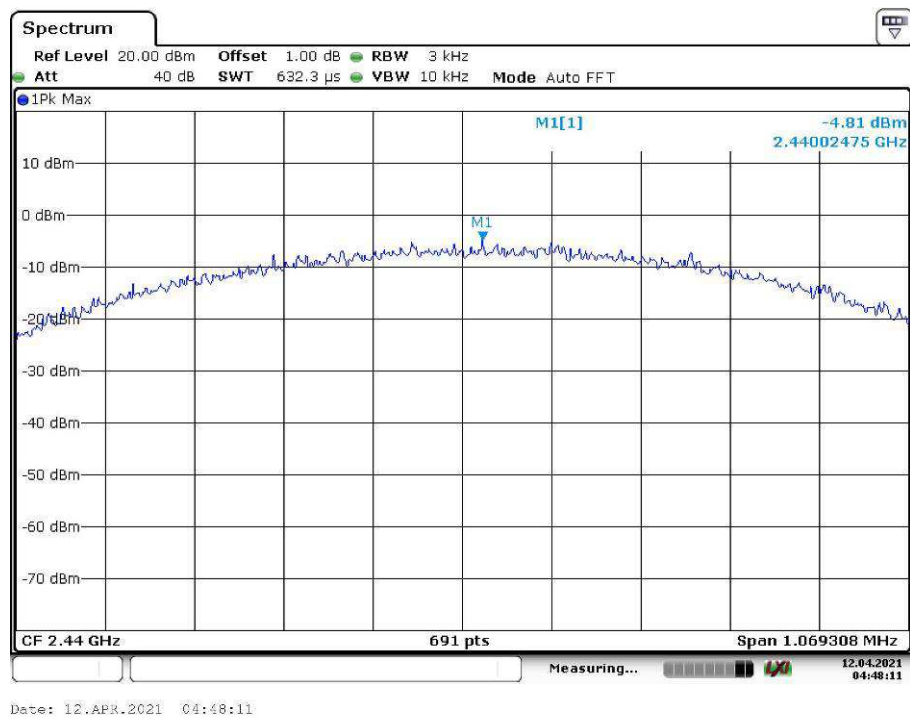
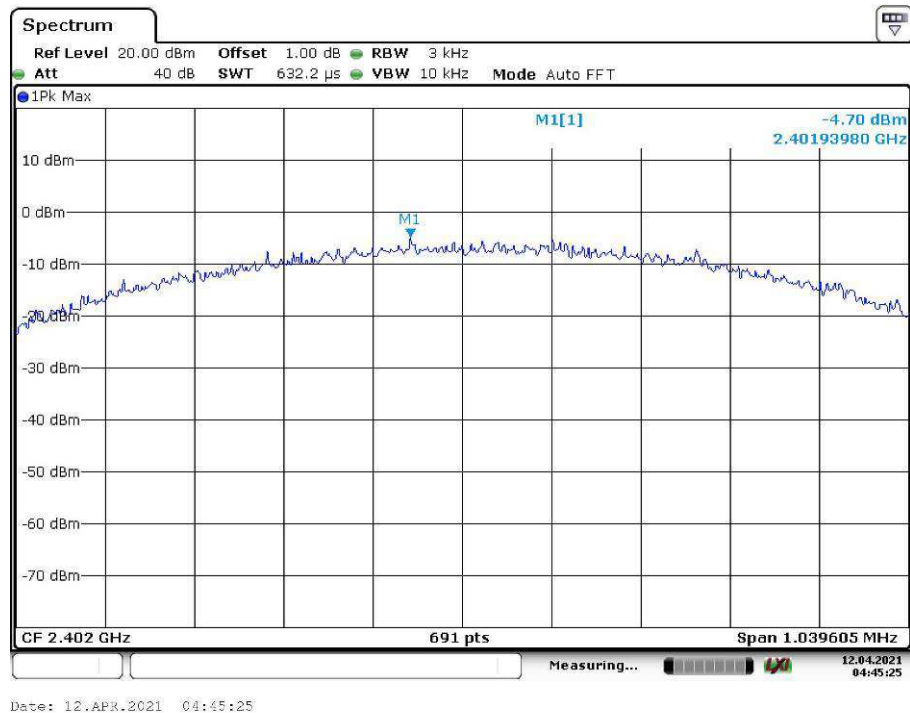


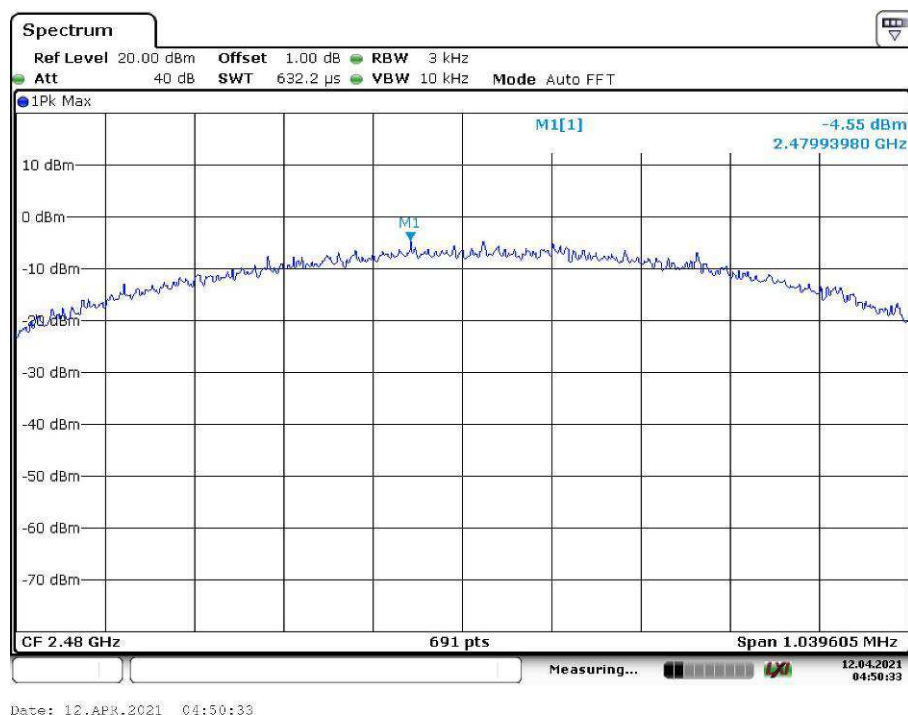
## Appendix B: Test Results of BLE

|                                                                                                      |           |
|------------------------------------------------------------------------------------------------------|-----------|
| <b>APPENDIX B: TEST RESULTS OF BLE .....</b>                                                         | <b>1</b>  |
| <b>APPENDIX B.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY .....</b>                          | <b>2</b>  |
| <i>GFSK(BLE) Mode, 1Mbps .....</i>                                                                   | <i>2</i>  |
| <i>GFSK(BLE) Mode, 2Mbps .....</i>                                                                   | <i>3</i>  |
| <b>APPENDIX B.2: TEST RESULTS OF 6DB BANDWIDTH.....</b>                                              | <b>5</b>  |
| <i>GFSK(BLE) Mode, 1Mbps .....</i>                                                                   | <i>5</i>  |
| <i>GFSK(BLE) Mode, 2Mbps .....</i>                                                                   | <i>8</i>  |
| <b>APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH.....</b>                                              | <b>11</b> |
| <i>GFSK(BLE) Mode, 1Mbps .....</i>                                                                   | <i>11</i> |
| <i>GFSK(BLE) Mode, 2Mbps .....</i>                                                                   | <i>14</i> |
| <b>APPENDIX B.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH.....</b> | <b>17</b> |
| <i>GFSK(BLE) Mode, 1Mbps .....</i>                                                                   | <i>17</i> |
| <i>GFSK(BLE) Mode, 2Mbps .....</i>                                                                   | <i>21</i> |
| <b>APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS .....</b>                               | <b>25</b> |
| <i>30 MHz to 1GHz.....</i>                                                                           | <i>25</i> |
| <i>1GHz-18GHz.....</i>                                                                               | <i>29</i> |
| <b>APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS .....</b>                    | <b>41</b> |

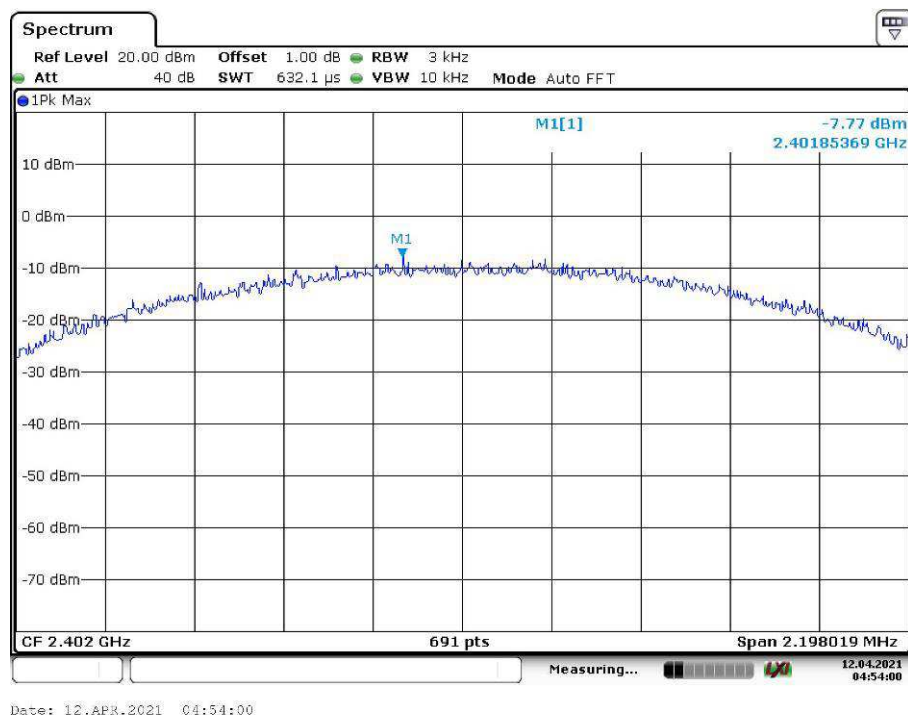
## Appendix B.1: Test Results of Conducted Power Spectral Density

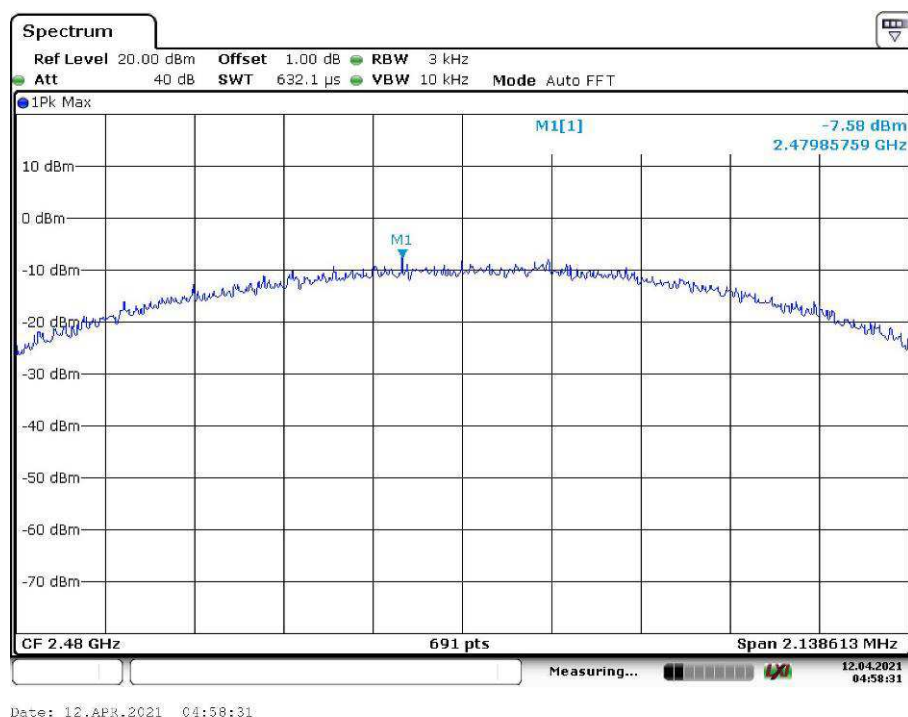
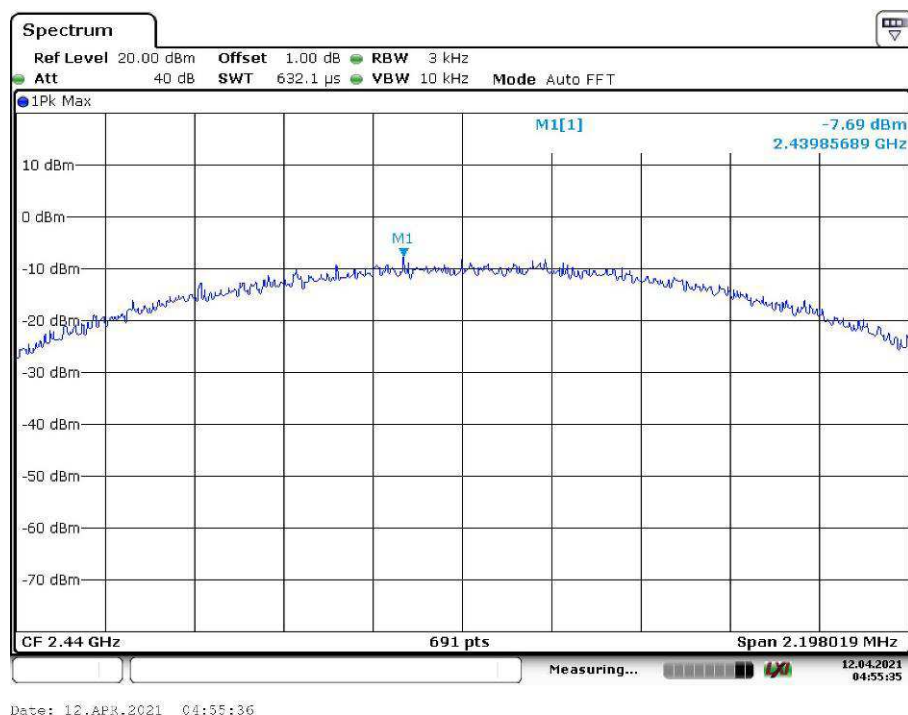
GFSK(BLE) Mode, 1Mbps





