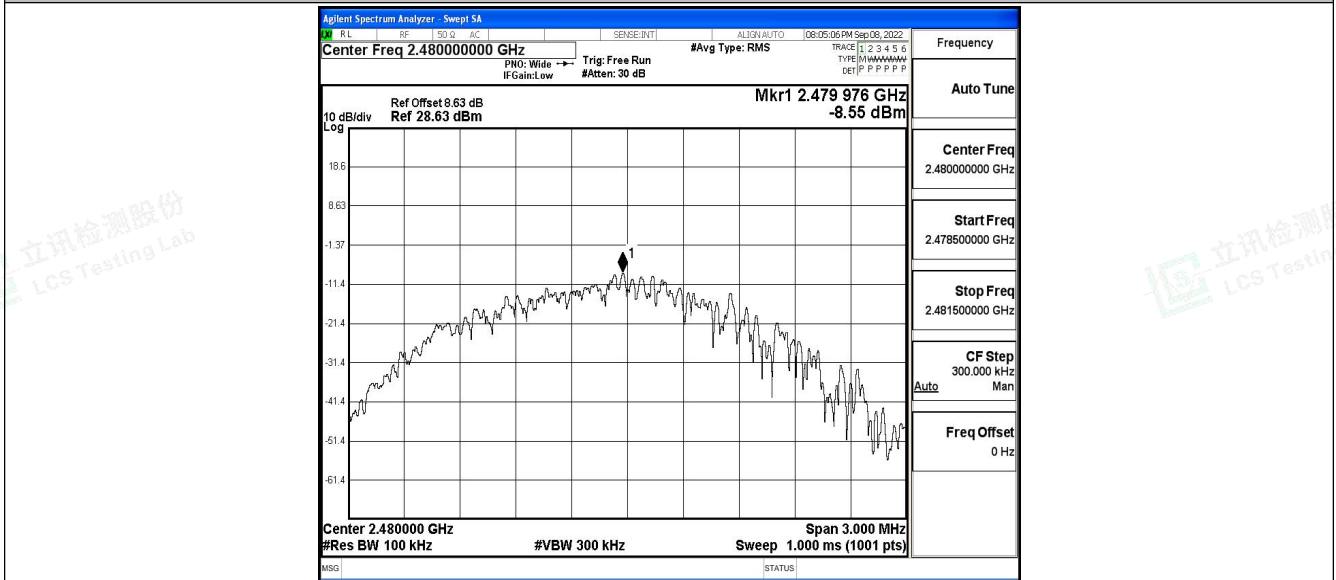
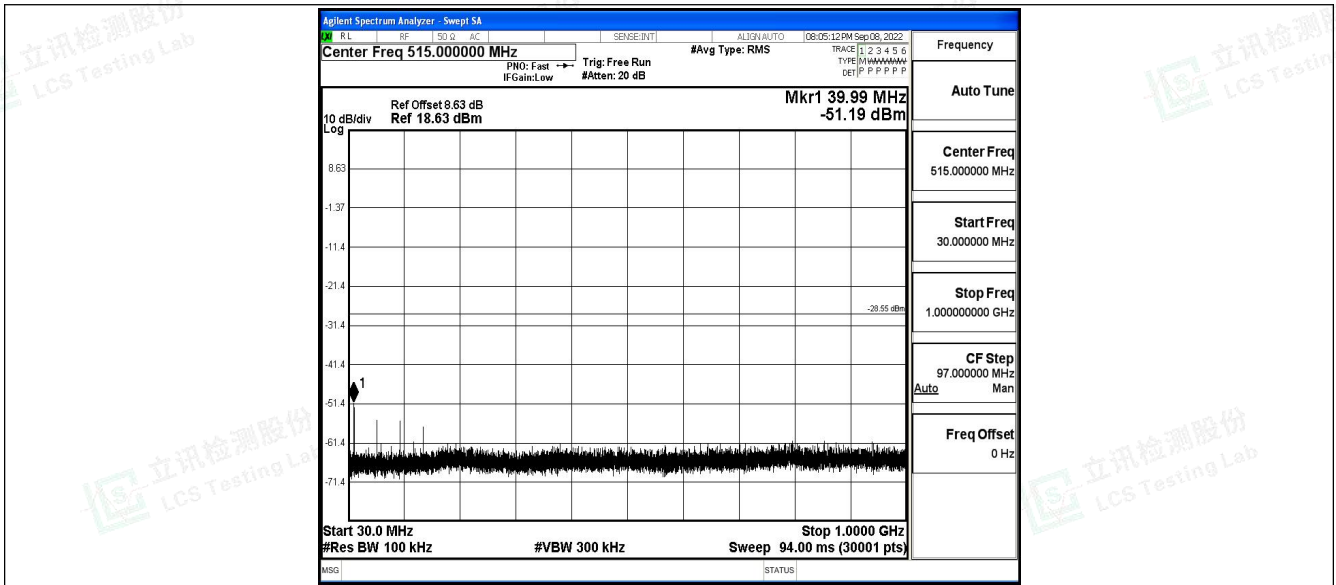


