

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>CTA24081600302</u>               |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>53</u> %RH |                                          |
| <b>According Standard:</b> ■Part15C                   |                                          |
| <b>Test Date:</b> <u>2024.8.19</u>                    | <b>Test Engineer:</b> <u>Lushan Kong</u> |

## Appendix B.1: DTS Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------------|----------|----------|------------|---------|
| BLE      | Ant1    | 2402      | 0.636           | 2401.664 | 2402.300 | 0.5        | PASS    |
|          |         | 2440      | 0.640           | 2439.664 | 2440.304 | 0.5        | PASS    |
|          |         | 2480      | 0.636           | 2479.668 | 2480.304 | 0.5        | PASS    |

Test Graphs



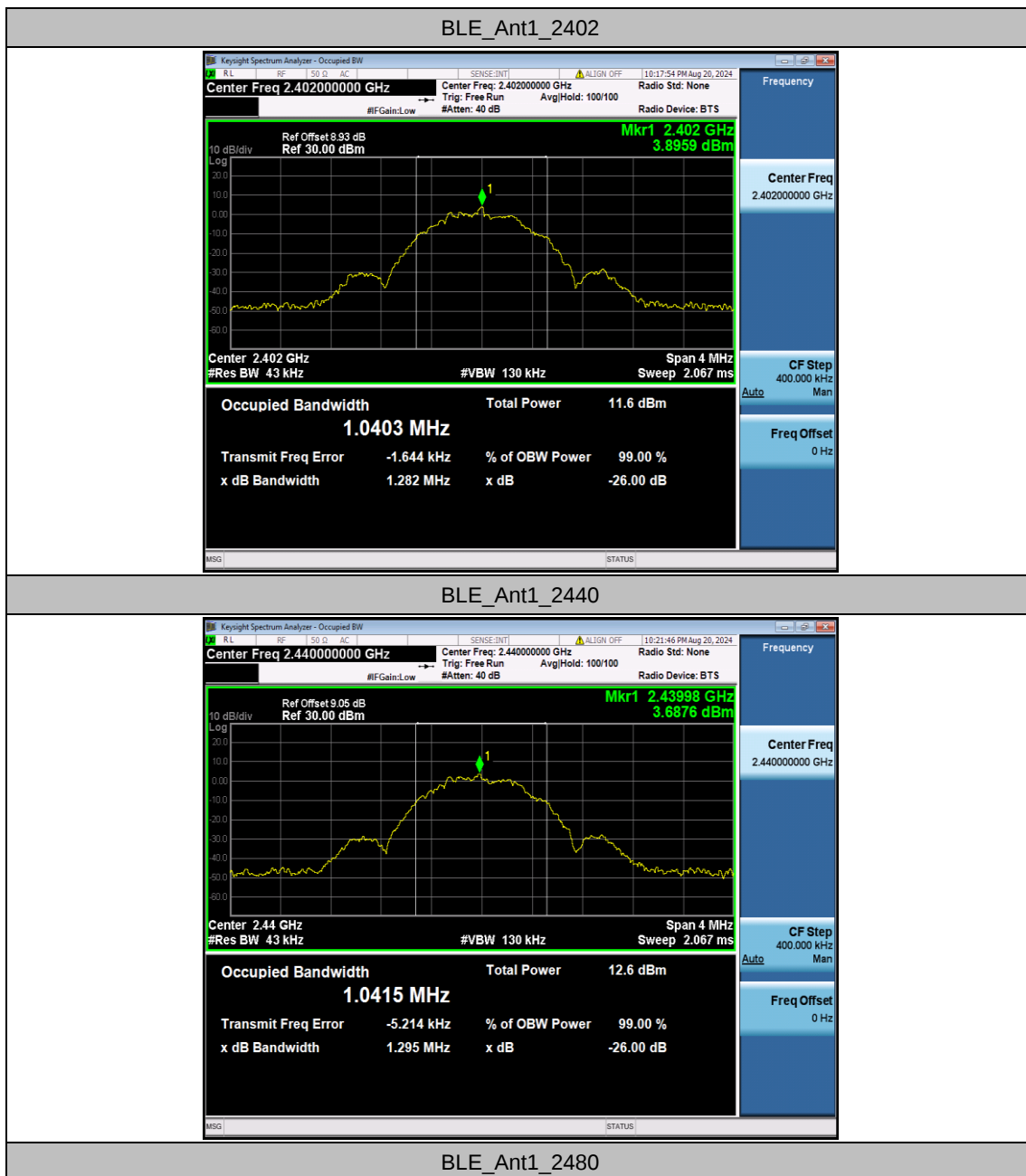


## Appendix B.2: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------|-----------|-----------|------------|---------|
| BLE      | Ant1    | 2402      | 1.0403    | 2401.4782 | 2402.5185 | ---        | ---     |
|          |         | 2440      | 1.0415    | 2439.4740 | 2440.5155 | ---        | ---     |
|          |         | 2480      | 1.0321    | 2479.4795 | 2480.5116 | ---        | ---     |

## Test Graphs





## Appendix B.3: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Freq(MHz) | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|-----------|---------------------------|----------------------|---------|
| BLE      | Ant1    | 2402      | 4.80                      | ≤30                  | PASS    |
|          |         | 2440      | 6.02                      | ≤30                  | PASS    |
|          |         | 2480      | 5.61                      | ≤30                  | PASS    |

