



## B.6 Duty Cycle

### Test Result

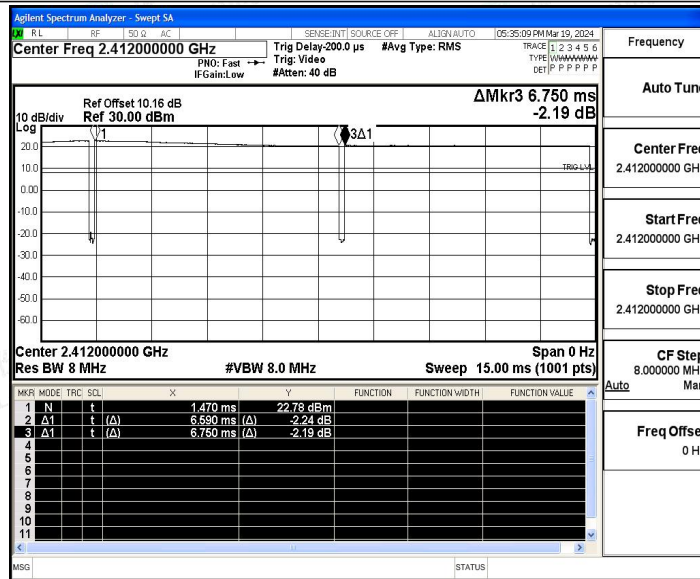
| TestMode  | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Factor | 1/T Factor[kHz] | Verdict |
|-----------|---------|-----------|----------------------------|--------------------------|----------------|--------|-----------------|---------|
| 11B       | Ant1    | 2412      | 6.59                       | 6.75                     | 97.63          | 0.10   | 0.15            | ---     |
|           |         | 2437      | 6.60                       | 6.77                     | 97.49          | 0.11   | 0.15            | ---     |
|           |         | 2462      | 4.20                       | 4.33                     | 97.00          | 0.13   | 0.24            | ---     |
| 11G       | Ant1    | 2412      | 1.36                       | 1.62                     | 83.95          | 0.76   | 0.74            | ---     |
|           |         | 2437      | 1.36                       | 1.65                     | 82.42          | 0.84   | 0.74            | ---     |
|           |         | 2462      | 1.36                       | 1.54                     | 88.31          | 0.54   | 0.74            | ---     |
| 11N20SISO | Ant1    | 2412      | 1.15                       | 1.33                     | 86.47          | 0.63   | 0.87            | ---     |
|           |         | 2437      | 1.15                       | 1.33                     | 86.47          | 0.63   | 0.87            | ---     |
|           |         | 2462      | 1.15                       | 1.32                     | 87.12          | 0.60   | 0.87            | ---     |
| 11N40SISO | Ant1    | 2422      | 0.57                       | 0.78                     | 73.08          | 1.36   | 1.75            | ---     |
|           |         | 2437      | 0.57                       | 0.82                     | 69.51          | 1.58   | 1.75            | ---     |
|           |         | 2452      | 0.57                       | 0.78                     | 73.08          | 1.36   | 1.75            | ---     |



