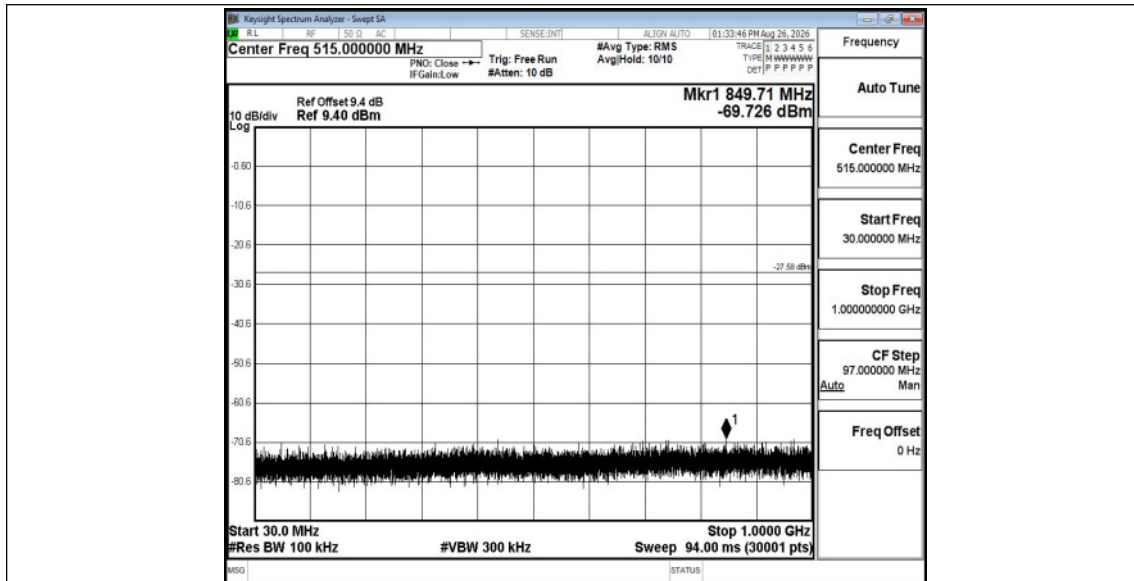
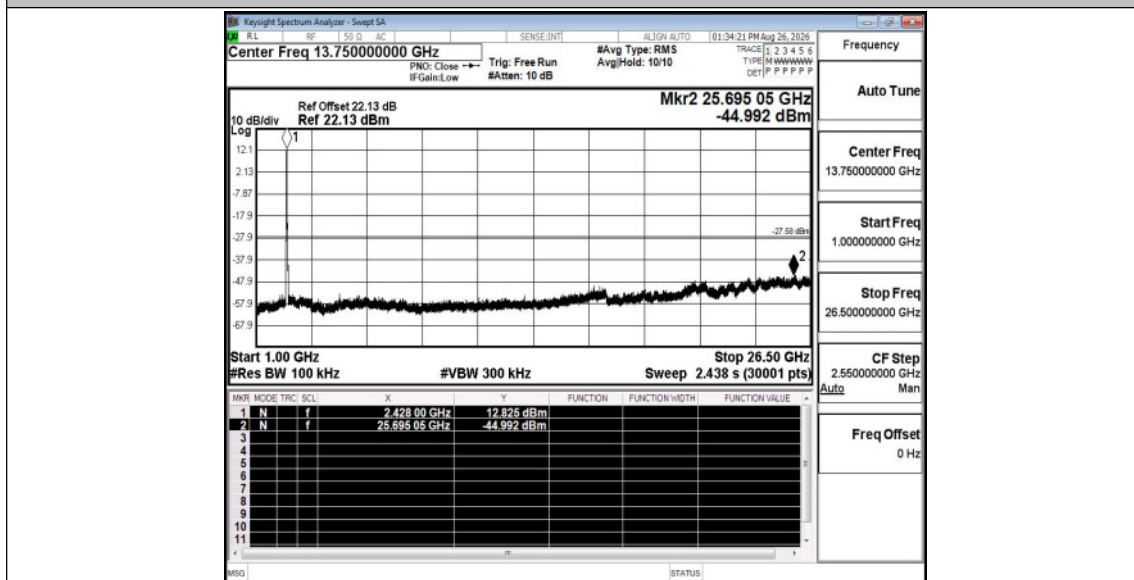
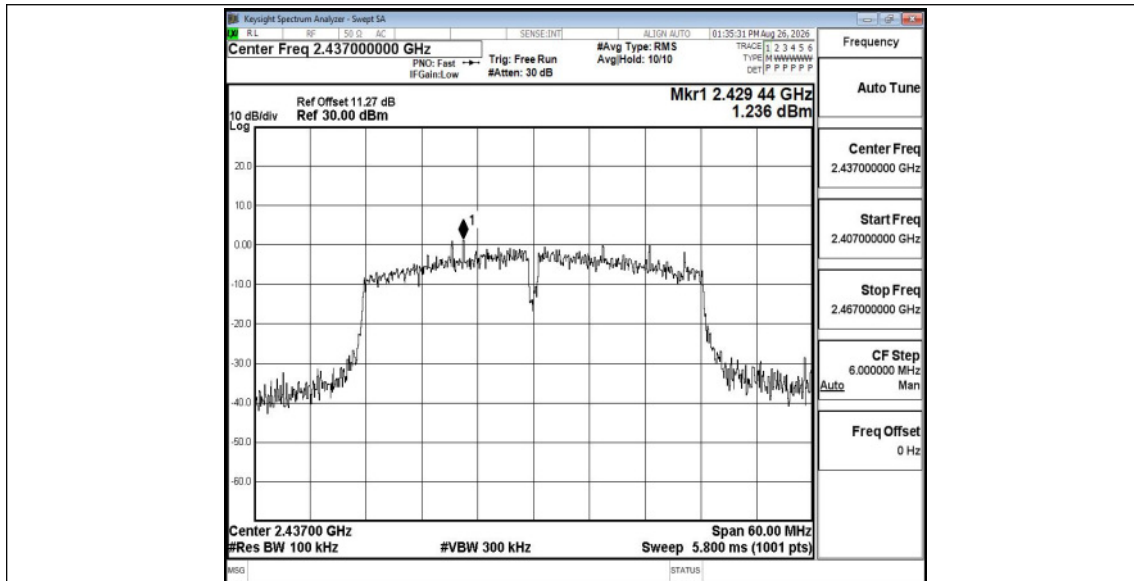




