



## **Appendix A. Conducted Test Results**

**A1 - DTS Part**

|                |                         |                    |       |    |
|----------------|-------------------------|--------------------|-------|----|
| Test Engineer: | Kai Liao                | Temperature:       | 21~25 | °C |
| Test Date:     | 2016/11/23 ~ 2016/11/24 | Relative Humidity: | 51~54 | %  |

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

| 2.4GHz Band |           |     |     |             |                       |       |              |       |                    |           |
|-------------|-----------|-----|-----|-------------|-----------------------|-------|--------------|-------|--------------------|-----------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | 99% Occupied BW (MHz) |       | 6dB BW (MHz) |       | 6dB BW Limit (MHz) | Pass/Fail |
|             |           |     |     |             | Ant 1                 | Ant 2 | Ant 1        | Ant 2 |                    |           |
| 11b         | 1Mbps     | 2   | 1   | 2412        | 11.90                 | 11.75 | 7.02         | 7.00  | 0.50               | Pass      |
| 11b         | 1Mbps     | 2   | 6   | 2437        | 11.70                 | 11.75 | 6.98         | 6.58  | 0.50               | Pass      |
| 11b         | 1Mbps     | 2   | 11  | 2462        | 11.65                 | 11.50 | 6.52         | 7.02  | 0.50               | Pass      |
| 11g         | 6Mbps     | 2   | 1   | 2412        | 16.65                 | 16.55 | 14.90        | 15.06 | 0.50               | Pass      |
| 11g         | 6Mbps     | 2   | 6   | 2437        | 16.75                 | 16.65 | 15.30        | 15.78 | 0.50               | Pass      |
| 11g         | 6Mbps     | 2   | 11  | 2462        | 16.70                 | 16.75 | 15.80        | 15.80 | 0.50               | Pass      |
| HT20        | MCS0      | 2   | 1   | 2412        | 17.70                 | 17.65 | 15.68        | 15.62 | 0.50               | Pass      |
| HT20        | MCS0      | 2   | 6   | 2437        | 17.70                 | 17.65 | 16.00        | 15.64 | 0.50               | Pass      |
| HT20        | MCS0      | 2   | 11  | 2462        | 17.75                 | 17.85 | 16.78        | 17.56 | 0.50               | Pass      |
| HT40        | MCS0      | 2   | 3   | 2422        | 36.20                 | 36.20 | 31.88        | 31.68 | 0.50               | Pass      |
| HT40        | MCS0      | 2   | 6   | 2437        | 36.10                 | 36.20 | 28.12        | 28.44 | 0.50               | Pass      |
| HT40        | MCS0      | 2   | 9   | 2452        | 36.10                 | 36.20 | 31.28        | 31.72 | 0.50               | Pass      |

