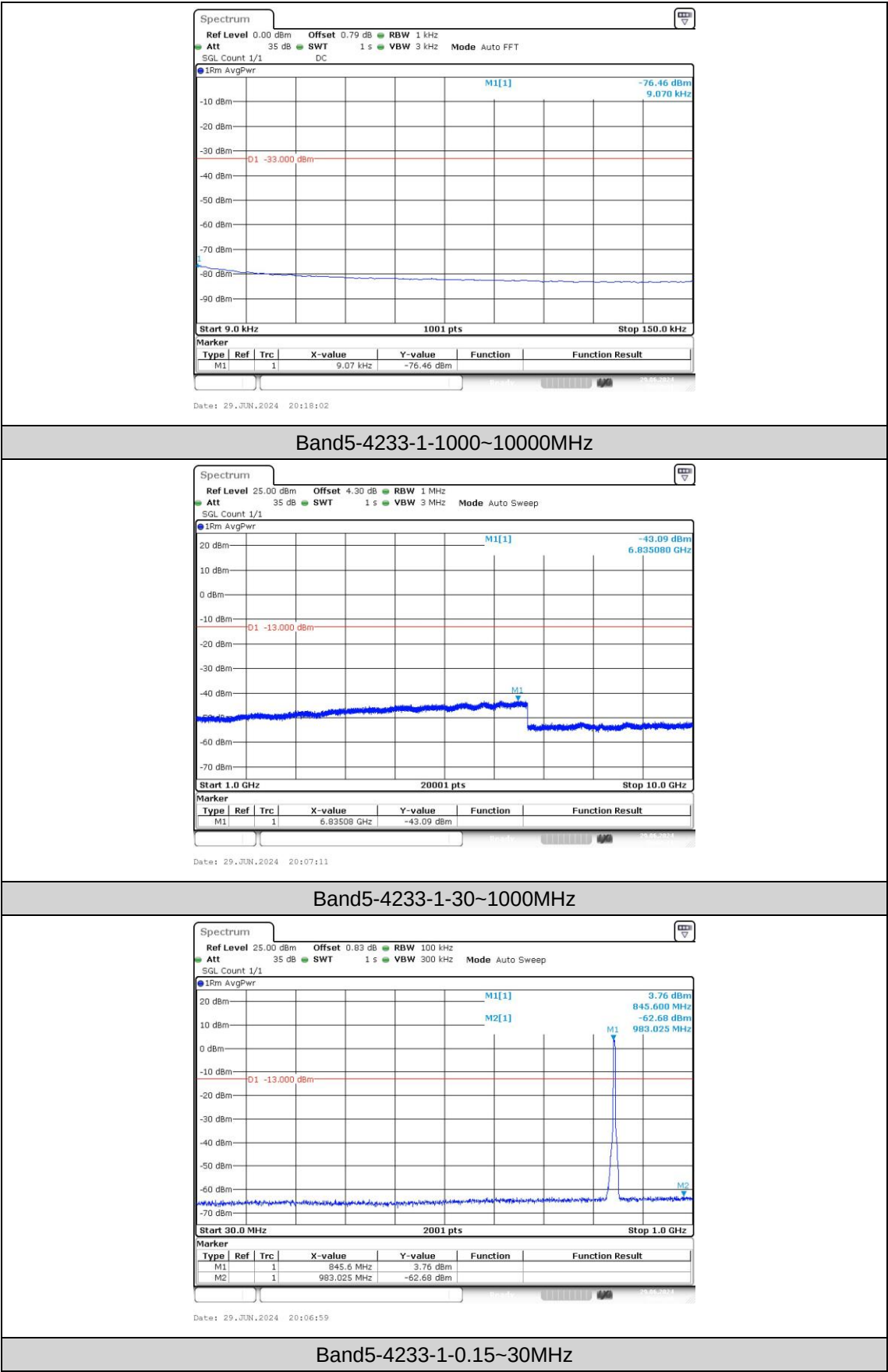
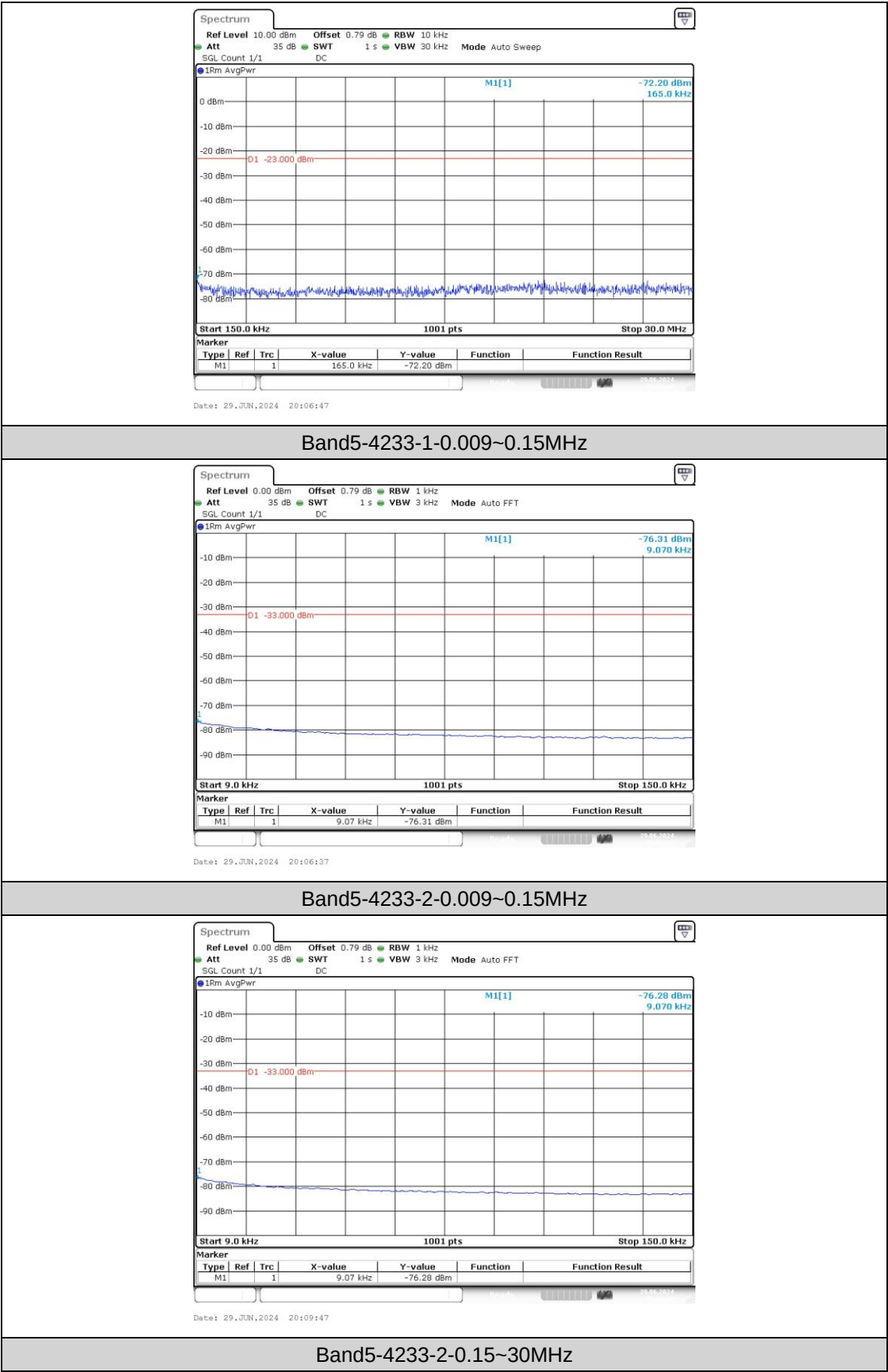
