



## Appendix E

### RF Test Data for 5.8G WIFI (Conducted Measurement)

**Product Name: AMD R1305G Player**

**Test Model: SMPA-R1305G**

#### Environmental Conditions

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



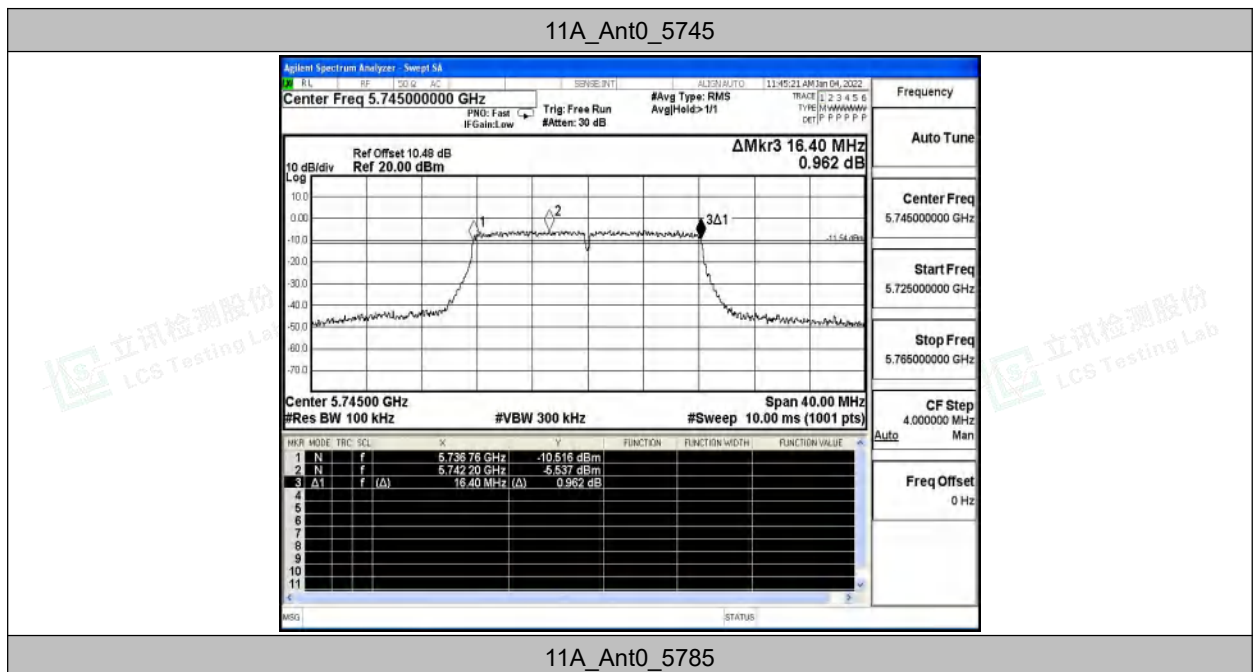


## E.1 6dB bandwidth

### Test Result

| TestMode   | Antenna | Channel | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------|---------------|----------|----------|------------|---------|
| 11A        | Ant0    | 5745    | 16.400        | 5736.760 | 5753.160 | 0.5        | PASS    |
|            |         | 5785    | 16.400        | 5776.760 | 5793.160 | 0.5        | PASS    |
|            |         | 5825    | 16.440        | 5816.760 | 5833.200 | 0.5        | PASS    |
| 11N20SISO  | Ant0    | 5745    | 17.600        | 5736.160 | 5753.760 | 0.5        | PASS    |
|            |         | 5785    | 17.600        | 5776.160 | 5793.760 | 0.5        | PASS    |
|            |         | 5825    | 17.600        | 5816.160 | 5833.760 | 0.5        | PASS    |
| 11N40SISO  | Ant0    | 5755    | 36.400        | 5736.760 | 5773.160 | 0.5        | PASS    |
|            |         | 5795    | 36.400        | 5776.760 | 5813.160 | 0.5        | PASS    |
| 11AC20SISO | Ant0    | 5745    | 17.640        | 5736.160 | 5753.800 | 0.5        | PASS    |
|            |         | 5785    | 17.600        | 5776.160 | 5793.760 | 0.5        | PASS    |
|            |         | 5825    | 17.600        | 5816.160 | 5833.760 | 0.5        | PASS    |
| 11AC40SISO | Ant0    | 5755    | 36.400        | 5736.760 | 5773.160 | 0.5        | PASS    |
|            |         | 5795    | 36.400        | 5776.760 | 5813.160 | 0.5        | PASS    |
| 11AC80SISO | Ant0    | 5775    | 74.400        | 5737.080 | 5811.480 | 0.5        | PASS    |

### Test Graphs

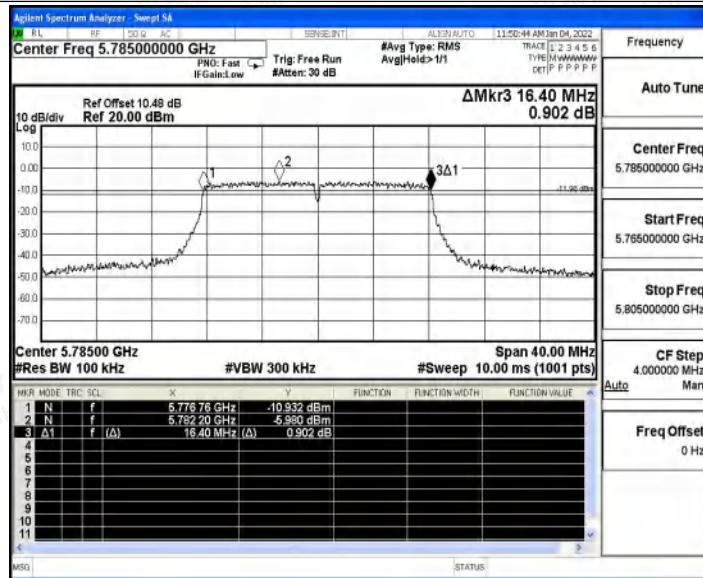


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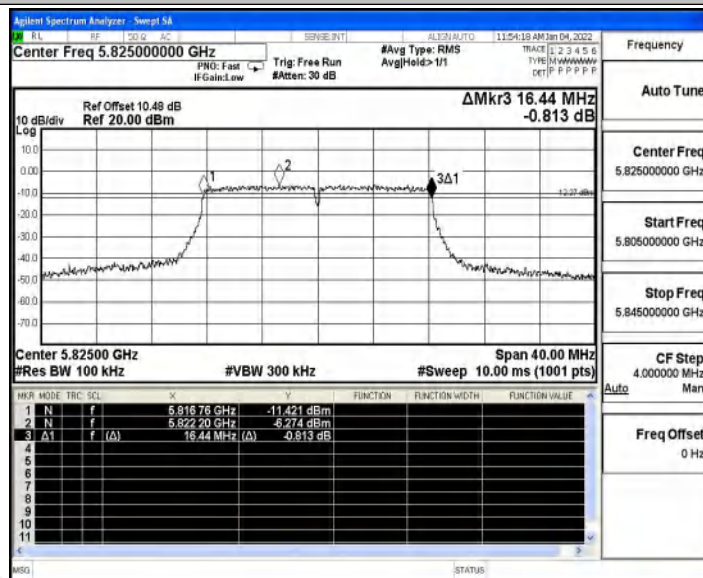
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11A\_Ant0\_5825



11N20SISO\_Ant0\_5745

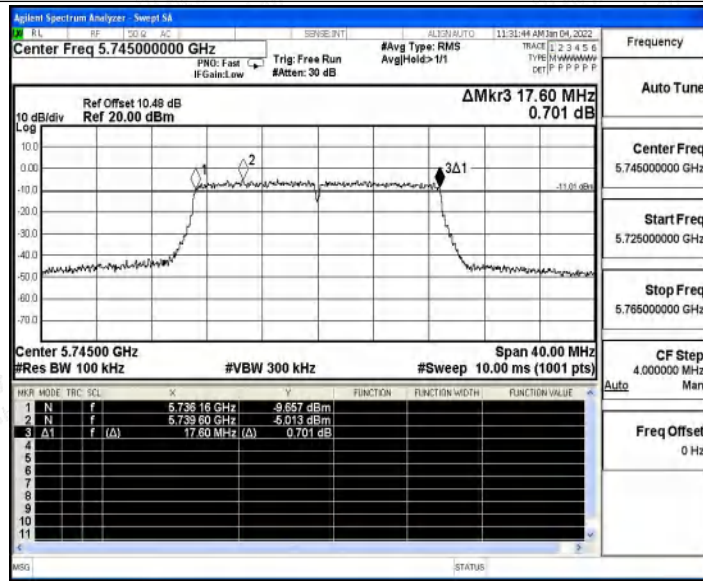


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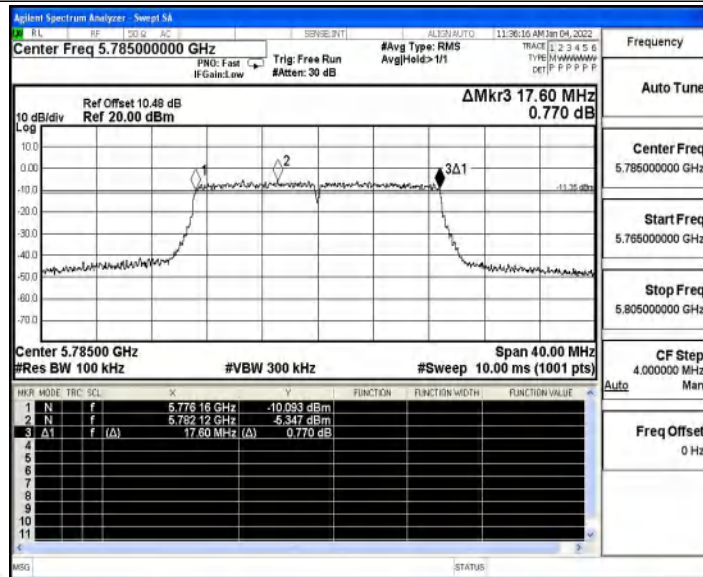
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11N20SISO\_Ant0\_5785



11N20SISO\_Ant0\_5825

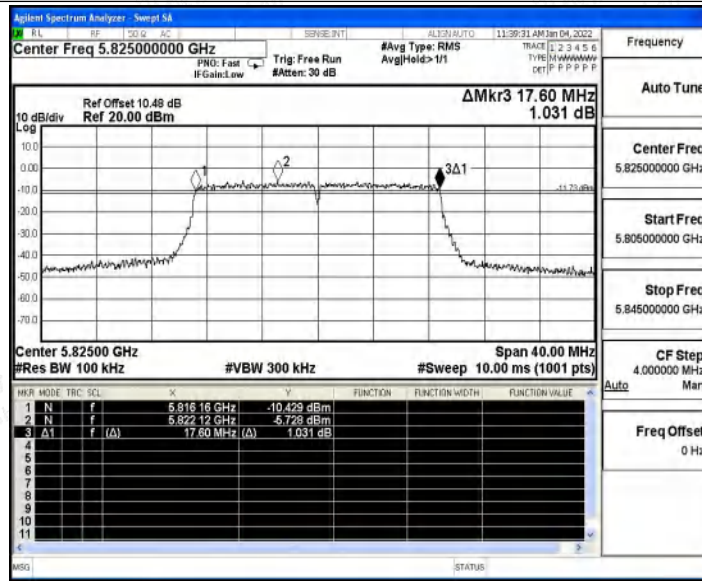


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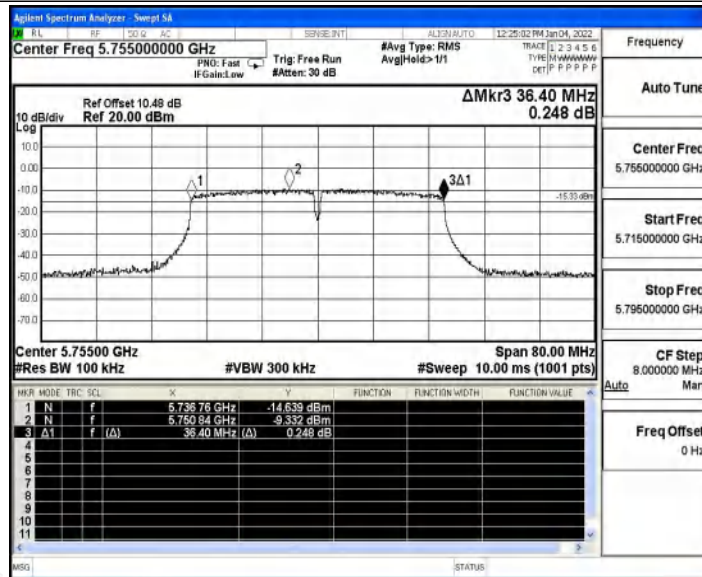
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11N40SISO\_Ant0\_5755



11N40SISO\_Ant0\_5795



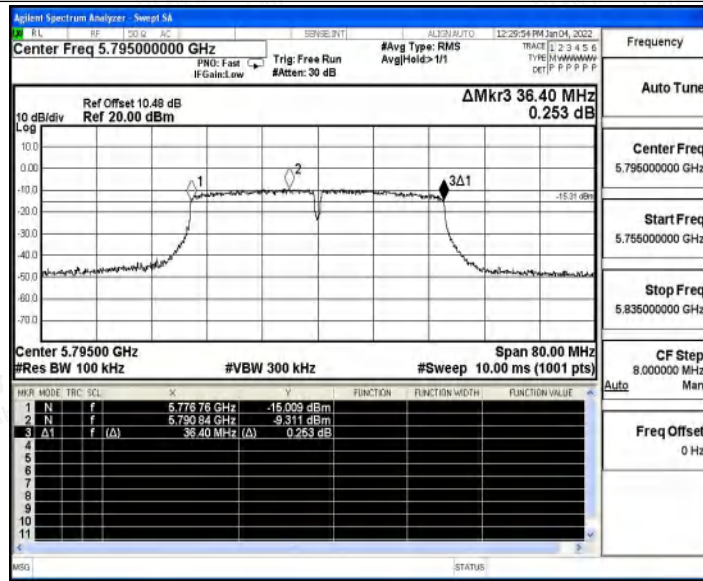
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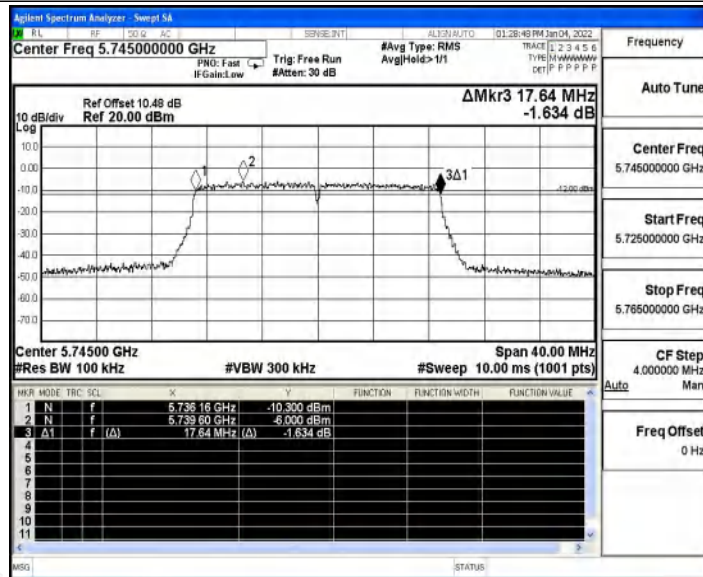
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11AC20SISO\_Ant0\_5745



11AC20SISO\_Ant0\_5785

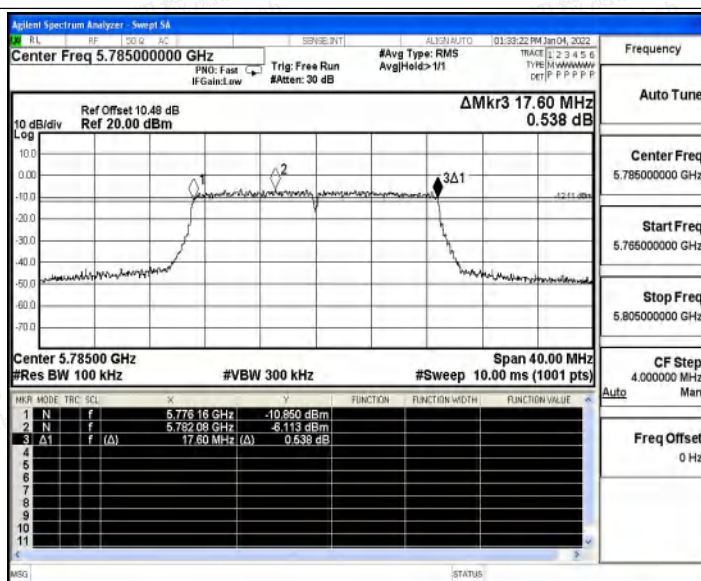


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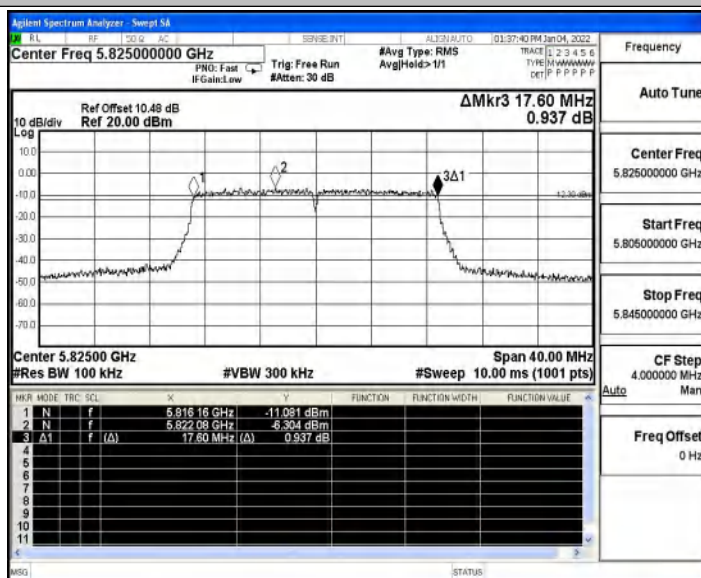
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11AC20SISO\_Ant0\_5825



11AC40SISO\_Ant0\_5755

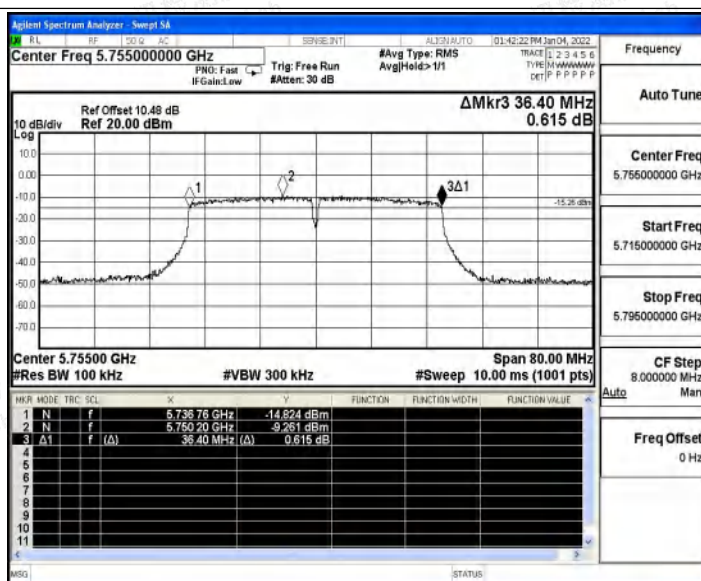


Shenzhen LCS Compliance Testing Laboratory Ltd.

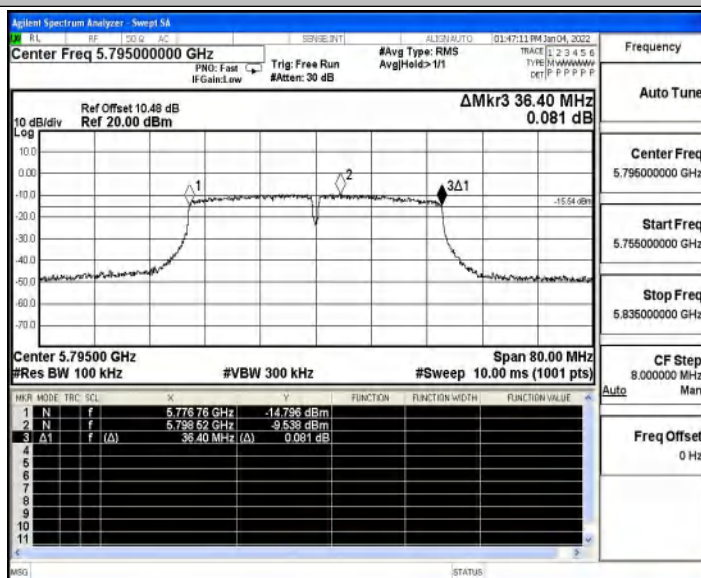
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11AC40SISO\_Ant0\_5795



11AC80SISO\_Ant0\_5775



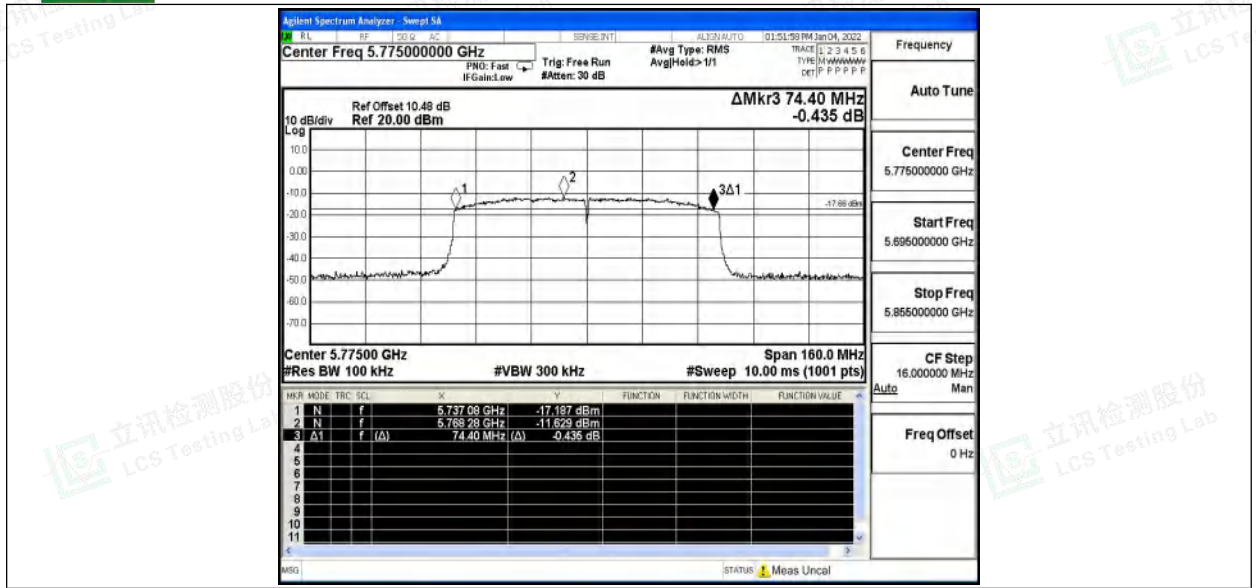
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| TestMode   | Antenna | Channel | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------|---------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745    | 16.440        | 5736.720 | 5753.160 | 0.5        | PASS    |
|            |         | 5785    | 16.440        | 5776.720 | 5793.160 | 0.5        | PASS    |
|            |         | 5825    | 16.440        | 5816.760 | 5833.200 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745    | 17.600        | 5736.160 | 5753.760 | 0.5        | PASS    |
|            |         | 5785    | 17.600        | 5776.160 | 5793.760 | 0.5        | PASS    |
|            |         | 5825    | 17.600        | 5816.160 | 5833.760 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755    | 36.400        | 5736.760 | 5773.160 | 0.5        | PASS    |
|            |         | 5795    | 36.400        | 5776.760 | 5813.160 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745    | 17.600        | 5736.160 | 5753.760 | 0.5        | PASS    |
|            |         | 5785    | 17.600        | 5776.160 | 5793.760 | 0.5        | PASS    |
|            |         | 5825    | 17.600        | 5816.160 | 5833.760 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755    | 36.400        | 5736.760 | 5773.160 | 0.5        | PASS    |
|            |         | 5795    | 36.400        | 5776.760 | 5813.160 | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5775    | 73.920        | 5736.760 | 5810.680 | 0.5        | PASS    |



