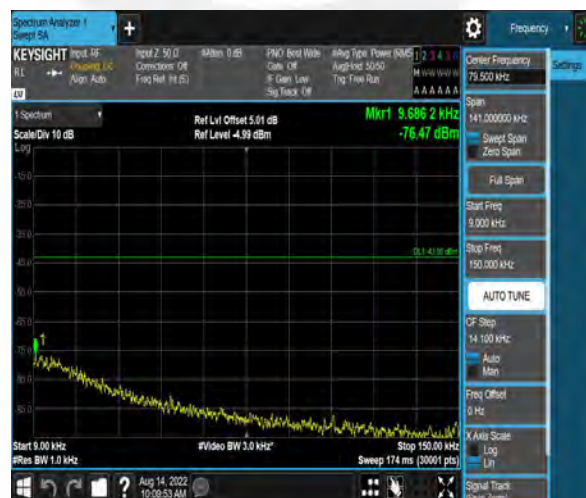




Band5-4233-2-3000~10000MHz



Band5-4233-2-0.009~0.15MHz



Band5-4233-3-30~1000MHz



Band5-4233-3-10000~18000MHz



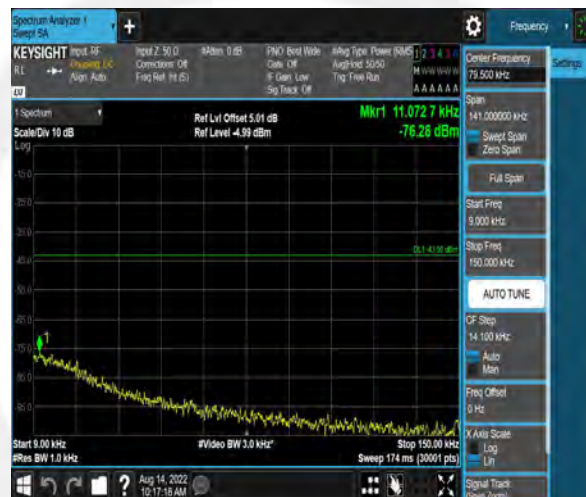
Band5-4233-3-1000~3000MHz



Band5-4233-3-0.15~30MHz



Band5-4233-3-0.009~0.15MHz



Band5-4233-3-3000~10000MHz

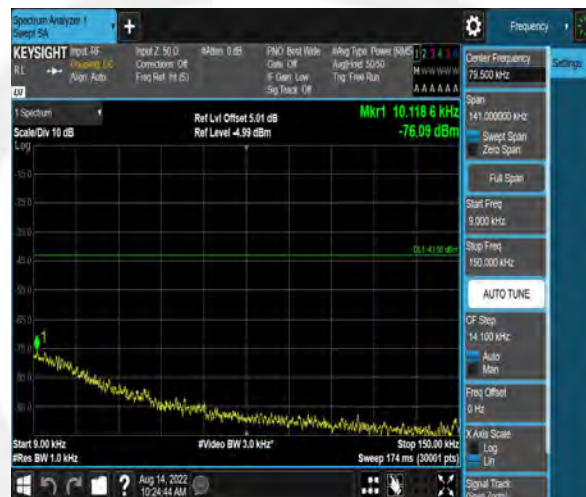


Band5-4233-4-10000~18000MHz





Band5-4233-4-0.009~0.15MHz



Band5-4233-4-0.15~30MHz



Band5-4233-4-30~1000MHz





Band5-4233-4-1000~3000MHz



Band5-4233-4-3000~10000MHz



Band5-4132-1-0.15~30MHz



Band5-4132-1-30~1000MHz



Band5-4132-1-1000~3000MHz



Band5-4132-1-3000~10000MHz



Band5-4132-1-10000~18000MHz



Band5-4132-1-0.009~0.15MHz



Band5-4132-2-1000~3000MHz





Band5-4132-2-3000~10000MHz



Band5-4132-2-30~1000MHz



Band5-4132-2-0.15~30MHz





Band5-4132-2-0.009~0.15MHz



Band5-4132-2-10000~18000MHz



Band5-4132-3-10000~18000MHz



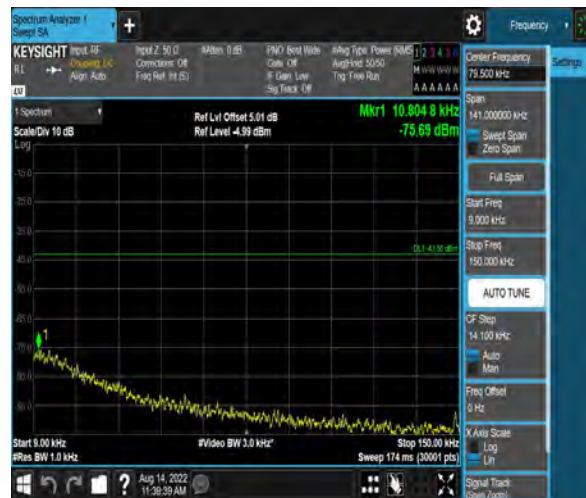
Band5-4132-3-0.15~30MHz



Band5-4132-3-30~1000MHz



Band5-4132-3-0.009~0.15MHz



Band5-4132-3-3000~10000MHz

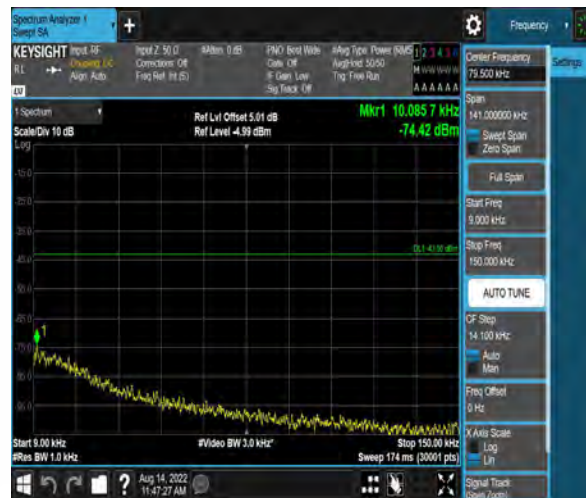


Band5-4132-3-1000~3000MHz



Band5-4132-4-0.009~0.15MHz





Band5-4132-4-0.15~30MHz

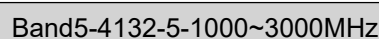
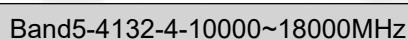
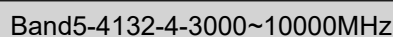


