

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

### Test Result(WCDMA)

| Band  | Type     | Channel | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP Limit (dBm) | Verdict |
|-------|----------|---------|-----------------------|----------------|----------------------|---------|
| Band2 | Voice    | 9262    | 22.27                 | 22.55          | 33.01                | PASS    |
| Band2 | TestMode | 9262    | 22.27                 | 22.55          | 33.01                | PASS    |
| Band2 | TestMode | 9400    | 22.40                 | 22.68          | 33.01                | PASS    |
| Band2 | Voice    | 9400    | 22.35                 | 22.63          | 33.01                | PASS    |
| Band2 | TestMode | 9538    | 22.30                 | 22.58          | 33.01                | PASS    |
| Band2 | Voice    | 9538    | 22.26                 | 22.54          | 33.01                | PASS    |
| Band4 | Voice    | 1312    | 22.36                 | 22.61          | 30.00                | PASS    |
| Band4 | TestMode | 1312    | 22.40                 | 22.65          | 30.00                | PASS    |
| Band4 | Voice    | 1413    | 22.22                 | 22.47          | 30.00                | PASS    |
| Band4 | TestMode | 1413    | 22.27                 | 22.52          | 30.00                | PASS    |
| Band4 | TestMode | 1513    | 22.18                 | 22.43          | 30.00                | PASS    |
| Band4 | Voice    | 1513    | 22.09                 | 22.34          | 30.00                | PASS    |
| Band5 | Voice    | 4132    | 22.86                 | 18.06          | 38.45                | PASS    |
| Band5 | TestMode | 4132    | 22.99                 | 18.19          | 38.45                | PASS    |
| Band5 | TestMode | 4183    | 23.11                 | 18.31          | 38.45                | PASS    |
| Band5 | Voice    | 4183    | 23.13                 | 18.33          | 38.45                | PASS    |
| Band5 | Voice    | 4233    | 22.94                 | 18.14          | 38.45                | PASS    |
| Band5 | TestMode | 4233    | 22.97                 | 18.17          | 38.45                | PASS    |

### Test Result(HSDPA)

| Band  | Channel | SubTest | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP Limit (dBm) | Verdict |
|-------|---------|---------|-----------------------|----------------|----------------------|---------|
| Band2 | 9262    | 1       | 21.50                 | 21.78          | 33.01                | PASS    |
| Band2 | 9262    | 2       | 21.21                 | 21.49          | 33.01                | PASS    |
| Band2 | 9262    | 3       | 21.02                 | 21.3           | 33.01                | PASS    |
| Band2 | 9262    | 4       | 21.04                 | 21.32          | 33.01                | PASS    |
| Band2 | 9400    | 1       | 21.75                 | 22.03          | 33.01                | PASS    |
| Band2 | 9400    | 2       | 21.45                 | 21.73          | 33.01                | PASS    |
| Band2 | 9400    | 3       | 21.26                 | 21.54          | 33.01                | PASS    |
| Band2 | 9400    | 4       | 21.34                 | 21.62          | 33.01                | PASS    |
| Band2 | 9538    | 1       | 21.82                 | 22.1           | 33.01                | PASS    |
| Band2 | 9538    | 2       | 21.48                 | 21.76          | 33.01                | PASS    |
| Band2 | 9538    | 3       | 21.29                 | 21.57          | 33.01                | PASS    |
| Band2 | 9538    | 4       | 21.36                 | 21.64          | 33.01                | PASS    |

|       |      |   |       |       |       |      |
|-------|------|---|-------|-------|-------|------|
| Band4 | 1312 | 1 | 21.29 | 21.54 | 30.00 | PASS |
| Band4 | 1312 | 2 | 21.23 | 21.48 | 30.00 | PASS |
| Band4 | 1312 | 3 | 20.12 | 20.37 | 30.00 | PASS |
| Band4 | 1312 | 4 | 20.16 | 20.41 | 30.00 | PASS |
| Band4 | 1413 | 1 | 22.28 | 22.53 | 30.00 | PASS |
| Band4 | 1413 | 2 | 22.12 | 22.37 | 30.00 | PASS |
| Band4 | 1413 | 3 | 20.96 | 21.21 | 30.00 | PASS |
| Band4 | 1413 | 4 | 20.99 | 21.24 | 30.00 | PASS |
| Band4 | 1513 | 1 | 21.72 | 21.97 | 30.00 | PASS |
| Band4 | 1513 | 2 | 21.50 | 21.75 | 30.00 | PASS |
| Band4 | 1513 | 3 | 20.44 | 20.69 | 30.00 | PASS |
| Band4 | 1513 | 4 | 20.44 | 20.69 | 30.00 | PASS |
| Band5 | 4132 | 1 | 22.27 | 17.47 | 38.5  | PASS |
| Band5 | 4132 | 2 | 22.08 | 17.28 | 38.5  | PASS |
| Band5 | 4132 | 3 | 21.60 | 16.8  | 38.5  | PASS |
| Band5 | 4132 | 4 | 21.61 | 16.81 | 38.5  | PASS |
| Band5 | 4183 | 1 | 22.20 | 17.4  | 38.5  | PASS |
| Band5 | 4183 | 2 | 21.95 | 17.15 | 38.5  | PASS |
| Band5 | 4183 | 3 | 21.49 | 16.69 | 38.5  | PASS |
| Band5 | 4183 | 4 | 21.50 | 16.7  | 38.5  | PASS |
| Band5 | 4233 | 1 | 22.19 | 17.39 | 38.5  | PASS |
| Band5 | 4233 | 2 | 21.91 | 17.11 | 38.5  | PASS |
| Band5 | 4233 | 3 | 21.48 | 16.68 | 38.5  | PASS |
| Band5 | 4233 | 4 | 21.54 | 16.74 | 38.5  | PASS |

## Test Result(HSUPA)

| Band  | Channel | SubTest | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP Limit (dBm) | Verdict |
|-------|---------|---------|-----------------------|----------------|----------------------|---------|
| Band2 | 9262    | 1       | 19.18                 | 19.46          | 33.01                | PASS    |
| Band2 | 9262    | 2       | 19.85                 | 20.13          | 33.01                | PASS    |
| Band2 | 9262    | 3       | 19.60                 | 19.88          | 33.01                | PASS    |
| Band2 | 9262    | 4       | 19.92                 | 20.2           | 33.01                | PASS    |
| Band2 | 9262    | 5       | 21.57                 | 21.85          | 33.01                | PASS    |
| Band2 | 9400    | 1       | 19.79                 | 20.07          | 33.01                | PASS    |
| Band2 | 9400    | 2       | 20.23                 | 20.51          | 33.01                | PASS    |
| Band2 | 9400    | 3       | 20.00                 | 20.28          | 33.01                | PASS    |
| Band2 | 9400    | 4       | 20.28                 | 20.56          | 33.01                | PASS    |
| Band2 | 9400    | 5       | 21.79                 | 22.07          | 33.01                | PASS    |
| Band2 | 9538    | 1       | 19.69                 | 19.97          | 33.01                | PASS    |
| Band2 | 9538    | 2       | 20.13                 | 20.41          | 33.01                | PASS    |
| Band2 | 9538    | 3       | 19.89                 | 20.17          | 33.01                | PASS    |