BLE\_2M\_Ant1\_2480\_0~Reference

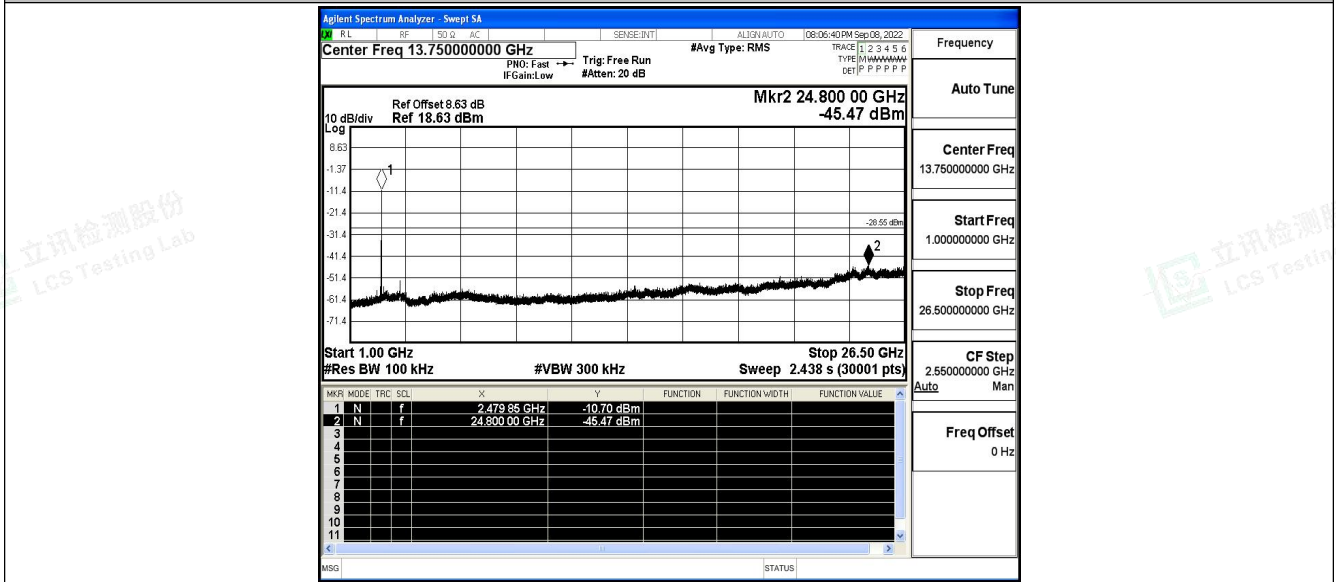


BLE\_2M\_Ant1\_2480\_30~1000





BLE\_2M\_Ant1\_2480\_1000~26500





### A.6 Duty Cycle

#### Test Result

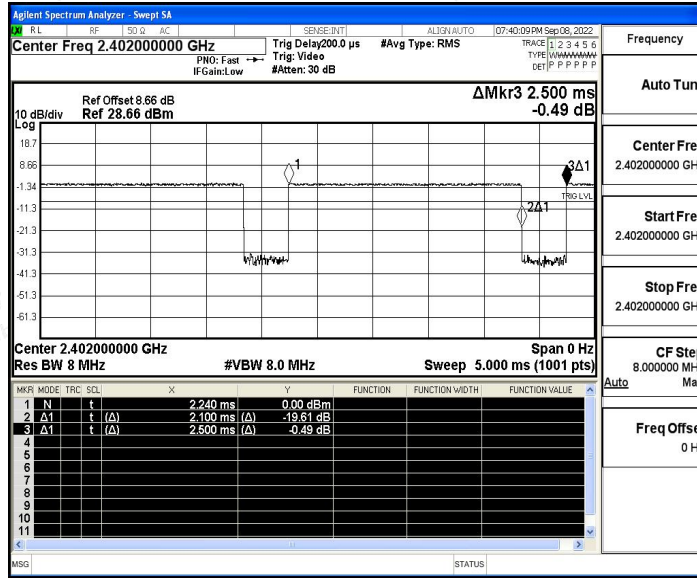
| TestMode | Antenna | Channel | ON Time [ms] | Period [ms] | X      | DC [%] | xFactor | 1/T  | Limit | Verdict |
|----------|---------|---------|--------------|-------------|--------|--------|---------|------|-------|---------|
| BLE_1M   | Ant1    | 2402    | 2.10         | 2.50        | 0.8400 | 84.00  | 0.76    | 0.48 | ---   | ---     |
|          |         | 2440    | 0.38         | 0.63        | 0.6032 | 60.32  | 2.20    | 2.63 | ---   | ---     |
|          |         | 2480    | 0.39         | 0.63        | 0.6190 | 61.90  | 2.08    | 2.56 | ---   | ---     |
| BLE_2M   | Ant1    | 2402    | 1.06         | 1.88        | 0.5638 | 56.38  | 2.49    | 0.94 | ---   | ---     |
|          |         | 2440    | 1.06         | 1.88        | 0.5638 | 56.38  | 2.49    | 0.94 | ---   | ---     |
|          |         | 2480    | 1.06         | 1.88        | 0.5638 | 56.38  | 2.49    | 0.94 | ---   | ---     |



