



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Tablet PC

Test Model: IX90\_CQA1103

Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8 ° C  |
| Relative Humidity: | 52.1%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Ling Zhu  |
| Supervised by:     | Li Huan   |





## C.1 DTS Bandwidth

### Test Result

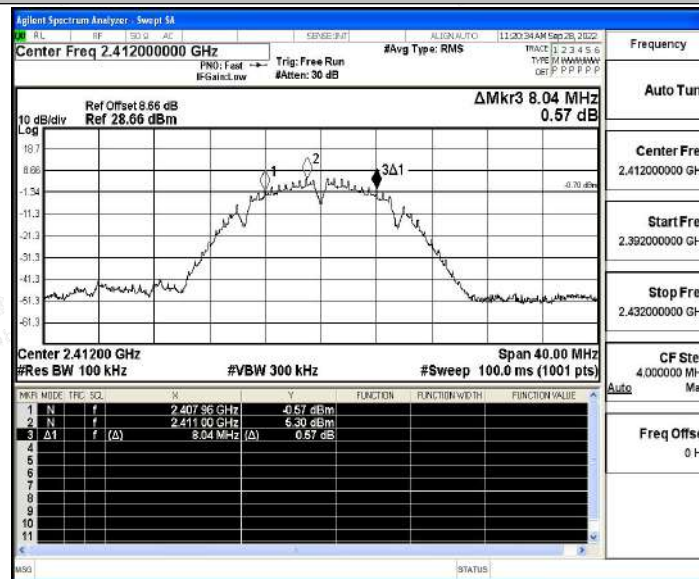
| TestMode   | Antenna | Freq(MHz) | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|--------------|----------|----------|------------|---------|
| 11B        | Ant1    | 2412      | 8.040        | 2407.960 | 2416.000 | 0.5        | PASS    |
|            |         | 2437      | 7.480        | 2433.000 | 2440.480 | 0.5        | PASS    |
|            |         | 2462      | 8.080        | 2457.960 | 2466.040 | 0.5        | PASS    |
| 11G        | Ant1    | 2412      | 16.320       | 2403.840 | 2420.160 | 0.5        | PASS    |
|            |         | 2437      | 16.320       | 2428.840 | 2445.160 | 0.5        | PASS    |
|            |         | 2462      | 16.320       | 2453.840 | 2470.160 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2412      | 17.560       | 2403.200 | 2420.760 | 0.5        | PASS    |
|            |         | 2437      | 17.560       | 2428.200 | 2445.760 | 0.5        | PASS    |
|            |         | 2462      | 17.560       | 2453.200 | 2470.760 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2422      | 36.000       | 2403.840 | 2439.840 | 0.5        | PASS    |
|            |         | 2437      | 36.080       | 2418.840 | 2454.920 | 0.5        | PASS    |
|            |         | 2452      | 36.240       | 2433.840 | 2470.080 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2412      | 19.000       | 2402.480 | 2421.480 | 0.5        | PASS    |
|            |         | 2437      | 18.960       | 2427.520 | 2446.480 | 0.5        | PASS    |
|            |         | 2462      | 18.920       | 2452.520 | 2471.440 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2422      | 37.760       | 2403.040 | 2440.800 | 0.5        | PASS    |
|            |         | 2437      | 37.760       | 2418.040 | 2455.800 | 0.5        | PASS    |
|            |         | 2452      | 37.840       | 2433.040 | 2470.880 | 0.5        | PASS    |



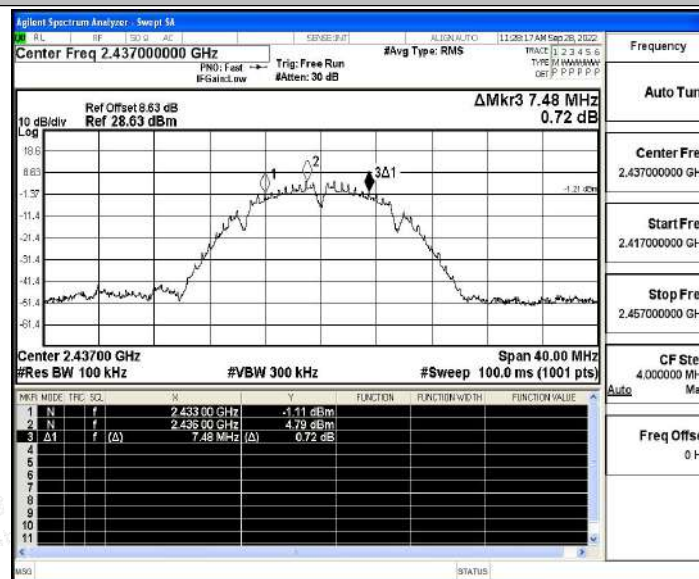


## Test Graphs

11B\_Ant1\_2412

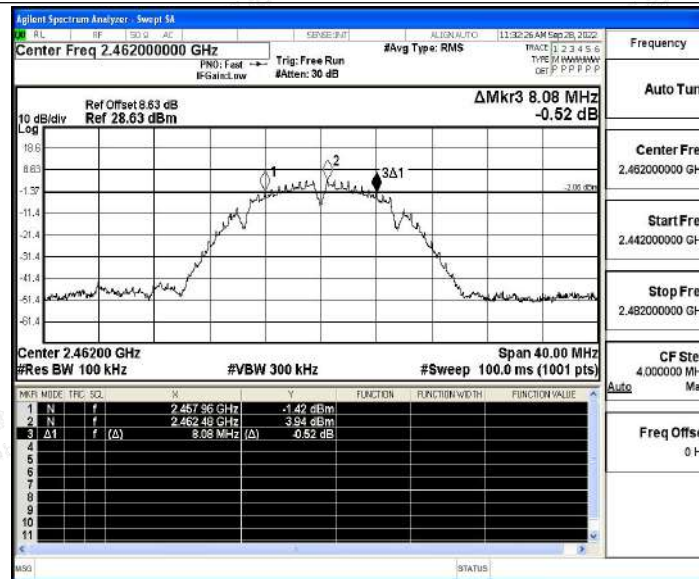


11B\_Ant1\_2437

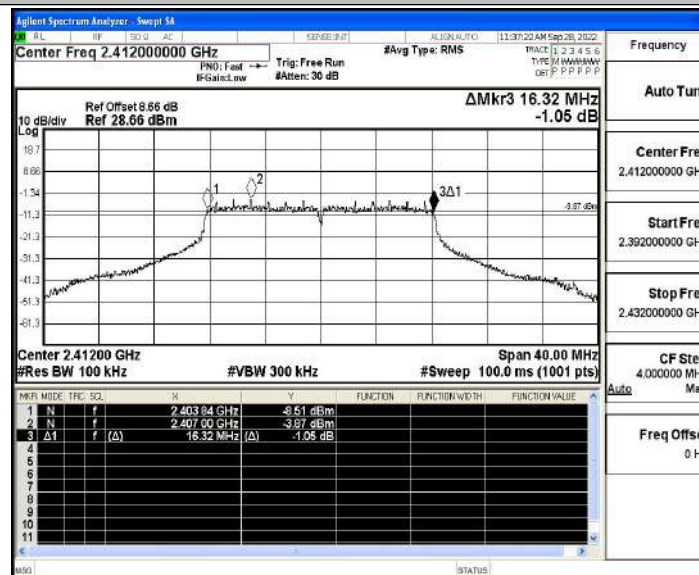


11B\_Ant1\_2462



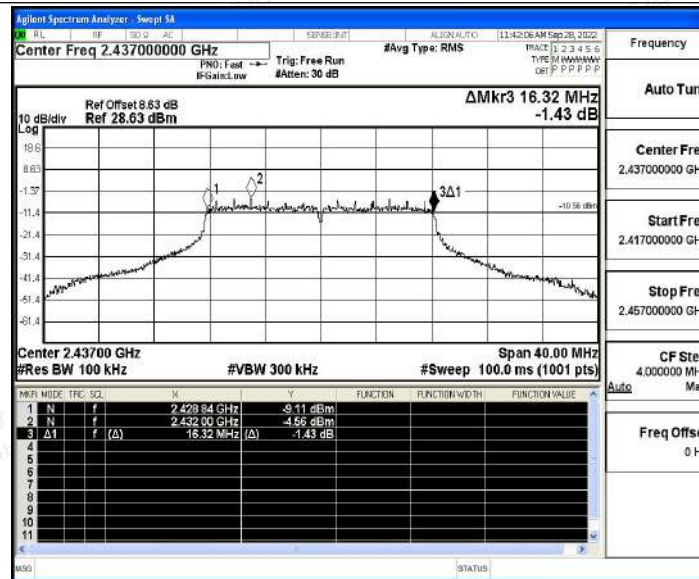


11G\_Ant1\_2412

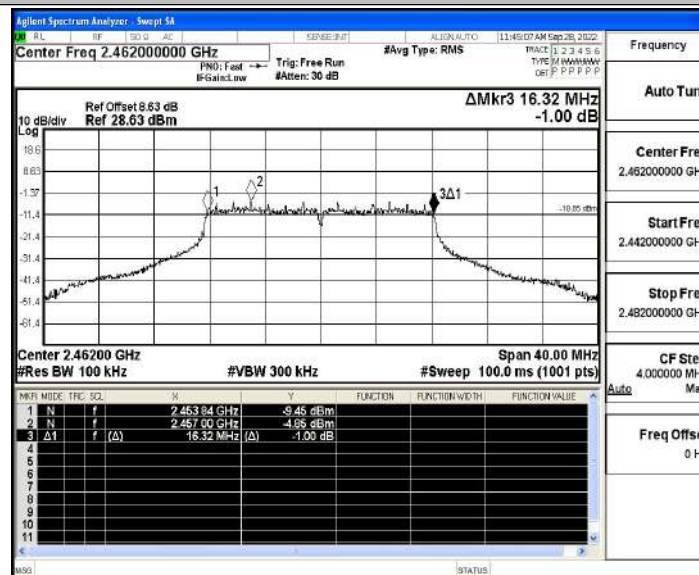


11G\_Ant1\_2437



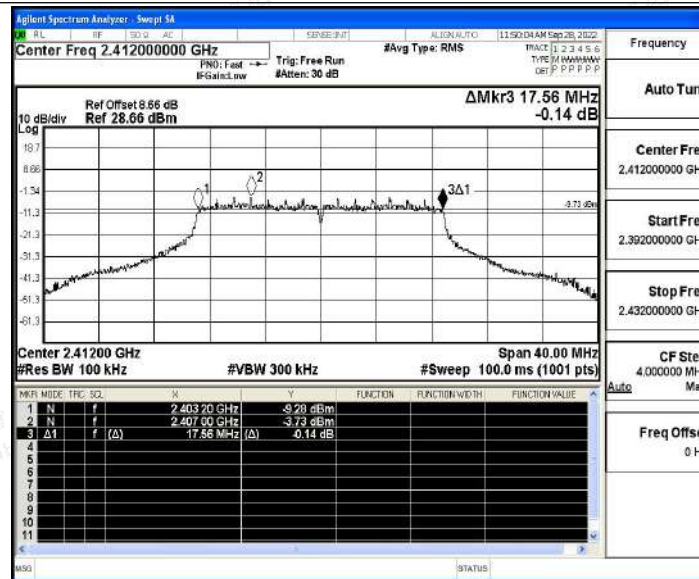


11G\_Ant1\_2462

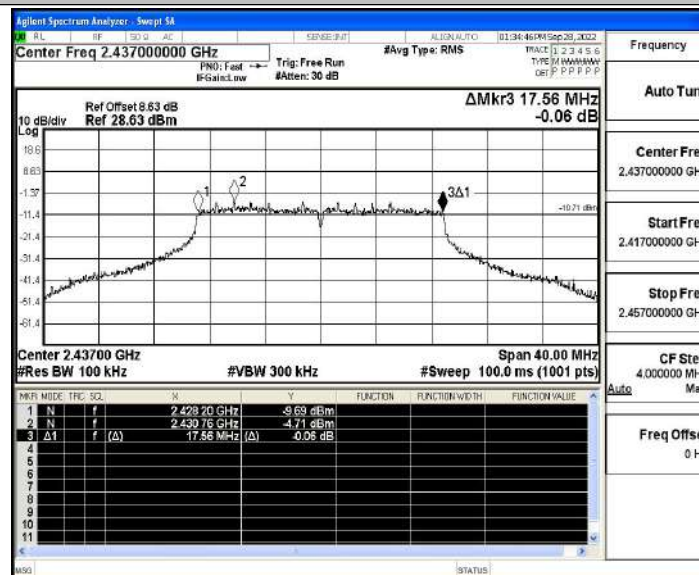


11N20SISO\_Ant1\_2412



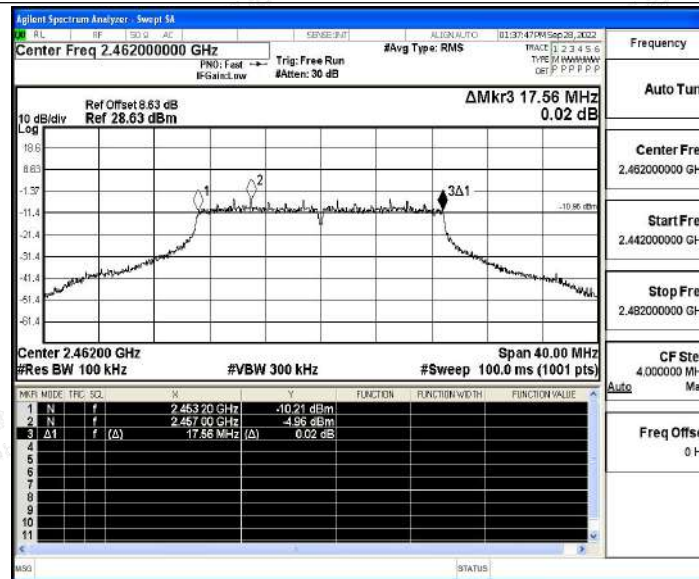


11N20SISO\_Ant1\_2437

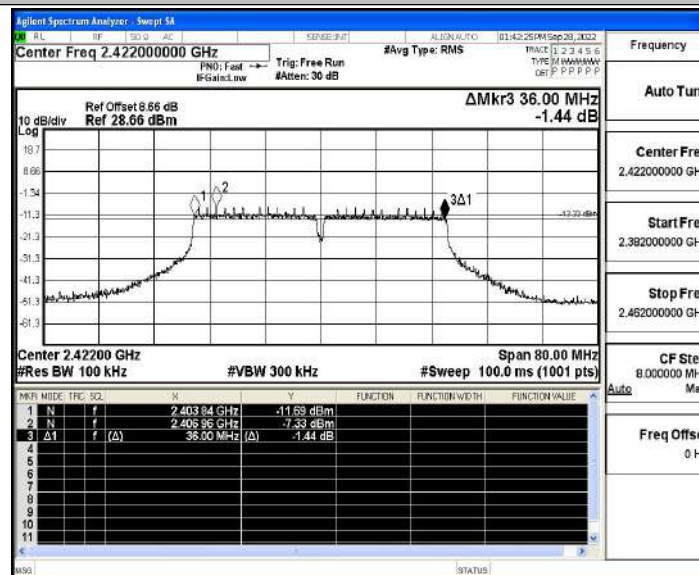


11N20SISO\_Ant1\_2462



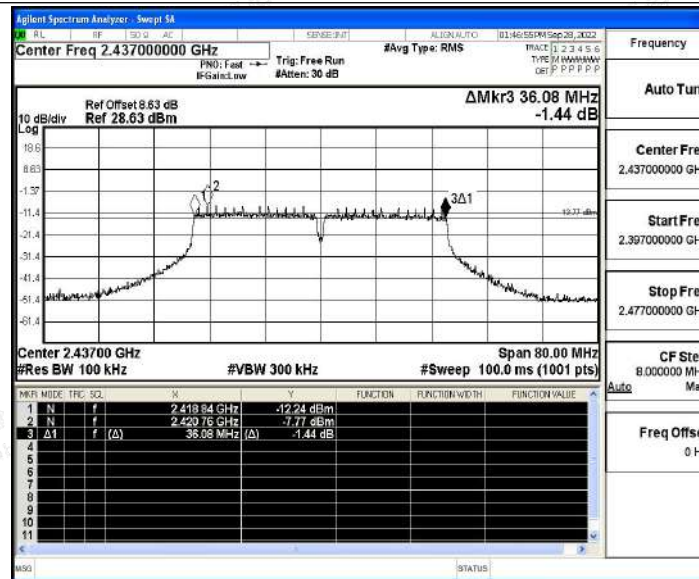


11N40SISO\_Ant1\_2422

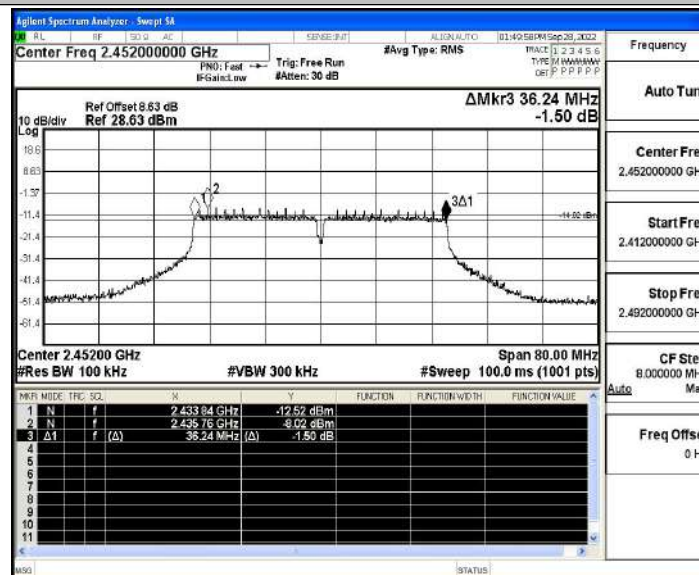


11N40SISO\_Ant1\_2437



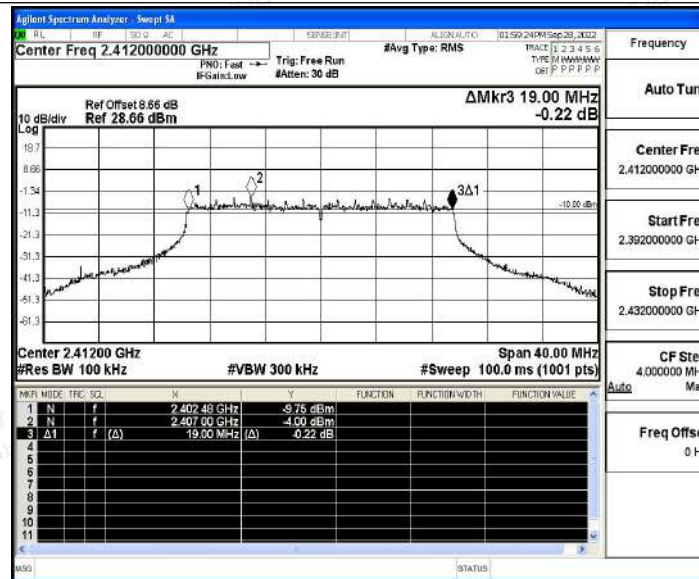


11N40SISO\_Ant1\_2452

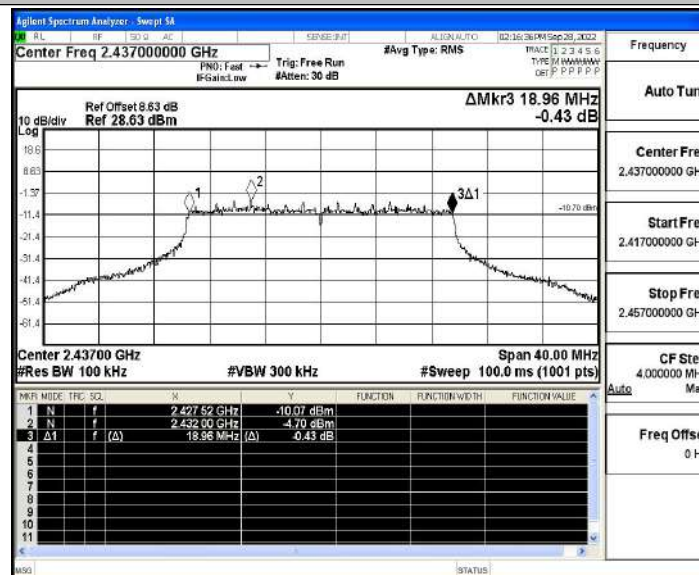


11AX20SISO\_Ant1\_2412



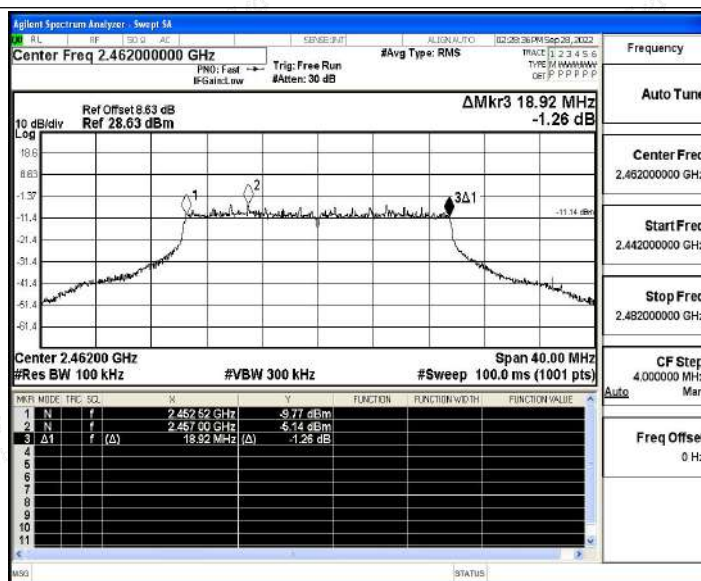


11AX20SISO\_Ant1\_2437

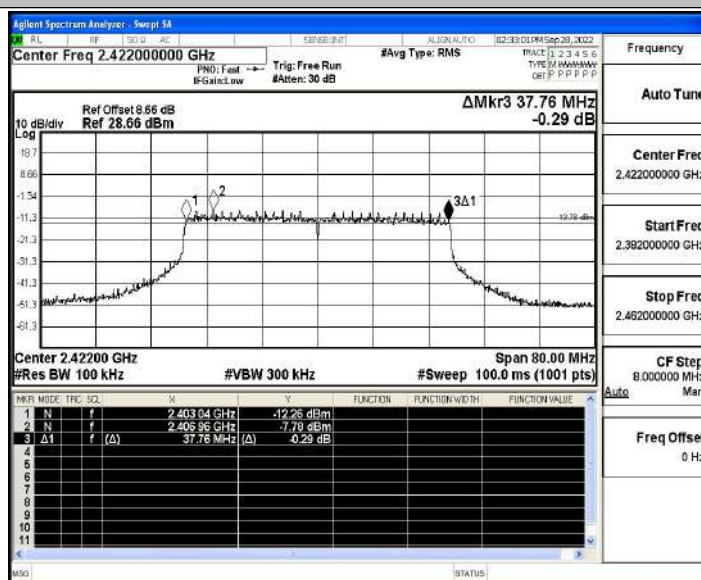


11AX20SISO\_Ant1\_2462





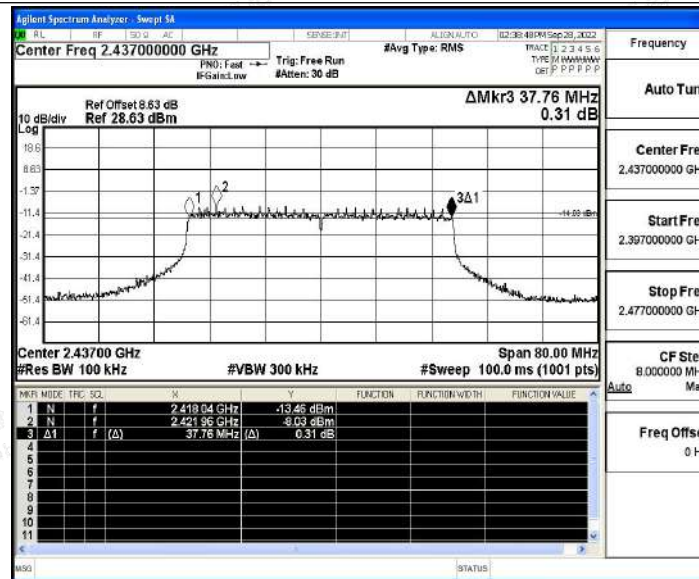
11AX40SISO Ant1 2422



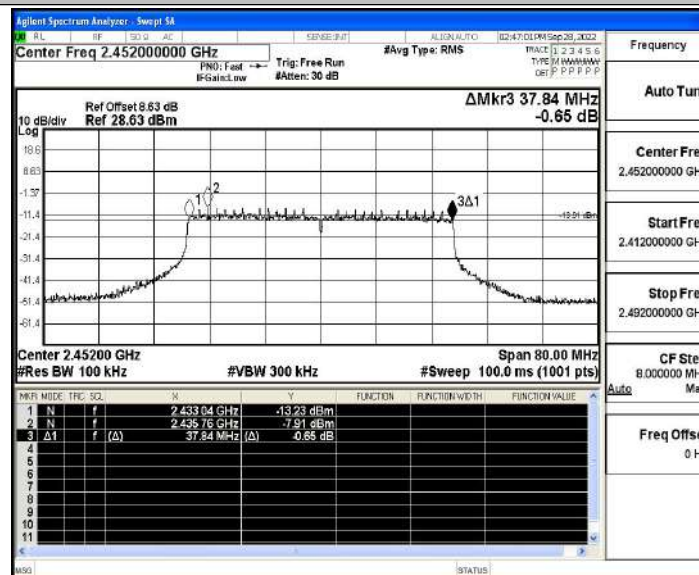
11AX40SISO Ant1 2437



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11AX40SISO\_Ant1\_2452





## C.2 Maximum conducted output power

### Test Result

| TestMode   | Antenna | Freq(MHz) | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|------------|---------|-----------|-----------------|----------------------|---------|
| 11B        | Ant1    | 2412      | 16.39           | ≤30.00               | PASS    |
|            |         | 2437      | 15.57           | ≤30.00               | PASS    |
|            |         | 2462      | 15.25           | ≤30.00               | PASS    |
| 11G        | Ant1    | 2412      | 15.45           | ≤30.00               | PASS    |
|            |         | 2437      | 14.59           | ≤30.00               | PASS    |
|            |         | 2462      | 14.31           | ≤30.00               | PASS    |
| 11N20SISO  | Ant1    | 2412      | 15.55           | ≤30.00               | PASS    |
|            |         | 2437      | 14.77           | ≤30.00               | PASS    |
|            |         | 2462      | 14.46           | ≤30.00               | PASS    |
| 11N40SISO  | Ant1    | 2422      | 15.13           | ≤30.00               | PASS    |
|            |         | 2437      | 14.49           | ≤30.00               | PASS    |
|            |         | 2452      | 14.49           | ≤30.00               | PASS    |
| 11AX20SISO | Ant1    | 2412      | 16.69           | ≤30.00               | PASS    |
|            |         | 2437      | 15.86           | ≤30.00               | PASS    |
|            |         | 2462      | 15.48           | ≤30.00               | PASS    |
| 11AX40SISO | Ant1    | 2422      | 16.17           | ≤30.00               | PASS    |
|            |         | 2437      | 15.62           | ≤30.00               | PASS    |
|            |         | 2452      | 15.62           | ≤30.00               | PASS    |



