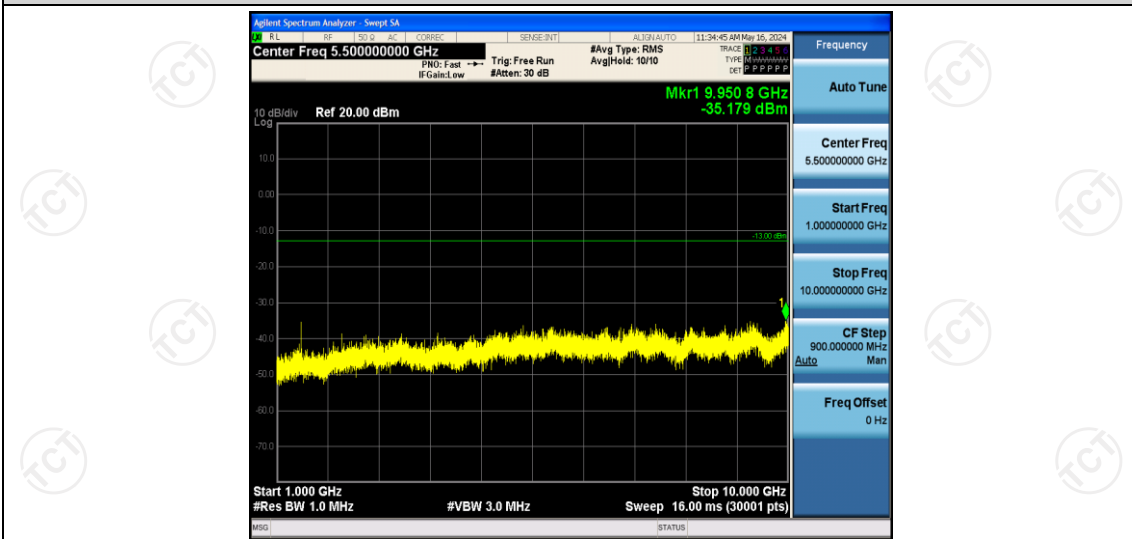
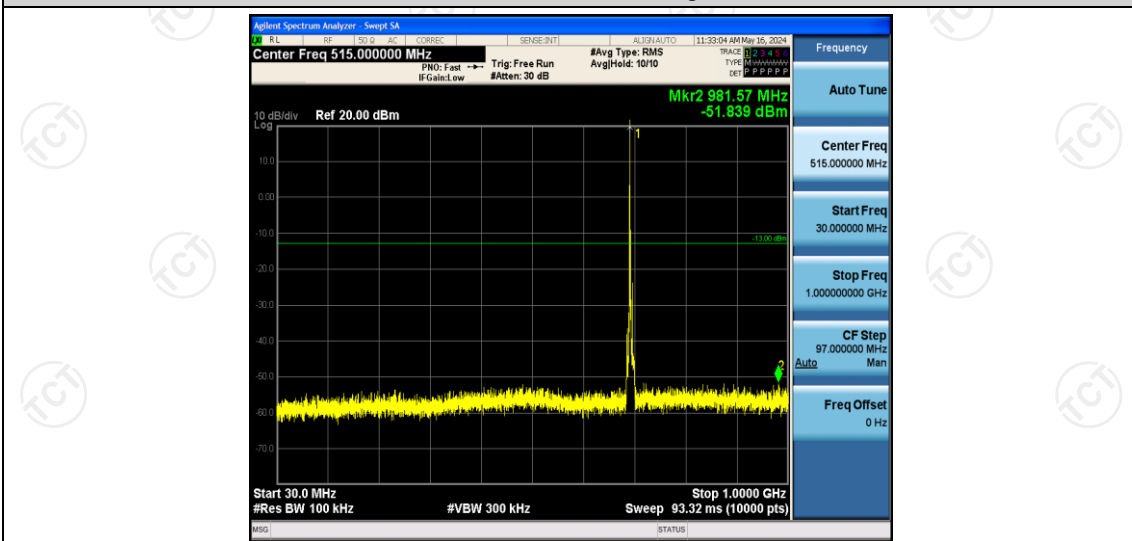


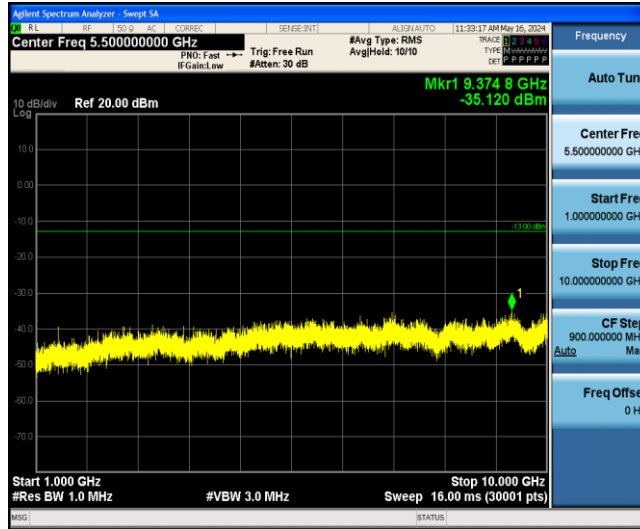
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



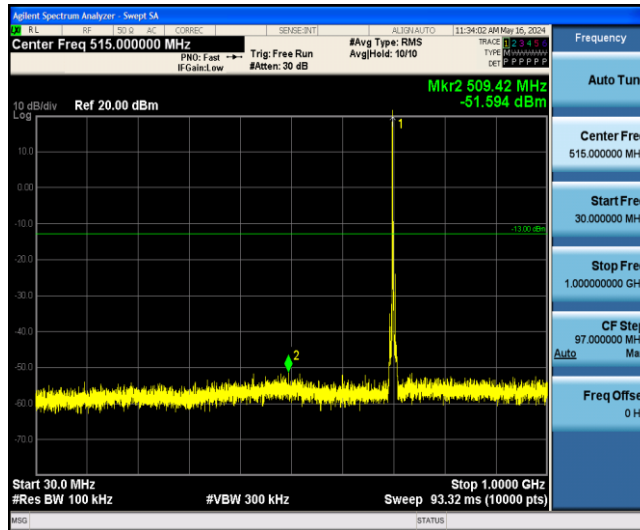
Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



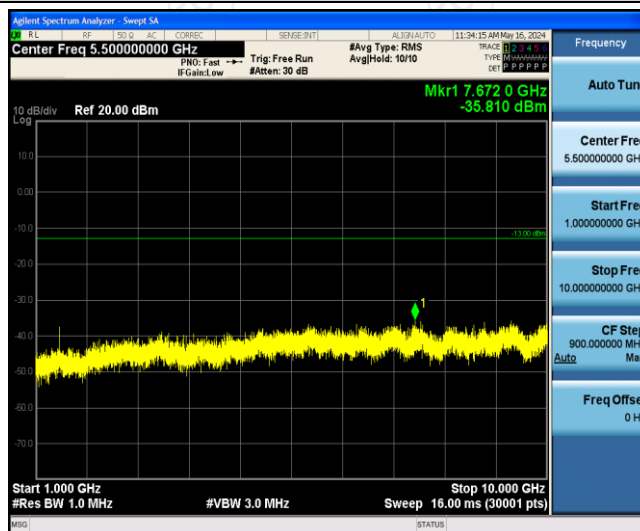
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