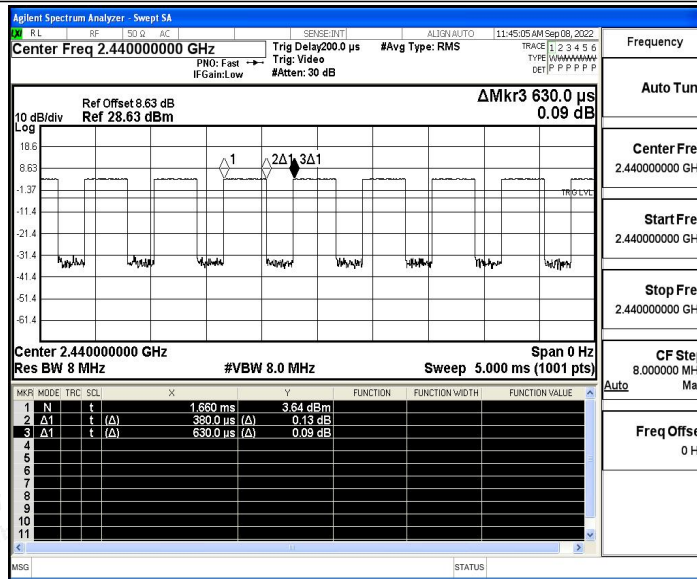


### Test Graphs

BLE\_1M\_Ant1\_2402

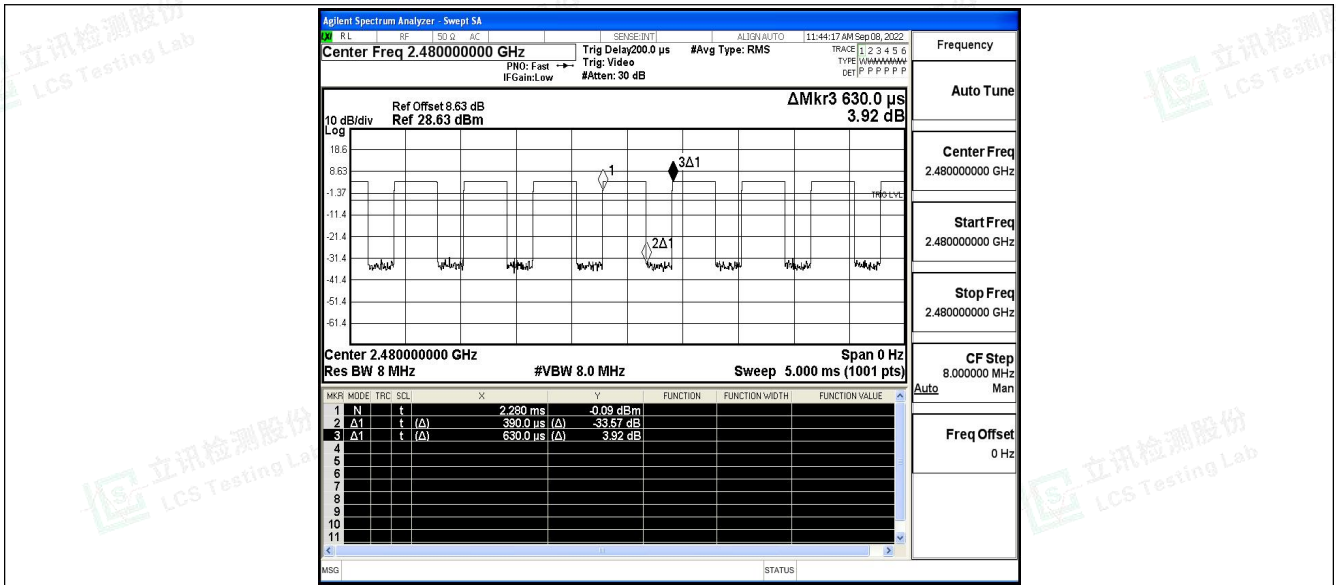


BLE\_1M\_Ant1\_2440

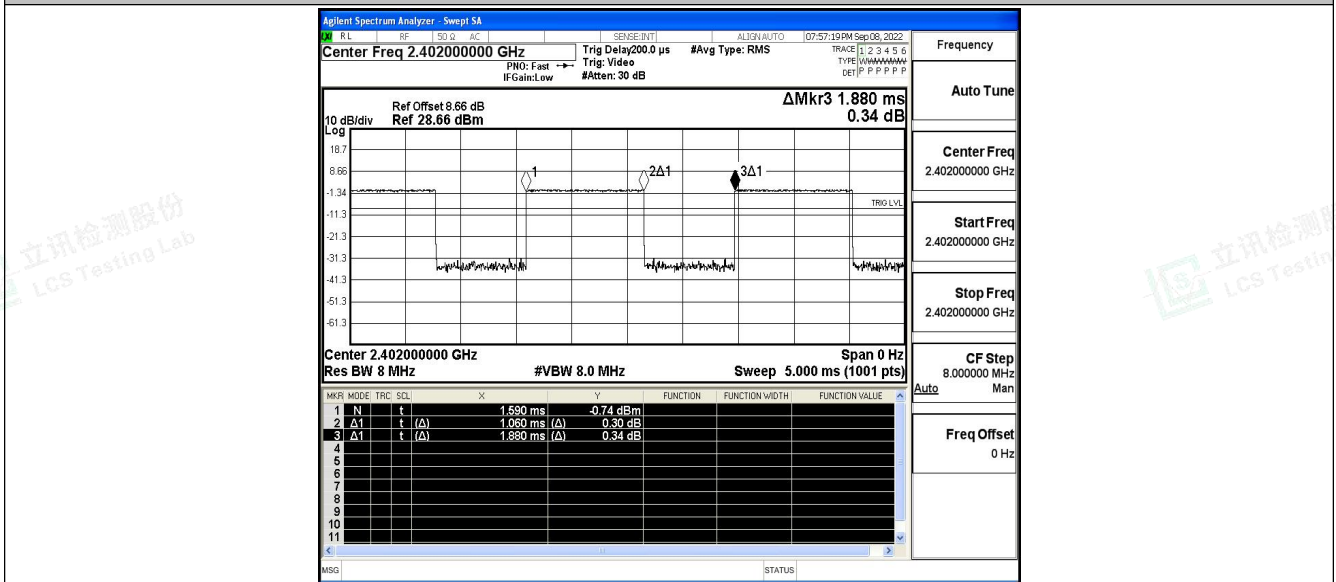


BLE\_1M\_Ant1\_2480



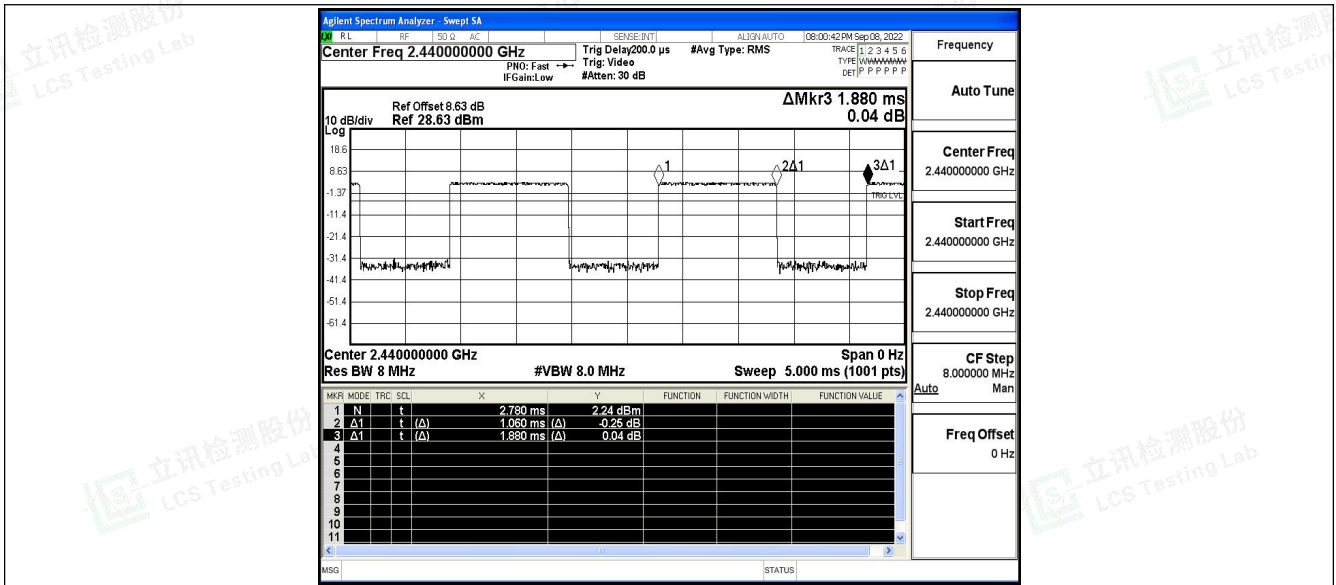


BLE\_2M\_Ant1\_2402

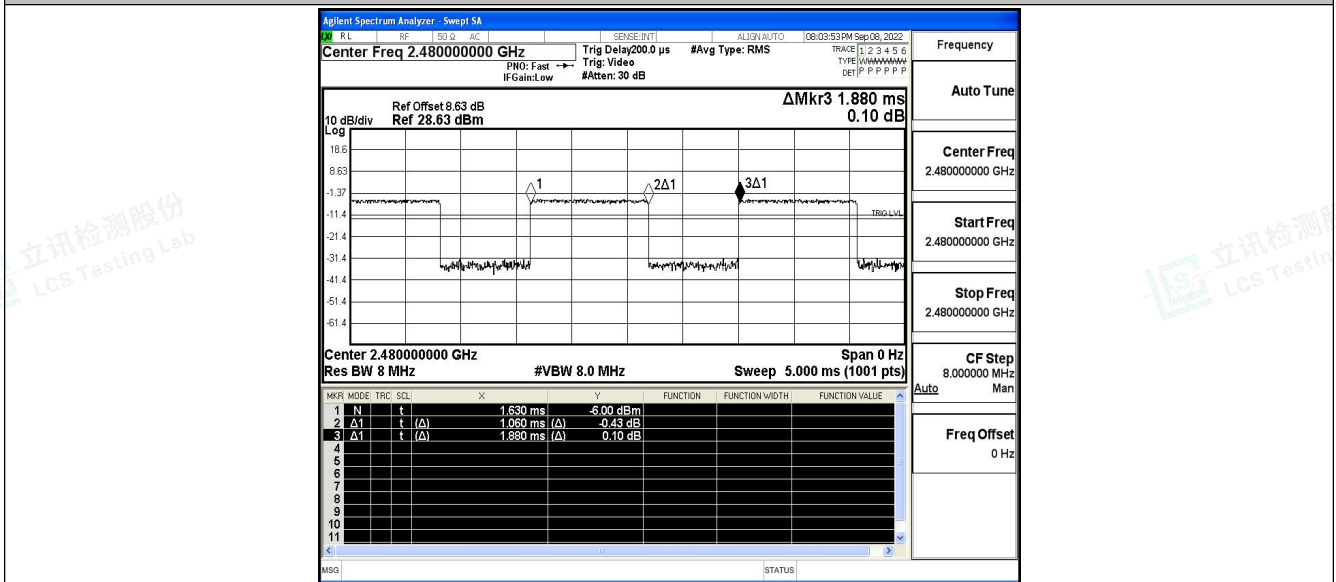


BLE\_2M\_Ant1\_2440





BLE\_2M\_Ant1\_2480





### A.7 Emissions in Restricted Bands

#### Test Result

| TestMode | Antenna | ChName | Channel | Detector | Freq. [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|----------|---------|--------|---------|----------|-------------|--------------|-------------|-----------------|----------------|---------|
| BLE_1M   | Ant1    | Low    | 2402    | AV       | 2310.000    | -57.93       | ≤-41.20     | 37.27           | ≤54            | PASS    |
|          |         |        |         | AV       | 2389.565    | -56.9        | ≤-41.20     | 38.30           | ≤54            | PASS    |
|          |         |        |         | AV       | 2390.000    | -57.13       | ≤-41.20     | 38.07           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2310.000    | -49.95       | ≤-21.20     | 45.25           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2311.025    | -47.29       | ≤-21.20     | 47.91           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2390.000    | -50.34       | ≤-21.20     | 44.86           | ≤74            | PASS    |