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### C.3 Maximum power spectral density

#### Test Result

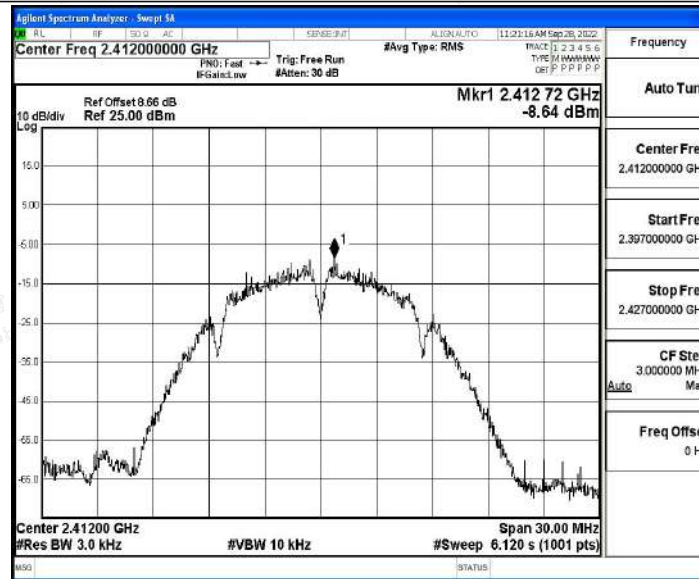
| TestMode   | Antenna | Freq(MHz) | Result<br>[dBm/3kHz] | Limit<br>[dBm/3kHz] | Gain<br>[dBi] | Verdict |
|------------|---------|-----------|----------------------|---------------------|---------------|---------|
| 11B        | Ant1    | 2412      | -8.64                | ≤8.00               | 0.00          | PASS    |
|            |         | 2437      | -9.94                | ≤8.00               | 0.00          | PASS    |
|            |         | 2462      | -10.13               | ≤8.00               | 0.00          | PASS    |
| 11G        | Ant1    | 2412      | -17.89               | ≤8.00               | 0.00          | PASS    |
|            |         | 2437      | -19.42               | ≤8.00               | 0.00          | PASS    |
|            |         | 2462      | -20.59               | ≤8.00               | 0.00          | PASS    |
| 11N20SISO  | Ant1    | 2412      | -17.88               | ≤8.00               | 0.00          | PASS    |
|            |         | 2437      | -18.46               | ≤8.00               | 0.00          | PASS    |
|            |         | 2462      | -19.67               | ≤8.00               | 0.00          | PASS    |
| 11N40SISO  | Ant1    | 2422      | -21.27               | ≤8.00               | 0.00          | PASS    |
|            |         | 2437      | -22.56               | ≤8.00               | 0.00          | PASS    |
|            |         | 2452      | -22.45               | ≤8.00               | 0.00          | PASS    |
| 11AX20SISO | Ant1    | 2412      | -18.69               | ≤8.00               | 0.00          | PASS    |
|            |         | 2437      | -19.08               | ≤8.00               | 0.00          | PASS    |
|            |         | 2462      | -20.03               | ≤8.00               | 0.00          | PASS    |
| 11AX40SISO | Ant1    | 2422      | -21.48               | ≤8.00               | 0.00          | PASS    |
|            |         | 2437      | -21.5                | ≤8.00               | 0.00          | PASS    |
|            |         | 2452      | -22.34               | ≤8.00               | 0.00          | PASS    |



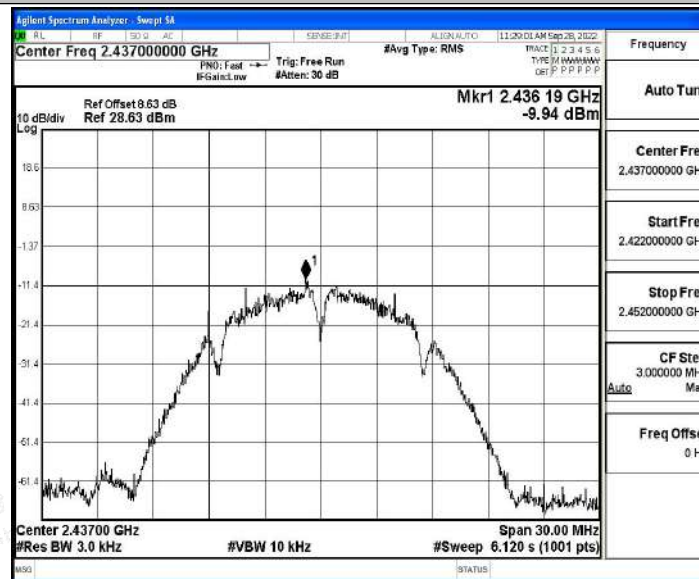


## Test Graphs

11B\_Ant1\_2412

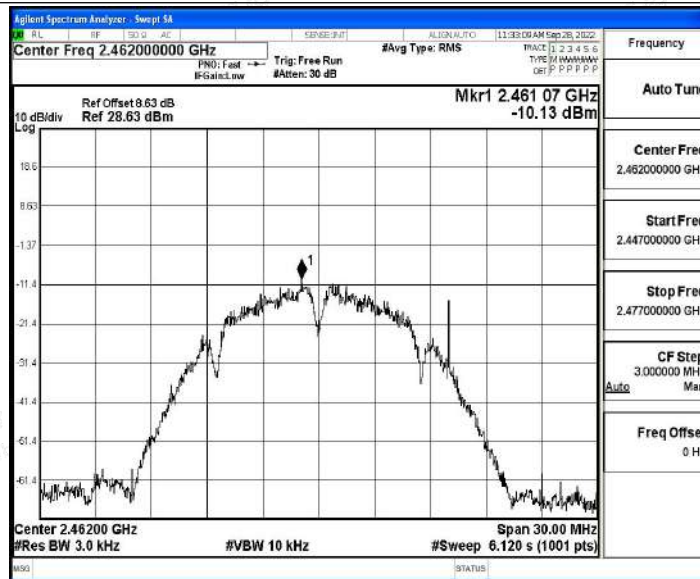


11B\_Ant1\_2437

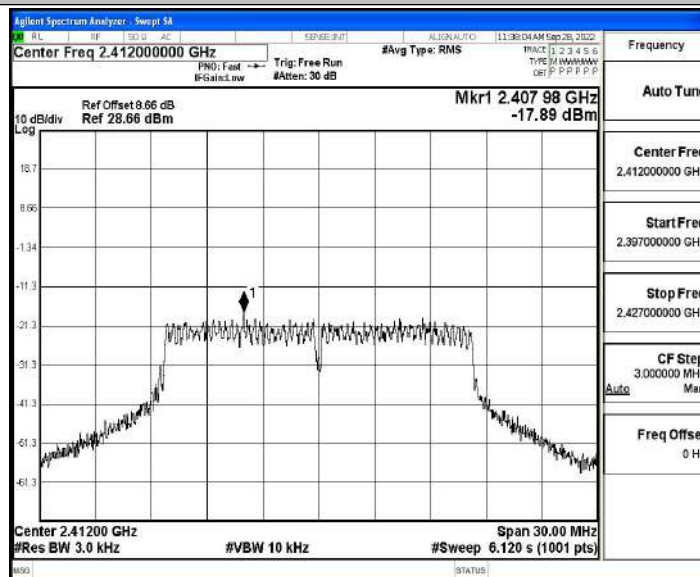


11B\_Ant1\_2462



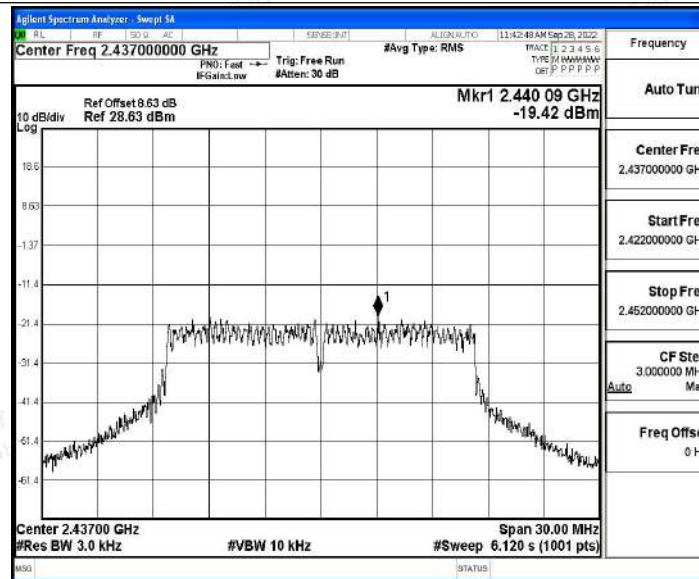


11G\_Ant1\_2412

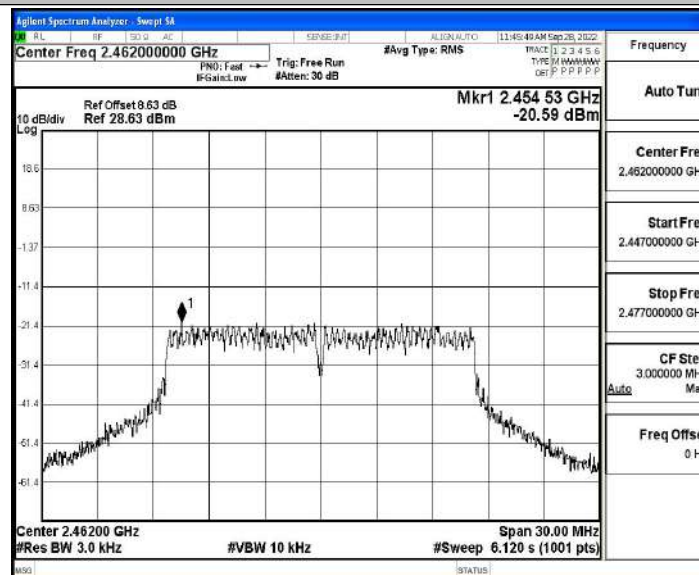


11G\_Ant1\_2437



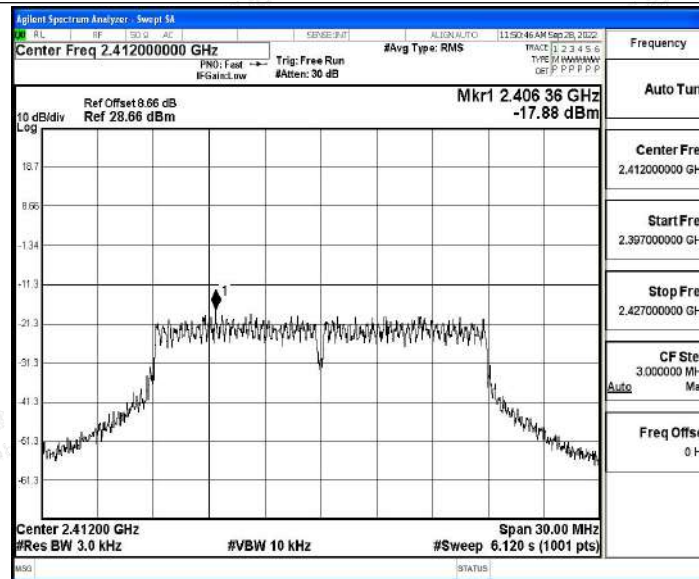


11G\_Ant1\_2462

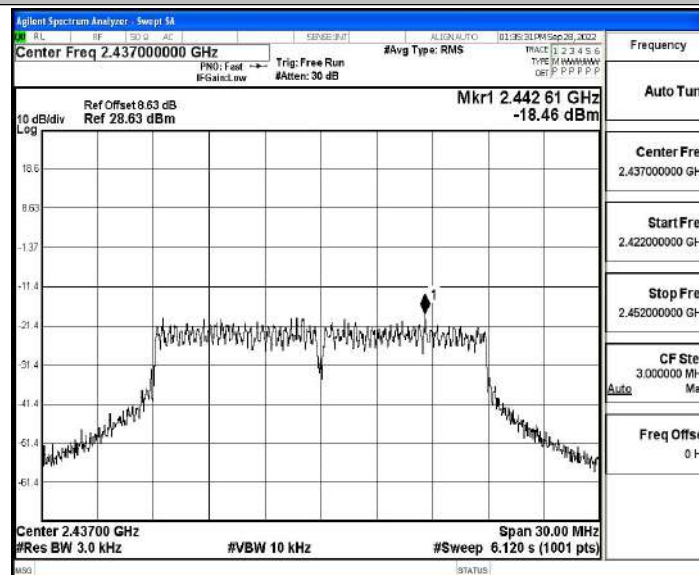


11N20SISO\_Ant1\_2412



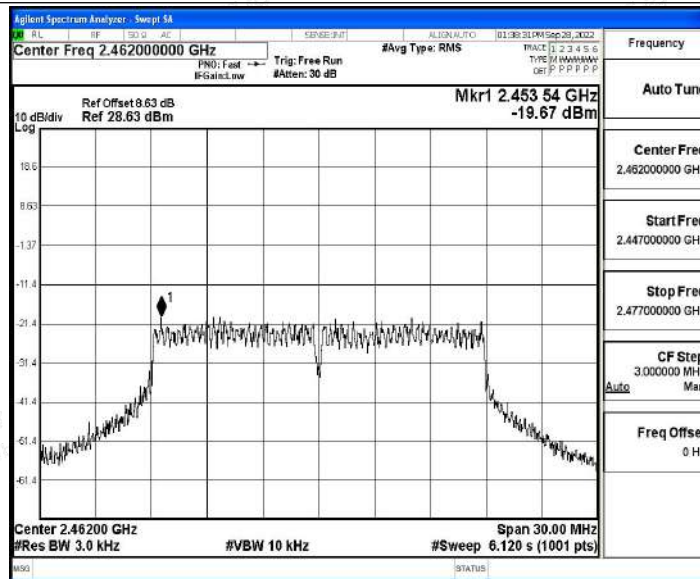


11N20SISO\_Ant1\_2437

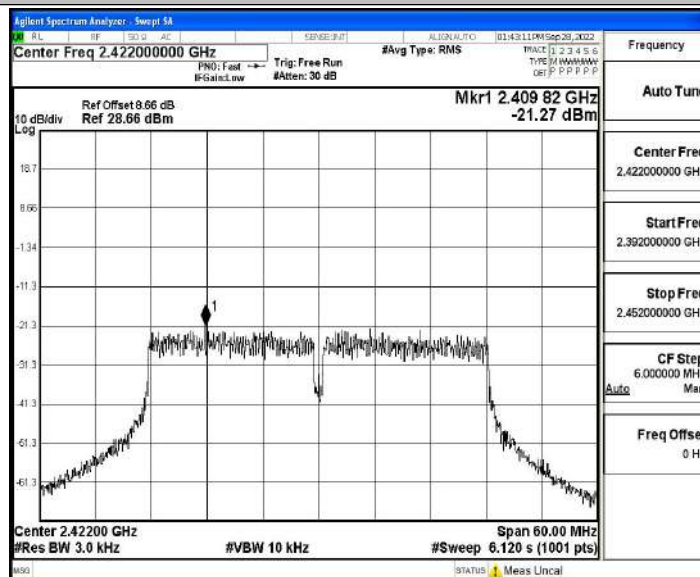


11N20SISO\_Ant1\_2462



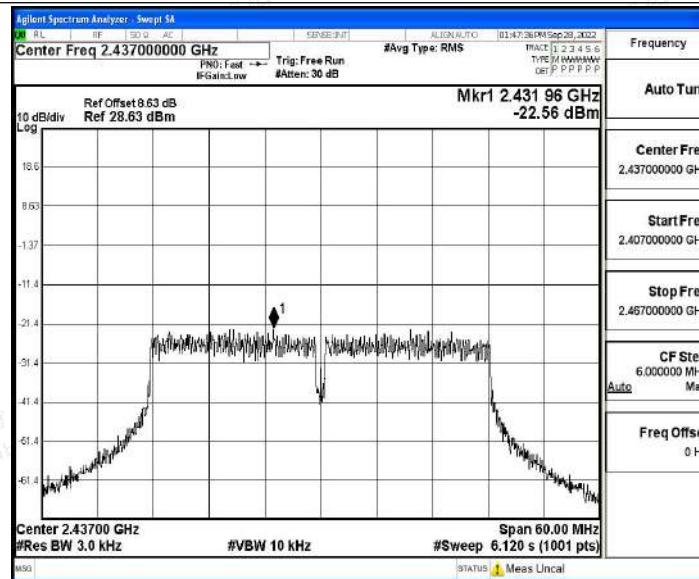


11N40SISO\_Ant1\_2422

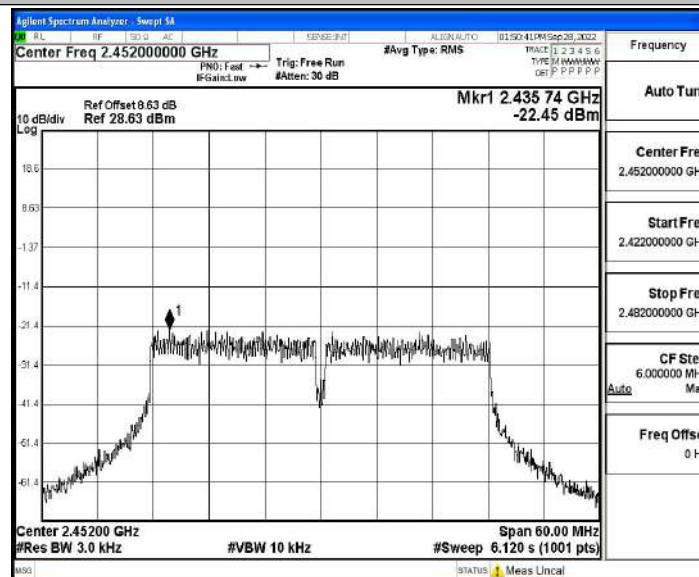


11N40SISO\_Ant1\_2437



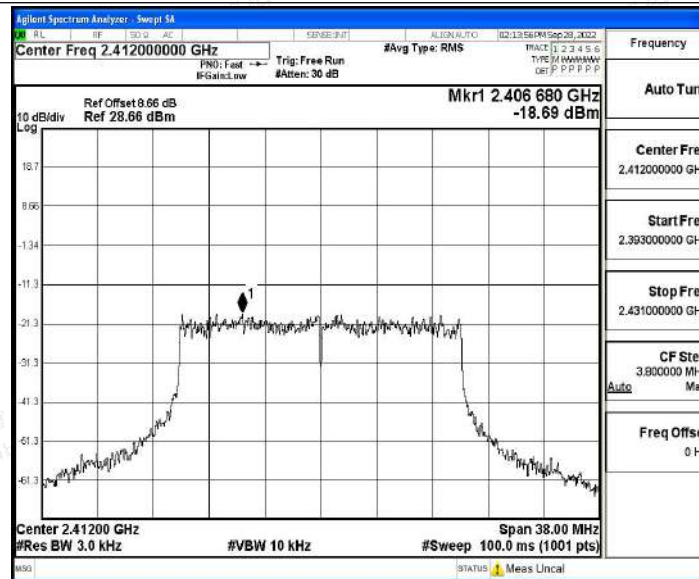


11N40SISO\_Ant1\_2452

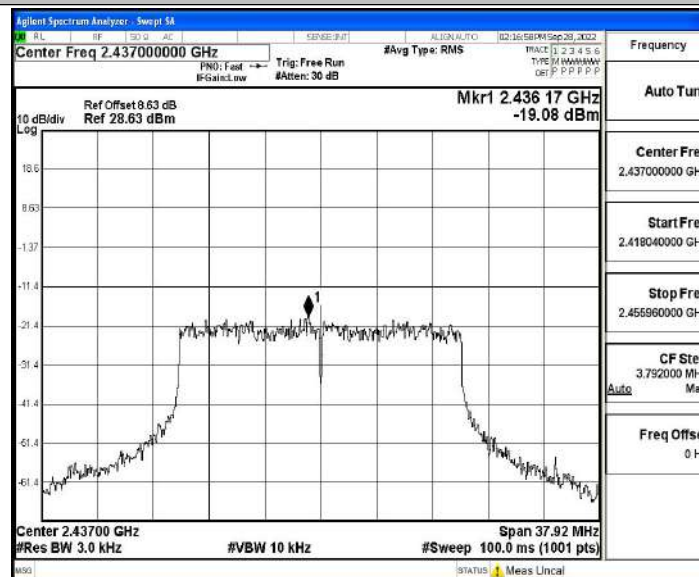


11AX20SISO\_Ant1\_2412



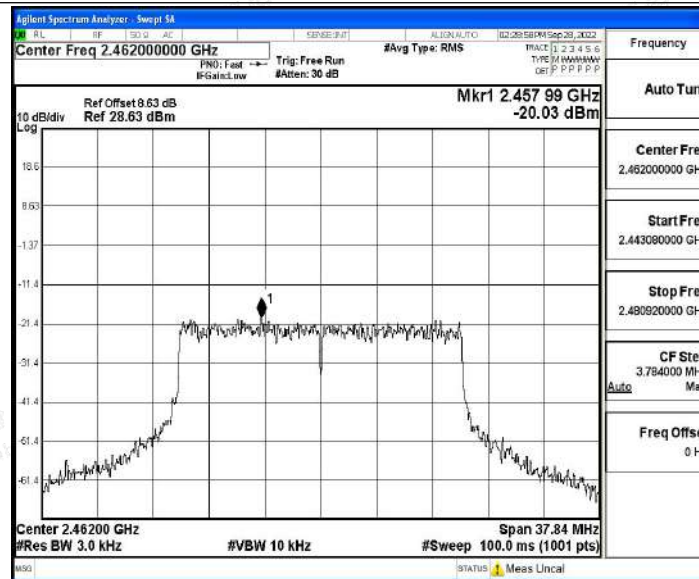


11AX20SISO\_Ant1\_2437

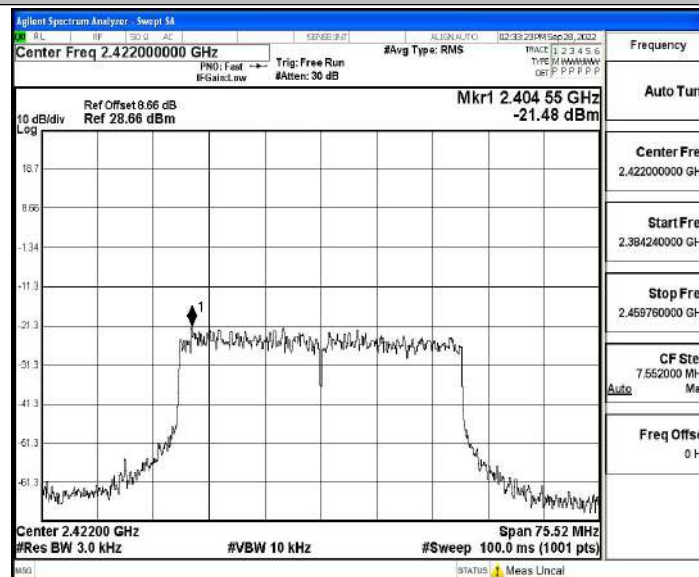


11AX20SISO\_Ant1\_2462



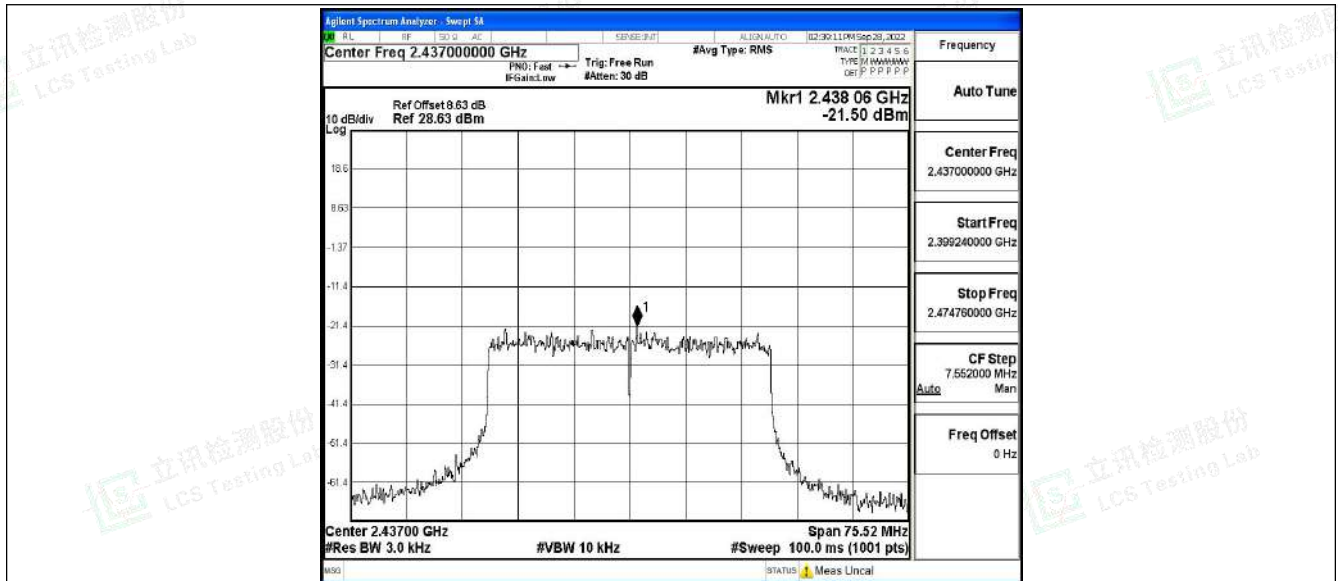


11AX40SISO\_Ant1\_2422

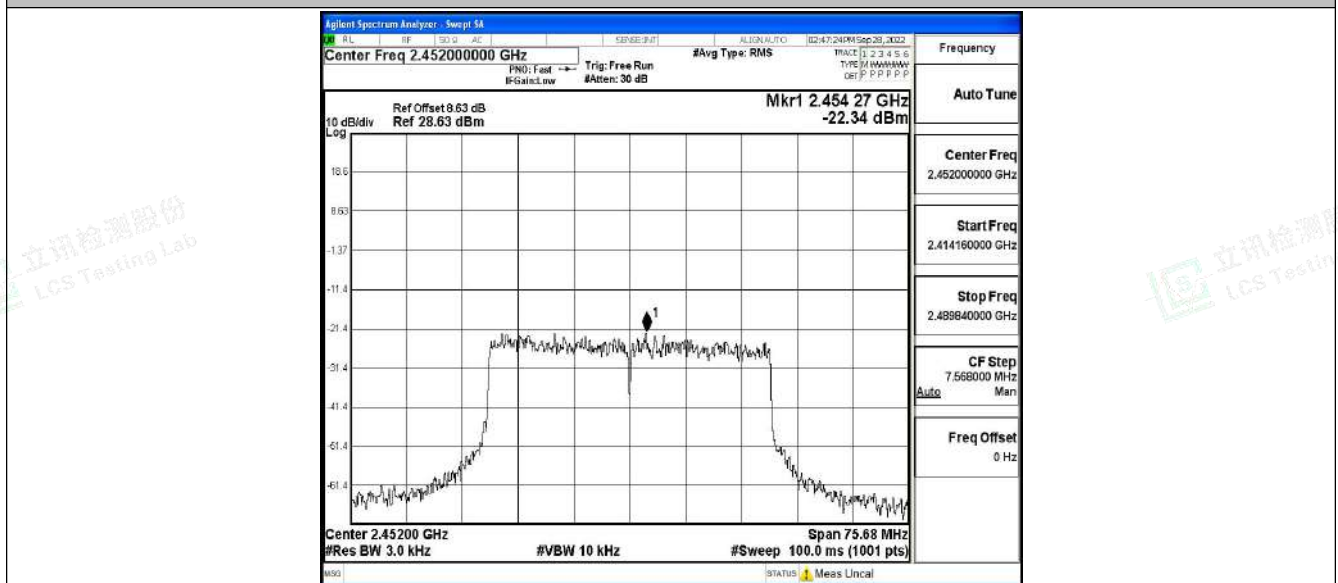


11AX40SISO\_Ant1\_2437





11AX40SISO\_Ant1\_2452





## C.4 Band edge measurements

### Test Result

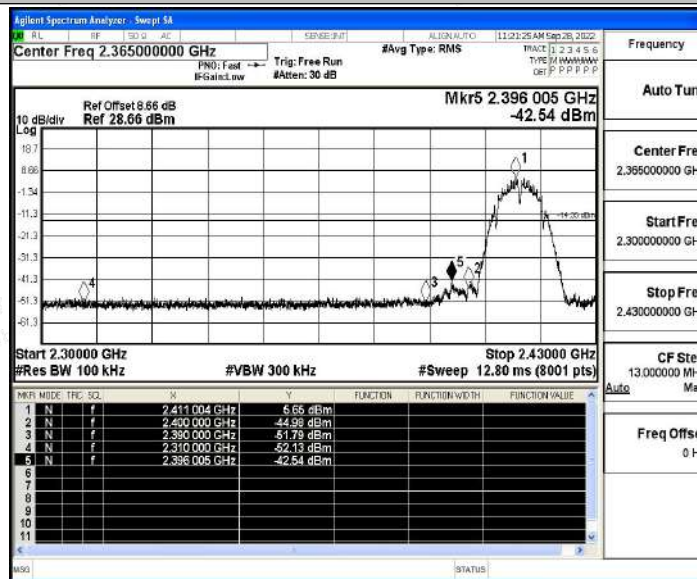
| TestMode   | Antenna | ChName | Freq(MHz) | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|-----------|---------------|-------------|------------|---------|
| 11B        | Ant1    | Low    | 2412      | 5.65          | -42.55      | ≤-14.35    | PASS    |
|            |         | High   | 2462      | 4.75          | -48.52      | ≤-15.25    | PASS    |
| 11G        | Ant1    | Low    | 2412      | -3.78         | -32.85      | ≤-23.78    | PASS    |
|            |         | High   | 2462      | -5.01         | -48.53      | ≤-25.01    | PASS    |
| 11N20SISO  | Ant1    | Low    | 2412      | -3.97         | -32.07      | ≤-23.97    | PASS    |
|            |         | High   | 2462      | -5.04         | -48.23      | ≤-25.04    | PASS    |
| 11N40SISO  | Ant1    | Low    | 2422      | -7.29         | -36.21      | ≤-27.29    | PASS    |
|            |         | High   | 2452      | -8.13         | -48.29      | ≤-28.13    | PASS    |
| 11AX20SISO | Ant1    | Low    | 2412      | -3.95         | -32.15      | ≤-23.95    | PASS    |
|            |         | High   | 2462      | -5.34         | -47.67      | ≤-25.34    | PASS    |
| 11AX40SISO | Ant1    | Low    | 2422      | -7.10         | -36.26      | ≤-27.1     | PASS    |
|            |         | High   | 2452      | -7.92         | -48.83      | ≤-27.92    | PASS    |