GFSK(BLE) Mode, 2Mbps





## Appendix B.2: Test Results of 6dB Bandwidth

GFSK(BLE) Mode, 1Mbps

FCC Part 47 §15.247 2400-2483.5 MHz 2017

### Minimum Emission Bandwidth 6 dB (2402 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

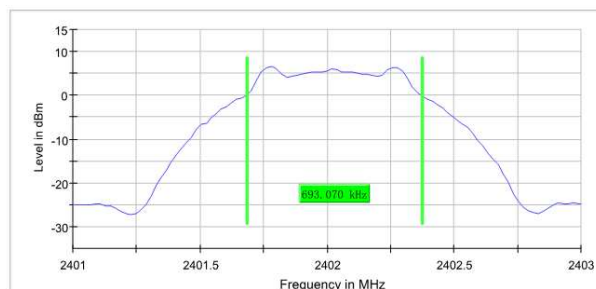
#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2402.000000         | 0.693070        | 0.500000        | ---             | 2401.683168          | 2402.376238           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2402.000000         | 6.5             | PASS   |

6 dB Bandwidth



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40100 GHz      | 2.40100 GHz   |
| Stop Frequency        | 2.40300 GHz      | 2.40300 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 8 / max. 150     | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

FCC Part 47 §15.247 2400-2483.5 MHz 2017

**Minimum Emission Bandwidth 6 dB (2440 MHz; 10.000 dBm; 1 MHz)**

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

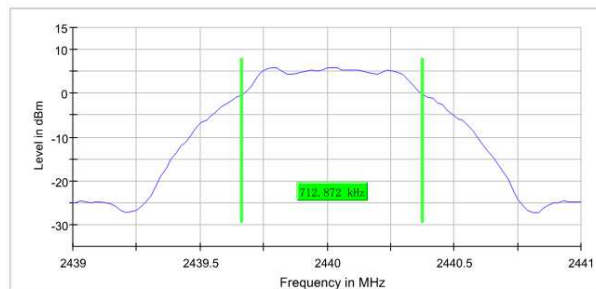
**6 dB Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2440.000000         | 0.712872        | 0.500000        | ---             | 2439.663366          | 2440.376238           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2440.000000         | 5.9             | PASS   |

6 dB Bandwidth



**Measurement**

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43900 GHz      | 2.43900 GHz   |
| Stop Frequency        | 2.44100 GHz      | 2.44100 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 7 / max. 150     | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

FCC Part 47 §15.247 2400-2483.5 MHz 2017

**Minimum Emission Bandwidth 6 dB (2480 MHz; 10.000 dBm; 1 MHz)**

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

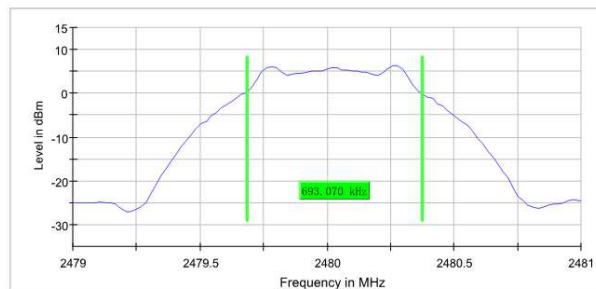
**6 dB Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2480.000000         | 0.693070        | 0.500000        | ---             | 2479.683168          | 2480.376238           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2480.000000         | 6.3             | PASS   |

6 dB Bandwidth



**Measurement**

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47900 GHz      | 2.47900 GHz   |
| Stop Frequency        | 2.48100 GHz      | 2.48100 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 9 / max. 150     | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.06 dB          | 0.50 dB       |

## GFSK(BLE) Mode, 2Mbps

FCC Part 47 §15.247 2400-2483.5 MHz 2017

### Minimum Emission Bandwidth 6 dB (2402 MHz; 10.000 dBm; 2 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

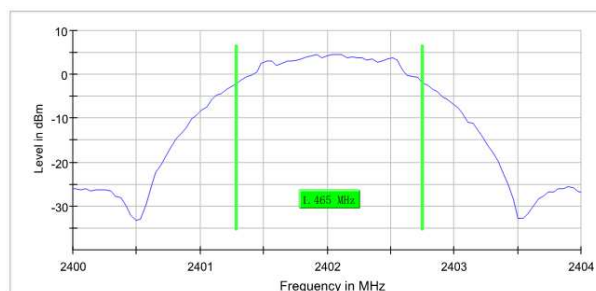
#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2402.000000         | 1.465346        | 0.500000        | ---             | 2401.287129          | 2402.752475           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2402.000000         | 4.5             | PASS   |

6 dB Bandwidth



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40000 GHz      | 2.40000 GHz   |
| Stop Frequency        | 2.40400 GHz      | 2.40400 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 80          |
| SweepTime             | 18.938 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 18 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.32 dB          | 0.50 dB       |



FCC Part 47 §15.247 2400-2483.5 MHz 2017

**Minimum Emission Bandwidth 6 dB (2440 MHz; 10.000 dBm; 2 MHz)**

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

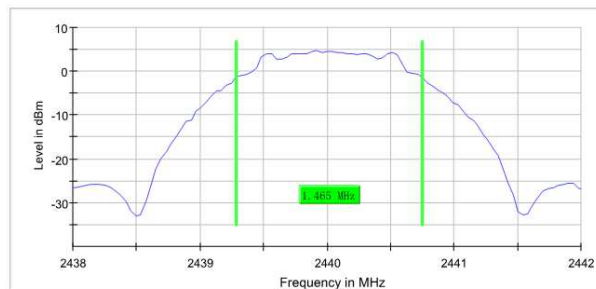
**6 dB Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2440.000000         | 1.465346        | 0.500000        | ---             | 2439.287129          | 2440.752475           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2440.000000         | 4.8             | PASS   |

6 dB Bandwidth



**Measurement**

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43800 GHz      | 2.43800 GHz   |
| Stop Frequency        | 2.44200 GHz      | 2.44200 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 80          |
| SweepTime             | 18.938 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 22 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.22 dB          | 0.50 dB       |

FCC Part 47 §15.247 2400-2483.5 MHz 2017

**Minimum Emission Bandwidth 6 dB (2480 MHz; 10.000 dBm; 2 MHz)**

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

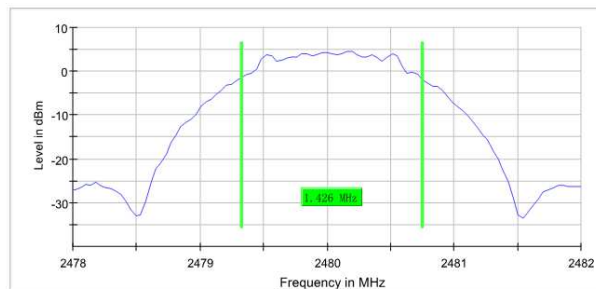
**6 dB Bandwidth**

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2480.000000         | 1.425742        | 0.500000        | ---             | 2479.326733          | 2480.752475           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2480.000000         | 4.6             | PASS   |

6 dB Bandwidth



**Measurement**

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47800 GHz      | 2.47800 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 80          |
| SweepTime             | 18.938 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 24 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.07 dB          | 0.50 dB       |

## Appendix B.3: Test Results of 99% Bandwidth

GFSK(BLE) Mode, 1Mbps

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2402 MHz; 10.000 dBm; 1 MHz)

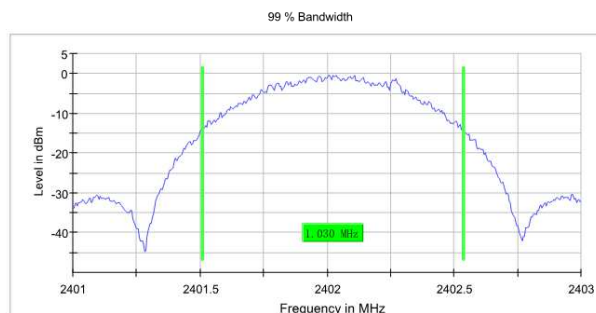
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2402.000000         | 1.030000        | ---             | ---             | 2401.507500          | 2402.537500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40100 GHz      | 2.40100 GHz   |
| Stop Frequency        | 2.40300 GHz      | 2.40300 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 10.000 kHz       | >= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 189.648 µs       | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 48 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.00 dB          | 0.30 dB       |

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2440 MHz; 10.000 dBm; 1 MHz)

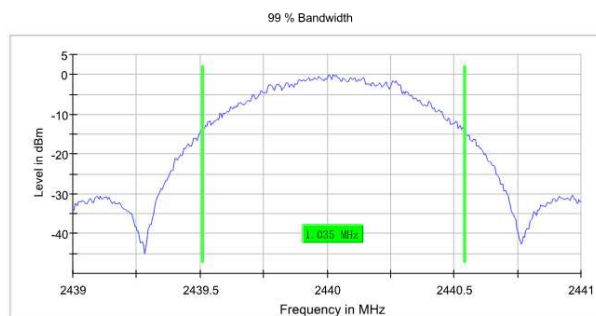
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

#### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2440.000000         | 1.035000        | ---             | ---             | 2439.507500          | 2440.542500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43900 GHz      | 2.43900 GHz   |
| Stop Frequency        | 2.44100 GHz      | 2.44100 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 10.000 kHz       | >= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 189.648 µs       | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 38 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.00 dB          | 0.30 dB       |

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2480 MHz; 10.000 dBm; 1 MHz)

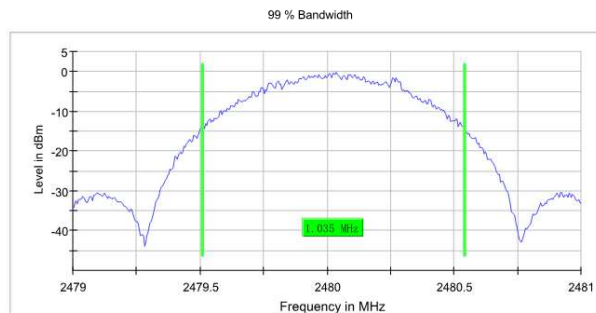
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

#### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2480.000000         | 1.035000        | ---             | ---             | 2479.507500          | 2480.542500           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47900 GHz      | 2.47900 GHz   |
| Stop Frequency        | 2.48100 GHz      | 2.48100 GHz   |
| Span                  | 2.000 MHz        | 2.000 MHz     |
| RBW                   | 10.000 kHz       | >= 10.000 kHz |
| VBW                   | 30.000 kHz       | >= 30.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 189.648 µs       | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 44 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.14 dB          | 0.30 dB       |

## GFSK(BLE) Mode, 2Mbps

FCC Part 47 §15.247 2400-2483.5 MHz 2017

### Occupied Channel Bandwidth 99% (2402 MHz; 10.000 dBm; 2 MHz)

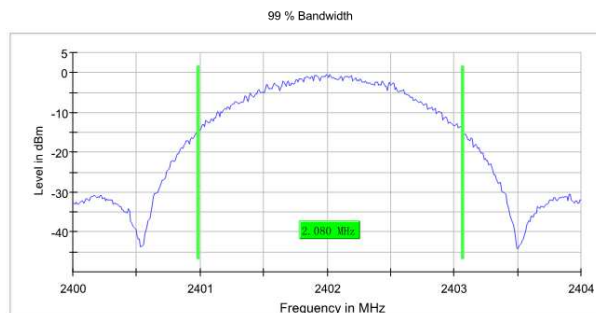
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

#### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2402.000000         | 2.080000        | ---             | ---             | 2400.985000          | 2403.065000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40000 GHz      | 2.40000 GHz   |
| Stop Frequency        | 2.40400 GHz      | 2.40400 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 20.000 kHz       | >= 20.000 kHz |
| VBW                   | 100.000 kHz      | >= 60.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 94.824 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 41 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.20 dB          | 0.30 dB       |

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2440 MHz; 10.000 dBm; 2 MHz)

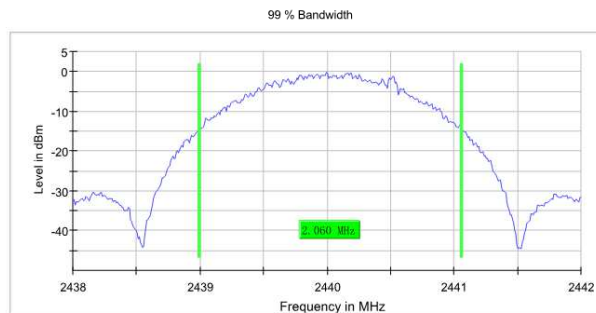
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

#### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2440.000000         | 2.060000        | ---             | ---             | 2438.995000          | 2441.055000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43800 GHz      | 2.43800 GHz   |
| Stop Frequency        | 2.44200 GHz      | 2.44200 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 20.000 kHz       | >= 20.000 kHz |
| VBW                   | 100.000 kHz      | >= 60.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 94.824 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 36 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.26 dB          | 0.30 dB       |

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2480 MHz; 10.000 dBm; 2 MHz)

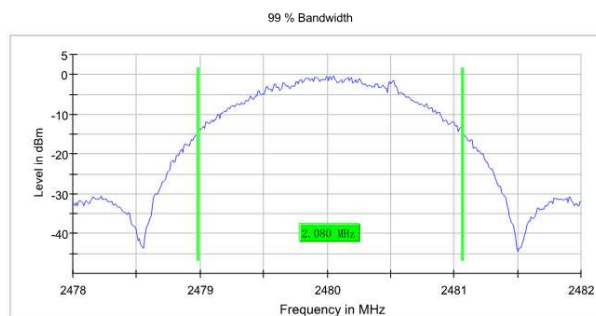
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

#### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2480.000000         | 2.080000        | ---             | ---             | 2478.985000          | 2481.065000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |



#### Measurement

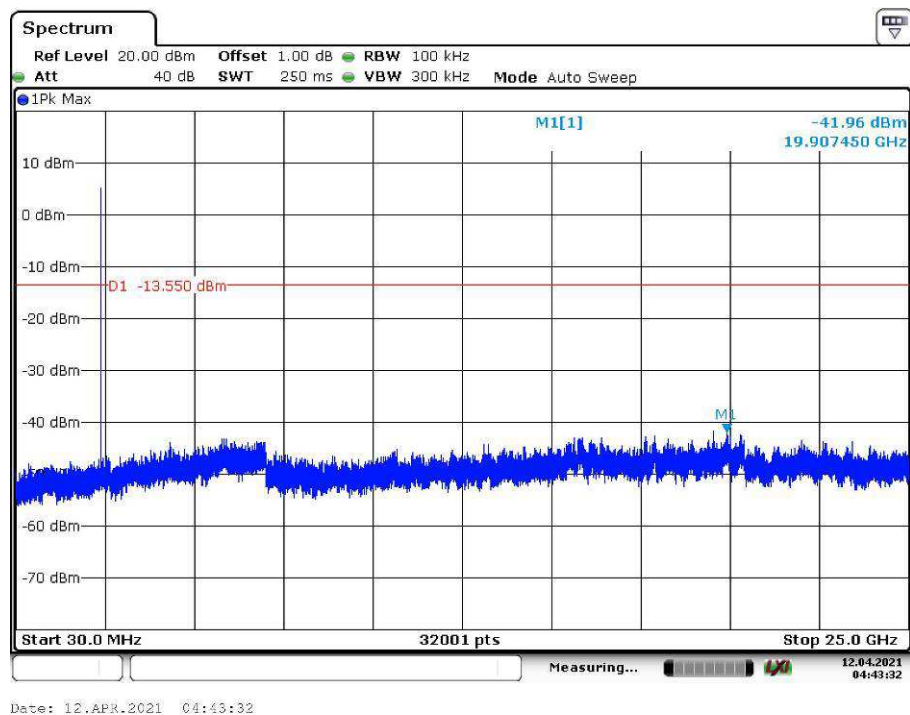
| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47800 GHz      | 2.47800 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 20.000 kHz       | >= 20.000 kHz |
| VBW                   | 100.000 kHz      | >= 60.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 94.824 µs        | AUTO          |
| Reference Level       | 0.000 dBm        | 0.000 dBm     |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.30 dB          | 0.30 dB       |
| Run                   | 49 / max. 150    | max. 150      |
| Stable                | 3 / 3            | 3             |
| Max Stable Difference | 0.00 dB          | 0.30 dB       |



## Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

GFSK(BLE) Mode, 1Mbps

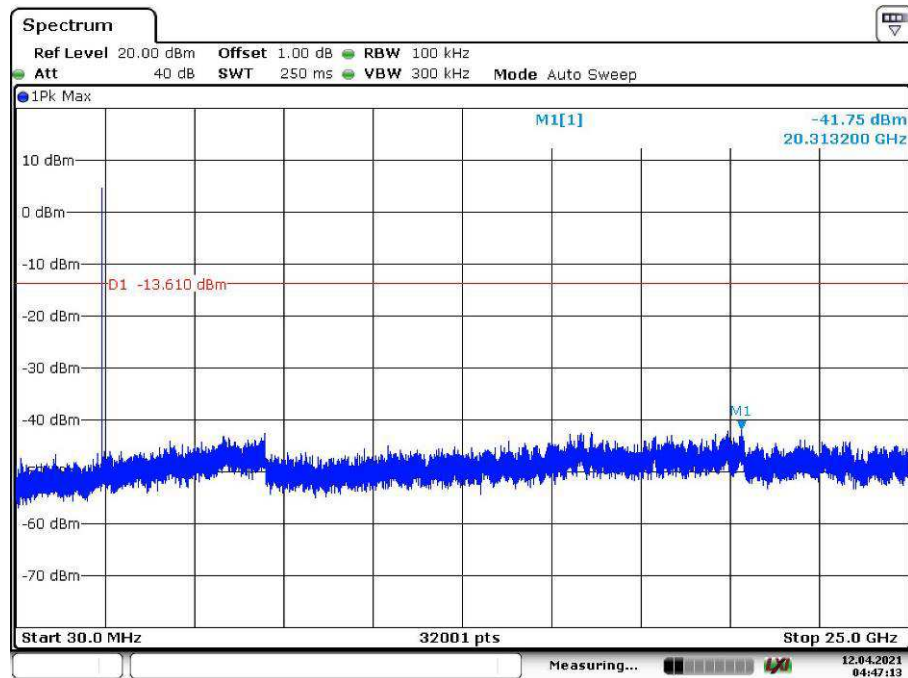
Low Channel:



Middle Channel:



Date: 12.APR.2021 04:59:38

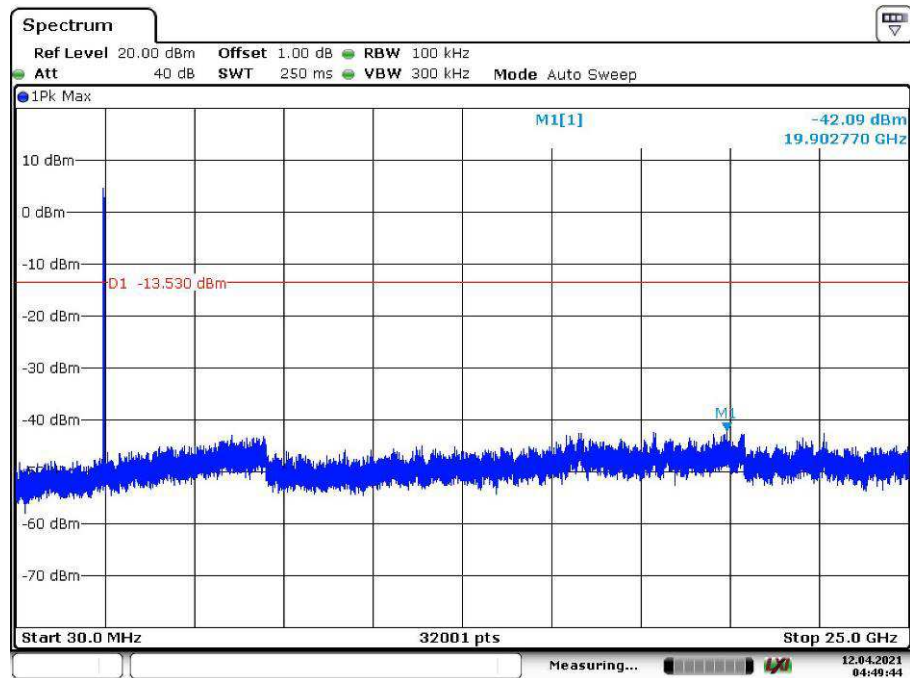


Date: 12.APR.2021 04:47:13

High Channel:

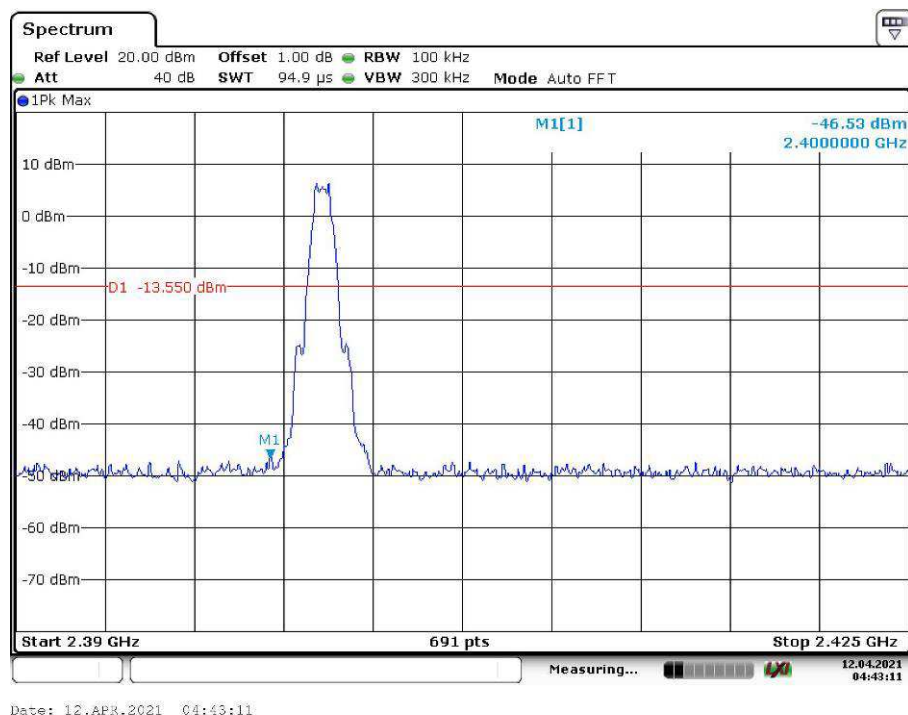


Date: 12.APR.2021 05:00:08

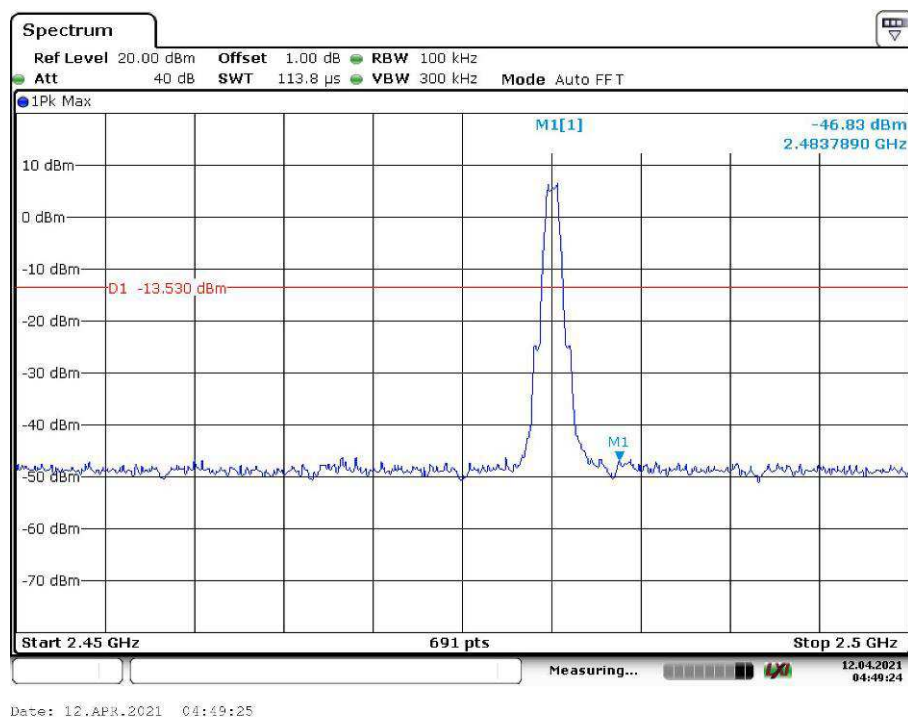


Date: 12.APR.2021 04:49:44

Band Edge, Low Channel:



Band Edge, High Channel:

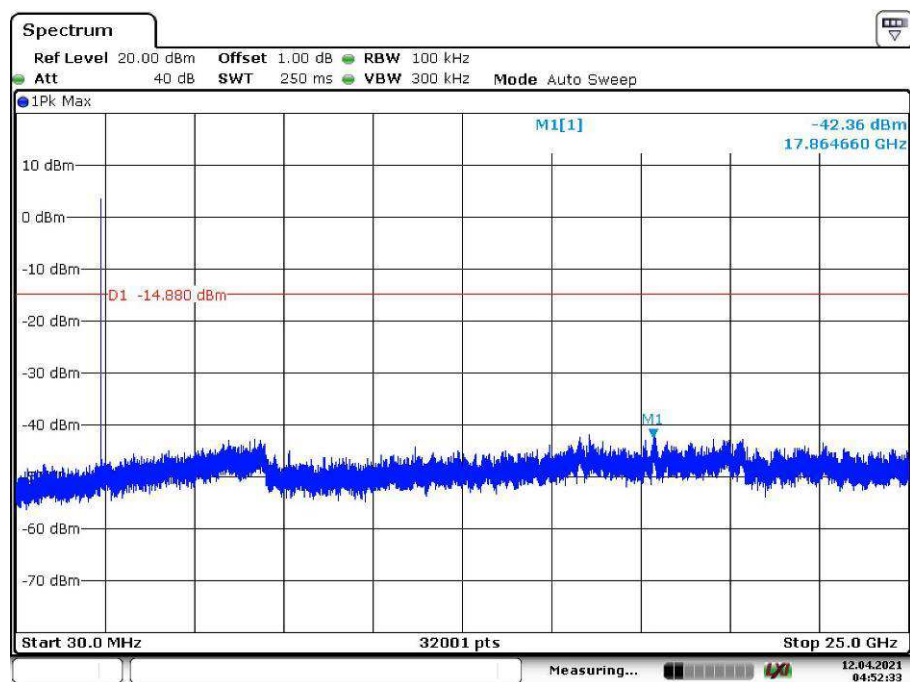


GFSK(BLE) Mode, 2Mbps

Low Channel:



Date: 12.APR.2021 04:51:48

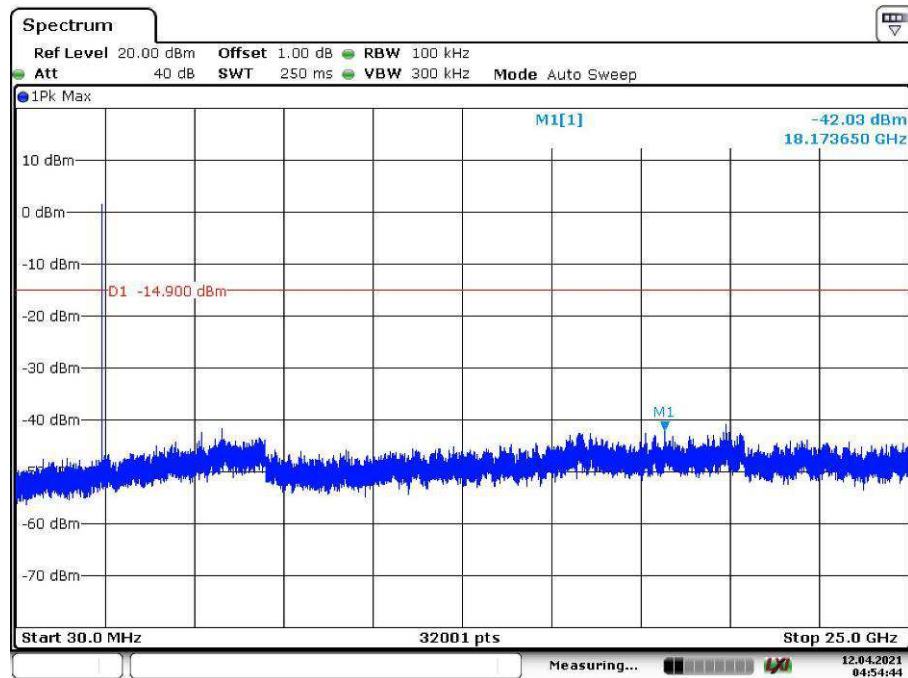


Date: 12.APR.2021 04:52:34

Middle Channel:



Date: 12.APR.2021 04:54:21

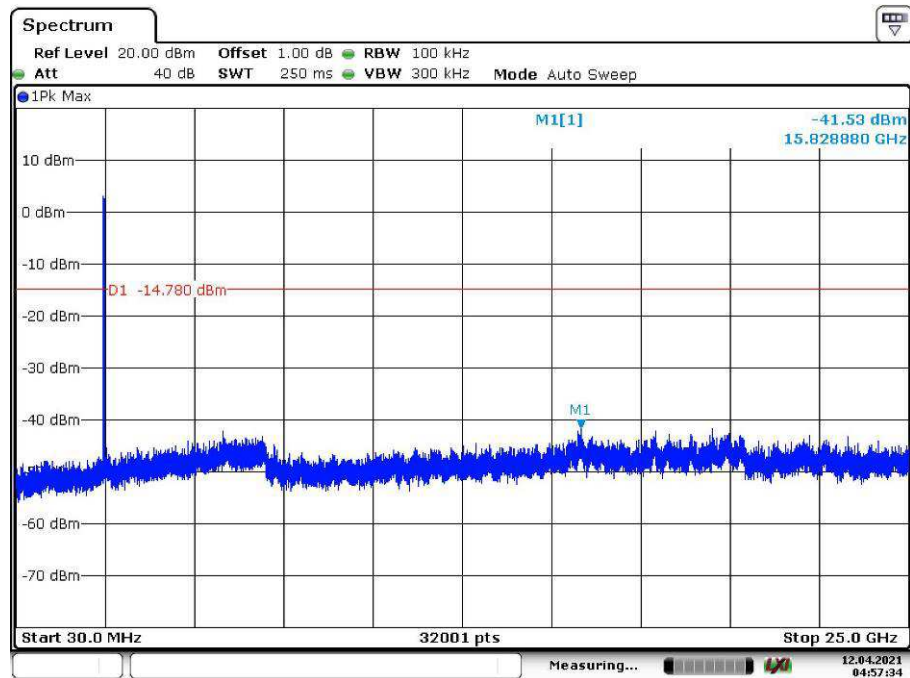


Date: 12.APR.2021 04:54:44

High Channel:



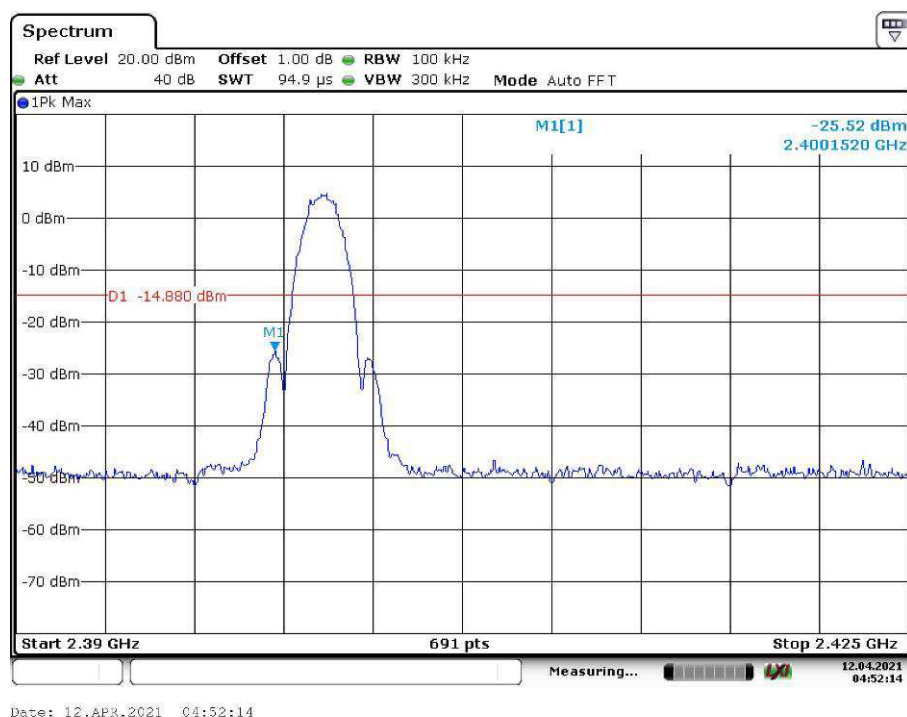
Date: 12.APR.2021 04:56:41



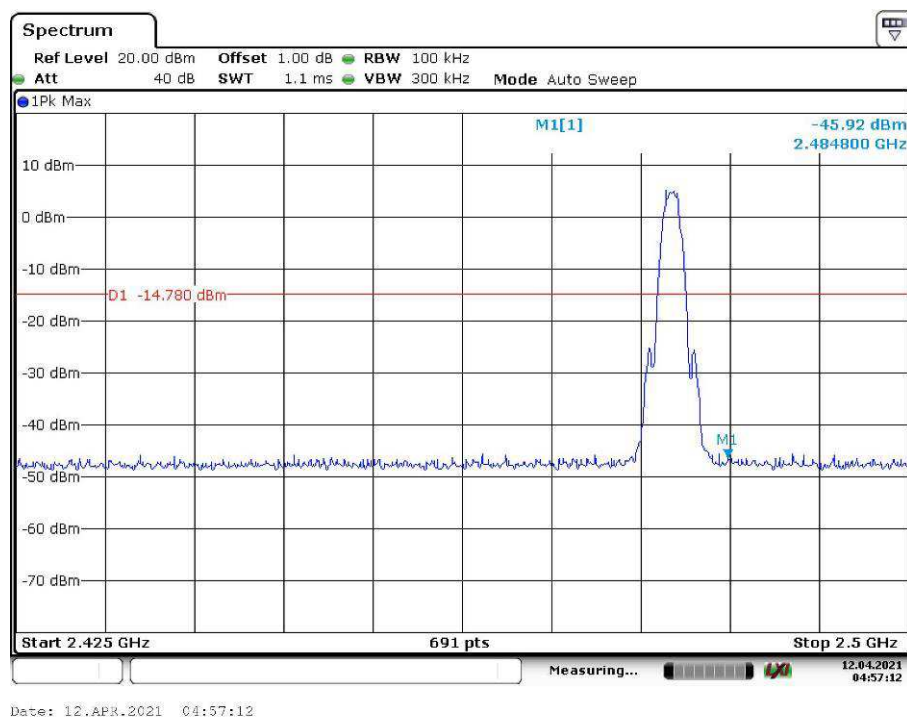
Date: 12.APR.2021 04:57:34



# Band Edge, Low Channel:



# Band Edge, High Channel:





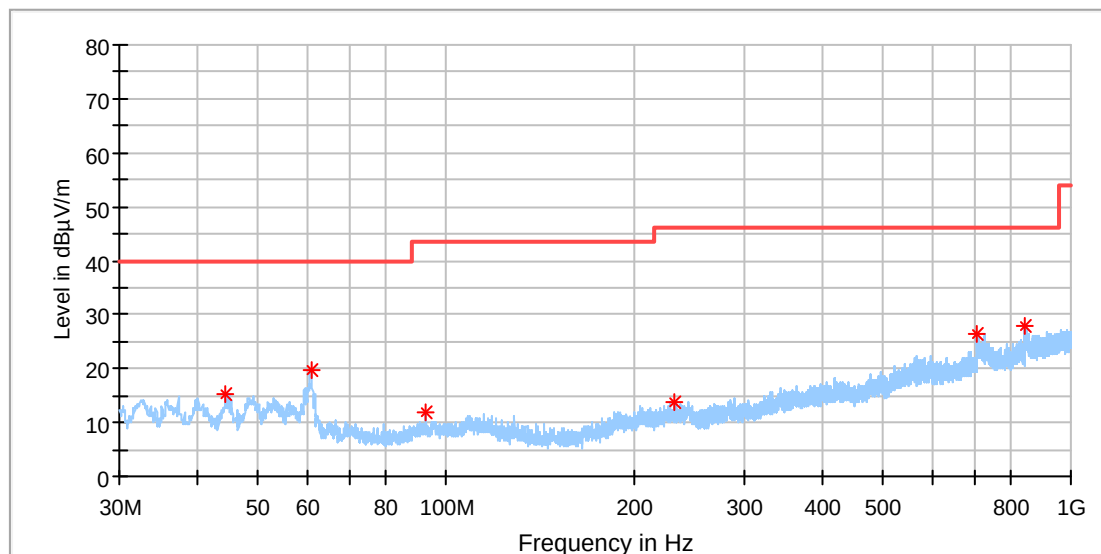
## Appendix B.5: Test Results of Radiated Spurious Emissions

Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
  - 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
- 30 MHz to 1GHz

### EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Low channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



### Critical\_Freqs

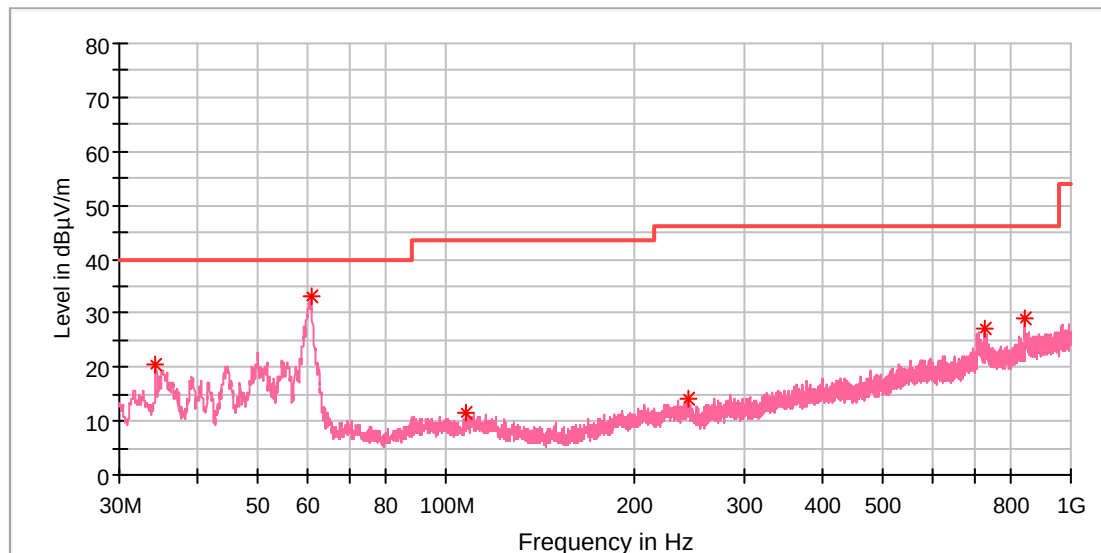
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 44.501500       | 15.15            | 40.00          | 24.85       | 100.0       | H   | 240.0         | -19.3        |
| 60.797500       | 19.64            | 40.00          | 20.36       | 100.0       | H   | 326.0         | -19.5        |
| 93.098500       | 11.75            | 43.50          | 31.75       | 100.0       | H   | 120.0         | -20.5        |
| 231.372000      | 13.70            | 46.00          | 32.30       | 100.0       | H   | 199.0         | -18.4        |
| 709.242500      | 26.39            | 46.00          | 19.61       | 100.0       | H   | 110.0         | -8.3         |
| 844.994000      | 28.07            | 46.00          | 17.93       | 100.0       | H   | 169.0         | -6.0         |

### Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Low channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

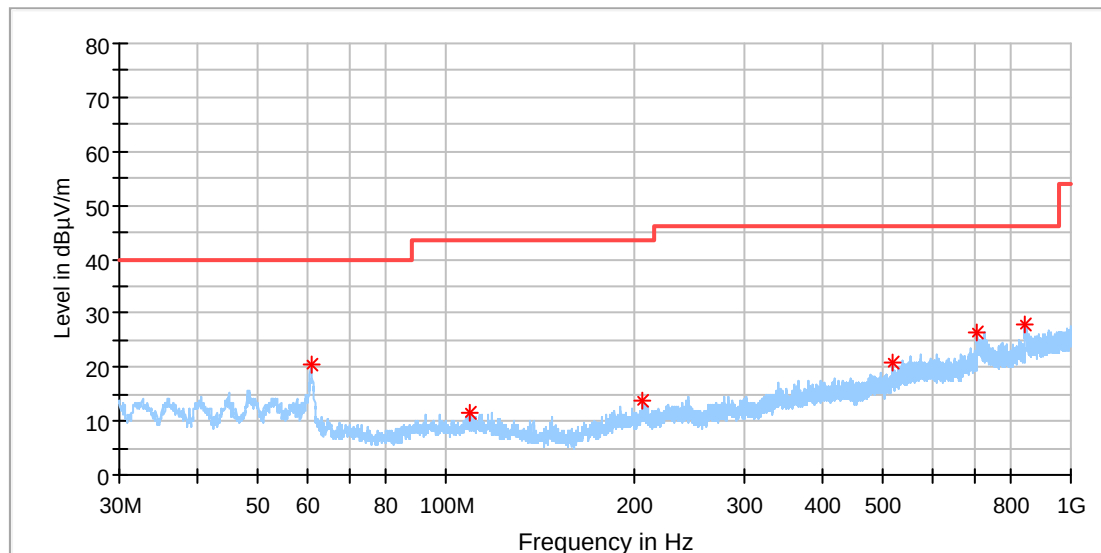
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 34.365000       | 20.39            | 40.00          | 19.61       | 100.0       | V   | 0.0           | -22.5        |
| 60.797500       | 33.14            | 40.00          | 6.86        | 100.0       | V   | 150.0         | -19.5        |
| 107.745500      | 11.53            | 43.50          | 31.97       | 100.0       | V   | 87.0          | -19.3        |
| 244.176000      | 14.19            | 46.00          | 31.81       | 100.0       | V   | 127.0         | -17.9        |
| 729.515500      | 27.18            | 46.00          | 18.82       | 100.0       | V   | 329.0         | -7.9         |
| 844.945500      | 29.08            | 46.00          | 16.92       | 100.0       | V   | 288.0         | -6.0         |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_High channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

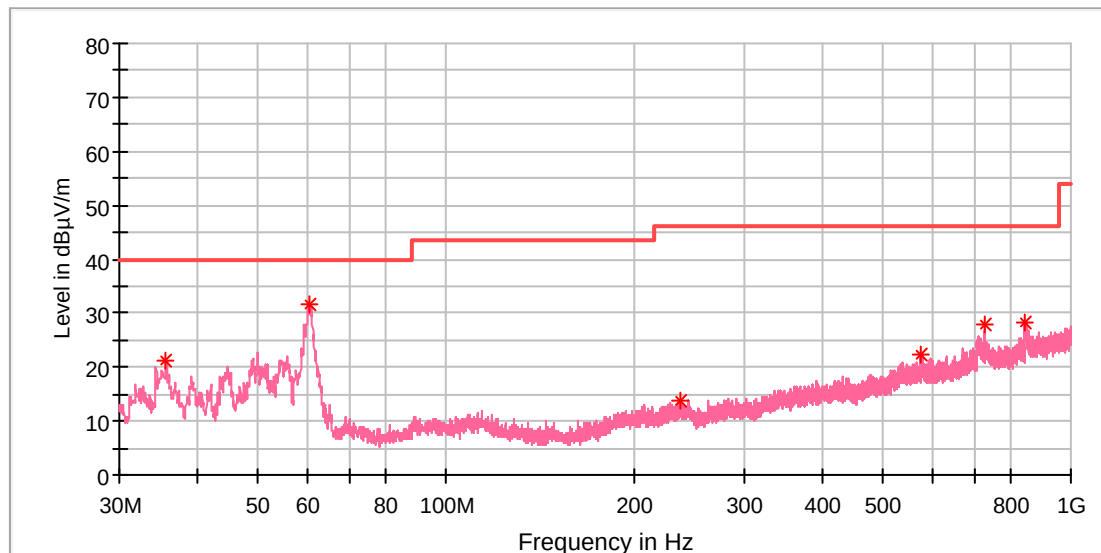
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 60.749000       | 20.28            | 40.00          | 19.72       | 100.0       | H   | 214.0         | -19.5        |
| 109.588500      | 11.67            | 43.50          | 31.83       | 100.0       | H   | 105.0         | -19.4        |
| 205.667000      | 13.89            | 43.50          | 29.61       | 100.0       | H   | 306.0         | -19.2        |
| 519.074000      | 21.01            | 46.00          | 24.99       | 100.0       | H   | 73.0          | -11.9        |
| 709.388000      | 26.39            | 46.00          | 19.61       | 100.0       | H   | 306.0         | -8.3         |
| 845.091000      | 27.76            | 46.00          | 18.24       | 100.0       | H   | 245.0         | -6.0         |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_High channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 35.674500       | 21.12            | 40.00          | 18.88       | 100.0       | V   | 256.0         | -22.0        |
| 60.409500       | 31.70            | 40.00          | 8.30        | 100.0       | V   | 228.0         | -19.4        |
| 236.949500      | 13.80            | 46.00          | 32.20       | 100.0       | V   | 0.0           | -18.1        |
| 574.267000      | 22.41            | 46.00          | 23.59       | 100.0       | V   | 209.0         | -10.7        |
| 728.982000      | 27.95            | 46.00          | 18.05       | 100.0       | V   | 63.0          | -7.9         |
| 845.479000      | 28.21            | 46.00          | 17.79       | 100.0       | V   | 81.0          | -6.0         |

