

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20260409008-1-01</u>          |                                          |
| <b>Ambient Condition:</b> <u>25</u> °C, <u>56</u> %RH |                                          |
| <b>According Standard:</b> ■Part15C                   |                                          |
| <b>Test Date:</b> <u>2026.4.22-2026.5.20</u>          | <b>Test Engineer:</b> <u>Evan ouyang</u> |

## Appendix A.1: DTS Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|-----------|--------------|----------|----------|------------|---------|
| BLE      | Ant1    | 2402      | 0.644        | 2401.668 | 2402.312 | 0.5        | PASS    |
|          |         | 2440      | 0.656        | 2439.652 | 2440.308 | 0.5        | PASS    |
|          |         | 2480      | 0.644        | 2479.664 | 2480.308 | 0.5        | PASS    |

Test Graphs





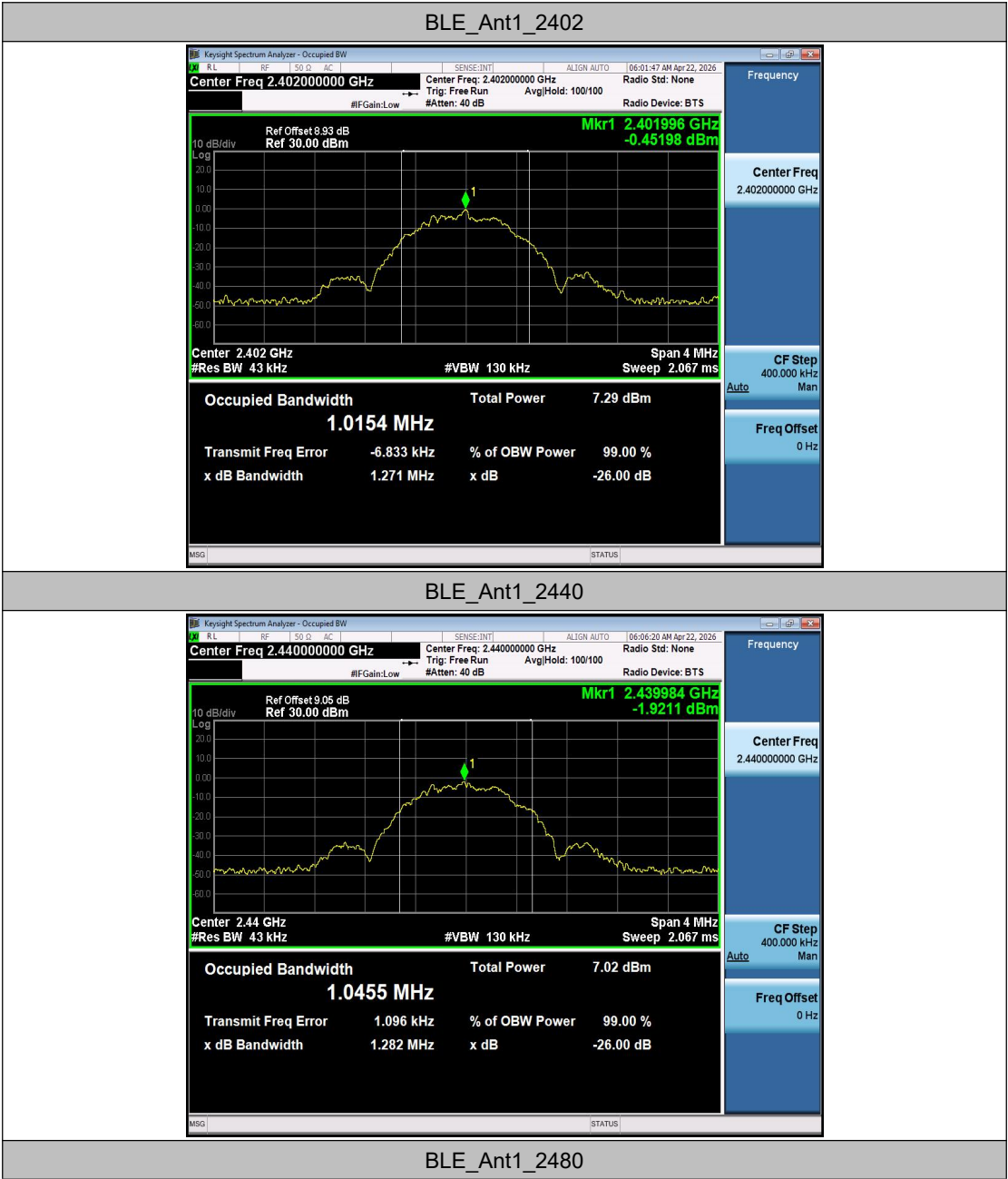
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## Appendix A.2: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------|-----------|-----------|------------|---------|
| BLE      | Ant1    | 2402      | 1.0154    | 2401.4855 | 2402.5009 | ---        | ---     |
|          |         | 2440      | 1.0455    | 2439.4784 | 2440.5239 | ---        | ---     |
|          |         | 2480      | 1.0287    | 2479.4857 | 2480.5144 | ---        | ---     |