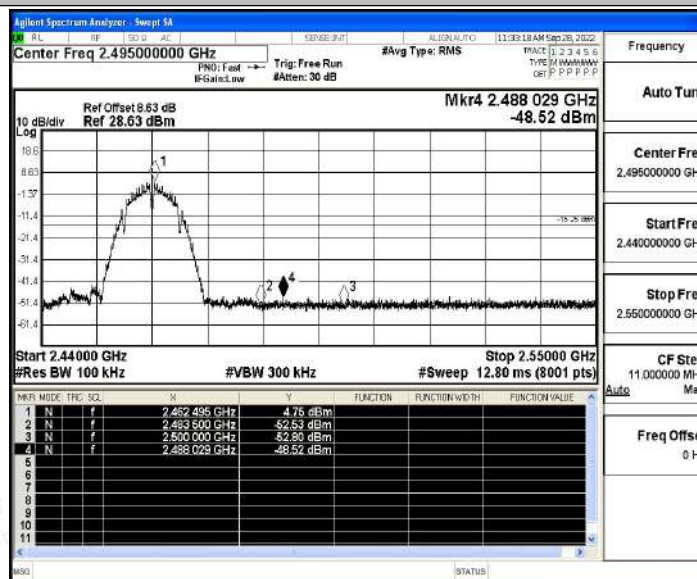


## Test Graphs

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412

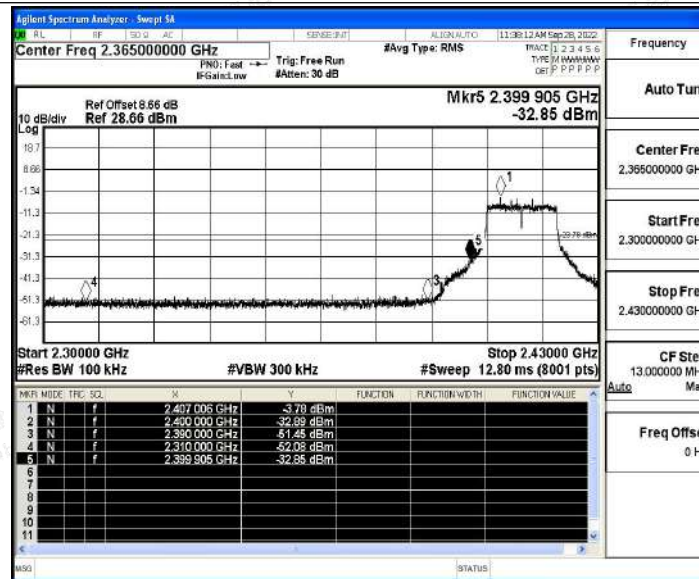


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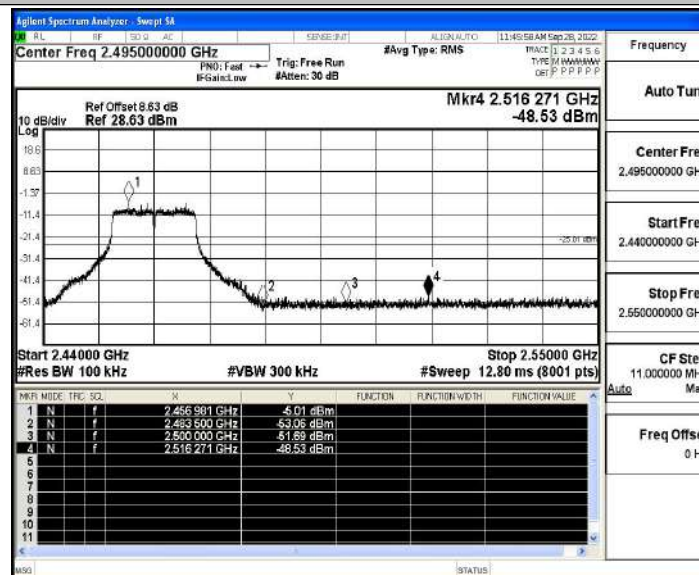
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

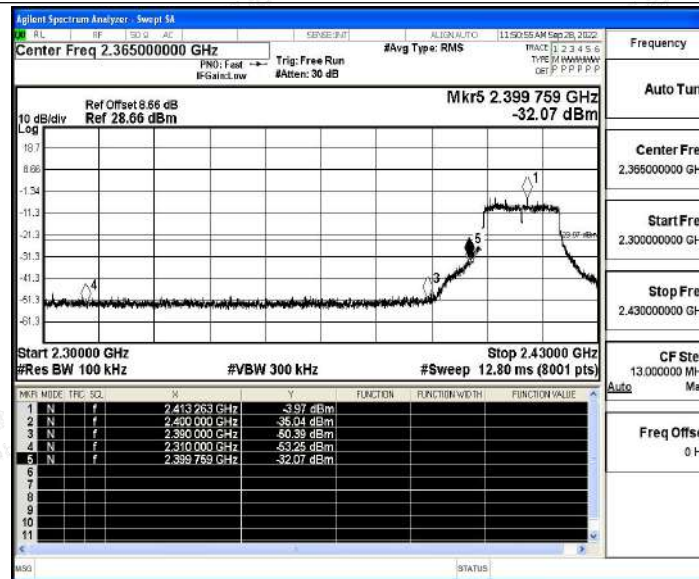


11G\_Ant1\_High\_2462

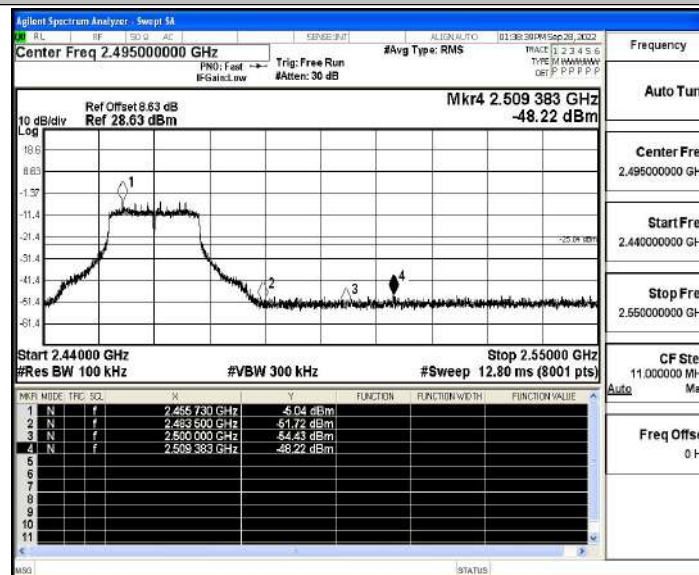


11N20SISO\_Ant1\_Low\_2412



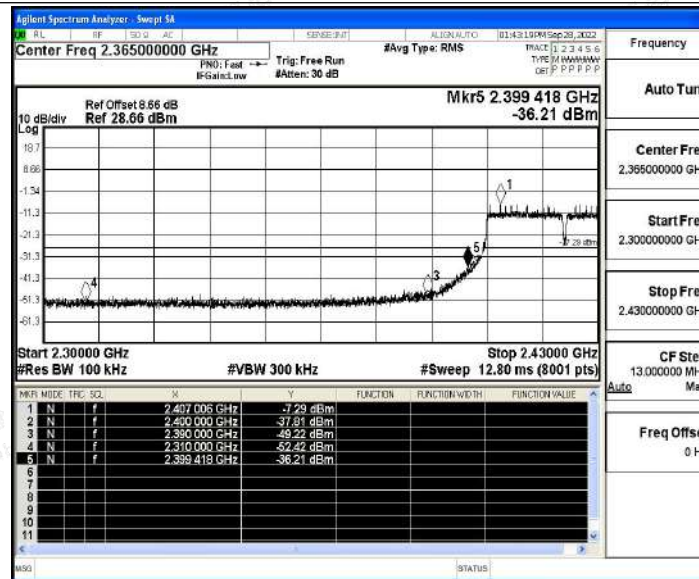


11N20SISO\_Ant1\_High\_2462

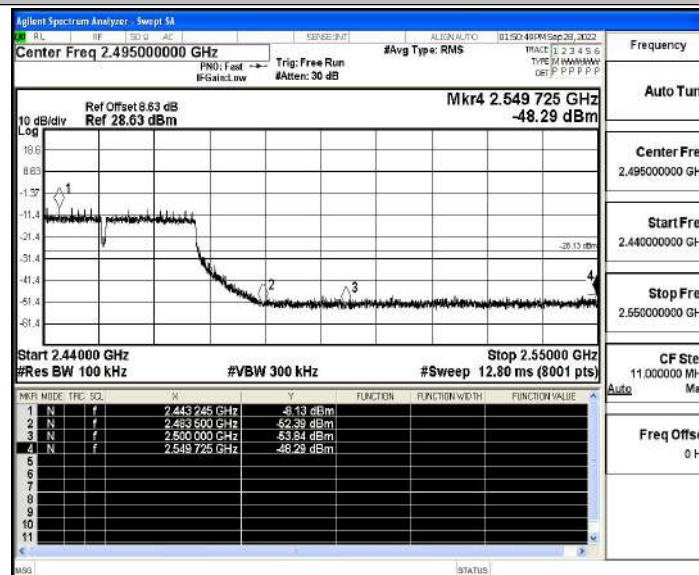


11N40SISO\_Ant1\_Low\_2422



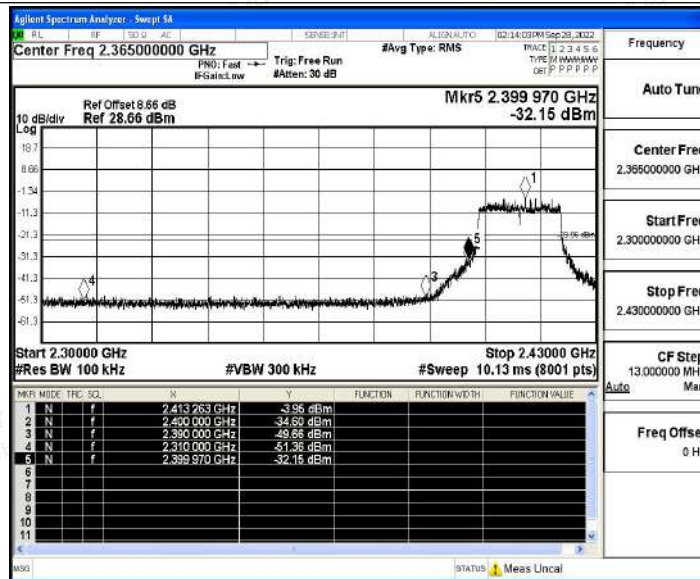


11N40SISO\_Ant1\_High\_2452

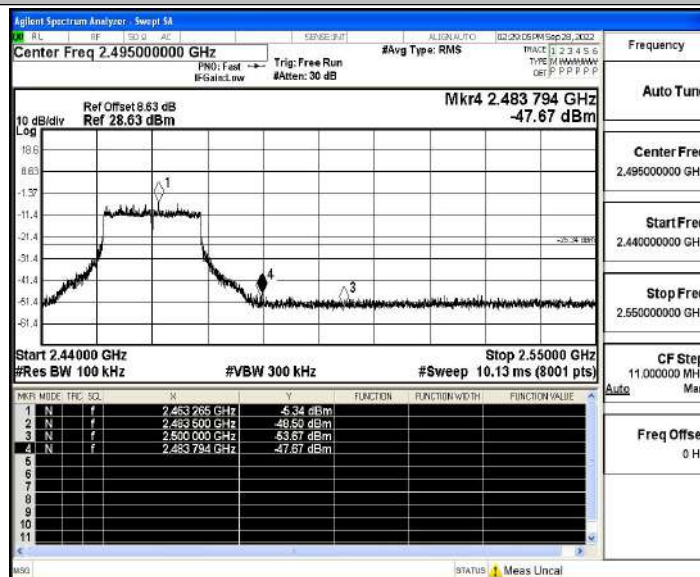


11AX20SISO\_Ant1\_Low\_2412



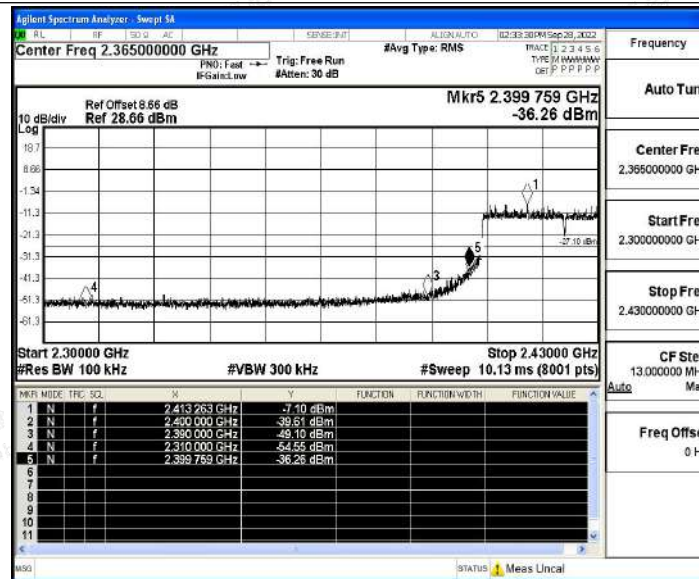


11AX20SISO\_Ant1\_High\_2462

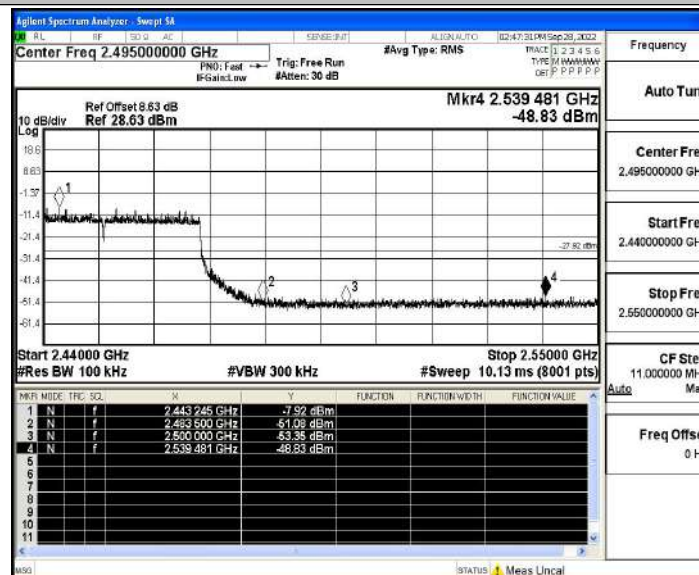


11AX40SISO\_Ant1\_Low\_2422





11AX40SISO\_Ant1\_High\_2452





## C.5 Conducted Spurious Emission

### Test Result

| TestMode  | Antenna | Freq(MHz) | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|-----------|-----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412      | Reference       | 5.58           | 5.58         | ---         | PASS    |
|           |         |           | 30~1000         | 5.58           | -60.82       | ≤-14.42     | PASS    |
|           |         |           | 1000~26500      | 5.58           | -46.33       | ≤-14.42     | PASS    |
|           |         | 2437      | Reference       | 2.89           | 2.89         | ---         | PASS    |
|           |         |           | 30~1000         | 2.89           | -59.69       | ≤-17.11     | PASS    |
|           |         |           | 1000~26500      | 2.89           | -46.09       | ≤-17.11     | PASS    |
|           |         | 2462      | Reference       | 4.43           | 4.43         | ---         | PASS    |
|           |         |           | 30~1000         | 4.43           | -52.49       | ≤-15.57     | PASS    |
|           |         |           | 1000~26500      | 4.43           | -45.8        | ≤-15.57     | PASS    |
| 11G       | Ant1    | 2412      | Reference       | -7.23          | -7.23        | ---         | PASS    |
|           |         |           | 30~1000         | -7.23          | -60.96       | ≤-27.23     | PASS    |
|           |         |           | 1000~26500      | -7.23          | -45.43       | ≤-27.23     | PASS    |
|           |         | 2437      | Reference       | -8.09          | -8.09        | ---         | PASS    |
|           |         |           | 30~1000         | -8.09          | -60.44       | ≤-28.09     | PASS    |
|           |         |           | 1000~26500      | -8.09          | -45.77       | ≤-28.09     | PASS    |
|           |         | 2462      | Reference       | -8.39          | -8.39        | ---         | PASS    |
|           |         |           | 30~1000         | -8.39          | -56.96       | ≤-28.39     | PASS    |
|           |         |           | 1000~26500      | -8.39          | -45.9        | ≤-28.39     | PASS    |
| 11N20SISO | Ant1    | 2412      | Reference       | -6.17          | -6.17        | ---         | PASS    |
|           |         |           | 30~1000         | -6.17          | -52.73       | ≤-26.17     | PASS    |
|           |         |           | 1000~26500      | -6.17          | -46.2        | ≤-26.17     | PASS    |
|           |         | 2437      | Reference       | -6.95          | -6.95        | ---         | PASS    |
|           |         |           | 30~1000         | -6.95          | -49.91       | ≤-26.95     | PASS    |
|           |         |           | 1000~26500      | -6.95          | -45.63       | ≤-26.95     | PASS    |
|           |         | 2462      | Reference       | -8.52          | -8.52        | ---         | PASS    |
|           |         |           | 30~1000         | -8.52          | -60.79       | ≤-28.52     | PASS    |
|           |         |           | 1000~26500      | -8.52          | -45.66       | ≤-28.52     | PASS    |
| 11N40SISO | Ant1    | 2422      | Reference       | -7.76          | -7.76        | ---         | PASS    |
|           |         |           | 30~1000         | -7.76          | -60.67       | ≤-27.76     | PASS    |
|           |         |           | 1000~26500      | -7.76          | -45.89       | ≤-27.76     | PASS    |
|           |         | 2437      | Reference       | -10.79         | -10.79       | ---         | PASS    |
|           |         |           | 30~1000         | -10.79         | -56.55       | ≤-30.79     | PASS    |
|           |         |           | 1000~26500      | -10.79         | -46.02       | ≤-30.79     | PASS    |
|           |         | 2452      | Reference       | -8.42          | -8.42        | ---         | PASS    |
|           |         |           | 30~1000         | -8.42          | -60.28       | ≤-28.42     | PASS    |



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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



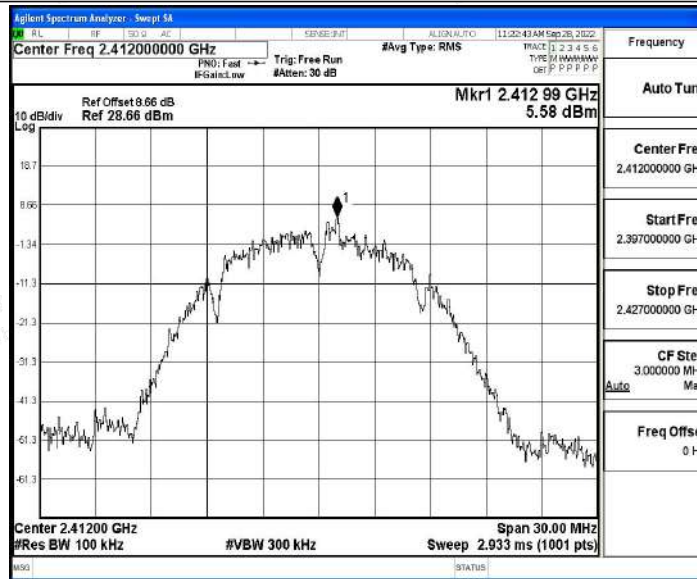
|            |      |      |            |       |        |               |      |
|------------|------|------|------------|-------|--------|---------------|------|
| 11AX20SISO | Ant1 | 2412 | 1000~26500 | -8.42 | -46.24 | $\leq -28.42$ | PASS |
|            |      |      | Reference  | -4.12 | -4.12  | ---           | PASS |
|            |      |      | 30~1000    | -4.12 | -60.58 | $\leq -24.12$ | PASS |
|            |      | 2437 | 1000~26500 | -4.12 | -45.27 | $\leq -24.12$ | PASS |
|            |      |      | Reference  | -5.29 | -5.29  | ---           | PASS |
|            |      |      | 30~1000    | -5.29 | -60.21 | $\leq -25.29$ | PASS |
|            |      | 2462 | 1000~26500 | -5.29 | -46.14 | $\leq -25.29$ | PASS |
|            |      |      | Reference  | -8.69 | -8.69  | ---           | PASS |
|            |      |      | 30~1000    | -8.69 | -60.82 | $\leq -28.69$ | PASS |
|            |      |      | 1000~26500 | -8.69 | -46.27 | $\leq -28.69$ | PASS |
| 11AX40SISO | Ant1 | 2422 | Reference  | -8.20 | -8.20  | ---           | PASS |
|            |      |      | 30~1000    | -8.20 | -60.6  | $\leq -28.2$  | PASS |
|            |      |      | 1000~26500 | -8.20 | -46.23 | $\leq -28.2$  | PASS |
|            |      | 2437 | Reference  | -8.42 | -8.42  | ---           | PASS |
|            |      |      | 30~1000    | -8.42 | -49.22 | $\leq -28.42$ | PASS |
|            |      |      | 1000~26500 | -8.42 | -46.44 | $\leq -28.42$ | PASS |
|            |      | 2452 | Reference  | -9.94 | -9.94  | ---           | PASS |
|            |      |      | 30~1000    | -9.94 | -59.59 | $\leq -29.94$ | PASS |
|            |      |      | 1000~26500 | -9.94 | -45.58 | $\leq -29.94$ | PASS |



