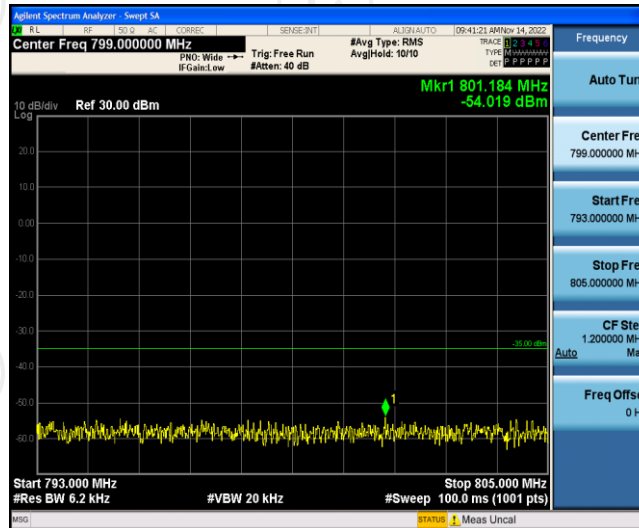
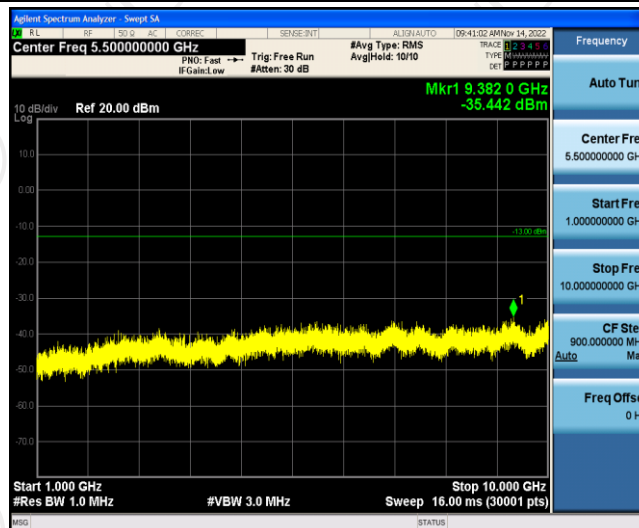
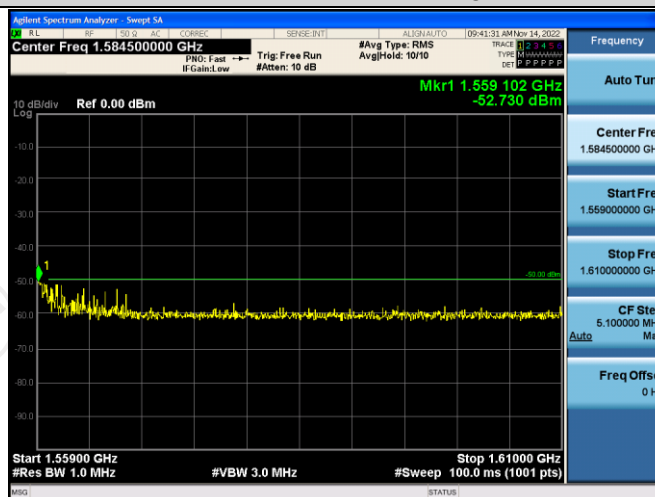




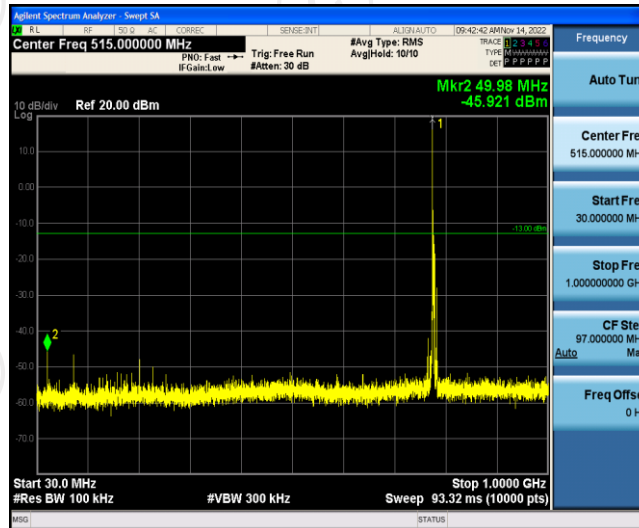
Band13-5MHz-16QAM-23205-1RB#0-Range2:1000~10000MHz