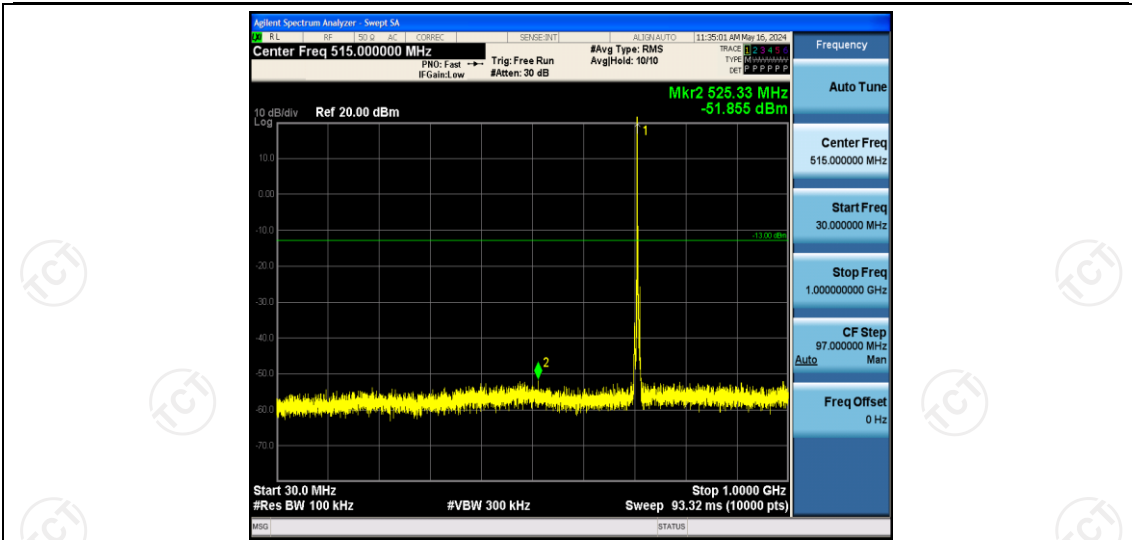
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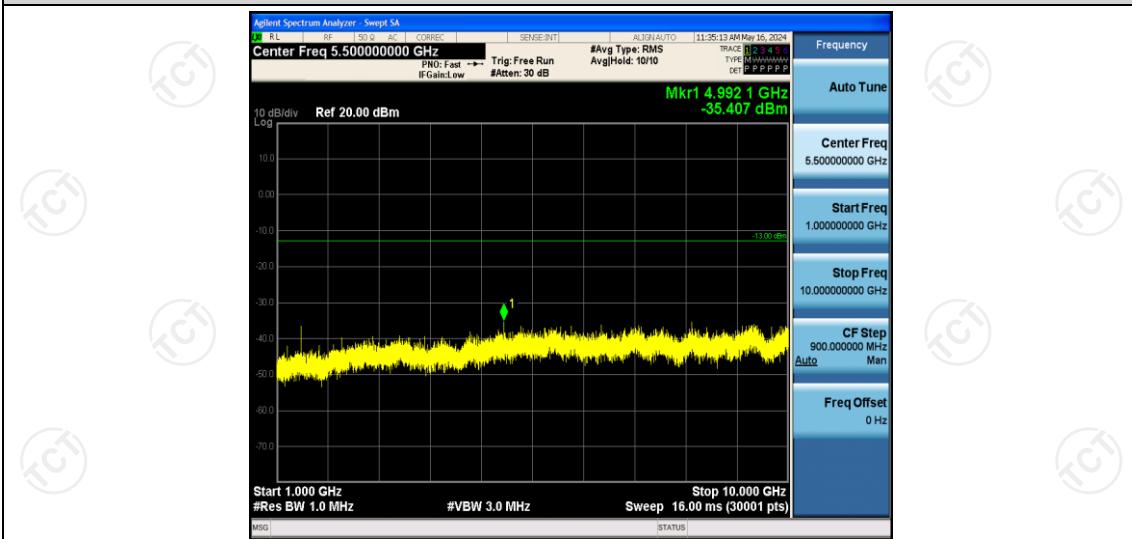
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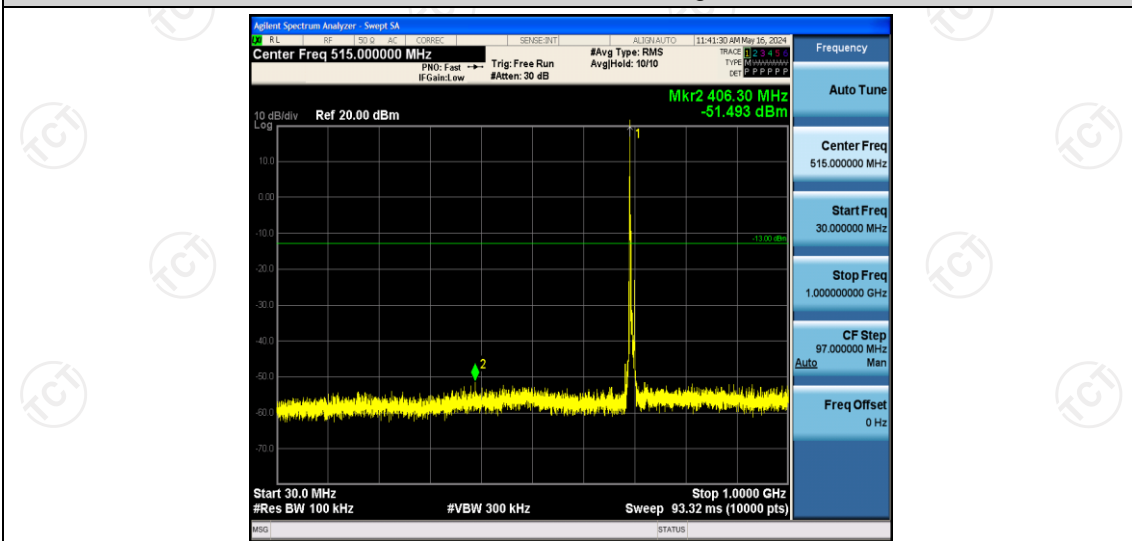
Band12-3MHz-16QAM-23095-1RB#0-Range2: 1000~10000MHz