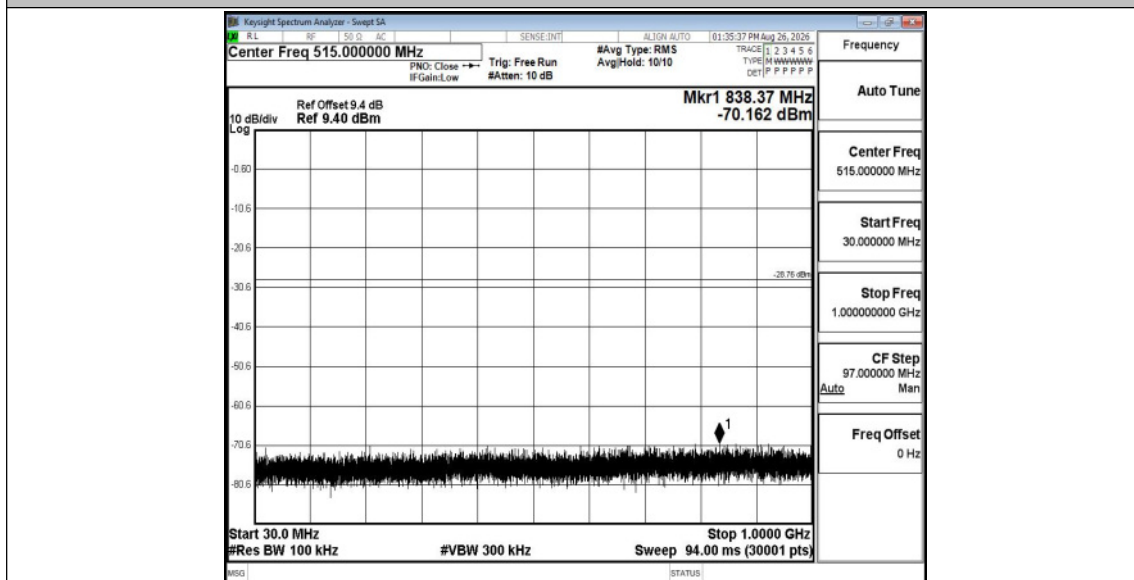
11N40SISO\_Ant1\_2422\_1000~26500



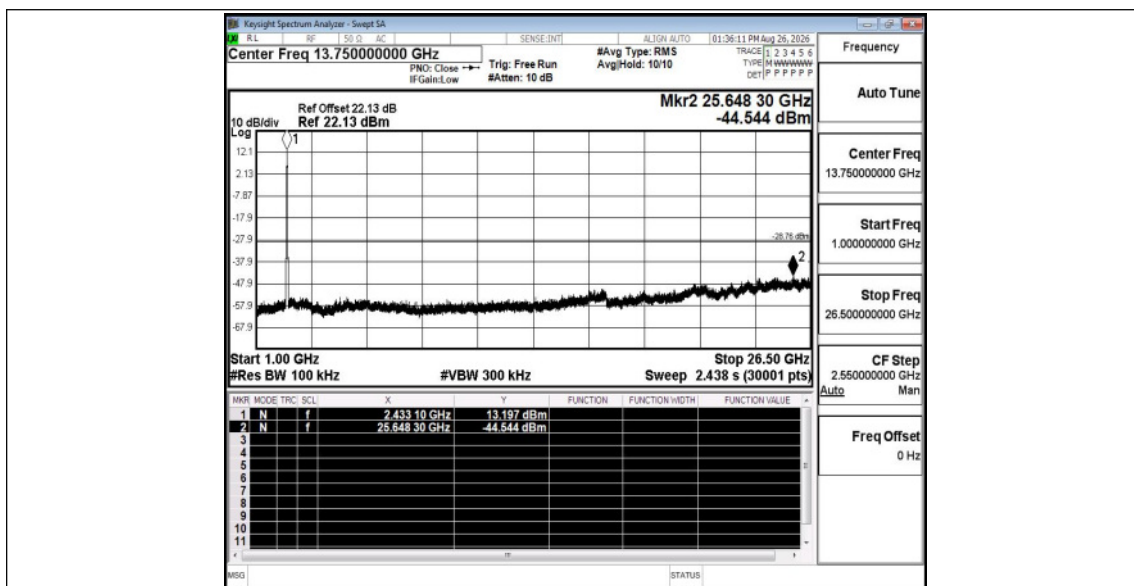
11N40SISO\_Ant1\_2437\_0~Reference



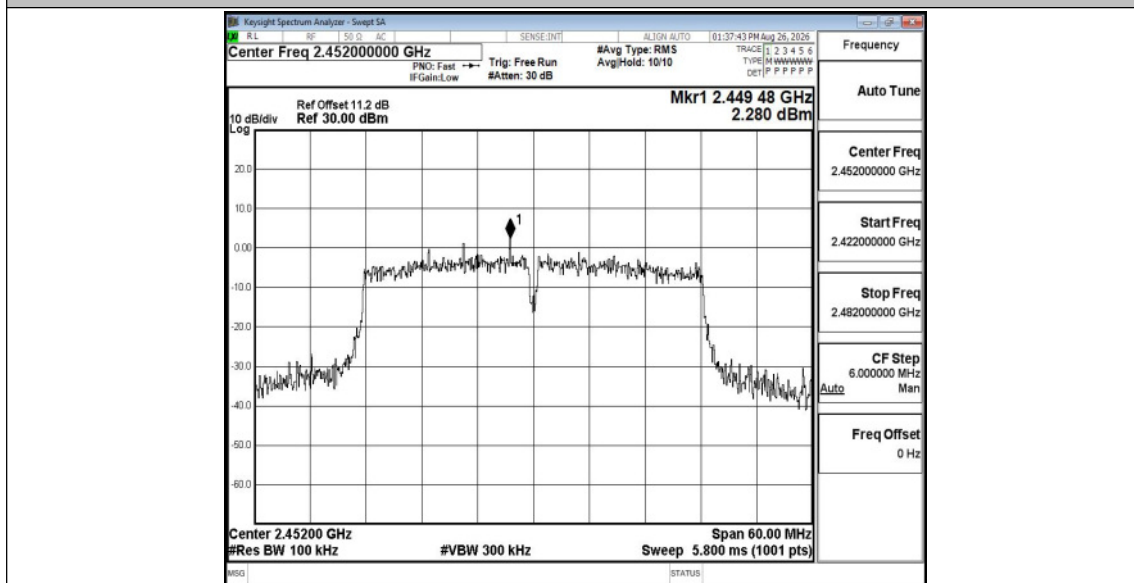
11N40SISO\_Ant1\_2437\_30~1000



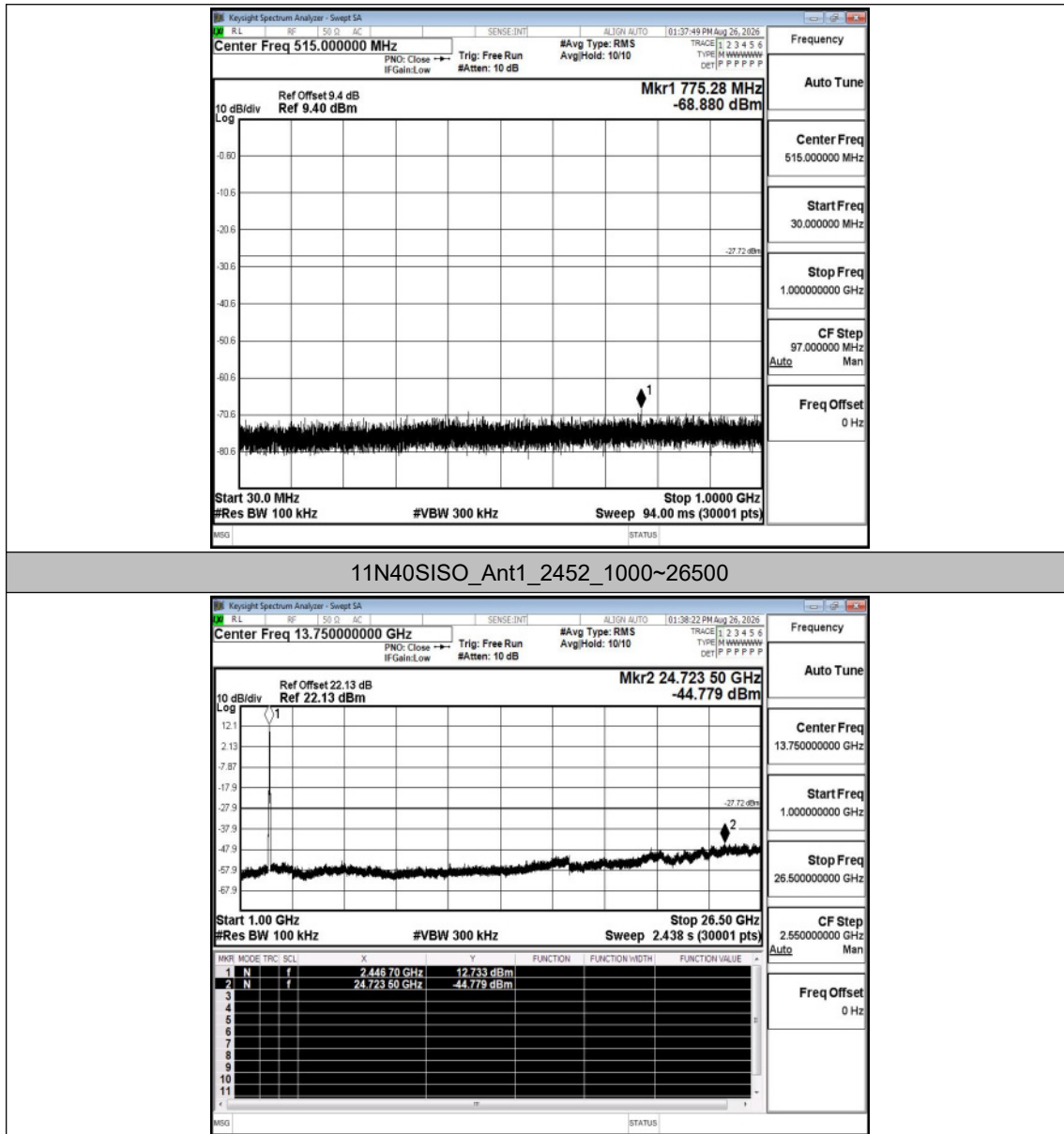
11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000