## Appendix B.4: Maximum power spectral density

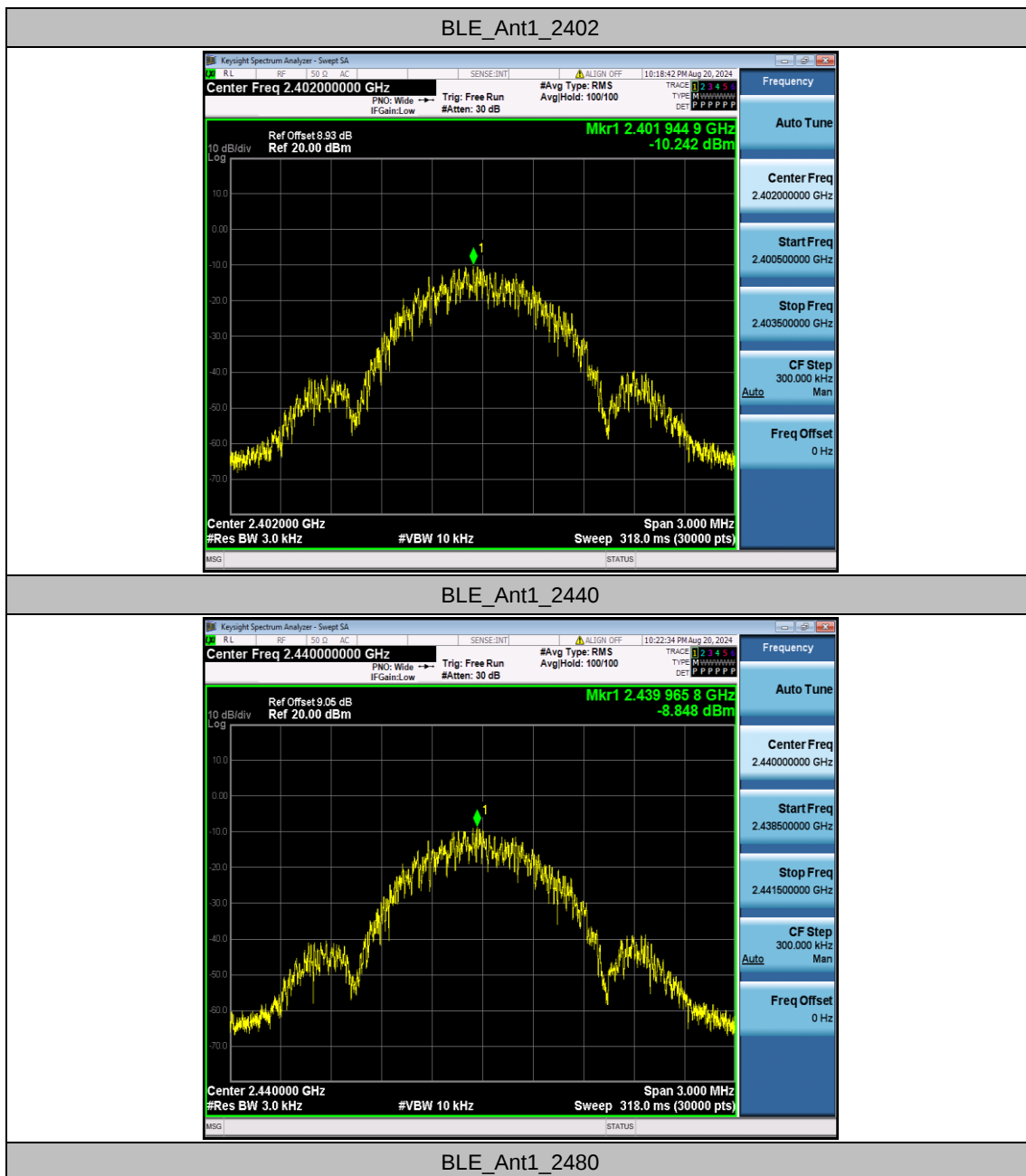
### Test Result

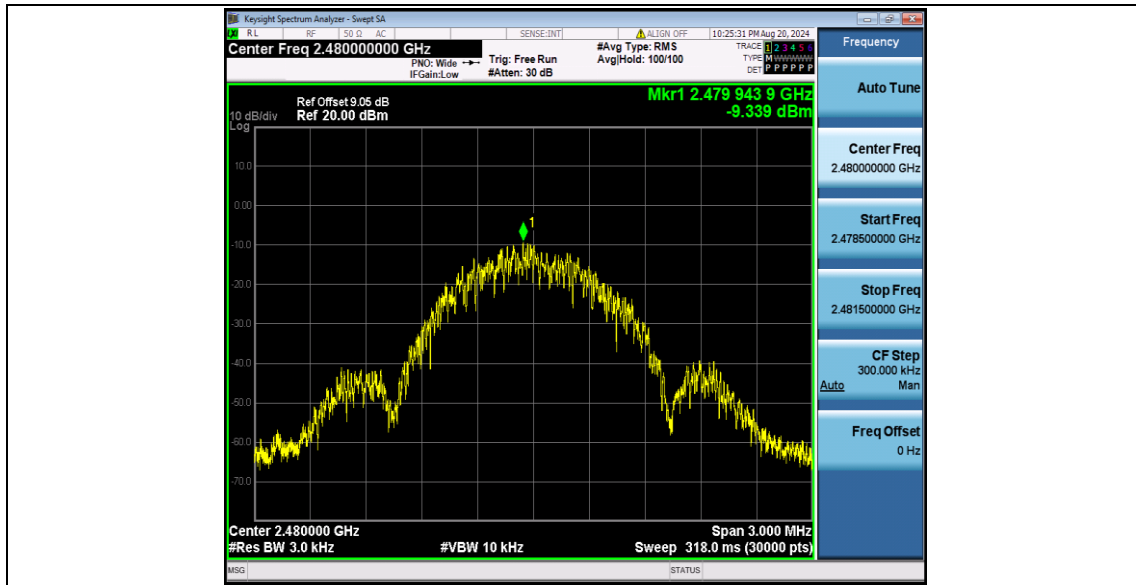
| TestMode | Antenna | Freq(MHz) | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|-----------|------------------|-----------------|---------|
| BLE      | Ant1    | 2402      | -10.24           | ≤8.00           | PASS    |
|          |         | 2440      | -8.85            | ≤8.00           | PASS    |
|          |         | 2480      | -9.34            | ≤8.00           | PASS    |

Note:

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

## Test Graphs



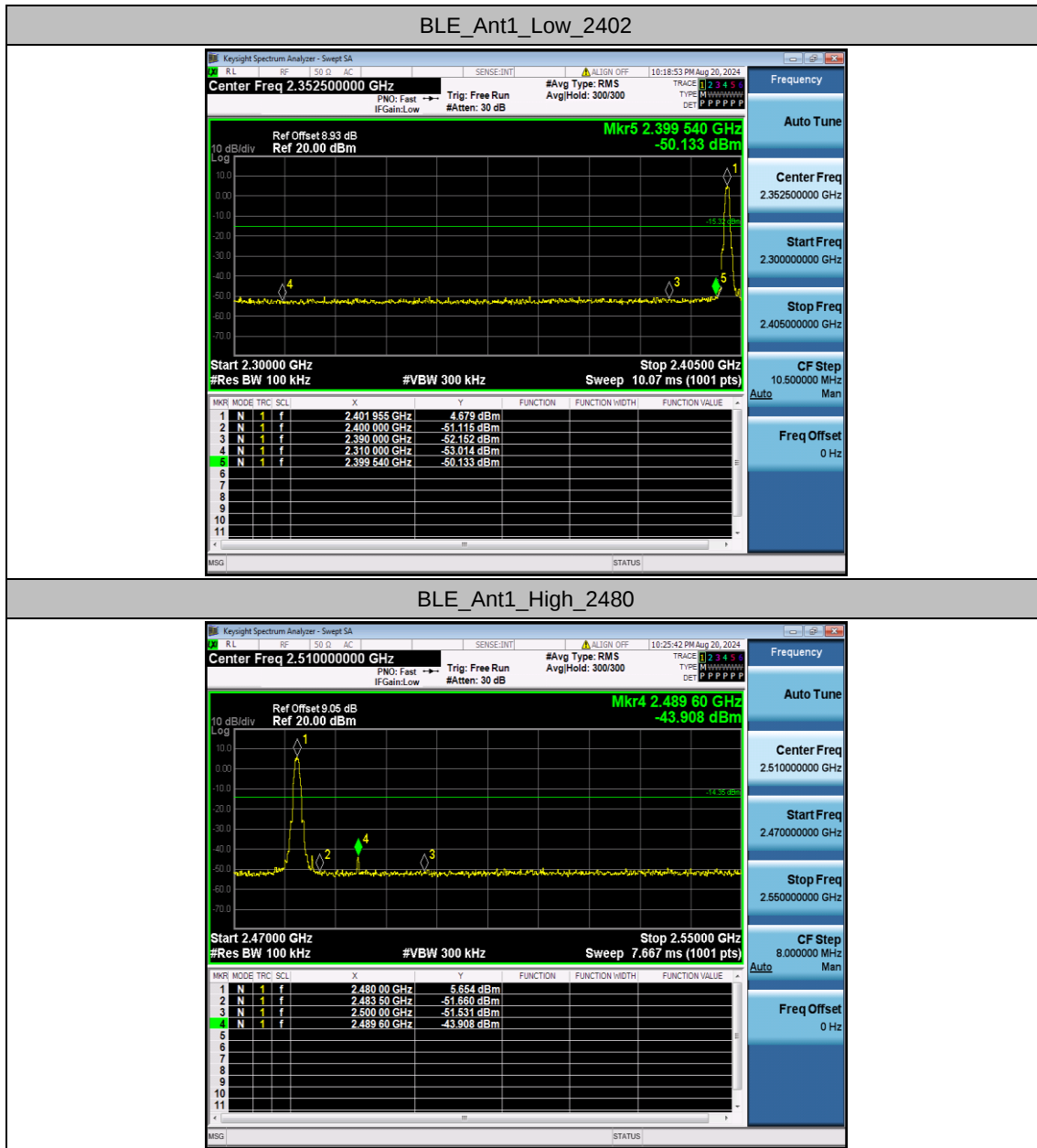


## Appendix B.5: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Freq(MHz) | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|-----------|---------------|-------------|------------|---------|
| BLE      | Ant1    | Low    | 2402      | 4.68          | -50.13      | ≤-15.32    | PASS    |
|          |         | High   | 2480      | 5.65          | -43.91      | ≤-14.35    | PASS    |

## Test Graphs



## Appendix B.6: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|----------|---------|-----------|-----------------|----------------|-------------|---------------|---------|
| BLE      | Ant1    | 2402      | Reference       | 3.77           | 3.77        | ---           | PASS    |
|          |         |           | 30~1000         | 3.77           | -60.82      | $\leq -16.23$ | PASS    |
|          |         |           | 1000~26500      | 3.77           | -47.87      | $\leq -16.23$ | PASS    |
|          |         | 2440      | Reference       | 5.83           | 5.83        | ---           | PASS    |
|          |         |           | 30~1000         | 5.83           | -60.55      | $\leq -14.17$ | PASS    |
|          |         |           | 1000~26500      | 5.83           | -48.04      | $\leq -14.17$ | PASS    |
|          |         | 2480      | Reference       | 5.13           | 5.13        | ---           | PASS    |
|          |         |           | 30~1000         | 5.13           | -60.84      | $\leq -14.87$ | PASS    |
|          |         |           | 1000~26500      | 5.13           | -47.78      | $\leq -14.87$ | PASS    |

## Test Graphs