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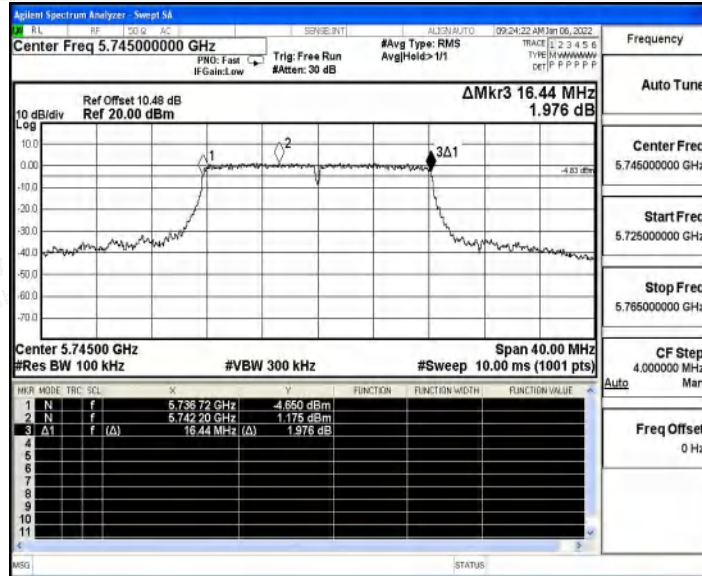
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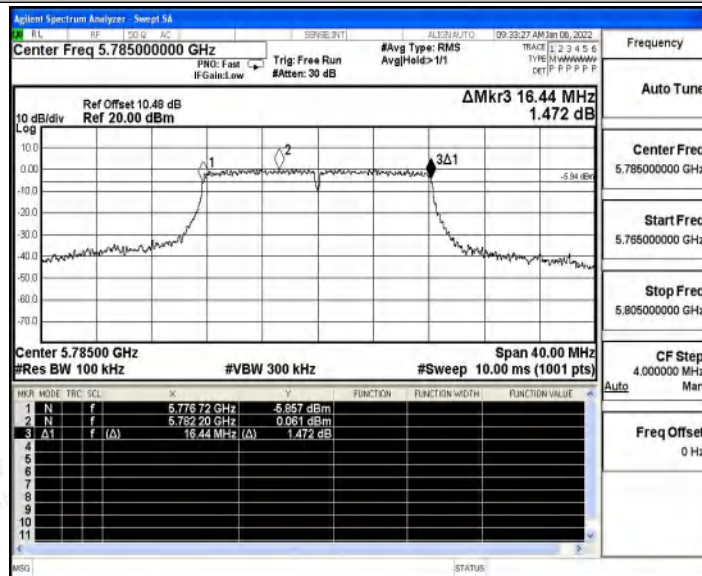


## Test Graphs

11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825

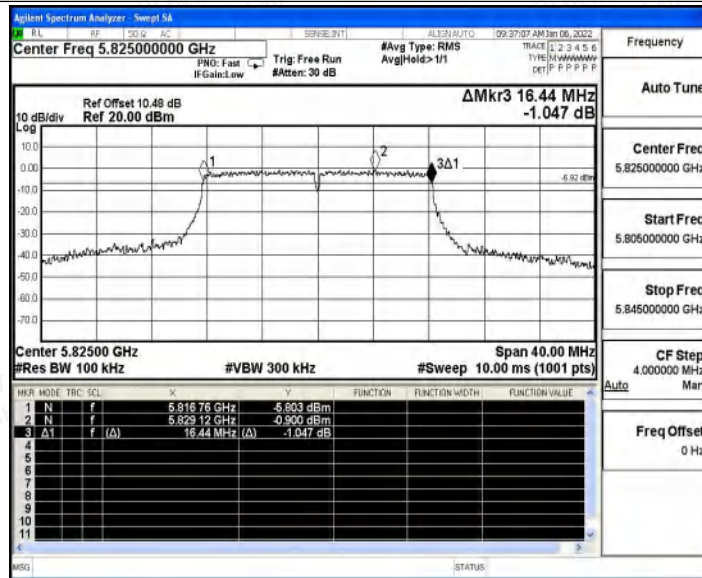


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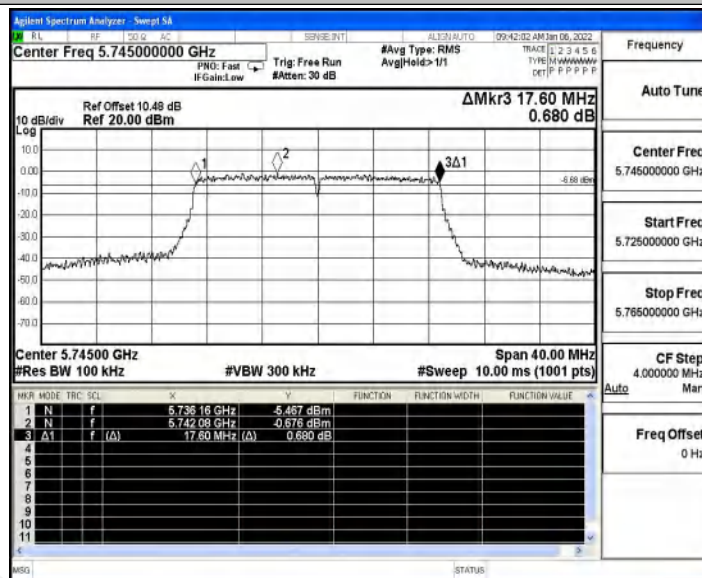
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11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785

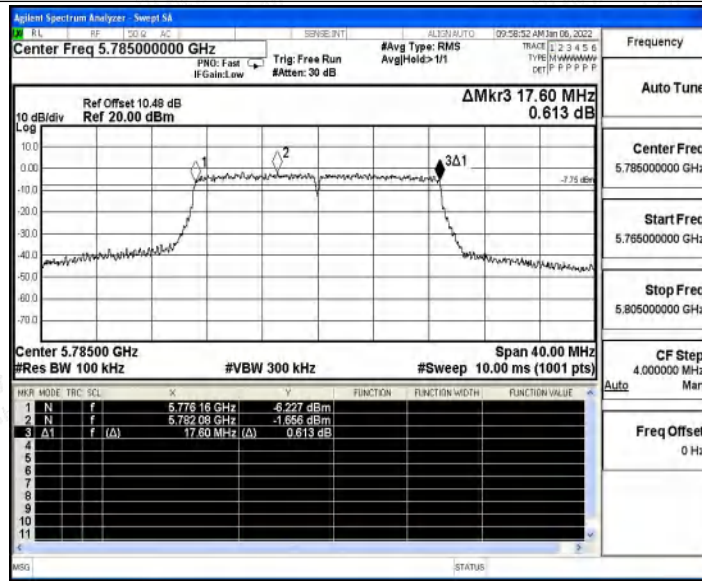


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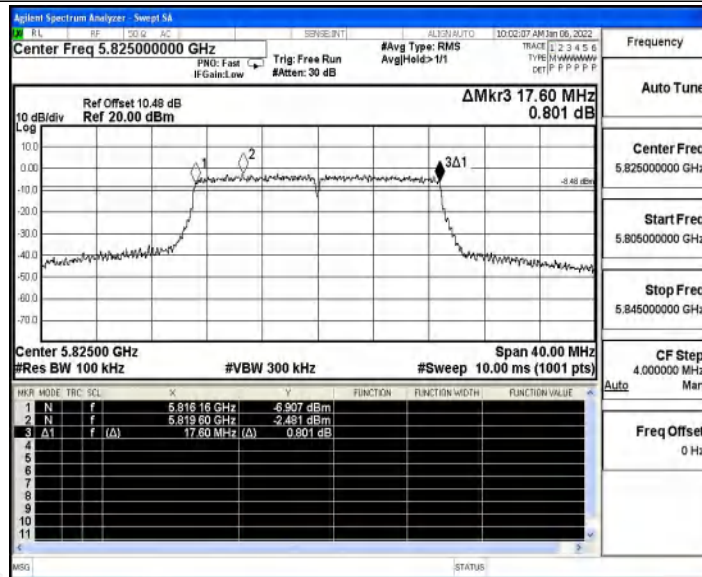
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11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



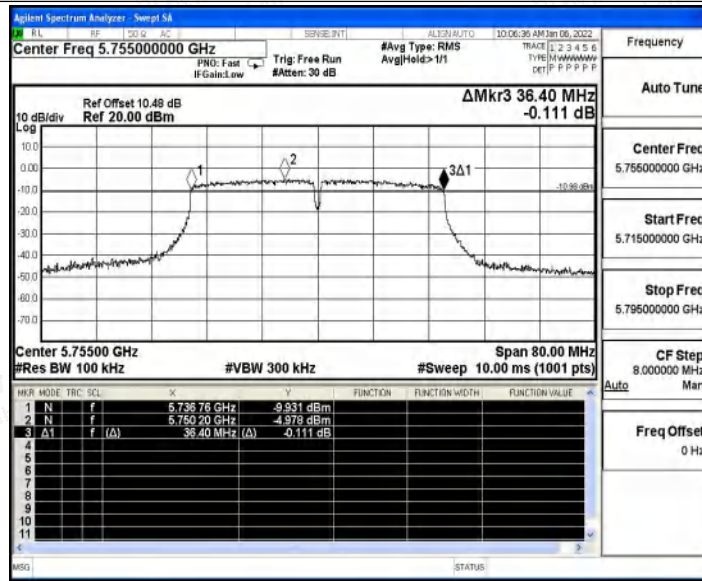
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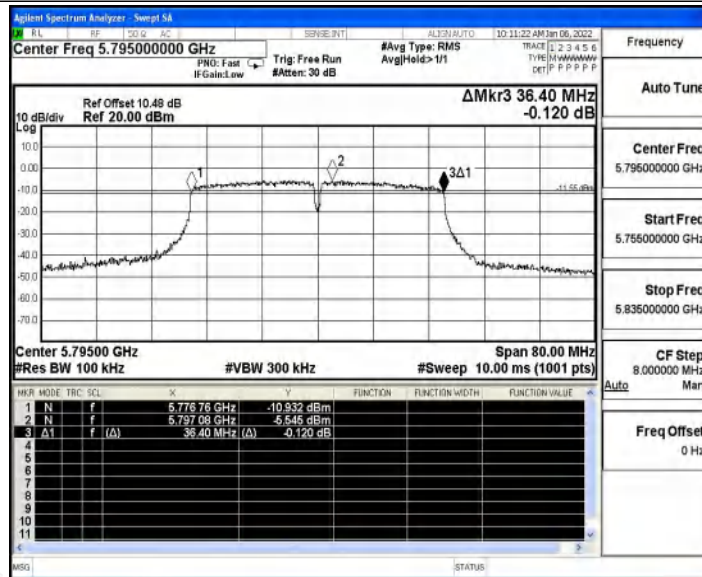
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11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



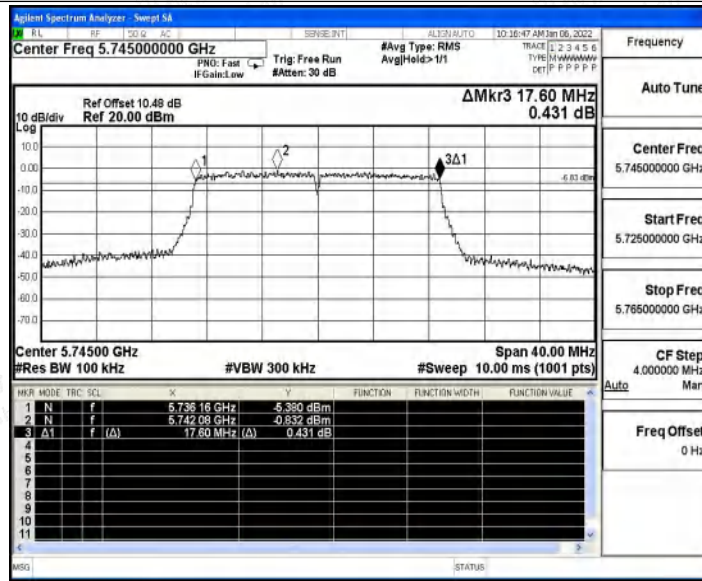
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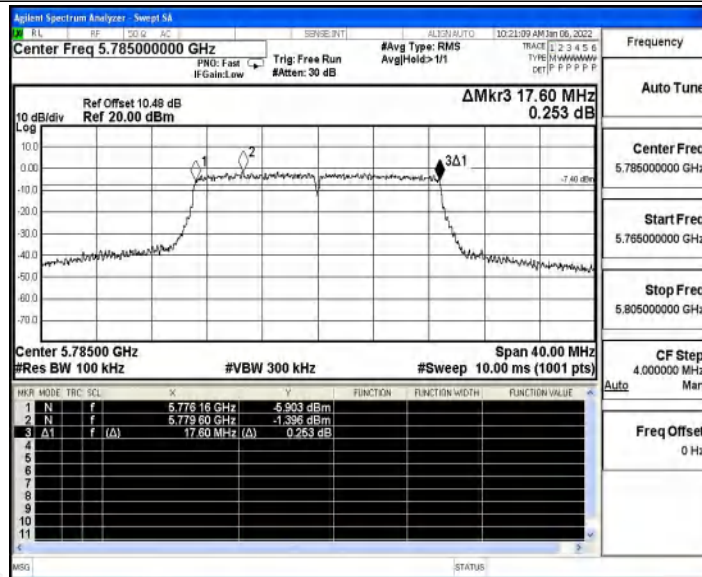
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11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825

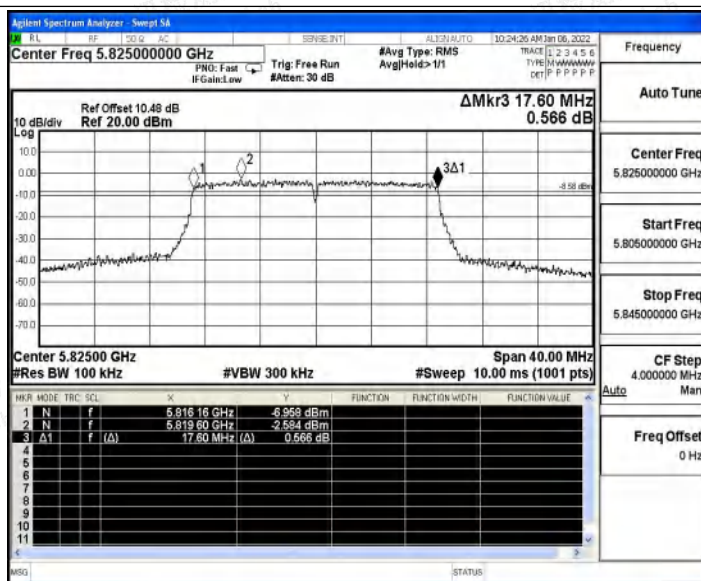


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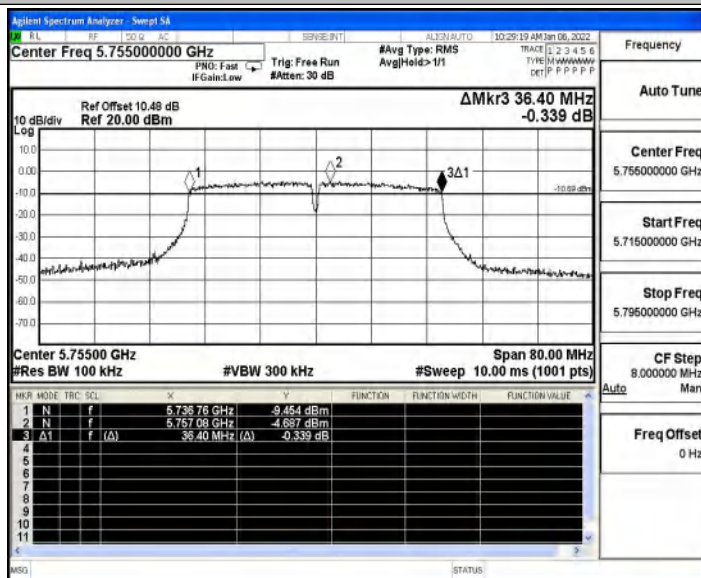
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11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795

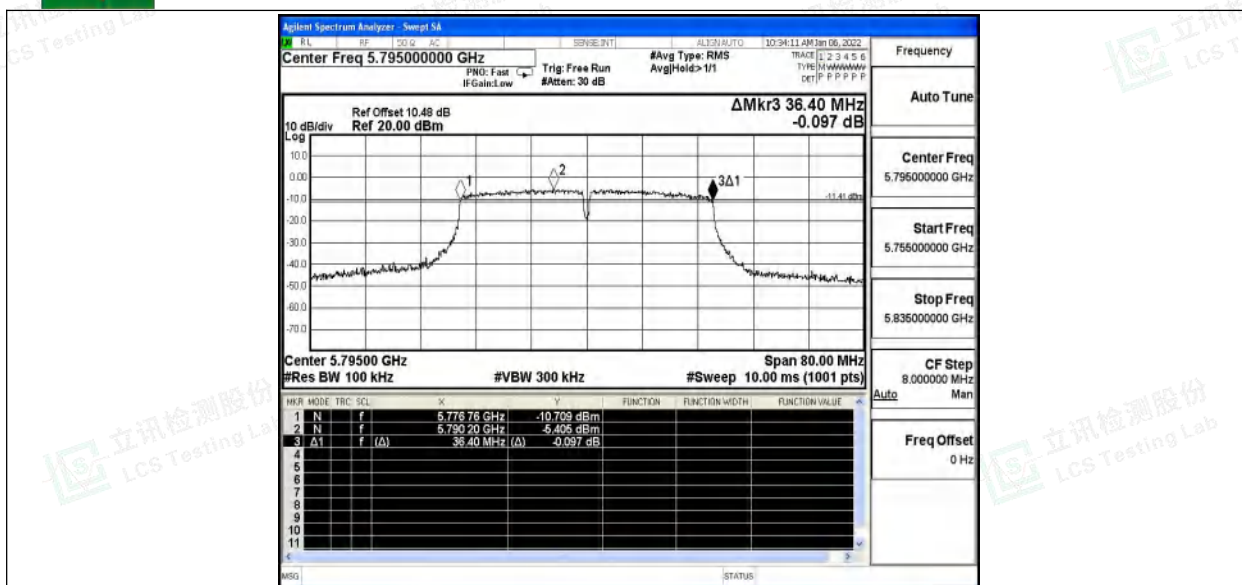


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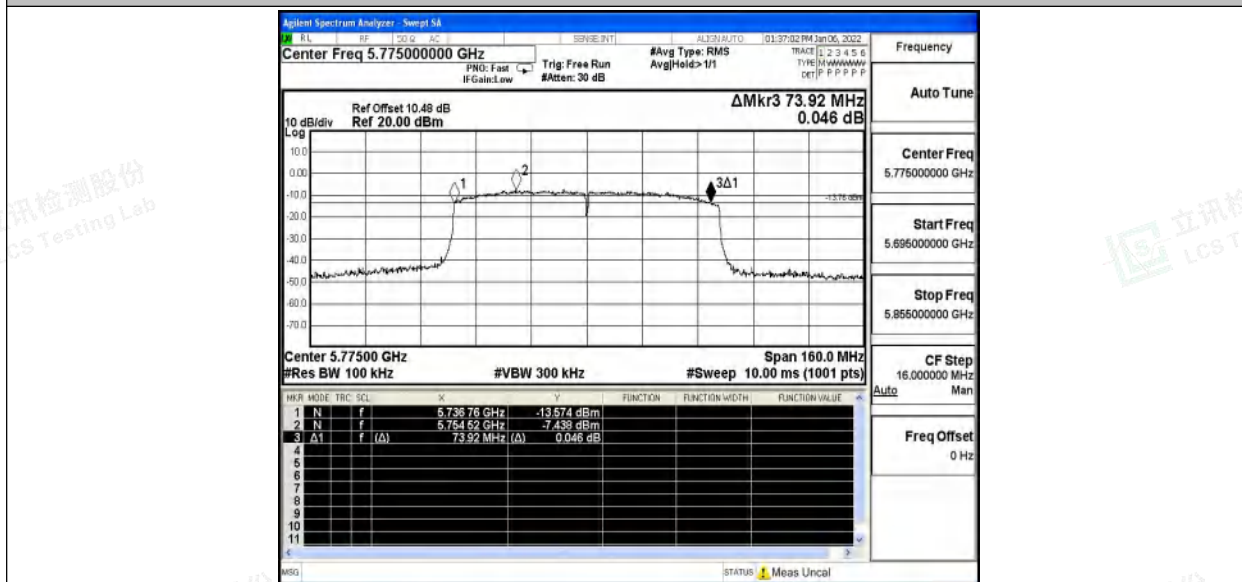
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11AC80SISO\_Ant1\_5775



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## E.2 Maximum conducted output power

### Test Result

| TestMode   | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|---------|-------------|------------|---------|
| 11A        | Ant0    | 5745    | 15.36       | ≤30.00     | PASS    |
|            |         | 5785    | 14.53       | ≤30.00     | PASS    |
|            |         | 5825    | 13.69       | ≤30.00     | PASS    |
| 11N20SISO  | Ant0    | 5745    | 12.86       | ≤30.00     | PASS    |
|            |         | 5785    | 12.07       | ≤30.00     | PASS    |
|            |         | 5825    | 11.85       | ≤30.00     | PASS    |
| 11N40SISO  | Ant0    | 5755    | 12.52       | ≤30.00     | PASS    |
|            |         | 5795    | 11.72       | ≤30.00     | PASS    |
| 11AC20SISO | Ant0    | 5745    | 13.19       | ≤30.00     | PASS    |
|            |         | 5785    | 12.35       | ≤30.00     | PASS    |
|            |         | 5825    | 11.74       | ≤30.00     | PASS    |
| 11AC40SISO | Ant0    | 5755    | 12.67       | ≤30.00     | PASS    |
|            |         | 5795    | 12.02       | ≤30.00     | PASS    |
| 11AC80SISO | Ant0    | 5775    | 11.98       | ≤30.00     | PASS    |

| TestMode   | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|---------|-------------|------------|---------|
| 11A        | Ant1    | 5745    | 15.45       | ≤30.00     | PASS    |
|            |         | 5785    | 14.55       | ≤30.00     | PASS    |
|            |         | 5825    | 13.63       | ≤30.00     | PASS    |
| 11N20SISO  | Ant1    | 5745    | 12.90       | ≤30.00     | PASS    |
|            |         | 5785    | 12.17       | ≤30.00     | PASS    |
|            |         | 5825    | 11.46       | ≤30.00     | PASS    |
| 11N40SISO  | Ant1    | 5755    | 12.19       | ≤30.00     | PASS    |
|            |         | 5795    | 11.50       | ≤30.00     | PASS    |
| 11AC20SISO | Ant1    | 5745    | 12.74       | ≤30.00     | PASS    |
|            |         | 5785    | 12.35       | ≤30.00     | PASS    |
|            |         | 5825    | 11.38       | ≤30.00     | PASS    |
| 11AC40SISO | Ant1    | 5755    | 12.36       | ≤30.00     | PASS    |
|            |         | 5795    | 11.66       | ≤30.00     | PASS    |
| 11AC80SISO | Ant1    | 5775    | 11.66       | ≤30.00     | PASS    |



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## MIMO

| Test Mode | Channel | Frequency<br>(MHz) | Ant 0<br>AVG<br>Conducted<br>Power (dBm) | Ant 1<br>AVG<br>Conducted<br>Power (dBm) | MIMO<br>AVG<br>Conducted<br>Power (dBm) | Limit<br>(dBm) | Verdict |
|-----------|---------|--------------------|------------------------------------------|------------------------------------------|-----------------------------------------|----------------|---------|
| 11N20     | 149     | 5745               | 12.86                                    | 12.90                                    | 15.89                                   | ≤30            | Pass    |
|           | 157     | 5785               | 12.07                                    | 12.17                                    | 15.13                                   |                | Pass    |
|           | 165     | 5825               | 11.85                                    | 11.46                                    | 14.67                                   |                | Pass    |
| 11N40     | 151     | 5755               | 12.52                                    | 12.19                                    | 15.37                                   | ≤30            | Pass    |
|           | 159     | 5795               | 11.72                                    | 11.50                                    | 14.62                                   |                | Pass    |
| 11AC20    | 149     | 5745               | 13.19                                    | 12.74                                    | 15.98                                   | ≤30            | Pass    |
|           | 157     | 5785               | 12.35                                    | 12.35                                    | 15.36                                   |                | Pass    |
|           | 165     | 5825               | 11.74                                    | 11.38                                    | 14.57                                   |                | Pass    |
| 11AC40    | 151     | 5755               | 12.67                                    | 12.36                                    | 15.53                                   | ≤30            | Pass    |
|           | 159     | 5795               | 12.02                                    | 11.66                                    | 14.85                                   |                | Pass    |
| 11AC80    | 155     | 5775               | 11.98                                    | 11.66                                    | 14.83                                   | ≤30            | Pass    |