Band5-4132-4-30~1000MHz



Band5-4132-4-1000~3000MHz







Band5-4132-5-10000~18000MHz



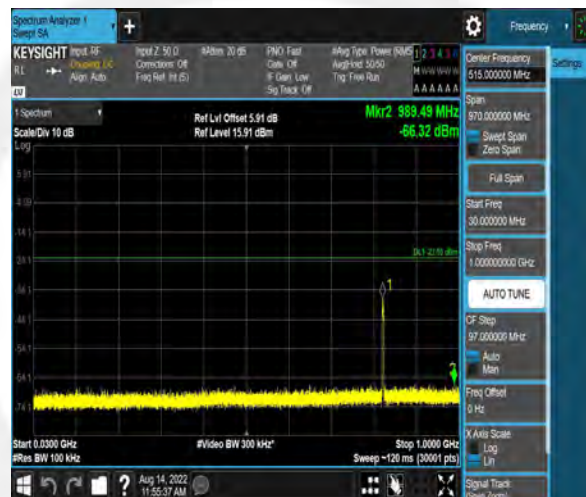
Band5-4132-5-3000~10000MHz



Band5-4132-5-0.009~0.15MHz



Band5-4132-5-30~1000MHz



Band5-4132-5-0.15~30MHz

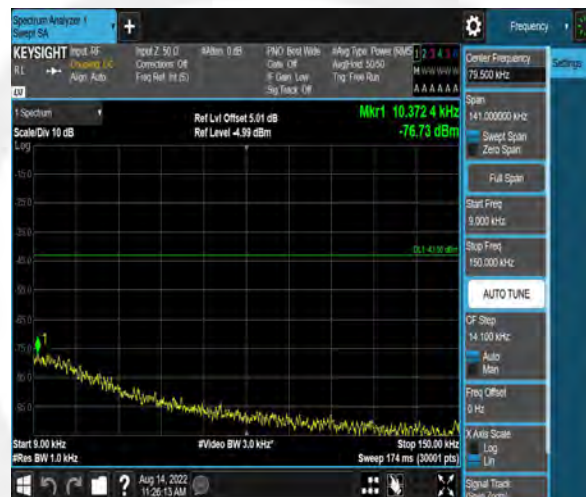


Band5-4183-1-0.15~30MHz

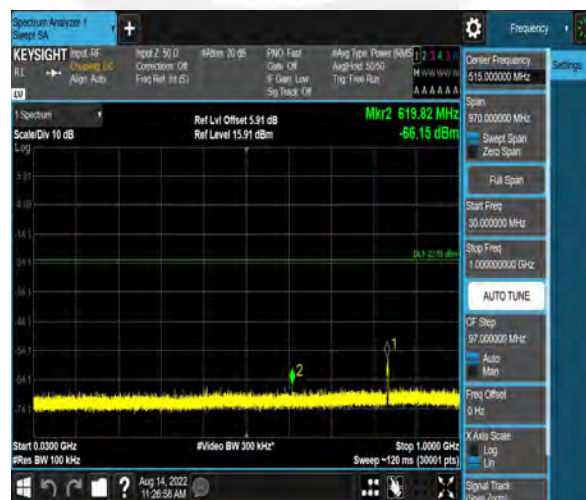




Band5-4183-1-0.009~0.15MHz



Band5-4183-1-30~1000MHz



Band5-4183-1-1000~3000MHz





Band5-4183-1-3000~10000MHz



Band5-4183-1-10000~18000MHz



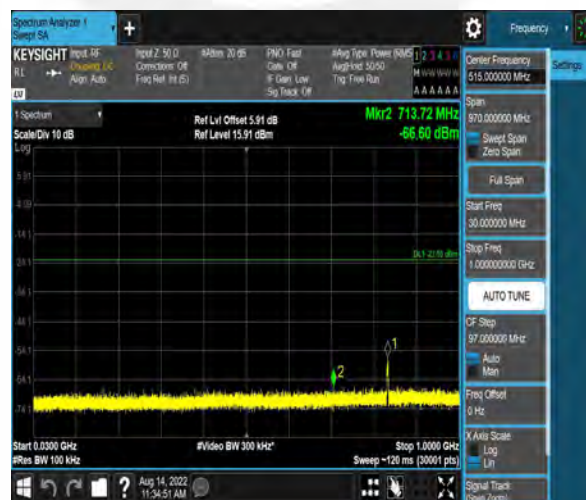
Band5-4183-2-1000~3000MHz



Band5-4183-2-3000~10000MHz



Band5-4183-2-30~1000MHz



Band5-4183-2-0.15~30MHz



Band5-4183-2-0.009~0.15MHz

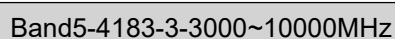
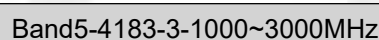
