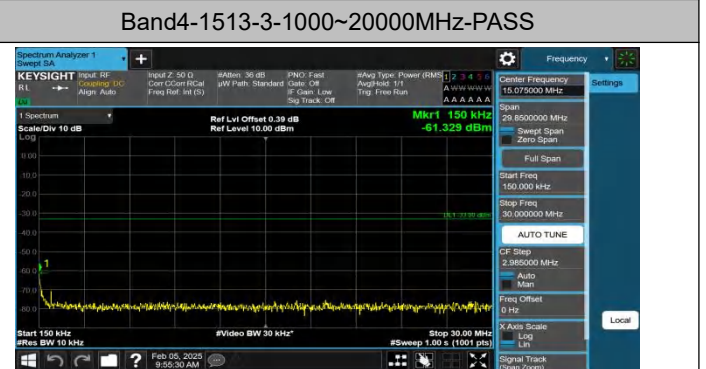
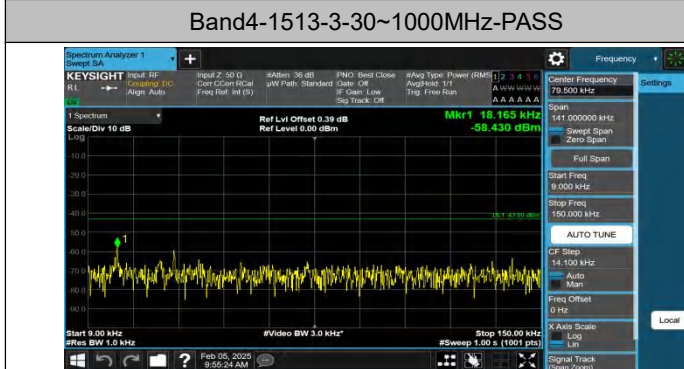
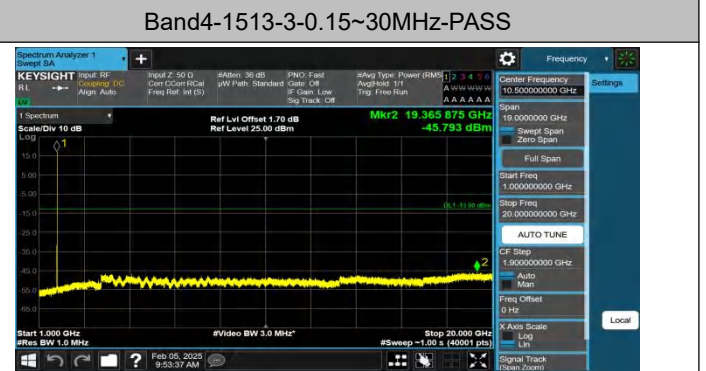
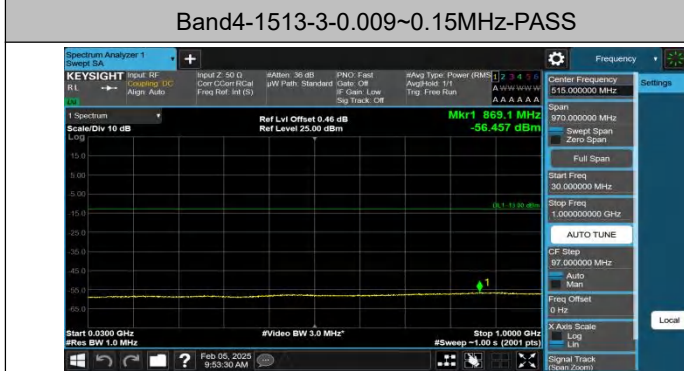
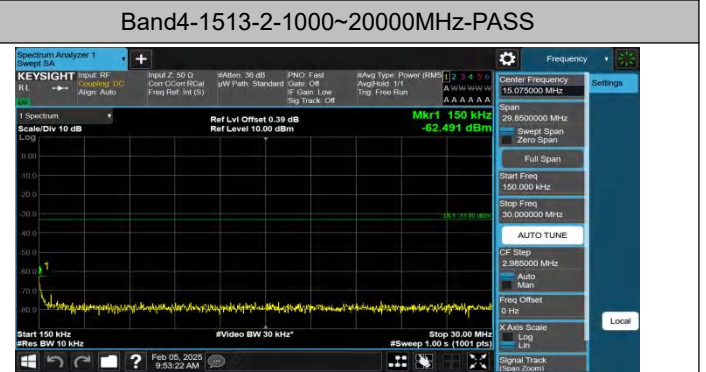
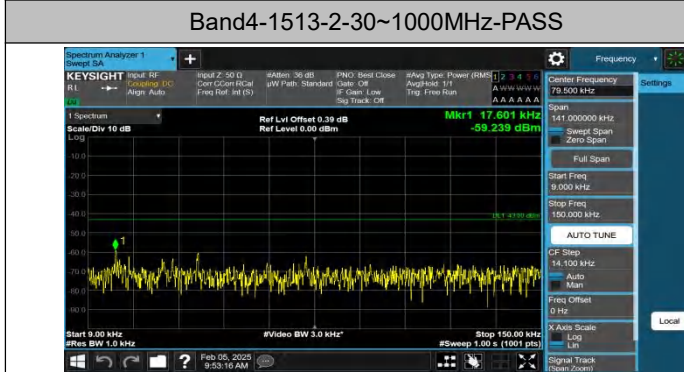
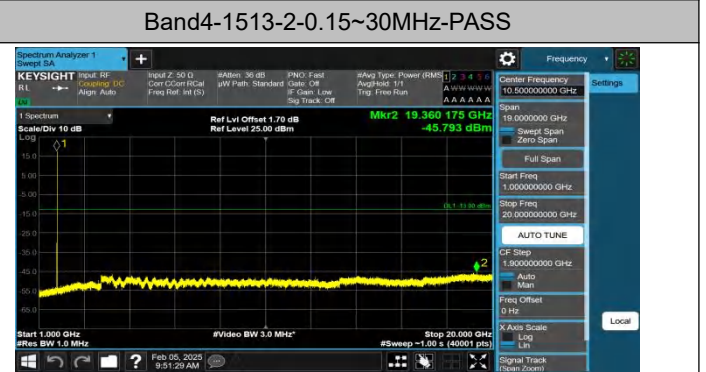
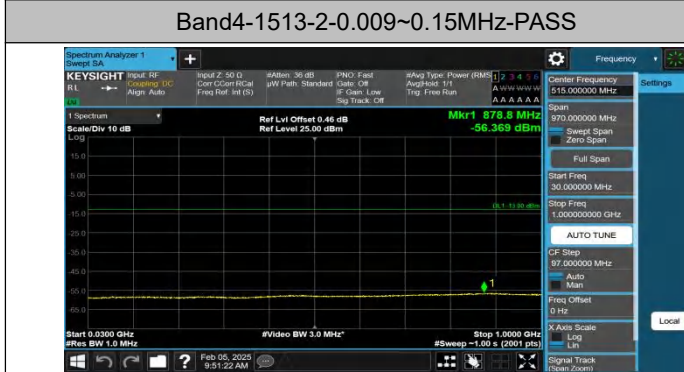
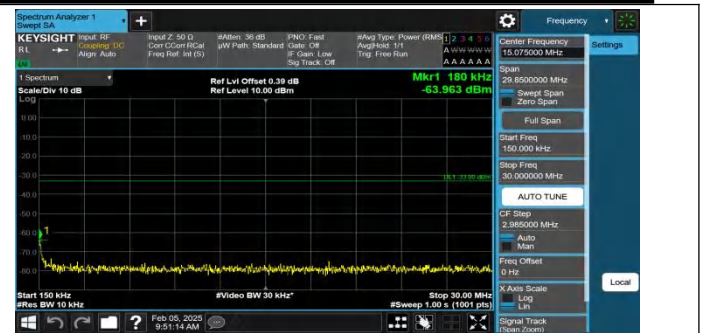




