

## **Appendix for WCDMA B2& WCDMA B4& WCDMA B5**

Product Name: Mobile Phone  
Model No: IDOL

## Appendix A: Average Power Output Data

### Test Result

| Band  | Channel | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|------------|------------|---------|
| Band2 | 9262    | 21.26      | 33.01      | PASS    |
| Band2 | 9400    | 21.23      | 33.01      | PASS    |
| Band2 | 9538    | 21.08      | 33.01      | PASS    |
| Band4 | 1312    | 21.98      | 30.00      | PASS    |
| Band4 | 1413    | 21.95      | 30.00      | PASS    |
| Band4 | 1513    | 21.83      | 30.00      | PASS    |
| Band5 | 4132    | 22.26      | 38.45      | PASS    |
| Band5 | 4182    | 22.04      | 38.45      | PASS    |
| Band5 | 4233    | 21.98      | 38.45      | PASS    |

| Band  | Channel | SubTest | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|---------|------------|------------|---------|
| Band2 | 9262    | 1       | 20.94      | 33.01      | PASS    |
| Band2 | 9400    | 1       | 21.17      | 33.01      | PASS    |
| Band2 | 9538    | 1       | 20.63      | 33.01      | PASS    |
| Band2 | 9262    | 2       | 20.69      | 33.01      | PASS    |
| Band2 | 9400    | 2       | 20.94      | 33.01      | PASS    |
| Band2 | 9538    | 2       | 20.42      | 33.01      | PASS    |
| Band2 | 9262    | 3       | 20.45      | 33.01      | PASS    |
| Band2 | 9400    | 3       | 20.75      | 33.01      | PASS    |
| Band2 | 9538    | 3       | 20.25      | 33.01      | PASS    |
| Band2 | 9262    | 4       | 20.50      | 33.01      | PASS    |
| Band2 | 9400    | 4       | 20.71      | 33.01      | PASS    |
| Band2 | 9538    | 4       | 20.29      | 33.01      | PASS    |
| Band4 | 1312    | 1       | 21.71      | 30.00      | PASS    |
| Band4 | 1413    | 1       | 21.80      | 30.00      | PASS    |
| Band4 | 1513    | 1       | 21.52      | 30.00      | PASS    |
| Band4 | 1312    | 2       | 21.84      | 30.00      | PASS    |
| Band4 | 1413    | 2       | 21.91      | 30.00      | PASS    |
| Band4 | 1513    | 2       | 21.69      | 30.00      | PASS    |
| Band4 | 1312    | 3       | 21.84      | 30.00      | PASS    |
| Band4 | 1413    | 3       | 21.93      | 30.00      | PASS    |
| Band4 | 1513    | 3       | 21.67      | 30.00      | PASS    |
| Band4 | 1312    | 4       | 21.87      | 30.00      | PASS    |
| Band4 | 1413    | 4       | 21.90      | 30.00      | PASS    |
| Band4 | 1513    | 4       | 21.71      | 30.00      | PASS    |
| Band5 | 4132    | 1       | 21.78      | 38.5       | PASS    |
| Band5 | 4182    | 1       | 21.28      | 38.5       | PASS    |

|       |      |   |       |      |      |
|-------|------|---|-------|------|------|
| Band5 | 4233 | 1 | 21.09 | 38.5 | PASS |
| Band5 | 4132 | 2 | 21.58 | 38.5 | PASS |
| Band5 | 4182 | 2 | 20.99 | 38.5 | PASS |
| Band5 | 4233 | 2 | 21.06 | 38.5 | PASS |
| Band5 | 4132 | 3 | 20.98 | 38.5 | PASS |
| Band5 | 4182 | 3 | 20.59 | 38.5 | PASS |
| Band5 | 4233 | 3 | 20.51 | 38.5 | PASS |
| Band5 | 4132 | 4 | 21.02 | 38.5 | PASS |
| Band5 | 4182 | 4 | 20.58 | 38.5 | PASS |
| Band5 | 4233 | 4 | 20.51 | 38.5 | PASS |

| Band  | Channel | SubTest | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|---------|------------|------------|---------|
| Band2 | 9262    | 1       | 18.92      | 33.01      | PASS    |
| Band2 | 9400    | 1       | 19.26      | 33.01      | PASS    |
| Band2 | 9538    | 1       | 18.86      | 33.01      | PASS    |
| Band2 | 9262    | 2       | 18.82      | 33.01      | PASS    |
| Band2 | 9400    | 2       | 19.05      | 33.01      | PASS    |
| Band2 | 9538    | 2       | 18.80      | 33.01      | PASS    |
| Band2 | 9262    | 3       | 19.28      | 33.01      | PASS    |
| Band2 | 9400    | 3       | 19.59      | 33.01      | PASS    |
| Band2 | 9538    | 3       | 19.21      | 33.01      | PASS    |
| Band2 | 9262    | 4       | 19.35      | 33.01      | PASS    |
| Band2 | 9400    | 4       | 19.41      | 33.01      | PASS    |
| Band2 | 9538    | 4       | 19.08      | 33.01      | PASS    |
| Band2 | 9262    | 5       | 20.78      | 33.01      | PASS    |
| Band2 | 9400    | 5       | 21.19      | 33.01      | PASS    |
| Band2 | 9538    | 5       | 20.67      | 33.01      | PASS    |
| Band4 | 1312    | 1       | 21.71      | 30.00      | PASS    |
| Band4 | 1413    | 1       | 21.85      | 30.00      | PASS    |
| Band4 | 1513    | 1       | 21.60      | 30.00      | PASS    |
| Band4 | 1312    | 2       | 21.27      | 30.00      | PASS    |
| Band4 | 1413    | 2       | 21.45      | 30.00      | PASS    |
| Band4 | 1513    | 2       | 21.11      | 30.00      | PASS    |
| Band4 | 1312    | 3       | 21.80      | 30.00      | PASS    |
| Band4 | 1413    | 3       | 21.91      | 30.00      | PASS    |
| Band4 | 1513    | 3       | 21.66      | 30.00      | PASS    |
| Band4 | 1312    | 4       | 21.88      | 30.00      | PASS    |
| Band4 | 1413    | 4       | 21.73      | 30.00      | PASS    |
| Band4 | 1513    | 4       | 21.53      | 30.00      | PASS    |
| Band4 | 1312    | 5       | 21.70      | 30.00      | PASS    |
| Band4 | 1413    | 5       | 21.82      | 30.00      | PASS    |
| Band4 | 1513    | 5       | 21.65      | 30.00      | PASS    |

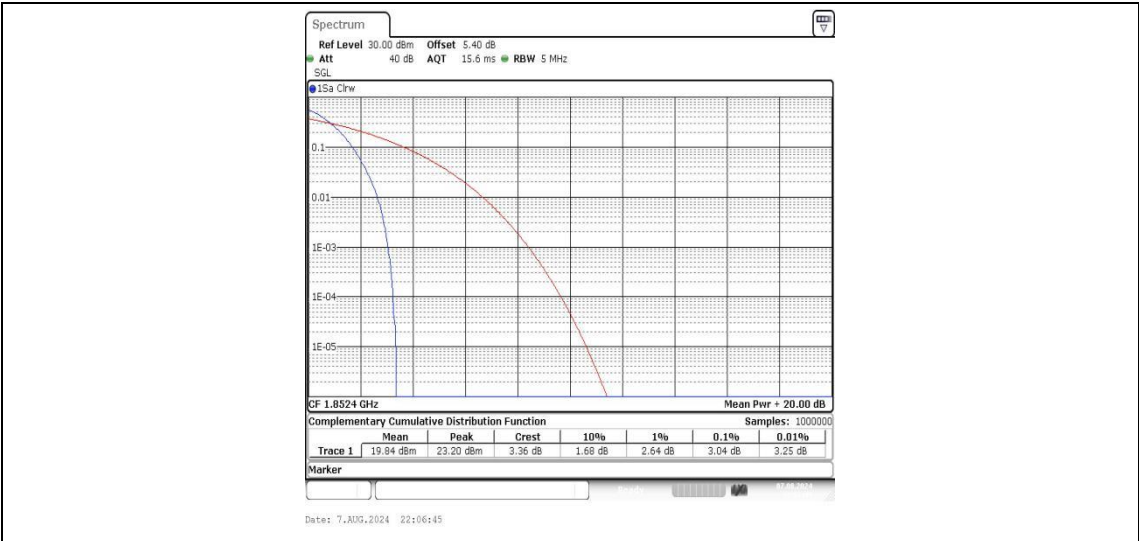
|       |      |   |       |      |      |
|-------|------|---|-------|------|------|
| Band5 | 4132 | 1 | 20.01 | 38.5 | PASS |
| Band5 | 4182 | 1 | 19.46 | 38.5 | PASS |
| Band5 | 4233 | 1 | 19.43 | 38.5 | PASS |
| Band5 | 4132 | 2 | 20.44 | 38.5 | PASS |
| Band5 | 4182 | 2 | 20.07 | 38.5 | PASS |
| Band5 | 4233 | 2 | 20.03 | 38.5 | PASS |
| Band5 | 4132 | 3 | 20.04 | 38.5 | PASS |
| Band5 | 4182 | 3 | 19.52 | 38.5 | PASS |
| Band5 | 4233 | 3 | 19.50 | 38.5 | PASS |
| Band5 | 4132 | 4 | 19.62 | 38.5 | PASS |
| Band5 | 4182 | 4 | 19.07 | 38.5 | PASS |
| Band5 | 4233 | 4 | 19.05 | 38.5 | PASS |
| Band5 | 4132 | 5 | 21.45 | 38.5 | PASS |
| Band5 | 4182 | 5 | 21.54 | 38.5 | PASS |
| Band5 | 4233 | 5 | 21.37 | 38.5 | PASS |

## Appendix B: Peak-to-Average Ratio

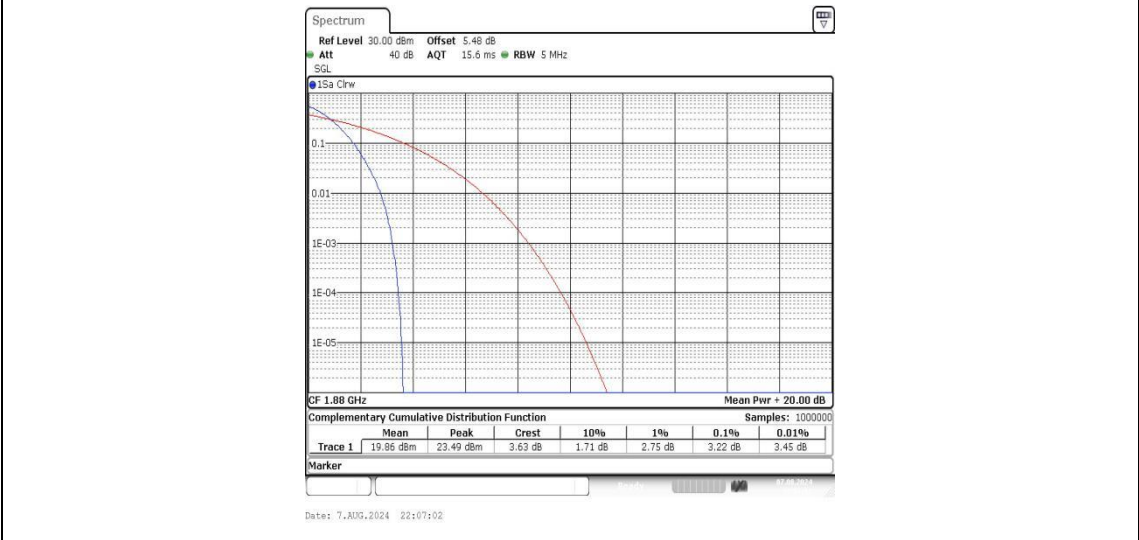
### Test Result

| Band  | Channel | Peak-to-Average Ratio(dB) | Limit(dBm) | Verdict |
|-------|---------|---------------------------|------------|---------|
| Band2 | 9262    | 3.04                      | 13         | PASS    |
| Band2 | 9400    | 3.22                      | 13         | PASS    |
| Band2 | 9538    | 3.16                      | 13         | PASS    |
| Band4 | 1312    | 3.45                      | 13         | PASS    |
| Band4 | 1413    | 3.45                      | 13         | PASS    |
| Band4 | 1513    | 3.42                      | 13         | PASS    |
| Band5 | 4132    | 3.3                       | 13         | PASS    |
| Band5 | 4182    | 3.25                      | 13         | PASS    |
| Band5 | 4233    | 3.28                      | 13         | PASS    |