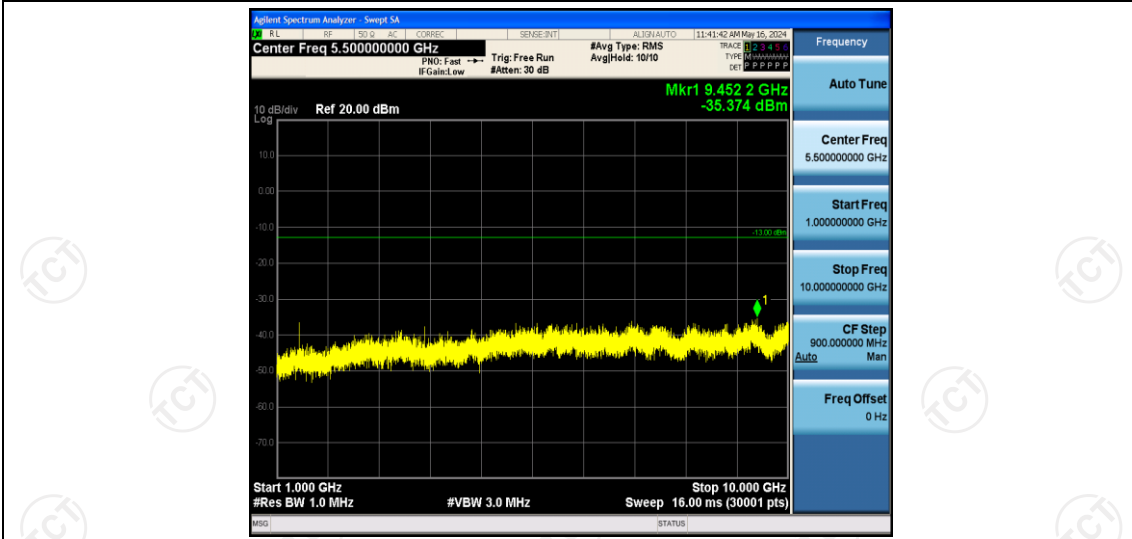
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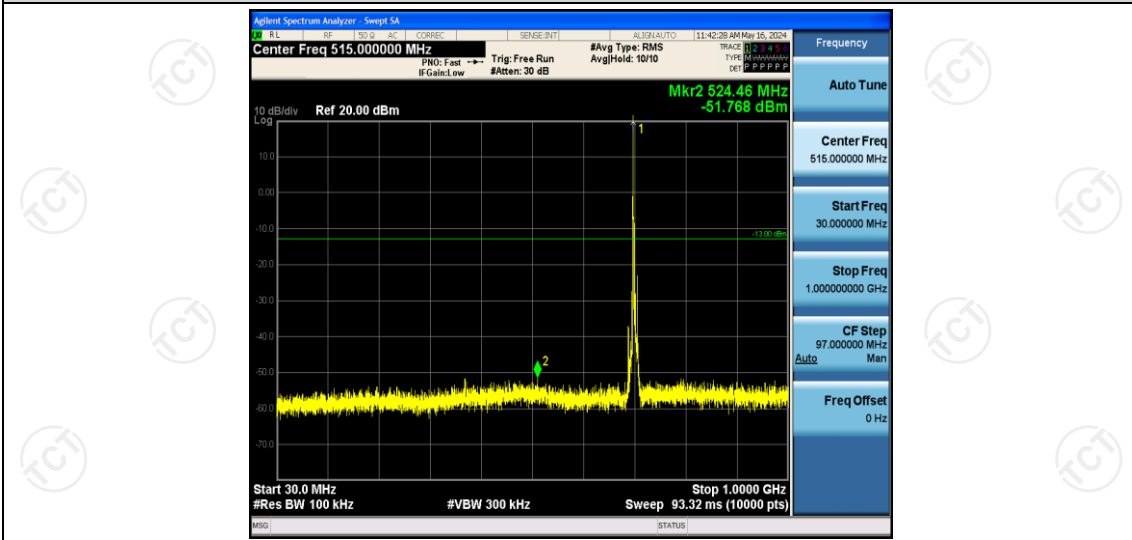
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



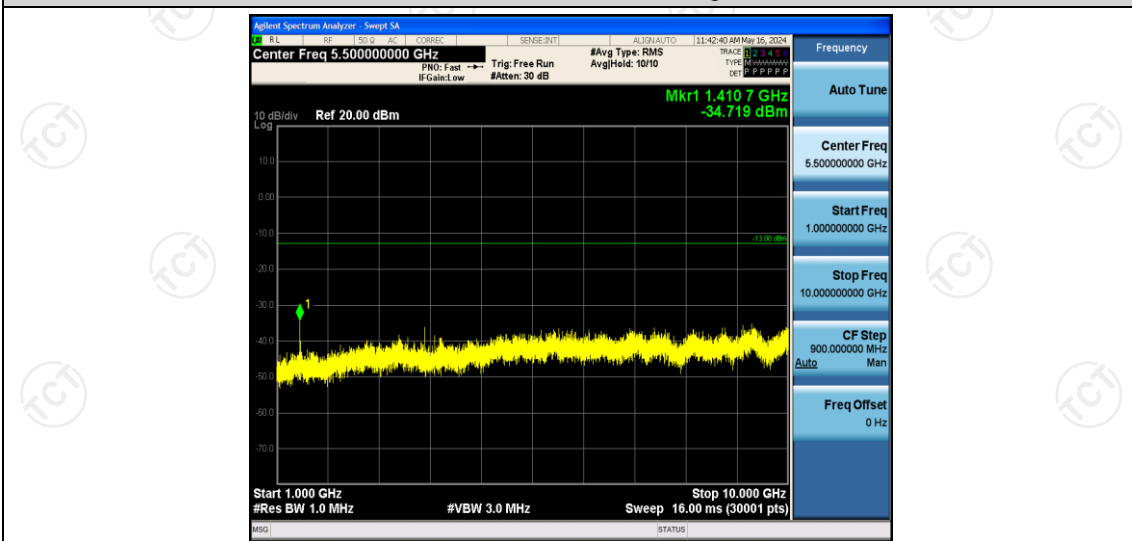
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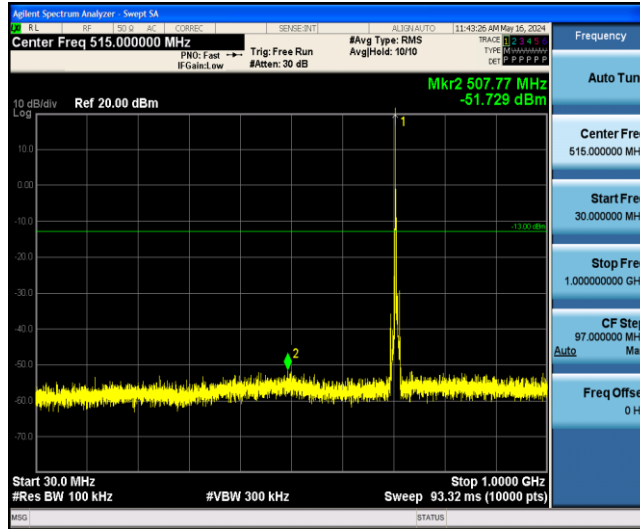
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