Band4-1513-4-0.009~0.15MHz-PASS



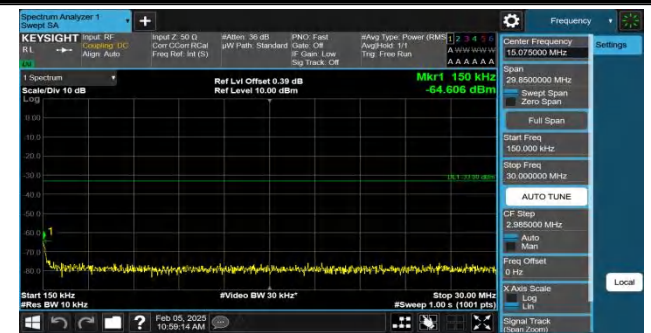
Band4-1513-4-30~1000MHz-PASS

Band4-1513-4-0.15~30MHz-PASS



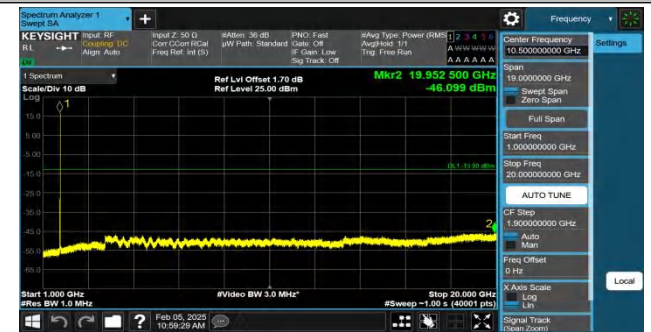
Band4-1513-4-1000~20000MHz-PASS





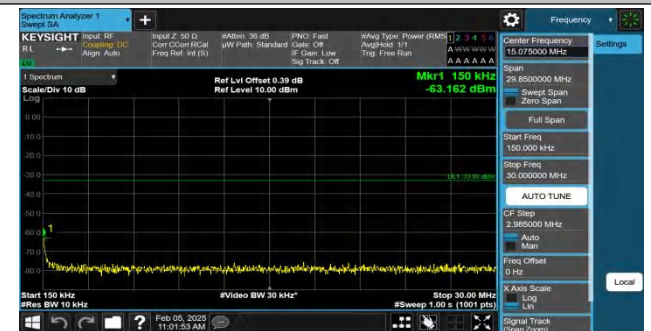
Band4-1312-1-0.009~0.15MHz-PASS

Band4-1312-1-0.15~30MHz-PASS



Band4-1312-1-30~1000MHz-PASS

Band4-1312-1-1000~20000MHz-PASS



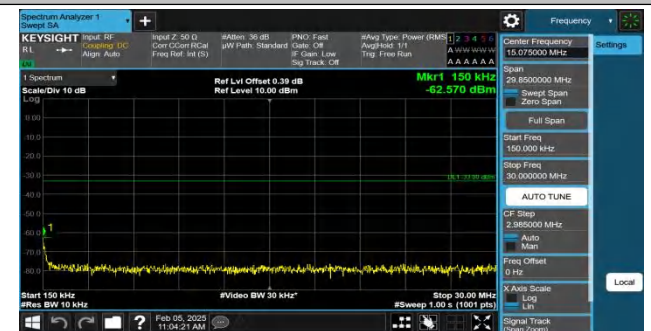
Band4-1312-2-0.009~0.15MHz-PASS

Band4-1312-2-0.15~30MHz-PASS

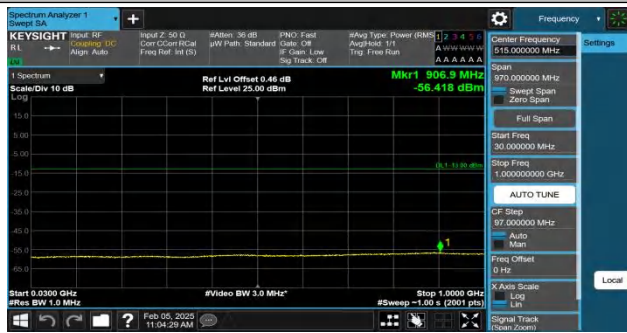


Band4-1312-2-30~1000MHz-PASS

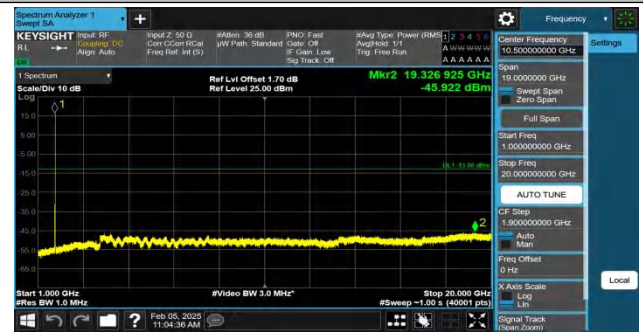
Band4-1312-2-1000~20000MHz-PASS



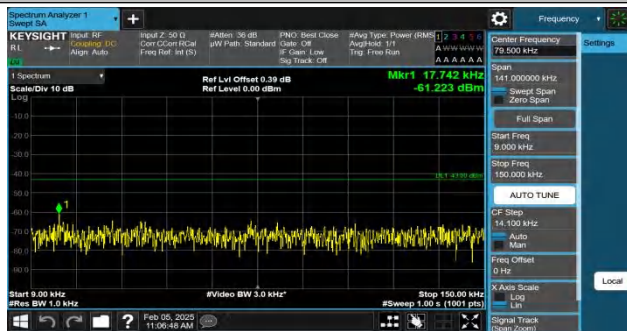
Band4-1312-3-0.009~0.15MHz-PASS



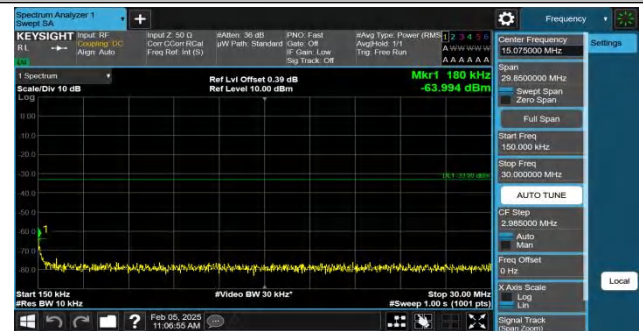
Band4-1312-3-0.15~30MHz-PASS



Band4-1312-3-30~1000MHz-PASS



Band4-1312-3-1000~20000MHz-PASS



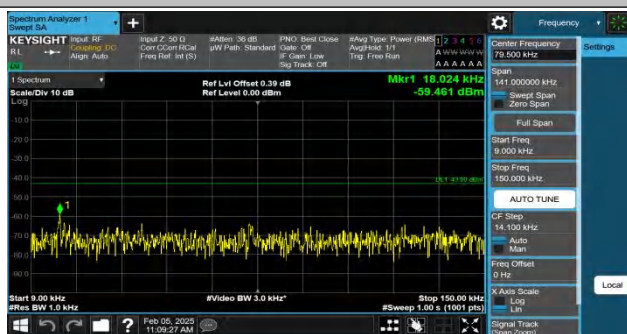
