

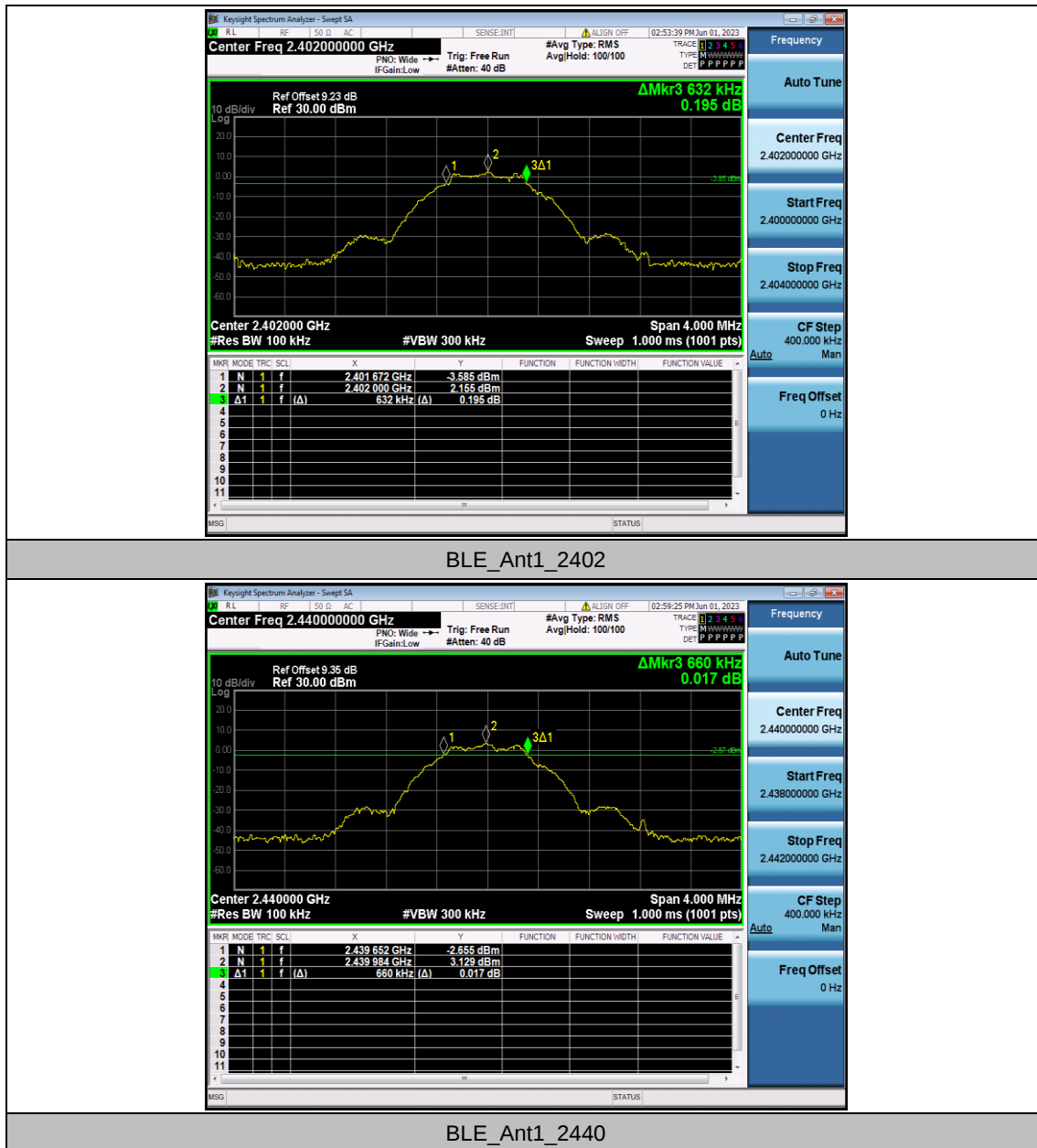
|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20230508024-1-18</u>                          |                                         |
| <b>Ambient Condition:</b> <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2023.5.30</u>                                    | <b>Test Engineer:</b> <u>Jenny zeng</u> |