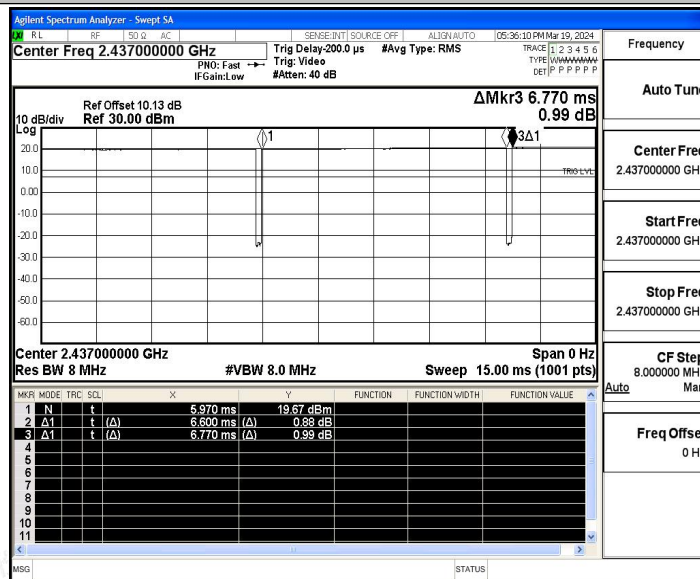


## Test Graphs

11B\_Ant1\_2412

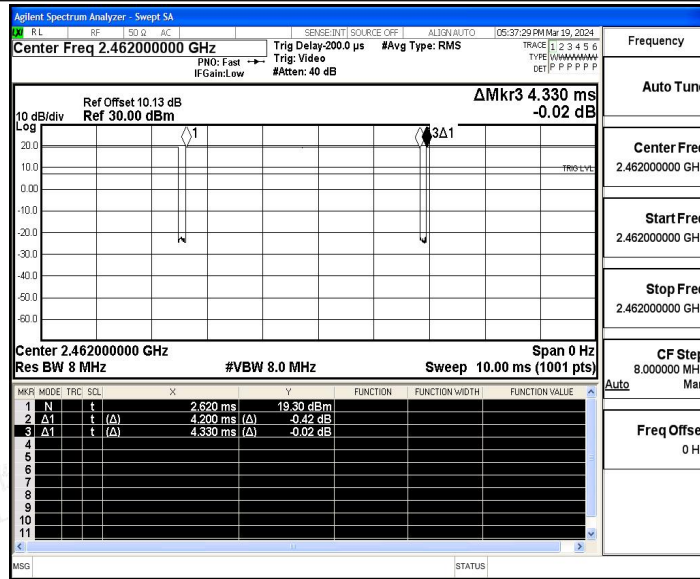


11B\_Ant1\_2437

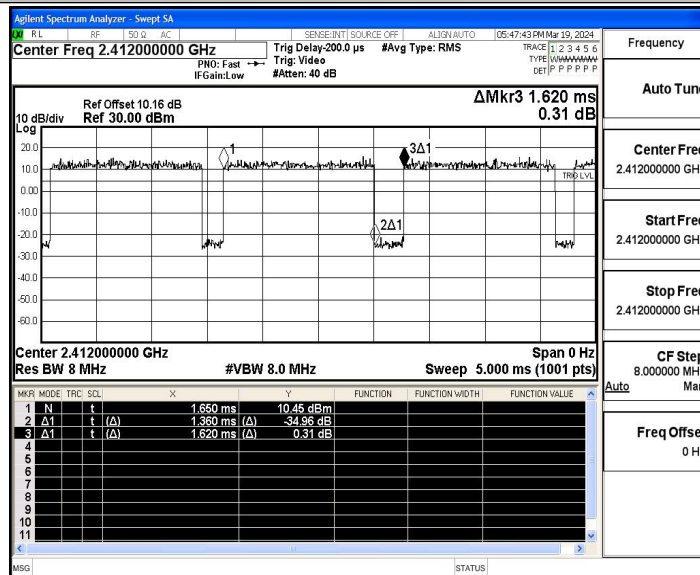


11B\_Ant1\_2462



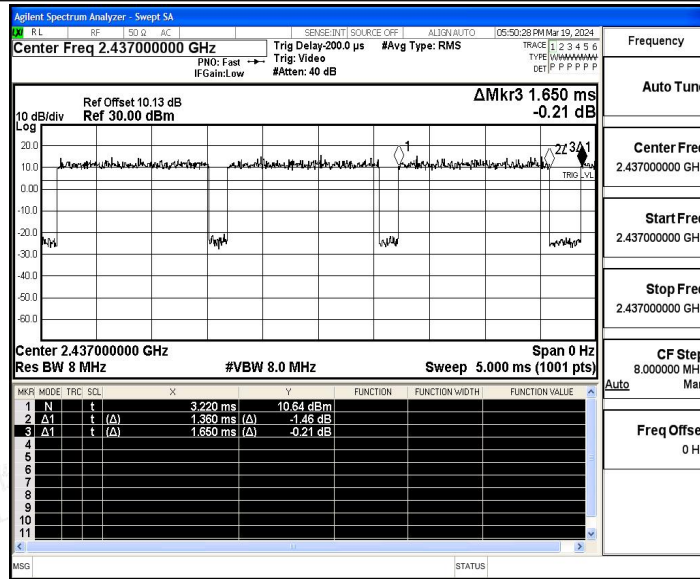


11G\_Ant1\_2412

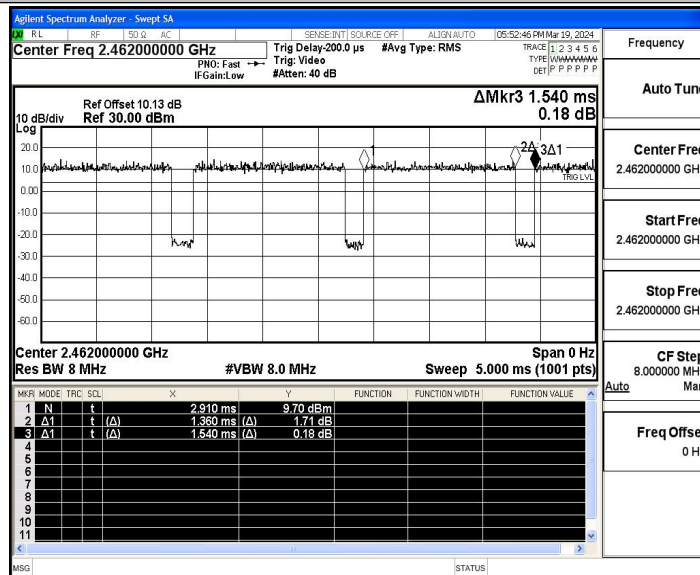


11G\_Ant1\_2437



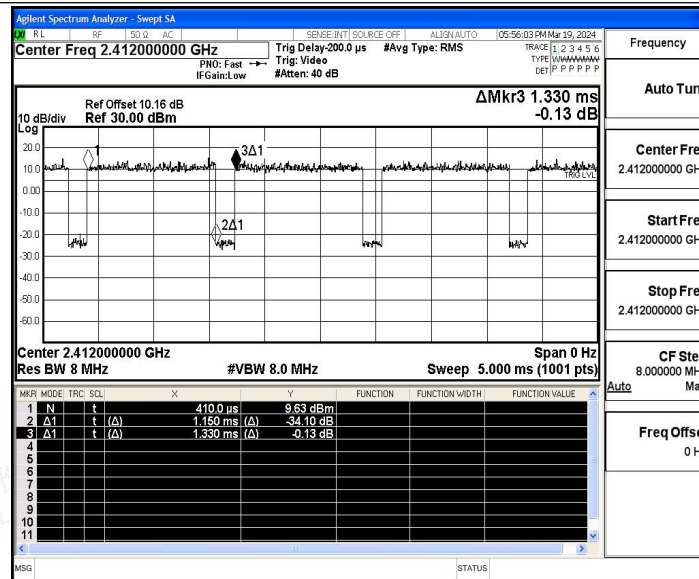


11G\_Ant1\_2462