Band4-1312-4-0.009~0.15MHz-PASS



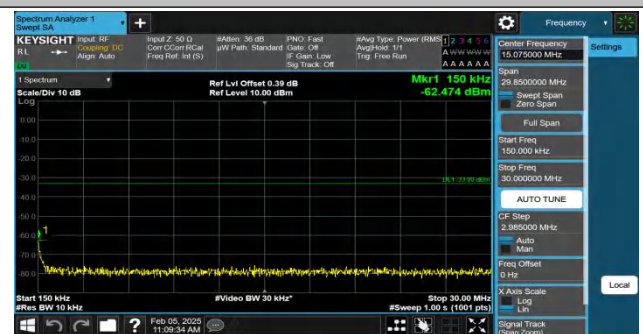
Band4-1312-4-0.15~30MHz-PASS



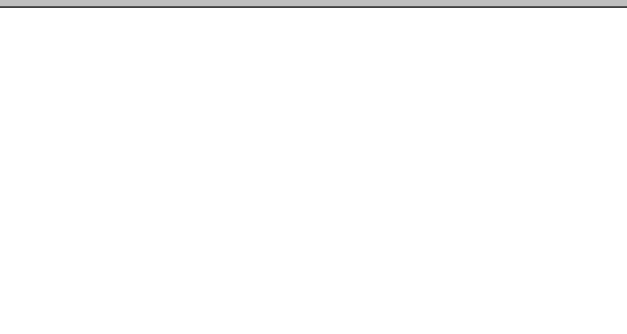
Band4-1312-4-30~1000MHz-PASS



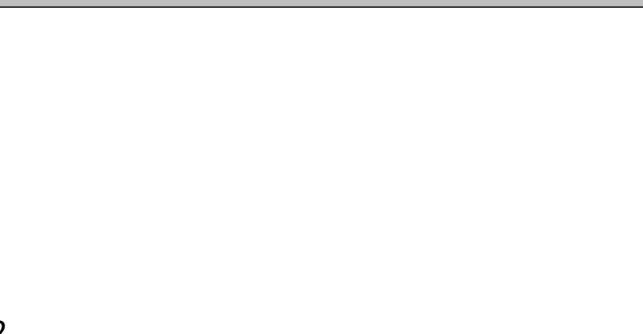
Band4-1312-4-1000~20000MHz-PASS



Band4-1312-5-0.009~0.15MHz-PASS



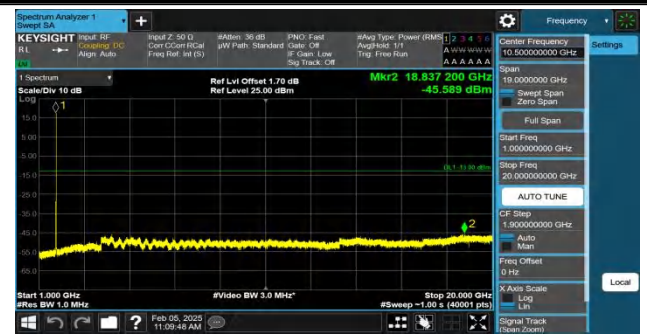
Band4-1312-5-0.15~30MHz-PASS







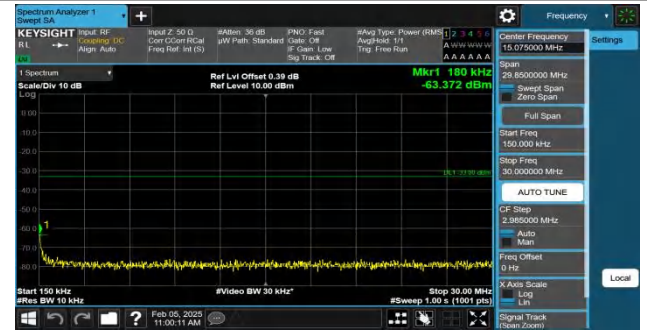
Band4-1312-5-30~1000MHz-PASS



Band4-1312-5-1000~20000MHz-PASS



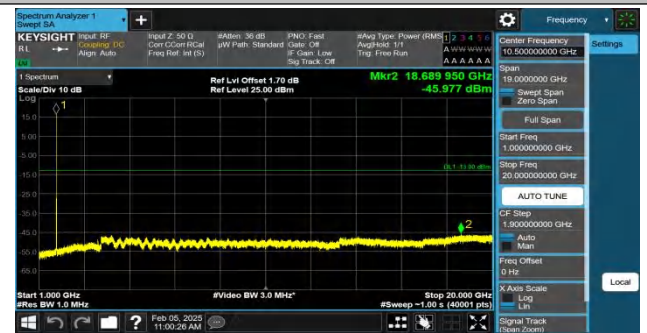
Band4-1413-1-0.009~0.15MHz-PASS



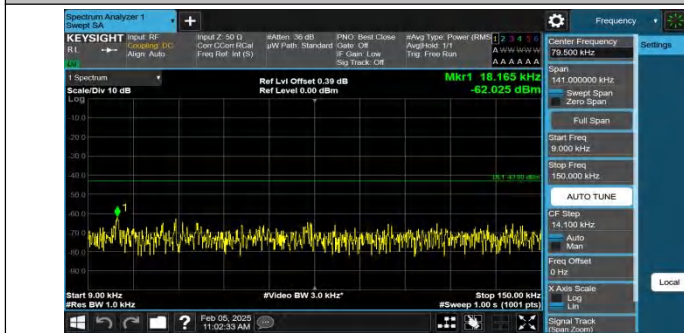
Band4-1413-1-0.15~30MHz-PASS



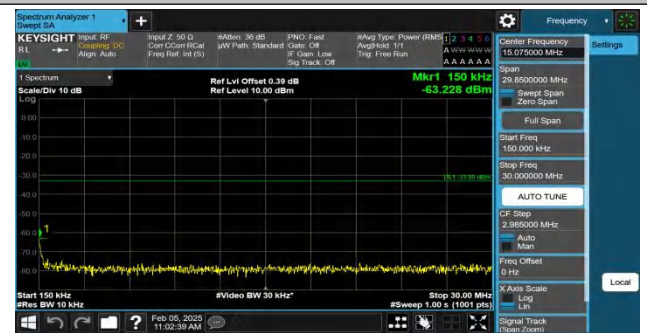
Band4-1413-1-30~1000MHz-PASS



Band4-1413-1-1000~20000MHz-PASS



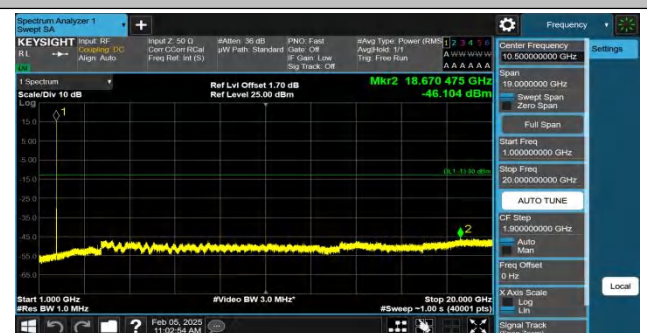
Band4-1413-1-30~1000MHz-PASS



Band4-1413-1-1000~20000MHz-PASS

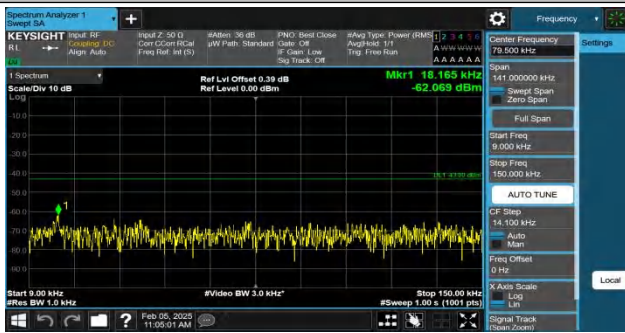


Band4-1413-2-0.009~0.15MHz-PASS