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



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## E.3 Maximum power spectral density

### Test Result

| TestMode   | Antenna | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|---------|------------------|----------------|---------|
| 11A        | Ant0    | 5745    | 0.62             | ≤30.00         | PASS    |
|            |         | 5785    | 0.05             | ≤30.00         | PASS    |
|            |         | 5825    | -0.86            | ≤30.00         | PASS    |
| 11N20SISO  | Ant0    | 5745    | -1.73            | ≤30.00         | PASS    |
|            |         | 5785    | -2.38            | ≤30.00         | PASS    |
|            |         | 5825    | -3.3             | ≤30.00         | PASS    |
| 11N40SISO  | Ant0    | 5755    | -5.08            | ≤30.00         | PASS    |
|            |         | 5795    | -5.74            | ≤30.00         | PASS    |
| 11AC20SISO | Ant0    | 5745    | -1.72            | ≤30.00         | PASS    |
|            |         | 5785    | -2.41            | ≤30.00         | PASS    |
|            |         | 5825    | -3.42            | ≤30.00         | PASS    |
| 11AC40SISO | Ant0    | 5755    | -5.02            | ≤30.00         | PASS    |
|            |         | 5795    | -5.49            | ≤30.00         | PASS    |
| 11AC80SISO | Ant0    | 5775    | -8.74            | ≤30.00         | PASS    |

| TestMode   | Antenna | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|---------|------------------|----------------|---------|
| 11A        | Ant1    | 5745    | 0.95             | ≤30.00         | PASS    |
|            |         | 5785    | 0.15             | ≤30.00         | PASS    |
|            |         | 5825    | -0.66            | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5745    | -1.57            | ≤30.00         | PASS    |
|            |         | 5785    | -2.28            | ≤30.00         | PASS    |
|            |         | 5825    | -3.22            | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5755    | -4.94            | ≤30.00         | PASS    |
|            |         | 5795    | -5.81            | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5745    | -1.62            | ≤30.00         | PASS    |
|            |         | 5785    | -2.27            | ≤30.00         | PASS    |
|            |         | 5825    | -2.99            | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5755    | -4.87            | ≤30.00         | PASS    |
|            |         | 5795    | -5.3             | ≤30.00         | PASS    |
| 11AC80SISO | Ant1    | 5775    | -8.49            | ≤30.00         | PASS    |



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MIMO

| Test Mode | Channel | Frequency (MHz) | Ant 0 Power Density (dBm/500KHz) | Ant 1 Power Density (dBm/500KHz) | MIMO Power Density (dBm/500KHz) | Report Power Density (dBm/500KHz) | Verdict |
|-----------|---------|-----------------|----------------------------------|----------------------------------|---------------------------------|-----------------------------------|---------|
| 11N20     | 149     | 5745            | -1.73                            | -1.57                            | 1.36                            | ≤30                               | Pass    |
|           | 157     | 5785            | -2.38                            | -2.28                            | 0.68                            |                                   | Pass    |
|           | 165     | 5825            | -3.3                             | -3.22                            | -0.25                           |                                   | Pass    |
| 11N40     | 151     | 5755            | -5.08                            | -4.94                            | -2.00                           | ≤30                               | Pass    |
|           | 159     | 5795            | -5.74                            | -5.81                            | -2.76                           |                                   | Pass    |
| 11AC20    | 149     | 5745            | -1.72                            | -1.62                            | 1.34                            | ≤30                               | Pass    |
|           | 157     | 5785            | -2.41                            | -2.27                            | 0.67                            |                                   | Pass    |
|           | 165     | 5825            | -3.42                            | -2.99                            | -0.19                           |                                   | Pass    |
| 11AC40    | 151     | 5755            | -5.02                            | -4.87                            | -1.93                           | ≤30                               | Pass    |
|           | 159     | 5795            | -5.49                            | -5.3                             | -2.38                           |                                   | Pass    |
| 11AC80    | 155     | 5775            | -8.74                            | -8.49                            | -5.60                           | ≤30                               | Pass    |

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

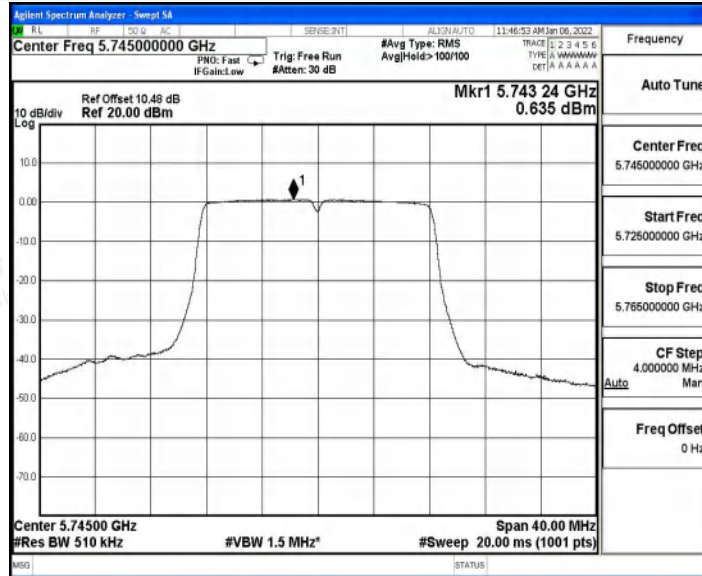


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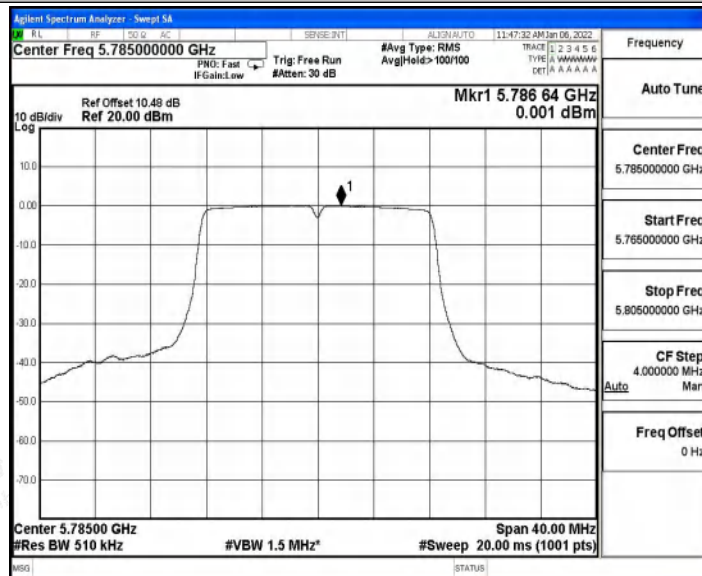


## Test Graphs

11A\_Ant0\_5745



11A\_Ant0\_5785



11A\_Ant0\_5825



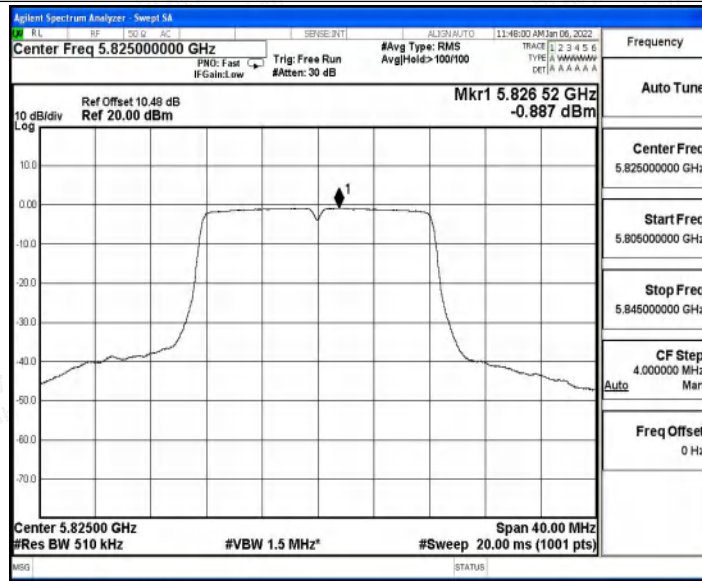
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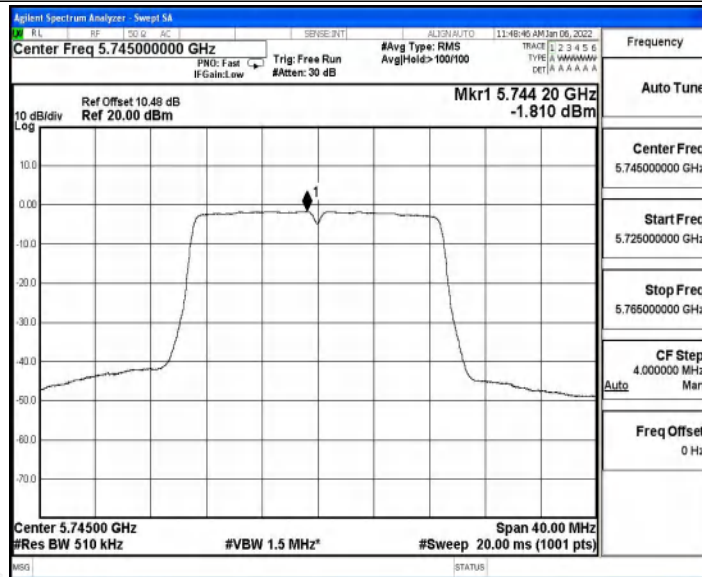
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11N20SISO\_Ant0\_5745



11N20SISO\_Ant0\_5785

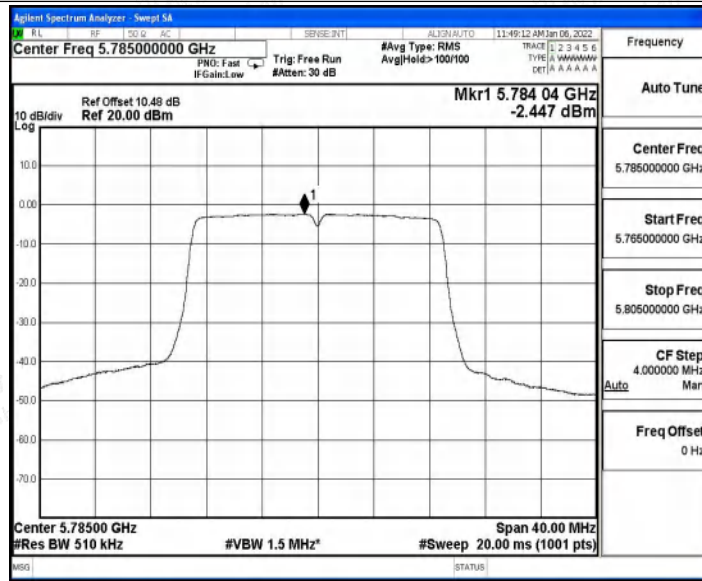


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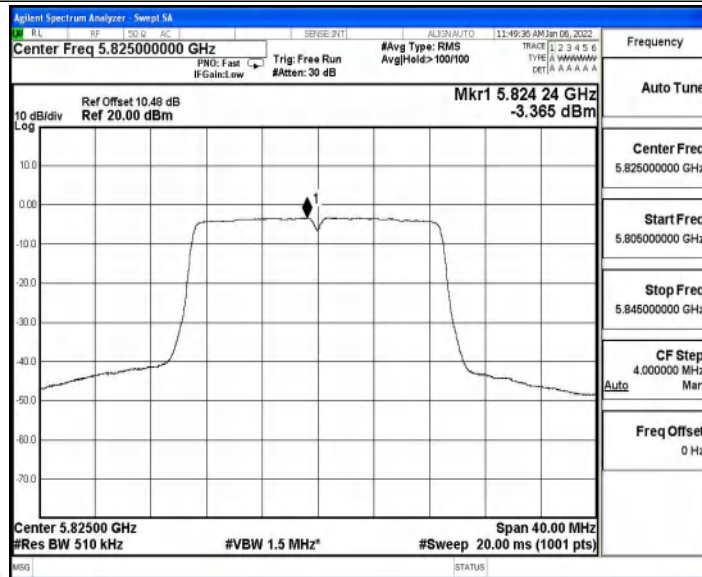
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11N20SISO\_Ant0\_5825



11N40SISO\_Ant0\_5755

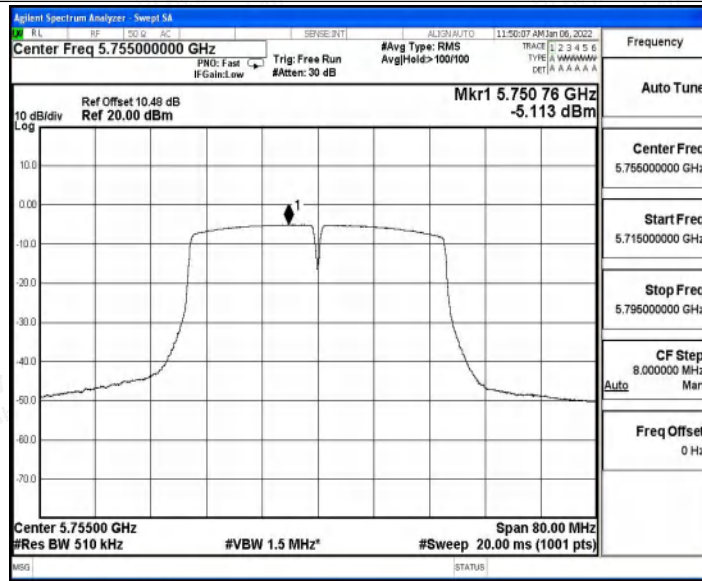


Shenzhen LCS Compliance Testing Laboratory Ltd.

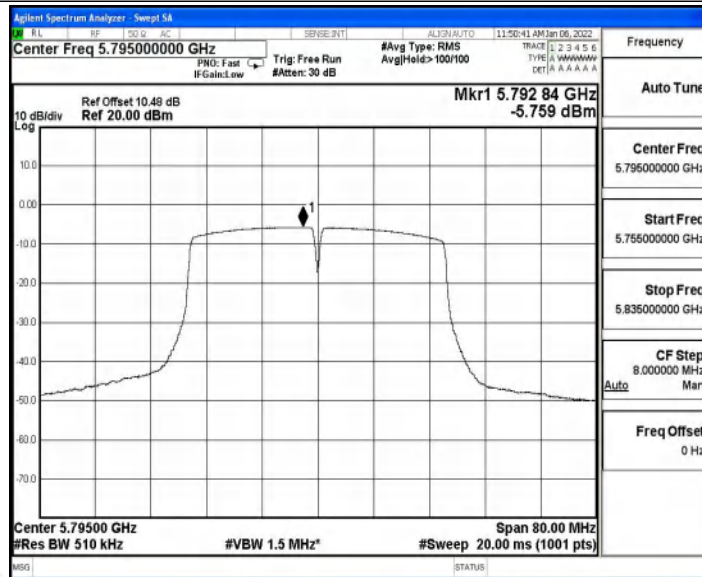
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11N40SISO\_Ant0\_5795



11AC20SISO\_Ant0\_5745

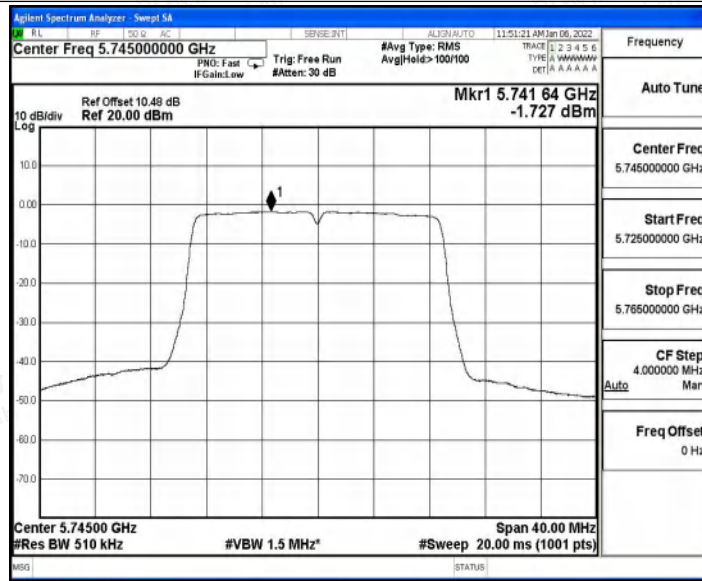


Shenzhen LCS Compliance Testing Laboratory Ltd.

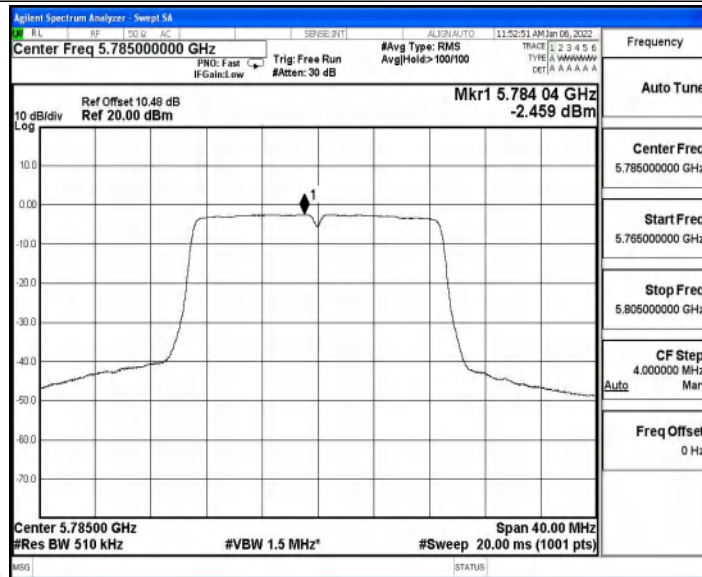
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11AC20SISO\_Ant0\_5785



11AC20SISO\_Ant0\_5825

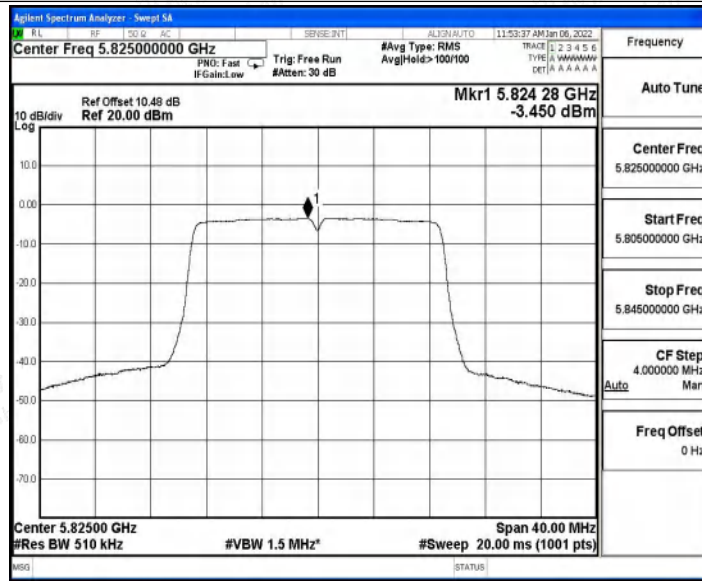


Shenzhen LCS Compliance Testing Laboratory Ltd.

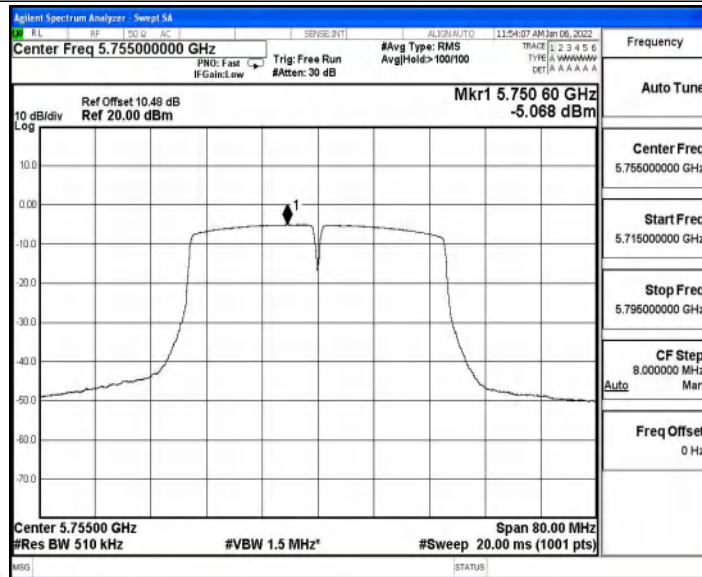
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11AC40SISO\_Ant0\_5755



11AC40SISO\_Ant0\_5795



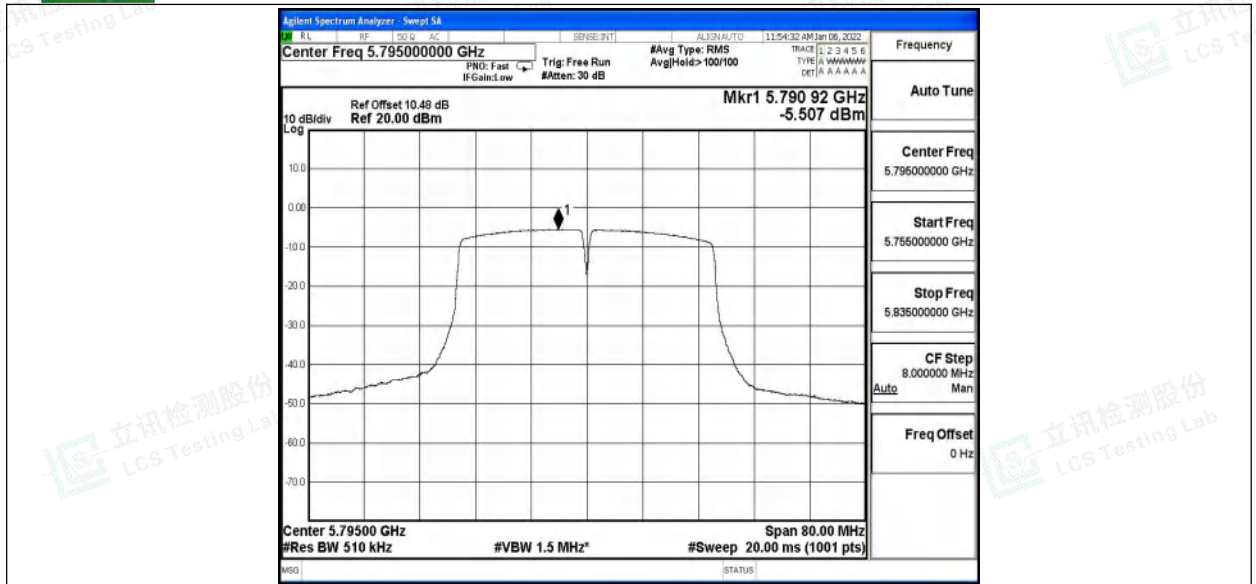
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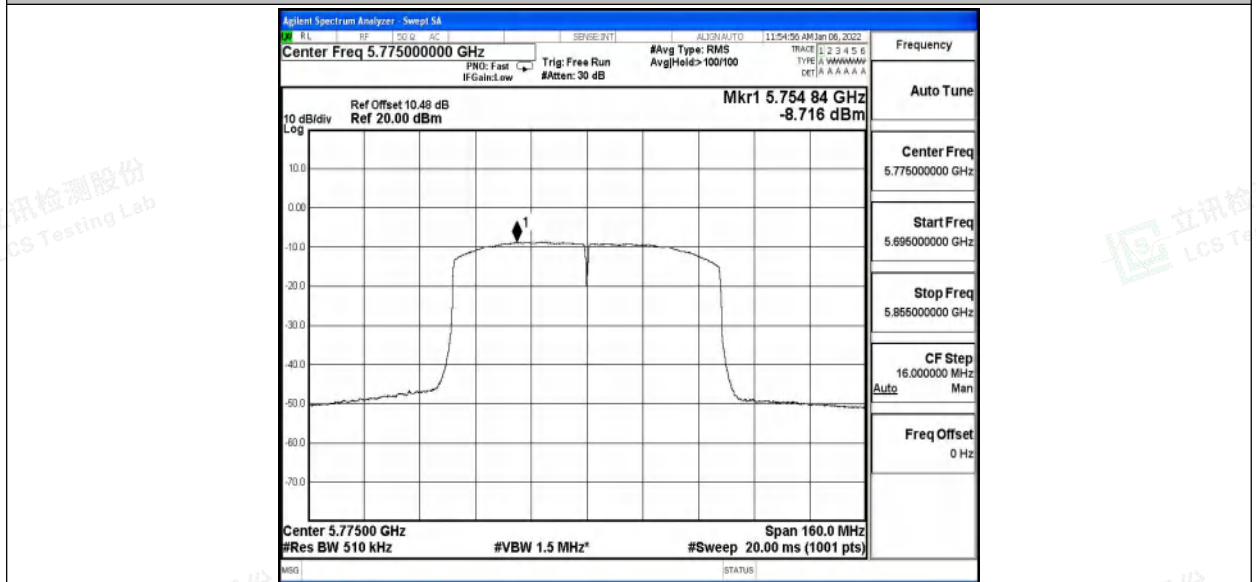
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11AC80SISO\_Ant0\_5775