11N40SISO\_Ant1\_2452\_1000~26500

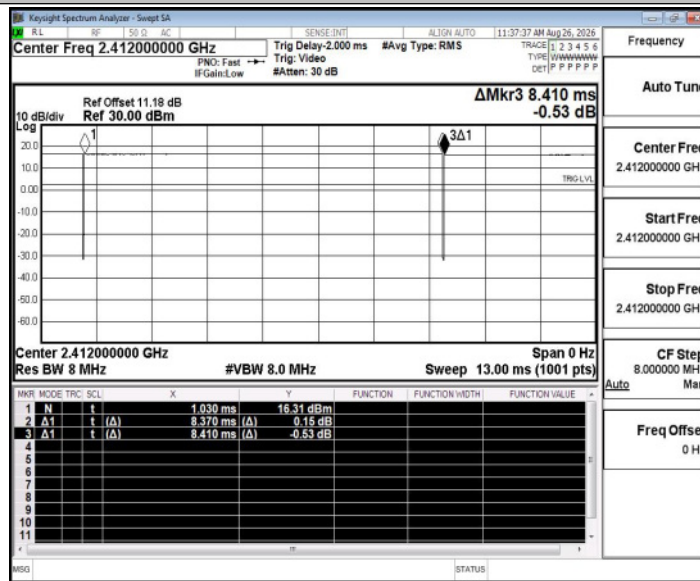
## B.6 Duty Cycle

### Test Result

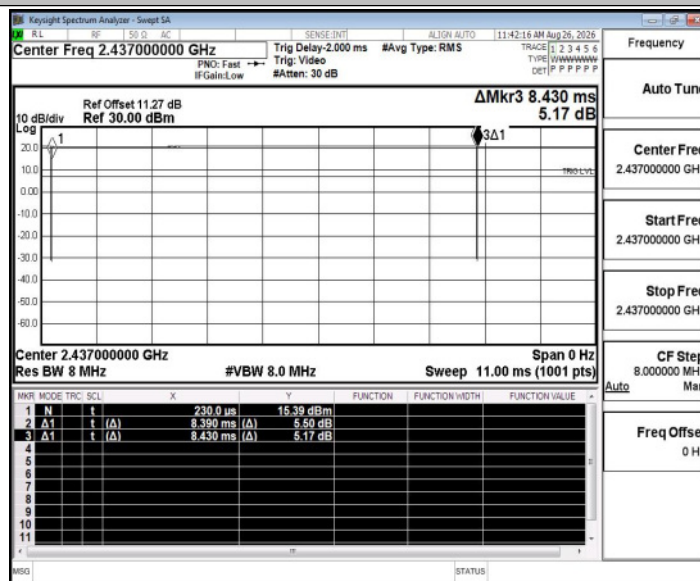
| TestMode  | Antenna | Frequency[MHz] | Transmission<br>Duration<br>[ms] | Transmission<br>Period [ms] | Duty Cycle<br>[%] | xFactor |
|-----------|---------|----------------|----------------------------------|-----------------------------|-------------------|---------|
| 11B       | Ant1    | 2412           | 8.37                             | 8.41                        | 99.52             | 0.02    |
|           |         | 2437           | 8.39                             | 8.43                        | 99.53             | 0.02    |
|           |         | 2462           | 8.39                             | 8.43                        | 99.53             | 0.02    |
| 11G       | Ant1    | 2412           | 1.39                             | 1.44                        | 96.53             | 0.15    |
|           |         | 2437           | 1.39                             | 1.44                        | 96.53             | 0.15    |
|           |         | 2462           | 1.40                             | 1.44                        | 97.22             | 0.12    |
| 11N20SISO | Ant1    | 2412           | 1.30                             | 1.34                        | 97.01             | 0.13    |
|           |         | 2437           | 1.30                             | 1.35                        | 96.30             | 0.16    |
|           |         | 2462           | 1.30                             | 1.35                        | 96.30             | 0.16    |
| 11N40SISO | Ant1    | 2422           | 0.65                             | 0.70                        | 92.86             | 0.32    |
|           |         | 2437           | 0.65                             | 0.69                        | 94.20             | 0.26    |
|           |         | 2452           | 0.65                             | 0.69                        | 94.20             | 0.26    |

