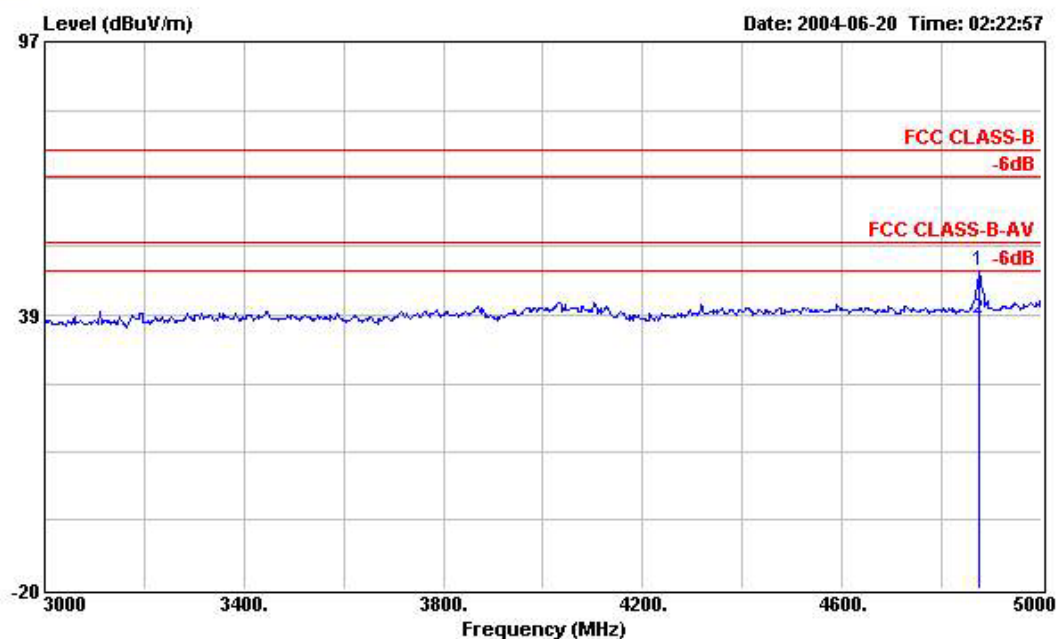




Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:06;2437MHz

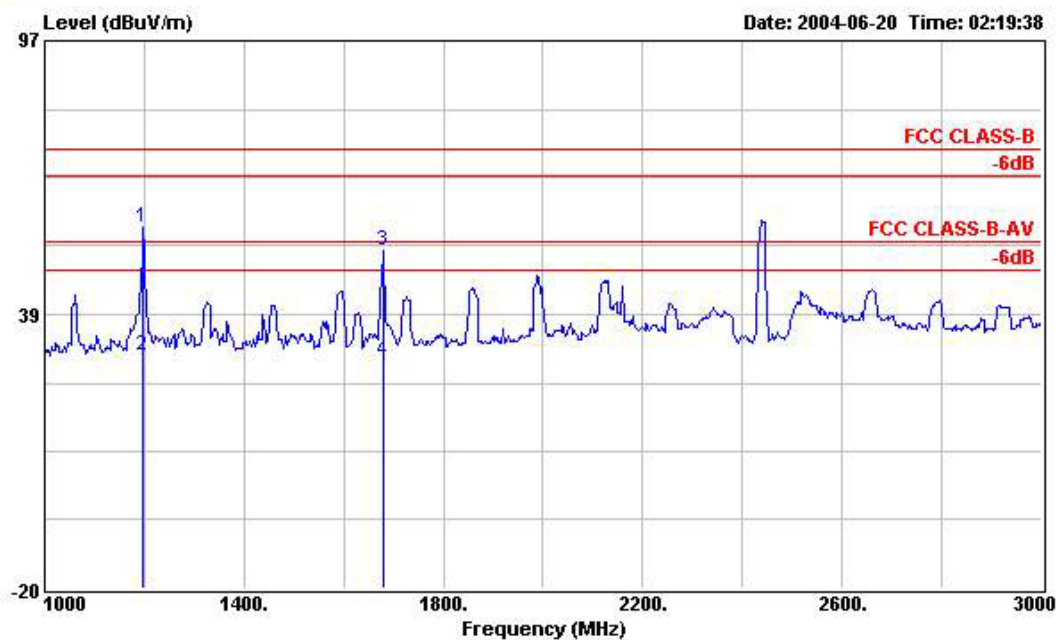
|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 4876.000 | 48.08  | -25.92     | 74.00      | 54.65      | 33.35        | 2.52       | 42.44         | Peak    | ---     | ---       |
| 2 | 4876.000 | 37.65  | -16.35     | 54.00      | 44.22      | 33.35        | 2.52       | 42.44         | Average | 100     | 78        |

Mark:

Frequency from 4876MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.

# FCC TEST REPORT

Report No. :F461101



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:06,2437MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 1198.000 | 57.05  | -16.95     | 74.00      | 71.76      | 24.38        | 1.22       | 40.31         | Peak    | ---     | ---       |
| 2 | 1198.000 | 29.75  | -24.25     | 54.00      | 44.46      | 24.38        | 1.22       | 40.31         | Average | 100     | 190       |
| 3 | 1678.000 | 52.13  | -21.87     | 74.00      | 65.37      | 25.92        | 1.55       | 40.71         | Peak    | ---     | ---       |
| 4 | 1678.000 | 28.69  | -25.31     | 54.00      | 41.93      | 25.92        | 1.55       | 40.71         | Average | 100     | 267       |

**SPORTON International Inc.**

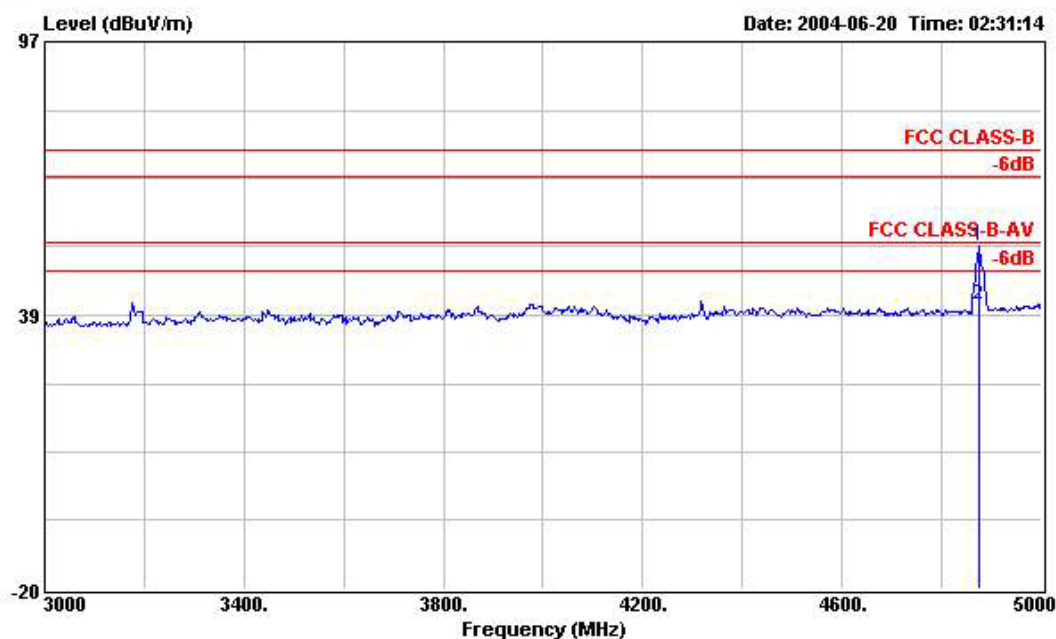
TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID : NDD9573170407

