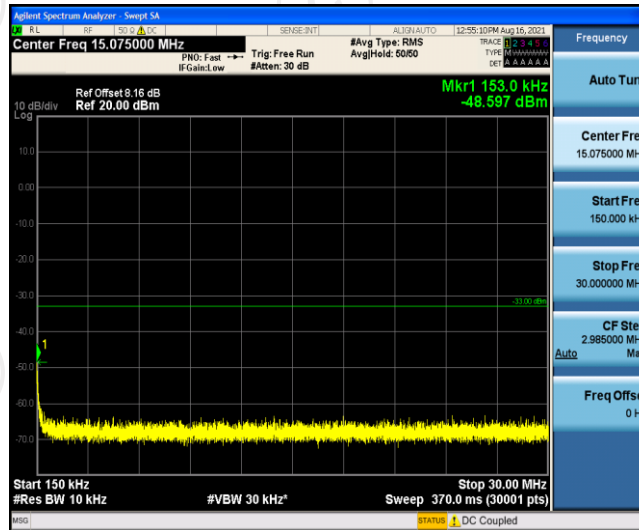
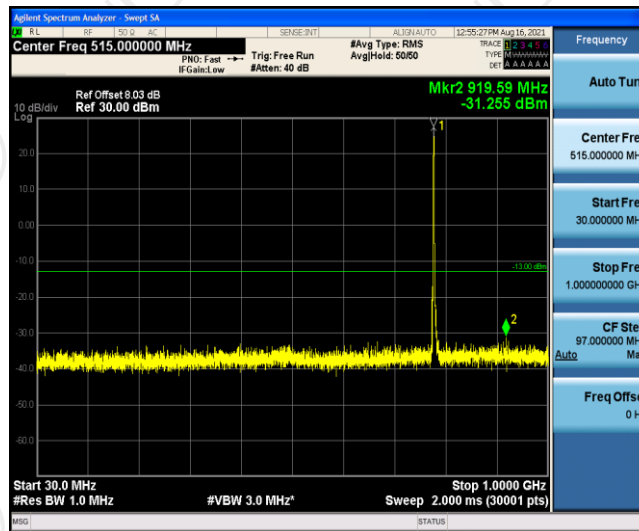
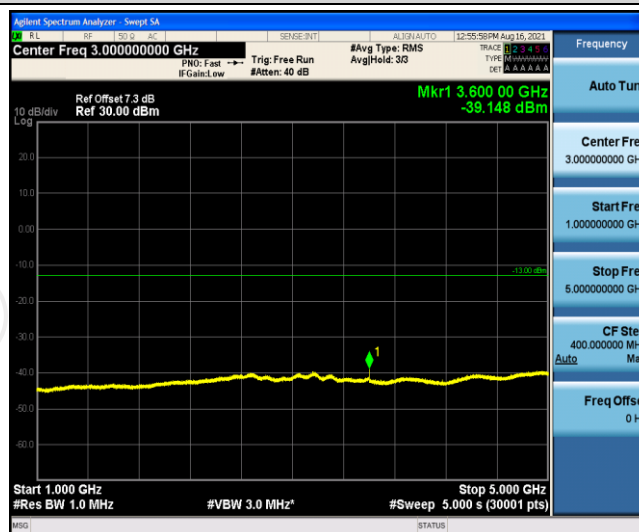




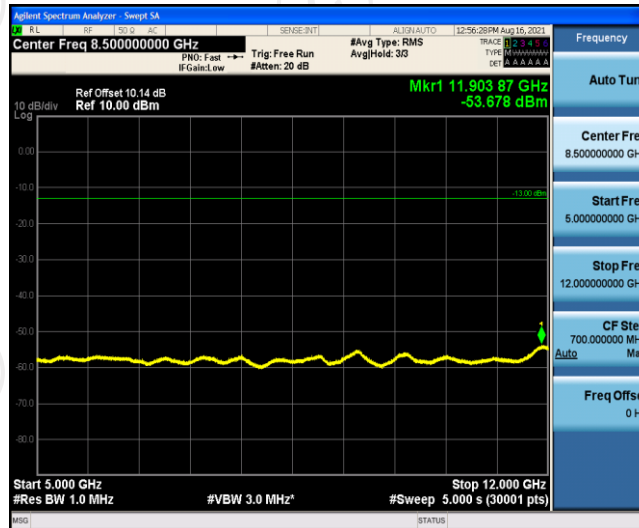
Band13-5MHz-QPSK-23255-1RB#0-Range3:30~1000MHz