|          |         | High   | 2480    | AV       | 2483.500    | -50.65       | ≤-41.20     | 44.55           | ≤54            | PASS    |
|          |         |        |         | AV       | 2483.520    | -50.65       | ≤-41.20     | 44.55           | ≤54            | PASS    |
|          |         |        |         | AV       | 2500.000    | -56.34       | ≤-41.20     | 38.86           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2483.500    | -49.31       | ≤-21.20     | 45.89           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2487.760    | -47.72       | ≤-21.20     | 47.48           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2500.000    | -49.35       | ≤-21.20     | 45.85           | ≤74            | PASS    |
| BLE_2M   | Ant1    | Low    | 2402    | AV       | 2310.000    | -57.76       | ≤-41.20     | 37.44           | ≤54            | PASS    |
|          |         |        |         | AV       | 2389.565    | -56.87       | ≤-41.20     | 38.33           | ≤54            | PASS    |
|          |         |        |         | AV       | 2390.000    | -56.88       | ≤-41.20     | 38.32           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2310.000    | -50.07       | ≤-21.20     | 45.13           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2387.255    | -47.9        | ≤-21.20     | 47.30           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2390.000    | -50.49       | ≤-21.20     | 44.71           | ≤74            | PASS    |
|          |         | High   | 2480    | AV       | 2483.500    | -52.99       | ≤-41.20     | 42.21           | ≤54            | PASS    |
|          |         |        |         | AV       | 2483.520    | -52.99       | ≤-41.20     | 42.21           | ≤54            | PASS    |
|          |         |        |         | AV       | 2500.000    | -56.53       | ≤-41.20     | 38.67           | ≤54            | PASS    |
|          |         |        |         | Peak     | 2483.500    | -47.47       | ≤-21.20     | 47.73           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2483.760    | -44.99       | ≤-21.20     | 50.21           | ≤74            | PASS    |
|          |         |        |         | Peak     | 2500.000    | -49.84       | ≤-21.20     | 45.36           | ≤74            | PASS    |