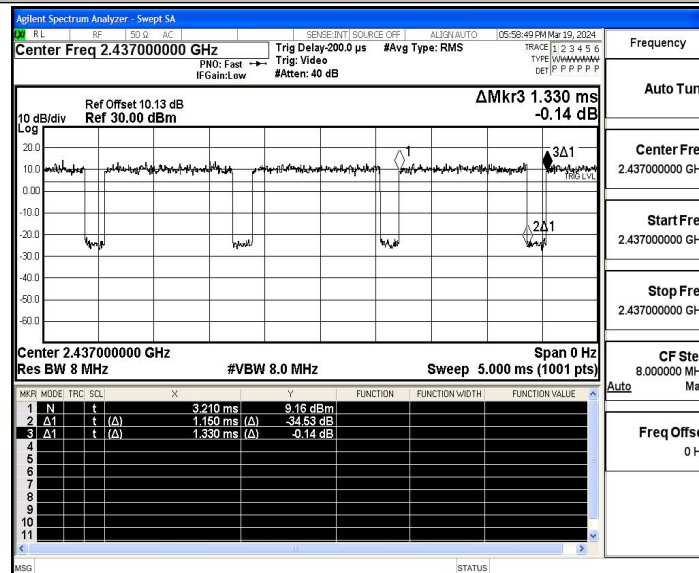


11N20SISO\_Ant1\_2412





11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

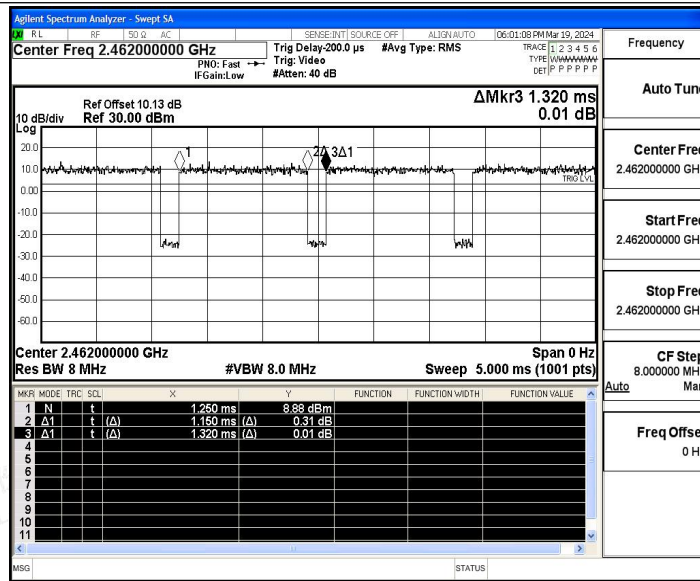


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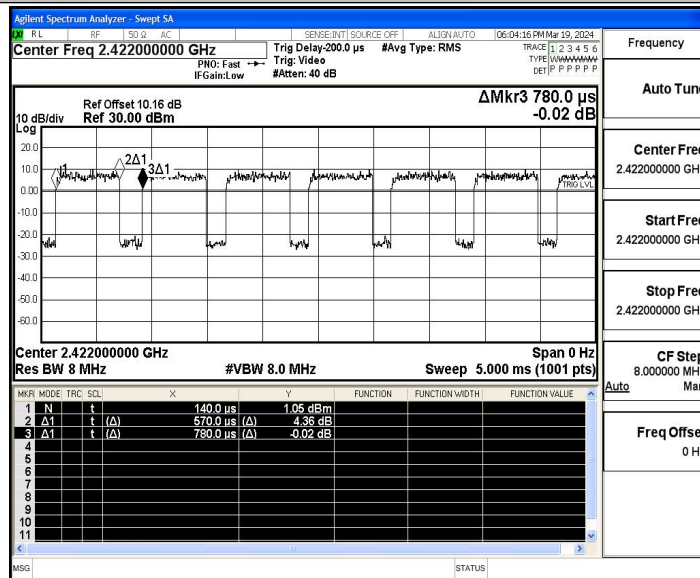
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437

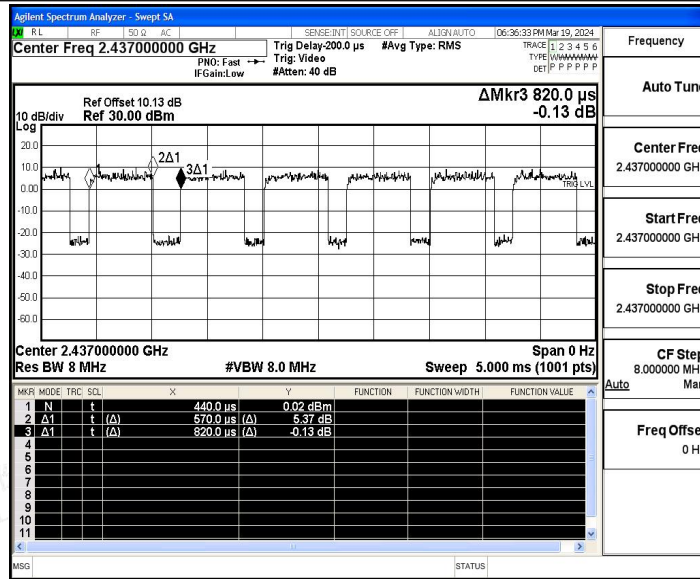


Shenzhen LCS Compliance Testing Laboratory Ltd.