|       |      |   |       |       |       |      |
|-------|------|---|-------|-------|-------|------|
| Band2 | 9538 | 4 | 20.18 | 20.46 | 33.01 | PASS |
| Band2 | 9538 | 5 | 21.81 | 22.09 | 33.01 | PASS |
| Band4 | 1312 | 1 | 19.44 | 19.69 | 30.00 | PASS |
| Band4 | 1312 | 2 | 19.59 | 19.84 | 30.00 | PASS |
| Band4 | 1312 | 3 | 19.35 | 19.6  | 30.00 | PASS |
| Band4 | 1312 | 4 | 19.63 | 19.88 | 30.00 | PASS |
| Band4 | 1312 | 5 | 21.39 | 21.64 | 30.00 | PASS |
| Band4 | 1413 | 1 | 20.18 | 20.43 | 30.00 | PASS |
| Band4 | 1413 | 2 | 20.32 | 20.57 | 30.00 | PASS |
| Band4 | 1413 | 3 | 20.04 | 20.29 | 30.00 | PASS |
| Band4 | 1413 | 4 | 20.37 | 20.62 | 30.00 | PASS |
| Band4 | 1413 | 5 | 22.28 | 22.53 | 30.00 | PASS |
| Band4 | 1513 | 1 | 19.76 | 20.01 | 30.00 | PASS |
| Band4 | 1513 | 2 | 19.85 | 20.1  | 30.00 | PASS |
| Band4 | 1513 | 3 | 19.64 | 19.89 | 30.00 | PASS |
| Band4 | 1513 | 4 | 19.92 | 20.17 | 30.00 | PASS |
| Band4 | 1513 | 5 | 21.69 | 21.94 | 30.00 | PASS |
| Band5 | 4132 | 1 | 20.50 | 15.7  | 38.5  | PASS |
| Band5 | 4132 | 2 | 20.62 | 15.82 | 38.5  | PASS |
| Band5 | 4132 | 3 | 20.35 | 15.55 | 38.5  | PASS |
| Band5 | 4132 | 4 | 20.13 | 15.33 | 38.5  | PASS |
| Band5 | 4132 | 5 | 22.59 | 17.79 | 38.5  | PASS |
| Band5 | 4183 | 1 | 20.46 | 15.66 | 38.5  | PASS |
| Band5 | 4183 | 2 | 20.59 | 15.79 | 38.5  | PASS |
| Band5 | 4183 | 3 | 20.31 | 15.51 | 38.5  | PASS |
| Band5 | 4183 | 4 | 20.08 | 15.28 | 38.5  | PASS |
| Band5 | 4183 | 5 | 22.47 | 17.67 | 38.5  | PASS |
| Band5 | 4233 | 1 | 20.40 | 15.6  | 38.5  | PASS |
| Band5 | 4233 | 2 | 20.52 | 15.72 | 38.5  | PASS |
| Band5 | 4233 | 3 | 20.28 | 15.48 | 38.5  | PASS |
| Band5 | 4233 | 4 | 20.08 | 15.28 | 38.5  | PASS |
| Band5 | 4233 | 5 | 22.42 | 17.62 | 38.5  | PASS |

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2)  
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

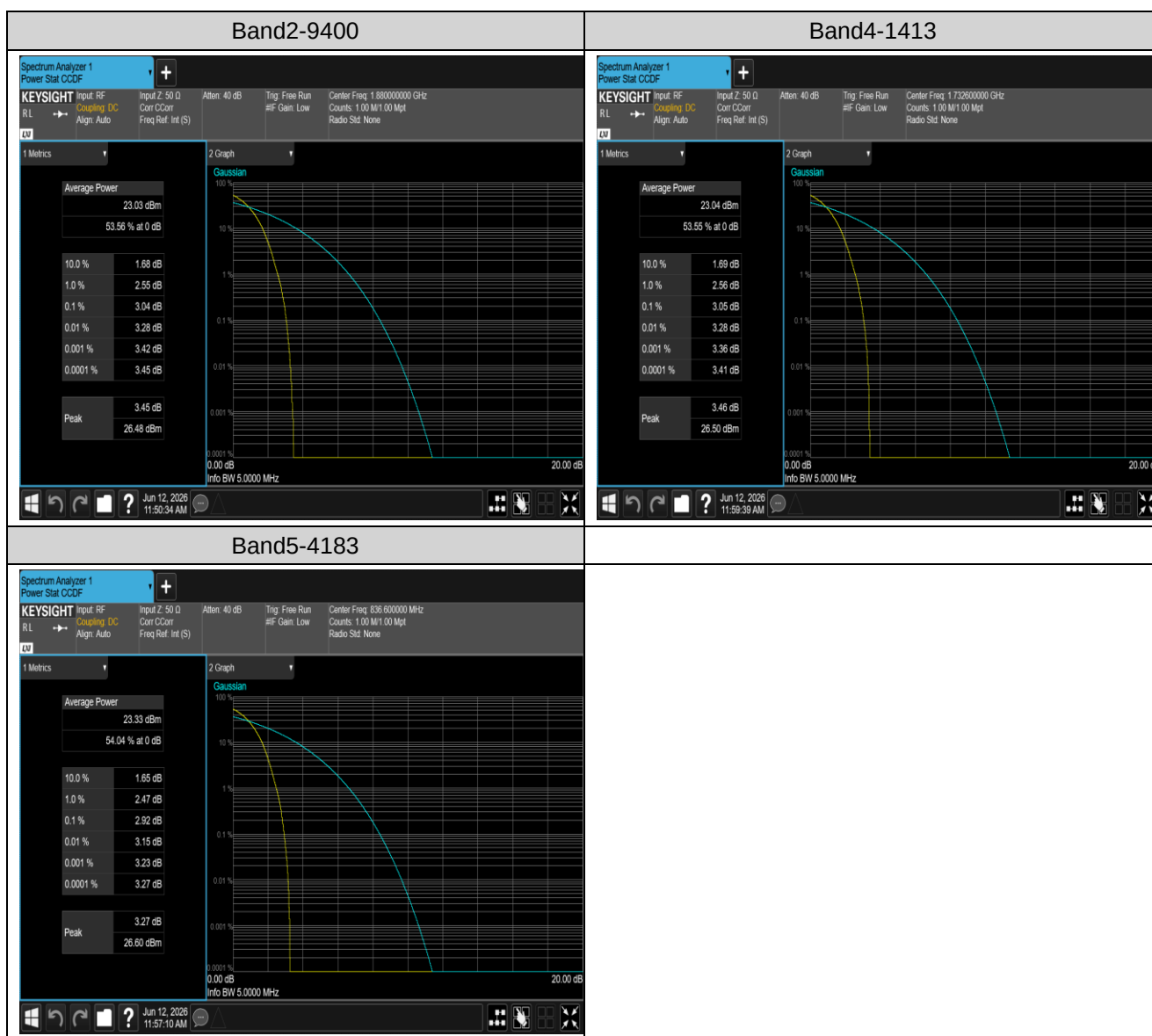
## AppendixB:Peak-to-Average Ratio

### Test Result(WCDMA)

| Band  | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-------|---------|---------------------------|-----------|---------|
| Band2 | 9400    | 3.04                      | 13        | PASS    |
| Band4 | 1413    | 3.05                      | 13        | PASS    |
| Band5 | 4183    | 2.92                      | 13        | PASS    |

Remark: All channel had been tested, but only the worst case data displayed in this report.