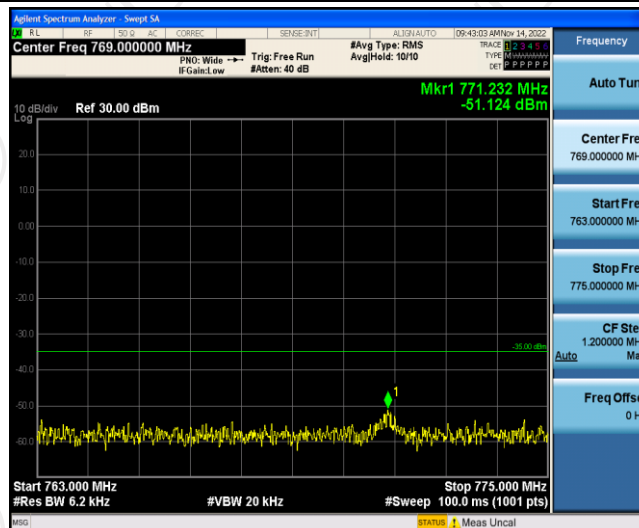
Band13-5MHz-16QAM-23205-1RB#0-Range5:1559~1610MHz



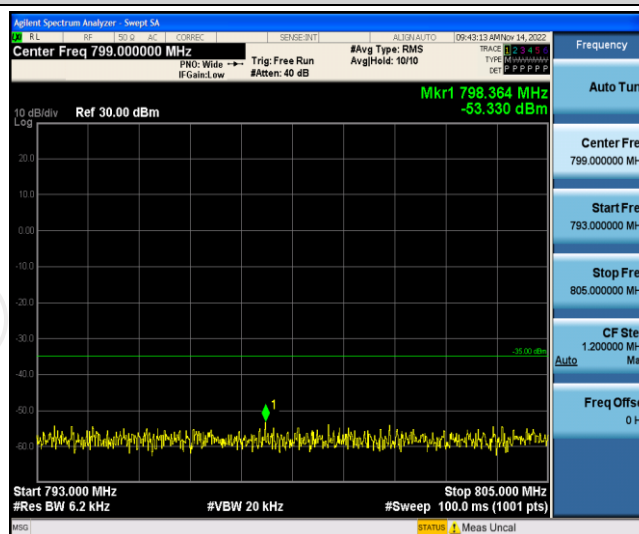
Band13-5MHz-16QAM-23230-1RB#0-Range1:30~1000MHz



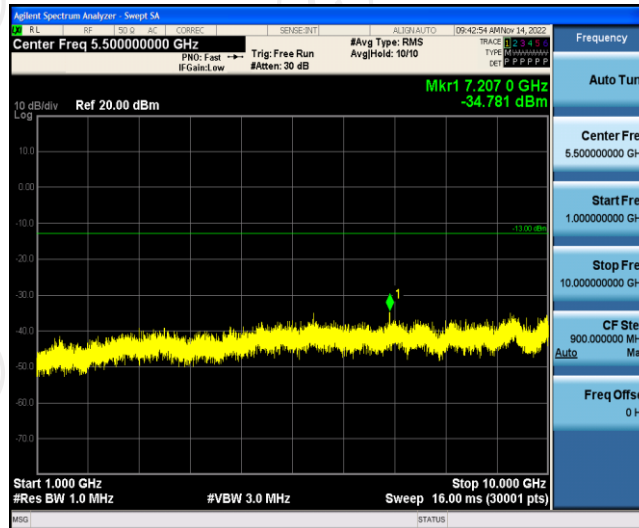
Band13-5MHz-16QAM-23230-1RB#0-Range3:763~775MHz