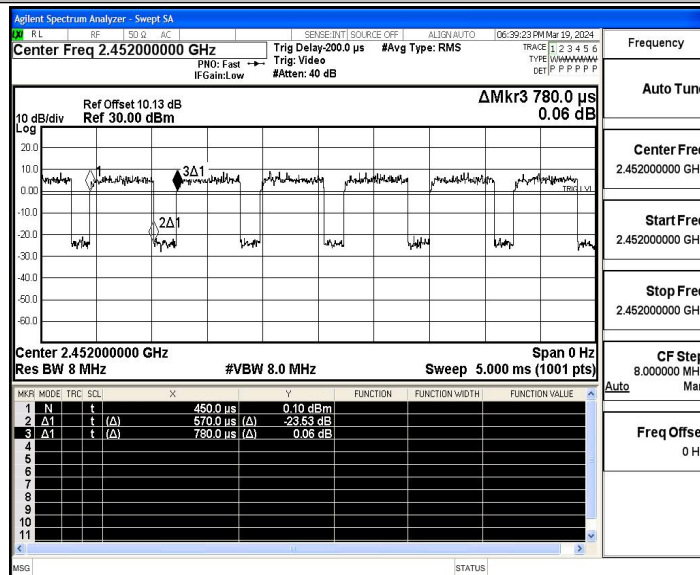
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11N40SISO\_Ant1\_2452





## B.7 Emissions in Restricted Bands

### Test Result

| TestMode      | Antenna | ChName | Freq(MHz ) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|---------------|---------|--------|------------|----------|------------|--------------|-------------|-----------------|----------------|---------|
| 11B           | Ant1    | Low    | 2412       | AV       | 2310.000   | -50.32       | ≤-41.20     | 44.88           | ≤54            | PASS    |
|               |         |        |            | AV       | 2361.360   | -48.75       | ≤-41.20     | 46.45           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -49.53       | ≤-41.20     | 45.67           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -42.61       | ≤-21.20     | 52.59           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2344.200   | -39.17       | ≤-21.20     | 56.03           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -40.5        | ≤-21.20     | 54.70           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -46.5        | ≤-41.20     | 48.70           | ≤54            | PASS    |
|               |         |        |            | AV       | 2486.530   | -45.28       | ≤-41.20     | 49.92           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -47.04       | ≤-41.20     | 48.16           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -38.68       | ≤-21.20     | 56.52           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2498.080   | -36.19       | ≤-21.20     | 59.01           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2500.000   | -40.17       | ≤-21.20     | 55.03           | ≤74            | PASS    |
| 11G           | Ant1    | Low    | 2412       | AV       | 2310.000   | -47.75       | ≤-41.20     | 47.45           | ≤54            | PASS    |
|               |         |        |            | AV       | 2389.830   | -45.62       | ≤-41.20     | 49.58           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -45.71       | ≤-41.20     | 49.49           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -41.21       | ≤-21.20     | 53.99           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2389.310   | -35.32       | ≤-21.20     | 59.88           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -36.92       | ≤-21.20     | 58.28           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -45.47       | ≤-41.20     | 49.73           | ≤54            | PASS    |
|               |         |        |            | AV       | 2484.770   | -45.55       | ≤-41.20     | 49.65           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -47.16       | ≤-41.20     | 48.04           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -34.82       | ≤-21.20     | 60.38           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2484.000   | -34.32       | ≤-21.20     | 60.88           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2500.000   | -38.92       | ≤-21.20     | 56.28           | ≤74            | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412       | AV       | 2310.000   | -48.19       | ≤-41.20     | 47.01           | ≤54            | PASS    |
|               |         |        |            | AV       | 2389.440   | -45.88       | ≤-41.20     | 49.32           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -46.58       | ≤-41.20     | 48.62           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -39.84       | ≤-21.20     | 55.36           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2388.270   | -32.72       | ≤-21.20     | 62.48           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -36.19       | ≤-21.20     | 59.01           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -46.32       | ≤-41.20     | 48.88           | ≤54            | PASS    |
|               |         |        |            | AV       | 2484.660   | -45.64       | ≤-41.20     | 49.56           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -47.05       | ≤-41.20     | 48.15           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -34.76       | ≤-21.20     | 60.44           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2483.890   | -33.23       | ≤-21.20     | 61.97           | ≤74            | PASS    |