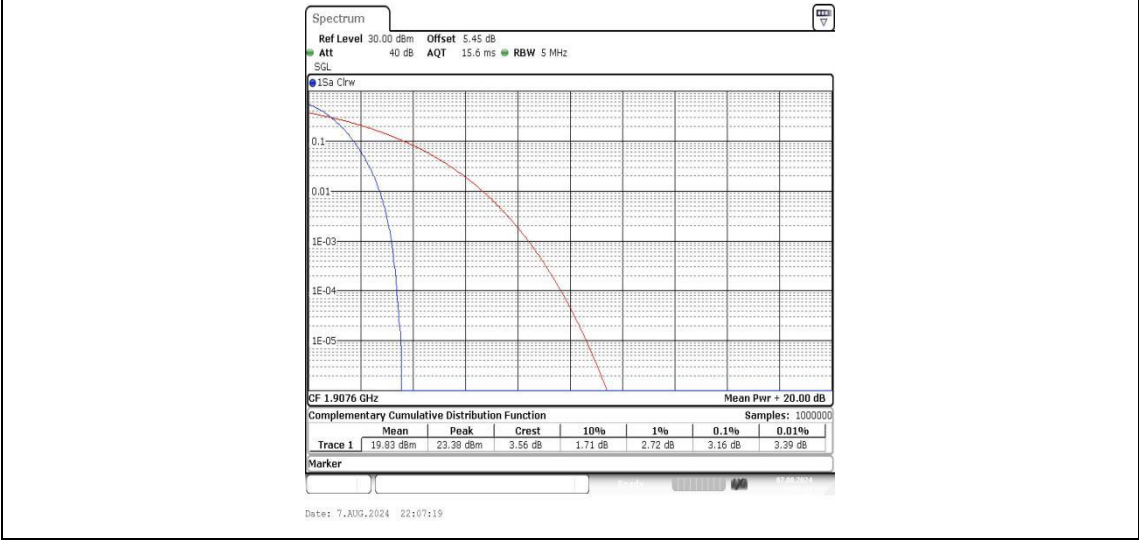
Test Graphs



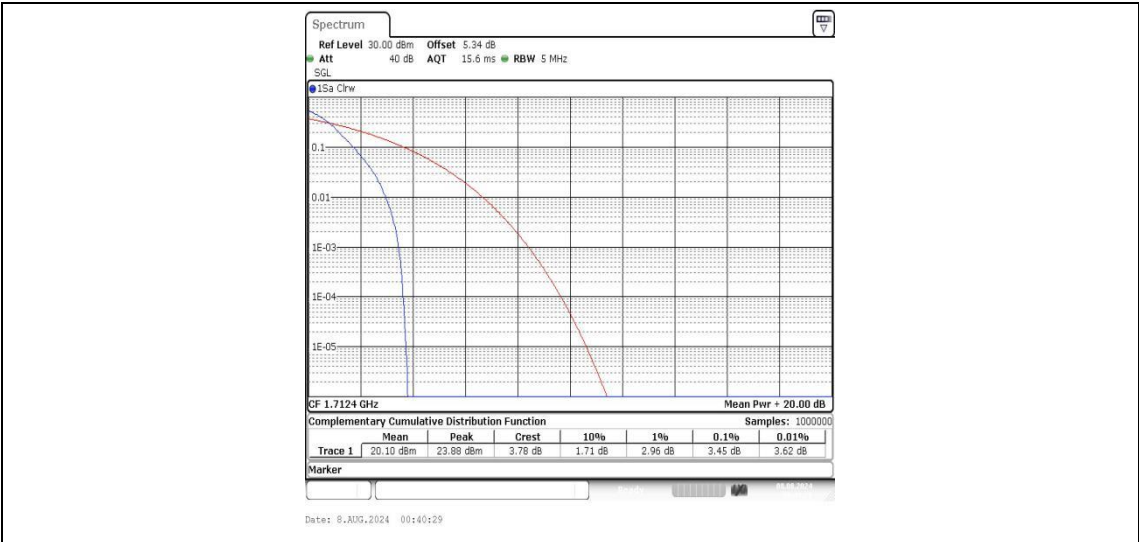
Band2-9262-PASS



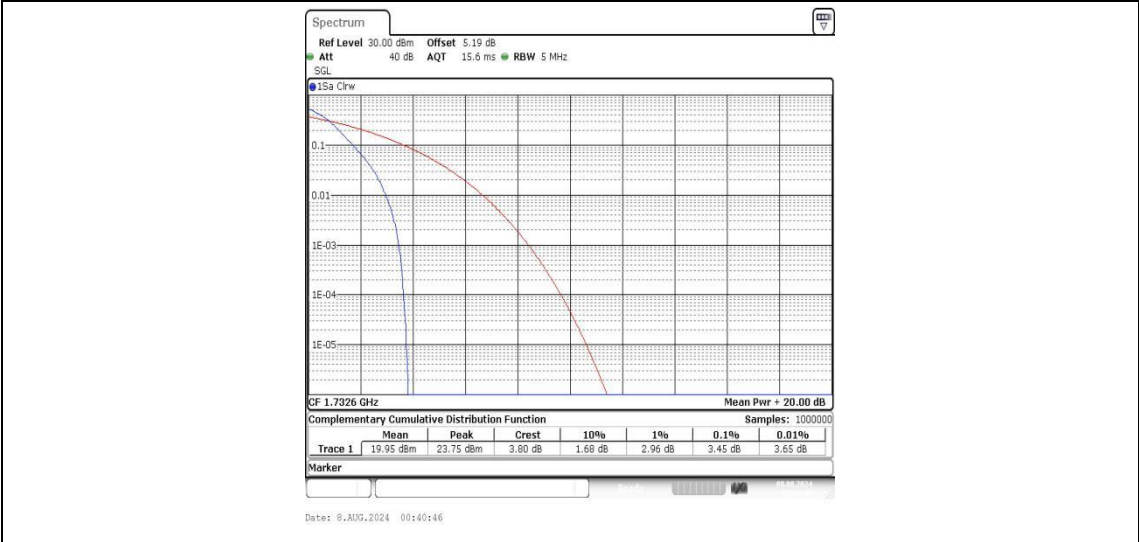
Band2-9400-PASS



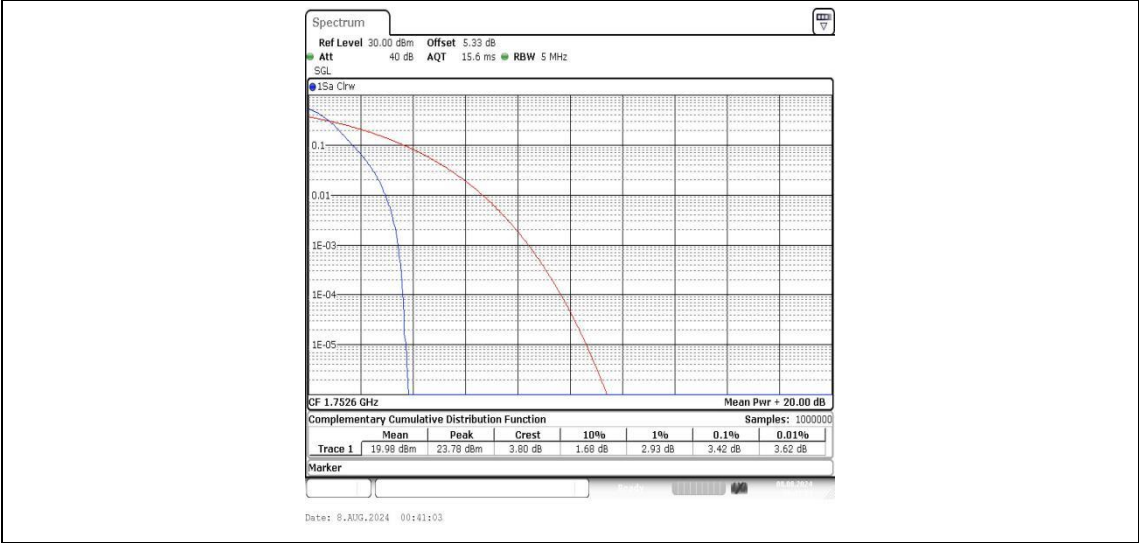
Band2-9538-PASS



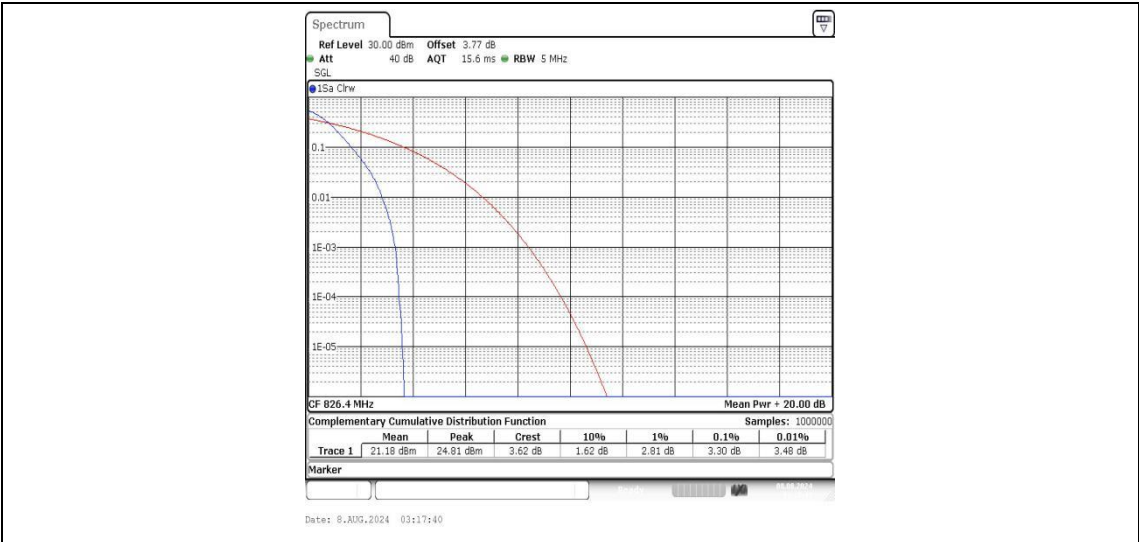
Band4-1312-PASS



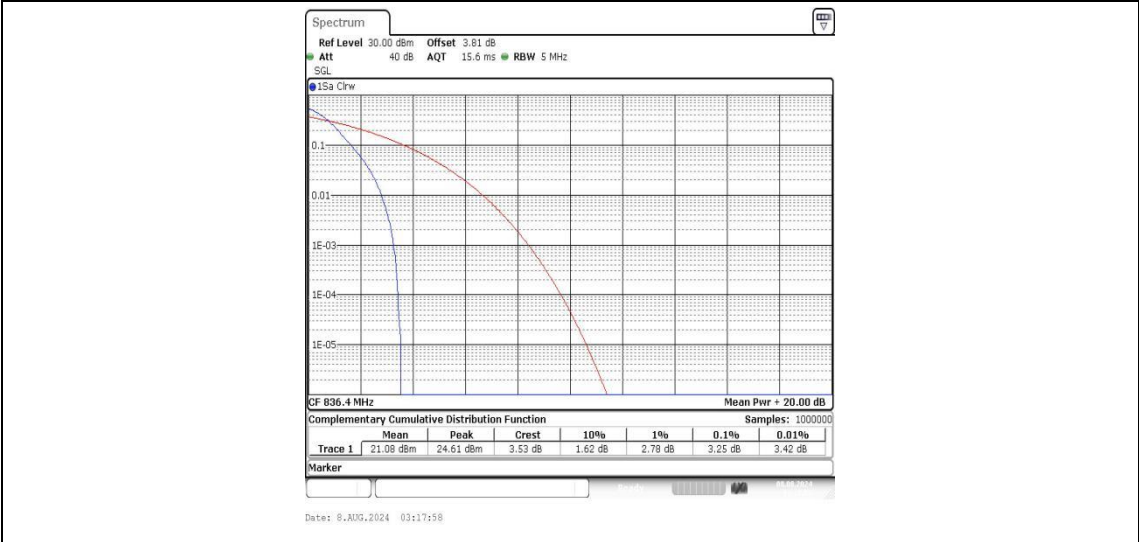
Band4-1413-PASS



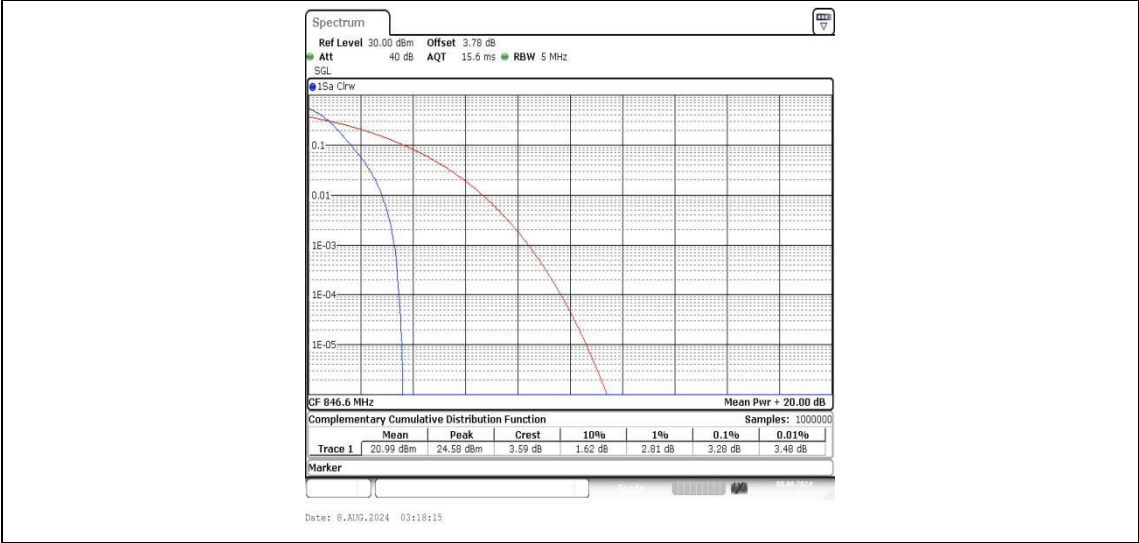
Band4-1513-PASS



Band5-4132-PASS



Band5-4182-PASS



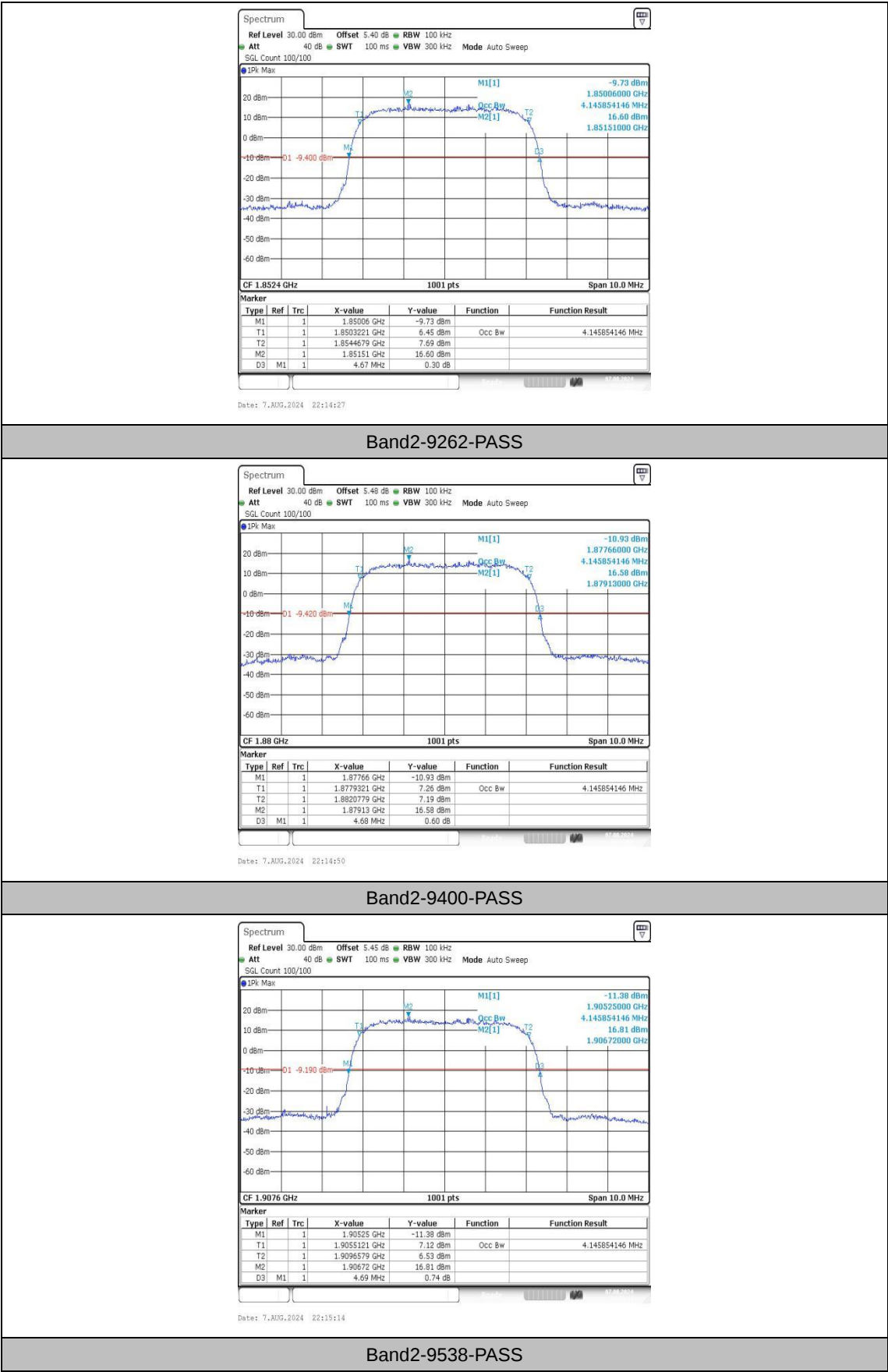
Band5-4233-PASS

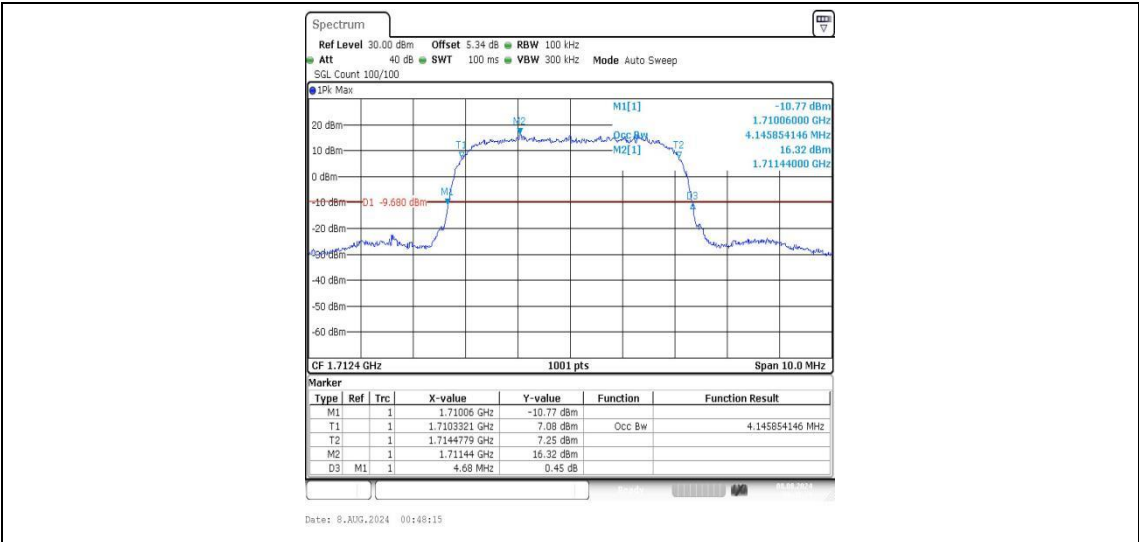
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

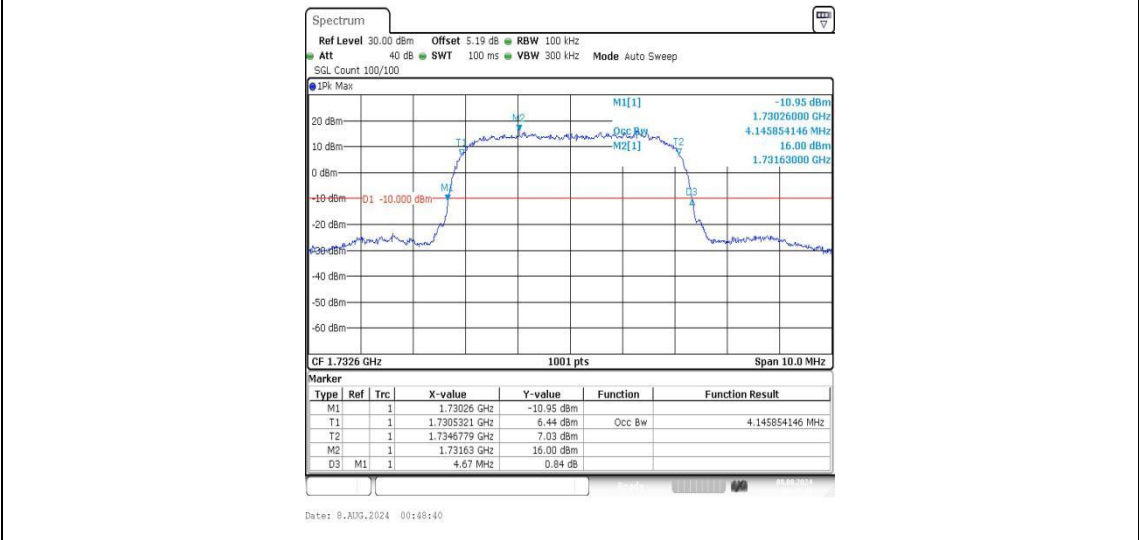
| Band  | Channel | Occupied Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Limit(MHz) | Verdict |
|-------|---------|-----------------------------|-------------------------|------------|---------|
| Band2 | 9262    | 4.146                       | 4.67                    | ---        | PASS    |
| Band2 | 9400    | 4.146                       | 4.68                    | ---        | PASS    |
| Band2 | 9538    | 4.146                       | 4.69                    | ---        | PASS    |
| Band4 | 1312    | 4.146                       | 4.68                    | ---        | PASS    |
| Band4 | 1413    | 4.146                       | 4.67                    | ---        | PASS    |
| Band4 | 1513    | 4.156                       | 4.66                    | ---        | PASS    |
| Band5 | 4132    | 4.156                       | 4.68                    | ---        | PASS    |
| Band5 | 4182    | 4.156                       | 4.68                    | ---        | PASS    |
| Band5 | 4233    | 4.156                       | 4.69                    | ---        | PASS    |