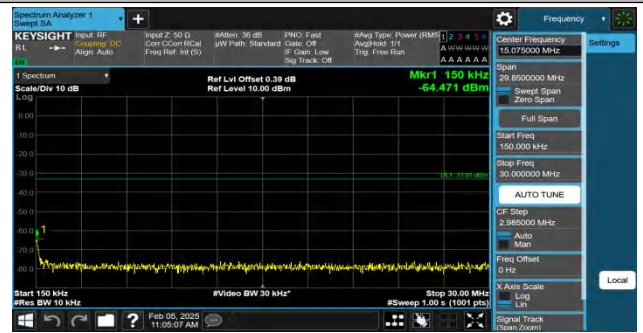


Band4-1413-2-0.15~30MHz-PASS

Band4-1413-2-30~1000MHz-PASS



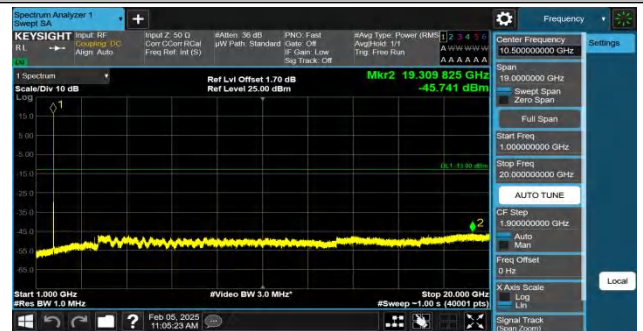
Band4-1413-2-1000~20000MHz-PASS



Band4-1413-3-0.009~0.15MHz-PASS



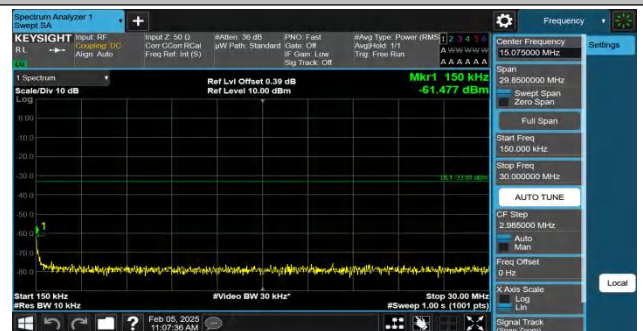
Band4-1413-3-0.15~30MHz-PASS



Band4-1413-3-30~1000MHz-PASS



Band4-1413-3-1000~20000MHz-PASS



Band4-1413-4-0.009~0.15MHz-PASS



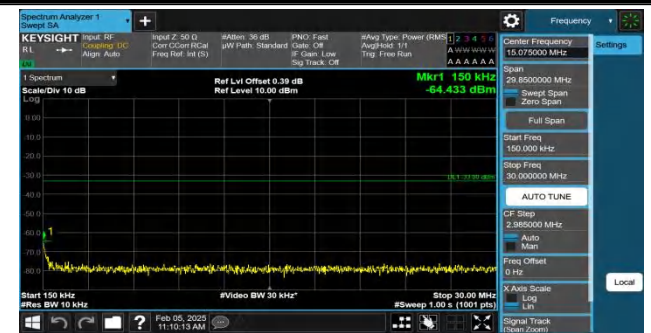
Band4-1413-4-0.15~30MHz-PASS



Band4-1413-4-30~1000MHz-PASS

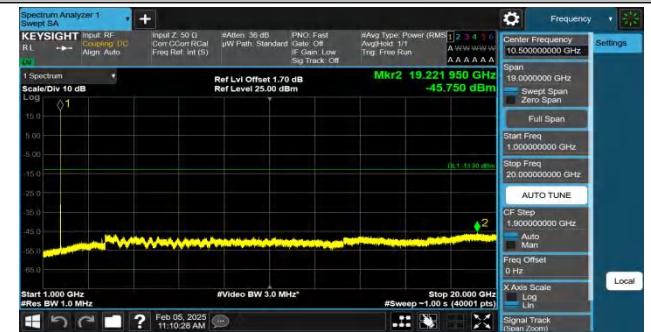
Band4-1413-4-1000~20000MHz-PASS





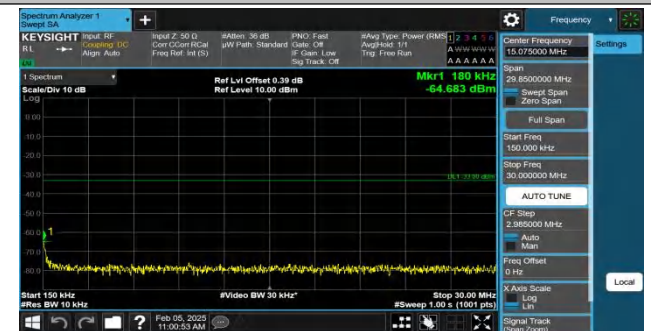
Band4-1413-5-0.009~0.15MHz-PASS

Band4-1413-5-0.15~30MHz-PASS



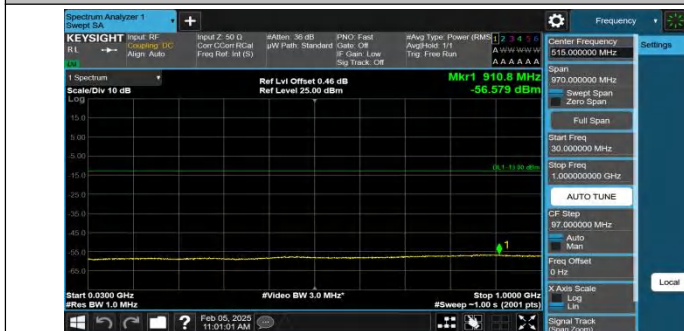
Band4-1413-5-30~1000MHz-PASS

Band4-1413-5-1000~20000MHz-PASS



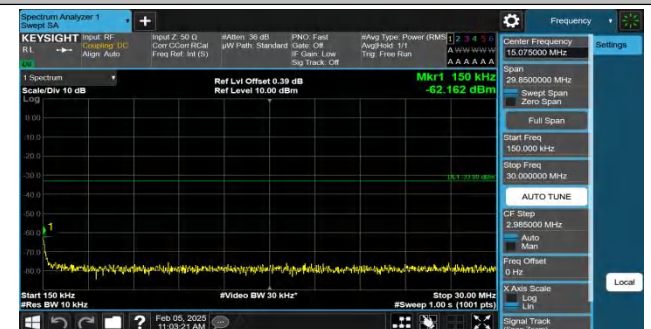
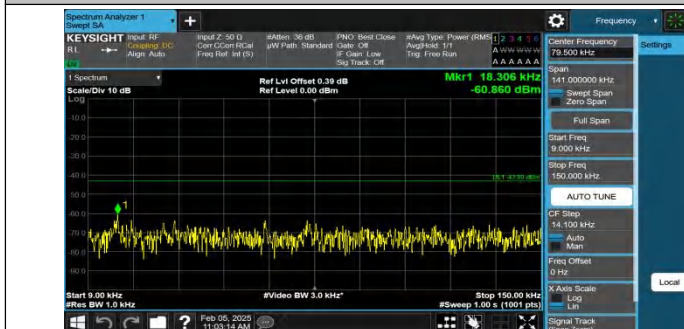
Band4-1513-1-0.009~0.15MHz-PASS