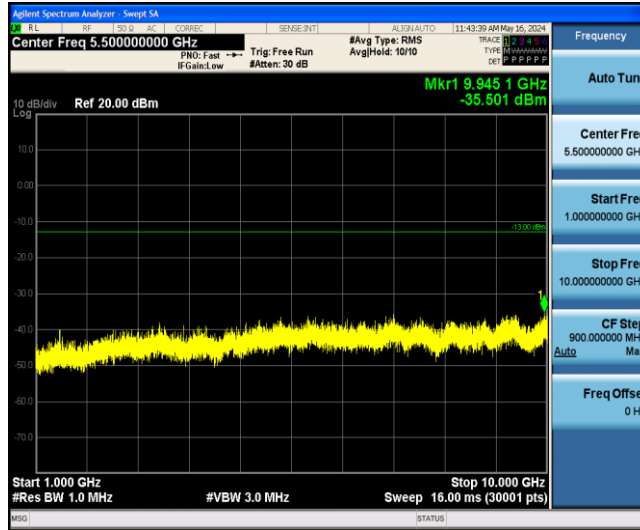
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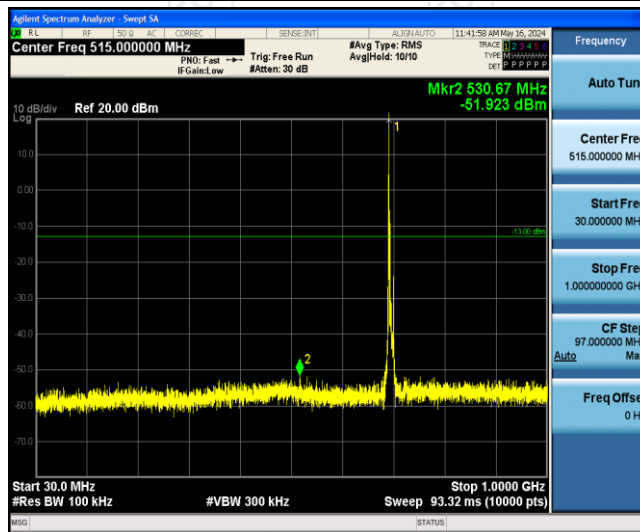
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



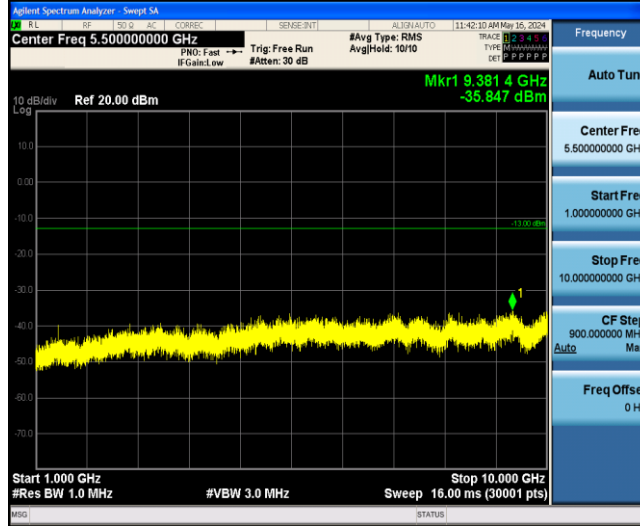
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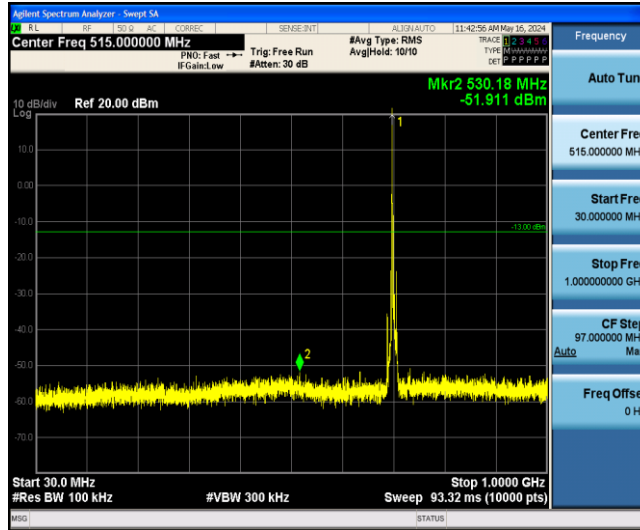
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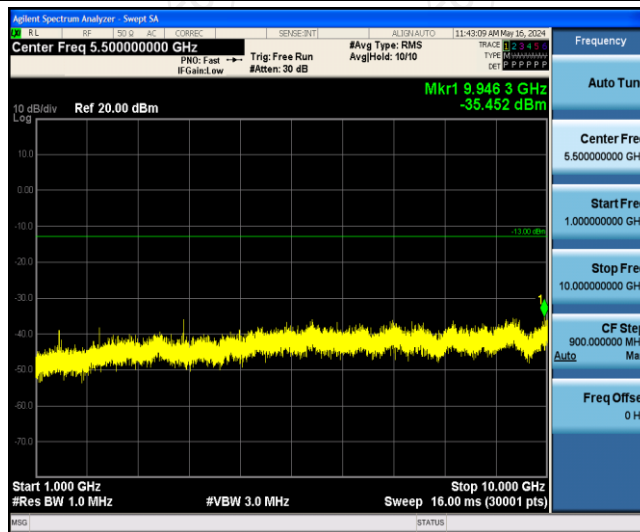
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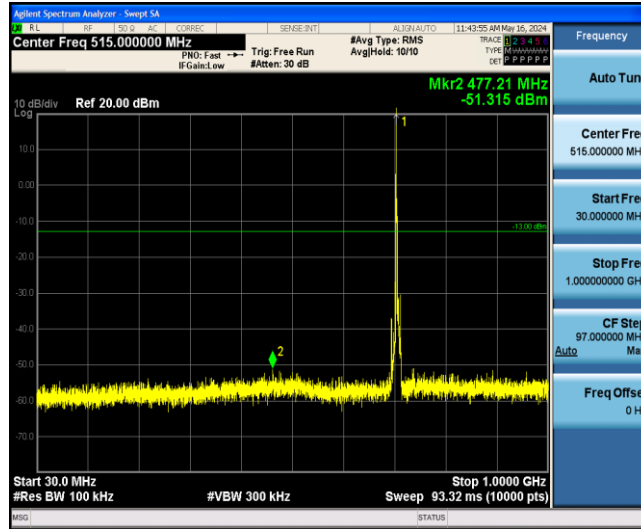
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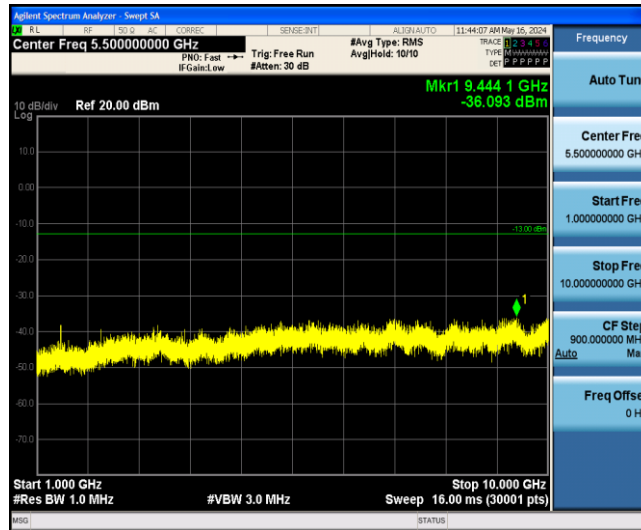
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