## Final\_Result

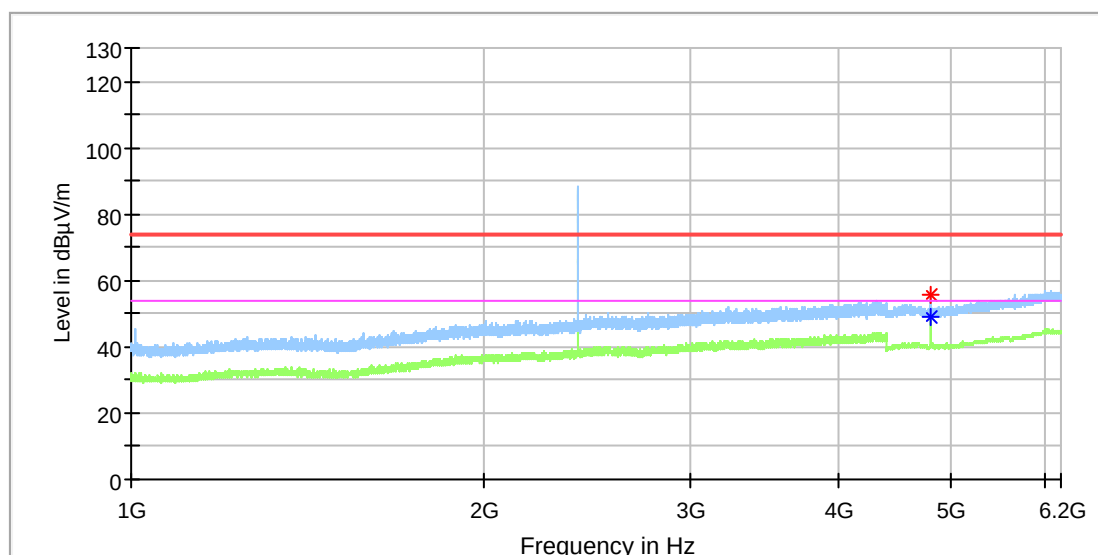
| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         |     | ---           | ---          |

1GHz-18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Low channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

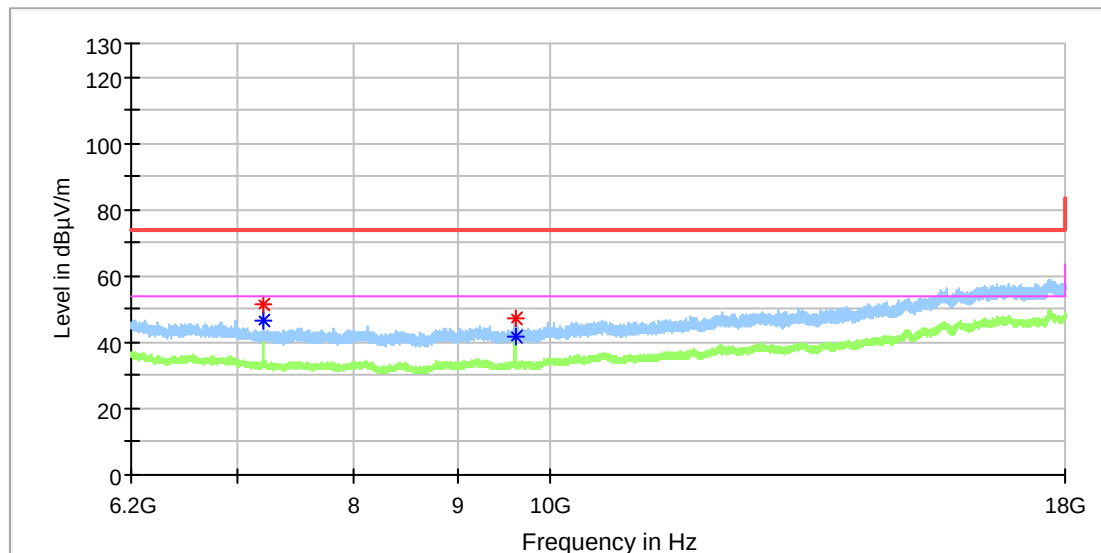
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4803.500000     | 55.35            | ---              | 74.00          | 18.65       | 100.0       | H   | 68.0          | 11.8         |
| 4804.000000     | ---              | 49.25            | 54.00          | 4.75        | 100.0       | H   | 40.0          | 11.8         |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Low channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

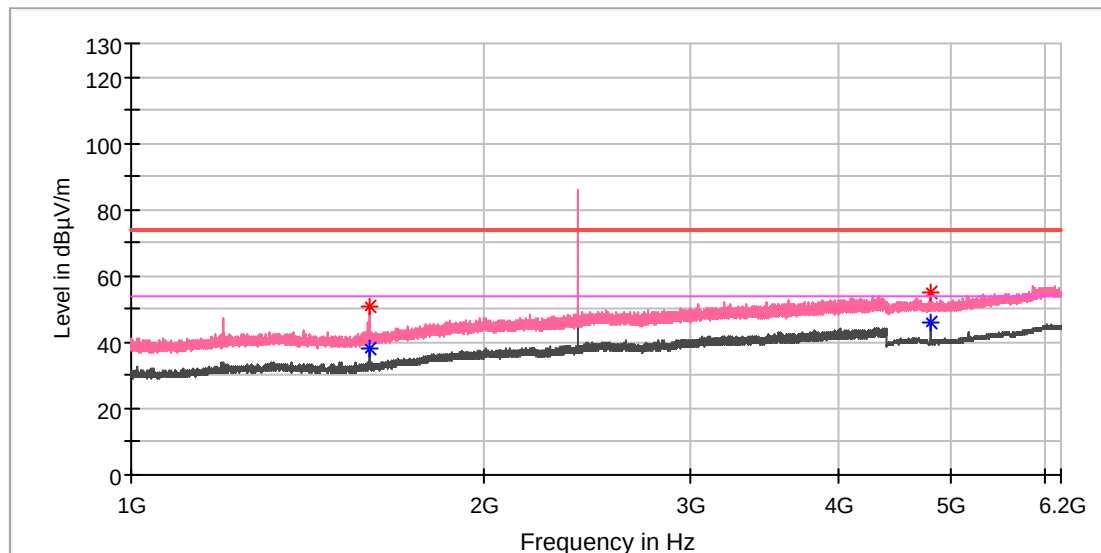
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7204.966667     | 51.39            | ---              | 74.00          | 22.61       | 100.0       | H   | 290.0         | 8.8          |
| 7205.458333     | ---              | 46.73            | 54.00          | 7.27        | 100.0       | H   | 304.0         | 8.8          |
| 9608.233333     | 47.02            | ---              | 74.00          | 26.98       | 100.0       | H   | 222.0         | 10.4         |
| 9608.233333     | ---              | 41.91            | 54.00          | 12.09       | 100.0       | H   | 222.0         | 10.4         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Low channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

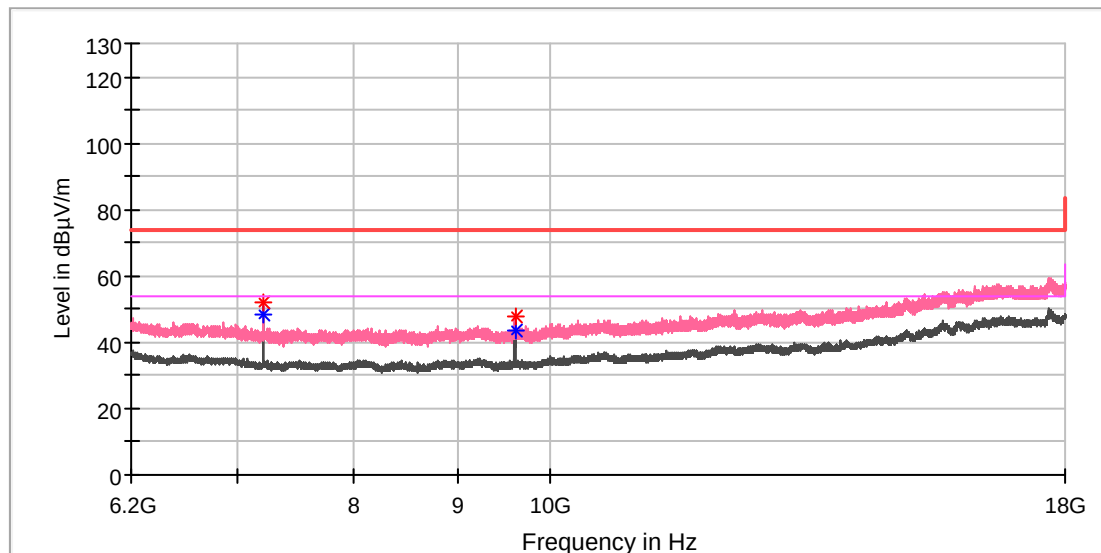
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1599.590000     | ---              | 37.85            | 54.00          | 16.15       | 100.0       | V   | 183.0         | 2.1          |
| 1599.590000     | 50.59            | ---              | 74.00          | 23.41       | 100.0       | V   | 183.0         | 2.1          |
| 4801.500000     | 55.11            | ---              | 74.00          | 18.89       | 100.0       | V   | 34.0          | 11.8         |
| 4804.000000     | ---              | 45.70            | 54.00          | 8.30        | 100.0       | V   | 219.0         | 11.8         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Low channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7205.458333     | ---              | 48.30            | 54.00          | 5.70        | 100.0       | V   | 250.0         | 8.8          |
| 7205.458333     | 52.24            | ---              | 74.00          | 21.76       | 100.0       | V   | 250.0         | 8.8          |
| 9608.233333     | 48.01            | ---              | 74.00          | 25.99       | 100.0       | V   | 70.0          | 10.4         |
| 9608.233333     | ---              | 43.49            | 54.00          | 10.51       | 100.0       | V   | 70.0          | 10.4         |

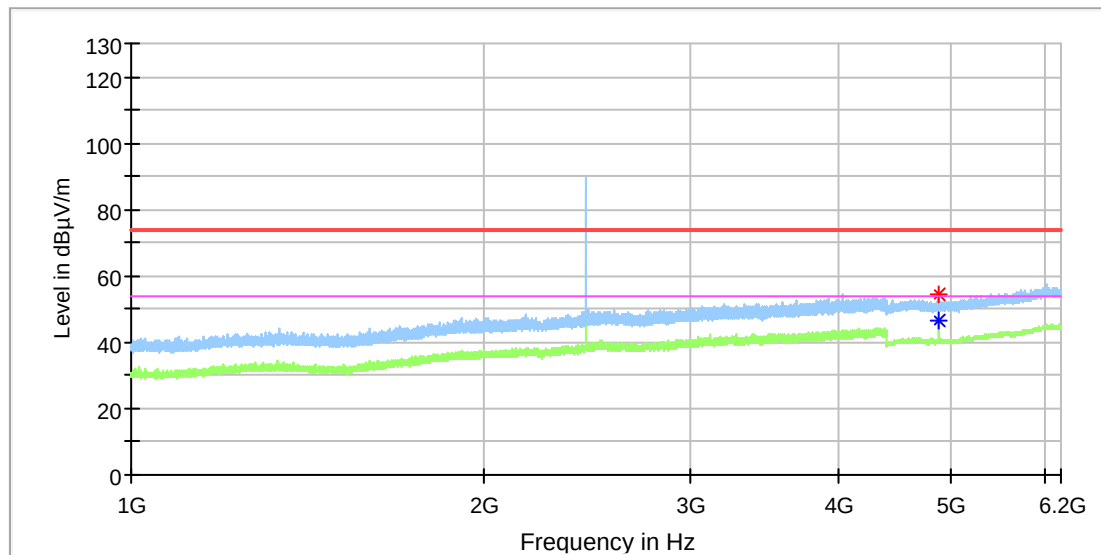
## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |



## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Mid channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

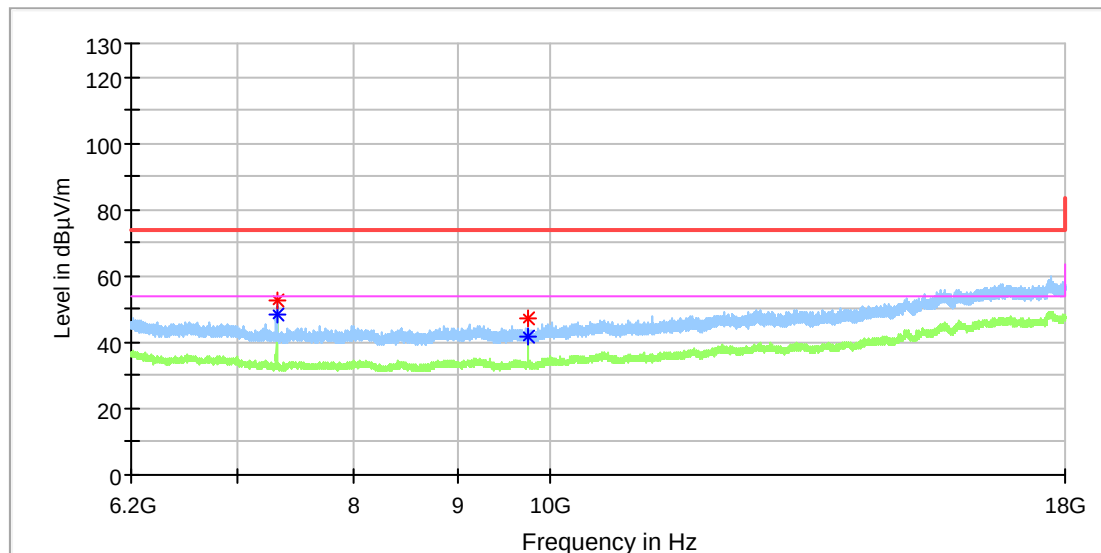
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4880.000000     | ---              | 46.81            | 54.00          | 7.19        | 100.0       | H   | 229.0         | 11.8         |
| 4881.500000     | 54.33            | ---              | 74.00          | 19.67       | 100.0       | H   | 288.0         | 11.8         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Mid channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