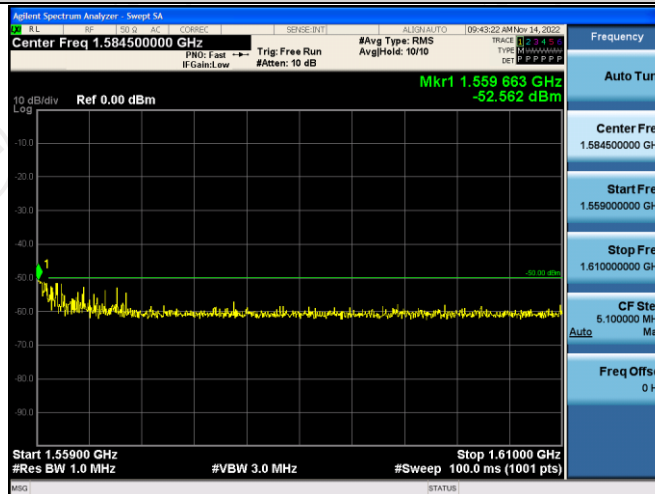
Band13-5MHz-16QAM-23230-1RB#0-Range4:793~805MHz



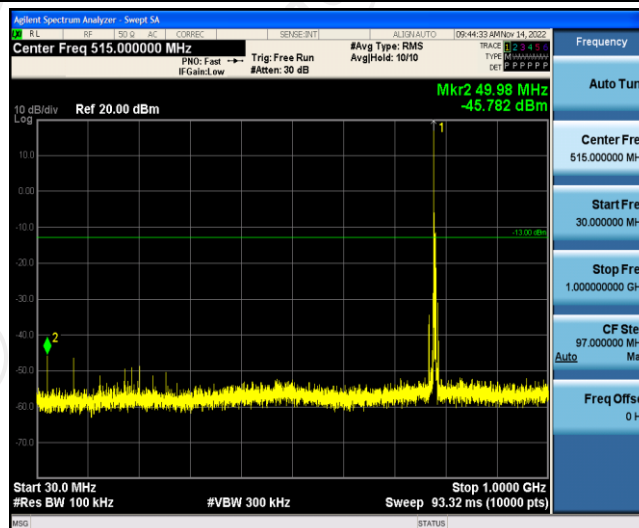
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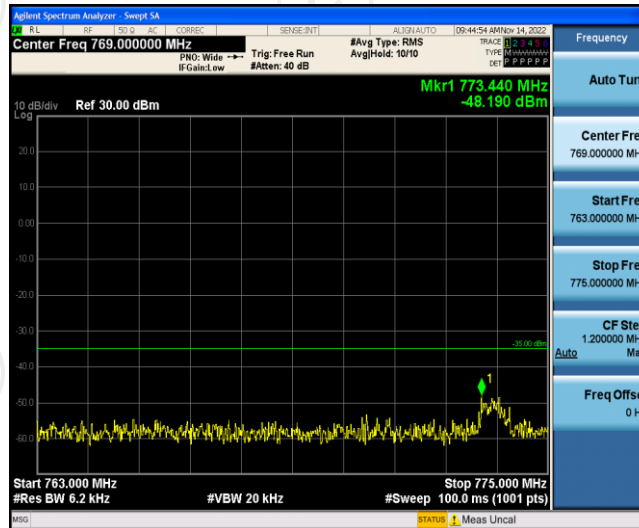
Band13-5MHz-16QAM-23230-1RB#0-Range5:1559~1610MHz