Test Graphs





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## Appendix A.3: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Freq(MHz) | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|-----------|---------------------------|----------------------|---------|
| BLE      | Ant1    | 2402      | 0.57                      | ≤30                  | PASS    |
|          |         | 2440      | 0.59                      | ≤30                  | PASS    |
|          |         | 2480      | -0.62                     | ≤30                  | PASS    |

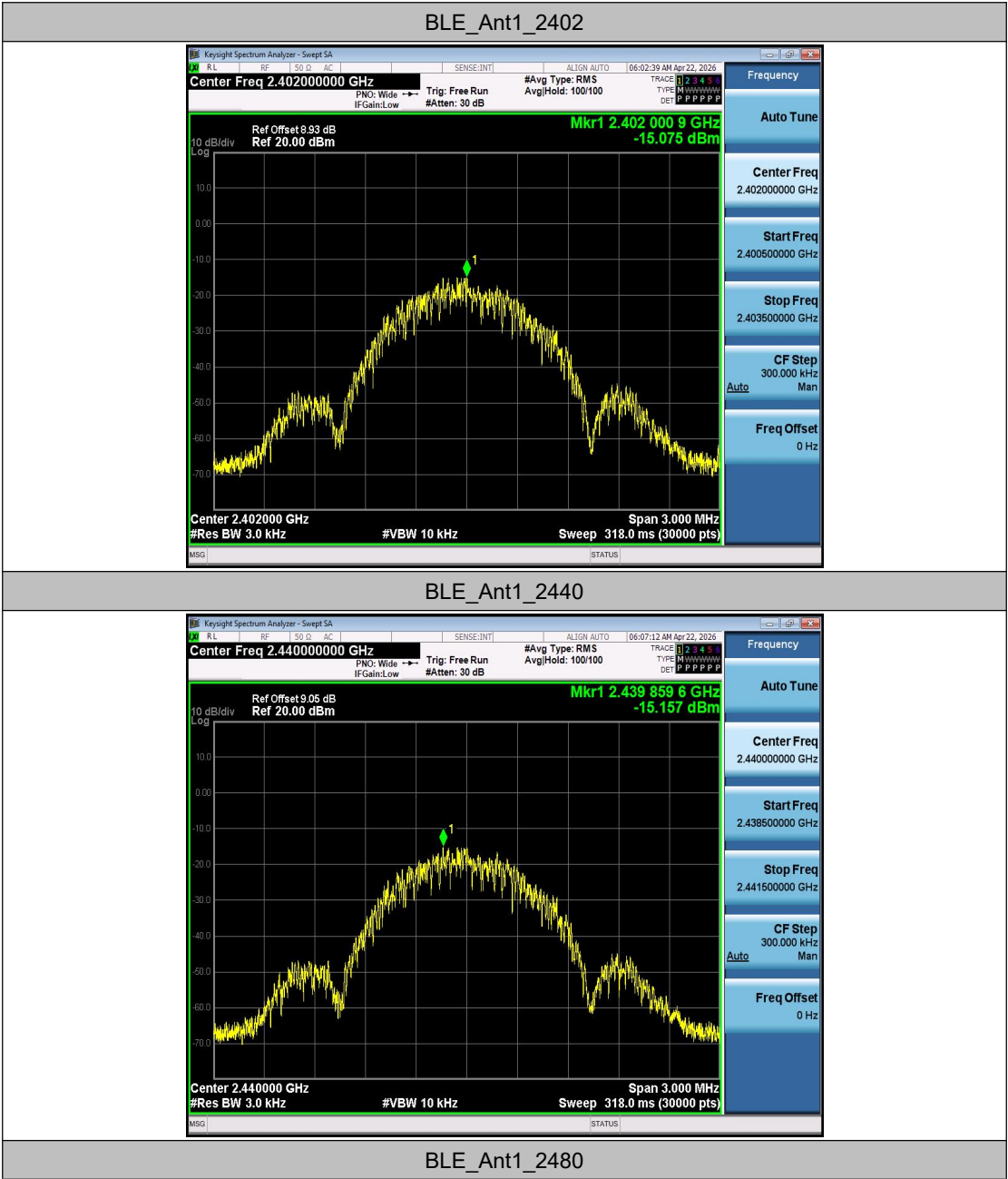
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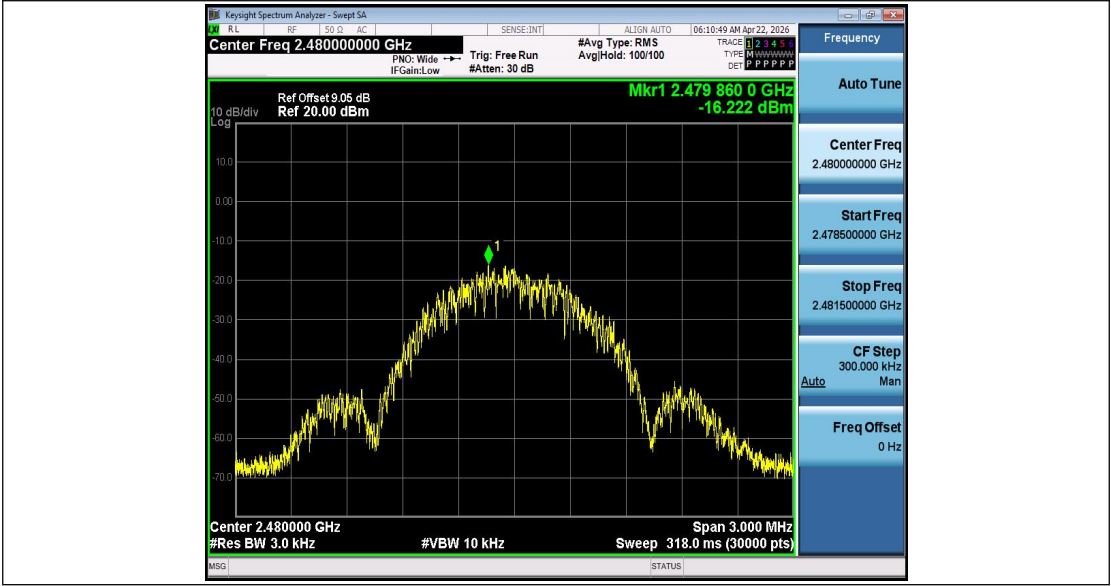
## Appendix A.4: Maximum power spectral density