Note:

- The Antenna Gain is compensated in the graph.
- 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.

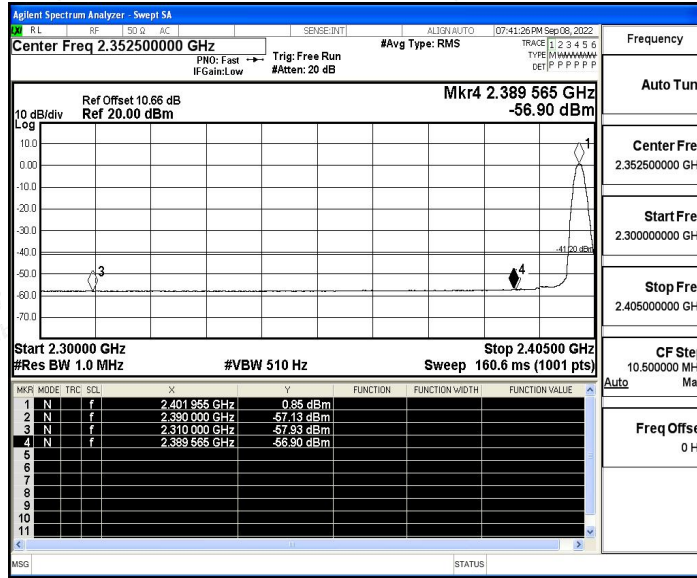


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

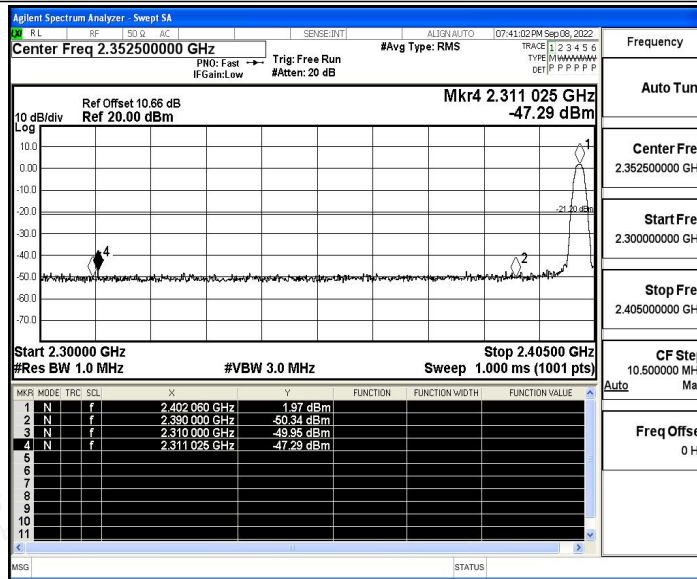