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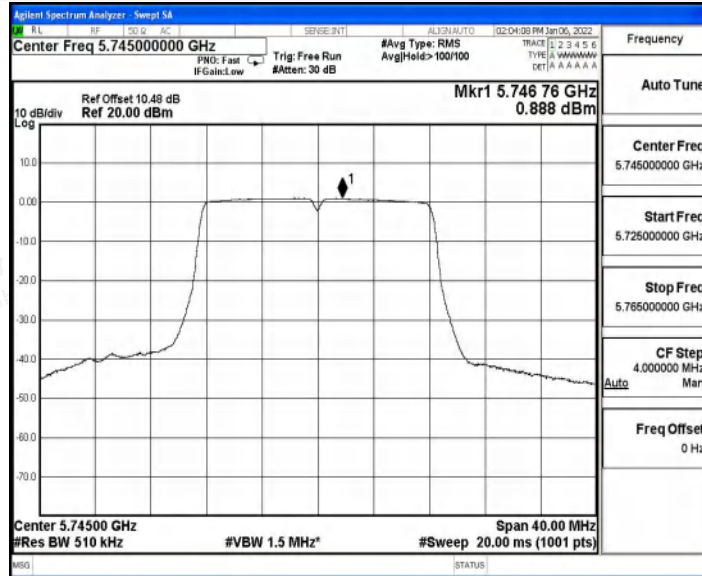
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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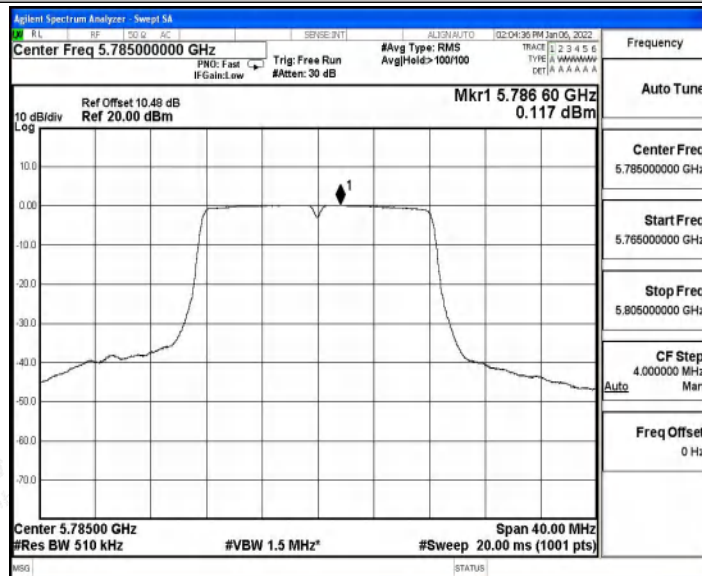


## Test Graphs

11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825

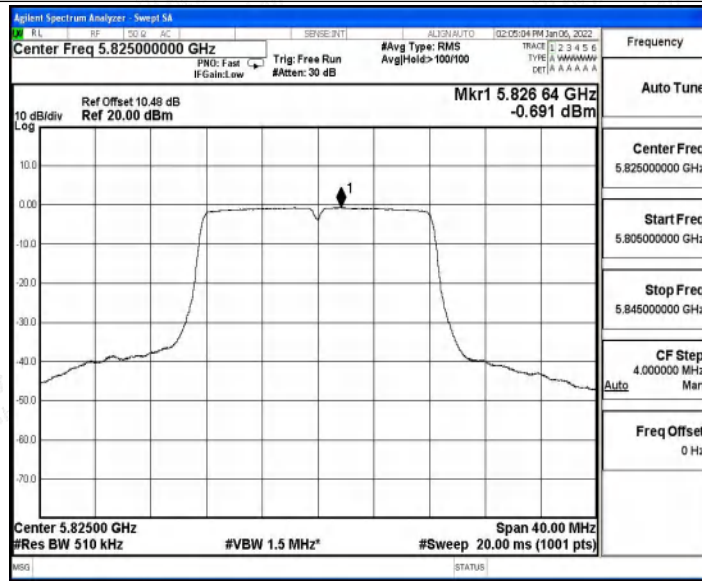


Shenzhen LCS Compliance Testing Laboratory Ltd.

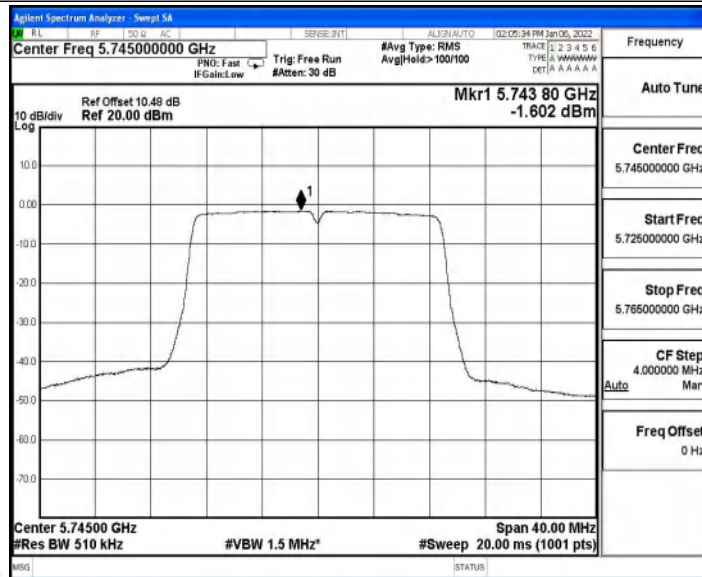
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11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785

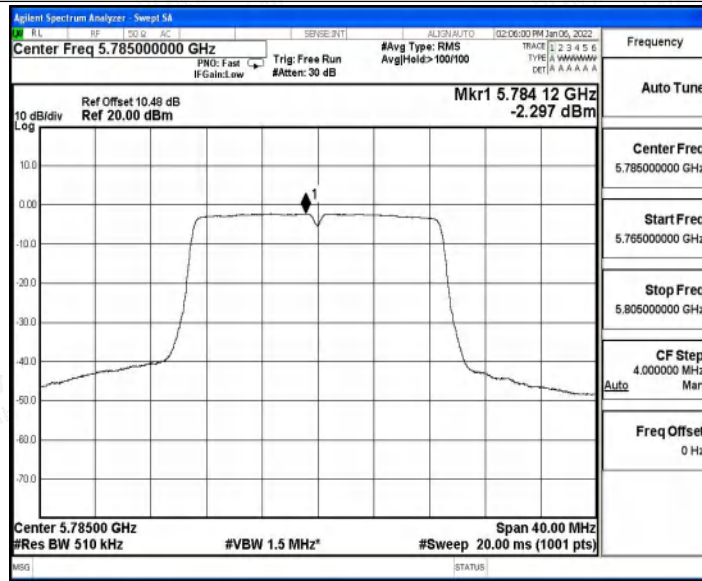


Shenzhen LCS Compliance Testing Laboratory Ltd.

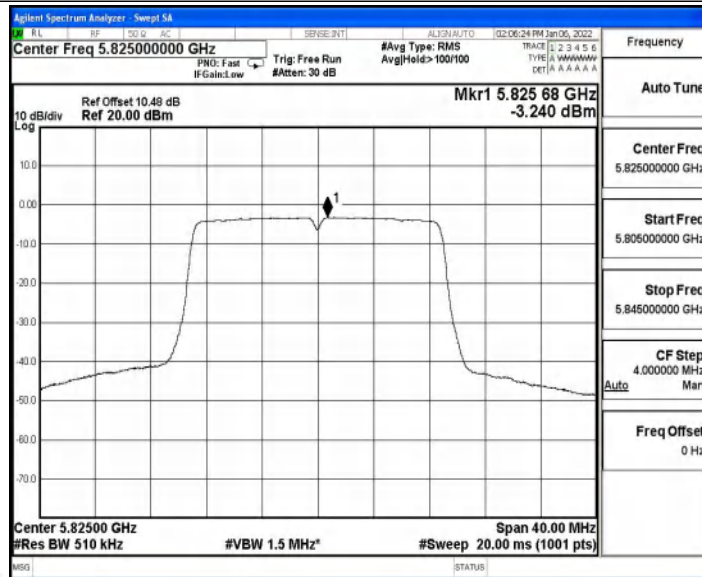
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11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755

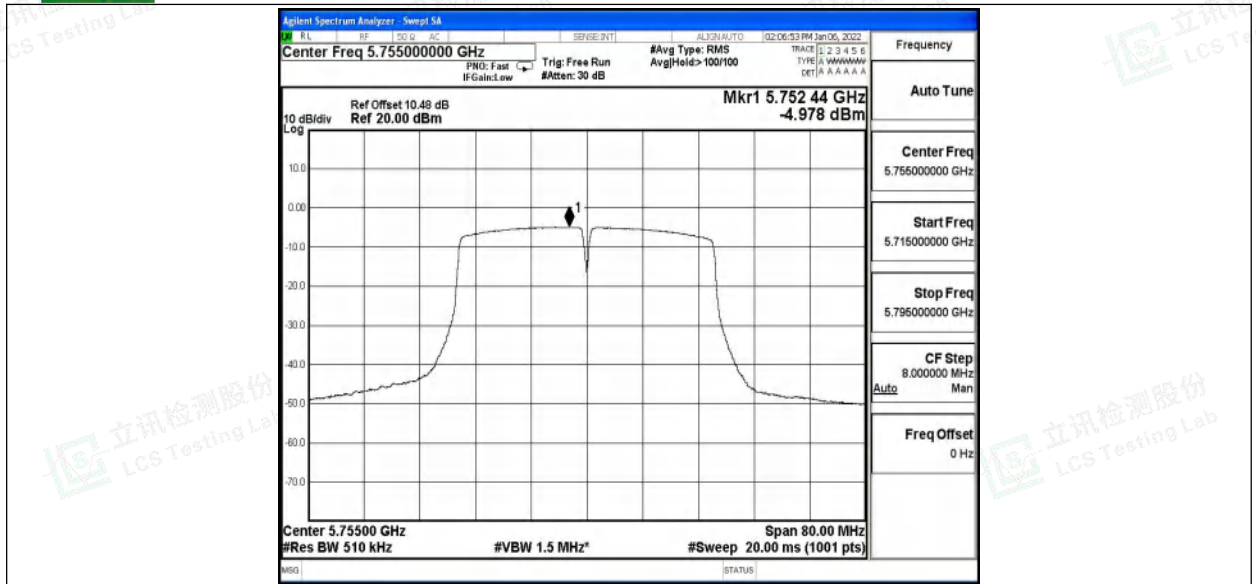


Shenzhen LCS Compliance Testing Laboratory Ltd.

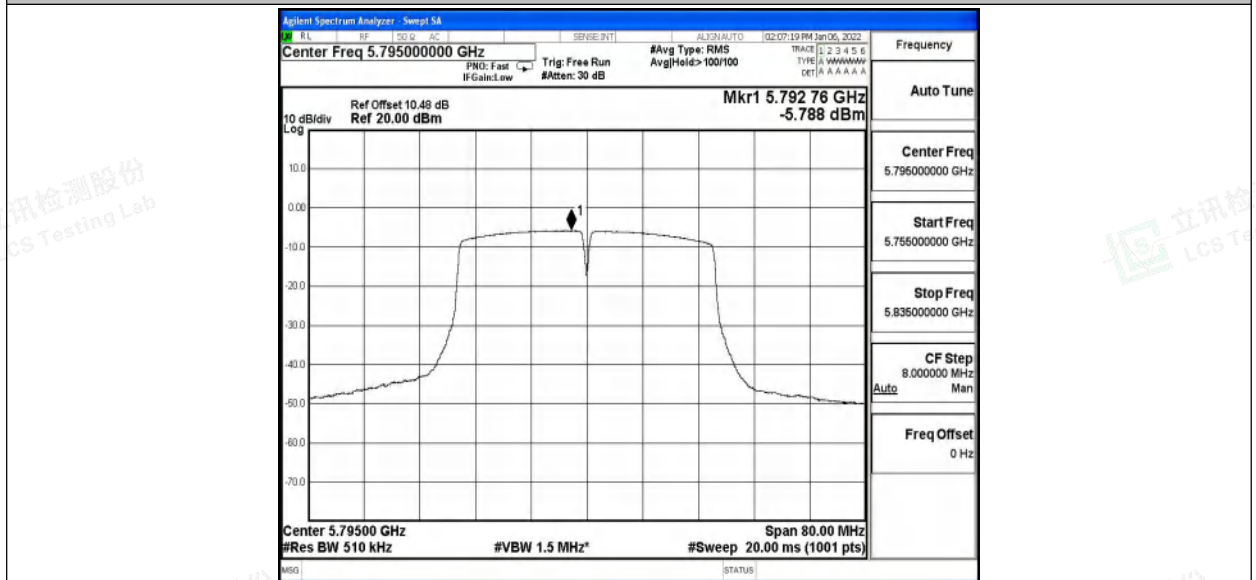
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11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



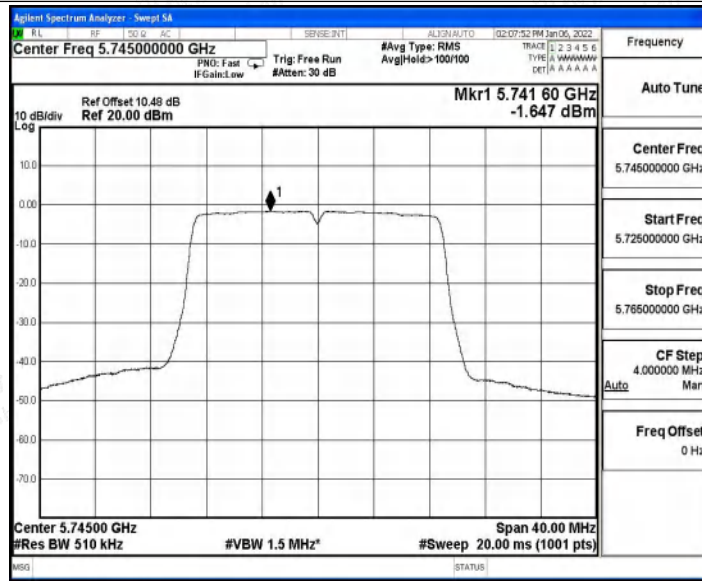
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

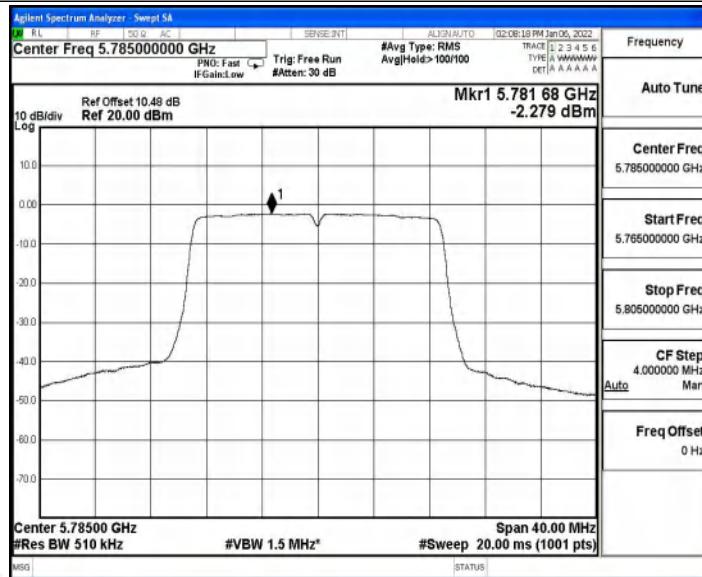
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11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825

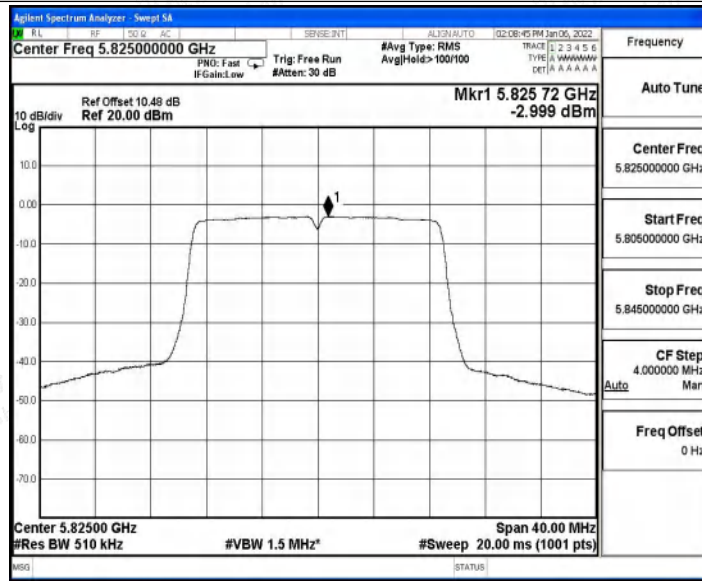


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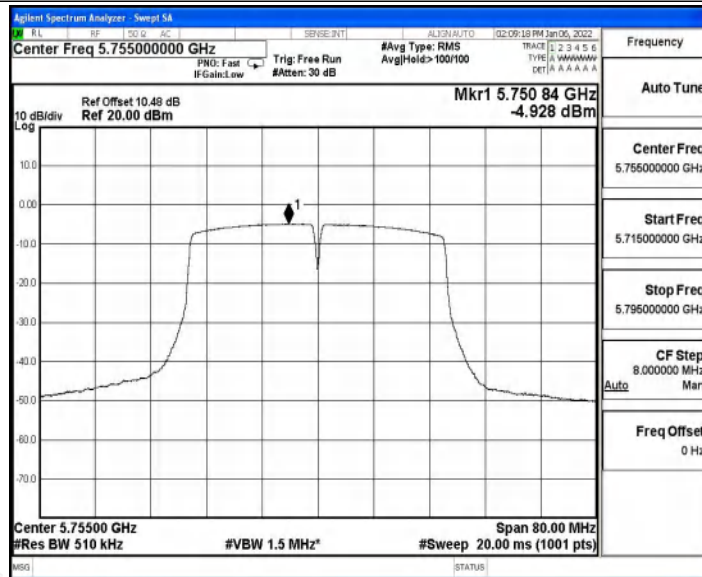
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11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795

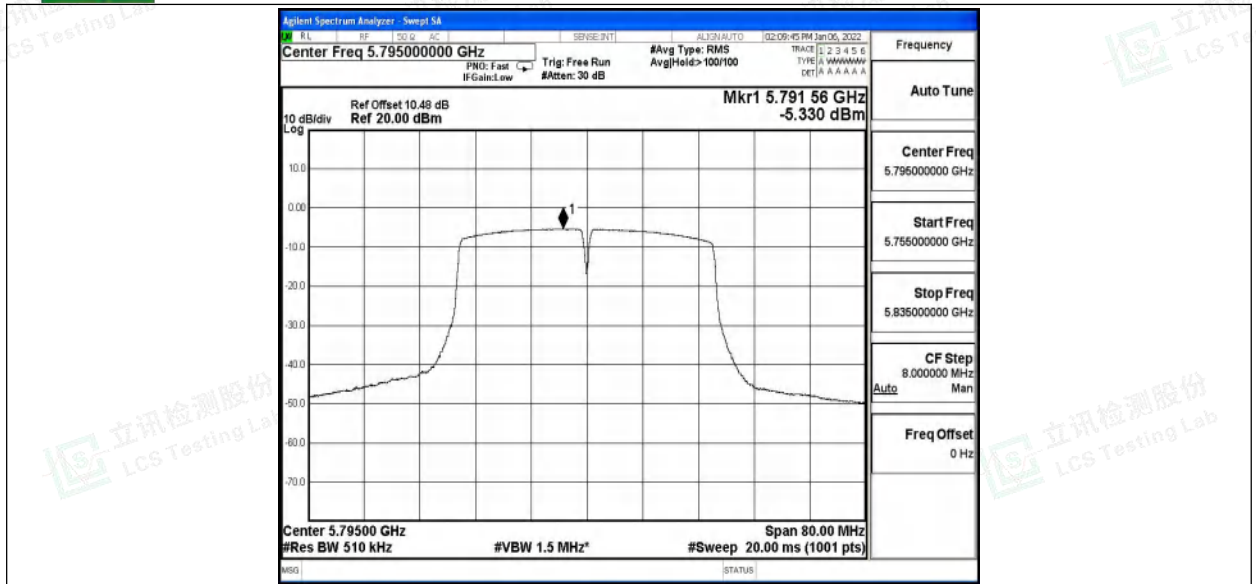


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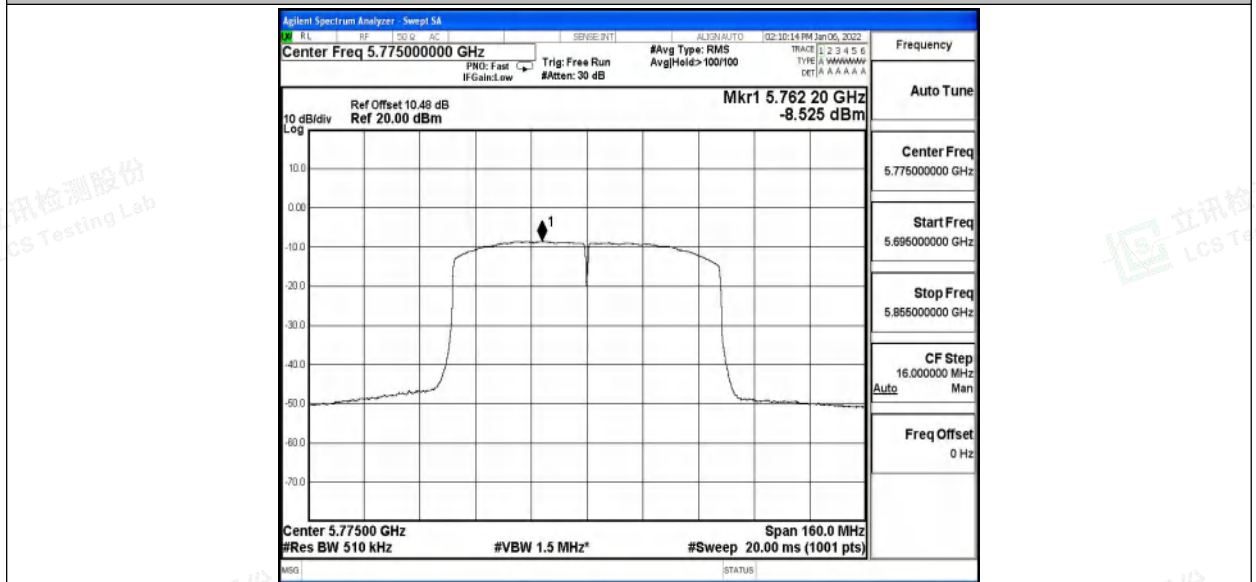
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11AC80SISO\_Ant1\_5775



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## E.4 Emissions in Restricted Bands