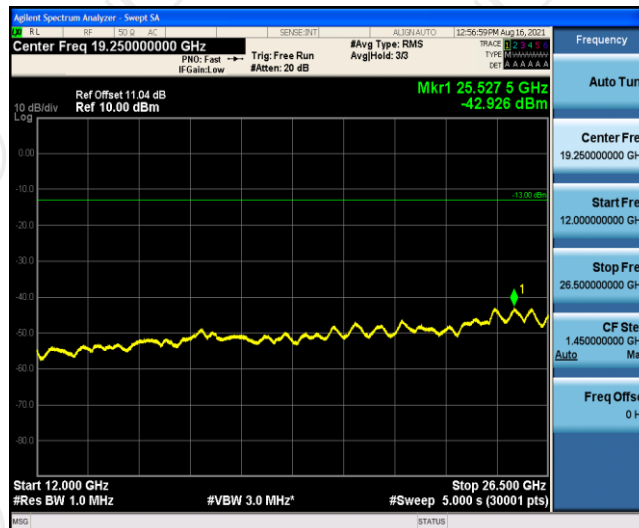
Band13-5MHz-QPSK-23255-1RB#0-Range4:1000~5000MHz



Band13-5MHz-QPSK-23255-1RB#0-Range5:5000~12000MHz



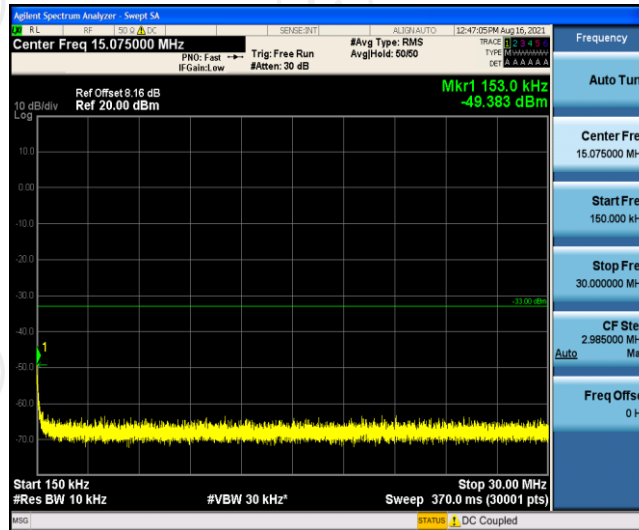
Band13-5MHz-QPSK-23255-1RB#0-Range6:12000~26500MHz



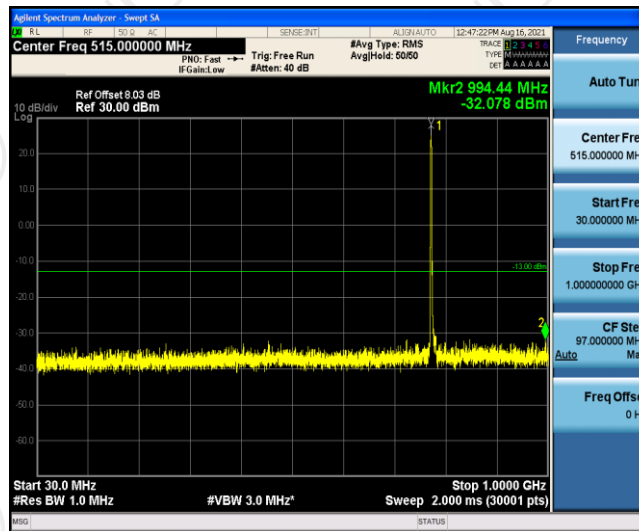
Band13-5MHz-16QAM-23205-1RB#0-Range1:0.009~0.15MHz