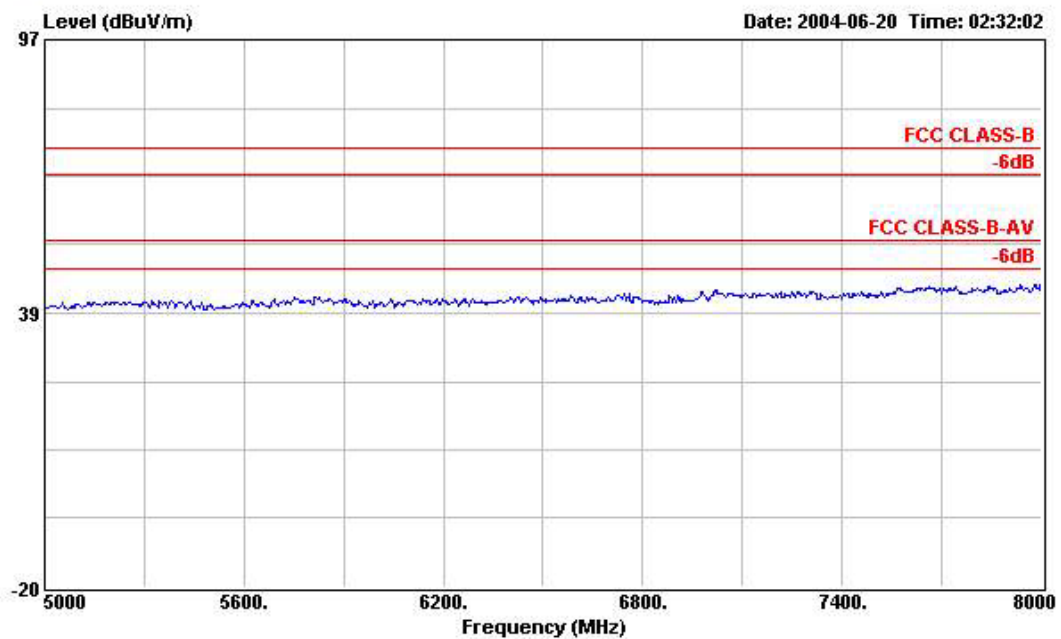
Page No. : 68 of 132

Issued Date : June 21, 2004

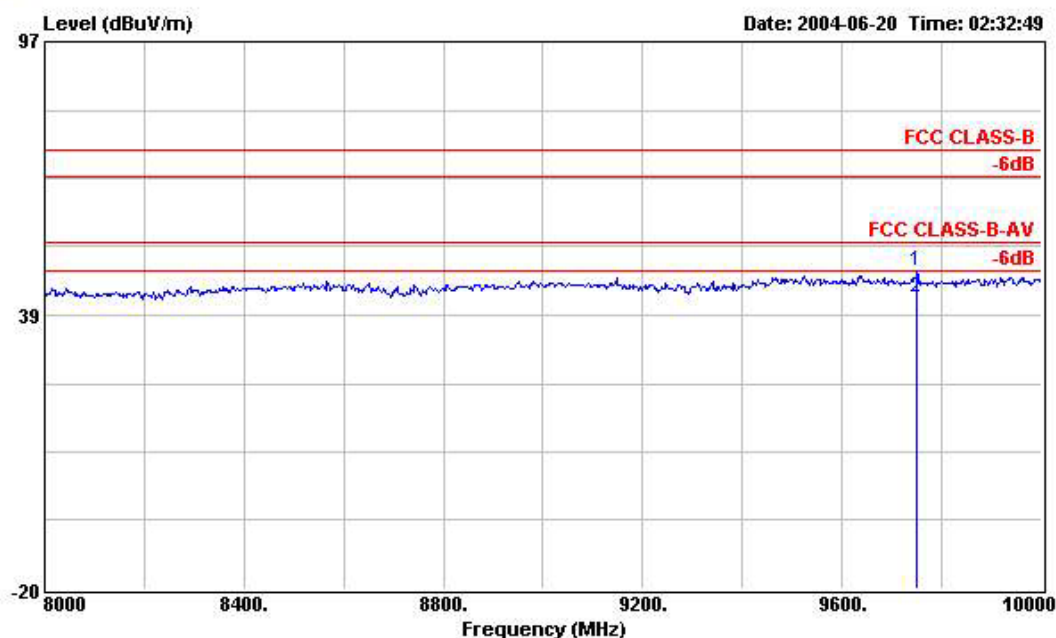


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:06;2437MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 4876.000 | 53.34  | -20.66     | 74.00      | 59.91      | 33.35        | 2.52       | 42.44         | Peak    | ---     | ---       |
| 2 | 4876.000 | 40.91  | -13.09     | 54.00      | 47.48      | 33.35        | 2.52       | 42.44         | Average | 100     | 221       |



Site : 03CH03-HY  
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
EUT : EW-7317UHG, GWU-07HG  
Power : 120Vac/60Hz  
Model : EW-7317UHG, GWU-07HG  
Memo : 11b TX\_CH:06;2437MHz

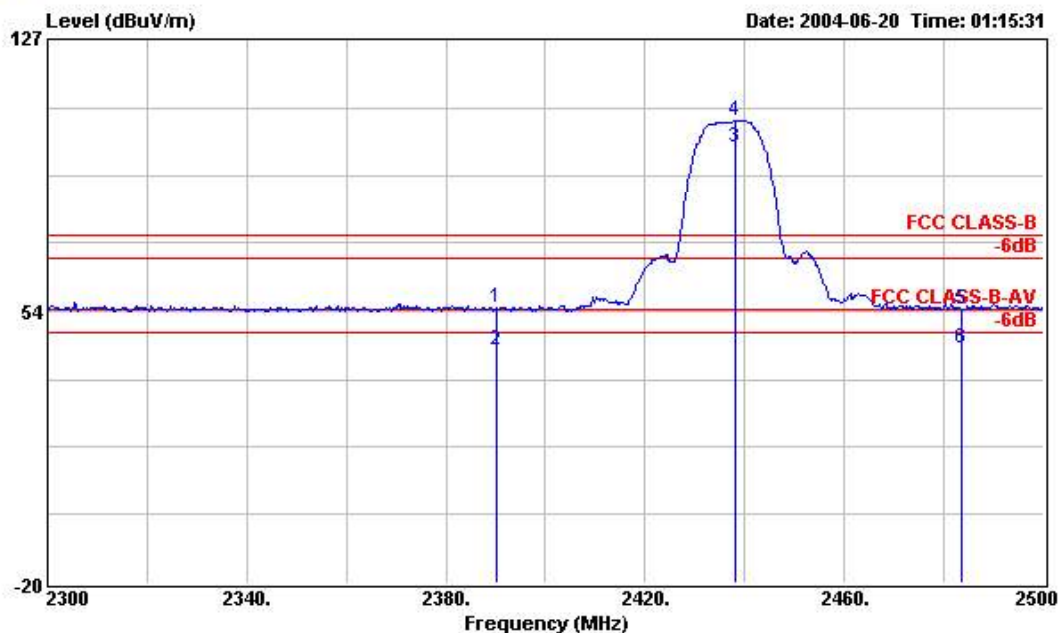


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:06;2437MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 9750.000 | 47.98  | -26.02     | 74.00      | 45.45      | 38.57        | 3.70       | 39.74         | Peak    | ---     | ---       |
| 2 | 9750.000 | 42.45  | -11.55     | 54.00      | 39.92      | 38.57        | 3.70       | 39.74         | Average | 100     | 166       |

Mark:

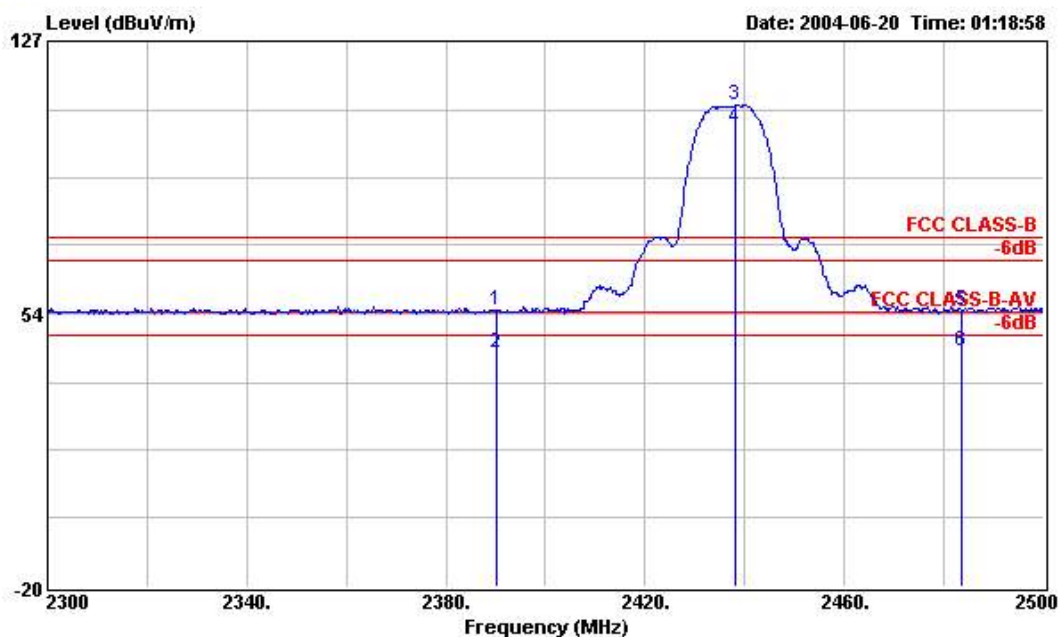
Frequency from 9750MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:06;2437MHz

|     | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|-----|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|     | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1   | 2390.000 | 54.23  | -19.77     | 74.00      | 24.37      | 28.14        | 1.72       | 0.00          | Peak    | ---     | ---       |
| 2   | 2390.000 | 42.99  | -11.01     | 54.00      | 13.13      | 28.14        | 1.72       | 0.00          | Average | 100     | 265       |
| 3 X | 2438.200 | 97.71  |            |            | 67.68      | 28.27        | 1.76       | 0.00          | Average | 100     | 265       |
| 4 X | 2438.200 | 105.20 |            |            | 75.17      | 28.27        | 1.76       | 0.00          | Peak    | ---     | ---       |
| 5   | 2483.500 | 54.19  | -19.81     | 74.00      | 24.01      | 28.39        | 1.79       | 0.00          | Peak    | ---     | ---       |
| 6   | 2483.500 | 43.26  | -10.74     | 54.00      | 13.08      | 28.39        | 1.79       | 0.00          | Average | 100     | 265       |

Remark: The "X" represent a fundamental frequency.



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:06;2437MHz

|     | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamplifier Factor | Remark  | Ant Pos | Table Pos |
|-----|----------|--------|------------|------------|------------|--------------|------------|---------------------|---------|---------|-----------|
|     | MHz      | dBuV/m |            | dBuV/m     | dBuV       | dB           | dB         | dB                  |         | cm      | deg       |
| 1   | 2390.000 | 54.51  | -19.49     | 74.00      | 24.65      | 28.14        | 1.72       | 0.00                | Peak    | ---     | ---       |
| 2   | 2390.000 | 43.11  | -10.89     | 54.00      | 13.25      | 28.14        | 1.72       | 0.00                | Average | 100     | 166       |
| 3 X | 2438.200 | 110.03 |            |            | 80.00      | 28.27        | 1.76       | 0.00                | Peak    | ---     | ---       |
| 4 X | 2438.200 | 103.76 |            |            | 73.73      | 28.27        | 1.76       | 0.00                | Average | 100     | 166       |
| 5   | 2483.500 | 54.63  | -19.37     | 74.00      | 24.45      | 28.39        | 1.79       | 0.00                | Peak    | ---     | ---       |
| 6   | 2483.500 | 43.64  | -10.36     | 54.00      | 13.46      | 28.39        | 1.79       | 0.00                | Average | 100     | 166       |

Remark: The "X" represent a fundamental frequency.

