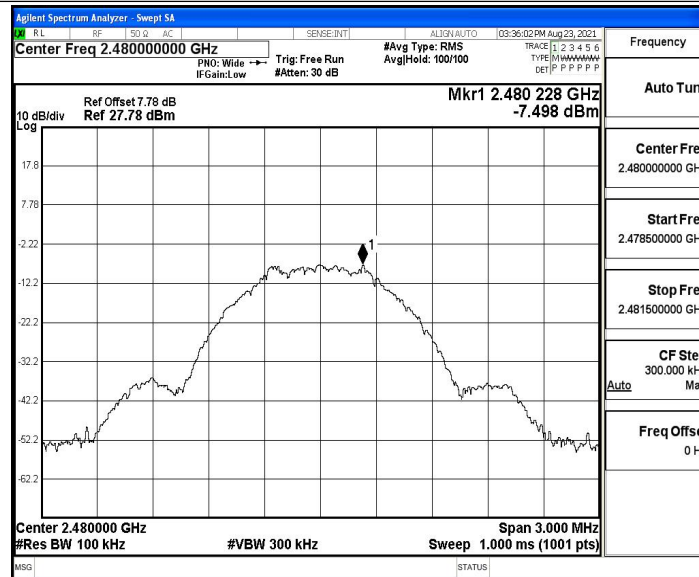
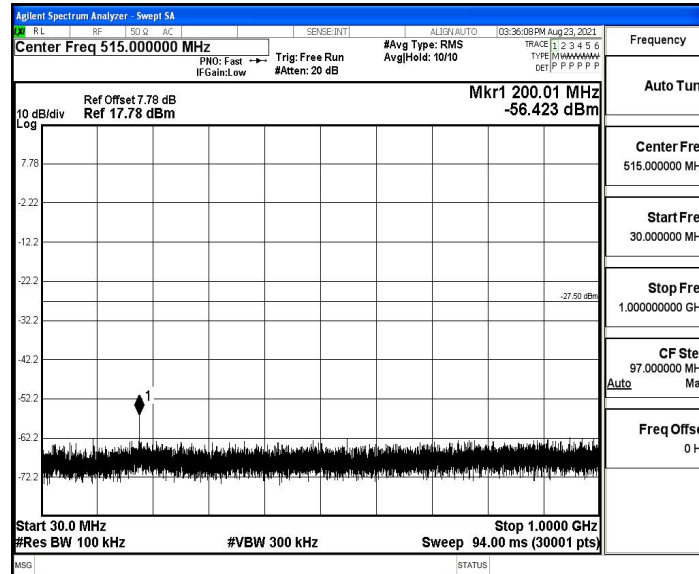
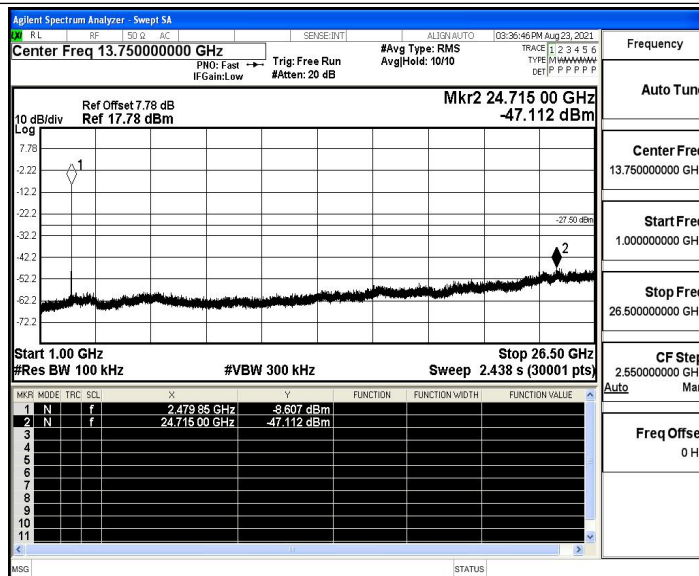