### Test Result

| TestMode   | Antenna | Channel | Detector | Freq.<br>[MHz] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|------------|---------|---------|----------|----------------|-----------------|----------------|---------|
| 11A        | Ant0    | 5745    | Peak     | 5650.000       | -46.307         | ≤-27.00        | PASS    |
|            |         |         | Peak     | 5700.000       | -47.62          | ≤10.00         | PASS    |
|            |         |         | Peak     | 5720.000       | -43.45          | ≤15.60         | PASS    |
|            |         |         | Peak     | 5725.000       | -38.12          | ≤27.00         | PASS    |
|            |         | 5825    | Peak     | 5850.000       | -45.668         | ≤15.60         | PASS    |
|            |         |         | Peak     | 5855.000       | -46.06          | ≤27.00         | PASS    |
|            |         |         | Peak     | 5875.000       | -46.08          | ≤15.60         | PASS    |
|            |         |         | Peak     | 5925.000       | -46.6           | ≤10.00         | PASS    |
| 11N20SISO  | Ant0    | 5745    | Peak     | 5650.000       | -46.173         | ≤-27.00        | PASS    |
|            |         |         | Peak     | 5700.000       | -46.81          | ≤10.00         | PASS    |
|            |         |         | Peak     | 5720.000       | -44.89          | ≤15.60         | PASS    |
|            |         |         | Peak     | 5725.000       | -35.82          | ≤27.00         | PASS    |
|            |         | 5825    | Peak     | 5850.000       | -42.957         | ≤15.60         | PASS    |
|            |         |         | Peak     | 5855.000       | -46.2           | ≤27.00         | PASS    |
|            |         |         | Peak     | 5875.000       | -46.65          | ≤15.60         | PASS    |
|            |         |         | Peak     | 5925.000       | -47.01          | ≤10.00         | PASS    |
| 11N40SISO  | Ant0    | 5755    | Peak     | 5650.000       | -47.704         | ≤-27.00        | PASS    |
|            |         |         | Peak     | 5700.000       | -47.06          | ≤10.00         | PASS    |
|            |         |         | Peak     | 5720.000       | -40.28          | ≤15.60         | PASS    |
|            |         |         | Peak     | 5725.000       | -39.31          | ≤27.00         | PASS    |
|            |         | 5795    | Peak     | 5850.000       | -45.68          | ≤15.60         | PASS    |
|            |         |         | Peak     | 5855.000       | -46.41          | ≤27.00         | PASS    |
|            |         |         | Peak     | 5875.000       | -45.4           | ≤15.60         | PASS    |
|            |         |         | Peak     | 5925.000       | -47.78          | ≤10.00         | PASS    |
| 11AC20SISO | Ant0    | 5745    | Peak     | 5650.000       | -46.941         | ≤-27.00        | PASS    |
|            |         |         | Peak     | 5700.000       | -45.94          | ≤10.00         | PASS    |
|            |         |         | Peak     | 5720.000       | -43.68          | ≤15.60         | PASS    |
|            |         |         | Peak     | 5725.000       | -38.23          | ≤27.00         | PASS    |
|            |         | 5825    | Peak     | 5850.000       | -44.076         | ≤15.60         | PASS    |
|            |         |         | Peak     | 5855.000       | -46.26          | ≤27.00         | PASS    |
|            |         |         | Peak     | 5875.000       | -46.05          | ≤15.60         | PASS    |
|            |         |         | Peak     | 5925.000       | -46.83          | ≤10.00         | PASS    |
| 11AC40SISO | Ant0    | 5755    | Peak     | 5650.000       | -46.338         | ≤-27.00        | PASS    |



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|            |      |      |      |          |         |         |      |
|------------|------|------|------|----------|---------|---------|------|
|            |      |      | Peak | 5700.000 | -45.05  | ≤10.00  | PASS |
|            |      |      | Peak | 5720.000 | -40.86  | ≤15.60  | PASS |
|            |      |      | Peak | 5725.000 | -38.47  | ≤27.00  | PASS |
|            |      |      | Peak | 5725.000 | -38.47  | ≤27.00  | PASS |
|            |      | 5795 | Peak | 5850.000 | -46.054 | ≤15.60  | PASS |
|            |      |      | Peak | 5855.000 | -44.95  | ≤27.00  | PASS |
|            |      |      | Peak | 5875.000 | -45.89  | ≤15.60  | PASS |
|            |      |      | Peak | 5925.000 | -47.58  | ≤10.00  | PASS |
| 11AC80SISO | Ant0 | 5775 | Peak | 5650.000 | -47.442 | ≤-27.00 | PASS |
|            |      |      | Peak | 5700.000 | -44.4   | ≤10.00  | PASS |
|            |      |      | Peak | 5720.000 | -41.32  | ≤15.60  | PASS |
|            |      |      | Peak | 5725.000 | -39.69  | ≤27.00  | PASS |
|            |      | 5775 | Peak | 5850.000 | -45.097 | ≤15.60  | PASS |
|            |      |      | Peak | 5855.000 | -46.38  | ≤27.00  | PASS |
|            |      |      | Peak | 5875.000 | -47.25  | ≤15.60  | PASS |
|            |      |      | Peak | 5925.000 | -46.72  | ≤10.00  | PASS |

| TestMode      | Antenna | Channel | Detector | Freq.<br>[MHz] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|---------------|---------|---------|----------|----------------|-----------------|----------------|---------|
| 11A           | Ant1    | 5745    | Peak     | 5650.000       | -43.461         | ≤-27.00        | PASS    |
|               |         |         | Peak     | 5700.000       | -43.31          | ≤10.00         | PASS    |
|               |         |         | Peak     | 5720.000       | -30.48          | ≤15.60         | PASS    |
|               |         |         | Peak     | 5725.000       | -26.3           | ≤27.00         | PASS    |
|               |         | 5825    | Peak     | 5850.000       | -36.642         | ≤15.60         | PASS    |
|               |         |         | Peak     | 5855.000       | -40.92          | ≤27.00         | PASS    |
|               |         |         | Peak     | 5875.000       | -44.95          | ≤15.60         | PASS    |
|               |         |         | Peak     | 5925.000       | -45.19          | ≤10.00         | PASS    |
| 11N20<br>SISO | Ant1    | 5745    | Peak     | 5650.000       | -45.035         | ≤-27.00        | PASS    |
|               |         |         | Peak     | 5700.000       | -44.37          | ≤10.00         | PASS    |
|               |         |         | Peak     | 5720.000       | -38.13          | ≤15.60         | PASS    |
|               |         |         | Peak     | 5725.000       | -30.97          | ≤27.00         | PASS    |
|               |         | 5825    | Peak     | 5850.000       | -38.368         | ≤15.60         | PASS    |
|               |         |         | Peak     | 5855.000       | -43.65          | ≤27.00         | PASS    |
|               |         |         | Peak     | 5875.000       | -44.59          | ≤15.60         | PASS    |
|               |         |         | Peak     | 5925.000       | -46.92          | ≤10.00         | PASS    |
| 11N40<br>SISO | Ant1    | 5755    | Peak     | 5650.000       | -45.055         | ≤-27.00        | PASS    |
|               |         |         | Peak     | 5700.000       | -42.23          | ≤10.00         | PASS    |
|               |         |         | Peak     | 5720.000       | -34.67          | ≤15.60         | PASS    |
|               |         |         | Peak     | 5725.000       | -32.45          | ≤27.00         | PASS    |
|               |         | 5795    | Peak     | 5850.000       | -43.544         | ≤15.60         | PASS    |



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|                |      |      |      |          |         |         |      |
|----------------|------|------|------|----------|---------|---------|------|
|                |      |      | Peak | 5855.000 | -45.04  | ≤27.00  | PASS |
|                |      |      | Peak | 5875.000 | -44.26  | ≤15.60  | PASS |
|                |      |      | Peak | 5925.000 | -45.76  | ≤10.00  | PASS |
| 11AC20<br>SISO | Ant1 | 5745 | Peak | 5650.000 | -45.449 | ≤-27.00 | PASS |
|                |      |      | Peak | 5700.000 | -43.75  | ≤10.00  | PASS |
|                |      |      | Peak | 5720.000 | -36.39  | ≤15.60  | PASS |
|                |      |      | Peak | 5725.000 | -32.65  | ≤27.00  | PASS |
|                |      | 5825 | Peak | 5850.000 | -39.563 | ≤15.60  | PASS |
|                |      |      | Peak | 5855.000 | -43.9   | ≤27.00  | PASS |
|                |      |      | Peak | 5875.000 | -44.98  | ≤15.60  | PASS |
|                |      |      | Peak | 5925.000 | -44.74  | ≤10.00  | PASS |
| 11AC40<br>SISO | Ant1 | 5755 | Peak | 5650.000 | -45.733 | ≤-27.00 | PASS |
|                |      |      | Peak | 5700.000 | -42.87  | ≤10.00  | PASS |
|                |      |      | Peak | 5720.000 | -34.01  | ≤15.60  | PASS |
|                |      |      | Peak | 5725.000 | -31.53  | ≤27.00  | PASS |
|                |      | 5795 | Peak | 5850.000 | -43.644 | ≤15.60  | PASS |
|                |      |      | Peak | 5855.000 | -44.42  | ≤27.00  | PASS |
|                |      |      | Peak | 5875.000 | -45.18  | ≤15.60  | PASS |
|                |      |      | Peak | 5925.000 | -46.08  | ≤10.00  | PASS |
| 11AC80<br>SISO | Ant1 | 5775 | Peak | 5650.000 | -44.682 | ≤-27.00 | PASS |
|                |      |      | Peak | 5700.000 | -39.81  | ≤10.00  | PASS |
|                |      |      | Peak | 5720.000 | -36.28  | ≤15.60  | PASS |
|                |      |      | Peak | 5725.000 | -32.33  | ≤27.00  | PASS |
|                |      | 5775 | Peak | 5850.000 | -39.402 | ≤15.60  | PASS |
|                |      |      | Peak | 5855.000 | -41.44  | ≤27.00  | PASS |
|                |      |      | Peak | 5875.000 | -44.38  | ≤15.60  | PASS |
|                |      |      | Peak | 5925.000 | -46.05  | ≤10.00  | PASS |



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MIMO

| TestMode | Channel | Detector | Freq.<br>[MHz] | Ant0<br>[dBm] | Ant1<br>[dBm] | Sum<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|----------|----------------|---------------|---------------|--------------|----------------|---------|
| 11N20    | 5745    | Peak     | 5650.000       | -46.173       | -45.035       | -42.56       | ≤-27.00        | PASS    |
|          |         | Peak     | 5700.000       | -46.81        | -44.37        | -42.41       | ≤10.00         | PASS    |
|          |         | Peak     | 5720.000       | -44.89        | -38.13        | -37.30       | ≤15.60         | PASS    |
|          |         | Peak     | 5725.000       | -35.82        | -30.97        | -29.74       | ≤27.00         | PASS    |
|          | 5825    | Peak     | 5850.000       | -42.957       | -38.368       | -37.07       | ≤15.60         | PASS    |
|          |         | Peak     | 5855.000       | -46.2         | -43.65        | -41.73       | ≤27.00         | PASS    |
|          |         | Peak     | 5875.000       | -46.65        | -44.59        | -42.49       | ≤15.60         | PASS    |
|          |         | Peak     | 5925.000       | -47.01        | -46.92        | -43.95       | ≤10.00         | PASS    |
| 11N40    | 5755    | Peak     | 5650.000       | -47.704       | -45.055       | -43.17       | ≤-27.00        | PASS    |
|          |         | Peak     | 5700.000       | -47.06        | -42.23        | -41.00       | ≤10.00         | PASS    |
|          |         | Peak     | 5720.000       | -40.28        | -34.67        | -33.62       | ≤15.60         | PASS    |
|          |         | Peak     | 5725.000       | -39.31        | -32.45        | -31.64       | ≤27.00         | PASS    |
|          | 5795    | Peak     | 5850.000       | -45.68        | -43.544       | -41.47       | ≤15.60         | PASS    |
|          |         | Peak     | 5855.000       | -46.41        | -45.04        | -42.66       | ≤27.00         | PASS    |
|          |         | Peak     | 5875.000       | -45.4         | -44.26        | -41.78       | ≤15.60         | PASS    |
|          |         | Peak     | 5925.000       | -47.78        | -45.76        | -43.64       | ≤10.00         | PASS    |
| 11AC20   | 5745    | Peak     | 5650.000       | -46.941       | -45.449       | -43.12       | ≤-27.00        | PASS    |
|          |         | Peak     | 5700.000       | -45.94        | -43.75        | -41.70       | ≤10.00         | PASS    |
|          |         | Peak     | 5720.000       | -43.68        | -36.39        | -35.65       | ≤15.60         | PASS    |
|          |         | Peak     | 5725.000       | -38.23        | -32.65        | -31.59       | ≤27.00         | PASS    |
|          | 5825    | Peak     | 5850.000       | -44.076       | -39.563       | -38.25       | ≤15.60         | PASS    |
|          |         | Peak     | 5855.000       | -46.26        | -43.9         | -41.91       | ≤27.00         | PASS    |
|          |         | Peak     | 5875.000       | -46.05        | -44.98        | -42.47       | ≤15.60         | PASS    |
|          |         | Peak     | 5925.000       | -46.83        | -44.74        | -42.65       | ≤10.00         | PASS    |
| 11AC40   | 5755    | Peak     | 5650.000       | -46.338       | -45.733       | -43.01       | ≤-27.00        | PASS    |
|          |         | Peak     | 5700.000       | -45.05        | -42.87        | -40.81       | ≤10.00         | PASS    |
|          |         | Peak     | 5720.000       | -40.86        | -34.01        | -33.19       | ≤15.60         | PASS    |
|          |         | Peak     | 5725.000       | -38.47        | -31.53        | -30.73       | ≤27.00         | PASS    |
|          | 5795    | Peak     | 5850.000       | -46.054       | -43.644       | -41.67       | ≤15.60         | PASS    |
|          |         | Peak     | 5855.000       | -44.95        | -44.42        | -41.67       | ≤27.00         | PASS    |
|          |         | Peak     | 5875.000       | -45.89        | -45.18        | -42.51       | ≤15.60         | PASS    |
|          |         | Peak     | 5925.000       | -47.58        | -46.08        | -43.76       | ≤10.00         | PASS    |



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|        |      |      |          |         |         |        |         |      |
|--------|------|------|----------|---------|---------|--------|---------|------|
| 11AC80 | 5775 | Peak | 5650.000 | -47.442 | -44.682 | -42.84 | ≤-27.00 | PASS |
|        |      | Peak | 5700.000 | -44.4   | -39.81  | -38.51 | ≤10.00  | PASS |
|        |      | Peak | 5720.000 | -41.32  | -36.28  | -35.10 | ≤15.60  | PASS |
|        |      | Peak | 5725.000 | -39.69  | -32.33  | -31.60 | ≤27.00  | PASS |
|        | 5775 | Peak | 5850.000 | -45.097 | -39.402 | -38.37 | ≤15.60  | PASS |
|        |      | Peak | 5855.000 | -46.38  | -41.44  | -40.23 | ≤27.00  | PASS |
|        |      | Peak | 5875.000 | -47.25  | -44.38  | -42.57 | ≤15.60  | PASS |
|        |      | Peak | 5925.000 | -46.72  | -46.05  | -43.36 | ≤10.00  | PASS |

## Note:

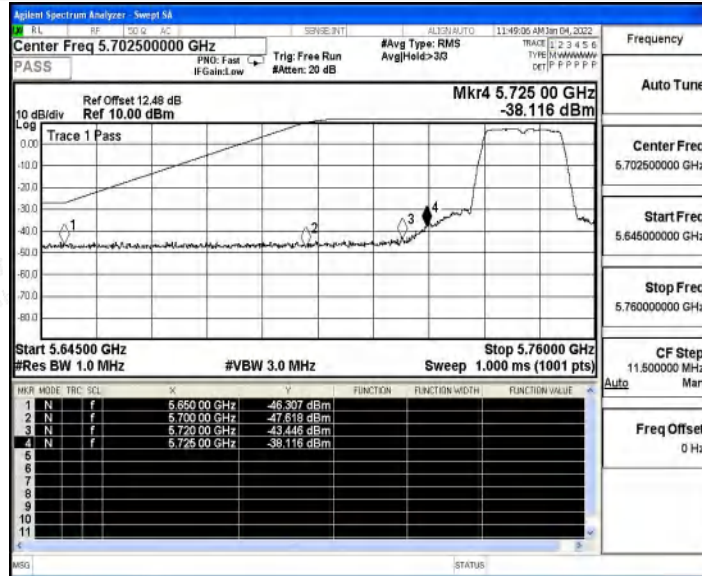
1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



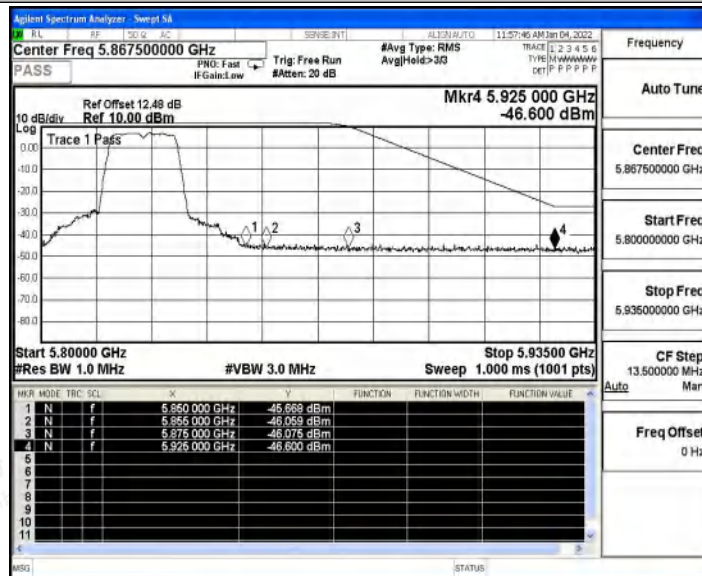


## Test Graphs

11A\_Ant0\_Low\_5745\_Peak



11A\_Ant0\_High\_5825\_Peak



11N20SISO\_Ant0\_Low\_5745\_Peak

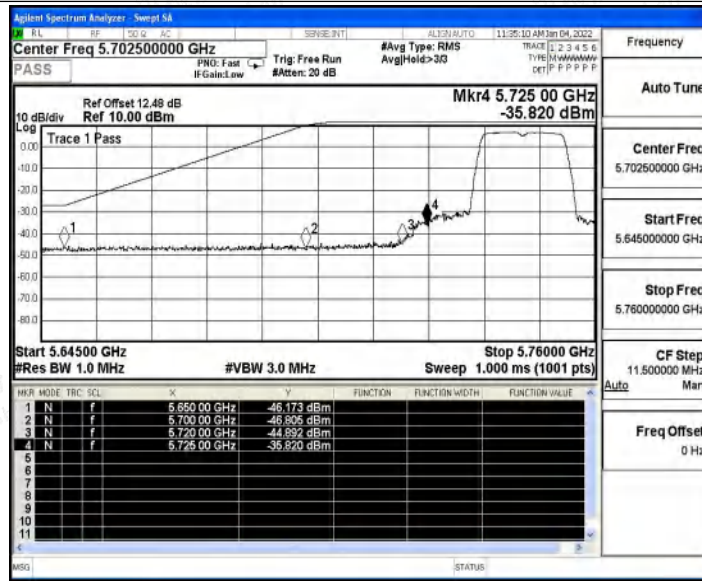


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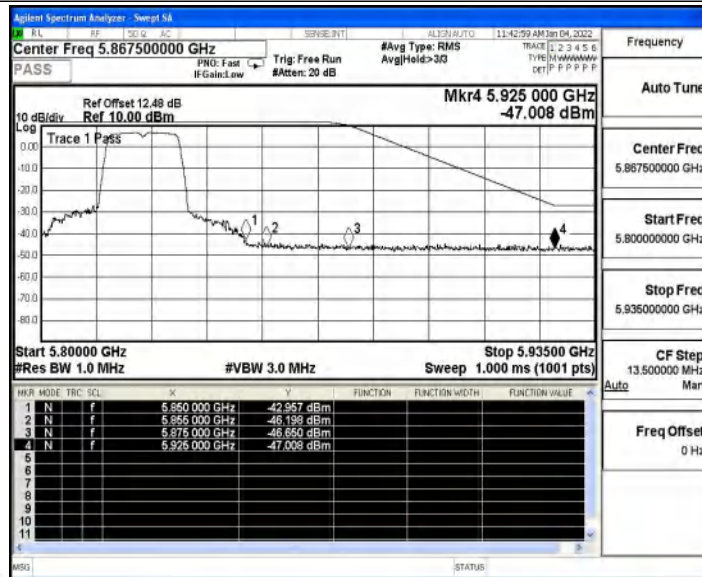
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO\_Ant0\_High\_5825\_Peak



11N40SISO\_Ant0\_Low\_5755\_Peak



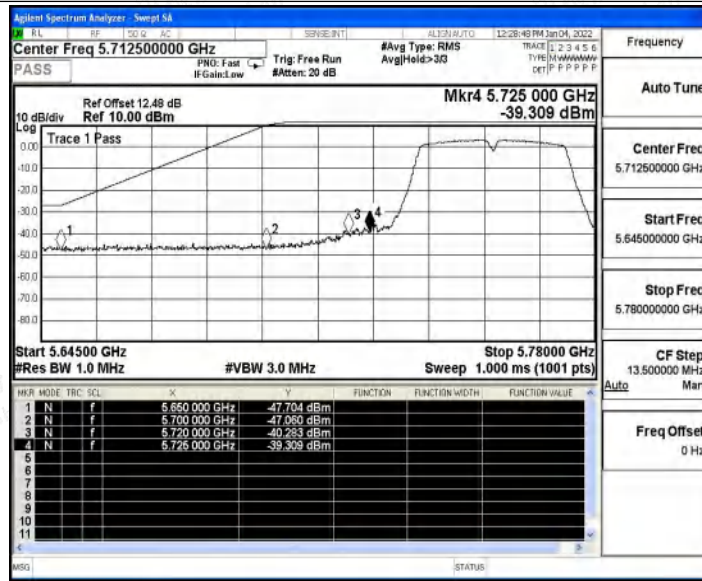
Shenzhen LCS Compliance Testing Laboratory Ltd.

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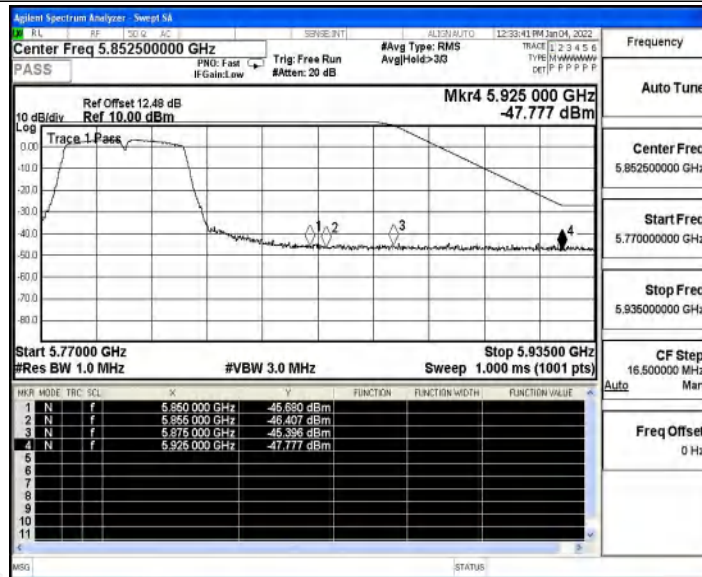
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11N40SISO\_Ant0\_High\_5795\_Peak



11AC20SISO\_Ant0\_Low\_5745\_Peak

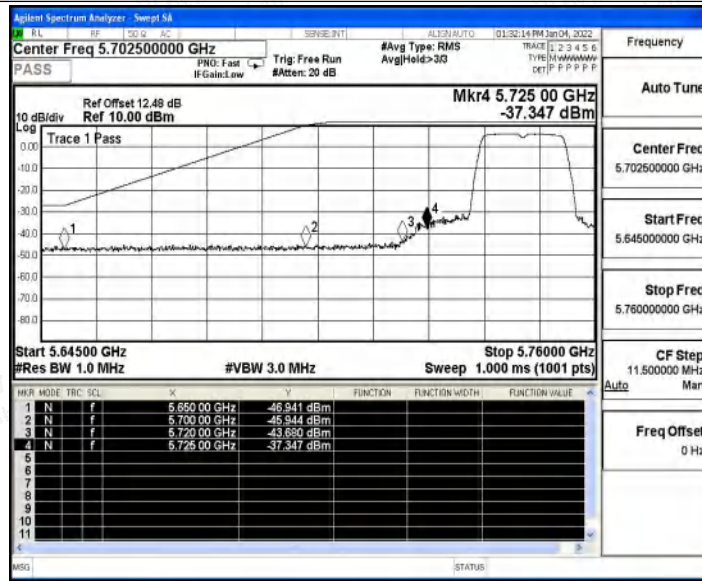


Shenzhen LCS Compliance Testing Laboratory Ltd.

