



Appendix D

RF Test Data for 5.2G WIFI (Conducted Measurement)

Product Name: Smart TV Box

Test Model: T95MAX+

Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.5° C   |
| Relative Humidity: | 52.2%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Bill Zhu  |
| Supervised by:     | Li Huan   |





## D.1 26dB Bandwidth

### Test Result

| TestMode   | Antenna | Channel | 26db EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------|-------------------|----------|----------|------------|---------|
| 11A        | Ant     | 5180    | 25.000            | 5168.680 | 5193.680 | ---        | ---     |
|            |         | 5220    | 18.960            | 5210.720 | 5229.680 | ---        | ---     |
|            |         | 5240    | 22.200            | 5229.280 | 5251.480 | ---        | ---     |
| 11N20SISO  | Ant     | 5180    | 23.400            | 5170.000 | 5193.400 | ---        | ---     |
|            |         | 5220    | 19.840            | 5210.160 | 5230.000 | ---        | ---     |
|            |         | 5240    | 19.840            | 5230.160 | 5250.000 | ---        | ---     |
| 11N40SISO  | Ant     | 5190    | 48.320            | 5169.200 | 5217.520 | ---        | ---     |
|            |         | 5230    | 41.920            | 5208.960 | 5250.880 | ---        | ---     |
| 11AC20SISO | Ant     | 5180    | 29.080            | 5167.760 | 5196.840 | ---        | ---     |
|            |         | 5220    | 19.680            | 5210.080 | 5229.760 | ---        | ---     |
|            |         | 5240    | 19.680            | 5230.080 | 5249.760 | ---        | ---     |
| 11AC40SISO | Ant     | 5190    | 49.600            | 5168.960 | 5218.560 | ---        | ---     |
|            |         | 5230    | 43.280            | 5207.040 | 5250.320 | ---        | ---     |





## Test Graphs

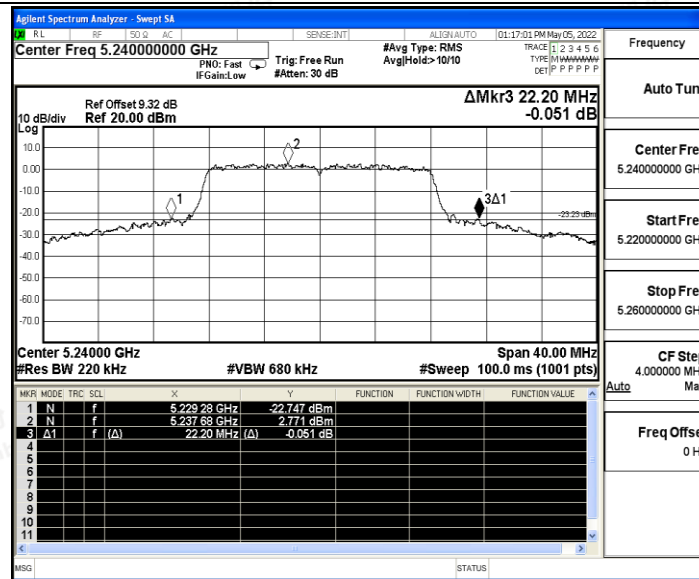


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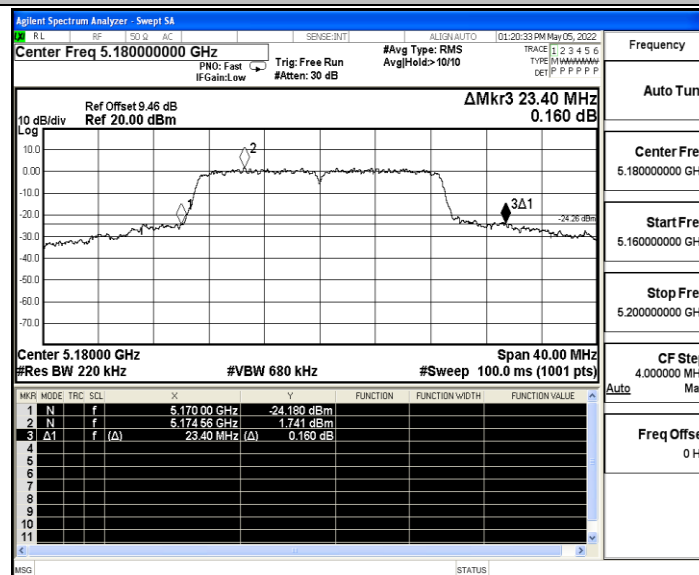
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant\_5180



11N20SISO\_Ant\_5220

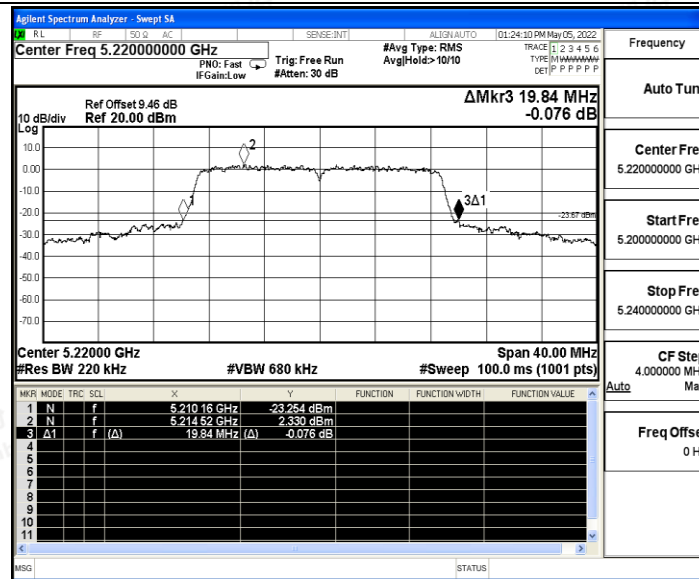


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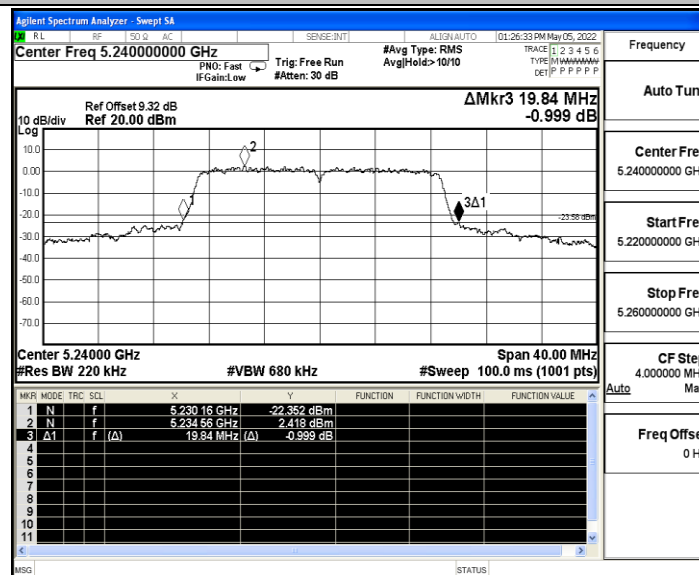
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant\_5240



11N40SISO\_Ant\_5190

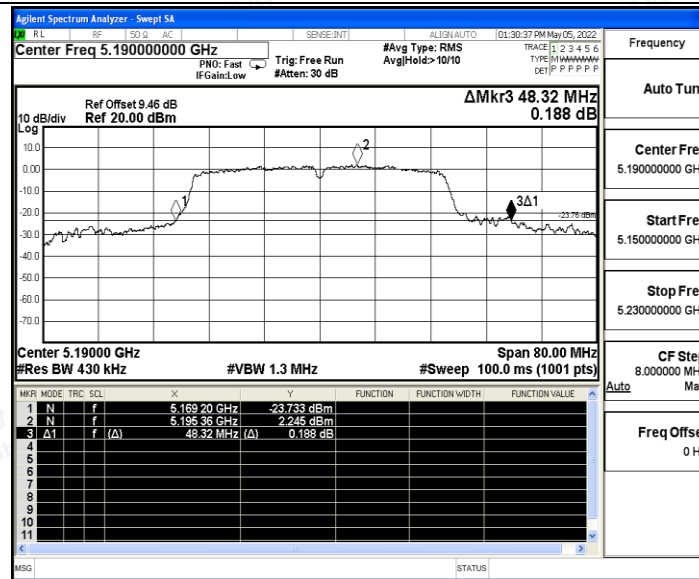


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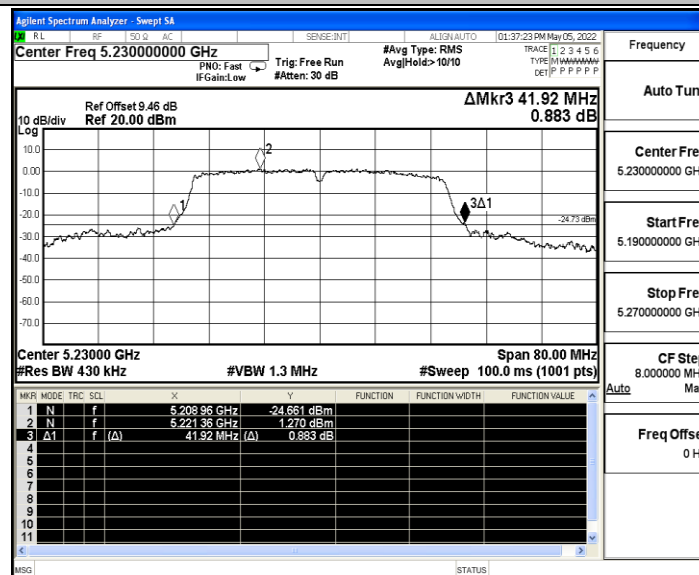
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11N40SISO\_Ant\_5230



11AC20SISO\_Ant\_5180

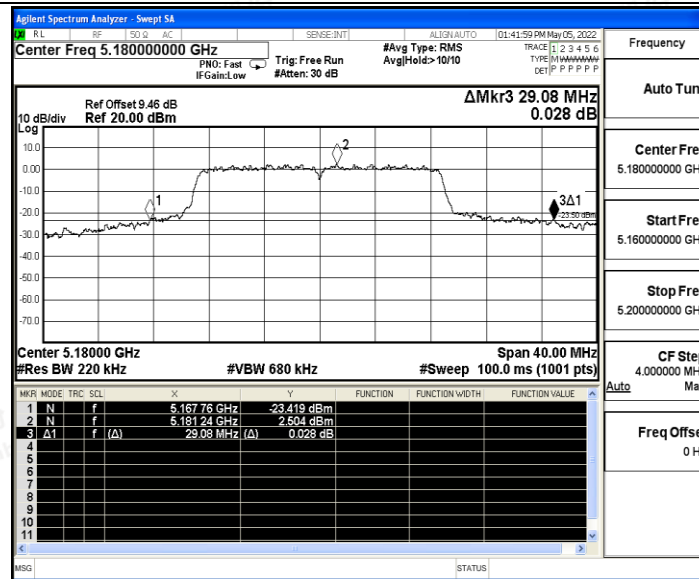


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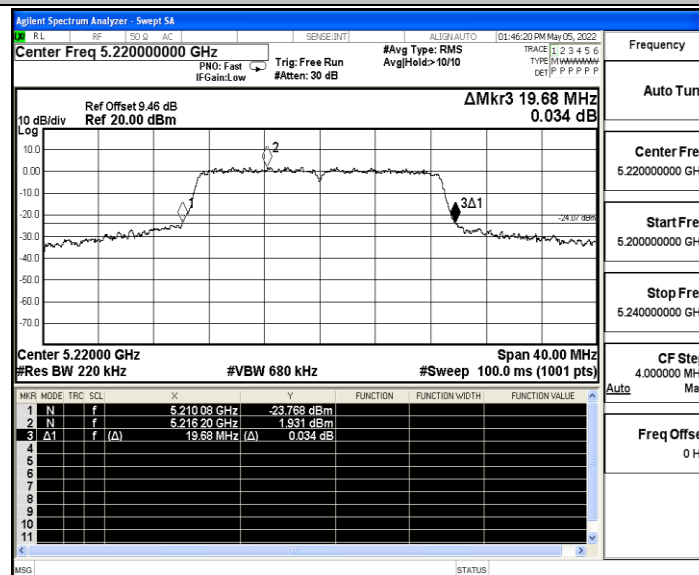
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11AC20SISO\_Ant\_5220