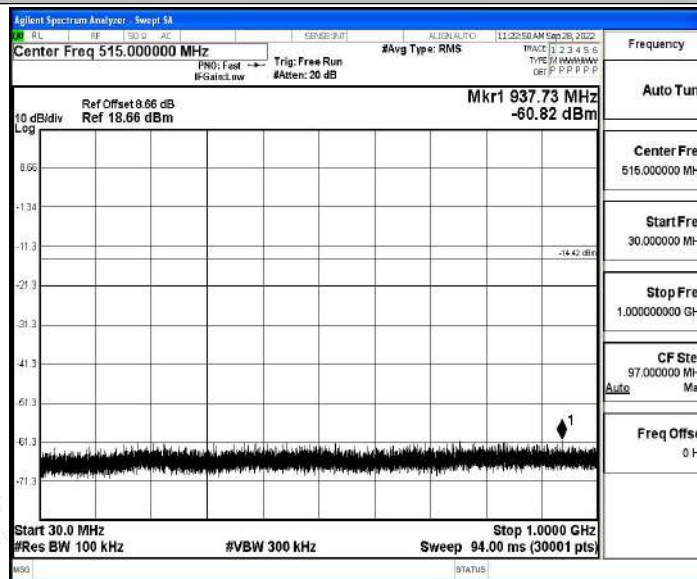


## Test Graphs

11B\_Ant1\_2412\_0~Reference

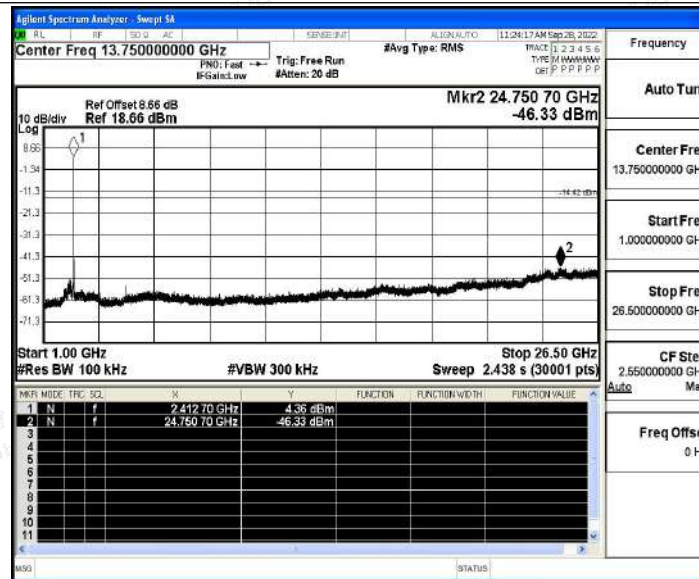


11B\_Ant1\_2412\_30~1000

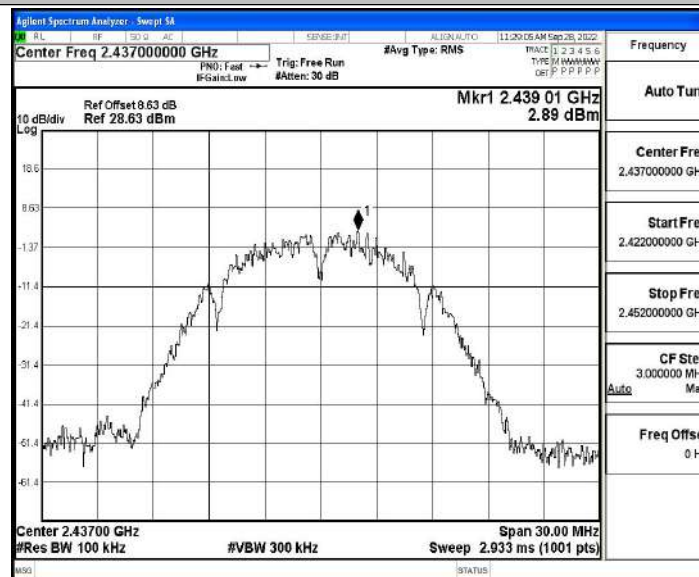


11B\_Ant1\_2412\_1000~26500





11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

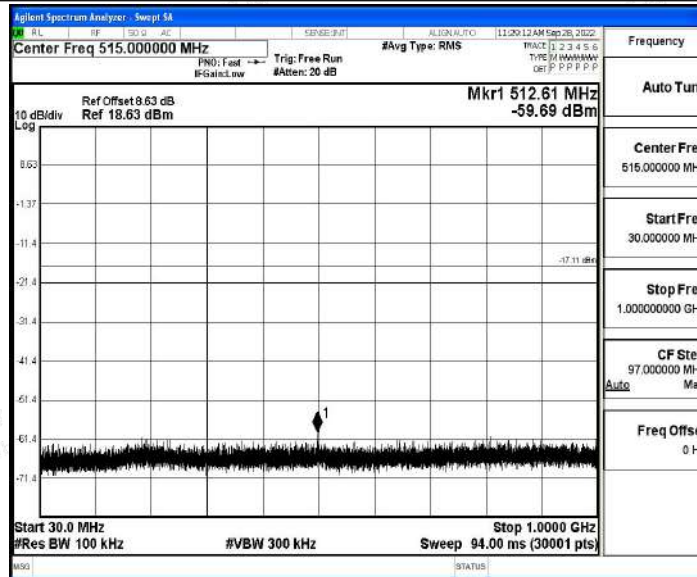


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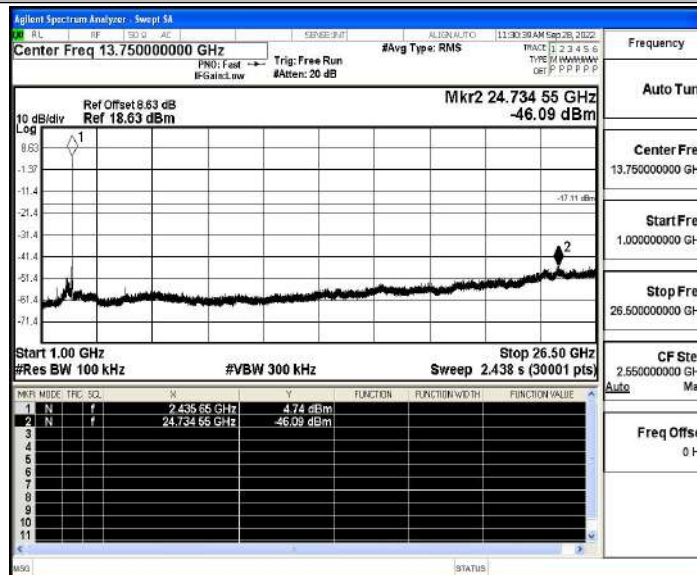
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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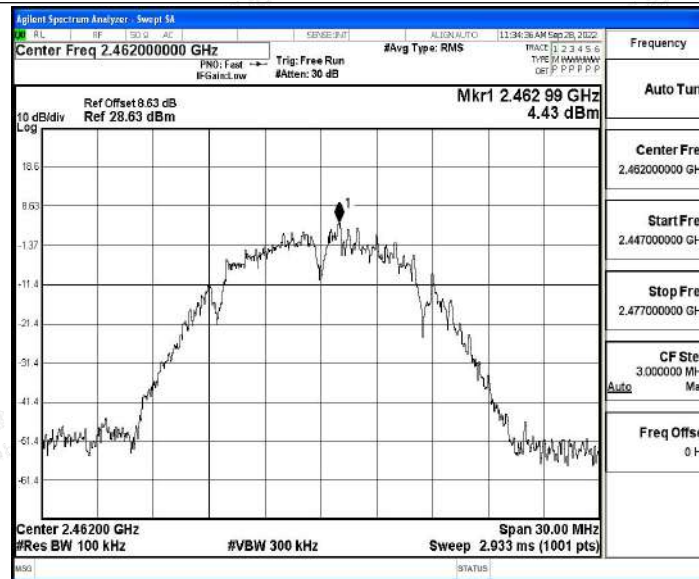


11B\_Ant1\_2437\_1000~26500

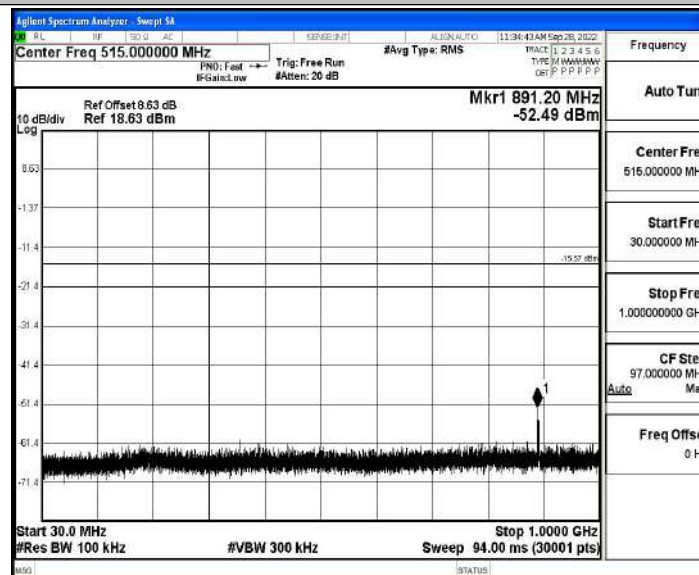


11B\_Ant1\_2462\_0~Reference



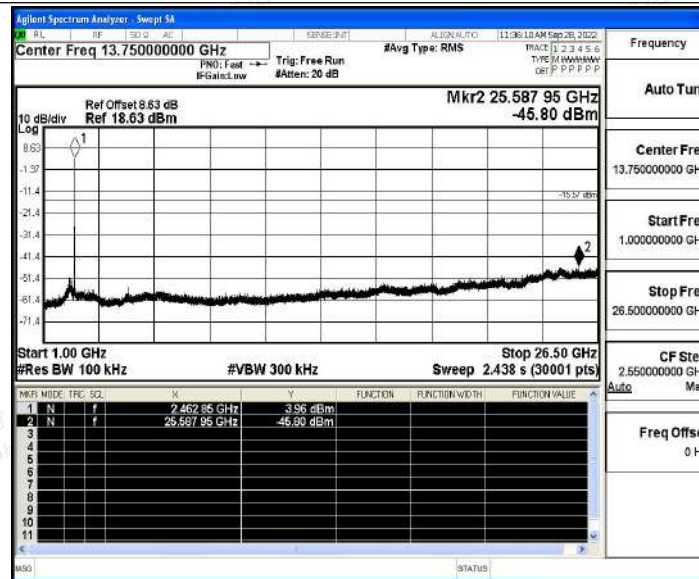


11B\_Ant1\_2462\_30~1000

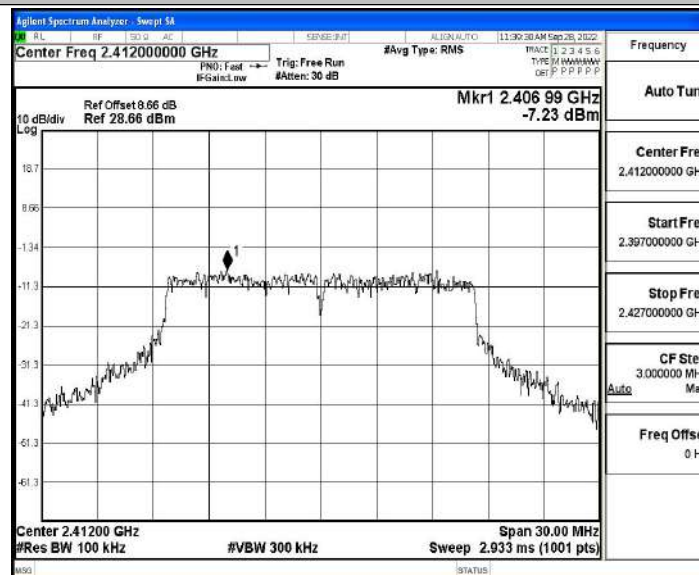


11B\_Ant1\_2462\_1000~26500





11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000

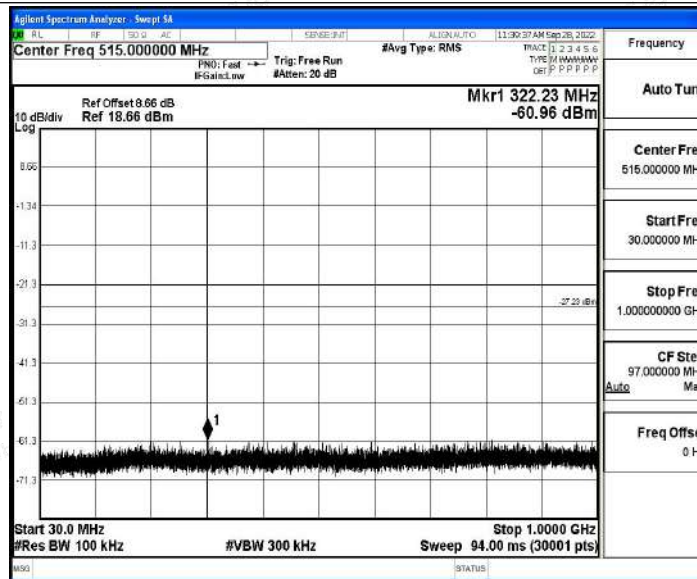


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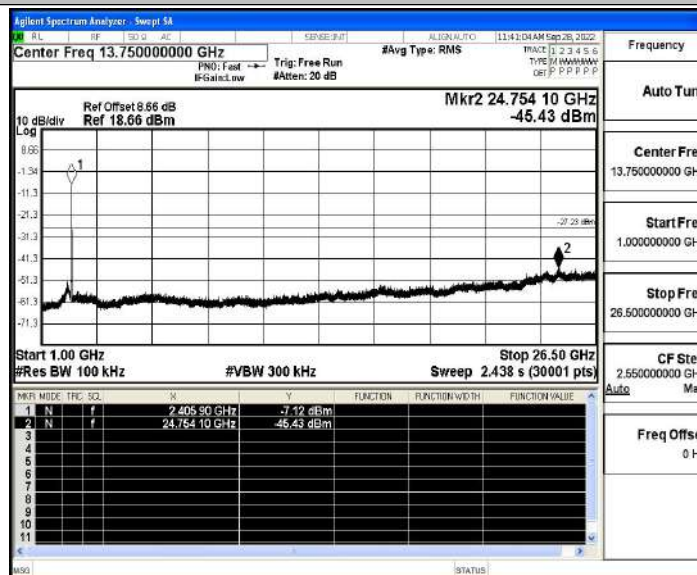
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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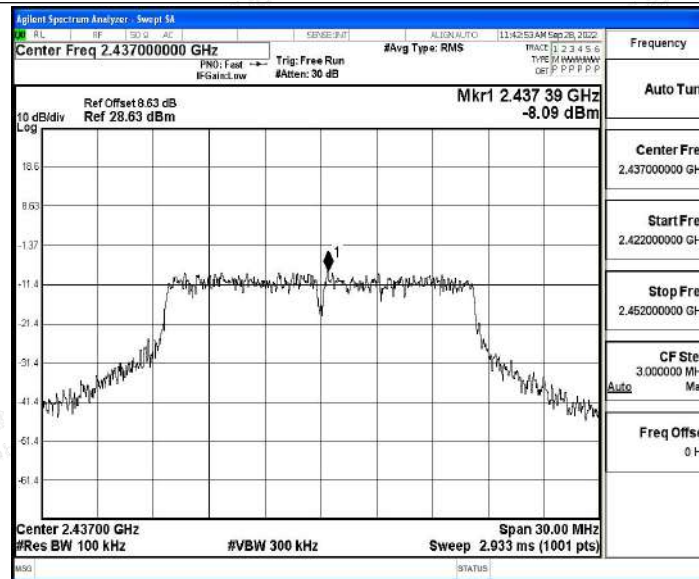


11G\_Ant1\_2412\_1000~26500

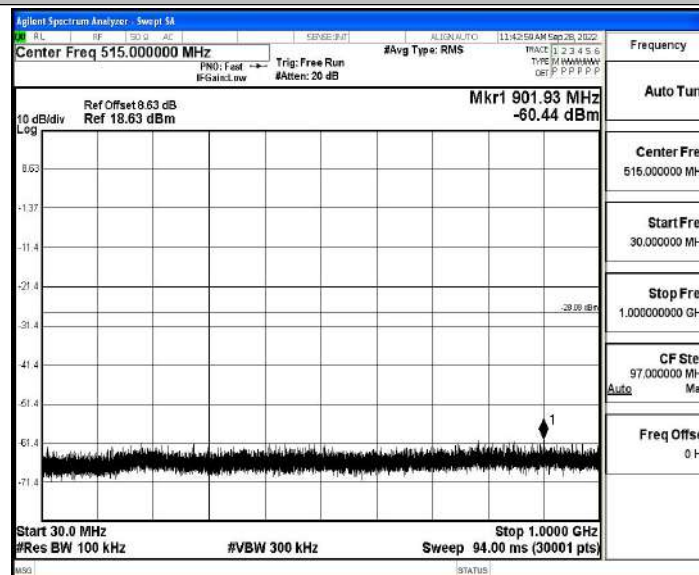


11G\_Ant1\_2437\_0~Reference



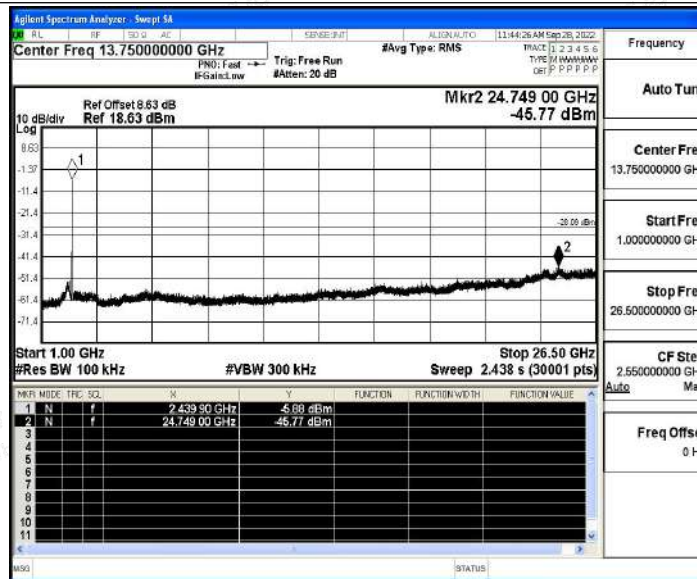


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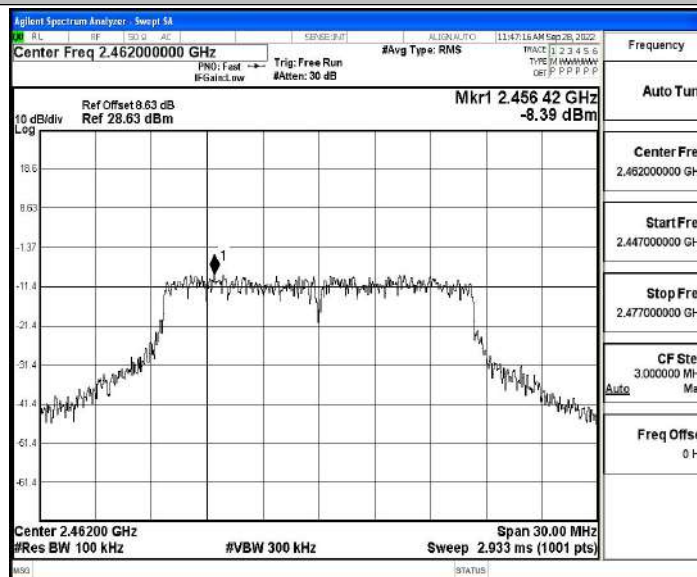


11G\_Ant1\_2437\_1000~26500





11G\_Ant1\_2462\_0~Reference



11G\_Ant1\_2462\_30~1000

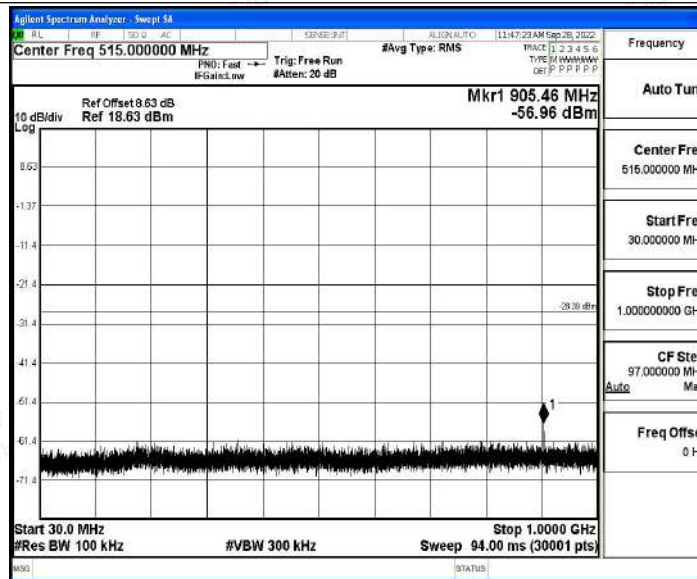


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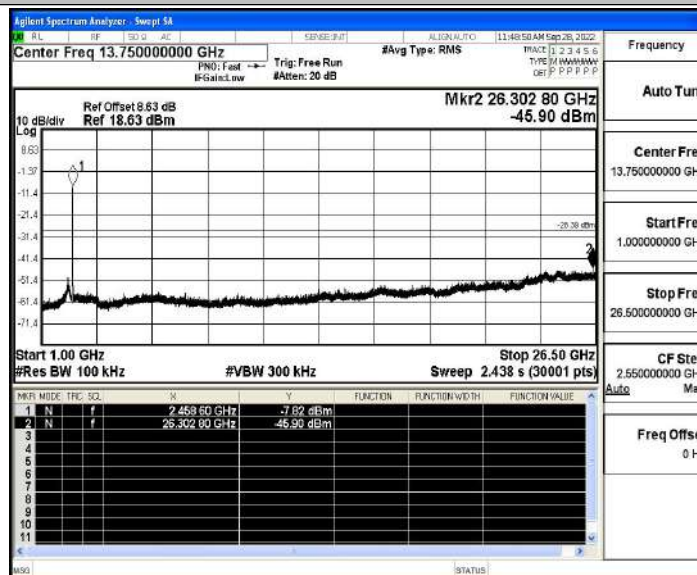
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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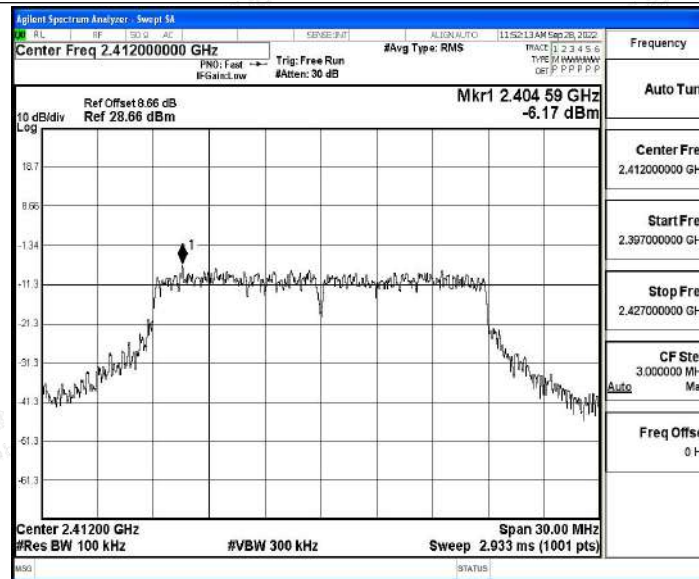


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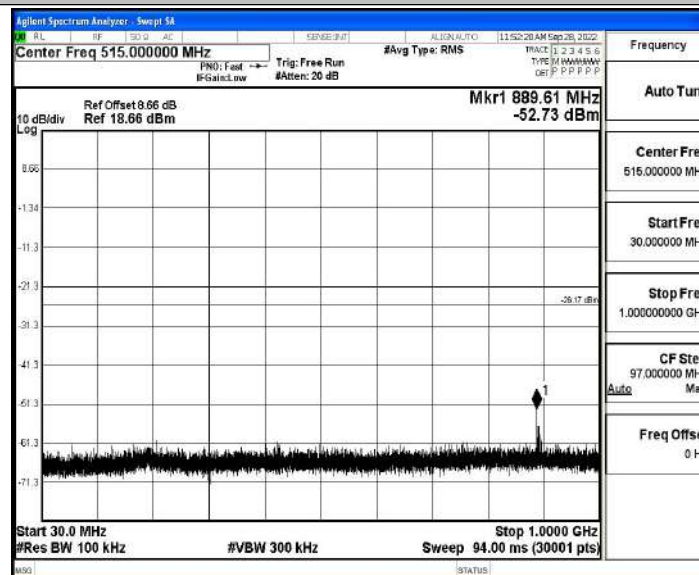


11N20SISO\_Ant1\_2412\_0~Reference



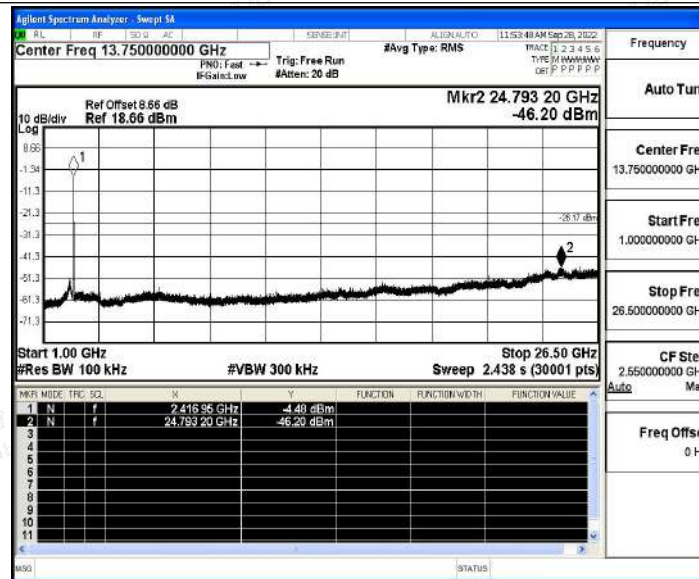


11N20SISO\_Ant1\_2412\_30~1000

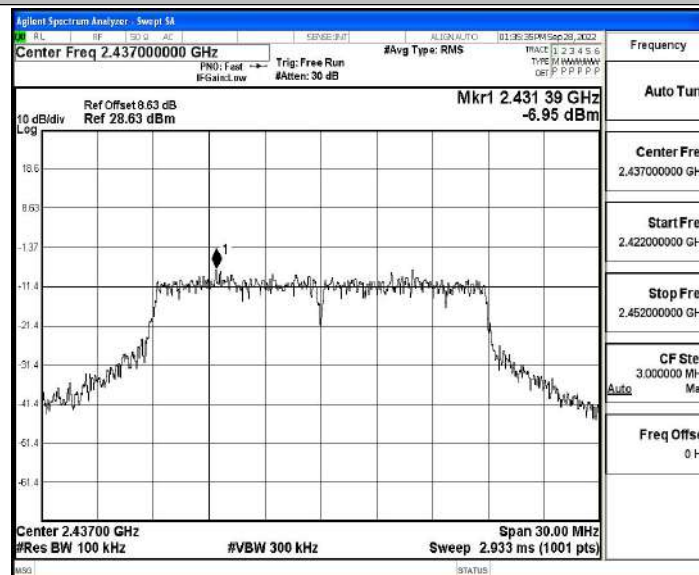


11N20SISO\_Ant1\_2412\_1000~26500





11N20SISO\_Ant1\_2437\_0~Reference



11N20SISO\_Ant1\_2437\_30~1000

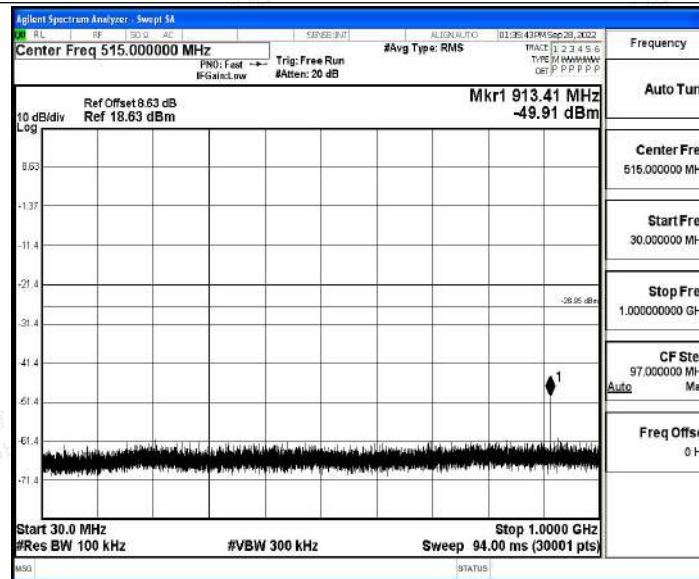


Shenzhen LCS Compliance Testing Laboratory Ltd.

