

## Appendix A: DTS Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.676        | 2401.680 | 2402.356 | 0.5        | PASS    |
|          |         | 2440           | 0.668        | 2439.680 | 2440.348 | 0.5        | PASS    |
|          |         | 2480           | 0.688        | 2479.676 | 2480.364 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2402           | 1.100        | 2401.456 | 2402.556 | 0.5        | PASS    |
|          |         | 2440           | 1.256        | 2439.360 | 2440.616 | 0.5        | PASS    |
|          |         | 2480           | 1.100        | 2479.464 | 2480.564 | 0.5        | PASS    |

## Test Graphs




**BLE\_2M-Ant1-2402-PASS**

**BLE\_2M-Ant1-2440-PASS**

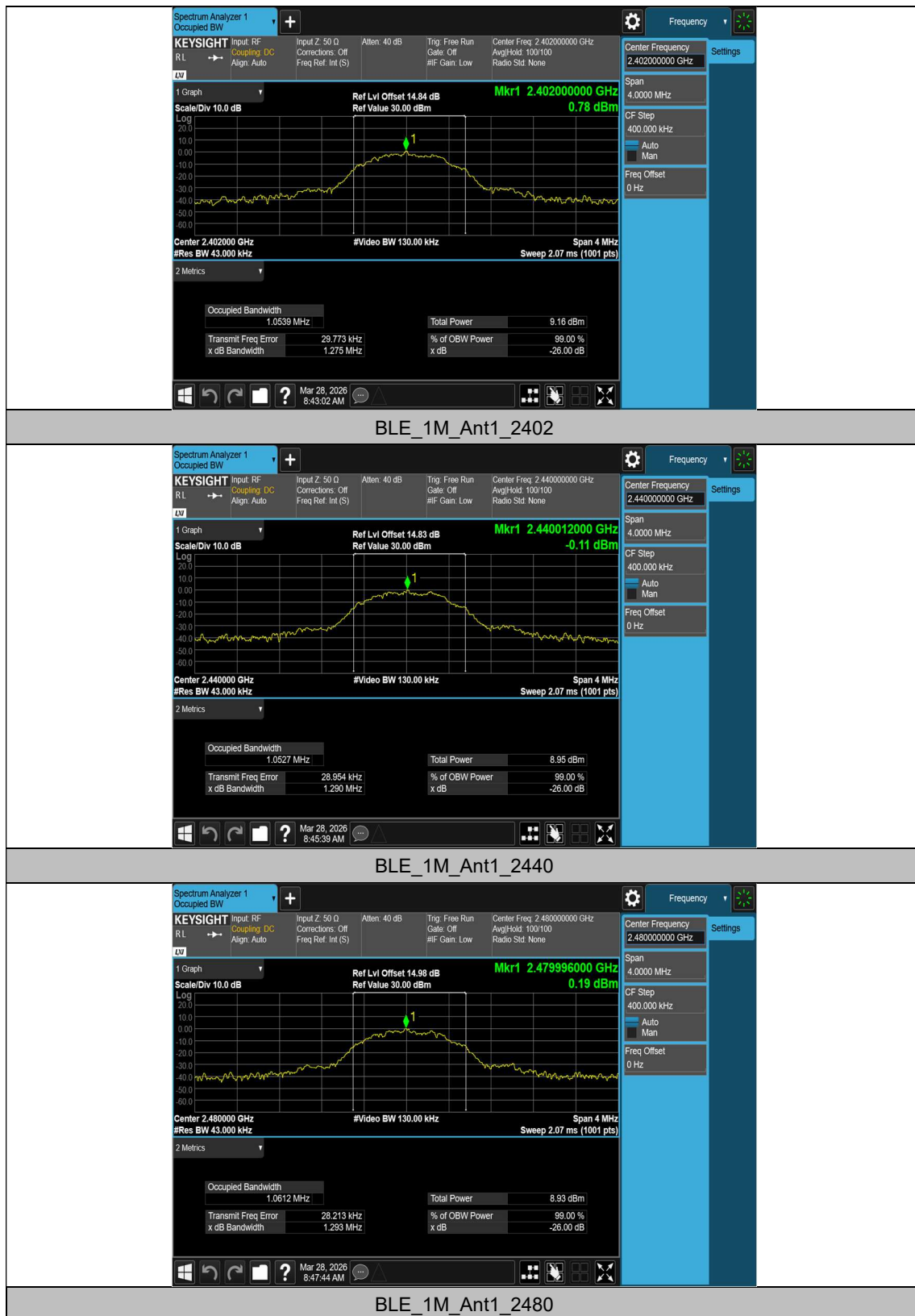
**BLE\_2M-Ant1-2480-PASS**

## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 1.0539       | 2401.5028 | 2402.5567 | ---        | ---     |
|          |         | 2440           | 1.0527       | 2439.5026 | 2440.5553 | ---        | ---     |
|          |         | 2480           | 1.0612       | 2479.4976 | 2480.5588 | ---        | ---     |
| BLE_2M   | Ant1    | 2402           | 2.0858       | 2400.9916 | 2403.0774 | ---        | ---     |
|          |         | 2440           | 2.0718       | 2439.0011 | 2441.0729 | ---        | ---     |
|          |         | 2480           | 2.0818       | 2478.9916 | 2481.0734 | ---        | ---     |

## Test Graphs





BLE\_2M-Ant1-2402



BLE\_2M-Ant1-2440



BLE\_2M-Ant1-2480

## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted<br>Peak<br>Power[dBm] | Conducted<br>Limit[dBm] | EIRP[dBm] | EIRP<br>Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------------|-------------------------|-----------|--------------------|---------|
| BLE_1M   | Ant1    | 2402           | 3.04                            | ≤30                     | 2.71      | ≤36                | PASS    |
|          |         | 2440           | 2.71                            | ≤30                     | 2.38      | ≤36                | PASS    |
|          |         | 2480           | 2.87                            | ≤30                     | 2.54      | ≤36                | PASS    |
| BLE_2M   | Ant1    | 2402           | 2.89                            | ≤30                     | 2.56      | ≤36                | PASS    |
|          |         | 2440           | 2.69                            | ≤30                     | 2.36      | ≤36                | PASS    |
|          |         | 2480           | 2.77                            | ≤30                     | 2.44      | ≤36                | PASS    |