11AC20SISO\_Ant\_5240

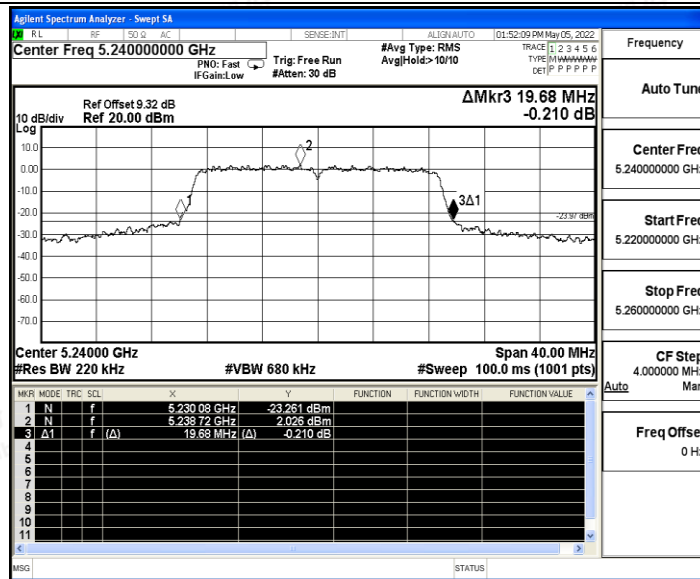


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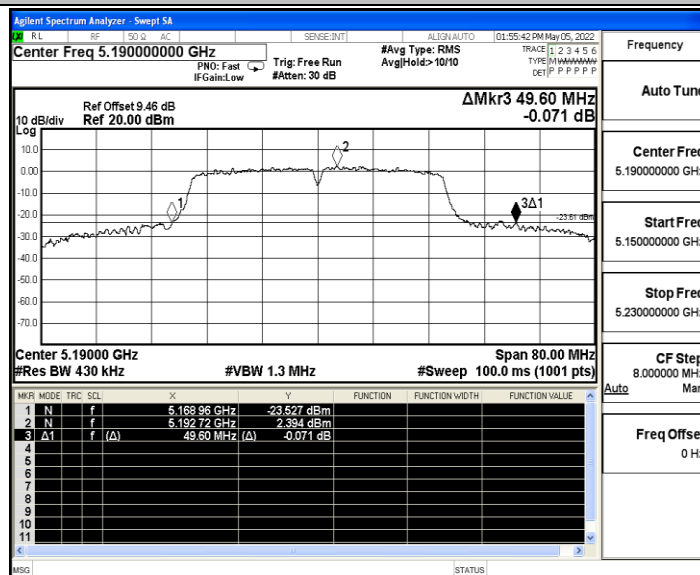
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11AC40SISO\_Ant\_5190



11AC40SISO\_Ant\_5230



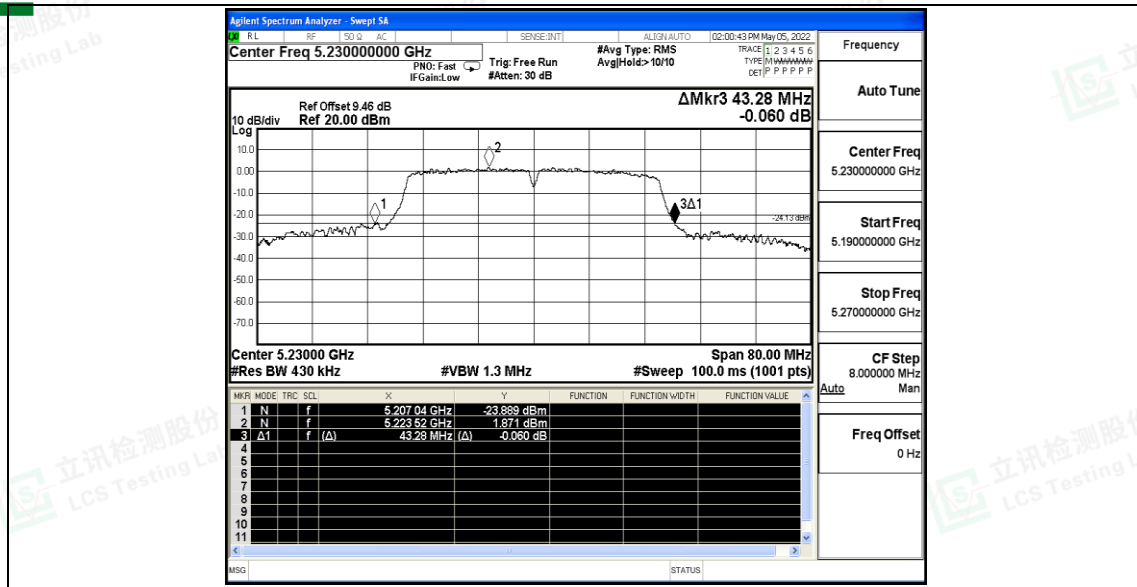
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## D.2 Maximum conducted output power

### Test Result

| TestMode   | Antenna | Channel | Result[dBm]  | Limit[dBm] | Verdict |
|------------|---------|---------|--------------|------------|---------|
| 11A        | Ant     | 5180    | 11.54        | ≤23.98     | PASS    |
|            |         | 5220    | 11.07        | ≤23.98     | PASS    |
|            |         | 5240    | <b>12.27</b> | ≤23.98     | PASS    |
| 11N20SISO  | Ant     | 5180    | 11.36        | ≤23.98     | PASS    |
|            |         | 5220    | 11.61        | ≤23.98     | PASS    |
|            |         | 5240    | 11.52        | ≤23.98     | PASS    |
| 11N40SISO  | Ant     | 5190    | 11.88        | ≤23.98     | PASS    |
|            |         | 5230    | 11.10        | ≤23.98     | PASS    |
| 11AC20SISO | Ant     | 5180    | 11.91        | ≤23.98     | PASS    |
|            |         | 5220    | 11.46        | ≤23.98     | PASS    |
|            |         | 5240    | 11.65        | ≤23.98     | PASS    |
| 11AC40SISO | Ant     | 5190    | 12.09        | ≤23.98     | PASS    |
|            |         | 5230    | 11.50        | ≤23.98     | PASS    |

Note: The Duty Cycle Factor is compensated in the graph.



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### D.3 Maximum power spectral density

#### Test Result

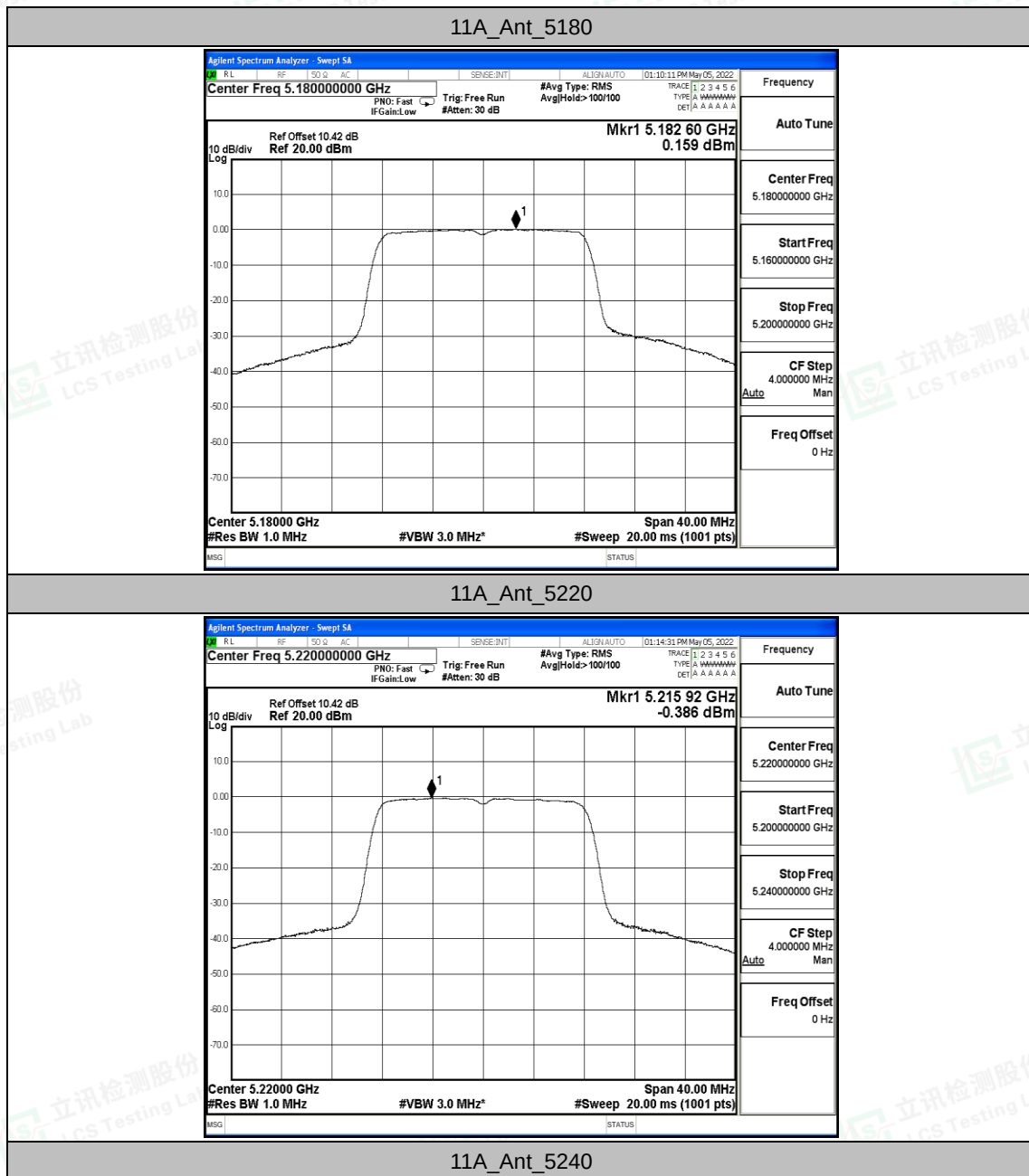
| TestMode   | Antenna | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|---------|------------------|----------------|---------|
| 11A        | Ant     | 5180    | 0.16             | ≤11.00         | PASS    |
|            |         | 5220    | -0.39            | ≤11.00         | PASS    |
|            |         | 5240    | 0.88             | ≤11.00         | PASS    |
| 11N20SISO  | Ant     | 5180    | -0.26            | ≤11.00         | PASS    |
|            |         | 5220    | -0.14            | ≤11.00         | PASS    |
|            |         | 5240    | -0.10            | ≤11.00         | PASS    |
| 11N40SISO  | Ant     | 5190    | -2.37            | ≤11.00         | PASS    |
|            |         | 5230    | -3.12            | ≤11.00         | PASS    |
| 11AC20SISO | Ant     | 5180    | 0.15             | ≤11.00         | PASS    |
|            |         | 5220    | -0.28            | ≤11.00         | PASS    |
|            |         | 5240    | 0.02             | ≤11.00         | PASS    |
| 11AC40SISO | Ant     | 5190    | -1.94            | ≤11.00         | PASS    |
|            |         | 5230    | -2.53            | ≤11.00         | PASS    |

Note: 1.The Duty Cycle Factor and RBW Factor is compensated in the graph.