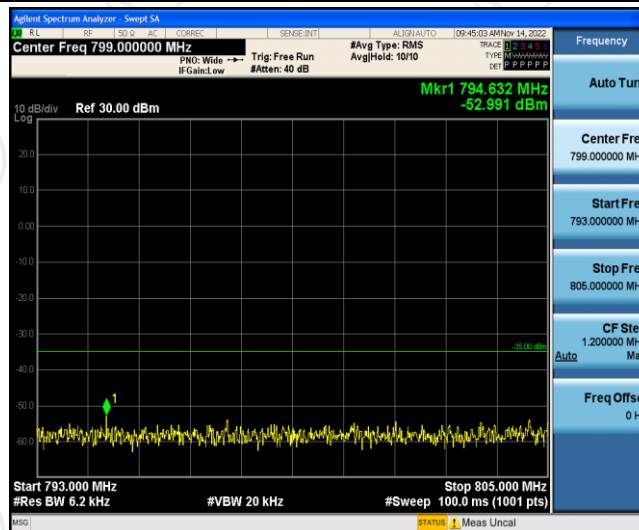
Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000MHz



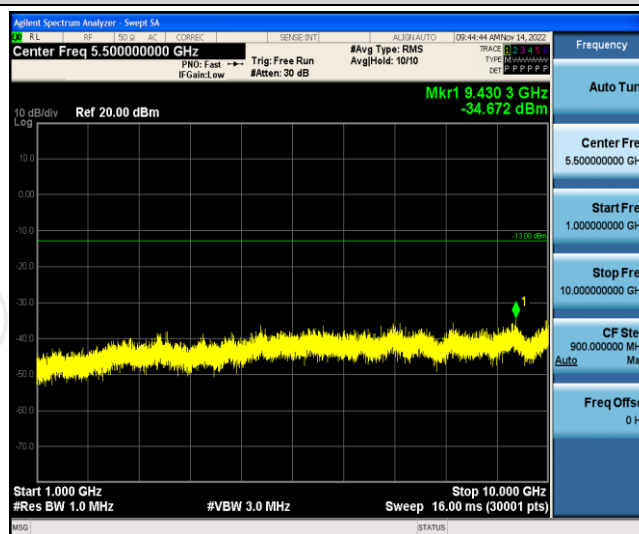
Band13-5MHz-16QAM-23255-1RB#0-Range3:763~775MHz



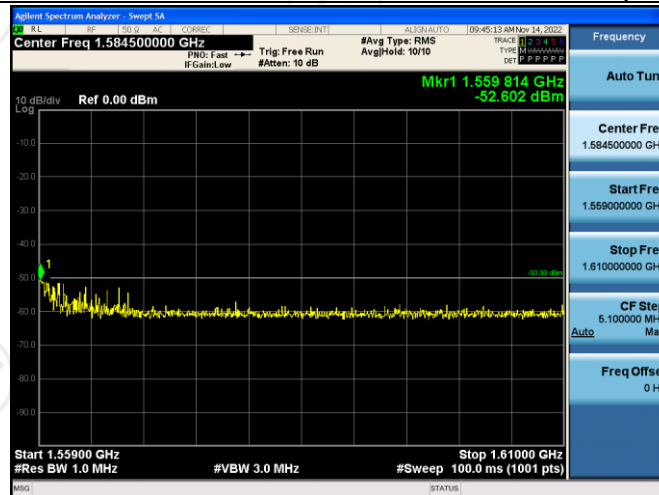
Band13-5MHz-16QAM-23255-1RB#0-Range4:793~805MHz



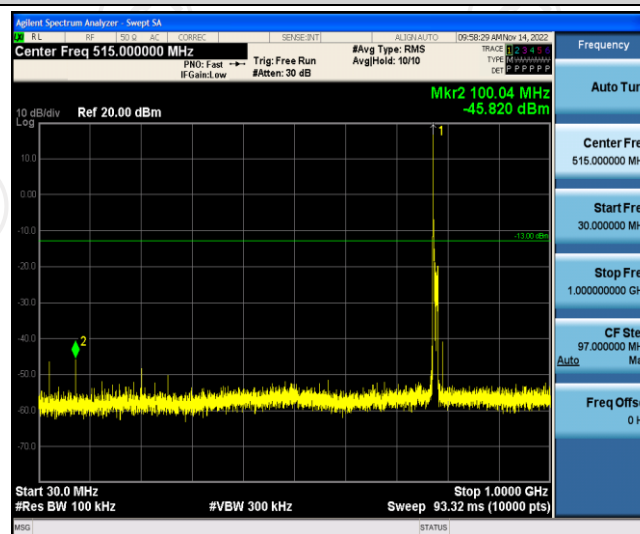
Band13-5MHz-16QAM-23255-1RB#0-Range2:1000~10000MHz



