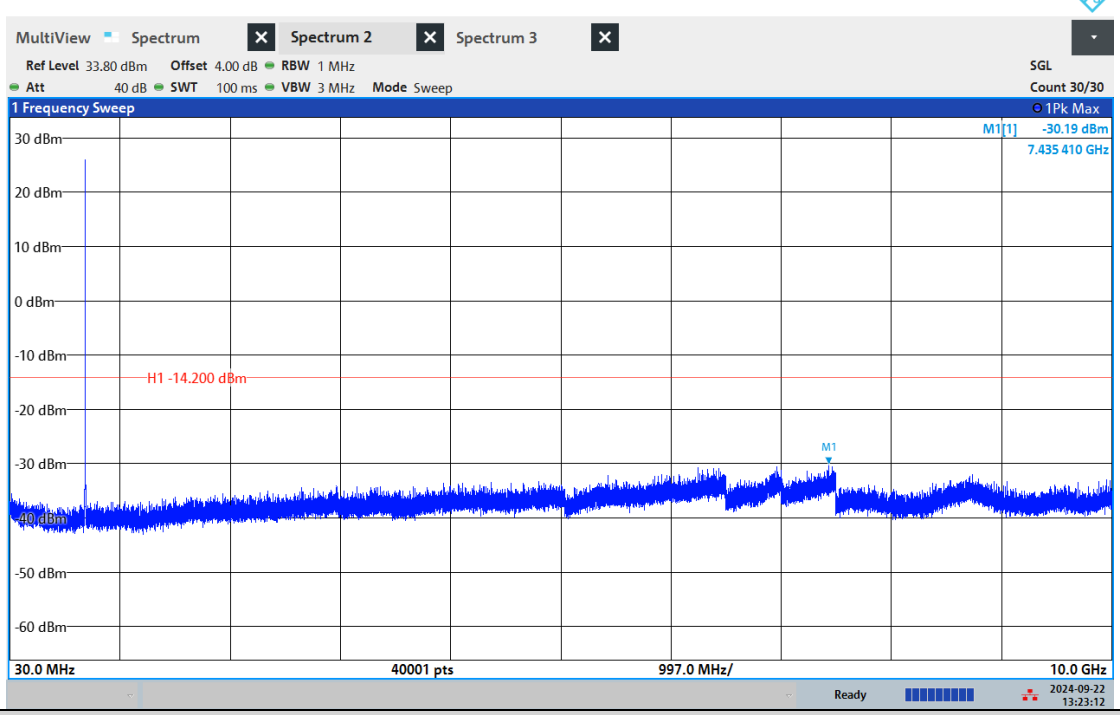
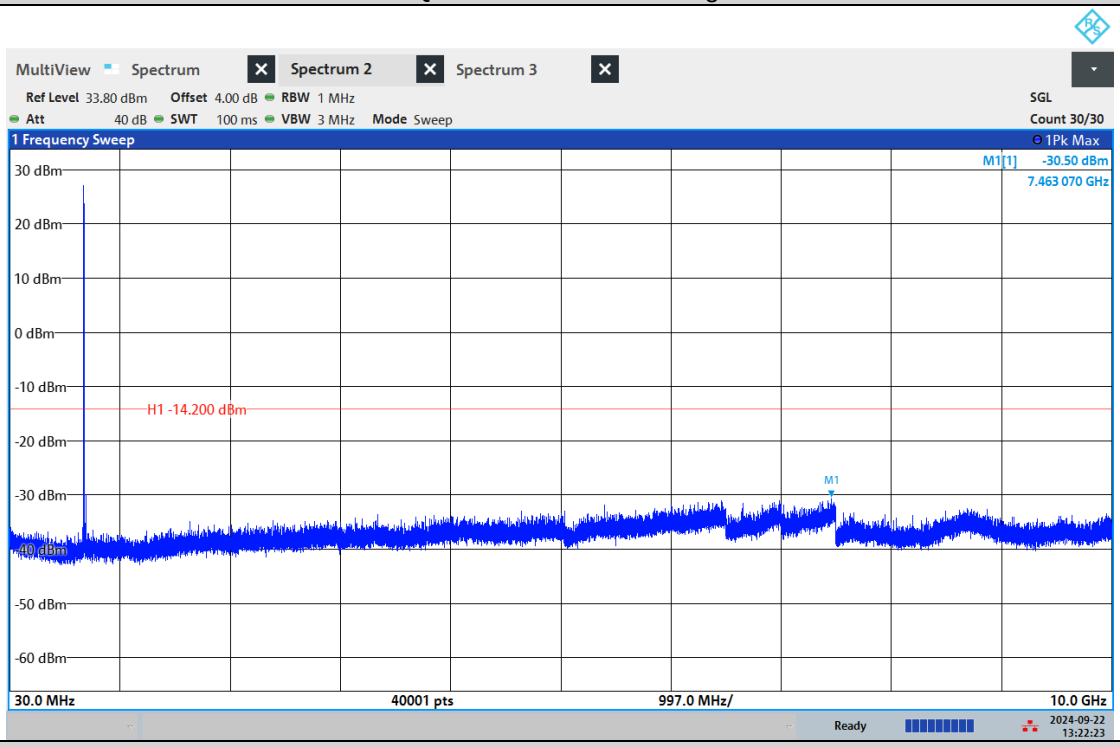