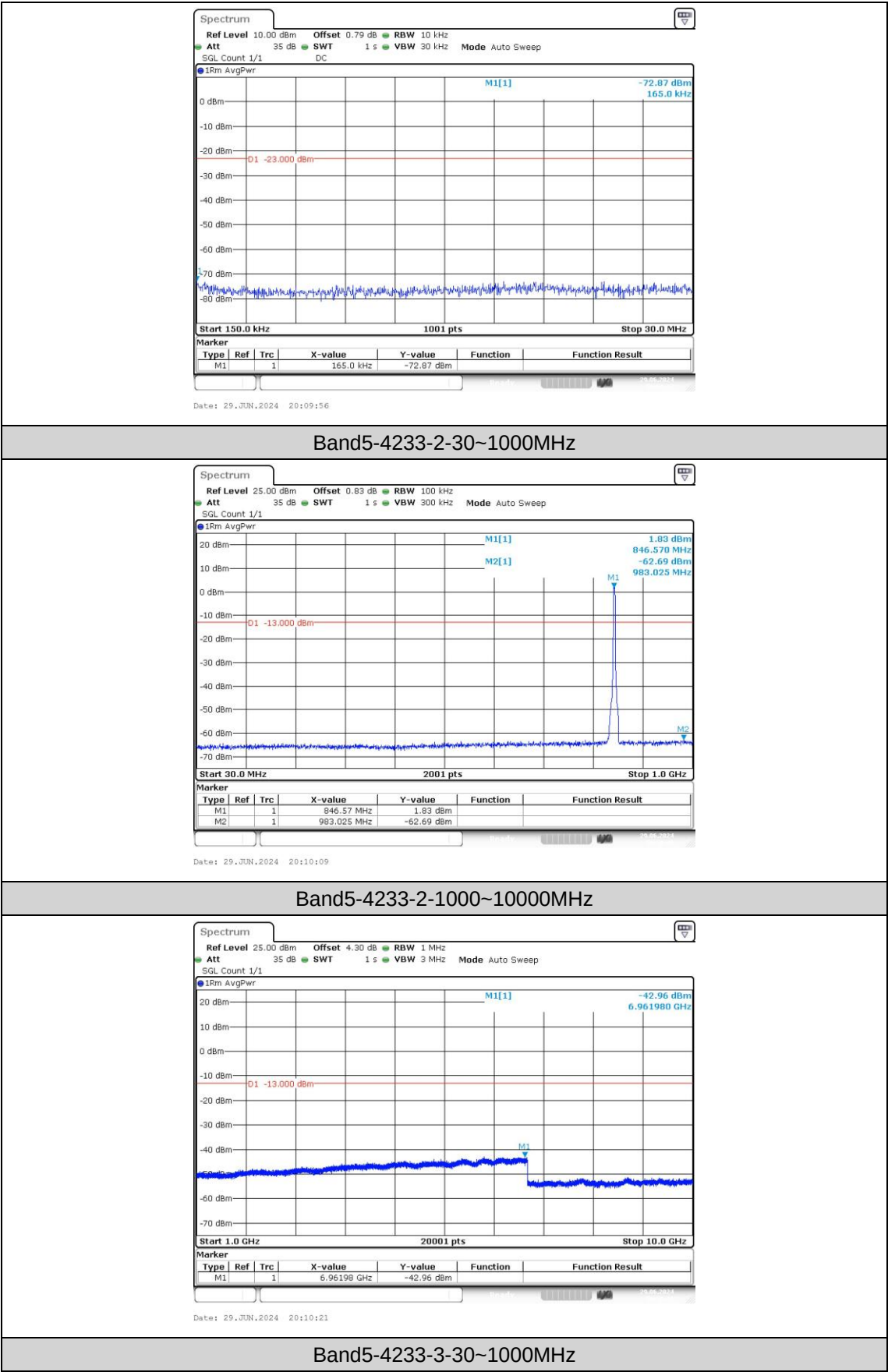