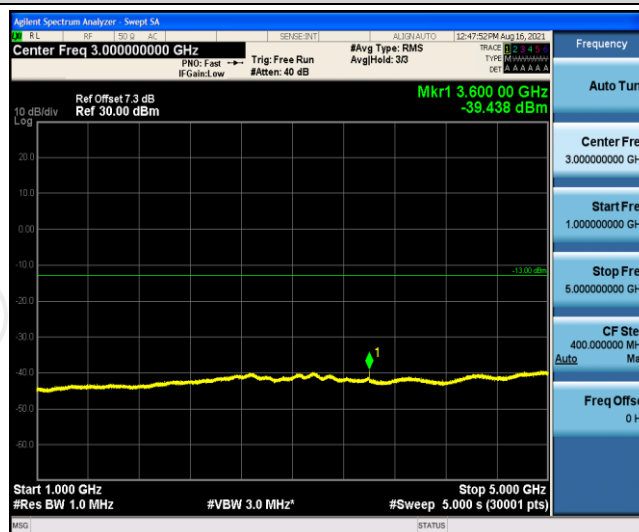
Band13-5MHz-16QAM-23205-1RB#0-Range2:0.15~30MHz



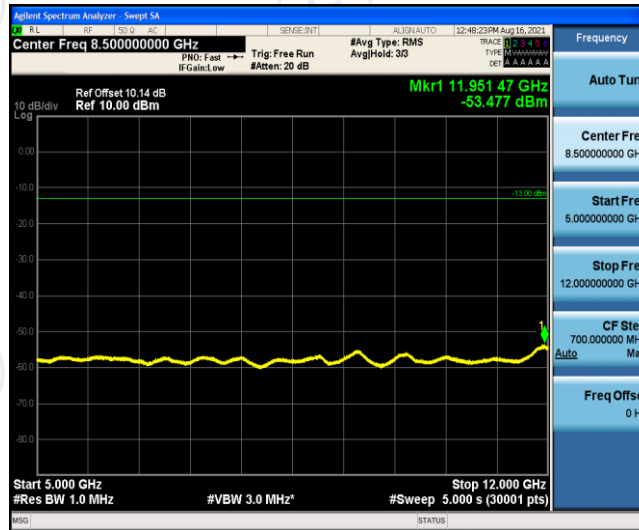
Band13-5MHz-16QAM-23205-1RB#0-Range3:30~1000MHz



Band13-5MHz-16QAM-23205-1RB#0-Range4:1000~5000MHz



Band13-5MHz-16QAM-23205-1RB#0-Range5:5000~12000MHz



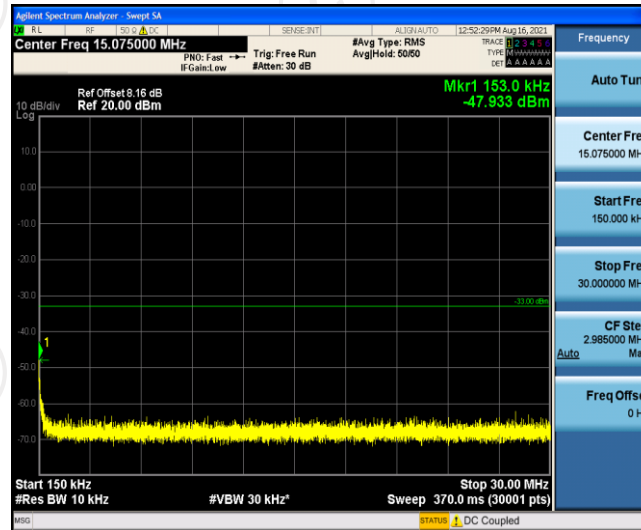
Band13-5MHz-16QAM-23205-1RB#0-Range6:12000~26500MHz



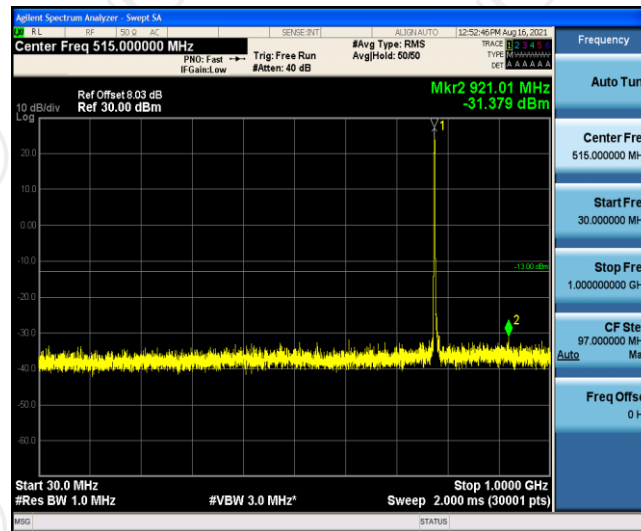
Band13-5MHz-16QAM-23230-1RB#0-Range1:0.009~0.15MHz



