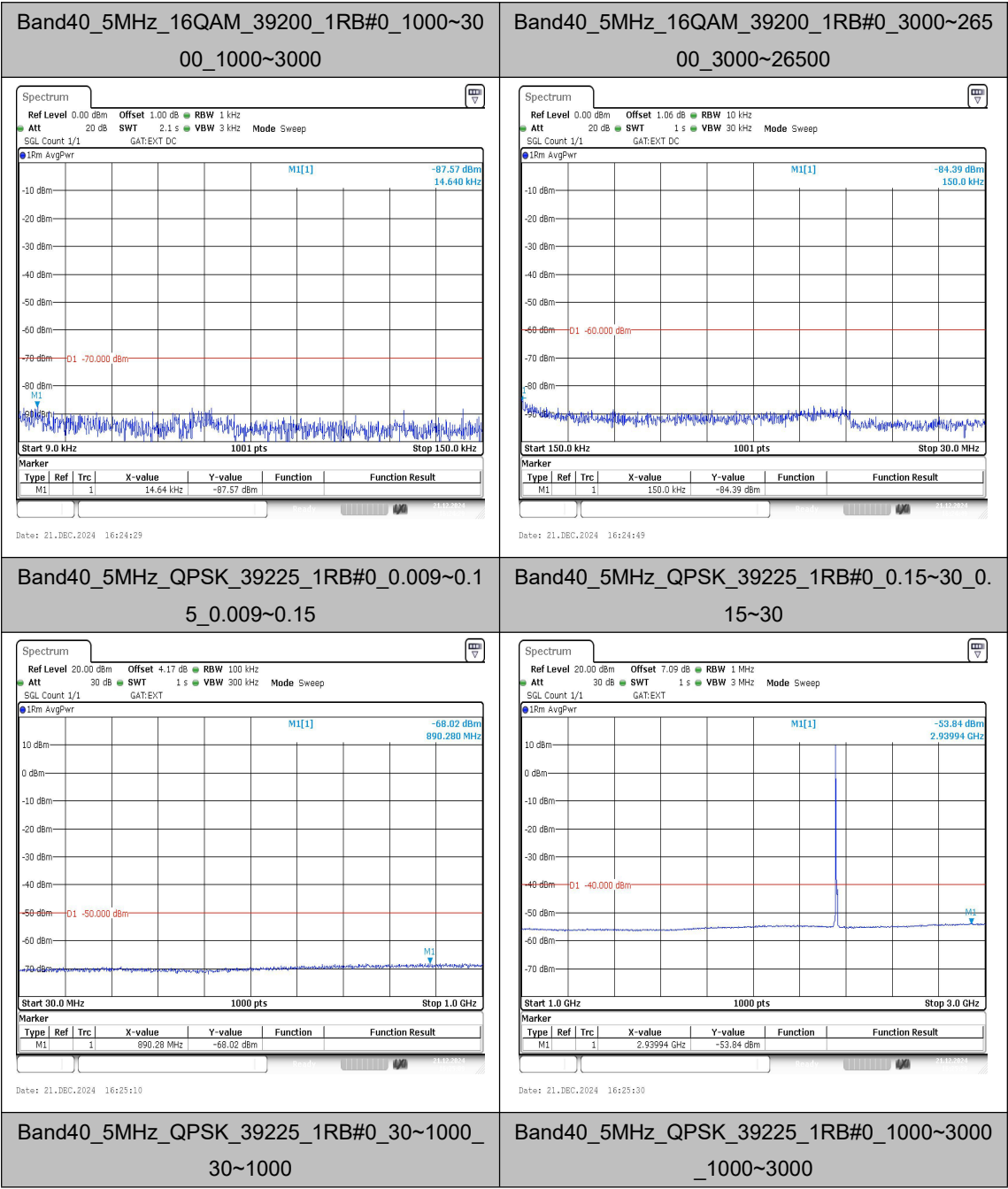