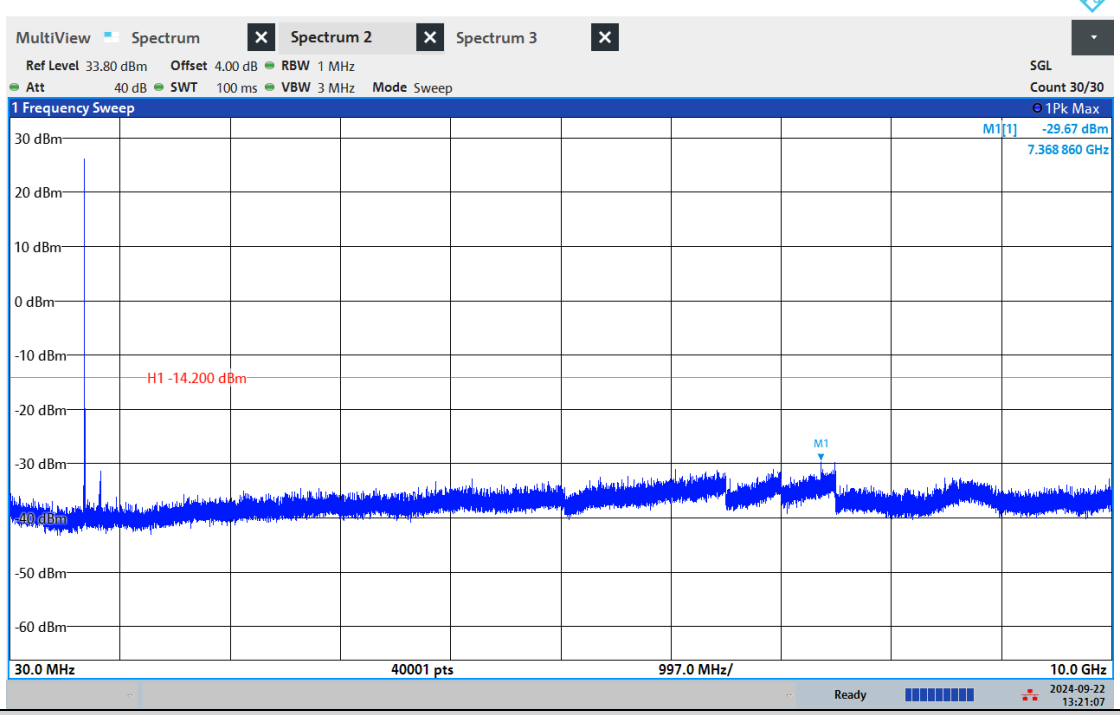