### Test Graphs(WCDMA)

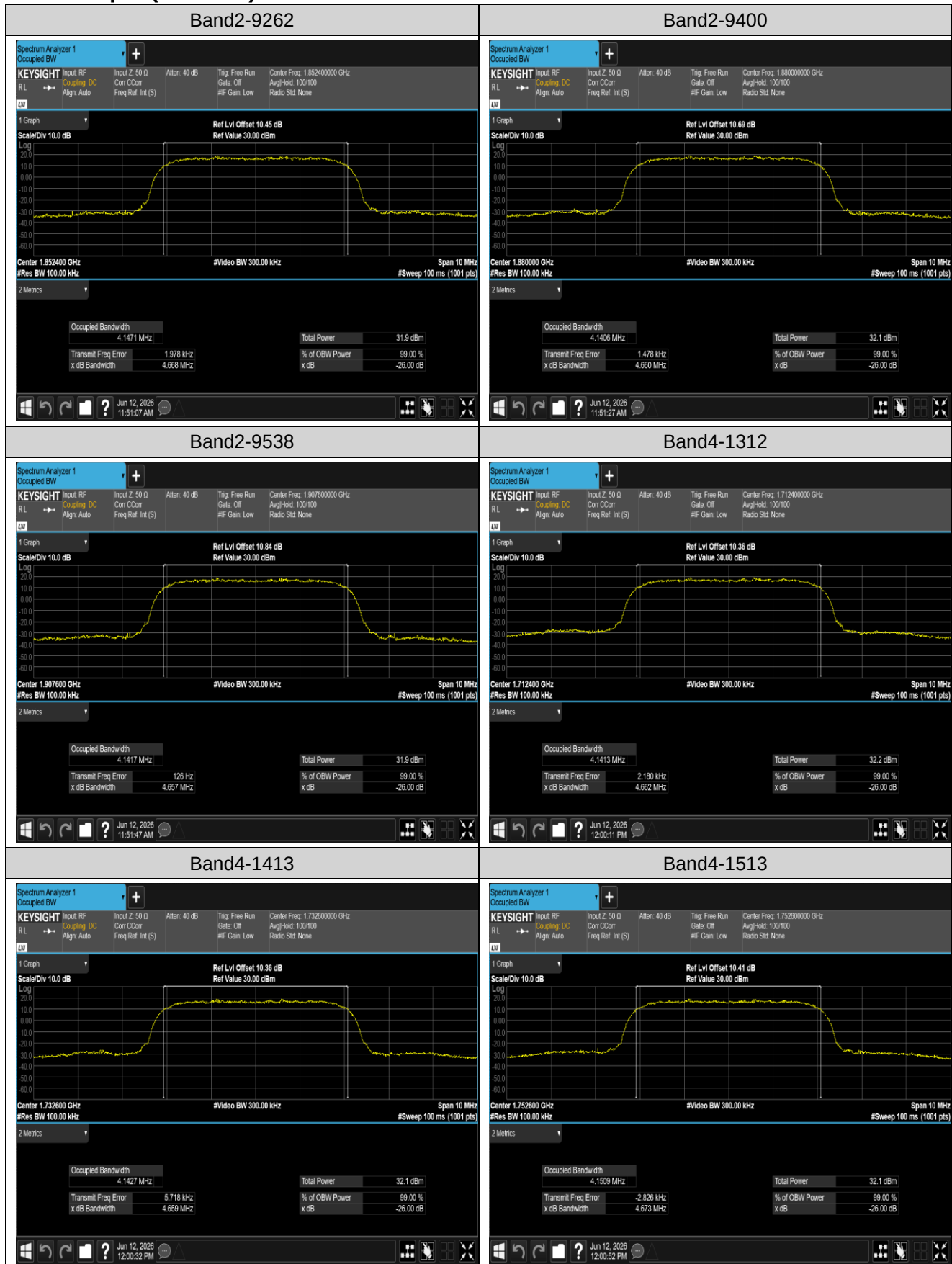


## AppendixC:26dB Bandwidth andOccupied Bandwidth

### Test Result(WCDMA)

| Band  | Channel | Occupied Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Limit(kHz) | Verdict |
|-------|---------|-----------------------------|-------------------------|------------|---------|
| Band2 | 9262    | 4.1471                      | 4.668                   | ---        | PASS    |
| Band2 | 9400    | 4.1406                      | 4.660                   | ---        | PASS    |
| Band2 | 9538    | 4.1417                      | 4.657                   | ---        | PASS    |
| Band4 | 1312    | 4.1413                      | 4.662                   | ---        | PASS    |
| Band4 | 1413    | 4.1427                      | 4.659                   | ---        | PASS    |
| Band4 | 1513    | 4.1509                      | 4.673                   | ---        | PASS    |
| Band5 | 4132    | 4.1453                      | 4.671                   | ---        | PASS    |
| Band5 | 4183    | 4.1421                      | 4.672                   | ---        | PASS    |
| Band5 | 4233    | 4.1436                      | 4.673                   | ---        | PASS    |