## Test Graphs

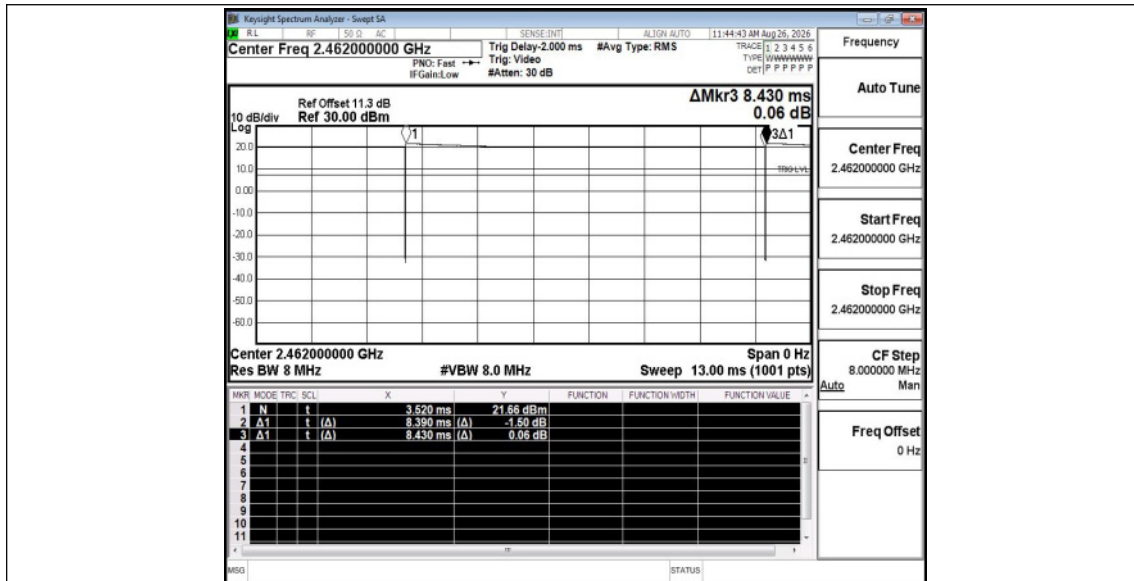
11B\_Ant1\_2412



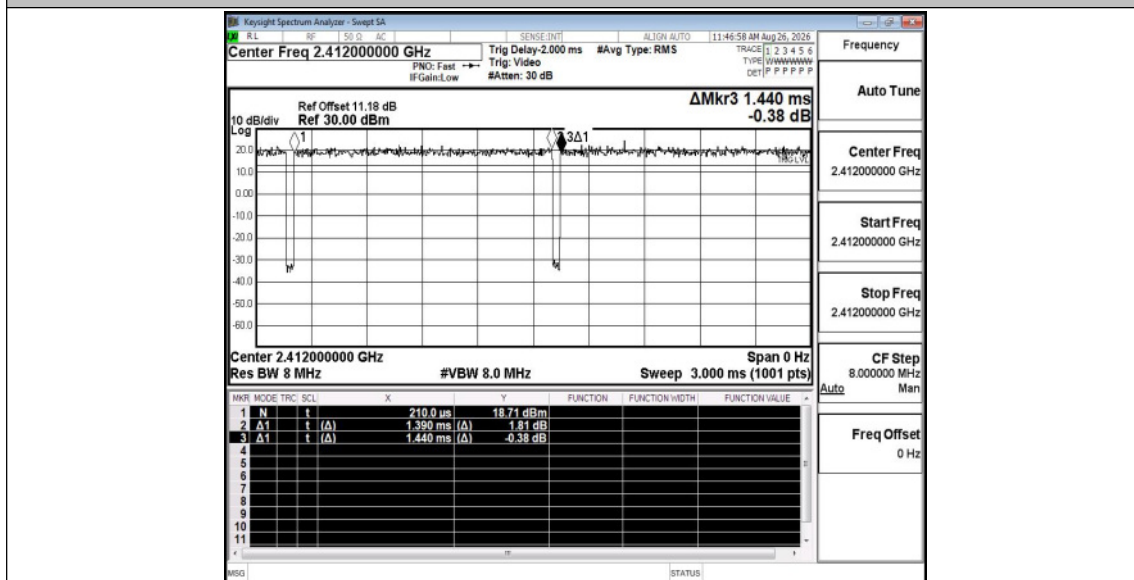
11B\_Ant1\_2437



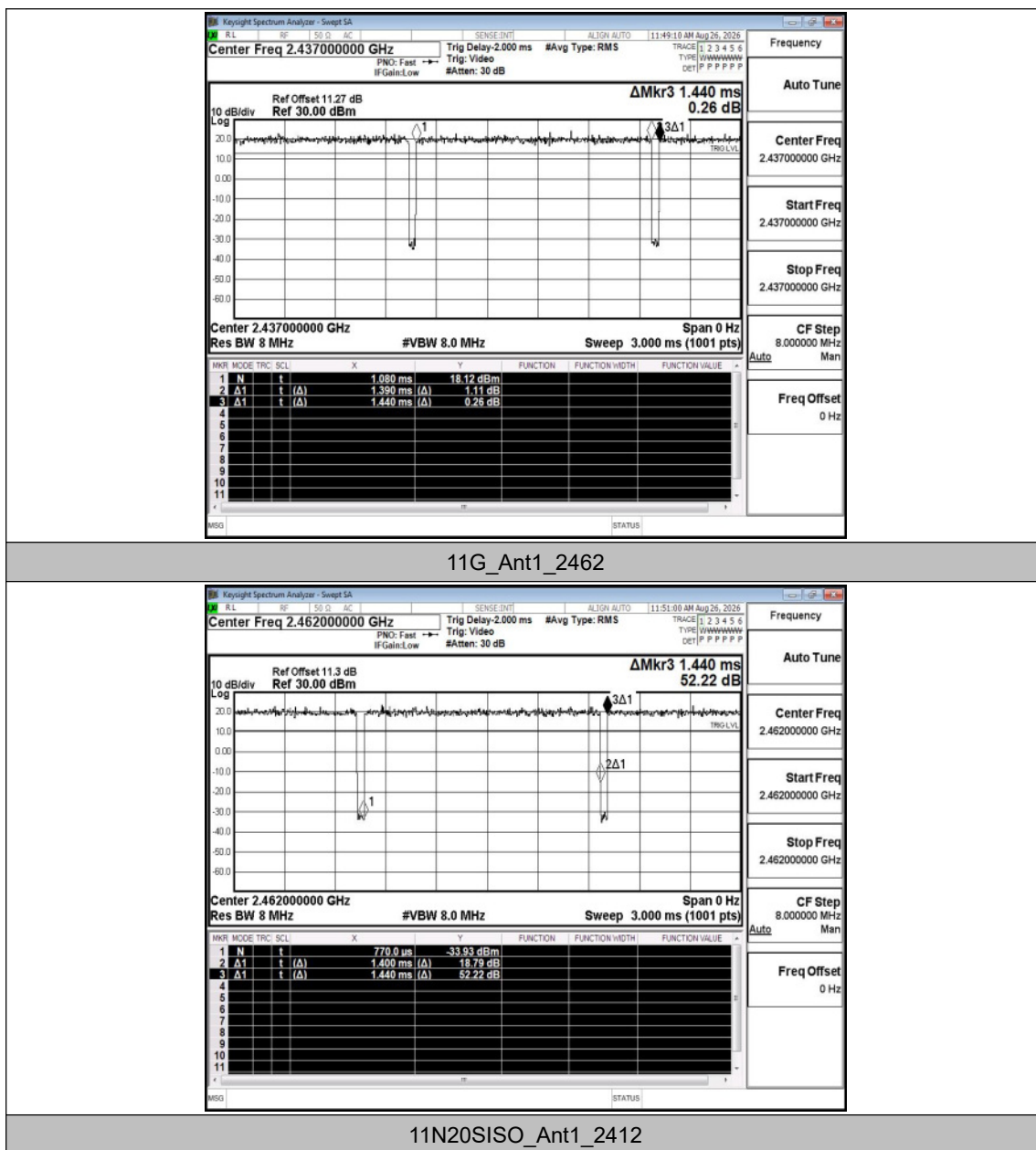
11B\_Ant1\_2462

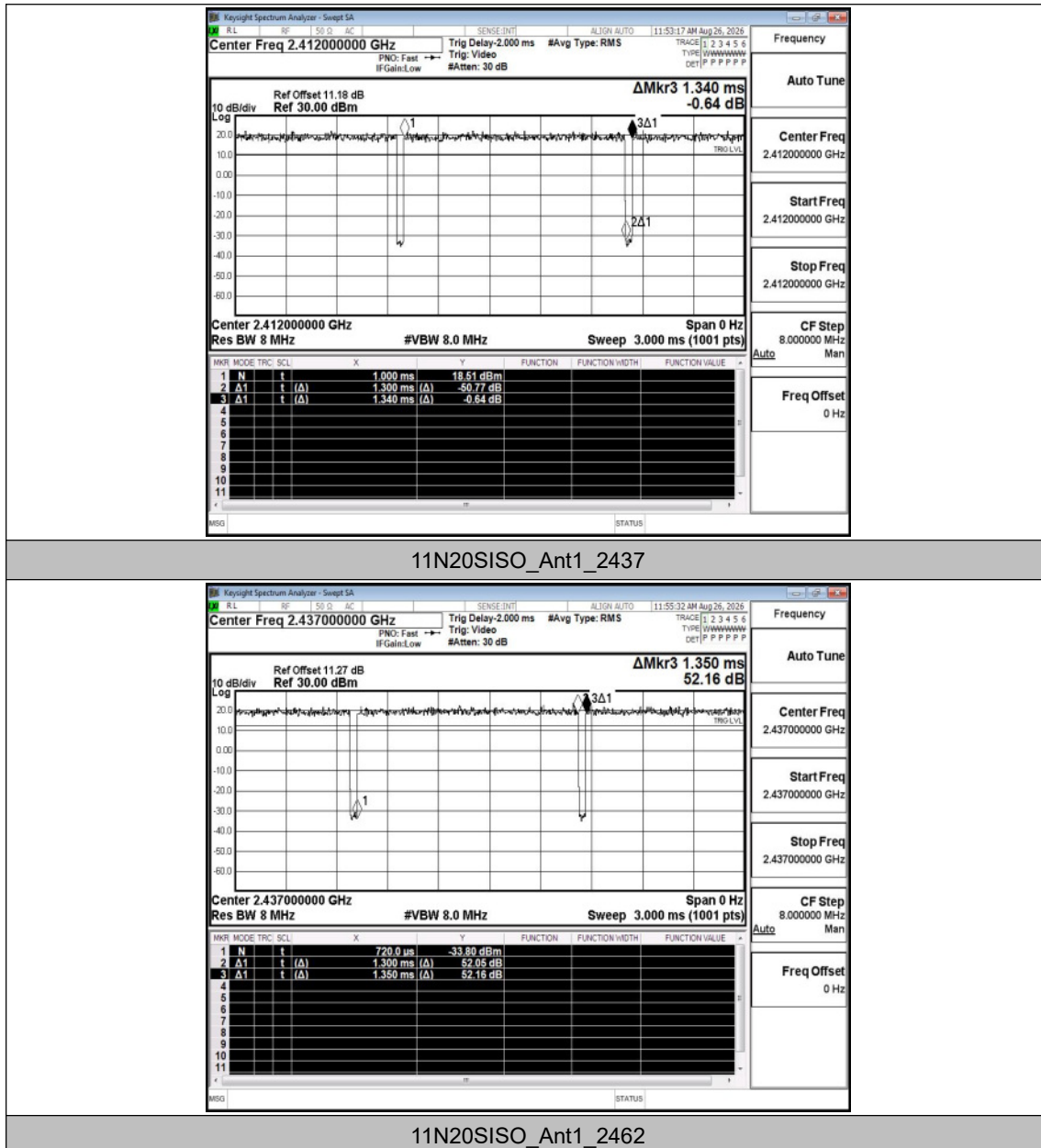


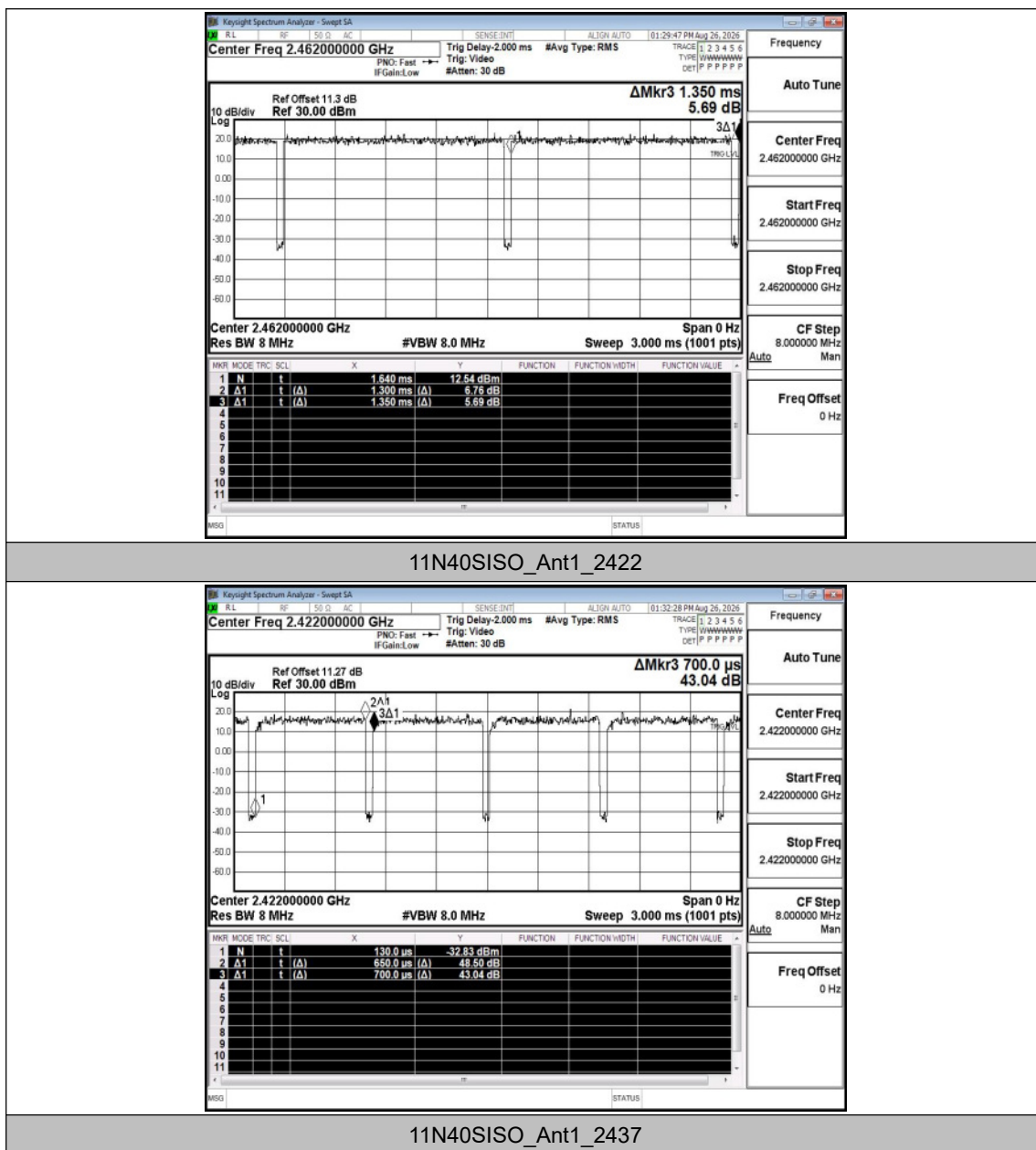
11G\_Ant1\_2412

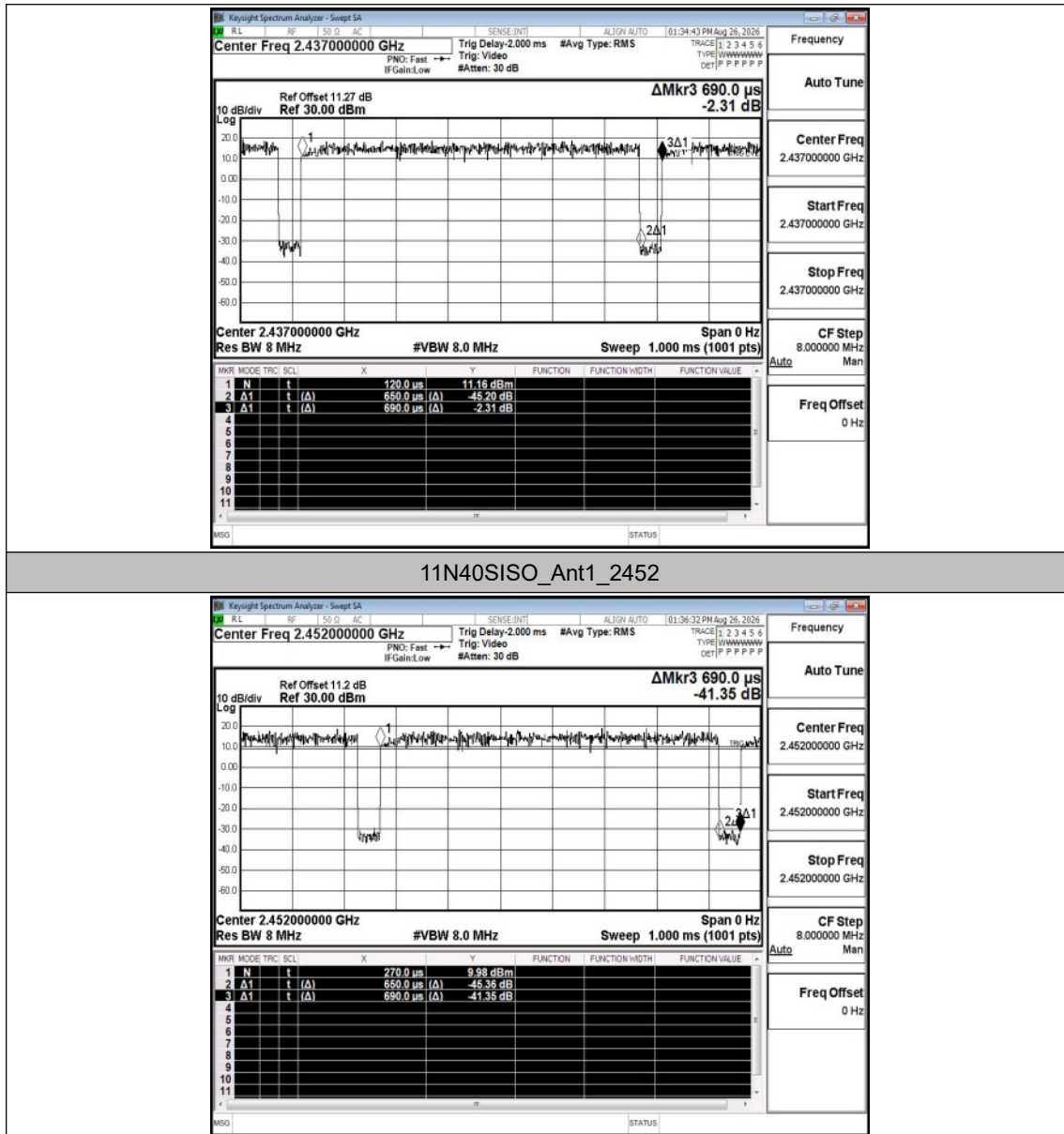


11G\_Ant1\_2437









## B.7 Emissions in Restricted Bands

### Test Result

| TestMode  | Antenna | ChName | Frequency[MHz] | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Gain [dBi] | DC Factor [dB] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|-----------|---------|--------|----------------|----------|------------|--------------|-------------|------------|----------------|-----------------|----------------|---------|
| 11B       | Ant1    | Low    | 2412           | AV       | 2310.000   | -57.19       | ≤-47.22     | 2.00       | 0.02           | 40.03           | ≤54            | PASS    |
|           |         |        |                | AV       | 2387.360   | -55.2        | ≤-47.22     | 2.00       | 0.02           | 42.02           | ≤54            | PASS    |
|           |         |        |                | AV       | 2390.000   | -57.17       | ≤-47.22     | 2.00       | 0.02           | 40.05           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2310.000   | -52.88       | ≤-27.20     | 2.00       | 0              | 44.32           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2367.860   | -46.77       | ≤-27.20     | 2.00       | 0              | 50.43           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2390.000   | -51.92       | ≤-27.20     | 2.00       | 0              | 45.28           | ≤74            | PASS    |
|           |         | High   | 2462           | AV       | 2483.500   | -57.39       | ≤-47.22     | 2.00       | 0.02           | 39.83           | ≤54            | PASS    |
|           |         |        |                | AV       | 2489.390   | -54.52       | ≤-47.22     | 2.00       | 0.02           | 42.70           | ≤54            | PASS    |
|           |         |        |                | AV       | 2500.000   | -56          | ≤-47.22     | 2.00       | 0.02           | 41.22           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2483.500   | -52.75       | ≤-27.20     | 2.00       | 0              | 44.45           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2489.720   | -47.6        | ≤-27.20     | 2.00       | 0              | 49.60           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2500.000   | -51.89       | ≤-27.20     | 2.00       | 0              | 45.31           | ≤74            | PASS    |
| 11G       | Ant1    | Low    | 2412           | AV       | 2310.000   | -57.95       | ≤-47.35     | 2.00       | 0.15           | 39.40           | ≤54            | PASS    |
|           |         |        |                | AV       | 2389.830   | -51.26       | ≤-47.35     | 2.00       | 0.15           | 46.09           | ≤54            | PASS    |
