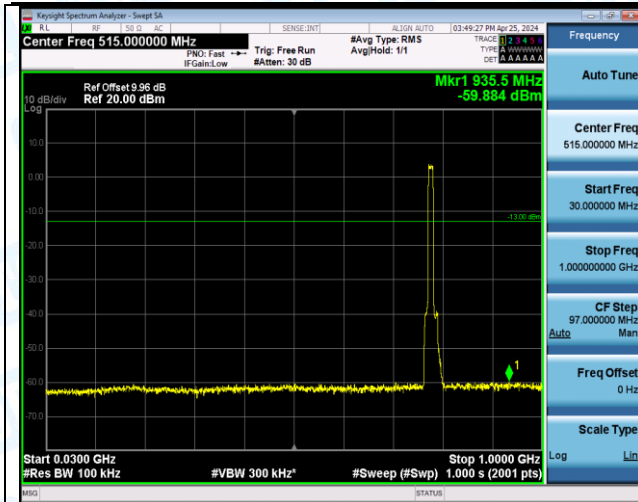
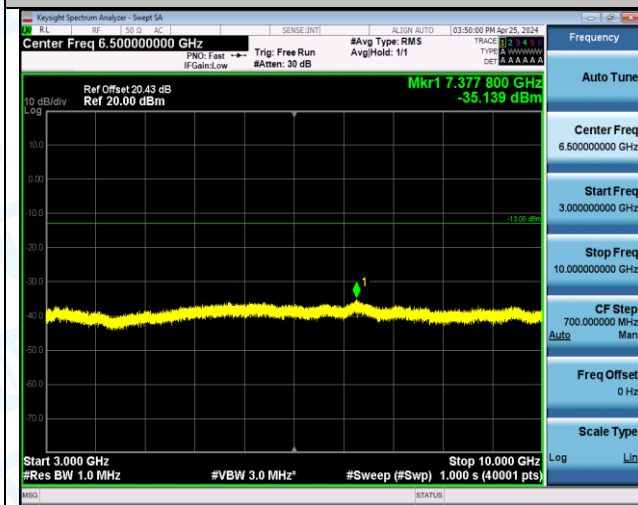




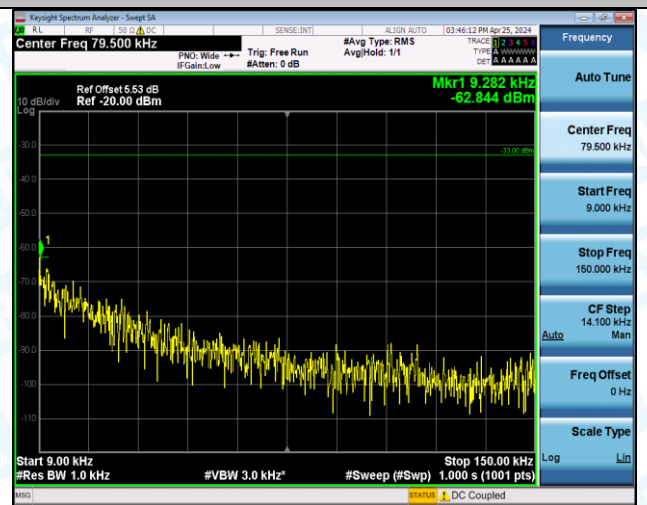
Band13\_10MHz\_QPSK\_23230\_50RB#0\_3000~10000\_3000~10000



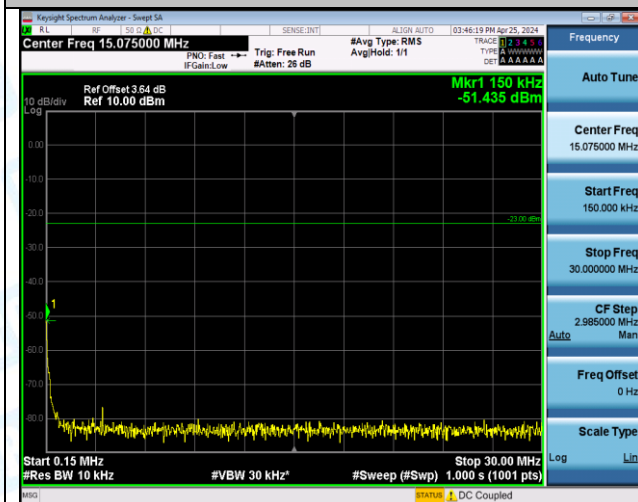
Band13\_10MHz\_16QAM\_23230\_1RB#0\_0.009~0.15\_0.009~0.15