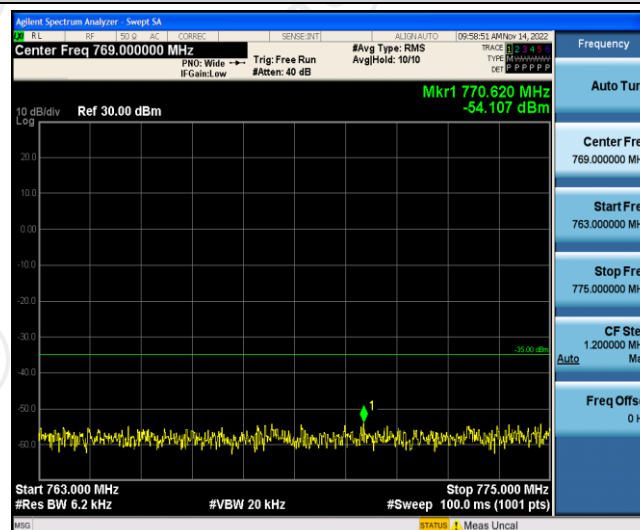
Band13-5MHz-16QAM-23255-1RB#0-Range5:1559~1610MHz



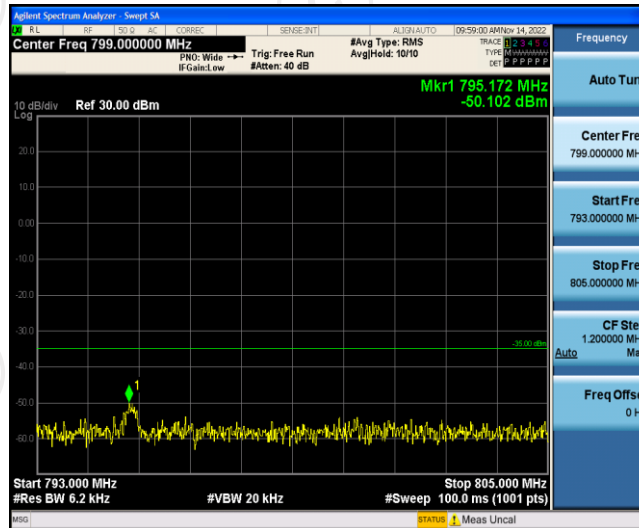
Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



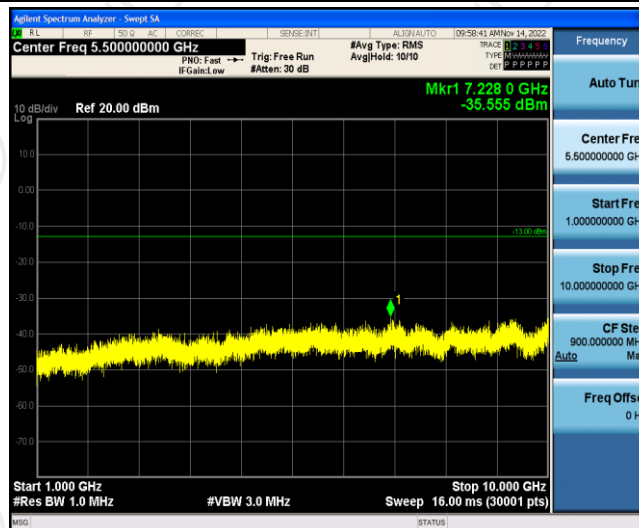
Band13-10MHz-QPSK-23230-1RB#0-Range3:763~775MHz