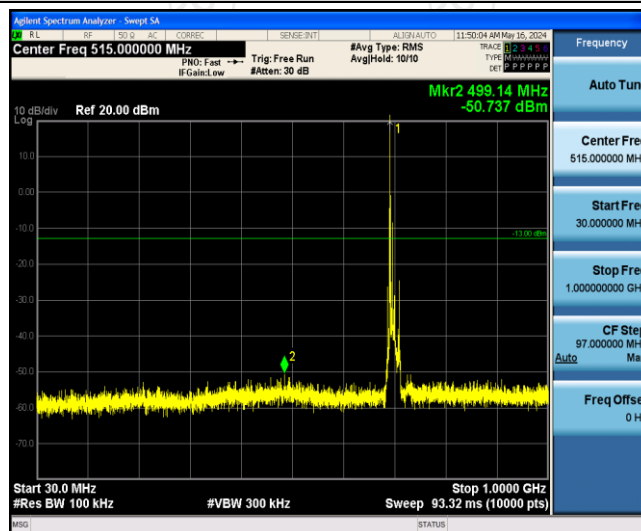
Band12-5MHz-16QAM-23095-1RB#0-Range2: 1000~10000MHz



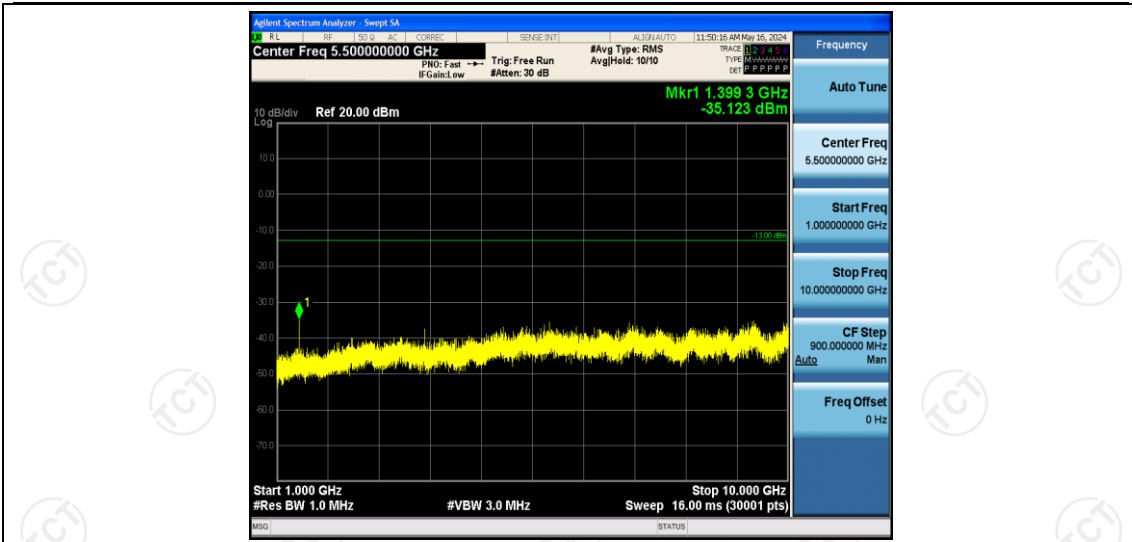
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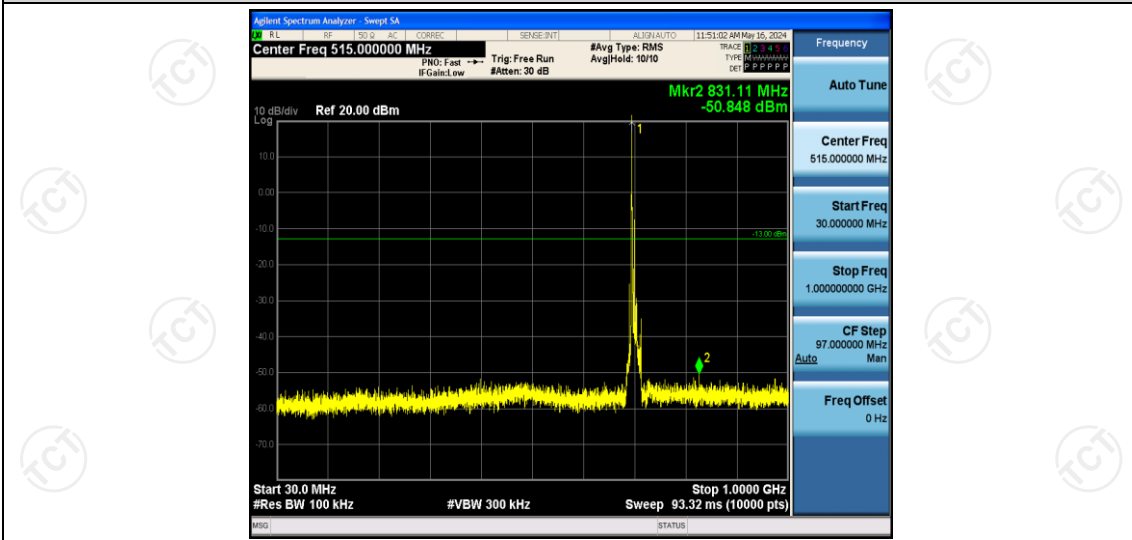
Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



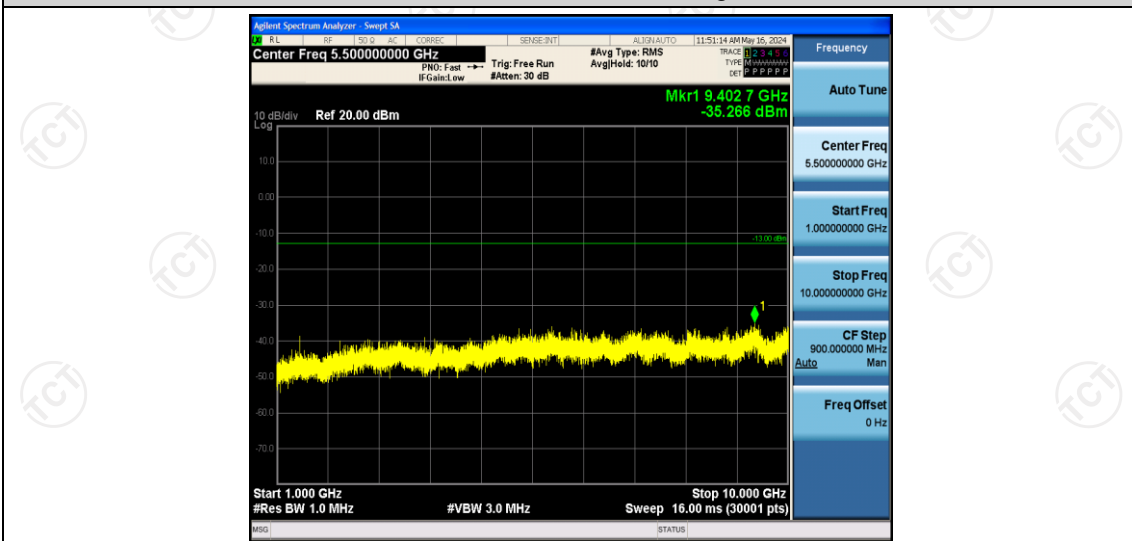
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz

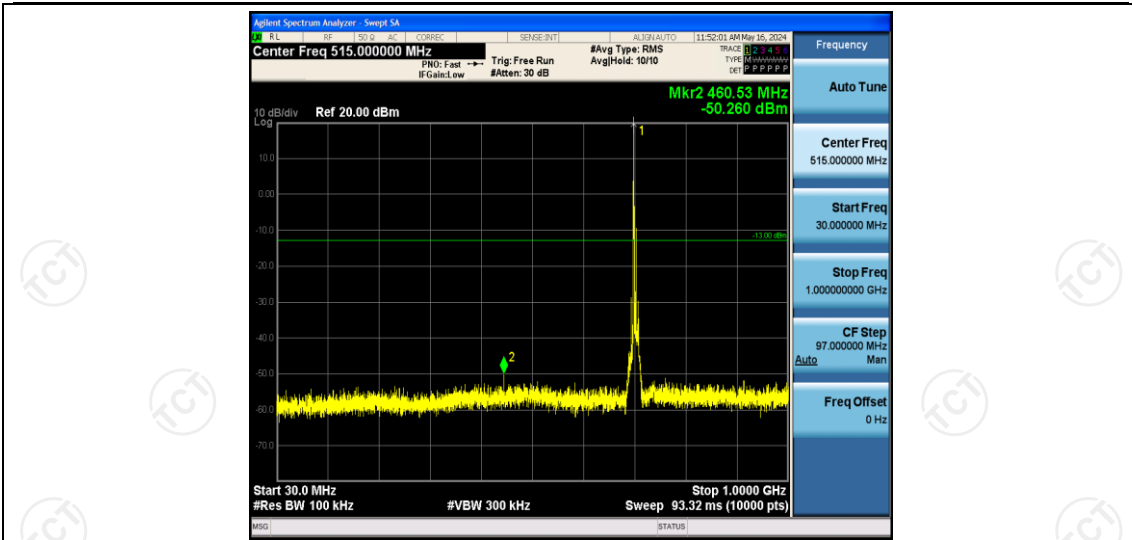


Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

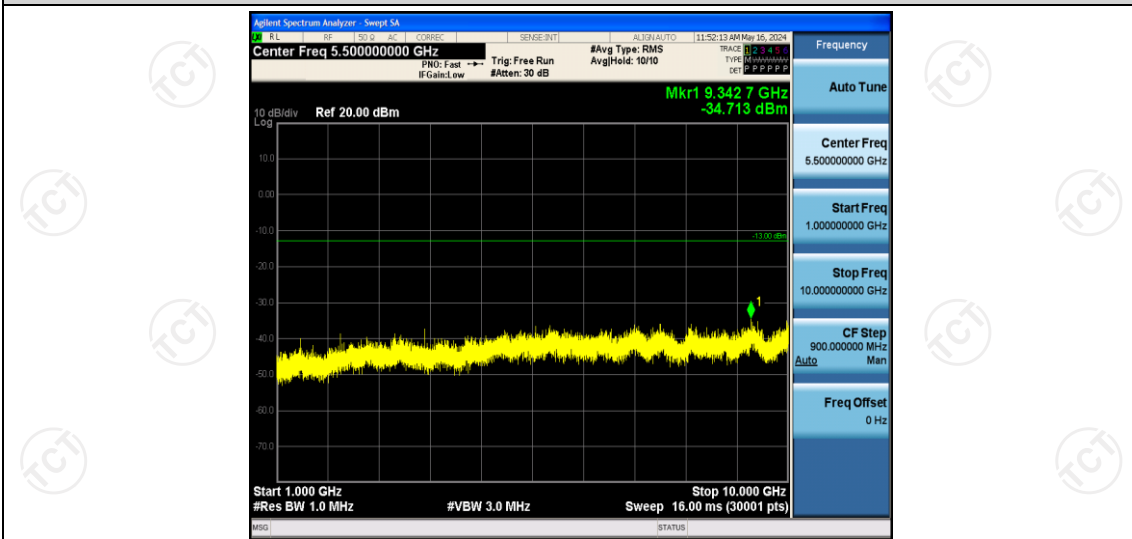


Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz

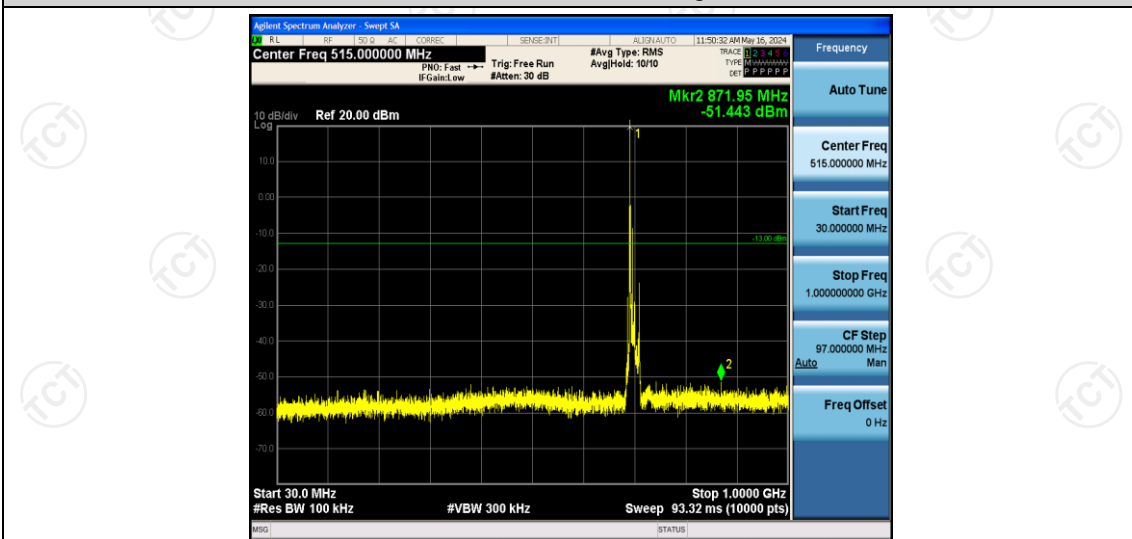




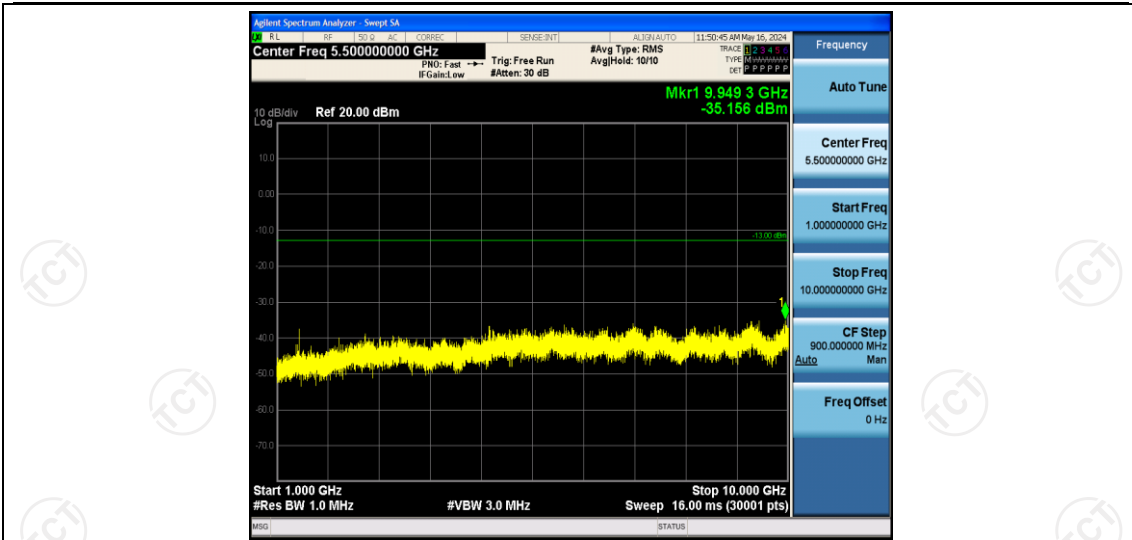
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