## Test Graphs

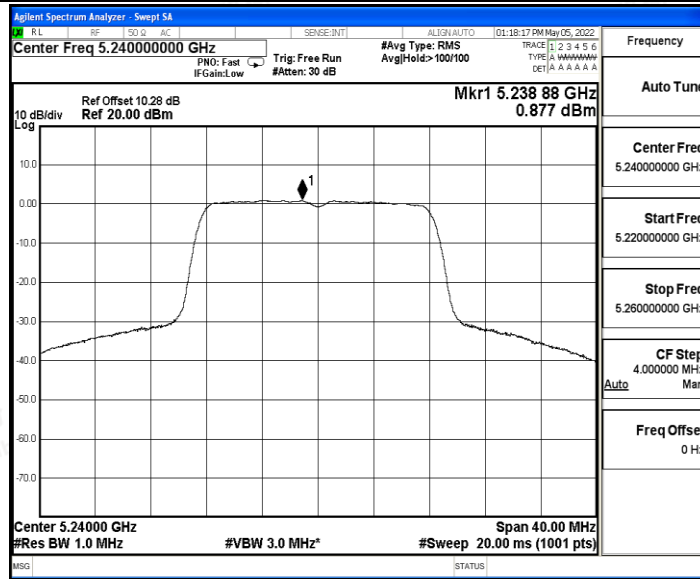


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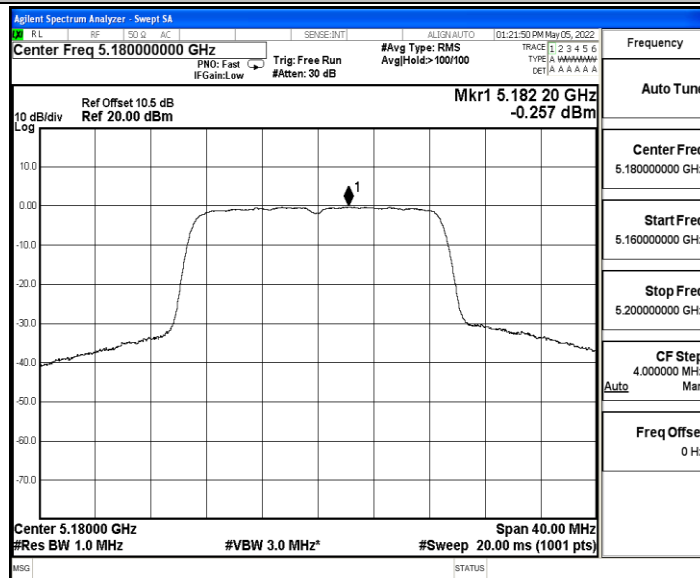
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11N20SISO\_Ant\_5180



11N20SISO\_Ant\_5220

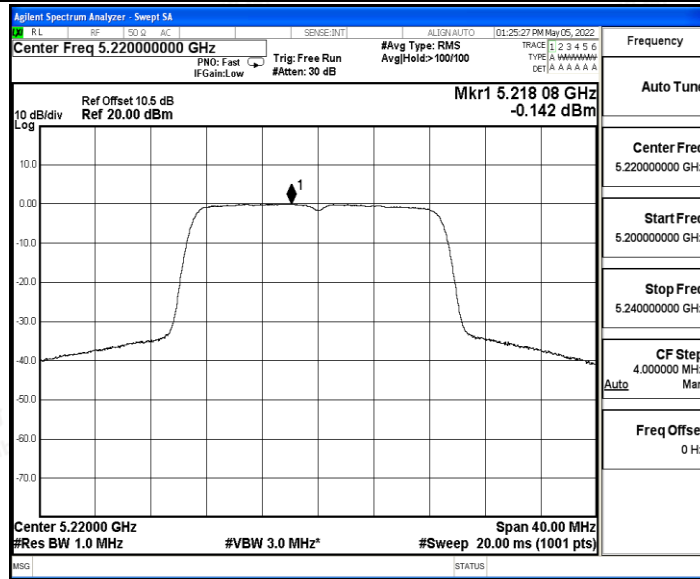


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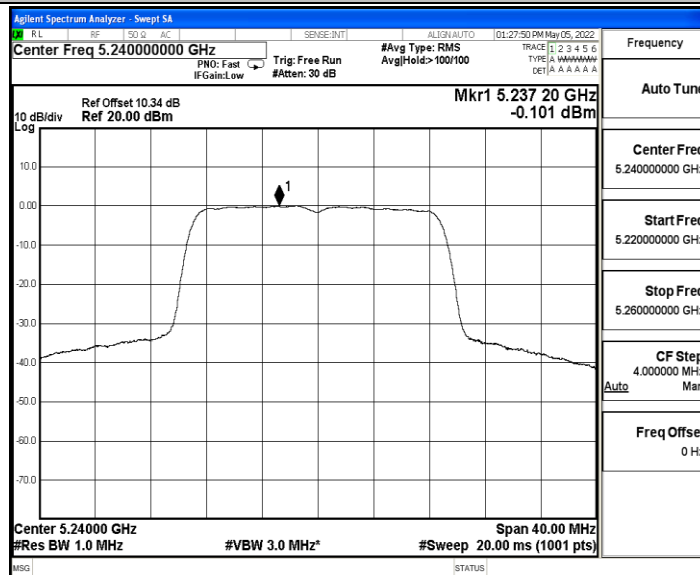
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11N20SISO\_Ant\_5240



11N40SISO\_Ant\_5190

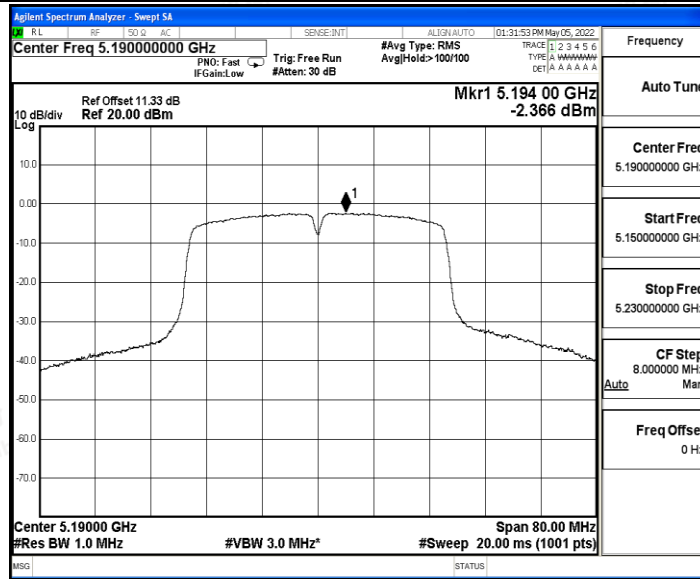


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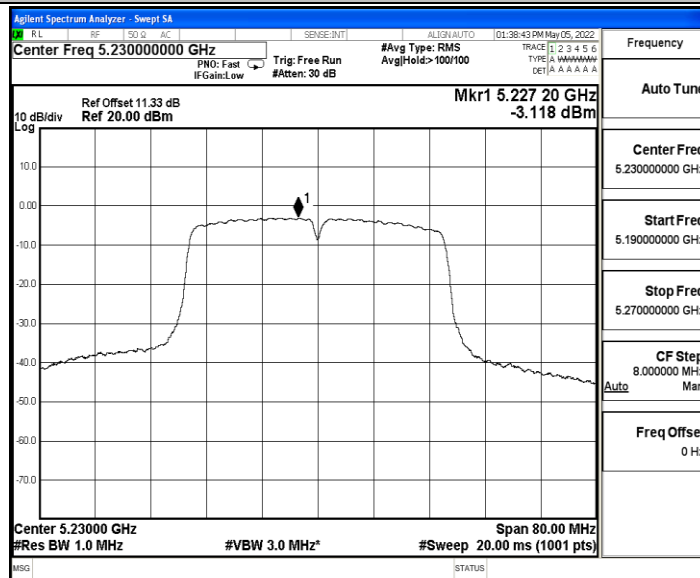
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N40SISO\_Ant\_5230



11AC20SISO\_Ant\_5180

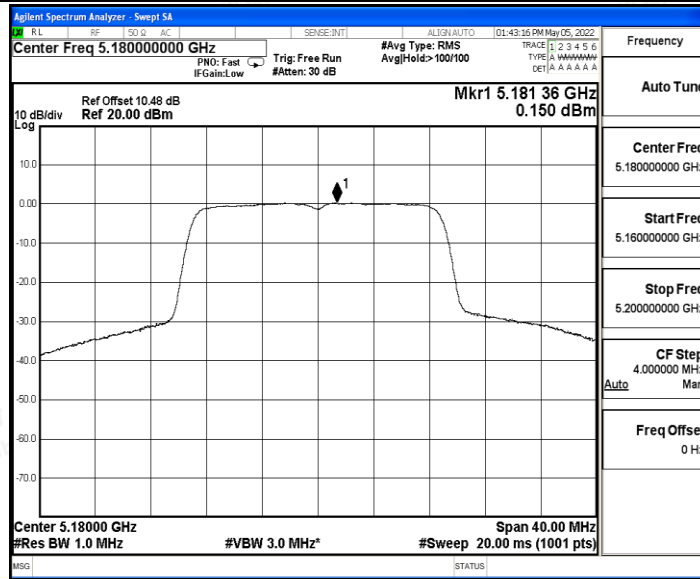


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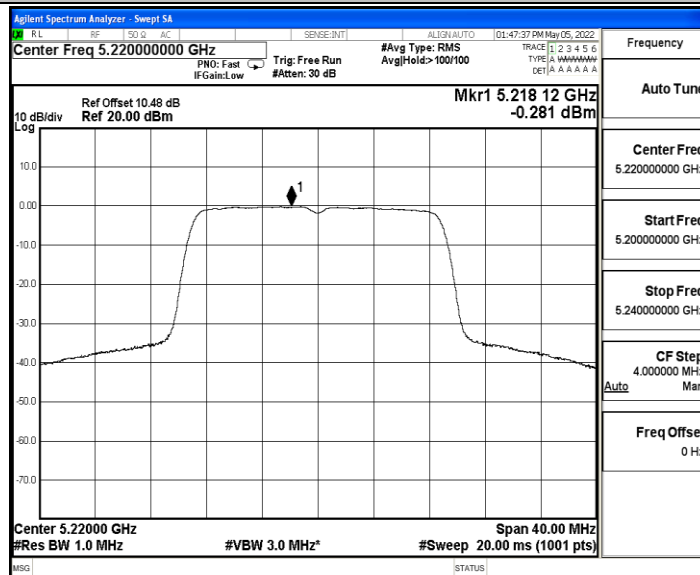
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11AC20SISO\_Ant\_5220



11AC20SISO\_Ant\_5240



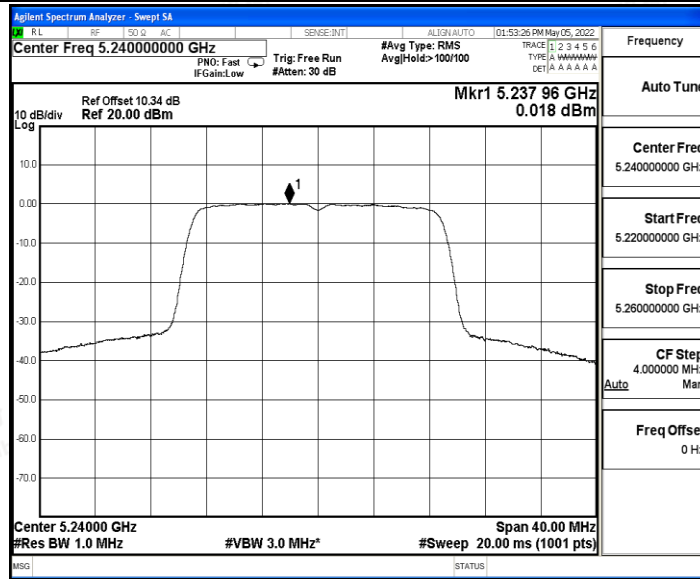
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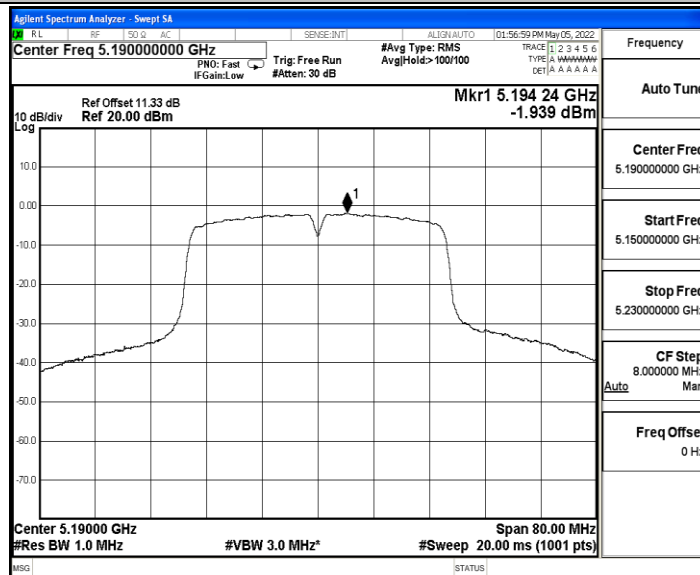
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11AC40SISO\_Ant\_5190