## Test Graphs Peak





BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2440-PASS



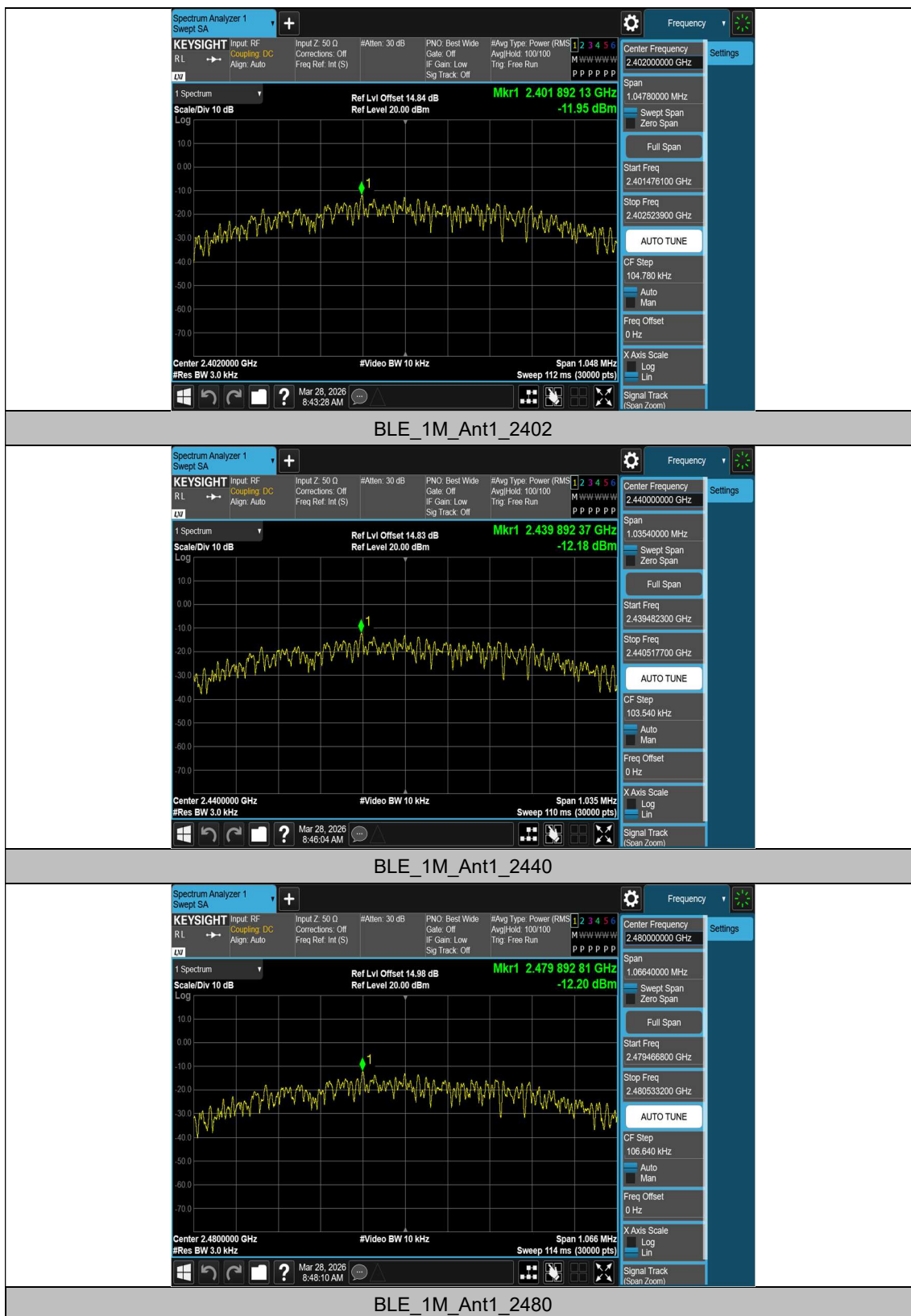
BLE\_2M-Ant1-2480-PASS

## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -11.95           | ≤8.00           | PASS    |
|          |         | 2440           | -12.19           | ≤8.00           | PASS    |
|          |         | 2480           | -12.20           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402           | -15.96           | ≤8.00           | PASS    |
|          |         | 2440           | -16.17           | ≤8.00           | PASS    |
|          |         | 2480           | -16.21           | ≤8.00           | PASS    |

## Test Graphs





BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2440-PASS



BLE\_2M-Ant1-2480-PASS

## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402           | 2.18          | -36.04      | ≤-17.82    | PASS    |
|          |         | High   | 2480           | 2.23          | -39.58      | ≤-17.77    | PASS    |
| BLE_2M   | Ant1    | Low    | 2402           | 0.26          | -29.92      | ≤-19.74    | PASS    |
|          |         | High   | 2480           | 0.43          | -40.79      | ≤-19.57    | PASS    |