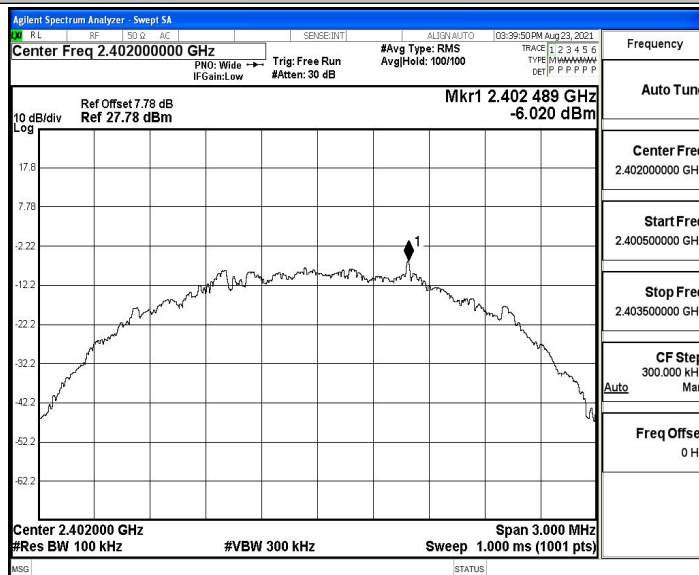
BLE\_1M\_Ant1\_2480\_30~1000



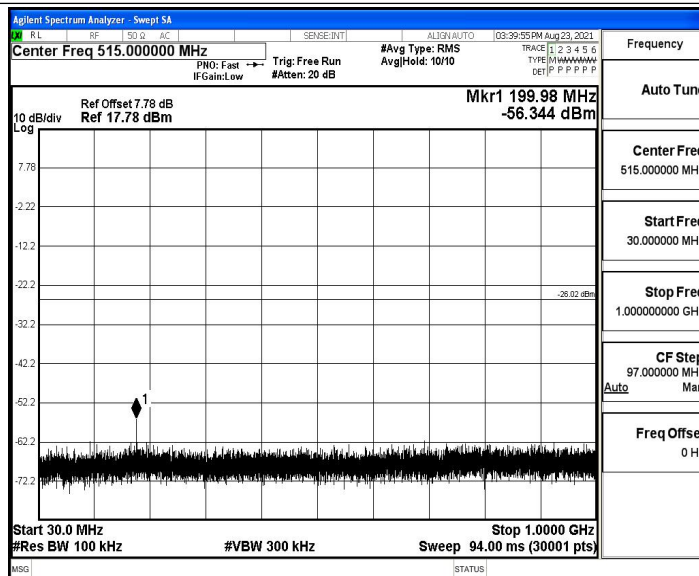
BLE\_1M\_Ant1\_2480\_1000~26500



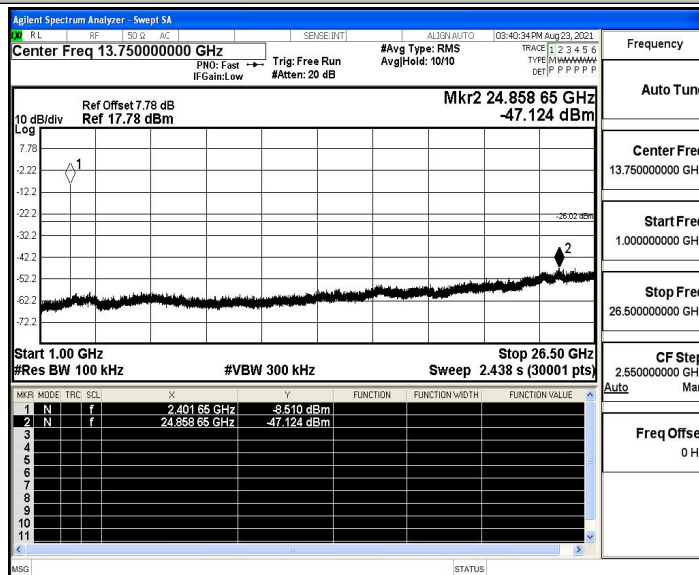
BLE\_2M\_Ant1\_2402\_0~Reference



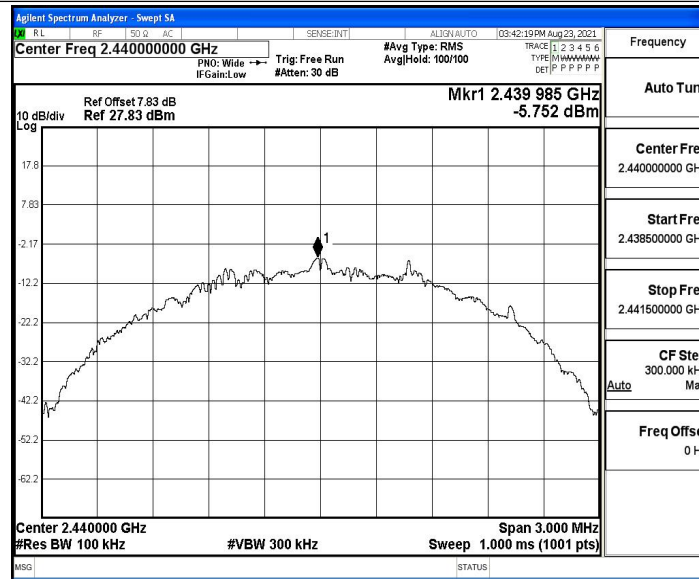
BLE\_2M\_Ant1\_2402\_30~1000



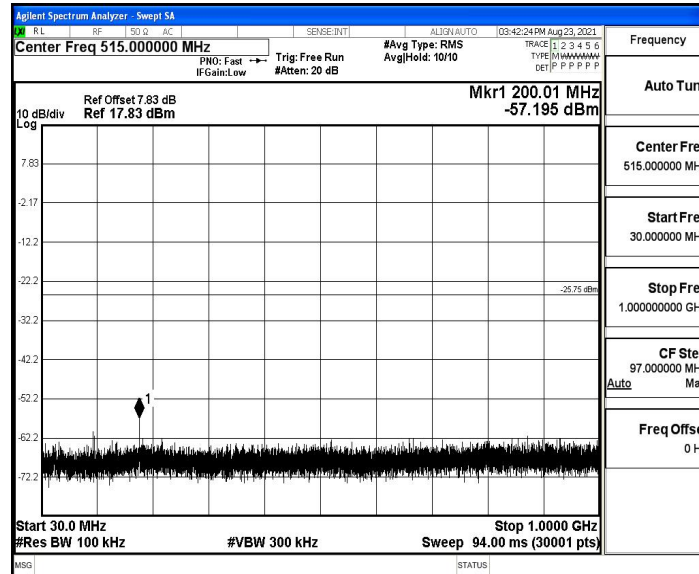