Test Graphs

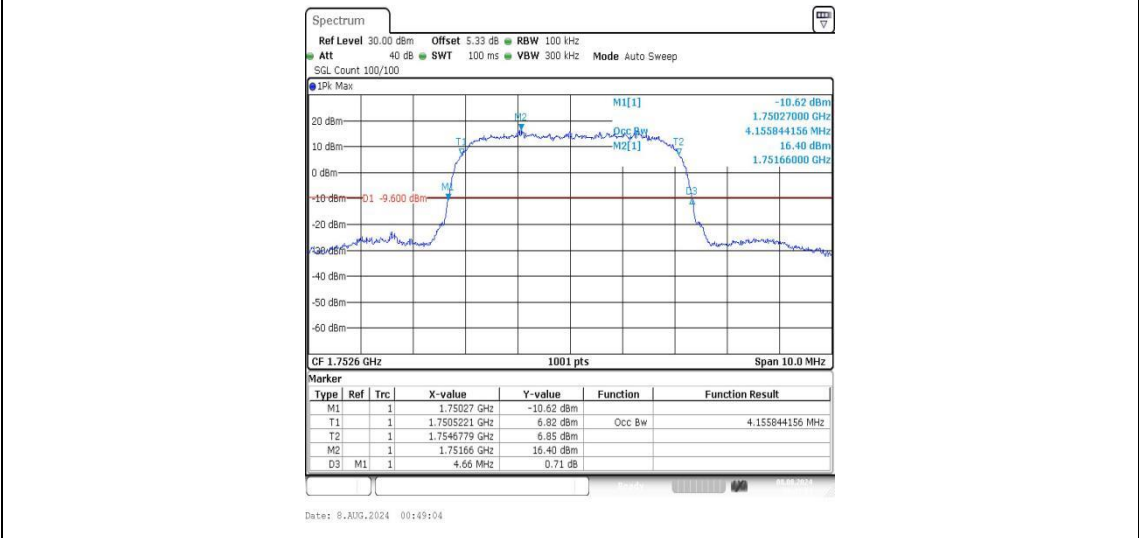




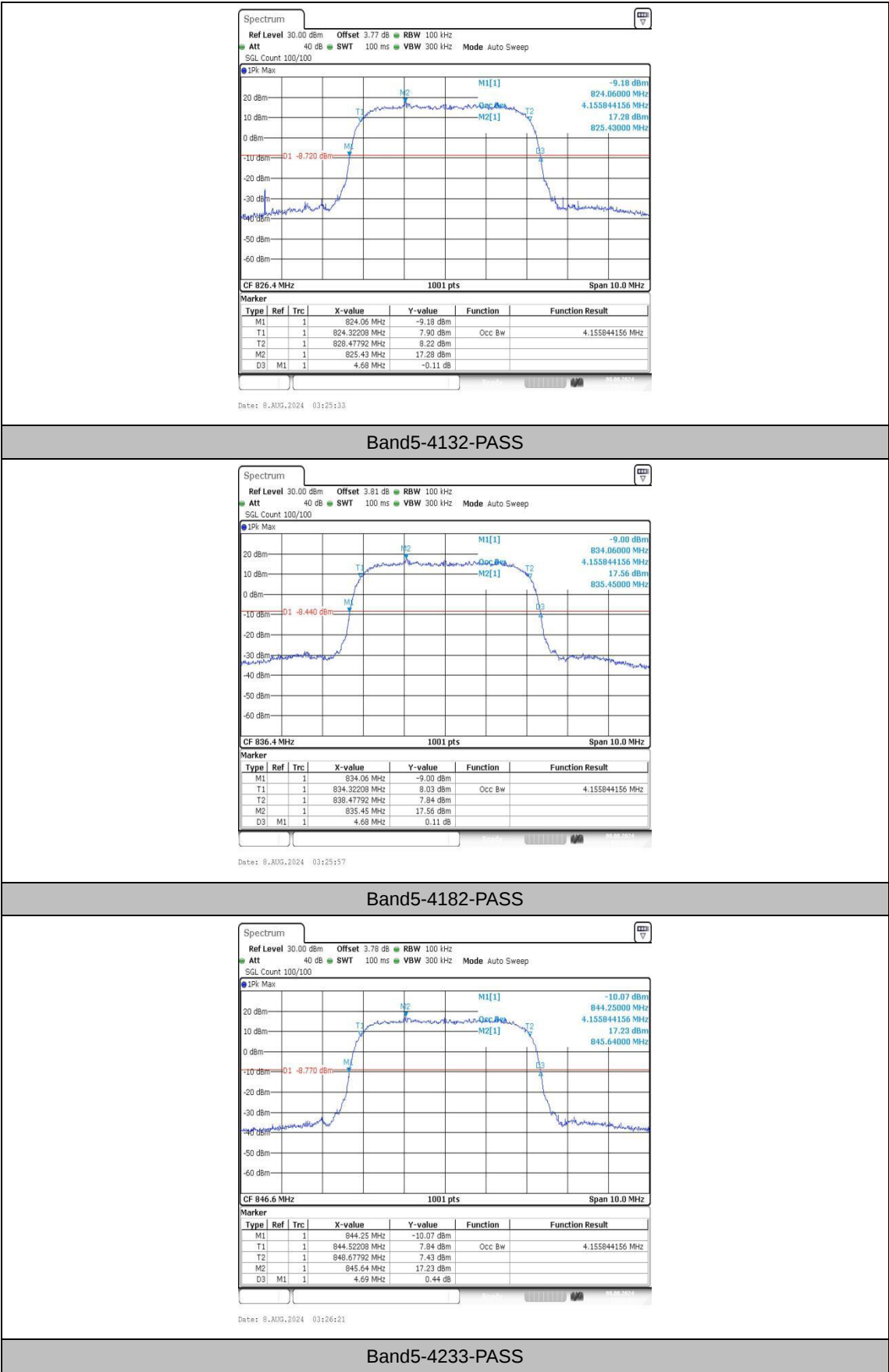
Band4-1312-PASS



Band4-1413-PASS



Band4-1513-PASS

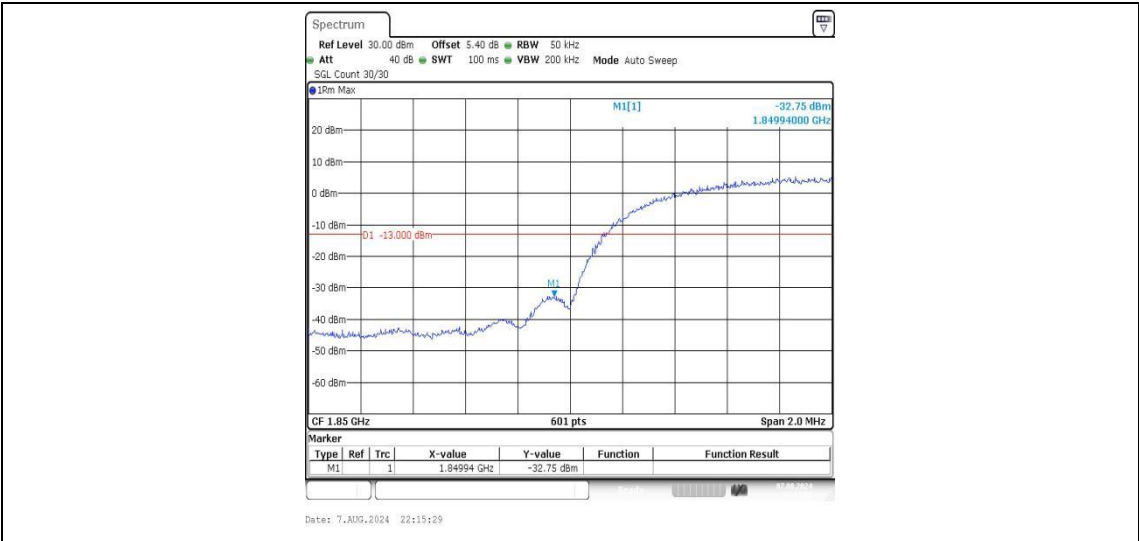


## Appendix D: Band Edge

### Test Result

| Band  | Channel | Frequency (MHz) | Result (dBm) | Limit(dBm) | Verdict |
|-------|---------|-----------------|--------------|------------|---------|
| Band2 | 9262    | 1849.94         | -32.75       | -13        | PASS    |
| Band2 | 9538    | 1910.06         | -31.12       | -13        | PASS    |
| Band4 | 1312    | 1709.96         | -28.11       | -13        | PASS    |
| Band4 | 1513    | 1755.06         | -28.82       | -13        | PASS    |
| Band5 | 4132    | 823.94          | -31.47       | -13        | PASS    |
| Band5 | 4233    | 849.08          | -32.02       | -13        | PASS    |

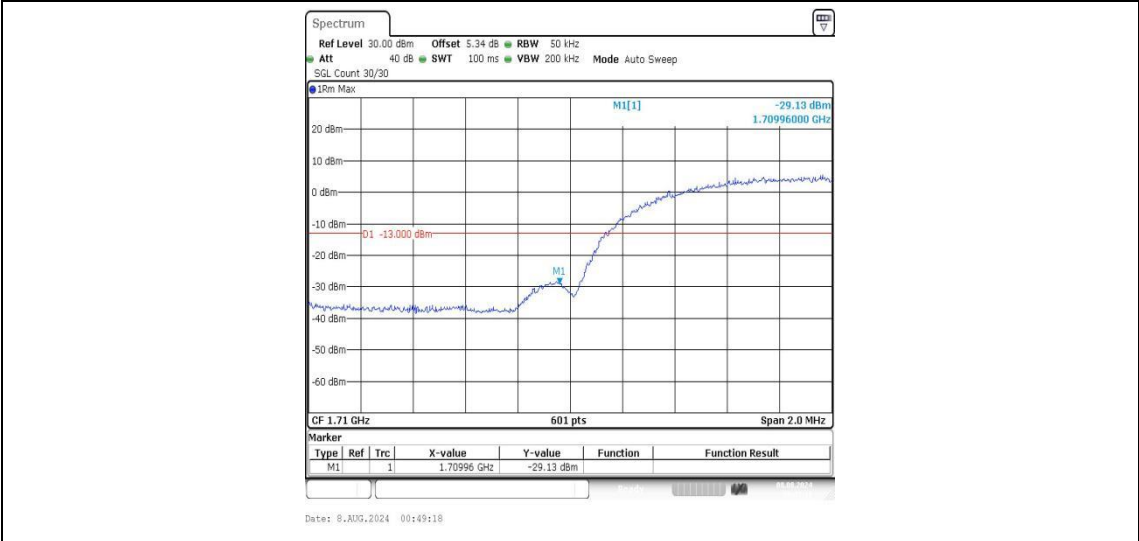
Test Graphs



Band2-9262-PASS



Band2-9538-PASS



Band4-1312-PASS



Band4-1513-PASS



Band5-4132-PASS



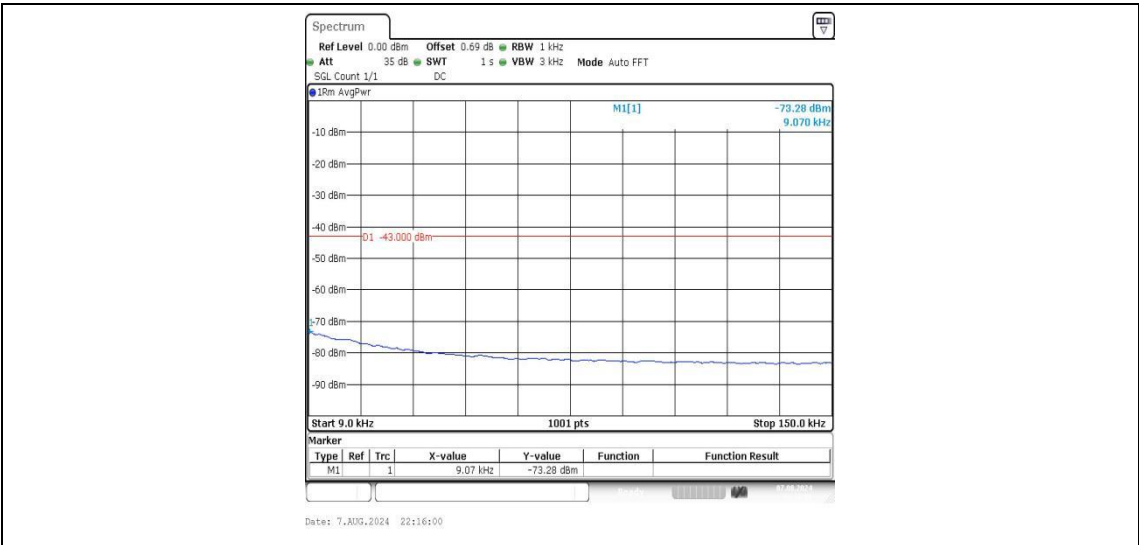
Band5-4233-PASS

## Appendix E: Conducted Spurious Emission

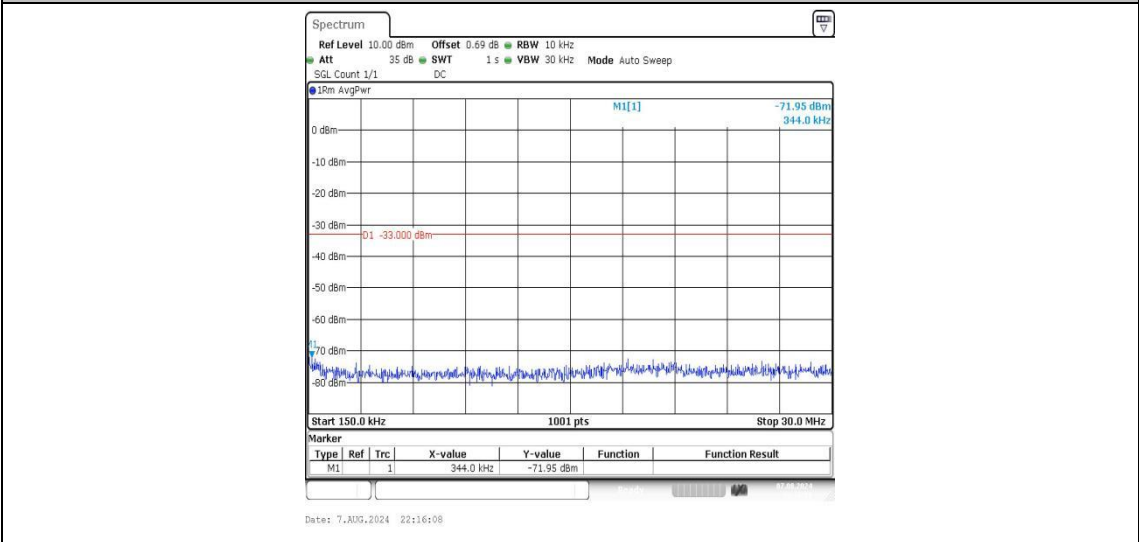
### Test Result

| Band  | Channel | Frequency Range (MHz) | Frequency (dBm) | Result (dBm) | Limit (dBm) | Verdict |
|-------|---------|-----------------------|-----------------|--------------|-------------|---------|
| Band2 | 9262    | 0.009~0.15MHz         | 0.01            | -73.28       | -43         | PASS    |
| Band2 | 9262    | 0.15~30MHz            | 0.34            | -71.95       | -33         | PASS    |
| Band2 | 9262    | 30~1000MHz            | 988.61          | -53.68       | -13         | PASS    |
| Band2 | 9262    | 1000~20000MHz         | 6510            | -44.41       | -13         | PASS    |
| Band2 | 9400    | 0.009~0.15MHz         | 0.01            | -72.8        | -43         | PASS    |
| Band2 | 9400    | 0.15~30MHz            | 18.77           | -72.71       | -33         | PASS    |
| Band2 | 9400    | 30~1000MHz            | 959.04          | -53.68       | -13         | PASS    |
| Band2 | 9400    | 1000~20000MHz         | 6519.5          | -44.37       | -13         | PASS    |
| Band2 | 9538    | 0.009~0.15MHz         | 0.01            | -71.83       | -43         | PASS    |
| Band2 | 9538    | 0.15~30MHz            | 20.12           | -72.65       | -33         | PASS    |
| Band2 | 9538    | 30~1000MHz            | 989.58          | -53.55       | -13         | PASS    |
| Band2 | 9538    | 1000~20000MHz         | 6852            | -44.35       | -13         | PASS    |
| Band4 | 1312    | 0.009~0.15MHz         | 0.01            | -73.6        | -43         | PASS    |
| Band4 | 1312    | 0.15~30MHz            | 0.17            | -72.09       | -33         | PASS    |
| Band4 | 1312    | 30~1000MHz            | 996.36          | -53.61       | -13         | PASS    |
| Band4 | 1312    | 1000~20000MHz         | 6852            | -44.12       | -13         | PASS    |
| Band4 | 1413    | 0.009~0.15MHz         | 0.01            | -73.55       | -43         | PASS    |
| Band4 | 1413    | 0.15~30MHz            | 19.7            | -72.42       | -33         | PASS    |
| Band4 | 1413    | 30~1000MHz            | 963.89          | -53.67       | -13         | PASS    |
| Band4 | 1413    | 1000~20000MHz         | 6519.5          | -44.28       | -13         | PASS    |
| Band4 | 1513    | 0.009~0.15MHz         | 0.01            | -73.36       | -43         | PASS    |
| Band4 | 1513    | 0.15~30MHz            | 18.5            | -72.4        | -33         | PASS    |
| Band4 | 1513    | 30~1000MHz            | 976             | -53.61       | -13         | PASS    |
| Band4 | 1513    | 1000~20000MHz         | 6510            | -44.23       | -13         | PASS    |
| Band5 | 4132    | 0.009~0.15MHz         | 0.01            | -73.88       | -33         | PASS    |
| Band5 | 4132    | 0.15~30MHz            | 0.2             | -71.98       | -23         | PASS    |
| Band5 | 4132    | 30~1000MHz            | 985.94          | -62.9        | -13         | PASS    |
| Band5 | 4132    | 1000~10000MHz         | 6557            | -43.13       | -13         | PASS    |
| Band5 | 4182    | 0.009~0.15MHz         | 0.01            | -73.88       | -33         | PASS    |
| Band5 | 4182    | 0.15~30MHz            | 0.46            | -72.08       | -23         | PASS    |
| Band5 | 4182    | 30~1000MHz            | 953.44          | -63.08       | -13         | PASS    |
| Band5 | 4182    | 1000~10000MHz         | 6952.08         | -42.79       | -13         | PASS    |
| Band5 | 4233    | 0.009~0.15MHz         | 0.01            | -74.05       | -33         | PASS    |
| Band5 | 4233    | 0.15~30MHz            | 20.03           | -72.71       | -23         | PASS    |
| Band5 | 4233    | 30~1000MHz            | 990.3           | -62.75       | -13         | PASS    |
| Band5 | 4233    | 1000~10000MHz         | 6989.88         | -43.15       | -13         | PASS    |