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|               |      |      |      |      |          |        |               |       |           |      |
|---------------|------|------|------|------|----------|--------|---------------|-------|-----------|------|
|               |      |      |      | Peak | 2500.000 | -39.61 | $\leq -21.20$ | 55.59 | $\leq 74$ | PASS |
| 11N40SIS<br>O | Ant1 | Low  | 2422 | AV   | 2310.000 | -47.21 | $\leq -41.20$ | 47.99 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2388.530 | -44.26 | $\leq -41.20$ | 50.94 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2390.000 | -45.28 | $\leq -41.20$ | 49.92 | $\leq 54$ | PASS |
|               |      |      |      | Peak | 2310.000 | -40.84 | $\leq -21.20$ | 54.36 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2389.310 | -29.25 | $\leq -21.20$ | 65.95 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2390.000 | -32.56 | $\leq -21.20$ | 62.64 | $\leq 74$ | PASS |
|               |      | High | 2452 | AV   | 2483.500 | -44.49 | $\leq -41.20$ | 50.71 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2484.220 | -43.31 | $\leq -41.20$ | 51.89 | $\leq 54$ | PASS |
|               |      |      |      | AV   | 2500.000 | -45.69 | $\leq -41.20$ | 49.51 | $\leq 54$ | PASS |
|               |      |      |      | Peak | 2483.500 | -34.43 | $\leq -21.20$ | 60.77 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2484.110 | -30.65 | $\leq -21.20$ | 64.55 | $\leq 74$ | PASS |
|               |      |      |      | Peak | 2500.000 | -38.74 | $\leq -21.20$ | 56.46 | $\leq 74$ | PASS |

## Note:

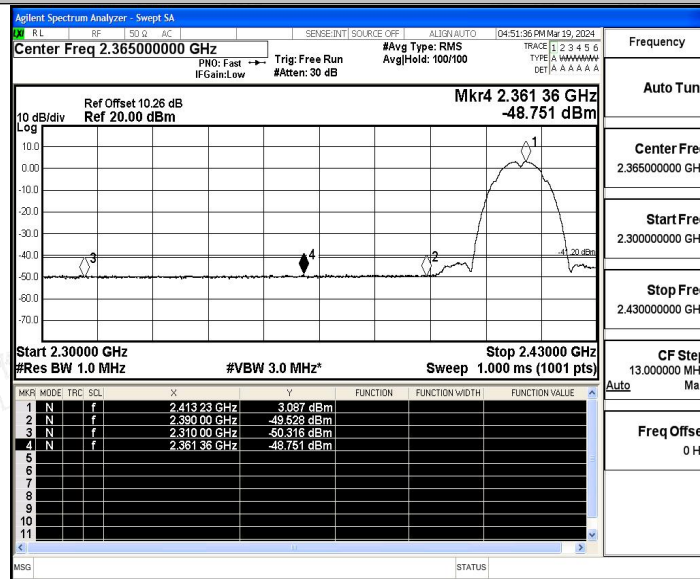
1. The Antenna Gain is compensated in the graph. The Correction Factor is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