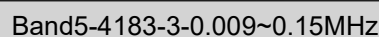


Band5-4183-2-10000~18000MHz



Band5-4183-3-30~1000MHz









Band5-4183-3-10000~18000MHz



Band5-4183-3-0.15~30MHz



Band5-4183-4-0.15~30MHz



Band5-4183-4-10000~18000MHz



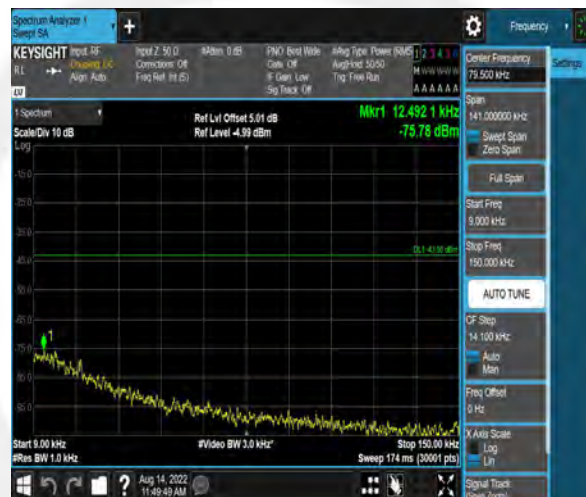
Band5-4183-4-3000~10000MHz



Band5-4183-4-30~1000MHz



Band5-4183-4-0.009~0.15MHz

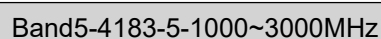
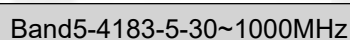
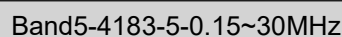


Band5-4183-4-1000~3000MHz



Band5-4183-5-10000~18000MHz





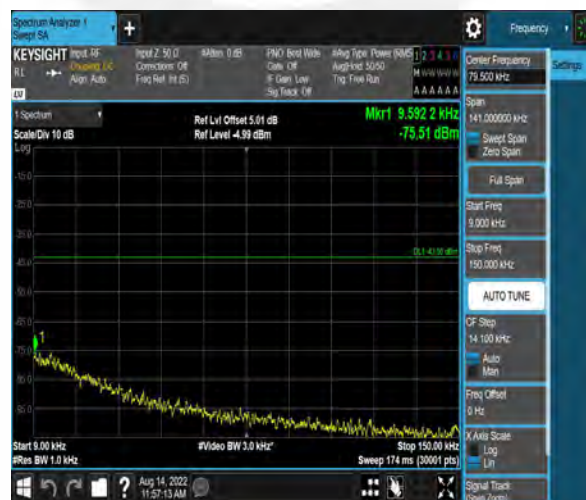




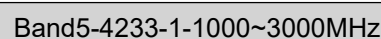
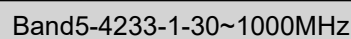
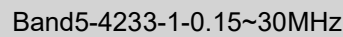
Band5-4183-5-3000~10000MHz