Band4-1513-1-0.15~30MHz-PASS



Band4-1513-1-30~1000MHz-PASS

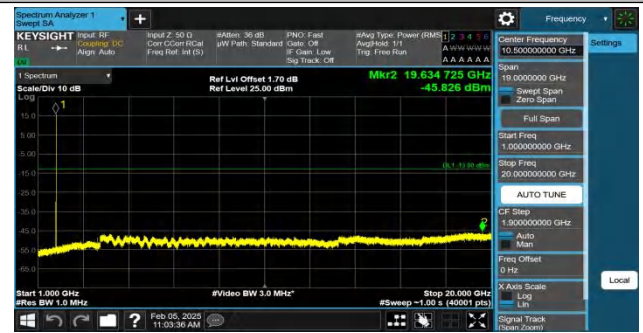
Band4-1513-1-1000~20000MHz-PASS



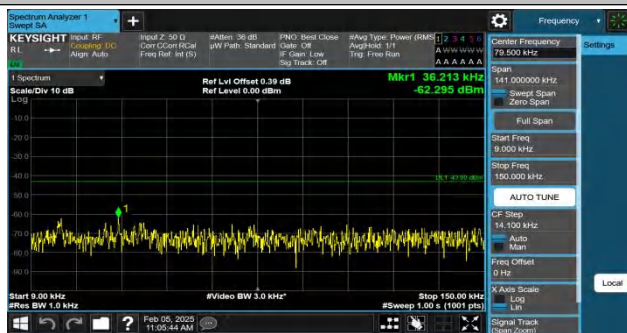
Band4-1513-2-0.009~0.15MHz-PASS



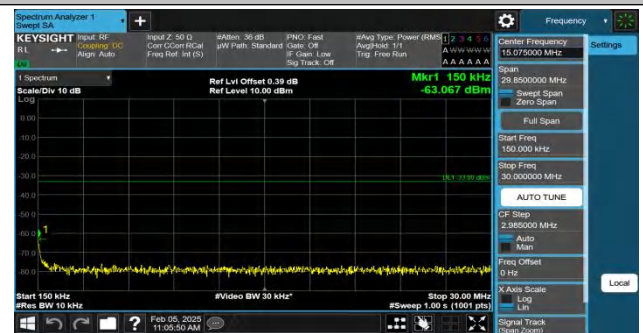
Band4-1513-2-0.15~30MHz-PASS



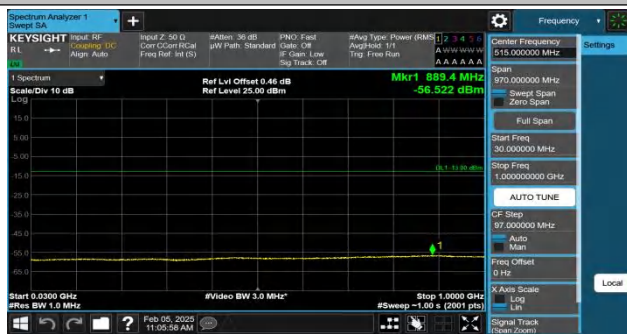
Band4-1513-2-30~1000MHz-PASS



Band4-1513-2-1000~20000MHz-PASS



Band4-1513-3-0.009~0.15MHz-PASS



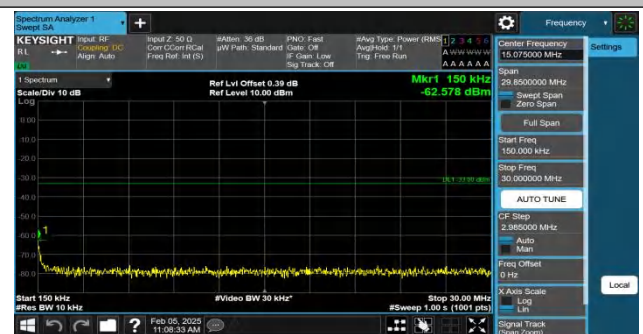
Band4-1513-3-0.15~30MHz-PASS



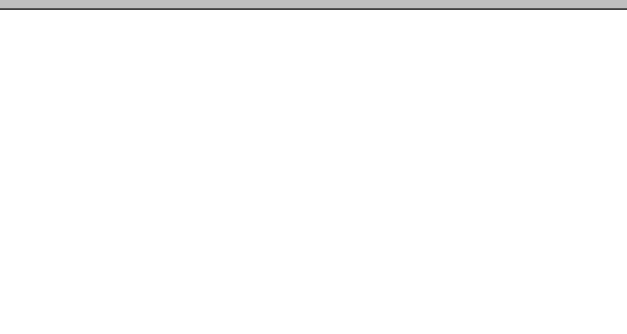
Band4-1513-3-30~1000MHz-PASS



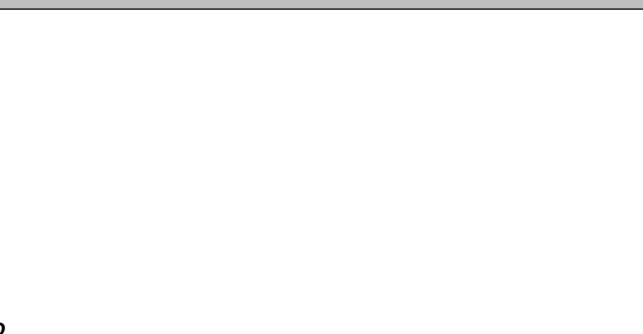
Band4-1513-3-1000~20000MHz-PASS



Band4-1513-4-0.009~0.15MHz-PASS



Band4-1513-4-0.15~30MHz-PASS







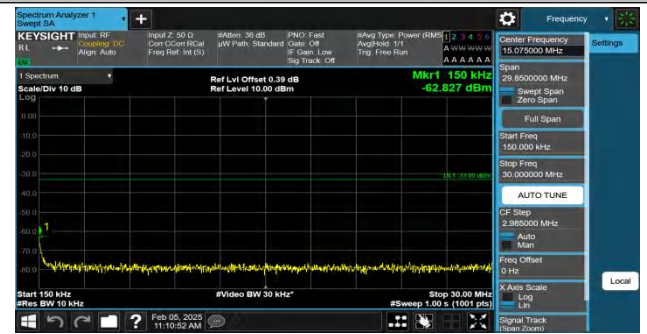
Band4-1513-4-30~1000MHz-PASS



Band4-1513-4-1000~20000MHz-PASS



Band4-1513-5-0.009~0.15MHz-PASS



Band4-1513-5-0.15~30MHz-PASS



Band4-1513-5-30~1000MHz-PASS



Band4-1513-5-1000~20000MHz-PASS

## Frequency Stability

### Test Result

| Voltage |         |               |                  |                |                 |             |         |
|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4   | 1312    | VN            | NT               | 6.54           | 0.003819        | ±2.5        | PASS    |
| Band4   | 1312    | VL            | NT               | 7.31           | 0.004269        | ±2.5        | PASS    |
| Band4   | 1312    | VH            | NT               | 6.80           | 0.003971        | ±2.5        | PASS    |
| Band4   | 1413    | VN            | NT               | 1.43           | 0.000825        | ±2.5        | PASS    |
| Band4   | 1413    | VL            | NT               | 0.77           | 0.000444        | ±2.5        | PASS    |
| Band4   | 1413    | VH            | NT               | 1.17           | 0.000675        | ±2.5        | PASS    |
| Band4   | 1513    | VN            | NT               | -8.78          | -0.005010       | ±2.5        | PASS    |
| Band4   | 1513    | VL            | NT               | -6.98          | -0.003983       | ±2.5        | PASS    |
| Band4   | 1513    | VH            | NT               | -6.85          | -0.003908       | ±2.5        | PASS    |

| Temperature |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4       | 1312    | NV            | -30              | 8.43           | 0.004923        | ±2.5        | PASS    |
| Band4       | 1312    | NV            | -20              | 6.87           | 0.004012        | ±2.5        | PASS    |
| Band4       | 1312    | NV            | -10              | 8.34           | 0.004870        | ±2.5        | PASS    |
| Band4       | 1312    | NV            | 0                | 7.86           | 0.004590        | ±2.5        | PASS    |
| Band4       | 1312    | NV            | 10               | 7.76           | 0.004532        | ±2.5        | PASS    |
| Band4       | 1312    | NV            | 20               | 8.82           | 0.005151        | ±2.5        | PASS    |
| Band4       | 1312    | NV            | 30               | 9.58           | 0.005594        | ±2.5        | PASS    |
| Band4       | 1312    | NV            | 40               | 8.99           | 0.005250        | ±2.5        | PASS    |
| Band4       | 1312    | NV            | 50               | 8.55           | 0.004993        | ±2.5        | PASS    |
| Band4       | 1413    | NV            | -30              | -0.51          | -0.000294       | ±2.5        | PASS    |
| Band4       | 1413    | NV            | -20              | 0.84           | 0.000485        | ±2.5        | PASS    |
| Band4       | 1413    | NV            | -10              | 0.69           | 0.000398        | ±2.5        | PASS    |
| Band4       | 1413    | NV            | 0                | 0.77           | 0.000444        | ±2.5        | PASS    |
| Band4       | 1413    | NV            | 10               | -0.04          | -0.000023       | ±2.5        | PASS    |
| Band4       | 1413    | NV            | 20               | 0.01           | 0.000006        | ±2.5        | PASS    |
| Band4       | 1413    | NV            | 30               | -0.17          | -0.000098       | ±2.5        | PASS    |
| Band4       | 1413    | NV            | 40               | -0.08          | -0.000046       | ±2.5        | PASS    |
| Band4       | 1413    | NV            | 50               | -0.41          | -0.000237       | ±2.5        | PASS    |
| Band4       | 1513    | NV            | -30              | -7.62          | -0.004348       | ±2.5        | PASS    |
| Band4       | 1513    | NV            | -20              | -7.44          | -0.004245       | ±2.5        | PASS    |
| Band4       | 1513    | NV            | -10              | -6.13          | -0.003498       | ±2.5        | PASS    |
| Band4       | 1513    | NV            | 0                | -6.40          | -0.003652       | ±2.5        | PASS    |
| Band4       | 1513    | NV            | 10               | -6.38          | -0.003640       | ±2.5        | PASS    |