## ■ Field strength of fundamental and harmonics

| Frequency<br>( MHz ) | Polarity | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Reading<br>( dBuV ) | Preamp<br>Factor<br>(dB) | Limits<br>( dBuV/m ) | Emission<br>( dBuV/m ) | Margin<br>( dB ) | Detect<br>Mode |
|----------------------|----------|-------------------------------|-------------------------|---------------------|--------------------------|----------------------|------------------------|------------------|----------------|
| 2438.200             | H        | 28.27                         | 1.76                    | 75.17               | 0.00                     | -                    | 105.20                 | -                | Peak           |
| 2438.200             | H        | 28.27                         | 1.76                    | 67.68               | 0.00                     | -                    | 97.71                  | -                | AV             |
| 2438.200             | V        | 28.27                         | 1.76                    | 80.00               | 0.00                     | -                    | 110.03                 | -                | Peak           |
| 2438.200             | V        | 28.27                         | 1.76                    | 73.73               | 0.00                     | -                    | 103.76                 | -                | AV             |
| 4876.000             | H        | 33.35                         | 2.52                    | 12.21               | 42.44                    | 74.00                | 48.08                  | -25.92           | Peak           |
| 4876.000             | H        | 33.35                         | 2.52                    | 1.78                | 42.44                    | 54.00                | 37.65                  | -16.35           | AV             |
| 4876.000             | V        | 33.35                         | 2.52                    | 17.47               | 42.44                    | 74.00                | 53.34                  | -20.66           | Peak           |
| 4876.000             | V        | 33.35                         | 2.52                    | 5.04                | 42.44                    | 54.00                | 40.91                  | -13.09           | AV             |
| 9750.000             | V        | 38.57                         | 3.70                    | 5.71                | 39.74                    | 74.00                | 47.98                  | -26.02           | Peak           |
| 9750.000             | V        | 38.57                         | 3.70                    | 0.18                | 39.74                    | 54.00                | 42.45                  | -11.55           | AV             |
| 7236.000             | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 9648.000             | H        | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 12060.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 14472.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 16884.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 19296.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 21708.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 24120.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |

## Remark:

1. The emission emitted by the EUT is too low to be measured except the emission listed above,
2. Reading = Reading on SA-Preamp Factor

Test Engineer :

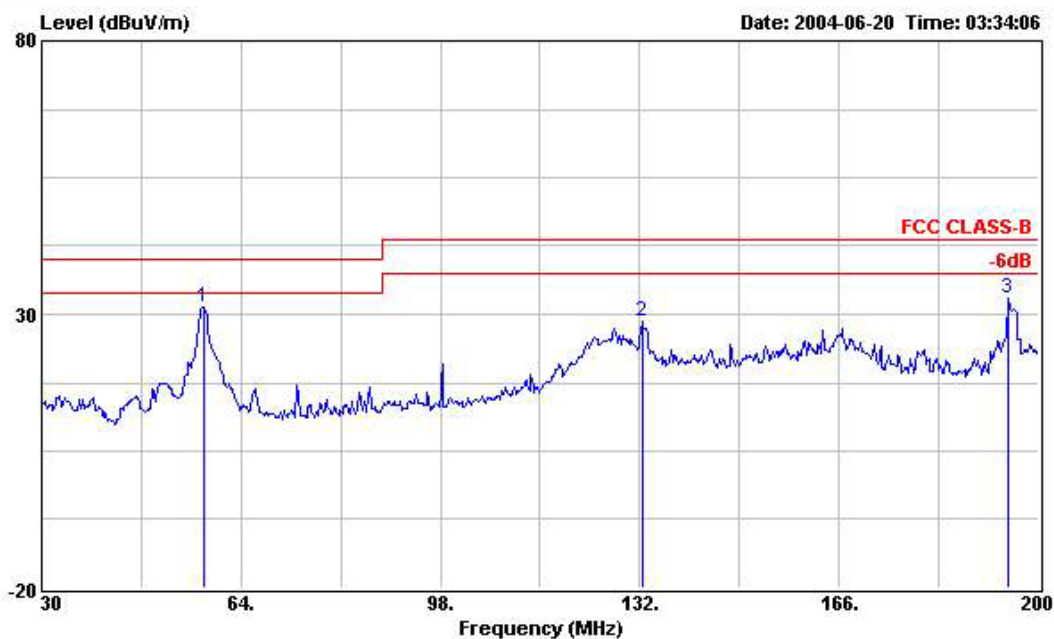


Jay

## 7.4.3 Test Mode: Mode 3 (11b TX CH11)

- Test Distance : 3 m
- Temperature : 26°C
- Relative Humidity :53%
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

■ The test that passed at minimum margin was marked by the frame in the following table.

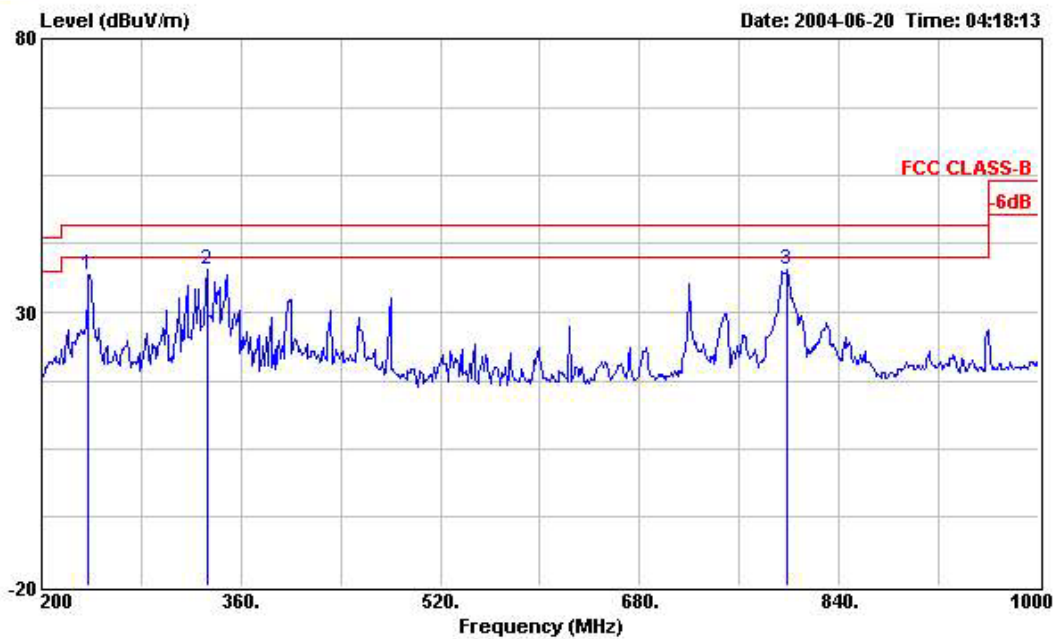


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m BIC-9124--301 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Memo : EW-7317UHG, GWU-07HG  
 : 11b TX\_CH:11;2462MHz

|   | Freq    | Level  | Over   | Limit  | Read  | Probe  | Cable | Preamp |        | Ant | Table |
|---|---------|--------|--------|--------|-------|--------|-------|--------|--------|-----|-------|
|   | MHz     | dBuV/m | Limit  | Line   | Level | Factor | Loss  | Factor | Remark | Pos | Pos   |
|   | MHz     | dBuV/m | dB     | dBuV/m | dBuV  | dB     | dB    | dB     |        | cm  | deg   |
| 1 | 57.540  | 31.44  | -8.56  | 40.00  | 48.70 | 10.39  | 0.33  | 27.98  | Peak   | --- | ---   |
| 2 | 132.340 | 28.68  | -14.82 | 43.50  | 44.51 | 11.45  | 0.55  | 27.83  | Peak   | --- | ---   |
| 3 | 194.900 | 33.01  | -10.49 | 43.50  | 45.23 | 14.68  | 0.81  | 27.71  | Peak   | --- | ---   |

# FCC TEST REPORT

Report No. :F461101

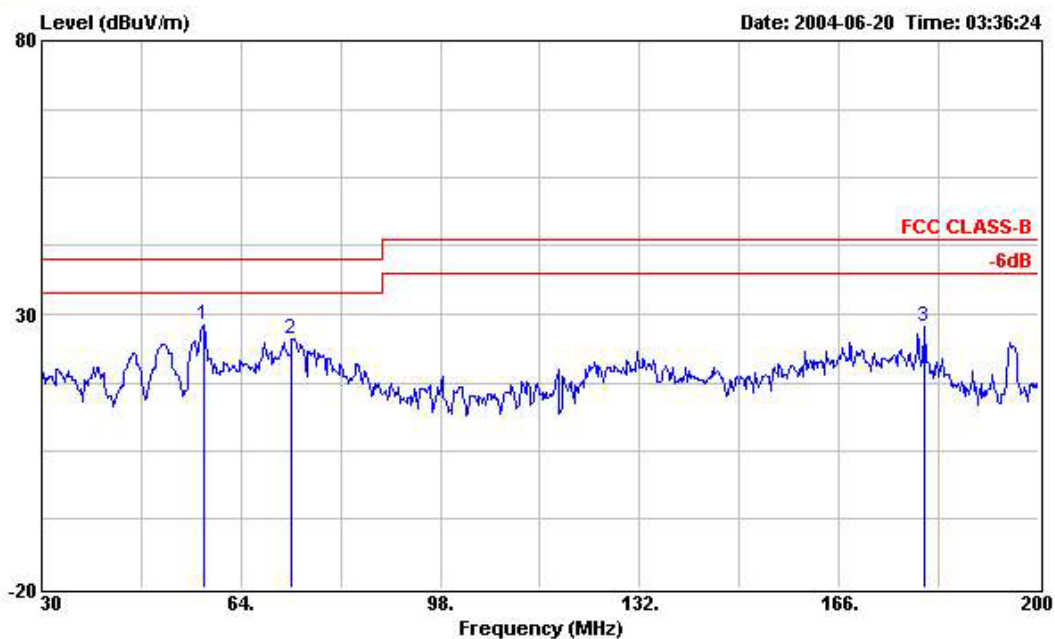


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m LOG-9111-221 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Memo : EW-7317UHG, GWU-07HG  
 : 11b TX\_CH:11;2462MHz

|   | Freq    | Level  | Over  | Limit  | Read  | Probe  | Cable | Preamp |        | Ant | Table |
|---|---------|--------|-------|--------|-------|--------|-------|--------|--------|-----|-------|
|   | MHz     | dBuV/m | Limit | Line   | Level | Factor | Loss  | Factor | Remark | Pos | Pos   |
|   | MHz     | dBuV/m | dB    | dBuV/m | dBuV  | dB     | dB    | dB     |        | cm  | deg   |
| 1 | 237.600 | 36.93  | -9.07 | 46.00  | 50.52 | 13.00  | 0.96  | 27.55  | Peak   | --- | ---   |
| 2 | 332.800 | 37.89  | -8.11 | 46.00  | 49.27 | 14.97  | 1.11  | 27.46  | Peak   | --- | ---   |
| 3 | 797.600 | 37.69  | -8.31 | 46.00  | 44.43 | 20.36  | 1.70  | 28.80  | Peak   | --- | ---   |