**TEST RESULTS DATA**  
**Peak Output Power**

| 2.4GHz Band |           |     |     |             |                            |       |       |                             |       |          |       |                  |       |                        |       |            |
|-------------|-----------|-----|-----|-------------|----------------------------|-------|-------|-----------------------------|-------|----------|-------|------------------|-------|------------------------|-------|------------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | Peak Conducted Power (dBm) |       |       | Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power (dBm) |       | EIRP Power Limit (dBm) |       | Pass /Fail |
|             |           |     |     |             | Ant 1                      | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 | Ant 1            | Ant 2 | Ant 1                  | Ant 2 |            |
| 11b         | 1Mbps     | 2   | 1   | 2412        | 17.40                      | 16.95 | 20.19 | 30.00                       |       | 1.00     |       | 21.19            |       | 36.00                  |       | Pass       |
| 11b         | 1Mbps     | 2   | 6   | 2437        | 20.32                      | 19.92 | 23.13 | 30.00                       |       | 1.00     |       | 24.13            |       | 36.00                  |       | Pass       |
| 11b         | 1Mbps     | 2   | 11  | 2462        | 17.37                      | 16.31 | 19.88 | 30.00                       |       | 1.00     |       | 20.88            |       | 36.00                  |       | Pass       |
| 11g         | 6Mbps     | 2   | 1   | 2412        | 22.69                      | 22.53 | 25.62 | 30.00                       |       | 1.00     |       | 26.62            |       | 36.00                  |       | Pass       |
| 11g         | 6Mbps     | 2   | 6   | 2437        | 21.65                      | 21.45 | 24.56 | 30.00                       |       | 1.00     |       | 25.56            |       | 36.00                  |       | Pass       |
| 11g         | 6Mbps     | 2   | 11  | 2462        | 22.61                      | 21.95 | 25.30 | 30.00                       |       | 1.00     |       | 26.30            |       | 36.00                  |       | Pass       |
| HT20        | MCS0      | 2   | 1   | 2412        | 22.61                      | 22.54 | 25.59 | 30.00                       |       | 1.00     |       | 26.59            |       | 36.00                  |       | Pass       |
| HT20        | MCS0      | 2   | 6   | 2437        | 22.62                      | 21.76 | 25.22 | 30.00                       |       | 1.00     |       | 26.22            |       | 36.00                  |       | Pass       |
| HT20        | MCS0      | 2   | 11  | 2462        | 22.64                      | 21.65 | 25.18 | 30.00                       |       | 1.00     |       | 26.18            |       | 36.00                  |       | Pass       |
| HT40        | MCS0      | 2   | 3   | 2422        | 22.05                      | 22.05 | 25.06 | 30.00                       |       | 1.00     |       | 26.06            |       | 36.00                  |       | Pass       |
| HT40        | MCS0      | 2   | 6   | 2437        | 23.65                      | 22.86 | 26.28 | 30.00                       |       | 1.00     |       | 27.28            |       | 36.00                  |       | Pass       |
| HT40        | MCS0      | 2   | 9   | 2452        | 21.57                      | 20.00 | 23.87 | 30.00                       |       | 1.00     |       | 24.87            |       | 36.00                  |       | Pass       |

Note: Measured power (dBm) has offset with cable loss.

**TEST RESULTS DATA**  
**Average Output Power**

| 2.4GHz Band |           |     |     |             |                  |       |                               |       |       |
|-------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       |
|             |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   |
| 11b         | 1Mbps     | 2   | 1   | 2412        | 0.00             | 0.00  | 14.36                         | 13.95 | 17.17 |
| 11b         | 1Mbps     | 2   | 6   | 2437        | 0.00             | 0.00  | 17.19                         | 16.94 | 20.08 |
| 11b         | 1Mbps     | 2   | 11  | 2462        | 0.00             | 0.00  | 14.23                         | 13.30 | 16.80 |
| 11g         | 6Mbps     | 2   | 1   | 2412        | 0.00             | 0.00  | 12.98                         | 12.31 | 15.67 |
| 11g         | 6Mbps     | 2   | 6   | 2437        | 0.00             | 0.00  | 12.26                         | 11.86 | 15.07 |
| 11g         | 6Mbps     | 2   | 11  | 2462        | 0.00             | 0.00  | 13.33                         | 12.45 | 15.92 |
| HT20        | MCS0      | 2   | 1   | 2412        | 0.00             | 0.00  | 13.71                         | 12.82 | 16.30 |
| HT20        | MCS0      | 2   | 6   | 2437        | 0.00             | 0.00  | 13.05                         | 12.38 | 15.74 |
| HT20        | MCS0      | 2   | 11  | 2462        | 0.00             | 0.00  | 13.25                         | 12.57 | 15.93 |
| HT40        | MCS0      | 2   | 3   | 2422        | 0.00             | 0.00  | 14.03                         | 13.80 | 16.93 |
| HT40        | MCS0      | 2   | 6   | 2437        | 0.00             | 0.00  | 15.84                         | 14.80 | 18.36 |
| HT40        | MCS0      | 2   | 9   | 2452        | 0.00             | 0.00  | 13.15                         | 11.90 | 15.58 |

Note: Measured power (dBm) has offset with cable loss.