## Test Graphs





## Appendix F: Conducted Spurious Emission

### Test Result

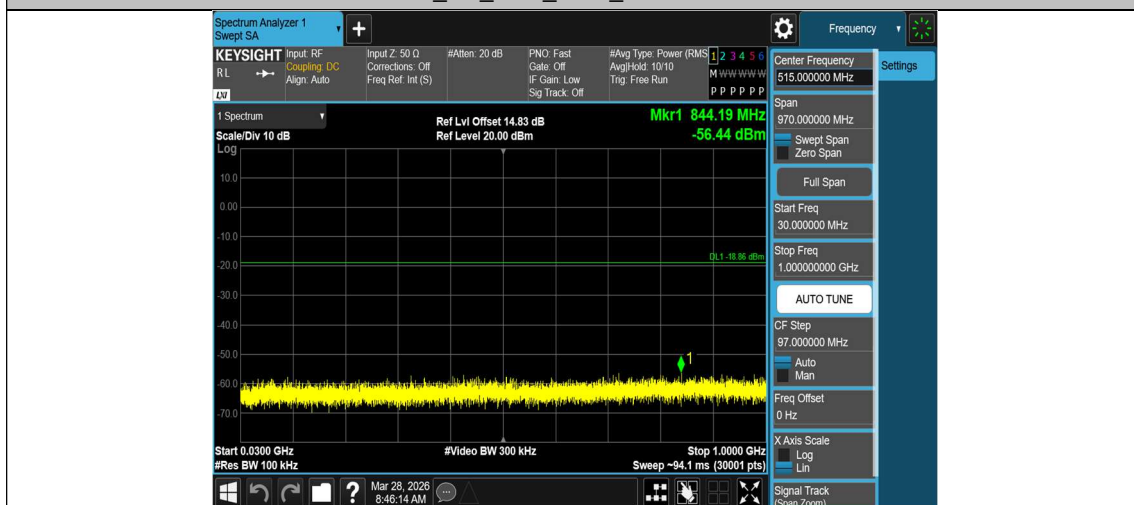
| TestMode | Antenna | Frequency [MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|-----------------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402            | 0~Reference     | 1.79           | 1.79        | ---        | PASS    |
|          |         |                 | 30~1000         | 1.79           | -56.29      | ≤-18.21    | PASS    |
|          |         |                 | 1000~26500      | 1.79           | -37.29      | ≤-18.21    | PASS    |
|          |         | 2440            | 0~Reference     | 1.14           | 1.14        | ---        | PASS    |
|          |         |                 | 30~1000         | 1.14           | -56.44      | ≤-18.86    | PASS    |
|          |         |                 | 1000~26500      | 1.14           | -39.45      | ≤-18.86    | PASS    |
|          |         | 2480            | 0~Reference     | 0.77           | 0.77        | ---        | PASS    |
|          |         |                 | 30~1000         | 0.77           | -56.49      | ≤-19.23    | PASS    |
|          |         |                 | 1000~26500      | 0.77           | -40.23      | ≤-19.23    | PASS    |
| BLE_2M   | Ant1    | 2402            | 0~Reference     | -0.68          | -0.68       | ---        | PASS    |
|          |         |                 | 30~1000         | -0.68          | -56.76      | ≤-20.68    | PASS    |
|          |         |                 | 1000~26500      | -0.68          | -39.62      | ≤-20.68    | PASS    |
|          |         | 2440            | 0~Reference     | -2.00          | -2.00       | ---        | PASS    |
|          |         |                 | 30~1000         | -2.00          | -56.72      | ≤-22       | PASS    |
|          |         |                 | 1000~26500      | -2.00          | -41.42      | ≤-22       | PASS    |
|          |         | 2480            | 0~Reference     | -0.95          | -0.95       | ---        | PASS    |
|          |         |                 | 30~1000         | -0.95          | -56.42      | ≤-20.95    | PASS    |
|          |         |                 | 1000~26500      | -0.95          | -41.68      | ≤-20.95    | PASS    |