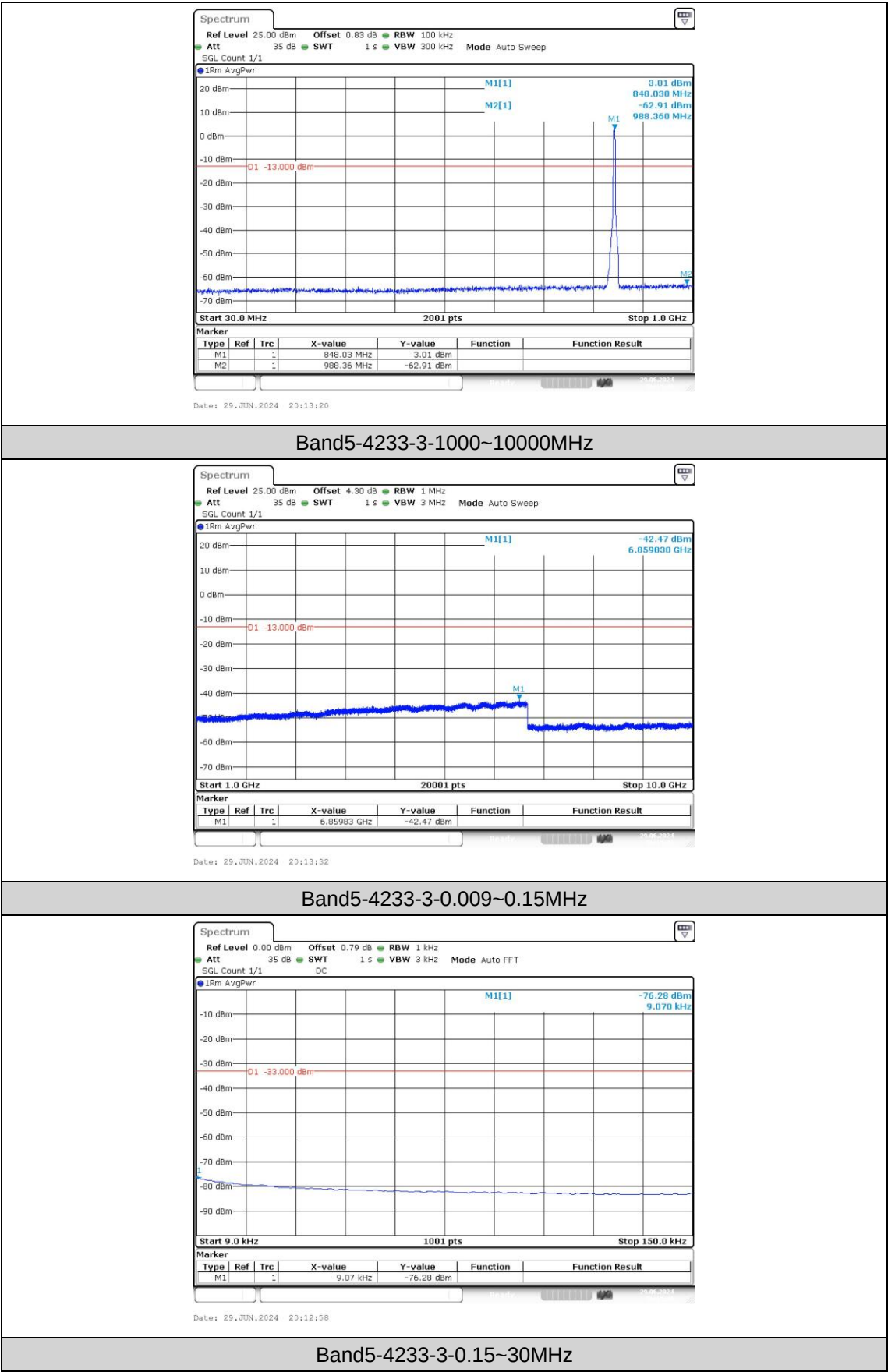
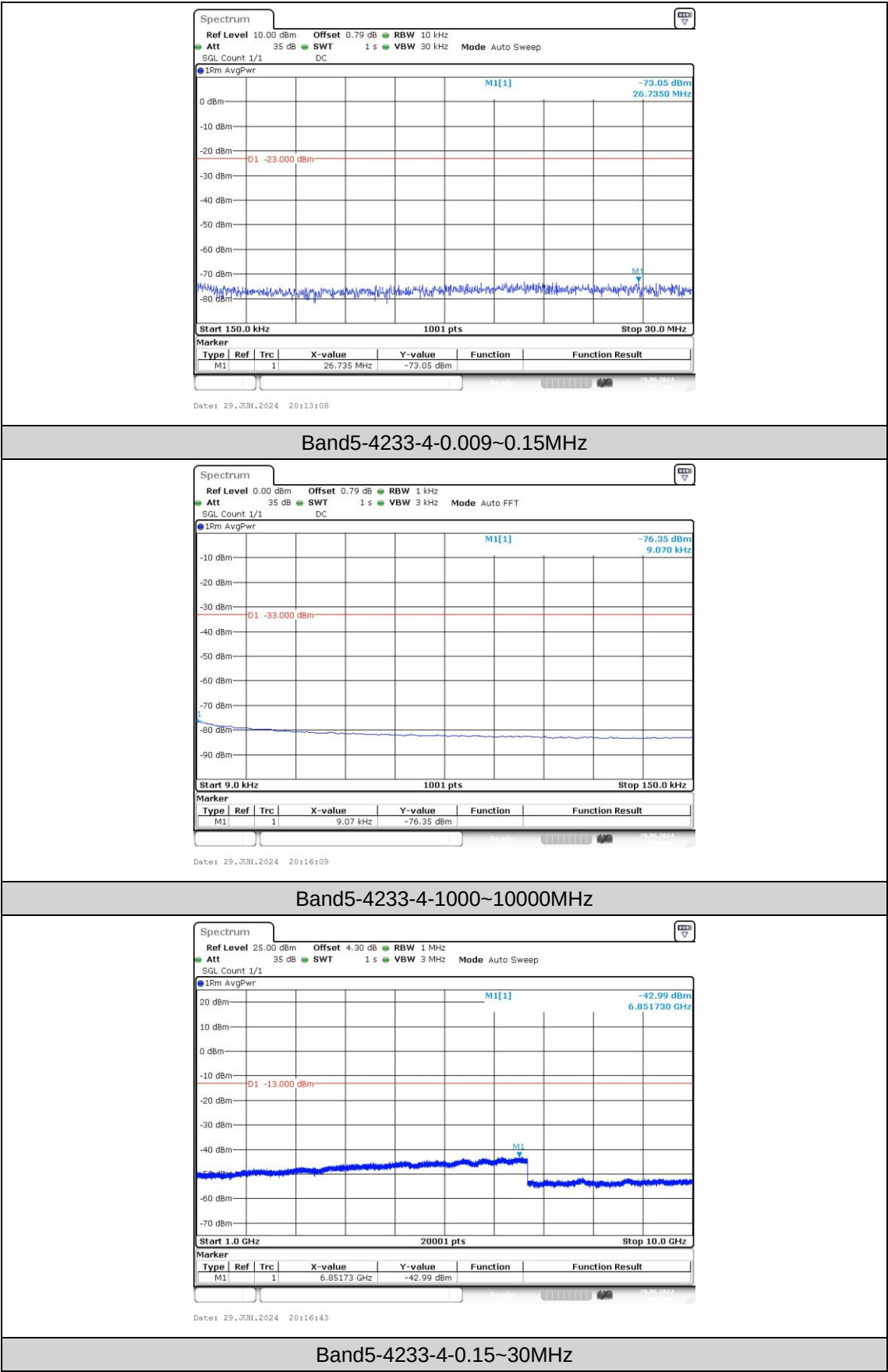