|           |         |        |                | AV       | 2390.000   | -51.35       | ≤-47.35     | 2.00       | 0.15           | 46.00           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2310.000   | -49.35       | ≤-27.20     | 2.00       | 0              | 47.85           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2389.830   | -40.54       | ≤-27.20     | 2.00       | 0              | 56.66           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2390.000   | -41.48       | ≤-27.20     | 2.00       | 0              | 55.72           | ≤74            | PASS    |
|           |         | High   | 2462           | AV       | 2483.500   | -52.28       | ≤-47.32     | 2.00       | 0.12           | 45.04           | ≤54            | PASS    |
|           |         |        |                | AV       | 2484.000   | -51.54       | ≤-47.32     | 2.00       | 0.12           | 45.78           | ≤54            | PASS    |
|           |         |        |                | AV       | 2500.000   | -55.04       | ≤-47.32     | 2.00       | 0.12           | 42.28           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2483.500   | -39.87       | ≤-27.20     | 2.00       | 0              | 57.33           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2484.110   | -40.61       | ≤-27.20     | 2.00       | 0              | 56.59           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2500.000   | -46.02       | ≤-27.20     | 2.00       | 0              | 51.18           | ≤74            | PASS    |
| 11N20SISO | Ant1    | Low    | 2412           | AV       | 2310.000   | -57.95       | ≤-47.33     | 2.00       | 0.13           | 39.38           | ≤54            | PASS    |
|           |         |        |                | AV       | 2389.960   | -52.4        | ≤-47.33     | 2.00       | 0.13           | 44.93           | ≤54            | PASS    |
|           |         |        |                | AV       | 2390.000   | -52.41       | ≤-47.33     | 2.00       | 0.13           | 44.92           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2310.000   | -50.64       | ≤-27.20     | 2.00       | 0              | 46.56           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2389.050   | -38.91       | ≤-27.20     | 2.00       | 0              | 58.29           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2390.000   | -44.04       | ≤-27.20     | 2.00       | 0              | 53.16           | ≤74            | PASS    |
|           |         | High   | 2462           | AV       | 2483.500   | -51.38       | ≤-47.36     | 2.00       | 0.16           | 45.98           | ≤54            | PASS    |
|           |         |        |                | AV       | 2483.890   | -50.59       | ≤-47.36     | 2.00       | 0.16           | 46.77           | ≤54            | PASS    |
|           |         |        |                | AV       | 2500.000   | -55.53       | ≤-47.36     | 2.00       | 0.16           | 41.83           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2483.500   | -41.84       | ≤-27.20     | 2.00       | 0              | 55.36           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2485.540   | -38.79       | ≤-27.20     | 2.00       | 0              | 58.41           | ≤74            | PASS    |

Guangzhou LCS Compliance Testing Laboratory Ltd.

Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

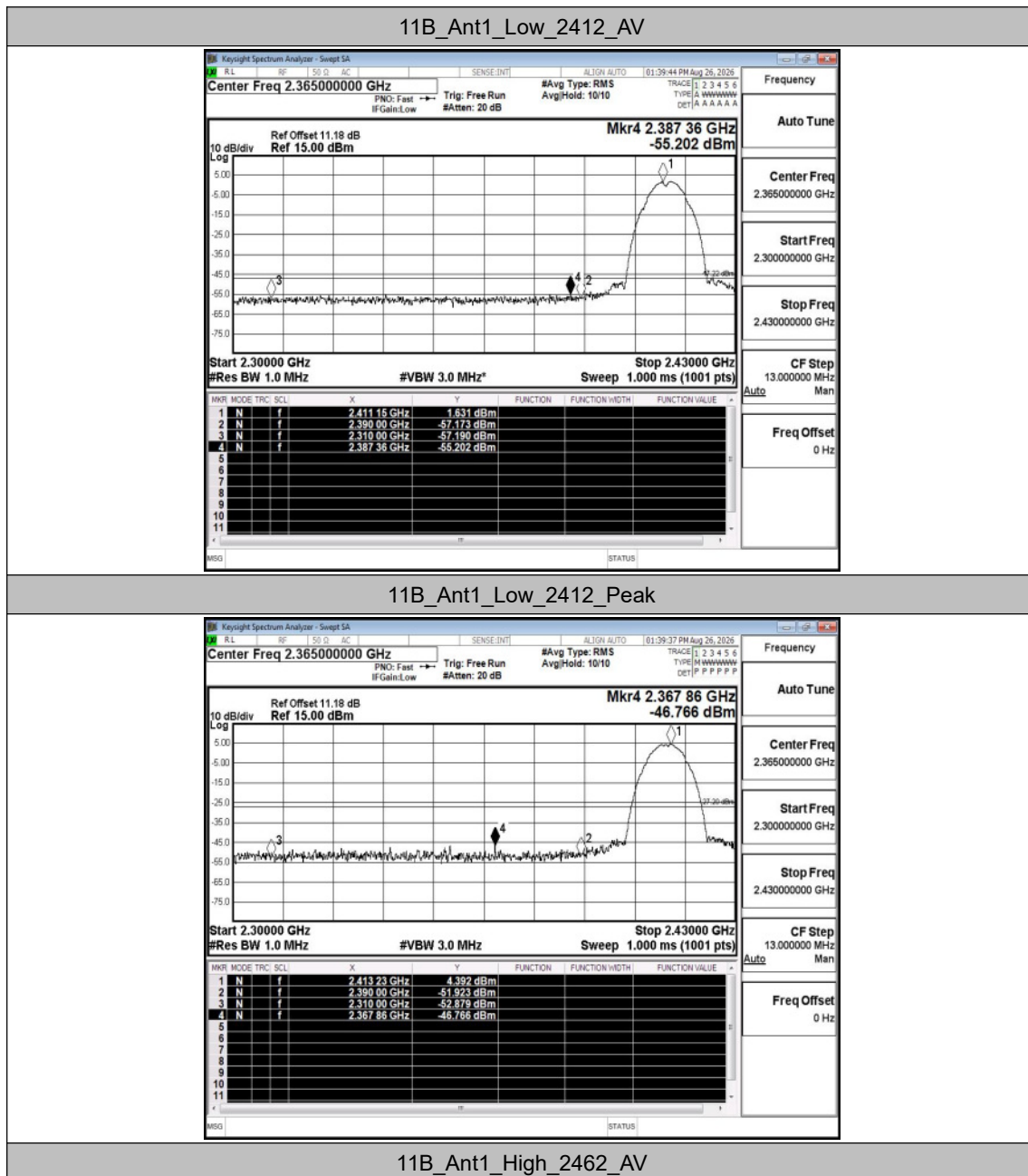
Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