**TEST RESULTS DATA**  
**Peak Power Spectral Density**

| 2.4GHz Band |           |     |     |             |                     |        |              |          |       |                           |       |           |
|-------------|-----------|-----|-----|-------------|---------------------|--------|--------------|----------|-------|---------------------------|-------|-----------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | Peak PSD (dBm/3kHz) |        |              | DG (dBi) |       | Peak PSD Limit (dBm/3kHz) |       | Pass/Fail |
|             |           |     |     |             | Ant 1               | Ant 2  | Worse + 3.01 | Ant 1    | Ant 2 | Ant 1                     | Ant 2 |           |
| 11b         | 1Mbps     | 2   | 1   | 2412        | -9.22               | -10.04 | -6.21        | 4.01     |       | 8.00                      |       | Pass      |
| 11b         | 1Mbps     | 2   | 6   | 2437        | -4.99               | -5.88  | -1.98        | 4.01     |       | 8.00                      |       | Pass      |
| 11b         | 1Mbps     | 2   | 11  | 2462        | -9.52               | -8.21  | -5.20        | 4.01     |       | 8.00                      |       | Pass      |
| 11g         | 6Mbps     | 2   | 1   | 2412        | -12.84              | -12.39 | -9.38        | 4.01     |       | 8.00                      |       | Pass      |
| 11g         | 6Mbps     | 2   | 6   | 2437        | -12.17              | -13.08 | -9.16        | 4.01     |       | 8.00                      |       | Pass      |
| 11g         | 6Mbps     | 2   | 11  | 2462        | -10.91              | -12.09 | -7.90        | 4.01     |       | 8.00                      |       | Pass      |
| HT20        | MCS0      | 2   | 1   | 2412        | -11.57              | -11.31 | -8.30        | 4.01     |       | 8.00                      |       | Pass      |
| HT20        | MCS0      | 2   | 6   | 2437        | -12.98              | -12.12 | -9.11        | 4.01     |       | 8.00                      |       | Pass      |
| HT20        | MCS0      | 2   | 11  | 2462        | -11.85              | -13.73 | -8.84        | 4.01     |       | 8.00                      |       | Pass      |
| HT40        | MCS0      | 2   | 3   | 2422        | -14.16              | -14.92 | -11.15       | 4.01     |       | 8.00                      |       | Pass      |
| HT40        | MCS0      | 2   | 6   | 2437        | -10.75              | -11.74 | -7.74        | 4.01     |       | 8.00                      |       | Pass      |
| HT40        | MCS0      | 2   | 9   | 2452        | -15.34              | -13.92 | -10.91       | 4.01     |       | 8.00                      |       | Pass      |

Measured power density (dBm) has offset with cable loss.



## Appendix B. Radiated Spurious Emission

|                 |                                   |                     |         |
|-----------------|-----------------------------------|---------------------|---------|
| Test Engineer : | Peter Chiu, Karl Hou, and Nick Yu | Temperature :       | 22~24°C |
|                 |                                   | Relative Humidity : | 54~58%  |