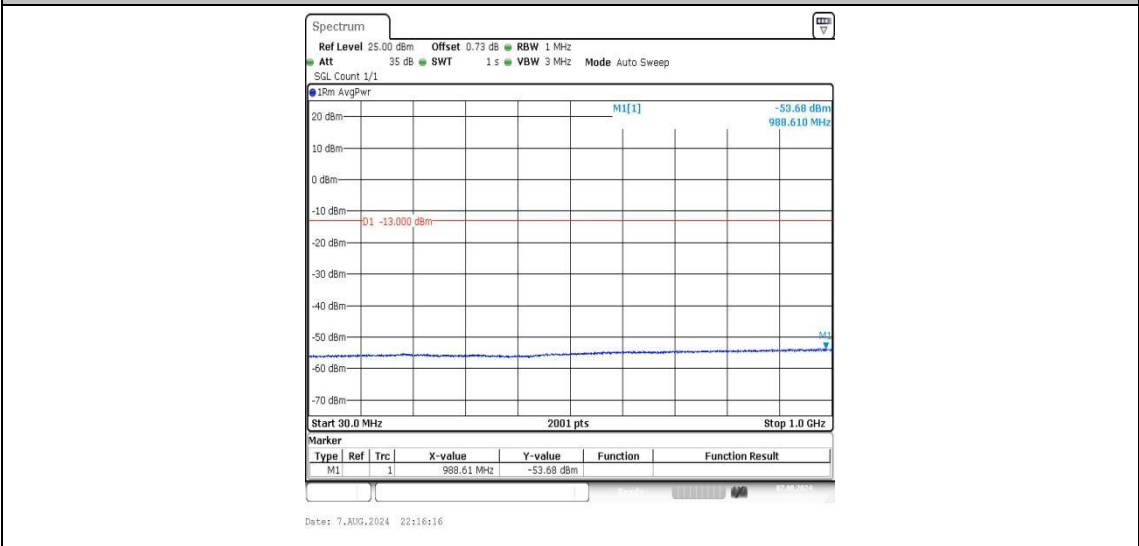
Test Graphs

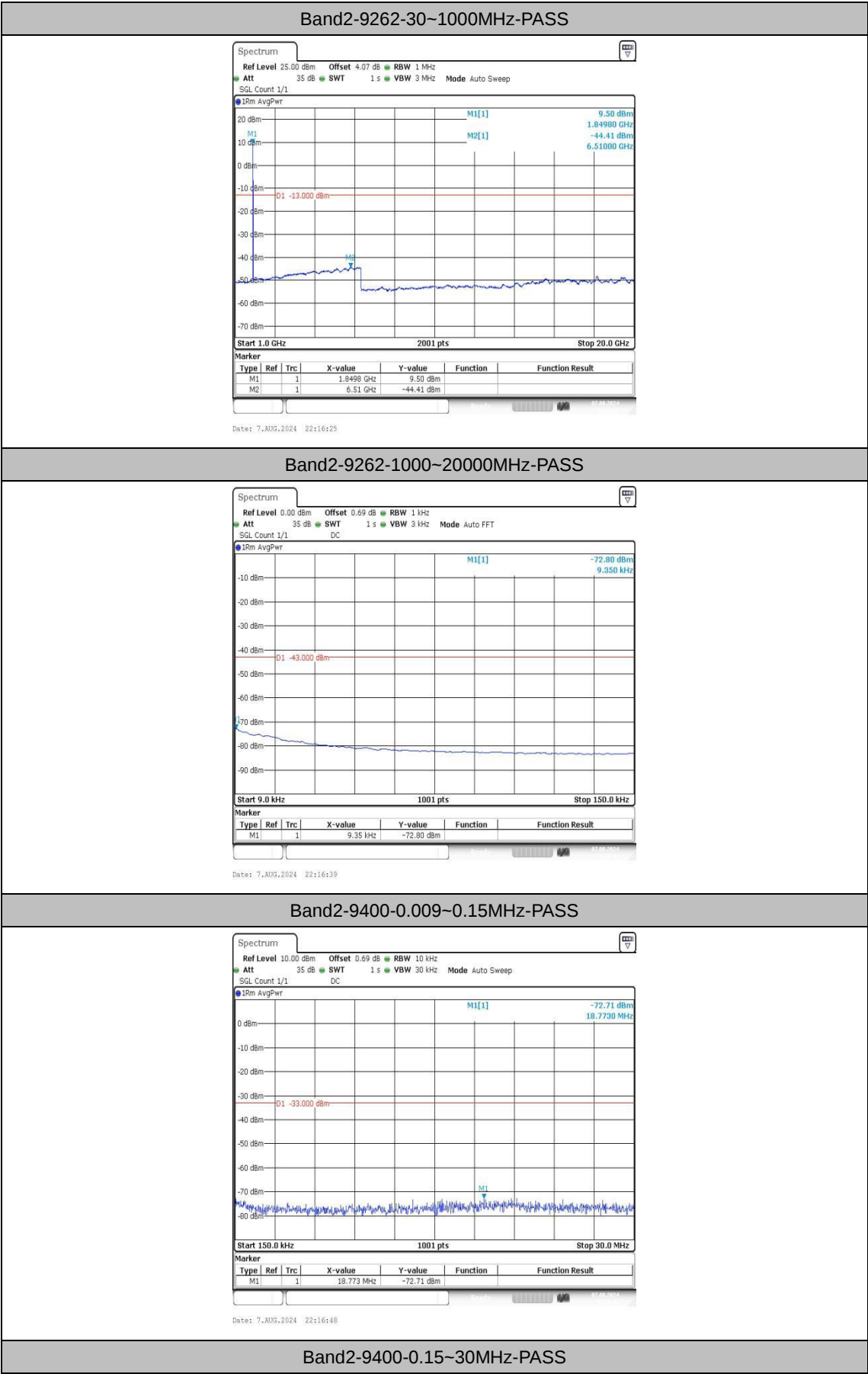


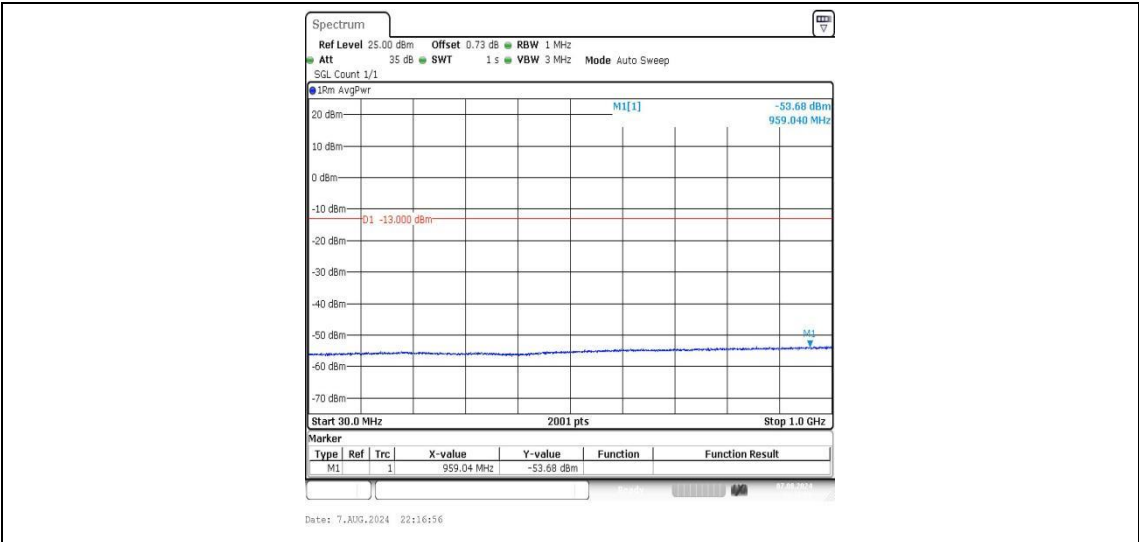
Band2-9262-0.009~0.15MHz-PASS



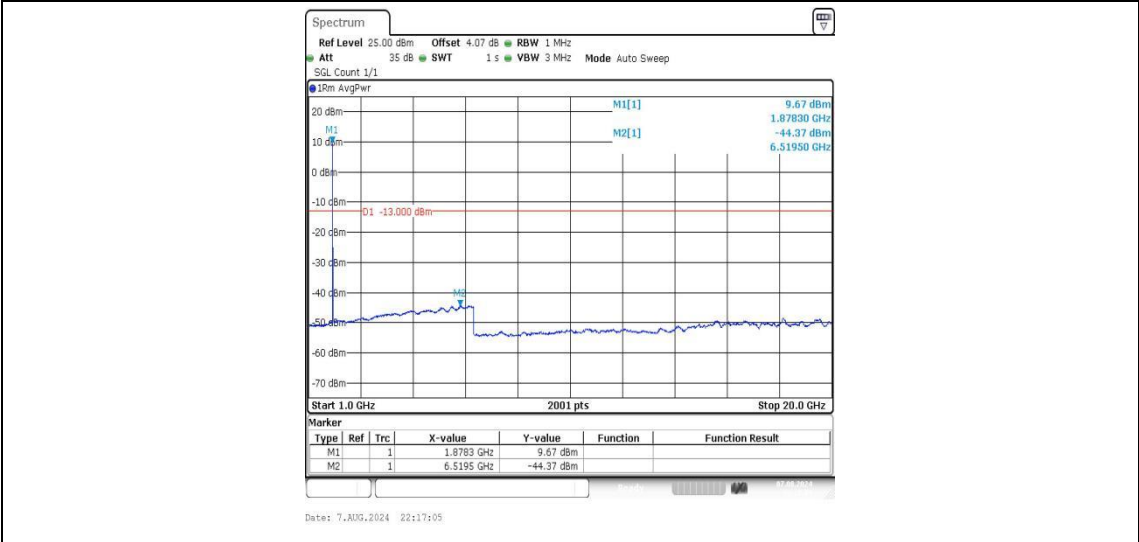
Band2-9262-0.15~30MHz-PASS



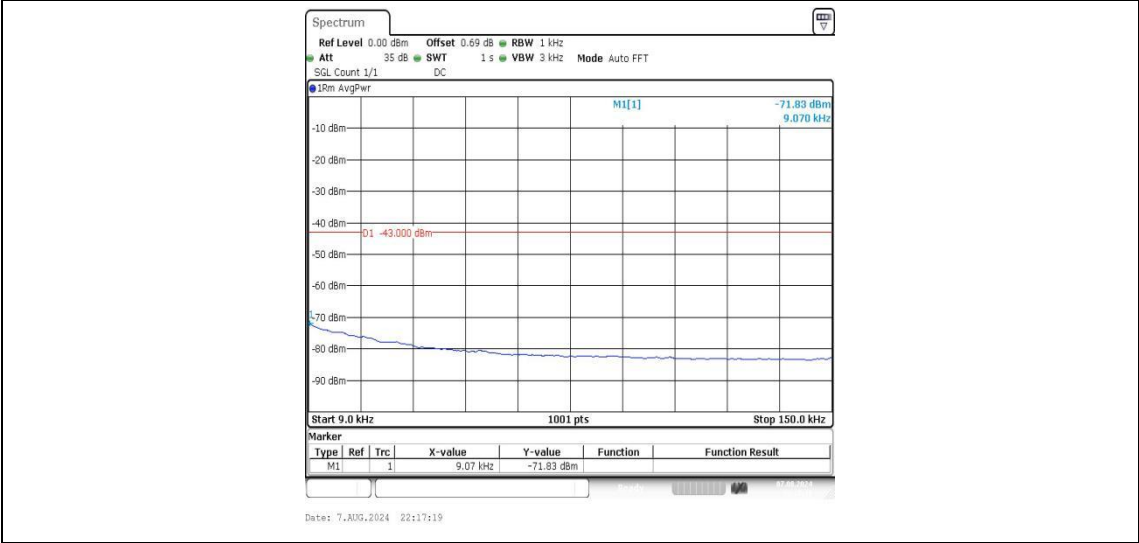




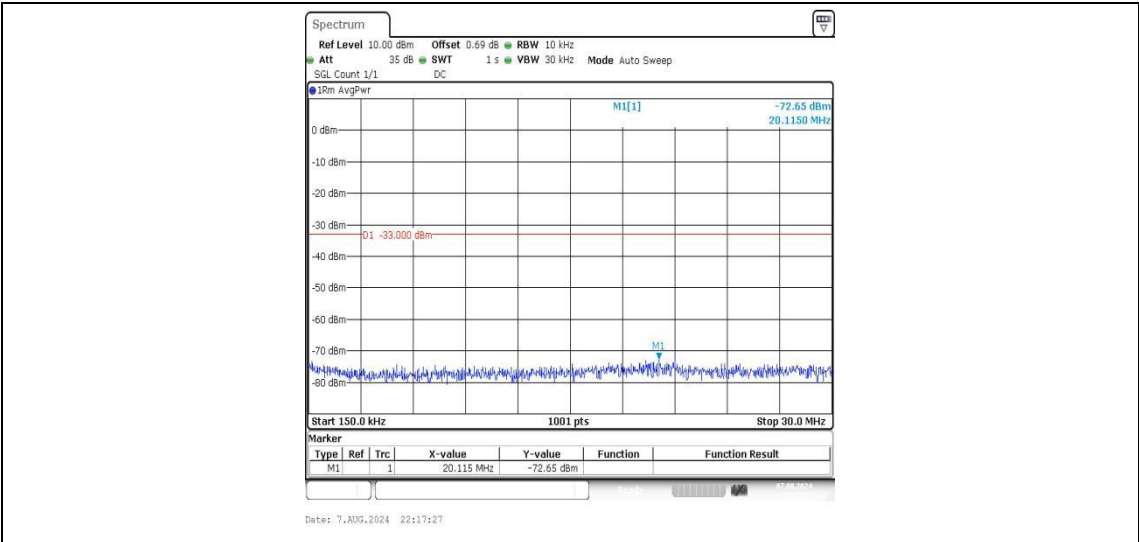
Band2-9400-30~1000MHz-PASS



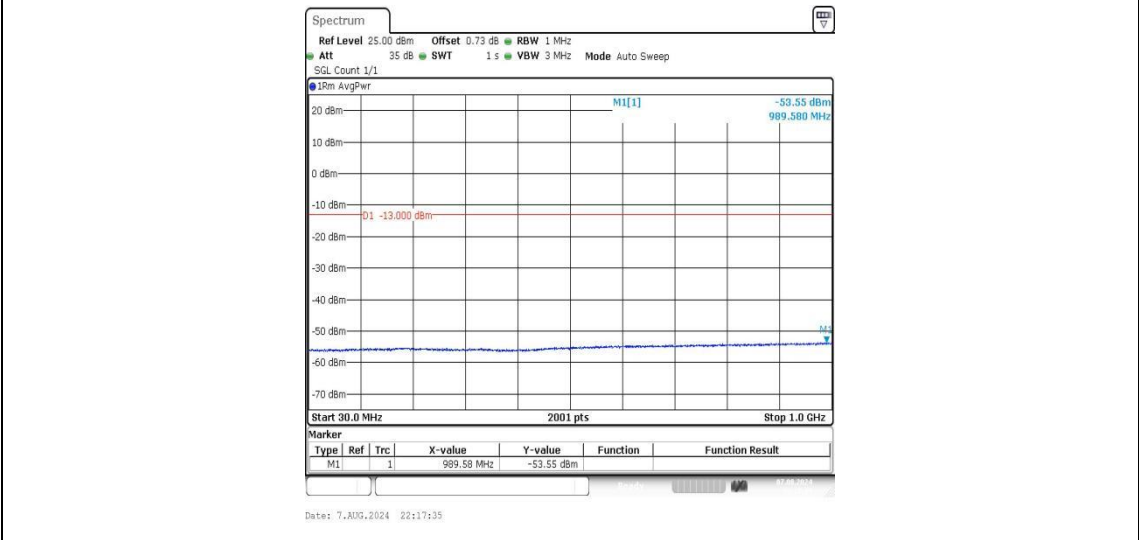
Band2-9400-1000~20000MHz-PASS



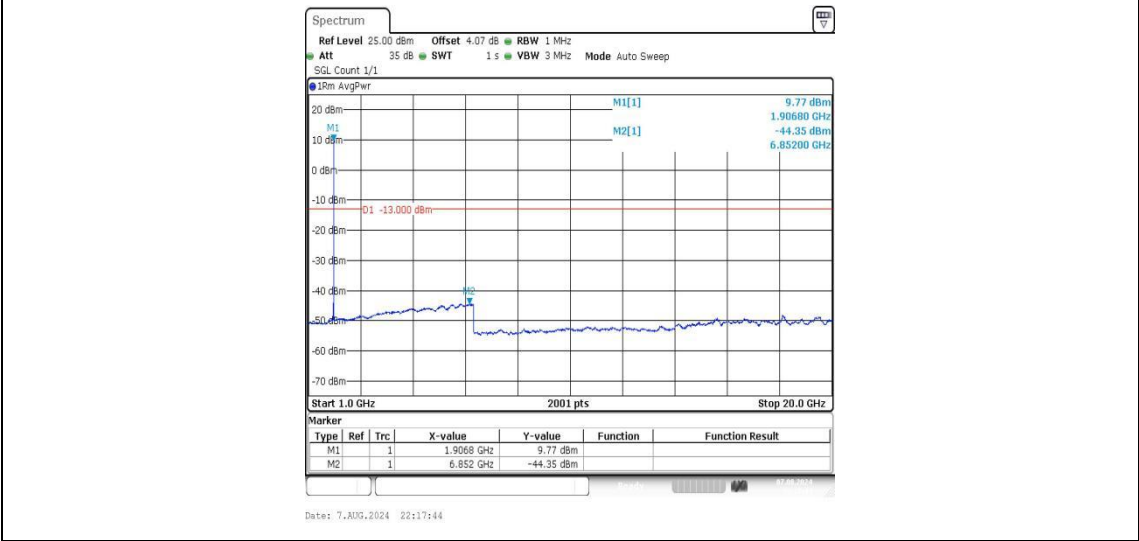
Band2-9538-0.009~0.15MHz-PASS



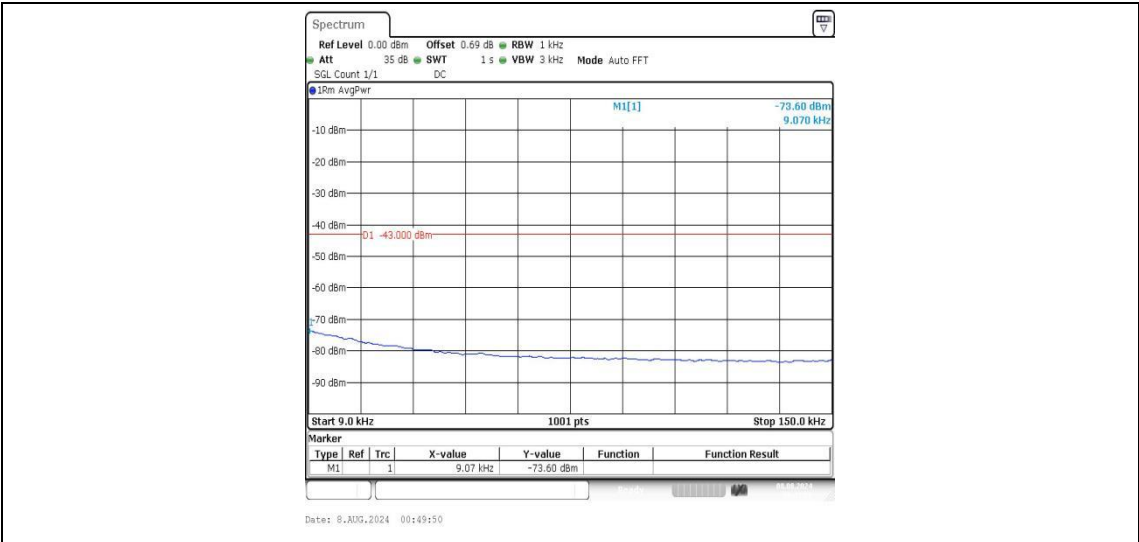
Band2-9538-0.15~30MHz-PASS



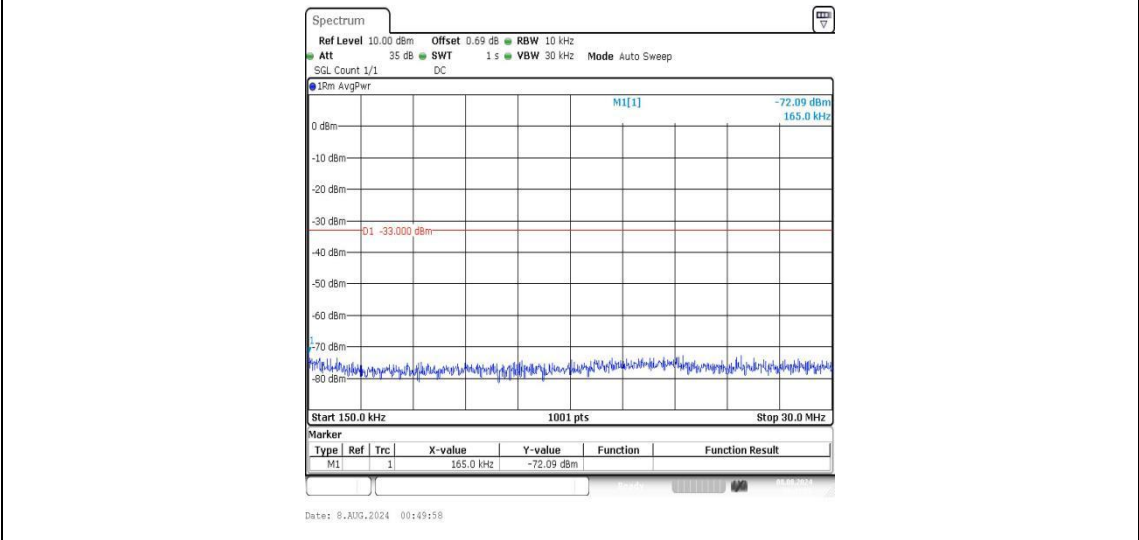
Band2-9538-30~1000MHz-PASS



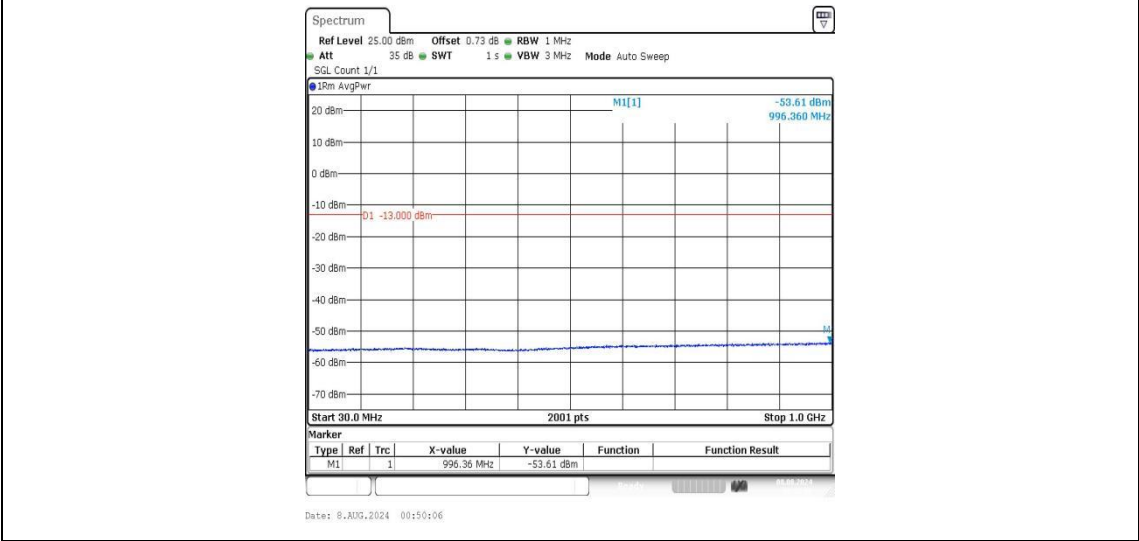
Band2-9538-1000~20000MHz-PASS



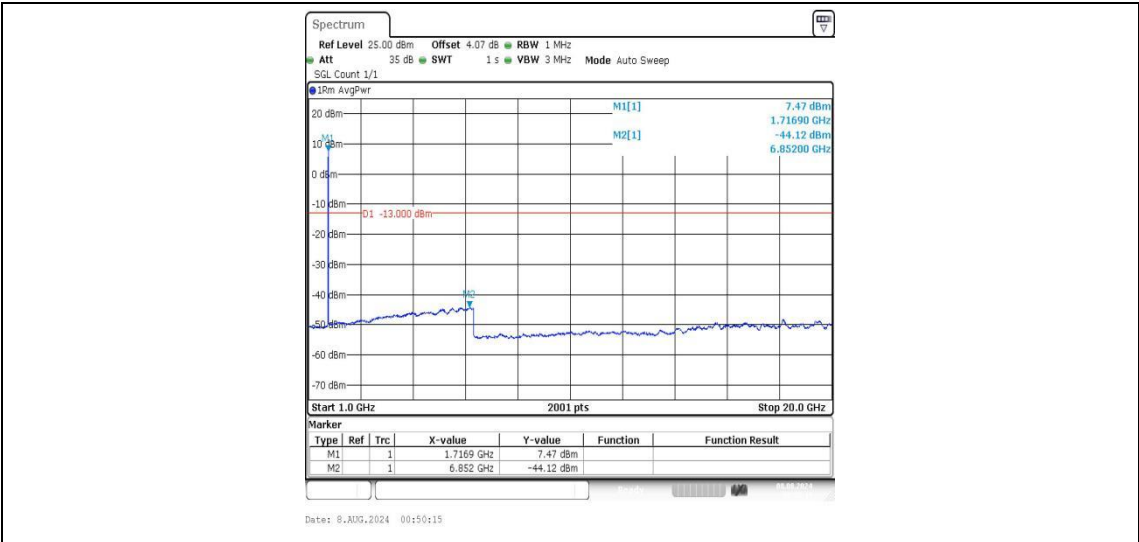
Band4-1312-0.009~0.15MHz-PASS



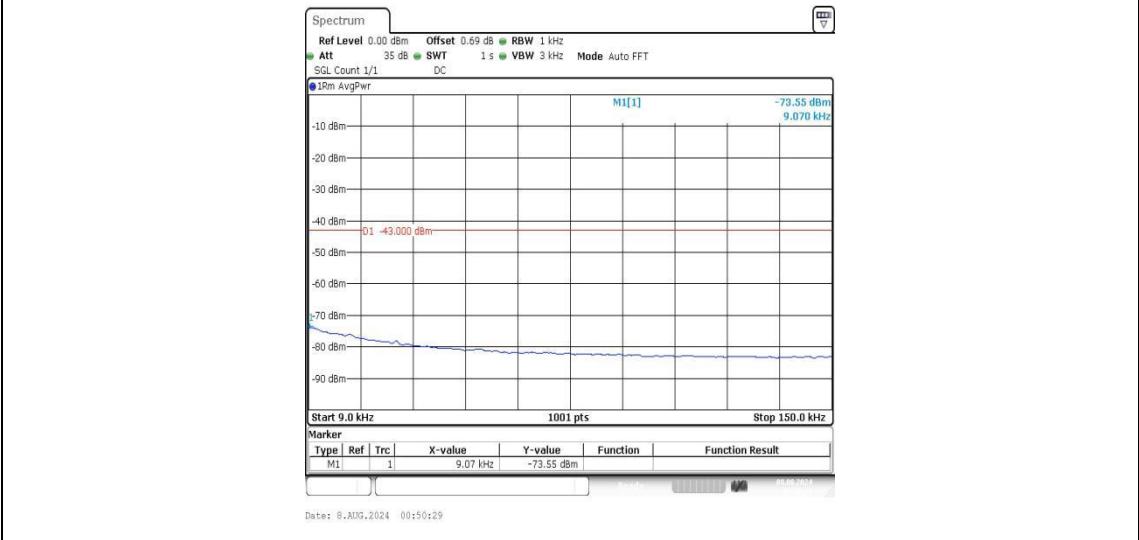
Band4-1312-0.15~30MHz-PASS



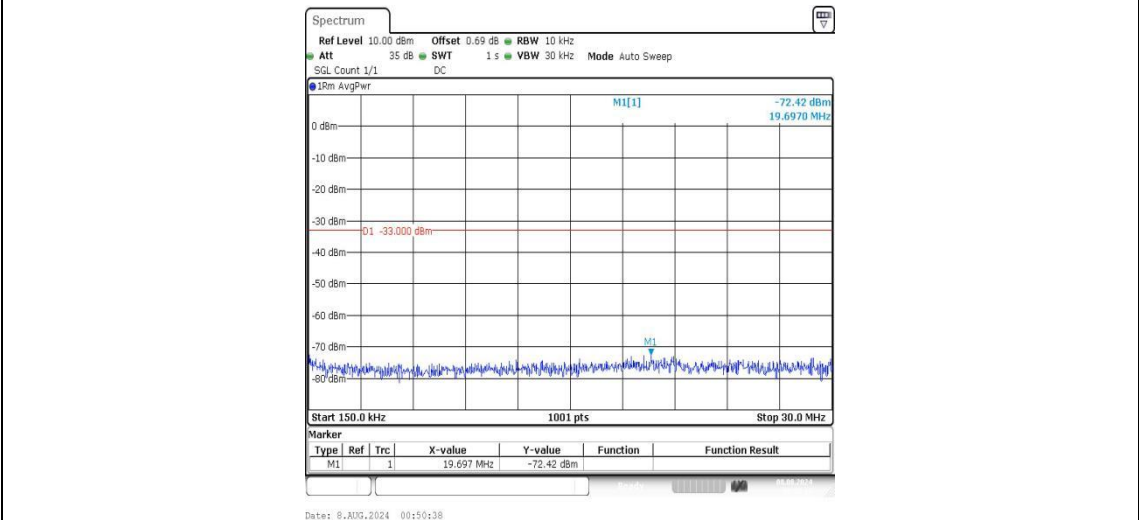
Band4-1312-30~1000MHz-PASS



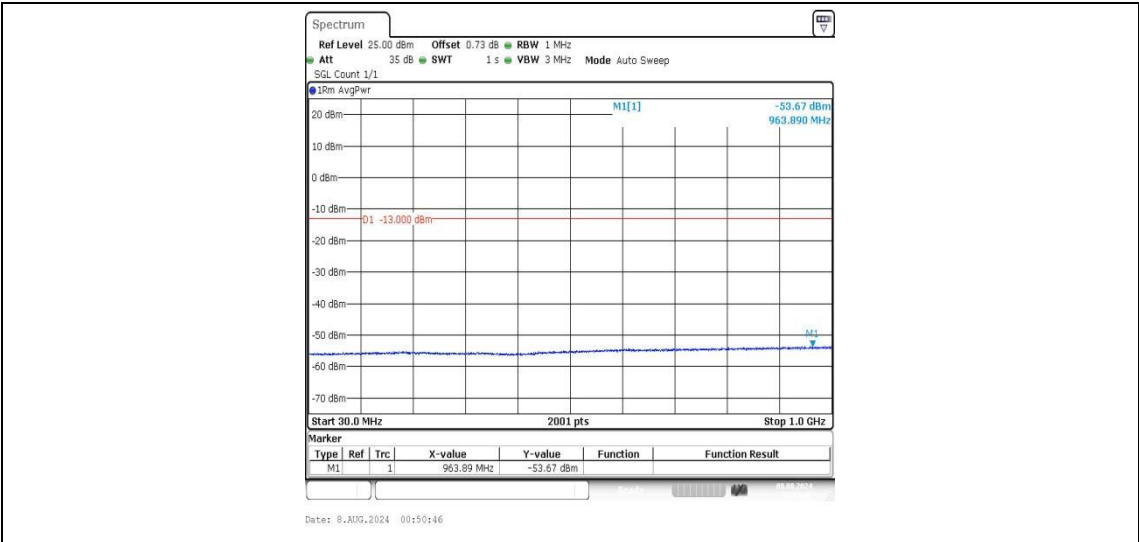
Band4-1312-1000~20000MHz-PASS



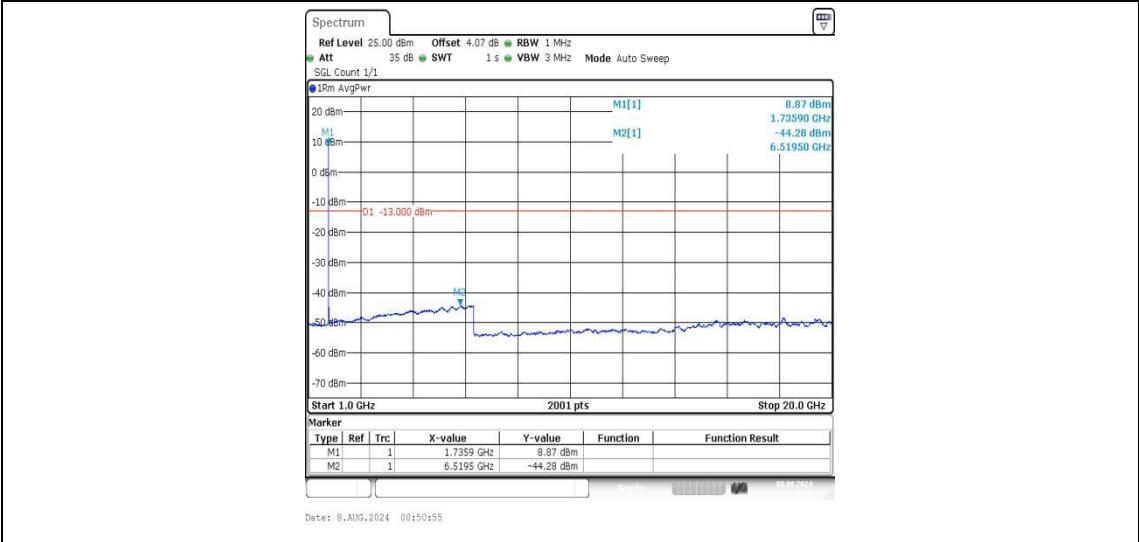
Band4-1413-0.009~0.15MHz-PASS



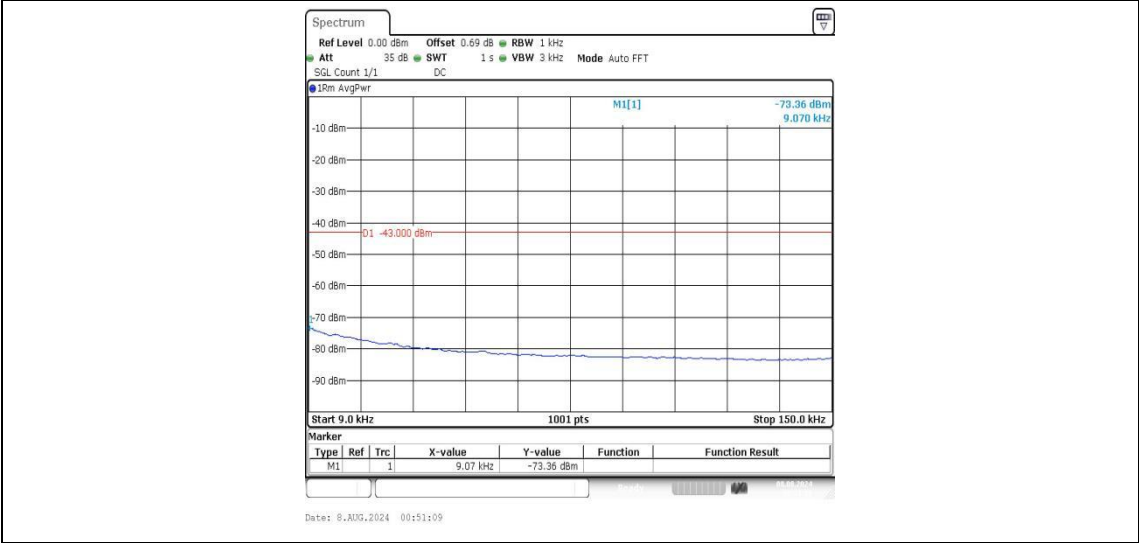
Band4-1413-0.15~30MHz-PASS



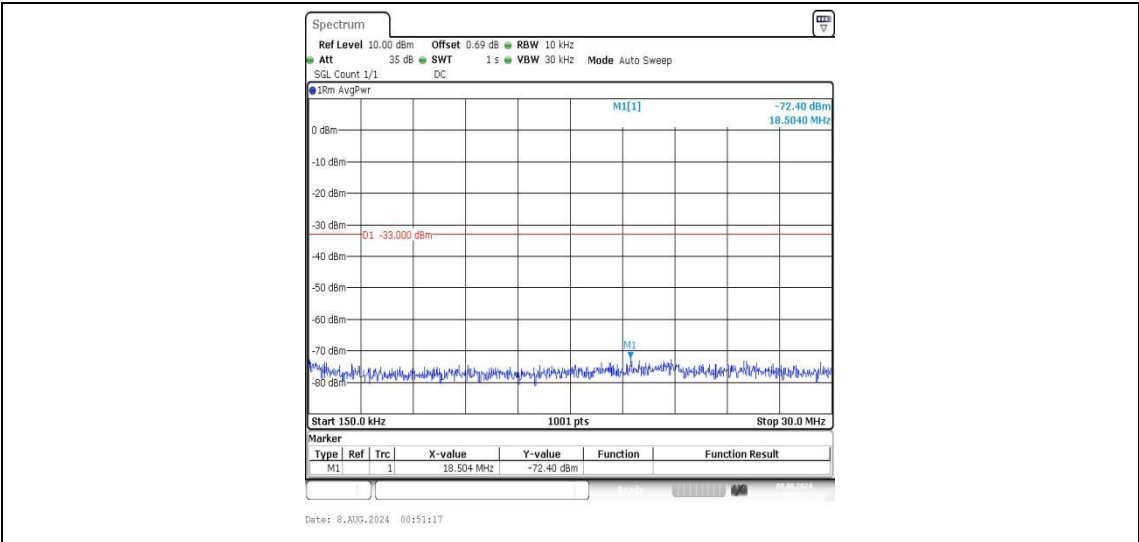
Band4-1413-30~1000MHz-PASS



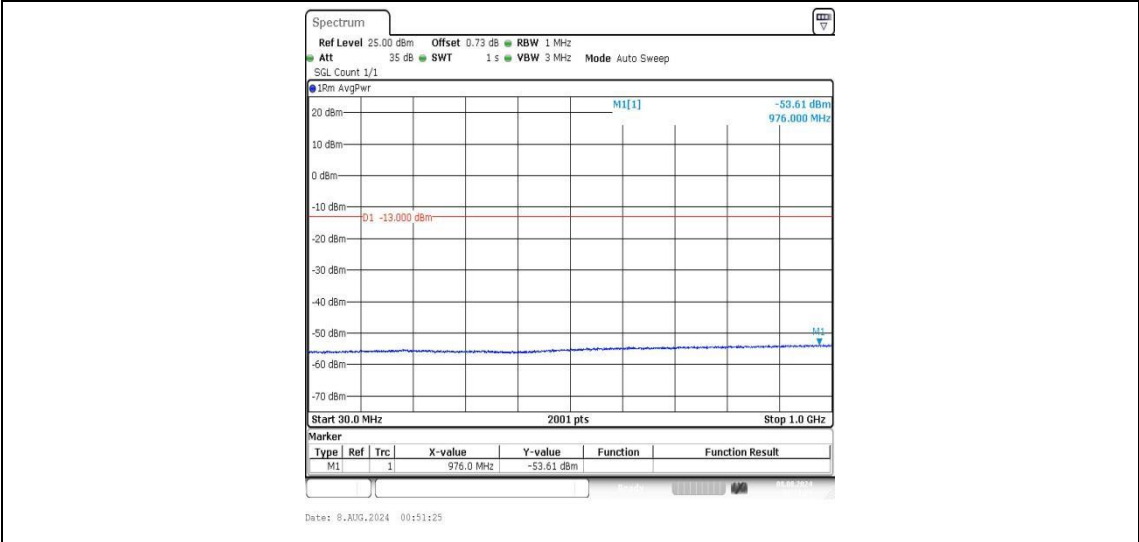
Band4-1413-1000~20000MHz-PASS



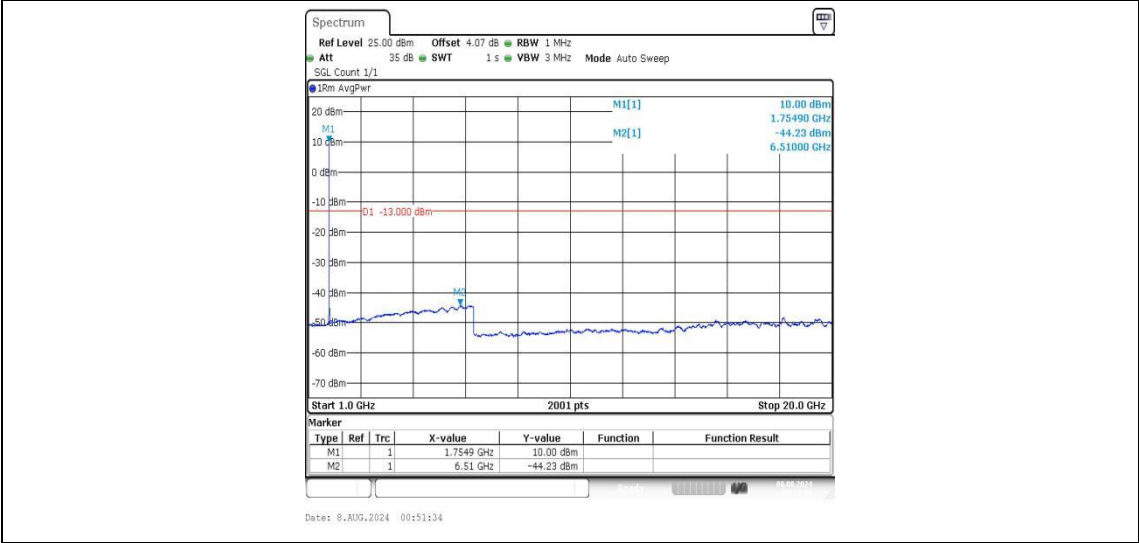
Band4-1513-0.009~0.15MHz-PASS



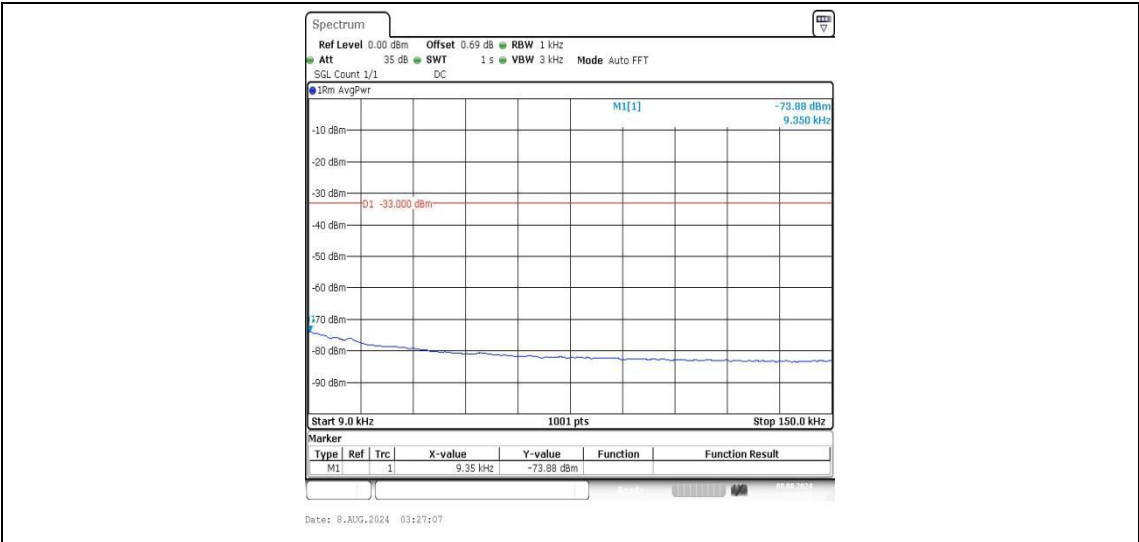
Band4-1513-0.15~30MHz-PASS



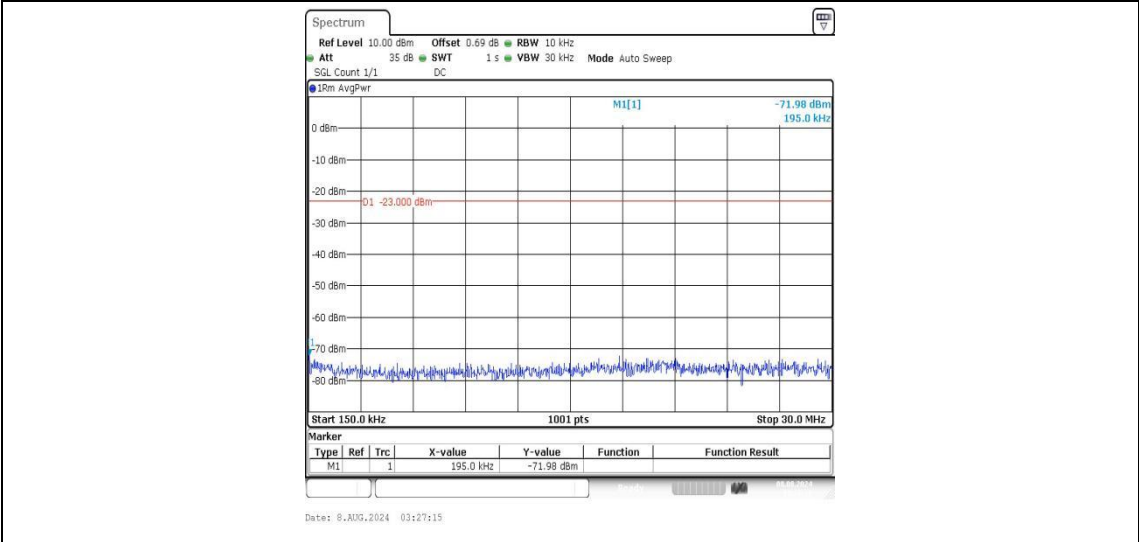
Band4-1513-30~1000MHz-PASS



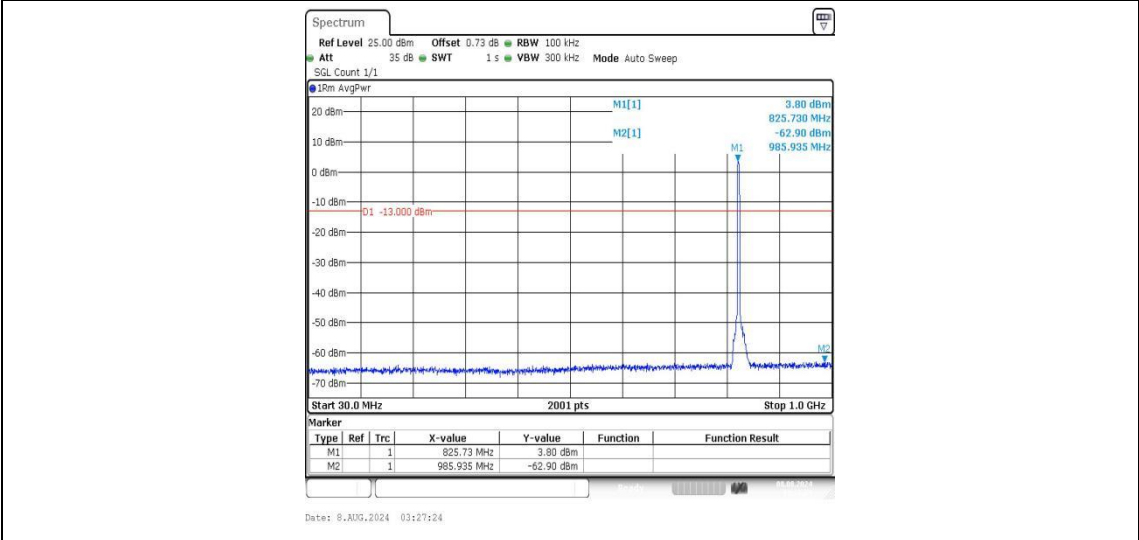
Band4-1513-1000~20000MHz-PASS



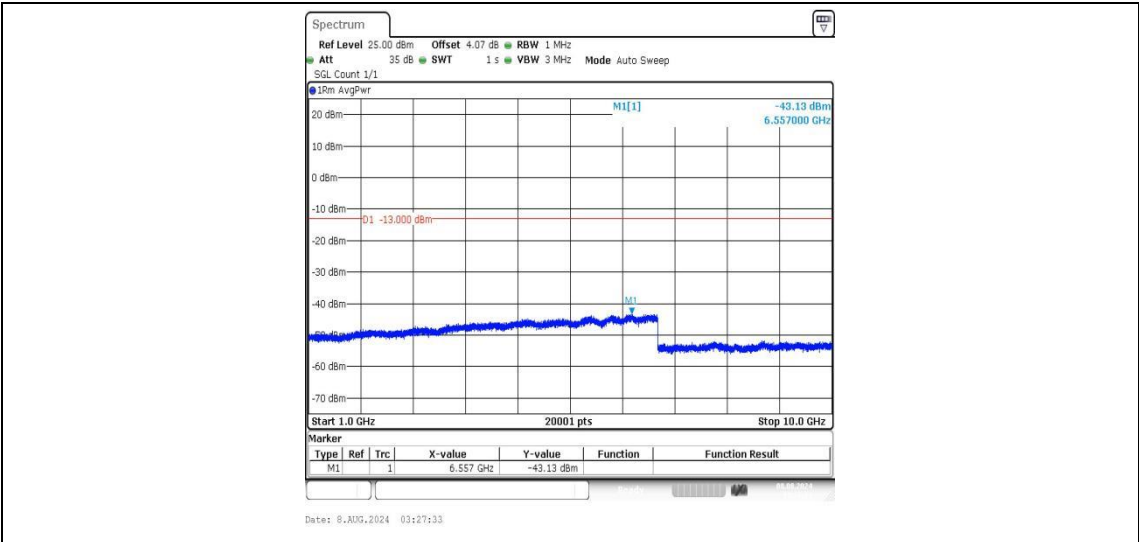
Band5-4132-0.009~0.15MHz-PASS



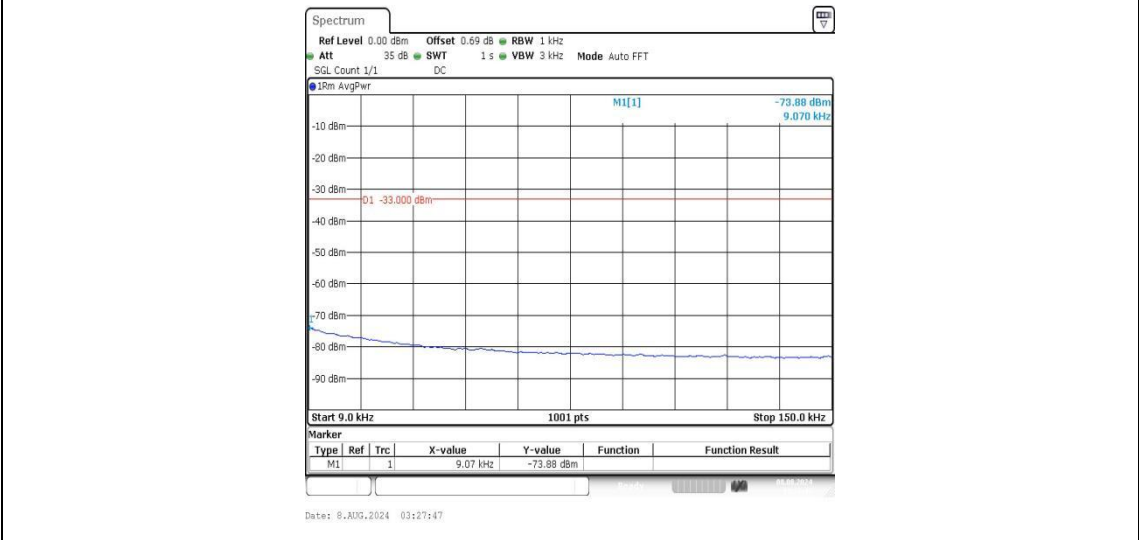
Band5-4132-0.15~30MHz-PASS



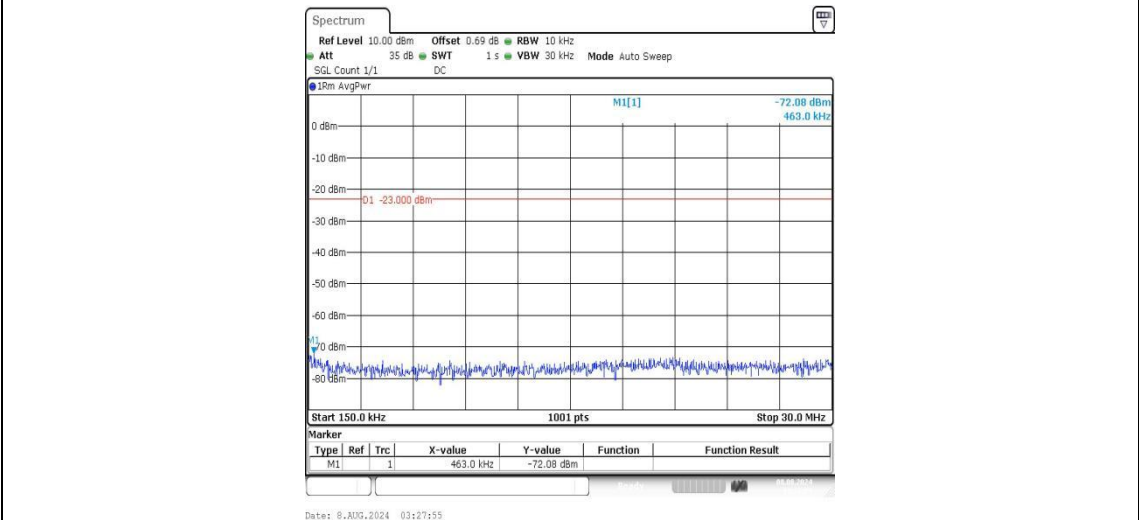
Band5-4132-30~1000MHz-PASS



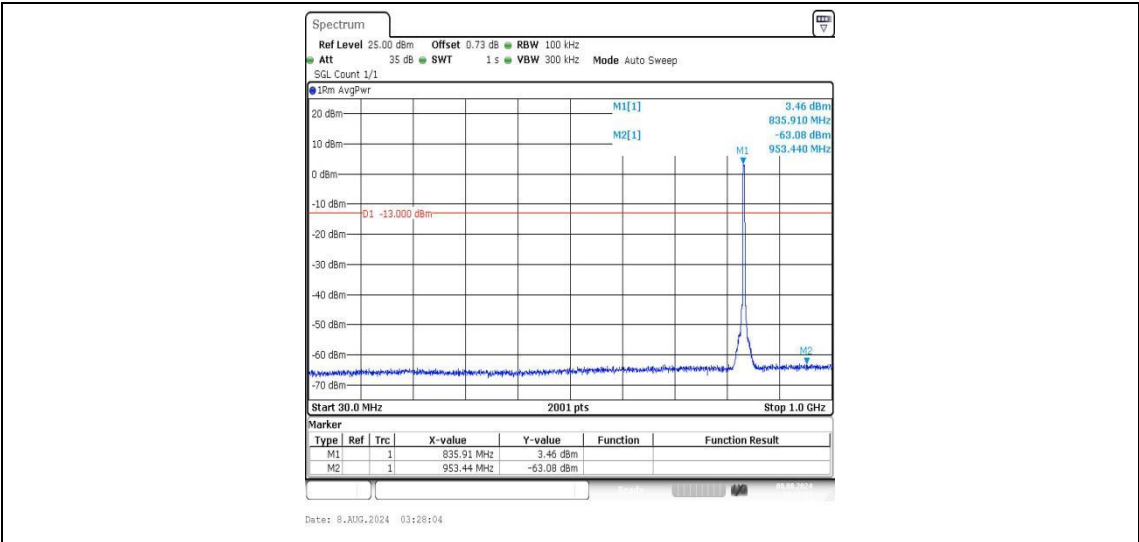
Band5-4132-1000~10000MHz-PASS



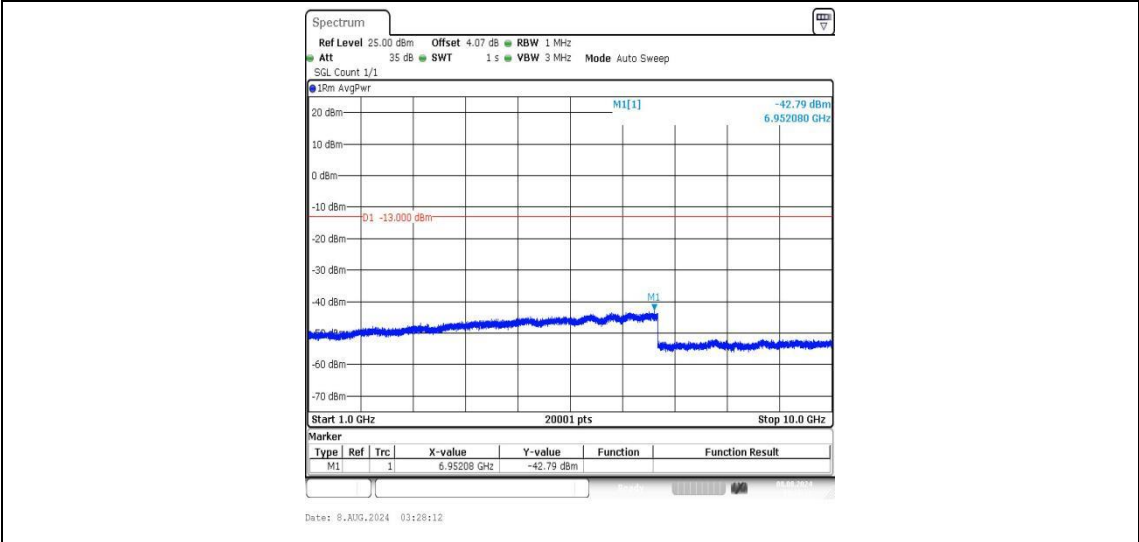
Band5-4182-0.009~0.15MHz-PASS



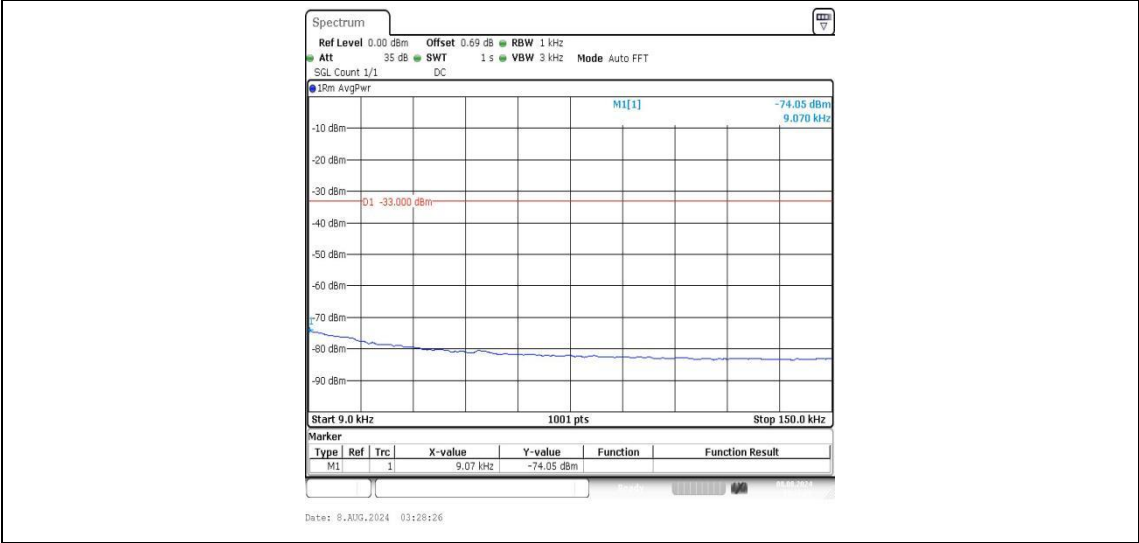
Band5-4182-0.15~30MHz-PASS



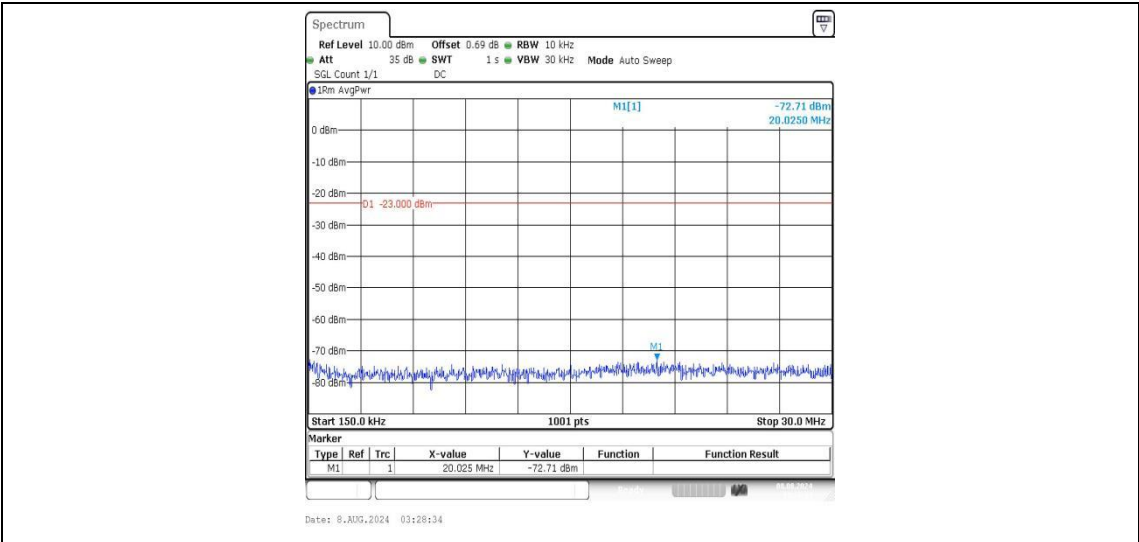
Band5-4182-30~1000MHz-PASS



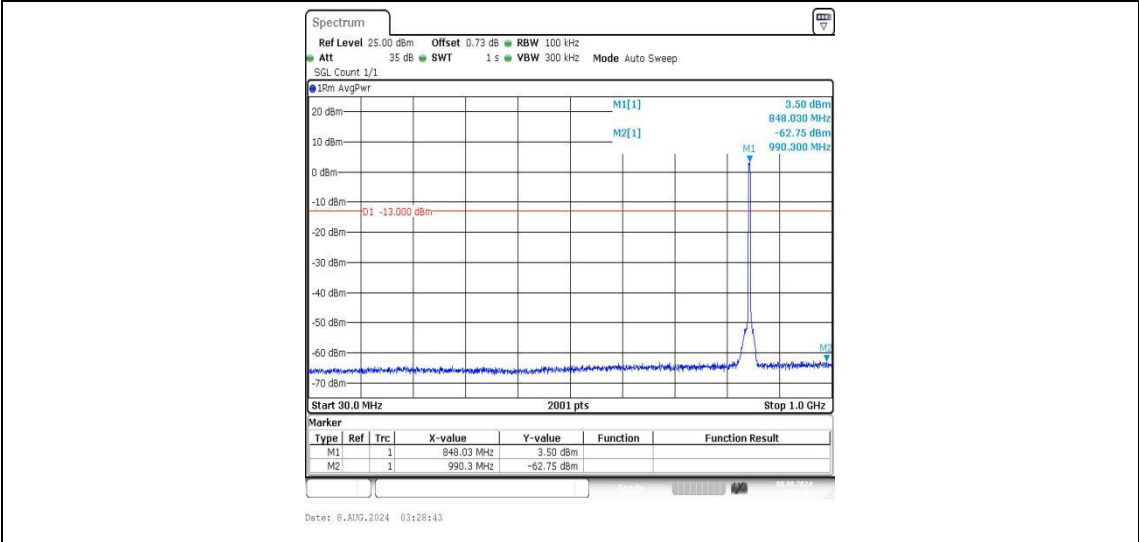
Band5-4182-1000~10000MHz-PASS



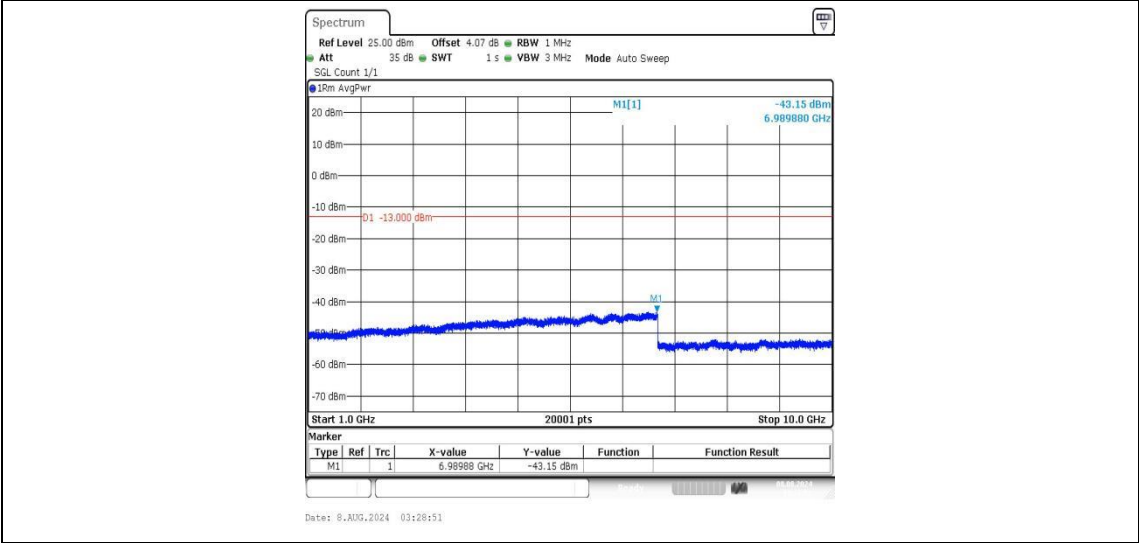