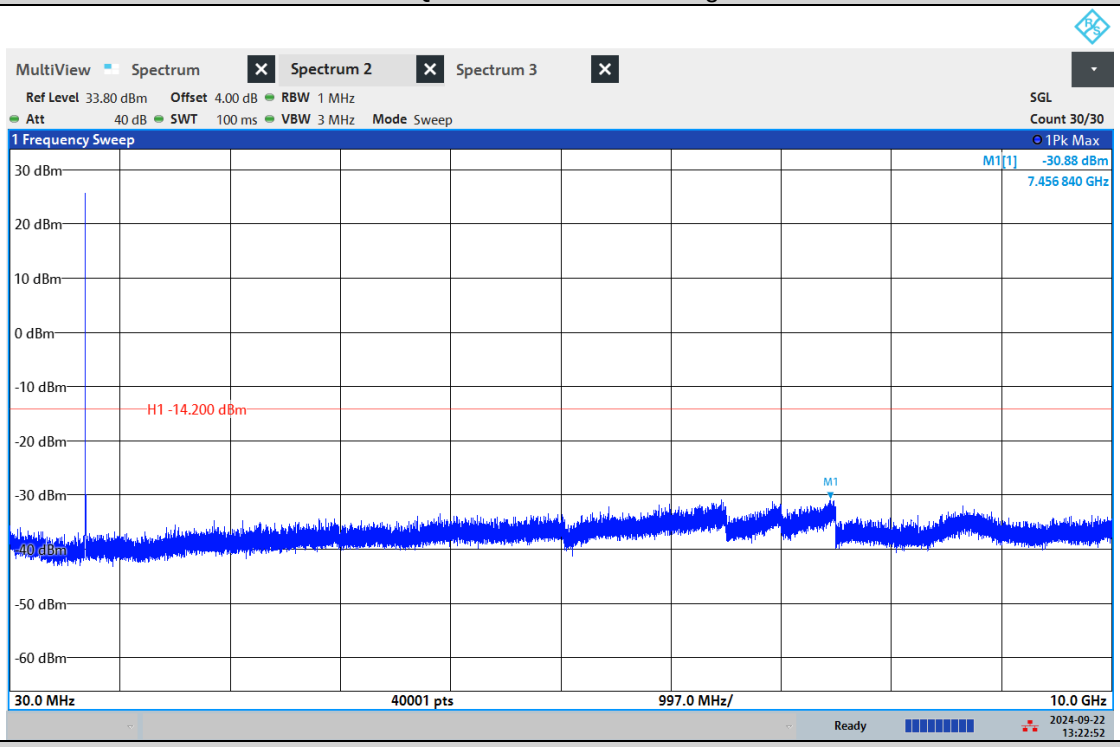

Band12-5MHz-16QAM-23035-1RB#0-Range:30~10000MHz



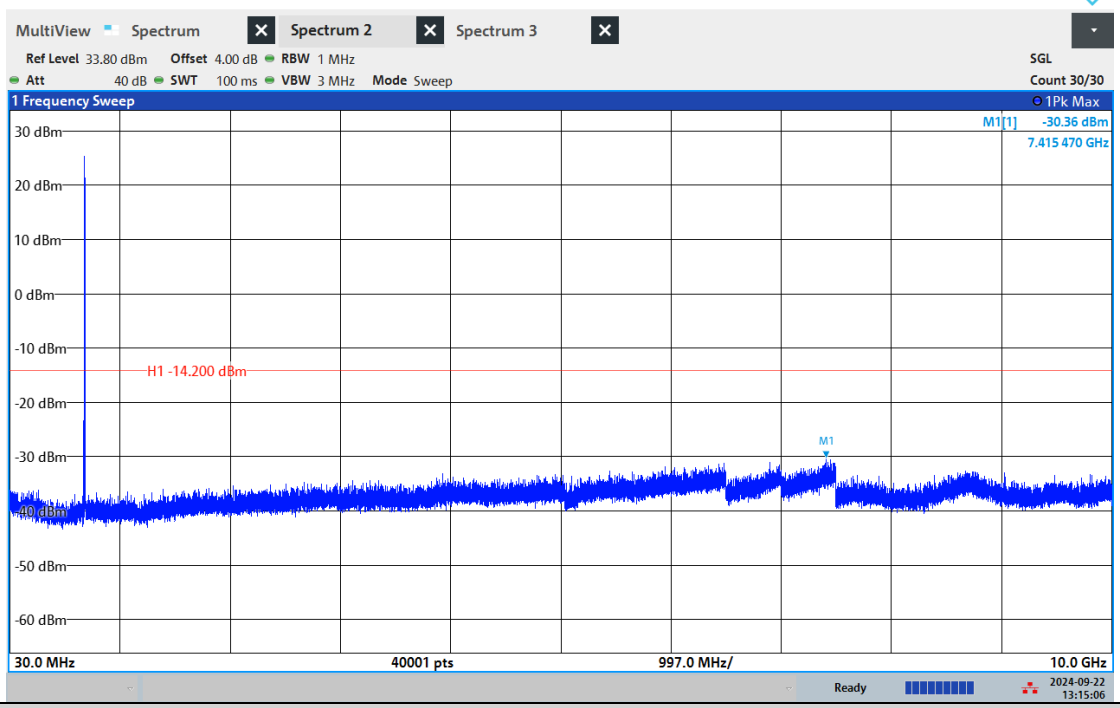

Band12-5MHz-16QAM-23095-1RB#0-Range:30~10000MHz



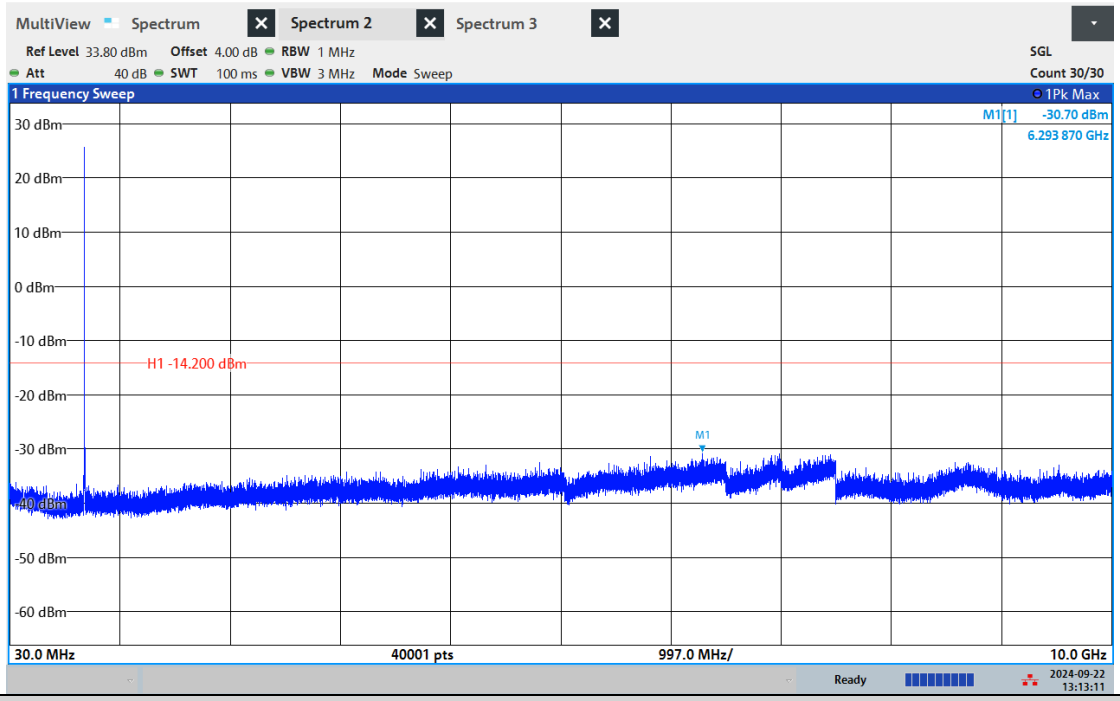

Band12-5MHz-16QAM-23155-1RB#0-Range:30~10000MHz



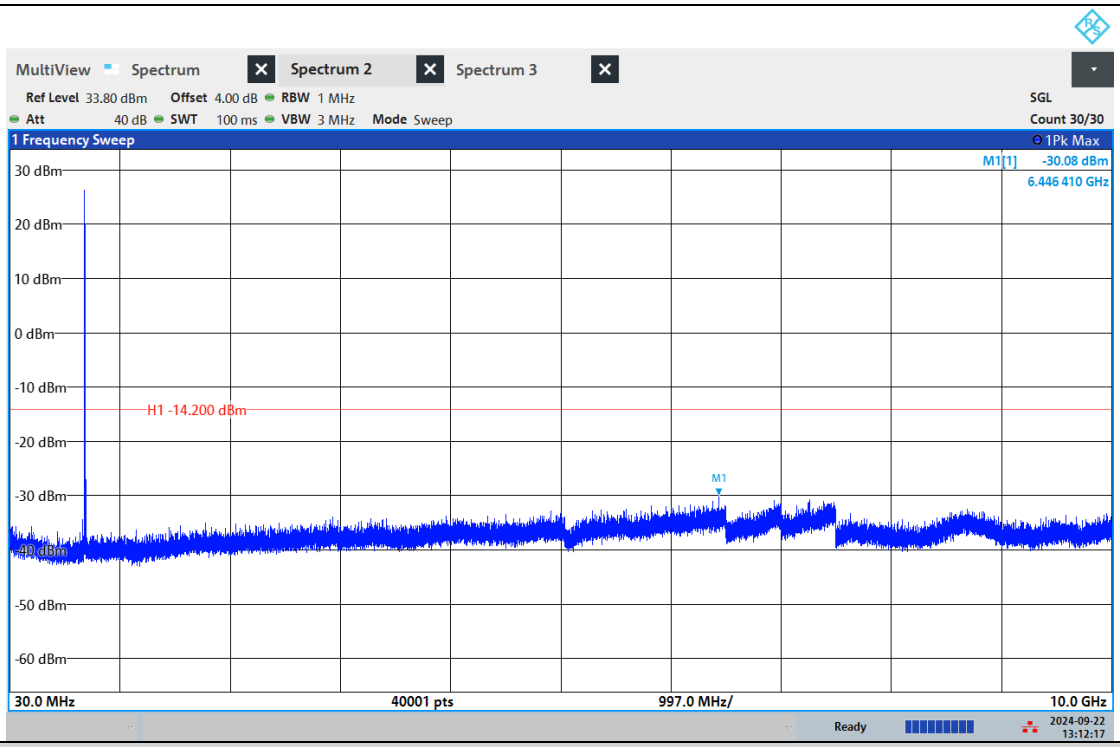

Band12-10MHz-QPSK-23060-1RB#0-Range:30~10000MHz



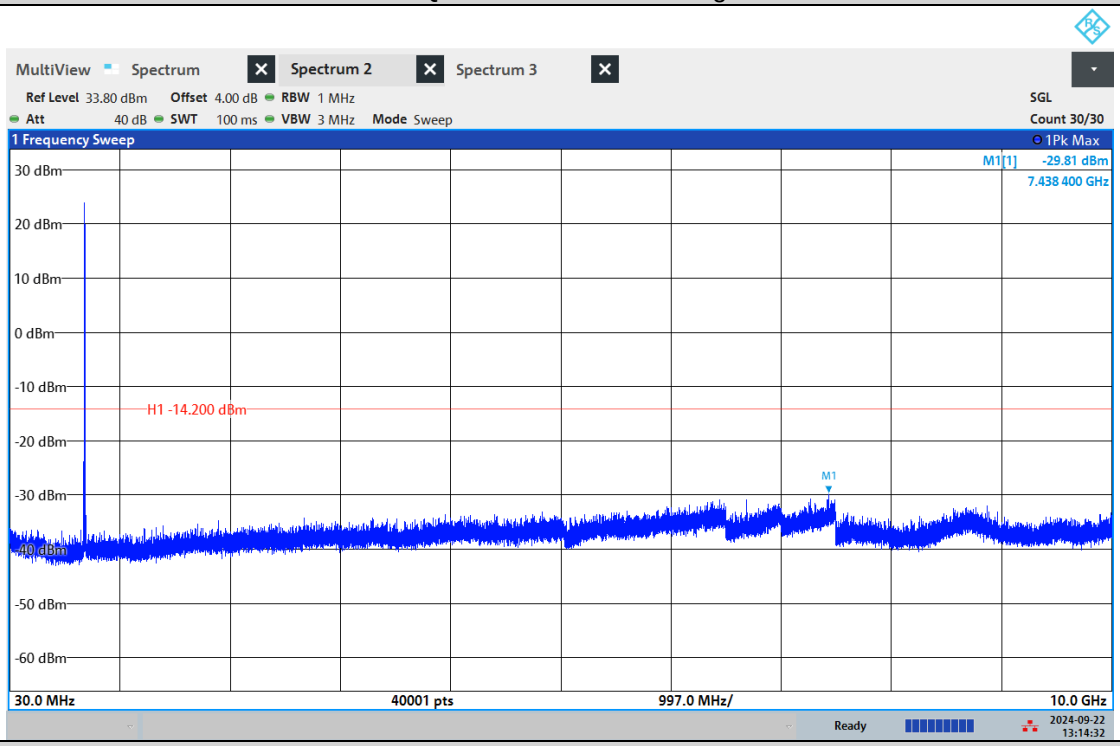

Band12-10MHz-QPSK-23095-1RB#0-Range:30~10000MHz



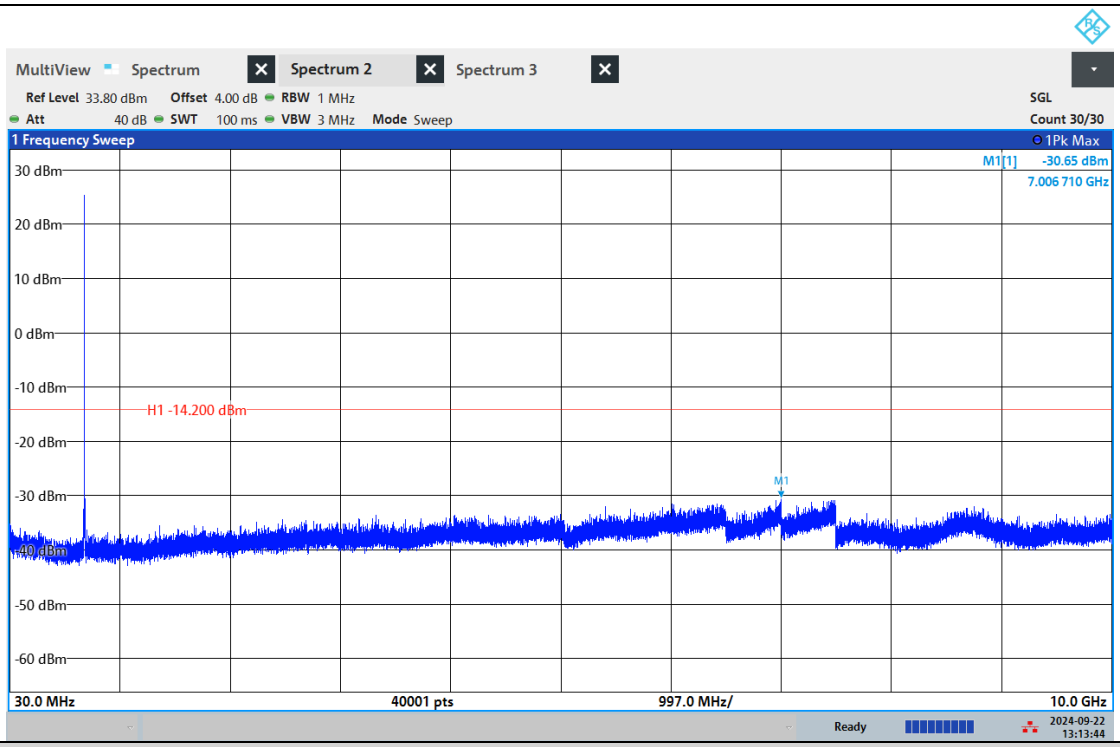

Band12-10MHz-QPSK-23130-1RB#0-Range:30~10000MHz



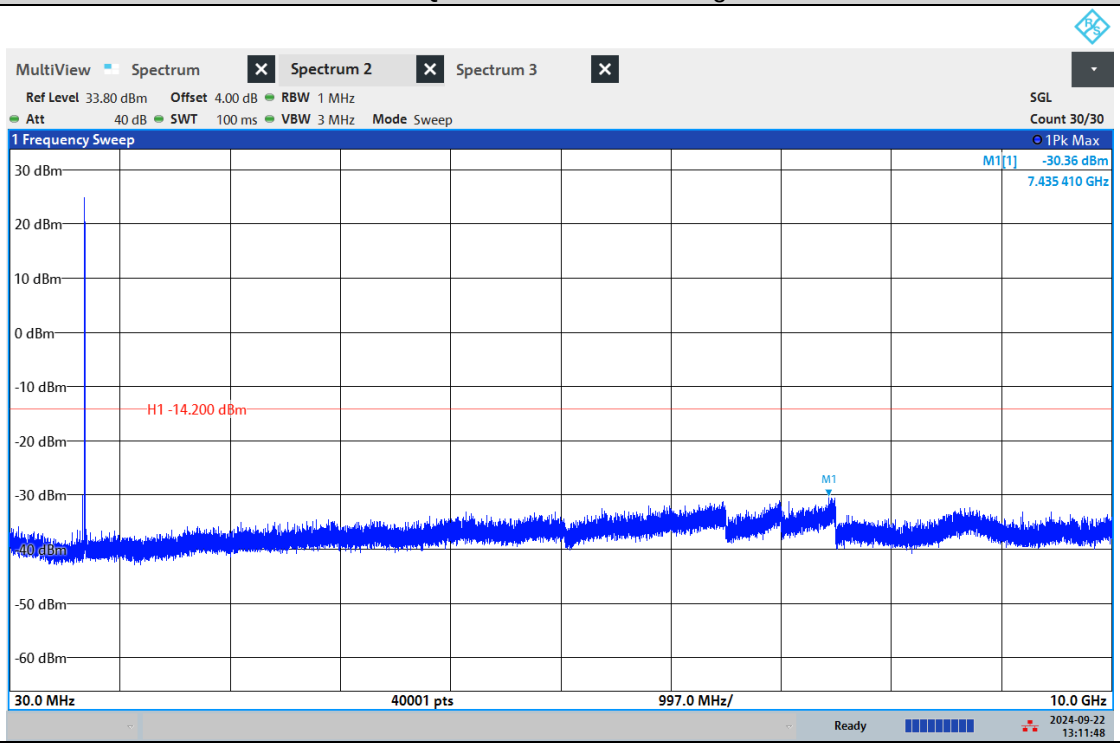

Band12-10MHz-16QAM-23060-1RB#0-Range:30~10000MHz




Band12-10MHz-16QAM-23095-1RB#0-Range:30~10000MHz




Band12-10MHz-16QAM-23130-1RB#0-Range:30~10000MHz




## FREQUENCY STABILITY

## Test Result

Voltage