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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 ) |
|-----------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11b<br>CH 01<br>2412MHz |      | 2377.095             | 55.92               | -18.08                  | 74                          | 53.01                     | 27.03                         | 7.37                    | 31.49                      | 376                  | 255                     | P                       | H               |
|                             |      | 2383.185             | 43.74               | -10.26                  | 54                          | 40.73                     | 27.05                         | 7.45                    | 31.49                      | 376                  | 255                     | A                       | H               |
|                             | *    | 2412                 | 81.24               | -                       | -                           | 78.14                     | 27.14                         | 7.45                    | 31.49                      | 376                  | 255                     | P                       | H               |
|                             | *    | 2412                 | 76.93               | -                       | -                           | 73.83                     | 27.14                         | 7.45                    | 31.49                      | 376                  | 255                     | A                       | H               |
|                             |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |      | 2363.34              | 56                  | -18                     | 74                          | 53.14                     | 26.99                         | 7.37                    | 31.5                       | 380                  | 223                     | P                       | V               |
|                             |      | 2384.025             | 43.76               | -10.24                  | 54                          | 40.75                     | 27.05                         | 7.45                    | 31.49                      | 380                  | 223                     | A                       | V               |
|                             | *    | 2412                 | 78.24               | -                       | -                           | 75.14                     | 27.14                         | 7.45                    | 31.49                      | 380                  | 223                     | P                       | V               |
|                             | *    | 2412                 | 73.97               | -                       | -                           | 70.87                     | 27.14                         | 7.45                    | 31.49                      | 380                  | 223                     | A                       | V               |
|                             |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11b<br>CH 06<br>2437MHz |      | 2388.82              | 55.93               | -18.07                  | 74                          | 52.9                      | 27.07                         | 7.45                    | 31.49                      | 293                  | 248                     | P                       | H               |
|                             |      | 2389.38              | 43.75               | -10.25                  | 54                          | 40.72                     | 27.07                         | 7.45                    | 31.49                      | 293                  | 248                     | A                       | H               |
|                             | *    | 2437                 | 84.31               | -                       | -                           | 81.09                     | 27.21                         | 7.49                    | 31.48                      | 293                  | 248                     | P                       | H               |
|                             | *    | 2437                 | 80.03               | -                       | -                           | 76.81                     | 27.21                         | 7.49                    | 31.48                      | 293                  | 248                     | A                       | H               |
|                             |      | 2498.39              | 56.83               | -17.17                  | 74                          | 53.36                     | 27.4                          | 7.53                    | 31.46                      | 293                  | 248                     | P                       | H               |
|                             |      | 2499.72              | 44.09               | -9.91                   | 54                          | 40.62                     | 27.4                          | 7.53                    | 31.46                      | 293                  | 248                     | A                       | H               |
|                             |      | 2388.26              | 55.8                | -18.2                   | 74                          | 52.78                     | 27.06                         | 7.45                    | 31.49                      | 267                  | 276                     | P                       | V               |
|                             |      | 2388.96              | 43.74               | -10.26                  | 54                          | 40.71                     | 27.07                         | 7.45                    | 31.49                      | 267                  | 276                     | A                       | V               |
|                             | *    | 2437                 | 80.23               | -                       | -                           | 77.01                     | 27.21                         | 7.49                    | 31.48                      | 267                  | 276                     | P                       | V               |
|                             | *    | 2437                 | 75.91               | -                       | -                           | 72.69                     | 27.21                         | 7.49                    | 31.48                      | 267                  | 276                     | A                       | V               |
|                             |      | 2494.33              | 56.01               | -17.99                  | 74                          | 52.56                     | 27.38                         | 7.53                    | 31.46                      | 267                  | 276                     | P                       | V               |
|                             |      | 2498.18              | 44.08               | -9.92                   | 54                          | 40.62                     | 27.39                         | 7.53                    | 31.46                      | 267                  | 276                     | A                       | V               |



|                                      |                                                                                             |         |       |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|-------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11b<br/>CH 11<br/>2462MHz</b> | *                                                                                           | 2462    | 80.57 | -      | -  | 77.22 | 27.29 | 7.53 | 31.47 | 259 | 316 | P | H |
|                                      | *                                                                                           | 2462    | 75.88 | -      | -  | 72.53 | 27.29 | 7.53 | 31.47 | 259 | 316 | A | H |
|                                      |                                                                                             | 2485.48 | 56.26 | -17.74 | 74 | 52.84 | 27.36 | 7.53 | 31.47 | 259 | 316 | P | H |
|                                      |                                                                                             | 2497    | 44.17 | -9.83  | 54 | 40.71 | 27.39 | 7.53 | 31.46 | 259 | 316 | A | H |
|                                      |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | H |
|                                      |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | H |
|                                      | *                                                                                           | 2462    | 80.01 | -      | -  | 76.66 | 27.29 | 7.53 | 31.47 | 360 | 197 | P | V |
|                                      | *                                                                                           | 2462    | 75.82 | -      | -  | 72.47 | 27.29 | 7.53 | 31.47 | 360 | 197 | A | V |
|                                      |                                                                                             | 2486.08 | 56    | -18    | 74 | 52.58 | 27.36 | 7.53 | 31.47 | 360 | 197 | P | V |
|                                      |                                                                                             | 2499.88 | 44.2  | -9.8   | 54 | 40.73 | 27.4  | 7.53 | 31.46 | 360 | 197 | A | V |
|                                      |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | V |
|                                      |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | V |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |       |        |    |       |       |      |       |     |     |   |   |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Harmonic @ 3m)