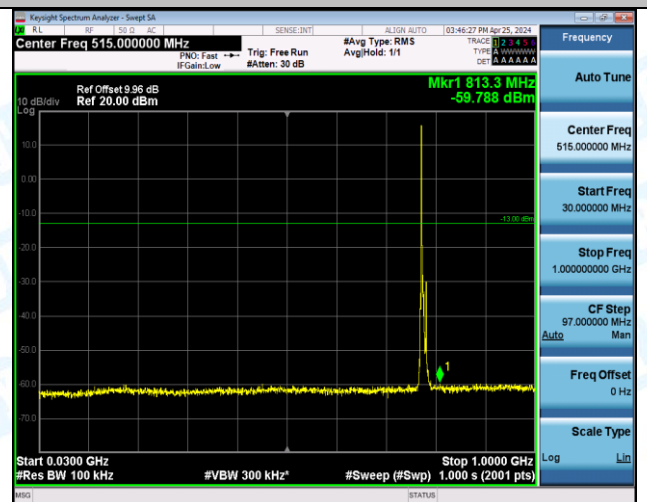
Band13\_10MHz\_16QAM\_23230\_1RB#0\_0.15~30\_0.15~30



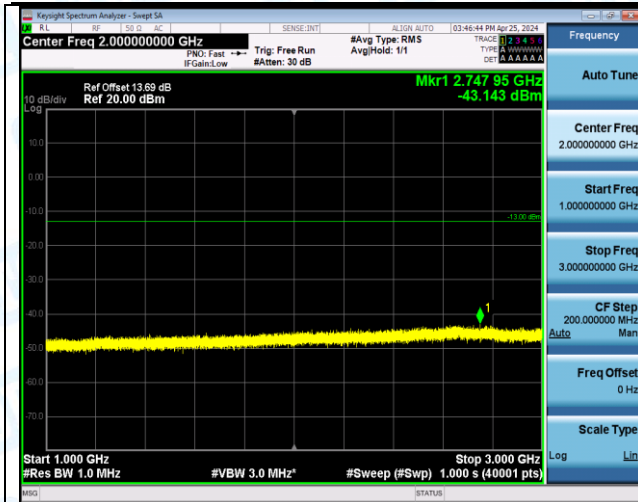
Band13\_10MHz\_16QAM\_23230\_1RB#0\_30~1000\_30~1000



Band13\_10MHz\_16QAM\_23230\_1RB#0\_1000~3000\_1000~3000



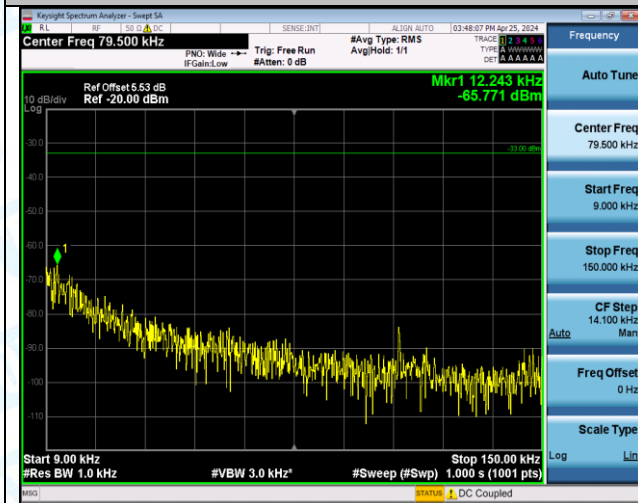
Band13\_10MHz\_16QAM\_23230\_1RB#0\_3000~10000\_3000~10000



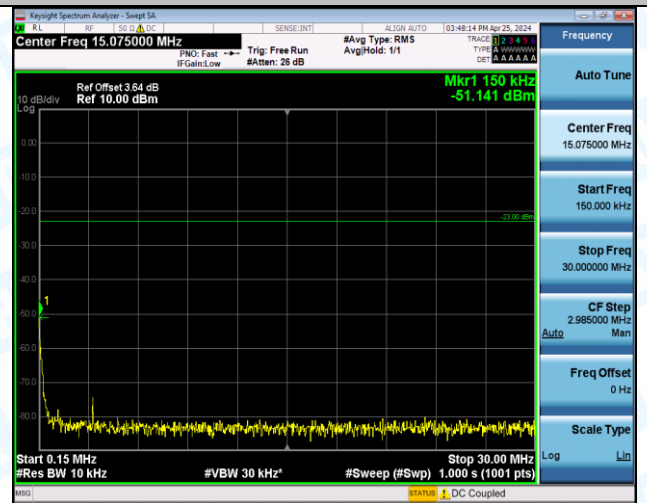
Band13\_10MHz\_16QAM\_23230\_1RB#49\_0.009-0.15\_0.009-0.15



