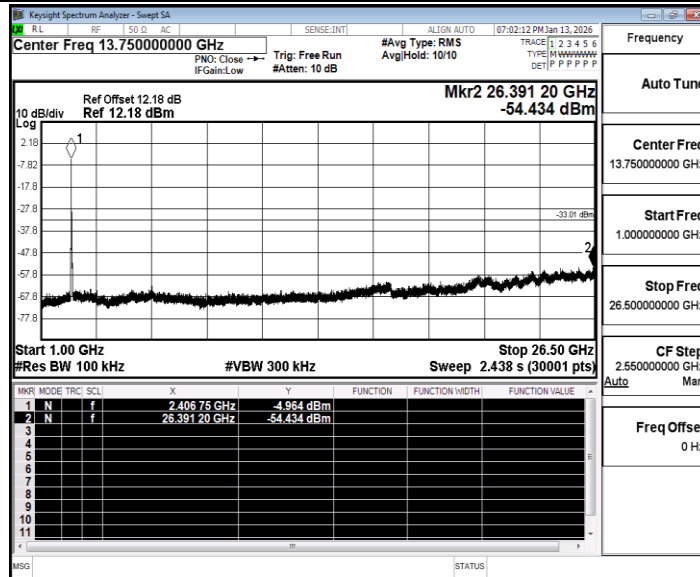
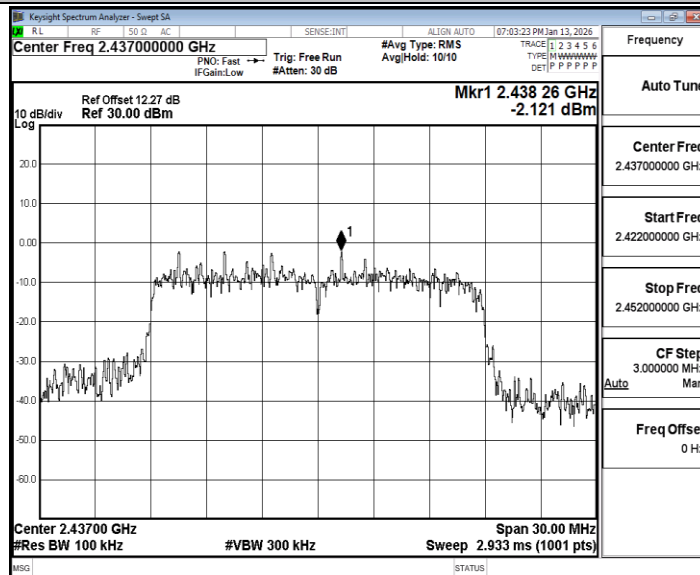
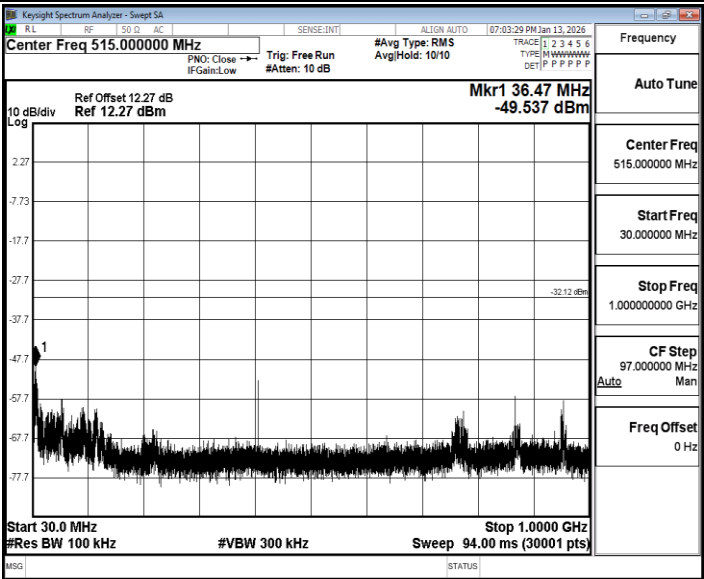