| WIFI<br>Ant.<br>1+2         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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 ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11b<br>CH 01<br>2412MHz |                                                                                             | 4824                 | 41.64               | -32.36                  | 74                          | 56.86                     | 32.18                         | 10.74                   | 58.14                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             | 4824                 | 43.01               | -30.99                  | 74                          | 58.23                     | 32.18                         | 10.74                   | 58.14                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11b<br>CH 06<br>2437MHz |                                                                                             | 4874                 | 43.91               | -30.09                  | 74                          | 58.85                     | 32.27                         | 10.89                   | 58.1                       | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 7311                 | 43.39               | -30.61                  | 74                          | 51.33                     | 36.97                         | 14.18                   | 59.09                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             | 4874                 | 44.98               | -29.02                  | 74                          | 59.92                     | 32.27                         | 10.89                   | 58.1                       | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 7311                 | 42.82               | -31.18                  | 74                          | 50.76                     | 36.97                         | 14.18                   | 59.09                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11b<br>CH 11<br>2462MHz |                                                                                             | 4924                 | 40.48               | -33.52                  | 74                          | 55.14                     | 32.36                         | 11.04                   | 58.06                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 7386                 | 43.58               | -30.42                  | 74                          | 51.27                     | 37.18                         | 14.27                   | 59.14                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             | 4924                 | 40.82               | -33.18                  | 74                          | 55.48                     | 32.36                         | 11.04                   | 58.06                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 7386                 | 43.95               | -30.05                  | 74                          | 51.64                     | 37.18                         | 14.27                   | 59.14                      | 100                  | 0                       | P                       | 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

## WIFI 802.11g (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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 ) |
|-----------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11g<br>CH 01<br>2412MHz |      | 2367.435             | 56.34               | -17.66                  | 74                          | 53.46                     | 27                            | 7.37                    | 31.49                      | 100                  | 323                     | P                       | H               |
|                             |      | 2367.435             | 44.69               | -9.31                   | 54                          | 41.81                     | 27                            | 7.37                    | 31.49                      | 100                  | 323                     | A                       | H               |
|                             | *    | 2412                 | 81.37               | -                       | -                           | 78.27                     | 27.14                         | 7.45                    | 31.49                      | 100                  | 323                     | P                       | H               |
|                             | *    | 2412                 | 72.06               | -                       | -                           | 68.96                     | 27.14                         | 7.45                    | 31.49                      | 100                  | 323                     | A                       | H               |
|                             |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |      | 2387.385             | 55.54               | -18.46                  | 74                          | 52.52                     | 27.06                         | 7.45                    | 31.49                      | 305                  | 282                     | P                       | V               |
|                             |      | 2362.605             | 44.53               | -9.47                   | 54                          | 41.67                     | 26.99                         | 7.37                    | 31.5                       | 305                  | 282                     | A                       | V               |
|                             | *    | 2412                 | 78.3                | -                       | -                           | 75.2                      | 27.14                         | 7.45                    | 31.49                      | 305                  | 282                     | P                       | V               |
|                             | *    | 2412                 | 69.22               | -                       | -                           | 66.12                     | 27.14                         | 7.45                    | 31.49                      | 305                  | 282                     | A                       | V               |
|                             |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11g<br>CH 06<br>2437MHz |      | 2361.1               | 56.73               | -17.27                  | 74                          | 53.88                     | 26.98                         | 7.37                    | 31.5                       | 295                  | 253                     | P                       | H               |
|                             |      | 2379.16              | 44.67               | -9.33                   | 54                          | 41.75                     | 27.04                         | 7.37                    | 31.49                      | 295                  | 253                     | A                       | H               |
|                             | *    | 2437                 | 80.67               | -                       | -                           | 77.45                     | 27.21                         | 7.49                    | 31.48                      | 295                  | 253                     | P                       | H               |
|                             | *    | 2437                 | 72.3                | -                       | -                           | 69.08                     | 27.21                         | 7.49                    | 31.48                      | 295                  | 253                     | A                       | H               |
|                             |      | 2497.83              | 56.55               | -17.45                  | 74                          | 53.09                     | 27.39                         | 7.53                    | 31.46                      | 295                  | 253                     | P                       | H               |
|                             |      | 2499.02              | 44.95               | -9.05                   | 54                          | 41.48                     | 27.4                          | 7.53                    | 31.46                      | 295                  | 253                     | A                       | H               |
|                             |      | 2370.9               | 55.44               | -18.56                  | 74                          | 52.55                     | 27.01                         | 7.37                    | 31.49                      | 337                  | 277                     | P                       | V               |
|                             |      | 2376.22              | 44.46               | -9.54                   | 54                          | 41.55                     | 27.03                         | 7.37                    | 31.49                      | 337                  | 277                     | A                       | V               |
|                             | *    | 2437                 | 79.65               | -                       | -                           | 76.43                     | 27.21                         | 7.49                    | 31.48                      | 337                  | 277                     | P                       | V               |
|                             | *    | 2437                 | 68.84               | -                       | -                           | 65.62                     | 27.21                         | 7.49                    | 31.48                      | 337                  | 277                     | A                       | V               |
|                             |      | 2493.21              | 56.57               | -17.43                  | 74                          | 53.12                     | 27.38                         | 7.53                    | 31.46                      | 337                  | 277                     | P                       | V               |
|                             |      | 2486.7               | 44.94               | -9.06                   | 54                          | 41.52                     | 27.36                         | 7.53                    | 31.47                      | 337                  | 277                     | A                       | V               |



|                                                  |                                                                                             |         |       |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|-------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11g</b><br><b>CH 11</b><br><b>2462MHz</b> | *                                                                                           | 2462    | 82.5  | -      | -  | 79.15 | 27.29 | 7.53 | 31.47 | 324 | 248 | P | H |
|                                                  | *                                                                                           | 2462    | 72.19 | -      | -  | 68.84 | 27.29 | 7.53 | 31.47 | 324 | 248 | A | H |
|                                                  |                                                                                             | 2490.24 | 56.67 | -17.33 | 74 | 53.24 | 27.37 | 7.53 | 31.47 | 324 | 248 | P | H |
|                                                  |                                                                                             | 2498.6  | 44.88 | -9.12  | 54 | 41.41 | 27.4  | 7.53 | 31.46 | 324 | 248 | A | H |
|                                                  |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | H |
|                                                  |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | H |
|                                                  | *                                                                                           | 2462    | 81.64 | -      | -  | 78.29 | 27.29 | 7.53 | 31.47 | 359 | 202 | P | V |
|                                                  | *                                                                                           | 2462    | 70.84 | -      | -  | 67.49 | 27.29 | 7.53 | 31.47 | 359 | 202 | A | V |
|                                                  |                                                                                             | 2494.92 | 56.85 | -17.15 | 74 | 53.4  | 27.38 | 7.53 | 31.46 | 359 | 202 | P | V |
|                                                  |                                                                                             | 2496.16 | 44.96 | -9.04  | 54 | 41.5  | 27.39 | 7.53 | 31.46 | 359 | 202 | A | V |
|                                                  |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | V |
|                                                  |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | V |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |       |        |    |       |       |      |       |     |     |   |   |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11g (Harmonic @ 3m)

| WIFI<br>Ant.<br>1+2         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11g<br>CH 01<br>2412MHz |                                                                                             | 4824                 | 40.12               | -33.88                  | 74                          | 55.34                     | 32.18                         | 10.74                   | 58.14                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             | 4824                 | 42.3                | -31.7                   | 74                          | 57.52                     | 32.18                         | 10.74                   | 58.14                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | V             |
| 802.11g<br>CH 06<br>2437MHz |                                                                                             | 4874                 | 39.58               | -34.42                  | 74                          | 54.52                     | 32.27                         | 10.89                   | 58.1                       | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 7311                 | 43.08               | -30.92                  | 74                          | 51.02                     | 36.97                         | 14.18                   | 59.09                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             | 4874                 | 41.47               | -32.53                  | 74                          | 56.41                     | 32.27                         | 10.89                   | 58.1                       | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 7311                 | 43.6                | -30.4                   | 74                          | 51.54                     | 36.97                         | 14.18                   | 59.09                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | V             |
| 802.11g<br>CH 11<br>2462MHz |                                                                                             | 4924                 | 39.16               | -34.84                  | 74                          | 53.82                     | 32.36                         | 11.04                   | 58.06                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 7386                 | 43.67               | -30.33                  | 74                          | 51.36                     | 37.18                         | 14.27                   | 59.14                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             | 4924                 | 39.02               | -34.98                  | 74                          | 53.68                     | 32.36                         | 11.04                   | 58.06                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 7386                 | 44                  | -30                     | 74                          | 51.69                     | 37.18                         | 14.27                   | 59.14                      | 100                  | 0                       | P                     | 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

