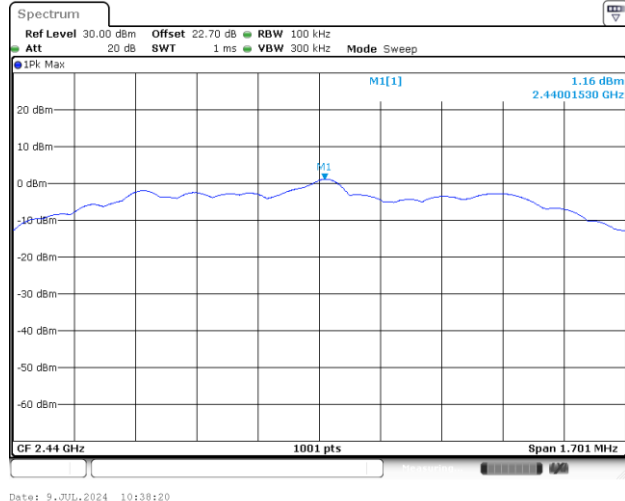




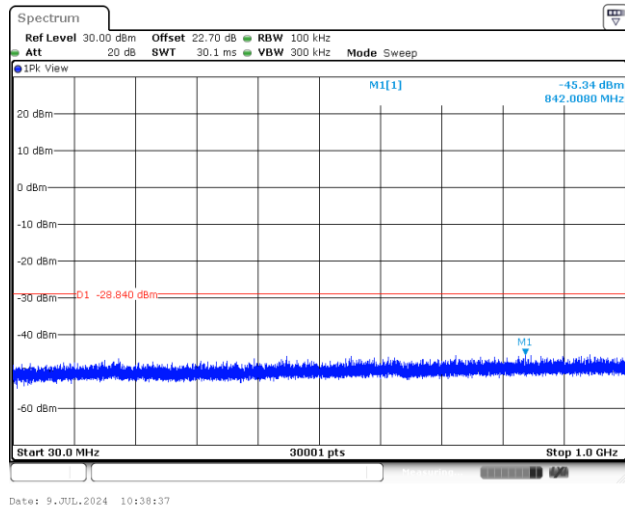
## Channel 19

## 100kHz PSD reference Level Plot

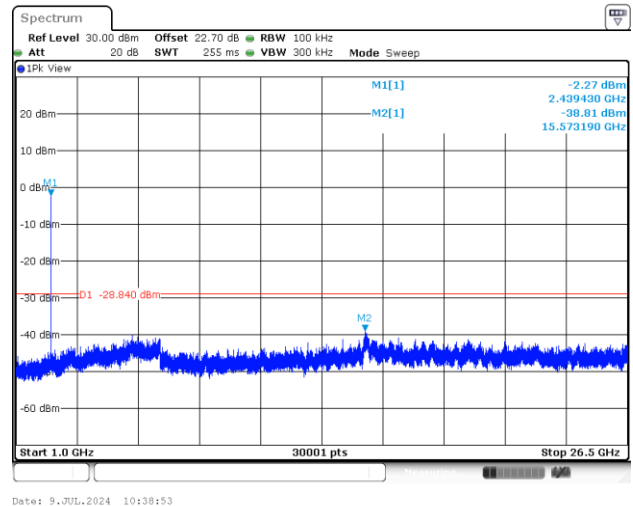


## Mid Channel Plot

## Spurious Emission 30MHz~1GHz Plot



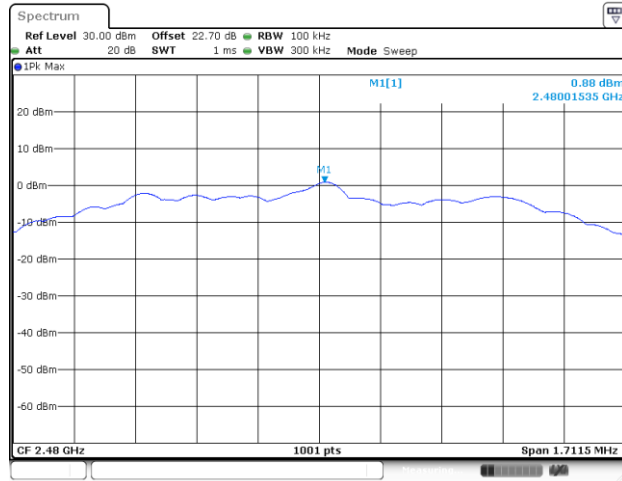
## Spurious Emission 1GHz~26.5GHz Plot



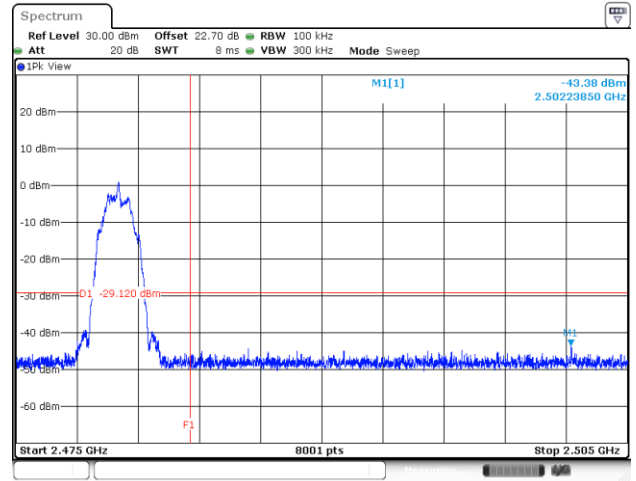


## Channel 39

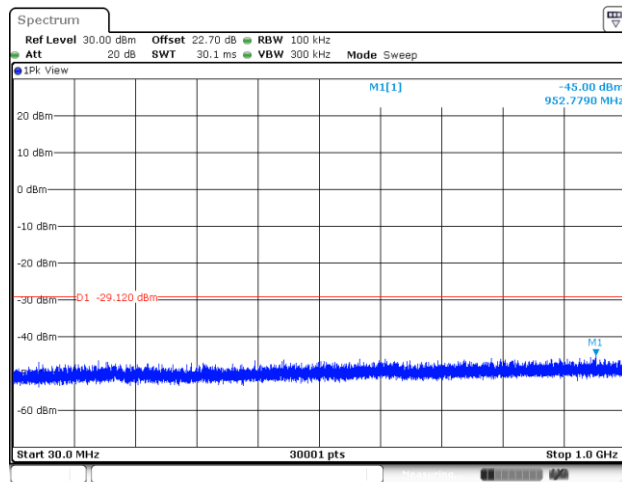
## 100kHz PSD reference Level Plot



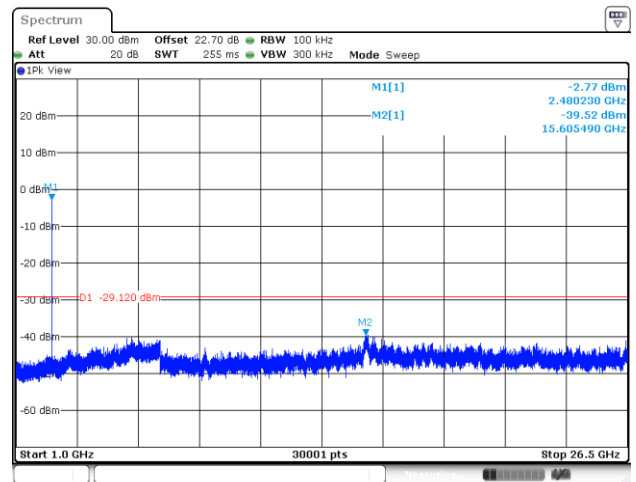
## High Channel Plot



## Spurious Emission 30MHz~1GHz Plot



## Spurious Emission 1GHz~26.5GHz Plot





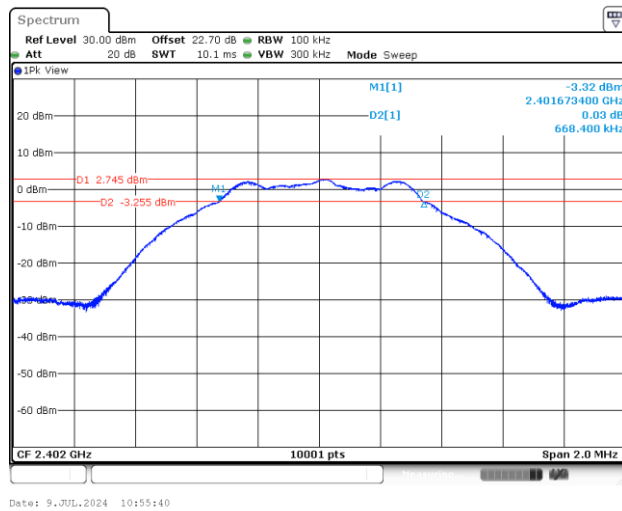
&lt;Class 2&gt;

&lt;Ant. 7&gt;

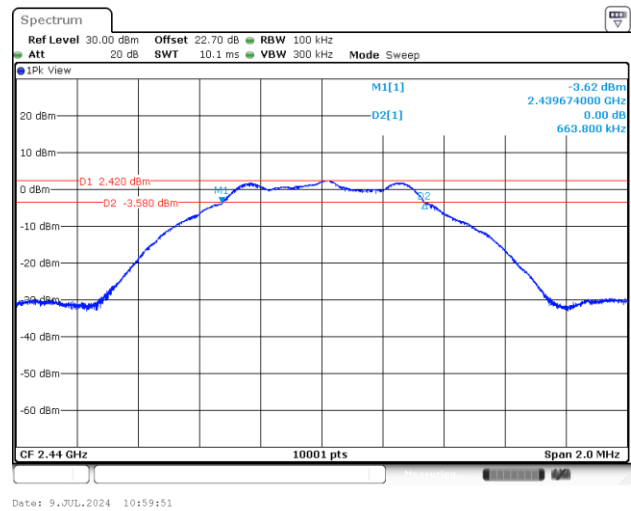
**6dB Bandwidth**

&lt;1Mbps&gt;

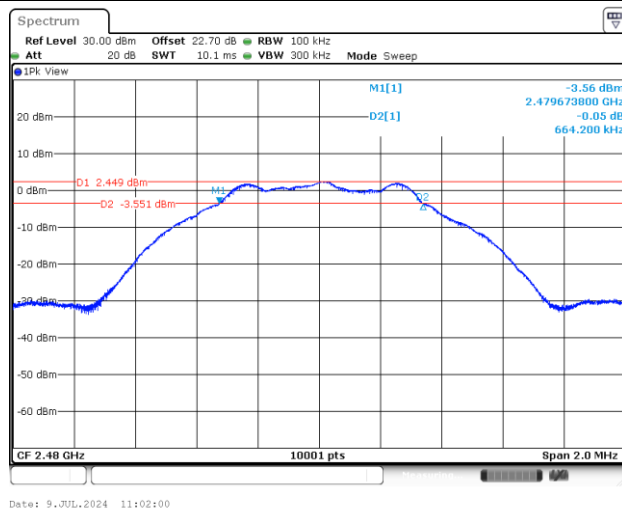
6 dB Bandwidth Plot on Channel 00



6 dB Bandwidth Plot on Channel 19



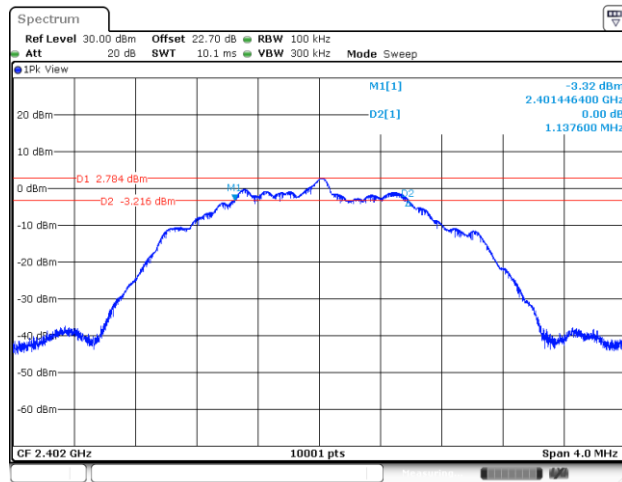
6 dB Bandwidth Plot on Channel 39



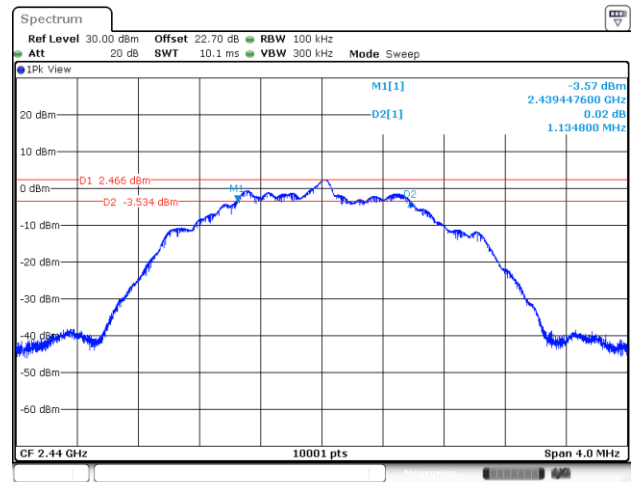


&lt;2Mbps&gt;

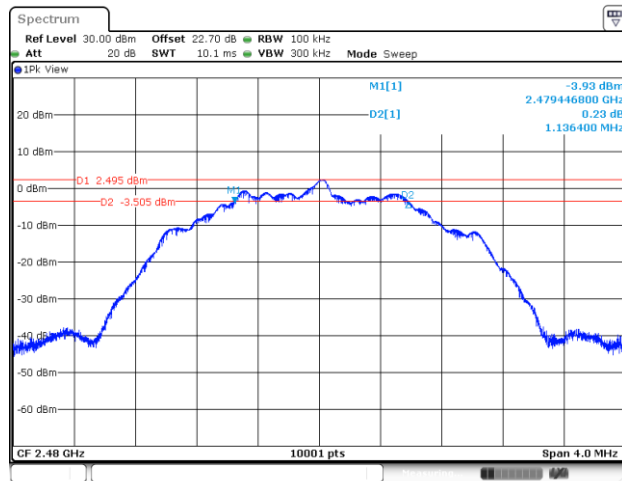
6 dB Bandwidth Plot on Channel 00



6 dB Bandwidth Plot on Channel 19

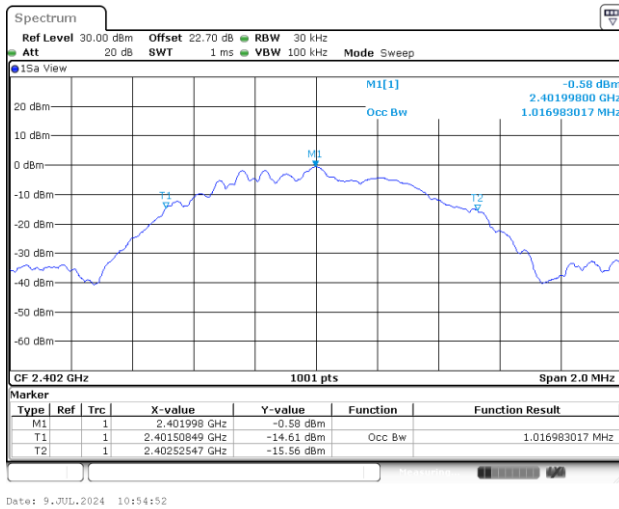
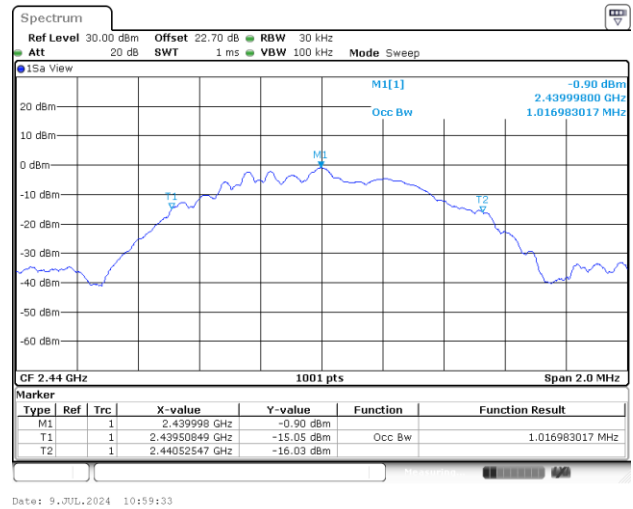
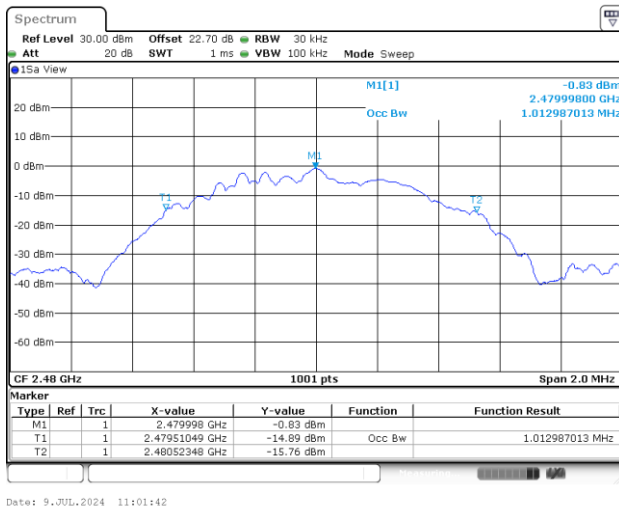