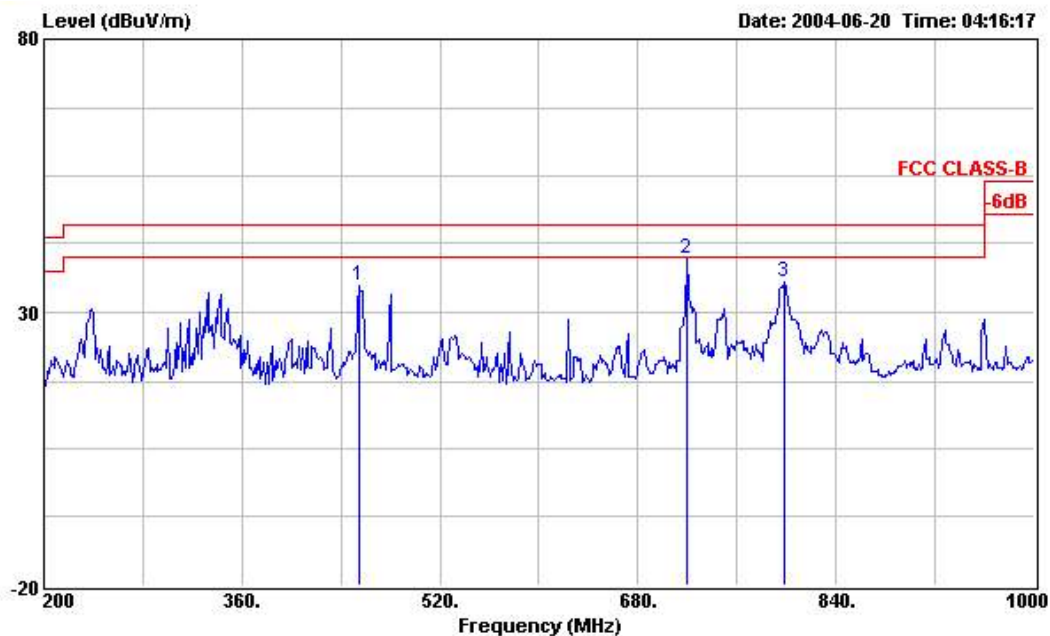
# FCC TEST REPORT

Report No. :F461101



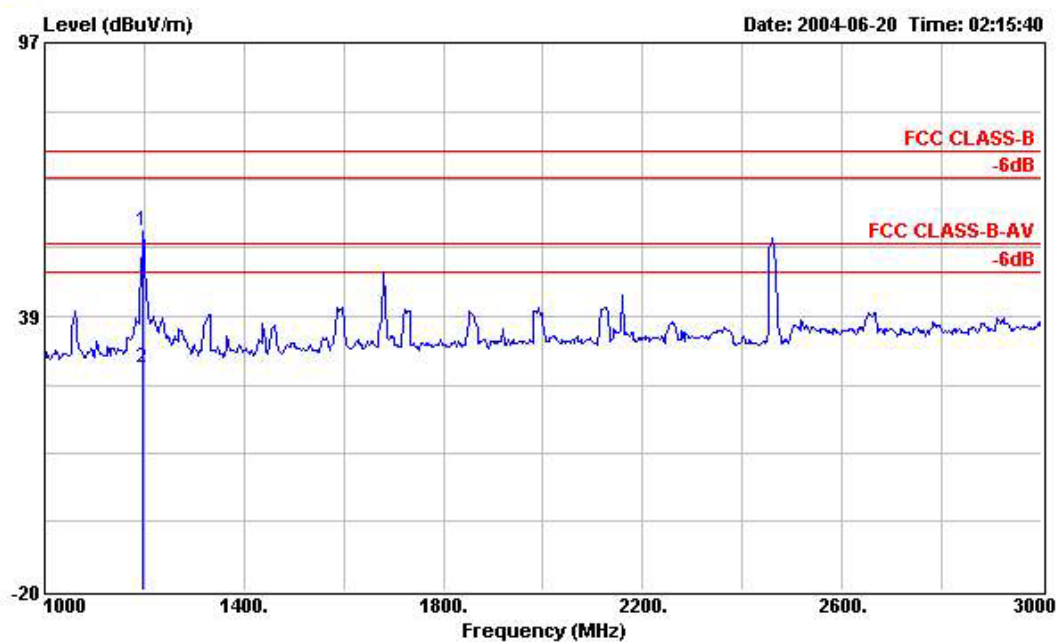
Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m BIC-9124--301 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Memo : EW-7317UHG, GWU-07HG  
 : 11b TX\_CH:11;2462MHz

|   | Freq    | Level  | Over<br>Limit | Limit<br>Line | Read<br>Level | Probe<br>Factor | Cable<br>Loss | Preamp<br>Factor | Remark | Ant<br>Pos | Table<br>Pos |
|---|---------|--------|---------------|---------------|---------------|-----------------|---------------|------------------|--------|------------|--------------|
|   | MHz     | dBuV/m | dB            | dBuV/m        | dBuV          | dB              | dB            | dB               |        | cm         | deg          |
| 1 | 57.540  | 28.16  | -11.84        | 40.00         | 45.42         | 10.39           | 0.33          | 27.98            | Peak   | ---        | ---          |
| 2 | 72.670  | 25.30  | -14.70        | 40.00         | 43.84         | 9.01            | 0.40          | 27.95            | Peak   | ---        | ---          |
| 3 | 180.620 | 27.65  | -15.85        | 43.50         | 40.98         | 13.61           | 0.80          | 27.74            | Peak   | ---        | ---          |



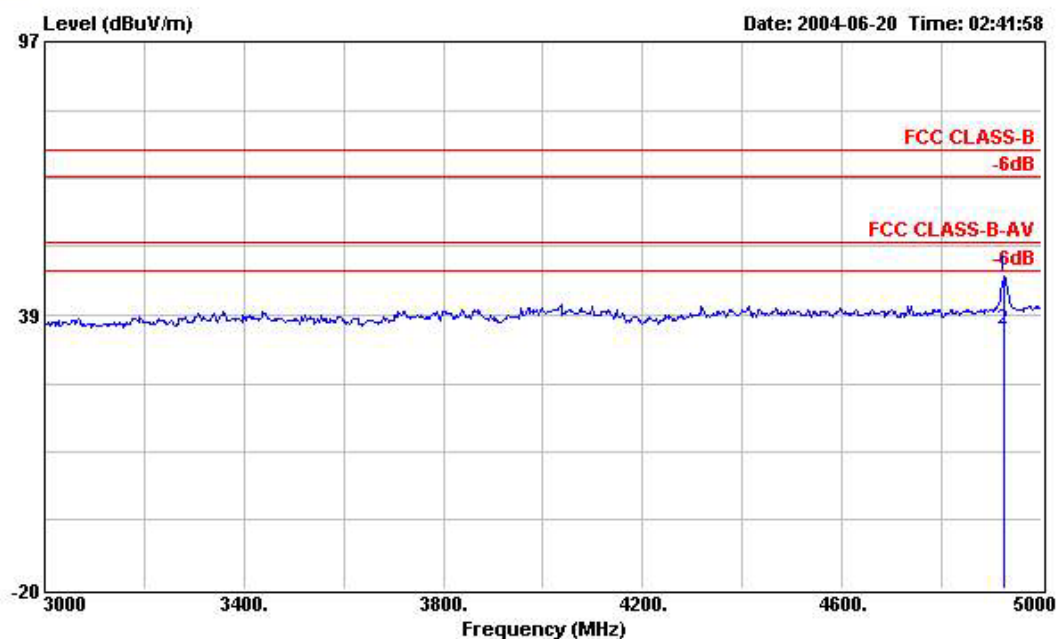
Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m LOG-9111-221 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Memo : EW-7317UHG, GWU-07HG  
 : 11b TX\_CH:11;2462MHz

|   | Freq    | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
|   | MHz     | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |        | cm      | deg       |
| 1 | 454.400 | 34.86  | -11.14     | 46.00      | 45.20      | 16.62        | 1.33       | 28.29         | Peak   | ---     | ---       |
| 2 | 720.000 | 39.86  | -6.14      | 46.00      | 47.18      | 19.88        | 1.52       | 28.72         | Peak   | ---     | ---       |
| 3 | 797.600 | 35.41  | -10.59     | 46.00      | 42.15      | 20.36        | 1.70       | 28.80         | Peak   | ---     | ---       |



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:11;2462MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 1198.000 | 56.75  | -17.25     | 74.00      | 71.46      | 24.38        | 1.22       | 40.31         | Peak    | ---     | ---       |
| 2 | 1198.000 | 27.45  | -26.55     | 54.00      | 42.16      | 24.38        | 1.22       | 40.31         | Average | 100     | 106       |

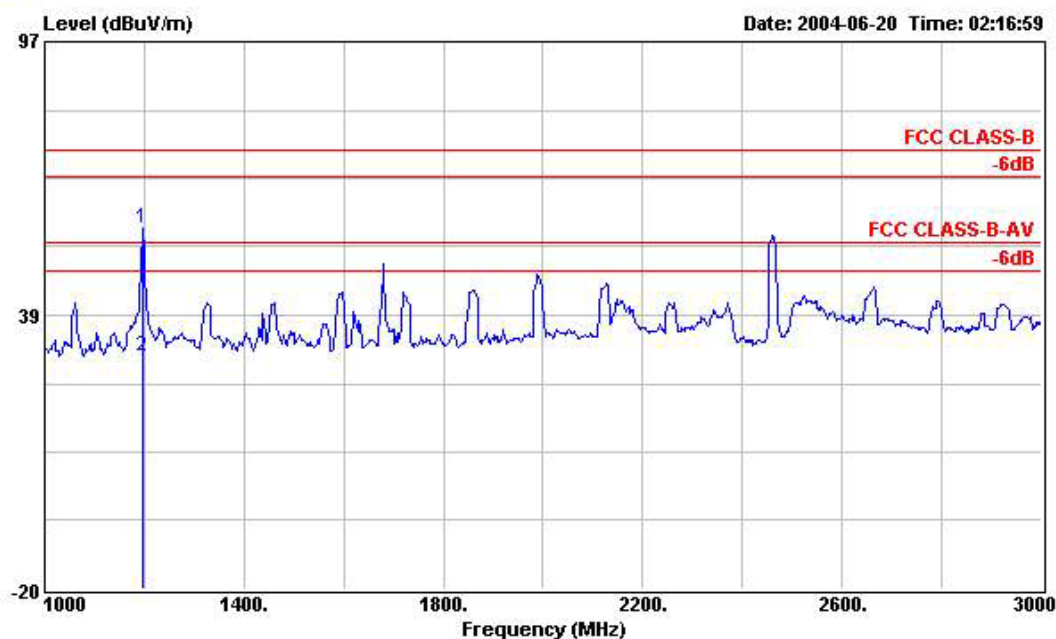


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:11;2462MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 4926.000 | 46.87  | -27.13     | 74.00      | 53.45      | 33.46        | 2.47       | 42.51         | Peak    | ---     | ---       |
| 2 | 4926.000 | 35.45  | -18.55     | 54.00      | 42.03      | 33.46        | 2.47       | 42.51         | Average | 100     | 80        |

Mark:

Frequency from 4926MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.