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                 | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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 ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |      | 2362.29              | 56.11               | -17.89                  | 74                          | 53.25                     | 26.99                         | 7.37                    | 31.5                       | 271                  | 257                     | P                       | H               |
|                                     |      | 2384.235             | 44.6                | -9.4                    | 54                          | 41.59                     | 27.05                         | 7.45                    | 31.49                      | 271                  | 257                     | A                       | H               |
|                                     | *    | 2412                 | 82.24               | -                       | -                           | 79.14                     | 27.14                         | 7.45                    | 31.49                      | 271                  | 257                     | P                       | H               |
|                                     | *    | 2412                 | 73.23               | -                       | -                           | 70.13                     | 27.14                         | 7.45                    | 31.49                      | 271                  | 257                     | A                       | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |      | 2369.115             | 55.84               | -18.16                  | 74                          | 52.95                     | 27.01                         | 7.37                    | 31.49                      | 305                  | 280                     | P                       | V               |
|                                     |      | 2374.05              | 44.62               | -9.38                   | 54                          | 41.72                     | 27.02                         | 7.37                    | 31.49                      | 305                  | 280                     | A                       | V               |
|                                     | *    | 2412                 | 80.42               | -                       | -                           | 77.32                     | 27.14                         | 7.45                    | 31.49                      | 305                  | 280                     | P                       | V               |
|                                     | *    | 2412                 | 69.73               | -                       | -                           | 66.63                     | 27.14                         | 7.45                    | 31.49                      | 305                  | 280                     | A                       | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |      | 2325.12              | 56.16               | -17.84                  | 74                          | 53.49                     | 26.88                         | 7.3                     | 31.51                      | 295                  | 250                     | P                       | H               |
|                                     |      | 2365.72              | 44.71               | -9.29                   | 54                          | 41.83                     | 27                            | 7.37                    | 31.49                      | 295                  | 250                     | A                       | H               |
|                                     | *    | 2437                 | 84.23               | -                       | -                           | 81.01                     | 27.21                         | 7.49                    | 31.48                      | 295                  | 250                     | P                       | H               |
|                                     | *    | 2437                 | 73.95               | -                       | -                           | 70.73                     | 27.21                         | 7.49                    | 31.48                      | 295                  | 250                     | A                       | H               |
|                                     |      | 2486.98              | 56.65               | -17.35                  | 74                          | 53.23                     | 27.36                         | 7.53                    | 31.47                      | 295                  | 250                     | P                       | H               |
|                                     |      | 2486.77              | 44.93               | -9.07                   | 54                          | 41.51                     | 27.36                         | 7.53                    | 31.47                      | 295                  | 250                     | A                       | H               |
|                                     |      | 2362.36              | 55.47               | -18.53                  | 74                          | 52.61                     | 26.99                         | 7.37                    | 31.5                       | 272                  | 276                     | P                       | V               |
|                                     |      | 2380.84              | 44.55               | -9.45                   | 54                          | 41.55                     | 27.04                         | 7.45                    | 31.49                      | 272                  | 276                     | A                       | V               |
|                                     | *    | 2437                 | 80.97               | -                       | -                           | 77.75                     | 27.21                         | 7.49                    | 31.48                      | 272                  | 276                     | P                       | V               |
|                                     | *    | 2437                 | 69.93               | -                       | -                           | 66.71                     | 27.21                         | 7.49                    | 31.48                      | 272                  | 276                     | A                       | V               |
|                                     |      | 2487.19              | 56.07               | -17.93                  | 74                          | 52.65                     | 27.36                         | 7.53                    | 31.47                      | 272                  | 276                     | P                       | V               |
|                                     |      | 2489.36              | 44.91               | -9.09                   | 54                          | 41.48                     | 27.37                         | 7.53                    | 31.47                      | 272                  | 276                     | A                       | V               |