6 dB Bandwidth Plot on Channel 39



**99% Occupied Bandwidth**

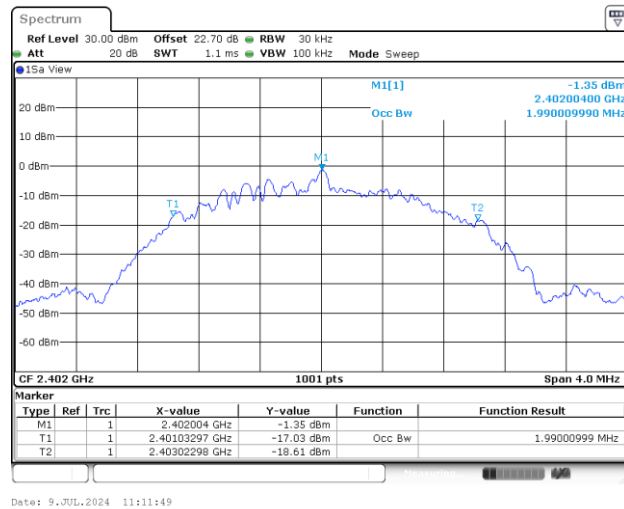
&lt;1Mbps&gt;

**99% Occupied Bandwidth Plot on Channel 00****99% Occupied Bandwidth Plot on Channel 19****99% Occupied Bandwidth Plot on Channel 39**

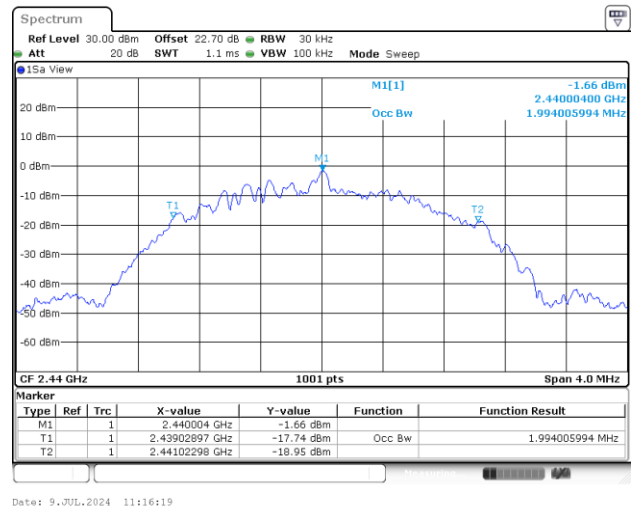


&lt;2Mbps&gt;

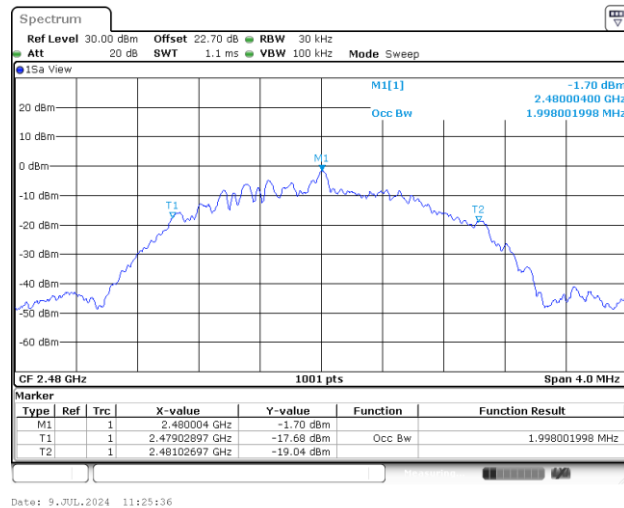
## 99% Occupied Bandwidth Plot on Channel 00



## 99% Occupied Bandwidth Plot on Channel 19

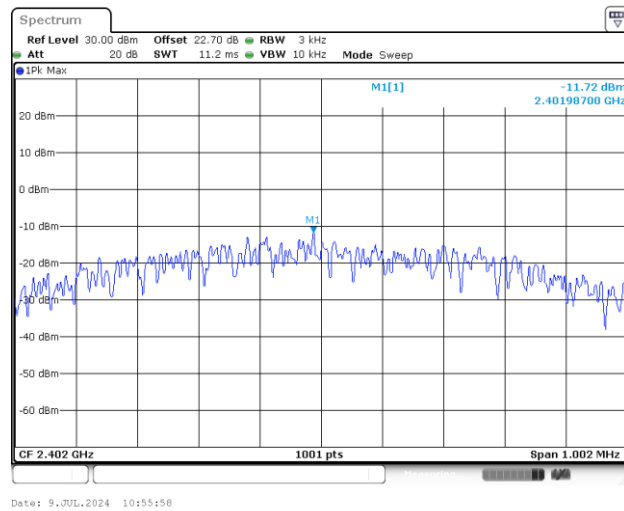
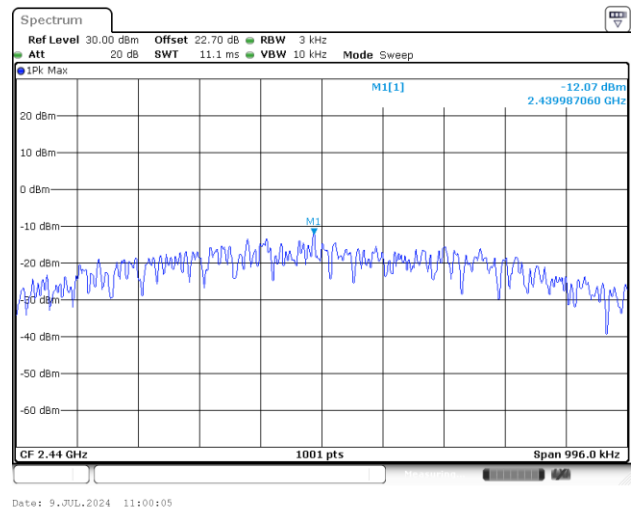
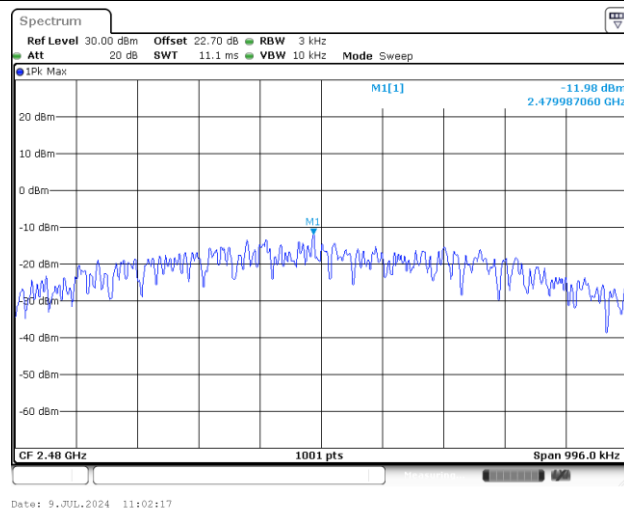


## 99% Occupied Bandwidth Plot on Channel 39



**Power Spectral Density (dBm/3kHz)**

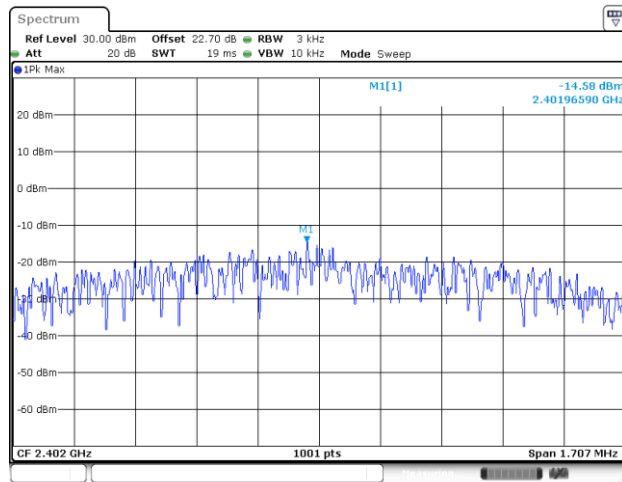
&lt;1Mbps&gt;

**Power Density (dBm/3kHz) Plot Channel 00****Power Density (dBm/3kHz) Plot Channel 19****Power Density (dBm/3kHz) Plot Channel 39**

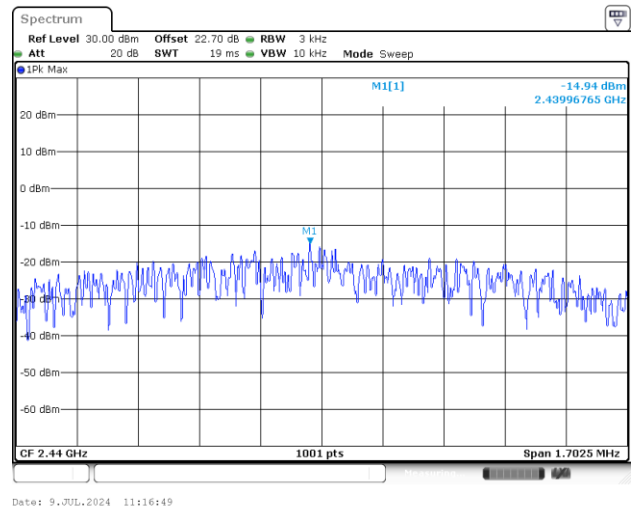


&lt;2Mbps&gt;

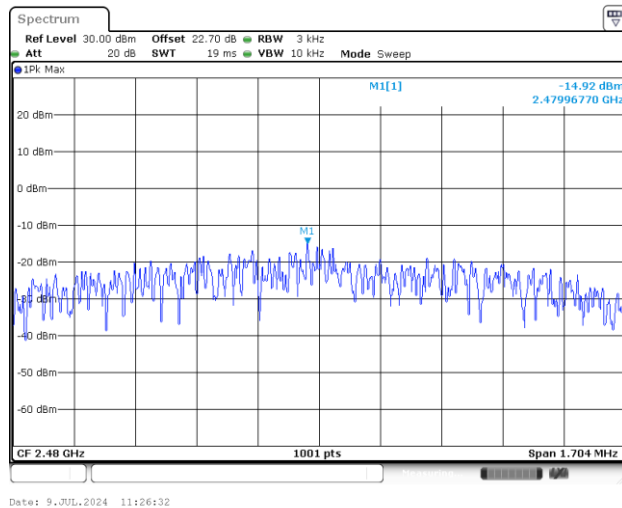
Power Density (dBm/3kHz) Plot Channel 00



Power Density (dBm/3kHz) Plot Channel 19



Power Density (dBm/3kHz) Plot Channel 39

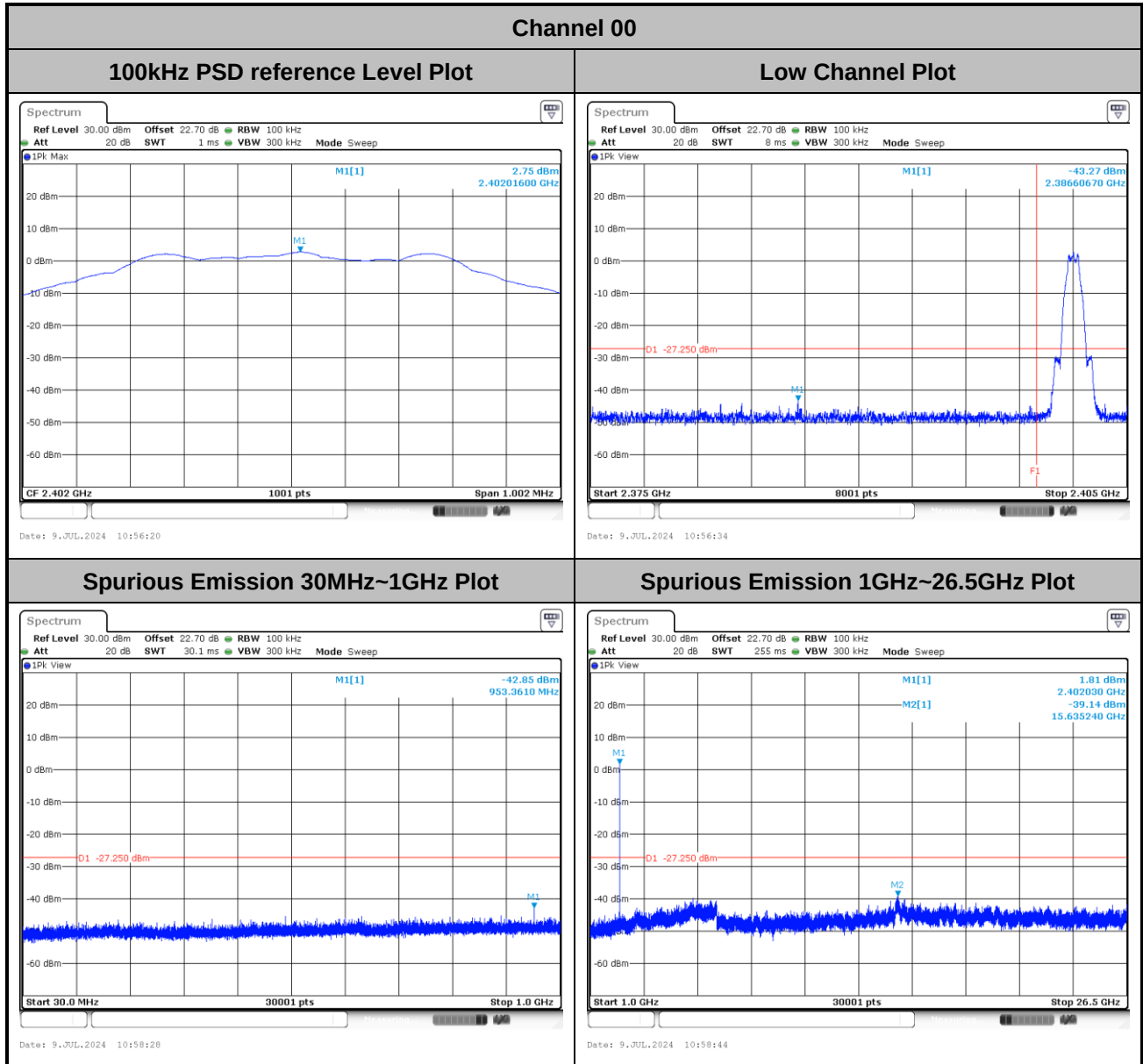






## Band Edge and Conducted Spurious Emission

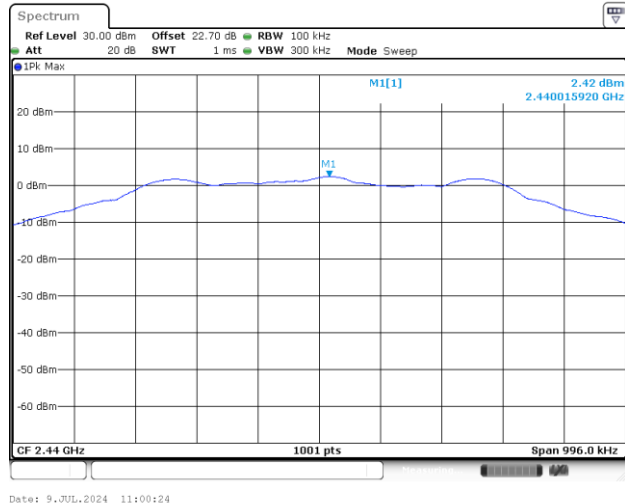
&lt;1Mbps&gt;