Band5-4183-5-0.009~0.15MHz



Band5-4233-1-0.009~0.15MHz





Band5-4233-1-3000~10000MHz



Band5-4233-1-10000~18000MHz



Band5-4233-2-1000~3000MHz





Band5-4233-2-10000~18000MHz



Band5-4233-2-3000~10000MHz



Band5-4233-2-30~1000MHz

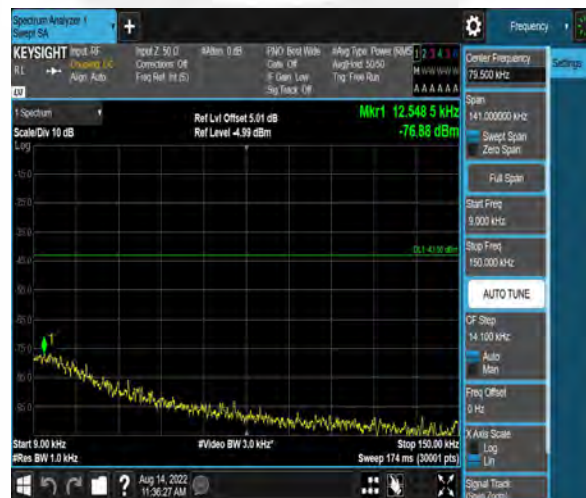




Band5-4233-2-0.15~30MHz



Band5-4233-2-0.009~0.15MHz



Band5-4233-3-3000~10000MHz



Band5-4233-3-0.15~30MHz



Band5-4233-3-10000~18000MHz



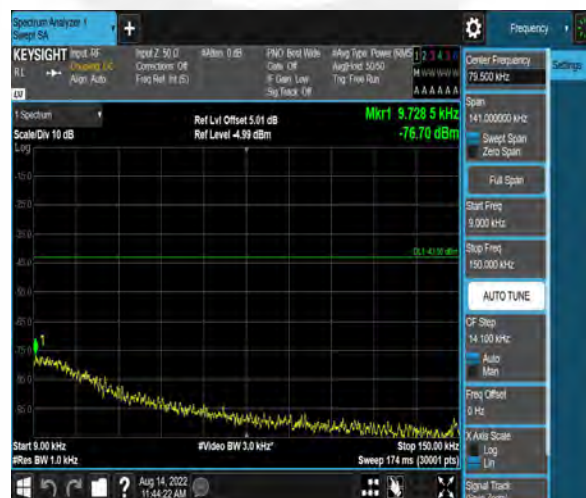
Band5-4233-3-30~1000MHz



Band5-4233-3-1000~3000MHz

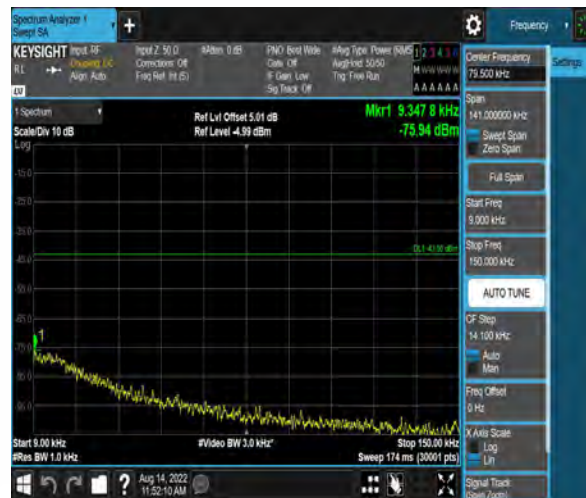


Band5-4233-3-0.009~0.15MHz



Band5-4233-4-0.009~0.15MHz





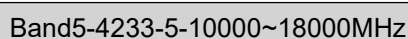
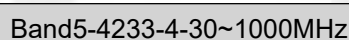
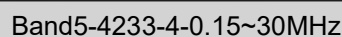
Band5-4233-4-10000~18000MHz

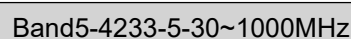
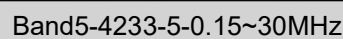
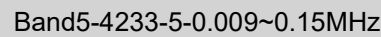


Band5-4233-4-3000~10000MHz



Band5-4233-4-1000~3000MHz









Band5-4233-5-1000~3000MHz



Band5-4233-5-3000~10000MHz



## Appendix F: Frequency Stability

### Test Result

| Voltage |         |               |                  |                |                 |             |         |
|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 4132    | VL            | NT               | 2.12           | 0.002565        | ±2.5        | PASS    |
| Band5   | 4132    | VN            | NT               | 2.02           | 0.002444        | ±2.5        | PASS    |
| Band5   | 4132    | VH            | NT               | 2.26           | 0.002735        | ±2.5        | PASS    |
| Band5   | 4183    | VL            | NT               | -0.40          | -0.000478       | ±2.5        | PASS    |
| Band5   | 4183    | VN            | NT               | -0.54          | -0.000645       | ±2.5        | PASS    |
| Band5   | 4183    | VH            | NT               | -0.26          | -0.000311       | ±2.5        | PASS    |
| Band5   | 4233    | VL            | NT               | -3.33          | -0.003933       | ±2.5        | PASS    |
| Band5   | 4233    | VN            | NT               | -3.28          | -0.003874       | ±2.5        | PASS    |
| Band5   | 4233    | VH            | NT               | -3.61          | -0.004264       | ±2.5        | PASS    |

| Temperature |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 4132    | NV            | -30              | 2.20           | 0.002662        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | -20              | 2.38           | 0.002880        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | -10              | 2.07           | 0.002505        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 0                | 2.49           | 0.003013        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 10               | 2.35           | 0.002844        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 20               | 2.70           | 0.003267        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 30               | 2.73           | 0.003303        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 40               | 2.58           | 0.003122        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 50               | 2.55           | 0.003086        | ±2.5        | PASS    |
| Band5       | 4183    | NV            | -30              | -0.42          | -0.000502       | ±2.5        | PASS    |
| Band5       | 4183    | NV            | -20              | -0.54          | -0.000645       | ±2.5        | PASS    |
| Band5       | 4183    | NV            | -10              | -0.37          | -0.000442       | ±2.5        | PASS    |
| Band5       | 4183    | NV            | 0                | -0.49          | -0.000586       | ±2.5        | PASS    |
| Band5       | 4183    | NV            | 10               | -0.31          | -0.000371       | ±2.5        | PASS    |
| Band5       | 4183    | NV            | 20               | -0.41          | -0.000490       | ±2.5        | PASS    |
| Band5       | 4183    | NV            | 30               | -0.61          | -0.000729       | ±2.5        | PASS    |
| Band5       | 4183    | NV            | 40               | -0.46          | -0.000550       | ±2.5        | PASS    |
| Band5       | 4183    | NV            | 50               | -0.22          | -0.000263       | ±2.5        | PASS    |