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | VL | NT | -18.49 | -0.0074 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | VN | NT | -7.25 | -0.0029 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | VH | NT | -12.91 | -0.0051 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | VL | NT | -14.48 | -0.0057 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | VN | NT | 1.24 | 0.0005 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | VH | NT | -5.03 | -0.0020 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 6RB#0 | VL | NT | 7.06 | 0.0028 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 6RB#0 | VN | NT | -11.44 | -0.0045 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 6RB#0 | VH | NT | 17.11 | 0.0067 | ±2.5 | PASS |

| Voltage | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | -30 | 8.10 | 0.0032 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | -20 | 2.20 | 0.0009 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | -10 | -23.20 | -0.0092 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | 0 | -7.80 | -0.0031 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | 10 | 4.50 | 0.0018 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | 20 | -1.80 | -0.0007 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | 30 | 16.00 | 0.0064 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | 40 | 25.60 | 0.0102 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 6RB#0 | NV | 50 | 28.40 | 0.0113 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | -30 | -26.30 | -0.0104 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | -20 | -15.04 | -0.0059 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | -10 | 24.47 | 0.0097 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | 0 | -11.91 | -0.0047 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | 10 | -10.33 | -0.0041 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | 20 | -0.69 | -0.0003 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | 30 | 0.31 | 0.0001 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | 40 | 28.05 | 0.0111 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 6RB#0 | NV | 50 | -4.02 | -0.0016 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 6RB#0 | NV | -30 | 26.40 | 0.0103 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 6RB#0 | NV | -20 | -18.60 | -0.0073 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 6RB#0 | NV | -10 | -2.60 | -0.0010 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 6RB#0 | NV | 0 | 20.80 | 0.0081 | ±2.5 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 6RB#0 | NV | 10 | -20.80 | -0.0081 | ±2.5 | PASS |
| Band12 | 20MHz | QPSK | 23130 | 6RB#0 | NV | 20 | -21.50 | -0.0084 | ±2.5 | PASS |
| Band12 | 20MHz | QPSK | 23130 | 6RB#0 | NV | 30 | 24.30 | 0.0095 | ±2.5 | PASS |
| Band12 | 20MHz | QPSK | 23130 | 6RB#0 | NV | 40 | 2.00 | 0.0008 | ±2.5 | PASS |
| Band12 | 20MHz | QPSK | 23130 | 6RB#0 | NV | 50 | 16.10 | 0.0063 | ±2.5 | PASS |

## MAX Deviation calculation

| Frequency Stability | Frequency (MHz) | Limit Line(MHz) | Result |
|---|---|---|---|
| fL-\|MAX(△f)\| | 703.4519716 | ≥699 | PASS |
| fH+\|MAX(△f)\| | 711.54747 | ≤716 | |

Note：1. |MAX(△ f)| = Max Deviation
2. fL = Occ low channel fl(-13dBm/MHz)
3. fH = Occ High channel fH(-13dBm/MHz)
4. |MAX(△ f)| =28.4Hz.

**--END--**