11AC40SISO\_Ant\_5230

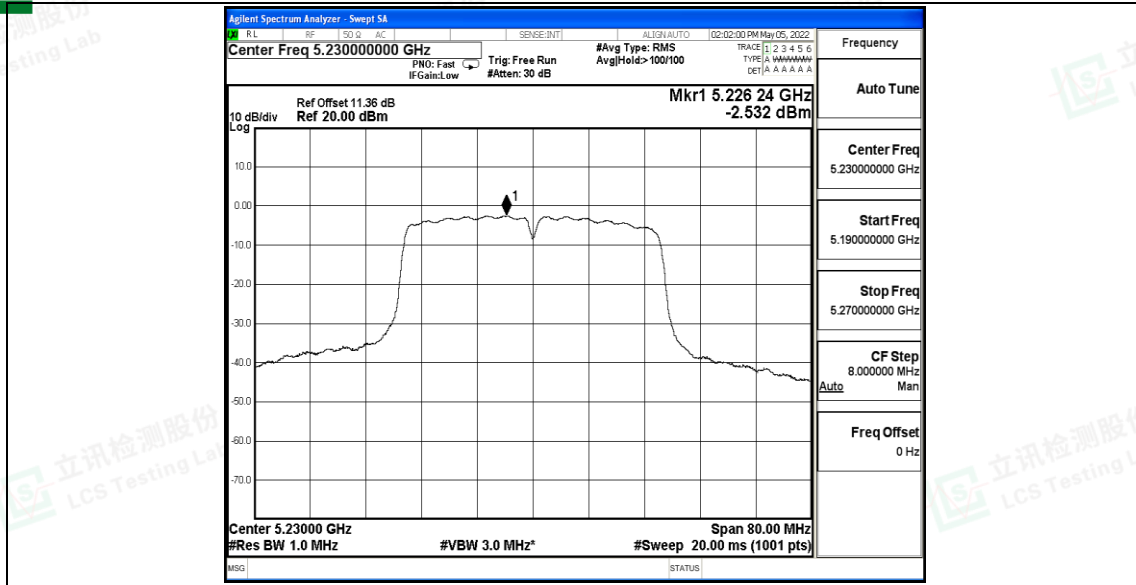


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## D.4 Emissions in Restricted Bands

### Test Result

| TestMode      | Antenna | ChName | Channel | Detector | Freq.<br>[MHz] | Result<br>[dBm] | Limit<br>[dBm] | Result<br>[dBuV/m] | Limit<br>[dBuV/m] | Verdict |
|---------------|---------|--------|---------|----------|----------------|-----------------|----------------|--------------------|-------------------|---------|
| 11A           | Ant     | Low    | 5180    | AV       | 4500.000       | -49.08          | ≤-41.20        | 46.12              | ≤54               | PASS    |
|               |         |        |         | AV       | 5149.600       | -45.79          | ≤-41.20        | 49.41              | ≤54               | PASS    |
|               |         |        |         | AV       | 5150.000       | -45.77          | ≤-41.20        | 49.43              | ≤54               | PASS    |
|               |         |        |         | Peak     | 4500.000       | -38.93          | ≤-21.20        | 56.27              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5147.500       | -34.96          | ≤-21.20        | 60.24              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5150.000       | -35             | ≤-21.20        | 60.20              | ≤68.2             | PASS    |
|               |         | High   | 5240    | AV       | 5350.000       | -47.82          | ≤-41.20        | 47.38              | ≤54               | PASS    |
|               |         |        |         | AV       | 5377.440       | -47.6           | ≤-41.20        | 47.60              | ≤54               | PASS    |
|               |         |        |         | AV       | 5460.000       | -47.84          | ≤-41.20        | 47.36              | ≤54               | PASS    |
|               |         |        |         | Peak     | 5350.000       | -38.51          | ≤-21.20        | 56.69              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5448.240       | -36.96          | ≤-21.20        | 58.24              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5460.000       | -39.57          | ≤-21.20        | 55.63              | ≤68.2             | PASS    |
| 11N20SIS<br>O | Ant     | Low    | 5180    | AV       | 4500.000       | -48.87          | ≤-41.20        | 46.33              | ≤54               | PASS    |
|               |         |        |         | AV       | 5149.600       | -45.27          | ≤-41.20        | 49.93              | ≤54               | PASS    |
|               |         |        |         | AV       | 5150.000       | -44.92          | ≤-41.20        | 50.28              | ≤54               | PASS    |
|               |         |        |         | Peak     | 4500.000       | -40.13          | ≤-21.20        | 55.07              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5144.700       | -33.62          | ≤-21.20        | 61.58              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5150.000       | -34.86          | ≤-21.20        | 60.34              | ≤68.2             | PASS    |
|               |         | High   | 5240    | AV       | 5350.000       | -47.83          | ≤-41.20        | 47.37              | ≤54               | PASS    |
|               |         |        |         | AV       | 5352.000       | -47.61          | ≤-41.20        | 47.59              | ≤54               | PASS    |
|               |         |        |         | AV       | 5460.000       | -48.06          | ≤-41.20        | 47.14              | ≤54               | PASS    |
|               |         |        |         | Peak     | 5350.000       | -38.44          | ≤-21.20        | 56.76              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5360.160       | -37.05          | ≤-21.20        | 58.15              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5460.000       | -38.28          | ≤-21.20        | 56.92              | ≤68.2             | PASS    |
| 11N40SIS<br>O | Ant     | Low    | 5190    | AV       | 4500.000       | -48.8           | ≤-41.20        | 46.40              | ≤54               | PASS    |
|               |         |        |         | AV       | 5149.600       | -43.27          | ≤-41.20        | 51.93              | ≤54               | PASS    |
|               |         |        |         | AV       | 5150.000       | -42.9           | ≤-41.20        | 52.30              | ≤54               | PASS    |
|               |         |        |         | Peak     | 4500.000       | -40.04          | ≤-21.20        | 55.16              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5149.600       | -31.06          | ≤-21.20        | 64.14              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5150.000       | -32.88          | ≤-21.20        | 62.32              | ≤68.2             | PASS    |
|               |         | High   | 5230    | AV       | 5350.000       | -47.57          | ≤-41.20        | 47.63              | ≤54               | PASS    |
|               |         |        |         | AV       | 5457.400       | -47.18          | ≤-41.20        | 48.02              | ≤54               | PASS    |
|               |         |        |         | AV       | 5460.000       | -47.56          | ≤-41.20        | 47.64              | ≤54               | PASS    |
|               |         |        |         | Peak     | 5350.000       | -38.5           | ≤-21.20        | 56.70              | ≤68.2             | PASS    |
|               |         |        |         | Peak     | 5364.580       | -37.21          | ≤-21.20        | 57.99              | ≤68.2             | PASS    |



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|----------------|-----|------|------|------|----------|--------|---------|-------|-------|------|
| 11AC20SI<br>SO | Ant | Low  | 5180 | Peak | 5460.000 | -39.52 | ≤-21.20 | 55.68 | ≤68.2 | PASS |
|                |     |      |      | AV   | 4500.000 | -49    | ≤-41.20 | 46.20 | ≤54   | PASS |
|                |     |      |      | AV   | 5149.600 | -44.49 | ≤-41.20 | 50.71 | ≤54   | PASS |
|                |     |      |      | AV   | 5150.000 | -44.23 | ≤-41.20 | 50.97 | ≤54   | PASS |
|                |     |      |      | Peak | 4500.000 | -40.47 | ≤-21.20 | 54.73 | ≤68.2 | PASS |
|                |     |      |      | Peak | 5149.600 | -33.98 | ≤-21.20 | 61.22 | ≤68.2 | PASS |
|                |     |      |      | Peak | 5150.000 | -34.83 | ≤-21.20 | 60.37 | ≤68.2 | PASS |
|                |     | High | 5240 | AV   | 5350.000 | -47.67 | ≤-41.20 | 47.53 | ≤54   | PASS |
|                |     |      |      | AV   | 5353.200 | -47.56 | ≤-41.20 | 47.64 | ≤54   | PASS |
|                |     |      |      | AV   | 5460.000 | -47.88 | ≤-41.20 | 47.32 | ≤54   | PASS |
|                |     |      |      | Peak | 5350.000 | -38.76 | ≤-21.20 | 56.44 | ≤68.2 | PASS |
|                |     |      |      | Peak | 5454.240 | -37.62 | ≤-21.20 | 57.58 | ≤68.2 | PASS |
|                |     |      |      | Peak | 5460.000 | -39.33 | ≤-21.20 | 55.87 | ≤68.2 | PASS |
| 11AC40SI<br>SO | Ant | Low  | 5190 | AV   | 4500.000 | -48.82 | ≤-41.20 | 46.38 | ≤54   | PASS |
|                |     |      |      | AV   | 5149.600 | -43.81 | ≤-41.20 | 51.39 | ≤54   | PASS |
|                |     |      |      | AV   | 5150.000 | -43.65 | ≤-41.20 | 51.55 | ≤54   | PASS |
|                |     |      |      | Peak | 4500.000 | -41.37 | ≤-21.20 | 53.83 | ≤68.2 | PASS |
|                |     |      |      | Peak | 5148.200 | -29.85 | ≤-21.20 | 65.35 | ≤68.2 | PASS |
|                |     |      |      | Peak | 5150.000 | -32.98 | ≤-21.20 | 62.22 | ≤68.2 | PASS |
|                |     | High | 5230 | AV   | 5350.000 | -47.38 | ≤-41.20 | 47.82 | ≤54   | PASS |
|                |     |      |      | AV   | 5381.740 | -47.08 | ≤-41.20 | 48.12 | ≤54   | PASS |
|                |     |      |      | AV   | 5460.000 | -47.4  | ≤-41.20 | 47.80 | ≤54   | PASS |
|                |     |      |      | Peak | 5350.000 | -39.29 | ≤-21.20 | 55.91 | ≤68.2 | PASS |
|                |     |      |      | Peak | 5387.200 | -36.97 | ≤-21.20 | 58.23 | ≤68.2 | PASS |
|                |     |      |      | Peak | 5460.000 | -38.71 | ≤-21.20 | 56.49 | ≤68.2 | PASS |

## Note:

1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5250 GHz band: 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