Band13-5MHz-16QAM-23230-1RB#0-Range2:0.15~30MHz



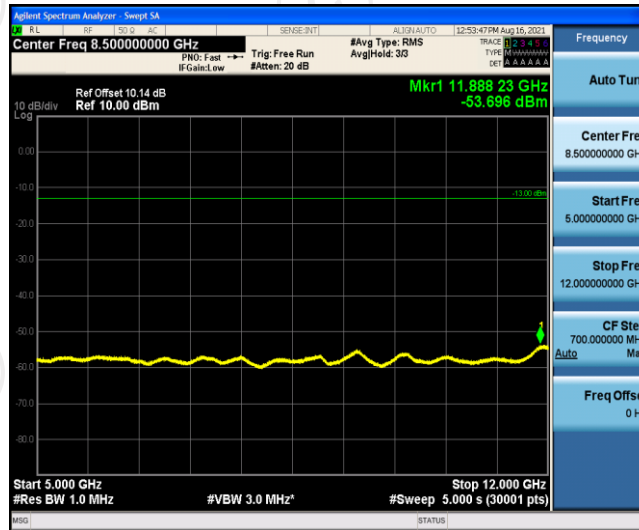
Band13-5MHz-16QAM-23230-1RB#0-Range3:30~1000MHz



Band13-5MHz-16QAM-23230-1RB#0-Range4:1000~5000MHz



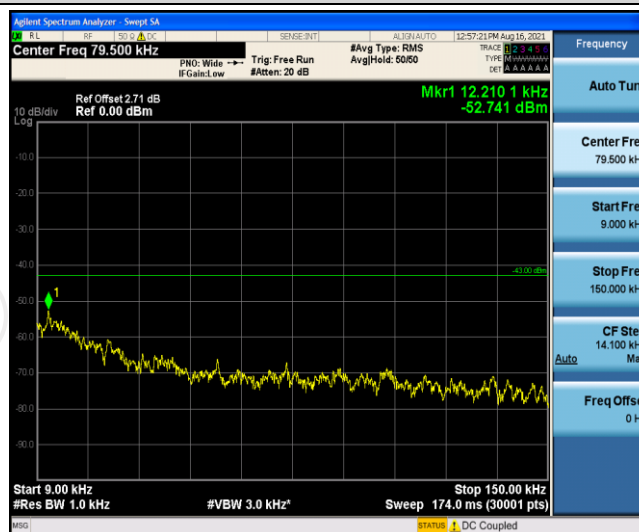
Band13-5MHz-16QAM-23230-1RB#0-Range5:5000~12000MHz



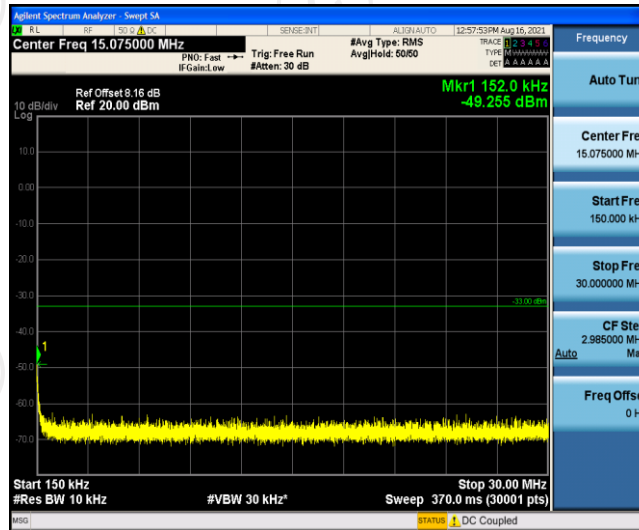
Band13-5MHz-16QAM-23230-1RB#0-Range6:12000~26500MHz