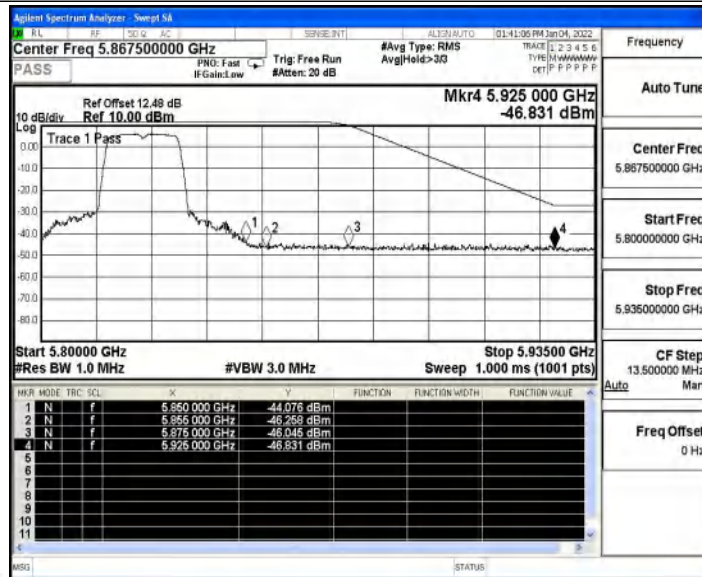
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11AC20SISO\_Ant0\_High\_5825\_Peak



11AC40SISO\_Ant0\_Low\_5755\_Peak

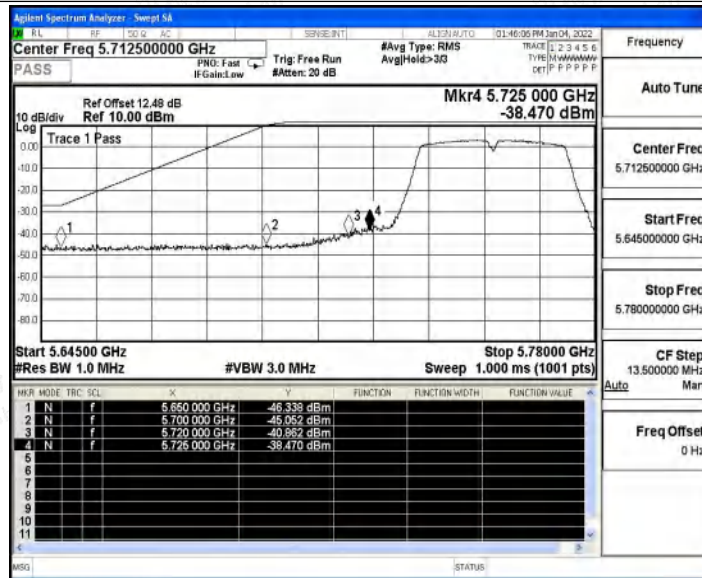


Shenzhen LCS Compliance Testing Laboratory Ltd.

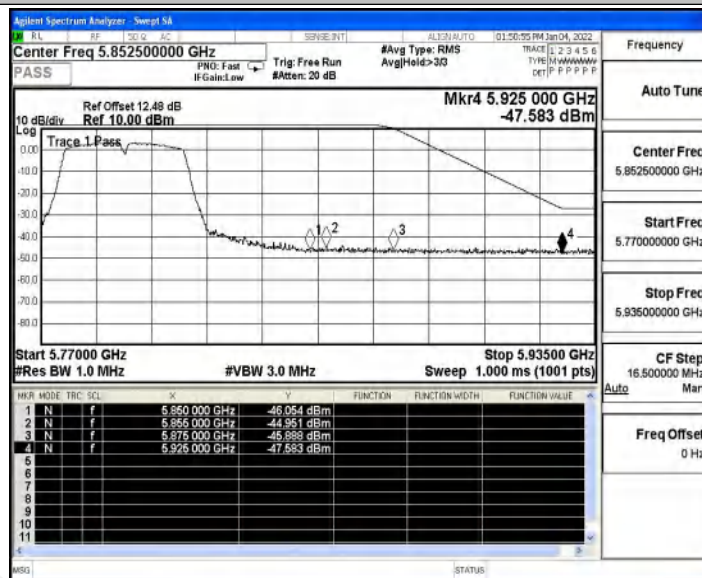
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11AC40SISO\_Ant0\_High\_5795\_Peak



11AC80SISO\_Ant0\_Low\_5775\_Peak

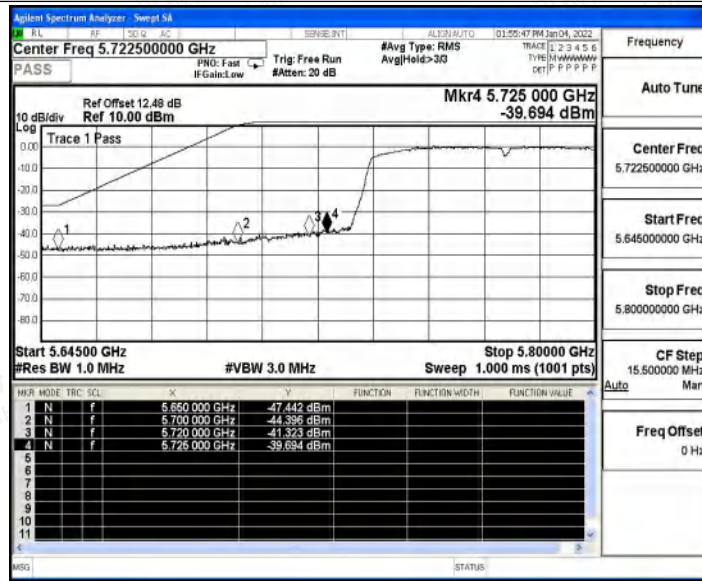


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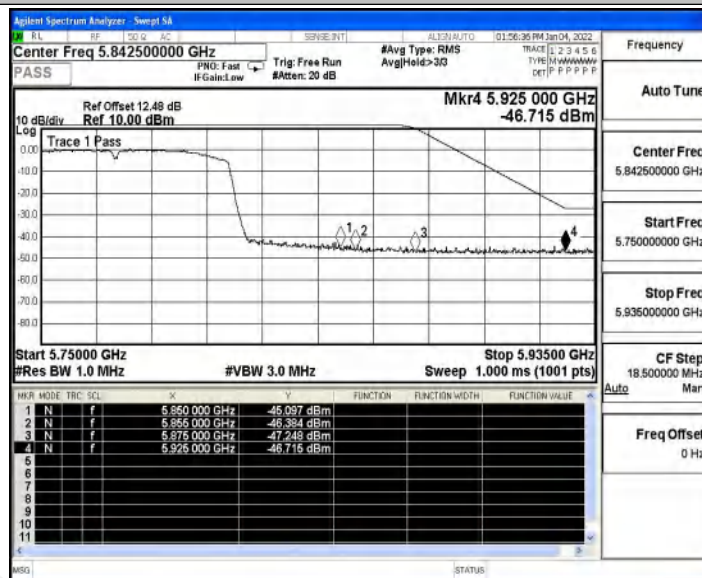
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11AC80SISO\_Ant0\_High\_5775\_Peak

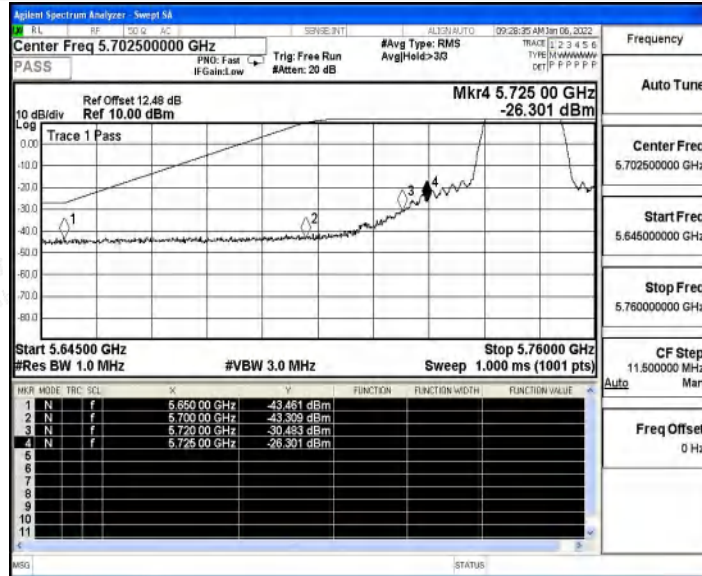




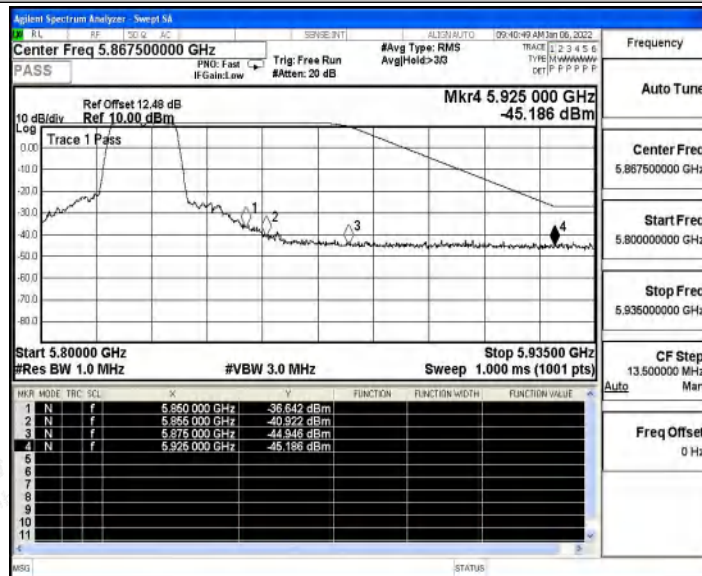


## Test Graphs

11A\_Ant1\_Low\_5745\_Peak



11A\_Ant1\_High\_5825\_Peak



11N20SISO\_Ant1\_Low\_5745\_Peak



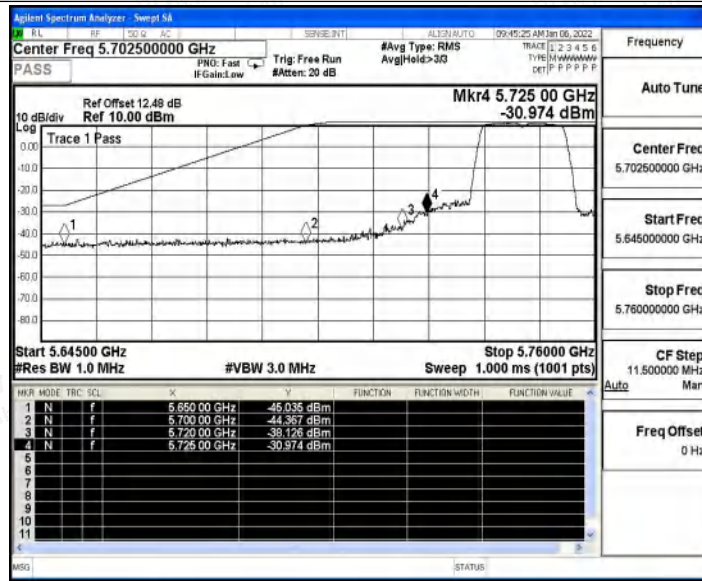
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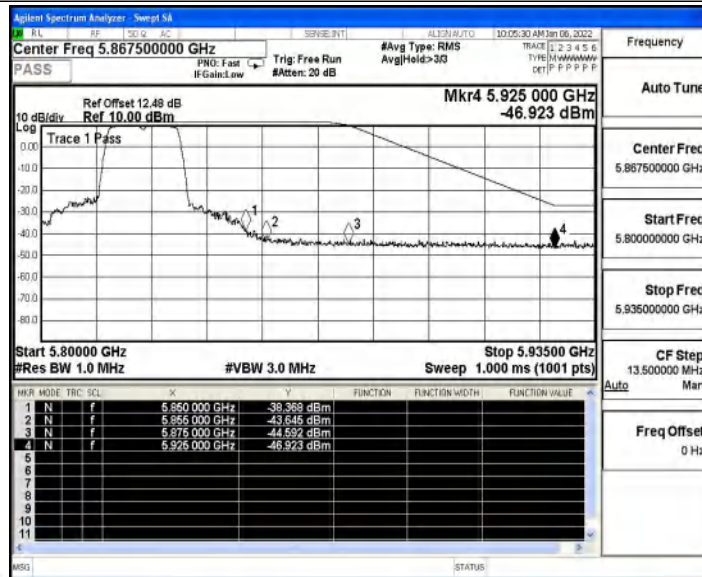
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11N20SISO\_Ant1\_High\_5825\_Peak



11N40SISO\_Ant1\_Low\_5755\_Peak

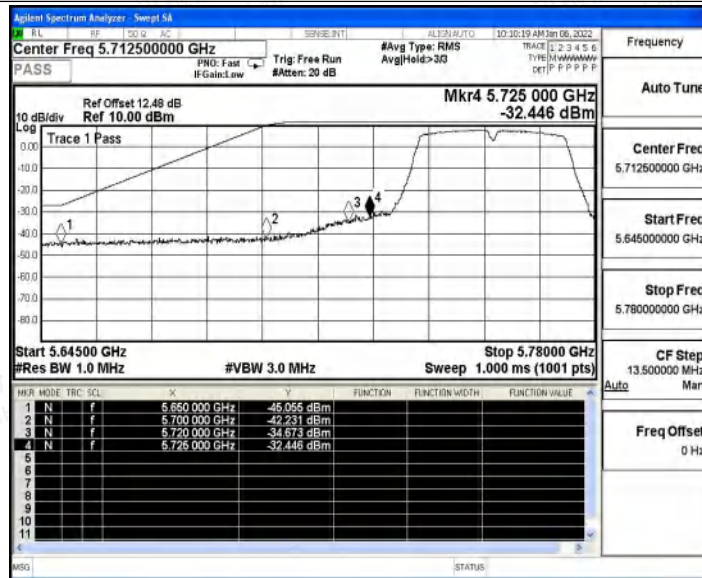


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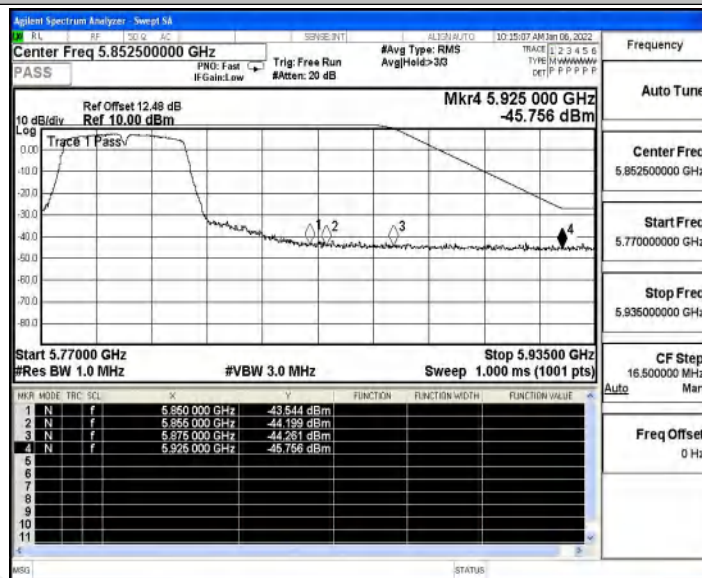
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N40SISO\_Ant1\_High\_5795\_Peak



11AC20SISO\_Ant1\_Low\_5745\_Peak

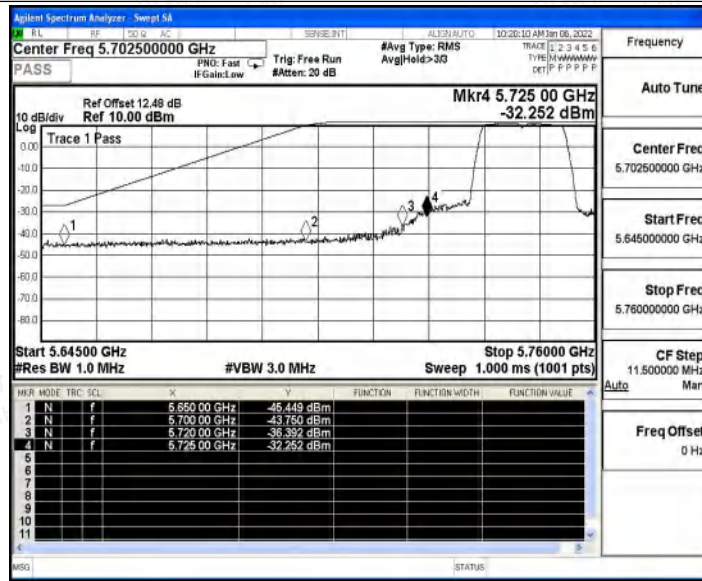


Shenzhen LCS Compliance Testing Laboratory Ltd.

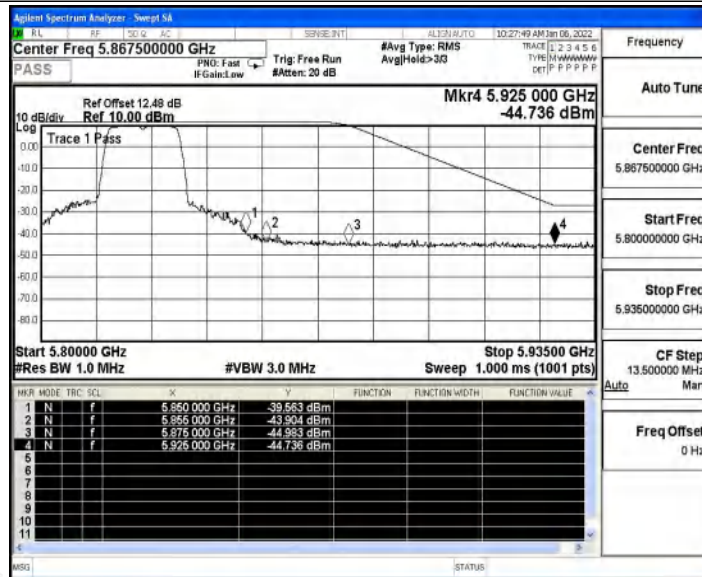
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11AC20SISO\_Ant1\_High\_5825\_Peak



11AC40SISO\_Ant1\_Low\_5755\_Peak

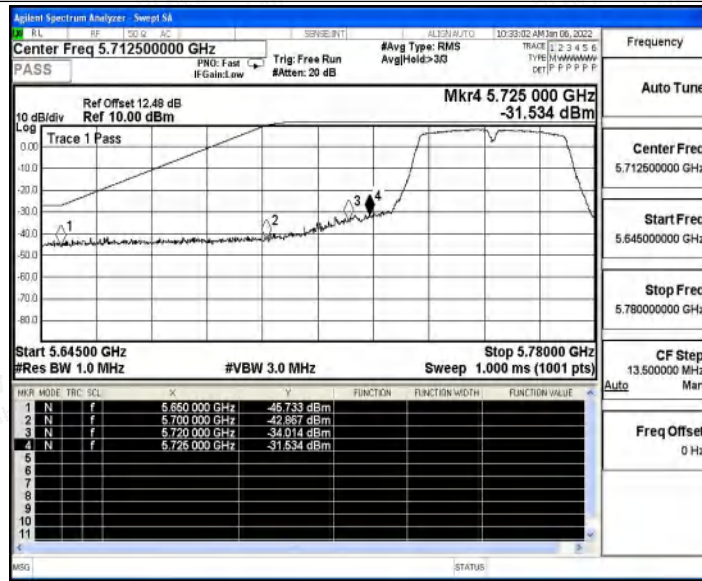


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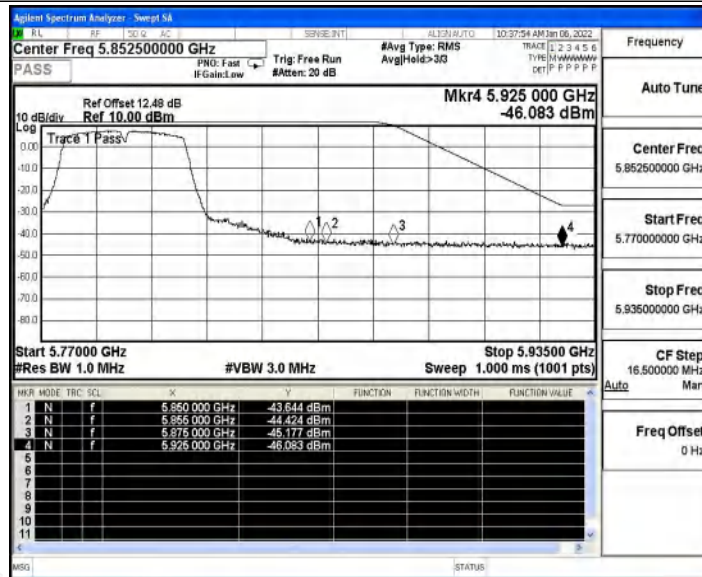
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11AC40SISO\_Ant1\_High\_5795\_Peak



11AC80SISO\_Ant1\_Low\_5775\_Peak



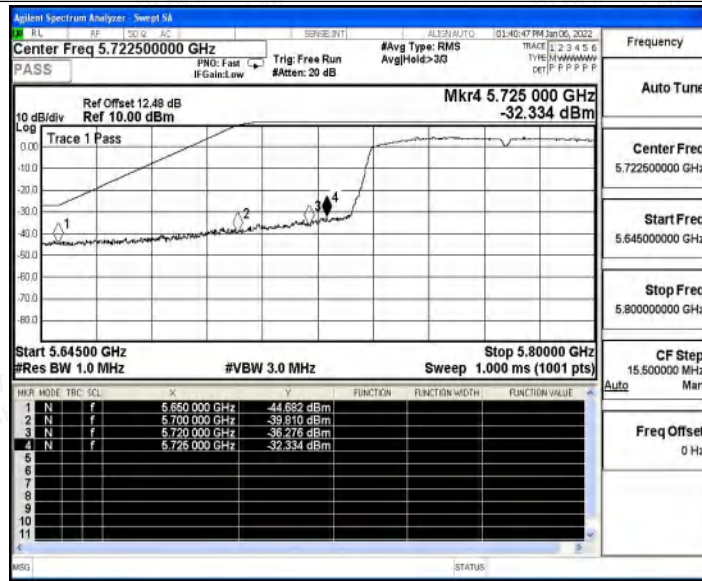
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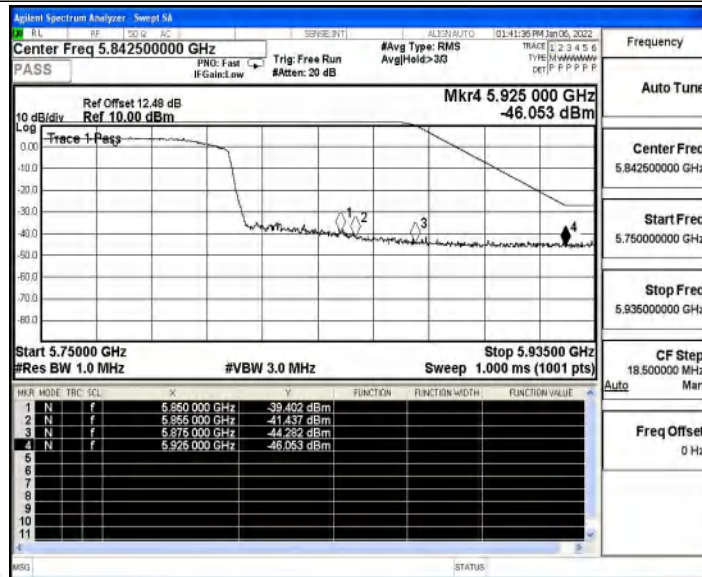
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11AC80SISO\_Ant1\_High\_5775\_Peak



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## E.5 Frequency Stability

### Test Result

| Voltage        |         |         |               |                  |                |                 |             |         |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode       | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC20SI<br>SO | Ant0    | 5745    | NV            | NT               | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | LV            | NT               | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | HV            | NT               | -14000         | -2.436902       | 20          | PASS    |
|                |         | 5785    | NV            | NT               | -14000         | -2.420052       | 20          | PASS    |
|                |         |         | LV            | NT               | -14000         | -2.420052       | 20          | PASS    |
|                |         |         | HV            | NT               | -14000         | -2.420052       | 20          | PASS    |
|                |         | 5825    | NV            | NT               | -15000         | -2.575107       | 20          | PASS    |
|                |         |         | LV            | NT               | -15000         | -2.575107       | 20          | PASS    |
|                |         |         | HV            | NT               | -15000         | -2.575107       | 20          | PASS    |

| Temperature    |         |         |               |                  |                |                 |             |         |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode       | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC20SI<br>SO | Ant0    | 5745    | NV            | -30              | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | NV            | -20              | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | NV            | -10              | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | NV            | 0                | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | NV            | 10               | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | NV            | 20               | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | NV            | 30               | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | NV            | 40               | -14000         | -2.436902       | 20          | PASS    |
|                |         |         | NV            | 50               | -14000         | -2.436902       | 20          | PASS    |
|                |         | 5785    | NV            | -30              | -15000         | -2.592913       | 20          | PASS    |
|                |         |         | NV            | -20              | -14000         | -2.420052       | 20          | PASS    |
|                |         |         | NV            | -10              | -15000         | -2.592913       | 20          | PASS    |
|                |         |         | NV            | 0                | -15000         | -2.592913       | 20          | PASS    |
|                |         |         | NV            | 10               | -15000         | -2.592913       | 20          | PASS    |
|                |         |         | NV            | 20               | -15000         | -2.592913       | 20          | PASS    |
|                |         |         | NV            | 30               | -15000         | -2.592913       | 20          | PASS    |
|                |         |         | NV            | 40               | -15000         | -2.592913       | 20          | PASS    |
|                |         |         | NV            | 50               | -15000         | -2.592913       | 20          | PASS    |
|                |         | 5825    | NV            | -30              | -15000         | -2.575107       | 20          | PASS    |



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|  |  |  |    |     |        |           |    |      |
|--|--|--|----|-----|--------|-----------|----|------|
|  |  |  | NV | -20 | -15000 | -2.575107 | 20 | PASS |
|  |  |  | NV | -10 | -15000 | -2.575107 | 20 | PASS |
|  |  |  | NV | 0   | -15000 | -2.575107 | 20 | PASS |
|  |  |  | NV | 10  | -15000 | -2.575107 | 20 | PASS |
|  |  |  | NV | 20  | -15000 | -2.575107 | 20 | PASS |
|  |  |  | NV | 30  | -15000 | -2.575107 | 20 | PASS |
|  |  |  | NV | 40  | -15000 | -2.575107 | 20 | PASS |
|  |  |  | NV | 50  | -15000 | -2.575107 | 20 | PASS |

| Voltage  |         |         |               |                  |                |                 |             |         |
|----------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A      | Ant1    | 5745    | NV            | NT               | -20000         | -3.481288       | 20          | PASS    |
|          |         |         | LV            | NT               | -20000         | -3.481288       | 20          | PASS    |
|          |         |         | HV            | NT               | -20000         | -3.481288       | 20          | PASS    |
|          |         | 5785    | NV            | NT               | -20000         | -3.457217       | 20          | PASS    |
|          |         |         | LV            | NT               | -20000         | -3.457217       | 20          | PASS    |
|          |         |         | HV            | NT               | -20000         | -3.457217       | 20          | PASS    |

| Temperature |         |         |               |                  |                |                 |             |         |
|-------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode    | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A         | Ant1    | 5745    | NV            | -30              | -20000         | -3.481288       | 20          | PASS    |
|             |         |         | NV            | -20              | -20000         | -3.481288       | 20          | PASS    |
|             |         |         | NV            | -10              | -20000         | -3.481288       | 20          | PASS    |
|             |         |         | NV            | 0                | -20000         | -3.481288       | 20          | PASS    |
|             |         |         | NV            | 10               | -20000         | -3.481288       | 20          | PASS    |
|             |         |         | NV            | 20               | -20000         | -3.481288       | 20          | PASS    |
|             |         |         | NV            | 30               | -20000         | -3.481288       | 20          | PASS    |
|             |         |         | NV            | 40               | -20000         | -3.481288       | 20          | PASS    |
|             |         |         | NV            | 50               | -20000         | -3.481288       | 20          | PASS    |
|             |         | 5785    | NV            | -30              | -20000         | -3.457217       | 20          | PASS    |
|             |         |         | NV            | -20              | -20000         | -3.457217       | 20          | PASS    |
|             |         |         | NV            | -10              | -20000         | -3.457217       | 20          | PASS    |
|             |         |         | NV            | 0                | -20000         | -3.457217       | 20          | PASS    |
|             |         |         | NV            | 10               | -20000         | -3.457217       | 20          | PASS    |
|             |         |         | NV            | 20               | -20000         | -3.457217       | 20          | PASS    |
|             |         |         | NV            | 30               | -20000         | -3.457217       | 20          | PASS    |



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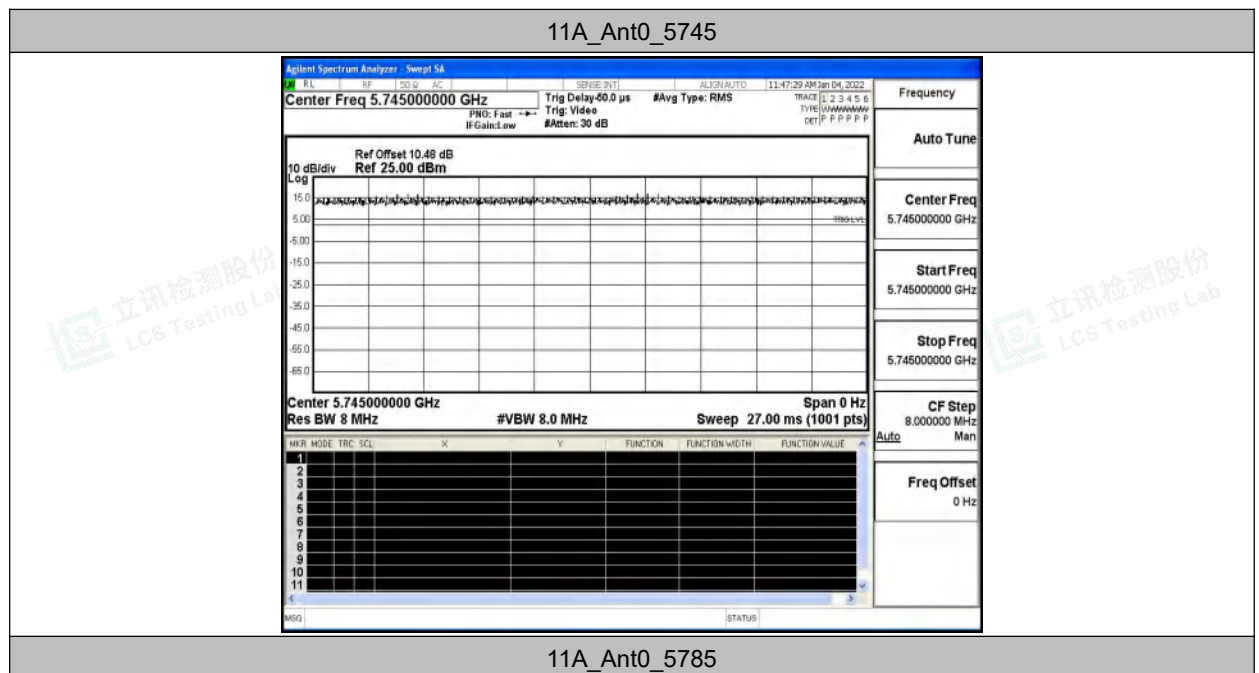


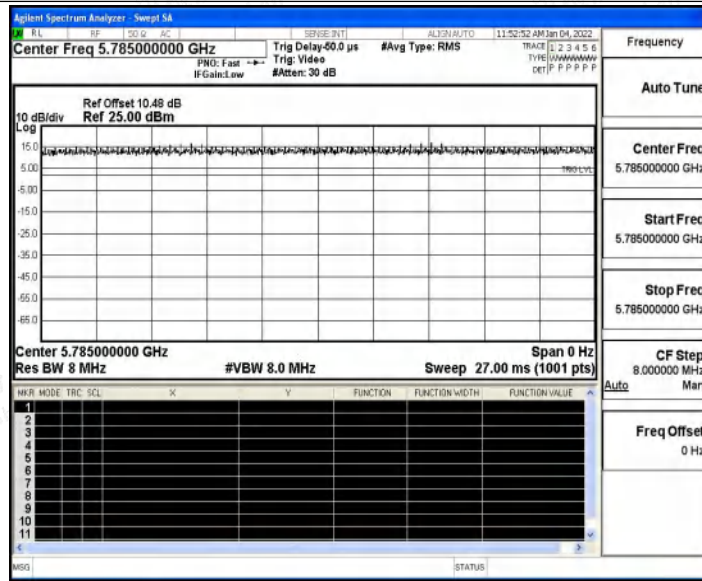
## E.6 Duty Cycle

### Test Result

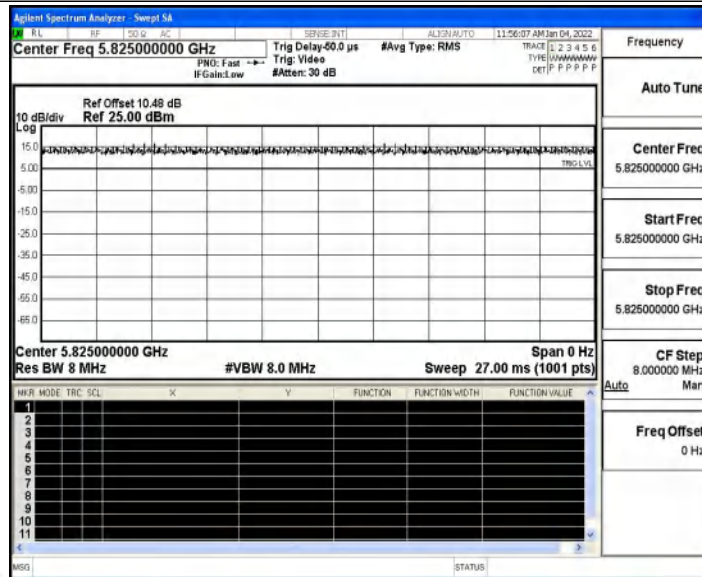
| TestMode   | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|------------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11A        | Ant0    | 5745    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5785    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5825    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11N20SISO  | Ant0    | 5745    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5785    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5825    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11N40SISO  | Ant0    | 5755    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5795    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11AC20SISO | Ant0    | 5745    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5785    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5825    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11AC40SISO | Ant0    | 5755    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5795    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11AC80SISO | Ant0    | 5775    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |

### Test Graphs





11A\_Ant0\_5825



11N20SISO\_Ant0\_5745



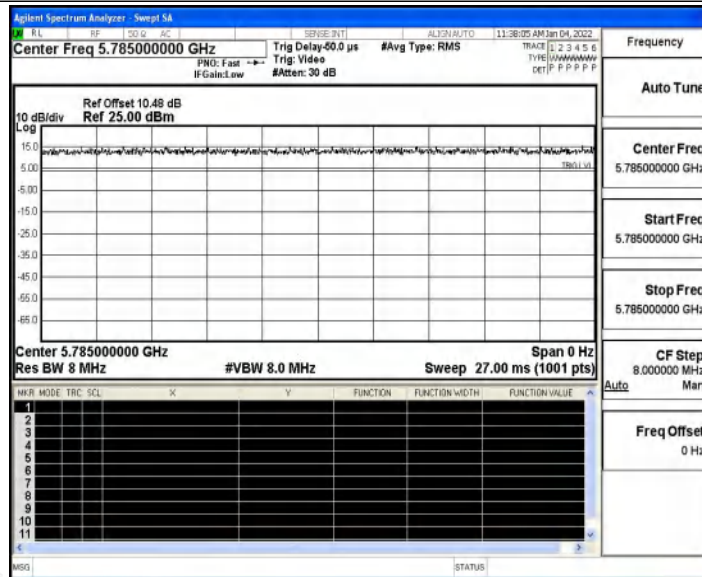
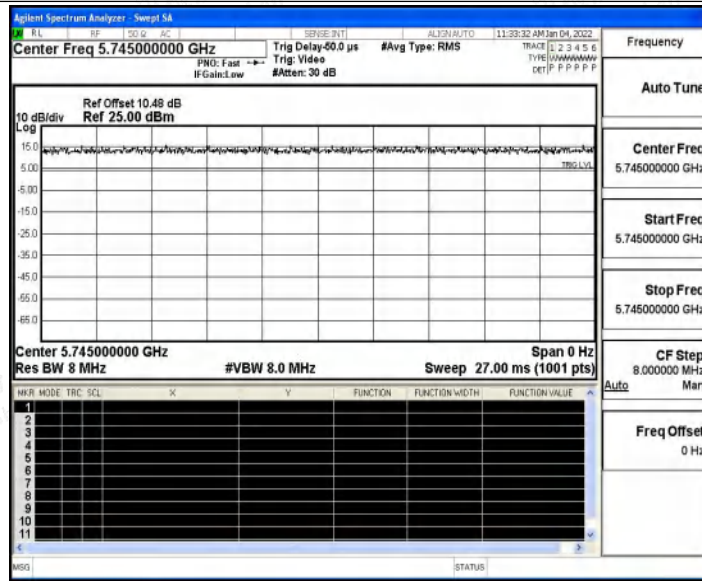
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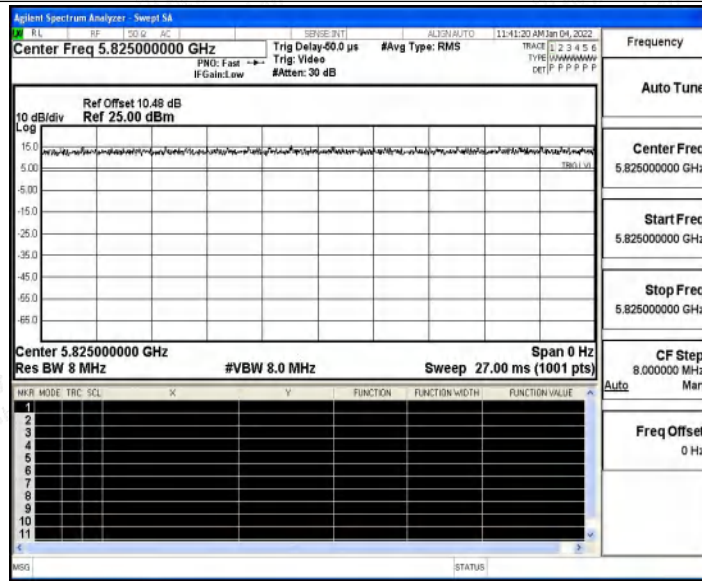


Shenzhen LCS Compliance Testing Laboratory Ltd.

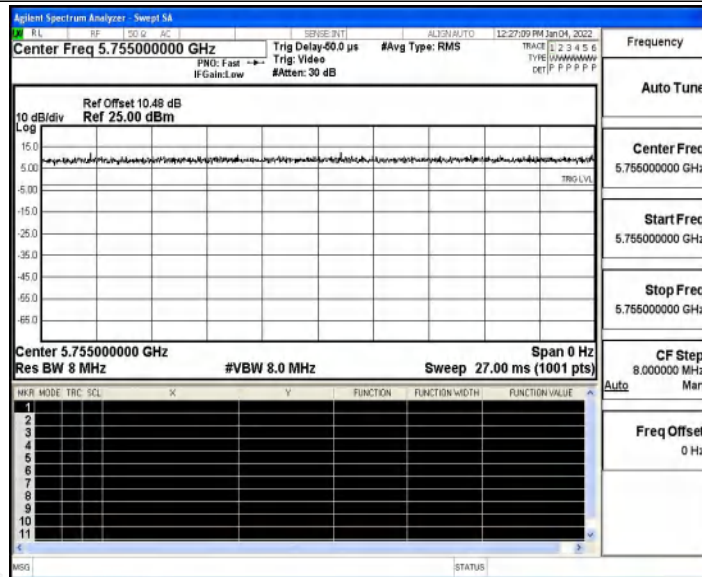
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11N40SISO\_Ant0\_5755



11N40SISO\_Ant0\_5795

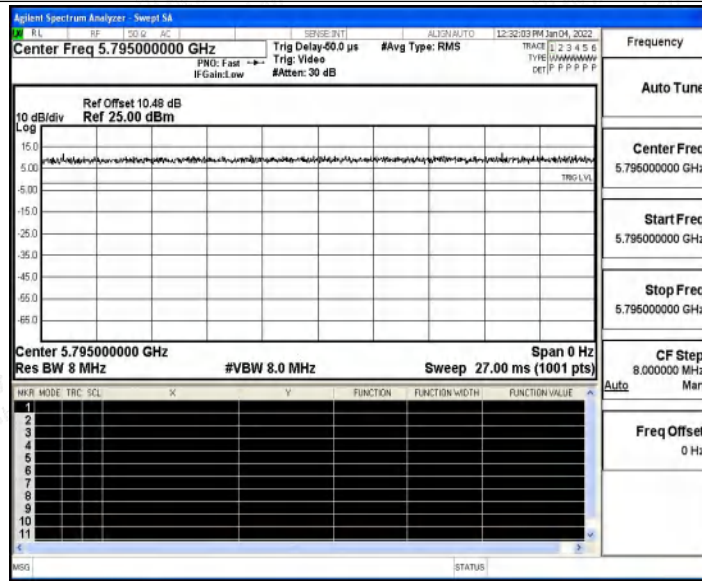


Shenzhen LCS Compliance Testing Laboratory Ltd.

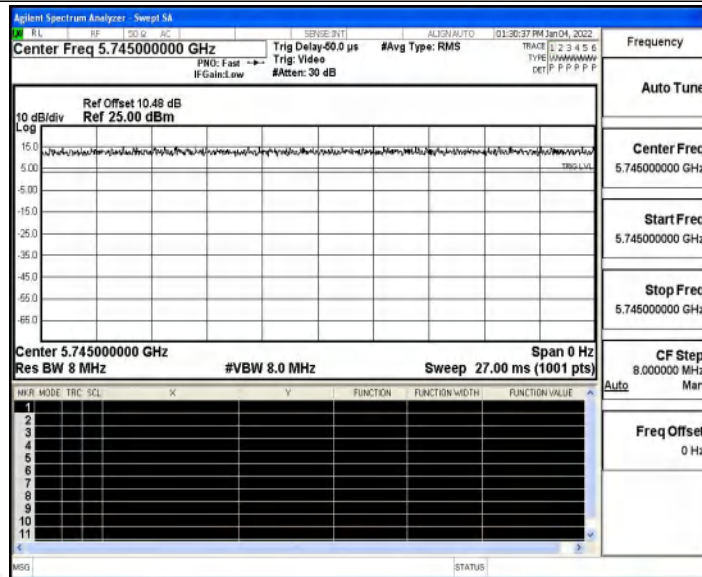
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11AC20SISO\_Ant0\_5745



11AC20SISO\_Ant0\_5785

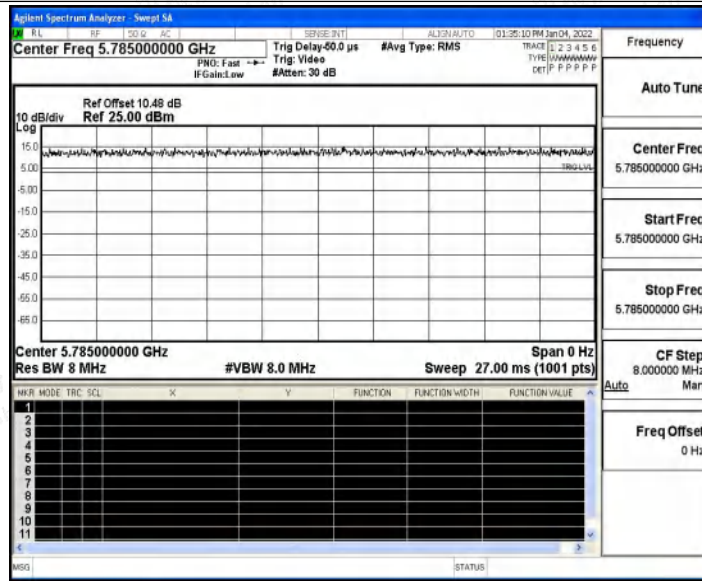


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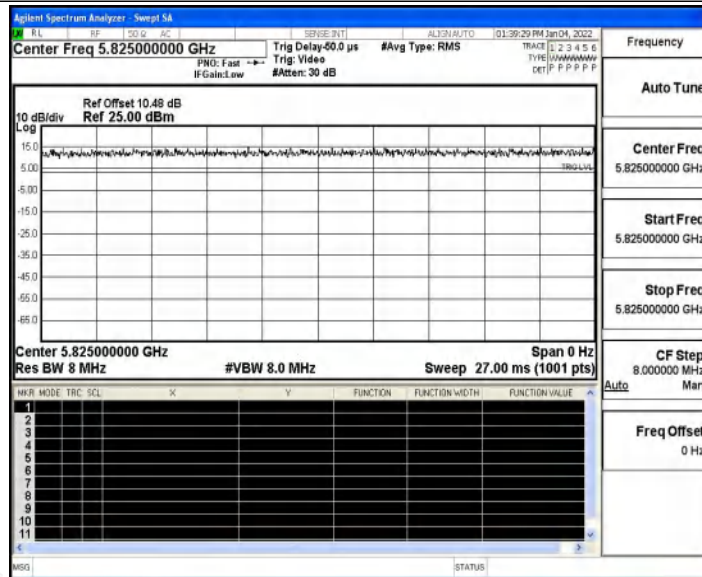
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11AC20SISO\_Ant0\_5825



11AC40SISO\_Ant0\_5755

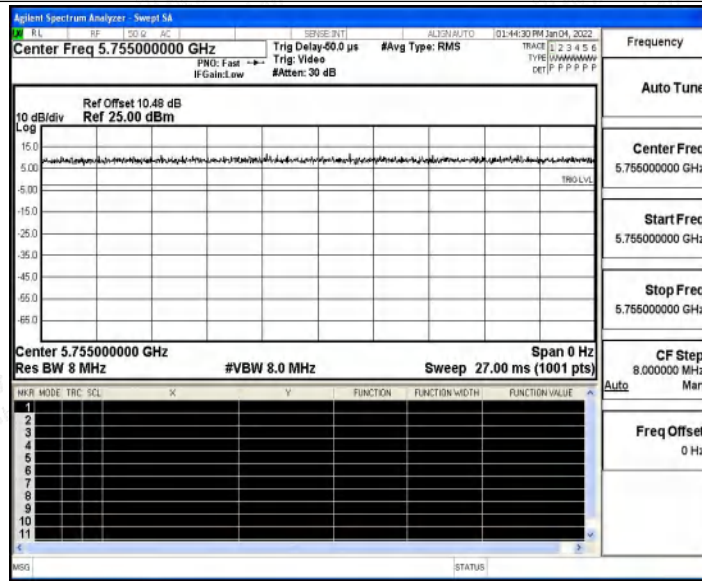


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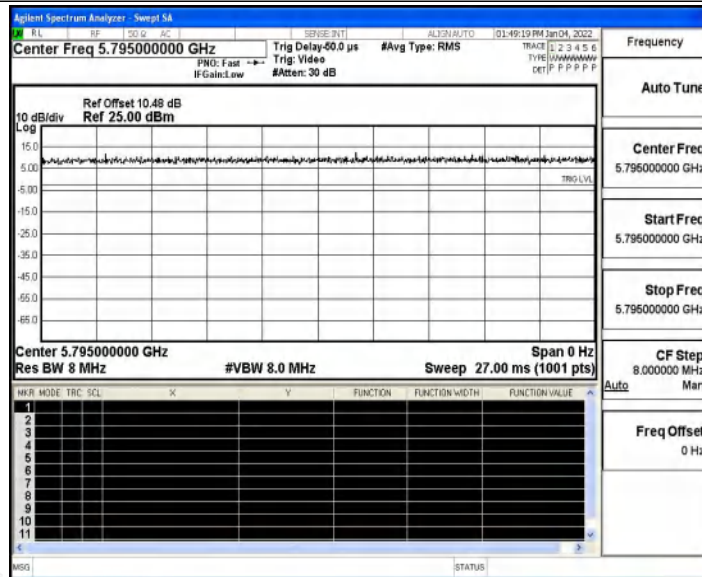
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11AC40SISO\_Ant0\_5795



11AC80SISO\_Ant0\_5775



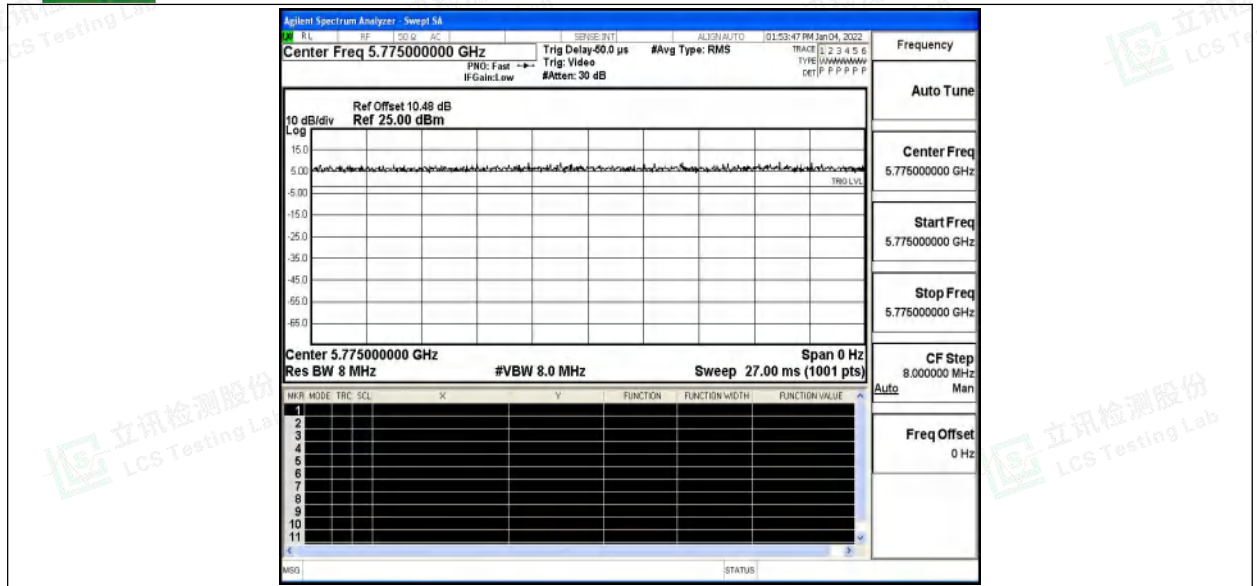
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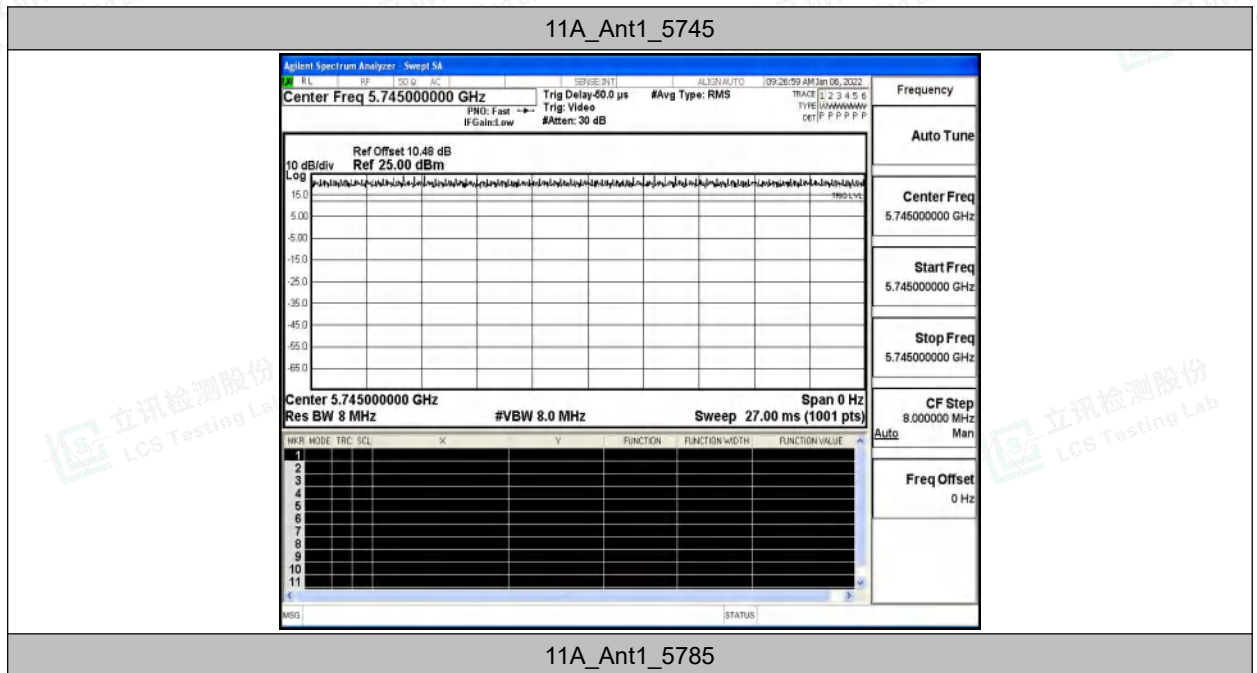
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| TestMode   | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|------------|---------|---------|----------------------------|--------------------------|----------------|-------|---------|
| 11A        | Ant1    | 5745    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5785    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5825    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11N20SISO  | Ant1    | 5745    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5785    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5825    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11N40SISO  | Ant1    | 5755    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5795    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11AC20SISO | Ant1    | 5745    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5785    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5825    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11AC40SISO | Ant1    | 5755    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
|            |         | 5795    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |
| 11AC80SISO | Ant1    | 5775    | 27.00                      | 27.00                    | 100.00         | ---   | ---     |

## Test Graphs

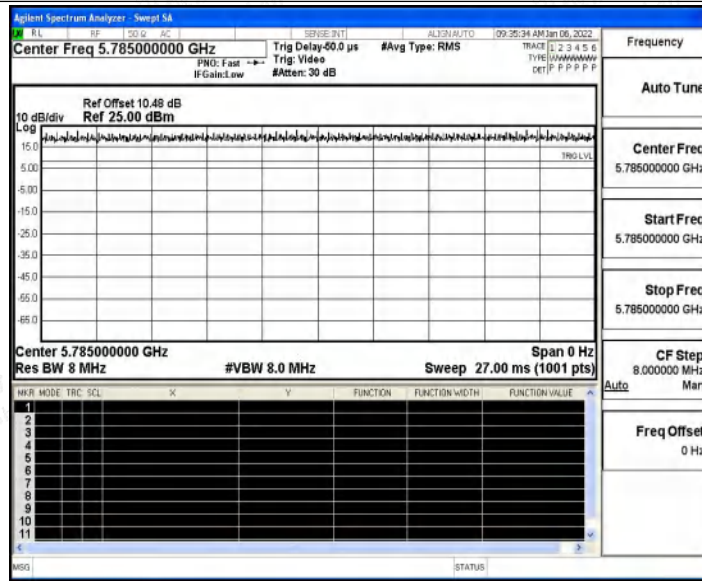


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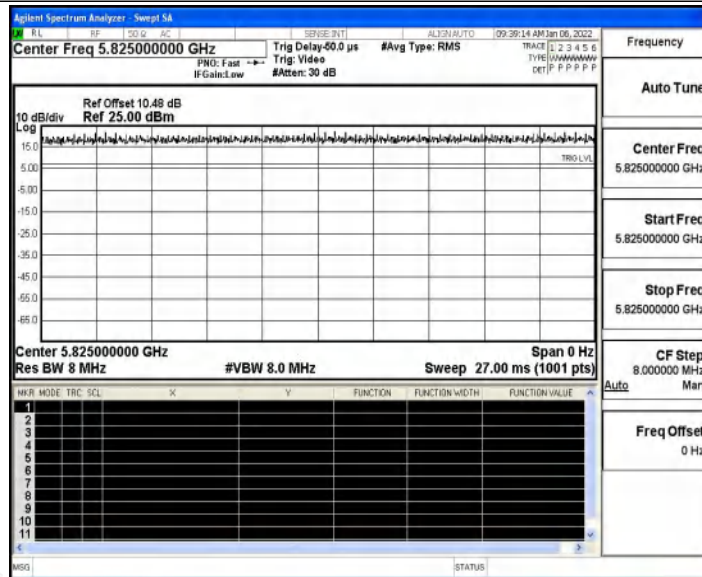
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11A\_Ant1\_5825



11N20SISO\_Ant1\_5745

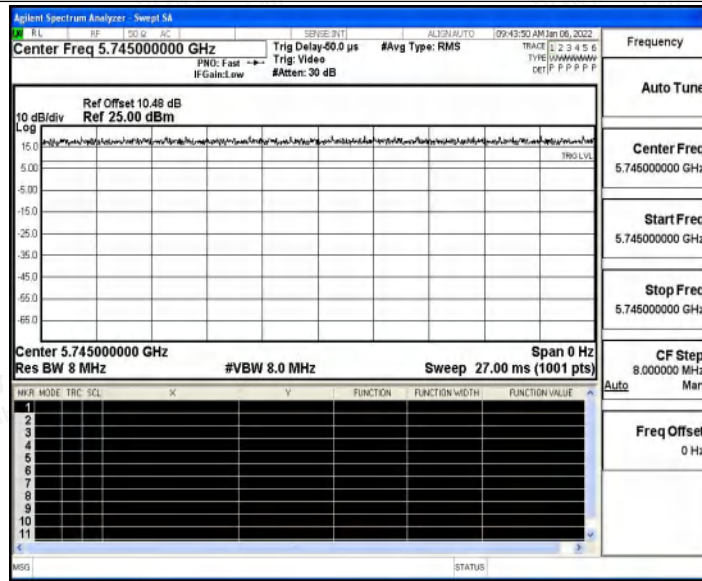


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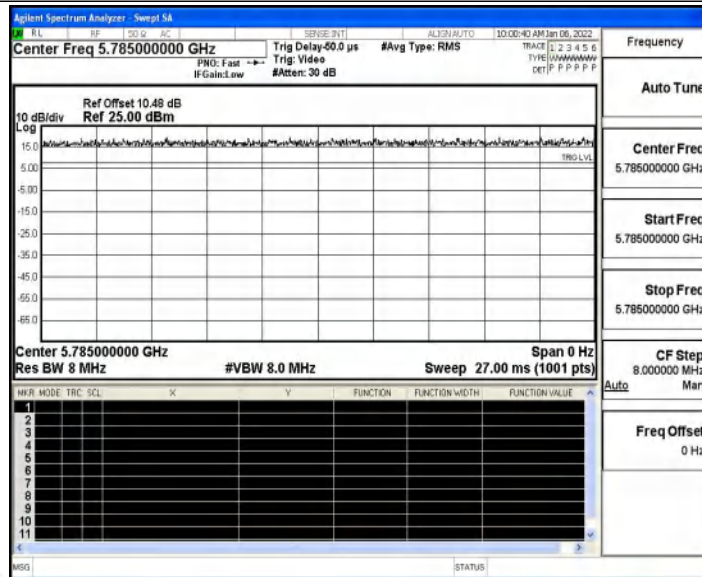
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11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825

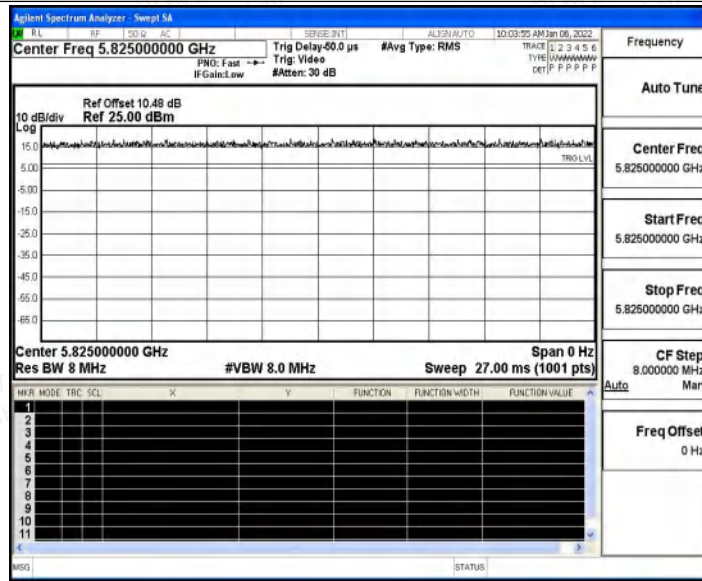


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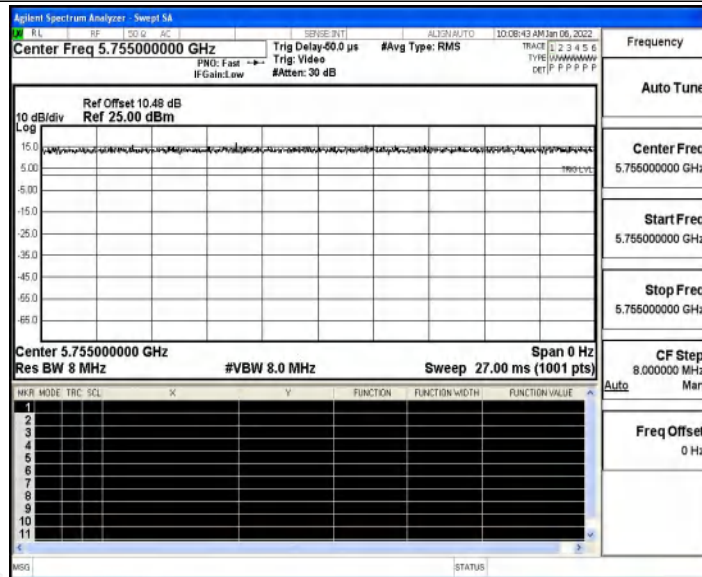
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11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



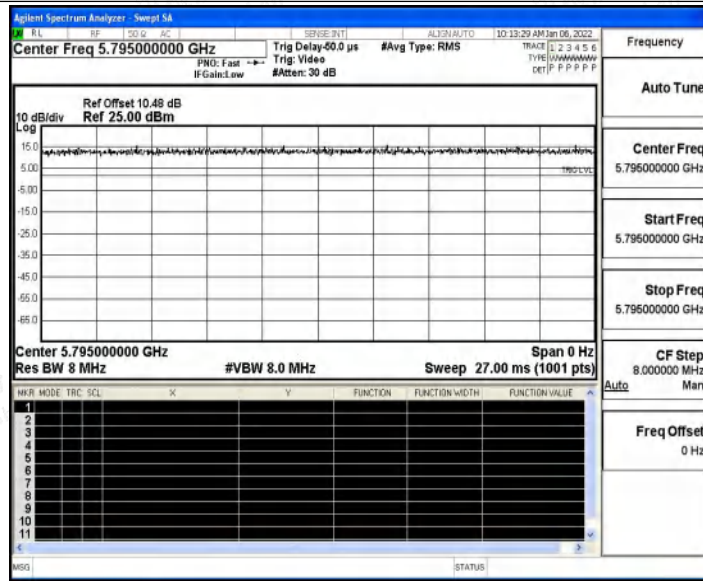
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Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

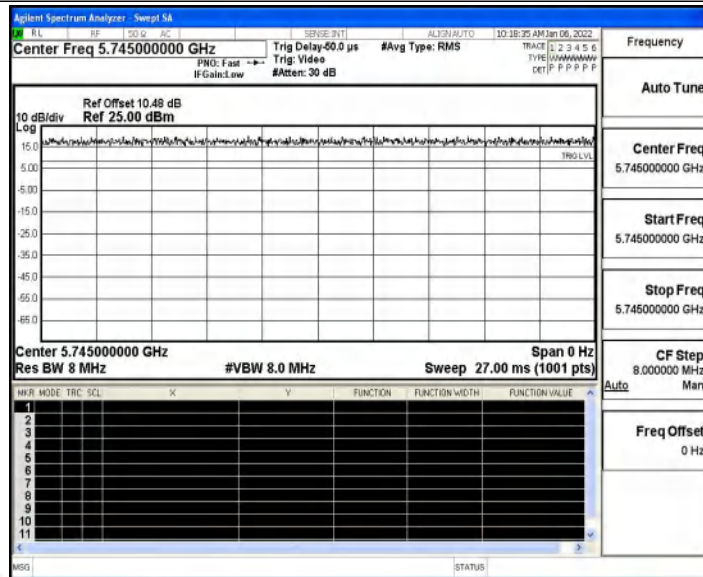
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11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785

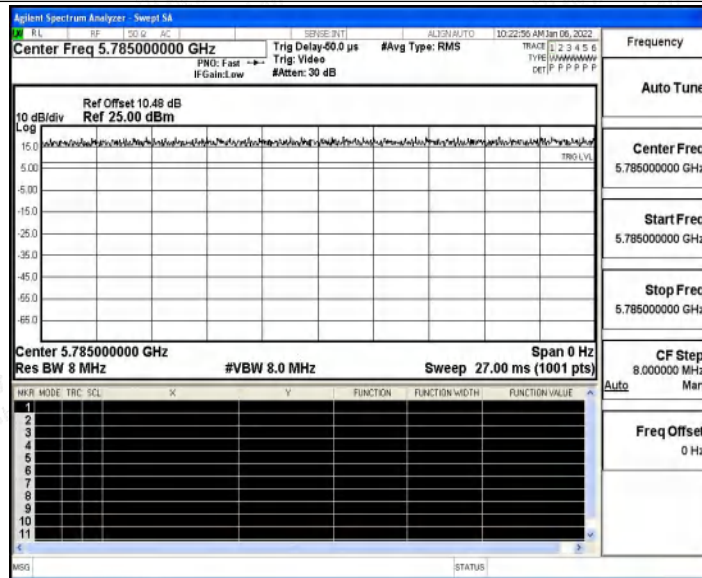


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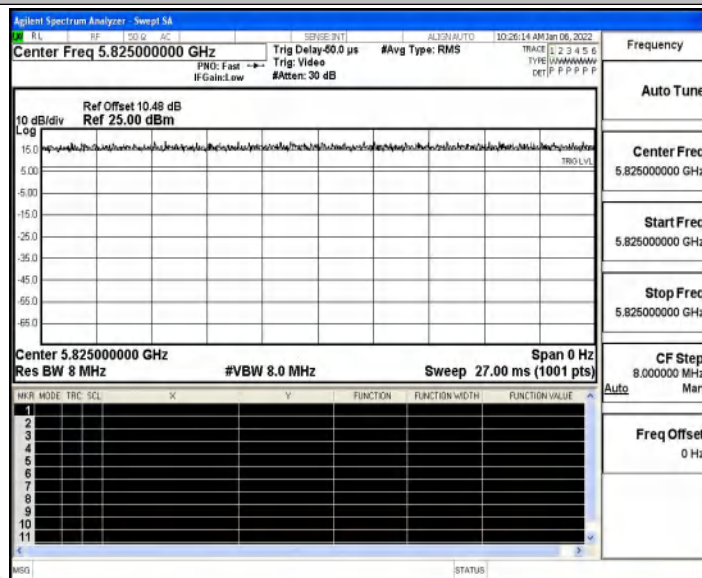
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11AC40SISO\_Ant1\_5755

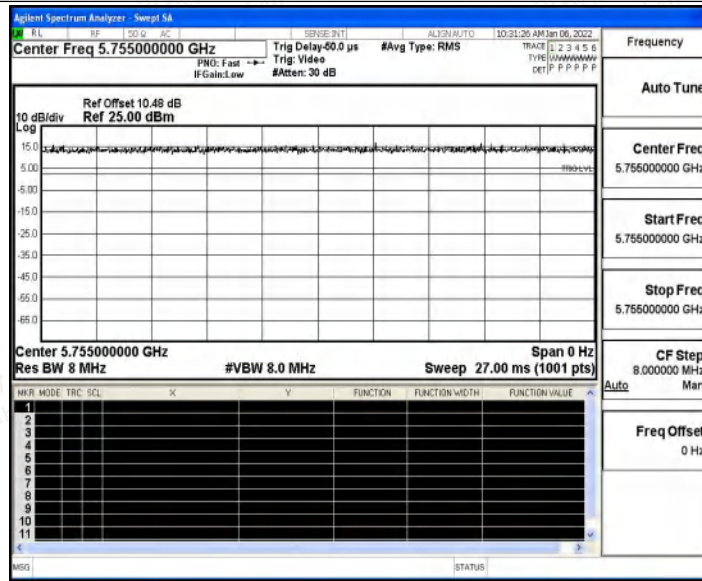


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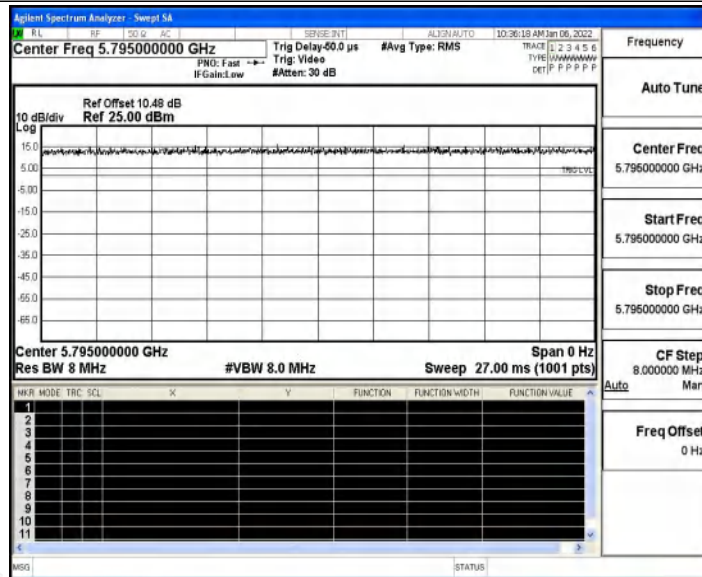
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11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

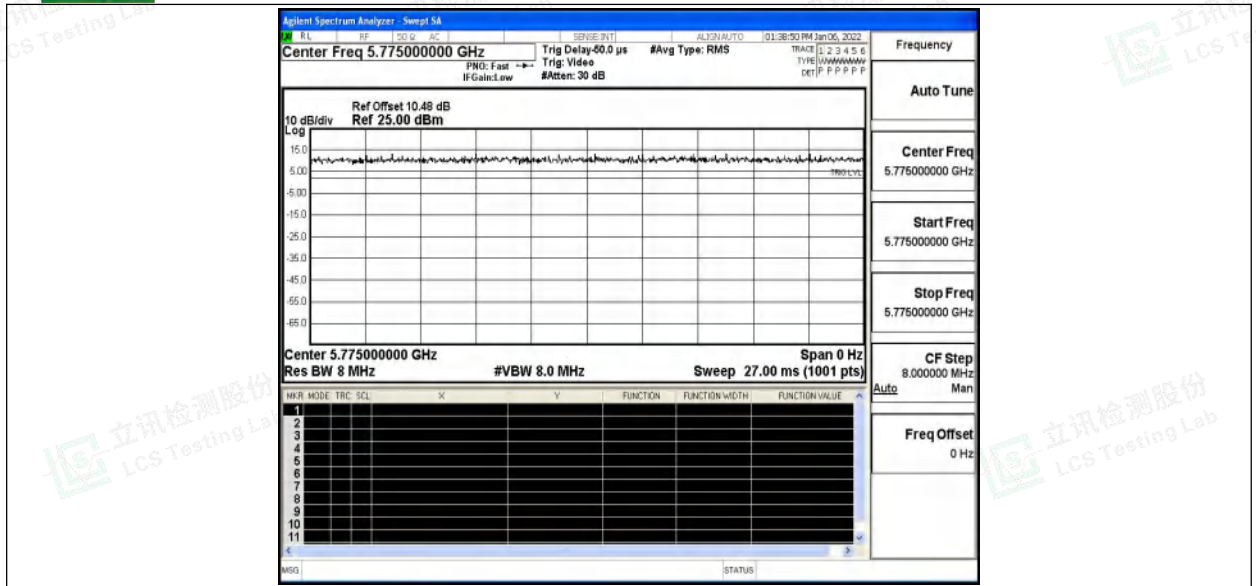


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