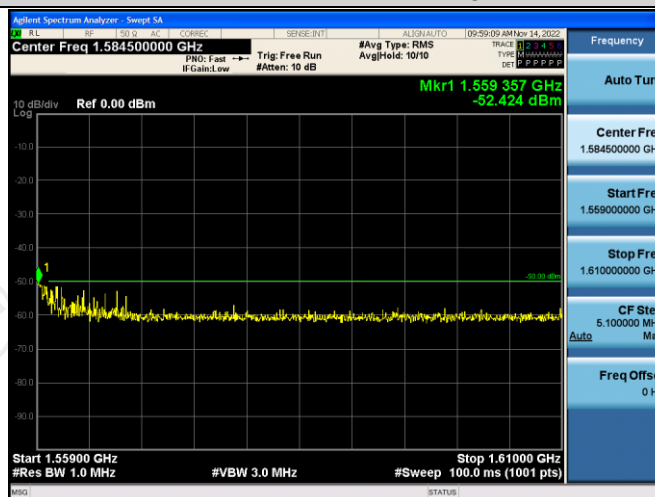
Band13-10MHz-QPSK-23230-1RB#0-Range4:793~805MHz



Band13-10MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz

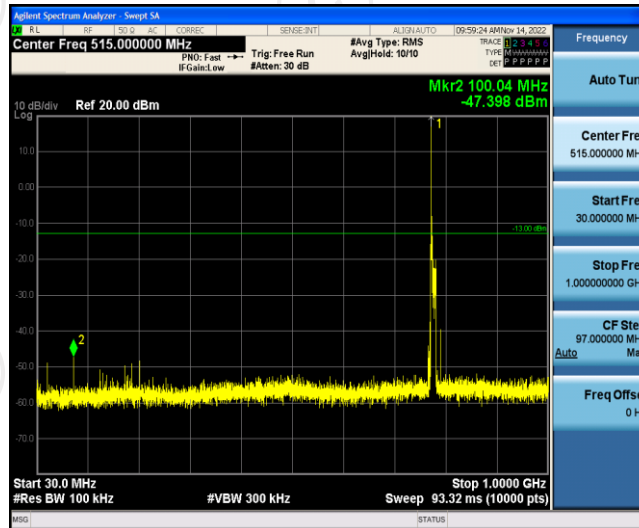


Band13-10MHz-QPSK-23230-1RB#0-Range5:1559~1610MHz

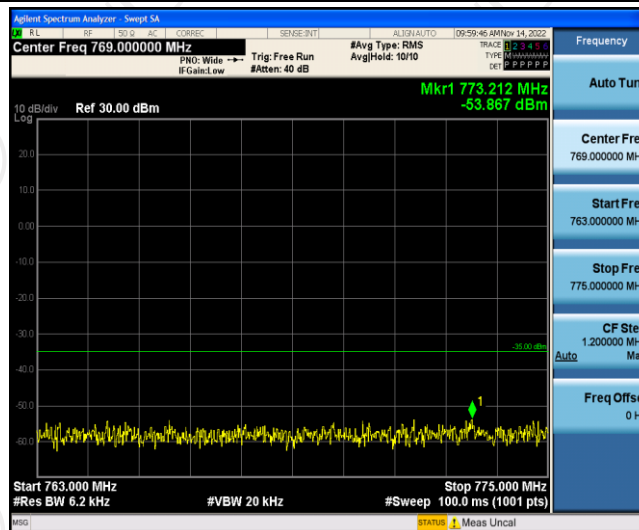