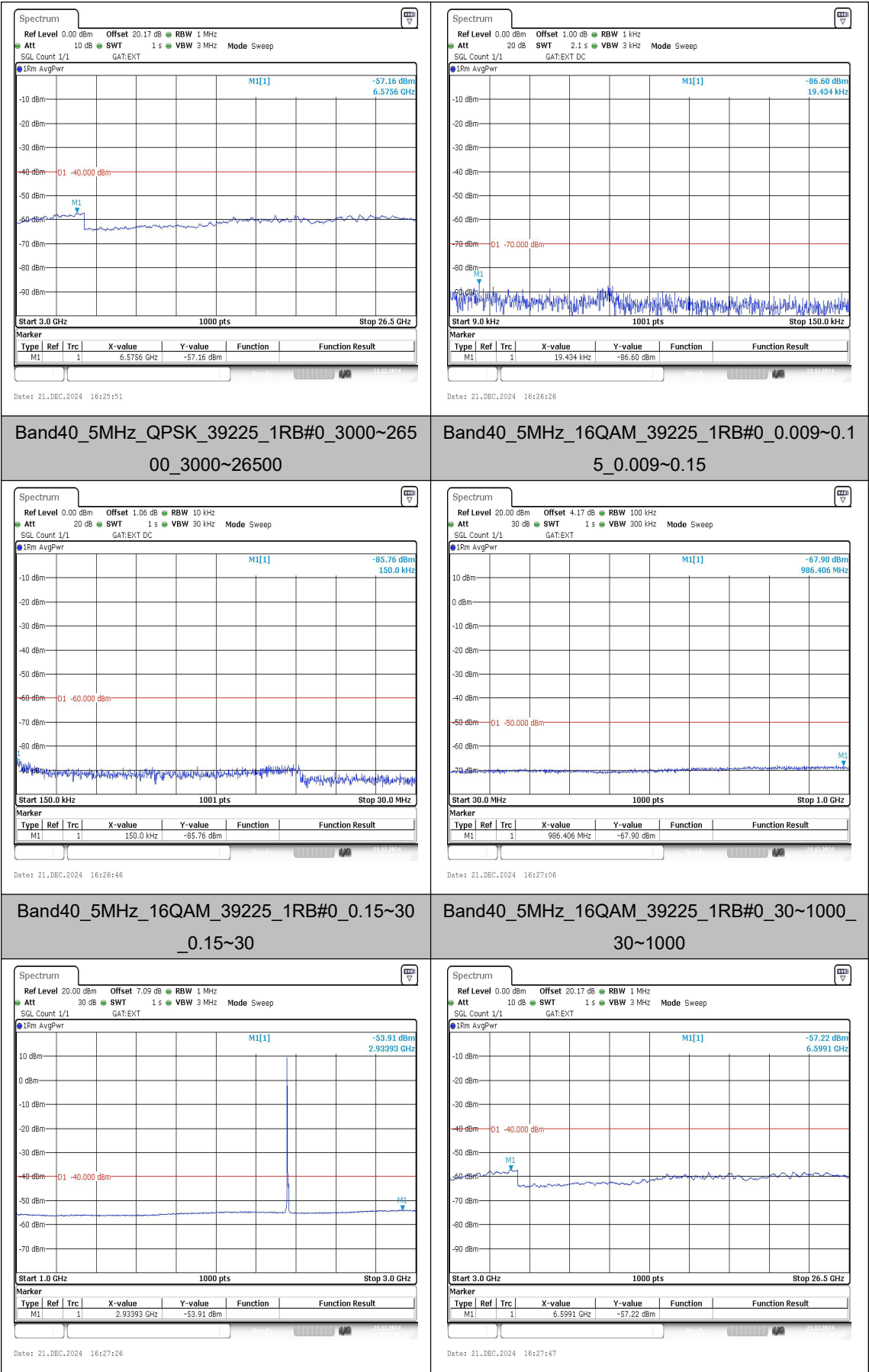
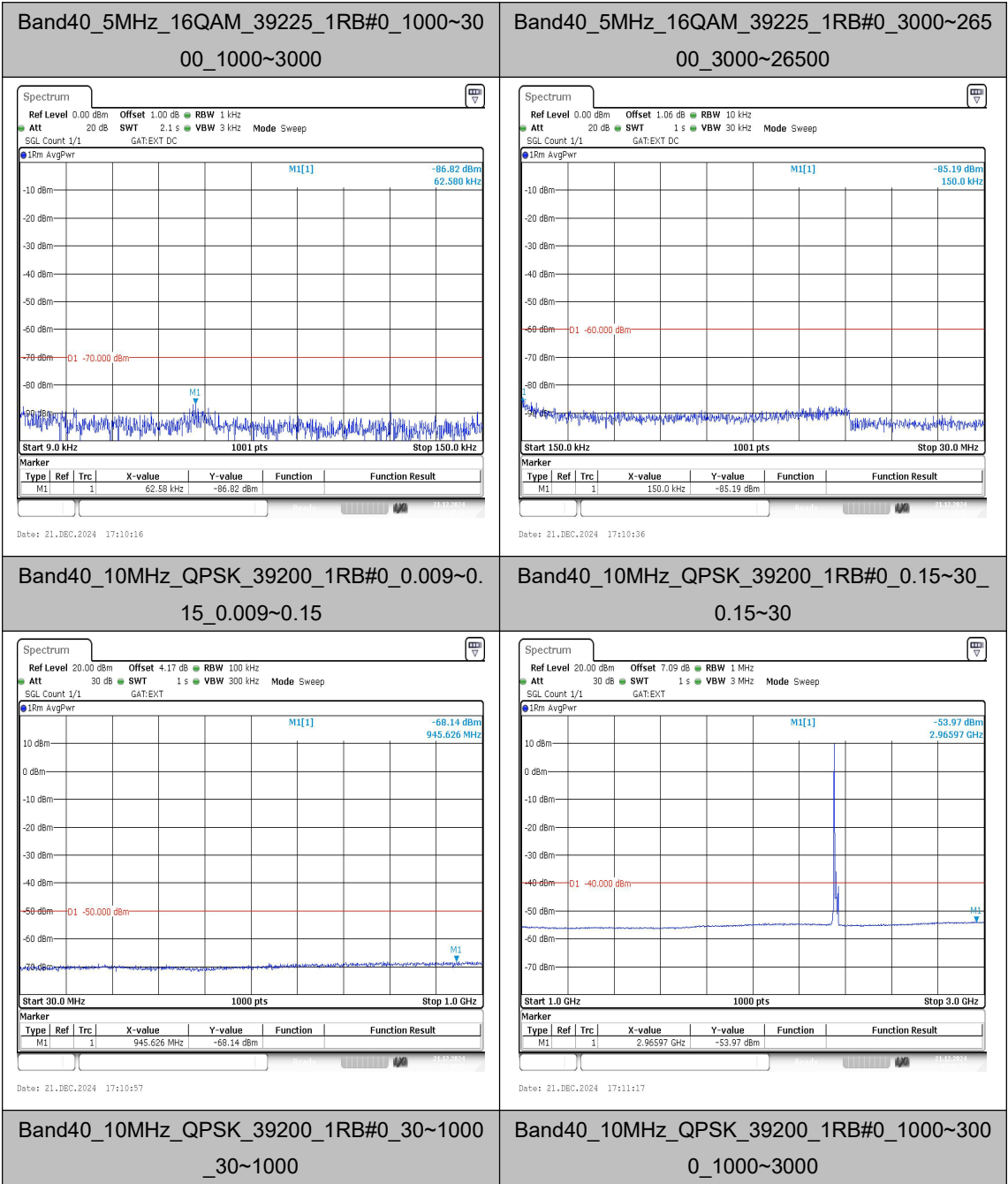