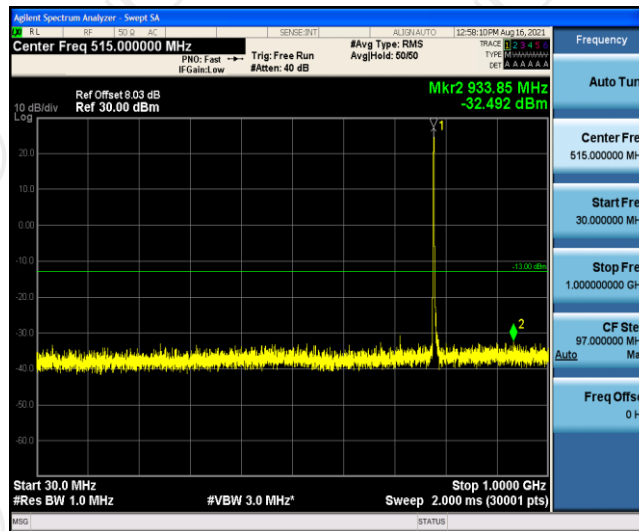
Band13-5MHz-16QAM-23255-1RB#0-Range1:0.009~0.15MHz



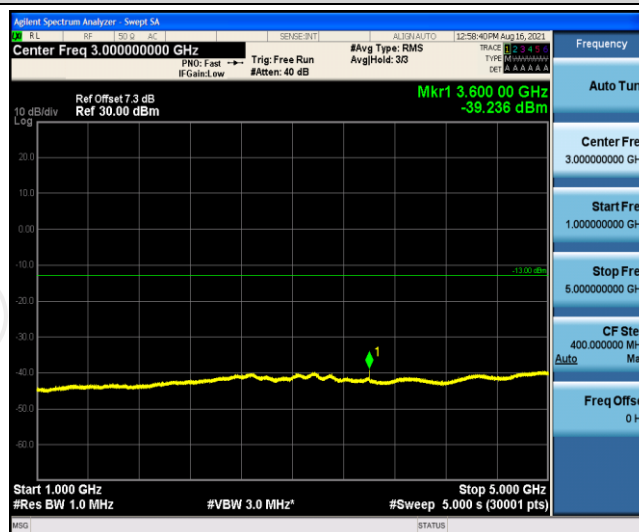
Band13-5MHz-16QAM-23255-1RB#0-Range2:0.15~30MHz



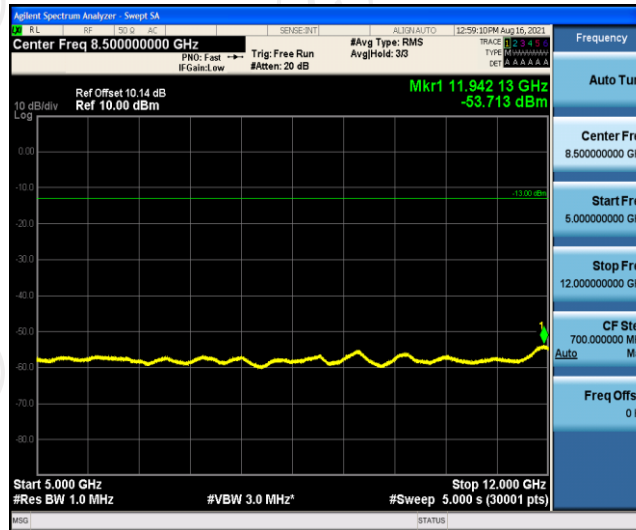
Band13-5MHz-16QAM-23255-1RB#0-Range3:30~1000MHz



Band13-5MHz-16QAM-23255-1RB#0-Range4:1000~5000MHz



Band13-5MHz-16QAM-23255-1RB#0-Range5:5000~12000MHz



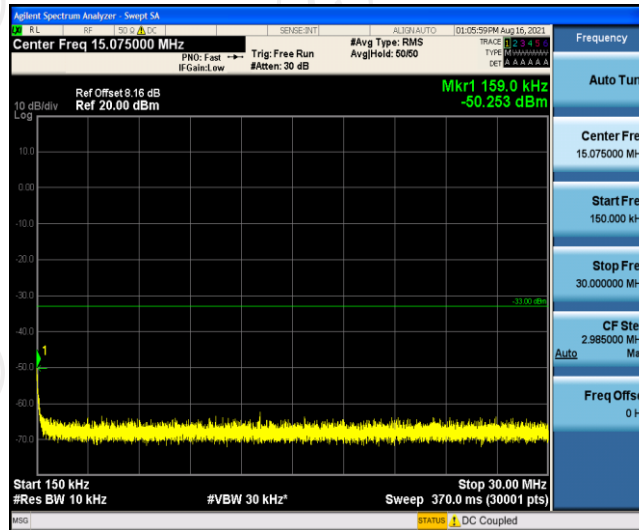
Band13-5MHz-16QAM-23255-1RB#0-Range6:12000~26500MHz