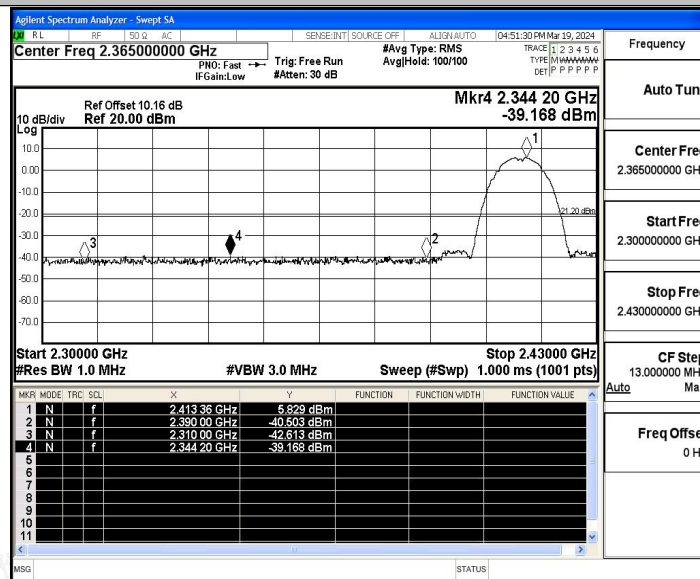


## Test Graphs

11B\_Ant1\_Low\_2412\_AV



11B\_Ant1\_Low\_2412\_Peak



11B\_Ant1\_High\_2462\_AV

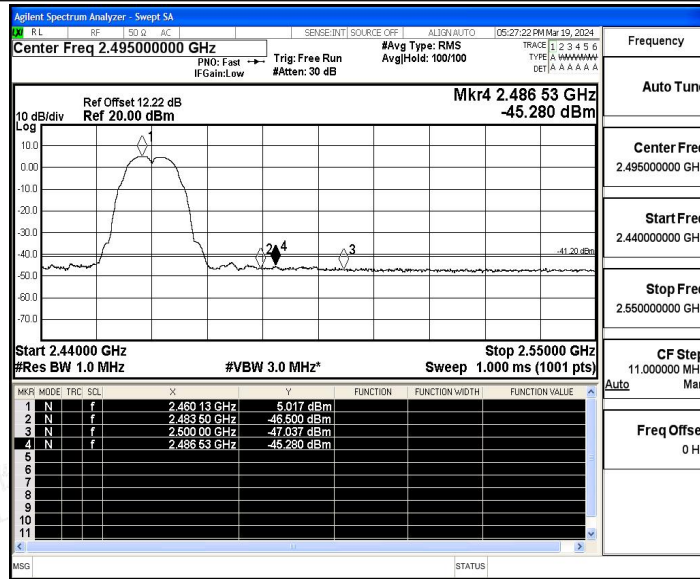


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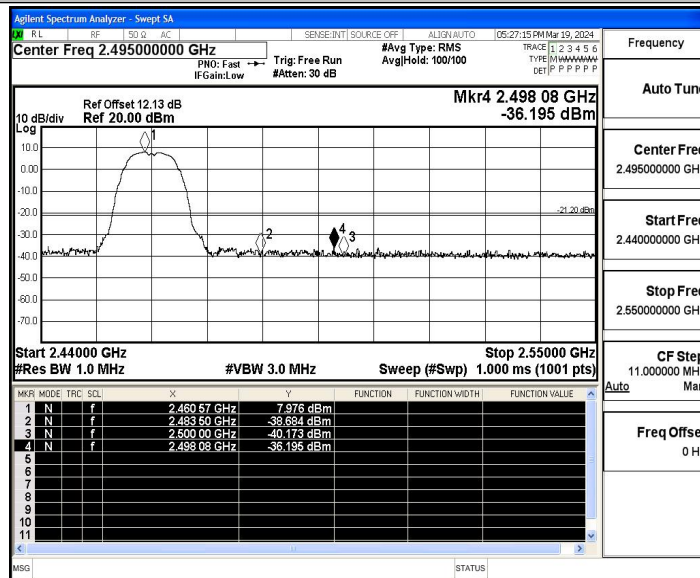
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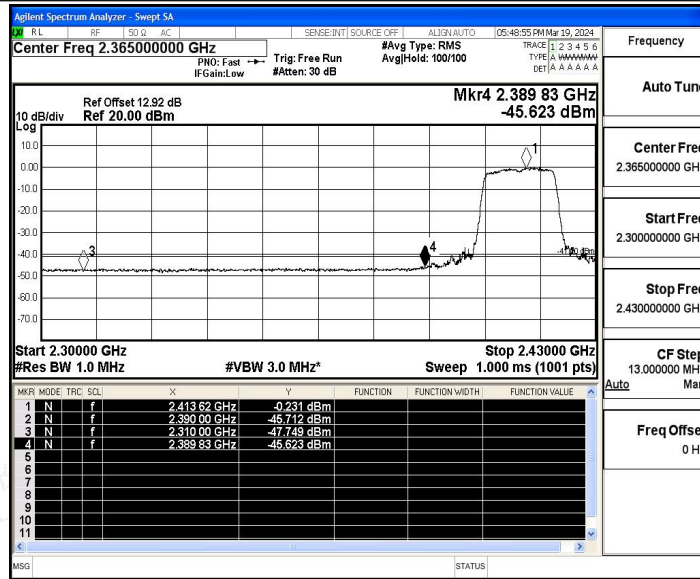