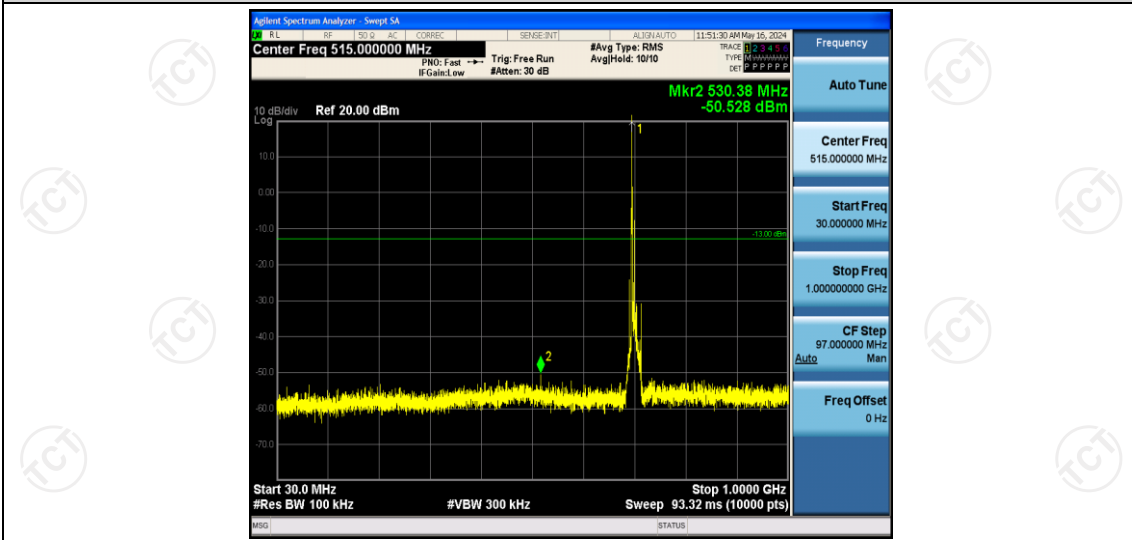
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



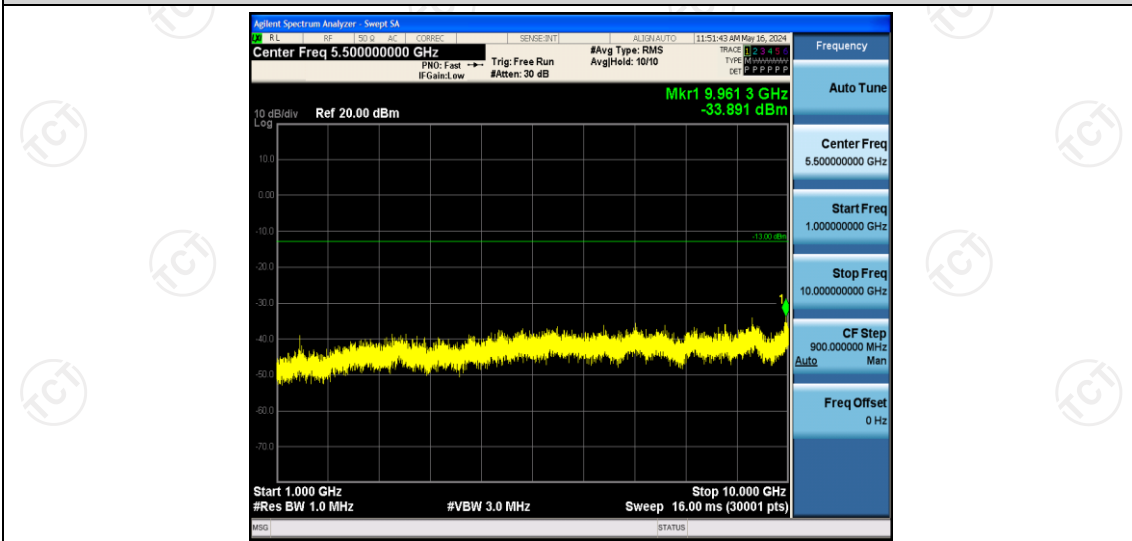
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



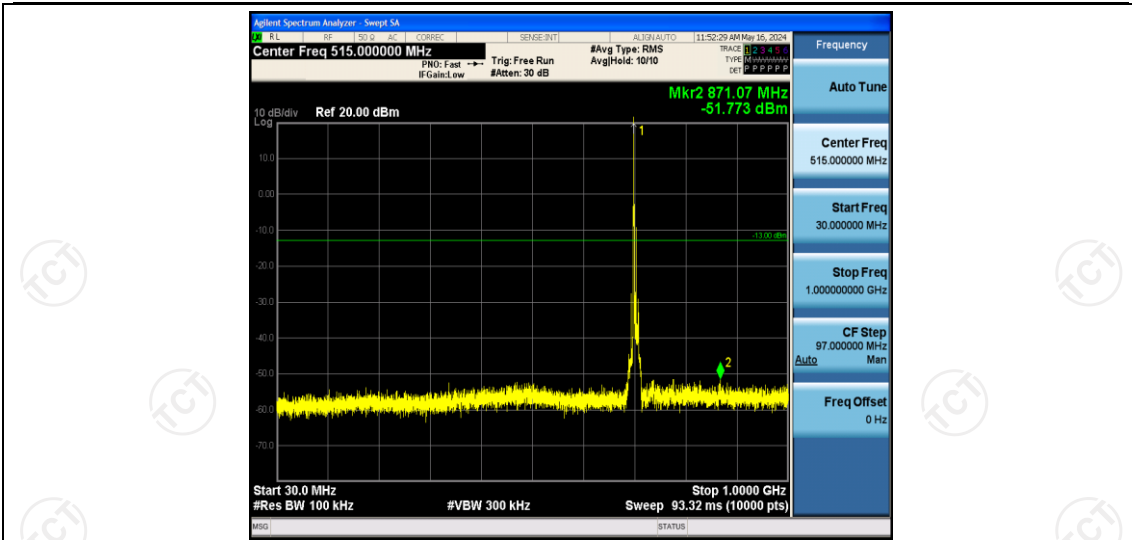
Band12-10MHz-16QAM-23060-1RB#0-Range2: 1000~10000MHz