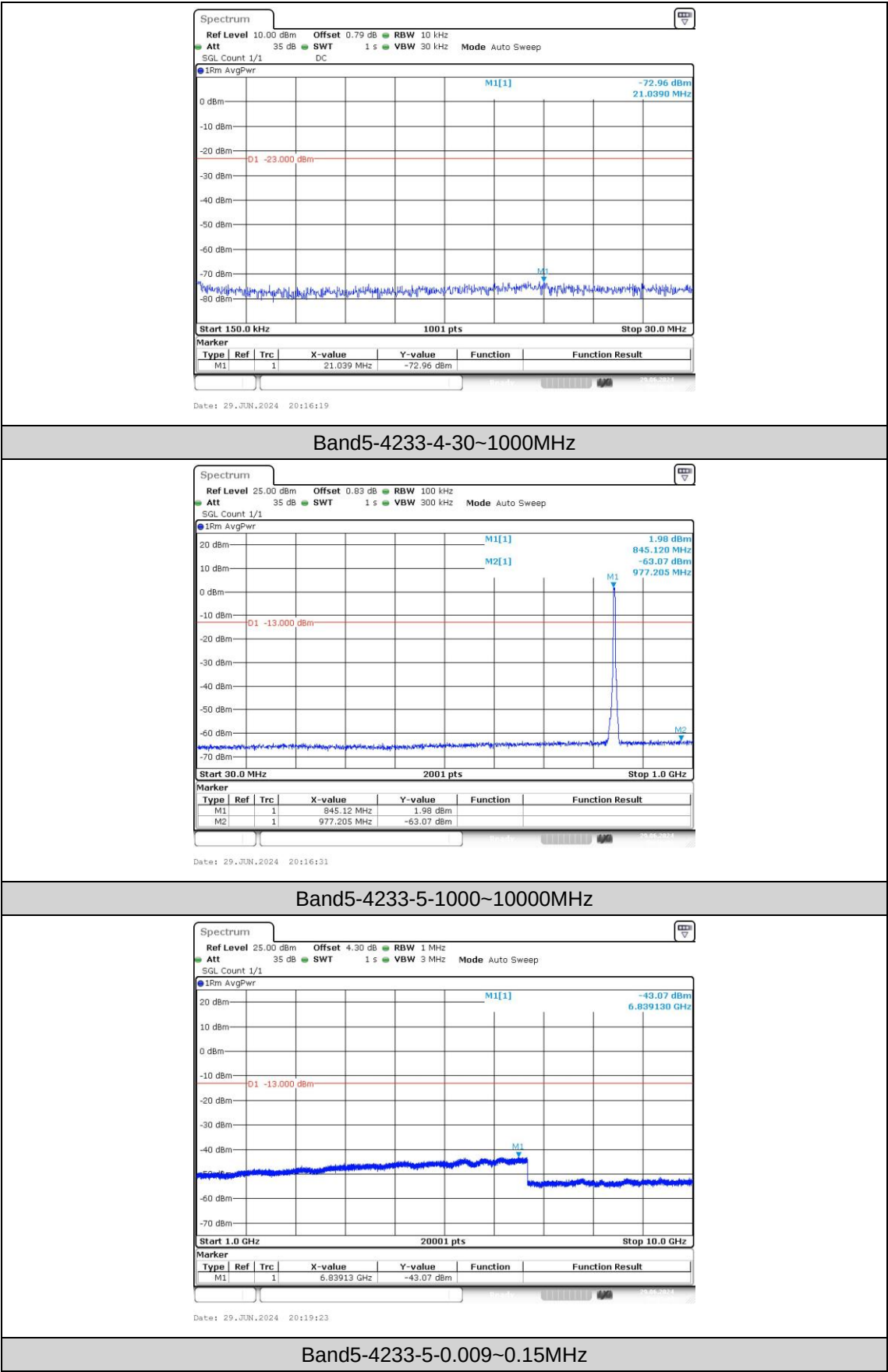


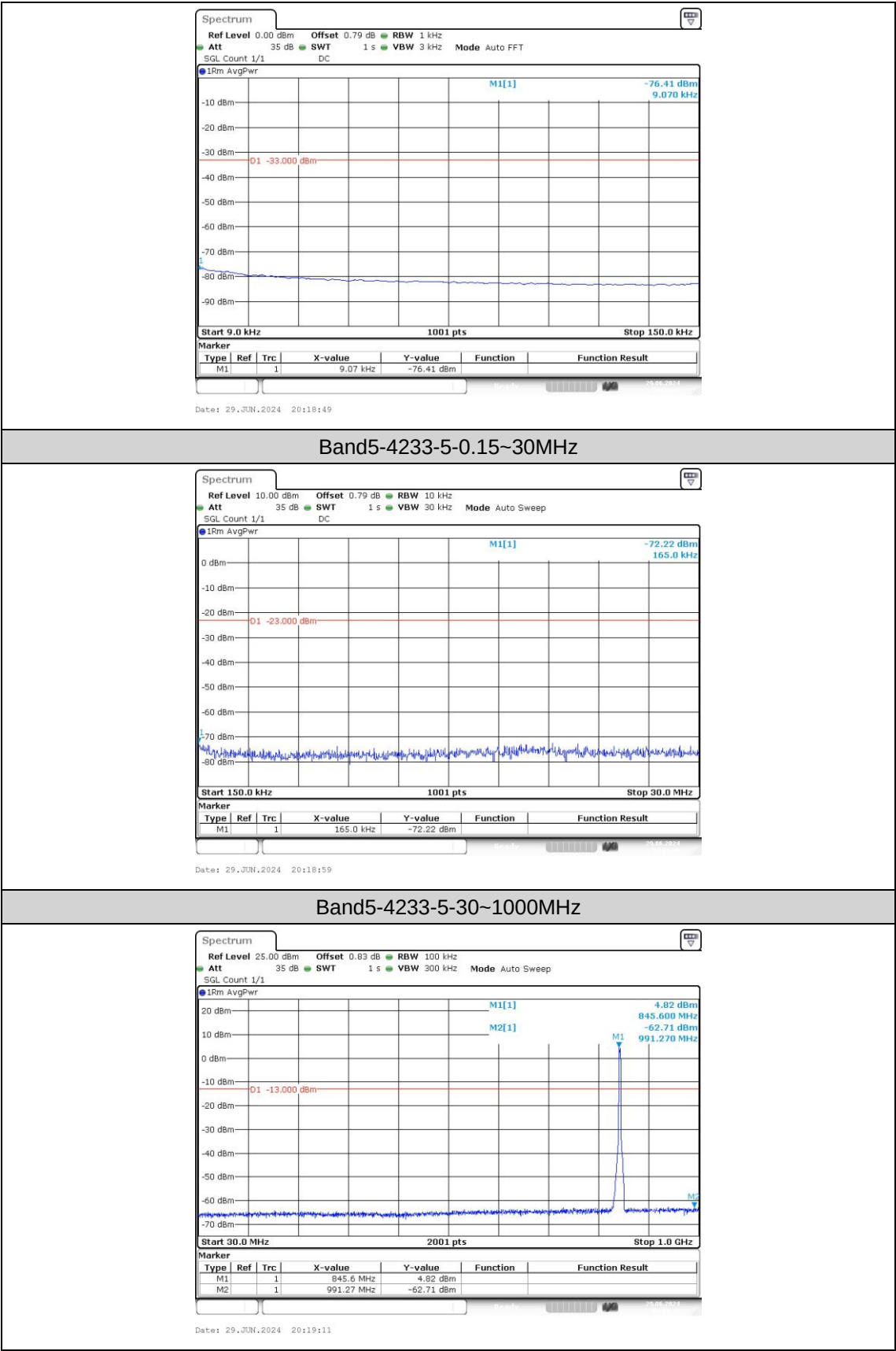












## AppendixF:Frequency Stability

### Test Result

| Voltage |         |               |                  |                |                 |             |         |
|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 4132    | VL            | NT               | 1.26           | 0.001525        | ±2.5        | PASS    |
| Band5   | 4132    | VN            | NT               | 1.21           | 0.001464        | ±2.5        | PASS    |
| Band5   | 4132    | VH            | NT               | 1.33           | 0.001609        | ±2.5        | PASS    |
| Band5   | 4182    | VL            | NT               | -0.88          | -0.001052       | ±2.5        | PASS    |
| Band5   | 4182    | VN            | NT               | 0.21           | 0.000251        | ±2.5        | PASS    |
| Band5   | 4182    | VH            | NT               | -0.47          | -0.000562       | ±2.5        | PASS    |
| Band5   | 4233    | VL            | NT               | -2.30          | -0.002717       | ±2.5        | PASS    |
| Band5   | 4233    | VN            | NT               | -2.58          | -0.003047       | ±2.5        | PASS    |
| Band5   | 4233    | VH            | NT               | -2.30          | -0.002717       | ±2.5        | PASS    |

| Temperature |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 4132    | NV            | -30              | 1.35           | 0.001634        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | -20              | 1.12           | 0.001355        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | -10              | 1.17           | 0.001416        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 0                | 1.76           | 0.002130        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 10               | 1.39           | 0.001682        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 20               | 1.34           | 0.001621        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 30               | 1.82           | 0.002202        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 40               | 1.68           | 0.002033        | ±2.5        | PASS    |
| Band5       | 4132    | NV            | 50               | 0.94           | 0.001137        | ±2.5        | PASS    |
| Band5       | 4182    | NV            | -30              | -0.08          | -0.000096       | ±2.5        | PASS    |
| Band5       | 4182    | NV            | -20              | -0.26          | -0.000311       | ±2.5        | PASS    |
| Band5       | 4182    | NV            | -10              | -0.54          | -0.000646       | ±2.5        | PASS    |
| Band5       | 4182    | NV            | 0                | -0.44          | -0.000526       | ±2.5        | PASS    |
| Band5       | 4182    | NV            | 10               | -0.45          | -0.000538       | ±2.5        | PASS    |
| Band5       | 4182    | NV            | 20               | -0.37          | -0.000442       | ±2.5        | PASS    |
| Band5       | 4182    | NV            | 30               | -0.77          | -0.000921       | ±2.5        | PASS    |
| Band5       | 4182    | NV            | 40               | -0.24          | -0.000287       | ±2.5        | PASS    |
| Band5       | 4182    | NV            | 50               | -0.38          | -0.000454       | ±2.5        | PASS    |
| Band5       | 4233    | NV            | -30              | -2.56          | -0.003024       | ±2.5        | PASS    |
| Band5       | 4233    | NV            | -20              | -2.65          | -0.003130       | ±2.5        | PASS    |



|       |      |    |     |       |           |      |      |
|-------|------|----|-----|-------|-----------|------|------|
| Band5 | 4233 | NV | -10 | -2.72 | -0.003213 | ±2.5 | PASS |
| Band5 | 4233 | NV | 0   | -2.88 | -0.003402 | ±2.5 | PASS |
| Band5 | 4233 | NV | 10  | -2.07 | -0.002445 | ±2.5 | PASS |
| Band5 | 4233 | NV | 20  | -2.20 | -0.002599 | ±2.5 | PASS |
| Band5 | 4233 | NV | 30  | -2.62 | -0.003095 | ±2.5 | PASS |