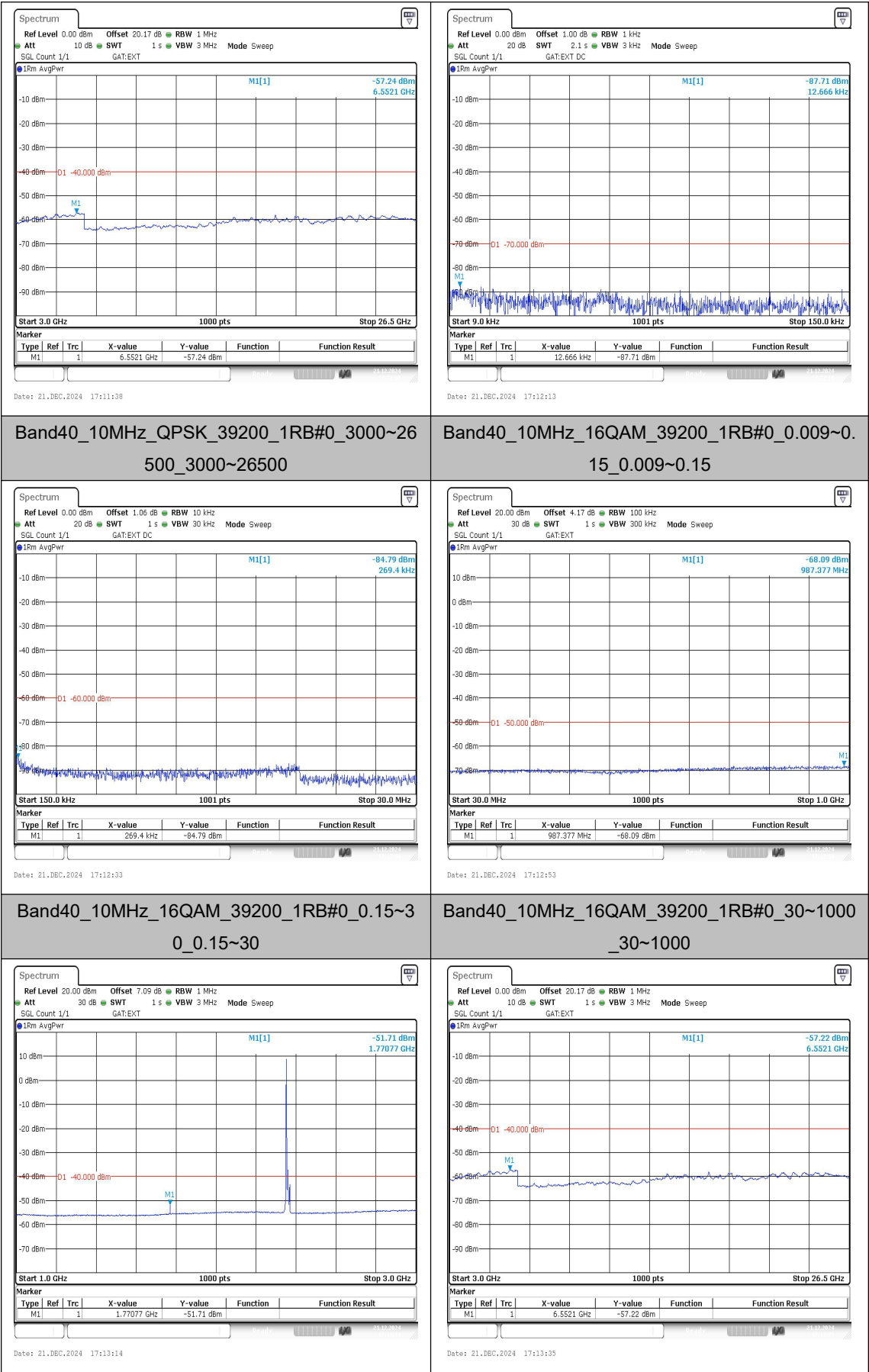










|                                                    |                                                          |
|----------------------------------------------------|----------------------------------------------------------|
| Band40_10MHz_16QAM_39200_1RB#0_1000~3000_1000~3000 | Band40_10MHz_16QAM_39200_1RB#0_3000~26500_500_3000~26500 |
|----------------------------------------------------|----------------------------------------------------------|

## Appendix F: Frequency Stability

### Test Result

| Band          | Bandwidth | Modulation | Channel | RB Configuration | Voltage       |                  | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
|               |           |            |         |                  | Voltage [Vdc] | Temperature (°C) |                |                 |             |         |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0           | VN            | NT               | -3.88          | -0.001649       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0           | VL            | NT               | -5.19          | -0.002206       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0           | VH            | NT               | -4.55          | -0.001934       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39175   | 25RB#0           | VN            | NT               | -2.78          | -0.001182       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39175   | 25RB#0           | VL            | NT               | 5.55           | 0.002359        | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39175   | 25RB#0           | VH            | NT               | -3.85          | -0.001637       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39200   | 25RB#0           | VN            | NT               | 7.88           | 0.003346        | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39200   | 25RB#0           | VL            | NT               | -12.27         | -0.005210       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39200   | 25RB#0           | VH            | NT               | -15.16         | -0.006437       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39200   | 25RB#0           | VN            | NT               | -13.99         | -0.005941       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39200   | 25RB#0           | VL            | NT               | -15.34         | -0.006514       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39200   | 25RB#0           | VH            | NT               | -14.55         | -0.006178       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39225   | 25RB#0           | VN            | NT               | 15.51          | 0.006579        | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39225   | 25RB#0           | VL            | NT               | 4.32           | 0.001832        | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39225   | 25RB#0           | VH            | NT               | -6.21          | -0.002634       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39225   | 25RB#0           | VN            | NT               | -4.95          | -0.002100       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39225   | 25RB#0           | VL            | NT               | -7.45          | -0.003160       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39225   | 25RB#0           | VH            | NT               | -3.55          | -0.001506       | ±2.5        | PASS    |

|               |       |       |       |        |    |    |        |           |      |      |
|---------------|-------|-------|-------|--------|----|----|--------|-----------|------|------|
| -2360)        |       |       |       |        |    |    |        |           |      |      |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | VN | NT | -12.92 | -0.005486 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | VL | NT | -12.37 | -0.005253 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | VH | NT | -9.40  | -0.003992 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | VN | NT | -12.97 | -0.005507 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | VL | NT | -10.44 | -0.004433 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | VH | NT | -13.33 | -0.005660 | ±2.5 | PASS |