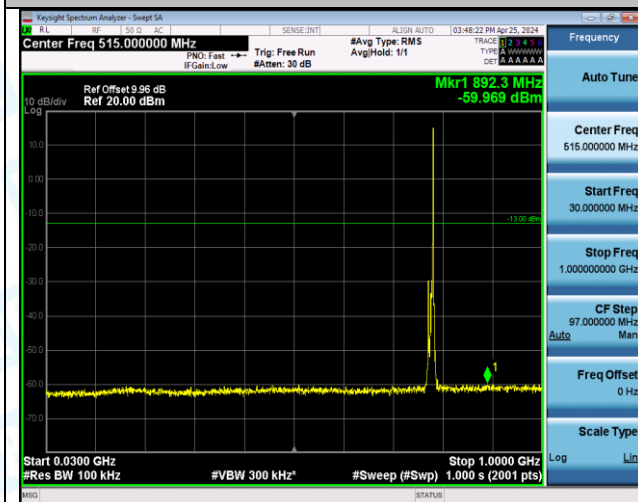
Band13\_10MHz\_16QAM\_23230\_1RB#49\_0.15-30\_0.15-30



Band13\_10MHz\_16QAM\_23230\_1RB#49\_30-1000\_30-1000

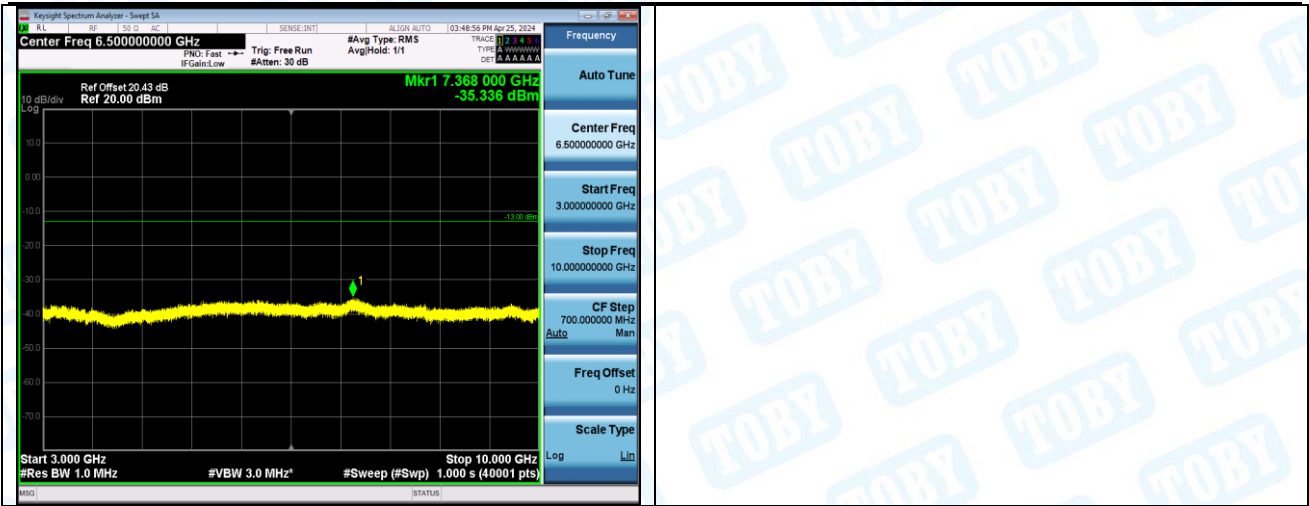


Band13\_10MHz\_16QAM\_23230\_1RB#49\_1000-3000\_1000-3000



Band13\_10MHz\_16QAM\_23230\_1RB#49\_3000-10000\_3000-10000





## 6: 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       | VN            | NT               | -7.81          | -0.010019       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23205   | 25RB#0       | VL            | NT               | -9.37          | -0.012021       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23205   | 25RB#0       | VH            | NT               | -9.46          | -0.012136       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23230   | 25RB#0       | VN            | NT               | -6.45          | -0.008248       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23230   | 25RB#0       | VL            | NT               | -8.01          | -0.010243       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23230   | 25RB#0       | VH            | NT               | -7.57          | -0.009680       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23255   | 25RB#0       | VN            | NT               | -7.81          | -0.009955       | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23255   | 25RB#0       | VL            | NT               | 2.86           | 0.003646        | ±2.5        | PASS    |
| Band13  | 5MHz      | QPSK       | 23255   | 25RB#0       | VH            | NT               | 7.72           | 0.009841        | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23205   | 25RB#0       | VN            | NT               | -8.11          | -0.010404       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23205   | 25RB#0       | VL            | NT               | -8.61          | -0.011046       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23205   | 25RB#0       | VH            | NT               | -8.04          | -0.010314       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23230   | 25RB#0       | VN            | NT               | -5.92          | -0.007570       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23230   | 25RB#0       | VL            | NT               | -5.44          | -0.006957       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23230   | 25RB#0       | VH            | NT               | -4.92          | -0.006292       | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23255   | 25RB#0       | VN            | NT               | 6.92           | 0.008821        | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23255   | 25RB#0       | VL            | NT               | 5.87           | 0.007482        | ±2.5        | PASS    |
| Band13  | 5MHz      | 16QAM      | 23255   | 25RB#0       | VH            | NT               | 6.72           | 0.008566        | ±2.5        | PASS    |
| Band13  | 10MHz     | QPSK       | 23230   | 50RB#0       | VN            | NT               | 7.22           | 0.009233        | ±2.5        | PASS    |
| Band13  | 10MHz     | QPSK       | 23230   | 50RB#0       | VL            | NT               | 6.28           | 0.008031        | ±2.5        | PASS    |
| Band13  | 10MHz     | QPSK       | 23230   | 50RB#0       | VH            | NT               | 5.85           | 0.007481        | ±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              | 4.22           | 0.005414        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | -20              | 1.42           | 0.001822        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | -10              | -13.46         | -0.017267       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 0                | -8.91          | -0.011430       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 10               | -9.11          | -0.011687       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 20               | -7.58          | -0.009724       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 30               | -9.04          | -0.011597       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 40               | -7.14          | -0.009160       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 50               | -8.21          | -0.010532       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | -30              | -5.48          | -0.007008       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | -20              | -7.25          | -0.009271       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | -10              | -6.98          | -0.008926       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 0                | -6.90          | -0.008824       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 10               | -4.98          | -0.006368       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 20               | -6.88          | -0.008798       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 30               | -4.79          | -0.006125       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 