### Test Result

| TestMode | Antenna | Freq(MHz) | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|-----------|------------------|-----------------|---------|
| BLE      | Ant1    | 2402      | -15.08           | $\leq 8.00$     | PASS    |
|          |         | 2440      | -15.16           | $\leq 8.00$     | PASS    |
|          |         | 2480      | -16.22           | $\leq 8.00$     | PASS    |

Test Graphs



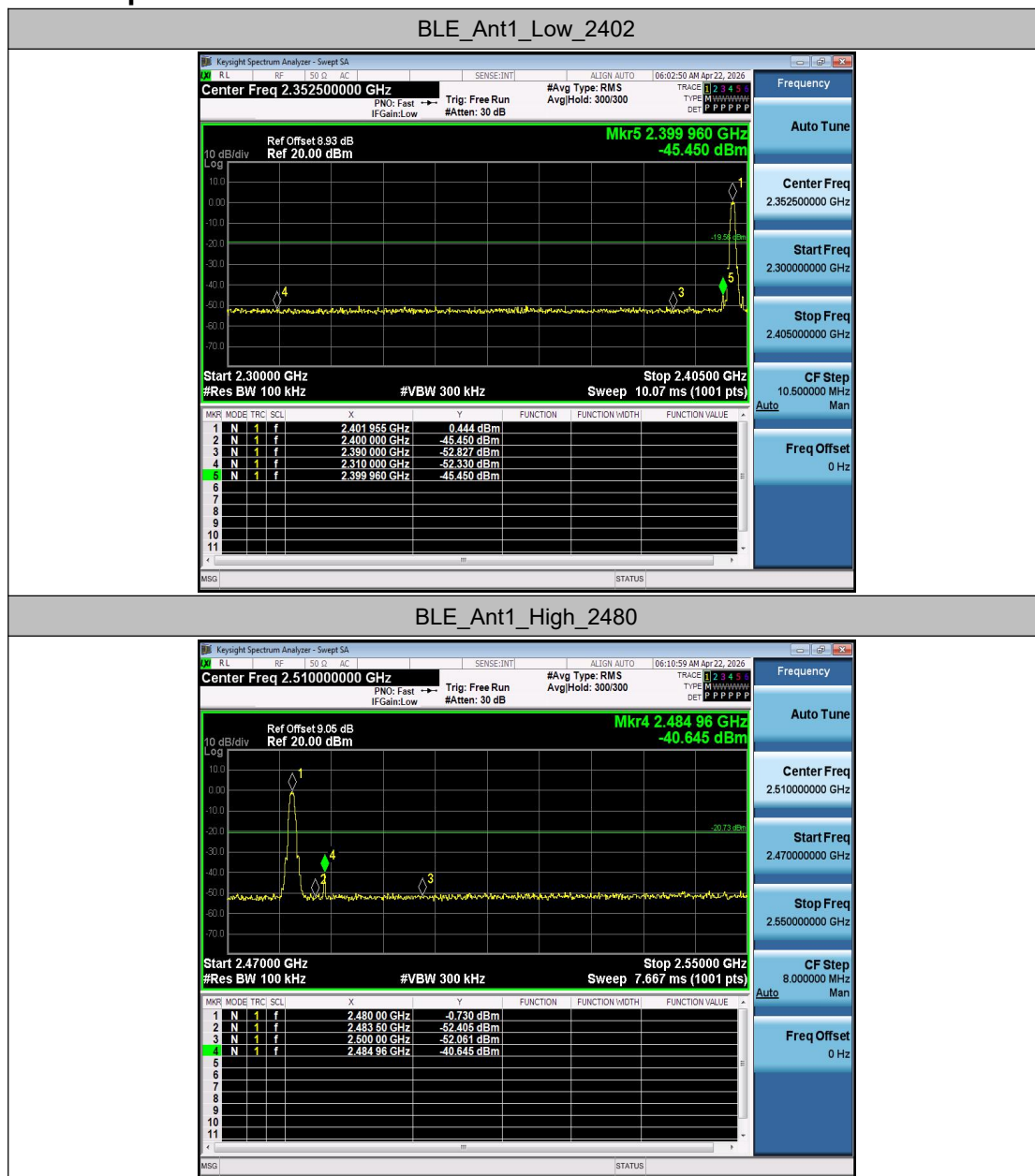


## Appendix A.5: Band edge measurements

### Test Result

| TestMode | Antenna | Channel Name | Frequency (MHz) | Reference Level (dBm) | Result (dBm) | Limit (dBm) | Verdict |
|----------|---------|--------------|-----------------|-----------------------|--------------|-------------|---------|
| BLE      | Ant1    | Low          | 2402            | 0.44                  | -45.45       | ≤-19.56     | PASS    |
|          |         | High         | 2480            | -0.73                 | -40.65       | ≤-20.73     | PASS    |