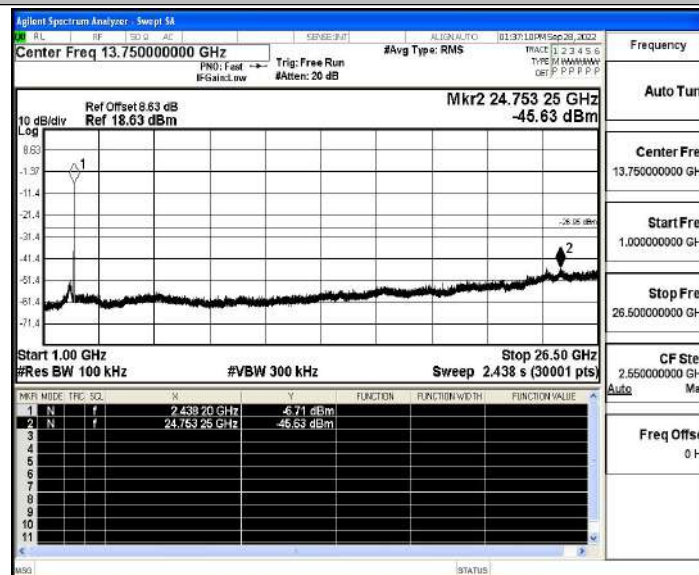
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity

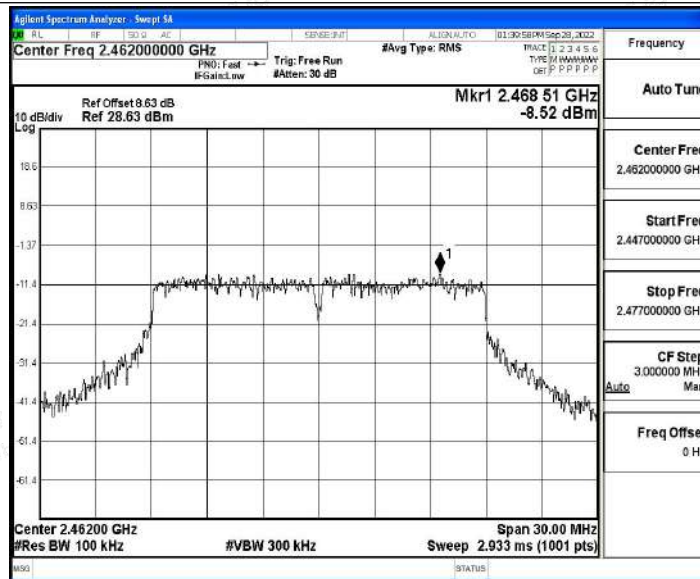


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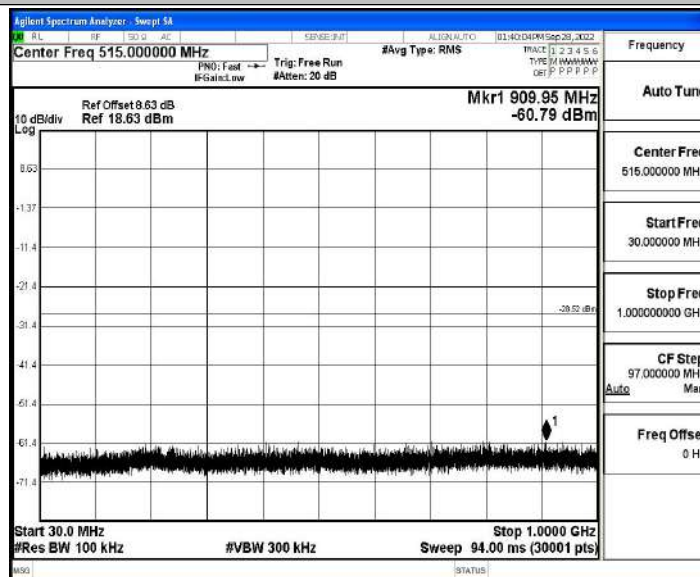


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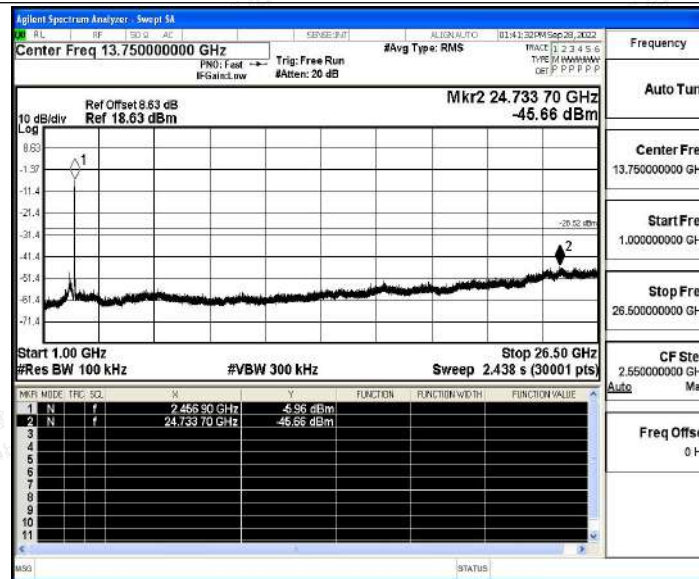


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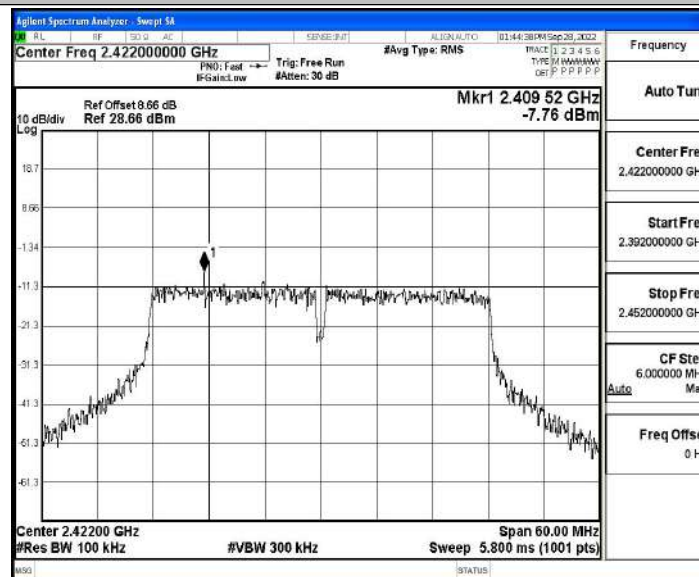


11N20SISO\_Ant1\_2462\_1000~26500



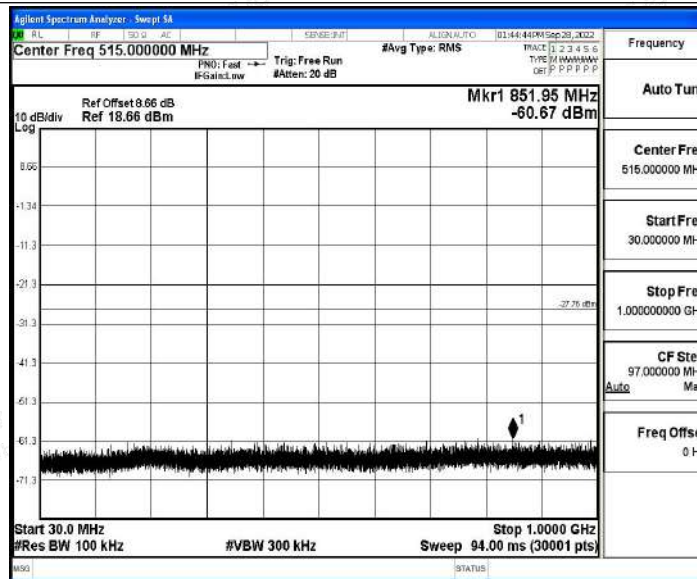


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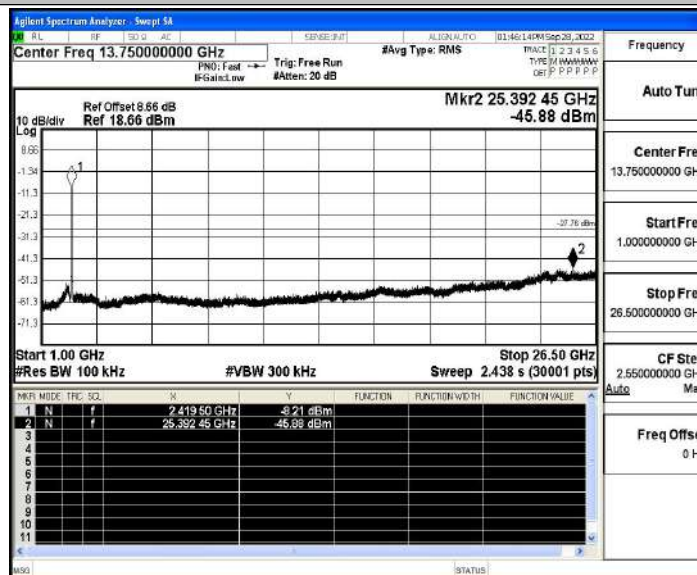


11N40SISO\_Ant1\_2422\_30~1000



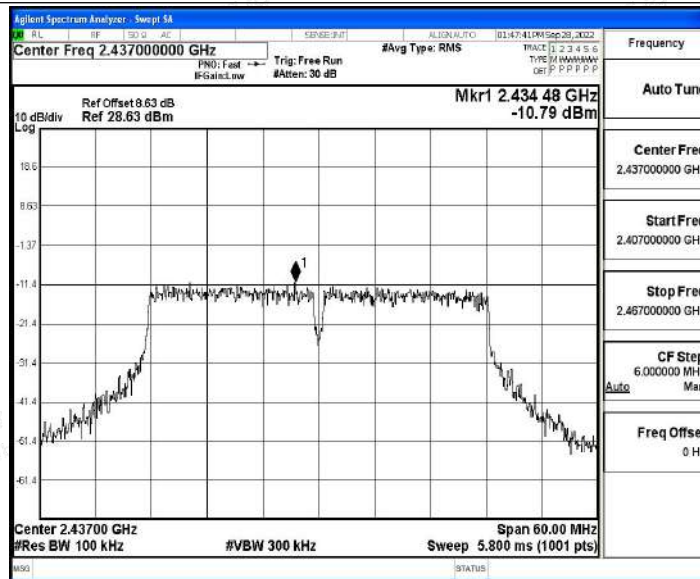


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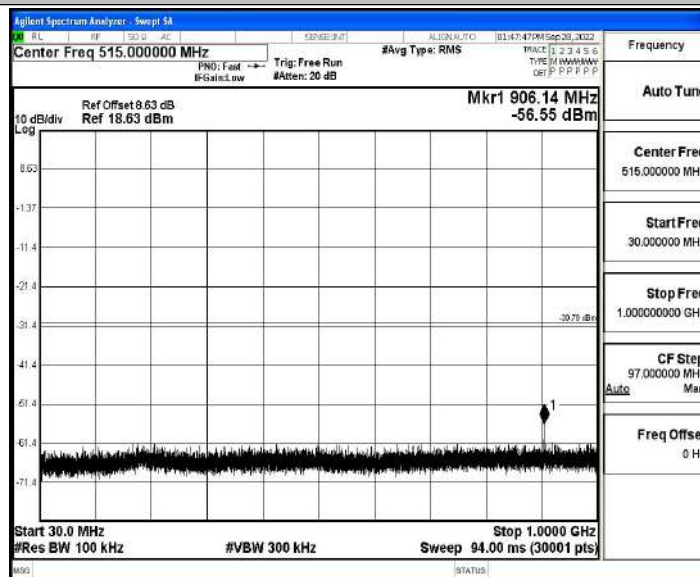


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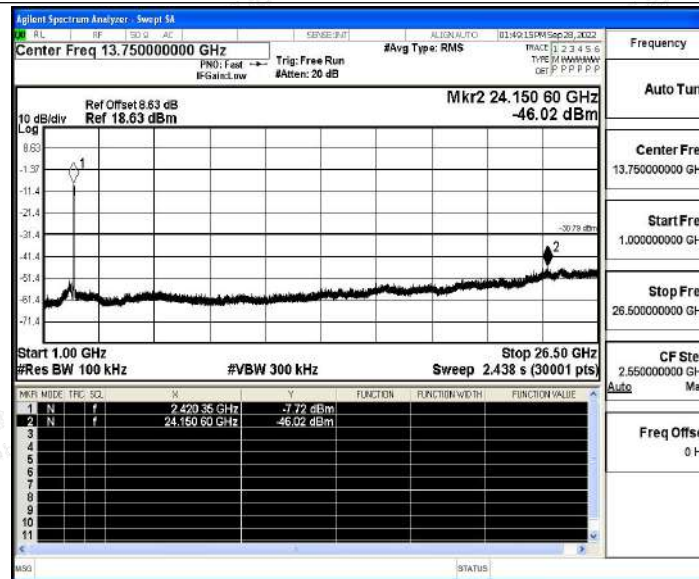


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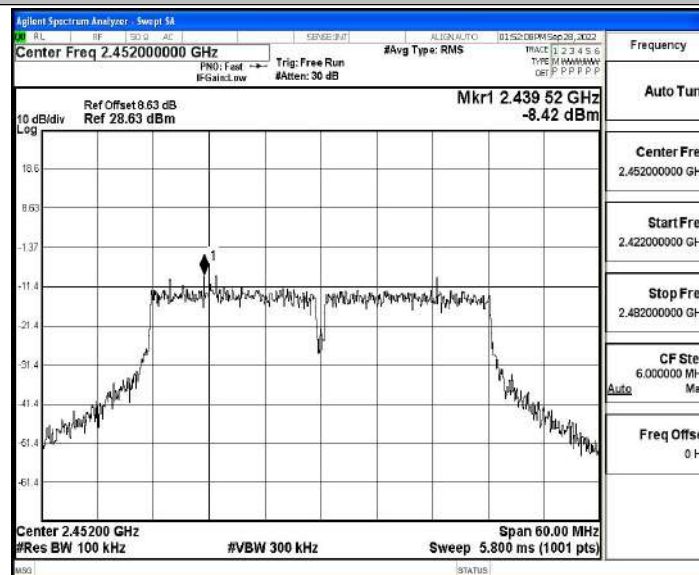


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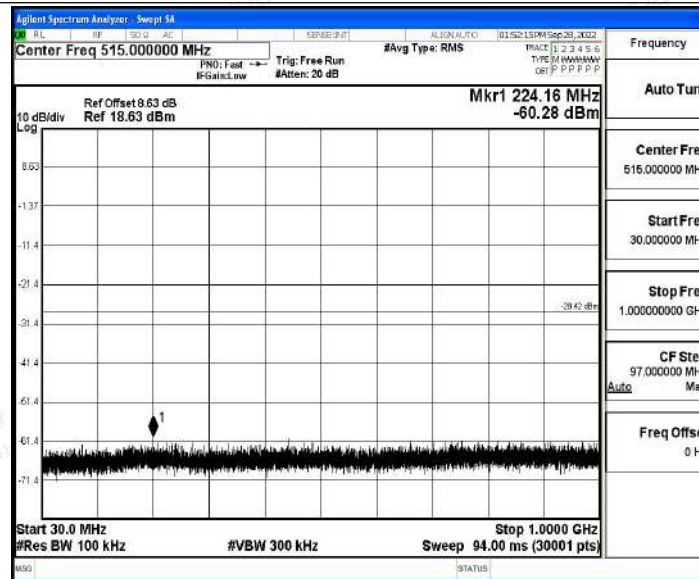


11N40SISO\_Ant1\_2452\_0~Reference

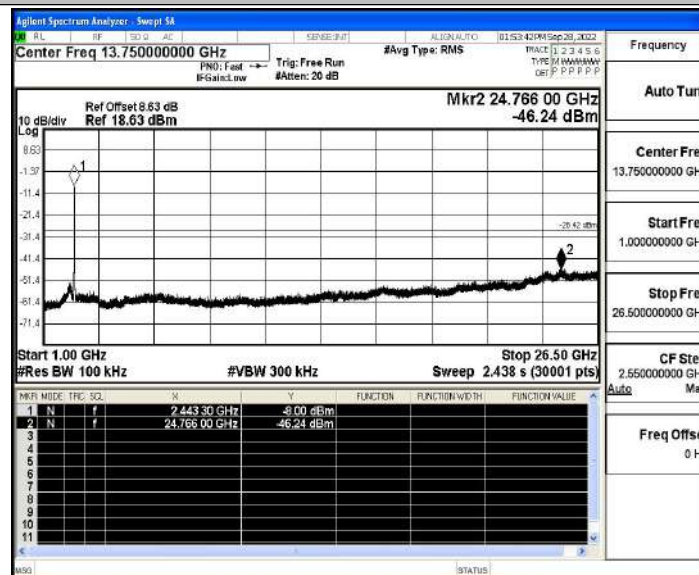


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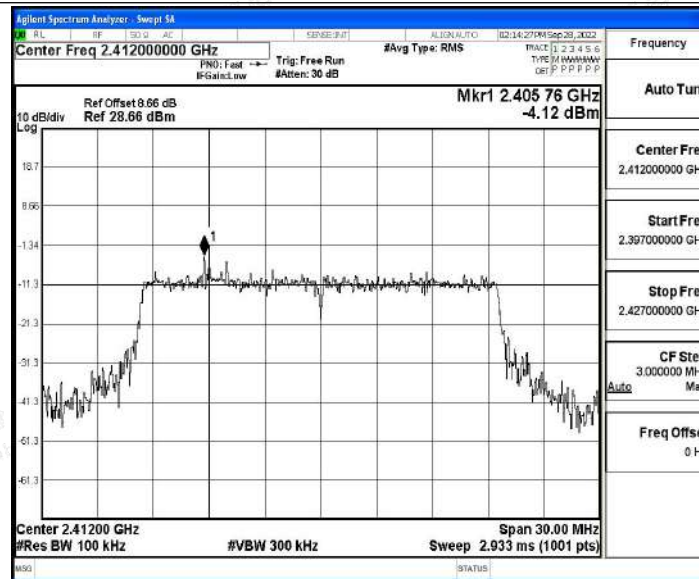


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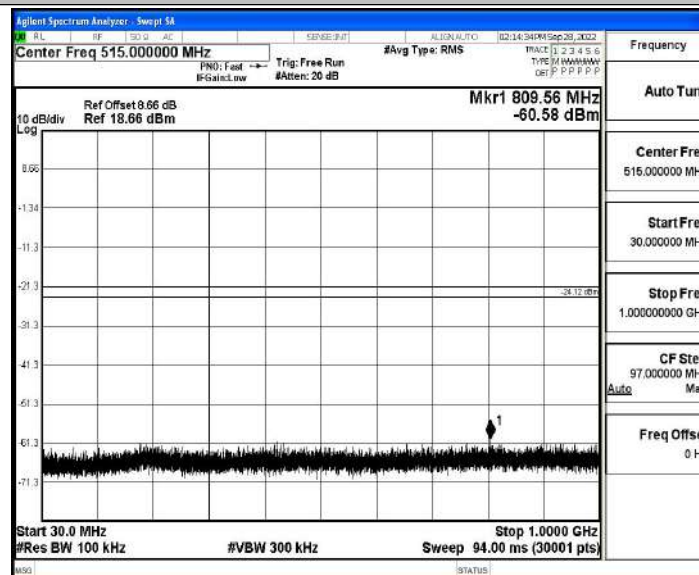


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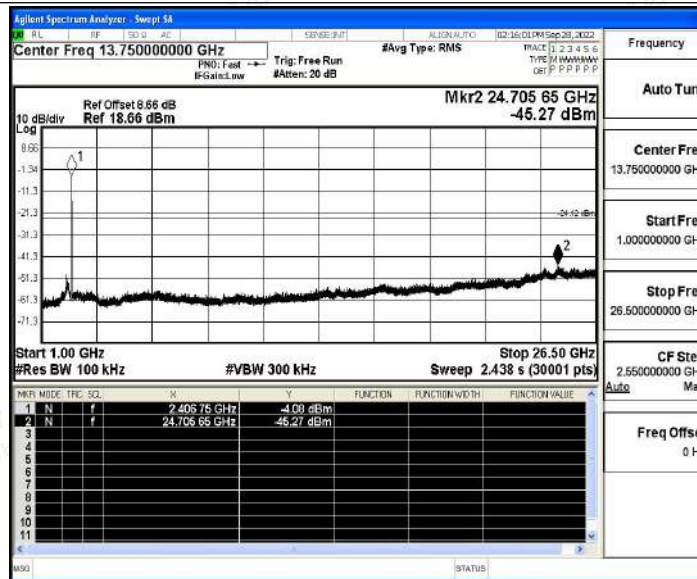


11AX20SISO\_Ant1\_2412\_30~1000

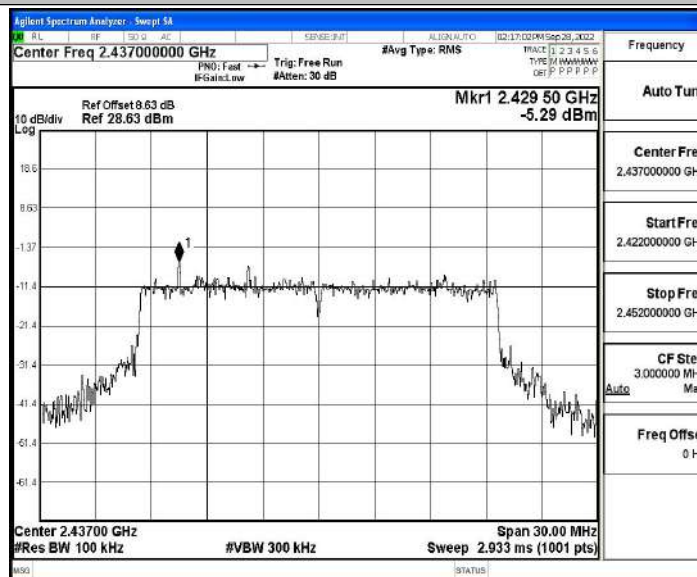


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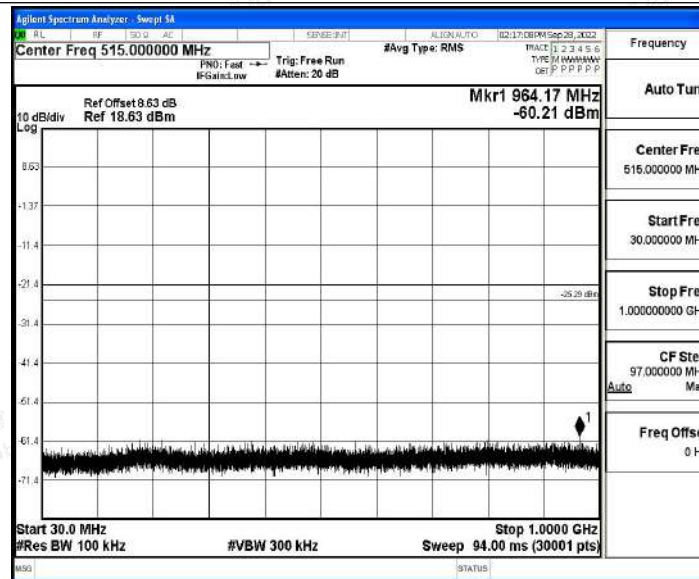


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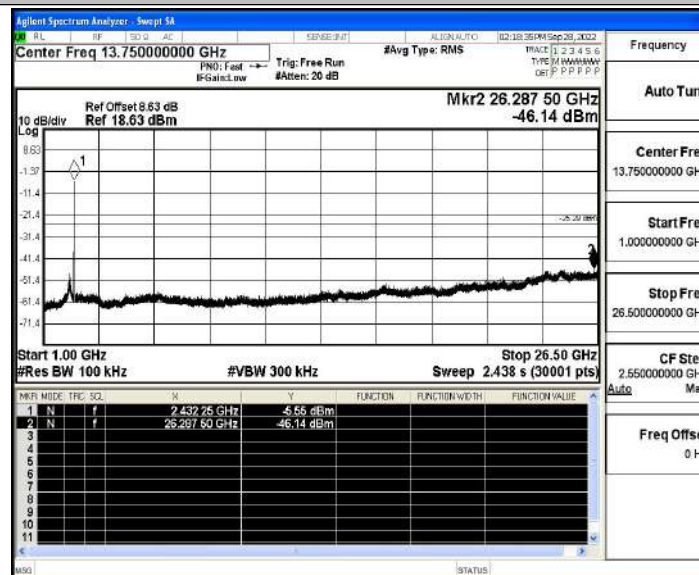


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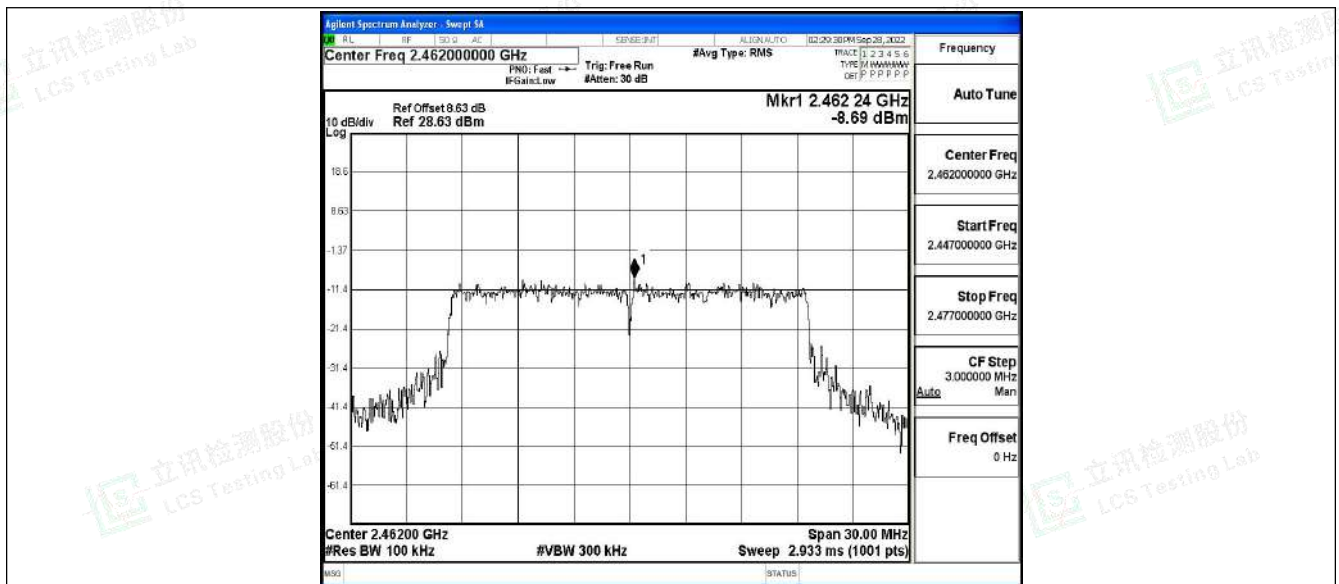


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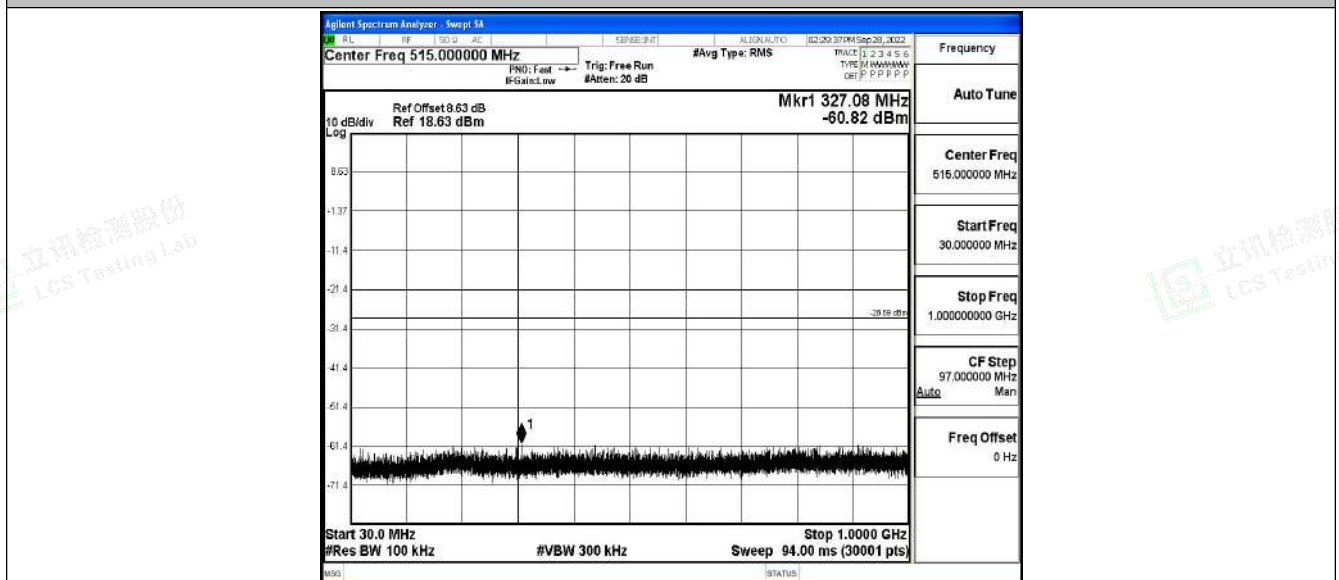