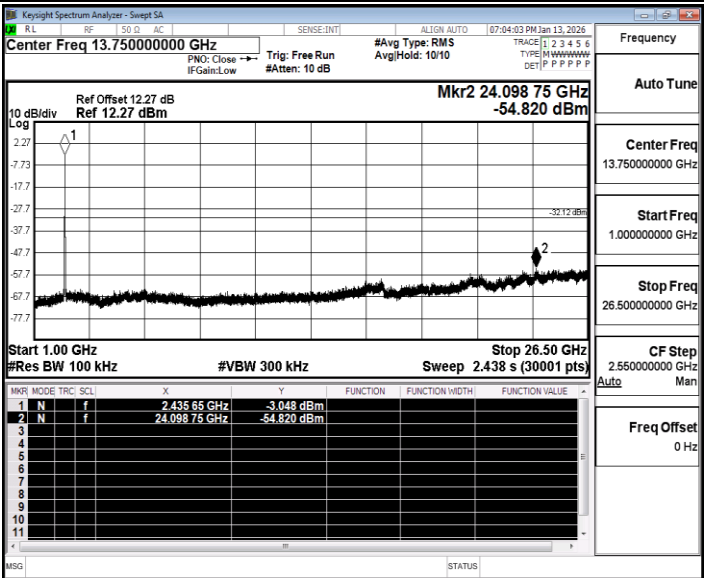
11N20SISO\_Ant1\_2437\_0~Reference



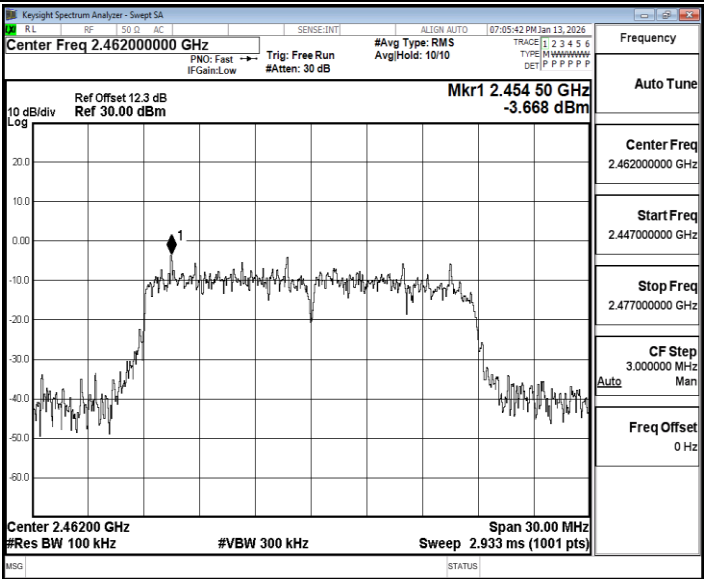
11N20SISO\_Ant1\_2437\_30~1000



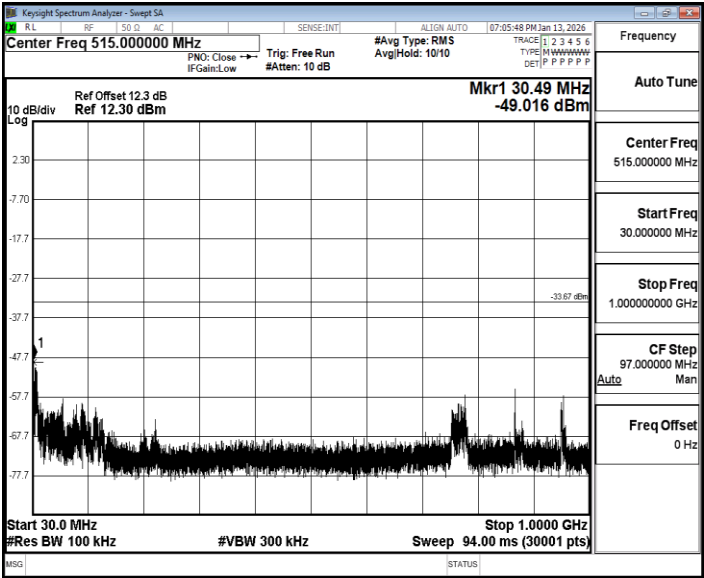
11N20SISO\_Ant1\_2437\_1000~26500



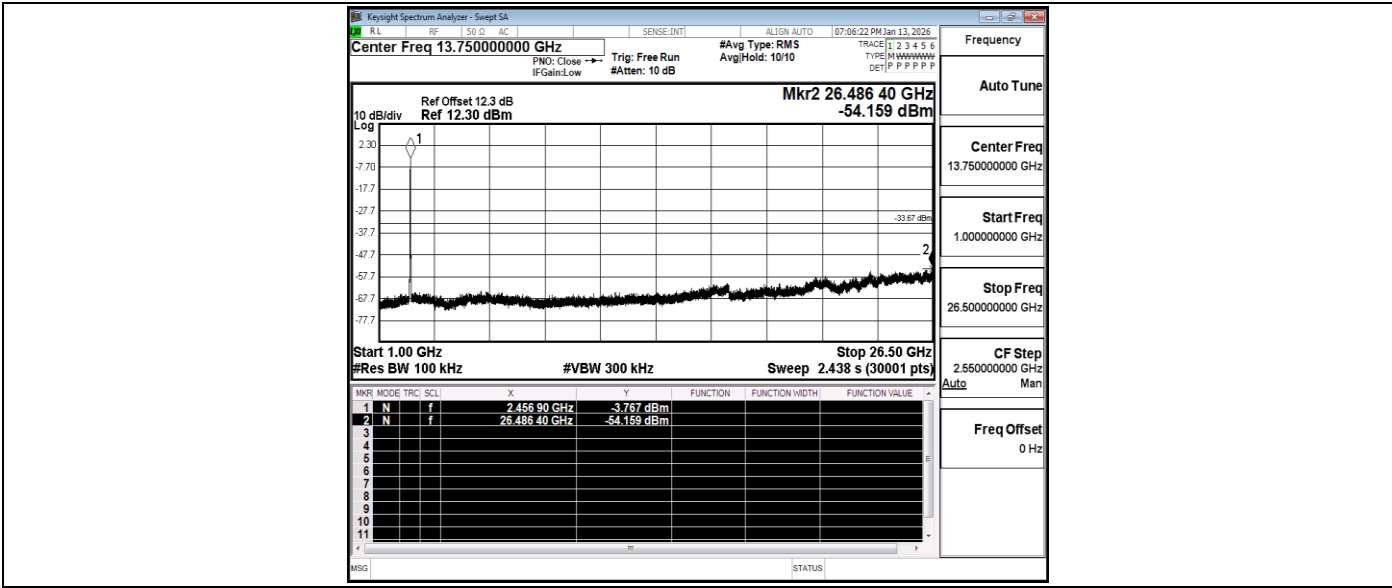
11N20SISO\_Ant1\_2462\_0~Reference



11N20SISO\_Ant1\_2462\_30~1000



11N20SISO\_Ant1\_2462\_1000~26500



## A.6 Duty Cycle

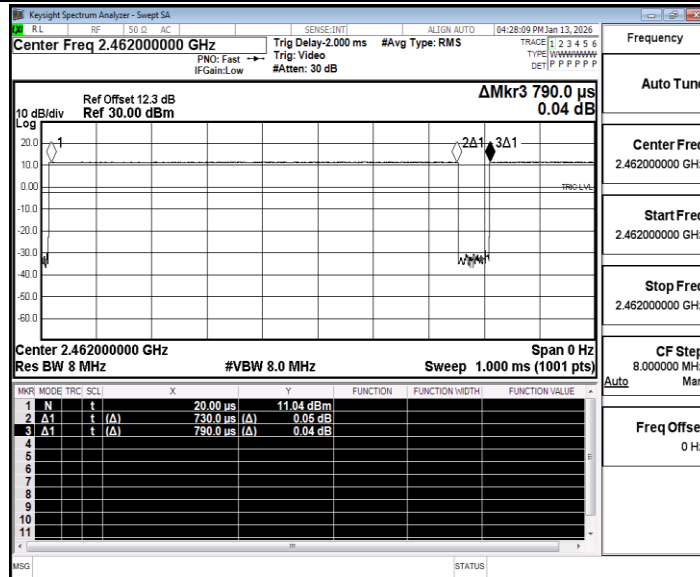
### Test Result

| TestMode  | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | xFactor |
|-----------|---------|----------------|----------------------------|--------------------------|----------------|---------|
| 11B       | Ant1    | 2412           | 0.74                       | 0.80                     | 92.50          | 0.34    |
|           |         | 2437           | 0.73                       | 0.79                     | 92.41          | 0.34    |