BLE\_2M\_Ant1\_2402\_1000~26500



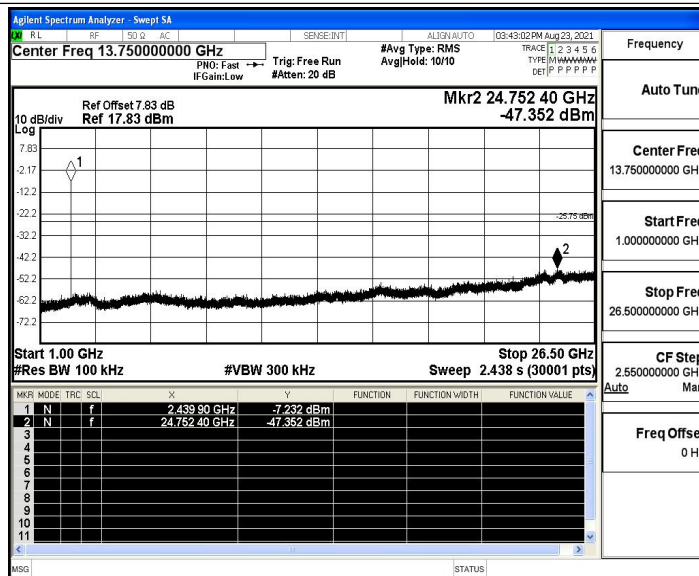
BLE\_2M\_Ant1\_2440\_0~Reference



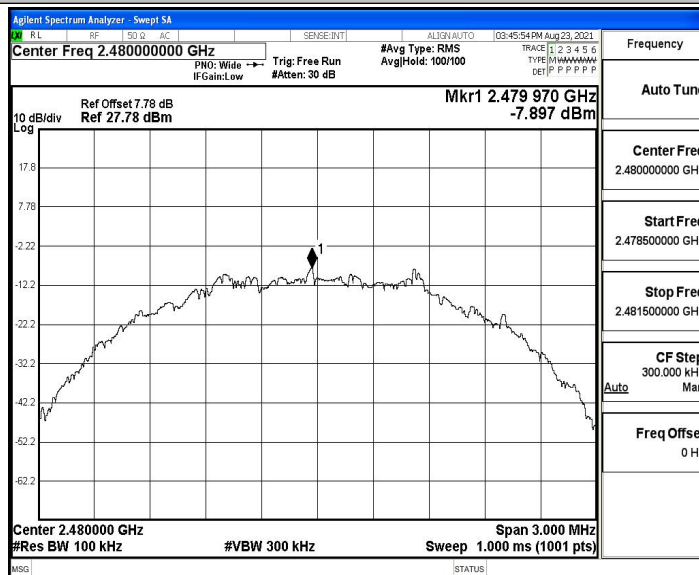
BLE\_2M\_Ant1\_2440\_30~1000



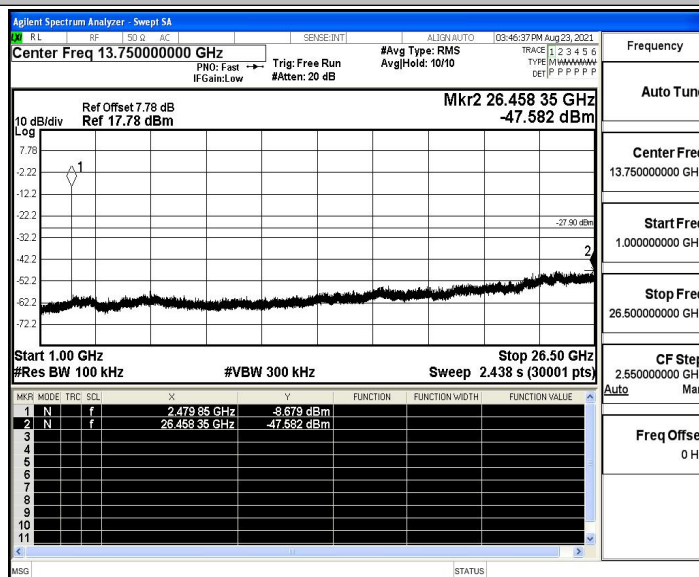
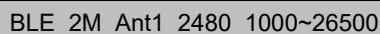
BLE\_2M\_Ant1\_2440\_1000~26500