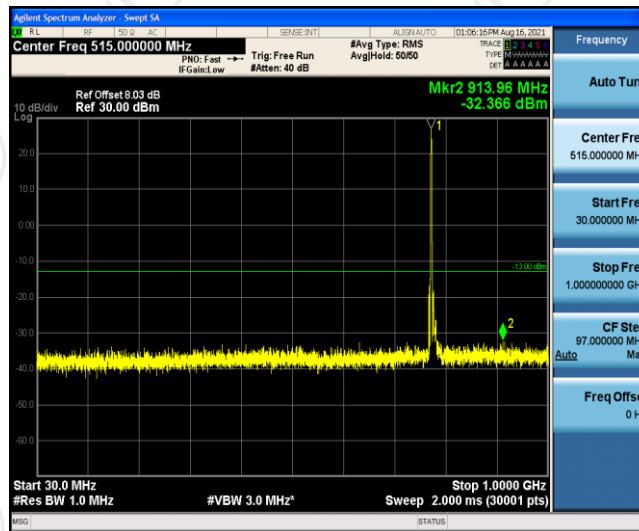
Band13-10MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



Band13-10MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz



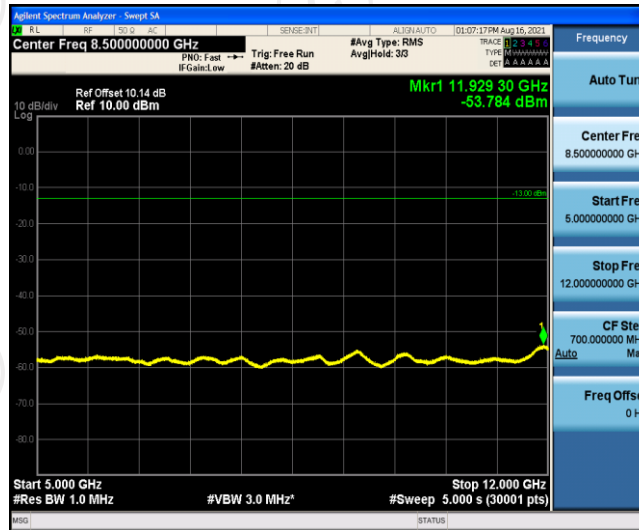
Band13-10MHz-QPSK-23230-1RB#0-Range3:30~1000MHz



Band13-10MHz-QPSK-23230-1RB#0-Range4:1.000~5000MHz



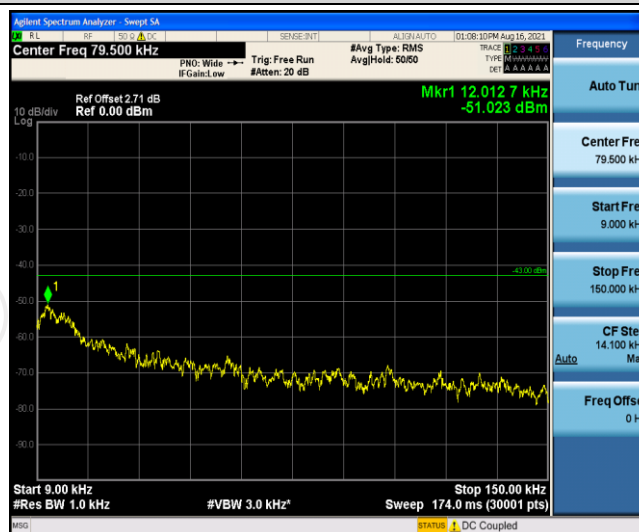
Band13-10MHz-QPSK-23230-1RB#0-Range5:5000~12000MHz