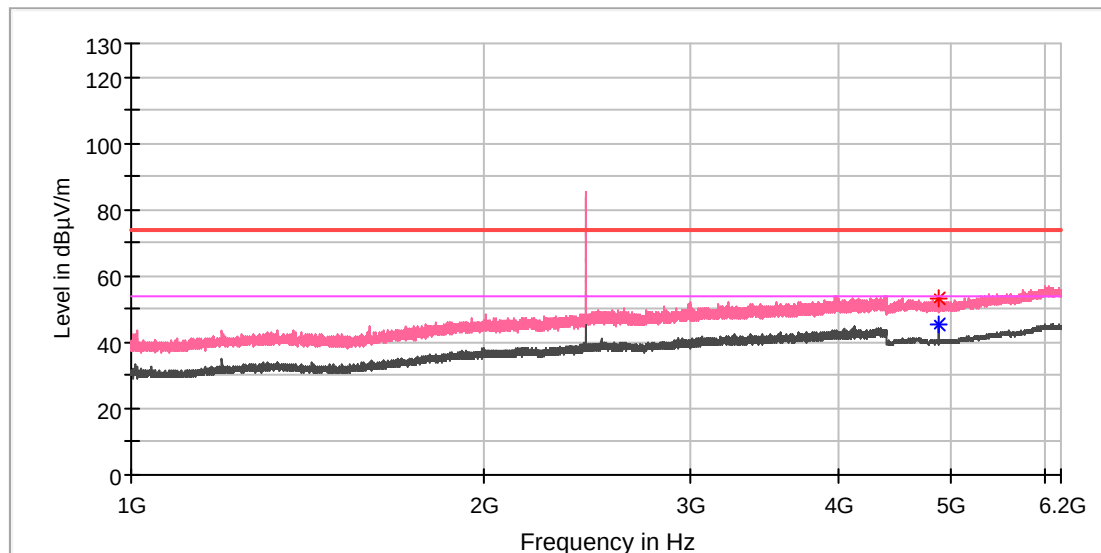
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7319.033333     | ---              | 48.18            | 54.00          | 5.82        | 100.0       | H   | 294.0         | 8.2          |
| 7320.016667     | 52.48            | ---              | 74.00          | 21.52       | 100.0       | H   | 294.0         | 8.2          |
| 9759.175000     | ---              | 41.85            | 54.00          | 12.15       | 100.0       | H   | 23.0          | 10.4         |
| 9760.650000     | 46.99            | ---              | 74.00          | 27.01       | 100.0       | H   | 23.0          | 10.4         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Mid channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

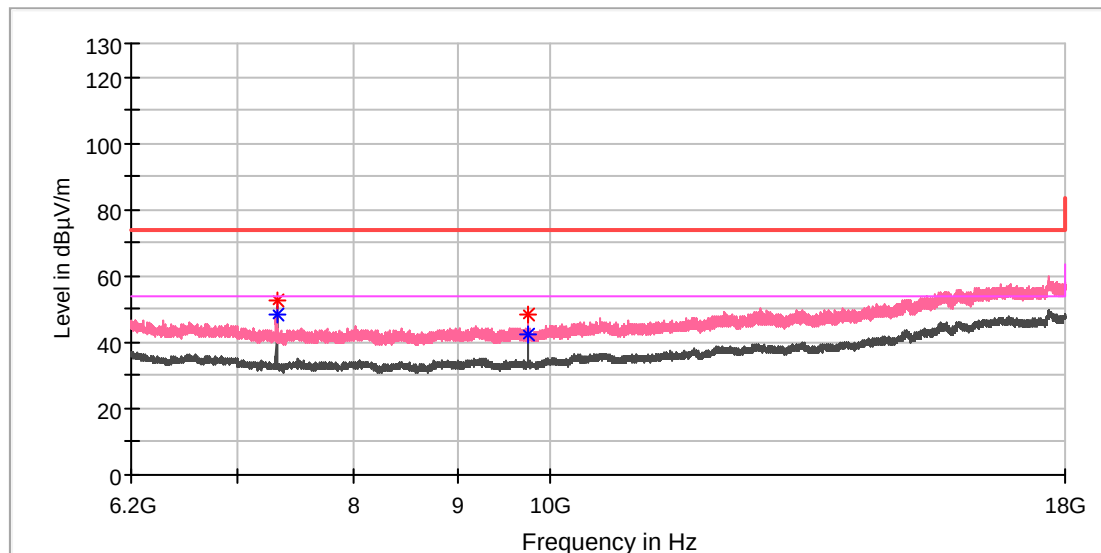
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4879.500000     | 53.11            | ---              | 74.00          | 20.89       | 100.0       | V   | 104.0         | 11.8         |
| 4880.000000     | ---              | 45.05            | 54.00          | 8.95        | 100.0       | V   | 118.0         | 11.8         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Mid channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

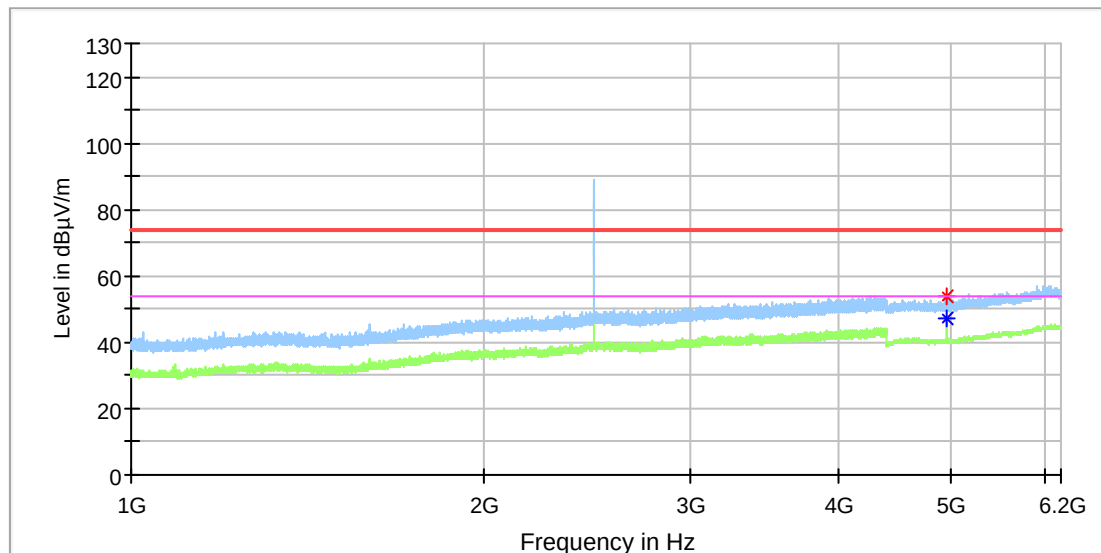
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7319.033333     | 52.72            | ---              | 74.00          | 21.28       | 100.0       | V   | 239.0         | 8.2          |
| 7320.016667     | ---              | 48.08            | 54.00          | 5.92        | 100.0       | V   | 239.0         | 8.2          |
| 9758.683333     | ---              | 42.32            | 54.00          | 11.68       | 100.0       | V   | 67.0          | 10.4         |
| 9759.666667     | 48.47            | ---              | 74.00          | 25.53       | 100.0       | V   | 67.0          | 10.4         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_High channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

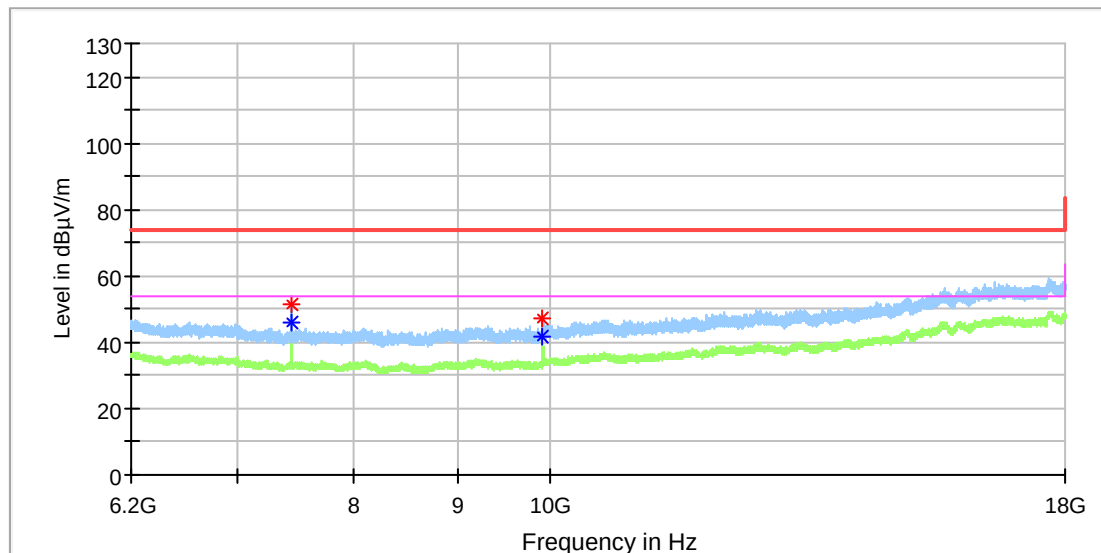
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4960.000000     | 53.87            | ---              | 74.00          | 20.13       | 100.0       | H   | 22.0          | 11.8         |
| 4960.000000     | ---              | 47.22            | 54.00          | 6.78        | 100.0       | H   | 22.0          | 11.8         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_High channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

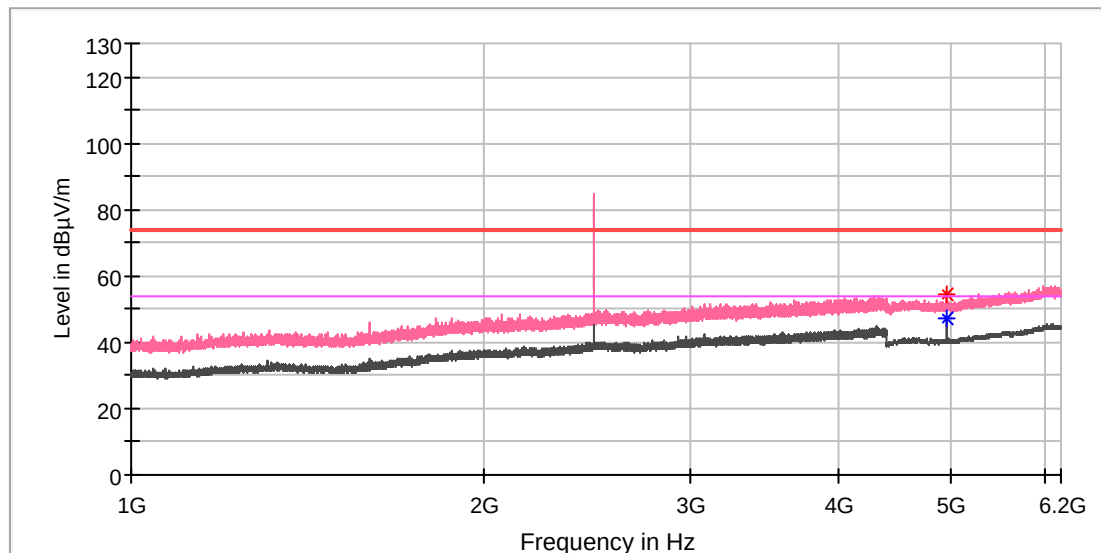
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7439.000000     | 51.58            | ---              | 74.00          | 22.42       | 100.0       | H   | 298.0         | 8.4          |
| 7439.491667     | ---              | 45.66            | 54.00          | 8.34        | 100.0       | H   | 298.0         | 8.4          |
| 9918.966667     | 47.18            | ---              | 74.00          | 26.82       | 100.0       | H   | 266.0         | 10.8         |
| 9918.966667     | ---              | 41.67            | 54.00          | 12.33       | 100.0       | H   | 266.0         | 10.8         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_High channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