BLE\_2M\_Ant1\_2480\_0~Reference



BLE\_2M\_Ant1\_2480\_30~1000



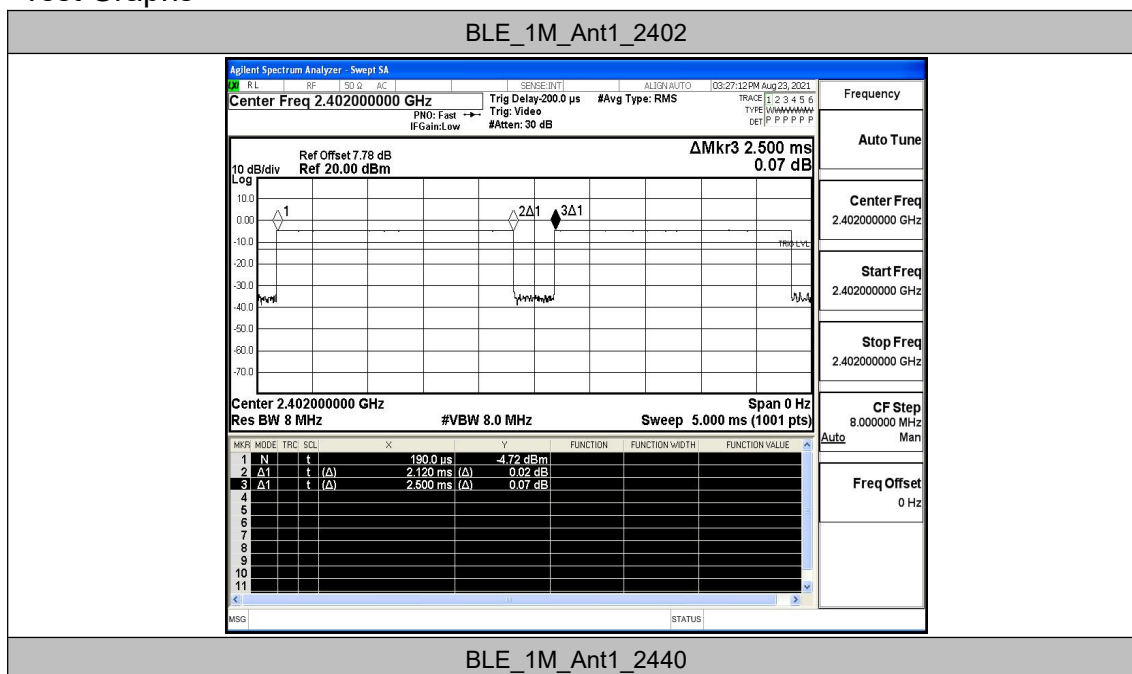


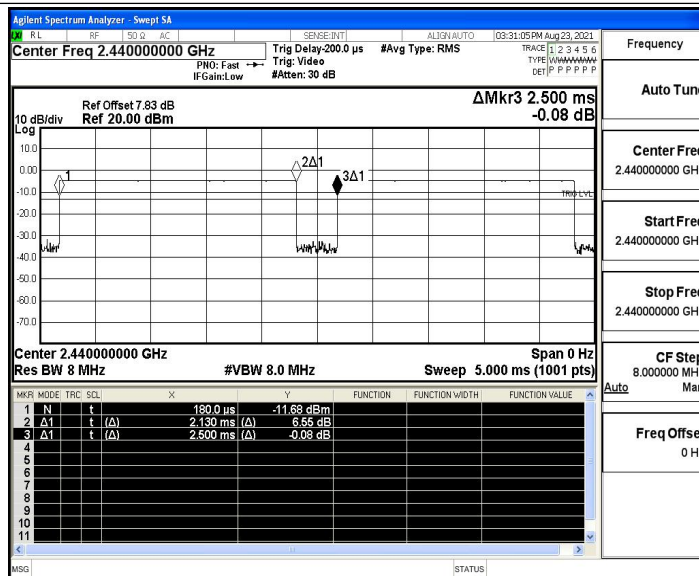
## B.6 Duty Cycle

### Test Result

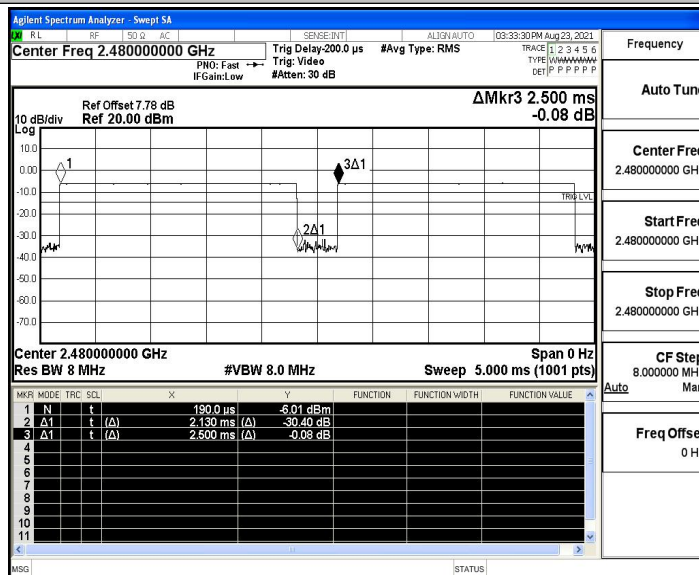
| TestMode | Antenna | Channel | ON Time [ms] | Period [ms] | X      | DC [%] | xFactor | Limit | Verdict |
|----------|---------|---------|--------------|-------------|--------|--------|---------|-------|---------|
| BLE_1M   | Ant1    | 2402    | 2.12         | 2.50        | 0.8480 | 84.80  | 0.72    | ---   | PASS    |
|          |         | 2440    | 2.13         | 2.50        | 0.8520 | 85.20  | 0.70    | ---   | PASS    |
|          |         | 2480    | 2.13         | 2.50        | 0.8520 | 85.20  | 0.70    | ---   | PASS    |
| BLE_2M   | Ant1    | 2402    | 1.07         | 1.87        | 0.5722 | 57.22  | 2.42    | ---   | PASS    |
|          |         | 2440    | 1.07         | 1.88        | 0.5691 | 56.91  | 2.45    | ---   | PASS    |
|          |         | 2480    | 1.07         | 1.88        | 0.5691 | 56.91  | 2.45    | ---   | PASS    |