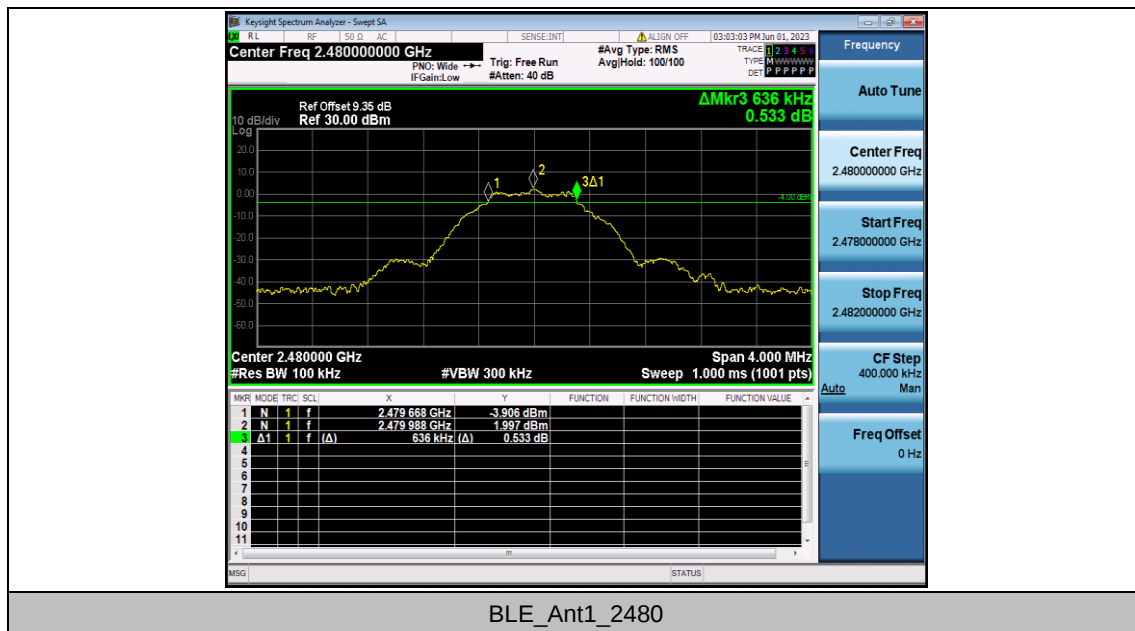
## Appendix B.1: DTS Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE       | Ant1    | 2402           | 0.632        | 2401.672 | 2402.304 | 0.5        | PASS    |
|           |         | 2440           | 0.660        | 2439.652 | 2440.312 | 0.5        | PASS    |
|           |         | 2480           | 0.636        | 2479.668 | 2480.304 | 0.5        | PASS    |