40               | -5.58          | -0.007136       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 50               | -4.05          | -0.005179       | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | -30              | 6.24           | 0.007954        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | -20              | 4.66           | 0.005940        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | -10              | 6.35           | 0.008094        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 0                | 8.98           | 0.011447        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 10               | 5.15           | 0.006565        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 20               | 4.36           | 0.005558        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 30               | 2.73           | 0.003480        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 40               | 7.12           | 0.009076        | ±2.5        | PASS    |
| Band13      | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 50               | 5.81           | 0.007406        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | -30              | -7.17          | -0.009198       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | -20              | -6.62          | -0.008493       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | -10              | -8.13          | -0.010430       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | 0                | -7.10          | -0.009108       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | 10               | 6.54           | 0.008390        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | 20               | 5.78           | 0.007415        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | 30               | -10.21         | -0.013098       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | 40               | -6.01          | -0.007710       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | 50               | -9.26          | -0.011879       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | -30              | -5.28          | -0.006752       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | -20              | -8.13          | -0.010396       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | -10              | -4.98          | -0.006368       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | 0                | -5.76          | -0.007366       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | 10               | -3.73          | -0.004770       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | 20               | -4.03          | -0.005153       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | 30               | -2.06          | -0.002634       | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | 40               | 3.19           | 0.004079        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23230   | 25RB#0       | NV            | 50               | 4.28           | 0.005473        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | -30              | 6.27           | 0.007992        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | -20              | 5.28           | 0.006730        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | -10              | 6.59           | 0.008400        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | 0                | 4.95           | 0.006310        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | 10               | 5.68           | 0.007240        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | 20               | 5.72           | 0.007291        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | 30               | 4.36           | 0.005558        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | 40               | 5.84           | 0.007444        | ±2.5        | PASS    |
| Band13      | 5MHz      | 16QAM      | 23255   | 25RB#0       | NV            | 50               | 7.40           | 0.009433        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | -30              | 5.92           | 0.007570        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | -20              | 7.72           | 0.009872        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | -10              | 8.40           | 0.010742        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 0                | 7.40           | 0.009463        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 10               | 4.25           | 0.005435        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 20               | 5.76           | 0.007366        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 30               | 5.69           | 0.007276        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 40               | 4.79           | 0.006125        | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 50               | 5.54           | 0.007084        | ±2.5        | PASS    |

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