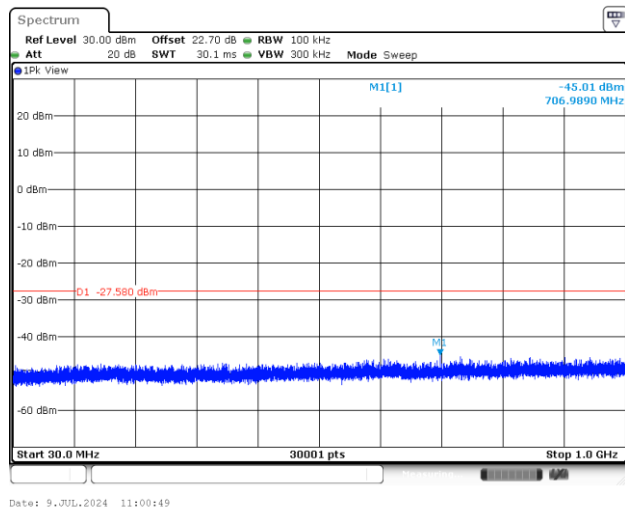
## Channel 19

## 100kHz PSD reference Level Plot

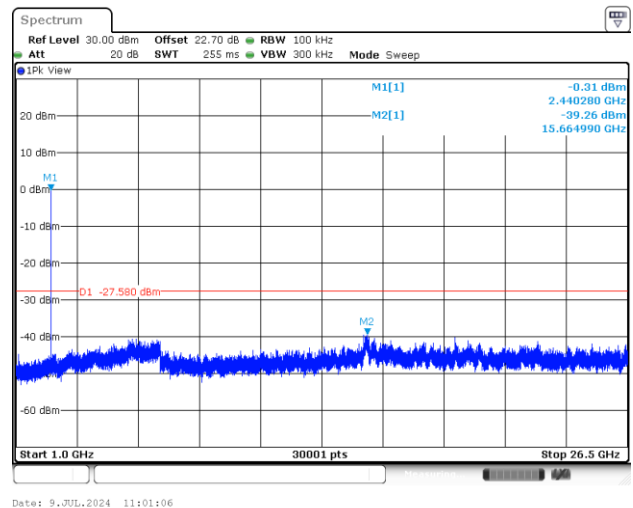


## Mid Channel Plot

## Spurious Emission 30MHz~1GHz Plot



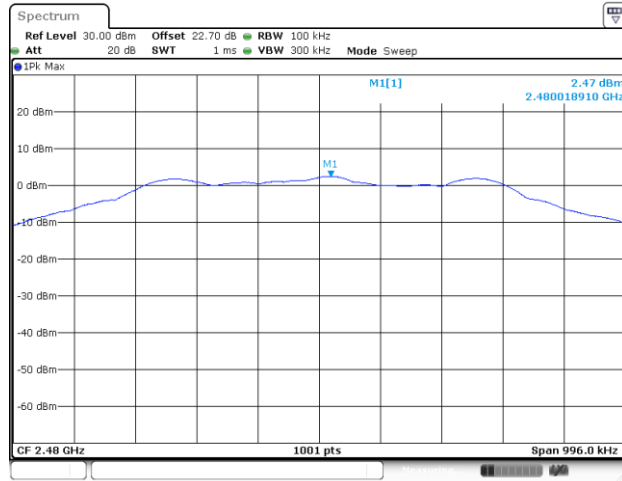
## Spurious Emission 1GHz~26.5GHz Plot



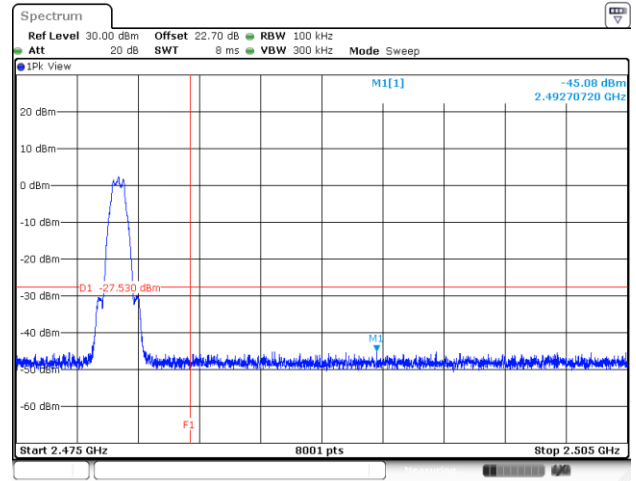


## Channel 39

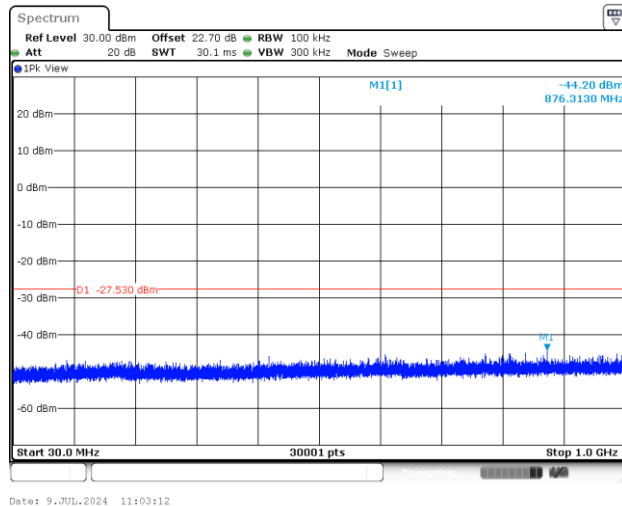
## 100kHz PSD reference Level Plot



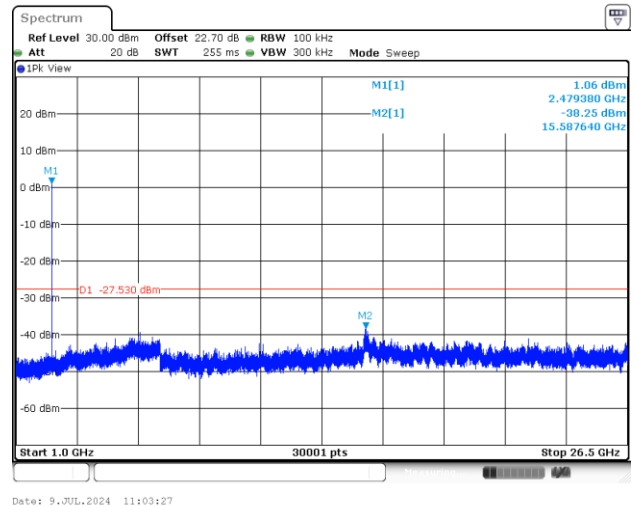
## High Channel Plot



## Spurious Emission 30MHz~1GHz Plot

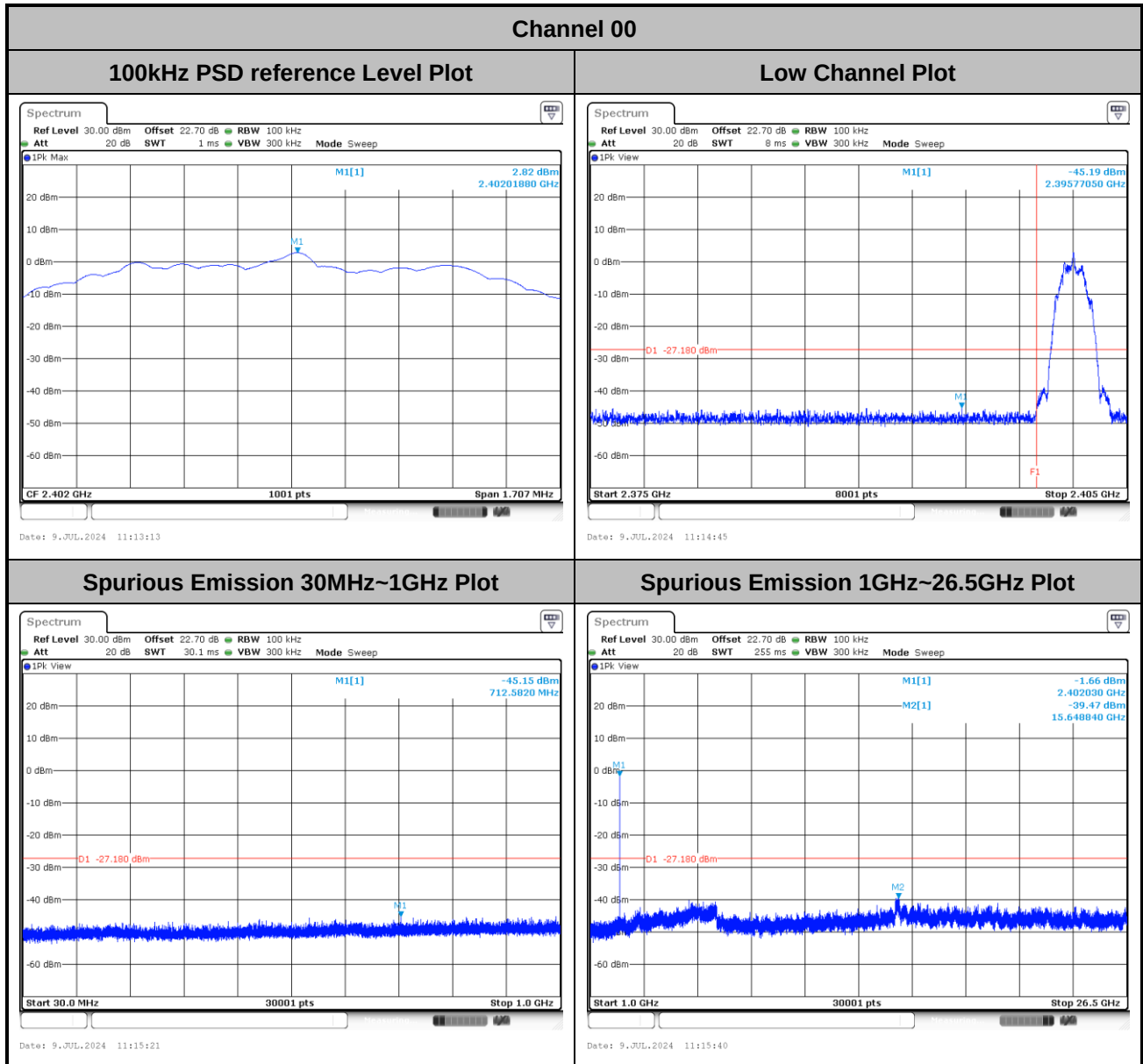


## Spurious Emission 1GHz~26.5GHz Plot





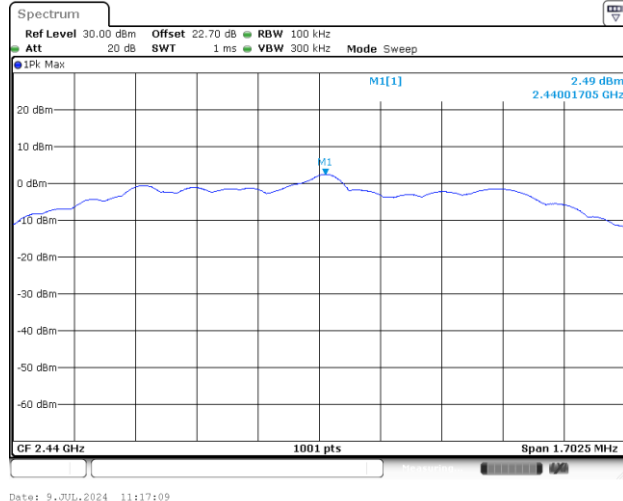
&lt;2Mbps&gt;