## Test Graphs



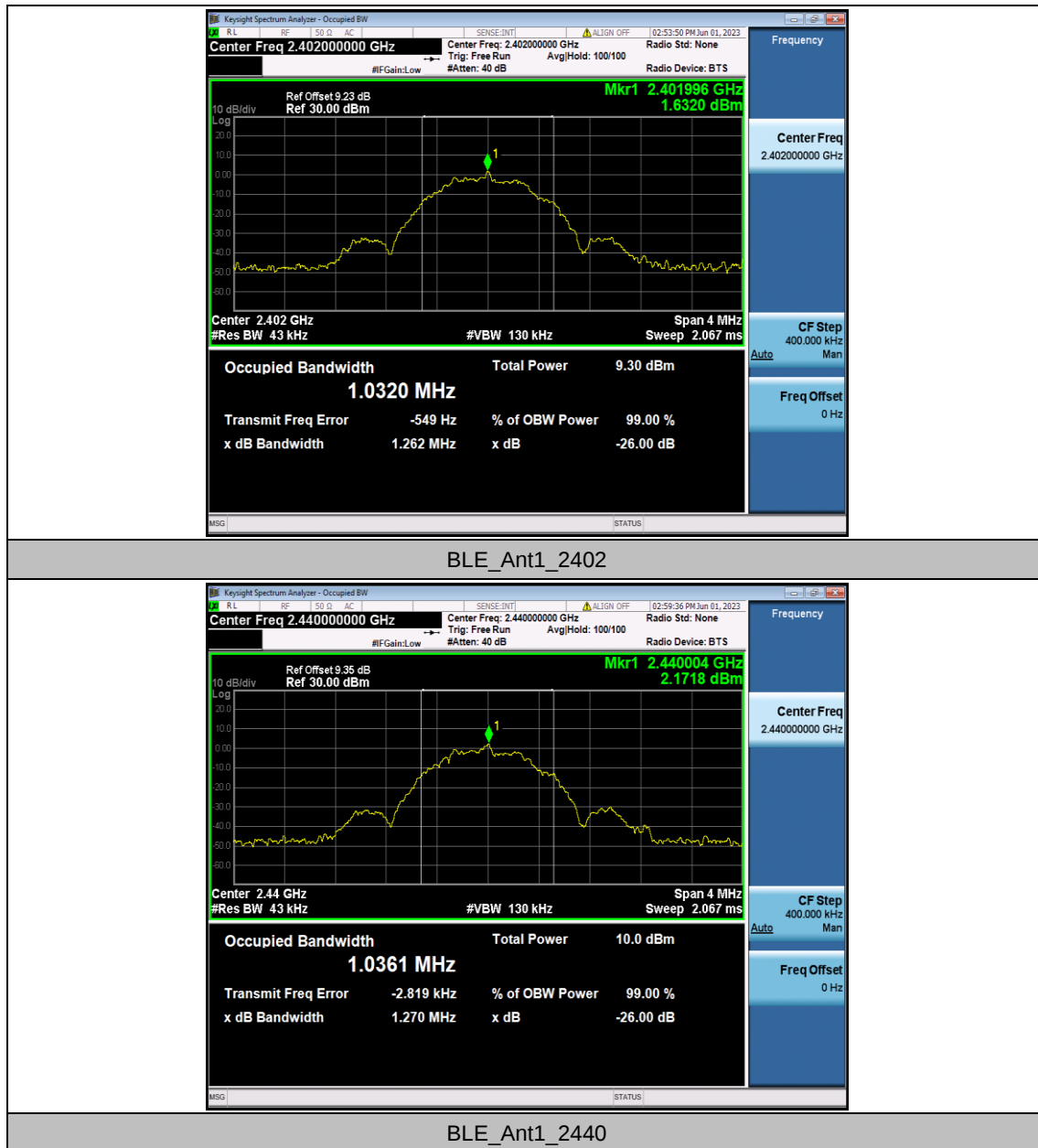


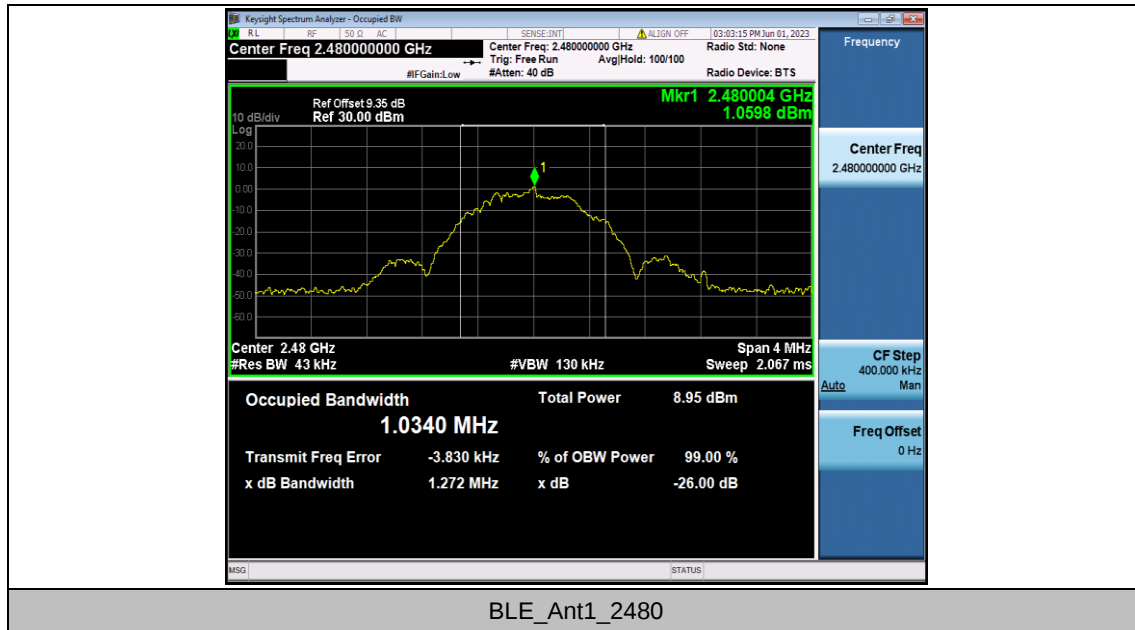
## Appendix B.2: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|----------|----------|------------|---------|
| BLE       | Ant1    | 2402           | 1.0320    | 2401.483 | 2402.515 | ---        | ---     |
|           |         | 2440           | 1.0361    | 2439.479 | 2440.515 | ---        | ---     |
|           |         | 2480           | 1.0340    | 2479.479 | 2480.513 | ---        | ---     |