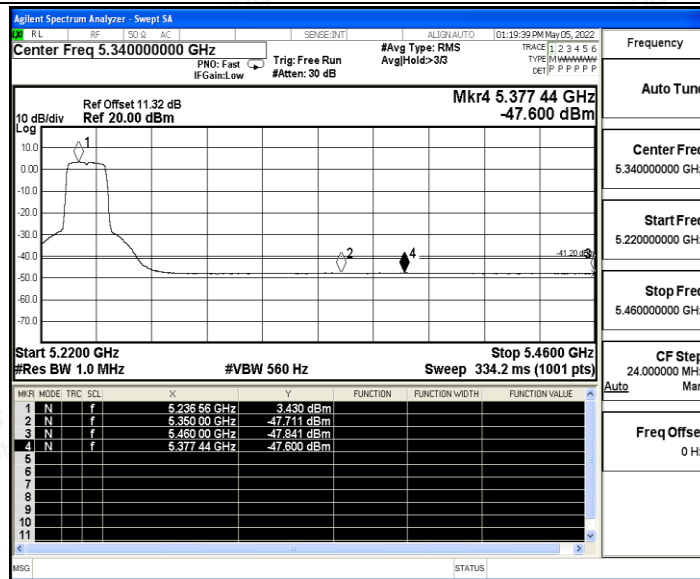


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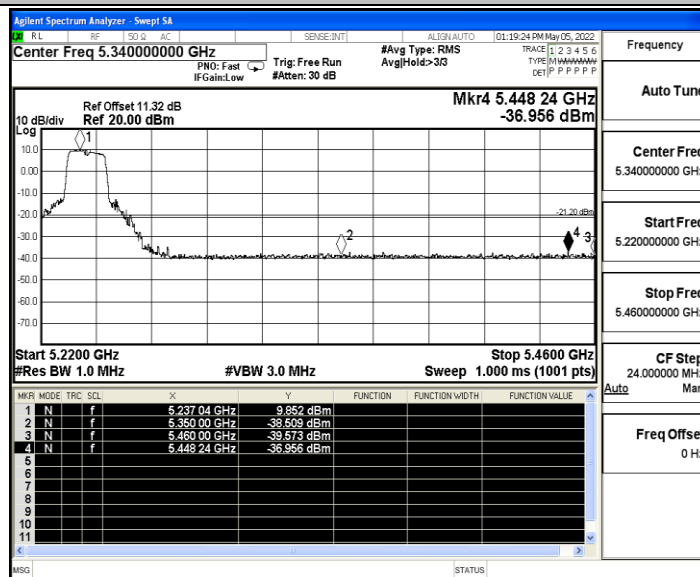
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11A\_Ant\_High\_5240\_Peak



11N20SISO\_Ant\_Low\_5180\_AV

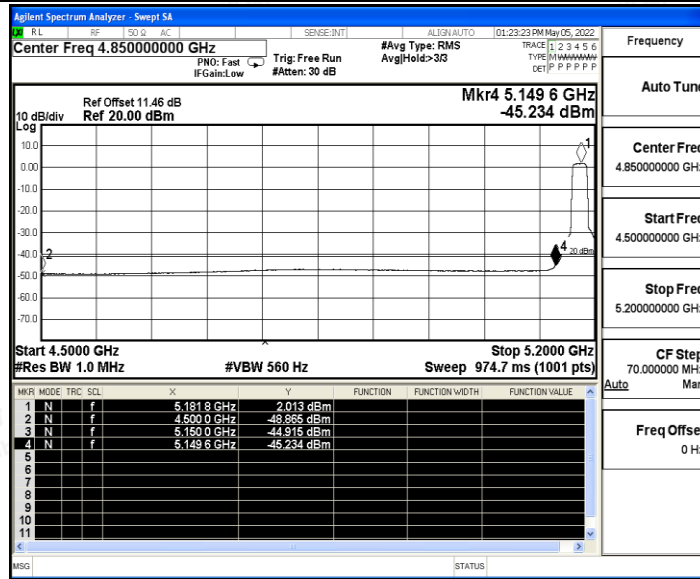


Shenzhen LCS Compliance Testing Laboratory Ltd.

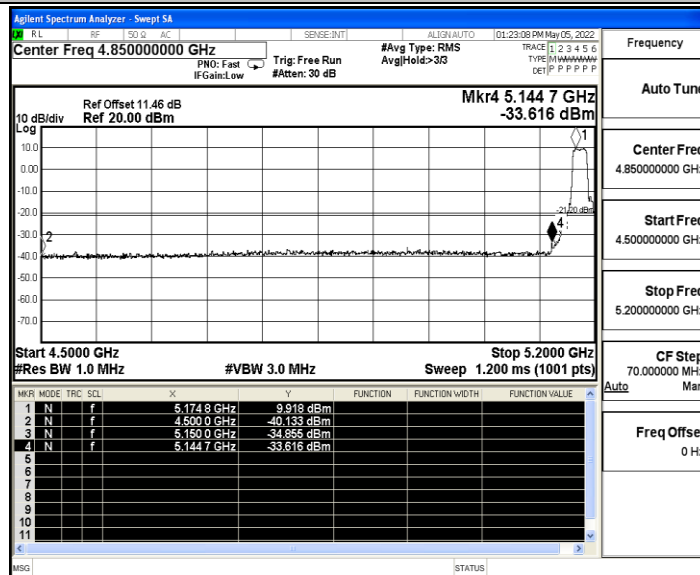
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant\_Low\_5180\_Peak



11N20SISO\_Ant\_High\_5240\_AV



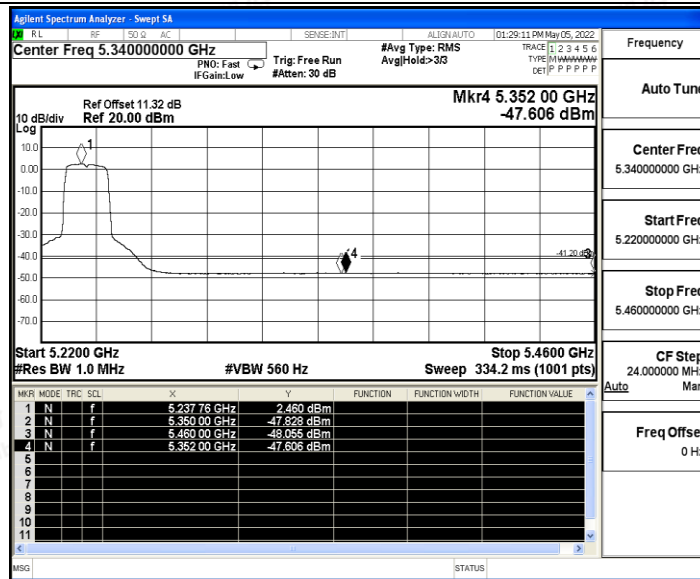
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Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

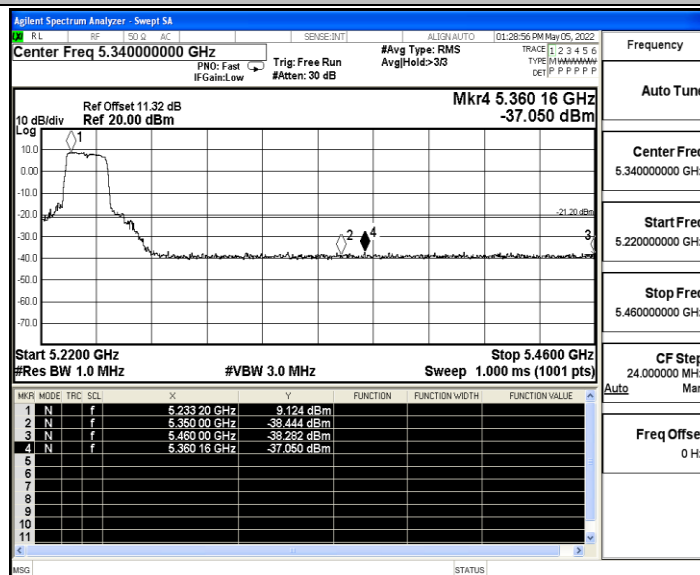
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11N20SISO\_Ant\_High\_5240\_Peak



11N40SISO\_Ant\_Low\_5190\_AV



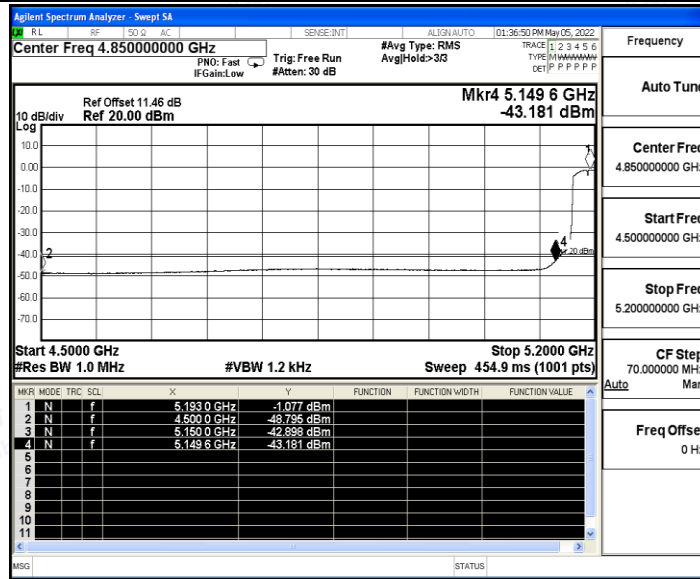
Shenzhen LCS Compliance Testing Laboratory Ltd.

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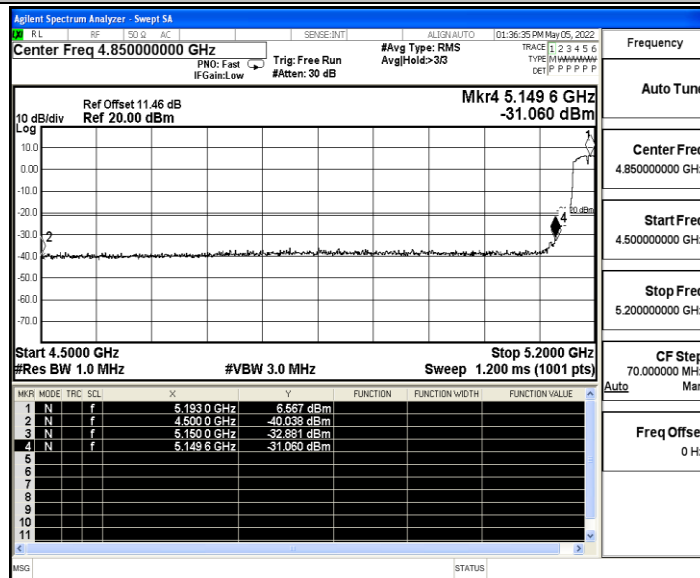
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11N40SISO\_Ant\_Low\_5190\_Peak



11N40SISO\_Ant\_High\_5230\_AV

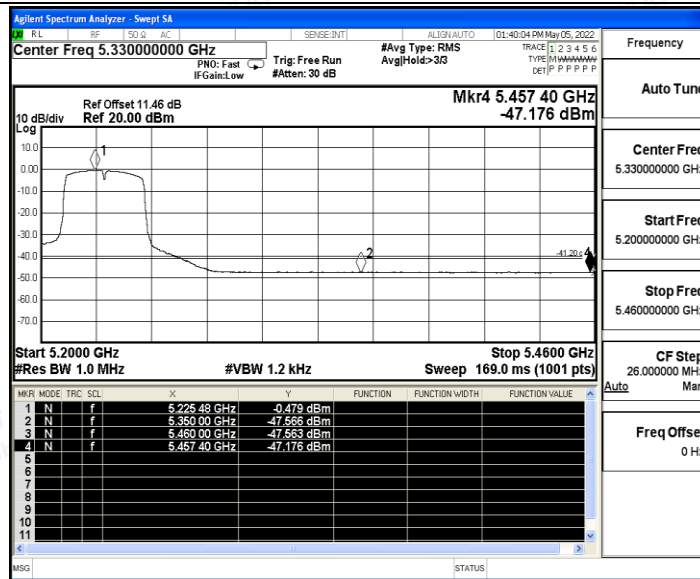


Shenzhen LCS Compliance Testing Laboratory Ltd.