### Test Graphs

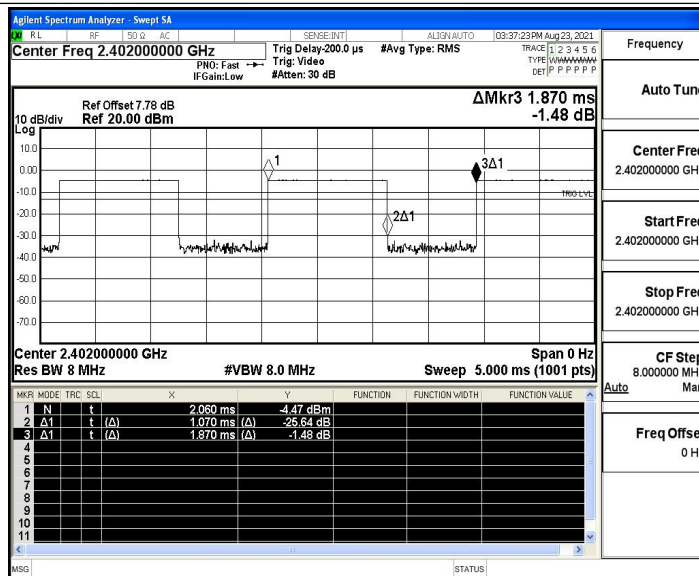




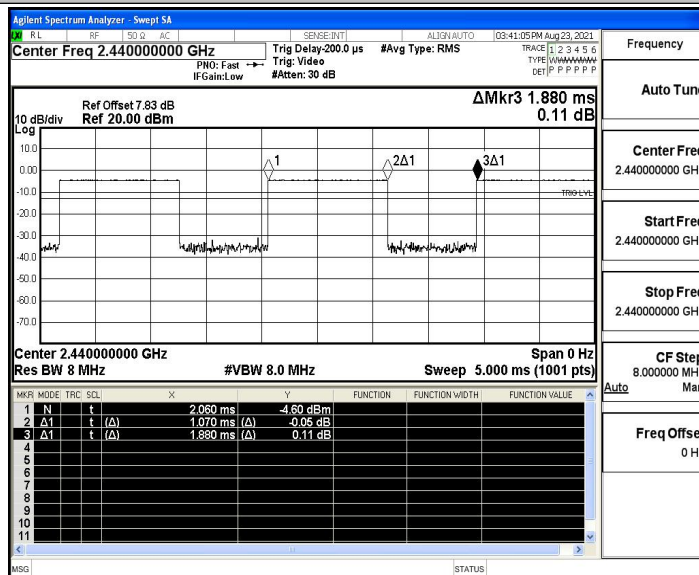
BLE\_1M\_Ant1\_2480



BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



BLE\_2M\_Ant1\_2480





## B.7 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 |
|----------|---------|--------|---------|----------|----------------|-----------------|----------------|--------------------|-------------------|---------|
| BLE_1M   | Ant1    | Low    | 2402    | AV       | 2310.000       | -49             | ≤-41.20        | 46.20              | ≤54               | PASS    |
|          |         |        |         | AV       | 2381.690       | -48.46          | ≤-41.20        | 46.74              | ≤54               | PASS    |
|          |         |        |         | AV       | 2390.000       | -48.63          | ≤-41.20        | 46.57              | ≤54               | PASS    |
|          |         |        |         | Peak     | 2310.000       | -41.59          | ≤-21.20        | 53.61              | ≤74               | PASS    |
|          |         |        |         | Peak     | 2387.780       | -39.03          | ≤-21.20        | 56.17              | ≤74               | PASS    |
|          |         |        |         | Peak     | 2390.000       | -41.08          | ≤-21.20        | 54.12              | ≤74               | PASS    |
|          |         | High   | 2480    | AV       | 2483.500       | -48.08          | ≤-41.20        | 47.12              | ≤54               | PASS    |
|          |         |        |         | AV       | 2494.320       | -47.88          | ≤-41.20        | 47.32              | ≤54               | PASS    |
|          |         |        |         | AV       | 2500.000       | -48.08          | ≤-41.20        | 47.12              | ≤54               | PASS    |
|          |         |        |         | Peak     | 2483.500       | -41.66          | ≤-21.20        | 53.54              | ≤74               | PASS    |
|          |         |        |         | Peak     | 2490.320       | -38.7           | ≤-21.20        | 56.50              | ≤74               | PASS    |
|          |         |        |         | Peak     | 2500.000       | -41.78          | ≤-21.20        | 53.42              | ≤74               | PASS    |
| BLE_2M   | Ant1    | Low    | 2402    | AV       | 2310.000       | -48.73          | ≤-41.20        | 46.47              | ≤54               | PASS    |
|          |         |        |         | AV       | 2383.160       | -48.21          | ≤-41.20        | 46.99              | ≤54               | PASS    |
|          |         |        |         | AV       | 2390.000       | -48.3           | ≤-41.20        | 46.90              | ≤54               | PASS    |
|          |         |        |         | Peak     | 2310.000       | -42.2           | ≤-21.20        | 53.00              | ≤74               | PASS    |
|          |         |        |         | Peak     | 2337.275       | -39.05          | ≤-21.20        | 56.15              | ≤74               | PASS    |
|          |         |        |         | Peak     | 2390.000       | -43.13          | ≤-21.20        | 52.07              | ≤74               | PASS    |
|          |         | High   | 2480    | AV       | 2483.500       | -47.56          | ≤-41.20        | 47.64              | ≤54               | PASS    |
|          |         |        |         | AV       | 2483.520       | -47.56          | ≤-41.20        | 47.64              | ≤54               | PASS    |
|          |         |        |         | AV       | 2500.000       | -47.66          | ≤-41.20        | 47.54              | ≤54               | PASS    |
|          |         |        |         | Peak     | 2483.500       | -39.72          | ≤-21.20        | 55.48              | ≤74               | PASS    |
|          |         |        |         | Peak     | 2496.400       | -38.5           | ≤-21.20        | 56.70              | ≤74               | PASS    |
|          |         |        |         | Peak     | 2500.000       | -40.98          | ≤-21.20        | 54.22              | ≤74               | PASS    |