11B\_Ant1\_High\_2462\_Peak

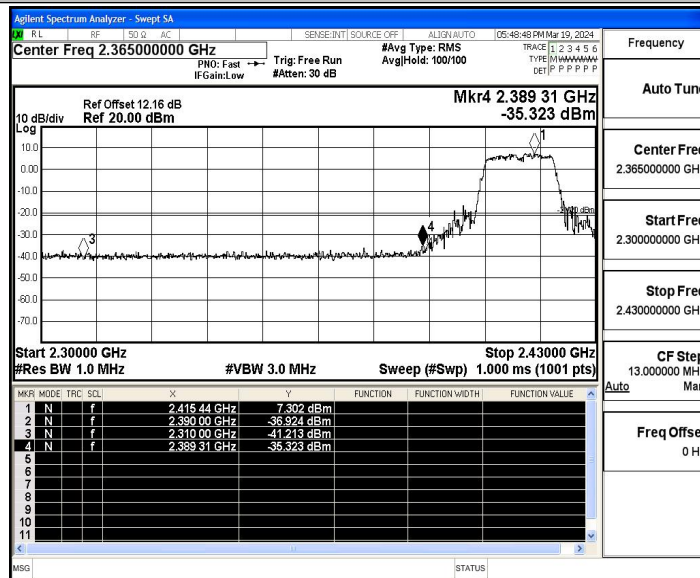


11G\_Ant1\_Low\_2412\_AV



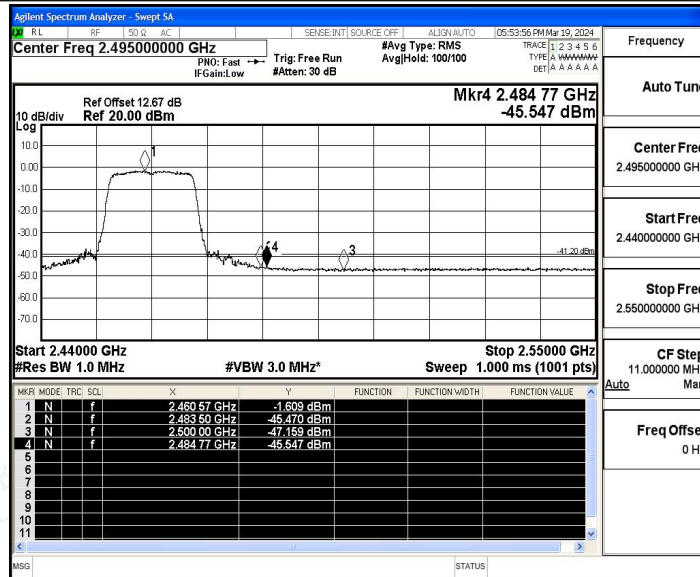


11G\_Ant1\_Low\_2412\_Peak

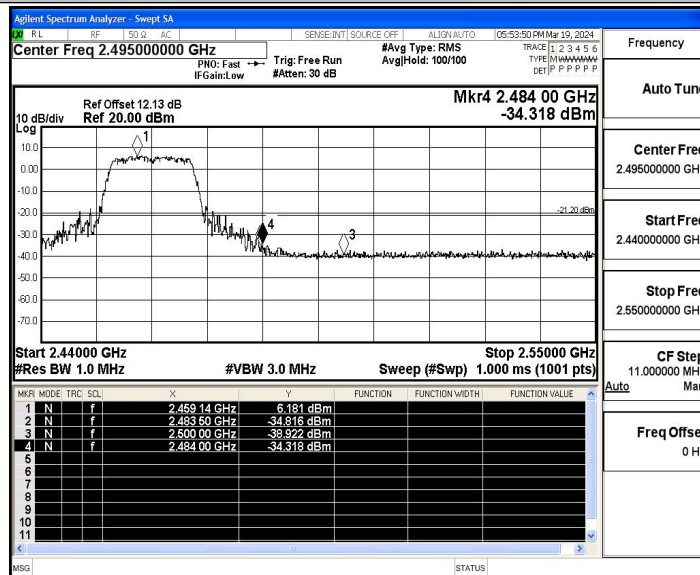


11G\_Ant1\_High\_2462\_AV



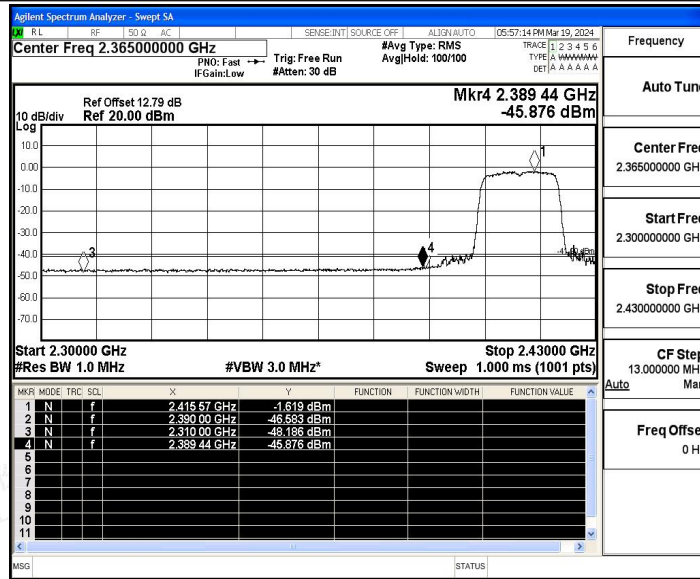


11G\_Ant1\_High\_2462\_Peak

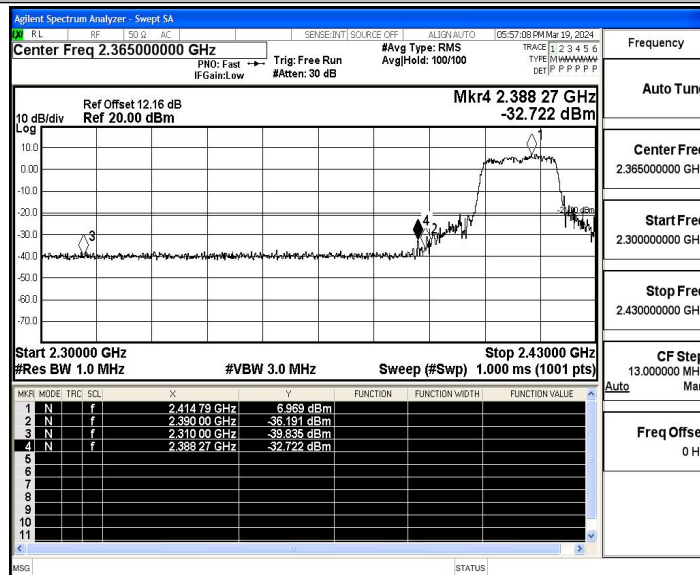


11N20SISO\_Ant1\_Low\_2412\_AV



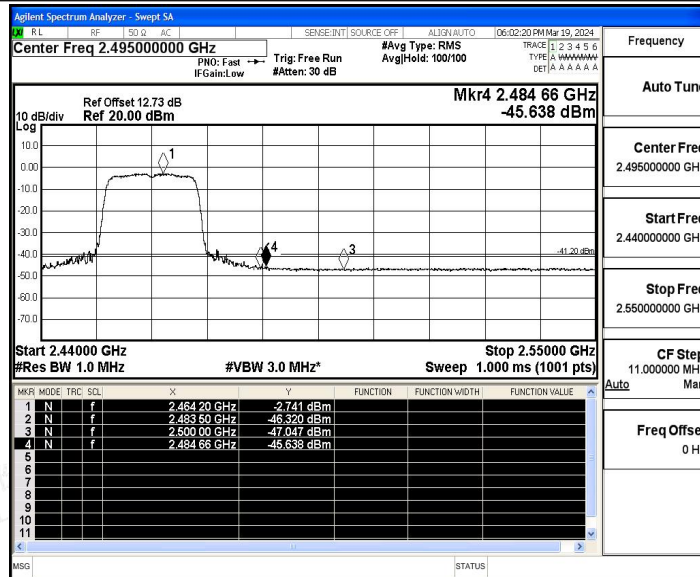