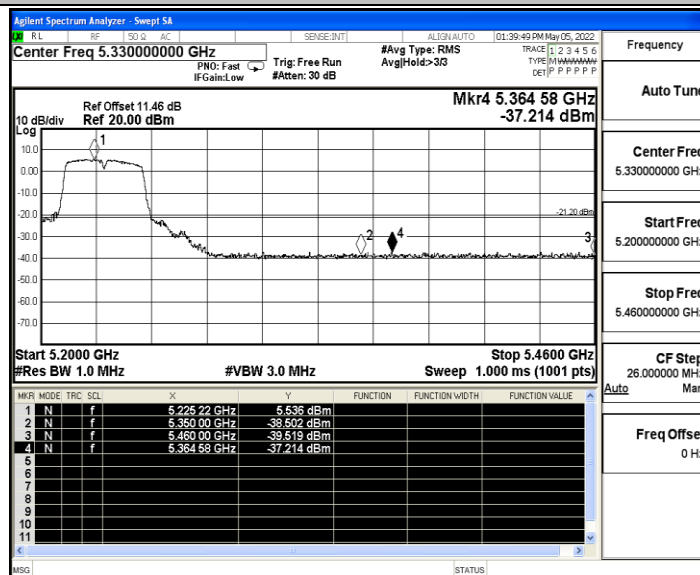
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11N40SISO\_Ant\_High\_5230\_Peak



11AC20SISO\_Ant\_Low\_5180\_AV

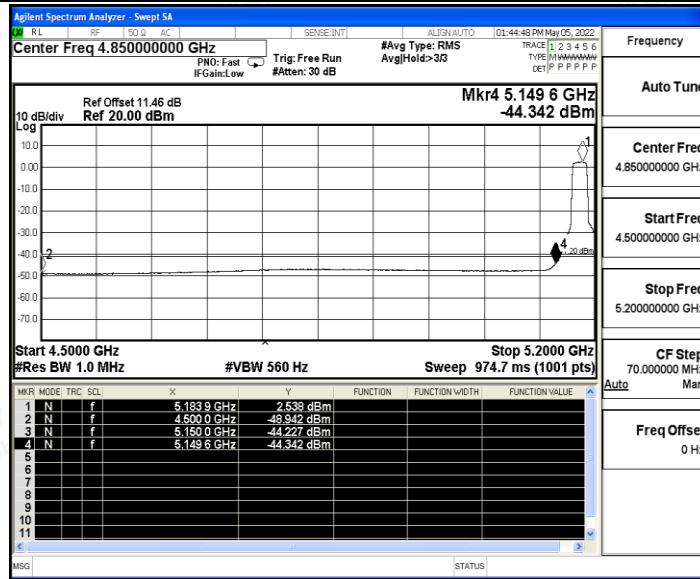


Shenzhen LCS Compliance Testing Laboratory Ltd.

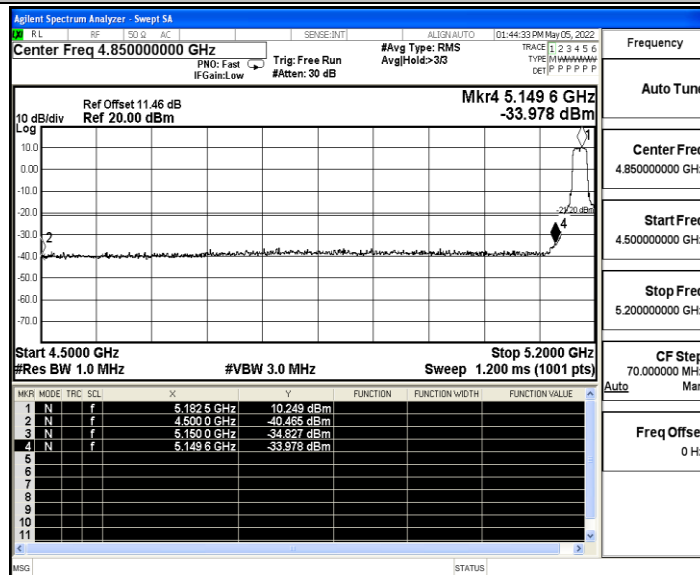
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11AC20SISO\_Ant\_Low\_5180\_Peak



11AC20SISO\_Ant\_High\_5240\_AV

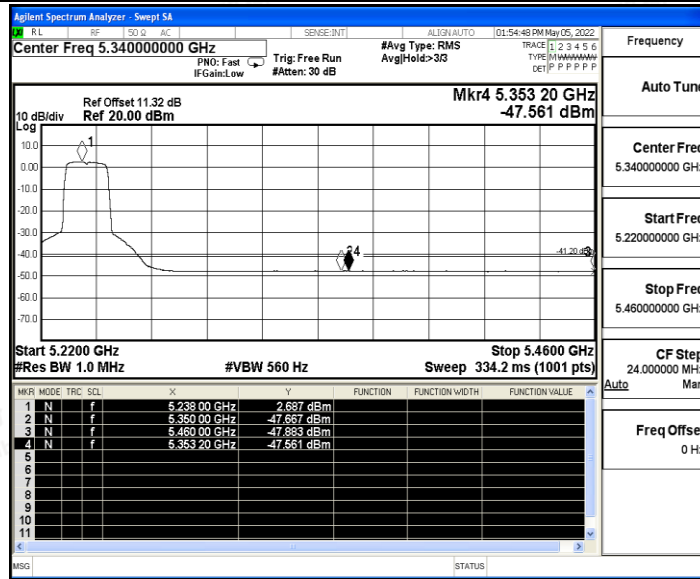


Shenzhen LCS Compliance Testing Laboratory Ltd.

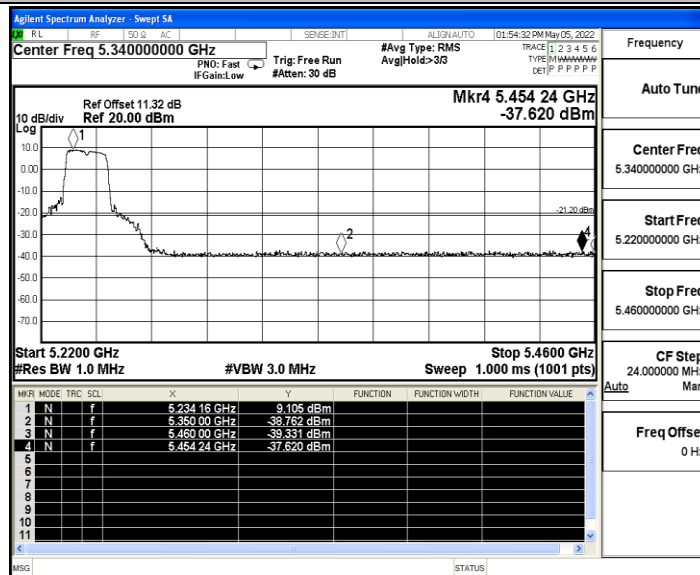
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11AC20SISO\_Ant\_High\_5240\_Peak



11AC40SISO\_Ant\_Low\_5190\_AV

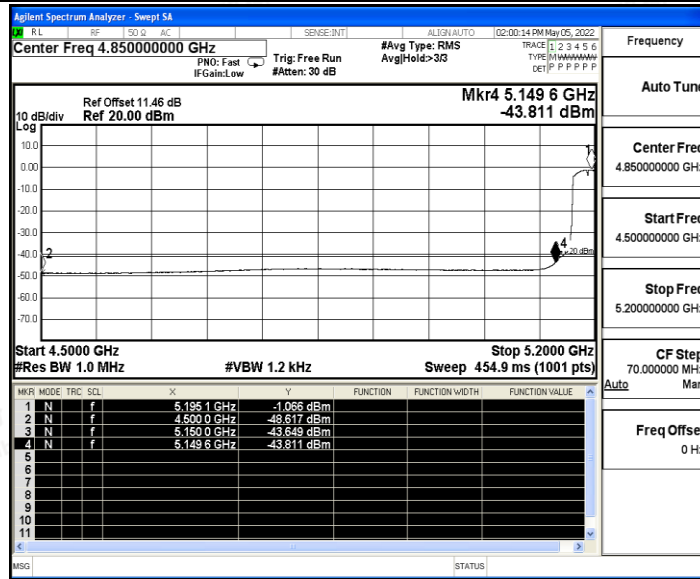


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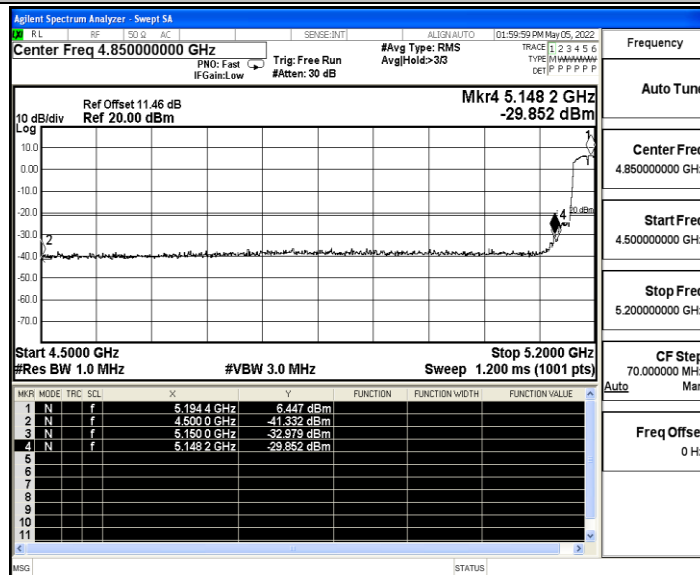
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11AC40SISO\_Ant\_Low\_5190\_Peak



11AC40SISO\_Ant\_High\_5230\_AV

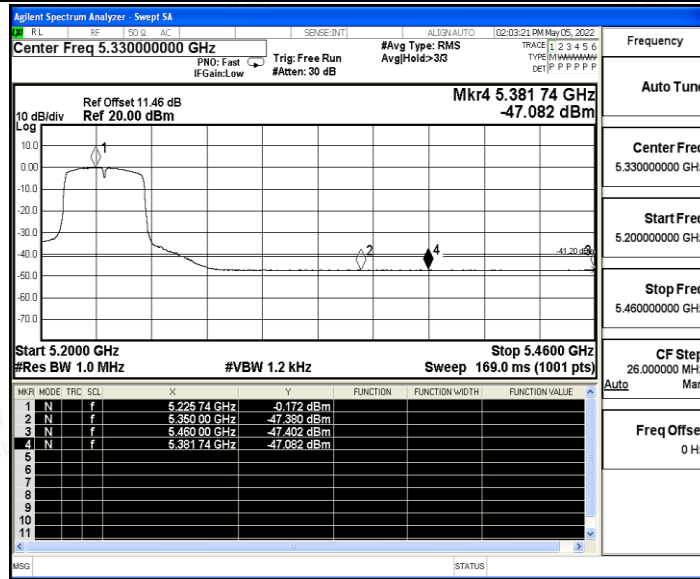


Shenzhen LCS Compliance Testing Laboratory Ltd.