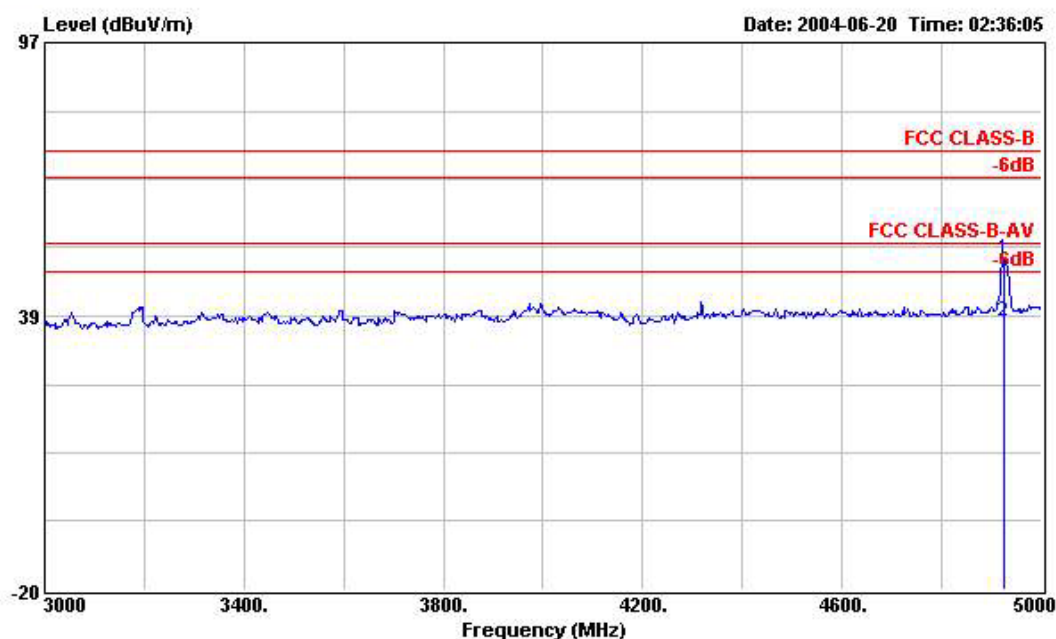


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:11;2462MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 1198.000 | 57.02  | -16.98     | 74.00      | 71.73      | 24.38        | 1.22       | 40.31         | Peak    | ---     | ---       |
| 2 | 1198.000 | 29.72  | -24.28     | 54.00      | 44.43      | 24.38        | 1.22       | 40.31         | Average | 100     | 200       |

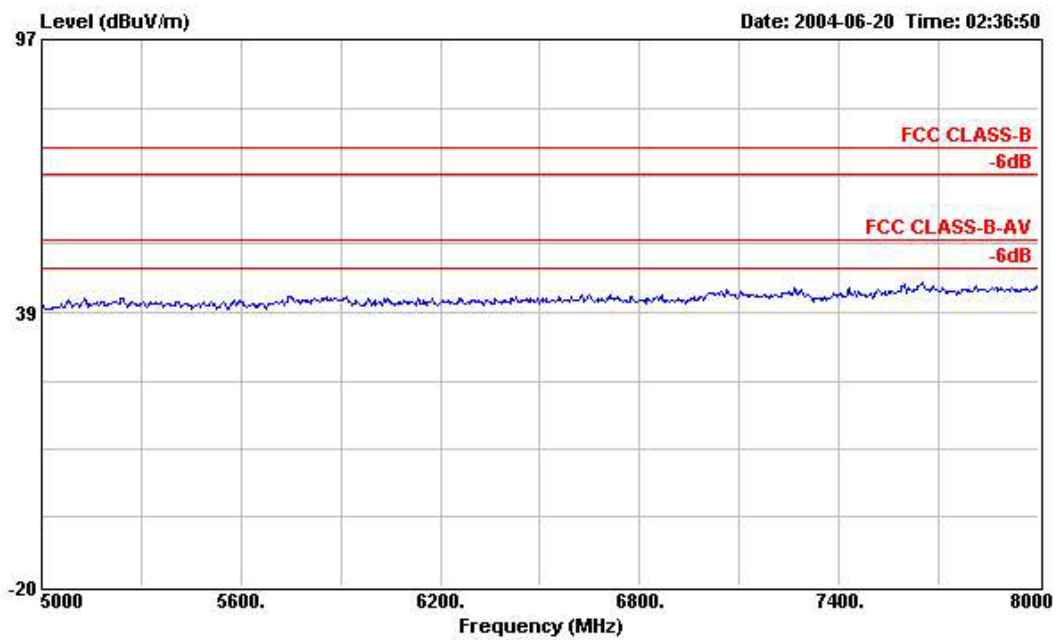
# FCC TEST REPORT

Report No. :F461101



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:11;2462MHz

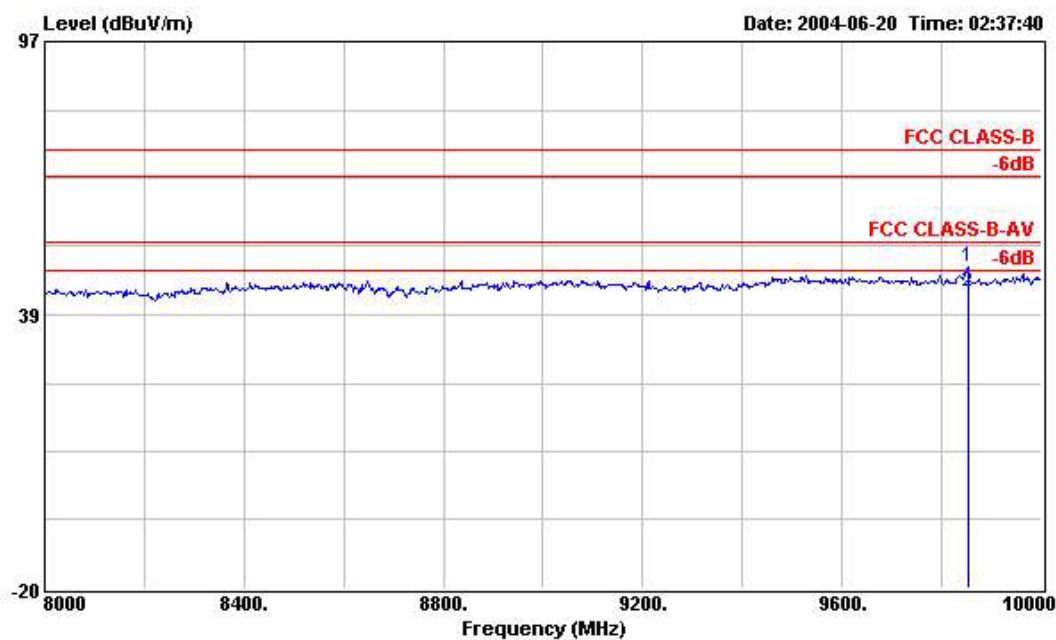
|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 4926.000 | 50.67  | -23.33     | 74.00      | 57.25      | 33.46        | 2.47       | 42.51         | Peak    | ---     | ---       |
| 2 | 4926.000 | 37.25  | -16.75     | 54.00      | 43.83      | 33.46        | 2.47       | 42.51         | Average | 100     | 221       |



Site : 03CH03-HY  
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
EUT : EW-7317UHG, GWU-07HG  
Power : 120Vac/60Hz  
Model : EW-7317UHG, GWU-07HG  
Memo : 11b TX\_CH:11;2462MHz

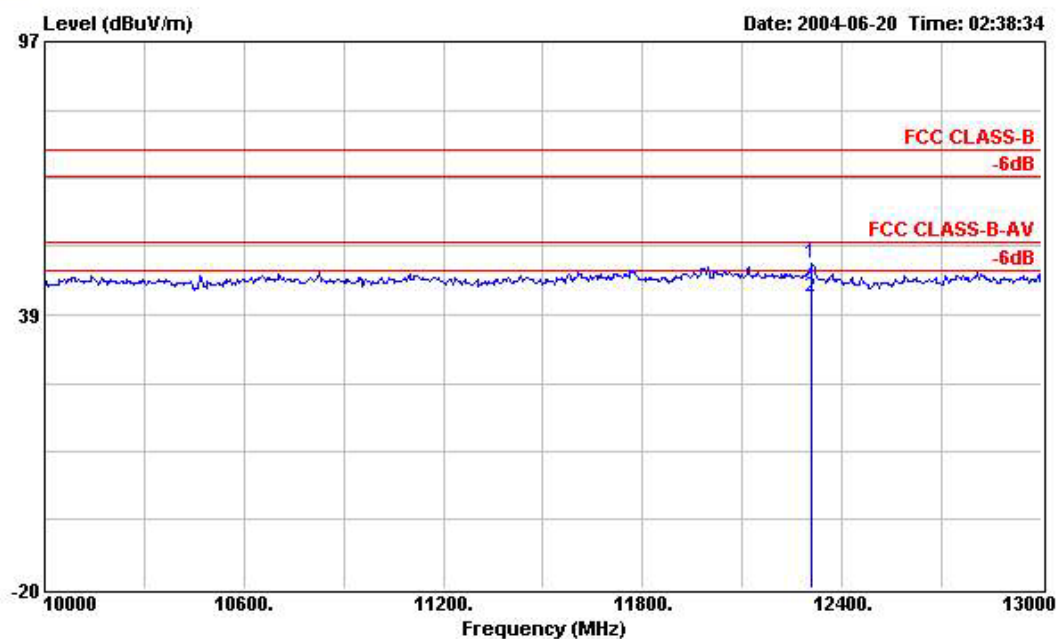
# FCC TEST REPORT

Report No. :F461101



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:11;2462MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 9852.000 | 48.62  | -25.38     | 74.00      | 45.61      | 38.71        | 3.94       | 39.64         | Peak    | ---     | ---       |
| 2 | 9852.000 | 43.60  | -10.40     | 54.00      | 40.59      | 38.71        | 3.94       | 39.64         | Average | 100     | 165       |