|       |      |    |    |       |           |      |      |
|-------|------|----|----|-------|-----------|------|------|
| Band4 | 1513 | NV | 20 | -7.09 | -0.004045 | ±2.5 | PASS |
| Band4 | 1513 | NV | 30 | -6.56 | -0.003743 | ±2.5 | PASS |
| Band4 | 1513 | NV | 40 | -7.12 | -0.004063 | ±2.5 | PASS |
| Band4 | 1513 | NV | 50 | -7.62 | -0.004348 | ±2.5 | PASS |

| Voltage |         |         |               |                  |                |                 |             |         |
|---------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | SubTest | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4   | 1312    | 1       | VN            | NT               | -11.30         | -0.006599       | ±2.5        | PASS    |
| Band4   | 1312    | 1       | VL            | NT               | -10.21         | -0.005962       | ±2.5        | PASS    |
| Band4   | 1312    | 1       | VH            | NT               | -8.64          | -0.005046       | ±2.5        | PASS    |
| Band4   | 1312    | 2       | VN            | NT               | -2.17          | -0.001267       | ±2.5        | PASS    |
| Band4   | 1312    | 2       | VL            | NT               | -2.90          | -0.001694       | ±2.5        | PASS    |
| Band4   | 1312    | 2       | VH            | NT               | -0.03          | -0.000018       | ±2.5        | PASS    |
| Band4   | 1312    | 3       | VN            | NT               | 0.00           | 0.000000        | ±2.5        | PASS    |
| Band4   | 1312    | 3       | VL            | NT               | 1.26           | 0.000736        | ±2.5        | PASS    |
| Band4   | 1312    | 3       | VH            | NT               | 3.10           | 0.001810        | ±2.5        | PASS    |
| Band4   | 1312    | 4       | VN            | NT               | 2.15           | 0.001256        | ±2.5        | PASS    |
| Band4   | 1312    | 4       | VL            | NT               | 1.57           | 0.000917        | ±2.5        | PASS    |
| Band4   | 1312    | 4       | VH            | NT               | 3.15           | 0.001840        | ±2.5        | PASS    |
| Band4   | 1413    | 1       | VN            | NT               | -1.13          | -0.000652       | ±2.5        | PASS    |
| Band4   | 1413    | 1       | VL            | NT               | -1.13          | -0.000652       | ±2.5        | PASS    |
| Band4   | 1413    | 1       | VH            | NT               | 1.09           | 0.000629        | ±2.5        | PASS    |
| Band4   | 1413    | 2       | VN            | NT               | -1.40          | -0.000808       | ±2.5        | PASS    |
| Band4   | 1413    | 2       | VL            | NT               | 0.15           | 0.000087        | ±2.5        | PASS    |
| Band4   | 1413    | 2       | VH            | NT               | 0.58           | 0.000335        | ±2.5        | PASS    |
| Band4   | 1413    | 3       | VN            | NT               | -0.85          | -0.000491       | ±2.5        | PASS    |
| Band4   | 1413    | 3       | VL            | NT               | -0.20          | -0.000115       | ±2.5        | PASS    |
| Band4   | 1413    | 3       | VH            | NT               | -0.73          | -0.000421       | ±2.5        | PASS    |
| Band4   | 1413    | 4       | VN            | NT               | -1.88          | -0.001085       | ±2.5        | PASS    |
| Band4   | 1413    | 4       | VL            | NT               | -0.35          | -0.000202       | ±2.5        | PASS    |
| Band4   | 1413    | 4       | VH            | NT               | -7.22          | -0.004167       | ±2.5        | PASS    |
| Band4   | 1513    | 1       | VN            | NT               | -2.64          | -0.001506       | ±2.5        | PASS    |
| Band4   | 1513    | 1       | VL            | NT               | -2.63          | -0.001501       | ±2.5        | PASS    |
| Band4   | 1513    | 1       | VH            | NT               | -3.86          | -0.002202       | ±2.5        | PASS    |
| Band4   | 1513    | 2       | VN            | NT               | -4.97          | -0.002836       | ±2.5        | PASS    |
| Band4   | 1513    | 2       | VL            | NT               | -5.15          | -0.002938       | ±2.5        | PASS    |
| Band4   | 1513    | 2       | VH            | NT               | -3.33          | -0.001900       | ±2.5        | PASS    |
| Band4   | 1513    | 3       | VN            | NT               | -3.52          | -0.002008       | ±2.5        | PASS    |
| Band4   | 1513    | 3       | VL            | NT               | -4.52          | -0.002579       | ±2.5        | PASS    |
| Band4   | 1513    | 3       | VH            | NT               | -4.57          | -0.002608       | ±2.5        | PASS    |
| Band4   | 1513    | 4       | VN            | NT               | -4.49          | -0.002562       | ±2.5        | PASS    |

|       |      |   |    |    |       |           |      |      |
|-------|------|---|----|----|-------|-----------|------|------|
| Band4 | 1513 | 4 | VL | NT | -4.27 | -0.002436 | ±2.5 | PASS |
| Band4 | 1513 | 4 | VH | NT | -4.28 | -0.002442 | ±2.5 | PASS |

| Temperature |         |         |               |                  |                |                 |             |         |
|-------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | SubTest | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4       | 1312    | 1       | NV            | -30              | -6.11          | -0.003568       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | -20              | -7.19          | -0.004199       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | -10              | -4.84          | -0.002826       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 0                | -4.27          | -0.002494       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 10               | -3.58          | -0.002091       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 20               | -2.83          | -0.001653       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 30               | -2.03          | -0.001185       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 40               | -1.82          | -0.001063       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 50               | -1.89          | -0.001104       | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | -30              | 0.88           | 0.000514        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | -20              | -0.08          | -0.000047       | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | -10              | 2.20           | 0.001285        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 0                | 1.74           | 0.001016        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 10               | 2.21           | 0.001291        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 20               | 0.40           | 0.000234        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 30               | 1.44           | 0.000841        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 40               | 1.57           | 0.000917        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 50               | 2.61           | 0.001524        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | -30              | 1.83           | 0.001069        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | -20              | 1.82           | 0.001063        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | -10              | 2.18           | 0.001273        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 0                | 4.31           | 0.002517        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 10               | 2.48           | 0.001448        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 20               | 4.17           | 0.002435        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 30               | 3.46           | 0.002021        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 40               | 3.94           | 0.002301        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 50               | 3.29           | 0.001921        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | -30              | 2.94           | 0.001717        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | -20              | 4.04           | 0.002359        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | -10              | 2.92           | 0.001705        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | 0                | 3.31           | 0.001933        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | 10               | 4.83           | 0.002821        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | 20               | 4.53           | 0.002645        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | 30               | 2.75           | 0.001606        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | 40               | 5.12           | 0.002990        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | 50               | 4.21           | 0.002459        | ±2.5        | PASS    |