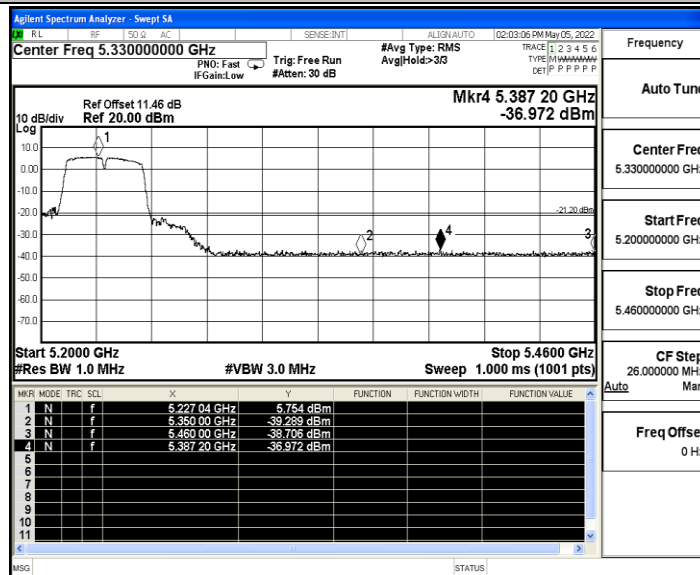
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## 11AC40SISO\_Ant\_High\_5230\_Peak



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## D.5 Frequency Stability

### Test Result

| Voltage        |         |         |               |                  |                |                 |             |         |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode       | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC20S<br>ISO | Ant     | 5180    | NV            | NT               | -21000         | -4.054054       | 20          | PASS    |
|                |         |         | LV            | NT               | -23000         | -4.440154       | 20          | PASS    |
|                |         |         | HV            | NT               | -24000         | -4.633205       | 20          | PASS    |
|                |         | 5220    | NV            | NT               | -27000         | -5.172414       | 20          | PASS    |
|                |         |         | LV            | NT               | -28000         | -5.363985       | 20          | PASS    |
|                |         |         | HV            | NT               | -28000         | -5.363985       | 20          | PASS    |
|                |         | 5240    | NV            | NT               | -28000         | -5.343511       | 20          | PASS    |
|                |         |         | LV            | NT               | -29000         | -5.534351       | 20          | PASS    |
|                |         |         | HV            | NT               | -29000         | -5.534351       | 20          | PASS    |
| 11AC40S<br>ISO | Ant     | 5190    | NV            | NT               | -28000         | -5.39499        | 20          | PASS    |
|                |         |         | LV            | NT               | -29000         | -5.587669       | 20          | PASS    |
|                |         |         | HV            | NT               | -29000         | -5.587669       | 20          | PASS    |
|                |         | 5230    | NV            | NT               | -29000         | -5.544933       | 20          | PASS    |
|                |         |         | LV            | NT               | -29000         | -5.544933       | 20          | PASS    |
|                |         |         | HV            | NT               | -29000         | -5.544933       | 20          | PASS    |

| Temperature    |         |         |               |                  |                |                 |             |         |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode       | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC20S<br>ISO | Ant     | 5180    | NV            | -30              | -25000         | -4.826255       | 20          | PASS    |
|                |         |         | NV            | -20              | -26000         | -5.019305       | 20          | PASS    |
|                |         |         | NV            | -10              | -26000         | -5.019305       | 20          | PASS    |
|                |         |         | NV            | 0                | -26000         | -5.019305       | 20          | PASS    |
|                |         |         | NV            | 10               | -26000         | -5.019305       | 20          | PASS    |
|                |         |         | NV            | 20               | -27000         | -5.212355       | 20          | PASS    |
|                |         |         | NV            | 30               | -27000         | -5.212355       | 20          | PASS    |
|                |         |         | NV            | 40               | -27000         | -5.212355       | 20          | PASS    |
|                |         |         | NV            | 50               | -27000         | -5.212355       | 20          | PASS    |
|                |         | 5220    | NV            | -30              | -28000         | -5.363985       | 20          | PASS    |
|                |         |         | NV            | -20              | -28000         | -5.363985       | 20          | PASS    |
|                |         |         | NV            | -10              | -28000         | -5.363985       | 20          | PASS    |
|                |         |         | NV            | 0                | -28000         | -5.363985       | 20          | PASS    |
|                |         |         | NV            | 10               | -28000         | -5.363985       | 20          | PASS    |
|                |         |         | NV            | 20               | -28000         | -5.363985       | 20          | PASS    |



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|                |     |      |    |     |        |           |    |      |
|----------------|-----|------|----|-----|--------|-----------|----|------|
| 11AC40S<br>ISO | Ant |      | NV | 20  | -28000 | -5.363985 | 20 | PASS |
|                |     |      | NV | 30  | -28000 | -5.363985 | 20 | PASS |
|                |     |      | NV | 40  | -29000 | -5.555556 | 20 | PASS |
|                |     |      | NV | 50  | -29000 | -5.555556 | 20 | PASS |
|                |     | 5240 | NV | -30 | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | -20 | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | -10 | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | 0   | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | 10  | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | 20  | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | 30  | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | 40  | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | 50  | -29000 | -5.534351 | 20 | PASS |
|                |     |      | NV | -30 | -29000 | -5.587669 | 20 | PASS |
|                |     |      | NV | -20 | -29000 | -5.587669 | 20 | PASS |
|                |     |      | NV | -10 | -29000 | -5.587669 | 20 | PASS |
|                |     |      | NV | 0   | -29000 | -5.587669 | 20 | PASS |
|                | Ant | 5190 | NV | 10  | -29000 | -5.587669 | 20 | PASS |
|                |     |      | NV | 20  | -29000 | -5.587669 | 20 | PASS |
|                |     |      | NV | 30  | -29000 | -5.587669 | 20 | PASS |
|                |     |      | NV | 40  | -29000 | -5.587669 | 20 | PASS |
|                |     |      | NV | 50  | -29000 | -5.587669 | 20 | PASS |
|                |     |      | NV | -30 | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | -20 | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | -10 | -29000 | -5.544933 | 20 | PASS |
|                |     | 5230 | NV | 0   | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | 10  | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | 20  | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | 30  | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | 40  | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | 50  | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | -30 | -29000 | -5.544933 | 20 | PASS |
|                |     |      | NV | -20 | -29000 | -5.544933 | 20 | PASS |



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## D.6 Duty Cycle

### Test Result

| TestMode   | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|------------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11A        | Ant     | 5180    | 2.03                       | 2.53                     | 80.24          | ---   | ---     |
|            |         | 5220    | 2.02                       | 2.52                     | 80.16          | ---   | ---     |
|            |         | 5240    | 2.03                       | 2.53                     | 80.24          | ---   | ---     |
| 11N20SISO  | Ant     | 5180    | 1.88                       | 2.39                     | 78.66          | ---   | ---     |
|            |         | 5220    | 1.89                       | 2.40                     | 78.75          | ---   | ---     |
|            |         | 5240    | 1.89                       | 2.39                     | 79.08          | ---   | ---     |
| 11N40SISO  | Ant     | 5190    | 0.93                       | 1.43                     | 65.03          | ---   | ---     |
|            |         | 5230    | 0.93                       | 1.43                     | 65.03          | ---   | ---     |
| 11AC20SISO | Ant     | 5180    | 1.89                       | 2.39                     | 79.08          | ---   | ---     |
|            |         | 5220    | 1.89                       | 2.39                     | 79.08          | ---   | ---     |
|            |         | 5240    | 1.89                       | 2.39                     | 79.08          | ---   | ---     |
| 11AC40SISO | Ant     | 5190    | 0.93                       | 1.43                     | 65.03          | ---   | ---     |
|            |         | 5230    | 0.93                       | 1.44                     | 64.58          | ---   | ---     |



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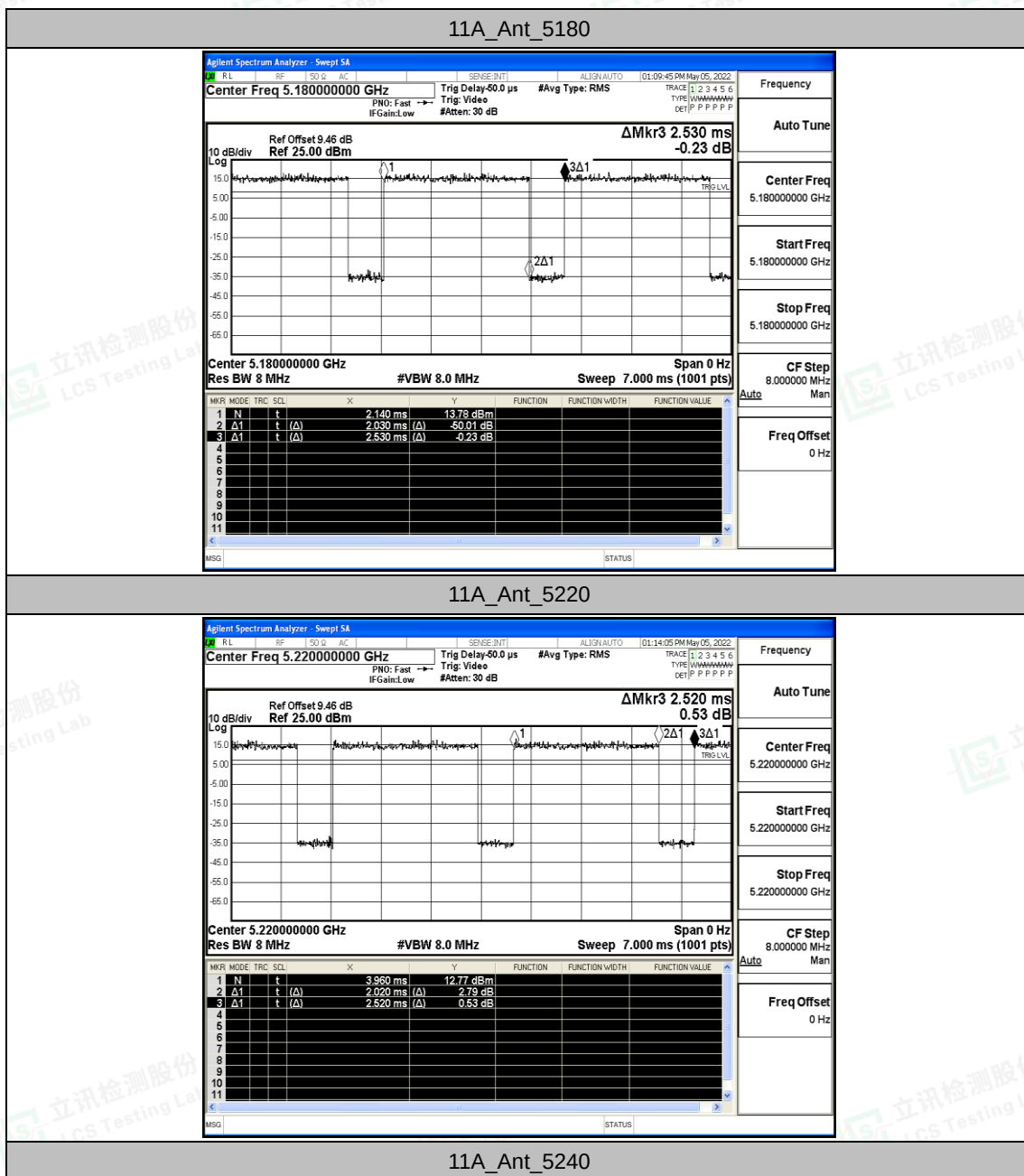
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## Test Graphs

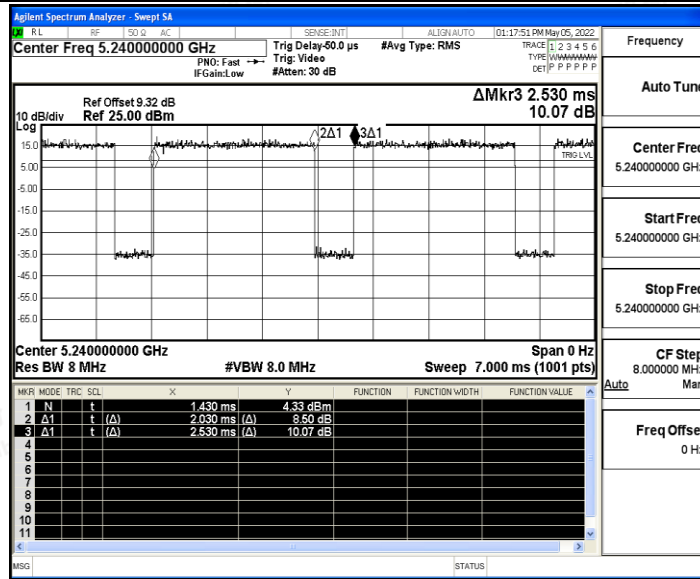


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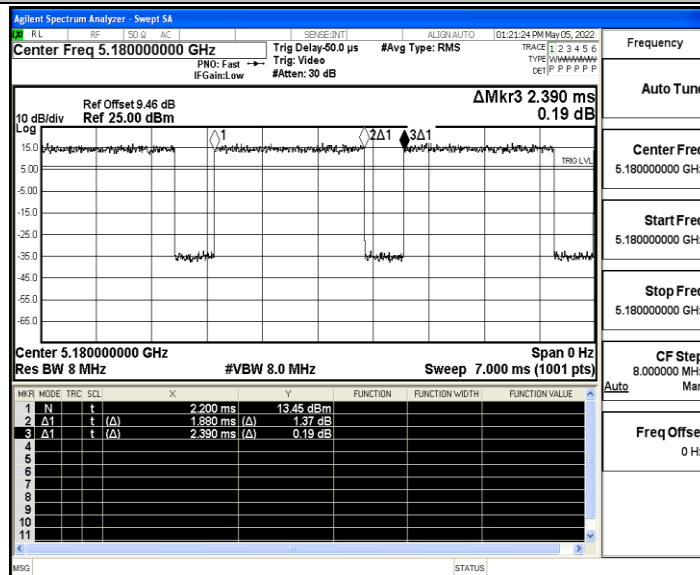
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant\_5180