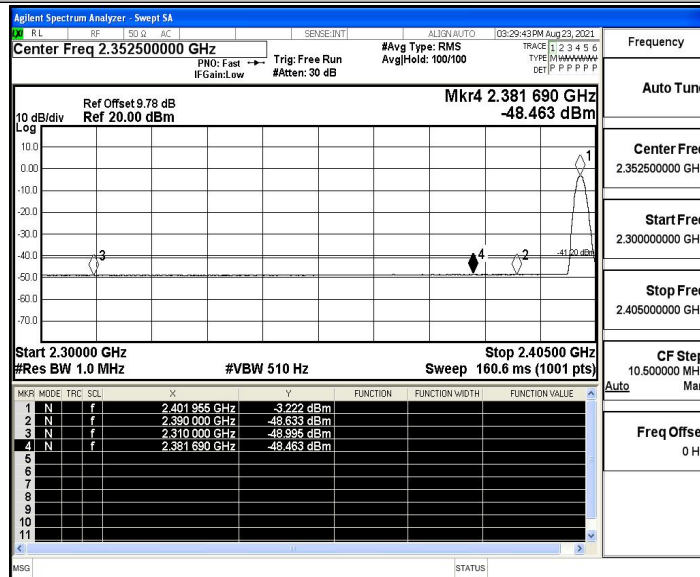
Note:

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

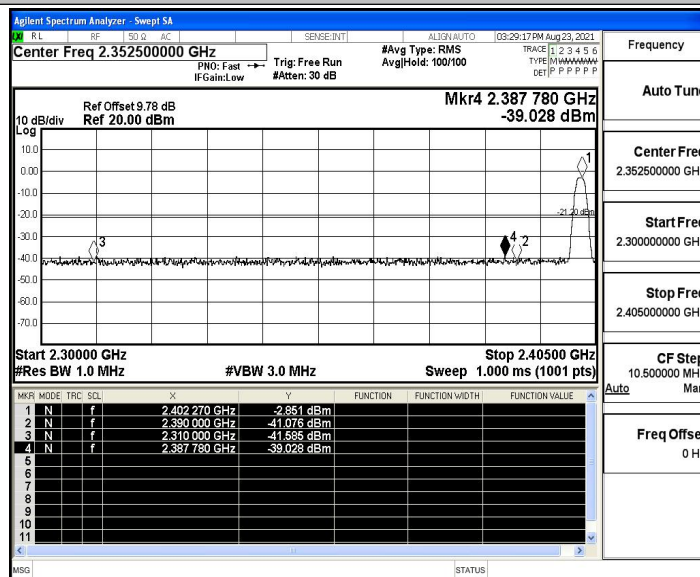


## Test Graphs

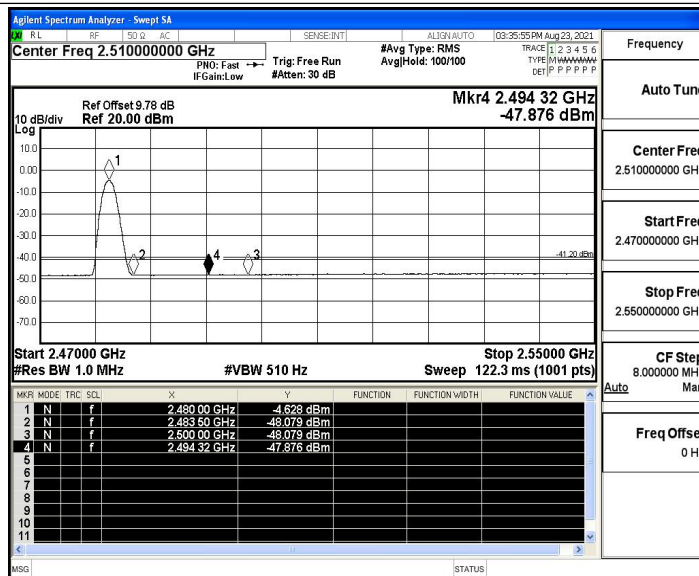
BLE\_1M\_Ant1\_Low\_2402\_AV



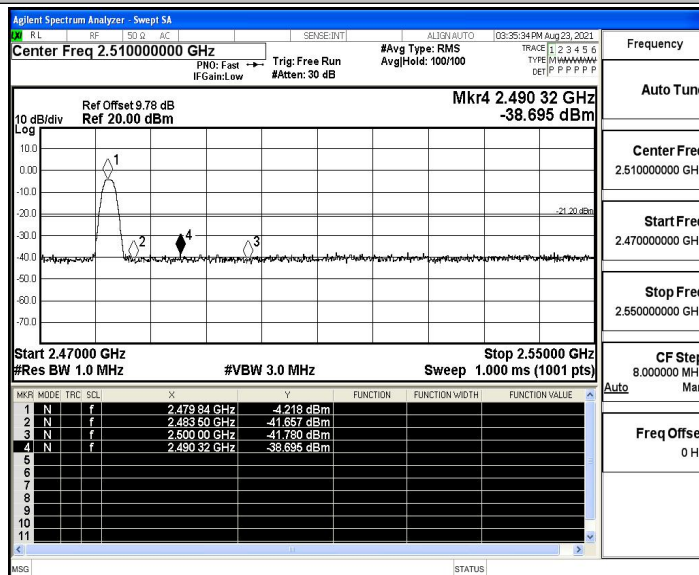
BLE\_1M\_Ant1\_Low\_2402\_Peak



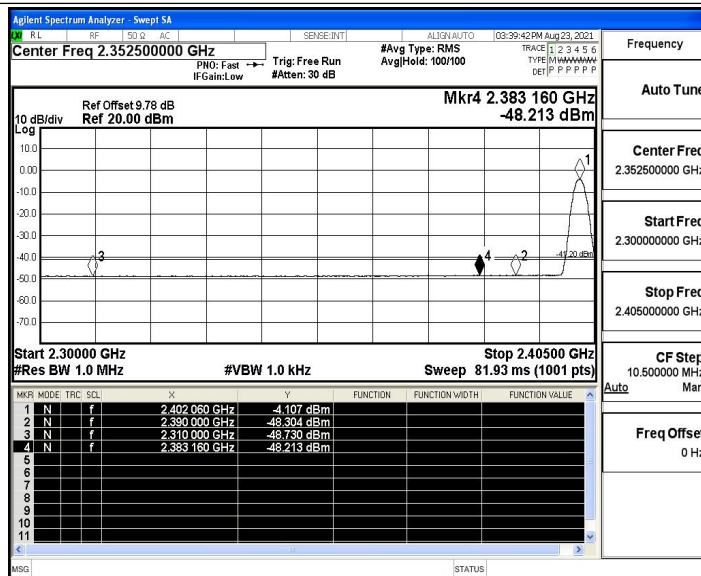