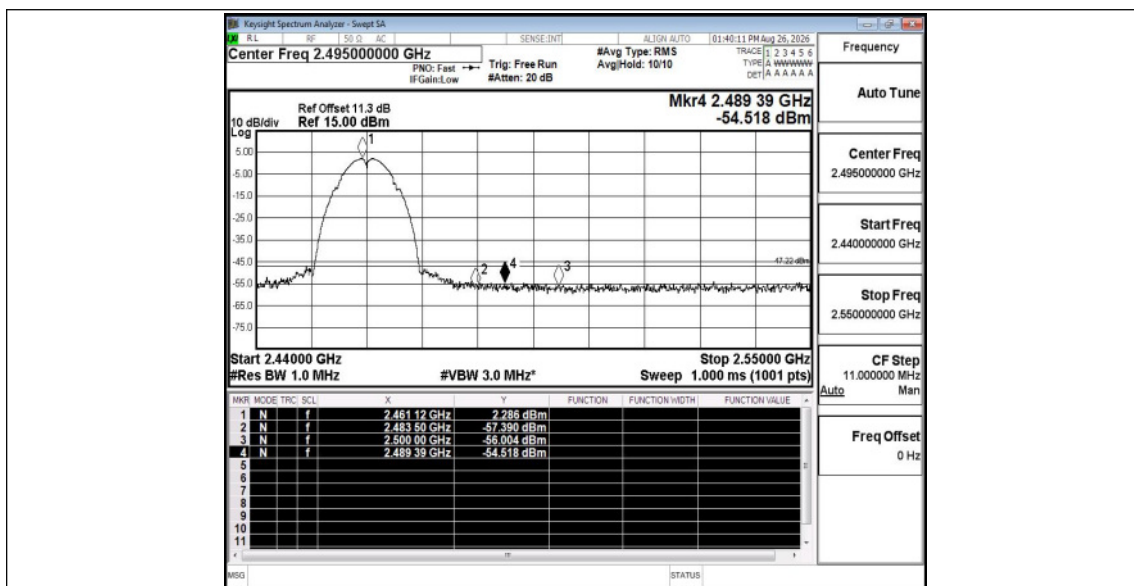
|           |      |      |      |      |          |        |         |      |      |       |     |      |
|-----------|------|------|------|------|----------|--------|---------|------|------|-------|-----|------|
|           |      |      |      | Peak | 2500.000 | -46.9  | ≤-27.20 | 2.00 | 0    | 50.30 | ≤74 | PASS |
| 11N40SISO | Ant1 | Low  | 2422 | AV   | 2310.000 | -58.29 | ≤-47.52 | 2.00 | 0.32 | 39.23 | ≤54 | PASS |
|           |      |      |      | AV   | 2389.400 | -49.95 | ≤-47.52 | 2.00 | 0.32 | 47.57 | ≤54 | PASS |
|           |      |      |      | AV   | 2390.000 | -50.86 | ≤-47.52 | 2.00 | 0.32 | 46.66 | ≤54 | PASS |
|           |      |      |      | Peak | 2310.000 | -48.92 | ≤-27.20 | 2.00 | 0    | 48.28 | ≤74 | PASS |
|           |      |      |      | Peak | 2389.550 | -33.84 | ≤-27.20 | 2.00 | 0    | 63.36 | ≤74 | PASS |
|           |      |      |      | Peak | 2390.000 | -38.1  | ≤-27.20 | 2.00 | 0    | 59.10 | ≤74 | PASS |
|           |      | High | 2452 | AV   | 2483.500 | -47.71 | ≤-47.46 | 2.00 | 0.26 | 49.75 | ≤54 | PASS |
|           |      |      |      | AV   | 2485.250 | -47.56 | ≤-47.46 | 2.00 | 0.26 | 49.90 | ≤54 | PASS |
|           |      |      |      | AV   | 2500.000 | -55.31 | ≤-47.46 | 2.00 | 0.26 | 42.15 | ≤54 | PASS |
|           |      |      |      | Peak | 2483.500 | -39.81 | ≤-27.20 | 2.00 | 0    | 57.39 | ≤74 | PASS |
|           |      |      |      | Peak | 2483.750 | -27.42 | ≤-27.20 | 2.00 | 0    | 69.78 | ≤74 | PASS |
|           |      |      |      | Peak | 2500.000 | -48.09 | ≤-27.20 | 2.00 | 0    | 49.11 | ≤74 | PASS |

## Note:

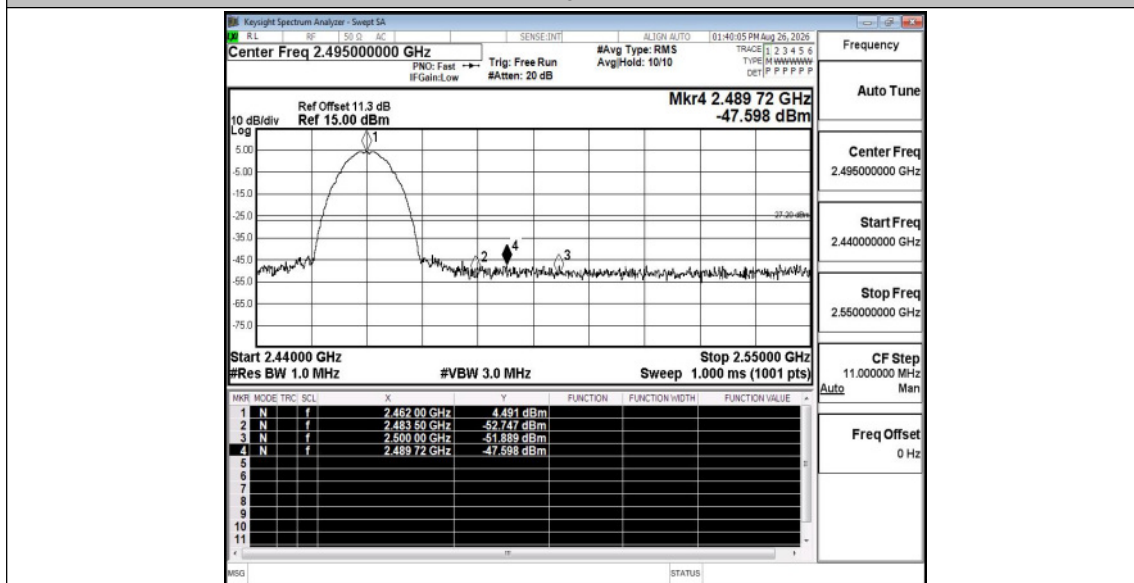
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