11AX20SISO\_Ant1\_2462\_0~Reference



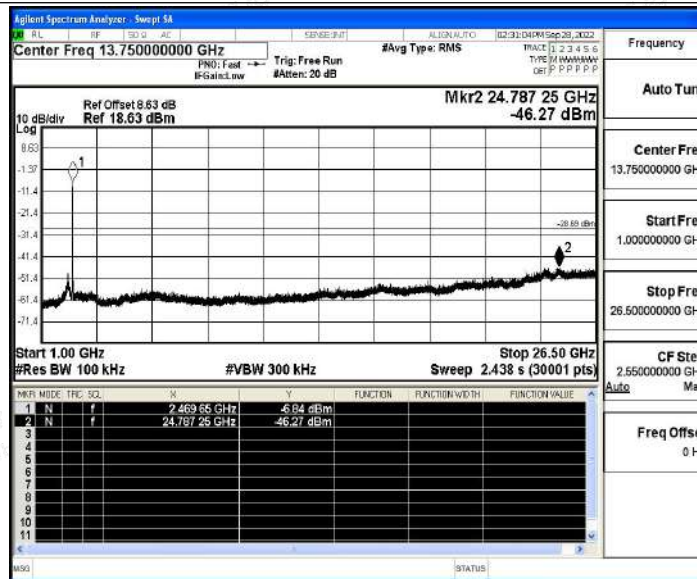


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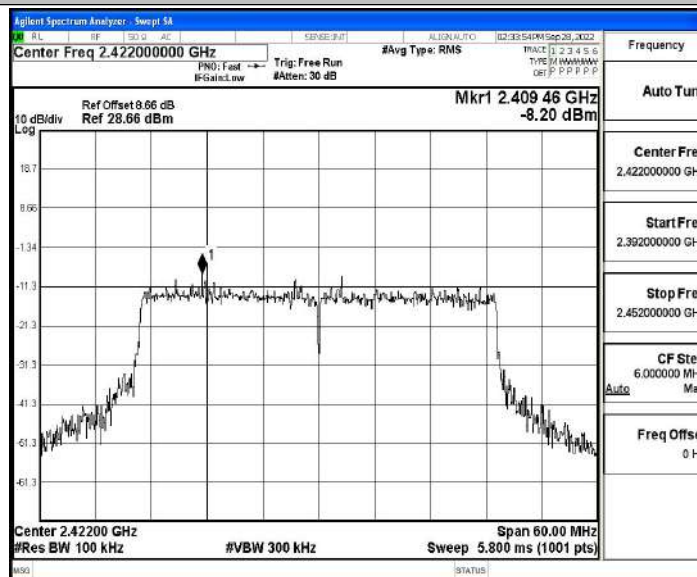


11AX20SISO\_Ant1\_2462\_1000~26500



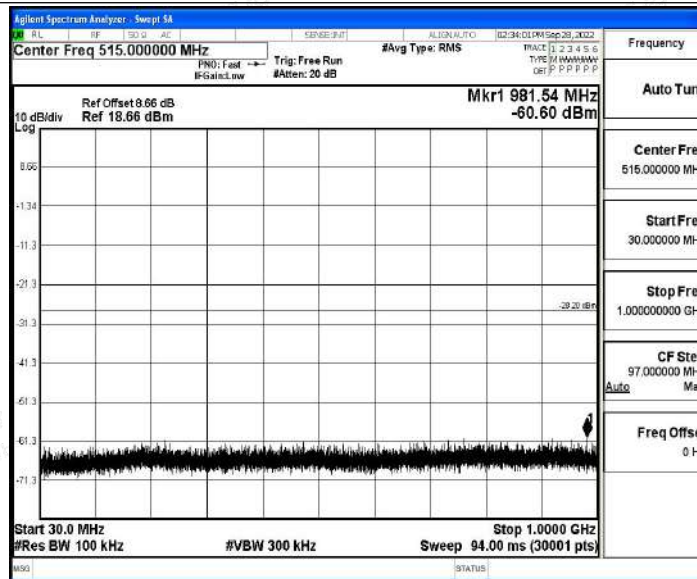


11AX40SISO\_Ant1\_2422\_0~Reference

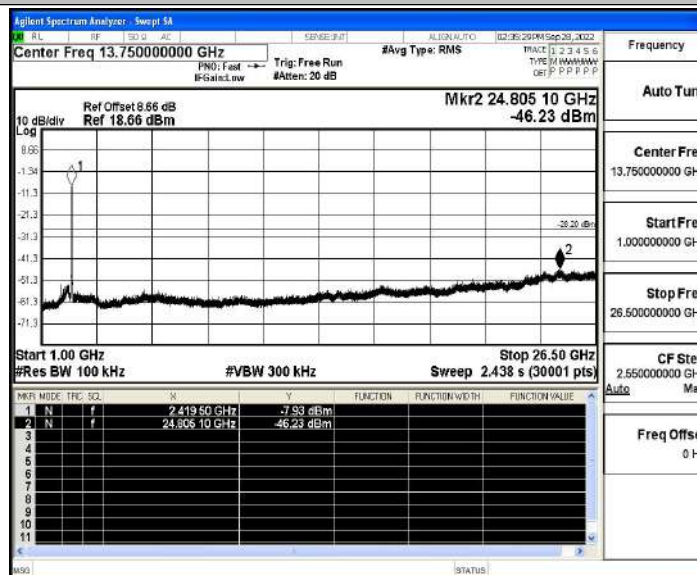


11AX40SISO\_Ant1\_2422\_30~1000



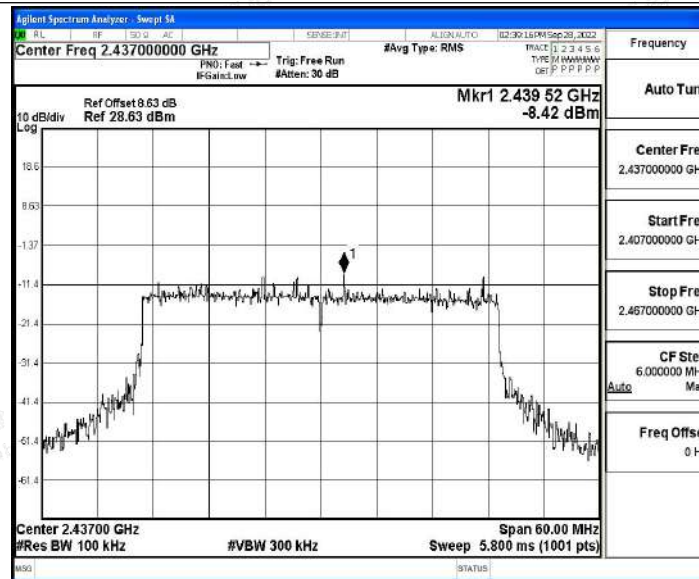


11AX40SISO\_Ant1\_2422\_1000~26500

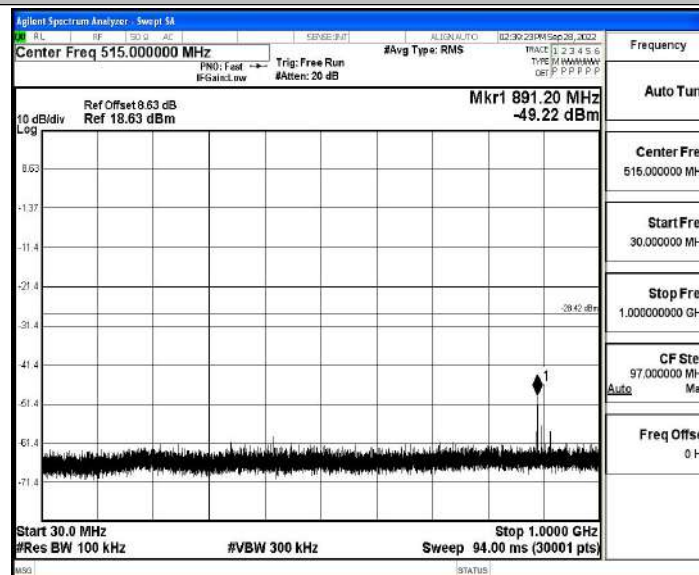


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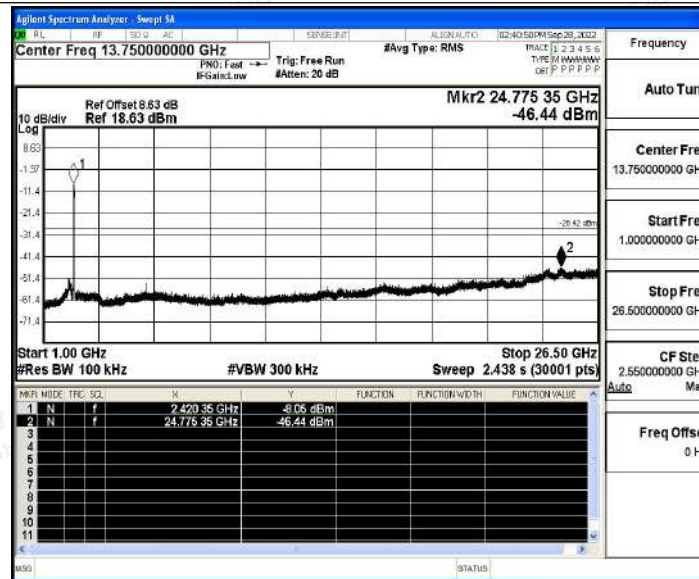


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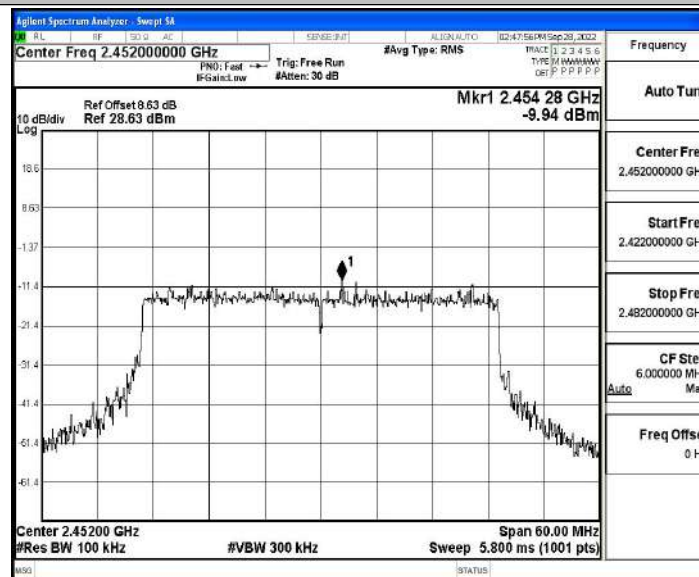


11AX40SISO\_Ant1\_2437\_1000~26500



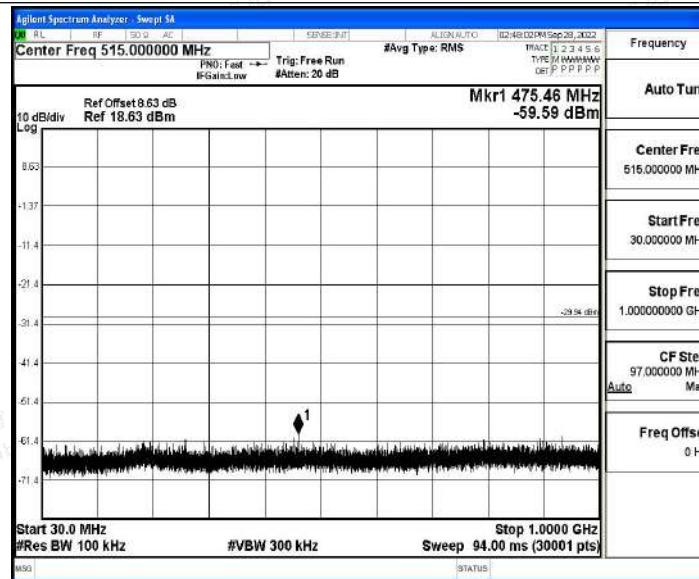


11AX40SISO\_Ant1\_2452\_0~Reference

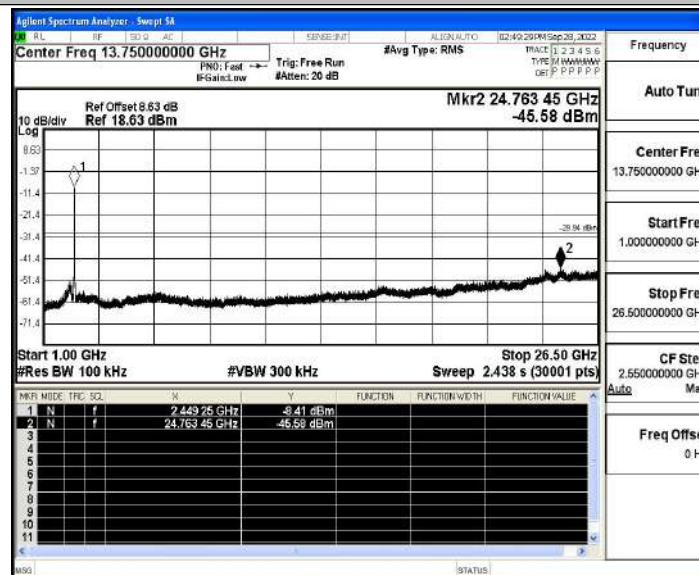


11AX40SISO\_Ant1\_2452\_30~1000





11AX40SISO\_Ant1\_2452\_1000~26500





## C.6 Duty Cycle

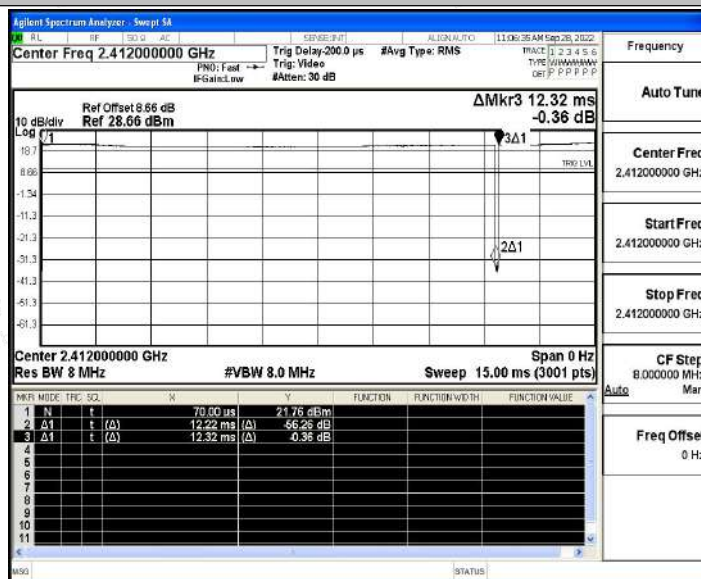
### Test Result

| TestMode   | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Factor | 1/T[kHz] |
|------------|---------|-----------|----------------------------|--------------------------|----------------|--------|----------|
| 11B        | Ant1    | 2412      | 12.22                      | 12.32                    | 99.19          | 0.04   | 0.01     |
|            |         | 2437      | 20.00                      | 20.00                    | 100.00         | 0.00   | 0.01     |
|            |         | 2462      | 12.22                      | 12.43                    | 98.31          | 0.07   | 0.01     |
| 11G        | Ant1    | 2412      | 2.03                       | 2.25                     | 90.22          | 0.45   | 0.49     |
|            |         | 2437      | 2.04                       | 2.11                     | 96.68          | 0.15   | 0.49     |
|            |         | 2462      | 2.03                       | 2.18                     | 93.12          | 0.31   | 0.49     |
| 11N20SISO  | Ant1    | 2412      | 1.89                       | 1.95                     | 96.92          | 0.14   | 0.53     |
|            |         | 2437      | 1.89                       | 1.94                     | 97.42          | 0.11   | 0.53     |
|            |         | 2462      | 1.89                       | 2.06                     | 91.75          | 0.37   | 0.53     |
| 11N40SISO  | Ant1    | 2422      | 0.93                       | 1.09                     | 85.32          | 0.69   | 1.08     |
|            |         | 2437      | 0.93                       | 1.04                     | 89.42          | 0.49   | 1.08     |
|            |         | 2452      | 0.93                       | 1.15                     | 80.87          | 0.92   | 1.08     |
| 11AX20SISO | Ant1    | 2412      | 1.46                       | 1.63                     | 89.57          | 0.48   | 0.69     |
|            |         | 2437      | 1.45                       | 1.62                     | 89.51          | 0.48   | 0.69     |
|            |         | 2462      | 1.45                       | 1.61                     | 90.06          | 0.45   | 0.69     |
| 11AX40SISO | Ant1    | 2422      | 0.75                       | 0.88                     | 85.23          | 0.69   | 1.33     |
|            |         | 2437      | 0.75                       | 0.95                     | 78.95          | 1.03   | 1.33     |
|            |         | 2452      | 0.75                       | 0.91                     | 82.42          | 0.84   | 1.33     |