### Test Graphs

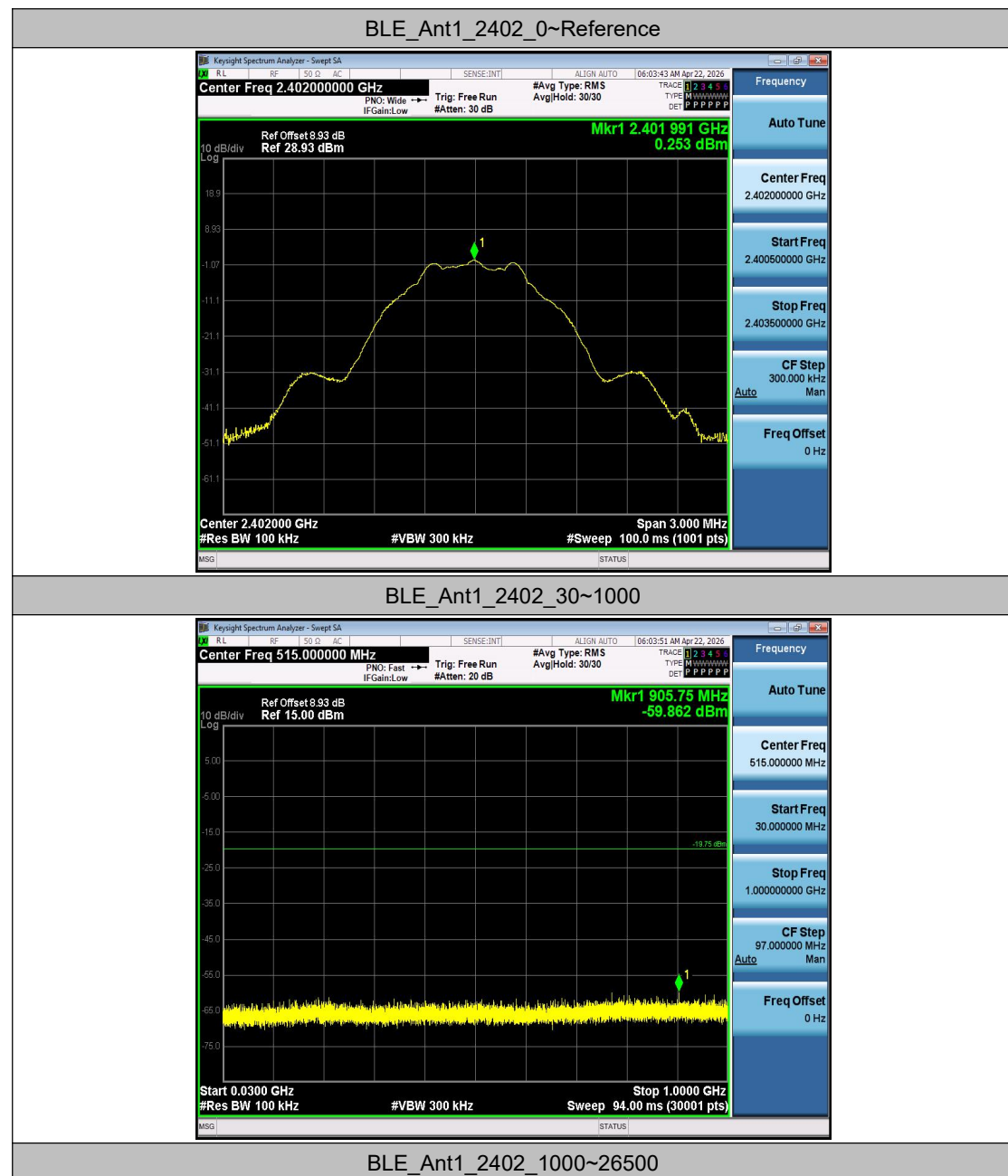


## Appendix A.6: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|-----------|-----------------|----------------|-------------|------------|---------|
| BLE      | Ant1    | 2402      | Reference       | 0.25           | 0.25        | ---        | PASS    |
|          |         |           | 30~1000         | 0.25           | -59.86      | ≤-19.75    | PASS    |
|          |         |           | 1000~26500      | 0.25           | -47.9       | ≤-19.75    | PASS    |
|          |         | 2440      | Reference       | 0.25           | 0.25        | ---        | PASS    |
|          |         |           | 30~1000         | 0.25           | -60.52      | ≤-19.75    | PASS    |
|          |         |           | 1000~26500      | 0.25           | -48.13      | ≤-19.75    | PASS    |
|          |         | 2480      | Reference       | -1.00          | -1.00       | ---        | PASS    |
|          |         |           | 30~1000         | -1.00          | -60.34      | ≤-21       | PASS    |
|          |         |           | 1000~26500      | -1.00          | -47.67      | ≤-21       | PASS    |