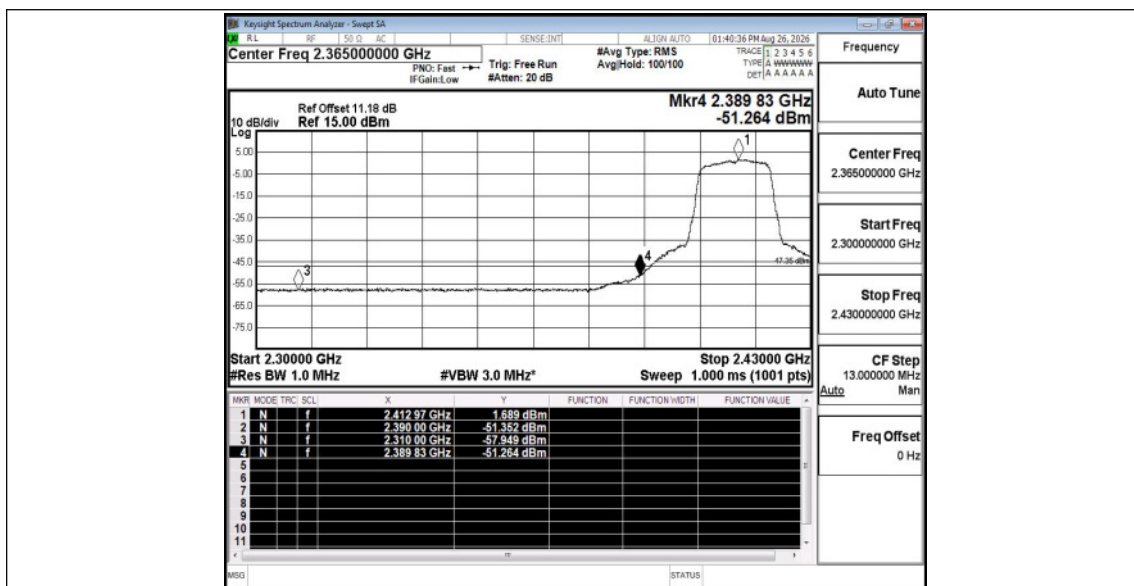




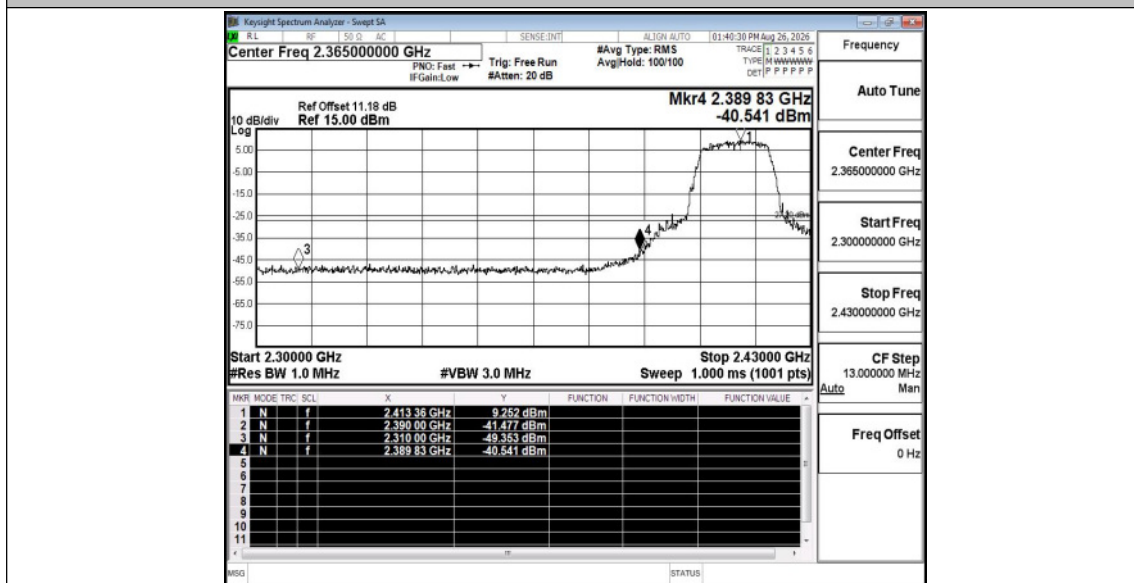
11B\_Ant1\_High\_2462\_Peak



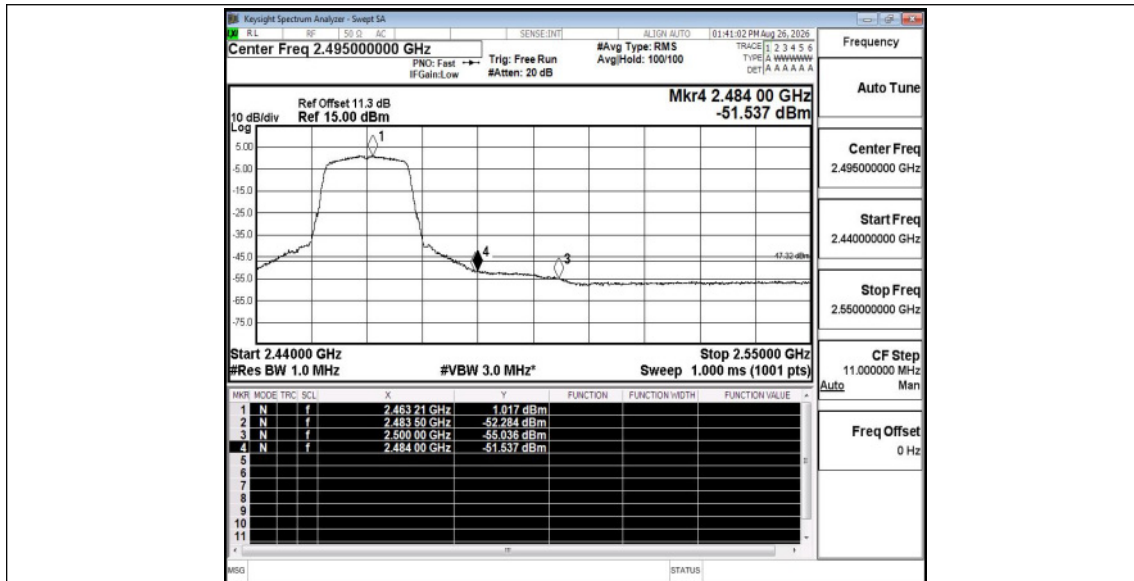
11G\_Ant1\_Low\_2412\_AV



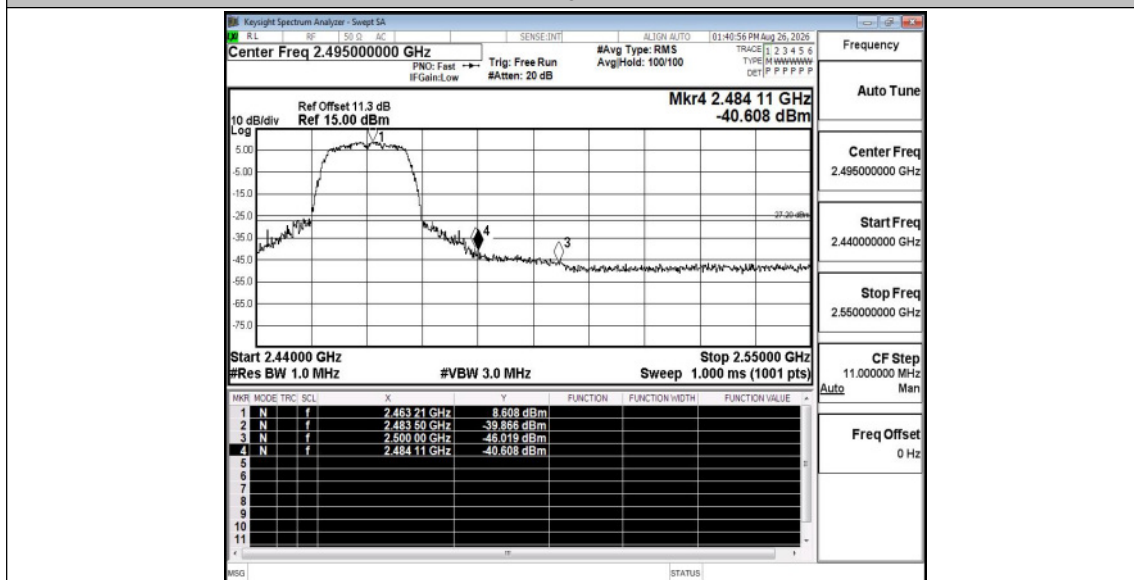
11G\_Ant1\_Low\_2412\_Peak



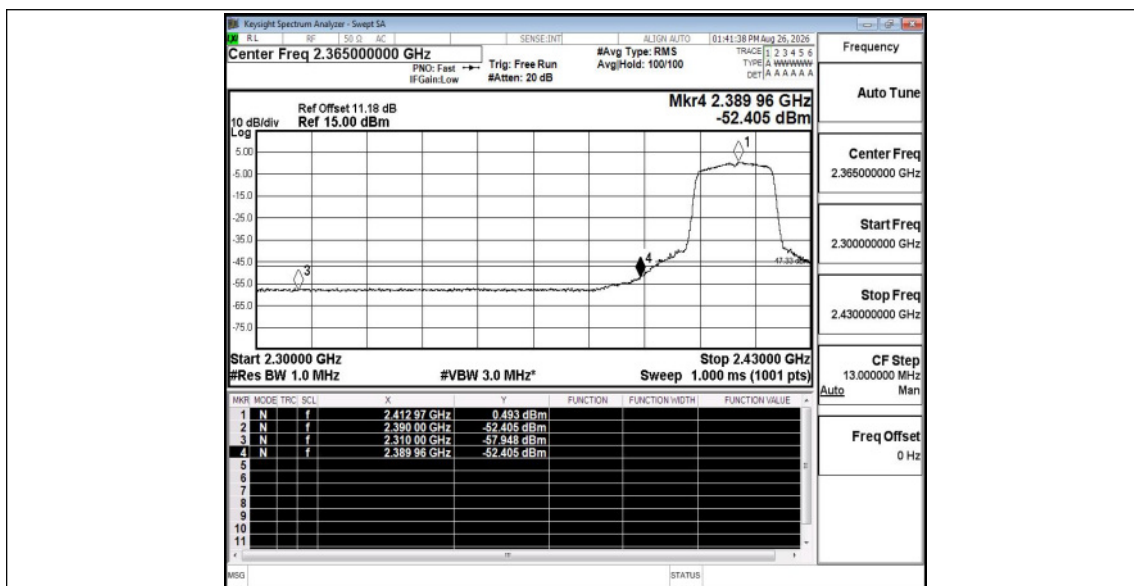
11G\_Ant1\_High\_2462\_AV



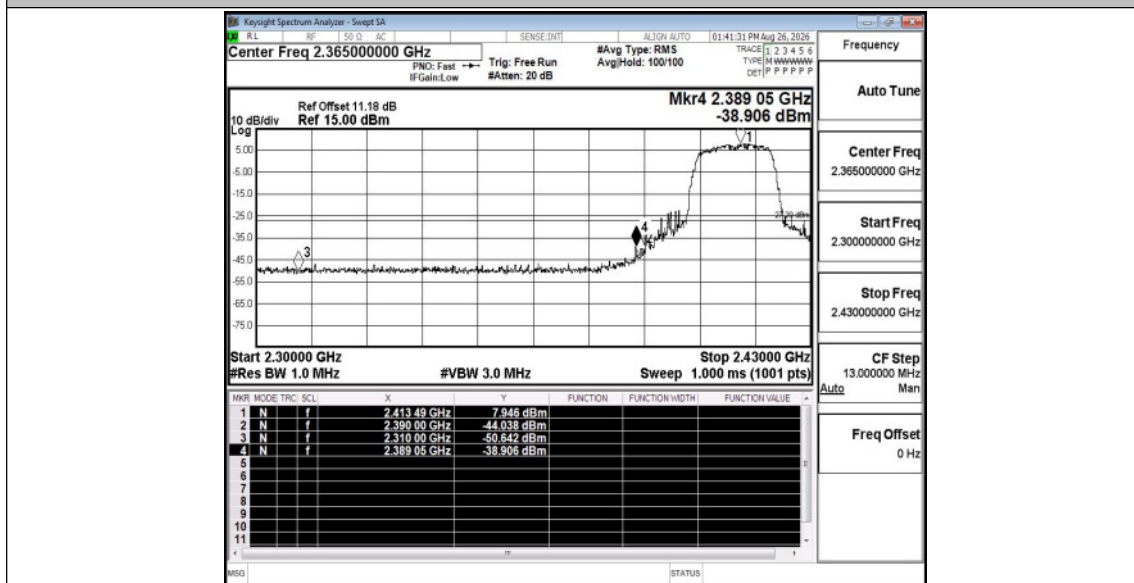
11G\_Ant1\_High\_2462\_Peak