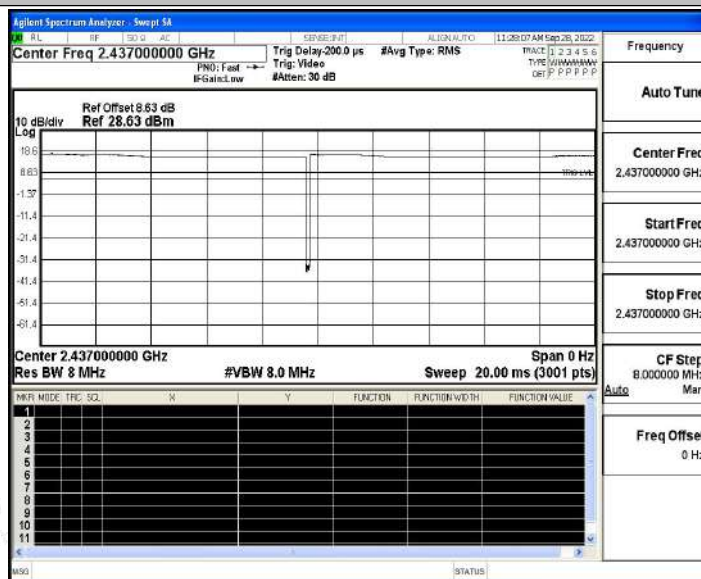


## Test Graphs

11B Ant1 2412

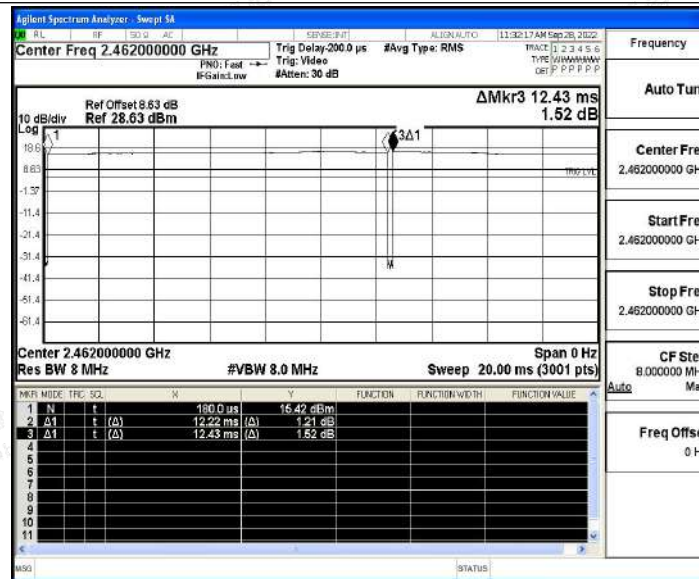


11B Ant1 2437

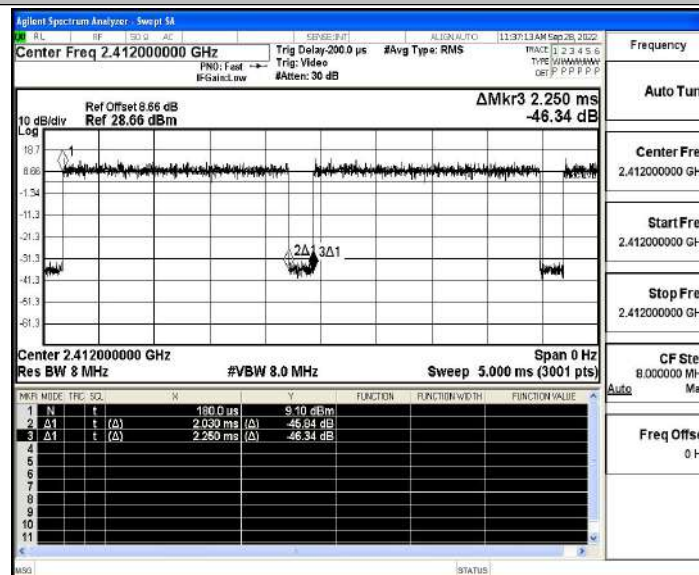


11B Ant1 2462



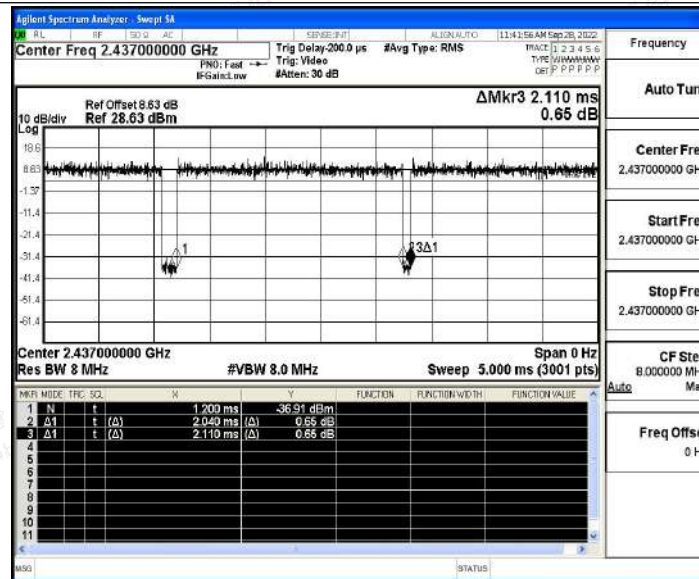


11G\_Ant1\_2412

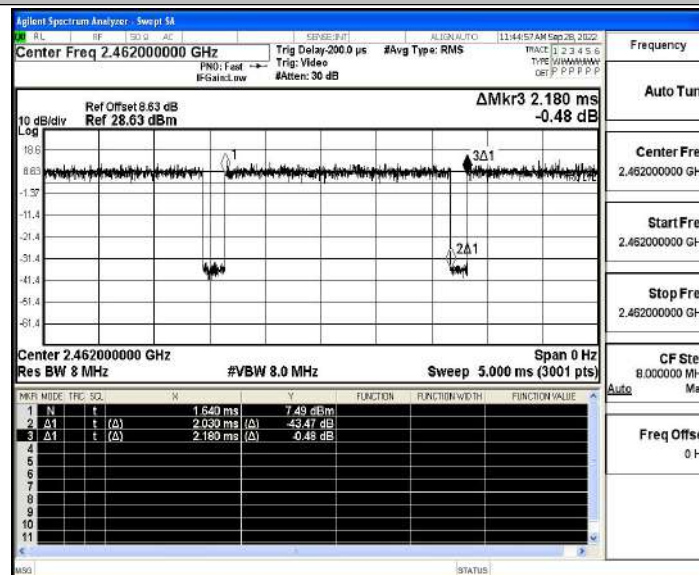


11G\_Ant1\_2437



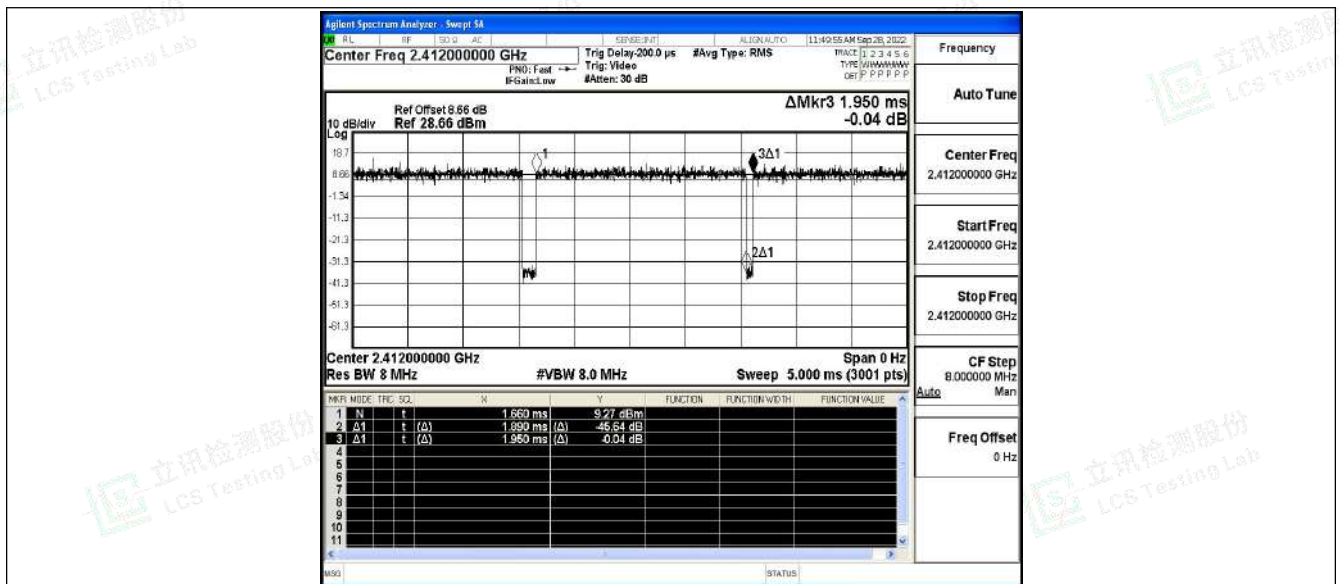


11G\_Ant1\_2462

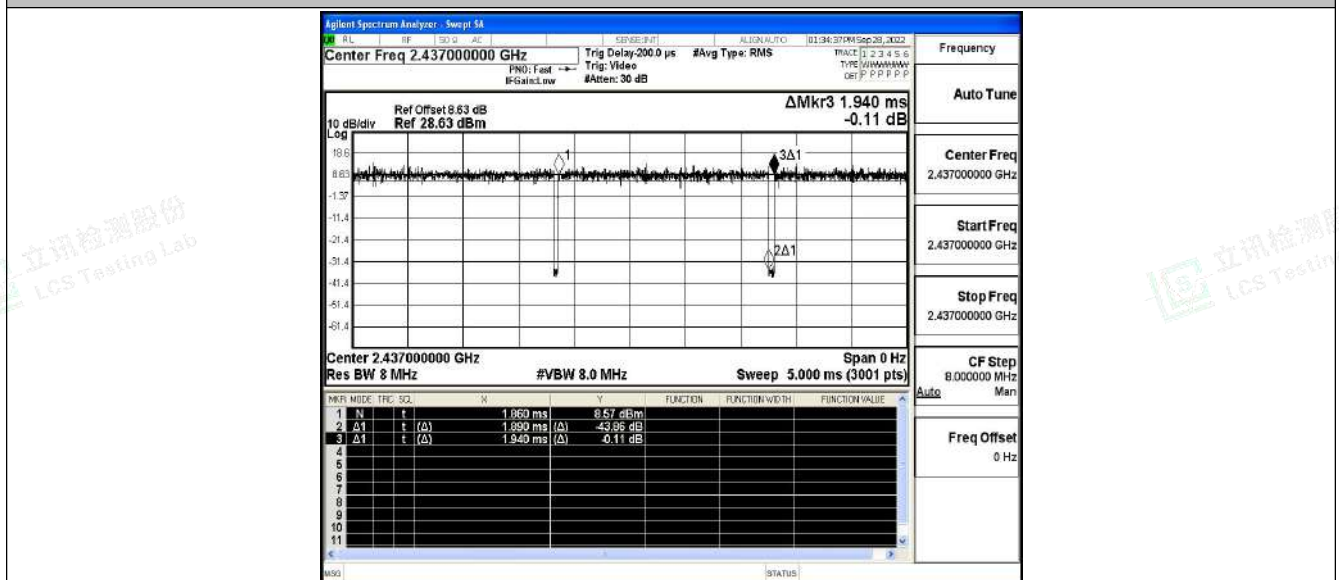


11N20SISO\_Ant1\_2412





11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

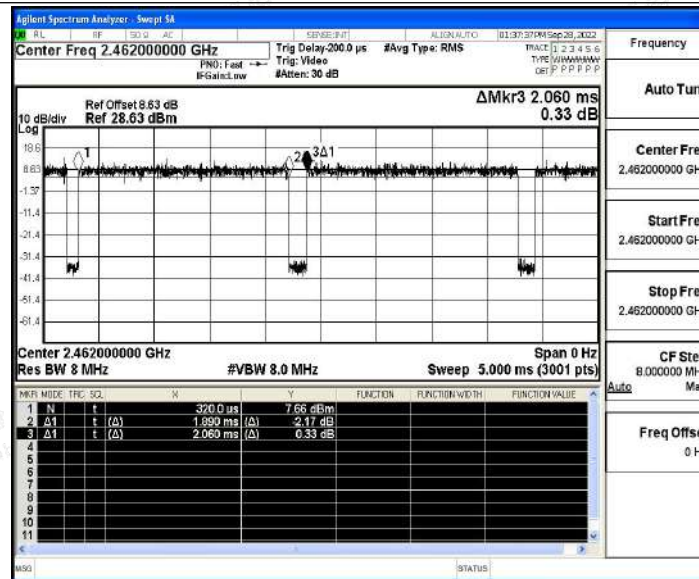


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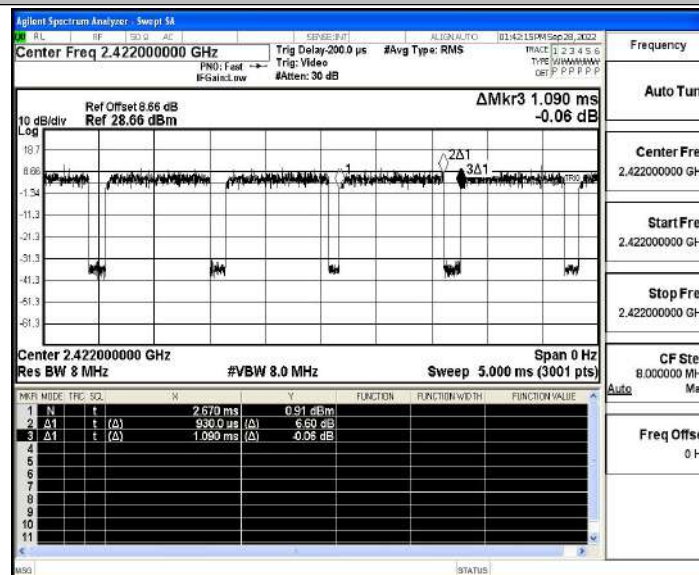
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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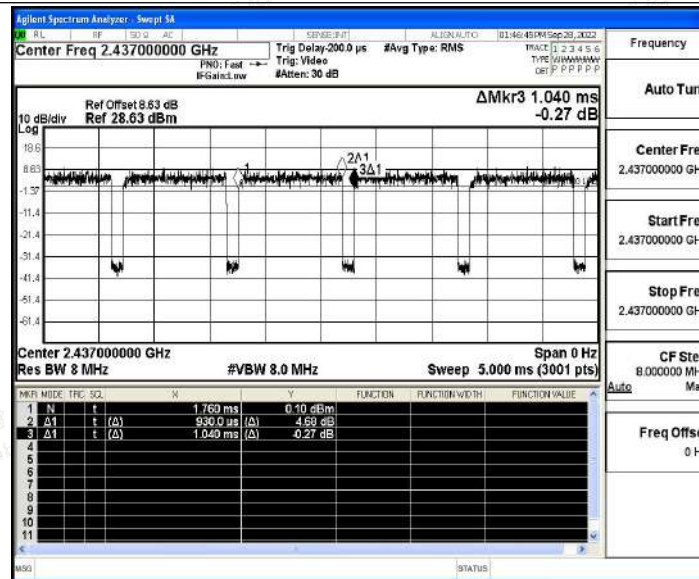


11N40SISO\_Ant1\_2422

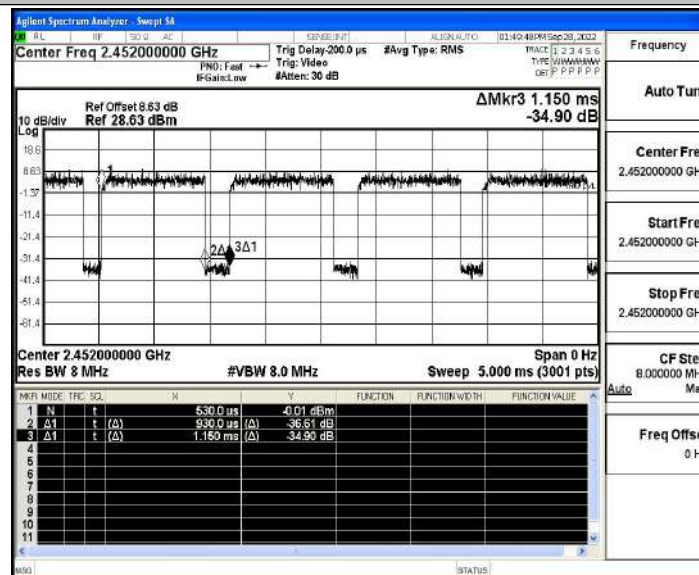


11N40SISO\_Ant1\_2437



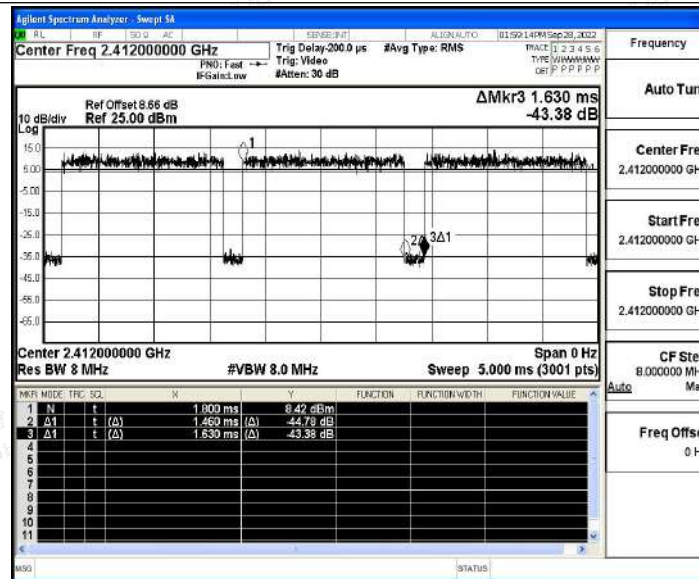


11N40SISO\_Ant1\_2452

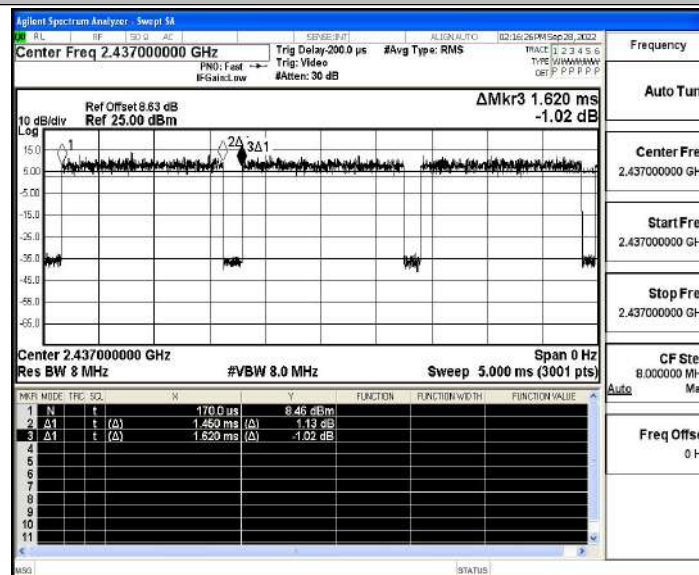


11AX20SISO\_Ant1\_2412



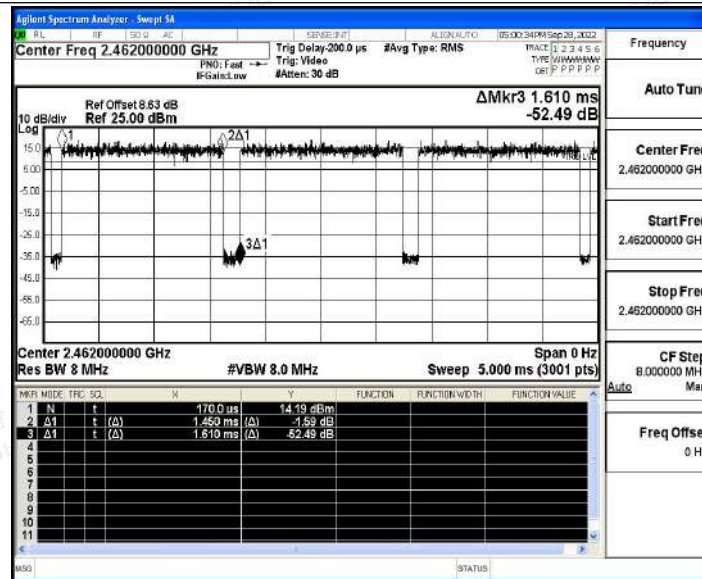


11AX20SISO\_Ant1\_2437

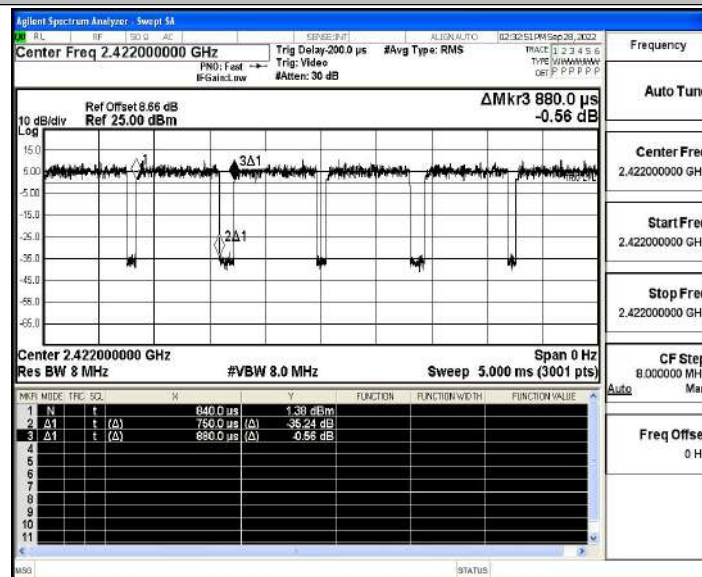


11AX20SISO\_Ant1\_2462



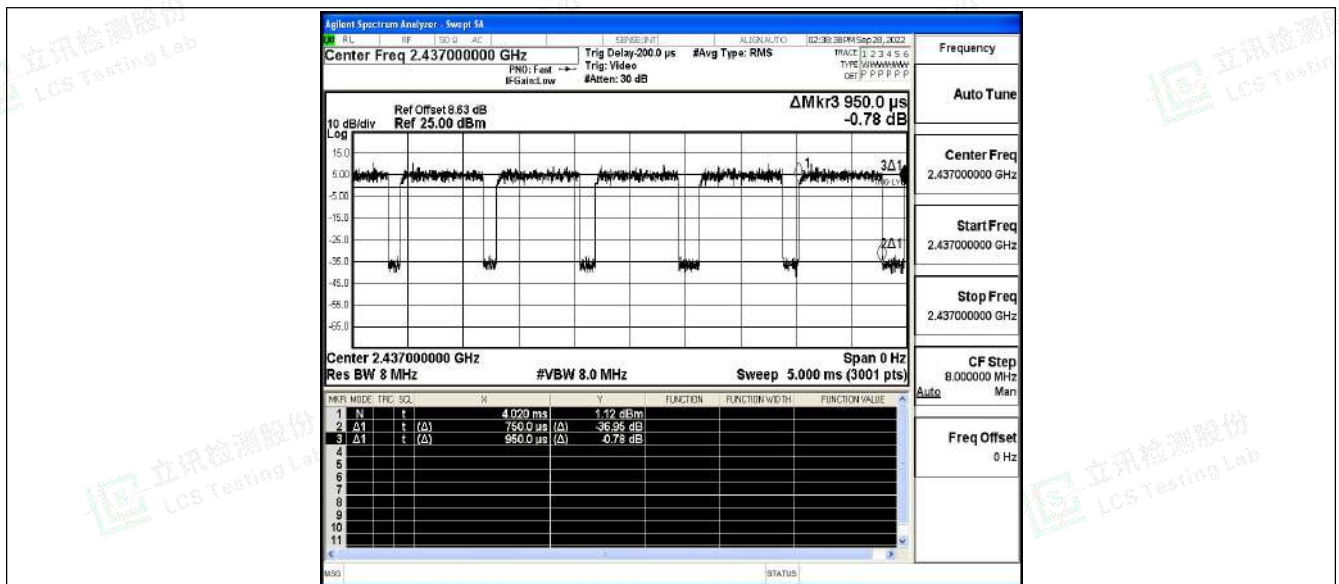


11AX40SISO\_Ant1\_2422

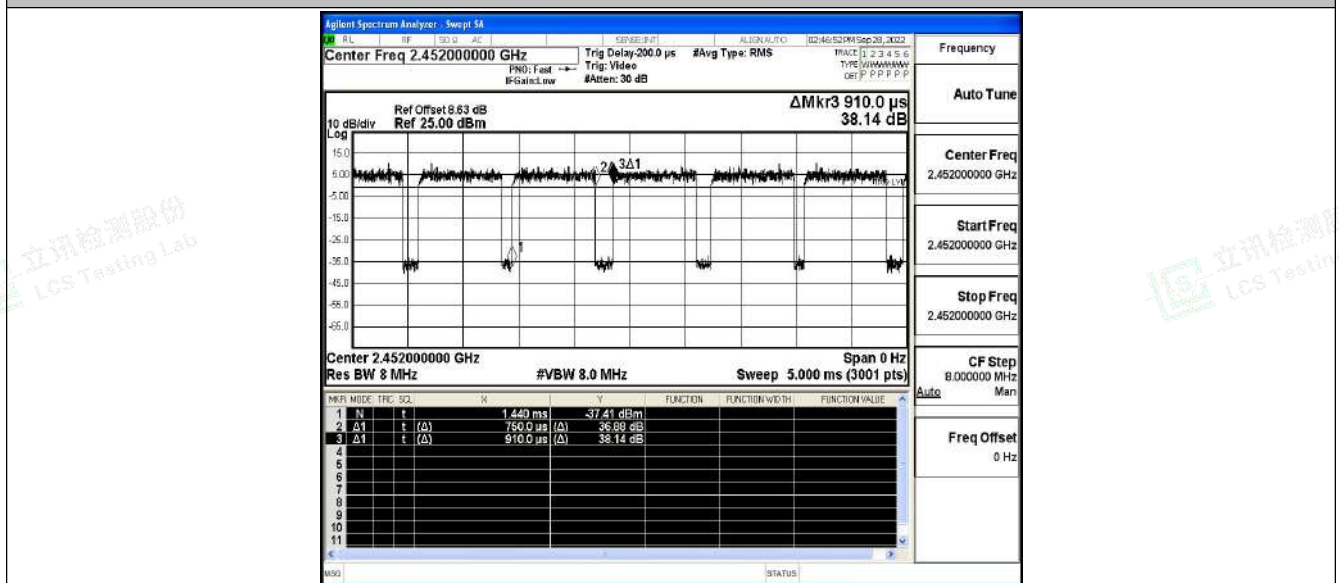


11AX40SISO\_Ant1\_2437





11AX40SISO\_Ant1\_2452



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## C.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   | -53.12       | ≤-41.20     | 42.08           | ≤54            | PASS    |
|               |         |        |            | AV       | 2385.410   | -50.26       | ≤-41.20     | 44.94           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -53.14       | ≤-41.20     | 42.06           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -42.98       | ≤-21.20     | 52.22           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2387.880   | -41.5        | ≤-21.20     | 53.70           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -43.75       | ≤-21.20     | 51.45           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -55.66       | ≤-41.20     | 39.54           | ≤54            | PASS    |
|               |         |        |            | AV       | 2488.290   | -53.12       | ≤-41.20     | 42.08           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -56.12       | ≤-41.20     | 39.08           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -42.57       | ≤-21.20     | 52.63           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2490.380   | -42.75       | ≤-21.20     | 52.45           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2500.000   | -44.69       | ≤-21.20     | 50.51           | ≤74            | PASS    |
| 11G           | Ant1    | Low    | 2412       | AV       | 2310.000   | -54.43       | ≤-41.20     | 40.77           | ≤54            | PASS    |
|               |         |        |            | AV       | 2389.960   | -51.77       | ≤-41.20     | 43.43           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -51.77       | ≤-41.20     | 43.43           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -43.81       | ≤-21.20     | 51.39           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2389.960   | -31.6        | ≤-21.20     | 63.60           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -31.6        | ≤-21.20     | 63.60           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -53.56       | ≤-41.20     | 41.64           | ≤54            | PASS    |
|               |         |        |            | AV       | 2483.560   | -53.42       | ≤-41.20     | 41.78           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -56.73       | ≤-41.20     | 38.47           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -29.97       | ≤-21.20     | 65.23           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2483.780   | -29.65       | ≤-21.20     | 65.55           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2500.000   | -38.45       | ≤-21.20     | 56.75           | ≤74            | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 2412       | AV       | 2310.000   | -54.35       | ≤-41.20     | 40.85           | ≤54            | PASS    |
|               |         |        |            | AV       | 2389.960   | -50.54       | ≤-41.20     | 44.66           | ≤54            | PASS    |
|               |         |        |            | AV       | 2390.000   | -50.54       | ≤-41.20     | 44.66           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2310.000   | -44.13       | ≤-21.20     | 51.07           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2389.310   | -28.56       | ≤-21.20     | 66.64           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2390.000   | -31.64       | ≤-21.20     | 63.56           | ≤74            | PASS    |
|               |         | High   | 2462       | AV       | 2483.500   | -53.18       | ≤-41.20     | 42.02           | ≤54            | PASS    |
|               |         |        |            | AV       | 2485.430   | -53.19       | ≤-41.20     | 42.01           | ≤54            | PASS    |
|               |         |        |            | AV       | 2500.000   | -56.52       | ≤-41.20     | 38.68           | ≤54            | PASS    |
|               |         |        |            | Peak     | 2483.500   | -29.63       | ≤-21.20     | 65.57           | ≤74            | PASS    |
|               |         |        |            | Peak     | 2483.560   | -29.86       | ≤-21.20     | 65.34           | ≤74            | PASS    |



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|                |      |      |      |      |          |        |               |       |           |      |
|----------------|------|------|------|------|----------|--------|---------------|-------|-----------|------|
| 11N40SIS<br>O  | Ant1 | Low  | 2422 | Peak | 2500.000 | -38.97 | $\leq -21.20$ | 56.23 | $\leq 74$ | PASS |
|                |      |      |      | AV   | 2310.000 | -54.57 | $\leq -41.20$ | 40.63 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2389.960 | -46.18 | $\leq -41.20$ | 49.02 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2390.000 | -46.18 | $\leq -41.20$ | 49.02 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2310.000 | -45.24 | $\leq -21.20$ | 49.96 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2389.960 | -32.45 | $\leq -21.20$ | 62.75 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2390.000 | -32.45 | $\leq -21.20$ | 62.75 | $\leq 74$ | PASS |
|                |      | High | 2452 | AV   | 2483.500 | -50.41 | $\leq -41.20$ | 44.79 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2484.330 | -50.1  | $\leq -41.20$ | 45.10 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2500.000 | -55.71 | $\leq -41.20$ | 39.49 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2483.500 | -35.16 | $\leq -21.20$ | 60.04 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2483.670 | -34.54 | $\leq -21.20$ | 60.66 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2500.000 | -44.19 | $\leq -21.20$ | 51.01 | $\leq 74$ | PASS |
| 11AX20SI<br>SO | Ant1 | Low  | 2412 | AV   | 2310.000 | -47.15 | $\leq -41.20$ | 48.05 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2389.960 | -45.21 | $\leq -41.20$ | 49.99 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2390.000 | -45.21 | $\leq -41.20$ | 49.99 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2310.000 | -38.85 | $\leq -21.20$ | 56.35 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2389.310 | -30.39 | $\leq -21.20$ | 64.81 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2390.000 | -32.05 | $\leq -21.20$ | 63.15 | $\leq 74$ | PASS |
|                |      | High | 2462 | AV   | 2483.500 | -41.67 | $\leq -41.20$ | 53.53 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2486.200 | -41.49 | $\leq -41.20$ | 53.71 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2500.000 | -46.63 | $\leq -41.20$ | 48.57 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2483.500 | -24.77 | $\leq -21.20$ | 70.43 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2485.650 | -21.36 | $\leq -21.20$ | 73.84 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2500.000 | -35.51 | $\leq -21.20$ | 59.69 | $\leq 74$ | PASS |
| 11AX40SI<br>SO | Ant1 | Low  | 2422 | AV   | 2310.000 | -47.83 | $\leq -41.20$ | 47.37 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2389.180 | -44.42 | $\leq -41.20$ | 50.78 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2390.000 | -44.67 | $\leq -41.20$ | 50.53 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2310.000 | -39.3  | $\leq -21.20$ | 55.90 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2388.400 | -32.25 | $\leq -21.20$ | 62.95 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2390.000 | -35.17 | $\leq -21.20$ | 60.03 | $\leq 74$ | PASS |
|                |      | High | 2452 | AV   | 2483.500 | -46.65 | $\leq -41.20$ | 48.55 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2484.110 | -46.6  | $\leq -41.20$ | 48.60 | $\leq 54$ | PASS |
|                |      |      |      | AV   | 2500.000 | -47.02 | $\leq -41.20$ | 48.18 | $\leq 54$ | PASS |
|                |      |      |      | Peak | 2483.500 | -34.52 | $\leq -21.20$ | 60.68 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2483.670 | -33.99 | $\leq -21.20$ | 61.21 | $\leq 74$ | PASS |
|                |      |      |      | Peak | 2500.000 | -36.82 | $\leq -21.20$ | 58.38 | $\leq 74$ | 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.