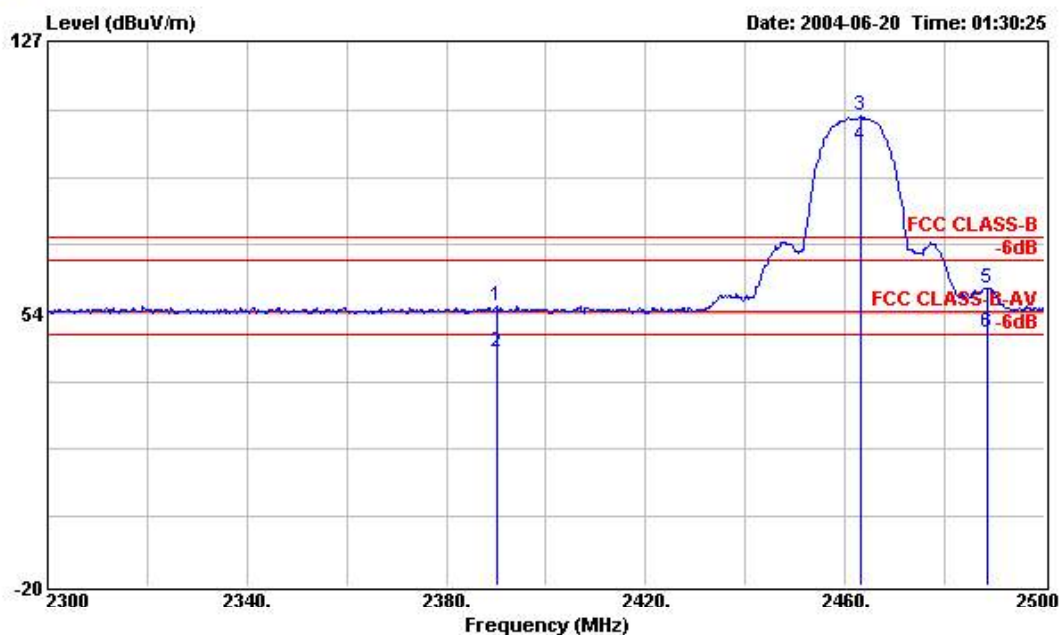


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:11;2462MHz

|   | Freq      | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|-----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz       | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 12310.000 | 49.64  | -24.36     | 74.00      | 46.41      | 39.04        | 4.56       | 40.37         | Peak    | ---     | ---       |
| 2 | 12310.000 | 42.41  | -11.59     | 54.00      | 39.18      | 39.04        | 4.56       | 40.37         | Average | 100     | 150       |

Mark:

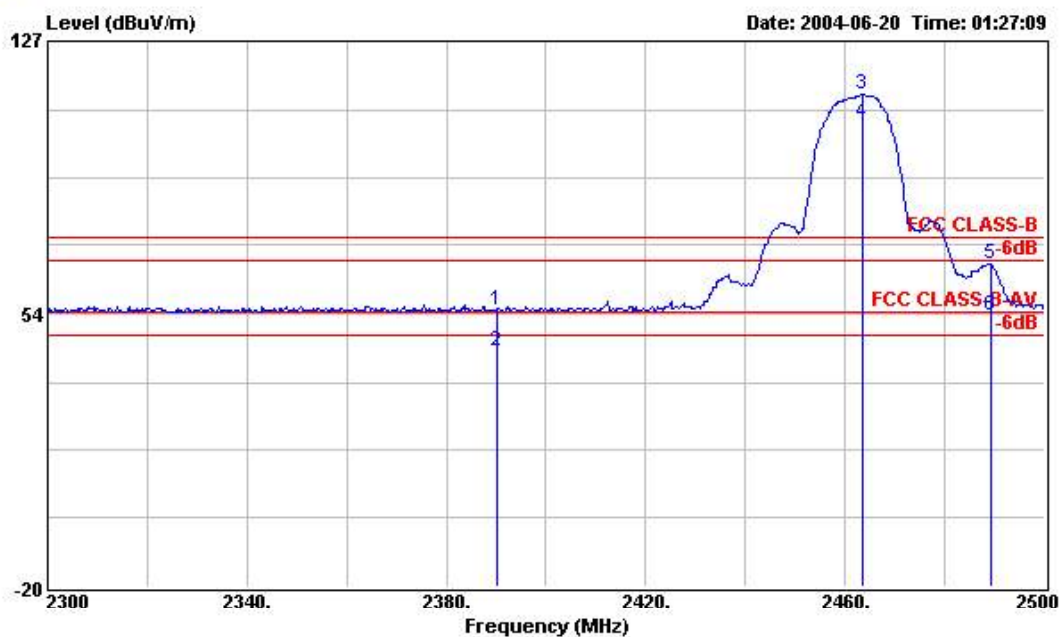
Frequency from 12310MHz to 25000MHz, the emission emitted by the EUT is too low to be measured.



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:11;2462MHz

|     | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|-----|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|     | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1   | 2390.000 | 55.26  | -18.74     | 74.00      | 25.40      | 28.14        | 1.72       | 0.00          | Peak    | ---     | ---       |
| 2   | 2390.000 | 43.00  | -11.00     | 54.00      | 13.14      | 28.14        | 1.72       | 0.00          | Average | 100     | 264       |
| 3 X | 2463.000 | 106.73 |            |            | 76.60      | 28.34        | 1.79       | 0.00          | Peak    | ---     | ---       |
| 4 X | 2463.000 | 99.03  |            |            | 68.90      | 28.34        | 1.79       | 0.00          | Average | 100     | 264       |
| 5   | 2488.600 | 60.30  | -13.70     | 74.00      | 30.11      | 28.40        | 1.79       | 0.00          | Peak    | ---     | ---       |
| 6 ! | 2488.600 | 48.41  | -5.59      | 54.00      | 18.22      | 28.40        | 1.79       | 0.00          | Average | 100     | 264       |

Remark: The "X" represent a fundamental frequency.



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11b TX\_CH:11;2462MHz

|     | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|-----|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|     | MHz      | dBuV/m |            | dB         | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1   | 2390.000 | 54.44  | -19.56     | 74.00      | 24.58      | 28.14        | 1.72       | 0.00          | Peak    | ---     | ---       |
| 2   | 2390.000 | 43.25  | -10.75     | 54.00      | 13.39      | 28.14        | 1.72       | 0.00          | Average | 100     | 158       |
| 3 X | 2463.600 | 112.73 | -- --      | -- --      | 82.60      | 28.34        | 1.79       | 0.00          | Peak    | ---     | ---       |
| 4 X | 2463.600 | 104.81 |            |            | 74.68      | 28.34        | 1.79       | 0.00          | Average | 100     | 158       |
| 5   | 2489.400 | 66.78  | -7.22      | 74.00      | 36.59      | 28.40        | 1.79       | 0.00          | Peak    | ---     | ---       |
| 6 ! | 2489.400 | 53.12  | -0.88      | 54.00      | 22.93      | 28.40        | 1.79       | 0.00          | Average | 100     | 158       |

Remark: The "X" represent a fundamental frequency.

## ■ Field strength of fundamental and harmonics

| Frequency<br>( MHz ) | Polarity | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Reading<br>( dBuV ) | Preamp<br>Factor<br>(dB) | Limits<br>( dBuV/m ) | Emission<br>( dBuV/m ) | Margin<br>( dB ) | Detect<br>Mode |
|----------------------|----------|-------------------------------|-------------------------|---------------------|--------------------------|----------------------|------------------------|------------------|----------------|
| 2463.000             | H        | 28.34                         | 1.79                    | 76.60               | 0.00                     | -                    | 106.73                 | -                | Peak           |
| 2463.000             | H        | 28.34                         | 1.79                    | 68.90               | 0.00                     | -                    | 99.03                  | -                | AV             |
| 2463.600             | V        | 28.34                         | 1.79                    | 82.60               | 0.00                     | -                    | 112.73                 | -                | Peak           |
| 2463.600             | V        | 28.34                         | 1.79                    | 74.68               | 0.00                     | -                    | 104.81                 | -                | AV             |
| 4926.000             | H        | 33.46                         | 2.47                    | 10.94               | 42.51                    | 74.00                | 46.87                  | -27.13           | Peak           |
| 4926.000             | H        | 33.46                         | 2.47                    | -0.48               | 42.51                    | 54.00                | 35.45                  | -18.55           | AV             |
| 4926.000             | V        | 33.46                         | 2.47                    | 14.74               | 42.51                    | 74.00                | 50.67                  | -23.33           | Peak           |
| 4926.000             | V        | 33.46                         | 2.47                    | 1.32                | 42.51                    | 54.00                | 37.25                  | -16.75           | AV             |
| 9852.000             | V        | 38.71                         | 3.94                    | 5.97                | 39.64                    | 74.00                | 48.62                  | -25.38           | Peak           |
| 9852.000             | V        | 38.71                         | 3.94                    | 0.95                | 39.64                    | 54.00                | 43.60                  | -10.40           | AV             |
| 12310.000            | V        | 39.04                         | 4.56                    | 6.04                | 40.37                    | 74.00                | 49.64                  | -24.36           | Peak           |
| 12310.000            | V        | 39.04                         | 4.56                    | -1.19               | 40.37                    | 54.00                | 42.41                  | -11.59           | AV             |
| 7236.000             | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 9648.000             | H        | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 12060.000            | H        | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 14472.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 16884.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 19296.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 21708.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |
| 24120.000            | V/H      | -                             | -                       | -                   | -                        | -                    | -                      | -                | AV/Peak        |

## Remark:

1. The emission emitted by the EUT is too low to be measured except the emission listed above,
2. Reading = Reading on SA-Preamp Factor