## Test Graphs





## Appendix B.3: Maximum conducted output power

### Test Result Peak

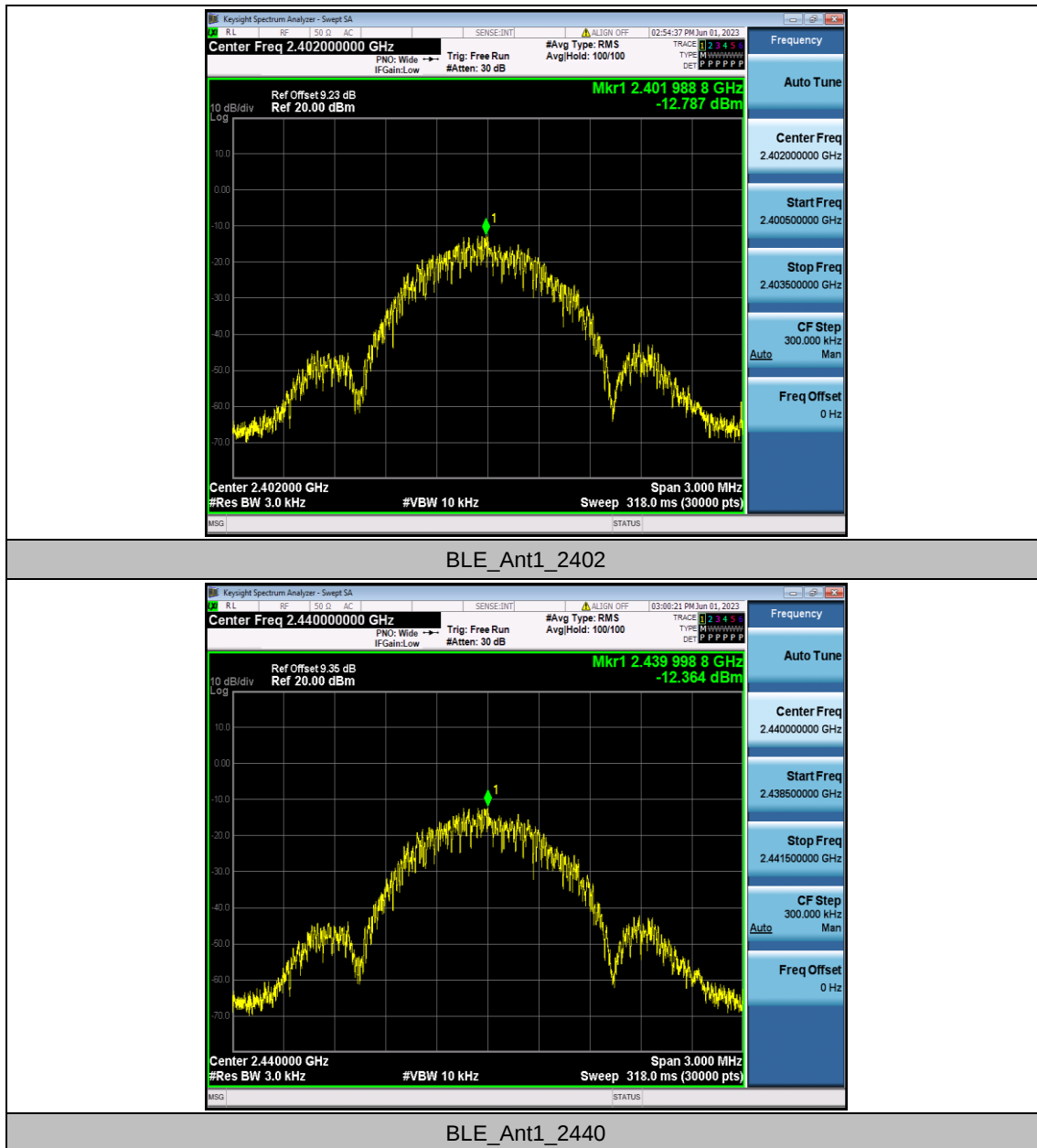
| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| BLE       | Ant1    | 2402           | 2.64                      | ≤30                  | PASS    |
|           |         | 2440           | 3.37                      | ≤30                  | PASS    |
|           |         | 2480           | 2.27                      | ≤30                  | PASS    |