## Test Graphs

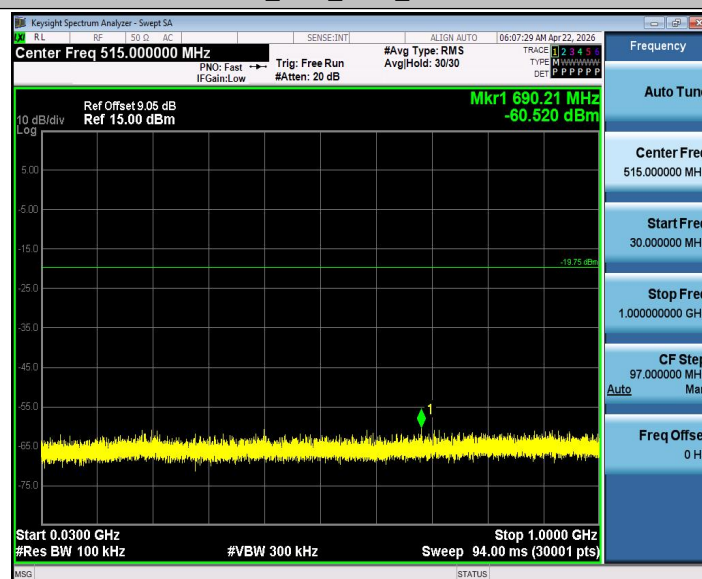




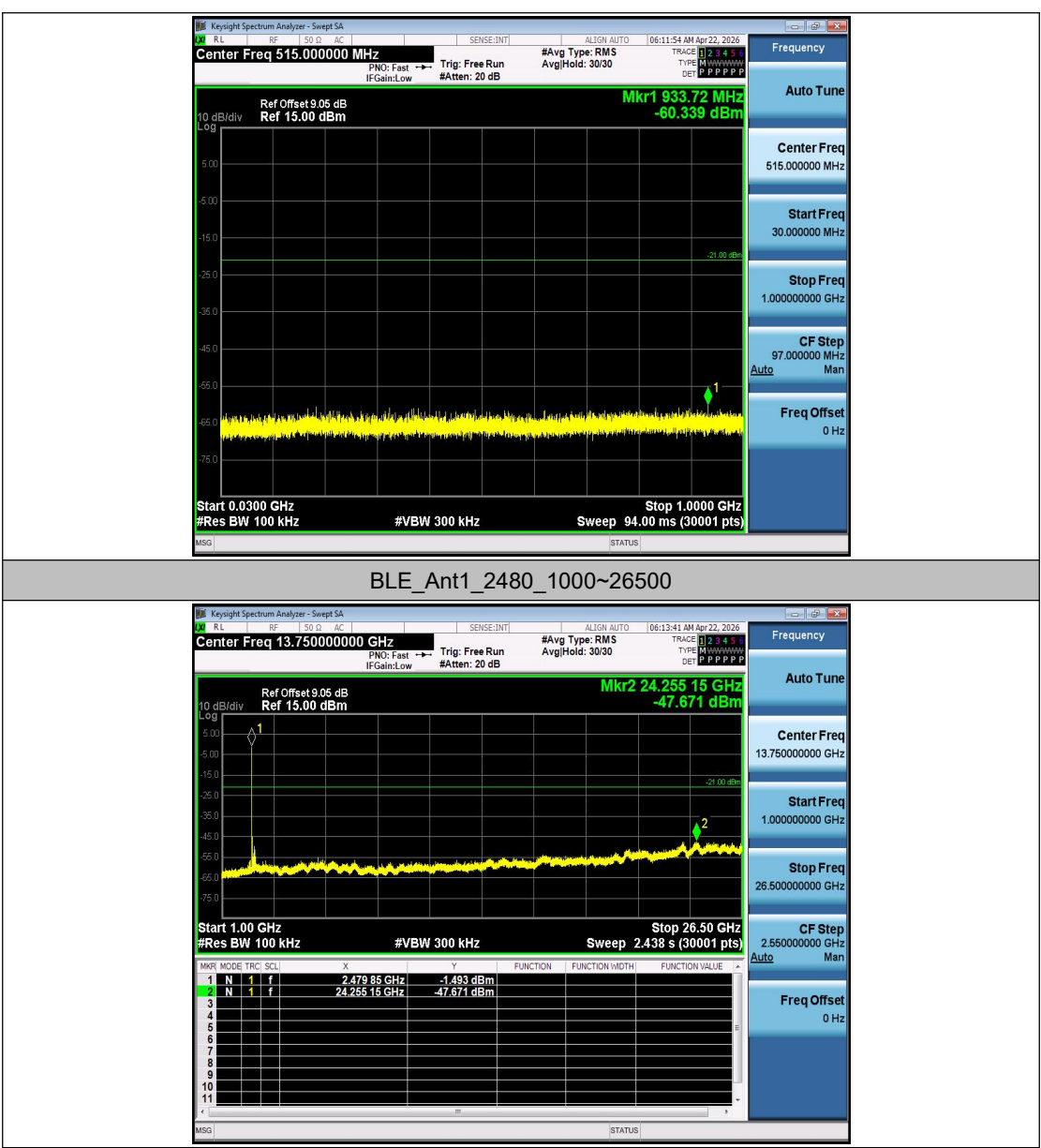
BLE\_Ant1\_2440\_0~Reference



BLE\_Ant1\_2440\_30~1000





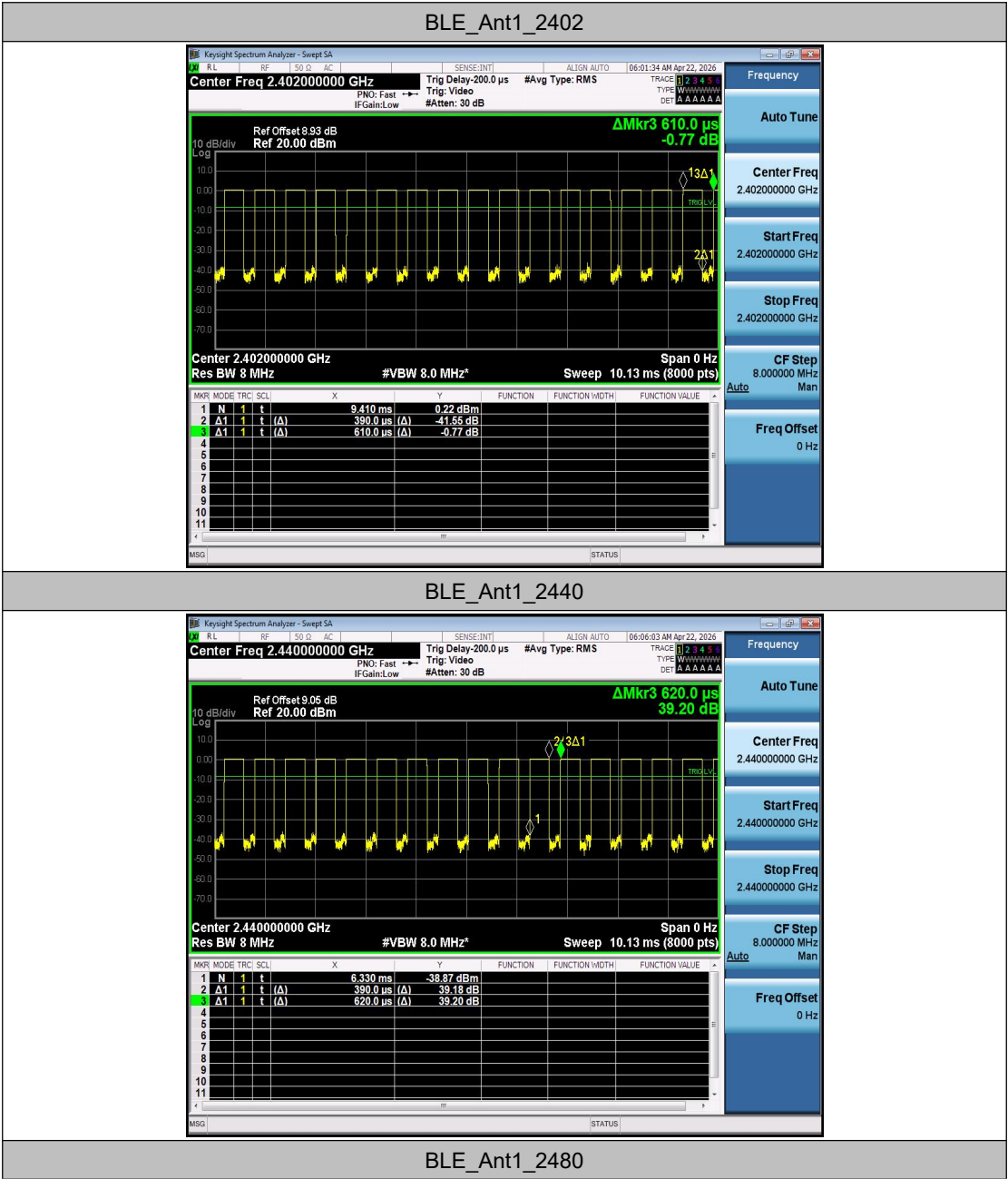


## Appendix A.7: Duty Cycle

### Test Result

| TestMode | Antenna | Freq(MHz) | ON<br>Time<br>[ms] | Period<br>[ms] | X      | DC<br>[%] | Duty<br>Cycle<br>Factor[dB] | 1/T<br>Factor[KHz] |
|----------|---------|-----------|--------------------|----------------|--------|-----------|-----------------------------|--------------------|
| BLE      | Ant1    | 2402      | 0.39               | 0.61           | 0.6393 | 63.93     | 1.94                        | 2.56               |
|          |         | 2440      | 0.39               | 0.62           | 0.6290 | 62.90     | 2.01                        | 2.56               |
|          |         | 2480      | 0.39               | 0.62           | 0.6290 | 62.90     | 2.01                        | 2.56               |

Test Graphs



BLE\_Ant1\_2440

Keysight Spectrum Analyzer - Swept SA

RF: 150.0 AC

SENSE:INT

ALIGN: AUTO

06:06:03 AM Apr 22, 2026

Center Freq 2.440000000 GHz

Trig Delay: 200.0  $\mu$ s

#Avg Type: RMS

TRIG: Video

TYPE: WWWW

DET: AAAAAA

Ref Offset 9.05 dB

Ref 20.00 dBm

$\Delta$ Mkr3 620.0  $\mu$ s

39.20 dB

Center 2.440000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 10.13 ms (8000 pts)