### Test Graphs

#### BLE\_1M\_Ant1\_Low\_2402\_AV



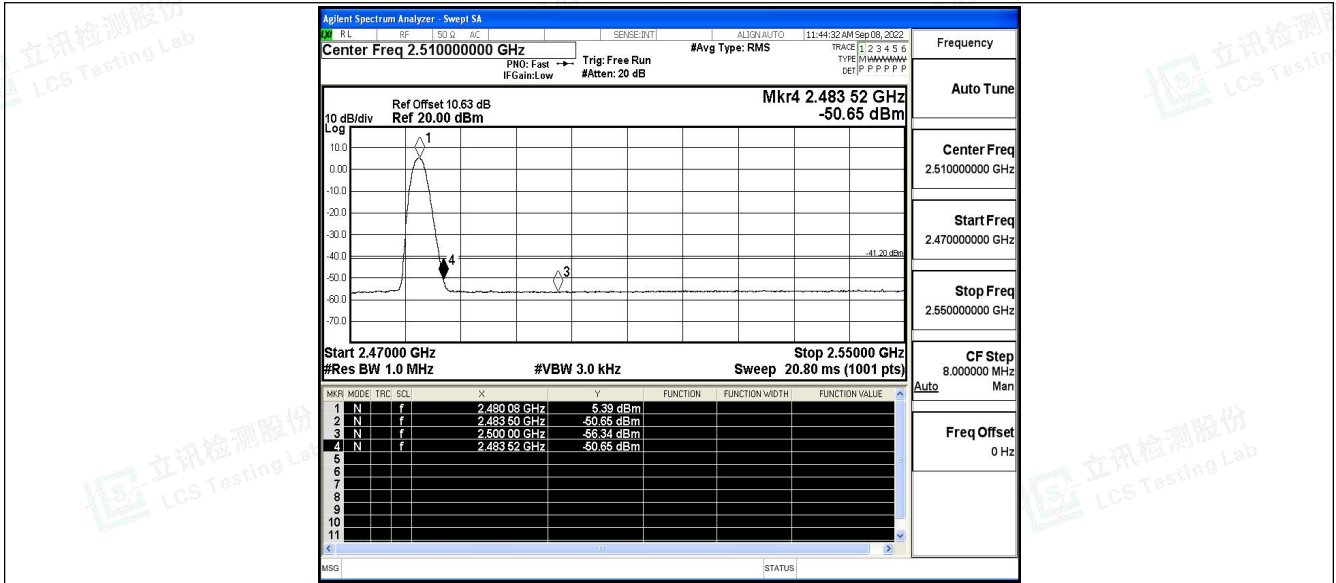
#### BLE\_1M\_Ant1\_Low\_2402\_Peak



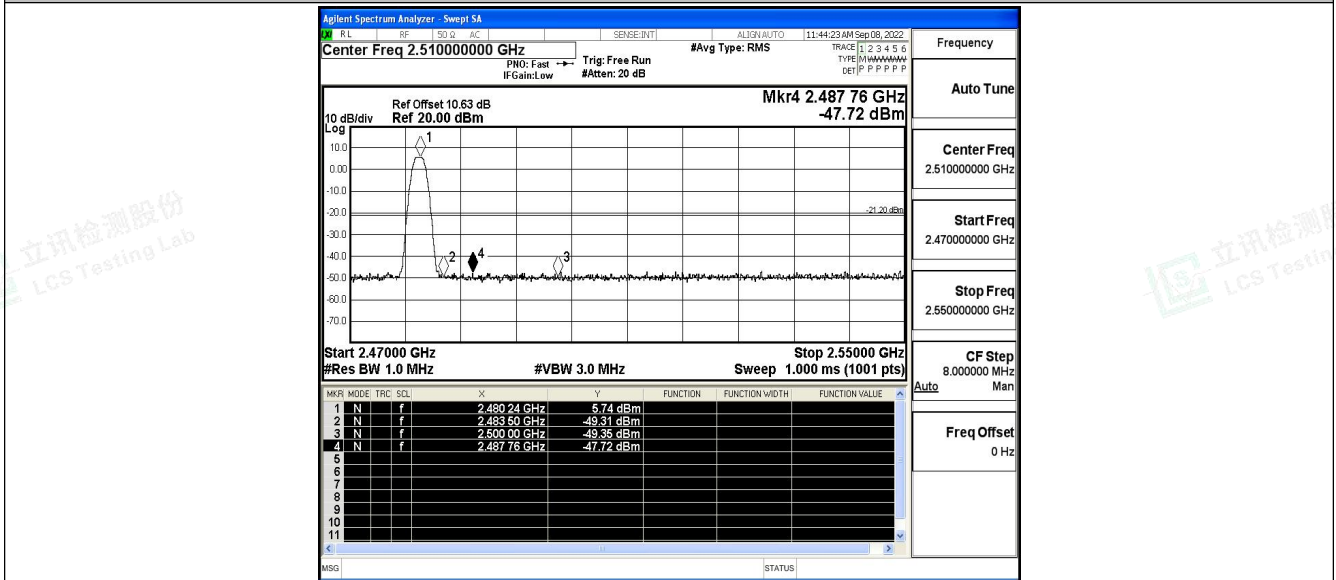
#### BLE\_1M\_Ant1\_High\_2480\_AV





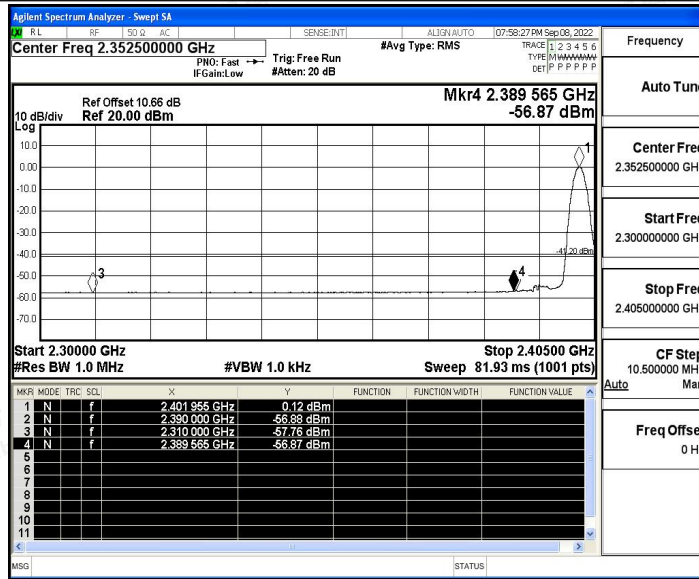