## Test Graphs





BLE\_1M\_Ant1\_2440\_0~Reference



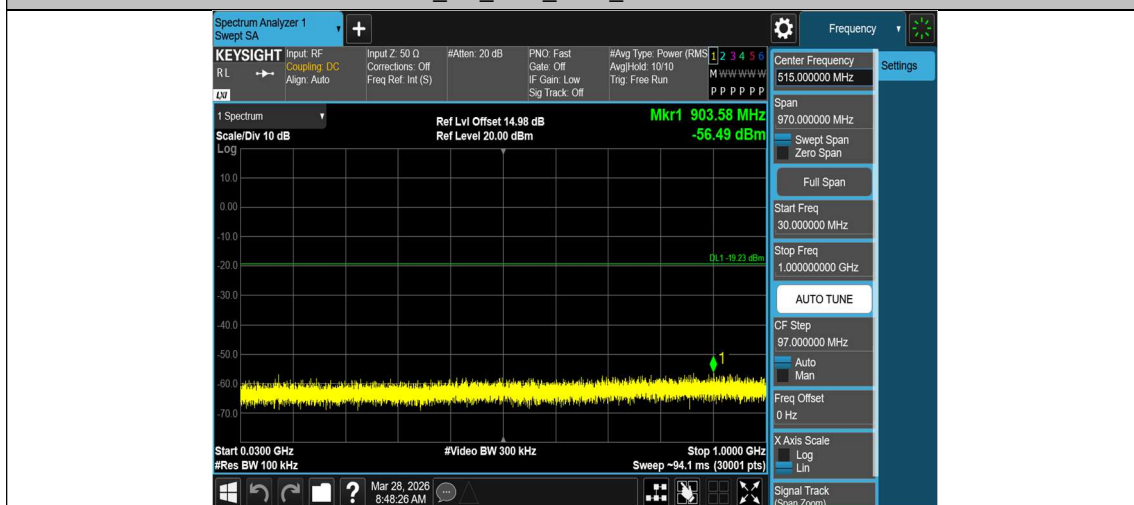
BLE\_1M\_Ant1\_2440\_30~1000



BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference



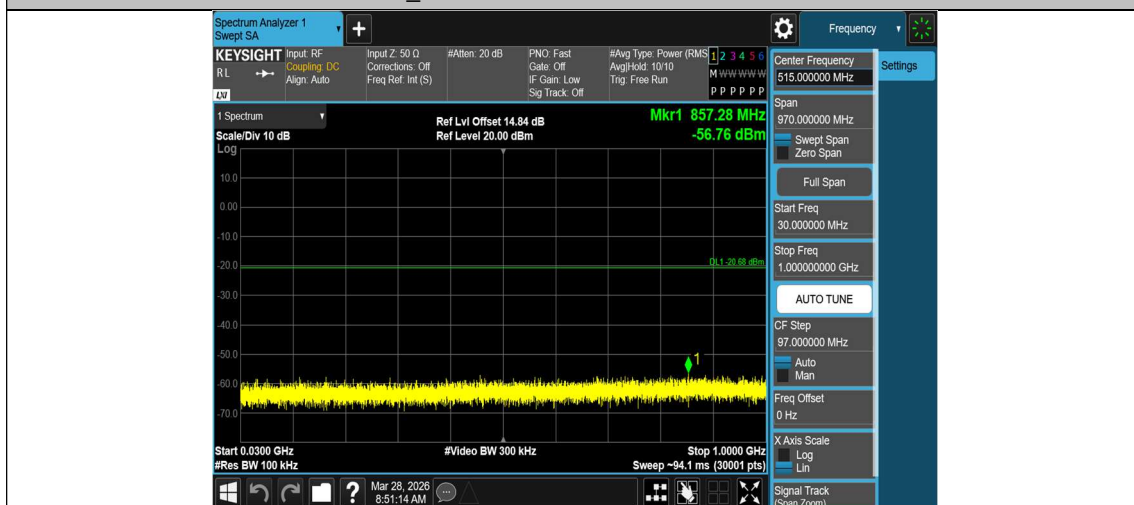
BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500



BLE\_2M-Ant1-2402-0~Reference-PASS



BLE\_2M-Ant1-2402-30~1000-PASS



BLE\_2M-Ant1-2402-1000~26500-PASS