Band13-10MHz-16QAM-23230-1RB#0-Range1:30~1000MHz

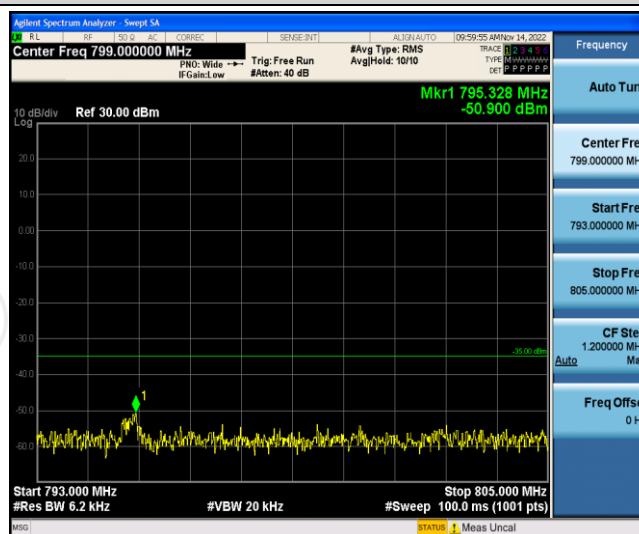




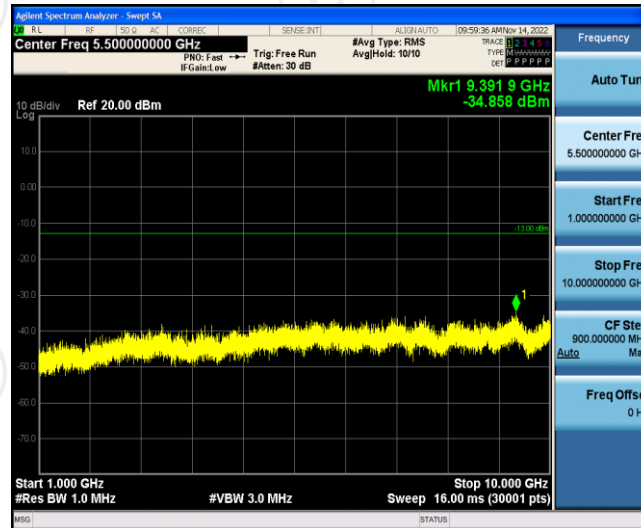
Band13-10MHz-16QAM-23230-1RB#0-Range3:763~775MHz



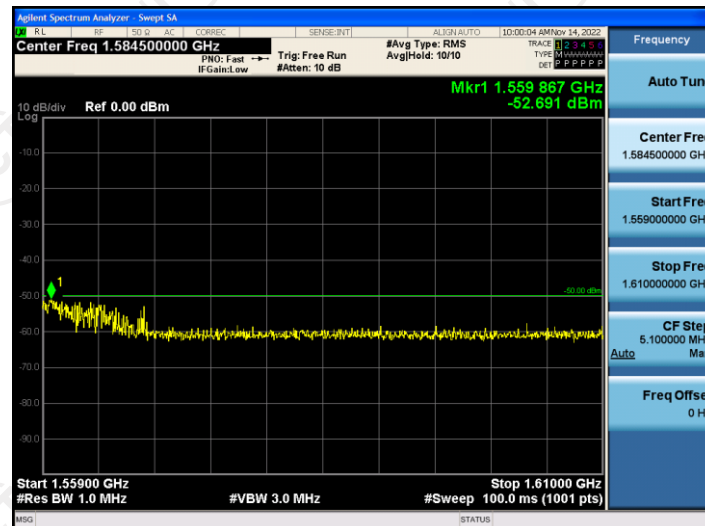
Band13-10MHz-16QAM-23230-1RB#0-Range4:793~805MHz