11N20SISO\_Ant1\_Low\_2412\_Peak

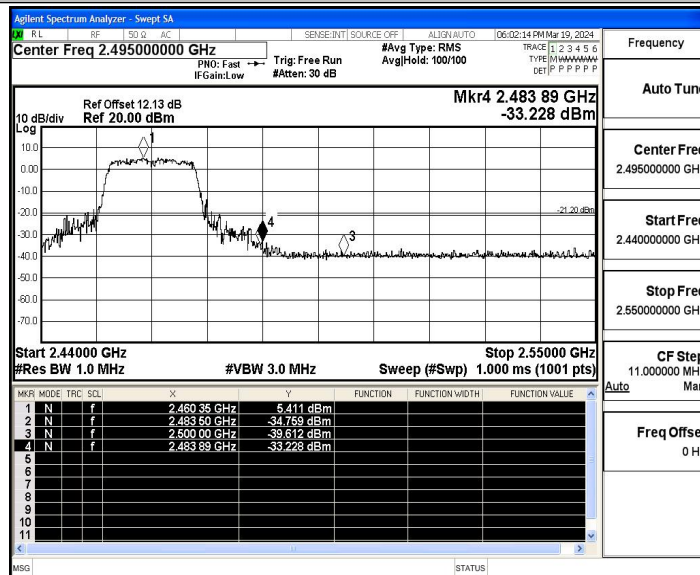


11N20SISO\_Ant1\_High\_2462\_AV



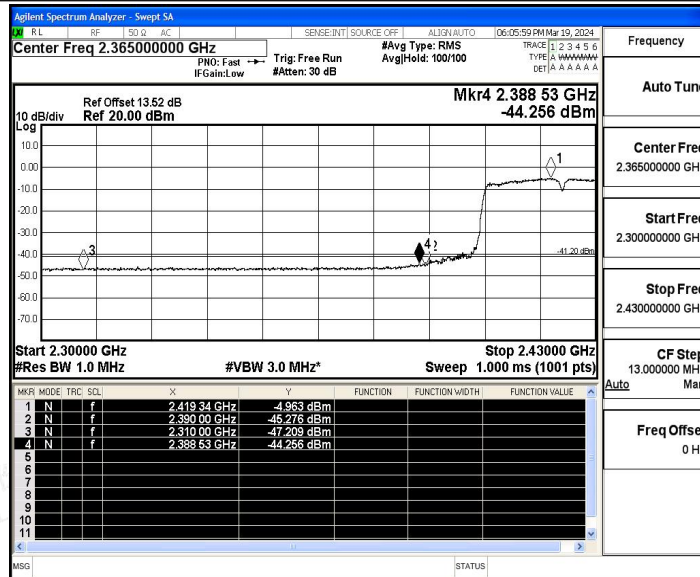


11N20SISO\_Ant1\_High\_2462\_Peak

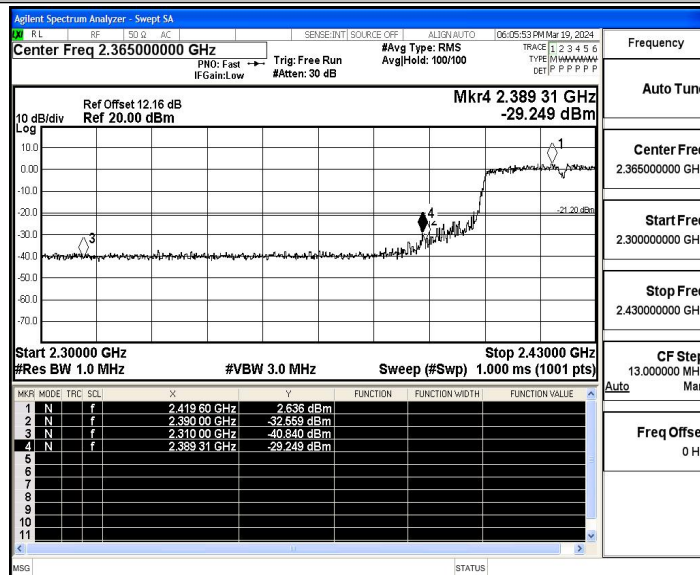


11N40SISO\_Ant1\_Low\_2422\_AV



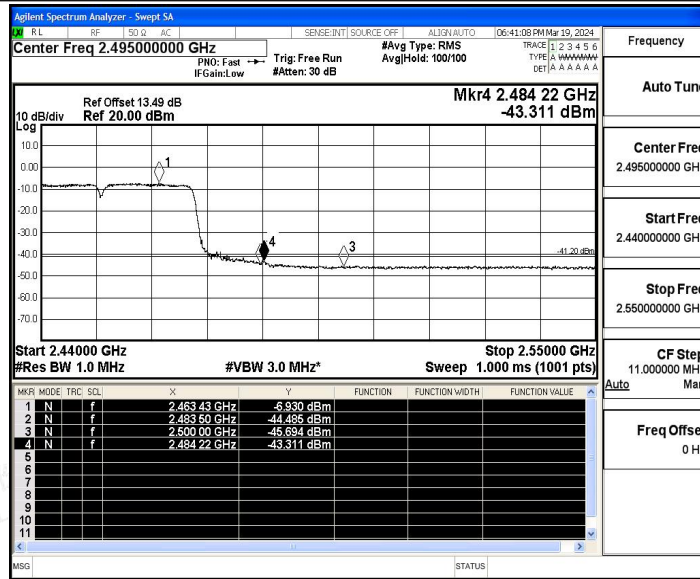


11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV





11N40SISO\_Ant1\_High\_2452\_Peak