## Test Graphs(WCDMA)



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Project No.: JYTSZR2606015

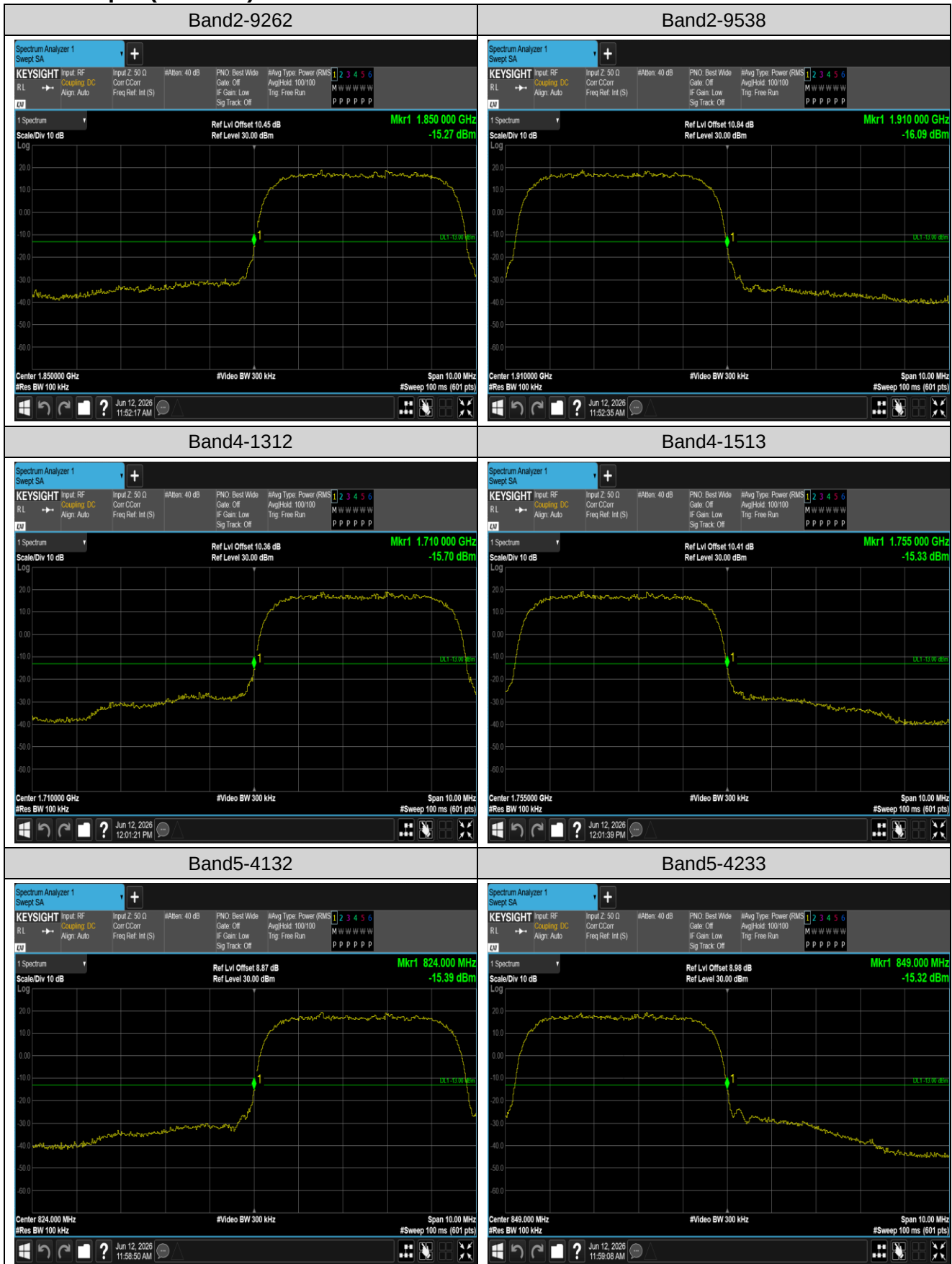


## AppendixD:Band Edge

### Test Result(WCDMA)

| Band  | Channel | Frequency (MHz) | Result (dBm) | Limit(dBm) | Verdict |
|-------|---------|-----------------|--------------|------------|---------|
| Band2 | 9262    | 1850.00         | -15.27       | -13        | PASS    |
| Band2 | 9538    | 1910.00         | -16.09       | -13        | PASS    |
| Band4 | 1312    | 1710.00         | -15.70       | -13        | PASS    |
| Band4 | 1513    | 1755.00         | -15.33       | -13        | PASS    |
| Band5 | 4132    | 824.00          | -15.39       | -13        | PASS    |
| Band5 | 4233    | 849.00          | -15.32       | -13        | PASS    |

## Test Graphs(WCDMA)



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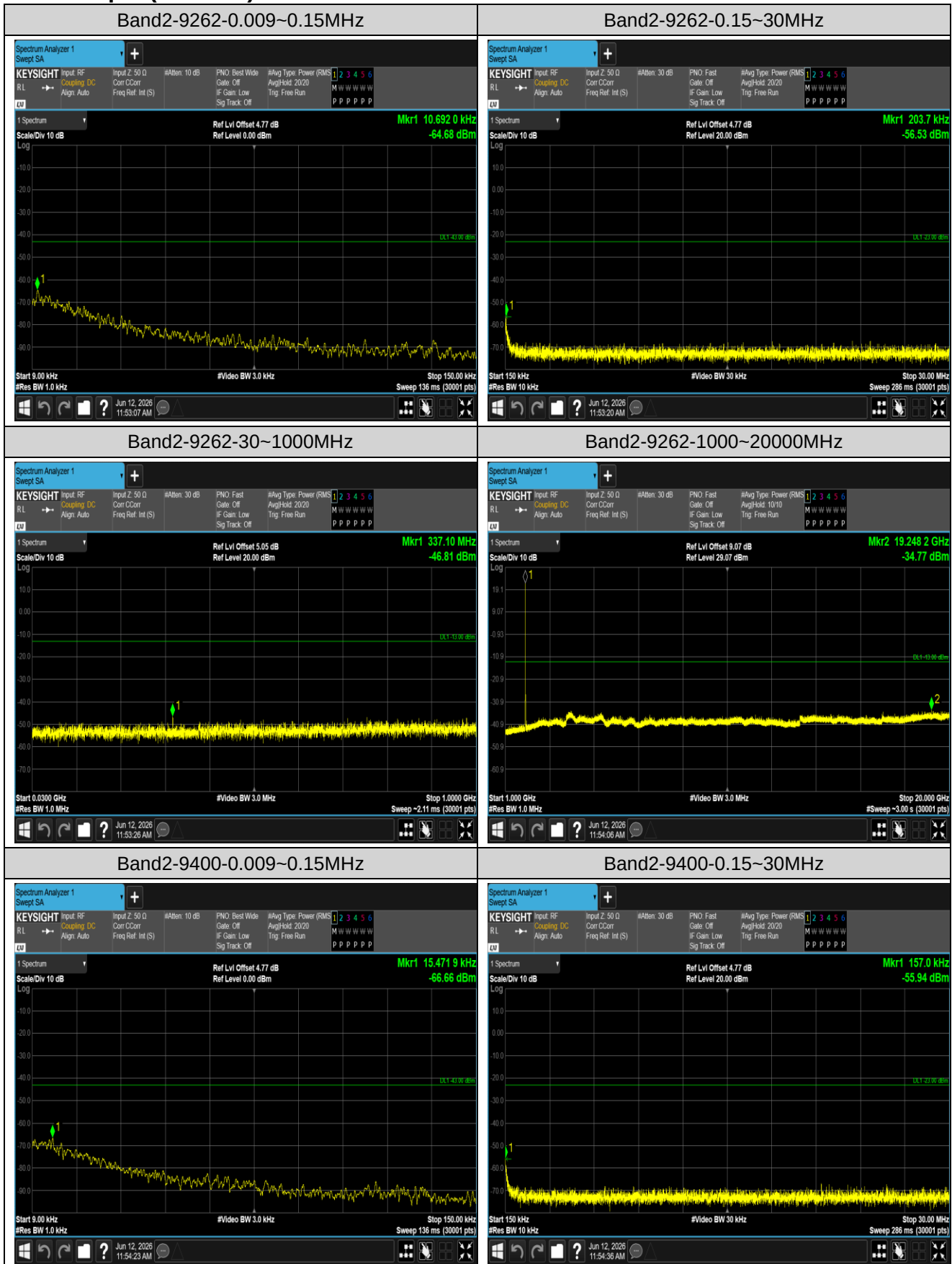
Project No.: JYTSZR2606015

## AppendixE:Conducted SpuriousEmission

### Test Result(WCDMA)

| Band  | Channel | Frequency Range (Mhz) | Frequency (dBm) | Result (dBm) | Limit (dBm) | Verdict |
|-------|---------|-----------------------|-----------------|--------------|-------------|---------|
| Band2 | 9262    | 0.009~0.15MHz         | 0.01            | -64.68       | -43         | PASS    |
| Band2 | 9262    | 0.15~30MHz            | 0.2             | -56.53       | -23         | PASS    |
| Band2 | 9262    | 30~1000MHz            | 337.1           | -46.81       | -13         | PASS    |
| Band2 | 9262    | 1000~20000MHz         | 19248.23        | -34.77       | -13         | PASS    |
| Band2 | 9400    | 0.009~0.15MHz         | 0.02            | -66.66       | -43         | PASS    |
| Band2 | 9400    | 0.15~30MHz            | 0.16            | -55.94       | -23         | PASS    |
| Band2 | 9400    | 30~1000MHz            | 913.12          | -45.92       | -13         | PASS    |
| Band2 | 9400    | 1000~20000MHz         | 19868.27        | -34.63       | -13         | PASS    |
| Band2 | 9538    | 0.009~0.15MHz         | 0.01            | -65.54       | -43         | PASS    |
| Band2 | 9538    | 0.15~30MHz            | 0.15            | -58.27       | -23         | PASS    |
| Band2 | 9538    | 30~1000MHz            | 822.55          | -46.97       | -13         | PASS    |
| Band2 | 9538    | 1000~20000MHz         | 19077.23        | -34.79       | -13         | PASS    |
| Band4 | 1312    | 0.009~0.15MHz         | 0.02            | -67.03       | -43         | PASS    |
| Band4 | 1312    | 0.15~30MHz            | 0.16            | -56.95       | -23         | PASS    |
| Band4 | 1312    | 30~1000MHz            | 800.86          | -45.67       | -13         | PASS    |
| Band4 | 1312    | 1000~20000MHz         | 3422.5          | -30.35       | -13         | PASS    |
| Band4 | 1413    | 0.009~0.15MHz         | 0.01            | -66.7        | -43         | PASS    |
| Band4 | 1413    | 0.15~30MHz            | 0.16            | -58.07       | -23         | PASS    |
| Band4 | 1413    | 30~1000MHz            | 859.03          | -46.61       | -13         | PASS    |
| Band4 | 1413    | 1000~20000MHz         | 19060.77        | -34.09       | -13         | PASS    |
| Band4 | 1513    | 0.009~0.15MHz         | 0.01            | -66.18       | -43         | PASS    |
| Band4 | 1513    | 0.15~30MHz            | 0.15            | -55.98       | -23         | PASS    |
| Band4 | 1513    | 30~1000MHz            | 675.28          | -46.2        | -13         | PASS    |
| Band4 | 1513    | 1000~20000MHz         | 3830.37         | -34.5        | -13         | PASS    |
| Band5 | 4132    | 0.009~0.15MHz         | 0.01            | -66.24       | -33         | PASS    |
| Band5 | 4132    | 0.15~30MHz            | 0.2             | -57.93       | -13         | PASS    |
| Band5 | 4132    | 30~1000MHz            | 475.13          | -54.58       | -13         | PASS    |
| Band5 | 4132    | 1000~10000MHz         | 3735.1          | -34.93       | -13         | PASS    |
| Band5 | 4183    | 0.009~0.15MHz         | 0.01            | -65.44       | -33         | PASS    |
| Band5 | 4183    | 0.15~30MHz            | 0.17            | -56.44       | -13         | PASS    |
| Band5 | 4183    | 30~1000MHz            | 960.49          | -55.9        | -13         | PASS    |
| Band5 | 4183    | 1000~10000MHz         | 3773.8          | -34.6        | -13         | PASS    |
| Band5 | 4233    | 0.009~0.15MHz         | 0.02            | -66.78       | -33         | PASS    |
| Band5 | 4233    | 0.15~30MHz            | 0.19            | -57.19       | -13         | PASS    |
| Band5 | 4233    | 30~1000MHz            | 980.73          | -56.12       | -13         | PASS    |
| Band5 | 4233    | 1000~10000MHz         | 3813.7          | -34.9        | -13         | PASS    |