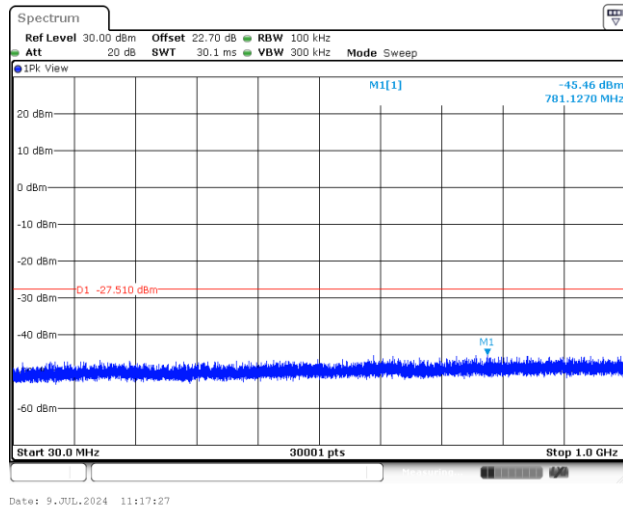
## Channel 19

## 100kHz PSD reference Level Plot

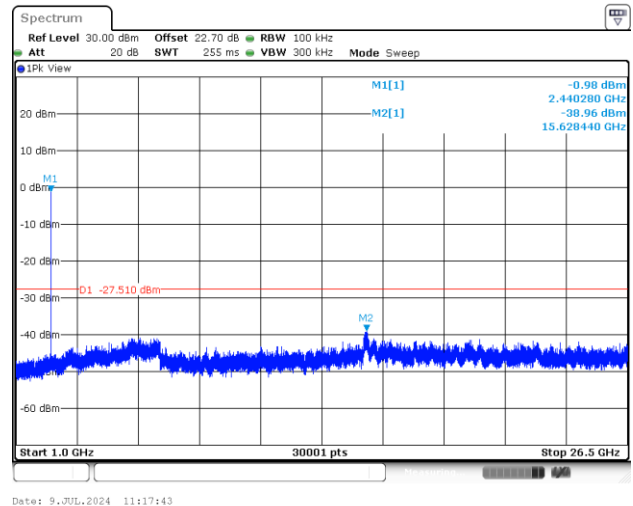


## Mid Channel Plot

## Spurious Emission 30MHz~1GHz Plot



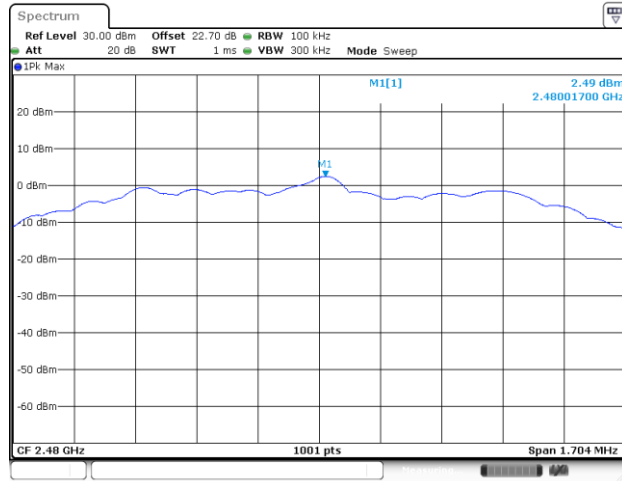
## Spurious Emission 1GHz~26.5GHz Plot



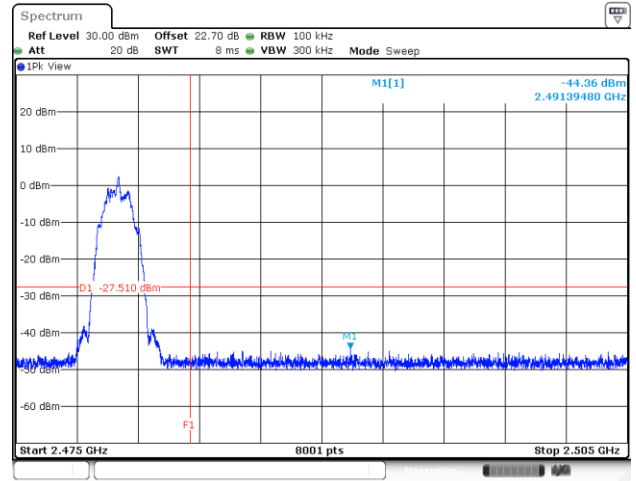


## Channel 39

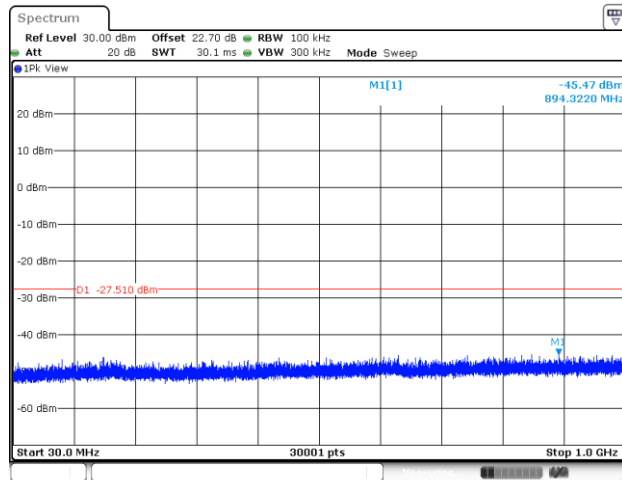
## 100kHz PSD reference Level Plot



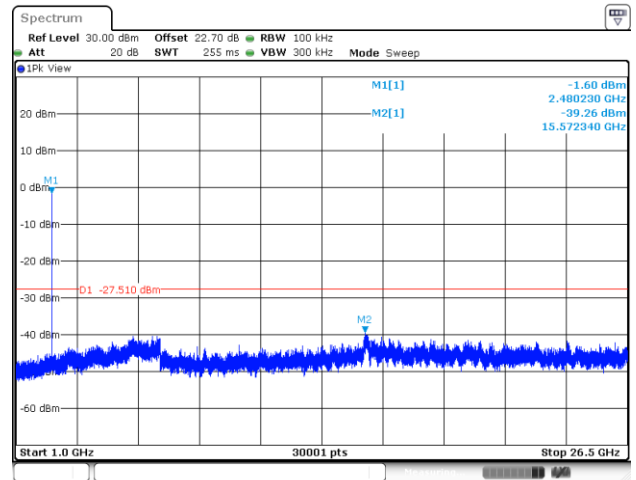
## High Channel Plot



## Spurious Emission 30MHz~1GHz Plot



## Spurious Emission 1GHz~26.5GHz Plot





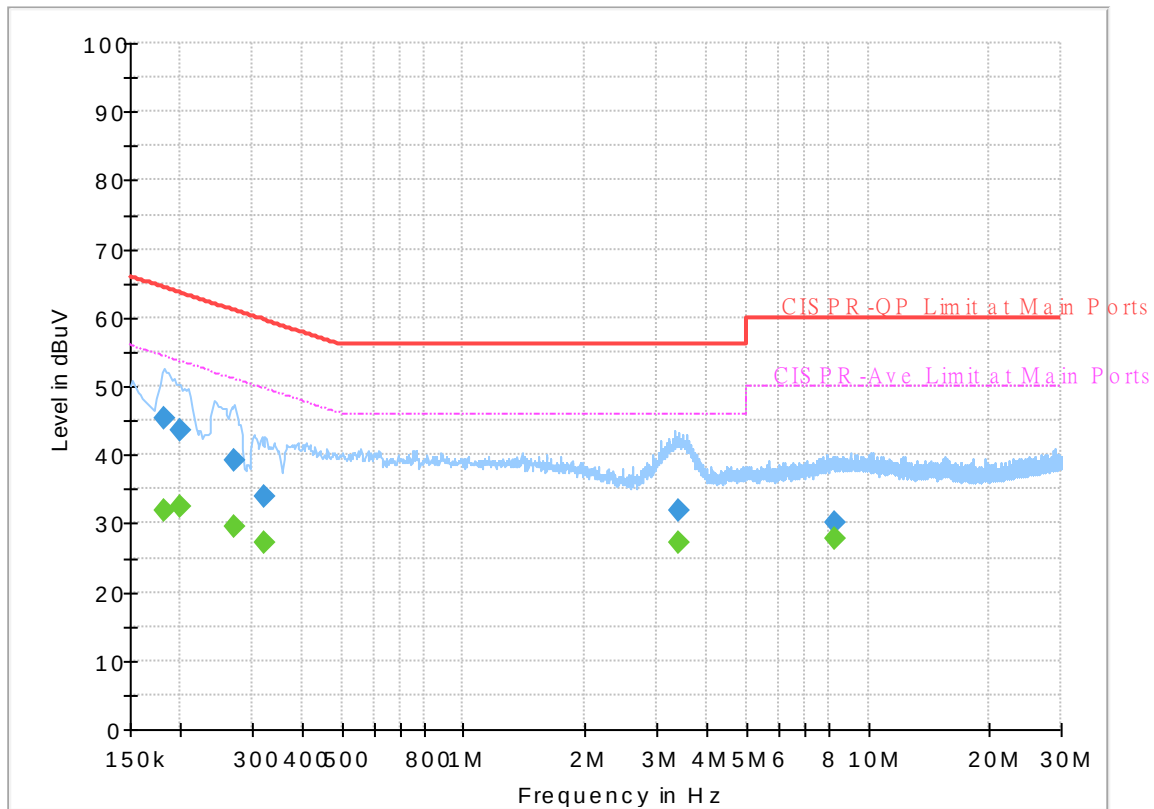
## Appendix B. AC Conducted Emission Test Results

|                 |             |                     |         |
|-----------------|-------------|---------------------|---------|
| Test Engineer : | Calvin Wang | Temperature :       | 23~26°C |
|                 |             | Relative Humidity : | 45~55%  |

## EUT Information

Report NO : 430824  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

Full Spectrum



## Final Result

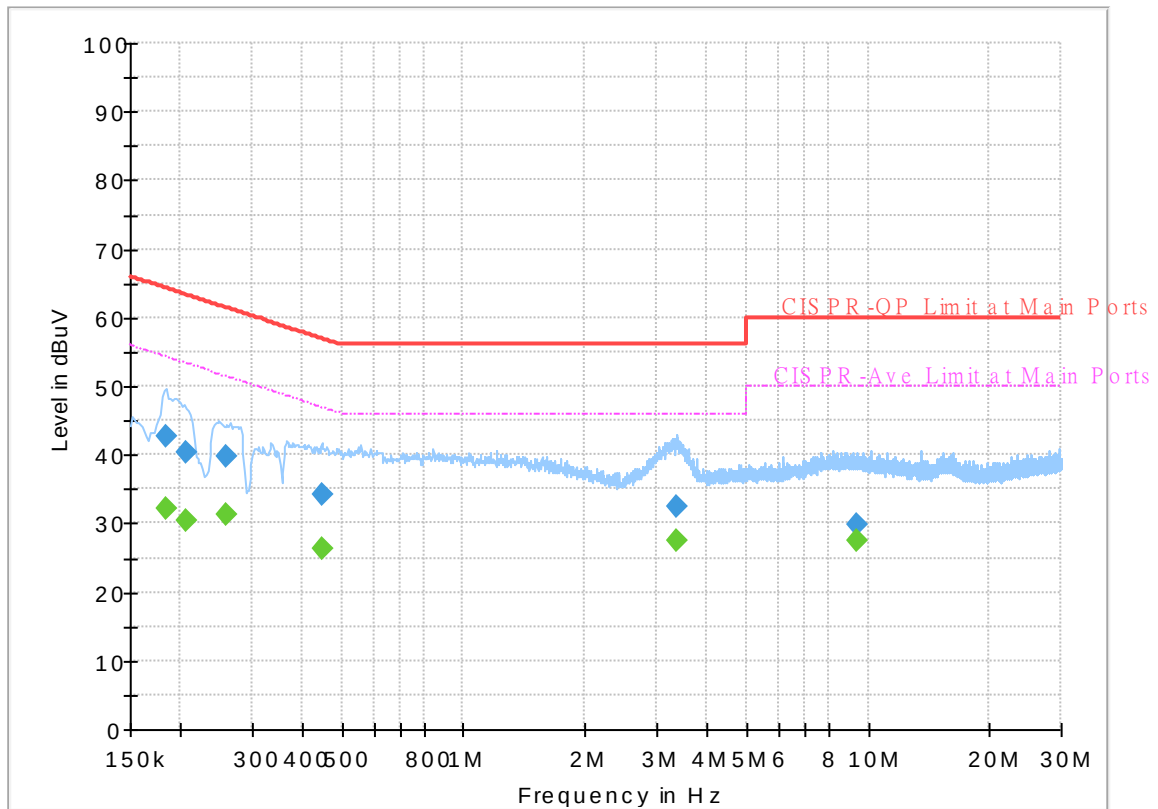
| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.181500        | ---              | 31.95           | 54.42        | 22.47       | L1   | OFF    | 19.8       |
| 0.181500        | 45.35            | ---             | 64.42        | 19.07       | L1   | OFF    | 19.8       |
| 0.199500        | ---              | 32.41           | 53.63        | 21.22       | L1   | OFF    | 19.8       |
| 0.199500        | 43.43            | ---             | 63.63        | 20.20       | L1   | OFF    | 19.8       |
| 0.271500        | ---              | 29.55           | 51.07        | 21.52       | L1   | OFF    | 19.8       |
| 0.271500        | 39.16            | ---             | 61.07        | 21.91       | L1   | OFF    | 19.8       |
| 0.323250        | ---              | 27.13           | 49.62        | 22.49       | L1   | OFF    | 19.8       |
| 0.323250        | 33.96            | ---             | 59.62        | 25.66       | L1   | OFF    | 19.8       |
| 3.396750        | ---              | 27.29           | 46.00        | 18.71       | L1   | OFF    | 19.9       |
| 3.396750        | 31.93            | ---             | 56.00        | 24.07       | L1   | OFF    | 19.9       |
| 8.254500        | ---              | 27.88           | 50.00        | 22.12       | L1   | OFF    | 20.2       |
| 8.254500        | 30.13            | ---             | 60.00        | 29.87       | L1   | OFF    | 20.2       |



## EUT Information

Report NO : 430824  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Neutral

Full Spectrum



## Final Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.183750        | ---              | 32.09           | 54.31        | 22.22       | N    | OFF    | 19.8       |
| 0.183750        | 42.60            | ---             | 64.31        | 21.71       | N    | OFF    | 19.8       |
| 0.206250        | ---              | 30.29           | 53.36        | 23.07       | N    | OFF    | 19.8       |
| 0.206250        | 40.25            | ---             | 63.36        | 23.11       | N    | OFF    | 19.8       |
| 0.260250        | ---              | 31.14           | 51.42        | 20.28       | N    | OFF    | 19.8       |
| 0.260250        | 39.76            | ---             | 61.42        | 21.66       | N    | OFF    | 19.8       |
| 0.447000        | ---              | 26.19           | 46.93        | 20.74       | N    | OFF    | 19.8       |
| 0.447000        | 34.32            | ---             | 56.93        | 22.61       | N    | OFF    | 19.8       |
| 3.363000        | ---              | 27.51           | 46.00        | 18.49       | N    | OFF    | 19.9       |
| 3.363000        | 32.48            | ---             | 56.00        | 23.52       | N    | OFF    | 19.9       |
| 9.345750        | ---              | 27.55           | 50.00        | 22.45       | N    | OFF    | 20.3       |
| 9.345750        | 29.77            | ---             | 60.00        | 30.23       | N    | OFF    | 20.3       |



## Appendix C. Radiated Spurious Emission

|                 |                                   |                     |             |
|-----------------|-----------------------------------|---------------------|-------------|
| Test Engineer : | Jesse Wang, Stan Hsieh and Ken Wu | Temperature :       | 23.5~26.5°C |
|                 |                                   | Relative Humidity : | 42.8~67.2%  |

&lt;Ant. 6&gt;

&lt;1Mbps&gt;

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 00<br>2402MHz |      | 2329.635             | 55.48               | -18.52           | 74                          | 39.47                     | 32.1                          | 18.25                  | 34.34                      | 100                  | 143                     | P                       | H               |
|                         |      | 2321.025             | 46.4                | -7.6             | 54                          | 30.41                     | 32.1                          | 18.24                  | 34.35                      | 100                  | 143                     | A                       | H               |
|                         | *    | 2402                 | 98.85               | -                | -                           | 82.79                     | 32                            | 18.37                  | 34.31                      | 100                  | 143                     | P                       | H               |
|                         | *    | 2402                 | 98.1                | -                | -                           | 82.04                     | 32                            | 18.37                  | 34.31                      | 100                  | 143                     | A                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 2375.415             | 55.21               | -18.79           | 74                          | 39.3                      | 31.9                          | 18.33                  | 34.32                      | 268                  | 360                     | P                       | V               |
|                         |      | 2363.655             | 46.09               | -7.91            | 54                          | 30.15                     | 31.96                         | 18.31                  | 34.33                      | 268                  | 360                     | A                       | V               |
|                         | *    | 2402                 | 98.83               | -                | -                           | 82.77                     | 32                            | 18.37                  | 34.31                      | 268                  | 360                     | P                       | V               |
|                         | *    | 2402                 | 98.33               | -                | -                           | 82.27                     | 32                            | 18.37                  | 34.31                      | 268                  | 360                     | A                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| BLE<br>CH 19<br>2440MHz |      | 2323.86              | 55.84               | -18.16           | 74                          | 39.85                     | 32.1                          | 18.24                  | 34.35                      | 193                  | 302                     | P                       | H               |
|                         |      | 2324.7               | 46.16               | -7.84            | 54                          | 30.17                     | 32.1                          | 18.24                  | 34.35                      | 193                  | 302                     | A                       | H               |
|                         | *    | 2440                 | 99.53               | -                | -                           | 83.47                     | 31.9                          | 18.46                  | 34.3                       | 193                  | 302                     | P                       | H               |
|                         | *    | 2440                 | 98.98               | -                | -                           | 82.92                     | 31.9                          | 18.46                  | 34.3                       | 193                  | 302                     | A                       | H               |
|                         |      | 2489.43              | 55.39               | -18.61           | 74                          | 38.91                     | 32.19                         | 18.56                  | 34.27                      | 193                  | 302                     | P                       | H               |
|                         |      | 2499.02              | 46.62               | -7.38            | 54                          | 30.02                     | 32.29                         | 18.58                  | 34.27                      | 193                  | 302                     | A                       | H               |
|                         |      | 2331.42              | 56.87               | -17.13           | 74                          | 40.86                     | 32.1                          | 18.25                  | 34.34                      | 293                  | 9                       | P                       | V               |
|                         |      | 2339.54              | 46.08               | -7.92            | 54                          | 30.05                     | 32.1                          | 18.27                  | 34.34                      | 293                  | 9                       | A                       | V               |
|                         | *    | 2440                 | 101.01              | -                | -                           | 84.95                     | 31.9                          | 18.46                  | 34.3                       | 293                  | 9                       | P                       | V               |
|                         | *    | 2440                 | 100.4               | -                | -                           | 84.34                     | 31.9                          | 18.46                  | 34.3                       | 293                  | 9                       | A                       | V               |
|                         |      | 2499.44              | 55.71               | -18.29           | 74                          | 39.11                     | 32.29                         | 18.58                  | 34.27                      | 293                  | 9                       | P                       | V               |
|                         |      | 2497.76              | 46.62               | -7.38            | 54                          | 30.03                     | 32.28                         | 18.58                  | 34.27                      | 293                  | 9                       | A                       | V               |



| BLE                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 39<br>2480MHz | *                                                                                           | 2480                 | 97.89               | -                | -                           | 81.53                     | 32.1                          | 18.54                  | 34.28                      | 214                  | 156                     | P                       | H               |
|                         | *                                                                                           | 2480                 | 97.31               | -                | -                           | 80.95                     | 32.1                          | 18.54                  | 34.28                      | 214                  | 156                     | A                       | H               |
|                         |                                                                                             | 2493.76              | 55.42               | -18.58           | 74                          | 38.88                     | 32.24                         | 18.57                  | 34.27                      | 214                  | 156                     | P                       | H               |
|                         |                                                                                             | 2489.16              | 46.74               | -7.26            | 54                          | 30.26                     | 32.19                         | 18.56                  | 34.27                      | 214                  | 156                     | A                       | H               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         | *                                                                                           | 2480                 | 102.12              | -                | -                           | 85.76                     | 32.1                          | 18.54                  | 34.28                      | 251                  | 350                     | P                       | V               |
|                         | *                                                                                           | 2480                 | 101.5               | -                | -                           | 85.14                     | 32.1                          | 18.54                  | 34.28                      | 251                  | 350                     | A                       | V               |
|                         |                                                                                             | 2485.64              | 56.46               | -17.54           | 74                          | 40.03                     | 32.16                         | 18.55                  | 34.28                      | 251                  | 350                     | P                       | V               |
|                         |                                                                                             | 2488.84              | 46.79               | -7.21            | 54                          | 30.31                     | 32.19                         | 18.56                  | 34.27                      | 251                  | 350                     | A                       | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

## BLE (Harmonic @ 3m)

| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 00<br>2402MHz |      | 4804                 | 41.75               | -32.25           | 74                          | 53.67                     | 34.2                          | 13.07                  | 59.19                      | 100                  | 0                       | P                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 4804                 | 42.4                | -31.6            | 74                          | 54.32                     | 34.2                          | 13.07                  | 59.19                      | 100                  | 0                       | P                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 19<br>2440MHz |      | 4880                 | 42.03               | -31.97           | 74                          | 53.72                     | 34.26                         | 13.07                  | 59.02                      | -                    | -                       | P                       | H               |
|                         |      | 7320                 | 43.02               | -30.98           | 74                          | 49.67                     | 35.8                          | 15.29                  | 57.74                      | -                    | -                       | P                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 4880                 | 42.86               | -31.14           | 74                          | 54.55                     | 34.26                         | 13.07                  | 59.02                      | -                    | -                       | P                       | V               |
|                         |      | 7320                 | 42.96               | -31.04           | 74                          | 49.61                     | 35.8                          | 15.29                  | 57.74                      | -                    | -                       | P                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| BLE                     | Note                                                                                                                                                                                                                                   | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 39<br>2480MHz |                                                                                                                                                                                                                                        | 4960                 | 40.92               | -33.08           | 74                          | 52.29                     | 34.4                          | 13.07                  | 58.84                      | 100                  | 0                       | P                       | H               |
|                         |                                                                                                                                                                                                                                        | 7440                 | 42.29               | -31.71           | 74                          | 49.11                     | 35.62                         | 15.45                  | 57.89                      | 100                  | 0                       | P                       | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        | 4960                 | 41.64               | -32.36           | 74                          | 53.01                     | 34.4                          | 13.07                  | 58.84                      | 100                  | 0                       | P                       | V               |
|                         |                                                                                                                                                                                                                                        | 7440                 | 42.27               | -31.73           | 74                          | 49.09                     | 35.62                         | 15.45                  | 57.89                      | 100                  | 0                       | P                       | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



&lt;2Mbps&gt;

## 2.4GHz 2400~2483.5MHz

## BLE (Band Edge @ 3m)

| BLE                     | Note | Frequency | Level      | Margin | Limit<br>Line | Read<br>Level | Antenna<br>Factor | Path<br>Loss | Preamp<br>Factor | Ant<br>Pos | Table<br>Pos | Peak<br>Avg. | Pol.    |
|-------------------------|------|-----------|------------|--------|---------------|---------------|-------------------|--------------|------------------|------------|--------------|--------------|---------|
|                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m )    | ( dBμV )      | ( dB/m )          | ( dB )       | ( dB )           | ( cm )     | ( deg )      | ( P/A )      | ( H/V ) |
| BLE<br>CH 00<br>2402MHz |      | 2352.21   | 55.41      | -18.59 | 74            | 39.38         | 32.08             | 18.29        | 34.34            | 100        | 143          | P            | H       |
|                         |      | 2365.86   | 46.81      | -7.19  | 54            | 30.89         | 31.94             | 18.31        | 34.33            | 100        | 143          | A            | H       |
|                         | *    | 2402      | 98.88      | -      | -             | 82.82         | 32                | 18.37        | 34.31            | 100        | 143          | P            | H       |
|                         | *    | 2402      | 97.51      | -      | -             | 81.45         | 32                | 18.37        | 34.31            | 100        | 143          | A            | H       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | H       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | H       |
|                         |      | 2353.365  | 55.43      | -18.57 | 74            | 39.4          | 32.07             | 18.29        | 34.33            | 268        | 360          | P            | V       |
|                         |      | 2352.315  | 46.98      | -7.02  | 54            | 30.94         | 32.08             | 18.29        | 34.33            | 268        | 360          | A            | V       |
|                         | *    | 2402      | 98.58      | -      | -             | 82.52         | 32                | 18.37        | 34.31            | 268        | 360          | P            | V       |
|                         | *    | 2402      | 97.23      | -      | -             | 81.17         | 32                | 18.37        | 34.31            | 268        | 360          | A            | V       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | V       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | V       |
| BLE<br>CH 19<br>2440MHz |      | 2316.16   | 55.16      | -18.84 | 74            | 39.18         | 32.1              | 18.23        | 34.35            | 193        | 302          | P            | H       |
|                         |      | 2344.58   | 46.57      | -7.43  | 54            | 30.53         | 32.1              | 18.28        | 34.34            | 193        | 302          | A            | H       |
|                         | *    | 2440      | 99.57      | -      | -             | 83.51         | 31.9              | 18.46        | 34.3             | 193        | 302          | P            | H       |
|                         | *    | 2440      | 97.9       | -      | -             | 81.84         | 31.9              | 18.46        | 34.3             | 193        | 302          | A            | H       |
|                         |      | 2496.15   | 56.9       | -17.1  | 74            | 40.34         | 32.26             | 18.57        | 34.27            | 193        | 302          | P            | H       |
|                         |      | 2493.91   | 47.27      | -6.73  | 54            | 30.73         | 32.24             | 18.57        | 34.27            | 193        | 302          | A            | H       |
|                         |      | 2342.48   | 54.76      | -19.24 | 74            | 38.73         | 32.1              | 18.27        | 34.34            | 293        | 9            | P            | V       |
|                         |      | 2330.3    | 46.42      | -7.58  | 54            | 30.41         | 32.1              | 18.25        | 34.34            | 293        | 9            | A            | V       |
|                         | *    | 2440      | 101.07     | -      | -             | 85.01         | 31.9              | 18.46        | 34.3             | 293        | 9            | P            | V       |
|                         | *    | 2440      | 99.61      | -      | -             | 83.55         | 31.9              | 18.46        | 34.3             | 293        | 9            | A            | V       |
|                         |      | 2495.31   | 55.36      | -18.64 | 74            | 38.81         | 32.25             | 18.57        | 34.27            | 293        | 9            | P            | V       |
|                         |      | 2490.55   | 47.38      | -6.62  | 54            | 30.88         | 32.21             | 18.56        | 34.27            | 293        | 9            | A            | V       |



| BLE                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 39<br>2480MHz | *                                                                                           | 2480                 | 97.71               | -                | -                           | 81.35                     | 32.1                          | 18.54                  | 34.28                      | 214                  | 156                     | P                       | H               |
|                         | *                                                                                           | 2480                 | 96.37               | -                | -                           | 80.01                     | 32.1                          | 18.54                  | 34.28                      | 214                  | 156                     | A                       | H               |
|                         |                                                                                             | 2498.16              | 55.88               | -18.12           | 74                          | 39.29                     | 32.28                         | 18.58                  | 34.27                      | 214                  | 156                     | P                       | H               |
|                         |                                                                                             | 2499.92              | 47.51               | -6.49            | 54                          | 30.9                      | 32.3                          | 18.58                  | 34.27                      | 214                  | 156                     | A                       | H               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         | *                                                                                           | 2480                 | 102.24              | -                | -                           | 85.88                     | 32.1                          | 18.54                  | 34.28                      | 251                  | 350                     | P                       | V               |
|                         | *                                                                                           | 2480                 | 100.71              | -                | -                           | 84.35                     | 32.1                          | 18.54                  | 34.28                      | 251                  | 350                     | A                       | V               |
|                         |                                                                                             | 2496.76              | 55.61               | -18.39           | 74                          | 39.04                     | 32.27                         | 18.57                  | 34.27                      | 251                  | 350                     | P                       | V               |
|                         |                                                                                             | 2485.08              | 47.45               | -6.55            | 54                          | 31.04                     | 32.15                         | 18.54                  | 34.28                      | 251                  | 350                     | A                       | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**2.4GHz 2400~2483.5MHz****BLE (Harmonic @ 3m)**

| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 00<br>2402MHz |      | 4804                 | 41.09               | -32.91           | 74                          | 53.01                     | 34.2                          | 13.07                  | 59.19                      | -                    | -                       | P                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 4804                 | 42.41               | -31.59           | 74                          | 54.33                     | 34.2                          | 13.07                  | 59.19                      | -                    | -                       | P                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 19<br>2440MHz |      | 4880                 | 42.03               | -31.97           | 74                          | 53.72                     | 34.26                         | 13.07                  | 59.02                      | 100                  | 0                       | P                       | H               |
|                         |      | 7320                 | 43.23               | -30.77           | 74                          | 49.88                     | 35.8                          | 15.29                  | 57.74                      | 100                  | 0                       | P                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 4880                 | 42.3                | -31.7            | 74                          | 53.99                     | 34.26                         | 13.07                  | 59.02                      | 100                  | 0                       | P                       | V               |
|                         |      | 7320                 | 42.68               | -31.32           | 74                          | 49.33                     | 35.8                          | 15.29                  | 57.74                      | 100                  | 0                       | P                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| BLE                     | Note                                                                                                                                    | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 39<br>2480MHz |                                                                                                                                         | 4960                 | 42.18               | -31.82           | 74                          | 53.55                     | 34.4                          | 13.07                  | 58.84                      | -                    | -                       | P                       | H               |
|                         |                                                                                                                                         | 7440                 | 42.36               | -31.64           | 74                          | 49.18                     | 35.62                         | 15.45                  | 57.89                      | -                    | -                       | P                       | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                         | 4960                 | 41.31               | -32.69           | 74                          | 52.68                     | 34.4                          | 13.07                  | 58.84                      | -                    | -                       | P                       | V               |
|                         |                                                                                                                                         | 7440                 | 41.68               | -32.32           | 74                          | 48.5                      | 35.62                         | 15.45                  | 57.89                      | -                    | -                       | P                       | V               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         | V                       |                 |
| Remark                  | 1. No other spurious found.                                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                         | 2. All results are PASS against Peak and Average limit line.                                                                            |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                         | 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## Emission below 1GHz

## 2.4GHz BLE (LF)

| BLE                         | Note                                                                                                                                                                                                                                             | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
|                             |                                                                                                                                                                                                                                                  |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
|                             |                                                                                                                                                                                                                                                  | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 2.4GHz<br><br>BLE<br><br>LF |                                                                                                                                                                                                                                                  | 42.42     | 23.08      | -16.92 | 40         | 33.21  | 18.45    | 1.34   | 29.92  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 92.91     | 24.39      | -19.11 | 43.5       | 37.32  | 14.97    | 2      | 29.9   | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 264.63    | 33.01      | -12.99 | 46         | 40.14  | 19.6     | 3.09   | 29.82  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 643       | 27.78      | -18.22 | 46         | 27.2   | 25.58    | 4.67   | 29.67  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 832.7     | 30.83      | -15.17 | 46         | 26.9   | 27.74    | 5.4    | 29.21  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  | 948.2     | 33.53      | -12.47 | 46         | 27.12  | 29.34    | 5.76   | 28.69  | -      | -       | P     | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                                                                                                  | 51.06     | 32.95      | -7.05  | 40         | 47.37  | 14.02    | 1.48   | 29.92  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 88.86     | 29.36      | -14.14 | 43.5       | 42.79  | 14.51    | 1.97   | 29.91  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 265.17    | 30.04      | -15.96 | 46         | 37.24  | 19.53    | 3.09   | 29.82  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 840.4     | 32.4       | -13.6  | 46         | 28.32  | 27.84    | 5.43   | 29.19  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 892.2     | 32.6       | -13.4  | 46         | 27.65  | 28.21    | 5.63   | 28.89  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  | 959.4     | 33.51      | -12.49 | 46         | 26.56  | 29.74    | 5.8    | 28.59  | -      | -       | P     | V     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         | V     |       |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         | V     |       |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         | V     |       |
|                             |                                                                                                                                                                                                                                                  |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against limit line.<br>3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only. |           |            |        |            |        |          |        |        |        |         |       |       |



&lt;Ant. 7&gt;

&lt;1Mbps&gt;

## 2.4GHz 2400~2483.5MHz

## BLE (Band Edge @ 3m)

| BLE                     | Note | Frequency | Level      | Margin | Limit<br>Line | Read<br>Level | Antenna<br>Factor | Path<br>Loss | Preamp<br>Factor | Ant<br>Pos | Table<br>Pos | Peak<br>Avg. | Pol.    |
|-------------------------|------|-----------|------------|--------|---------------|---------------|-------------------|--------------|------------------|------------|--------------|--------------|---------|
|                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m )    | ( dBμV )      | ( dB/m )          | ( dB )       | ( dB )           | ( cm )     | ( deg )      | ( P/A )      | ( H/V ) |
| BLE<br>CH 00<br>2402MHz |      | 2330.79   | 54.97      | -19.03 | 74            | 38.96         | 32.1              | 18.25        | 34.34            | 141        | 141          | P            | H       |
|                         |      | 2385.6    | 46.43      | -7.57  | 54            | 30.44         | 31.96             | 18.35        | 34.32            | 141        | 141          | A            | H       |
|                         | *    | 2402      | 98.76      | -      | -             | 82.7          | 32                | 18.37        | 34.31            | 141        | 141          | P            | H       |
|                         | *    | 2402      | 98.23      | -      | -             | 82.17         | 32                | 18.37        | 34.31            | 141        | 141          | A            | H       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | H       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | H       |
|                         |      | 2345.07   | 56.35      | -17.65 | 74            | 40.31         | 32.1              | 18.28        | 34.34            | 239        | 2            | P            | V       |
|                         |      | 2345.91   | 46.71      | -7.29  | 54            | 30.67         | 32.1              | 18.28        | 34.34            | 239        | 2            | A            | V       |
|                         | *    | 2402      | 99.26      | -      | -             | 83.2          | 32                | 18.37        | 34.31            | 239        | 2            | P            | V       |
|                         | *    | 2402      | 98.76      | -      | -             | 82.7          | 32                | 18.37        | 34.31            | 239        | 2            | A            | V       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | V       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | V       |
| BLE<br>CH 19<br>2440MHz |      | 2352.14   | 54.75      | -19.25 | 74            | 38.72         | 32.08             | 18.29        | 34.34            | 300        | 143          | P            | H       |
|                         |      | 2343.46   | 46.3       | -7.7   | 54            | 30.27         | 32.1              | 18.27        | 34.34            | 300        | 143          | A            | H       |
|                         | *    | 2440      | 98.55      | -      | -             | 82.49         | 31.9              | 18.46        | 34.3             | 300        | 143          | P            | H       |
|                         | *    | 2440      | 97.97      | -      | -             | 81.91         | 31.9              | 18.46        | 34.3             | 300        | 143          | A            | H       |
|                         |      | 2495.45   | 56.32      | -17.68 | 74            | 39.77         | 32.25             | 18.57        | 34.27            | 300        | 143          | P            | H       |
|                         |      | 2492.72   | 46.75      | -7.25  | 54            | 30.22         | 32.23             | 18.57        | 34.27            | 300        | 143          | A            | H       |
|                         |      | 2383.78   | 55.83      | -18.17 | 74            | 39.87         | 31.94             | 18.34        | 34.32            | 227        | 316          | P            | V       |
|                         |      | 2338      | 46.41      | -7.59  | 54            | 30.39         | 32.1              | 18.26        | 34.34            | 227        | 316          | A            | V       |
|                         | *    | 2440      | 101.35     | -      | -             | 85.29         | 31.9              | 18.46        | 34.3             | 227        | 316          | P            | V       |
|                         | *    | 2440      | 100.85     | -      | -             | 84.79         | 31.9              | 18.46        | 34.3             | 227        | 316          | A            | V       |
|                         |      | 2483.48   | 55.86      | -94.14 | 150           | 39.47         | 32.13             | 18.54        | 34.28            | 227        | 316          | P            | V       |
|                         |      | 2489.08   | 47.06      | -6.94  | 54            | 30.58         | 32.19             | 18.56        | 34.27            | 227        | 316          | A            | V       |



| BLE                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 39<br>2480MHz | *                                                                                           | 2480                 | 98.19               | -                | -                           | 81.83                     | 32.1                          | 18.54                  | 34.28                      | 228                  | 292                     | P                       | H               |
|                         | *                                                                                           | 2480                 | 97.6                | -                | -                           | 81.24                     | 32.1                          | 18.54                  | 34.28                      | 228                  | 292                     | A                       | H               |
|                         |                                                                                             | 2483.72              | 55.56               | -18.44           | 74                          | 39.16                     | 32.14                         | 18.54                  | 34.28                      | 228                  | 292                     | P                       | H               |
|                         |                                                                                             | 2493.84              | 47.13               | -6.87            | 54                          | 30.59                     | 32.24                         | 18.57                  | 34.27                      | 228                  | 292                     | A                       | H               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         | *                                                                                           | 2480                 | 101.85              | -                | -                           | 85.49                     | 32.1                          | 18.54                  | 34.28                      | 251                  | 0                       | P                       | V               |
|                         | *                                                                                           | 2480                 | 101.36              | -                | -                           | 85                        | 32.1                          | 18.54                  | 34.28                      | 251                  | 0                       | A                       | V               |
|                         |                                                                                             | 2490.92              | 55.74               | -18.26           | 74                          | 39.24                     | 32.21                         | 18.56                  | 34.27                      | 251                  | 0                       | P                       | V               |
|                         |                                                                                             | 2491.24              | 46.87               | -7.13            | 54                          | 30.36                     | 32.21                         | 18.57                  | 34.27                      | 251                  | 0                       | A                       | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

## BLE (Harmonic @ 3m)

| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 00<br>2402MHz |      | 4804                 | 41.71               | -32.29           | 74                          | 53.63                     | 34.2                          | 13.07                  | 59.19                      | -                    | -                       | P                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 4804                 | 42.65               | -31.35           | 74                          | 54.57                     | 34.2                          | 13.07                  | 59.19                      | -                    | -                       | P                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 19<br>2440MHz |      | 4880                 | 41.69               | -32.31           | 74                          | 53.38                     | 34.26                         | 13.07                  | 59.02                      | -                    | -                       | P                       | H               |
|                         |      | 7320                 | 43.51               | -30.49           | 74                          | 50.16                     | 35.8                          | 15.29                  | 57.74                      | -                    | -                       | P                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 4880                 | 42.42               | -31.58           | 74                          | 54.11                     | 34.26                         | 13.07                  | 59.02                      | -                    | -                       | P                       | V               |
|                         |      | 7320                 | 42.72               | -31.28           | 74                          | 49.37                     | 35.8                          | 15.29                  | 57.74                      | -                    | -                       | P                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |





| BLE                     | Note                                                                                                                                                                                                                                   | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 39<br>2480MHz |                                                                                                                                                                                                                                        | 4960                 | 41.58               | -32.42           | 74                          | 52.95                     | 34.4                          | 13.07                  | 58.84                      | -                    | -                       | P                       | H               |
|                         |                                                                                                                                                                                                                                        | 7440                 | 42.15               | -31.85           | 74                          | 48.97                     | 35.62                         | 15.45                  | 57.89                      | -                    | -                       | P                       | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                                                                                                                                                                        | 4960                 | 41.42               | -32.58           | 74                          | 52.79                     | 34.4                          | 13.07                  | 58.84                      | -                    | -                       | P                       | V               |
|                         |                                                                                                                                                                                                                                        | 7440                 | 42.61               | -31.39           | 74                          | 49.43                     | 35.62                         | 15.45                  | 57.89                      | -                    | -                       | P                       | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                                                                                                                                                                        |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



&lt;2Mbps&gt;

## 2.4GHz 2400~2483.5MHz

## BLE (Band Edge @ 3m)

| BLE                     | Note | Frequency | Level      | Margin | Limit<br>Line | Read<br>Level | Antenna<br>Factor | Path<br>Loss | Preamp<br>Factor | Ant<br>Pos | Table<br>Pos | Peak<br>Avg. | Pol.    |
|-------------------------|------|-----------|------------|--------|---------------|---------------|-------------------|--------------|------------------|------------|--------------|--------------|---------|
|                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m )    | ( dBμV )      | ( dB/m )          | ( dB )       | ( dB )           | ( cm )     | ( deg )      | ( P/A )      | ( H/V ) |
| BLE<br>CH 00<br>2402MHz |      | 2388.645  | 55.13      | -18.87 | 74            | 39.11         | 31.99             | 18.35        | 34.32            | 100        | 141          | P            | H       |
|                         |      | 2331.945  | 46.87      | -7.13  | 54            | 30.86         | 32.1              | 18.25        | 34.34            | 100        | 141          | A            | H       |
|                         | *    | 2402      | 98.29      | -      | -             | 82.23         | 32                | 18.37        | 34.31            | 100        | 141          | P            | H       |
|                         | *    | 2402      | 96.86      | -      | -             | 80.8          | 32                | 18.37        | 34.31            | 100        | 141          | A            | H       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | H       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | H       |
|                         |      | 2370.27   | 56.49      | -17.51 | 74            | 40.6          | 31.9              | 18.32        | 34.33            | 239        | 360          | P            | V       |
|                         |      | 2337.72   | 47.06      | -6.94  | 54            | 31.04         | 32.1              | 18.26        | 34.34            | 239        | 360          | A            | V       |
|                         | *    | 2402      | 98.94      | -      | -             | 82.88         | 32                | 18.37        | 34.31            | 239        | 360          | P            | V       |
|                         | *    | 2402      | 97.71      | -      | -             | 81.65         | 32                | 18.37        | 34.31            | 239        | 360          | A            | V       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | V       |
|                         |      |           |            |        |               |               |                   |              |                  |            |              |              | V       |
| BLE<br>CH 19<br>2440MHz |      | 2334.36   | 55.7       | -18.3  | 74            | 39.68         | 32.1              | 18.26        | 34.34            | 300        | 143          | P            | H       |
|                         |      | 2327.5    | 46.9       | -7.1   | 54            | 30.9          | 32.1              | 18.25        | 34.35            | 300        | 143          | A            | H       |
|                         | *    | 2440      | 98.73      | -      | -             | 82.67         | 31.9              | 18.46        | 34.3             | 300        | 143          | P            | H       |
|                         | *    | 2440      | 97.08      | -      | -             | 81.02         | 31.9              | 18.46        | 34.3             | 300        | 143          | A            | H       |
|                         |      | 2498.32   | 56.38      | -17.62 | 74            | 39.79         | 32.28             | 18.58        | 34.27            | 300        | 143          | P            | H       |
|                         |      | 2484.74   | 47.55      | -6.45  | 54            | 31.14         | 32.15             | 18.54        | 34.28            | 300        | 143          | A            | H       |
|                         |      | 2385.6    | 55.45      | -18.55 | 74            | 39.46         | 31.96             | 18.35        | 34.32            | 227        | 316          | P            | V       |
|                         |      | 2312.38   | 46.92      | -7.08  | 54            | 30.95         | 32.1              | 18.22        | 34.35            | 227        | 316          | A            | V       |
|                         | *    | 2440      | 101.28     | -      | -             | 85.22         | 31.9              | 18.46        | 34.3             | 227        | 316          | P            | V       |
|                         | *    | 2440      | 99.92      | -      | -             | 83.86         | 31.9              | 18.46        | 34.3             | 227        | 316          | A            | V       |
|                         |      | 2487.68   | 56.11      | -17.89 | 74            | 39.65         | 32.18             | 18.56        | 34.28            | 227        | 316          | P            | V       |
|                         |      | 2499.3    | 47.3       | -6.7   | 54            | 30.7          | 32.29             | 18.58        | 34.27            | 227        | 316          | A            | V       |



| BLE                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 39<br>2480MHz | *                                                                                           | 2480                 | 98.34               | -                | -                           | 81.98                     | 32.1                          | 18.54                  | 34.28                      | 228                  | 292                     | P                       | H               |
|                         | *                                                                                           | 2480                 | 96.8                | -                | -                           | 80.44                     | 32.1                          | 18.54                  | 34.28                      | 228                  | 292                     | A                       | H               |
|                         |                                                                                             | 2498.52              | 55.77               | -18.23           | 74                          | 39.17                     | 32.29                         | 18.58                  | 34.27                      | 228                  | 292                     | P                       | H               |
|                         |                                                                                             | 2494.96              | 47.44               | -6.56            | 54                          | 30.89                     | 32.25                         | 18.57                  | 34.27                      | 228                  | 292                     | A                       | H               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         | *                                                                                           | 2480                 | 101.81              | -                | -                           | 85.45                     | 32.1                          | 18.54                  | 34.28                      | 251                  | 360                     | P                       | V               |
|                         | *                                                                                           | 2480                 | 100.39              | -                | -                           | 84.03                     | 32.1                          | 18.54                  | 34.28                      | 251                  | 360                     | A                       | V               |
|                         |                                                                                             | 2486.44              | 55.28               | -18.72           | 74                          | 38.85                     | 32.16                         | 18.55                  | 34.28                      | 251                  | 360                     | P                       | V               |
|                         |                                                                                             | 2494.96              | 47.26               | -6.74            | 54                          | 30.71                     | 32.25                         | 18.57                  | 34.27                      | 251                  | 360                     | A                       | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

## BLE (Harmonic @ 3m)

| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 00<br>2402MHz |      | 4804                 | 42.42               | -31.58           | 74                          | 54.34                     | 34.2                          | 13.07                  | 59.19                      | -                    | -                       | P                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 4804                 | 42.21               | -31.79           | 74                          | 54.13                     | 34.2                          | 13.07                  | 59.19                      | -                    | -                       | P                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| BLE                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| BLE<br>CH 19<br>2440MHz |      | 4880                 | 42.57               | -31.43           | 74                          | 54.26                     | 34.26                         | 13.07                  | 59.02                      | -                    | -                       | P                       | H               |
|                         |      | 7320                 | 42.97               | -31.03           | 74                          | 49.62                     | 35.8                          | 15.29                  | 57.74                      | -                    | -                       | P                       | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                         |      | 4880                 | 42.1                | -31.9            | 74                          | 53.79                     | 34.26                         | 13.07                  | 59.02                      | -                    | -                       | P                       | V               |
|                         |      | 7320                 | 42.47               | -31.53           | 74                          | 49.12                     | 35.8                          | 15.29                  | 57.74                      | -                    | -                       | P                       | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                         |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

| BLE                     | Note | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><br>( dB ) | Limit<br>Line<br><br>( dBμV/m ) | Read<br>Level<br><br>( dBμV ) | Antenna<br>Factor<br><br>( dB/m ) | Path<br>Loss<br><br>( dB ) | Preamp<br>Factor<br><br>( dB ) | Ant<br>Pos<br><br>( cm ) | Table<br>Pos<br><br>( deg ) | Peak<br>Avg.<br><br>(P/A) | Pol.<br><br>(H/V) |
|-------------------------|------|--------------------------|-------------------------|----------------------|---------------------------------|-------------------------------|-----------------------------------|----------------------------|--------------------------------|--------------------------|-----------------------------|---------------------------|-------------------|
| BLE<br>CH 39<br>2480MHz |      | 4960                     | 41.62                   | -32.38               | 74                              | 52.99                         | 34.4                              | 13.07                      | 58.84                          | -                        | -                           | P                         | H                 |
|                         |      | 7440                     | 42.25                   | -31.75               | 74                              | 49.07                         | 35.62                             | 15.45                      | 57.89                          | -                        | -                           | P                         | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                         |      | 4960                     | 41.69                   | -32.31               | 74                              | 53.06                         | 34.4                              | 13.07                      | 58.84                          | -                        | -                           | P                         | V                 |
|                         |      | 7440                     | 42.67                   | -31.33               | 74                              | 49.49                         | 35.62                             | 15.45                      | 57.89                          | -                        | -                           | P                         | V                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                         |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           |                   |

## Emission below 1GHz

## 2.4GHz BLE (LF)

[illegible]



**Note symbol**

|     |                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| *   | <b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| !   | Test result is <b>Margin</b> line.                                                                                                                       |
| P/A | <b>Peak</b> or <b>Average</b>                                                                                                                            |
| H/V | <b>Horizontal</b> or <b>Vertical</b>                                                                                                                     |





A calculation example for radiated spurious emission is shown as below:

| BLE                     | Note | Frequency | Level      | Margin | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
|                         |      |           |            |        | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
|                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| BLE<br>CH 00<br>2402MHz |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
|                         |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =  
Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
2. Margin (dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
2. Margin (dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



## Appendix D. Radiated Spurious Emission Plots

|                        |                                   |                            |             |
|------------------------|-----------------------------------|----------------------------|-------------|
| <b>Test Engineer :</b> | Jesse Wang, Stan Hsieh and Ken Wu | <b>Temperature :</b>       | 23.5~26.5°C |
|                        |                                   | <b>Relative Humidity :</b> | 42.8~67.2%  |

### Note symbol

|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |

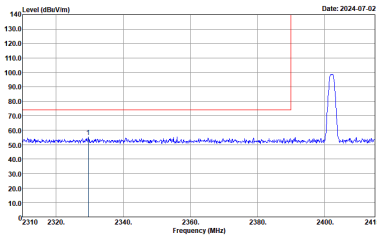
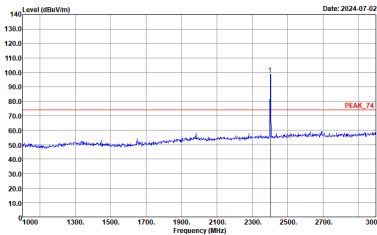
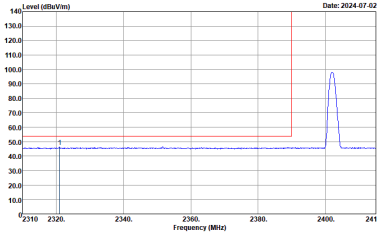
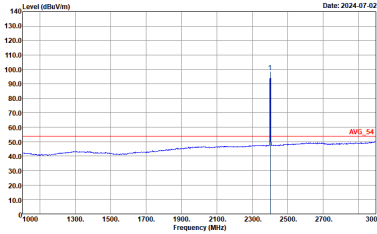


&lt;Ant. 6&gt;

&lt;1Mbps&gt;

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH00 2402MHz                                                                                                                                                                                                  |                                                                                                                                                                                                                 |
|      | Horizontal                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_ME_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE_S4 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>   |  <p>Site : 03CH07-HY<br/>Condition : AVG_S4 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>   |

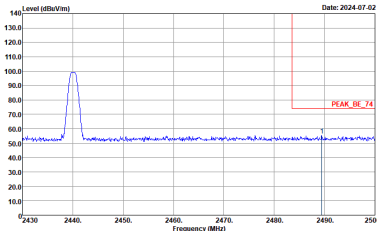
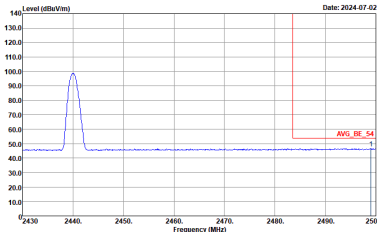


| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                      |                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH00 2402MHz                                                                                                                          |                                                                                                                                           |
|      | Vertical                                                                                                                                  | Fundamental                                                                                                                               |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> |
| Avg  | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p></div>     | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p></div>     |

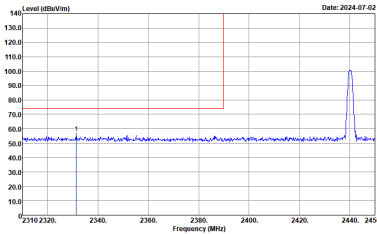
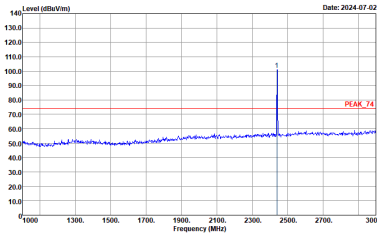
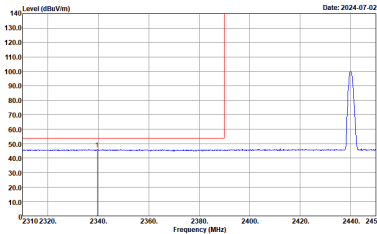
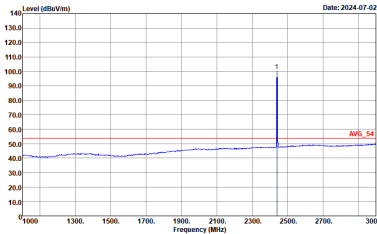


| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                            |                                                                                                                              |
|------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH19 2440MHz - L                                                                                                            |                                                                                                                              |
|      | Horizontal                                                                                                                      | Fundamental                                                                                                                  |
| Peak | <p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>     | <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>     |

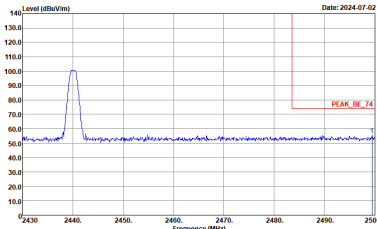
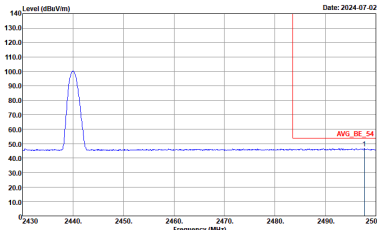


|      |                                                                                                                                                                                                                             |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|      | BLE CH19 2440MHz - R                                                                                                                                                                                                        |             |
|      | Horizontal                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p></div>   | Left blank  |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                             |                                                                                                                                                                                                                   |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH19 2440MHz - L                                                                                                                                                                                             |                                                                                                                                                                                                                   |
|      | Vertical                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. |  <p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>   |  <p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>   |