|           |         | 2462           | 0.73                       | 0.79                     | 92.41          | 0.34    |
| 11G       | Ant1    | 2412           | 0.12                       | 0.18                     | 66.67          | 1.76    |
|           |         | 2437           | 0.12                       | 0.18                     | 66.67          | 1.76    |
|           |         | 2462           | 0.12                       | 0.18                     | 66.67          | 1.76    |
| 11N20SISO | Ant1    | 2412           | 0.12                       | 0.18                     | 66.67          | 1.76    |
|           |         | 2437           | 0.11                       | 0.17                     | 64.71          | 1.89    |
|           |         | 2462           | 0.12                       | 0.18                     | 66.67          | 1.76    |

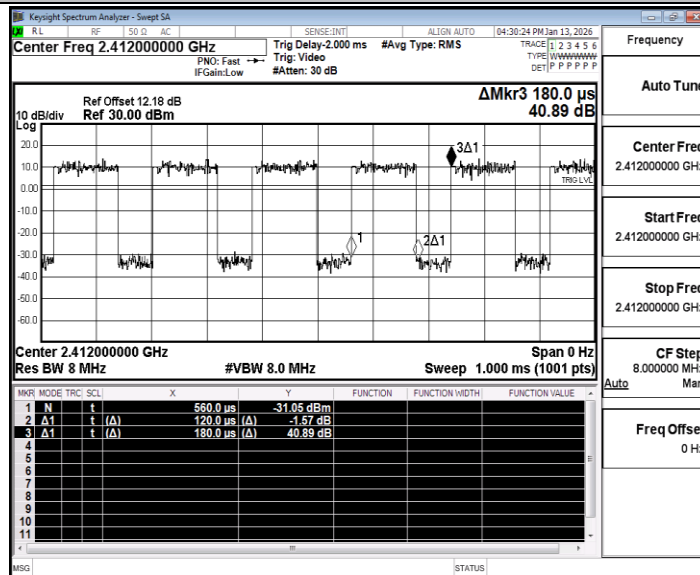
Note :offset=System attenuation +cabal loss

## Test Graphs

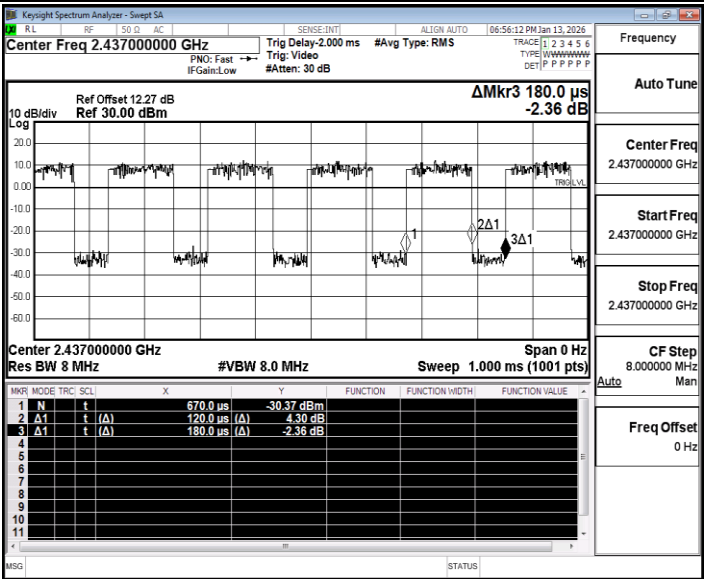




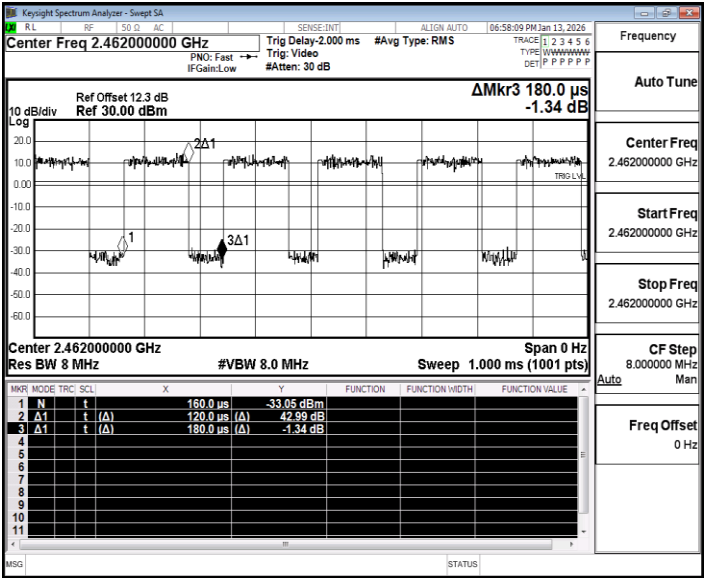
11G\_Ant1\_2412



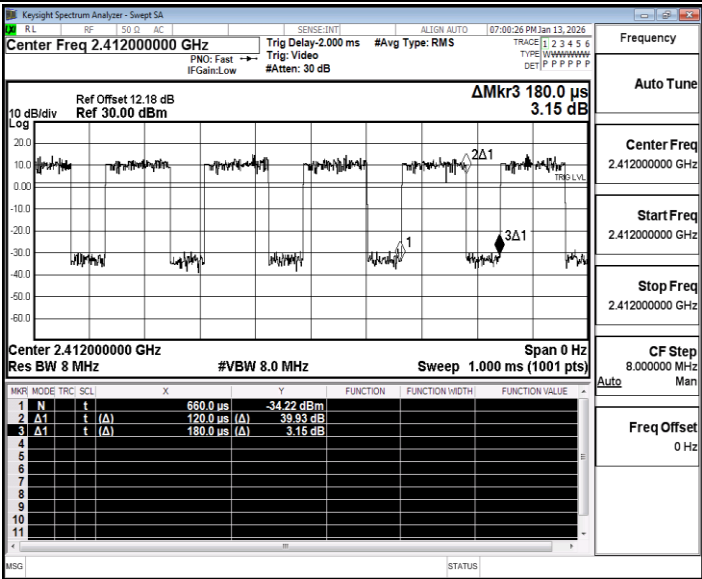
11G\_Ant1\_2437



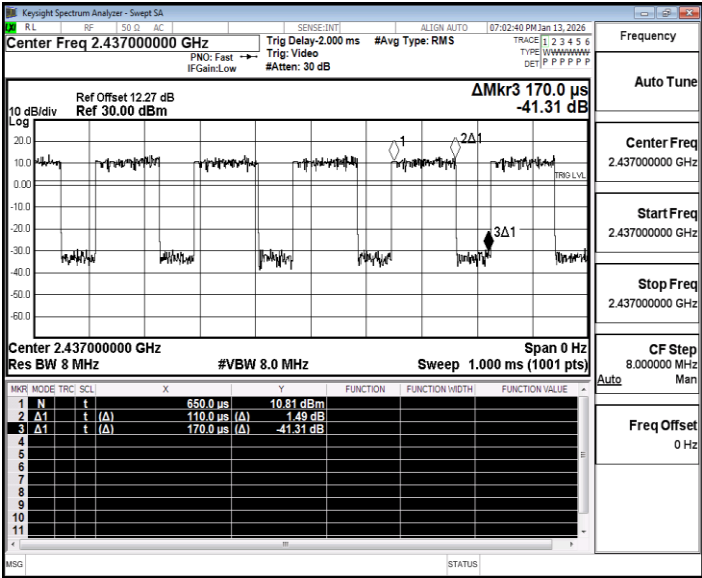
11G\_Ant1\_2462



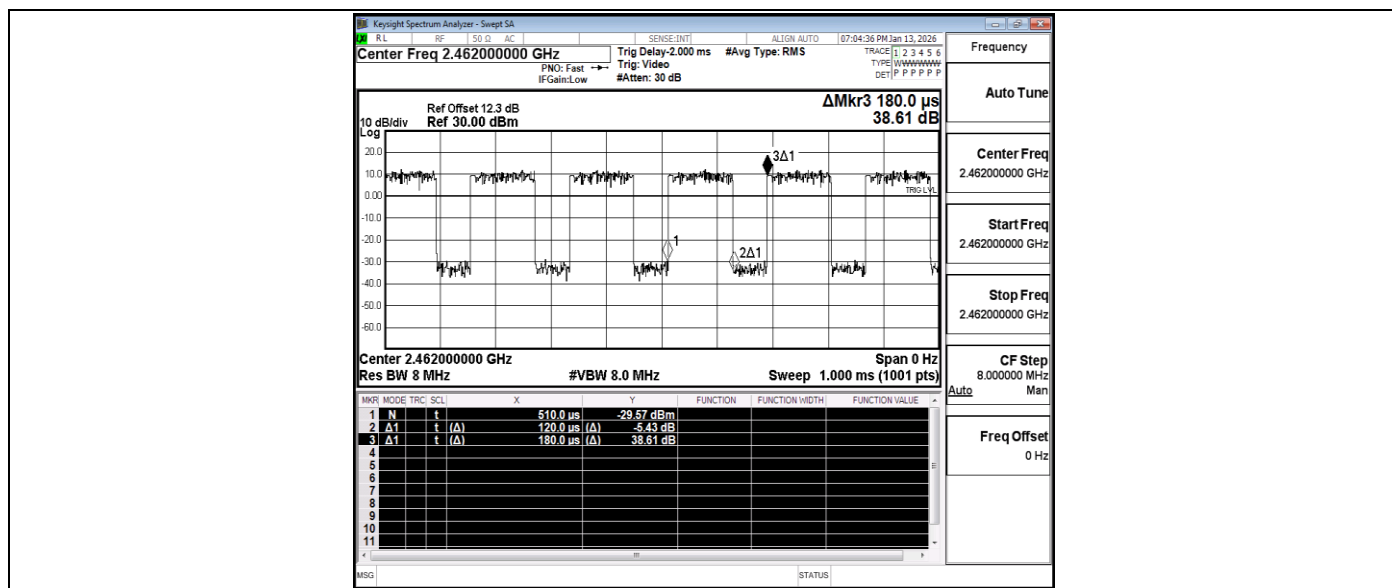
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



## A.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   | -46.85       | ≤-45.70     | 4.16       | 0.34           | 52.85           | ≤54            | PASS    |
|           |         |        |                | AV       | 2379.950   | -46.27       | ≤-45.70     | 4.16       | 0.34           | 53.43           | ≤54            | PASS    |
|           |         |        |                | AV       | 2390.000   | -46.67       | ≤-45.70     | 4.16       | 0.34           | 53.03           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2310.000   | -39.72       | ≤-25.36     | 4.16       | 0.00           | 59.64           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2386.320   | -36.31       | ≤-25.36     | 4.16       | 0.00           | 63.05           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2390.000   | -39.89       | ≤-25.36     | 4.16       | 0.00           | 59.47           | ≤74            | PASS    |
|           |         | High   | 2462           | AV       | 2483.500   | -46.88       | ≤-45.70     | 4.16       | 0.34           | 52.82           | ≤54            | PASS    |
|           |         |        |                | AV       | 2483.780   | -45.83       | ≤-45.70     | 4.16       | 0.34           | 53.87           | ≤54            | PASS    |
|           |         |        |                | AV       | 2500.000   | -46.24       | ≤-45.70     | 4.16       | 0.34           | 53.46           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2483.500   | -38.41       | ≤-25.36     | 4.16       | 0.00           | 60.95           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2499.840   | -36.39       | ≤-25.36     | 4.16       | 0.00           | 62.97           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2500.000   | -36.96       | ≤-25.36     | 4.16       | 0.00           | 62.40           | ≤74            | PASS    |
| 11G       | Ant1    | Low    | 2412           | AV       | 2310.000   | -60.98       | ≤-47.12     | 4.16       | 1.76           | 40.14           | ≤54            | PASS    |
|           |         |        |                | AV       | 2389.830   | -54.13       | ≤-47.12     | 4.16       | 1.76           | 46.99           | ≤54            | PASS    |
|           |         |        |                | AV       | 2390.000   | -54.55       | ≤-47.12     | 4.16       | 1.76           | 46.57           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2310.000   | -53.98       | ≤-25.36     | 4.16       | 0.00           | 45.38           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2388.660   | -39.29       | ≤-25.36     | 4.16       | 0.00           | 60.07           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2390.000   | -43.53       | ≤-25.36     | 4.16       | 0.00           | 55.83           | ≤74            | PASS    |
|           |         | High   | 2462           | AV       | 2483.500   | -53.19       | ≤-47.12     | 4.16       | 1.76           | 47.93           | ≤54            | PASS    |
|           |         |        |                | AV       | 2483.890   | -52.24       | ≤-47.12     | 4.16       | 1.76           | 48.88           | ≤54            | PASS    |
|           |         |        |                | AV       | 2500.000   | -60.78       | ≤-47.12     | 4.16       | 1.76           | 40.34           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2483.500   | -41.15       | ≤-25.36     | 4.16       | 0.00           | 58.21           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2484.110   | -37.52       | ≤-25.36     | 4.16       | 0.00           | 61.84           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2500.000   | -51.82       | ≤-25.36     | 4.16       | 0.00           | 47.54           | ≤74            | PASS    |
| 11N20SISO | Ant1    | Low    | 2412           | AV       | 2310.000   | -61.45       | ≤-47.12     | 4.16       | 1.76           | 39.67           | ≤54            | PASS    |
|           |         |        |                | AV       | 2389.960   | -49.65       | ≤-47.12     | 4.16       | 1.76           | 51.47           | ≤54            | PASS    |
|           |         |        |                | AV       | 2390.000   | -49.65       | ≤-47.12     | 4.16       | 1.76           | 51.47           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2310.000   | -53.29       | ≤-25.36     | 4.16       | 0.00           | 46.07           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2389.180   | -36.84       | ≤-25.36     | 4.16       | 0.00           | 62.52           | ≤74            | PASS    |
|           |         |        |                | Peak     | 2390.000   | -39.28       | ≤-25.36     | 4.16       | 0.00           | 60.08           | ≤74            | PASS    |
|           |         | High   | 2462           | AV       | 2483.500   | -51.64       | ≤-47.12     | 4.16       | 1.76           | 49.48           | ≤54            | PASS    |
|           |         |        |                | AV       | 2483.780   | -51.66       | ≤-47.12     | 4.16       | 1.76           | 49.46           | ≤54            | PASS    |
|           |         |        |                | AV       | 2500.000   | -60.53       | ≤-47.12     | 4.16       | 1.76           | 40.59           | ≤54            | PASS    |
|           |         |        |                | Peak     | 2483.500   | -32.89       | ≤-25.36     | 4.16       | 0.00           | 66.47           | ≤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