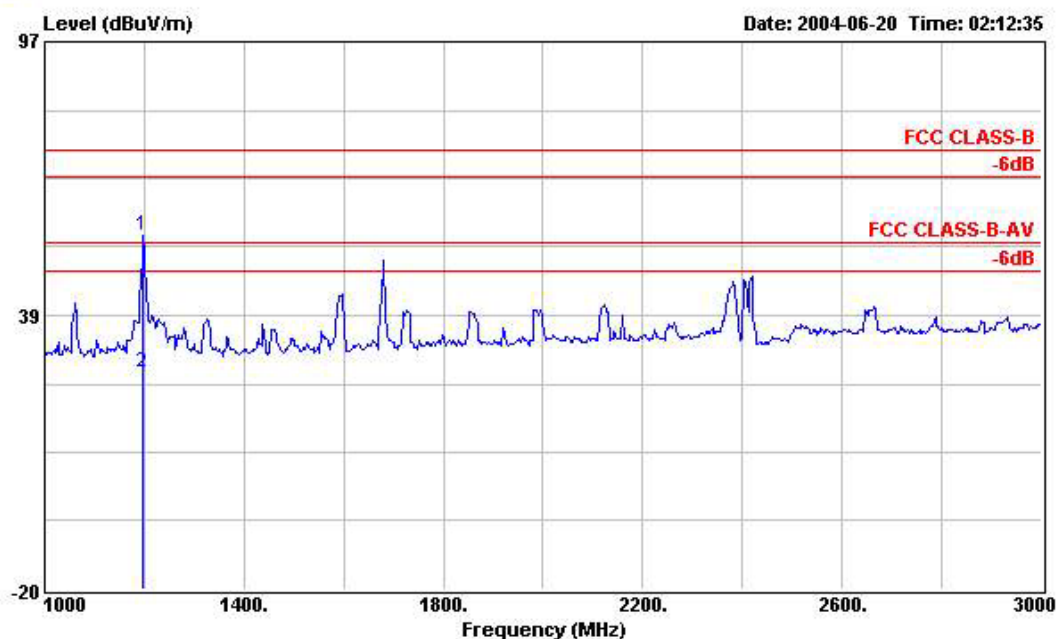
Test Engineer : 

Jay

## 7.4.4 Test Mode: Mode 4 (11g TX CH01)

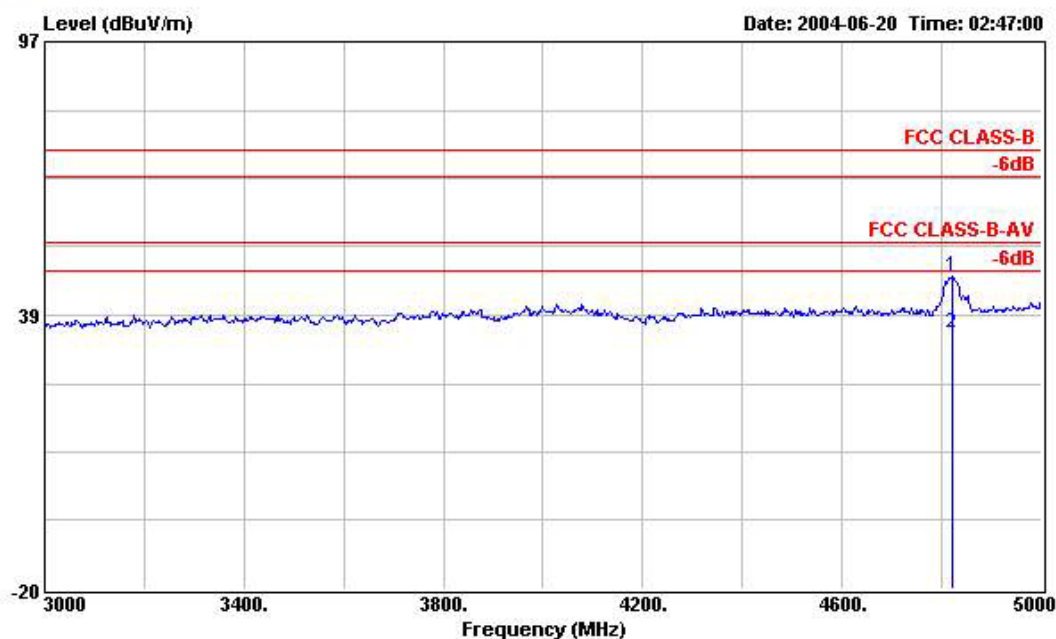
- Test Distance : 3 m
- Temperature : 26°C
- Relative Humidity :53%
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

■ The test that passed at minimum margin was marked by the frame in the following table.



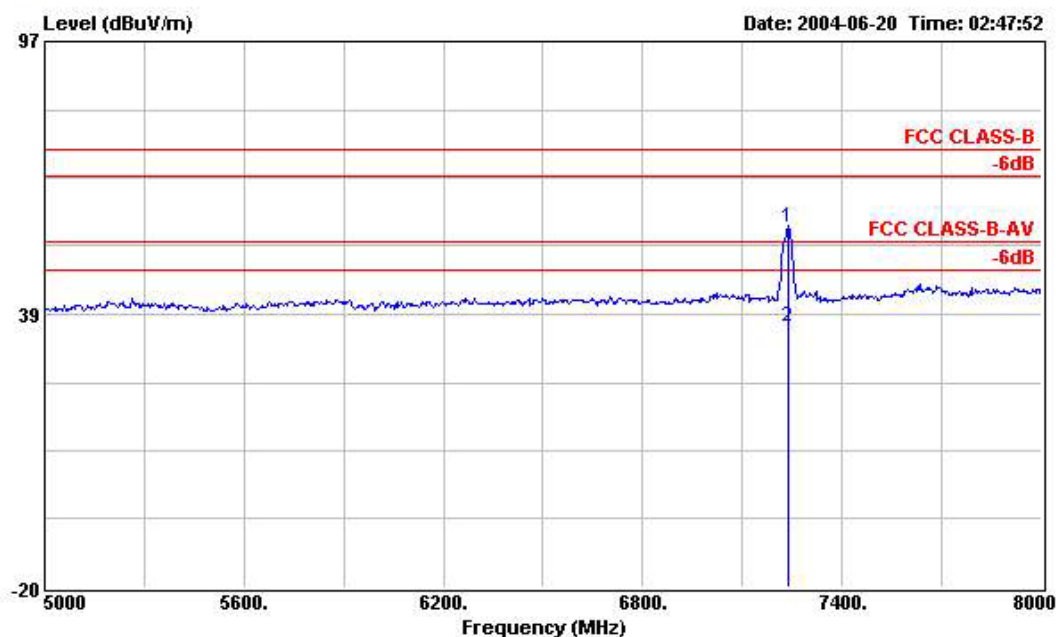
Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11g TX\_CH:01;2412MHz

|   | Freq     | Level  | Over   | Limit  | Read  | Probe  | Cable | Preamp |         | Ant | Table |
|---|----------|--------|--------|--------|-------|--------|-------|--------|---------|-----|-------|
|   | MHz      | dBuV/m | Limit  | Line   | Level | Factor | Loss  | Factor | Remark  | Pos | Pos   |
|   |          |        | dB     | dBuV/m | dBuV  | dB     | dB    | dB     |         | cm  | deg   |
| 1 | 1198.000 | 55.65  | -18.35 | 74.00  | 70.36 | 24.38  | 1.22  | 40.31  | Peak    | --- | ---   |
| 2 | 1198.000 | 26.35  | -27.65 | 54.00  | 41.06 | 24.38  | 1.22  | 40.31  | Average | 100 | 106   |



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11g TX\_CH:01;2412MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 4822.000 | 46.93  | -27.07     | 74.00      | 53.60      | 33.23        | 2.47       | 42.37         | Peak    | ---     | ---       |
| 2 | 4822.000 | 34.60  | -19.40     | 54.00      | 41.27      | 33.23        | 2.47       | 42.37         | Average | 100     | 344       |

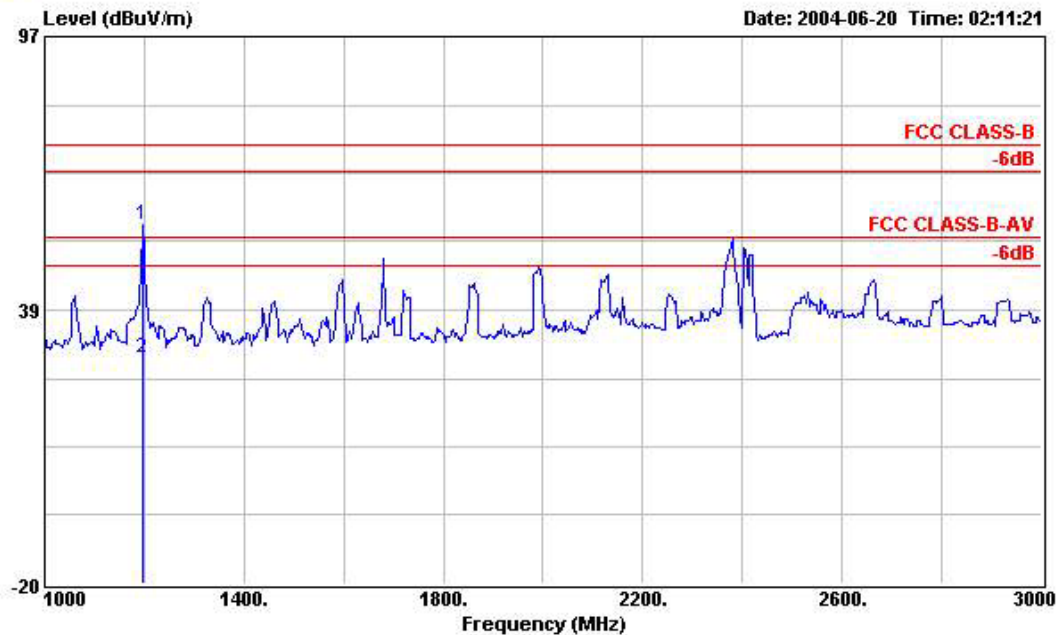


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11g TX\_CH:01;2412MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 7238.000 | 57.30  | -16.70     | 74.00      | 60.98      | 36.09        | 2.93       | 42.70         | Peak    | ---     | ---       |
| 2 | 7238.000 | 35.98  | -18.02     | 54.00      | 39.66      | 36.09        | 2.93       | 42.70         | Average | 100     | 205       |

Mark:

Frequency from 7238MHz to 25000MHz, the emission emitted by the EUT is too low to be measured