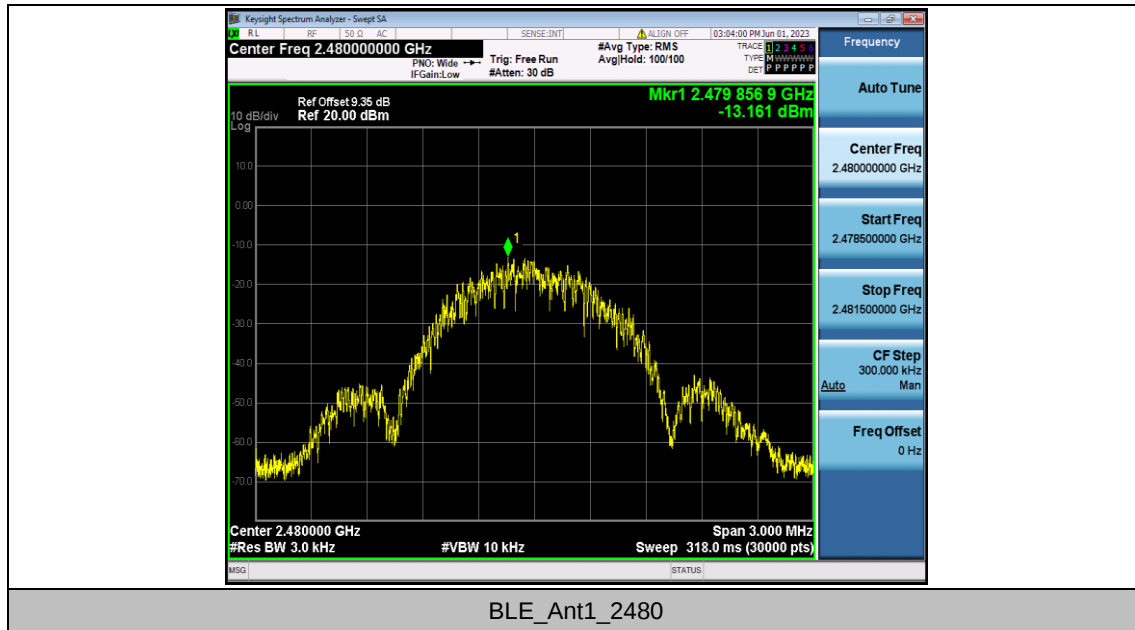
## Appendix B.4: Maximum power spectral density

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|------------------|-----------------|---------|
| BLE       | Ant1    | 2402           | -12.79           | ≤8.00           | PASS    |
|           |         | 2440           | -12.36           | ≤8.00           | PASS    |
|           |         | 2480           | -13.16           | ≤8.00           | PASS    |

## Test Graphs



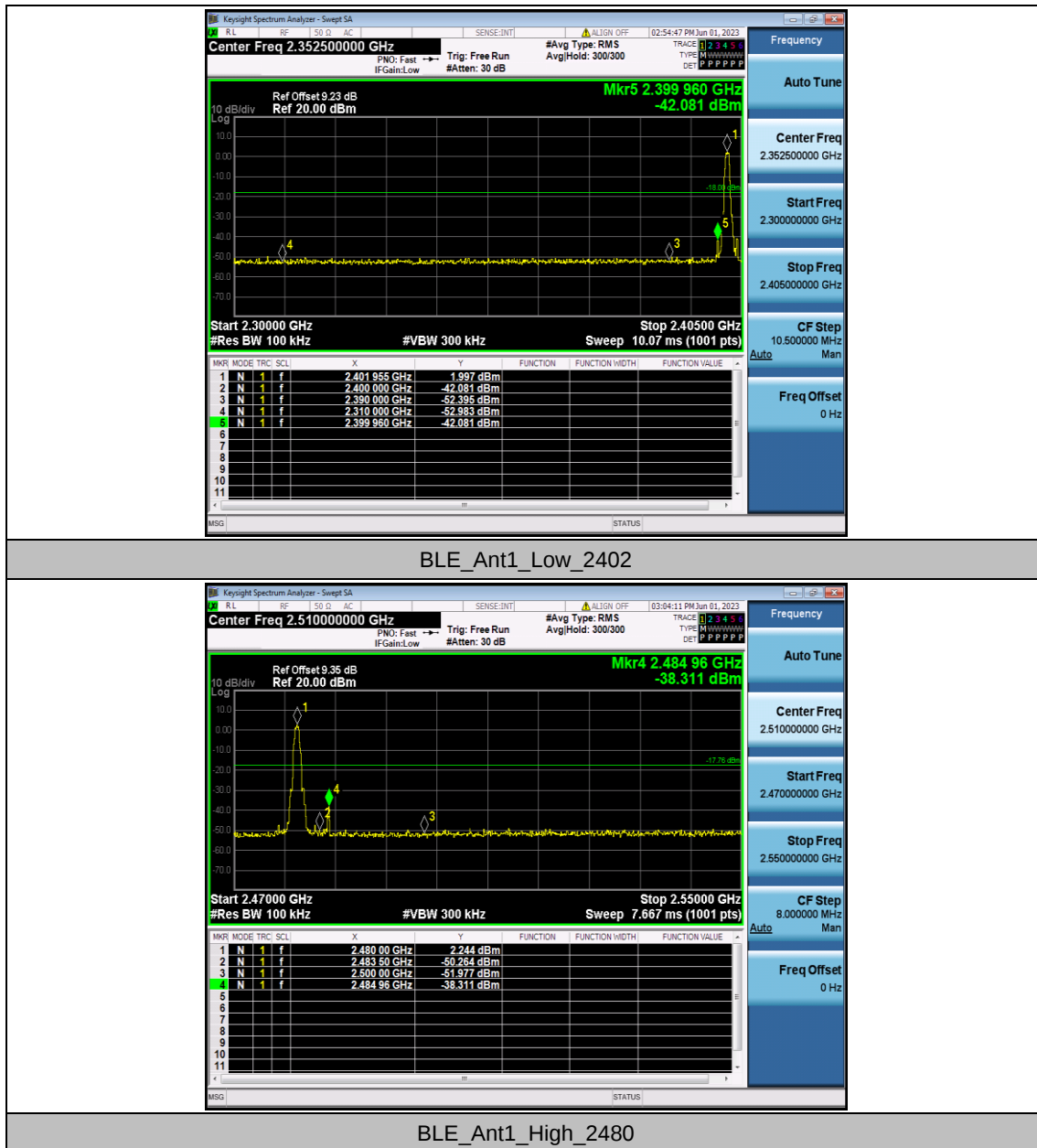


## Appendix B.5: Band edge measurements

### Test Result

| Test Mode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|--------|----------------|---------------|-------------|---------------|---------|
| BLE       | Ant1    | Low    | 2402           | 2.00          | -42.08      | $\leq -18$    | PASS    |
|           |         | High   | 2480           | 2.24          | -38.31      | $\leq -17.76$ | PASS    |

## Test Graphs



## Appendix B.6: Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|----------------|-----------------|----------------|-------------|---------------|---------|
| BLE       | Ant1    | 2402           | Reference       | 1.44           | 1.44        | ---           | PASS    |
|           |         |                | 30~1000         | 1.44           | -60.27      | $\leq -18.56$ | PASS    |
|           |         |                | 1000~26500      | 1.44           | -47.15      | $\leq -18.56$ | PASS    |
|           |         | 2440           | Reference       | 2.14           | 2.14        | ---           | PASS    |
|           |         |                | 30~1000         | 2.14           | -60.65      | $\leq -17.86$ | PASS    |
|           |         |                | 1000~26500      | 2.14           | -47.47      | $\leq -17.86$ | PASS    |
|           |         | 2480           | Reference       | 1.29           | 1.29        | ---           | PASS    |
|           |         |                | 30~1000         | 1.29           | -60.21      | $\leq -18.71$ | PASS    |
|           |         |                | 1000~26500      | 1.29           | -47.34      | $\leq -18.71$ | PASS    |

## Test Graphs





## BLE\_Ant1\_2440\_30~1000



## BLE\_Ant1\_2440\_1000~26500



## BLE\_Ant1\_2480\_0~Reference