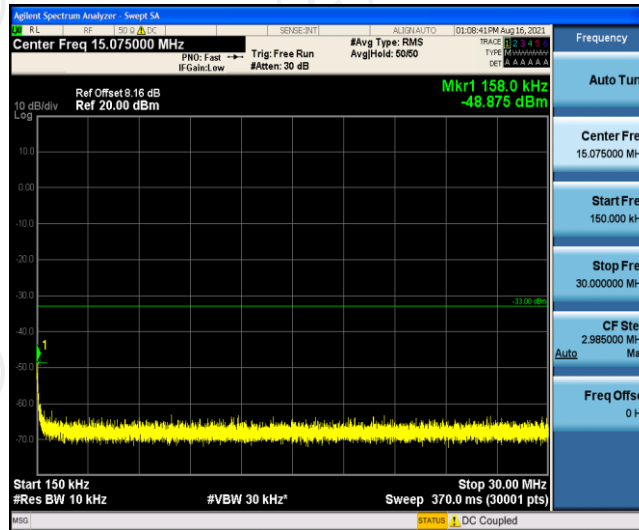
Band13-10MHz-QPSK-23230-1RB#0-Range6:12000~26500MHz



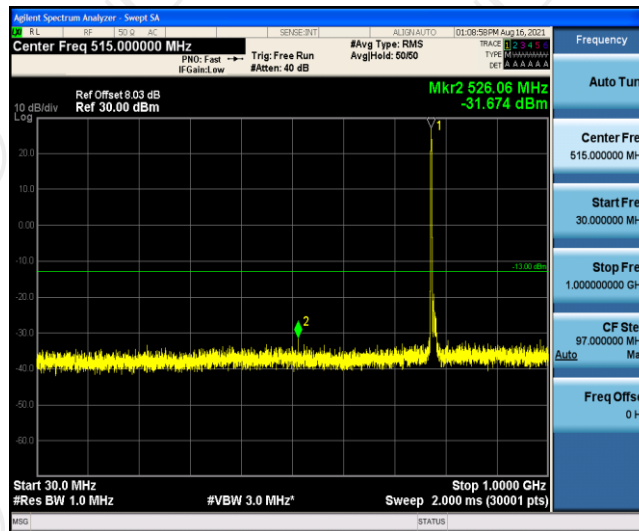
Band13-10MHz-16QAM-23230-1RB#0-Range1:0.009~0.15MHz



Band13-10MHz-16QAM-23230-1RB#0-Range2:0.15~30MHz



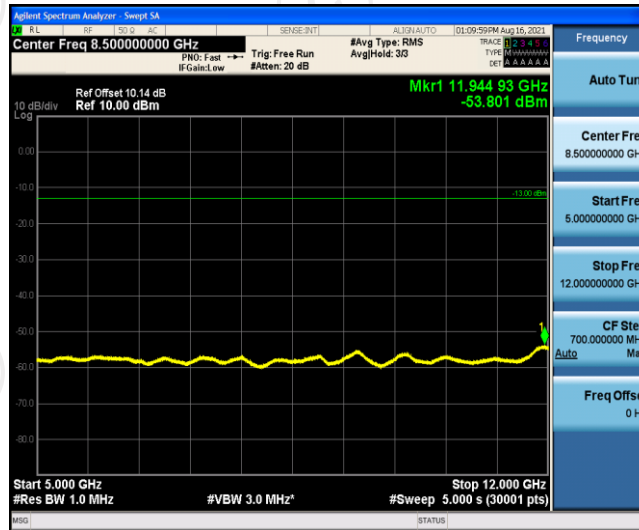
Band13-10MHz-16QAM-23230-1RB#0-Range3:30~1000MHz