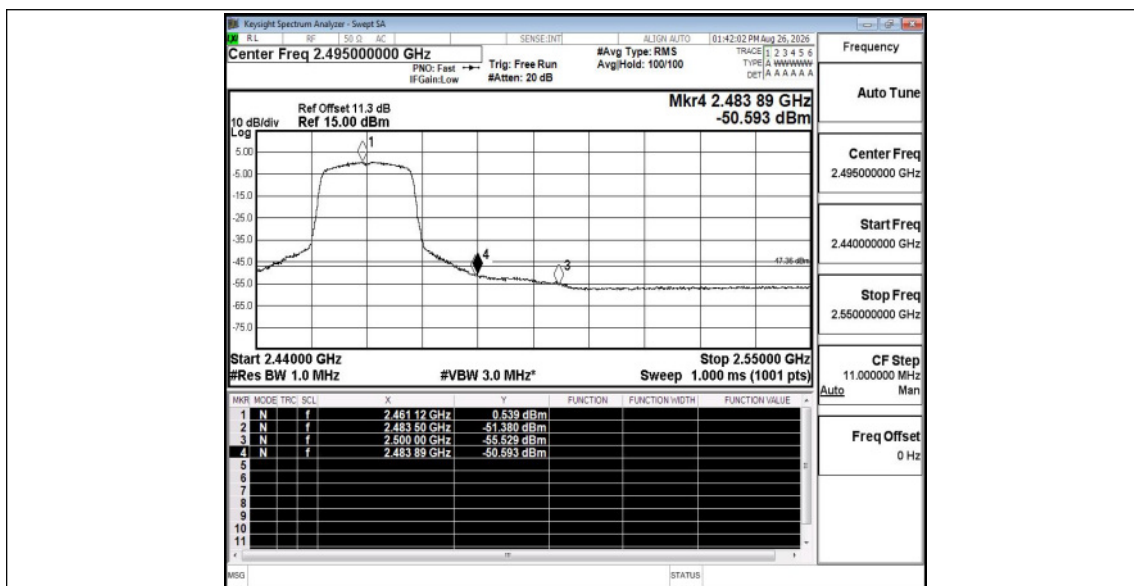
11N20SISO\_Ant1\_Low\_2412\_AV



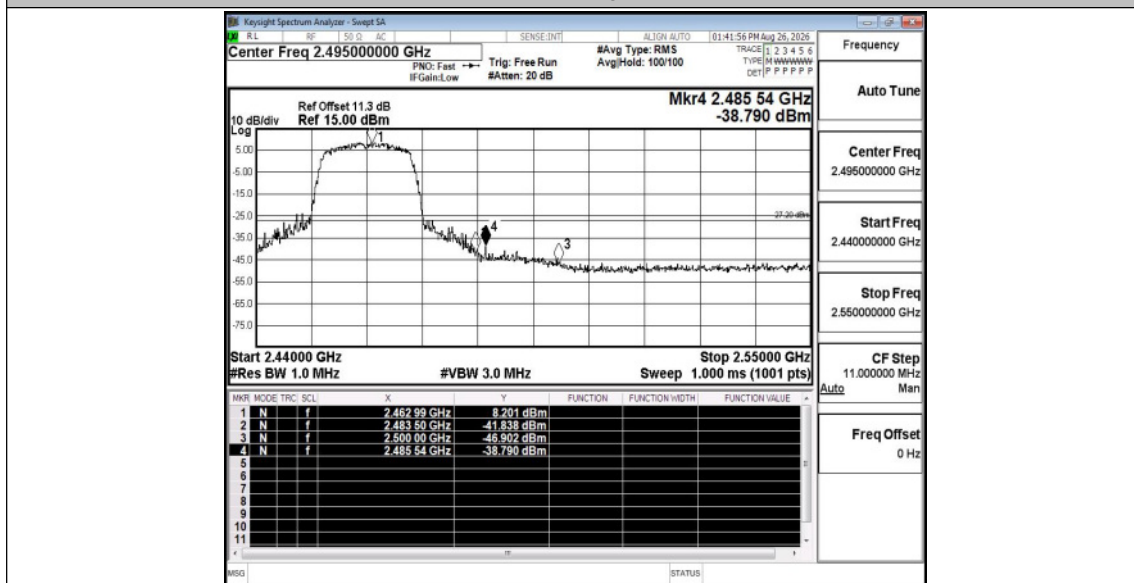
11N20SISO\_Ant1\_Low\_2412\_Peak



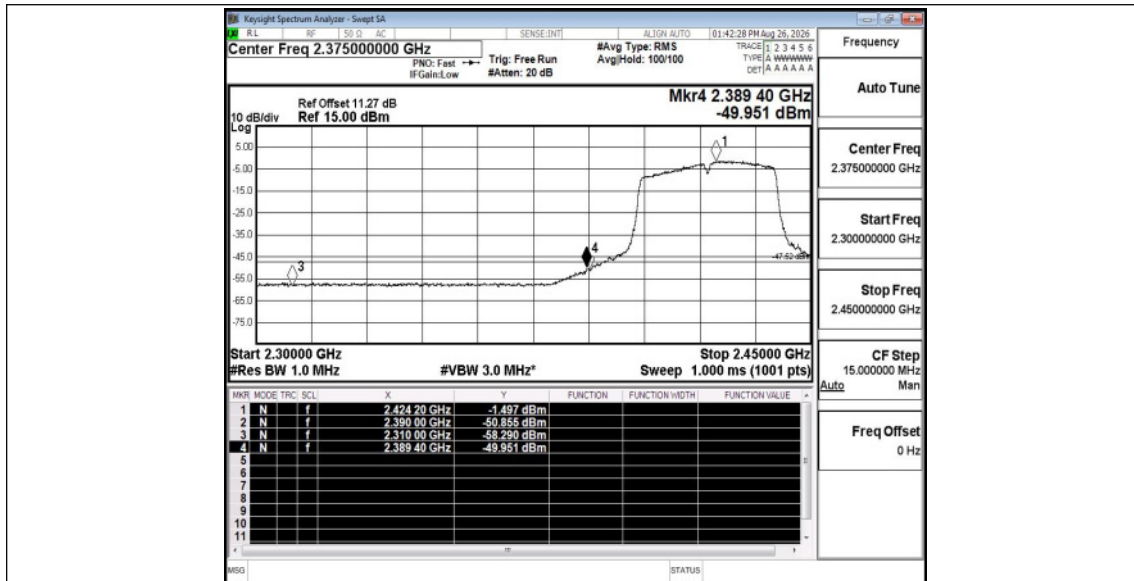
11N20SISO\_Ant1\_High\_2462\_AV



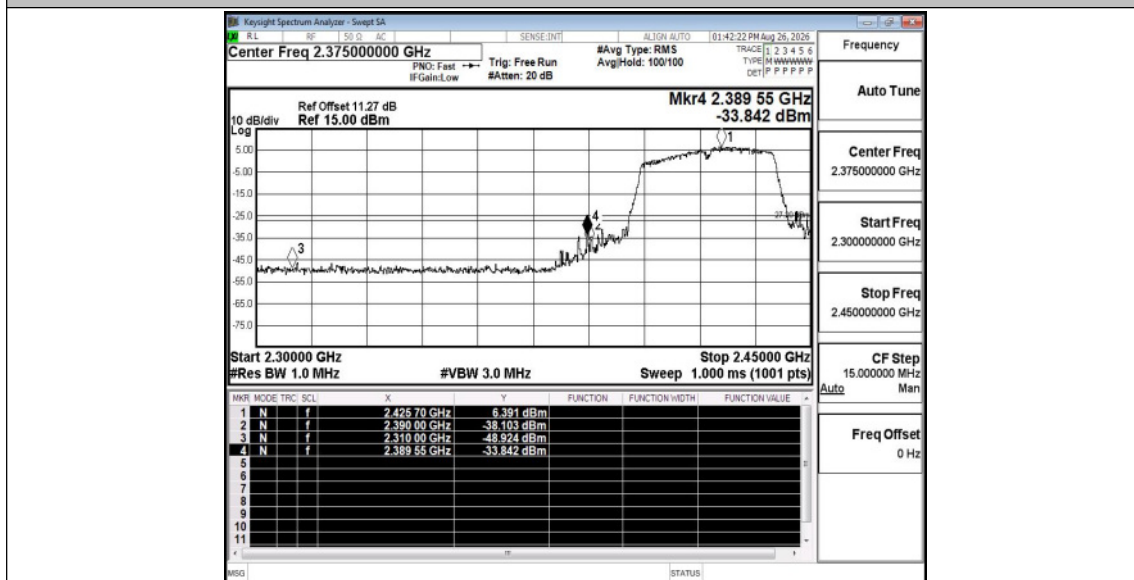
11N20SISO\_Ant1\_High\_2462\_Peak



11N40SISO\_Ant1\_Low\_2422\_AV



11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV