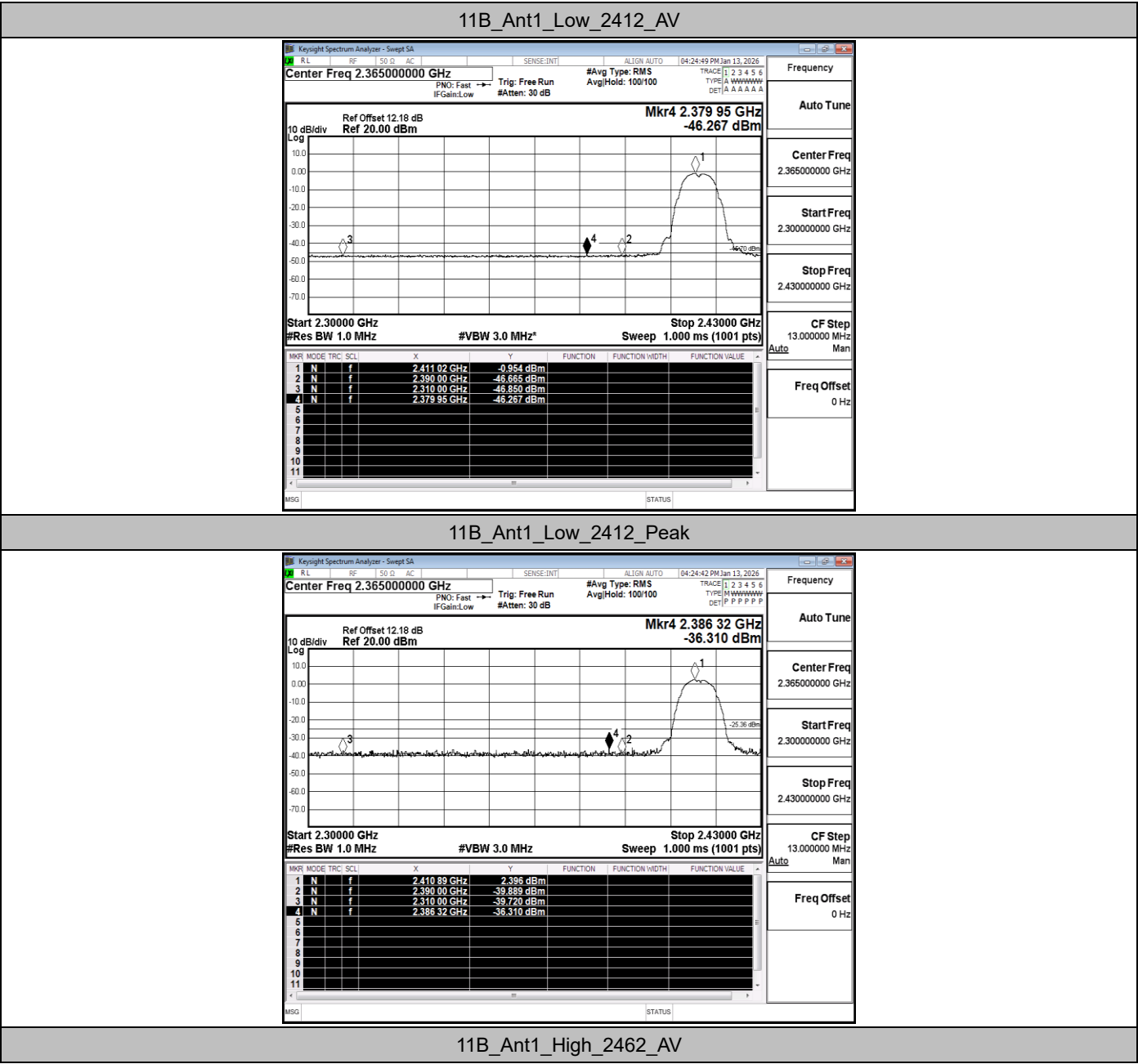
|  |  |  |  |      |          |        |         |      |      |       |     |      |
|--|--|--|--|------|----------|--------|---------|------|------|-------|-----|------|
|  |  |  |  | Peak | 2483.560 | -34.41 | ≤-25.36 | 4.16 | 0.00 | 64.95 | ≤74 | PASS |
|  |  |  |  | Peak | 2500.000 | -52.16 | ≤-25.36 | 4.16 | 0.00 | 47.20 | ≤74 | PASS |

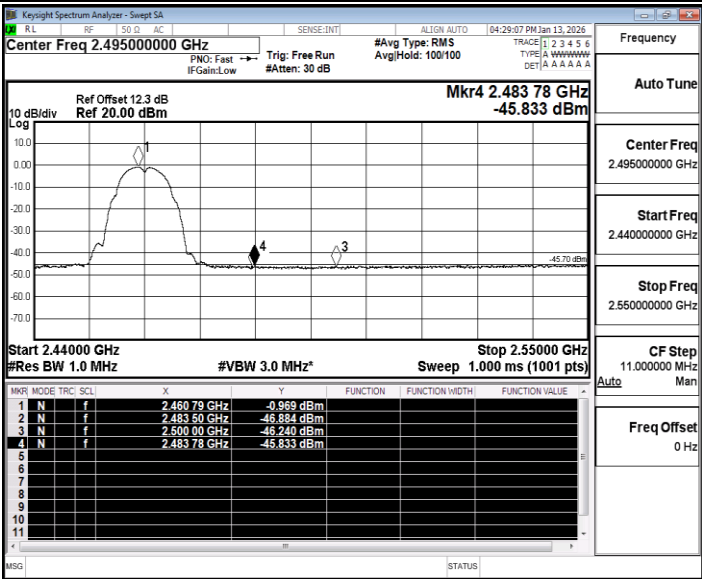
Note :offset=System attenuation +cabel loss

Note:

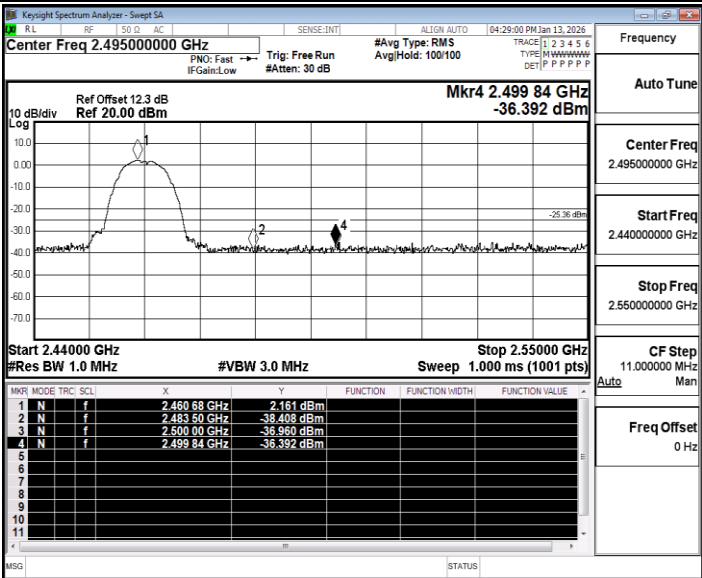
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