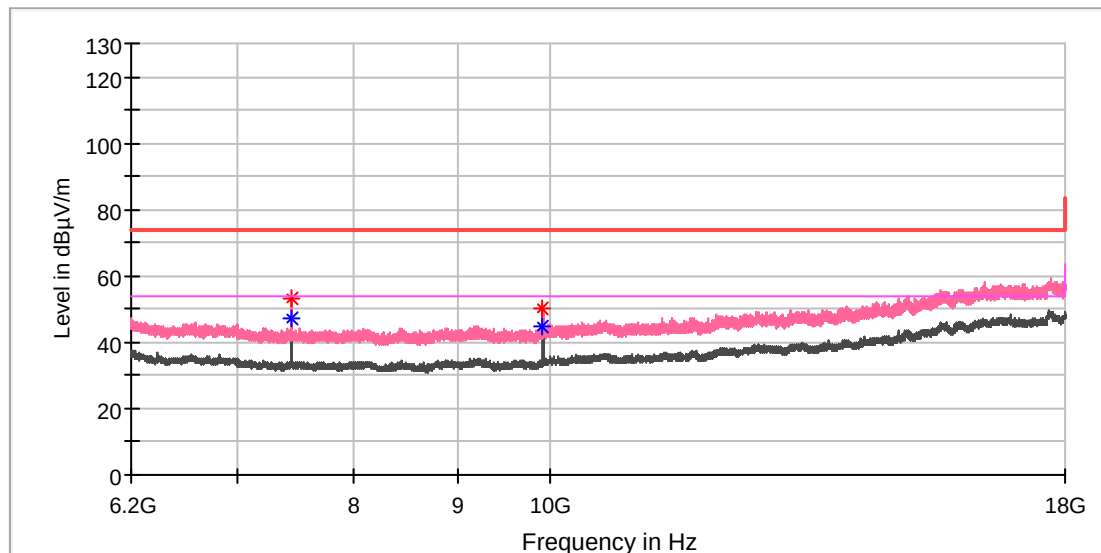
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4960.000000     | ---              | 47.02            | 54.00          | 6.98        | 100.0       | V   | 110.0         | 11.8         |
| 4963.000000     | 54.39            | ---              | 74.00          | 19.61       | 100.0       | V   | 255.0         | 11.8         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_High channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7439.000000     | 53.09            | ---              | 74.00          | 20.91       | 100.0       | V   | 232.0         | 8.4          |
| 7439.491667     | ---              | 47.17            | 54.00          | 6.83        | 100.0       | V   | 188.0         | 8.4          |
| 9918.966667     | ---              | 44.51            | 54.00          | 9.49        | 100.0       | V   | 174.0         | 10.8         |
| 9919.458333     | 50.30            | ---              | 74.00          | 23.70       | 100.0       | V   | 275.0         | 10.8         |

## Final\_Result

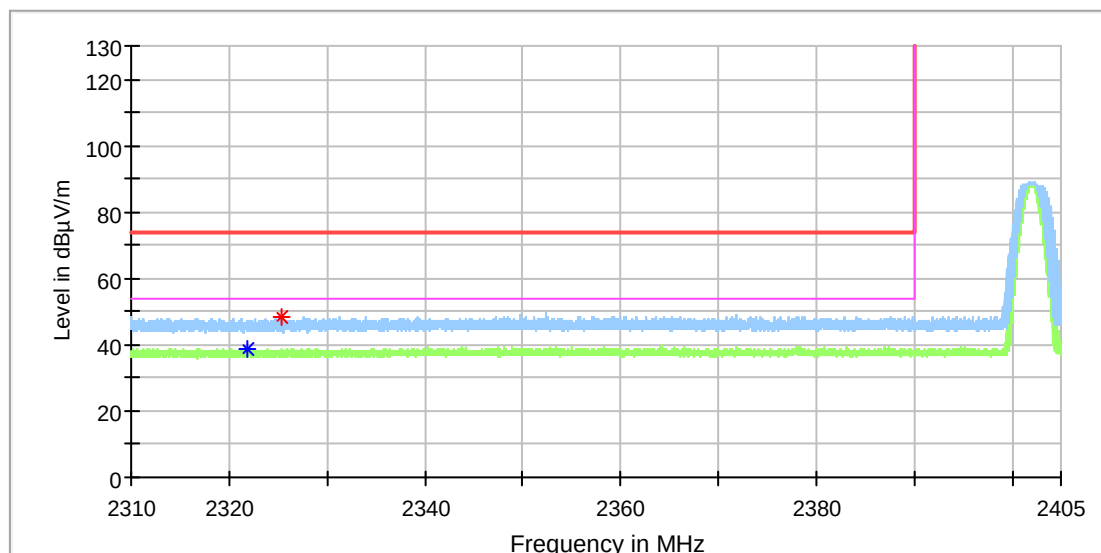
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |



## Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

### EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Low channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



### Critical Freqs

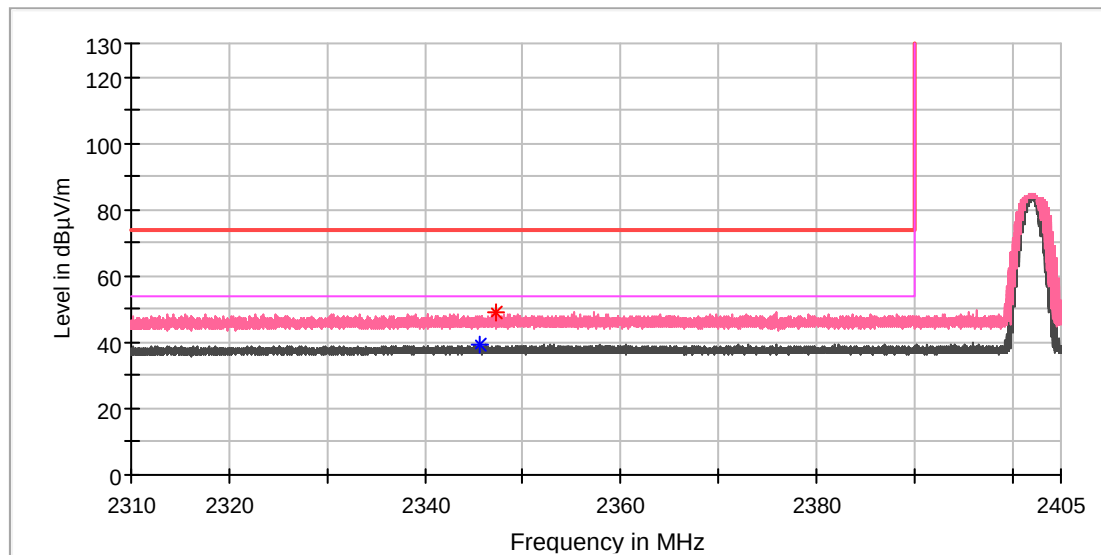
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2321.794250     | ---              | 38.81            | 54.00          | 15.19       | 100.0       | H   | 305.0         | 6.6          |
| 2325.295000     | 48.15            | ---              | 74.00          | 25.85       | 100.0       | H   | 272.0         | 6.7          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_Low channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

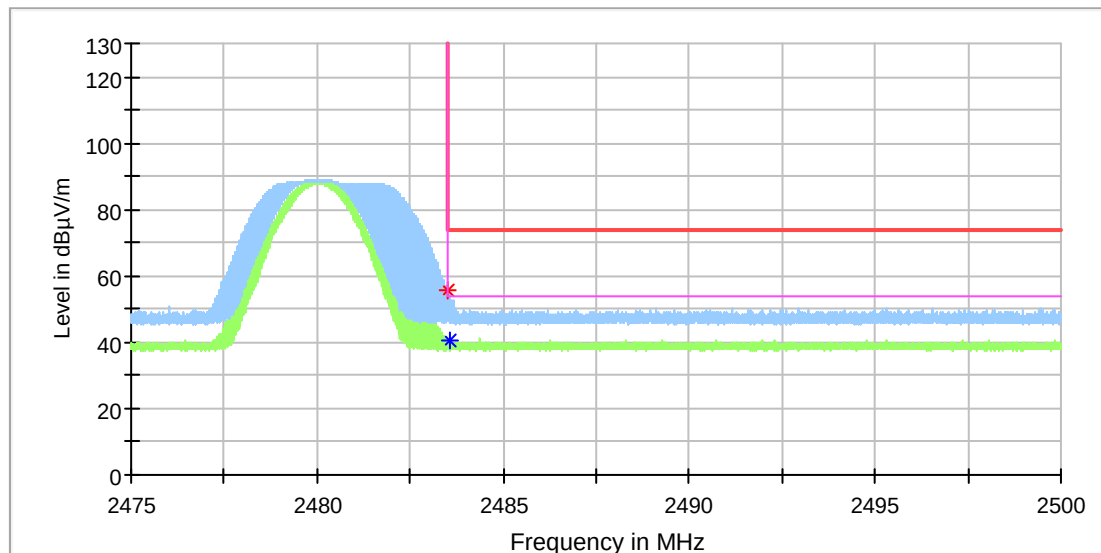
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2345.591750     | ---              | 39.10            | 54.00          | 14.90       | 100.0       | V   | 60.0          | 6.9          |
| 2347.330250     | 49.07            | ---              | 74.00          | 24.93       | 100.0       | V   | 93.0          | 6.9          |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_High channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

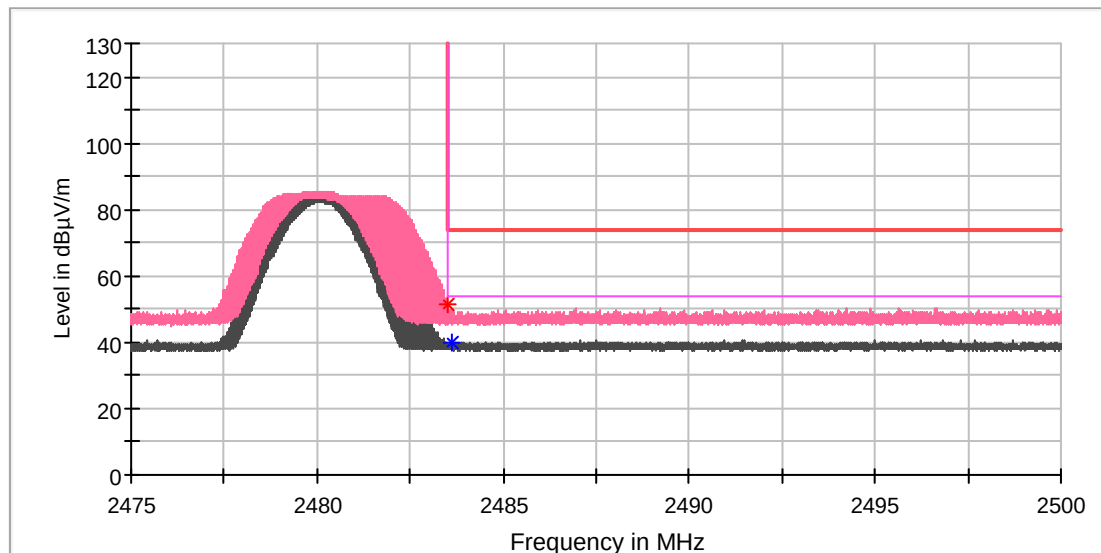
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.502500     | 55.59            | ---              | 74.00          | 18.41       | 100.0       | H   | 134.0         | 7.4          |
| 2483.553750     | ---              | 40.57            | 54.00          | 13.43       | 100.0       | H   | 134.0         | 7.4          |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: Bluetooth adaptor  
Model: UT-D07B  
Test Mode: BLE\_1M\_High channel  
Test Voltage:: Battery  
Remark: Temp 24 Humi:47%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.531250     | 51.35            | ---              | 74.00          | 22.65       | 100.0       | V   | 306.0         | 7.4          |
| 2483.633750     | ---              | 39.99            | 54.00          | 14.01       | 100.0       | V   | 357.0         | 7.4          |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |