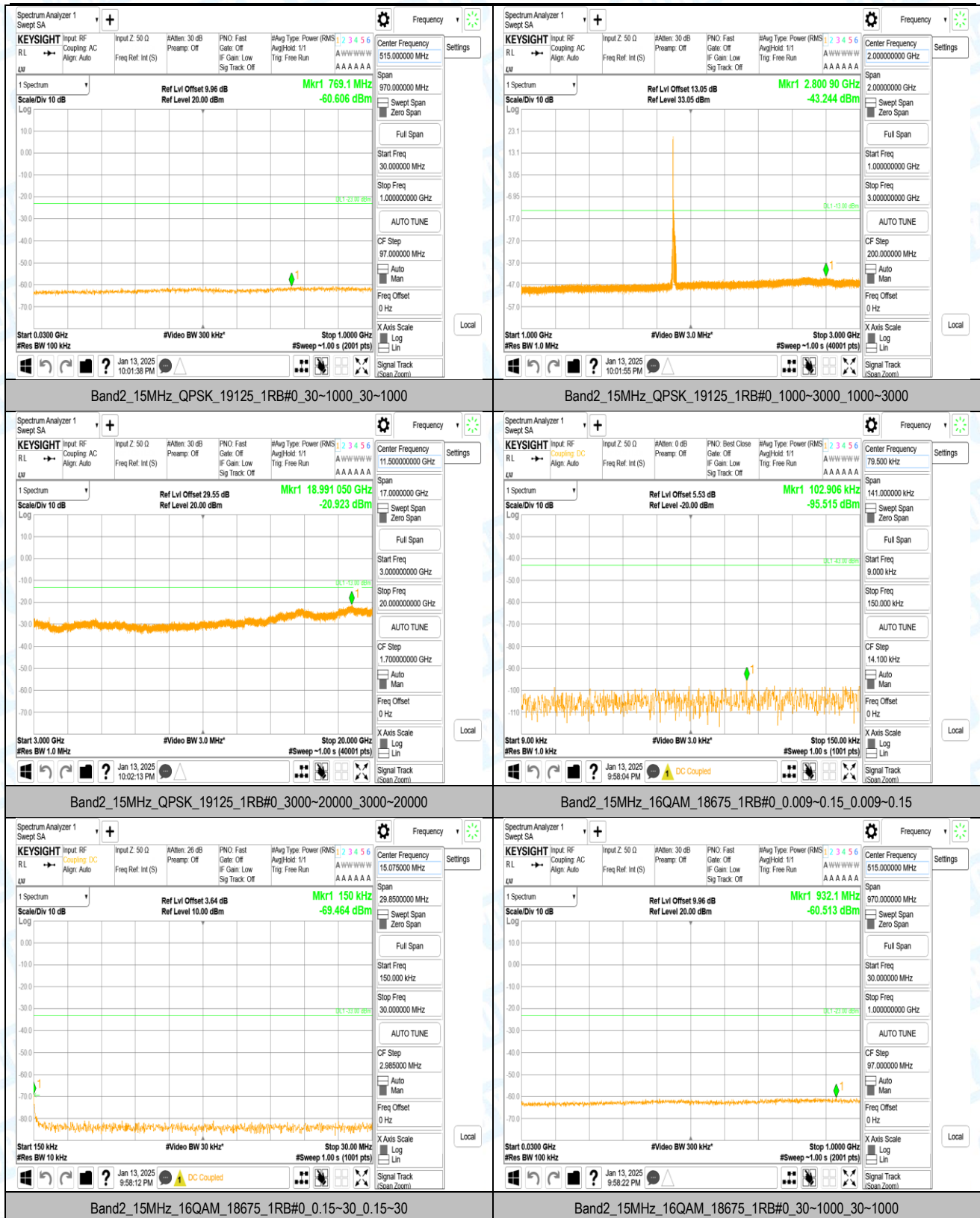
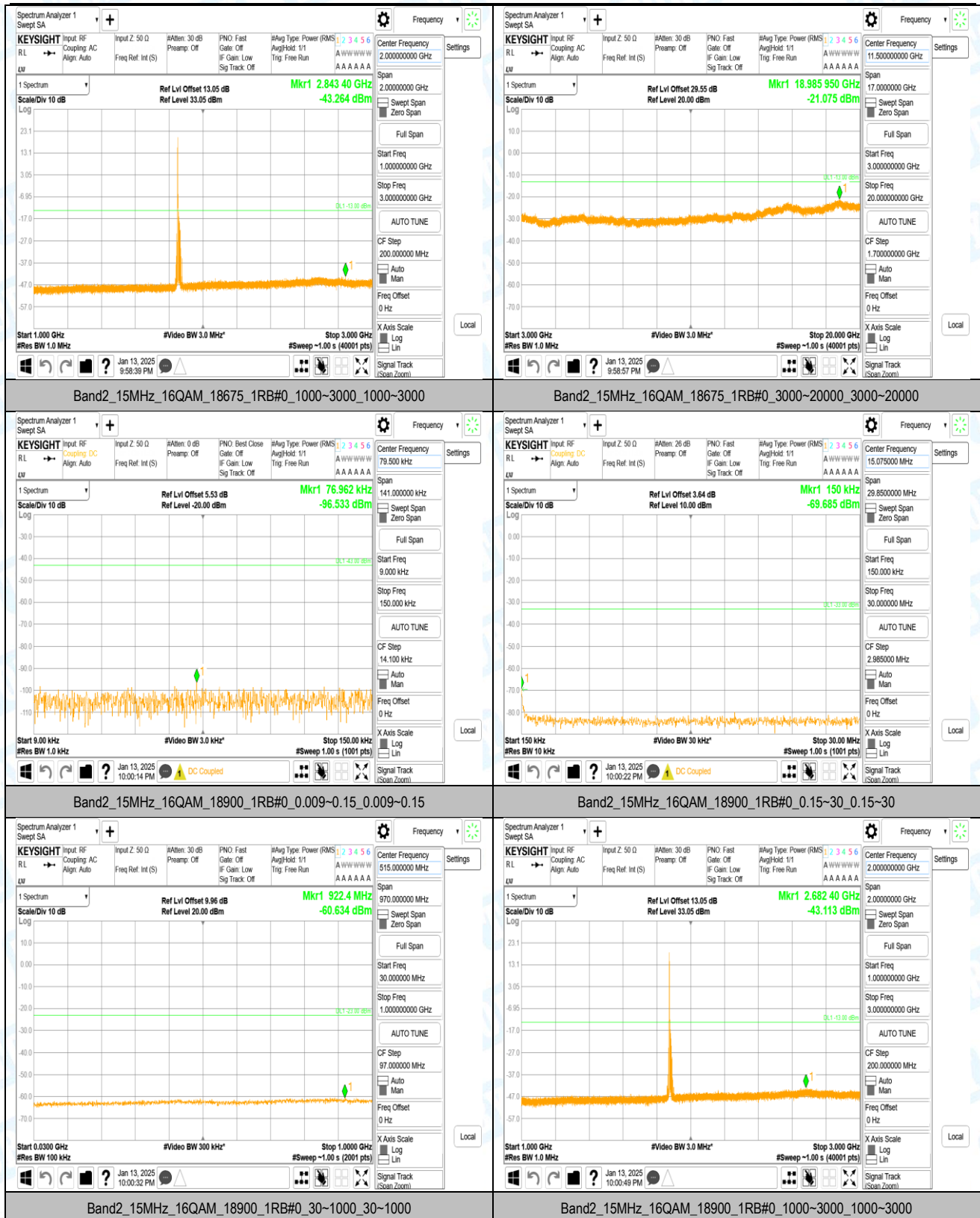
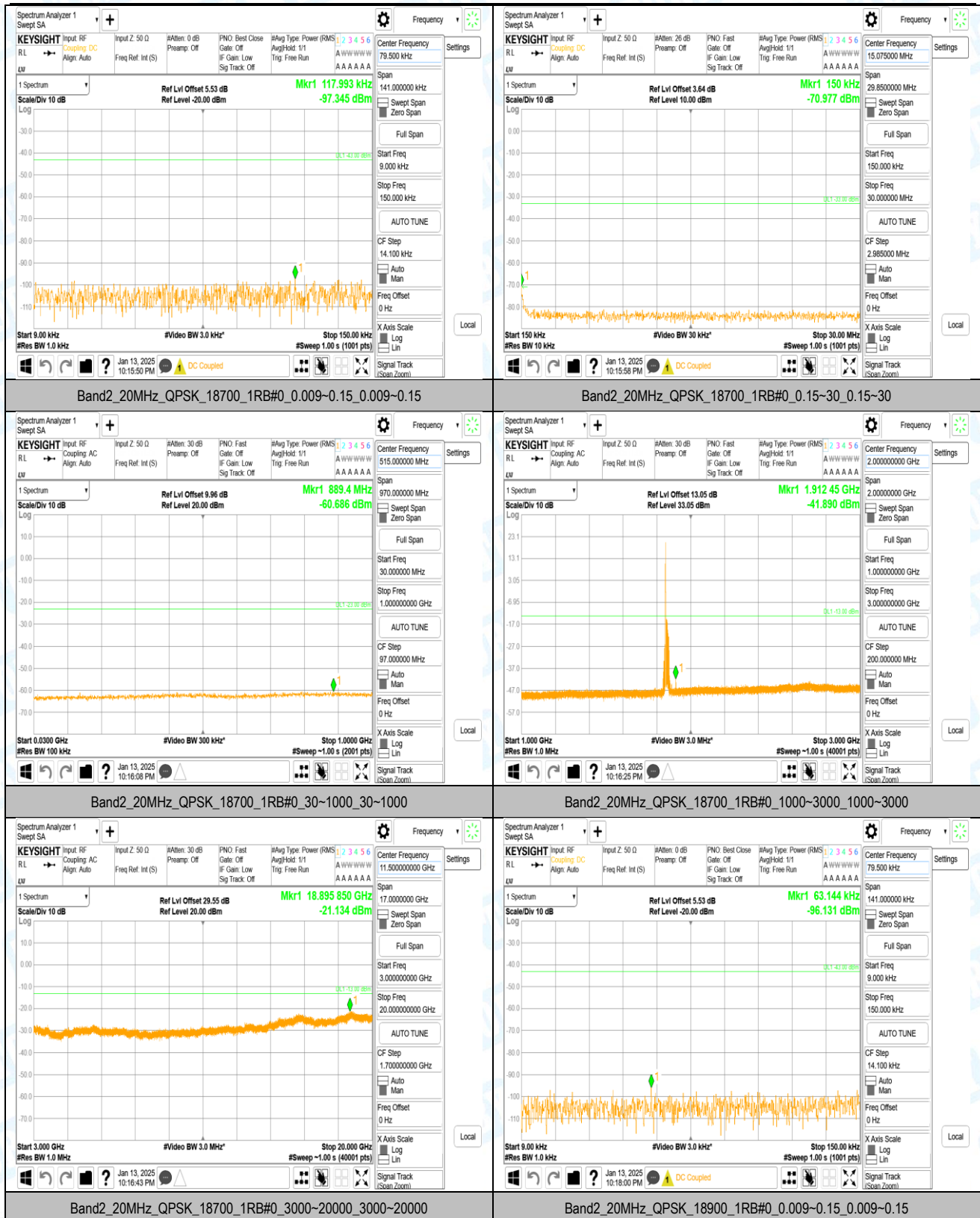


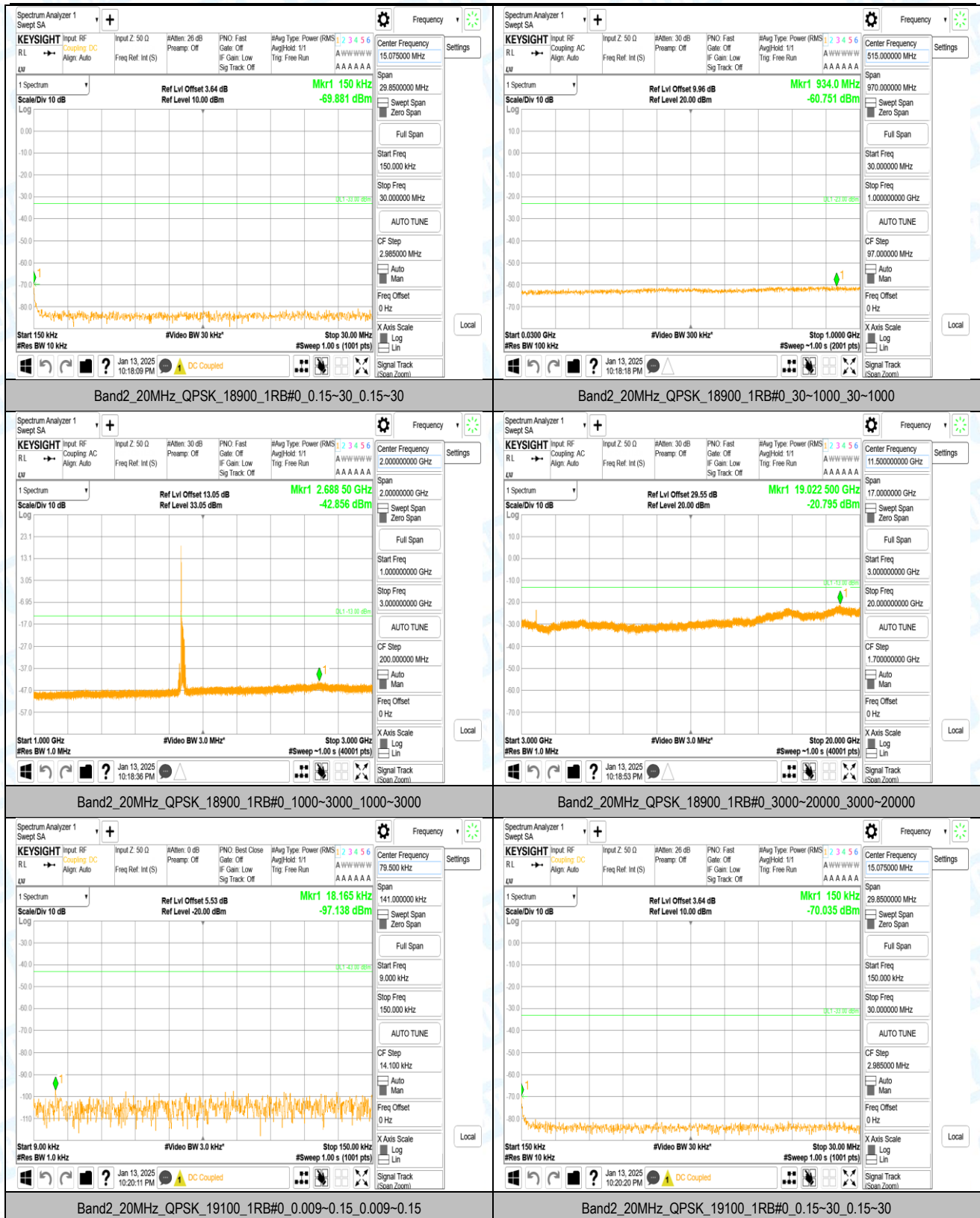


















## 6: Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2   | 1.4MHz    | QPSK       | 18900   | 6RB#0        | VN            | NT               | -33.89         | -0.018027       | ±2.5        | PASS    |
| Band2   | 1.4MHz    | QPSK       | 18900   | 6RB#0        | VL            | NT               | -9.82          | -0.005223       | ±2.5        | PASS    |
| Band2   | 1.4MHz    | QPSK       | 18900   | 6RB#0        | VH            | NT               | 4.98           | 0.002649        | ±2.5        | PASS    |
| Band2   | 1.4MHz    | 16QAM      | 18900   | 6RB#0        | VN            | NT               | -2.92          | -0.001553       | ±2.5        | PASS    |
| Band2   | 1.4MHz    | 16QAM      | 18900   | 6RB#0        | VL            | NT               | -33.88         | -0.018021       | ±2.5        | PASS    |
| Band2   | 1.4MHz    | 16QAM      | 18900   | 6RB#0        | VH            | NT               | -19.37         | -0.010303       | ±2.5        | PASS    |
| Band2   | 3MHz      | QPSK       | 18900   | 15RB#0       | VN            | NT               | -53.50         | -0.028457       | ±2.5        | PASS    |
| Band2   | 3MHz      | QPSK       | 18900   | 15RB#0       | VL            | NT               | -3.46          | -0.001840       | ±2.5        | PASS    |
| Band2   | 3MHz      | QPSK       | 18900   | 15RB#0       | VH            | NT               | 19.26          | 0.010245        | ±2.5        | PASS    |
| Band2   | 3MHz      | 16QAM      | 18900   | 15RB#0       | VN            | NT               | 18.00          | 0.009574        | ±2.5        | PASS    |
| Band2   | 3MHz      | 16QAM      | 18900   | 15RB#0       | VL            | NT               | -27.57         | -0.014665       | ±2.5        | PASS    |
| Band2   | 3MHz      | 16QAM      | 18900   | 15RB#0       | VH            | NT               | -27.88         | -0.014830       | ±2.5        | PASS    |
| Band2   | 5MHz      | QPSK       | 18900   | 25RB#0       | VN            | NT               | -30.50         | -0.016223       | ±2.5        | PASS    |
| Band2   | 5MHz      | QPSK       | 18900   | 25RB#0       | VL            | NT               | -19.37         | -0.010303       | ±2.5        | PASS    |
| Band2   | 5MHz      | QPSK       | 18900   | 25RB#0       | VH            | NT               | -4.81          | -0.002559       | ±2.5        | PASS    |
| Band2   | 5MHz      | 16QAM      | 18900   | 25RB#0       | VN            | NT               | -15.50         | -0.008245       | ±2.5        | PASS    |
| Band2   | 5MHz      | 16QAM      | 18900   | 25RB#0       | VL            | NT               | -55.56         | -0.029553       | ±2.5        | PASS    |
| Band2   | 5MHz      | 16QAM      | 18900   | 25RB#0       | VH            | NT               | -50.38         | -0.026798       | ±2.5        | PASS    |
| Band2   | 10MHz     | QPSK       | 18900   | 50RB#0       | VN            | NT               | -52.43         | -0.027888       | ±2.5        | PASS    |
| Band2   | 10MHz     | QPSK       | 18900   | 50RB#0       | VL            | NT               | -32.80         | -0.017447       | ±2.5        | PASS    |
| Band2   | 10MHz     | QPSK       | 18900   | 50RB#0       | VH            | NT               | 29.88          | 0.015894        | ±2.5        | PASS    |
| Band2   | 10MHz     | 16QAM      | 18900   | 50RB#0       | VN            | NT               | 36.25          | 0.019282        | ±2.5        | PASS    |
| Band2   | 10MHz     | 16QAM      | 18900   | 50RB#0       | VL            | NT               | -11.50         | -0.006117       | ±2.5        | PASS    |
| Band2   | 10MHz     | 16QAM      | 18900   | 50RB#0       | VH            | NT               | -14.84         | -0.007894       | ±2.5        | PASS    |
| Band2   | 15MHz     | QPSK       | 18900   | 75RB#0       | VN            | NT               | -31.15         | -0.016569       | ±2.5        | PASS    |
| Band2   | 15MHz     | QPSK       | 18900   | 75RB#0       | VL            | NT               | 28.85          | 0.015346        | ±2.5        | PASS    |
| Band2   | 15MHz     | QPSK       | 18900   | 75RB#0       | VH            | NT               | 44.58          | 0.023713        | ±2.5        | PASS    |
| Band2   | 15MHz     | 16QAM      | 18900   | 75RB#0       | VN            | NT               | 44.05          | 0.023431        | ±2.5        | PASS    |
| Band2   | 15MHz     | 16QAM      | 18900   | 75RB#0       | VL            | NT               | -44.77         | -0.023814       | ±2.5        | PASS    |
| Band2   | 15MHz     | 16QAM      | 18900   | 75RB#0       | VH            | NT               | -26.02         | -0.013840       | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VN            | NT               | -59.81         | -0.031814       | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VL            | NT               | 25.45          | 0.013537        | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VH            | NT               | 36.61          | 0.019473        | ±2.5        | PASS    |
| Band2   | 20MHz     | 16QAM      | 18900   | 100RB#0      | VN            | NT               | 35.22          | 0.018734        | ±2.5        | PASS    |
| Band2   | 20MHz     | 16QAM      | 18900   | 100RB#0      | VL            | NT               | -15.05         | -0.008005       | ±2.5        | PASS    |
| Band2   | 20MHz     | 16QAM      | 18900   | 100RB#0      | VH            | NT               | -45.34         | -0.024117       | ±2.5        | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2       | 1.4MHz    | QPSK       | 18900   | 6RB#0        | NV            | 0                | 16.11          | 0.008569        | ±2.5        | PASS    |
| Band2       | 1.4MHz    | QPSK       | 18900   | 6RB#0        | NV            | 10               | 13.19          | 0.007016        | ±2.5        | PASS    |
| Band2       | 1.4MHz    | QPSK       | 18900   | 6RB#0        | NV            | 20               | 6.92           | 0.003681        | ±2.5        | PASS    |
| Band2       | 1.4MHz    | QPSK       | 18900   | 6RB#0        | NV            | 30               | 8.14           | 0.004330        | ±2.5        | PASS    |
| Band2       | 1.4MHz    | 16QAM      | 18900   | 6RB#0        | NV            | 0                | -23.95         | -0.012739       | ±2.5        | PASS    |
| Band2       | 1.4MHz    | 16QAM      | 18900   | 6RB#0        | NV            | 10               | -13.80         | -0.007340       | ±2.5        | PASS    |
| Band2       | 1.4MHz    | 16QAM      | 18900   | 6RB#0        | NV            | 20               | -33.82         | -0.017989       | ±2.5        | PASS    |
| Band2       | 1.4MHz    | 16QAM      | 18900   | 6RB#0        | NV            | 30               | -9.99          | -0.005314       | ±2.5        | PASS    |
| Band2       | 3MHz      | QPSK       | 18900   | 15RB#0       | NV            | 0                | 52.90          | 0.028138        | ±2.5        | PASS    |
| Band2       | 3MHz      | QPSK       | 18900   | 15RB#0       | NV            | 10               | -6.15          | -0.003271       | ±2.5        | PASS    |
| Band2       | 3MHz      | QPSK       | 18900   | 15RB#0       | NV            | 20               | 31.86          | 0.016947        | ±2.5        | PASS    |
| Band2       | 3MHz      | QPSK       | 18900   | 15RB#0       | NV            | 30               | 48.39          | 0.025739        | ±2.5        | PASS    |
| Band2       | 3MHz      | 16QAM      | 18900   | 15RB#0       | NV            | 0                | -40.14         | -0.021351       | ±2.5        | PASS    |
| Band2       | 3MHz      | 16QAM      | 18900   | 15RB#0       | NV            | 10               | 12.13          | 0.006452        | ±2.5        | PASS    |
| Band2       | 3MHz      | 16QAM      | 18900   | 15RB#0       | NV            | 20               | -31.25         | -0.016622       | ±2.5        | PASS    |
| Band2       | 3MHz      | 16QAM      | 18900   | 15RB#0       | NV            | 30               | -23.59         | -0.012548       | ±2.5        | PASS    |
| Band2       | 5MHz      | QPSK       | 18900   | 25RB#0       | NV            | 0                | 16.03          | 0.008527        | ±2.5        | PASS    |
| Band2       | 5MHz      | QPSK       | 18900   | 25RB#0       | NV            | 10               | 11.81          | 0.006282        | ±2.5        | PASS    |
| Band2       | 5MHz      | QPSK       | 18900   | 25RB#0       | NV            | 20               | 10.52          | 0.005596        | ±2.5        | PASS    |
| Band2       | 5MHz      | QPSK       | 18900   | 25RB#0       | NV            | 30               | 5.21           | 0.002771        | ±2.5        | PASS    |
| Band2       | 5MHz      | 16QAM      | 18900   | 25RB#0       | NV            | 0                | -30.94         | -0.016457       | ±2.5        | PASS    |
| Band2       | 5MHz      | 16QAM      | 18900   | 25RB#0       | NV            | 10               | -37.56         | -0.019979       | ±2.5        | PASS    |
| Band2       | 5MHz      | 16QAM      | 18900   | 25RB#0       | NV            | 20               | -41.06         | -0.021840       | ±2.5        | PASS    |
| Band2       | 5MHz      | 16QAM      | 18900   | 25RB#0       | NV            | 30               | -44.43         | -0.023633       | ±2.5        | PASS    |
| Band2       | 10MHz     | QPSK       | 18900   | 50RB#0       | NV            | 0                | 19.87          | 0.010569        | ±2.5        | PASS    |
| Band2       | 10MHz     | QPSK       | 18900   | 50RB#0       | NV            | 10               | 33.21          | 0.017665        | ±2.5        | PASS    |
| Band2       | 10MHz     | QPSK       | 18900   | 50RB#0       | NV            | 20               | 45.91          | 0.024420        | ±2.5        | PASS    |
| Band2       | 10MHz     | QPSK       | 18900   | 50RB#0       | NV            | 30               | 47.03          | 0.025016        | ±2.5        | PASS    |
| Band2       | 10MHz     | 16QAM      | 18900   | 50RB#0       | NV            | 0                | -48.70         | -0.025904       | ±2.5        | PASS    |
| Band2       | 10MHz     | 16QAM      | 18900   | 50RB#0       | NV            | 10               | -5.64          | -0.003000       | ±2.5        | PASS    |
| Band2       | 10MHz     | 16QAM      | 18900   | 50RB#0       | NV            | 20               | -2.37          | -0.001261       | ±2.5        | PASS    |
| Band2       | 10MHz     | 16QAM      | 18900   | 50RB#0       | NV            | 30               | -46.62         | -0.024798       | ±2.5        | PASS    |
| Band2       | 15MHz     | QPSK       | 18900   | 75RB#0       | NV            | 0                | 44.38          | 0.023606        | ±2.5        | PASS    |
| Band2       | 15MHz     | QPSK       | 18900   | 75RB#0       | NV            | 10               | 40.65          | 0.021622        | ±2.5        | PASS    |