Span 0 Hz

| MKR | MODE       | TRC | SCL | X                          | Y          | FUNCTION | FUNCTION (MATH) | FUNCTION VALUE |
|-----|------------|-----|-----|----------------------------|------------|----------|-----------------|----------------|
| 1   | N          | 1   | t   | 6.330 ms                   | -38.87 dBm |          |                 |                |
| 2   | $\Delta$ 1 | 1   | t   | 390.0 $\mu$ s ( $\Delta$ ) | 39.18 dB   |          |                 |                |
| 3   | $\Delta$ 1 | 1   | t   | 620.0 $\mu$ s ( $\Delta$ ) | 39.20 dB   |          |                 |                |

MSG

STATUS

Frequency

Auto Tune

Center Freq  
2.440000000 GHz

Start Freq  
2.440000000 GHz

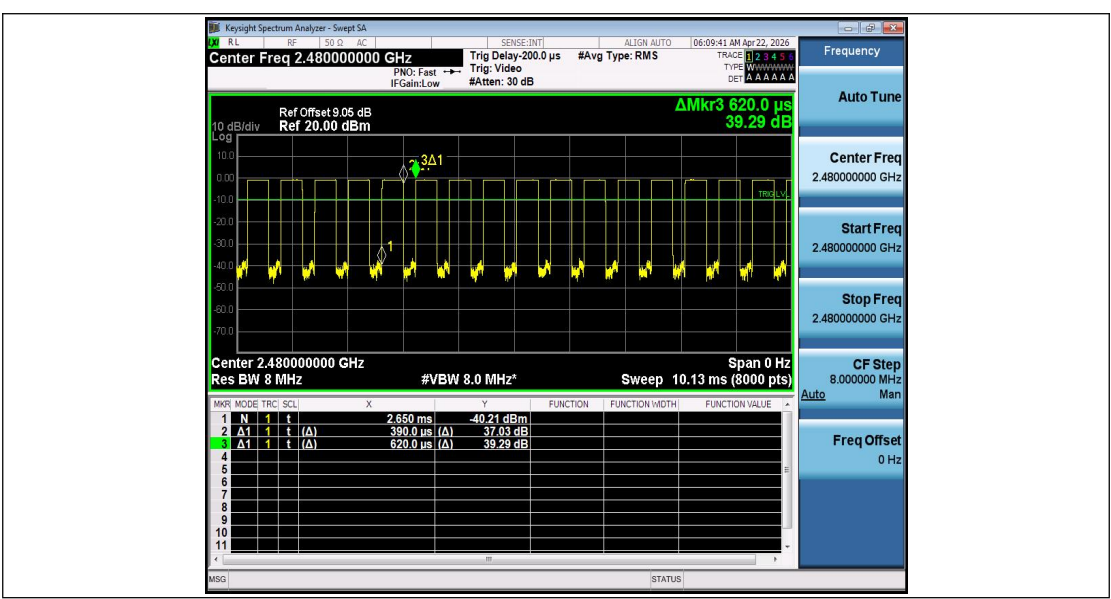
Stop Freq  
2.440000000 GHz

CF Step  
8.000000 MHz

Auto

Freq Offset  
0 Hz

BLE\_Ant1\_2480



## Appendix A.8: Emissions in Restricted Bands

### Test Result

| TestMode | Antenna | ChName | Freq(MHz) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|----------|---------|--------|-----------|----------|------------|--------------|-------------|-----------------|----------------|---------|
| BLE      | Ant1    | Low    | 2402      | AV       | 2310.000   | -48.76       | ≤-41.20     | 46.44           | ≤54            | PASS    |
|          |         |        |           | AV       | 2388.620   | -48.02       | ≤-41.20     | 47.18           | ≤54            | PASS    |
|          |         |        |           | AV       | 2390.000   | -48.45       | ≤-41.20     | 46.75           | ≤54            | PASS    |
|          |         |        |           | Peak     | 2310.000   | -40.99       | ≤-21.20     | 54.21           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2355.545   | -39.16       | ≤-21.20     | 56.04           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2390.000   | -41.09       | ≤-21.20     | 54.11           | ≤74            | PASS    |
|          |         | High   | 2480      | AV       | 2483.500   | -47.6        | ≤-41.20     | 47.60           | ≤54            | PASS    |
|          |         |        |           | AV       | 2493.280   | -47.49       | ≤-41.20     | 47.71           | ≤54            | PASS    |
|          |         |        |           | AV       | 2500.000   | -47.83       | ≤-41.20     | 47.37           | ≤54            | PASS    |
|          |         |        |           | Peak     | 2483.500   | -40.79       | ≤-21.20     | 54.41           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2495.680   | -38.7        | ≤-21.20     | 56.50           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2500.000   | -40.12       | ≤-21.20     | 55.08           | ≤74            | PASS    |

**Note:**

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. 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