## Test Graphs(WCDMA)

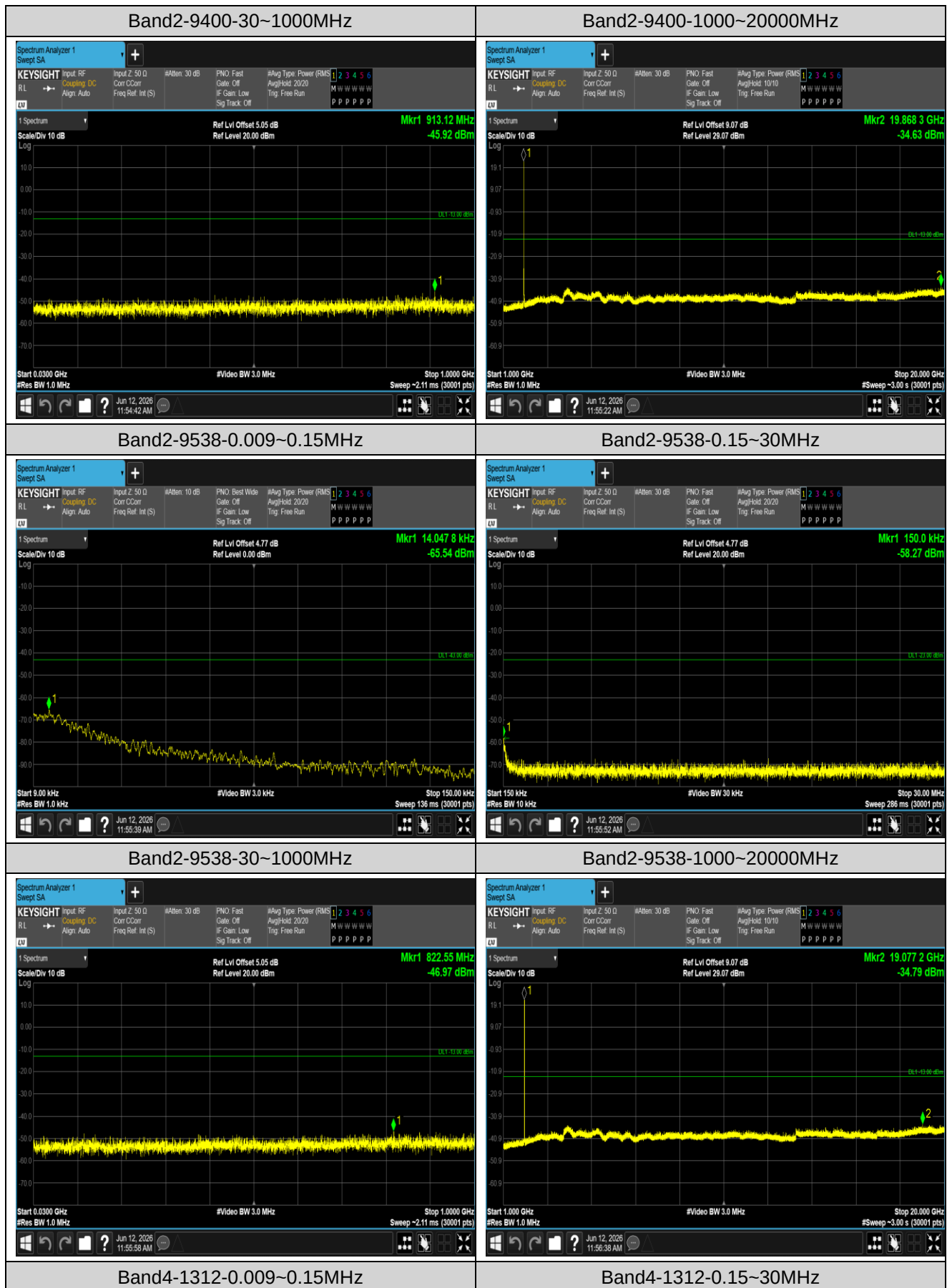


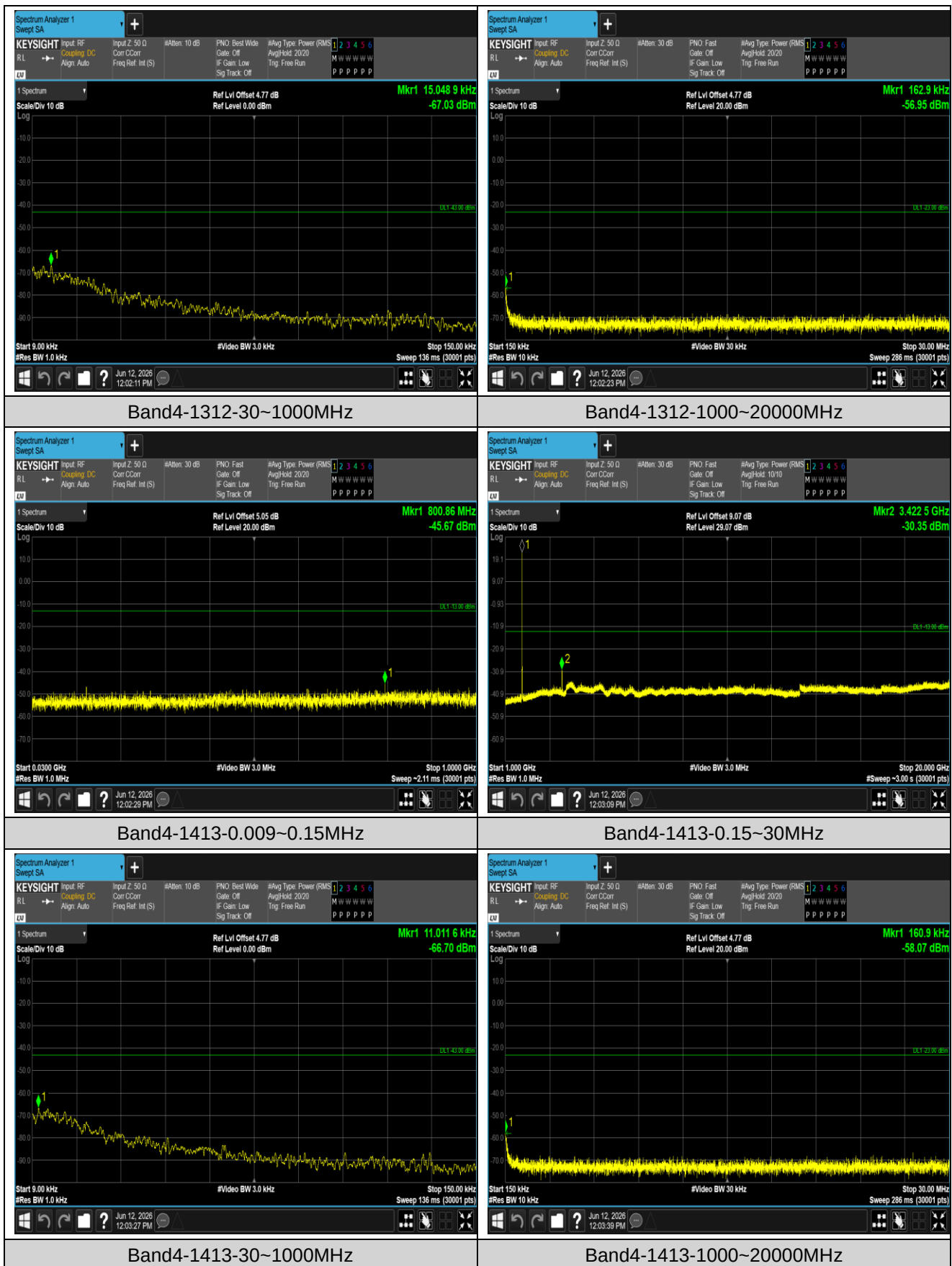
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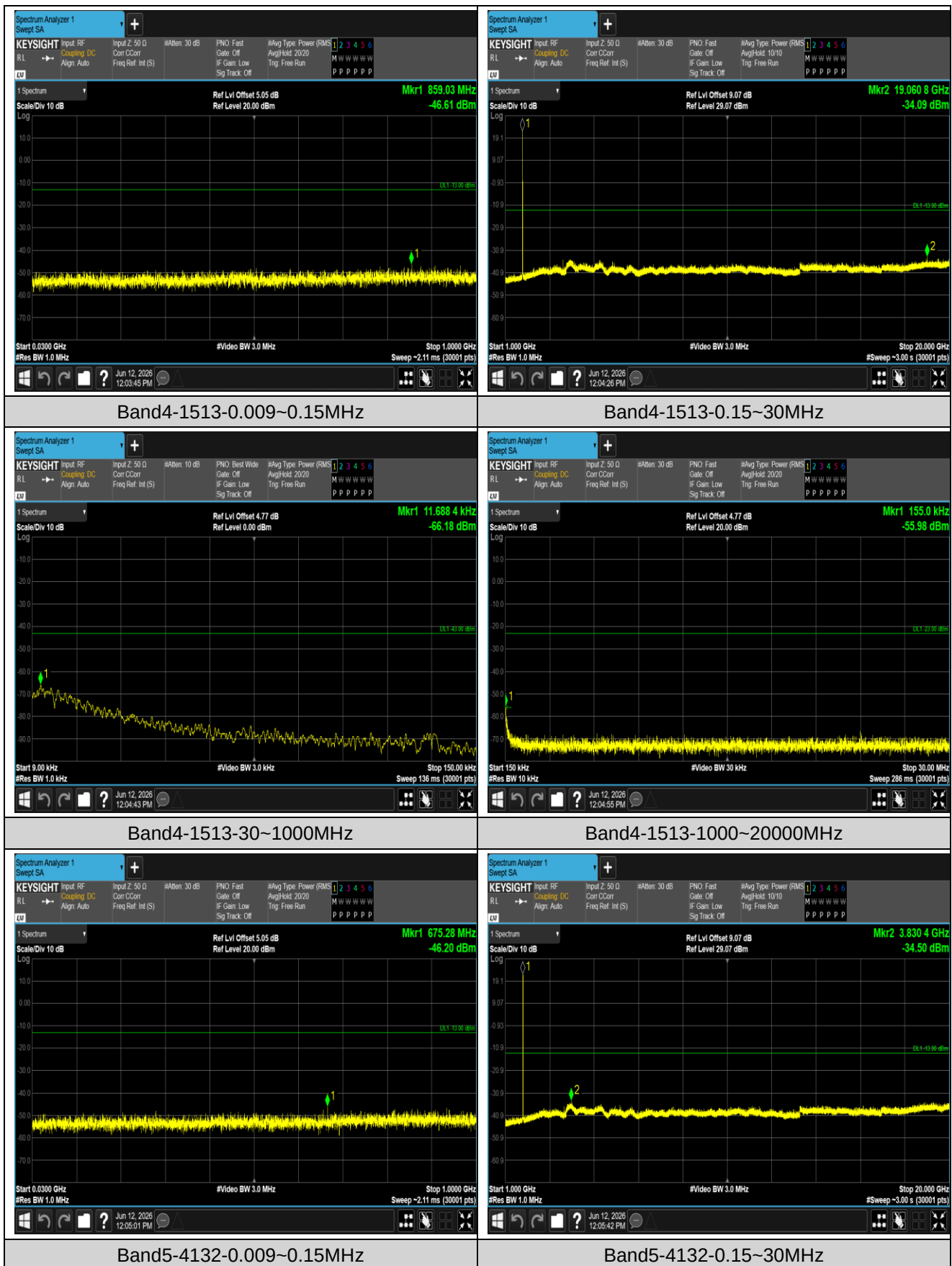
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

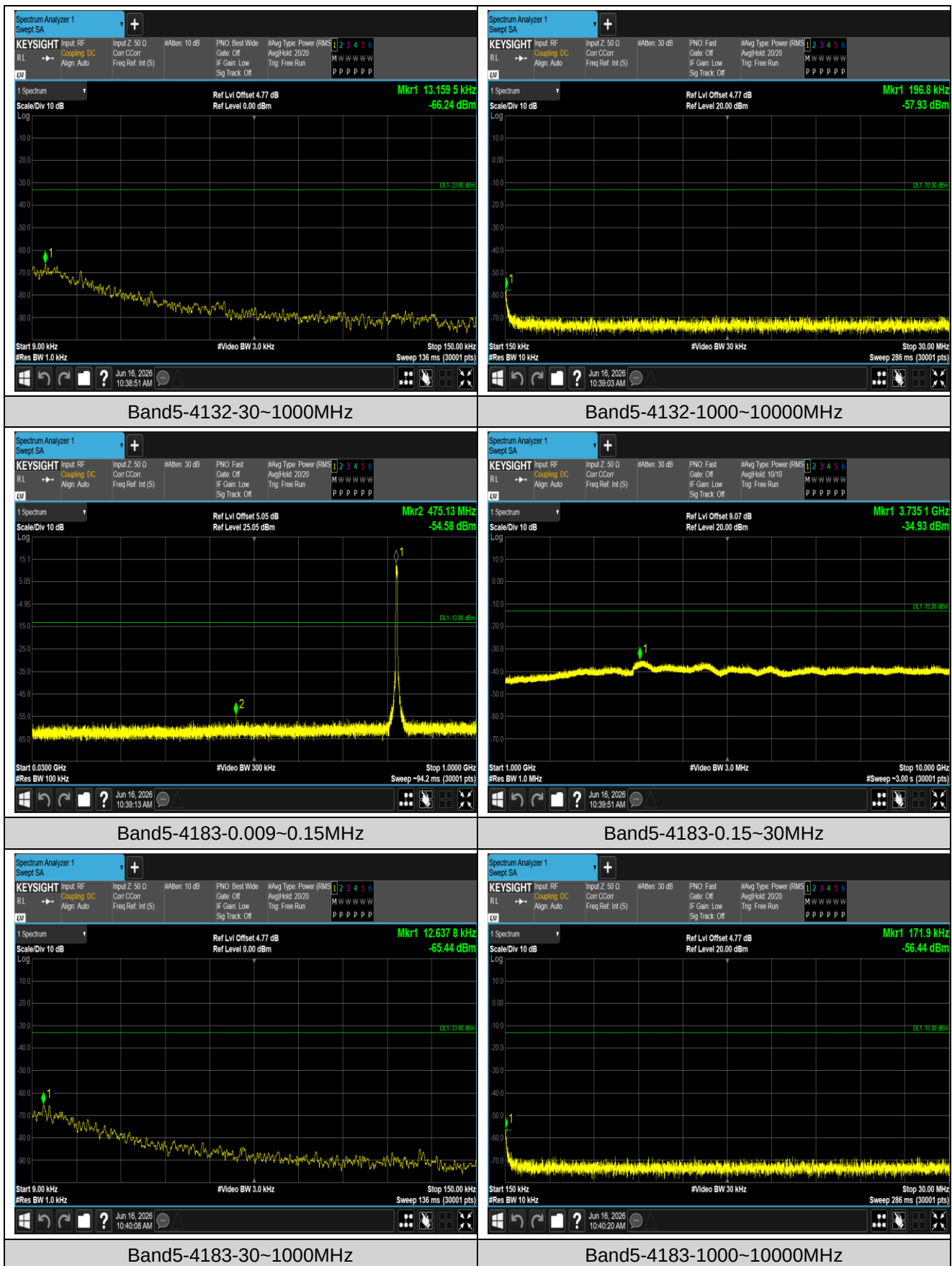
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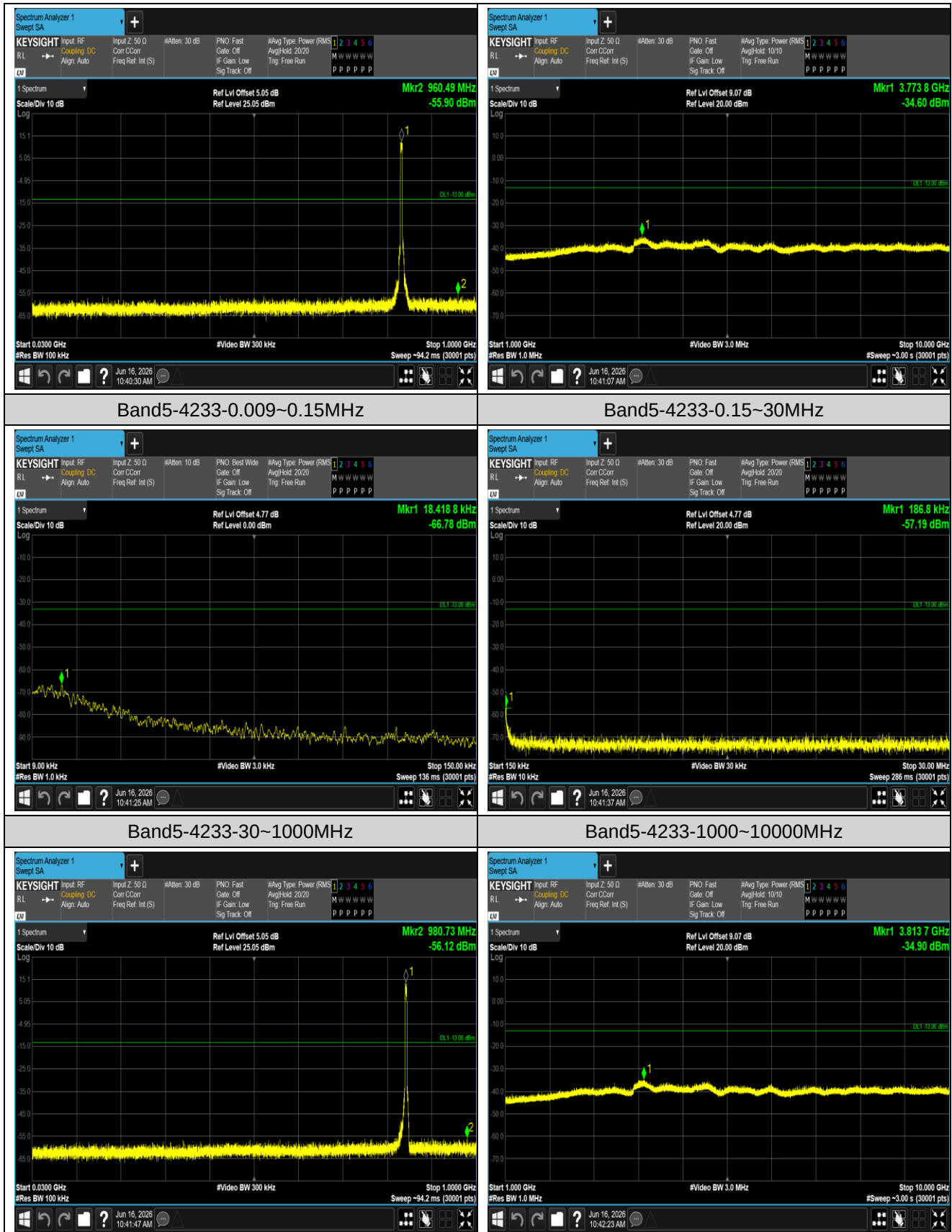
Project No.: JYTSZR2606015











## Appendix F: Frequency Stability

### Test Result

| Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz          |                         |                 |           |             |        |
|---------------------------------------------------------------------------------------------|-------------------------|-----------------|-----------|-------------|--------|
| Temperature                                                                                 |                         |                 |           |             |        |
| Power supplied<br>(Vdc)                                                                     | Temperature<br>(℃)      | Frequency error |           | Limit (ppm) | Result |
|                                                                                             |                         | Hz              | ppm       |             |        |
| 3.87                                                                                        | -30                     | 0.30            | 0.000359  | ±2.5        | Pass   |
|                                                                                             | -20                     | 0.26            | 0.000311  |             |        |
|                                                                                             | -10                     | 0.54            | 0.000645  |             |        |
|                                                                                             | 0                       | 0.01            | 0.000012  |             |        |
|                                                                                             | 10                      | 1.20            | 0.001434  |             |        |
|                                                                                             | 20                      | -1.09           | -0.001303 |             |        |
|                                                                                             | 30                      | 0.31            | 0.000371  |             |        |
|                                                                                             | 40                      | -1.45           | -0.001733 |             |        |
|                                                                                             | 50                      | -0.97           | -0.001159 |             |        |
| Voltage                                                                                     |                         |                 |           |             |        |
| Temperature<br>(℃)                                                                          | Power supplied<br>(Vdc) | Frequency error |           | Limit (ppm) | Result |
|                                                                                             |                         | Hz              | ppm       |             |        |
| 25                                                                                          | 3.50                    | 0.79            | 0.000944  | ±2.5        | Pass   |
|                                                                                             | 3.87                    | 1.17            | 0.001399  |             |        |
|                                                                                             | 4.20                    | 0.21            | 0.000251  |             |        |
| Remark: All channel had been tested, but only the worst case data displayed in this report. |                         |                 |           |             |        |

| Reference Frequency: WCDMA BAND IV 12.2k RMC Middle Frequency=1413 channel=1732.6MHz        |                         |                 |           |                                       |        |
|---------------------------------------------------------------------------------------------|-------------------------|-----------------|-----------|---------------------------------------|--------|
| Temperature                                                                                 |                         |                 |           |                                       |        |
| Power supplied<br>(Vdc)                                                                     | Temperature<br>(℃)      | Frequency error |           | Limit (ppm)                           | Result |
|                                                                                             |                         | Hz              | ppm       |                                       |        |
| 3.87                                                                                        | -30                     | -7.09           | -0.004092 | Within authorized<br>band for BAND IV | Pass   |
|                                                                                             | -20                     | -7.16           | -0.004133 |                                       |        |
|                                                                                             | -10                     | -5.26           | -0.003036 |                                       |        |
|                                                                                             | 0                       | -6.01           | -0.003469 |                                       |        |
|                                                                                             | 10                      | -2.51           | -0.001449 |                                       |        |
|                                                                                             | 20                      | 5.39            | 0.003111  |                                       |        |
|                                                                                             | 30                      | 9.67            | 0.005581  |                                       |        |
|                                                                                             | 40                      | 0.00            | 0.000000  |                                       |        |
|                                                                                             | 50                      | 6.79            | 0.003919  |                                       |        |
| Voltage                                                                                     |                         |                 |           |                                       |        |
| Temperature<br>(℃)                                                                          | Power supplied<br>(Vdc) | Frequency error |           | Limit (ppm)                           | Result |
|                                                                                             |                         | Hz              | ppm       |                                       |        |
| 25                                                                                          | 3.50                    | -0.61           | -0.000352 | Within authorized<br>band for BAND IV | Pass   |
|                                                                                             | 3.87                    | 5.84            | 0.003371  |                                       |        |
|                                                                                             | 4.20                    | -3.28           | -0.001893 |                                       |        |
| Remark: All channel had been tested, but only the worst case data displayed in this report. |                         |                 |           |                                       |        |

| Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz          |                         |                 |           |                                       |        |
|---------------------------------------------------------------------------------------------|-------------------------|-----------------|-----------|---------------------------------------|--------|
| Temperature                                                                                 |                         |                 |           |                                       |        |
| Power supplied<br>(Vdc)                                                                     | Temperature<br>(°C)     | Frequency error |           | Limit (ppm)                           | Result |
|                                                                                             |                         | Hz              | ppm       |                                       |        |
| 3.87                                                                                        | -30                     | 1.65            | 0.000878  | Within authorized<br>band for BAND II | Pass   |
|                                                                                             | -20                     | -5.86           | -0.003117 |                                       |        |
|                                                                                             | -10                     | -11.23          | -0.005973 |                                       |        |
|                                                                                             | 0                       | 0.62            | 0.000330  |                                       |        |
|                                                                                             | 10                      | 3.55            | 0.001888  |                                       |        |
|                                                                                             | 20                      | 3.01            | 0.001601  |                                       |        |
|                                                                                             | 30                      | 1.60            | 0.000851  |                                       |        |
|                                                                                             | 40                      | -6.47           | -0.003441 |                                       |        |
|                                                                                             | 50                      | -2.04           | -0.001085 |                                       |        |
| Voltage                                                                                     |                         |                 |           |                                       |        |
| Temperature<br>(°C)                                                                         | Power supplied<br>(Vdc) | Frequency error |           | Limit (ppm)                           | Result |
|                                                                                             |                         | Hz              | ppm       |                                       |        |
| 25                                                                                          | 3.50                    | -7.75           | -0.004122 | Within authorized<br>band for BAND II | Pass   |
|                                                                                             | 3.87                    | -8.08           | -0.004298 |                                       |        |
|                                                                                             | 4.20                    | -0.88           | -0.000468 |                                       |        |
| Remark: All channel had been tested, but only the worst case data displayed in this report. |                         |                 |           |                                       |        |

## Appendix G: Modulation Characteristics

### Test Result

| Band  | Channel | Result | Verdict |
|-------|---------|--------|---------|
| Band2 | 9400    | PASS   | PASS    |
| Band4 | 1413    | PASS   | PASS    |
| Band5 | 4183    | PASS   | PASS    |

Remark: All channel had been tested, but only the worst case data displayed in this report.

### Test Graphs