Band5-4233-0.009~0.15MHz-PASS



Band5-4233-0.15~30MHz-PASS



Band5-4233-30~1000MHz-PASS



Band5-4233-1000~10000MHz-PASS

## Appendix F: Frequency Stability

### Test Result

| Voltage |         |               |                  |                |                 |             |         |
|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2   | 9262    | VN            | NT               | -6.88          | -0.003714       | ±2.5        | PASS    |
| Band2   | 9262    | VL            | NT               | -6.09          | -0.003288       | ±2.5        | PASS    |
| Band2   | 9262    | VH            | NT               | -3.05          | -0.001647       | ±2.5        | PASS    |
| Band2   | 9400    | VN            | NT               | 6.77           | 0.003601        | ±2.5        | PASS    |
| Band2   | 9400    | VL            | NT               | 0.49           | 0.000261        | ±2.5        | PASS    |
| Band2   | 9400    | VH            | NT               | 3.96           | 0.002106        | ±2.5        | PASS    |
| Band2   | 9538    | VN            | NT               | -7.56          | -0.003963       | ±2.5        | PASS    |
| Band2   | 9538    | VL            | NT               | 7.11           | 0.003727        | ±2.5        | PASS    |
| Band2   | 9538    | VH            | NT               | -4.10          | -0.002149       | ±2.5        | PASS    |
| Band4   | 1312    | VN            | NT               | -3.18          | -0.001857       | ±2.5        | PASS    |
| Band4   | 1312    | VL            | NT               | -9.16          | -0.005349       | ±2.5        | PASS    |
| Band4   | 1312    | VH            | NT               | 7.50           | 0.004380        | ±2.5        | PASS    |
| Band4   | 1413    | VN            | NT               | 6.02           | 0.003475        | ±2.5        | PASS    |
| Band4   | 1413    | VL            | NT               | 14.56          | 0.008404        | ±2.5        | PASS    |
| Band4   | 1413    | VH            | NT               | 2.69           | 0.001553        | ±2.5        | PASS    |
| Band4   | 1513    | VN            | NT               | 4.70           | 0.002682        | ±2.5        | PASS    |