|       |      |    |     |       |           |      |      |
|-------|------|----|-----|-------|-----------|------|------|
| Band5 | 4233 | NV | -30 | -3.71 | -0.004382 | ±2.5 | PASS |
| Band5 | 4233 | NV | -20 | -3.11 | -0.003674 | ±2.5 | PASS |
| Band5 | 4233 | NV | -10 | -3.88 | -0.004583 | ±2.5 | PASS |
| Band5 | 4233 | NV | 0   | -3.23 | -0.003815 | ±2.5 | PASS |
| Band5 | 4233 | NV | 10  | -3.74 | -0.004418 | ±2.5 | PASS |
| Band5 | 4233 | NV | 20  | -3.50 | -0.004134 | ±2.5 | PASS |
| Band5 | 4233 | NV | 30  | -3.54 | -0.004181 | ±2.5 | PASS |
| Band5 | 4233 | NV | 40  | -3.38 | -0.003992 | ±2.5 | PASS |
| Band5 | 4233 | NV | 50  | -3.18 | -0.003756 | ±2.5 | PASS |





| Voltage |         |          |               |                  |                |                 |             |         |
|---------|---------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Sub Test | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 4132    | 1        | VL            | NT               | -3.48          | -0.004211       | ±2.5        | PASS    |
| Band5   | 4132    | 1        | VN            | NT               | -3.63          | -0.004393       | ±2.5        | PASS    |
| Band5   | 4132    | 1        | VH            | NT               | -3.47          | -0.004199       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VL            | NT               | -3.39          | -0.004102       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VN            | NT               | -3.43          | -0.004151       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VH            | NT               | -3.66          | -0.004429       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VL            | NT               | -3.38          | -0.004090       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VN            | NT               | -3.71          | -0.004489       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VH            | NT               | -3.74          | -0.004526       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VL            | NT               | -3.09          | -0.003739       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VN            | NT               | -3.70          | -0.004477       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VH            | NT               | -3.39          | -0.004102       | ±2.5        | PASS    |
| Band5   | 4183    | 1        | VL            | NT               | -3.24          | -0.003873       | ±2.5        | PASS    |
| Band5   | 4183    | 1        | VN            | NT               | -3.45          | -0.004124       | ±2.5        | PASS    |
| Band5   | 4183    | 1        | VH            | NT               | -3.66          | -0.004375       | ±2.5        | PASS    |
| Band5   | 4183    | 2        | VL            | NT               | -3.12          | -0.003729       | ±2.5        | PASS    |
| Band5   | 4183    | 2        | VN            | NT               | -3.74          | -0.004470       | ±2.5        | PASS    |
| Band5   | 4183    | 2        | VH            | NT               | -3.81          | -0.004554       | ±2.5        | PASS    |
| Band5   | 4183    | 3        | VL            | NT               | -3.55          | -0.004243       | ±2.5        | PASS    |
| Band5   | 4183    | 3        | VN            | NT               | -3.73          | -0.004459       | ±2.5        | PASS    |
| Band5   | 4183    | 3        | VH            | NT               | -3.42          | -0.004088       | ±2.5        | PASS    |
| Band5   | 4183    | 4        | VL            | NT               | -3.59          | -0.004291       | ±2.5        | PASS    |
| Band5   | 4183    | 4        | VN            | NT               | -3.13          | -0.003741       | ±2.5        | PASS    |
| Band5   | 4183    | 4        | VH            | NT               | -3.65          | -0.004363       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VL            | NT               | -3.57          | -0.004217       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VN            | NT               | -3.58          | -0.004229       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VH            | NT               | -3.55          | -0.004193       | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VL            | NT               | -3.36          | -0.003969       | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VN            | NT               | -3.79          | -0.004477       | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VH            | NT               | -3.97          | -0.004689       | ±2.5        | PASS    |
| Band5   | 4233    | 3        | VL            | NT               | -3.35          | -0.003957       | ±2.5        | PASS    |
| Band5   | 4233    | 3        | VN            | NT               | -3.15          | -0.003721       | ±2.5        | PASS    |
| Band5   | 4233    | 3        | VH            | NT               | -3.81          | -0.004500       | ±2.5        | PASS    |

|       |      |   |    |    |       |           |      |      |
|-------|------|---|----|----|-------|-----------|------|------|
| Band5 | 4233 | 4 | VL | NT | -3.31 | -0.003910 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VN | NT | -3.38 | -0.003992 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VH | NT | -3.25 | -0.003839 | ±2.5 | PASS |