|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band4 | 1413 | 1 | NV | -30 | -1.11 | -0.000641 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | -20 | 0.23  | 0.000133  | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | -10 | -1.00 | -0.000577 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 0   | -0.80 | -0.000462 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 10  | 0.71  | 0.000410  | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 20  | -0.15 | -0.000087 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 30  | 1.73  | 0.000998  | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 40  | 1.18  | 0.000681  | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 50  | -0.43 | -0.000248 | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | -30 | 0.64  | 0.000369  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | -20 | 0.42  | 0.000242  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | -10 | 0.61  | 0.000352  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 0   | -1.84 | -0.001062 | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 10  | 1.12  | 0.000646  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 20  | 1.09  | 0.000629  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 30  | 0.47  | 0.000271  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 40  | 1.20  | 0.000693  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 50  | -0.64 | -0.000369 | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | -30 | 0.97  | 0.000560  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | -20 | 0.25  | 0.000144  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | -10 | 1.61  | 0.000929  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 0   | 0.23  | 0.000133  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 10  | 0.22  | 0.000127  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 20  | 0.36  | 0.000208  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 30  | 0.40  | 0.000231  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 40  | -1.47 | -0.000848 | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 50  | -1.07 | -0.000618 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | -30 | -0.29 | -0.000167 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | -20 | -0.41 | -0.000237 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | -10 | -1.29 | -0.000745 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 0   | 0.40  | 0.000231  | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 10  | 1.20  | 0.000693  | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 20  | 0.88  | 0.000508  | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 30  | -0.60 | -0.000346 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 40  | -1.09 | -0.000629 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 50  | 0.07  | 0.000040  | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | -30 | -3.02 | -0.001723 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | -20 | -3.48 | -0.001986 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | -10 | -3.86 | -0.002202 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 0   | -4.09 | -0.002334 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 10  | -3.39 | -0.001934 | ±2.5 | PASS |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band4 | 1513 | 1 | NV | 20  | -4.10 | -0.002339 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 30  | -5.24 | -0.002990 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 40  | -3.32 | -0.001894 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 50  | -4.42 | -0.002522 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | -30 | -4.02 | -0.002294 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | -20 | -3.67 | -0.002094 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | -10 | -4.92 | -0.002807 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 0   | -3.78 | -0.002157 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 10  | -3.88 | -0.002214 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 20  | -4.71 | -0.002687 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 30  | -4.14 | -0.002362 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 40  | -4.16 | -0.002374 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 50  | -3.83 | -0.002185 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | -30 | -3.40 | -0.001940 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | -20 | -3.65 | -0.002083 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | -10 | -3.17 | -0.001809 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 0   | -2.60 | -0.001484 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 10  | -4.35 | -0.002482 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 20  | -4.92 | -0.002807 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 30  | -4.56 | -0.002602 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 40  | -3.86 | -0.002202 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 50  | -3.88 | -0.002214 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | -30 | -3.75 | -0.002140 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | -20 | -4.25 | -0.002425 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | -10 | -3.40 | -0.001940 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 0   | -3.91 | -0.002231 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 10  | -3.91 | -0.002231 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 20  | -4.71 | -0.002687 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 30  | -5.28 | -0.003013 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 40  | -4.46 | -0.002545 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 50  | -3.86 | -0.002202 | ±2.5 | PASS |



| Voltage |         |         |               |                  |                |                 |             |         |
|---------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | SubTest | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4   | 1312    | 1       | VN            | NT               | -3.38          | -0.001974       | ±2.5        | PASS    |
| Band4   | 1312    | 1       | VL            | NT               | -2.60          | -0.001518       | ±2.5        | PASS    |
| Band4   | 1312    | 1       | VH            | NT               | -2.30          | -0.001343       | ±2.5        | PASS    |
| Band4   | 1312    | 2       | VN            | NT               | -1.89          | -0.001104       | ±2.5        | PASS    |
| Band4   | 1312    | 2       | VL            | NT               | 0.76           | 0.000444        | ±2.5        | PASS    |
| Band4   | 1312    | 2       | VH            | NT               | 1.34           | 0.000783        | ±2.5        | PASS    |
| Band4   | 1312    | 3       | VN            | NT               | 0.06           | 0.000035        | ±2.5        | PASS    |
| Band4   | 1312    | 3       | VL            | NT               | -0.05          | -0.000029       | ±2.5        | PASS    |
| Band4   | 1312    | 3       | VH            | NT               | 1.78           | 0.001039        | ±2.5        | PASS    |
| Band4   | 1312    | 4       | VN            | NT               | 1.57           | 0.000917        | ±2.5        | PASS    |
| Band4   | 1312    | 4       | VL            | NT               | 2.70           | 0.001577        | ±2.5        | PASS    |
| Band4   | 1312    | 4       | VH            | NT               | 1.94           | 0.001133        | ±2.5        | PASS    |
| Band4   | 1312    | 5       | VN            | NT               | -1.55          | -0.000905       | ±2.5        | PASS    |
| Band4   | 1312    | 5       | VL            | NT               | 0.27           | 0.000158        | ±2.5        | PASS    |
| Band4   | 1312    | 5       | VH            | NT               | 1.10           | 0.000642        | ±2.5        | PASS    |
| Band4   | 1413    | 1       | VN            | NT               | -1.55          | -0.000895       | ±2.5        | PASS    |
| Band4   | 1413    | 1       | VL            | NT               | -1.40          | -0.000808       | ±2.5        | PASS    |
| Band4   | 1413    | 1       | VH            | NT               | -1.36          | -0.000785       | ±2.5        | PASS    |
| Band4   | 1413    | 2       | VN            | NT               | -0.34          | -0.000196       | ±2.5        | PASS    |
| Band4   | 1413    | 2       | VL            | NT               | -0.16          | -0.000092       | ±2.5        | PASS    |
| Band4   | 1413    | 2       | VH            | NT               | -0.77          | -0.000444       | ±2.5        | PASS    |
| Band4   | 1413    | 3       | VN            | NT               | -0.92          | -0.000531       | ±2.5        | PASS    |
| Band4   | 1413    | 3       | VL            | NT               | -1.97          | -0.001137       | ±2.5        | PASS    |
| Band4   | 1413    | 3       | VH            | NT               | -2.52          | -0.001454       | ±2.5        | PASS    |
| Band4   | 1413    | 4       | VN            | NT               | -1.40          | -0.000808       | ±2.5        | PASS    |
| Band4   | 1413    | 4       | VL            | NT               | -0.30          | -0.000173       | ±2.5        | PASS    |
| Band4   | 1413    | 4       | VH            | NT               | -0.95          | -0.000548       | ±2.5        | PASS    |
| Band4   | 1413    | 5       | VN            | NT               | -3.60          | -0.002078       | ±2.5        | PASS    |
| Band4   | 1413    | 5       | VL            | NT               | -0.90          | -0.000519       | ±2.5        | PASS    |
| Band4   | 1413    | 5       | VH            | NT               | 0.08           | 0.000046        | ±2.5        | PASS    |
| Band4   | 1513    | 1       | VN            | NT               | -3.22          | -0.001837       | ±2.5        | PASS    |
| Band4   | 1513    | 1       | VL            | NT               | -1.89          | -0.001078       | ±2.5        | PASS    |
| Band4   | 1513    | 1       | VH            | NT               | -3.74          | -0.002134       | ±2.5        | PASS    |
| Band4   | 1513    | 2       | VN            | NT               | -1.50          | -0.000856       | ±2.5        | PASS    |
| Band4   | 1513    | 2       | VL            | NT               | -1.46          | -0.000833       | ±2.5        | PASS    |
| Band4   | 1513    | 2       | VH            | NT               | -1.48          | -0.000844       | ±2.5        | PASS    |
| Band4   | 1513    | 3       | VN            | NT               | -1.26          | -0.000719       | ±2.5        | PASS    |
| Band4   | 1513    | 3       | VL            | NT               | -0.75          | -0.000428       | ±2.5        | PASS    |
| Band4   | 1513    | 3       | VH            | NT               | -2.11          | -0.001204       | ±2.5        | PASS    |

|       |      |   |    |    |       |           |      |      |
|-------|------|---|----|----|-------|-----------|------|------|
| Band4 | 1513 | 4 | VN | NT | -2.30 | -0.001312 | ±2.5 | PASS |
| Band4 | 1513 | 4 | VL | NT | -2.43 | -0.001387 | ±2.5 | PASS |
| Band4 | 1513 | 4 | VH | NT | -3.82 | -0.002180 | ±2.5 | PASS |
| Band4 | 1513 | 5 | VN | NT | -4.42 | -0.002522 | ±2.5 | PASS |
| Band4 | 1513 | 5 | VL | NT | -2.29 | -0.001307 | ±2.5 | PASS |
| Band4 | 1513 | 5 | VH | NT | -3.62 | -0.002066 | ±2.5 | PASS |