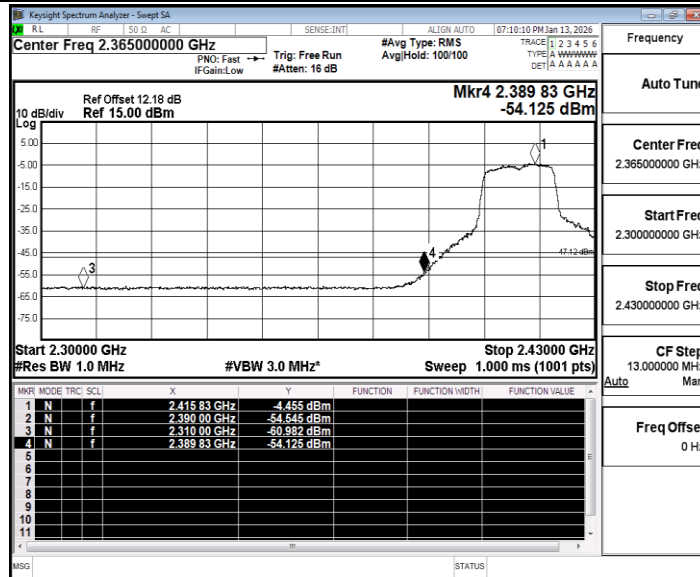




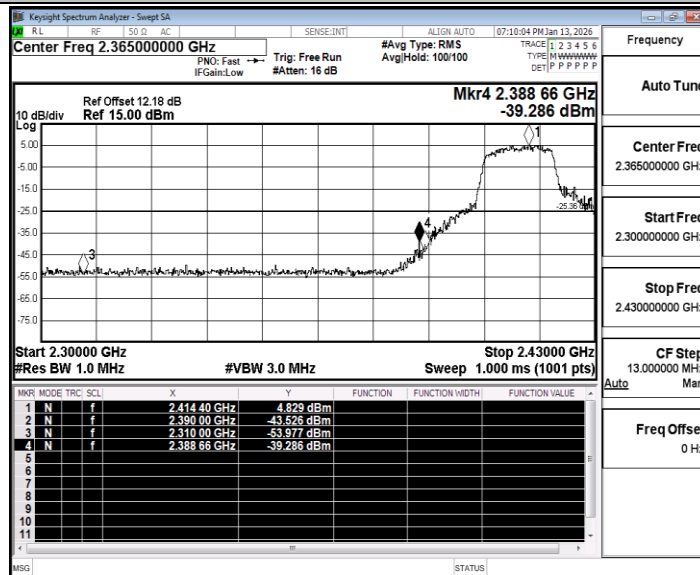
11B\_Ant1\_High\_2462\_Peak



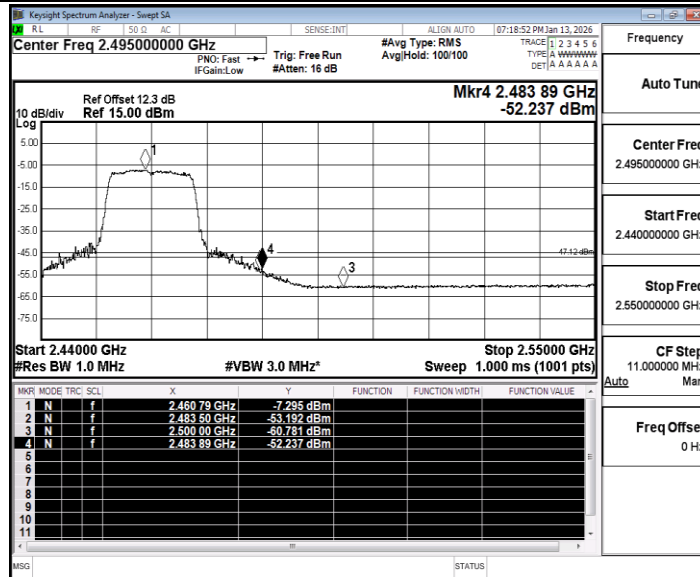
11G\_Ant1\_Low\_2412\_AV



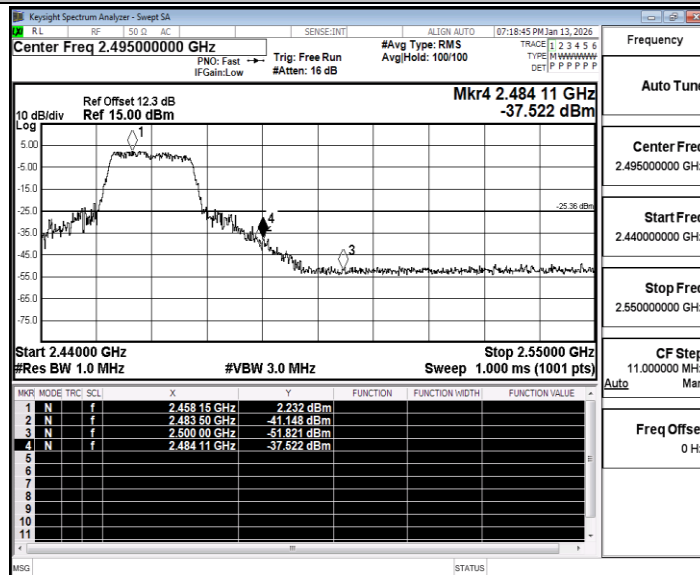
11G\_Ant1\_Low\_2412\_Peak



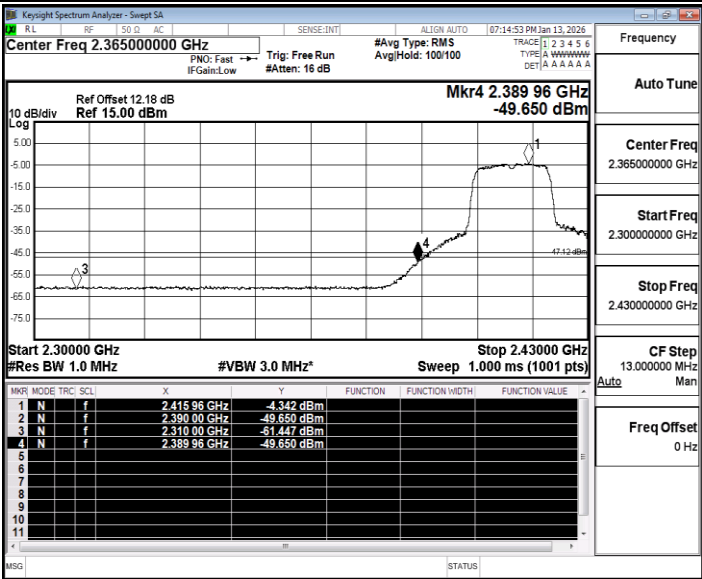
11G\_Ant1\_High\_2462\_AV



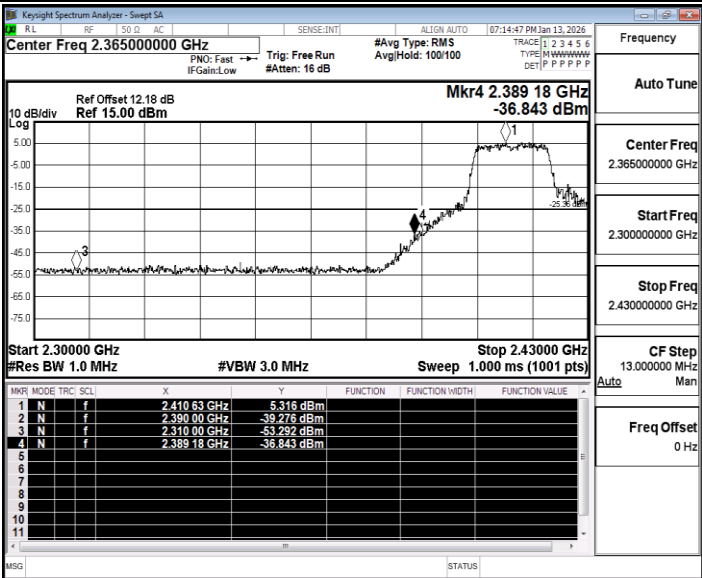
11G\_Ant1\_High\_2462\_Peak



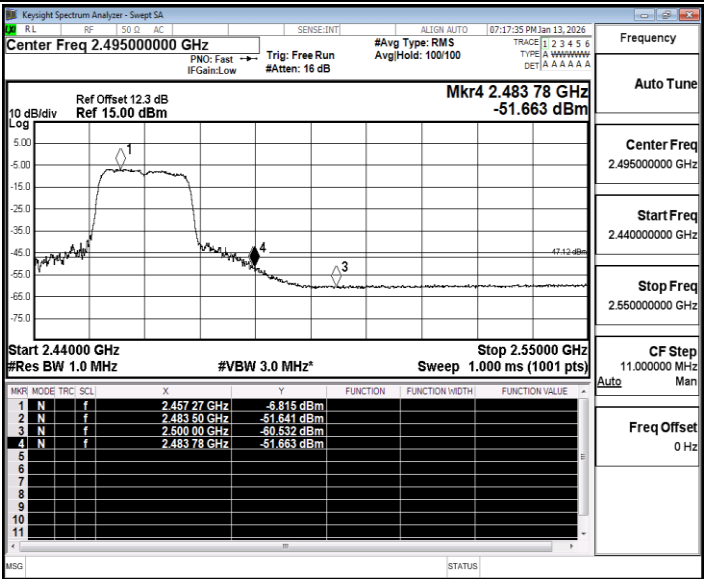
11N20SISO\_Ant1\_Low\_2412\_AV



11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV



11N20SISO\_Ant1\_High\_2462\_Peak