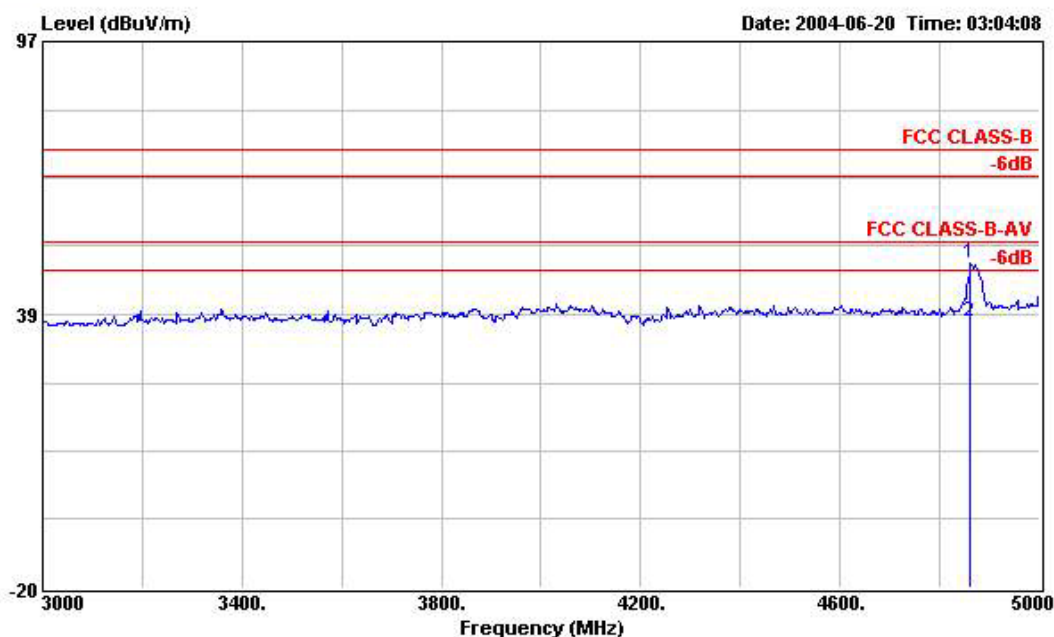


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11g TX\_CH:01;2412MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 1198.000 | 56.67  | -17.33     | 74.00      | 71.38      | 24.38        | 1.22       | 40.31         | Peak    | ---     | ---       |
| 2 | 1198.000 | 28.37  | -25.63     | 54.00      | 43.08      | 24.38        | 1.22       | 40.31         | Average | 100     | 195       |

# FCC TEST REPORT

Report No. :F461101

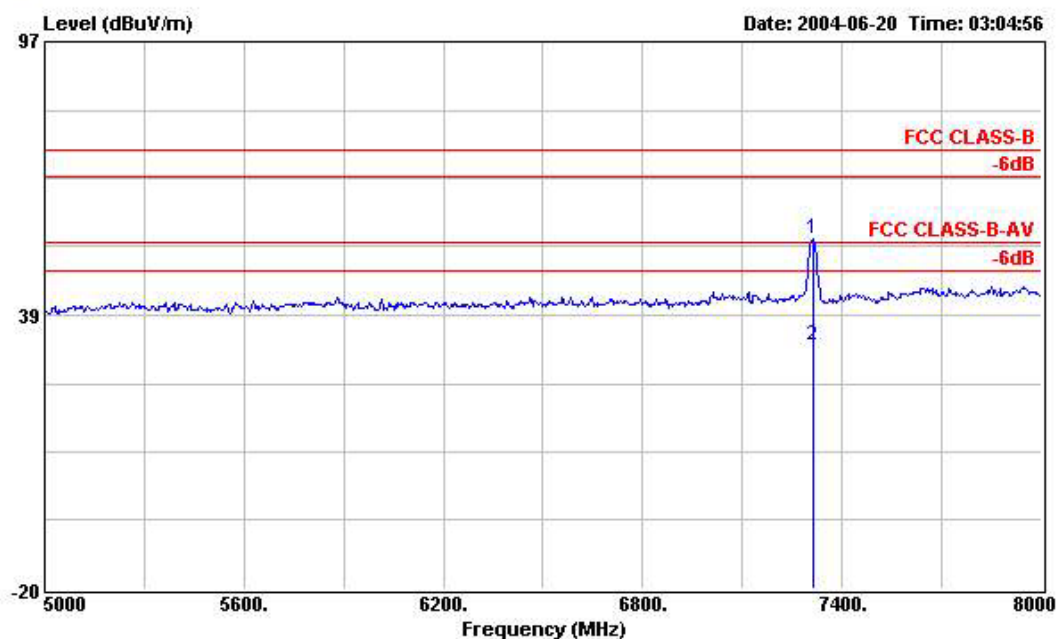


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11g TX\_CH:06;2437MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 4862.000 | 49.57  | -24.43     | 74.00      | 56.14      | 33.32        | 2.53       | 42.42         | Peak    | ---     | ---       |
| 2 | 4862.000 | 37.00  | -17.00     | 54.00      | 43.57      | 33.32        | 2.53       | 42.42         | Average | 100     | 344       |

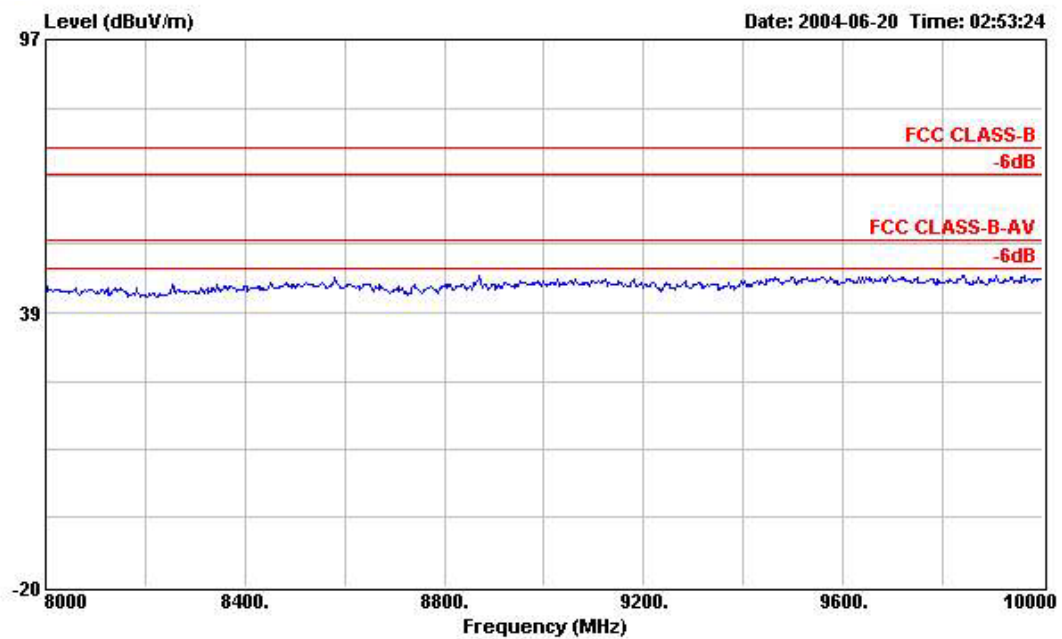
# FCC TEST REPORT

Report No. :F461101

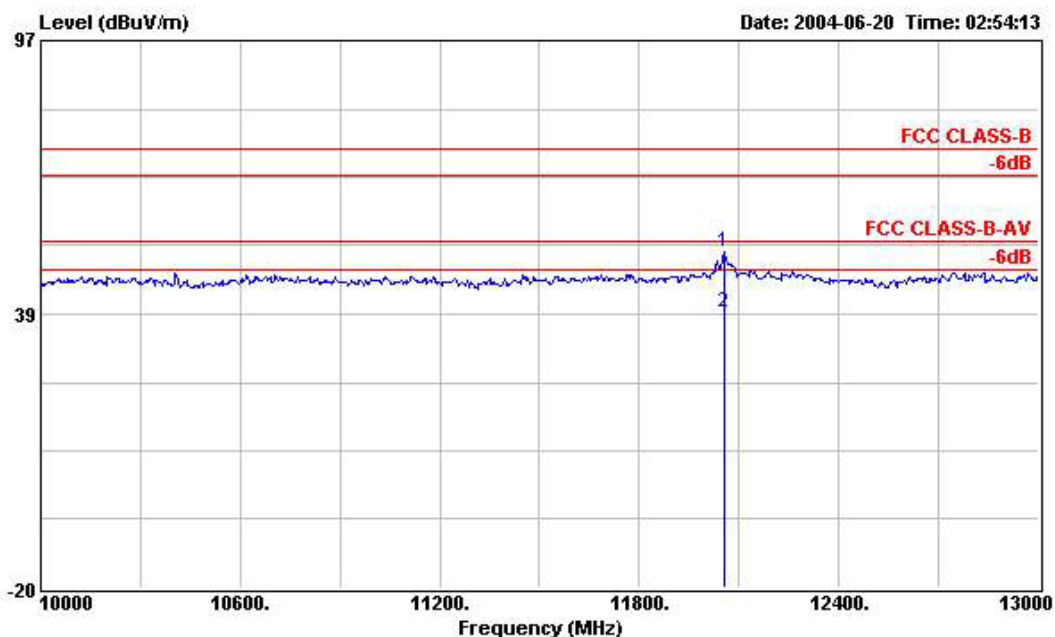


Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 HORIZONTAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11g TX\_CH:06,2437MHz

|   | Freq     | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark  | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|---------|---------|-----------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB            |         | cm      | deg       |
| 1 | 7313.000 | 54.76  | -19.24     | 74.00      | 57.99      | 36.28        | 3.10       | 42.61         | Peak    | ---     | ---       |
| 2 | 7313.000 | 32.00  | -22.00     | 54.00      | 35.23      | 36.28        | 3.10       | 42.61         | Average | 100     | 205       |



Site : 03CH03-HY  
Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
EUT : EW-7317UHG, GWU-07HG  
Power : 120Vac/60Hz  
Model : EW-7317UHG, GWU-07HG  
Memo : 11g TX\_CH:01;2412MHz



Site : 03CH03-HY  
 Condition : FCC CLASS-B 3m HORN-ANT-6821 VERTICAL  
 EUT : EW-7317UHG, GWU-07HG  
 Power : 120Vac/60Hz  
 Model : EW-7317UHG, GWU-07HG  
 Memo : 11g TX\_CH:01;2412MHz

|   | Freq      | Level  | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamplifier | Remark  | Ant Pos | Table Pos |
|---|-----------|--------|------------|------------|------------|--------------|------------|--------------|---------|---------|-----------|
|   | MHz       | dBuV/m | dB         | dBuV/m     | dBuV       | dB           | dB         | dB           |         | cm      | deg       |
| 1 | 12058.000 | 51.85  | -22.15     | 74.00      | 47.98      | 39.25        | 4.38       | 39.76        | Peak    | ---     | ---       |
| 2 | 12058.000 | 38.99  | -15.01     | 54.00      | 35.12      | 39.25        | 4.38       | 39.76        | Average | 100     | 133       |

Mark:

Frequency from 12058MHz to 25000MHz, the emission emitted by the EUT is too low to be measured