| Band4   | 1513    | VL            | NT               | 7.35           | 0.004194        | ±2.5        | PASS    |
| Band4   | 1513    | VH            | NT               | 16.14          | 0.009209        | ±2.5        | PASS    |
| Band5   | 4132    | VN            | NT               | -0.06          | -0.000073       | ±2.5        | PASS    |
| Band5   | 4132    | VL            | NT               | -0.75          | -0.000908       | ±2.5        | PASS    |
| Band5   | 4132    | VH            | NT               | 2.83           | 0.003424        | ±2.5        | PASS    |
| Band5   | 4182    | VN            | NT               | 0.99           | 0.001184        | ±2.5        | PASS    |
| Band5   | 4182    | VL            | NT               | 1.23           | 0.001471        | ±2.5        | PASS    |
| Band5   | 4182    | VH            | NT               | 1.24           | 0.001483        | ±2.5        | PASS    |
| Band5   | 4233    | VN            | NT               | -1.45          | -0.001713       | ±2.5        | PASS    |
| Band5   | 4233    | VL            | NT               | 4.21           | 0.004973        | ±2.5        | PASS    |
| Band5   | 4233    | VH            | NT               | 2.05           | 0.002421        | ±2.5        | PASS    |

| Temperature |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2       | 9262    | NV            | -30              | -5.01          | -0.002705       | ±2.5        | PASS    |
| Band2       | 9262    | NV            | -20              | -5.70          | -0.003077       | ±2.5        | PASS    |
| Band2       | 9262    | NV            | -10              | -4.56          | -0.002462       | ±2.5        | PASS    |

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|       |      |    |     |       |           |      |      |
|-------|------|----|-----|-------|-----------|------|------|
| Band2 | 9262 | NV | 0   | -5.30 | -0.002861 | ±2.5 | PASS |
| Band2 | 9262 | NV | 10  | 7.49  | 0.004043  | ±2.5 | PASS |
| Band2 | 9262 | NV | 20  | 11.48 | 0.006197  | ±2.5 | PASS |
| Band2 | 9262 | NV | 30  | 9.06  | 0.004891  | ±2.5 | PASS |
| Band2 | 9262 | NV | 40  | 11.91 | 0.006429  | ±2.5 | PASS |