BLE\_1M\_Ant1\_High\_2480\_AV



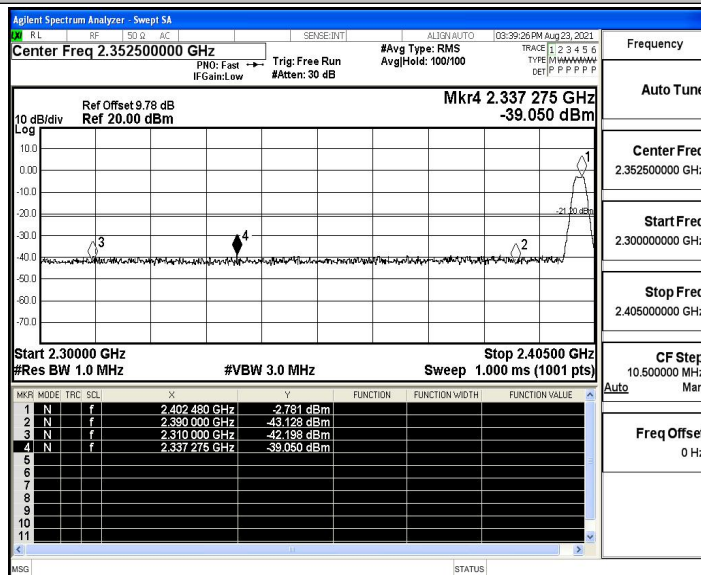
BLE\_1M\_Ant1\_High\_2480\_Peak



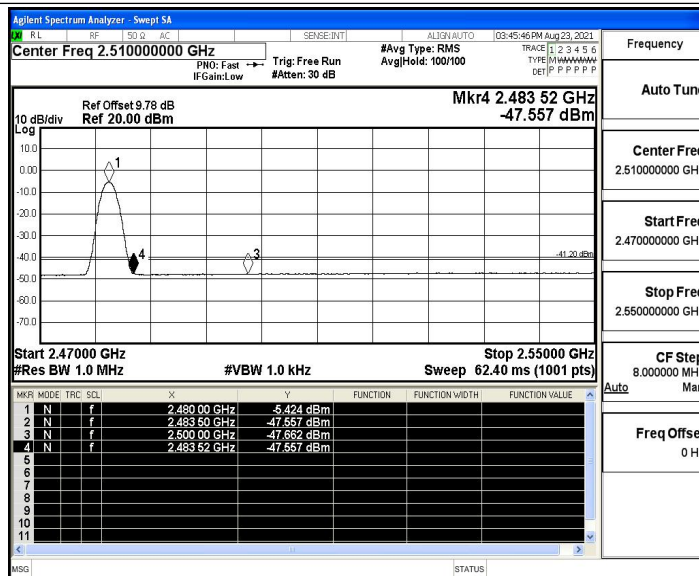
BLE\_2M\_Ant1\_Low\_2402\_AV



BLE\_2M\_Ant1\_Low\_2402\_Peak



BLE\_2M\_Ant1\_High\_2480\_AV



## BLE\_2M\_Ant1\_High\_2480\_Peak