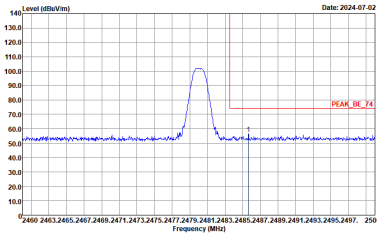
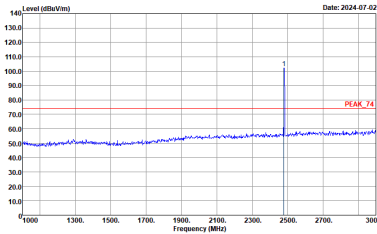
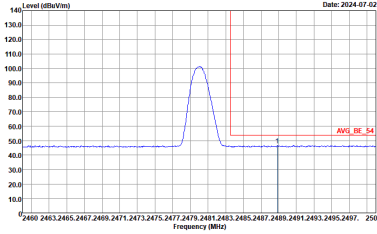
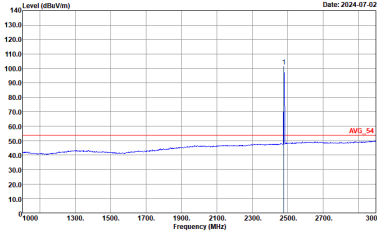
|      |                                                                                                                                                                                                                           |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|      | BLE CH19 2440MHz - R                                                                                                                                                                                                      |             |
|      | Vertical                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p></div>   | Left blank  |





| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                             |                                                                                                                               |
|------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH39 2480MHz                                                                                                                 |                                                                                                                               |
|      | Horizontal                                                                                                                       | Fundamental                                                                                                                   |
| Peak | <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>     | <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>     |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                             |                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH39 2480MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                |
|      | Vertical                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>   |  <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>   |



2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

|              |                                                                                                                                                    |                                                                                                                                                  |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                |                                                                                                                                                  |
|              | BLE CH00 2402MHz                                                                                                                                   |                                                                                                                                                  |
|              | Horizontal                                                                                                                                         | Vertical                                                                                                                                         |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Site : 03CH07-4H<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Site : 03CH07-4H<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - - - -</p></div> |



|              |                                                                                                                                                                                        |                                                                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                    |                                                                                                                                                                                      |
|              | BLE CH19 2440MHz                                                                                                                                                                       |                                                                                                                                                                                      |
|              | Horizontal                                                                                                                                                                             | Vertical                                                                                                                                                                             |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -<br/>- - - - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - - - -<br/>- - - - -</p></div> |



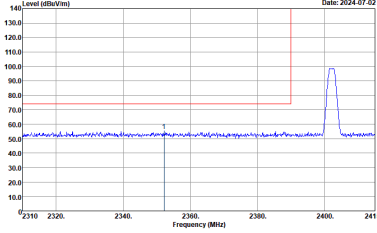
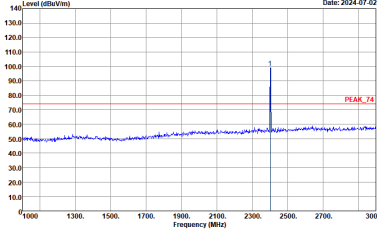
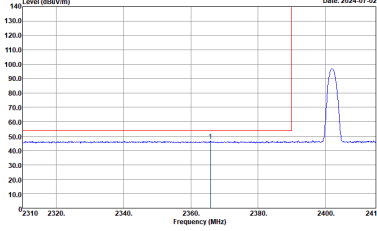
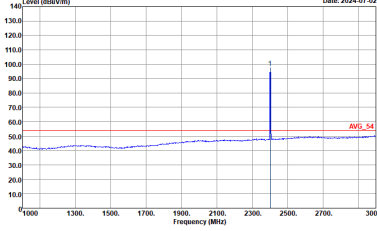
|      |                                                                                                                                                                          |                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE  | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                      |                                                                                                                                                                        |
|      | BLE CH39 2480MHz                                                                                                                                                         |                                                                                                                                                                        |
|      | Horizontal                                                                                                                                                               | Vertical                                                                                                                                                               |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - - - -</p></div> |



&lt;2Mbps&gt;

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                           |                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH00 2402MHz                                                                                                                                                                                               |                                                                                                                                                                                                                 |
|      | Horizontal                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE_3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE_3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto</p>   |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto</p>   |



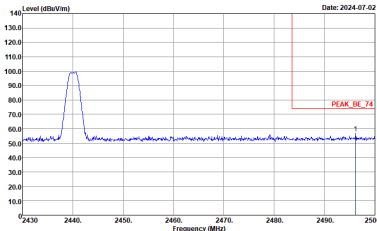
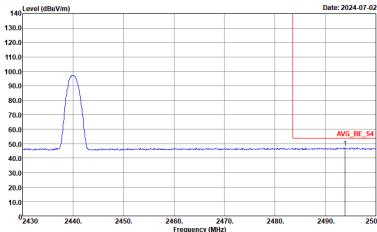
| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                      |                                                                                                                                        |
|------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH00 2402MHz                                                                                                                          |                                                                                                                                        |
|      | Vertical                                                                                                                                  | Fundamental                                                                                                                            |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> |
| Avg  | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWTAuto</p></div>     | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWTAuto</p></div>     |



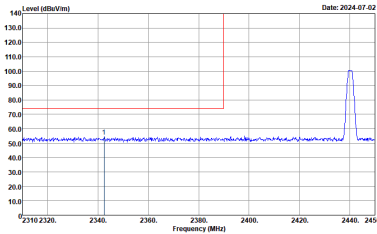
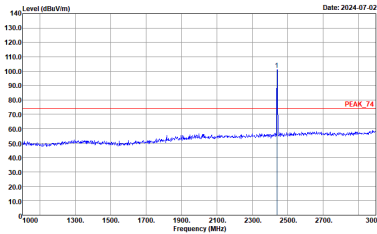
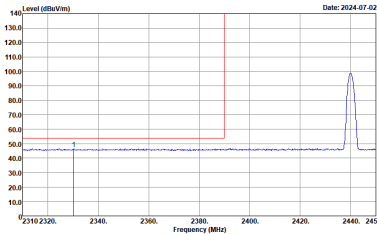
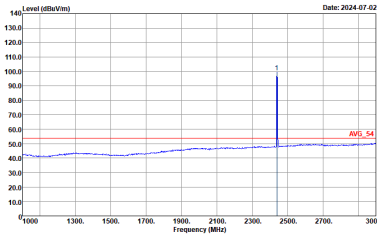
| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                            |                                                                                                                              |
|------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH19 2440MHz - L                                                                                                            |                                                                                                                              |
|      | Horizontal                                                                                                                      | Fundamental                                                                                                                  |
| Peak | <p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto</p>     | <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto</p>     |



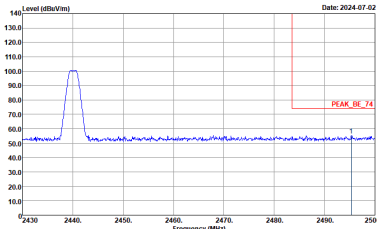
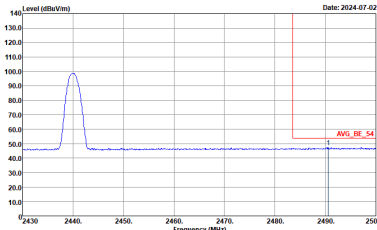


| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                          |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|      | BLE CH19 2440MHz - R                                                                                                                                                                                                          |             |
|      | Horizontal                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p></div>   | Left blank  |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                             |                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH19 2440MHz - L                                                                                                                                                                                             |                                                                                                                                                                                                                |
|      | Vertical                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. |  <p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>   |  <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>   |



|      |                                                                                                                                                                                                                           |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|      | BLE CH19 2440MHz - R                                                                                                                                                                                                      |             |
|      | Vertical                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p></div>   | Left blank  |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                             |                                                                                                                               |
|------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH39 2480MHz                                                                                                                 |                                                                                                                               |
|      | Horizontal                                                                                                                       | Fundamental                                                                                                                   |
| Peak | <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>     | <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>     |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                           |                                                                                                                             |
|------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH39 2480MHz                                                                                                               |                                                                                                                             |
|      | Vertical                                                                                                                       | Fundamental                                                                                                                 |
| Peak | <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>     | <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>     |



2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

|              |                                                                                                                                      |                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                  |                                                                                                                                    |
|              | BLE CH00 2402MHz                                                                                                                     |                                                                                                                                    |
|              | Horizontal                                                                                                                           | Vertical                                                                                                                           |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Site : 03CH07-4H<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Site : 03CH07-4H<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL</p></div> |



|              |                                                                                                                                                                                        |                                                                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                    |                                                                                                                                                                                      |
|              | BLE CH19 2440MHz                                                                                                                                                                       |                                                                                                                                                                                      |
|              | Horizontal                                                                                                                                                                             | Vertical                                                                                                                                                                             |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -<br/>- - - - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - - - -<br/>- - - - -</p></div> |



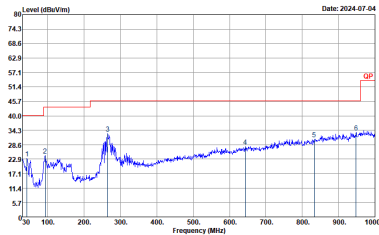
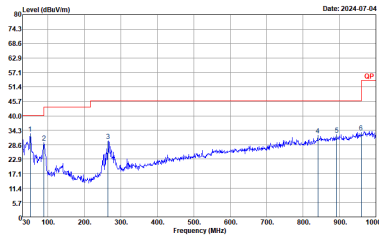
|      |                                                                                                                                                                      |                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE  | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                  |                                                                                                                                                                    |
|      | BLE CH39 2480MHz                                                                                                                                                     |                                                                                                                                                                    |
|      | Horizontal                                                                                                                                                           | Vertical                                                                                                                                                           |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - -</p></div> |





Emission below 1GHz

2.4GHz BLE (LF)

|              |                                                                                                                                                                                      |                                                                                                                                                                                     |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz                                                                                                                                                                |                                                                                                                                                                                     |
|              | BLE LF                                                                                                                                                                               |                                                                                                                                                                                     |
|              | Horizontal                                                                                                                                                                           | Vertical                                                                                                                                                                            |
| QP /<br>Peak | <div><p>Site : 03CH07-HY<br/>Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL<br/>- - - - -</p></div> | <div><p>Site : 03CH07-HY<br/>Condition : QP 3m LF-ANT-35419(6)_H VERTICAL<br/>- - - - -</p></div> |

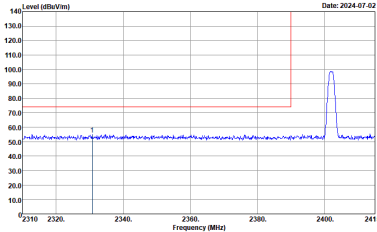
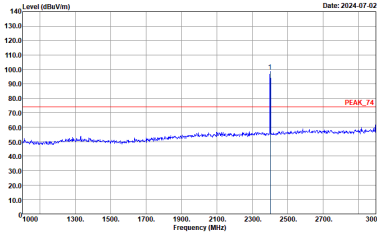
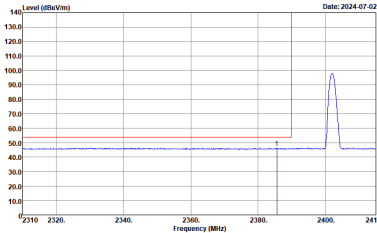
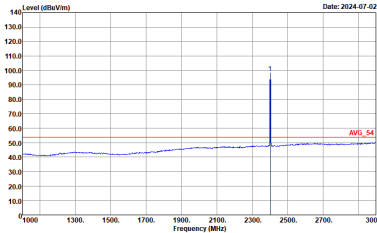


&lt;Ant. 7&gt;

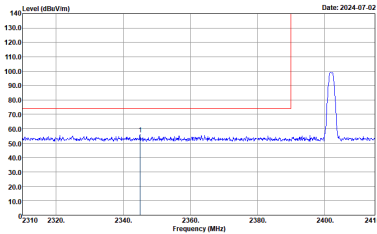
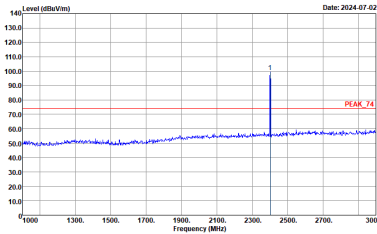
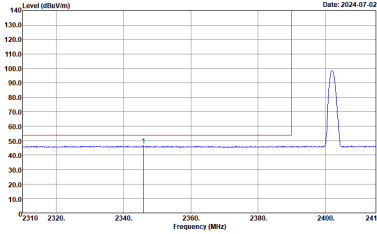
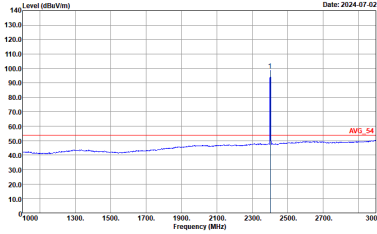
&lt;1Mbps&gt;

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH00 2402MHz                                                                                                                                                                                                  |                                                                                                                                                                                                                 |
|      | Horizontal                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_8E_74.3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK_74.3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH07-HY<br/>Condition : AVG_8E_54.3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>   |  <p>Site : 03CH07-HY<br/>Condition : AVG_54.3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>   |

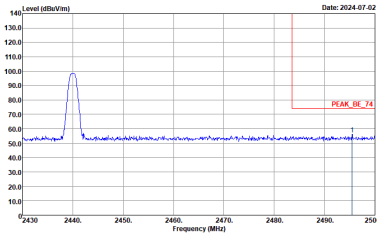
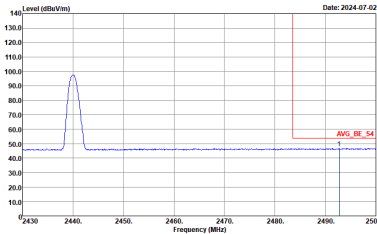


| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH00 2402MHz                                                                                                                                                                                                           |                                                                                                                                                                                                                             |
|      | Vertical                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> |
| Avg  | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p></div>   | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p></div>   |

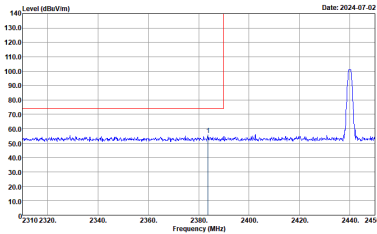
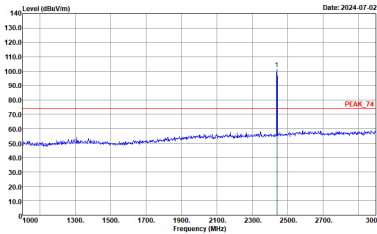
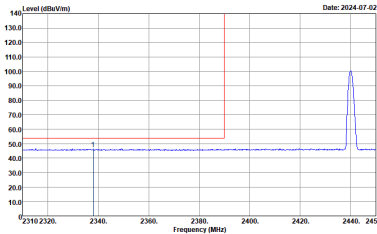
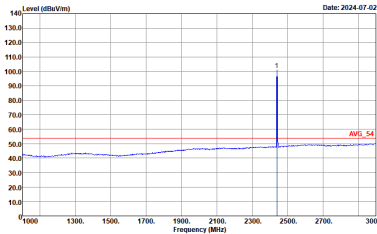


| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                            |                                                                                                                              |
|------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH19 2440MHz - L                                                                                                            |                                                                                                                              |
|      | Horizontal                                                                                                                      | Fundamental                                                                                                                  |
| Peak | <p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>     | <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>     |

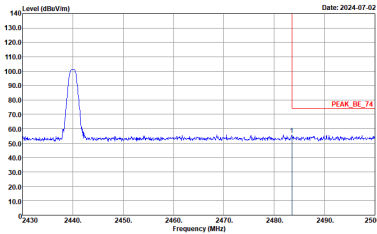
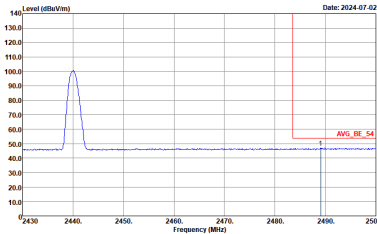


| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                          |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|      | BLE CH19 2440MHz - R                                                                                                                                                                                                          |             |
|      | Horizontal                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p></div>   | Left blank  |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH19 2440MHz - L                                                                                                                                                                                                       |                                                                                                                                                                                                                             |
|      | Vertical                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p></div>   | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p></div>   |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|      | BLE CH19 2440MHz - R                                                                                                                                                                                                      |             |
|      | Vertical                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p></div>   | Left blank  |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                             |                                                                                                                               |
|------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH39 2480MHz                                                                                                                 |                                                                                                                               |
|      | Horizontal                                                                                                                       | Fundamental                                                                                                                   |
| Peak | <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>     | <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>     |





| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                           |                                                                                                                             |
|------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH39 2480MHz                                                                                                               |                                                                                                                             |
|      | Vertical                                                                                                                       | Fundamental                                                                                                                 |
| Peak | <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>     | <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>     |