Band13-10MHz-16QAM-23230-1RB#0-Range4:1000~5000MHz



Band13-10MHz-16QAM-23230-1RB#0-Range5:5000~12000MHz



Band13-10MHz-16QAM-23230-1RB#0-Range6:12000~26500MHz



## AppendixF:Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band13  | 5MHz      | QPSK       | 23205   | 25RB#0       | VL            | NT               | -10.46         | -0.013419       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23205   | 25RB#0       | VN            | NT               | -9.26          | -0.011879       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23205   | 25RB#0       | VH            | NT               | -7.20          | -0.009237       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23230   | 25RB#0       | VL            | NT               | -6.92          | -0.008849       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23230   | 25RB#0       | VN            | NT               | -10.51         | -0.013440       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23230   | 25RB#0       | VH            | NT               | -10.33         | -0.013210       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23255   | 25RB#0       | VL            | NT               | -12.85         | -0.016380       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23255   | 25RB#0       | VN            | NT               | -15.91         | -0.020280       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23255   | 25RB#0       | VH            | NT               | -13.18         | -0.016801       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23205   | 25RB#0       | VL            | NT               | -6.54          | -0.008390       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23205   | 25RB#0       | VN            | NT               | -9.26          | -0.011879       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23205   | 25RB#0       | VH            | NT               | 3.76           | 0.004824        | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23230   | 25RB#0       | VL            | NT               | -4.95          | -0.006330       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23230   | 25RB#0       | VN            | NT               | -4.28          | -0.005473       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23230   | 25RB#0       | VH            | NT               | -7.95          | -0.010166       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23255   | 25RB#0       | VL            | NT               | -2.39          | -0.003047       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23255   | 25RB#0       | VN            | NT               | -11.30         | -0.014404       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23255   | 25RB#0       | VH            | NT               | -9.14          | -0.011651       | ±2.5        | PASS    |
| Band13  | 10MHz     | QPSK       | 23230   | 50RB#0       | VL            | NT               | -6.57          | -0.008402       | ±2.5        | PASS    |
| Band13  | 10MHz     | QPSK       | 23230   | 50RB#0       | VN            | NT               | -4.29          | -0.005486       | ±2.5        | PASS    |
| Band13  | 10MHz     | QPSK       | 23230   | 50RB#0       | VH            | NT               | -7.97          | -0.010192       | ±2.5        | PASS    |
| Band13  | 10MHz     | 16QAM      | 23230   | 50RB#0       | VL            | NT               | -4.71          | -0.006023       | ±2.5        | PASS    |
| Band13  | 10MHz     | 16QAM      | 23230   | 50RB#0       | VN            | NT               | -10.00         | -0.012788       | ±2.5        | PASS    |
| Band13  | 10MHz     | 16QAM      | 23230   | 50RB#0       | VH            | NT               | -5.59          | -0.007148       | ±2.5        | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | -30              | 1.69           | 0.002168        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | -20              | 2.90           | 0.003720        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 0                | 5.75           | 0.007377        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 10               | 4.92           | 0.006312        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 20               | 6.49           | 0.008326        | ±2.5        | PASS    |

|        |       |       |       |        |    |     |        |           |      |      |
|--------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band13 | 5MHz  | QPSK  | 23230 | 25RB#0 | NV | -30 | -6.22  | -0.007954 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23230 | 25RB#0 | NV | -20 | -1.00  | -0.001279 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23230 | 25RB#0 | NV | 0   | -8.08  | -0.010332 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23230 | 25RB#0 | NV | 10  | -6.47  | -0.008274 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23230 | 25RB#0 | NV | 20  | -11.07 | -0.014156 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23255 | 25RB#0 | NV | -30 | -12.77 | -0.016278 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23255 | 25RB#0 | NV | -20 | -15.59 | -0.019873 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23255 | 25RB#0 | NV | 0   | -11.13 | -0.014187 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23255 | 25RB#0 | NV | 10  | -7.80  | -0.009943 | ±2.5 | PASS |
| Band13 | 5MHz  | QPSK  | 23255 | 25RB#0 | NV | 20  | -4.28  | -0.005456 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | -30 | -10.44 | -0.013393 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | -20 | -12.16 | -0.015600 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | 0   | -8.73  | -0.011199 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | 10  | -6.07  | -0.007787 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | 20  | -6.77  | -0.008685 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | -30 | -8.74  | -0.011176 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | -20 | -11.90 | -0.015217 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | 0   | -6.92  | -0.008849 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | 10  | -9.88  | -0.012634 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | 20  | -7.93  | -0.010141 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | -30 | -6.85  | -0.008732 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | -20 | -5.61  | -0.007151 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | 0   | -4.53  | -0.005774 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | 10  | -11.13 | -0.014187 | ±2.5 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | 20  | -7.77  | -0.009904 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | -30 | -7.81  | -0.009987 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | -20 | -6.17  | -0.007890 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | 0   | -1.44  | -0.001841 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | 10  | -11.60 | -0.014834 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | 20  | -9.50  | -0.012148 | ±2.5 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | -30 | -7.47  | -0.009552 | ±2.5 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | -20 | -10.01 | -0.012801 | ±2.5 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | 0   | -6.17  | -0.007890 | ±2.5 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | 10  | -7.28  | -0.009309 | ±2.5 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | 20  | -9.74  | -0.012455 | ±2.5 | PASS |