| Band2 | 9262 | NV | 50  | 10.81 | 0.005836  | ±2.5 | PASS |
| Band2 | 9400 | NV | -30 | 0.90  | 0.000479  | ±2.5 | PASS |
| Band2 | 9400 | NV | -20 | -5.79 | -0.003080 | ±2.5 | PASS |
| Band2 | 9400 | NV | -10 | -0.21 | -0.000112 | ±2.5 | PASS |
| Band2 | 9400 | NV | 0   | -3.88 | -0.002064 | ±2.5 | PASS |
| Band2 | 9400 | NV | 10  | 0.70  | 0.000372  | ±2.5 | PASS |
| Band2 | 9400 | NV | 20  | 0.57  | 0.000303  | ±2.5 | PASS |
| Band2 | 9400 | NV | 30  | 3.94  | 0.002096  | ±2.5 | PASS |
| Band2 | 9400 | NV | 40  | 5.46  | 0.002904  | ±2.5 | PASS |
| Band2 | 9400 | NV | 50  | 7.40  | 0.003936  | ±2.5 | PASS |
| Band2 | 9538 | NV | -30 | -1.09 | -0.000571 | ±2.5 | PASS |
| Band2 | 9538 | NV | -20 | 6.53  | 0.003423  | ±2.5 | PASS |
| Band2 | 9538 | NV | -10 | 1.99  | 0.001043  | ±2.5 | PASS |
| Band2 | 9538 | NV | 0   | -2.52 | -0.001321 | ±2.5 | PASS |
| Band2 | 9538 | NV | 10  | -8.76 | -0.004592 | ±2.5 | PASS |
| Band2 | 9538 | NV | 20  | 9.11  | 0.004776  | ±2.5 | PASS |
| Band2 | 9538 | NV | 30  | 4.21  | 0.002207  | ±2.5 | PASS |
| Band2 | 9538 | NV | 40  | -0.31 | -0.000163 | ±2.5 | PASS |
| Band2 | 9538 | NV | 50  | -6.81 | -0.003570 | ±2.5 | PASS |
| Band4 | 1312 | NV | -30 | 0.12  | 0.000070  | ±2.5 | PASS |
| Band4 | 1312 | NV | -20 | 0.24  | 0.000140  | ±2.5 | PASS |
| Band4 | 1312 | NV | -10 | 0.51  | 0.000298  | ±2.5 | PASS |
| Band4 | 1312 | NV | 0   | 3.44  | 0.002009  | ±2.5 | PASS |
| Band4 | 1312 | NV | 10  | 1.62  | 0.000946  | ±2.5 | PASS |
| Band4 | 1312 | NV | 20  | 4.92  | 0.002873  | ±2.5 | PASS |
| Band4 | 1312 | NV | 30  | -1.90 | -0.001110 | ±2.5 | PASS |
| Band4 | 1312 | NV | 40  | 1.96  | 0.001145  | ±2.5 | PASS |
| Band4 | 1312 | NV | 50  | 0.41  | 0.000239  | ±2.5 | PASS |
| Band4 | 1413 | NV | -30 | 1.72  | 0.000993  | ±2.5 | PASS |
| Band4 | 1413 | NV | -20 | 0.94  | 0.000543  | ±2.5 | PASS |
| Band4 | 1413 | NV | -10 | -3.84 | -0.002216 | ±2.5 | PASS |
| Band4 | 1413 | NV | 0   | -2.54 | -0.001466 | ±2.5 | PASS |
| Band4 | 1413 | NV | 10  | -6.57 | -0.003792 | ±2.5 | PASS |
| Band4 | 1413 | NV | 20  | 5.35  | 0.003088  | ±2.5 | PASS |
| Band4 | 1413 | NV | 30  | -3.56 | -0.002055 | ±2.5 | PASS |
| Band4 | 1413 | NV | 40  | 6.79  | 0.003919  | ±2.5 | PASS |