| Temperature |         |         |               |                  |                |                 |             |         |
|-------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | SubTest | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4       | 1312    | 1       | NV            | -30              | -0.93          | -0.000543       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | -20              | 0.61           | 0.000356        | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | -10              | -0.28          | -0.000164       | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 0                | 0.84           | 0.000491        | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 10               | 1.75           | 0.001022        | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 20               | 1.70           | 0.000993        | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 30               | 2.22           | 0.001296        | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 40               | 1.99           | 0.001162        | ±2.5        | PASS    |
| Band4       | 1312    | 1       | NV            | 50               | 2.77           | 0.001618        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | -30              | 1.81           | 0.001057        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | -20              | 1.58           | 0.000923        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | -10              | 1.16           | 0.000677        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 0                | 3.67           | 0.002143        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 10               | 1.56           | 0.000911        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 20               | 2.62           | 0.001530        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 30               | 3.05           | 0.001781        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 40               | 4.23           | 0.002470        | ±2.5        | PASS    |
| Band4       | 1312    | 2       | NV            | 50               | 3.86           | 0.002254        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | -30              | 2.37           | 0.001384        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | -20              | 2.08           | 0.001215        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | -10              | 3.74           | 0.002184        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 0                | 3.28           | 0.001915        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 10               | 3.46           | 0.002021        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 20               | 2.98           | 0.001740        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 30               | 4.34           | 0.002534        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 40               | 4.13           | 0.002412        | ±2.5        | PASS    |
| Band4       | 1312    | 3       | NV            | 50               | 4.01           | 0.002342        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | -30              | 2.06           | 0.001203        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | -20              | 3.25           | 0.001898        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | -10              | 4.13           | 0.002412        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | 0                | 3.06           | 0.001787        | ±2.5        | PASS    |
| Band4       | 1312    | 4       | NV            | 10               | 3.34           | 0.001950        | ±2.5        | PASS    |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band4 | 1312 | 4 | NV | 20  | 2.62  | 0.001530  | ±2.5 | PASS |
| Band4 | 1312 | 4 | NV | 30  | 3.56  | 0.002079  | ±2.5 | PASS |
| Band4 | 1312 | 4 | NV | 40  | 3.21  | 0.001875  | ±2.5 | PASS |
| Band4 | 1312 | 4 | NV | 50  | 3.16  | 0.001845  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | -30 | 2.13  | 0.001244  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | -20 | 1.87  | 0.001092  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | -10 | 3.46  | 0.002021  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | 0   | 4.11  | 0.002400  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | 10  | 3.30  | 0.001927  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | 20  | 4.72  | 0.002756  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | 30  | 3.14  | 0.001834  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | 40  | 4.21  | 0.002459  | ±2.5 | PASS |
| Band4 | 1312 | 5 | NV | 50  | 4.46  | 0.002605  | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | -30 | -1.82 | -0.001050 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | -20 | 0.20  | 0.000115  | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | -10 | -1.23 | -0.000710 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 0   | -0.45 | -0.000260 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 10  | 0.85  | 0.000491  | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 20  | 0.09  | 0.000052  | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 30  | -0.53 | -0.000306 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 40  | -0.02 | -0.000012 | ±2.5 | PASS |
| Band4 | 1413 | 1 | NV | 50  | -0.03 | -0.000017 | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | -30 | -0.46 | -0.000265 | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | -20 | -0.81 | -0.000468 | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | -10 | -0.88 | -0.000508 | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 0   | -0.43 | -0.000248 | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 10  | 0.75  | 0.000433  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 20  | 0.38  | 0.000219  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 30  | -0.37 | -0.000214 | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 40  | 0.30  | 0.000173  | ±2.5 | PASS |
| Band4 | 1413 | 2 | NV | 50  | -1.07 | -0.000618 | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | -30 | -1.45 | -0.000837 | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | -20 | 0.07  | 0.000040  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | -10 | -1.18 | -0.000681 | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 0   | 0.12  | 0.000069  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 10  | 0.35  | 0.000202  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 20  | 1.59  | 0.000918  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 30  | 0.86  | 0.000496  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 40  | 0.57  | 0.000329  | ±2.5 | PASS |
| Band4 | 1413 | 3 | NV | 50  | -0.52 | -0.000300 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | -30 | -1.57 | -0.000906 | ±2.5 | PASS |



|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band4 | 1413 | 4 | NV | -20 | -1.79 | -0.001033 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | -10 | 0.58  | 0.000335  | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 0   | 0.21  | 0.000121  | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 10  | 0.27  | 0.000156  | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 20  | 0.38  | 0.000219  | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 30  | -0.76 | -0.000439 | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 40  | 0.10  | 0.000058  | ±2.5 | PASS |
| Band4 | 1413 | 4 | NV | 50  | -0.84 | -0.000485 | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | -30 | -1.14 | -0.000658 | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | -20 | -0.69 | -0.000398 | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | -10 | -1.64 | -0.000947 | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | 0   | -0.57 | -0.000329 | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | 10  | -0.82 | -0.000473 | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | 20  | -1.00 | -0.000577 | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | 30  | 0.37  | 0.000214  | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | 40  | 0.13  | 0.000075  | ±2.5 | PASS |
| Band4 | 1413 | 5 | NV | 50  | 0.28  | 0.000162  | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | -30 | -4.82 | -0.002750 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | -20 | -3.67 | -0.002094 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | -10 | -3.96 | -0.002260 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 0   | -4.20 | -0.002396 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 10  | -3.46 | -0.001974 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 20  | -2.41 | -0.001375 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 30  | -2.85 | -0.001626 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 40  | -3.78 | -0.002157 | ±2.5 | PASS |
| Band4 | 1513 | 1 | NV | 50  | -2.58 | -0.001472 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | -30 | -2.05 | -0.001170 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | -20 | -2.41 | -0.001375 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | -10 | -3.02 | -0.001723 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 0   | -3.49 | -0.001991 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 10  | -3.12 | -0.001780 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 20  | -2.78 | -0.001586 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 30  | -2.26 | -0.001290 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 40  | -2.74 | -0.001563 | ±2.5 | PASS |
| Band4 | 1513 | 2 | NV | 50  | -2.31 | -0.001318 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | -30 | -2.01 | -0.001147 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | -20 | -1.46 | -0.000833 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | -10 | -3.59 | -0.002048 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 0   | -2.75 | -0.001569 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 10  | -1.82 | -0.001038 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 20  | -3.09 | -0.001763 | ±2.5 | PASS |

|       |      |   |    |     |       |           |      |      |
|-------|------|---|----|-----|-------|-----------|------|------|
| Band4 | 1513 | 3 | NV | 30  | -3.39 | -0.001934 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 40  | -3.46 | -0.001974 | ±2.5 | PASS |
| Band4 | 1513 | 3 | NV | 50  | -2.66 | -0.001518 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | -30 | -3.86 | -0.002202 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | -20 | -3.19 | -0.001820 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | -10 | -1.72 | -0.000981 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 0   | -1.60 | -0.000913 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 10  | -2.48 | -0.001415 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 20  | -2.91 | -0.001660 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 30  | -2.29 | -0.001307 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 40  | -1.47 | -0.000839 | ±2.5 | PASS |
| Band4 | 1513 | 4 | NV | 50  | -2.15 | -0.001227 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | -30 | -3.61 | -0.002060 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | -20 | -3.19 | -0.001820 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | -10 | -3.62 | -0.002066 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | 0   | -2.93 | -0.001672 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | 10  | -3.85 | -0.002197 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | 20  | -4.72 | -0.002693 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | 30  | -3.47 | -0.001980 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | 40  | -4.38 | -0.002499 | ±2.5 | PASS |
| Band4 | 1513 | 5 | NV | 50  | -4.15 | -0.002368 | ±2.5 | PASS |

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