| Temperature |         |          |               |                  |                |                 |             |         |
|-------------|---------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Sub Test | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 4132    | 1        | NV            | -30              | -3.40          | -0.004114       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | -20              | -3.87          | -0.004683       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | -10              | -3.21          | -0.003884       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 0                | -3.62          | -0.004380       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 10               | -3.47          | -0.004199       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 20               | -3.55          | -0.004296       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 30               | -3.40          | -0.004114       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 40               | -3.20          | -0.003872       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 50               | -3.36          | -0.004066       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -30              | -3.61          | -0.004368       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -20              | -3.48          | -0.004211       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -10              | -3.98          | -0.004816       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 0                | -3.44          | -0.004163       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 10               | -3.26          | -0.003945       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 20               | -3.58          | -0.004332       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 30               | -3.25          | -0.003933       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 40               | -4.50          | -0.005445       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 50               | -3.50          | -0.004235       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -30              | -3.19          | -0.003860       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -20              | -3.65          | -0.004417       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -10              | -3.72          | -0.004501       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 0                | -3.13          | -0.003788       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 10               | -4.09          | -0.004949       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 20               | -3.55          | -0.004296       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 30               | -3.68          | -0.004453       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 40               | -3.47          | -0.004199       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 50               | -3.53          | -0.004272       | ±2.5        | PASS    |
| Band5       | 4132    | 4        | NV            | -30              | -3.34          | -0.004042       | ±2.5        | PASS    |
| Band5       | 4132    | 4        | NV            | -20              | -4.00          | -0.004840       | ±2.5        | PASS    |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4132 | 4 | NV | -10 | -3.88 | -0.004695 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 0   | -3.62 | -0.004380 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 10  | -3.51 | -0.004247 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 20  | -3.18 | -0.003848 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 30  | -3.40 | -0.004114 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 40  | -3.57 | -0.004320 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 50  | -3.89 | -0.004707 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | -30 | -3.62 | -0.004327 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | -20 | -3.35 | -0.004004 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | -10 | -3.37 | -0.004028 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 0   | -3.69 | -0.004411 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 10  | -3.22 | -0.003849 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 20  | -3.34 | -0.003992 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 30  | -3.65 | -0.004363 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 40  | -3.27 | -0.003909 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 50  | -3.61 | -0.004315 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | -30 | -3.33 | -0.003980 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | -20 | -4.16 | -0.004973 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | -10 | -3.53 | -0.004219 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 0   | -3.26 | -0.003897 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 10  | -3.57 | -0.004267 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 20  | -3.84 | -0.004590 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 30  | -3.04 | -0.003634 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 40  | -3.63 | -0.004339 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 50  | -3.60 | -0.004303 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | -30 | -3.88 | -0.004638 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | -20 | -3.47 | -0.004148 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | -10 | -3.55 | -0.004243 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 0   | -3.70 | -0.004423 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 10  | -3.72 | -0.004447 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 20  | -3.20 | -0.003825 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 30  | -3.36 | -0.004016 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 40  | -3.36 | -0.004016 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 50  | -3.48 | -0.004160 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | -30 | -3.71 | -0.004435 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | -20 | -3.47 | -0.004148 | ±2.5 | PASS |



|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4183 | 4 | NV | -10 | -3.52 | -0.004208 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 0   | -3.48 | -0.004160 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 10  | -3.72 | -0.004447 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 20  | -3.63 | -0.004339 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 30  | -4.15 | -0.004961 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 40  | -3.36 | -0.004016 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 50  | -3.43 | -0.004100 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -30 | -3.45 | -0.004075 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -20 | -3.64 | -0.004300 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -10 | -3.67 | -0.004335 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 0   | -3.65 | -0.004311 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 10  | -3.68 | -0.004347 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 20  | -3.39 | -0.004004 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 30  | -3.58 | -0.004229 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 40  | -3.09 | -0.003650 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 50  | -3.61 | -0.004264 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -30 | -3.48 | -0.004111 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -20 | -3.45 | -0.004075 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -10 | -3.48 | -0.004111 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 0   | -3.68 | -0.004347 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 10  | -3.60 | -0.004252 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 20  | -3.88 | -0.004583 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 30  | -3.63 | -0.004288 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 40  | -3.61 | -0.004264 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 50  | -3.55 | -0.004193 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -30 | -3.18 | -0.003756 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -20 | -3.08 | -0.003638 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -10 | -3.38 | -0.003992 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 0   | -3.32 | -0.003922 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 10  | -3.96 | -0.004678 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 20  | -3.62 | -0.004276 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 30  | -3.59 | -0.004240 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 40  | -3.86 | -0.004559 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 50  | -3.95 | -0.004666 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -30 | -3.55 | -0.004193 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -20 | -3.48 | -0.004111 | ±2.5 | PASS |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4233 | 4 | NV | -10 | -3.41 | -0.004028 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 0   | -3.39 | -0.004004 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 10  | -3.45 | -0.004075 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 20  | -2.78 | -0.003284 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 30  | -3.38 | -0.003992 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 40  | -3.65 | -0.004311 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 50  | -3.35 | -0.003957 | ±2.5 | PASS |



