

## Appendix A: DTS Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.504           | 2401.620 | 2402.124 | 0.5        | PASS    |
|          |         | 2440           | 0.500           | 2439.620 | 2440.120 | 0.5        | PASS    |
|          |         | 2480           | 0.500           | 2479.620 | 2480.120 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2402           | 0.868           | 2401.360 | 2402.228 | 0.5        | PASS    |
|          |         | 2440           | 0.868           | 2439.356 | 2440.224 | 0.5        | PASS    |
|          |         | 2480           | 0.864           | 2479.356 | 2480.220 | 0.5        | PASS    |

## Test Graphs





BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



BLE\_2M\_Ant1\_2480



## Appendix B: Occupied Channel Bandwidth

### Test Result

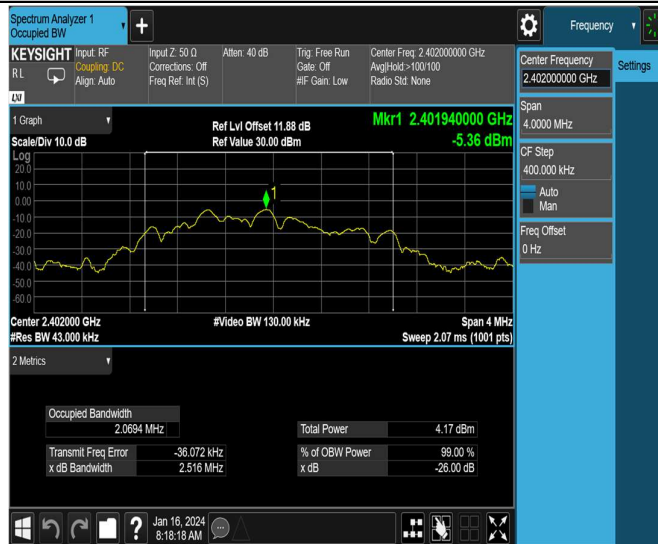
| TestMode | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 1.0402       | 2401.4420 | 2402.4822 | ---        | ---     |
|          |         | 2440           | 1.0429       | 2439.4382 | 2440.4811 | ---        | ---     |
|          |         | 2480           | 1.0411       | 2479.4388 | 2480.4799 | ---        | ---     |
| BLE_2M   | Ant1    | 2402           | 2.0683       | 2400.9297 | 2402.9980 | ---        | ---     |
|          |         | 2440           | 2.0652       | 2438.9289 | 2440.9941 | ---        | ---     |
|          |         | 2480           | 2.0700       | 2478.9265 | 2480.9965 | ---        | ---     |

## Test Graphs





BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



BLE\_2M\_Ant1\_2480



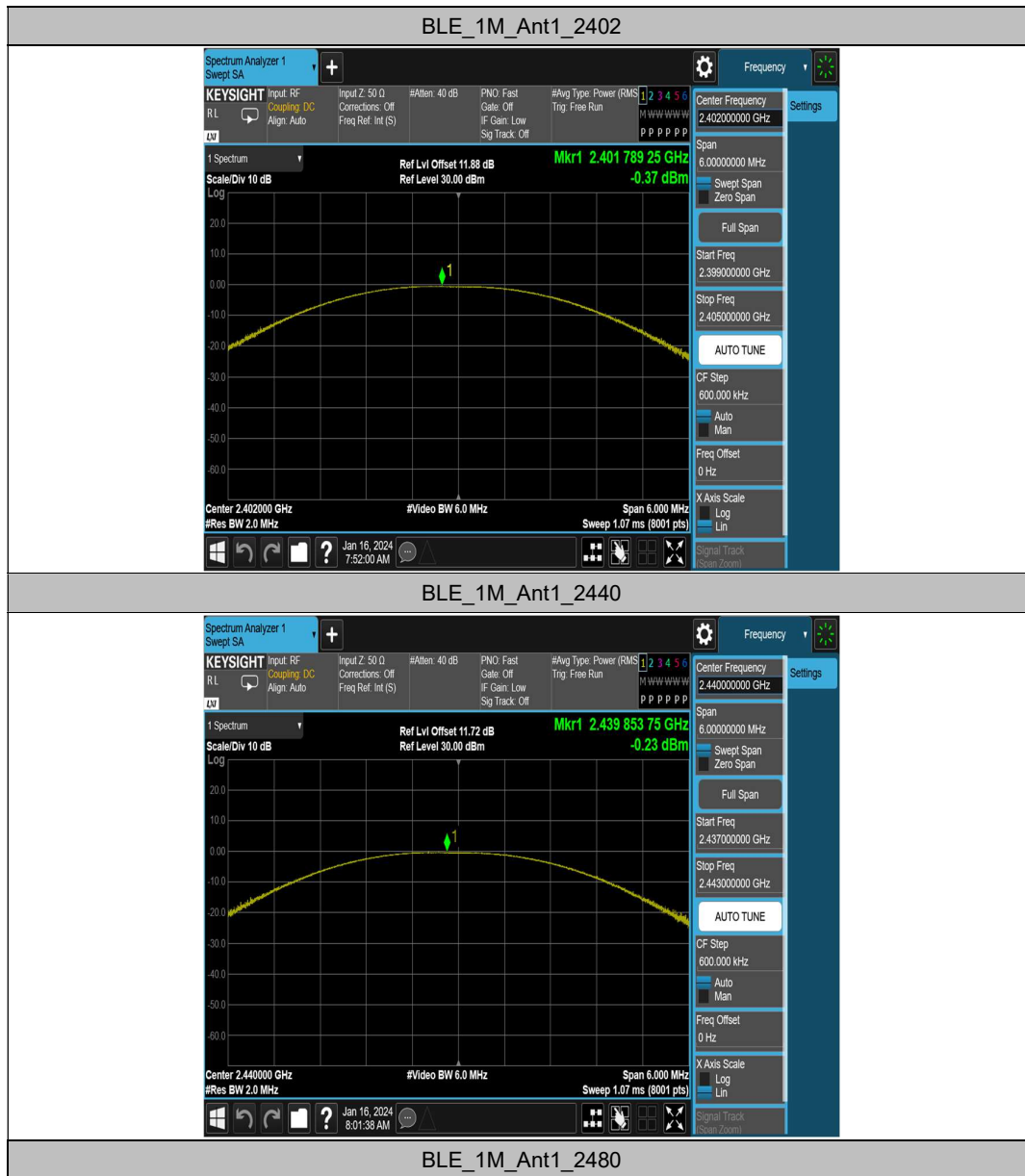


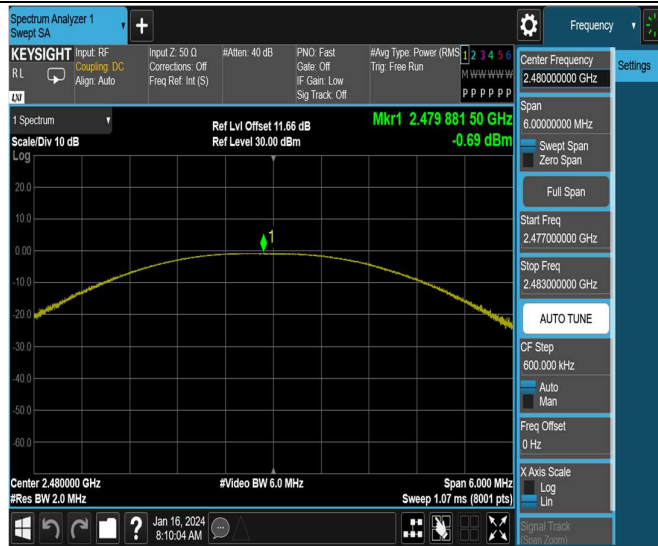
## Appendix C: Maximum conducted output power

### Test Result Peak

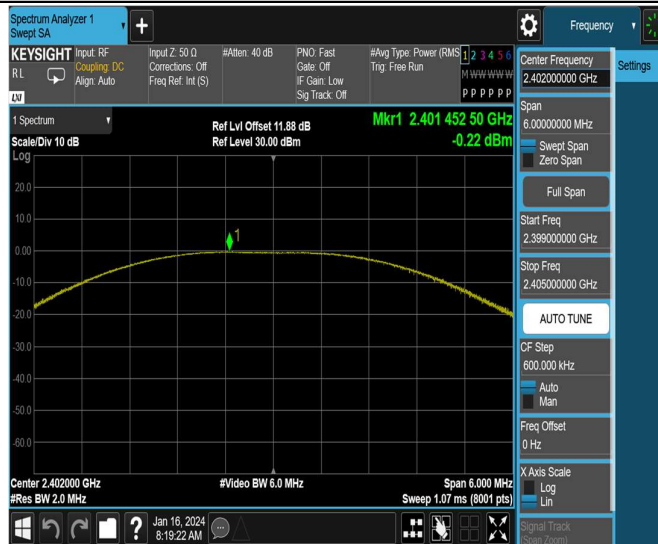
| TestMode | Antenna | Frequency[MHz] | Conducted<br>Peak<br>Power[dBm] | Conducted<br>Limit[dBm] | EIRP[dBm] | EIRP<br>Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------------|-------------------------|-----------|--------------------|---------|
| BLE_1M   | Ant1    | 2402           | -0.37                           | ≤30                     | 2.129     | ≤36                | PASS    |
|          |         | 2440           | -0.23                           | ≤30                     | 2.269     | ≤36                | PASS    |
|          |         | 2480           | -0.69                           | ≤30                     | 1.809     | ≤36                | PASS    |
| BLE_2M   | Ant1    | 2402           | -0.22                           | ≤30                     | 2.279     | ≤36                | PASS    |
|          |         | 2440           | -0.23                           | ≤30                     | 2.269     | ≤36                | PASS    |
|          |         | 2480           | -0.66                           | ≤30                     | 1.839     | ≤36                | PASS    |

## Test Graphs Peak





BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



BLE\_2M\_Ant1\_2480



## Appendix D: Maximum power spectral density

### Test Result

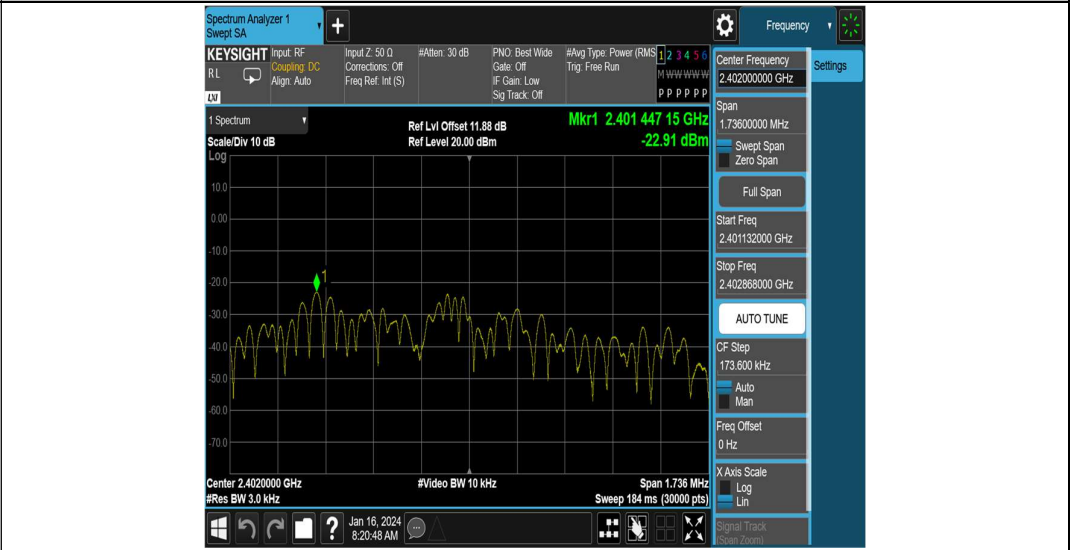
| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -20.38           | ≤8.00           | PASS    |
|          |         | 2440           | -20.11           | ≤8.00           | PASS    |
|          |         | 2480           | -20.58           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402           | -22.91           | ≤8.00           | PASS    |
|          |         | 2440           | -22.89           | ≤8.00           | PASS    |
|          |         | 2480           | -23.38           | ≤8.00           | PASS    |

## Test Graphs

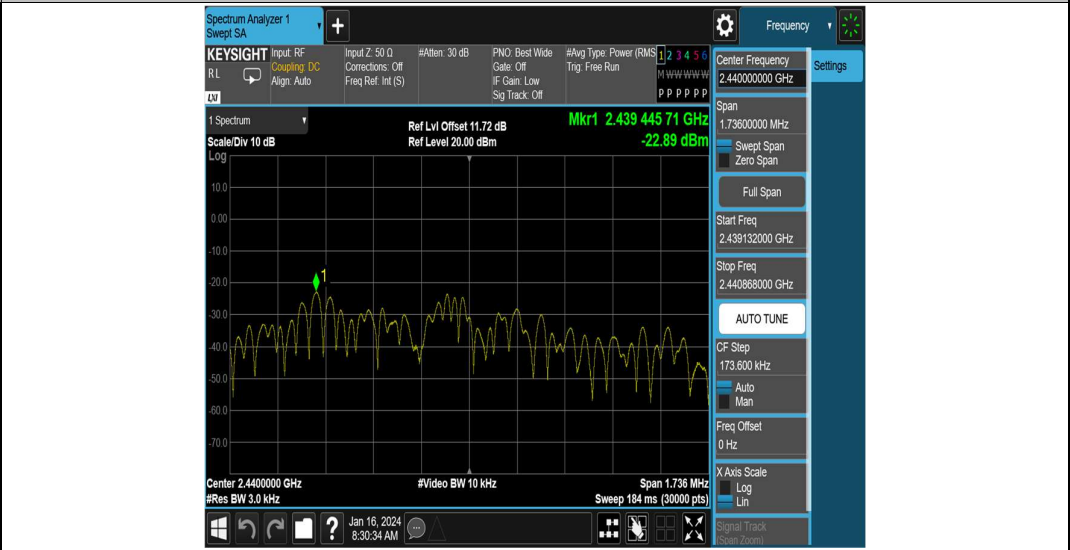




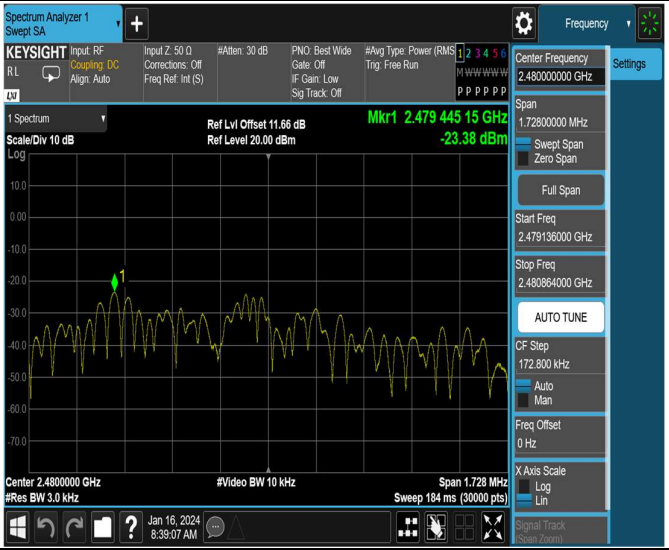
BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



BLE\_2M\_Ant1\_2480



Jan 16, 2024  
8:39:07 AM

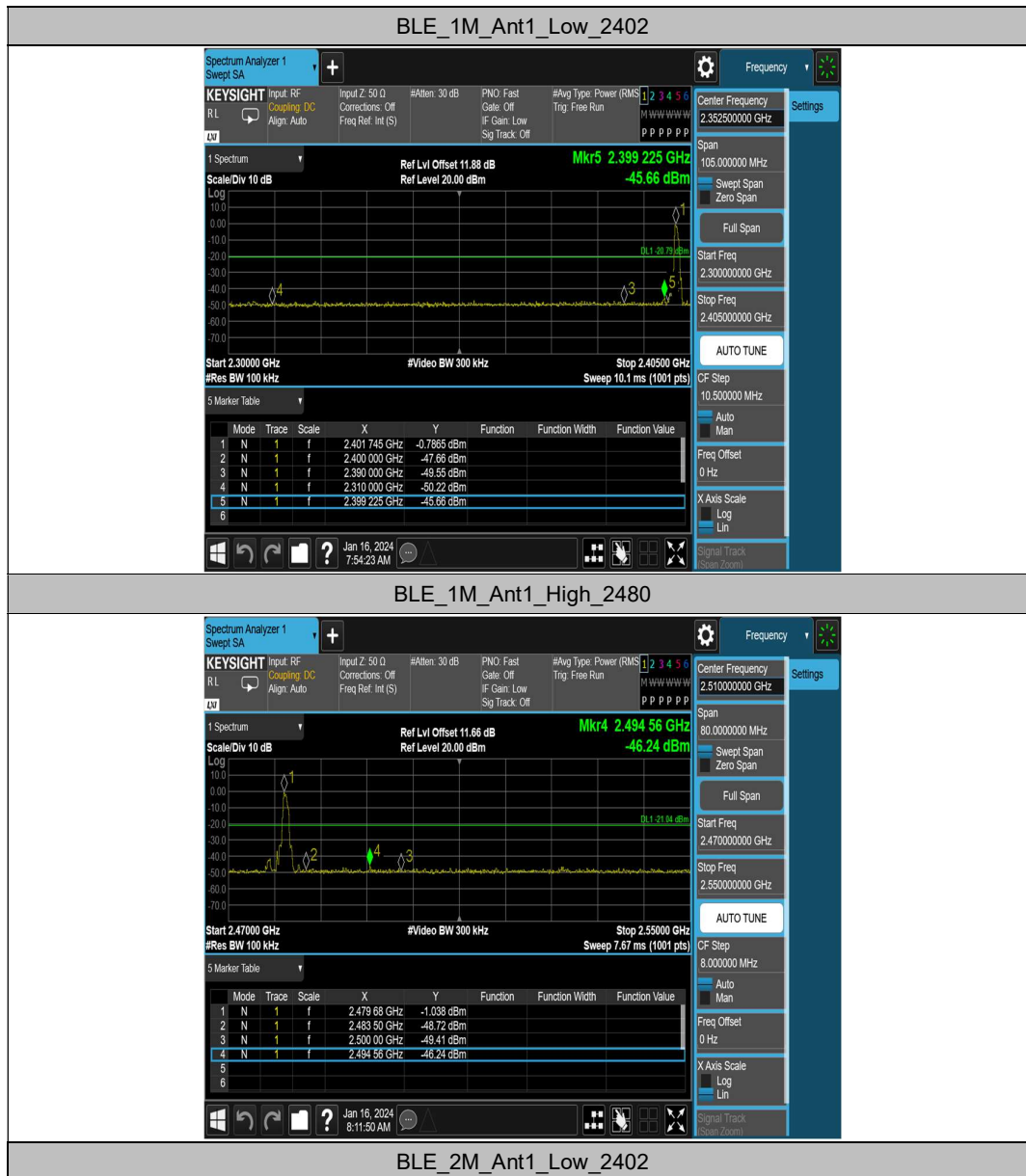


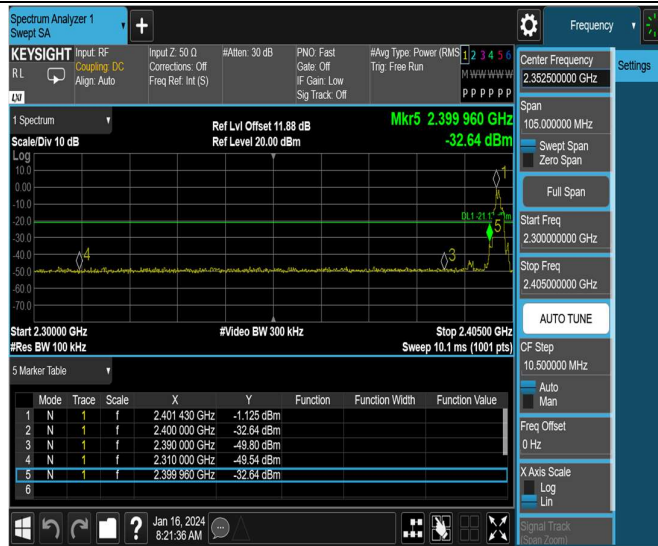
## Appendix E: Band edge measurements

### Test Result

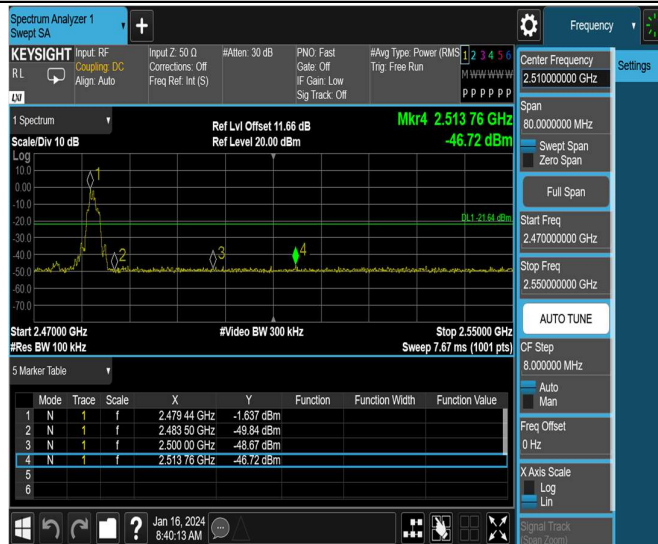
| TestMode | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low     | 2402           | -0.79         | -45.66      | ≤-20.79    | PASS    |
|          |         | High    | 2480           | -1.04         | -46.25      | ≤-21.04    | PASS    |
| BLE_2M   | Ant1    | Low     | 2402           | -1.13         | -32.65      | ≤-21.13    | PASS    |
|          |         | High    | 2480           | -1.64         | -46.72      | ≤-21.64    | PASS    |

## Test Graphs





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



## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|---------------|---------|
| BLE_1M   | Ant1    | 2402           | Reference       | -0.86          | -0.86       | ---           | PASS    |
|          |         |                | 30~1000         | -0.86          | -55.33      | $\leq -20.86$ | PASS    |
|          |         |                | 1000~26500      | -0.86          | -47.77      | $\leq -20.86$ | PASS    |
|          |         | 2440           | Reference       | -0.59          | -0.59       | ---           | PASS    |
|          |         |                | 30~1000         | -0.59          | -58.31      | $\leq -20.59$ | PASS    |
|          |         |                | 1000~26500      | -0.59          | -48.23      | $\leq -20.59$ | PASS    |
|          |         | 2480           | Reference       | -1.08          | -1.08       | ---           | PASS    |
|          |         |                | 30~1000         | -1.08          | -54.22      | $\leq -21.08$ | PASS    |
|          |         |                | 1000~26500      | -1.08          | -48.36      | $\leq -21.08$ | PASS    |
| BLE_2M   | Ant1    | 2402           | Reference       | -1.29          | -1.29       | ---           | PASS    |
|          |         |                | 30~1000         | -1.29          | -54.95      | $\leq -21.29$ | PASS    |
|          |         |                | 1000~26500      | -1.29          | -47.06      | $\leq -21.29$ | PASS    |
|          |         | 2440           | Reference       | -1.30          | -1.30       | ---           | PASS    |
|          |         |                | 30~1000         | -1.30          | -58.45      | $\leq -21.3$  | PASS    |
|          |         |                | 1000~26500      | -1.30          | -47.84      | $\leq -21.3$  | PASS    |
|          |         | 2480           | Reference       | -1.80          | -1.80       | ---           | PASS    |
|          |         |                | 30~1000         | -1.80          | -57.96      | $\leq -21.8$  | PASS    |
|          |         |                | 1000~26500      | -1.80          | -50.25      | $\leq -21.8$  | PASS    |