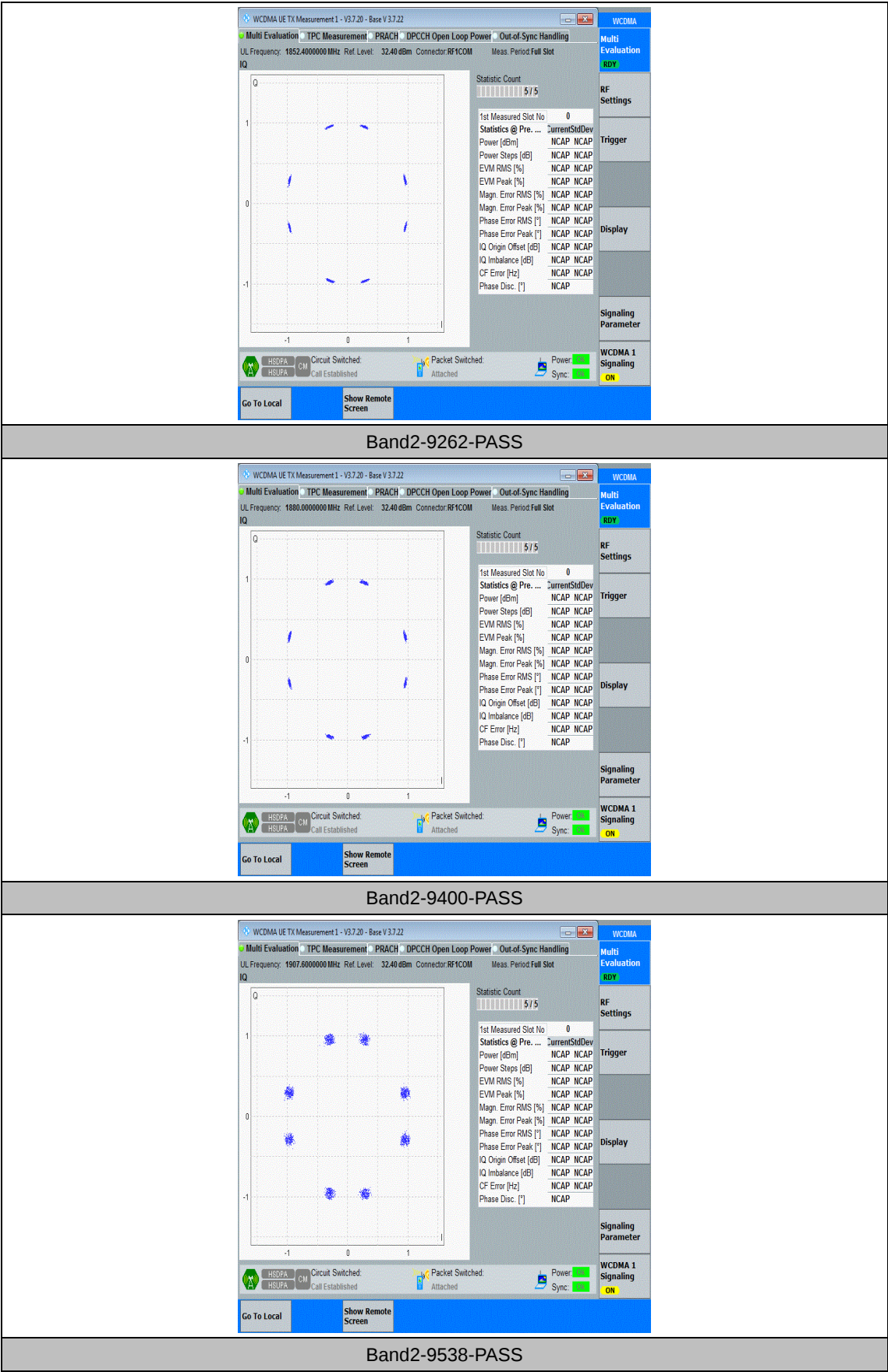
|       |      |    |     |       |           |      |      |
|-------|------|----|-----|-------|-----------|------|------|
| Band4 | 1413 | NV | 50  | 8.48  | 0.004894  | ±2.5 | PASS |
| Band4 | 1513 | NV | -30 | -3.23 | -0.001843 | ±2.5 | PASS |
| Band4 | 1513 | NV | -20 | -3.45 | -0.001969 | ±2.5 | PASS |
| Band4 | 1513 | NV | -10 | 5.12  | 0.002921  | ±2.5 | PASS |
| Band4 | 1513 | NV | 0   | 1.93  | 0.001101  | ±2.5 | PASS |
| Band4 | 1513 | NV | 10  | -1.74 | -0.000993 | ±2.5 | PASS |
| Band4 | 1513 | NV | 20  | -0.34 | -0.000194 | ±2.5 | PASS |
| Band4 | 1513 | NV | 30  | -1.77 | -0.001010 | ±2.5 | PASS |
| Band4 | 1513 | NV | 40  | -2.00 | -0.001141 | ±2.5 | PASS |
| Band4 | 1513 | NV | 50  | -8.15 | -0.004650 | ±2.5 | PASS |
| Band5 | 4132 | NV | -30 | 1.20  | 0.001452  | ±2.5 | PASS |
| Band5 | 4132 | NV | -20 | 1.44  | 0.001742  | ±2.5 | PASS |
| Band5 | 4132 | NV | -10 | 2.73  | 0.003303  | ±2.5 | PASS |
| Band5 | 4132 | NV | 0   | 1.68  | 0.002033  | ±2.5 | PASS |
| Band5 | 4132 | NV | 10  | 2.27  | 0.002747  | ±2.5 | PASS |
| Band5 | 4132 | NV | 20  | 1.07  | 0.001295  | ±2.5 | PASS |
| Band5 | 4132 | NV | 30  | 1.19  | 0.001440  | ±2.5 | PASS |
| Band5 | 4132 | NV | 40  | -1.18 | -0.001428 | ±2.5 | PASS |
| Band5 | 4132 | NV | 50  | 1.62  | 0.001960  | ±2.5 | PASS |
| Band5 | 4182 | NV | -30 | -0.58 | -0.000693 | ±2.5 | PASS |
| Band5 | 4182 | NV | -20 | -0.72 | -0.000861 | ±2.5 | PASS |
| Band5 | 4182 | NV | -10 | 0.51  | 0.000610  | ±2.5 | PASS |
| Band5 | 4182 | NV | 0   | -0.30 | -0.000359 | ±2.5 | PASS |
| Band5 | 4182 | NV | 10  | 3.45  | 0.004125  | ±2.5 | PASS |
| Band5 | 4182 | NV | 20  | -1.43 | -0.001710 | ±2.5 | PASS |
| Band5 | 4182 | NV | 30  | -0.92 | -0.001100 | ±2.5 | PASS |
| Band5 | 4182 | NV | 40  | 3.72  | 0.004448  | ±2.5 | PASS |
| Band5 | 4182 | NV | 50  | 1.48  | 0.001769  | ±2.5 | PASS |
| Band5 | 4233 | NV | -30 | -1.00 | -0.001181 | ±2.5 | PASS |
| Band5 | 4233 | NV | -20 | -0.98 | -0.001158 | ±2.5 | PASS |
| Band5 | 4233 | NV | -10 | 2.85  | 0.003366  | ±2.5 | PASS |
| Band5 | 4233 | NV | 0   | -1.87 | -0.002209 | ±2.5 | PASS |
| Band5 | 4233 | NV | 10  | 3.69  | 0.004359  | ±2.5 | PASS |
| Band5 | 4233 | NV | 20  | 0.44  | 0.000520  | ±2.5 | PASS |
| Band5 | 4233 | NV | 30  | 1.55  | 0.001831  | ±2.5 | PASS |
| Band5 | 4233 | NV | 40  | 0.94  | 0.001110  | ±2.5 | PASS |
| Band5 | 4233 | NV | 50  | 0.36  | 0.000425  | ±2.5 | PASS |

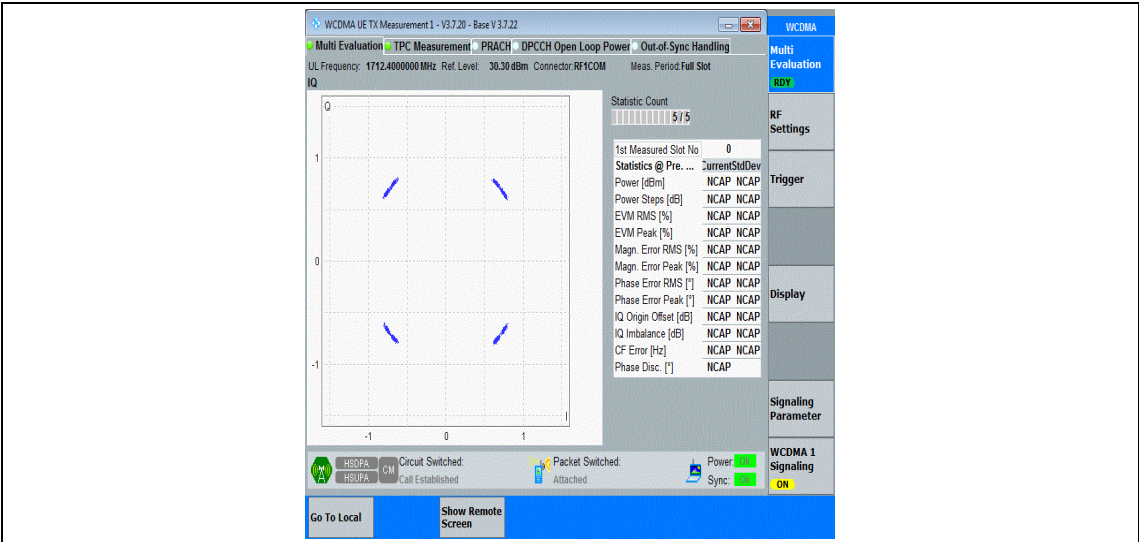
## Appendix G: Modulation Characteristics

### Test Result

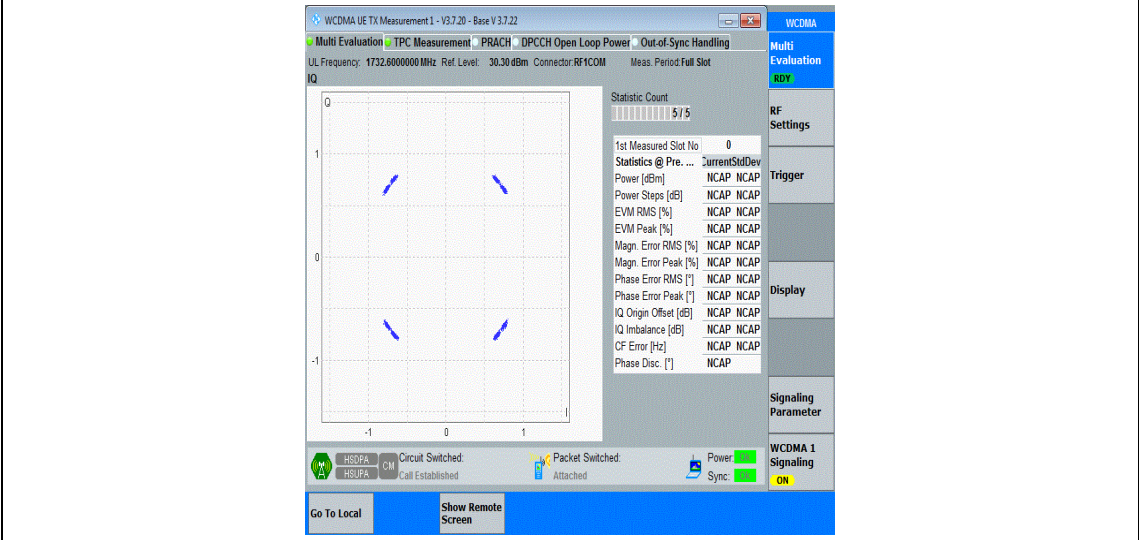
| Band  | Channel | Result | Verdict |
|-------|---------|--------|---------|
| Band2 | 9262    | PASS   | PASS    |
| Band2 | 9400    | PASS   | PASS    |
| Band2 | 9538    | PASS   | PASS    |
| Band4 | 1312    | PASS   | PASS    |
| Band4 | 1413    | PASS   | PASS    |
| Band4 | 1513    | PASS   | PASS    |
| Band5 | 4132    | PASS   | PASS    |
| Band5 | 4182    | PASS   | PASS    |
| Band5 | 4233    | PASS   | PASS    |

Test Graphs

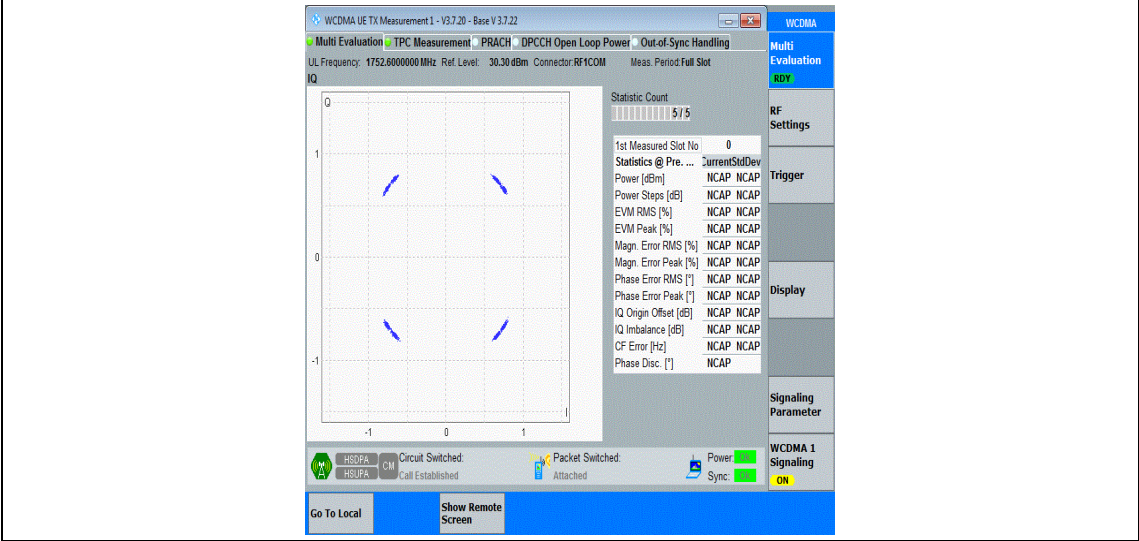




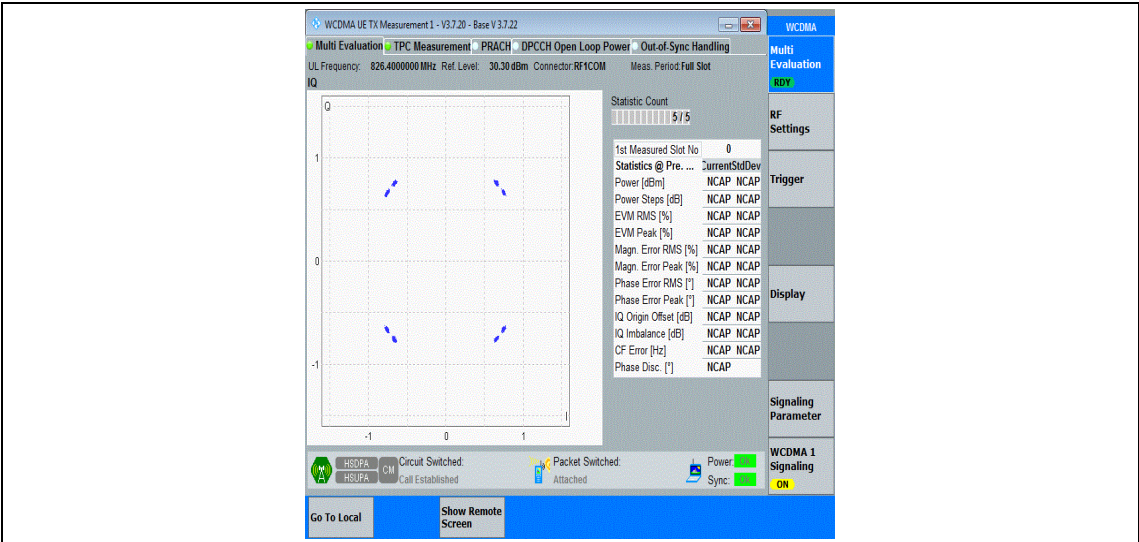
Band4-1312-PASS



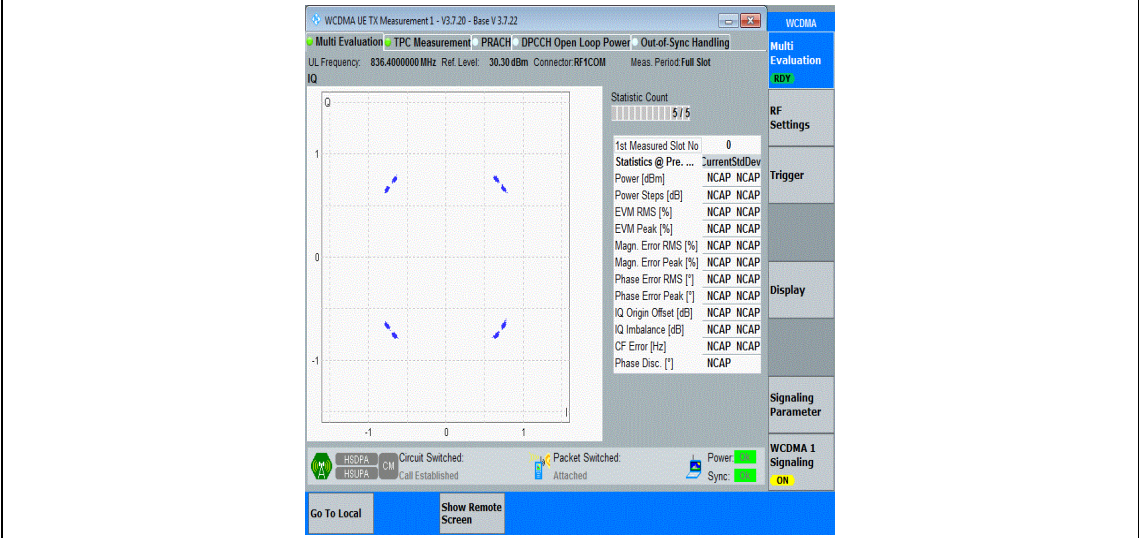
Band4-1413-PASS



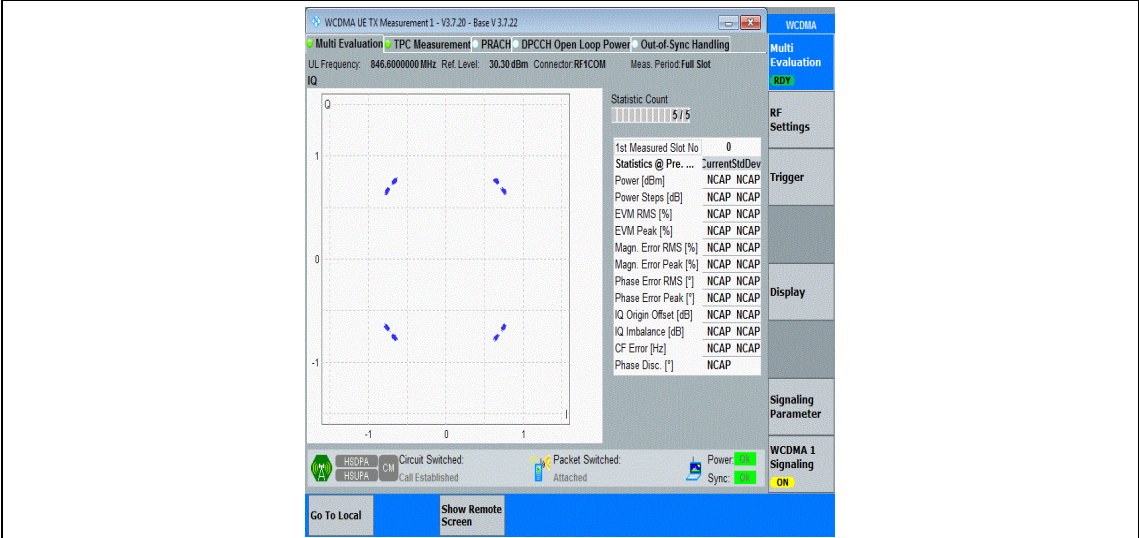
Band4-1513-PASS



Band5-4132-PASS



Band5-4182-PASS



Band5-4233-PASS