BLE\_1M\_Ant1\_High\_2480\_Peak

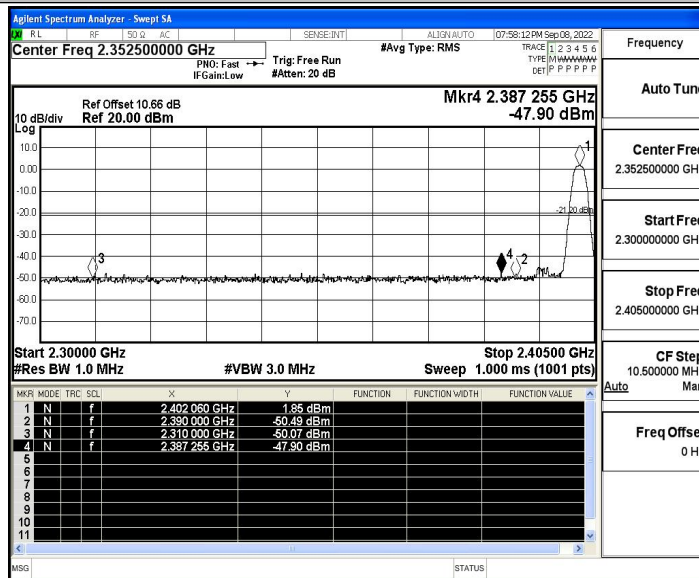


BLE\_2M\_Ant1\_Low\_2402\_AV



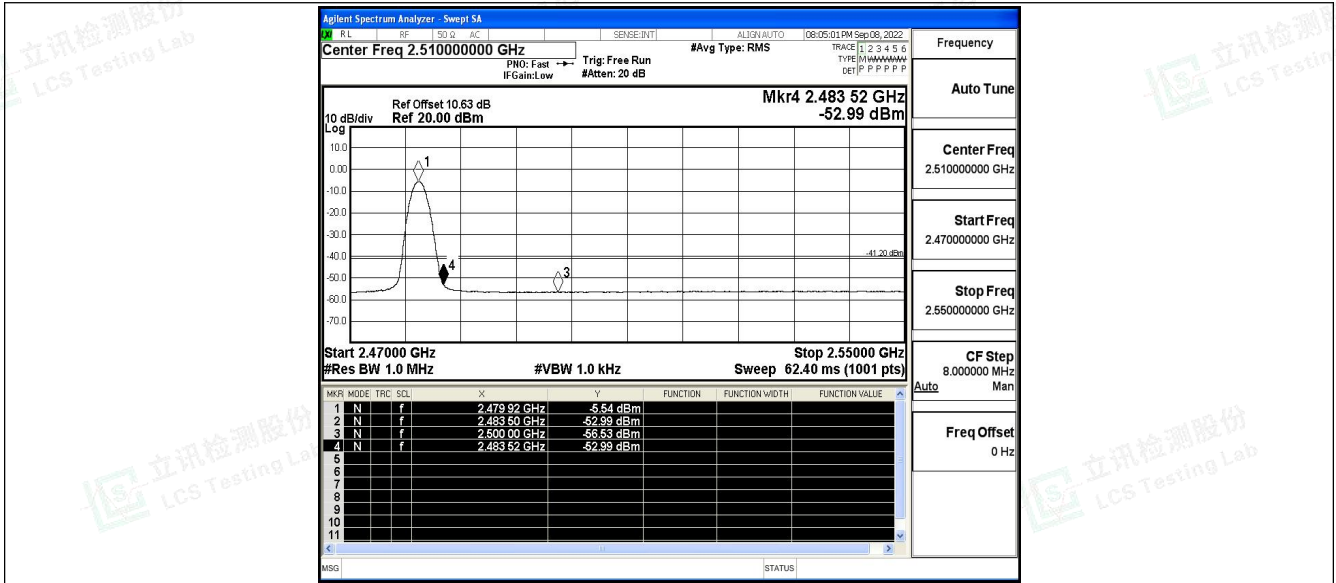


BLE\_2M\_Ant1\_Low\_2402\_Peak



BLE\_2M\_Ant1\_High\_2480\_AV





BLE\_2M\_Ant1\_High\_2480\_Peak