| Band5 | 4233 | NV | 40  | -2.52 | -0.002977 | ±2.5 | PASS |
| Band5 | 4233 | NV | 50  | -2.33 | -0.002752 | ±2.5 | PASS |

| Voltage |         |          |               |                  |                |                 |             |         |
|---------|---------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Sub Test | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 4132    | 1        | VL            | NT               | 1.08           | 0.001307        | ±2.5        | PASS    |
| Band5   | 4132    | 1        | VN            | NT               | 1.46           | 0.001767        | ±2.5        | PASS    |
| Band5   | 4132    | 1        | VH            | NT               | 1.42           | 0.001718        | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VL            | NT               | 1.82           | 0.002202        | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VN            | NT               | 1.95           | 0.002360        | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VH            | NT               | 1.21           | 0.001464        | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VL            | NT               | 1.62           | 0.001960        | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VN            | NT               | 1.91           | 0.002311        | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VH            | NT               | 1.86           | 0.002251        | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VL            | NT               | 1.87           | 0.002263        | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VN            | NT               | 1.94           | 0.002348        | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VH            | NT               | 1.47           | 0.001779        | ±2.5        | PASS    |
| Band5   | 4182    | 1        | VL            | NT               | 1.88           | 0.002248        | ±2.5        | PASS    |
| Band5   | 4182    | 1        | VN            | NT               | 1.60           | 0.001913        | ±2.5        | PASS    |
| Band5   | 4182    | 1        | VH            | NT               | 1.86           | 0.002224        | ±2.5        | PASS    |
| Band5   | 4182    | 2        | VL            | NT               | 1.87           | 0.002236        | ±2.5        | PASS    |
| Band5   | 4182    | 2        | VN            | NT               | 1.76           | 0.002104        | ±2.5        | PASS    |
| Band5   | 4182    | 2        | VH            | NT               | 1.10           | 0.001315        | ±2.5        | PASS    |
| Band5   | 4182    | 3        | VL            | NT               | 1.33           | 0.001590        | ±2.5        | PASS    |
| Band5   | 4182    | 3        | VN            | NT               | 1.44           | 0.001722        | ±2.5        | PASS    |
| Band5   | 4182    | 3        | VH            | NT               | 1.49           | 0.001781        | ±2.5        | PASS    |
| Band5   | 4182    | 4        | VL            | NT               | 1.87           | 0.002236        | ±2.5        | PASS    |
| Band5   | 4182    | 4        | VN            | NT               | 1.53           | 0.001829        | ±2.5        | PASS    |
| Band5   | 4182    | 4        | VH            | NT               | 2.03           | 0.002427        | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VL            | NT               | 1.62           | 0.001914        | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VN            | NT               | 1.71           | 0.002020        | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VH            | NT               | 1.61           | 0.001902        | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VL            | NT               | 1.80           | 0.002126        | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VN            | NT               | 1.79           | 0.002114        | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VH            | NT               | 1.81           | 0.002138        | ±2.5        | PASS    |