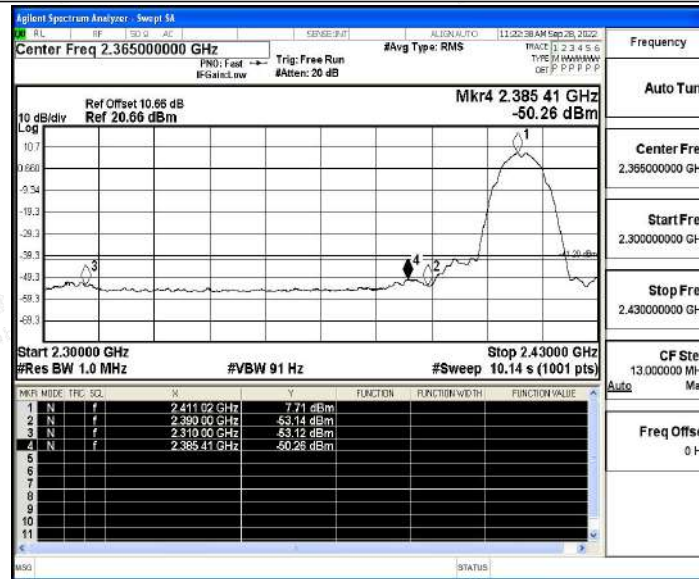


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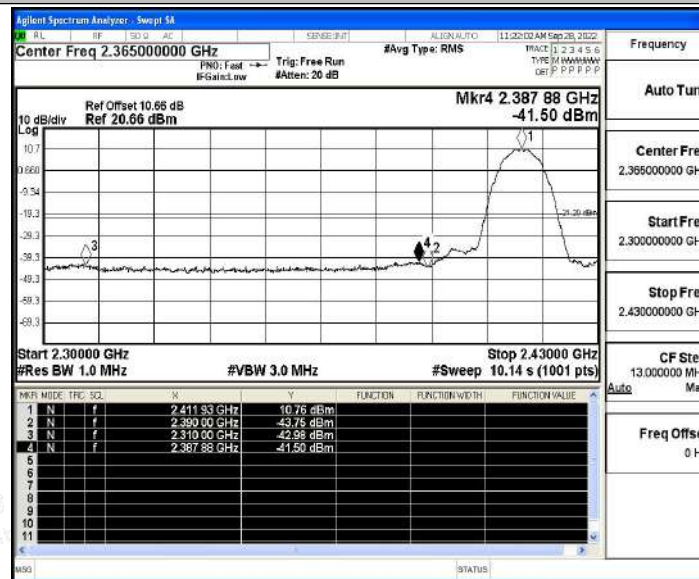


## Test Graphs

11B\_Ant1\_Low\_2412\_AV



11B\_Ant1\_Low\_2412\_Peak



11B\_Ant1\_High\_2462\_AV

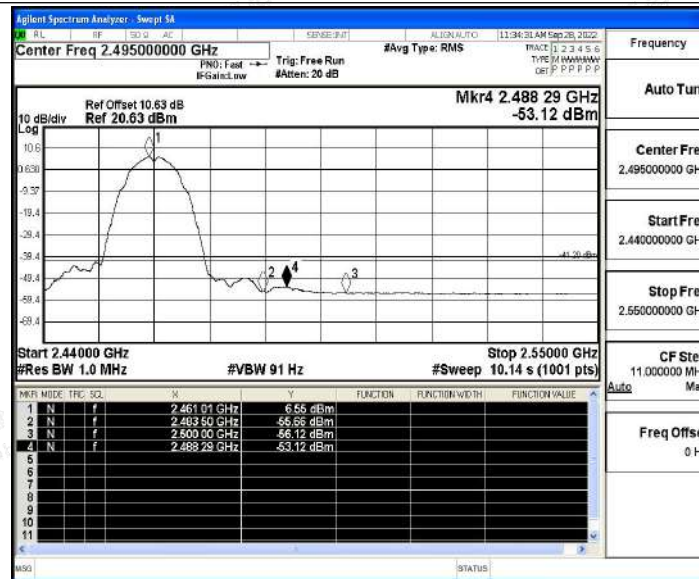


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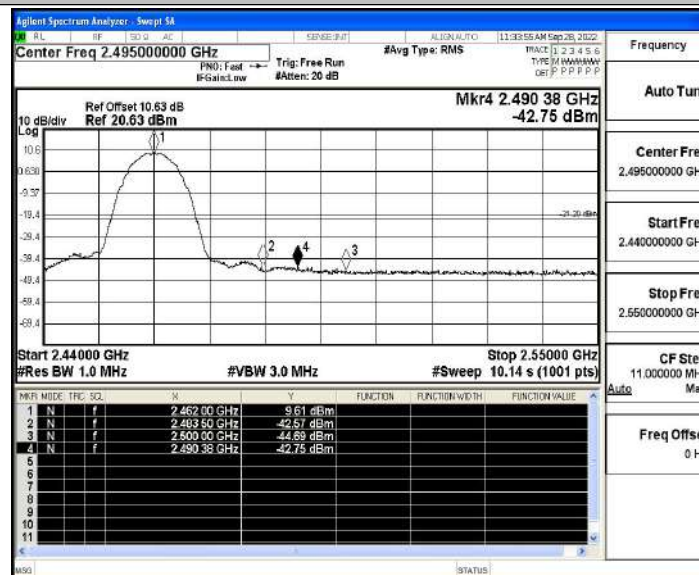
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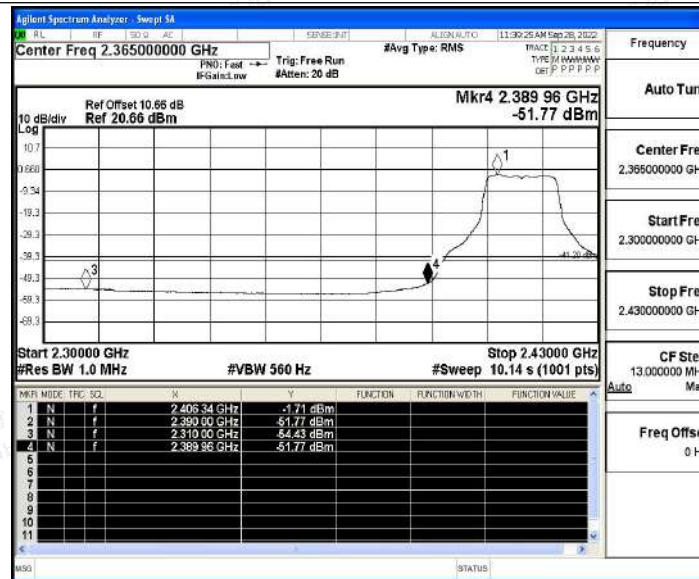


11B\_Ant1\_High\_2462\_Peak

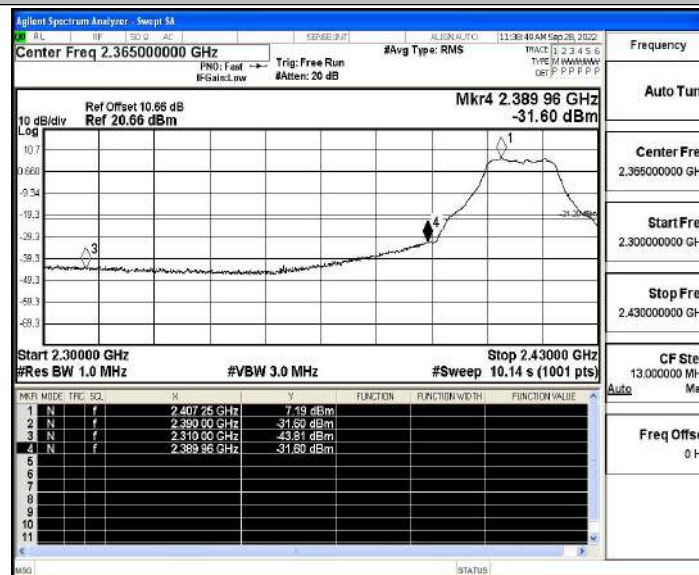


11G\_Ant1\_Low\_2412\_AV



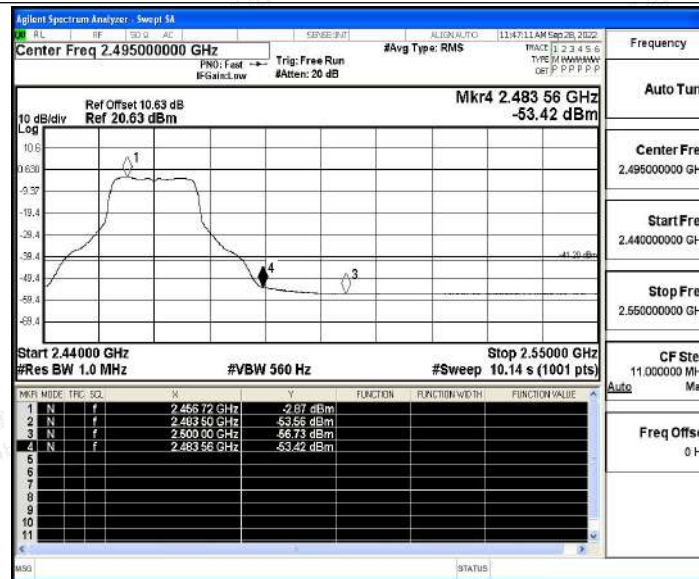


11G\_Ant1\_Low\_2412\_Peak

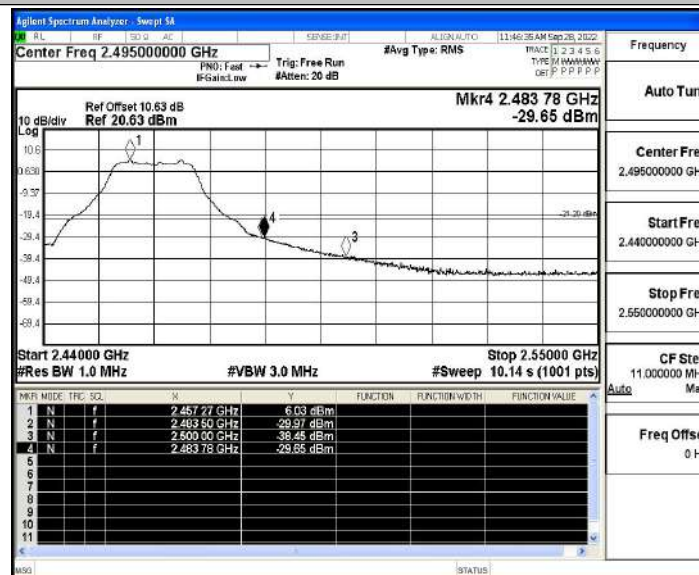


11G\_Ant1\_High\_2462\_AV





11G\_Ant1\_High\_2462\_Peak



11N20SISO\_Ant1\_Low\_2412\_AV

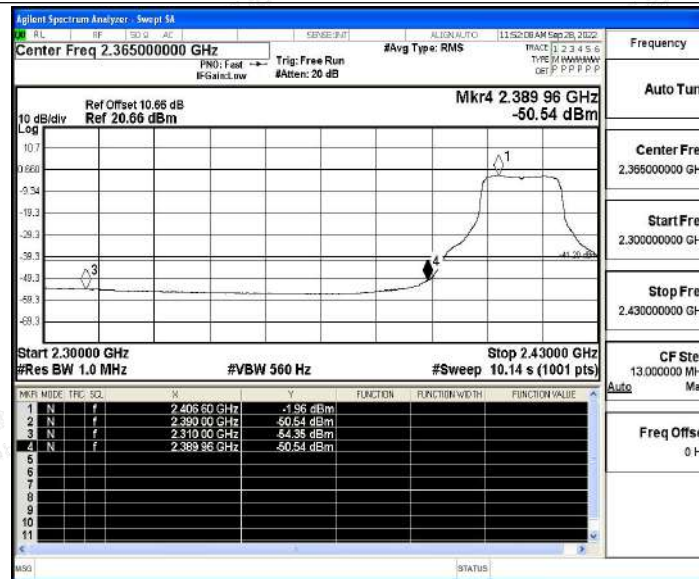


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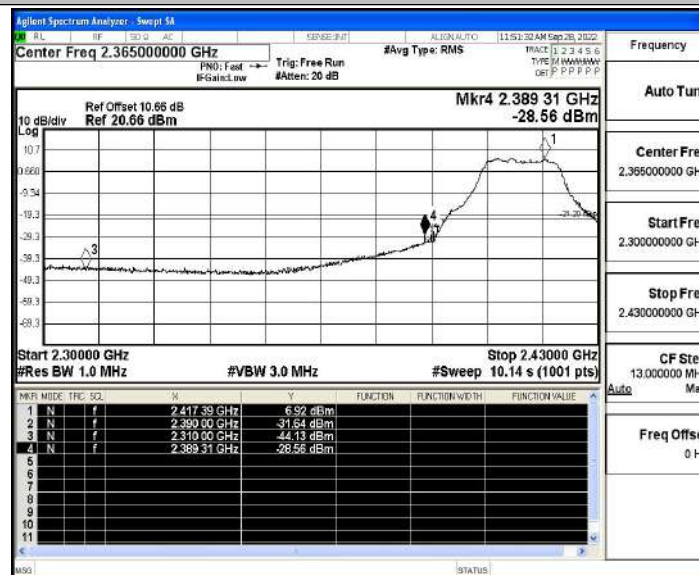
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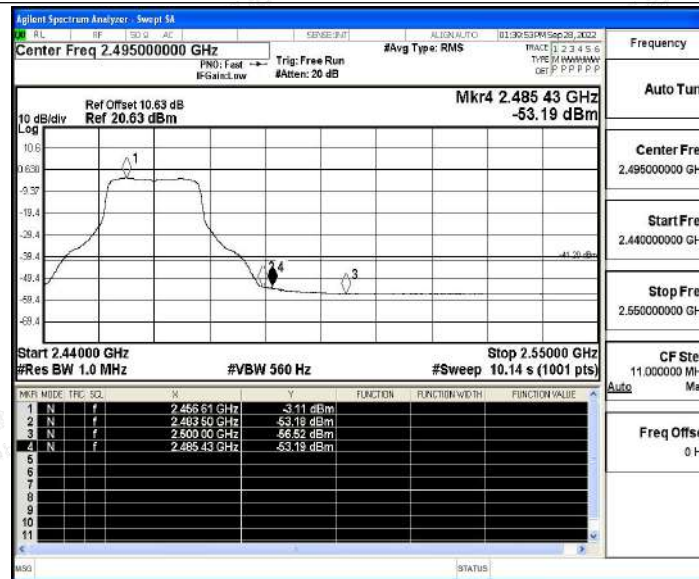


11N20SISO\_Ant1\_Low\_2412\_Peak

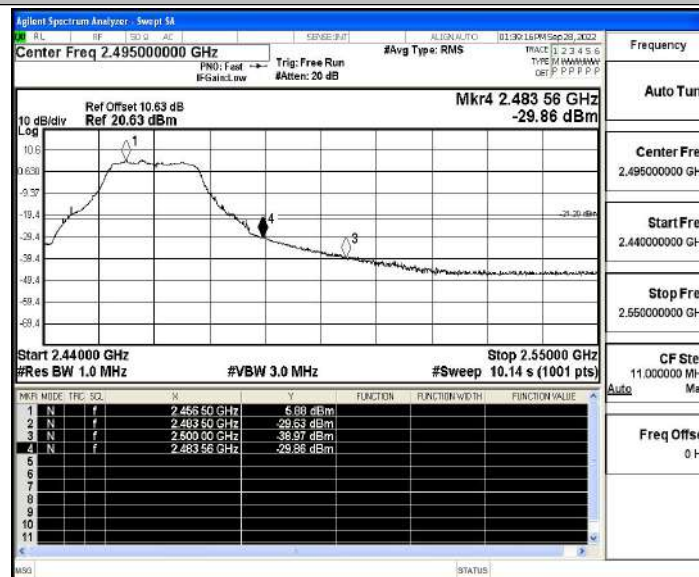


11N20SISO\_Ant1\_High\_2462\_AV



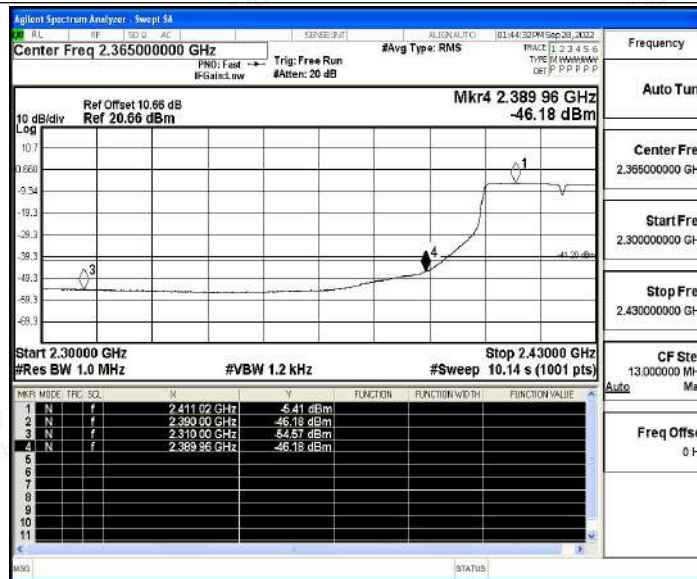


11N20SISO\_Ant1\_High\_2462\_Peak

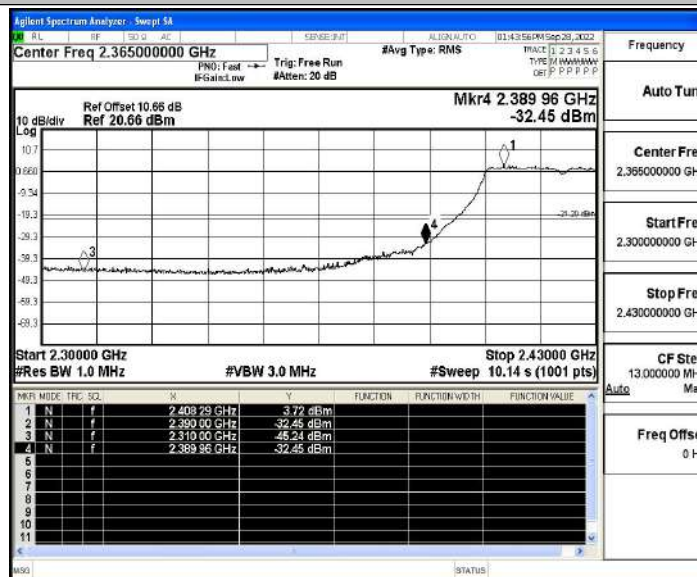


11N40SISO\_Ant1\_Low\_2422\_AV



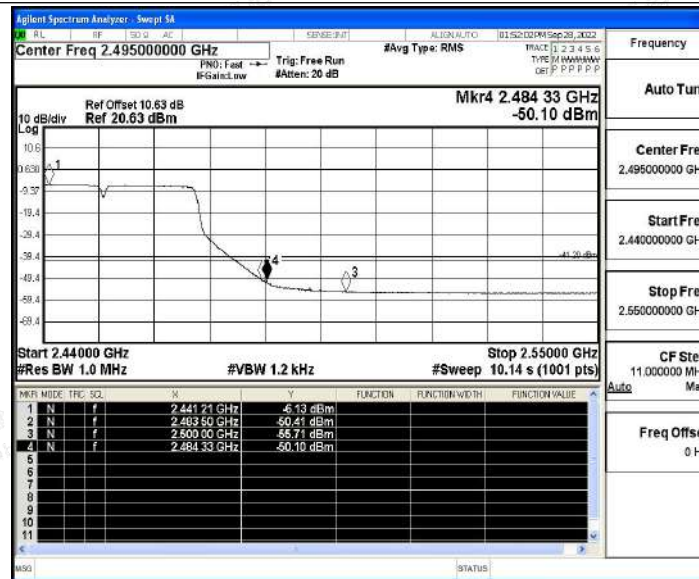


11N40SISO\_Ant1\_Low\_2422\_Peak

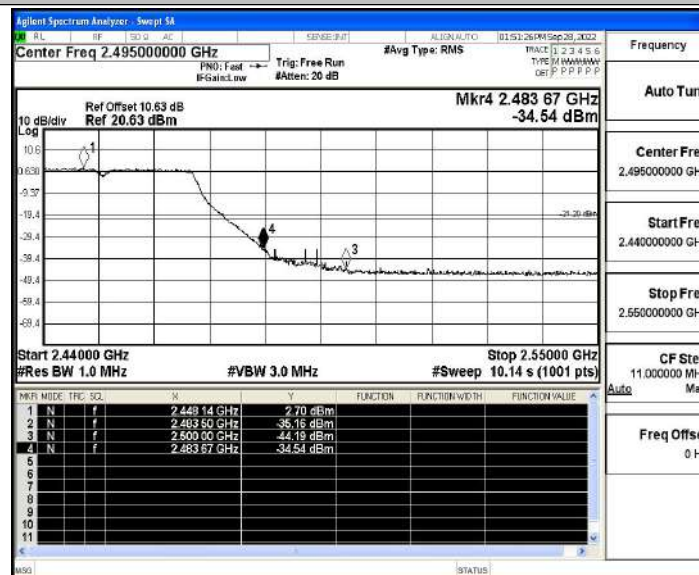


11N40SISO\_Ant1\_High\_2452\_AV



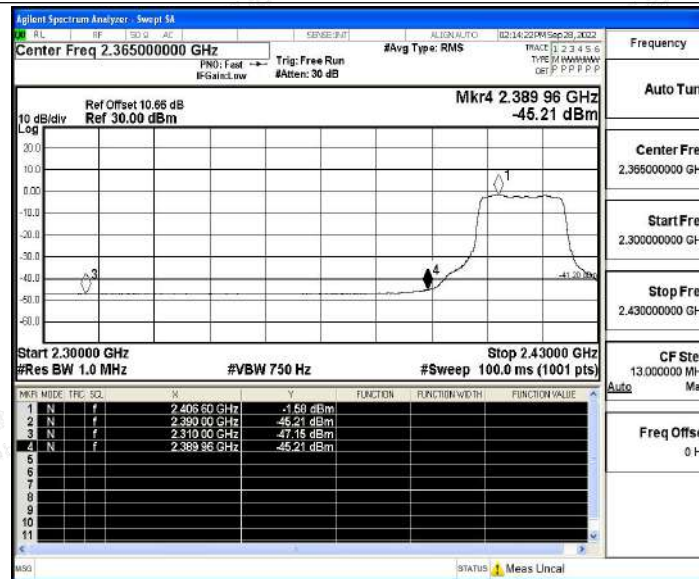


11N40SISO\_Ant1\_High\_2452\_Peak

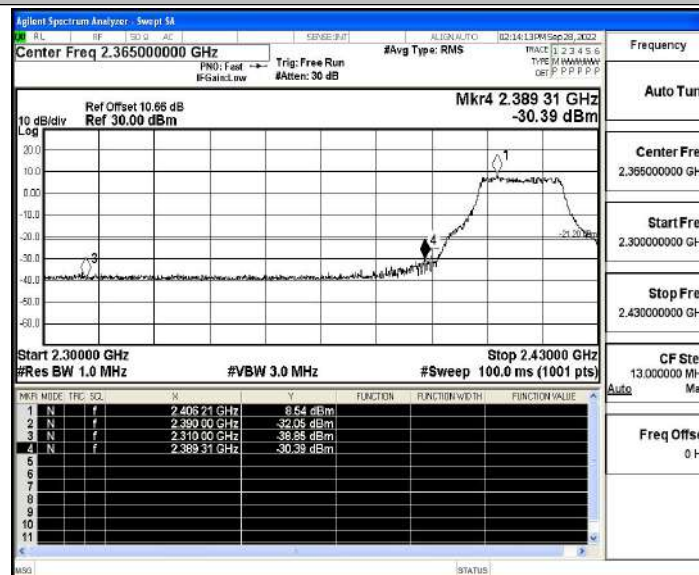


11AX20SISO\_Ant1\_Low\_2412\_AV



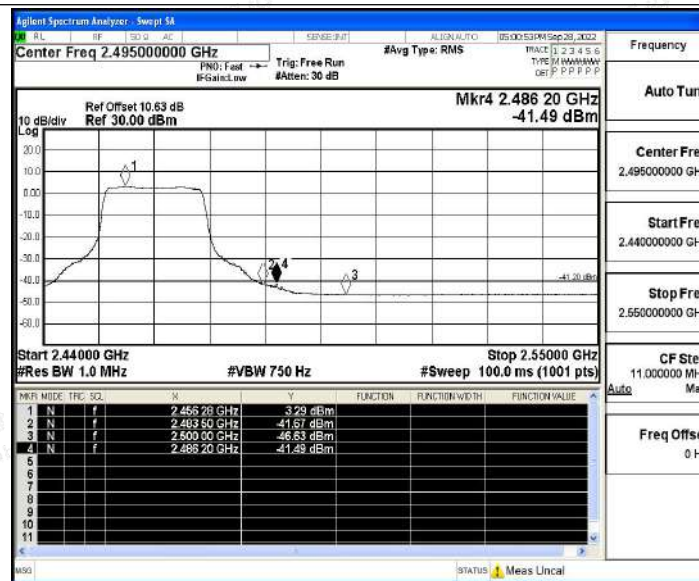


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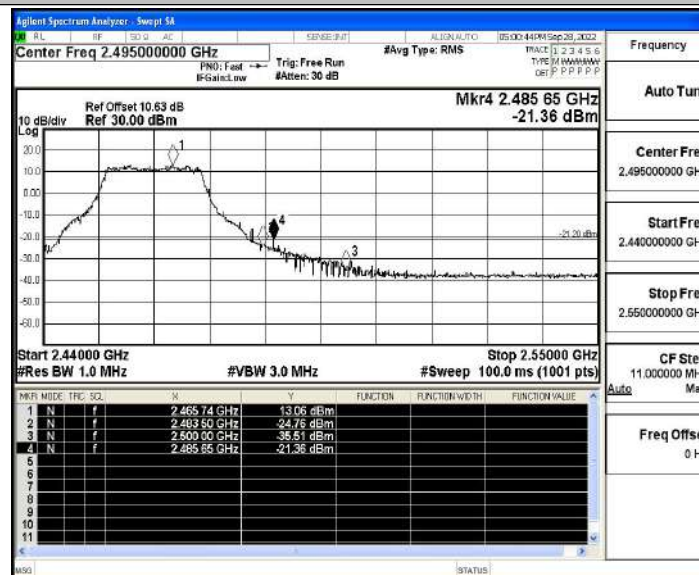


11AX20SISO\_Ant1\_High\_2462\_AV





11AX20ISO\_Ant1\_High\_2462\_Peak



11AX40ISO\_Ant1\_Low\_2422\_AV

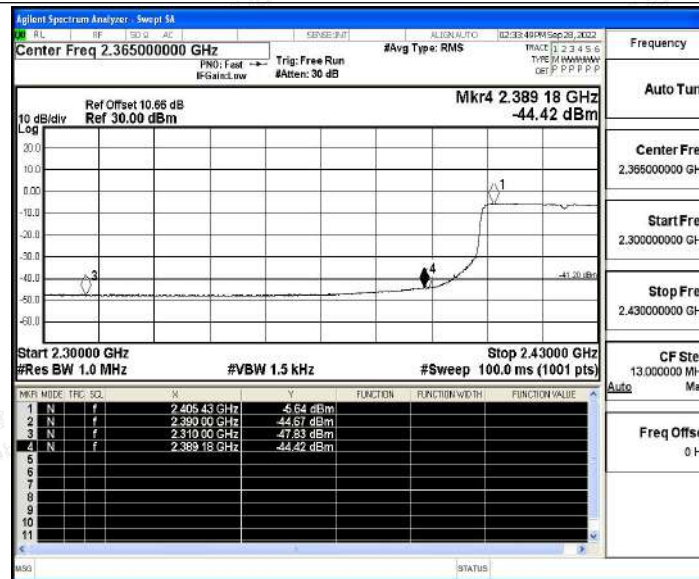


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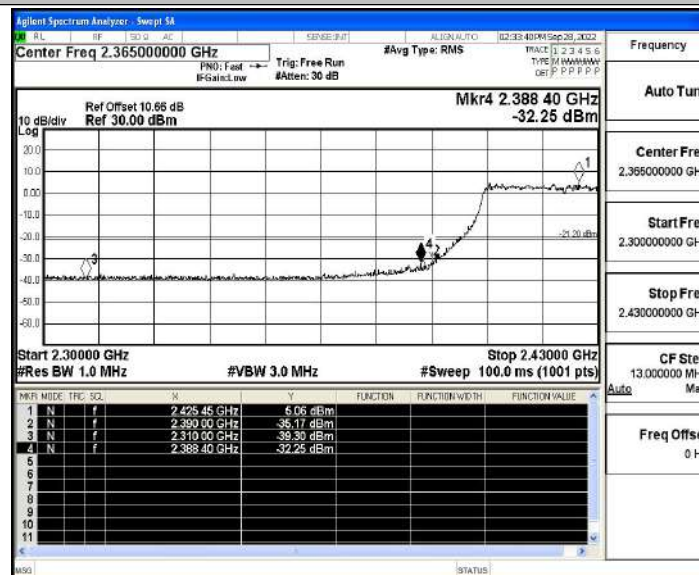
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

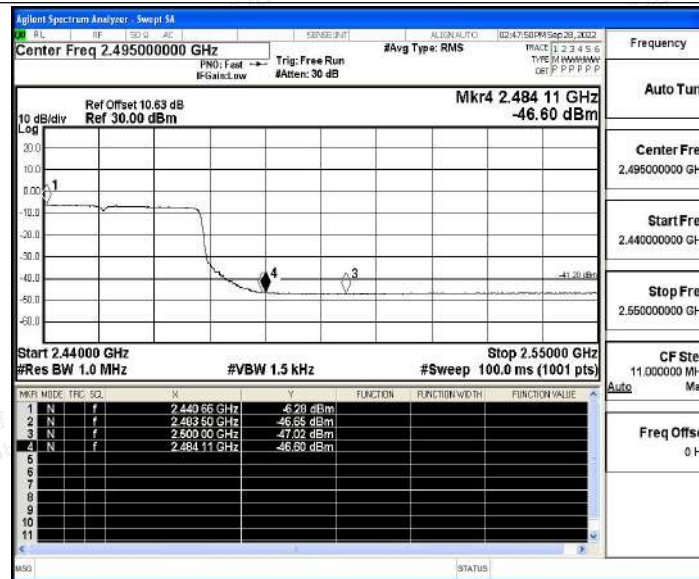


11AX40SISO\_Ant1\_Low\_2422\_Peak



11AX40SISO\_Ant1\_High\_2452\_AV





11AX40ISO\_Ant1\_High\_2452\_Peak