| Voltage |         |          |               |                  |                |                 |             |         |
|---------|---------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Sub Test | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 4132    | 1        | VL            | NT               | -3.88          | -0.004695       | ±2.5        | PASS    |
| Band5   | 4132    | 1        | VN            | NT               | -4.16          | -0.005034       | ±2.5        | PASS    |
| Band5   | 4132    | 1        | VH            | NT               | -3.91          | -0.004731       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VL            | NT               | -3.52          | -0.004259       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VN            | NT               | -3.25          | -0.003933       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VH            | NT               | -3.34          | -0.004042       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VL            | NT               | -3.65          | -0.004417       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VN            | NT               | -3.70          | -0.004477       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VH            | NT               | -3.65          | -0.004417       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VL            | NT               | -3.79          | -0.004586       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VN            | NT               | -3.64          | -0.004405       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VH            | NT               | -3.85          | -0.004659       | ±2.5        | PASS    |
| Band5   | 4132    | 5        | VL            | NT               | -3.50          | -0.004235       | ±2.5        | PASS    |
| Band5   | 4132    | 5        | VN            | NT               | -3.93          | -0.004756       | ±2.5        | PASS    |
| Band5   | 4132    | 5        | VH            | NT               | -3.36          | -0.004066       | ±2.5        | PASS    |
| Band5   | 4183    | 1        | VL            | NT               | -3.45          | -0.004124       | ±2.5        | PASS    |
| Band5   | 4183    | 1        | VN            | NT               | -3.36          | -0.004016       | ±2.5        | PASS    |
| Band5   | 4183    | 1        | VH            | NT               | -4.32          | -0.005164       | ±2.5        | PASS    |
| Band5   | 4183    | 2        | VL            | NT               | -3.43          | -0.004100       | ±2.5        | PASS    |
| Band5   | 4183    | 2        | VN            | NT               | -3.50          | -0.004184       | ±2.5        | PASS    |
| Band5   | 4183    | 2        | VH            | NT               | -3.46          | -0.004136       | ±2.5        | PASS    |
| Band5   | 4183    | 3        | VL            | NT               | -3.62          | -0.004327       | ±2.5        | PASS    |
| Band5   | 4183    | 3        | VN            | NT               | -3.68          | -0.004399       | ±2.5        | PASS    |
| Band5   | 4183    | 3        | VH            | NT               | -3.30          | -0.003945       | ±2.5        | PASS    |
| Band5   | 4183    | 4        | VL            | NT               | -3.58          | -0.004279       | ±2.5        | PASS    |
| Band5   | 4183    | 4        | VN            | NT               | -3.74          | -0.004470       | ±2.5        | PASS    |
| Band5   | 4183    | 4        | VH            | NT               | -3.69          | -0.004411       | ±2.5        | PASS    |
| Band5   | 4183    | 5        | VL            | NT               | -3.45          | -0.004124       | ±2.5        | PASS    |
| Band5   | 4183    | 5        | VN            | NT               | -3.71          | -0.004435       | ±2.5        | PASS    |
| Band5   | 4183    | 5        | VH            | NT               | -3.50          | -0.004184       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VL            | NT               | -3.55          | -0.004193       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VN            | NT               | -3.39          | -0.004004       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VH            | NT               | -3.57          | -0.004217       | ±2.5        | PASS    |

|       |      |   |    |    |       |           |      |      |
|-------|------|---|----|----|-------|-----------|------|------|
| Band5 | 4233 | 2 | VL | NT | -3.76 | -0.004441 | ±2.5 | PASS |
| Band5 | 4233 | 2 | VN | NT | -3.98 | -0.004701 | ±2.5 | PASS |
| Band5 | 4233 | 2 | VH | NT | -3.53 | -0.004170 | ±2.5 | PASS |
| Band5 | 4233 | 3 | VL | NT | -3.28 | -0.003874 | ±2.5 | PASS |
| Band5 | 4233 | 3 | VN | NT | -3.54 | -0.004181 | ±2.5 | PASS |
| Band5 | 4233 | 3 | VH | NT | -3.96 | -0.004678 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VL | NT | -3.42 | -0.004040 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VN | NT | -3.63 | -0.004288 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VH | NT | -3.44 | -0.004063 | ±2.5 | PASS |
| Band5 | 4233 | 5 | VL | NT | -3.83 | -0.004524 | ±2.5 | PASS |
| Band5 | 4233 | 5 | VN | NT | -3.79 | -0.004477 | ±2.5 | PASS |
| Band5 | 4233 | 5 | VH | NT | -3.56 | -0.004205 | ±2.5 | PASS |

| Temperature |         |          |               |                  |                |                 |             |         |
|-------------|---------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Sub Test | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 4132    | 1        | NV            | -30              | -4.03          | -0.004877       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | -20              | -3.76          | -0.004550       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | -10              | -3.71          | -0.004489       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 0                | -3.71          | -0.004489       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 10               | -3.68          | -0.004453       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 20               | -3.26          | -0.003945       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 30               | -3.63          | -0.004393       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 40               | -3.35          | -0.004054       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 50               | -3.48          | -0.004211       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -30              | -3.55          | -0.004296       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -20              | -3.63          | -0.004393       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -10              | -3.53          | -0.004272       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 0                | -3.83          | -0.004635       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 10               | -3.55          | -0.004296       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 20               | -3.63          | -0.004393       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 30               | -3.51          | -0.004247       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 40               | -3.76          | -0.004550       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 50               | -3.45          | -0.004175       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -30              | -3.30          | -0.003993       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -20              | -3.53          | -0.004272       | ±2.5        | PASS    |