|       |      |   |    |    |      |          |      |      |
|-------|------|---|----|----|------|----------|------|------|
| Band5 | 4233 | 3 | VL | NT | 1.69 | 0.001996 | ±2.5 | PASS |
| Band5 | 4233 | 3 | VN | NT | 1.54 | 0.001819 | ±2.5 | PASS |
| Band5 | 4233 | 3 | VH | NT | 1.99 | 0.002351 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VL | NT | 1.20 | 0.001417 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VN | NT | 1.32 | 0.001559 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VH | NT | 0.97 | 0.001146 | ±2.5 | PASS |

| Temperature |         |          |               |                  |                |                 |             |         |
|-------------|---------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Sub Test | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 4132    | 1        | NV            | -30              | 1.55           | 0.001876        | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | -20              | 1.15           | 0.001392        | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | -10              | 1.74           | 0.002106        | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 0                | 2.03           | 0.002456        | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 10               | 1.70           | 0.002057        | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 20               | 1.85           | 0.002239        | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 30               | 1.97           | 0.002384        | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 40               | 1.82           | 0.002202        | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 50               | 1.73           | 0.002093        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -30              | 1.97           | 0.002384        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -20              | 1.70           | 0.002057        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -10              | 1.70           | 0.002057        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 0                | 1.45           | 0.001755        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 10               | 1.77           | 0.002142        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 20               | 1.61           | 0.001948        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 30               | 1.85           | 0.002239        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 40               | 1.45           | 0.001755        | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 50               | 1.84           | 0.002227        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -30              | 1.35           | 0.001634        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -20              | 1.40           | 0.001694        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -10              | 1.70           | 0.002057        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 0                | 1.32           | 0.001597        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 10               | 1.49           | 0.001803        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 20               | 1.78           | 0.002154        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 30               | 1.42           | 0.001718        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 40               | 2.06           | 0.002493        | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 50               | 2.26           | 0.002735        | ±2.5        | PASS    |
| Band5       | 4132    | 4        | NV            | -30              | 1.90           | 0.002299        | ±2.5        | PASS    |
| Band5       | 4132    | 4        | NV            | -20              | 1.85           | 0.002239        | ±2.5        | PASS    |
| Band5       | 4132    | 4        | NV            | -10              | 1.34           | 0.001621        | ±2.5        | PASS    |

|       |      |   |    |     |      |          |      |      |
|-------|------|---|----|-----|------|----------|------|------|
| Band5 | 4132 | 4 | NV | 0   | 1.50 | 0.001815 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 10  | 2.16 | 0.002614 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 20  | 1.50 | 0.001815 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 30  | 1.95 | 0.002360 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 40  | 1.67 | 0.002021 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 50  | 1.57 | 0.001900 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | -30 | 1.44 | 0.001722 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | -20 | 1.82 | 0.002176 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | -10 | 2.26 | 0.002702 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 0   | 1.87 | 0.002236 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 10  | 2.03 | 0.002427 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 20  | 1.94 | 0.002319 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 30  | 1.38 | 0.001650 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 40  | 1.14 | 0.001363 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 50  | 1.41 | 0.001686 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | -30 | 1.52 | 0.001817 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | -20 | 1.90 | 0.002272 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | -10 | 1.84 | 0.002200 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 0   | 1.14 | 0.001363 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 10  | 1.44 | 0.001722 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 20  | 1.17 | 0.001399 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 30  | 1.37 | 0.001638 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 40  | 1.65 | 0.001973 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 50  | 1.59 | 0.001901 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | -30 | 1.91 | 0.002284 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | -20 | 1.82 | 0.002176 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | -10 | 1.54 | 0.001841 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 0   | 2.15 | 0.002571 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 10  | 2.02 | 0.002415 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 20  | 1.90 | 0.002272 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 30  | 2.37 | 0.002834 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 40  | 1.74 | 0.002080 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 50  | 2.22 | 0.002654 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | -30 | 1.54 | 0.001841 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | -20 | 2.07 | 0.002475 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | -10 | 2.15 | 0.002571 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 0   | 1.13 | 0.001351 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 10  | 2.04 | 0.002439 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 20  | 1.75 | 0.002092 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 30  | 1.82 | 0.002176 | ±2.5 | PASS |

|       |      |   |    |     |      |          |      |      |
|-------|------|---|----|-----|------|----------|------|------|
| Band5 | 4182 | 4 | NV | 40  | 1.80 | 0.002152 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 50  | 1.69 | 0.002021 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -30 | 2.20 | 0.002599 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -20 | 1.82 | 0.002150 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -10 | 1.25 | 0.001476 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 0   | 1.33 | 0.001571 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 10  | 1.30 | 0.001536 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 20  | 1.98 | 0.002339 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 30  | 2.05 | 0.002421 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 40  | 1.77 | 0.002091 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 50  | 1.34 | 0.001583 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -30 | 1.87 | 0.002209 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -20 | 1.72 | 0.002032 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -10 | 1.48 | 0.001748 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 0   | 1.45 | 0.001713 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 10  | 1.87 | 0.002209 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 20  | 1.94 | 0.002292 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 30  | 1.70 | 0.002008 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 40  | 1.98 | 0.002339 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 50  | 2.68 | 0.003166 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -30 | 1.96 | 0.002315 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -20 | 1.82 | 0.002150 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -10 | 1.66 | 0.001961 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 0   | 1.73 | 0.002043 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 10  | 1.54 | 0.001819 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 20  | 2.08 | 0.002457 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 30  | 2.09 | 0.002469 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 40  | 1.84 | 0.002173 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 50  | 2.07 | 0.002445 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -30 | 1.22 | 0.001441 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -20 | 0.57 | 0.000673 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -10 | 1.28 | 0.001512 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 0   | 1.75 | 0.002067 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 10  | 1.41 | 0.001665 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 20  | 1.20 | 0.001417 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 30  | 1.18 | 0.001394 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 40  | 1.72 | 0.002032 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 50  | 1.03 | 0.001217 | ±2.5 | PASS |

| Voltage |         |          |               |                  |                |                 |             |         |
|---------|---------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Sub Test | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 4132    | 1        | VL            | NT               | -2.64          | -0.003195       | ±2.5        | PASS    |
| Band5   | 4132    | 1        | VN            | NT               | -2.13          | -0.002577       | ±2.5        | PASS    |
| Band5   | 4132    | 1        | VH            | NT               | -2.68          | -0.003243       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VL            | NT               | -2.05          | -0.002481       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VN            | NT               | -2.12          | -0.002565       | ±2.5        | PASS    |
| Band5   | 4132    | 2        | VH            | NT               | -2.83          | -0.003424       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VL            | NT               | -2.22          | -0.002686       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VN            | NT               | -2.93          | -0.003545       | ±2.5        | PASS    |
| Band5   | 4132    | 3        | VH            | NT               | -2.60          | -0.003146       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VL            | NT               | -1.55          | -0.001876       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VN            | NT               | -1.67          | -0.002021       | ±2.5        | PASS    |
| Band5   | 4132    | 4        | VH            | NT               | -2.78          | -0.003364       | ±2.5        | PASS    |
| Band5   | 4132    | 5        | VL            | NT               | -1.62          | -0.001960       | ±2.5        | PASS    |
| Band5   | 4132    | 5        | VN            | NT               | -2.86          | -0.003461       | ±2.5        | PASS    |
| Band5   | 4132    | 5        | VH            | NT               | -2.52          | -0.003049       | ±2.5        | PASS    |
| Band5   | 4182    | 1        | VL            | NT               | -2.83          | -0.003384       | ±2.5        | PASS    |
| Band5   | 4182    | 1        | VN            | NT               | -2.45          | -0.002929       | ±2.5        | PASS    |
| Band5   | 4182    | 1        | VH            | NT               | -2.36          | -0.002822       | ±2.5        | PASS    |
| Band5   | 4182    | 2        | VL            | NT               | -2.35          | -0.002810       | ±2.5        | PASS    |
| Band5   | 4182    | 2        | VN            | NT               | -2.90          | -0.003467       | ±2.5        | PASS    |
| Band5   | 4182    | 2        | VH            | NT               | -1.94          | -0.002319       | ±2.5        | PASS    |
| Band5   | 4182    | 3        | VL            | NT               | -2.78          | -0.003324       | ±2.5        | PASS    |
| Band5   | 4182    | 3        | VN            | NT               | -2.22          | -0.002654       | ±2.5        | PASS    |
| Band5   | 4182    | 3        | VH            | NT               | -2.60          | -0.003109       | ±2.5        | PASS    |
| Band5   | 4182    | 4        | VL            | NT               | -2.40          | -0.002869       | ±2.5        | PASS    |
| Band5   | 4182    | 4        | VN            | NT               | -2.77          | -0.003312       | ±2.5        | PASS    |
| Band5   | 4182    | 4        | VH            | NT               | -3.18          | -0.003802       | ±2.5        | PASS    |
| Band5   | 4182    | 5        | VL            | NT               | -3.08          | -0.003682       | ±2.5        | PASS    |
| Band5   | 4182    | 5        | VN            | NT               | -2.74          | -0.003276       | ±2.5        | PASS    |
| Band5   | 4182    | 5        | VH            | NT               | -2.78          | -0.003324       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VL            | NT               | -2.60          | -0.003071       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VN            | NT               | -2.85          | -0.003366       | ±2.5        | PASS    |
| Band5   | 4233    | 1        | VH            | NT               | -3.08          | -0.003638       | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VL            | NT               | -2.04          | -0.002410       | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VN            | NT               | -3.07          | -0.003626       | ±2.5        | PASS    |
| Band5   | 4233    | 2        | VH            | NT               | -3.25          | -0.003839       | ±2.5        | PASS    |
| Band5   | 4233    | 3        | VL            | NT               | -3.03          | -0.003579       | ±2.5        | PASS    |

|       |      |   |    |    |       |           |      |      |
|-------|------|---|----|----|-------|-----------|------|------|
| Band5 | 4233 | 3 | VN | NT | -2.50 | -0.002953 | ±2.5 | PASS |
| Band5 | 4233 | 3 | VH | NT | -2.40 | -0.002835 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VL | NT | -2.52 | -0.002977 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VN | NT | -2.88 | -0.003402 | ±2.5 | PASS |
| Band5 | 4233 | 4 | VH | NT | -2.38 | -0.002811 | ±2.5 | PASS |
| Band5 | 4233 | 5 | VL | NT | -2.53 | -0.002988 | ±2.5 | PASS |
| Band5 | 4233 | 5 | VN | NT | -2.94 | -0.003473 | ±2.5 | PASS |
| Band5 | 4233 | 5 | VH | NT | -3.30 | -0.003898 | ±2.5 | PASS |

| Temperature |         |          |               |                  |                |                 |             |         |
|-------------|---------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Sub Test | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 4132    | 1        | NV            | -30              | -2.20          | -0.002662       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | -20              | -2.90          | -0.003509       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | -10              | -2.48          | -0.003001       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 0                | -2.75          | -0.003328       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 10               | -2.46          | -0.002977       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 20               | -3.16          | -0.003824       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 30               | -2.42          | -0.002928       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 40               | -2.83          | -0.003424       | ±2.5        | PASS    |
| Band5       | 4132    | 1        | NV            | 50               | -2.40          | -0.002904       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -30              | -2.15          | -0.002602       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -20              | -2.17          | -0.002626       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | -10              | -3.24          | -0.003921       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 0                | -1.87          | -0.002263       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 10               | -2.63          | -0.003182       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 20               | -1.99          | -0.002408       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 30               | -2.77          | -0.003352       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 40               | -2.88          | -0.003485       | ±2.5        | PASS    |
| Band5       | 4132    | 2        | NV            | 50               | -2.37          | -0.002868       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -30              | -2.77          | -0.003352       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -20              | -2.03          | -0.002456       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | -10              | -2.70          | -0.003267       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 0                | -2.35          | -0.002844       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 10               | -2.45          | -0.002965       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 20               | -2.88          | -0.003485       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 30               | -2.48          | -0.003001       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 40               | -2.51          | -0.003037       | ±2.5        | PASS    |
| Band5       | 4132    | 3        | NV            | 50               | -2.62          | -0.003170       | ±2.5        | PASS    |
| Band5       | 4132    | 4        | NV            | -30              | -2.57          | -0.003110       | ±2.5        | PASS    |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4132 | 4 | NV | -20 | -2.30 | -0.002783 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | -10 | -3.09 | -0.003739 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 0   | -2.47 | -0.002989 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 10  | -2.74 | -0.003316 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 20  | -2.57 | -0.003110 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 30  | -2.04 | -0.002469 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 40  | -2.45 | -0.002965 | ±2.5 | PASS |
| Band5 | 4132 | 4 | NV | 50  | -2.38 | -0.002880 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | -30 | -3.02 | -0.003654 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | -20 | -2.68 | -0.003243 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | -10 | -2.26 | -0.002735 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 0   | -2.67 | -0.003231 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 10  | -2.87 | -0.003473 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 20  | -2.97 | -0.003594 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 30  | -2.84 | -0.003437 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 40  | -2.00 | -0.002420 | ±2.5 | PASS |
| Band5 | 4132 | 5 | NV | 50  | -2.98 | -0.003606 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | -30 | -2.72 | -0.003252 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | -20 | -2.63 | -0.003144 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | -10 | -2.12 | -0.002535 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 0   | -2.90 | -0.003467 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 10  | -2.52 | -0.003013 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 20  | -2.45 | -0.002929 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 30  | -2.04 | -0.002439 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 40  | -2.64 | -0.003156 | ±2.5 | PASS |
| Band5 | 4182 | 1 | NV | 50  | -3.01 | -0.003599 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | -30 | -2.49 | -0.002977 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | -20 | -1.87 | -0.002236 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | -10 | -2.79 | -0.003336 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 0   | -2.70 | -0.003228 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 10  | -2.68 | -0.003204 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 20  | -2.95 | -0.003527 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 30  | -2.80 | -0.003348 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 40  | -2.39 | -0.002857 | ±2.5 | PASS |
| Band5 | 4182 | 2 | NV | 50  | -2.73 | -0.003264 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | -30 | -2.81 | -0.003360 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | -20 | -2.93 | -0.003503 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | -10 | -2.54 | -0.003037 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 0   | -2.48 | -0.002965 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 10  | -2.60 | -0.003109 | ±2.5 | PASS |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4182 | 3 | NV | 20  | -2.47 | -0.002953 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 30  | -2.40 | -0.002869 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 40  | -2.70 | -0.003228 | ±2.5 | PASS |
| Band5 | 4182 | 3 | NV | 50  | -2.70 | -0.003228 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | -30 | -2.60 | -0.003109 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | -20 | -2.67 | -0.003192 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | -10 | -2.35 | -0.002810 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 0   | -2.98 | -0.003563 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 10  | -2.83 | -0.003384 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 20  | -2.49 | -0.002977 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 30  | -2.63 | -0.003144 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 40  | -2.88 | -0.003443 | ±2.5 | PASS |
| Band5 | 4182 | 4 | NV | 50  | -2.88 | -0.003443 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | -30 | -2.54 | -0.003037 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | -20 | -2.40 | -0.002869 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | -10 | -2.20 | -0.002630 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | 0   | -2.68 | -0.003204 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | 10  | -3.00 | -0.003587 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | 20  | -2.97 | -0.003551 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | 30  | -2.65 | -0.003168 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | 40  | -2.35 | -0.002810 | ±2.5 | PASS |
| Band5 | 4182 | 5 | NV | 50  | -2.94 | -0.003515 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -30 | -3.23 | -0.003815 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -20 | -2.88 | -0.003402 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | -10 | -2.20 | -0.002599 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 0   | -2.46 | -0.002906 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 10  | -2.42 | -0.002858 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 20  | -2.71 | -0.003201 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 30  | -3.05 | -0.003603 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 40  | -2.83 | -0.003343 | ±2.5 | PASS |
| Band5 | 4233 | 1 | NV | 50  | -3.22 | -0.003803 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -30 | -2.85 | -0.003366 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -20 | -2.75 | -0.003248 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | -10 | -3.54 | -0.004181 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 0   | -2.64 | -0.003118 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 10  | -2.60 | -0.003071 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 20  | -2.58 | -0.003047 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 30  | -2.47 | -0.002918 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 40  | -3.08 | -0.003638 | ±2.5 | PASS |
| Band5 | 4233 | 2 | NV | 50  | -2.78 | -0.003284 | ±2.5 | PASS |



|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band5 | 4233 | 3 | NV | -30 | -2.30 | -0.002717 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -20 | -2.86 | -0.003378 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | -10 | -2.45 | -0.002894 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 0   | -2.49 | -0.002941 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 10  | -2.99 | -0.003532 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 20  | -2.38 | -0.002811 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 30  | -2.91 | -0.003437 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 40  | -2.22 | -0.002622 | ±2.5 | PASS |
| Band5 | 4233 | 3 | NV | 50  | -2.51 | -0.002965 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -30 | -2.35 | -0.002776 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -20 | -2.92 | -0.003449 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | -10 | -2.41 | -0.002847 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 0   | -2.45 | -0.002894 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 10  | -2.55 | -0.003012 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 20  | -2.79 | -0.003296 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 30  | -2.88 | -0.003402 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 40  | -2.77 | -0.003272 | ±2.5 | PASS |
| Band5 | 4233 | 4 | NV | 50  | -3.01 | -0.003555 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | -30 | -3.20 | -0.003780 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | -20 | -2.36 | -0.002788 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | -10 | -2.72 | -0.003213 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 0   | -3.35 | -0.003957 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 10  | -2.67 | -0.003154 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 20  | -2.51 | -0.002965 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 30  | -1.90 | -0.002244 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 40  | -2.59 | -0.003059 | ±2.5 | PASS |
| Band5 | 4233 | 5 | NV | 50  | -2.85 | -0.003366 | ±2.5 | PASS |