Band13-10MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



Band13-10MHz-16QAM-23230-1RB#0-Range5:1559~1610MHz





## Appendix F: Frequency Stability

### Test Result

| Band    | Bandwidth | Modulation | Channel | RB Configuration | Voltage       |                  | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
|         |           |            |         |                  | Voltage [Vdc] | Temperature (°C) |                |                 |             |         |
| Band1_3 | 5MHz      | QPSK       | 23205   | 25RB#0           | VL            | NT               | 34.84          | 0.044695        | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23205   | 25RB#0           | VN            | NT               | -16.31         | -0.020924       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23205   | 25RB#0           | VH            | NT               | 42.40          | 0.054394        | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23230   | 25RB#0           | VL            | NT               | 37.54          | 0.048005        | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23230   | 25RB#0           | VN            | NT               | 6.03           | 0.007711        | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23230   | 25RB#0           | VH            | NT               | 44.94          | 0.057468        | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23255   | 25RB#0           | VL            | NT               | -4.59          | -0.005851       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23255   | 25RB#0           | VN            | NT               | -16.03         | -0.020433       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23255   | 25RB#0           | VH            | NT               | -44.48         | -0.056699       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23205   | 25RB#0           | VL            | NT               | -30.56         | -0.039205       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23205   | 25RB#0           | VN            | NT               | -25.31         | -0.032470       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23205   | 25RB#0           | VH            | NT               | -33.32         | -0.042745       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23230   | 25RB#0           | VL            | NT               | -20.43         | -0.026125       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23230   | 25RB#0           | VN            | NT               | -2.26          | -0.002890       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23230   | 25RB#0           | VH            | NT               | -41.83         | -0.053491       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23255   | 25RB#0           | VL            | NT               | -44.15         | -0.056278       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23255   | 25RB#0           | VN            | NT               | -3.40          | -0.004334       | ±2.5        | PASS    |

|            |      |       |       |        |    |    |        |           |      |      |
|------------|------|-------|-------|--------|----|----|--------|-----------|------|------|
| Band1<br>3 | 5MHz | 16QAM | 23255 | 25RB#0 | VH | NT | -26.71 | -0.034047 | ±2.5 | PASS |
|------------|------|-------|-------|--------|----|----|--------|-----------|------|------|

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | -30              | 33.37          | 0.042809        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | -20              | 22.03          | 0.028262        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 0                | 10.62          | 0.013624        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 10               | -3.49          | -0.004477       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0       | NV            | 20               | -11.70         | -0.015010       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | -30              | 13.22          | 0.016905        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | -20              | 27.08          | 0.034629        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 0                | 13.37          | 0.017097        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 10               | 49.21          | 0.062928        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0       | NV            | 20               | 23.75          | 0.030371        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | -30              | -32.15         | -0.040982       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | -20              | -15.93         | -0.020306       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 0                | -42.74         | -0.054481       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 10               | -13.48         | -0.017183       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23255   | 25RB#0       | NV            | 20               | -36.07         | -0.045978       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | -30              | -17.53         | -0.022489       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | -20              | -50.65         | -0.064978       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | 16QAM      | 23205   | 25RB#0       | NV            | 0                | -25.51         | -0.032726       | ±2.5        | PASS    |

|            |      |       |       |        |    |     |        |           |      |      |
|------------|------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band1<br>3 | 5MHz | 16QAM | 23205 | 25RB#0 | NV | 10  | -51.85 | -0.066517 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23205 | 25RB#0 | NV | 20  | -14.02 | -0.017986 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23230 | 25RB#0 | NV | -30 | -54.04 | -0.069105 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23230 | 25RB#0 | NV | -20 | -9.78  | -0.012506 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23230 | 25RB#0 | NV | 0   | -12.54 | -0.016036 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23230 | 25RB#0 | NV | 10  | -19.25 | -0.024616 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23230 | 25RB#0 | NV | 20  | -18.85 | -0.024105 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23255 | 25RB#0 | NV | -30 | -3.60  | -0.004589 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23255 | 25RB#0 | NV | -20 | -26.63 | -0.033945 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23255 | 25RB#0 | NV | 0   | -50.14 | -0.063913 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23255 | 25RB#0 | NV | 10  | -18.54 | -0.023633 | ±2.5 | PASS |
| Band1<br>3 | 5MHz | 16QAM | 23255 | 25RB#0 | NV | 20  | -38.73 | -0.049369 | ±2.5 | PASS |