|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4132 | 3 | NV | -10 | -3.49 | -0.004223 | ±2.5 | PASS |
| Band5 | 4132 | 3 | NV | 0   | -3.40 | -0.004114 | ±2.5 | PASS |
| Band5 | 4132 | 3 | NV | 10  | -3.51 | -0.004247 | ±2.5 | PASS |
| Band5 | 4132 | 3 | NV | 20  | -3.65 | -0.004417 | ±2.5 | PASS |
| Band5 | 4132 | 3 | NV | 30  | -3.88 | -0.004695 | ±2.5 | PASS |
| Band5 | 4132 | 3 | NV | 40  | -3.41 | -0.004126 | ±2.5 | PASS |
| Band5 | 4132 | 3 | NV | 50  | -3.53 | -0.004272 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | -30 | -3.18 | -0.003848 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | -20 | -3.54 | -0.004284 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | -10 | -3.68 | -0.004453 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 0   | -3.71 | -0.004489 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 10  | -3.37 | -0.004078 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 20  | -3.71 | -0.004489 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 30  | -3.87 | -0.004683 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 40  | -3.66 | -0.004429 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 50  | -3.30 | -0.003993 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | -30 | -3.71 | -0.004489 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | -20 | -3.78 | -0.004574 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | -10 | -3.53 | -0.004272 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 0   | -3.48 | -0.004211 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 10  | -3.93 | -0.004756 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 20  | -3.58 | -0.004332 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 30  | -3.30 | -0.003993 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 40  | -3.90 | -0.004719 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 50  | -3.61 | -0.004368 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | -30 | -3.81 | -0.004554 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | -20 | -3.59 | -0.004291 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | -10 | -3.60 | -0.004303 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 0   | -3.79 | -0.004530 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 10  | -3.50 | -0.004184 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 20  | -3.64 | -0.004351 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 30  | -3.74 | -0.004470 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 40  | -3.45 | -0.004124 | ±2.5 | PASS |
| Band5 | 4183 | 1 | NV | 50  | -3.68 | -0.004399 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | -30 | -3.73 | -0.004459 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | -20 | -3.77 | -0.004506 | ±2.5 | PASS |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4183 | 2 | NV | -10 | -3.29 | -0.003933 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 0   | -3.83 | -0.004578 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 10  | -3.67 | -0.004387 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 20  | -3.83 | -0.004578 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 30  | -3.48 | -0.004160 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 40  | -3.40 | -0.004064 | ±2.5 | PASS |
| Band5 | 4183 | 2 | NV | 50  | -3.65 | -0.004363 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | -30 | -3.55 | -0.004243 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | -20 | -3.54 | -0.004231 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | -10 | -3.60 | -0.004303 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 0   | -3.37 | -0.004028 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 10  | -3.69 | -0.004411 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 20  | -3.63 | -0.004339 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 30  | -3.39 | -0.004052 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 40  | -3.85 | -0.004602 | ±2.5 | PASS |
| Band5 | 4183 | 3 | NV | 50  | -3.45 | -0.004124 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | -30 | -3.43 | -0.004100 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | -20 | -3.10 | -0.003705 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | -10 | -3.35 | -0.004004 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 0   | -3.53 | -0.004219 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 10  | -3.18 | -0.003801 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 20  | -3.53 | -0.004219 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 30  | -3.43 | -0.004100 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 40  | -3.53 | -0.004219 | ±2.5 | PASS |
| Band5 | 4183 | 4 | NV | 50  | -3.91 | -0.004674 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | -30 | -3.77 | -0.004506 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | -20 | -3.13 | -0.003741 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | -10 | -3.39 | -0.004052 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | 0   | -3.62 | -0.004327 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | 10  | -3.35 | -0.004004 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | 20  | -3.35 | -0.004004 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | 30  | -3.77 | -0.004506 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | 40  | -3.55 | -0.004243 | ±2.5 | PASS |
| Band5 | 4183 | 5 | NV | 50  | -3.76 | -0.004494 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -30 | -3.69 | -0.004359 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -20 | -3.55 | -0.004193 | ±2.5 | PASS |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4233 | 1 | NV | -10 | -3.65 | -0.004311 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 0   | -3.81 | -0.004500 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 10  | -3.58 | -0.004229 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 20  | -3.65 | -0.004311 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 30  | -3.41 | -0.004028 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 40  | -3.58 | -0.004229 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 50  | -3.62 | -0.004276 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -30 | -3.48 | -0.004111 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -20 | -3.57 | -0.004217 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -10 | -3.53 | -0.004170 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 0   | -3.36 | -0.003969 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 10  | -3.39 | -0.004004 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 20  | -3.35 | -0.003957 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 30  | -3.71 | -0.004382 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 40  | -3.49 | -0.004122 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 50  | -3.66 | -0.004323 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -30 | -3.52 | -0.004158 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -20 | -3.68 | -0.004347 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -10 | -3.58 | -0.004229 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 0   | -3.56 | -0.004205 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 10  | -3.96 | -0.004678 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 20  | -3.43 | -0.004052 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 30  | -3.78 | -0.004465 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 40  | -3.58 | -0.004229 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 50  | -3.12 | -0.003685 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -30 | -3.46 | -0.004087 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -20 | -3.58 | -0.004229 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -10 | -3.58 | -0.004229 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 0   | -3.38 | -0.003992 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 10  | -3.75 | -0.004429 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 20  | -3.50 | -0.004134 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 30  | -3.36 | -0.003969 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 40  | -3.58 | -0.004229 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 50  | -3.53 | -0.004170 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | -30 | -3.30 | -0.003898 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | -20 | -3.45 | -0.004075 | ±2.5 | PASS |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4233 | 5 | NV | -10 | -3.95 | -0.004666 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 0   | -3.63 | -0.004288 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 10  | -3.16 | -0.003733 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 20  | -3.73 | -0.004406 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 30  | -3.86 | -0.004559 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 40  | -3.75 | -0.004429 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 50  | -3.72 | -0.004394 | ±2.5 | PASS |