| Band2       | 15MHz     | QPSK       | 18900   | 75RB#0       | NV            | 20               | 17.51          | 0.009314        | ±2.5        | PASS    |
| Band2       | 15MHz     | QPSK       | 18900   | 75RB#0       | NV            | 30               | 27.83          | 0.014803        | ±2.5        | PASS    |
| Band2       | 15MHz     | 16QAM      | 18900   | 75RB#0       | NV            | 0                | -41.13         | -0.021878       | ±2.5        | PASS    |
| Band2       | 15MHz     | 16QAM      | 18900   | 75RB#0       | NV            | 10               | -20.54         | -0.010926       | ±2.5        | PASS    |
| Band2       | 15MHz     | 16QAM      | 18900   | 75RB#0       | NV            | 20               | -12.71         | -0.006761       | ±2.5        | PASS    |
| Band2       | 15MHz     | 16QAM      | 18900   | 75RB#0       | NV            | 30               | -13.41         | -0.007133       | ±2.5        | PASS    |



|       |       |       |       |         |    |    |        |           |      |      |
|-------|-------|-------|-------|---------|----|----|--------|-----------|------|------|
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | NV | 0  | 31.14  | 0.016564  | ±2.5 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | NV | 10 | 43.68  | 0.023234  | ±2.5 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | NV | 20 | 27.91  | 0.014846  | ±2.5 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | NV | 30 | 11.99  | 0.006378  | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 0  | -43.92 | -0.023362 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 10 | -21.79 | -0.011590 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 20 | -7.05  | -0.003750 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 30 | -9.76  | -0.005191 | ±2.5 | PASS |

-----END OF THE REPORT-----