| Temperature   |           |            |         |              |               |                  |                |                 |             |         |
|---------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band          | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | -30              | -5.71          | -0.002427       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | -20              | -3.38          | -0.001437       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | -10              | -4.52          | -0.001921       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | 0                | -4.65          | -0.001977       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | 10               | -8.74          | -0.003715       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | 20               | -12.02         | -0.005109       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | 30               | -11.46         | -0.004871       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | 40               | -6.47          | -0.002750       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | QPSK       | 39175   | 25RB#0       | NV            | 50               | 8.35           | 0.003549        | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39175   | 25RB#0       | NV            | -30              | -6.39          | -0.002716       | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39175   | 25RB#0       | NV            | -20              | 4.39           | 0.001866        | ±2.5        | PASS    |
| 40(2350-2360) | 5MHz      | 16QAM      | 39175   | 25RB#0       | NV            | -10              | -15.05         | -0.006397       | ±2.5        | PASS    |

|               |      |       |       |        |    |     |        |           |      |      |
|---------------|------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 40(2350-2360) | 5MHz | 16QAM | 39175 | 25RB#0 | NV | 0   | -12.63 | -0.005369 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39175 | 25RB#0 | NV | 10  | -22.02 | -0.009360 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39175 | 25RB#0 | NV | 20  | -17.29 | -0.007350 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39175 | 25RB#0 | NV | 30  | -10.13 | -0.004306 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39175 | 25RB#0 | NV | 40  | -3.40  | -0.001445 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39175 | 25RB#0 | NV | 50  | -3.45  | -0.001467 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | -30 | -12.07 | -0.005125 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | -20 | -14.48 | -0.006149 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | -10 | -8.58  | -0.003643 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | 0   | -18.57 | -0.007885 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | 10  | -4.78  | -0.002030 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | 20  | 4.39   | 0.001864  | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | 30  | -18.68 | -0.007932 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | 40  | -11.23 | -0.004769 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39200 | 25RB#0 | NV | 50  | -6.05  | -0.002569 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | -30 | -14.28 | -0.006064 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | -20 | -17.67 | -0.007503 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | -10 | -7.47  | -0.003172 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | 0   | 4.25   | 0.001805  | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | 10  | 4.39   | 0.001864  | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | 20  | -8.78  | -0.003728 | ±2.5 | PASS |

|               |      |       |       |        |    |     |        |           |      |      |
|---------------|------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | 30  | -3.83  | -0.001626 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | 40  | 4.66   | 0.001979  | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39200 | 25RB#0 | NV | 50  | -8.33  | -0.003537 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | -30 | -3.52  | -0.001493 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | -20 | -7.08  | -0.003003 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | -10 | -4.59  | -0.001947 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | 0   | 3.30   | 0.001400  | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | 10  | -2.53  | -0.001073 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | 20  | -5.95  | -0.002524 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | 30  | -6.65  | -0.002821 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | 40  | -6.75  | -0.002863 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | QPSK  | 39225 | 25RB#0 | NV | 50  | -7.58  | -0.003215 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | -30 | -6.18  | -0.002621 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | -20 | -6.04  | -0.002562 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | -10 | -7.22  | -0.003063 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | 0   | -10.46 | -0.004437 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | 10  | 5.94   | 0.002520  | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | 20  | -5.92  | -0.002511 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | 30  | -6.14  | -0.002604 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | 40  | -3.68  | -0.001561 | ±2.5 | PASS |
| 40(2350-2360) | 5MHz | 16QAM | 39225 | 25RB#0 | NV | 50  | -2.40  | -0.001018 | ±2.5 | PASS |

|               |       |       |       |        |    |     |        |           |      |      |
|---------------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | -30 | -7.28  | -0.003091 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | -20 | -12.16 | -0.005163 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | -10 | -14.06 | -0.005970 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 0   | -12.22 | -0.005189 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 10  | -13.49 | -0.005728 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 20  | -5.51  | -0.002340 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 30  | -12.70 | -0.005393 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 40  | -11.84 | -0.005028 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 50  | -13.26 | -0.005631 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | -30 | -15.92 | -0.006760 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | -20 | -11.40 | -0.004841 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | -10 | -13.06 | -0.005546 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 0   | -14.83 | -0.006297 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 10  | -15.56 | -0.006607 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 20  | -13.72 | -0.005826 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 30  | -13.19 | -0.005601 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 40  | -9.60  | -0.004076 | ±2.5 | PASS |
| 40(2350-2360) | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 50  | -8.57  | -0.003639 | ±2.5 | PASS |