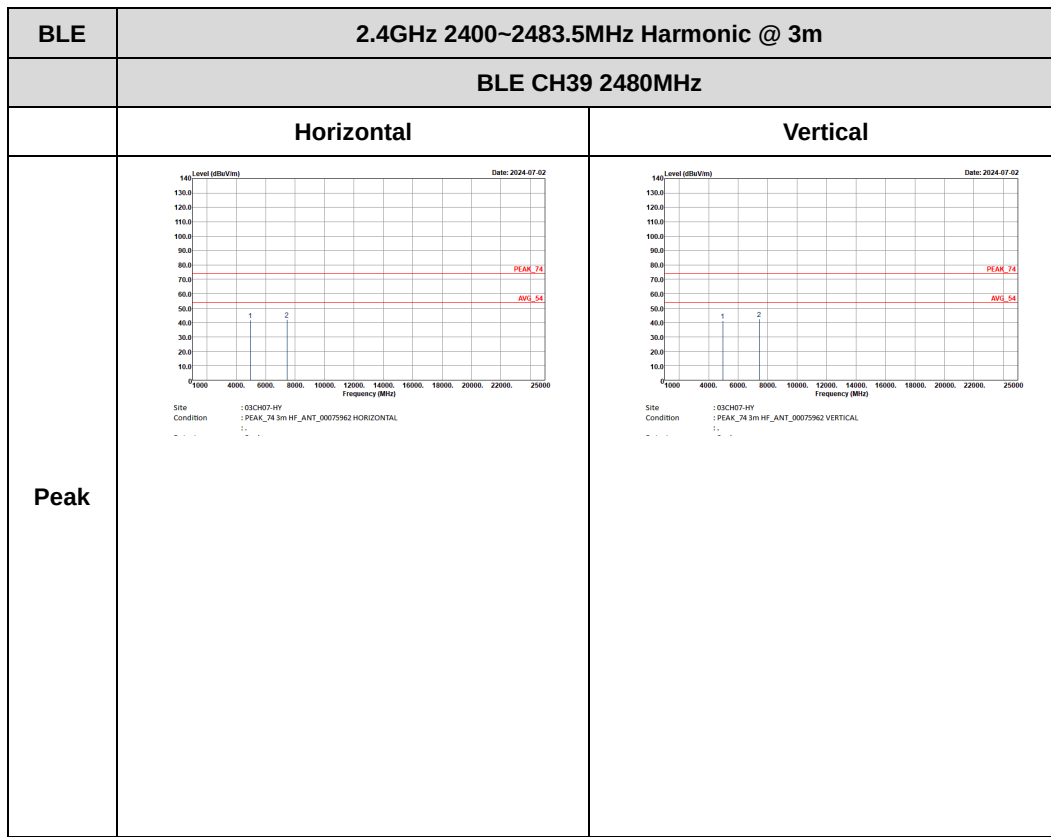
2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

|              |                                                                                                                                                    |                                                                                                                                                  |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                |                                                                                                                                                  |
|              | BLE CH00 2402MHz                                                                                                                                   |                                                                                                                                                  |
|              | Horizontal                                                                                                                                         | Vertical                                                                                                                                         |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Site : 03CH07-4H<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Site : 03CH07-4H<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - - - -</p></div> |



|              |                                                                                                                                                                                        |                                                                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                    |                                                                                                                                                                                      |
|              | BLE CH19 2440MHz                                                                                                                                                                       |                                                                                                                                                                                      |
|              | Horizontal                                                                                                                                                                             | Vertical                                                                                                                                                                             |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-05</p><p>Frequency (MHz)</p><p>Site : 03CH07-4Y<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -<br/>- - - - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-4Y<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - - - -<br/>- - - - -</p></div> |

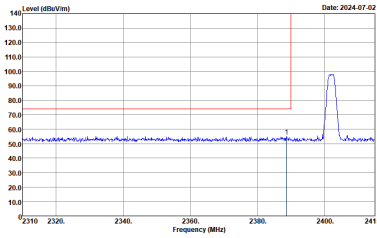
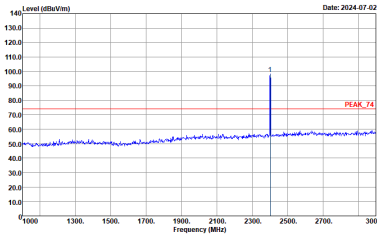
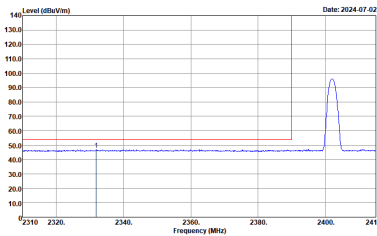
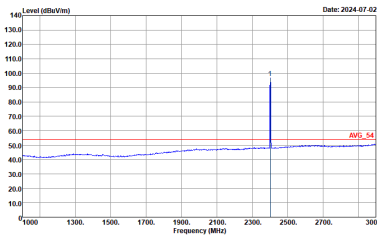




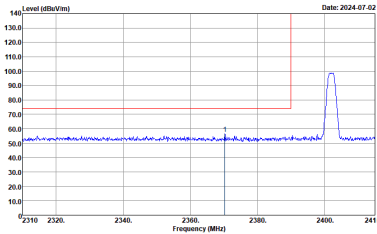
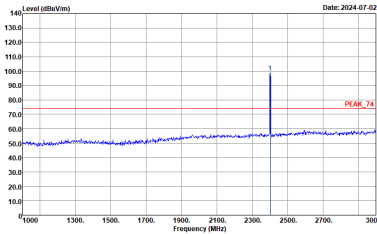
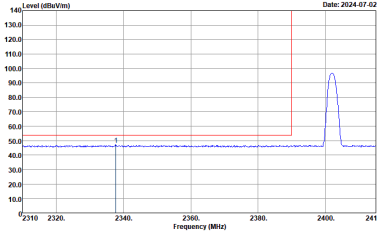
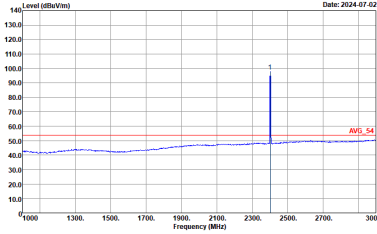
&lt;2Mbps&gt;

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                           |                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH00 2402MHz                                                                                                                                                                                               |                                                                                                                                                                                                                 |
|      | Horizontal                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_3E_3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK_3A_3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH07-HY<br/>Condition : AVG_3E_3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto</p>   |  <p>Site : 03CH07-HY<br/>Condition : AVG_3A_3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto</p>   |

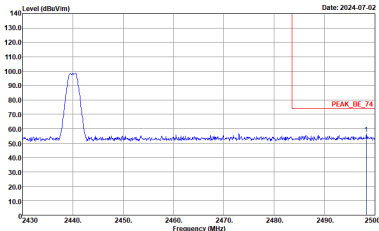
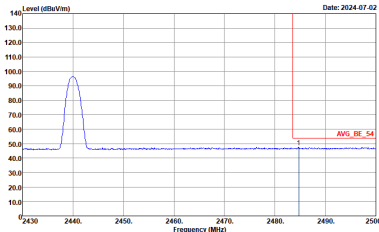


| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH00 2402MHz                                                                                                                                                                                                           |                                                                                                                                                                                                                          |
|      | Vertical                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                              |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> |
| Avg  | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p></div>   | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p></div>   |



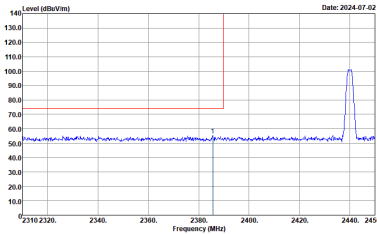
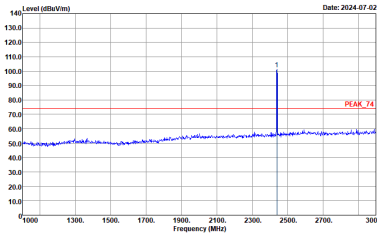
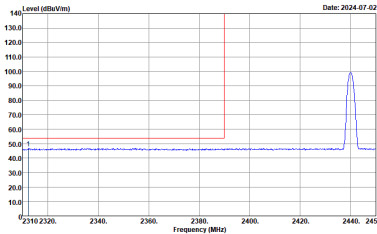
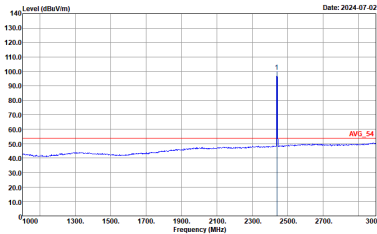
| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                            |                                                                                                                              |
|------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH19 2440MHz - L                                                                                                            |                                                                                                                              |
|      | Horizontal                                                                                                                      | Fundamental                                                                                                                  |
| Peak | <p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto</p>     | <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto</p>     |



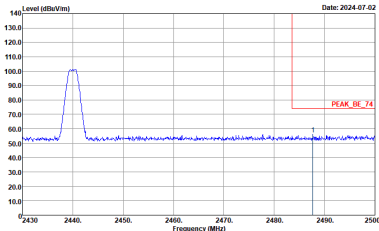
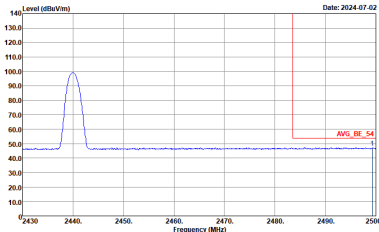
|      |                                                                                                                                                                                                                             |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|      | BLE CH19 2440MHz - R                                                                                                                                                                                                        |             |
|      | Horizontal                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWT:Auto</p></div>   | Left blank  |



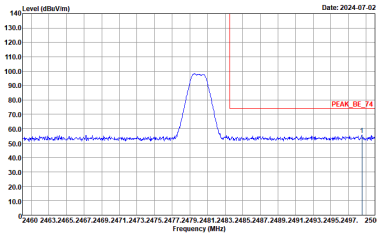
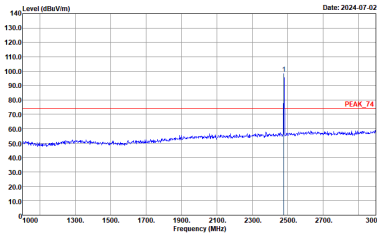
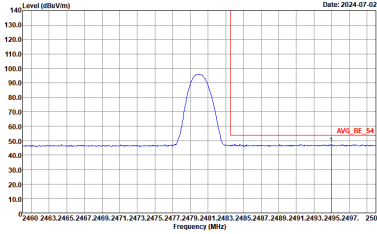
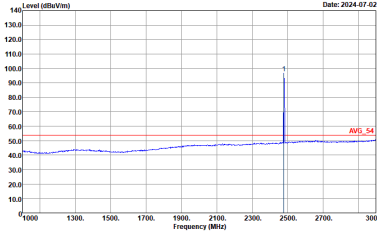


| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH19 2440MHz - L                                                                                                                                                                                                       |                                                                                                                                                                                                                          |
|      | Vertical                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                              |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> | <div><p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_RE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p></div>   | <div><p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p></div>   |



|      |                                                                                                                                                                                                                           |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|      | BLE CH19 2440MHz - R                                                                                                                                                                                                      |             |
|      | Vertical                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH07-HY<br/>Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p></div>   | Left blank  |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH39 2480MHz                                                                                                                                                                                                   |                                                                                                                                                                                                                  |
|      | Horizontal                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>   |  <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>   |



| BLE  | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                           |                                                                                                                             |
|------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|      | BLE CH39 2480MHz                                                                                                               |                                                                                                                             |
|      | Vertical                                                                                                                       | Fundamental                                                                                                                 |
| Peak | <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | <p>Site : 03CH07-HY<br/>Condition : : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg. | <p>Site : 03CH07-HY<br/>Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>     | <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>     |



2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

|              |                                                                                                                                      |                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                  |                                                                                                                                    |
|              | BLE CH00 2402MHz                                                                                                                     |                                                                                                                                    |
|              | Horizontal                                                                                                                           | Vertical                                                                                                                           |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Site : 03CH07-4H<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Site : 03CH07-4H<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL</p></div> |



|              |                                                                                                                                                                                        |                                                                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                    |                                                                                                                                                                                      |
|              | BLE CH19 2440MHz                                                                                                                                                                       |                                                                                                                                                                                      |
|              | Horizontal                                                                                                                                                                             | Vertical                                                                                                                                                                             |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -<br/>- - - - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - - - -<br/>- - - - -</p></div> |



|      |                                                                                                                                                                          |                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BLE  | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                      |                                                                                                                                                                        |
|      | BLE CH39 2480MHz                                                                                                                                                         |                                                                                                                                                                        |
|      | Horizontal                                                                                                                                                               | Vertical                                                                                                                                                               |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-02</p><p>Frequency (MHz)</p><p>Site : 03CH07-HY<br/>Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL<br/>- - - - -</p></div> |



Emission below 1GHz

2.4GHz BLE (LF)

|              |                                                                                                                                   |                                                                                                                                 |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| BLE          | 2.4GHz 2400~2483.5MHz                                                                                                             |                                                                                                                                 |
|              | BLE LF                                                                                                                            |                                                                                                                                 |
|              | Horizontal                                                                                                                        | Vertical                                                                                                                        |
| QP /<br>Peak | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-04</p><p>Site : 03CH07-HY<br/>Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-07-04</p><p>Site : 03CH07-HY<br/>Condition : QP 3m LF-ANT-35419(6)_H VERTICAL</p></div> |

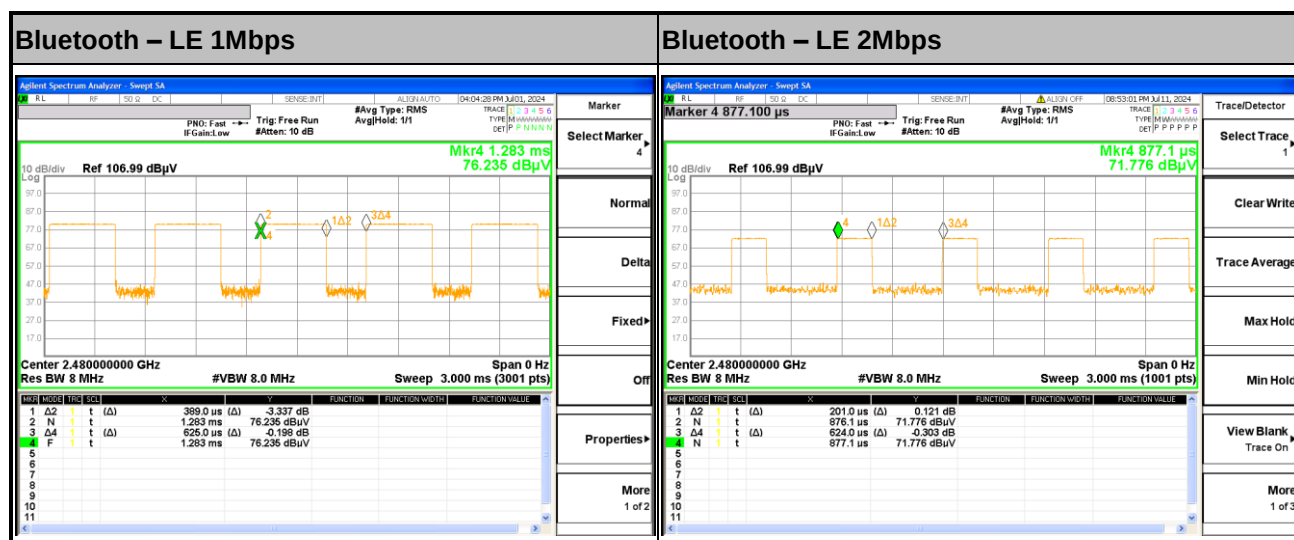




## Appendix E. Duty Cycle Plots

| Antenna | Band                     | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---------|--------------------------|---------------|-------|----------|-------------|
| 6       | Bluetooth - LE for 1Mbps | 62.24         | 389   | 2.57     | 3kHz        |
| 6       | Bluetooth - LE for 2Mbps | 32.21         | 201   | 4.98     | 5.1kHz      |
| 7       | Bluetooth - LE for 1Mbps | 62.24         | 389   | 2.57     | 3kHz        |
| 7       | Bluetooth - LE for 2Mbps | 32.53         | 203   | 4.93     | 5.1kHz      |

&lt;Ant.6&gt;



&lt;Ant.7&gt;

