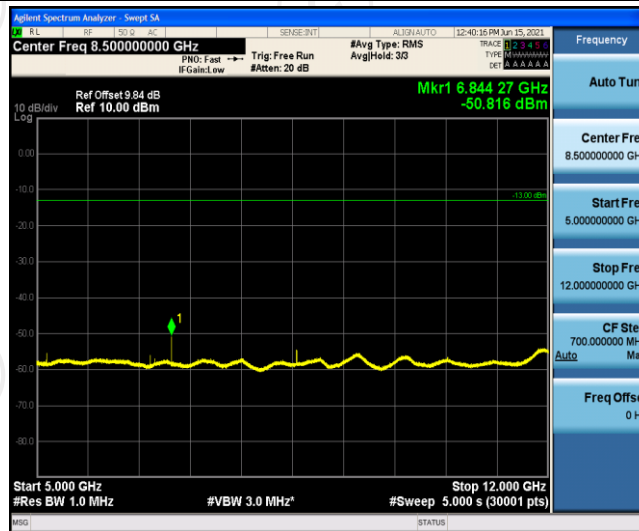
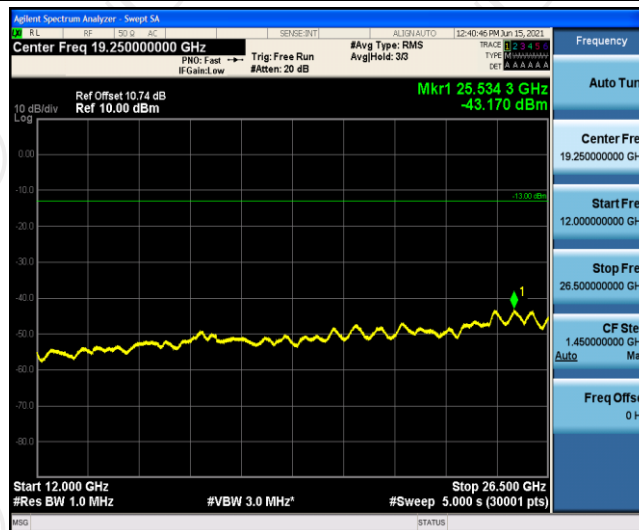
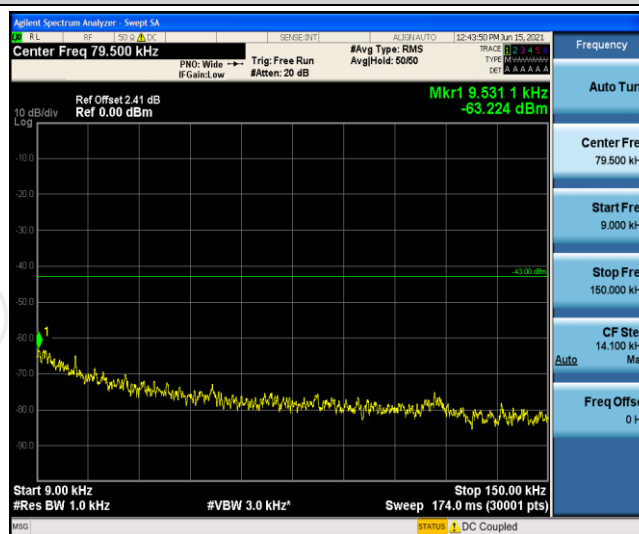




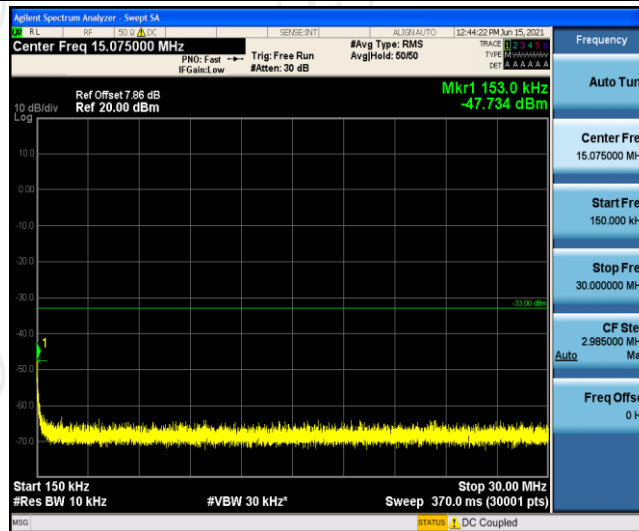
Band4-20MHz-16QAM-20050-1RB#0-Range6:12000~26500MHz



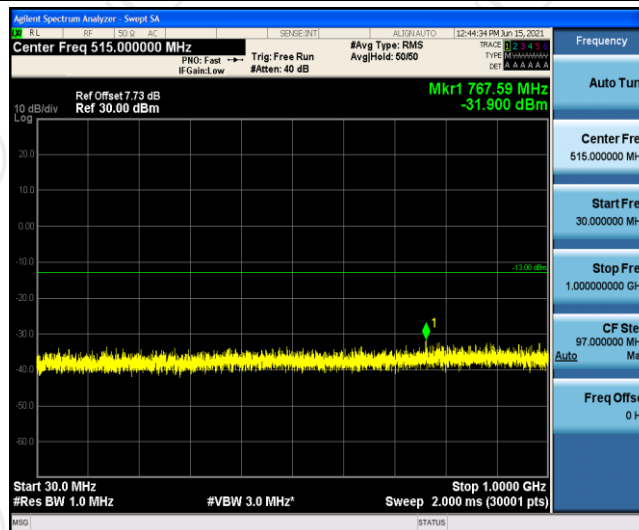
Band4-20MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



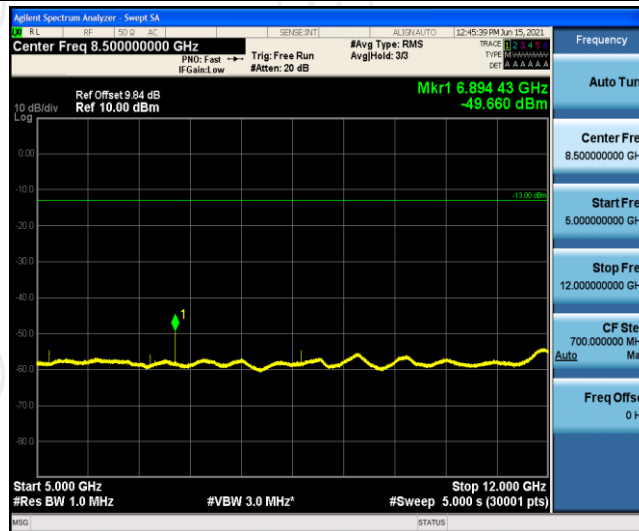
Band4-20MHz-16QAM-20175-1RB#0-Range3:30~1000MHz



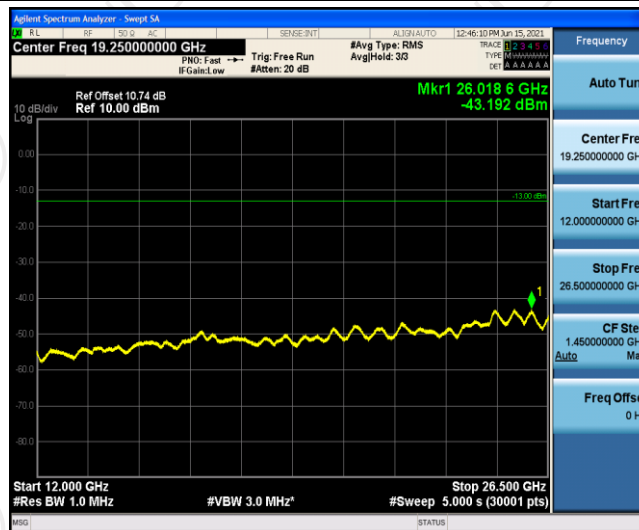
Band4-20MHz-16QAM-20175-1RB#0-Range4:1000~5000MHz



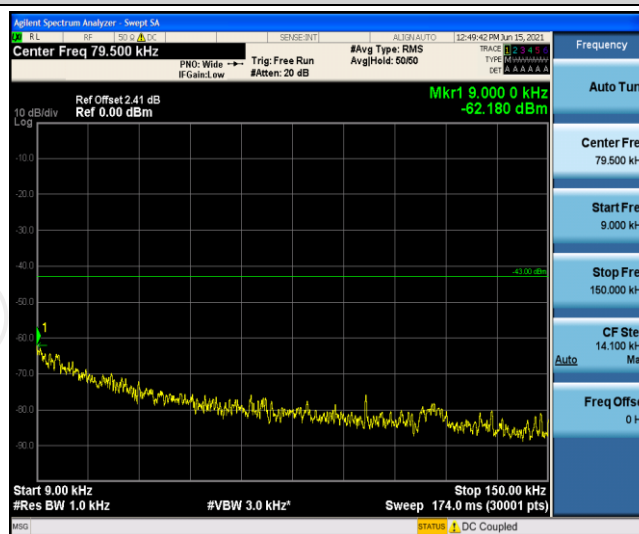
Band4-20MHz-16QAM-20175-1RB#0-Range5:5000~12000MHz



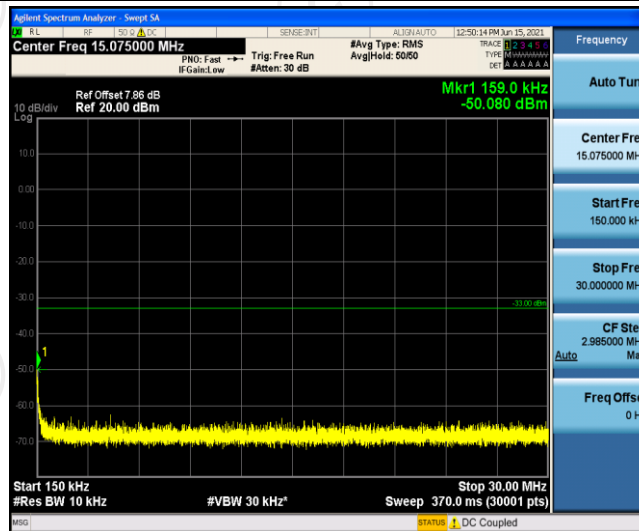
Band4-20MHz-16QAM-20175-1RB#0-Range6:12000~26500MHz



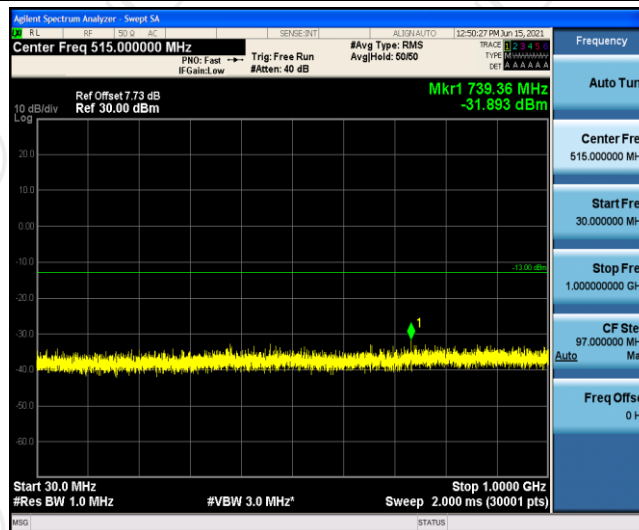
Band4-20MHz-16QAM-20300-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-16QAM-20300-1RB#0-Range2:0.15~30MHz



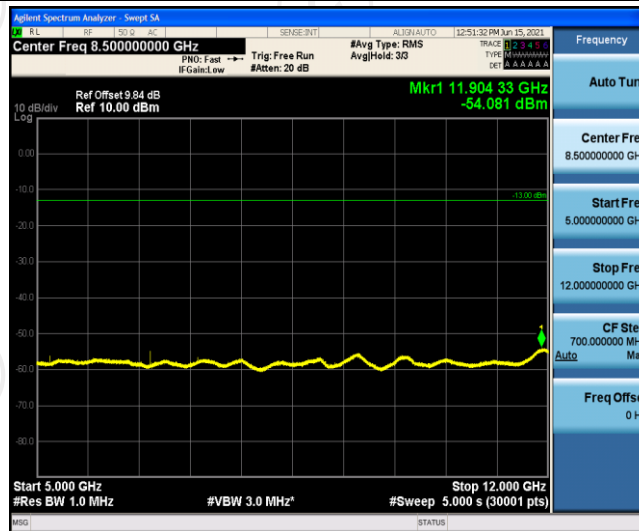
Band4-20MHz-16QAM-20300-1RB#0-Range3:30~1000MHz



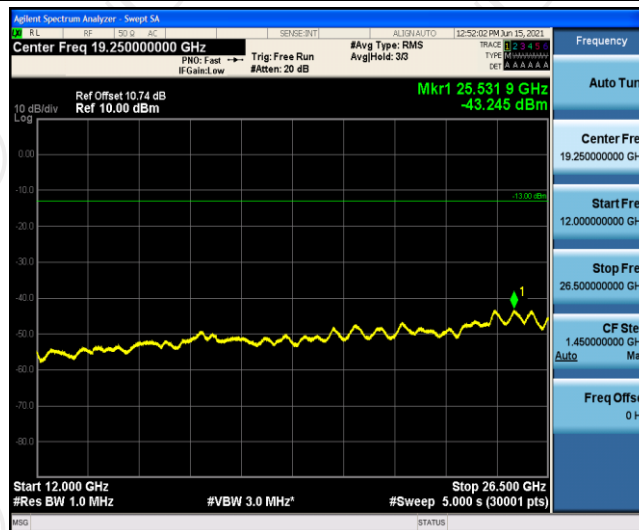
Band4-20MHz-16QAM-20300-1RB#0-Range4:1000~5000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range5:5000~12000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range6:12000~26500MHz



## Appendix F: Frequency Stability

### Test Result

| Voltage |           |            |         |                  |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4   | 1.4MHz    | QPSK       | 19957   | 6RB#0            | VL            | NT               | 38.25          | 0.022359        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 19957   | 6RB#0            | VN            | NT               | 42.79          | 0.025013        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 19957   | 6RB#0            | VH            | NT               | 28.87          | 0.016876        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20175   | 6RB#0            | VL            | NT               | 31.10          | 0.017951        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20175   | 6RB#0            | VN            | NT               | 27.41          | 0.015821        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20175   | 6RB#0            | VH            | NT               | 39.90          | 0.023030        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20393   | 6RB#0            | VL            | NT               | 19.98          | 0.011389        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20393   | 6RB#0            | VN            | NT               | 25.13          | 0.014325        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20393   | 6RB#0            | VH            | NT               | 7.82           | 0.004458        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | VL            | NT               | -9.41          | -0.005501       | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | VN            | NT               | -12.42         | -0.007260       | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | VH            | NT               | -6.29          | -0.003677       | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | VL            | NT               | 39.50          | 0.022799        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | VN            | NT               | 36.88          | 0.021287        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | VH            | NT               | 21.69          | 0.012519        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | VL            | NT               | -40.50         | -0.023086       | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | VN            | NT               | -37.72         | -0.021501       | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | VH            | NT               | -44.00         | -0.025081       | ±2.5        | PASS    |

| Temperature |           |            |         |                  |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4       | 1.4MHz    | QPSK       | 19957   | 6RB#0            | NV            | -30              | 24.02          | 0.014041        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 19957   | 6RB#0            | NV            | -20              | 16.95          | 0.009908        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 19957   | 6RB#0            | NV            | 0                | 13.15          | 0.007687        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 19957   | 6RB#0            | NV            | 10               | 9.33           | 0.005454        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 19957   | 6RB#0            | NV            | 20               | 3.86           | 0.002256        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 20175   | 6RB#0            | NV            | -30              | 43.02          | 0.024831        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 20175   | 6RB#0            | NV            | -20              | -7.85          | -0.004531       | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 20175   | 6RB#0            | NV            | 0                | 5.52           | 0.003186        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 20175   | 6RB#0            | NV            | 10               | 17.47          | 0.010084        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 20175   | 6RB#0            | NV            | 20               | 31.91          | 0.018418        | ±2.5        | PASS    |
| Band4       | 1.4MHz    | QPSK       | 20393   | 6RB#0            | NV            | -30              | -6.92          | -0.003945       | ±2.5        | PASS    |



|       |        |       |       |       |    |     |        |           |      |      |
|-------|--------|-------|-------|-------|----|-----|--------|-----------|------|------|
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0 | NV | -20 | -12.70 | -0.007239 | ±2.5 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0 | NV | 0   | -22.33 | -0.012729 | ±2.5 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0 | NV | 10  | -25.28 | -0.014410 | ±2.5 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0 | NV | 20  | -34.15 | -0.019466 | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | NV | -30 | 2.82   | 0.001648  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | NV | -20 | 5.54   | 0.003238  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | NV | 0   | 10.79  | 0.006307  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | NV | 10  | 13.29  | 0.007769  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | NV | 20  | 12.85  | 0.007512  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | NV | -30 | 31.03  | 0.017911  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | NV | -20 | 41.36  | 0.023873  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | NV | 0   | 11.49  | 0.006632  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | NV | 10  | 26.56  | 0.015330  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | NV | 20  | 37.02  | 0.021368  | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | NV | -30 | -43.92 | -0.025036 | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | NV | -20 | -37.04 | -0.021114 | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | NV | 0   | -33.36 | -0.019016 | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | NV | 10  | -24.85 | -0.014165 | ±2.5 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | NV | 20  | -21.72 | -0.012381 | ±2.5 | PASS |