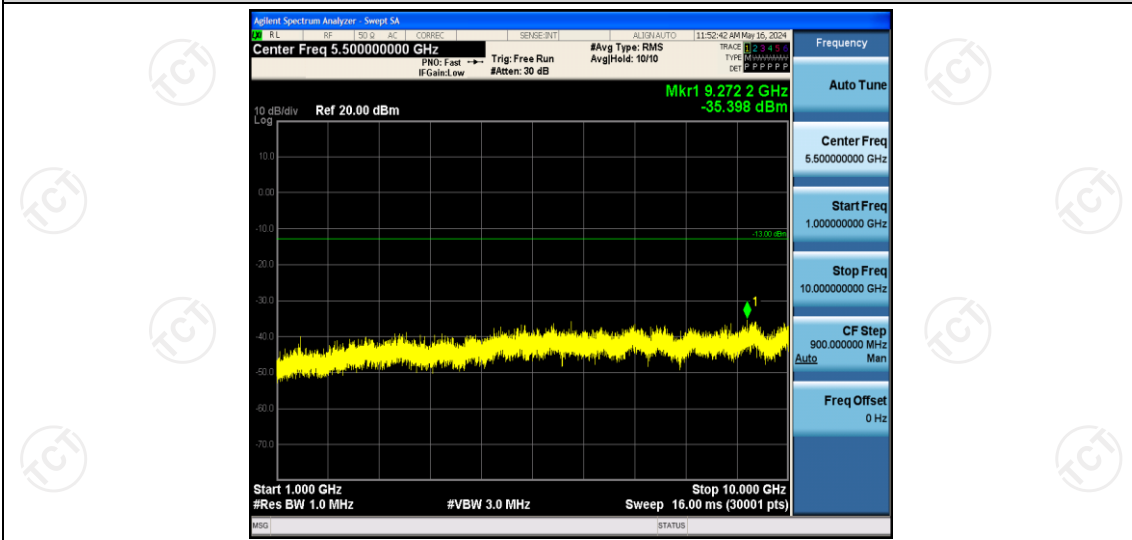
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range2: 1000~10000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz

## Appendix F: Frequency Stability

### Test Result

| Band       | Bandwidth | Modulation | Channel | RB Configure | Voltage       |                  | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
|            |           |            |         |              | Voltage [Vdc] | Temperature (°C) |                |                 |             |         |
| Band1<br>2 | 1.4MHz    | QPSK       | 23017   | 6RB#0        | VL            | NT               | -6.73          | -0.009618       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | QPSK       | 23017   | 6RB#0        | VN            | NT               | -6.35          | -0.009075       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | QPSK       | 23017   | 6RB#0        | VH            | NT               | -7.26          | -0.010376       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | QPSK       | 23095   | 6RB#0        | VL            | NT               | -6.83          | -0.009654       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | QPSK       | 23095   | 6RB#0        | VN            | NT               | 7.81           | 0.011039        | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | QPSK       | 23095   | 6RB#0        | VH            | NT               | -2.17          | -0.003067       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | QPSK       | 23173   | 6RB#0        | VL            | NT               | -5.75          | -0.008039       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | QPSK       | 23173   | 6RB#0        | VN            | NT               | 4.54           | 0.006347        | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | QPSK       | 23173   | 6RB#0        | VH            | NT               | -7.86          | -0.010988       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | 16QAM      | 23017   | 6RB#0        | VL            | NT               | -9.72          | -0.013892       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | 16QAM      | 23017   | 6RB#0        | VN            | NT               | -9.80          | -0.014006       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | 16QAM      | 23017   | 6RB#0        | VH            | NT               | -6.55          | -0.009361       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | 16QAM      | 23095   | 6RB#0        | VL            | NT               | -6.30          | -0.008905       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | 16QAM      | 23095   | 6RB#0        | VN            | NT               | -7.22          | -0.010205       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | 16QAM      | 23095   | 6RB#0        | VH            | NT               | -5.38          | -0.007604       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | 16QAM      | 23173   | 6RB#0        | VL            | NT               | -8.60          | -0.012023       | ±2.5        | PASS    |
| Band1<br>2 | 1.4MHz    | 16QAM      | 23173   | 6RB#0        | VN            | NT               | -5.12          | -0.007158       | ±2.5        | PASS    |

|            |        |       |       |       |    |    |       |           |      |      |
|------------|--------|-------|-------|-------|----|----|-------|-----------|------|------|
| Band1<br>2 | 1.4MHz | 16QAM | 23173 | 6RB#0 | VH | NT | -4.52 | -0.006319 | ±2.5 | PASS |
|------------|--------|-------|-------|-------|----|----|-------|-----------|------|------|

| Temperature |           |            |         |                  |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band1<br>2  | 1.4MHz    | QPSK       | 23017   | 6RB#0            | NV            | -30              | -11.11         | -0.015878       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23017   | 6RB#0            | NV            | -20              | -10.05         | -0.014363       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23017   | 6RB#0            | NV            | 0                | -10.64         | -0.015207       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23017   | 6RB#0            | NV            | 10               | -6.18          | -0.008832       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23017   | 6RB#0            | NV            | 20               | -6.15          | -0.008789       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23095   | 6RB#0            | NV            | -30              | -8.53          | -0.012057       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23095   | 6RB#0            | NV            | -20              | -9.43          | -0.013329       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23095   | 6RB#0            | NV            | 0                | 3.04           | 0.004297        | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23095   | 6RB#0            | NV            | 10               | -12.00         | -0.016961       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23095   | 6RB#0            | NV            | 20               | -8.59          | -0.012141       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23173   | 6RB#0            | NV            | -30              | -5.72          | -0.007997       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23173   | 6RB#0            | NV            | -20              | -10.83         | -0.015141       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23173   | 6RB#0            | NV            | 0                | -9.81          | -0.013715       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23173   | 6RB#0            | NV            | 10               | -10.06         | -0.014064       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | QPSK       | 23173   | 6RB#0            | NV            | 20               | 2.52           | 0.003523        | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | NV            | -30              | -9.61          | -0.013734       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | NV            | -20              | -13.12         | -0.018751       | ±2.5        | PASS    |
| Band1<br>2  | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | NV            | 0                | -6.77          | -0.009676       | ±2.5        | PASS    |

|            |        |       |       |       |    |     |        |           |      |      |
|------------|--------|-------|-------|-------|----|-----|--------|-----------|------|------|
| 2          |        |       |       |       |    |     |        |           |      |      |
| Band1<br>2 | 1.4MHz | 16QAM | 23017 | 6RB#0 | NV | 10  | -9.23  | -0.013191 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23017 | 6RB#0 | NV | 20  | -9.42  | -0.013463 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23095 | 6RB#0 | NV | -30 | -4.75  | -0.006714 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23095 | 6RB#0 | NV | -20 | -5.84  | -0.008254 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23095 | 6RB#0 | NV | 0   | -6.86  | -0.009696 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23095 | 6RB#0 | NV | 10  | -5.71  | -0.008071 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23095 | 6RB#0 | NV | 20  | -9.49  | -0.013413 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23173 | 6RB#0 | NV | -30 | -7.26  | -0.010150 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23173 | 6RB#0 | NV | -20 | -9.93  | -0.013882 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23173 | 6RB#0 | NV | 0   | -10.32 | -0.014428 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23173 | 6RB#0 | NV | 10  | -9.19  | -0.012848 | ±2.5 | PASS |
| Band1<br>2 | 1.4MHz | 16QAM | 23173 | 6RB#0 | NV | 20  | -9.32  | -0.013029 | ±2.5 | PASS |