11N20SISO\_Ant\_5220

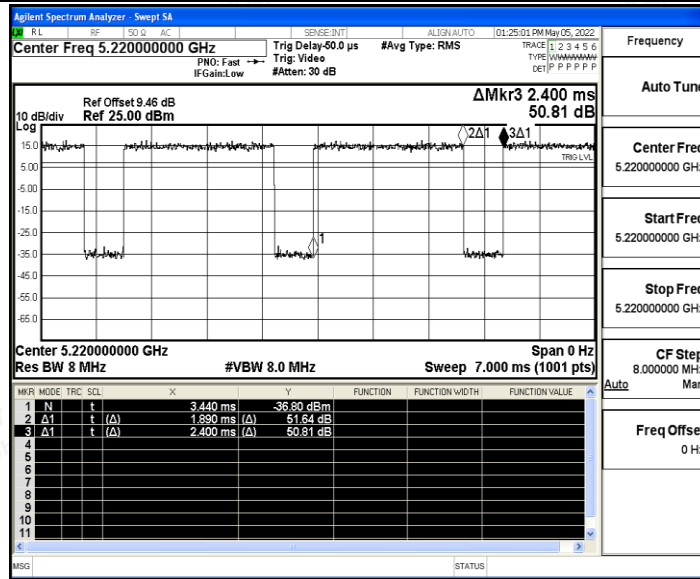


Shenzhen LCS Compliance Testing Laboratory Ltd.

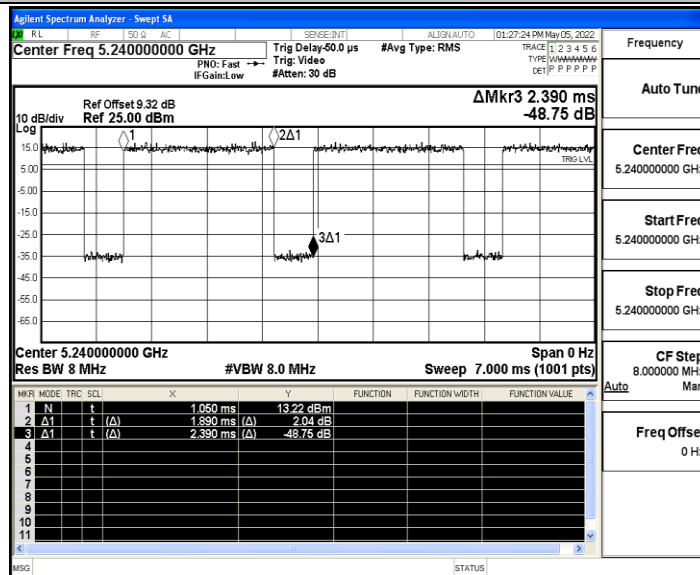
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11N20SISO\_Ant\_5240



11N40SISO\_Ant\_5190

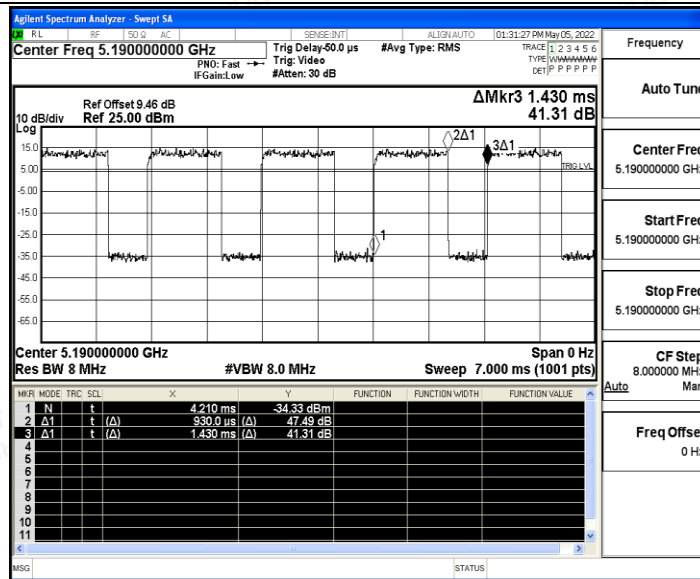


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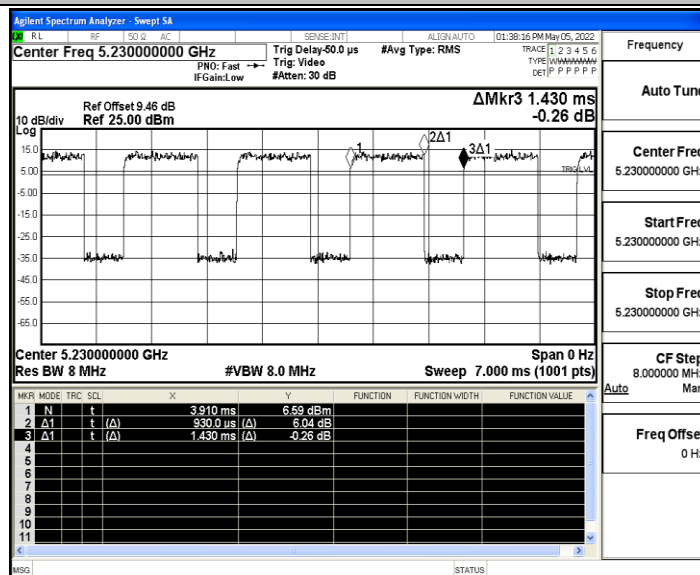
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11N40SISO\_Ant\_5230



11AC20SISO\_Ant\_5180

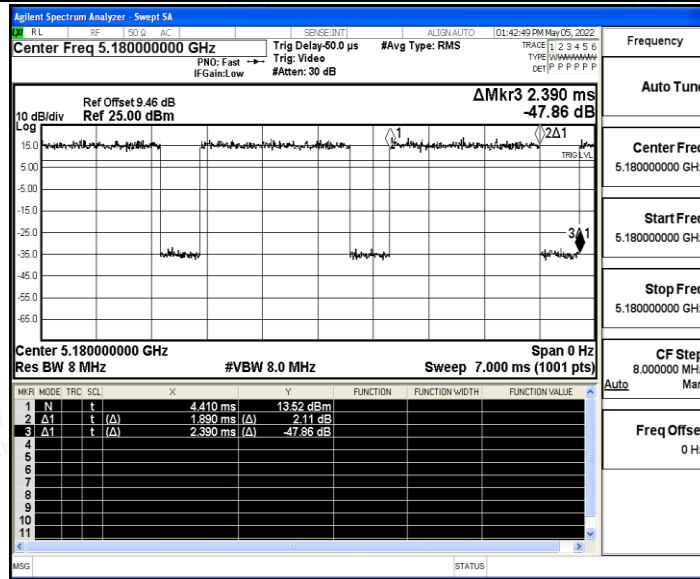


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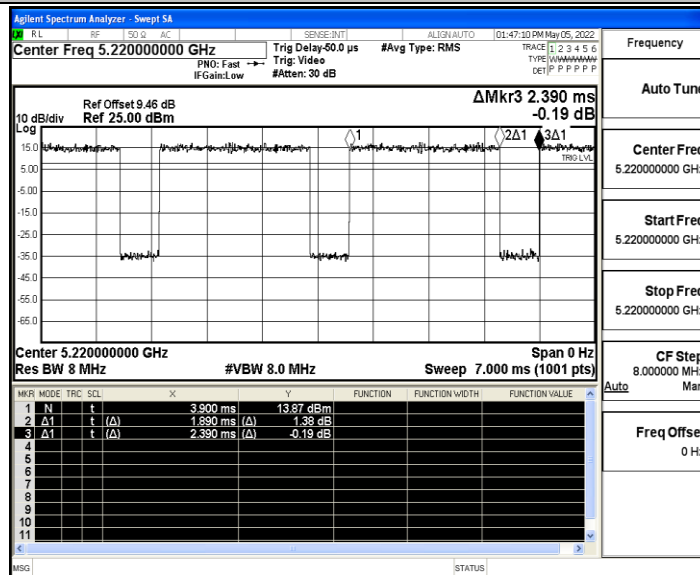
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11AC20SISO\_Ant\_5220



11AC20SISO\_Ant\_5240

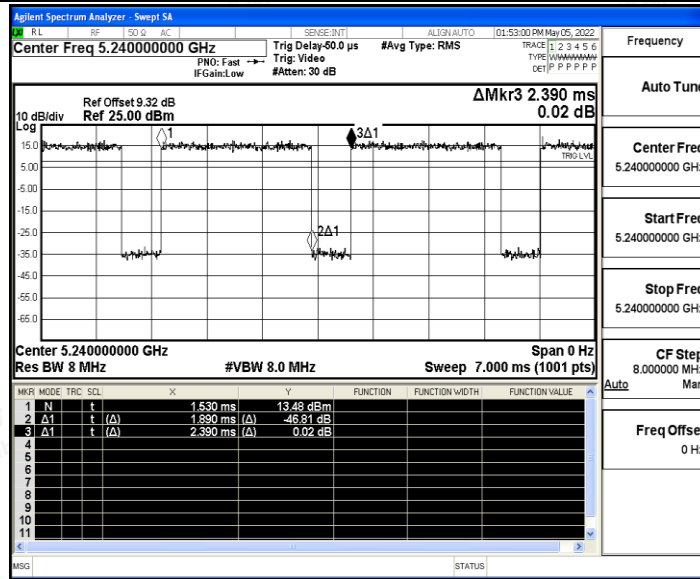


Shenzhen LCS Compliance Testing Laboratory Ltd.

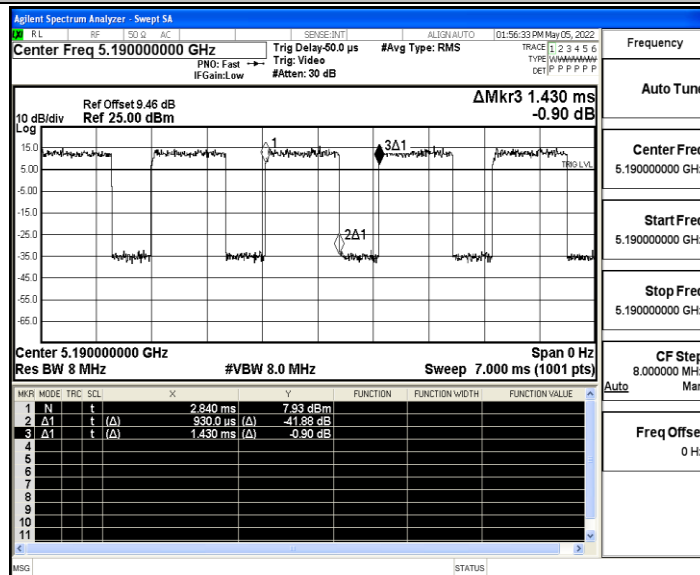
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11AC40SISO\_Ant\_5190



11AC40SISO\_Ant\_5230



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