|                                               |                                                                                             |         |       |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------|---------|-------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n<br/>HT20<br/>CH 11<br/>2462MHz</b> | *                                                                                           | 2462    | 81.34 | -      | -  | 77.99 | 27.29 | 7.53 | 31.47 | 302 | 320 | P | H |
|                                               | *                                                                                           | 2462    | 72.45 | -      | -  | 69.1  | 27.29 | 7.53 | 31.47 | 302 | 320 | A | H |
|                                               |                                                                                             | 2486.64 | 57.05 | -16.95 | 74 | 53.63 | 27.36 | 7.53 | 31.47 | 302 | 320 | P | H |
|                                               |                                                                                             | 2496.52 | 44.83 | -9.17  | 54 | 41.37 | 27.39 | 7.53 | 31.46 | 302 | 320 | A | H |
|                                               |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | H |
|                                               |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | H |
|                                               | *                                                                                           | 2462    | 80.31 | -      | -  | 76.96 | 27.29 | 7.53 | 31.47 | 332 | 133 | P | V |
|                                               | *                                                                                           | 2462    | 70.35 | -      | -  | 67    | 27.29 | 7.53 | 31.47 | 332 | 133 | A | V |
|                                               |                                                                                             | 2491    | 56.76 | -17.24 | 74 | 53.33 | 27.37 | 7.53 | 31.47 | 332 | 133 | P | V |
|                                               |                                                                                             | 2497.36 | 45.02 | -8.98  | 54 | 41.56 | 27.39 | 7.53 | 31.46 | 332 | 133 | A | V |
|                                               |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | V |
|                                               |                                                                                             |         |       |        |    |       |       |      |       |     |     |   | V |
| <b>Remark</b>                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |       |        |    |       |       |      |       |     |     |   |   |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI<br>Ant.<br>1+2                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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 ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |                                                                                             | 4824                 | 44.63               | -29.37                  | 74                          | 59.85                     | 32.18                         | 10.74                   | 58.14                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 4824                 | 43.44               | -30.56                  | 74                          | 58.66                     | 32.18                         | 10.74                   | 58.14                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |                                                                                             | 4874                 | 41.33               | -32.67                  | 74                          | 56.27                     | 32.27                         | 10.89                   | 58.1                       | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 7311                 | 43.52               | -30.48                  | 74                          | 51.46                     | 36.97                         | 14.18                   | 59.09                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 4874                 | 41.62               | -32.38                  | 74                          | 56.56                     | 32.27                         | 10.89                   | 58.1                       | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 7311                 | 44.32               | -29.68                  | 74                          | 52.26                     | 36.97                         | 14.18                   | 59.09                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 11<br>2462MHz |                                                                                             | 4924                 | 39.59               | -34.41                  | 74                          | 54.25                     | 32.36                         | 11.04                   | 58.06                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 7386                 | 43.48               | -30.52                  | 74                          | 51.17                     | 37.18                         | 14.27                   | 59.14                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 4924                 | 40.52               | -33.48                  | 74                          | 55.18                     | 32.36                         | 11.04                   | 58.06                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 7386                 | 44.15               | -29.85                  | 74                          | 51.84                     | 37.18                         | 14.27                   | 59.14                      | 100                  | 0                       | P                       | 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

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                 | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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 ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 03<br>2422MHz |      | 2381.54              | 55.54               | -18.46                  | 74                          | 52.54                     | 27.04                         | 7.45                    | 31.49                      | 100                  | 324                     | P                       | H               |
|                                     |      | 2381.68              | 45.33               | -8.67                   | 54                          | 42.32                     | 27.05                         | 7.45                    | 31.49                      | 100                  | 324                     | A                       | H               |
|                                     | *    | 2422                 | 80.31               | -                       | -                           | 77.13                     | 27.17                         | 7.49                    | 31.48                      | 100                  | 324                     | P                       | H               |
|                                     | *    | 2422                 | 71.12               | -                       | -                           | 67.94                     | 27.17                         | 7.49                    | 31.48                      | 100                  | 324                     | A                       | H               |
|                                     |      | 2495.66              | 56.23               | -17.77                  | 74                          | 52.77                     | 27.39                         | 7.53                    | 31.46                      | 100                  | 324                     | P                       | H               |
|                                     |      | 2493.14              | 45.88               | -8.12                   | 54                          | 42.43                     | 27.38                         | 7.53                    | 31.46                      | 100                  | 324                     | A                       | H               |
|                                     |      | 2353.26              | 56.09               | -17.91                  | 74                          | 53.26                     | 26.96                         | 7.37                    | 31.5                       | 331                  | 202                     | P                       | V               |
|                                     |      | 2388.96              | 45.35               | -8.65                   | 54                          | 42.32                     | 27.07                         | 7.45                    | 31.49                      | 331                  | 202                     | A                       | V               |
|                                     | *    | 2422                 | 78.55               | -                       | -                           | 75.37                     | 27.17                         | 7.49                    | 31.48                      | 331                  | 202                     | P                       | V               |
|                                     | *    | 2422                 | 67.24               | -                       | -                           | 64.06                     | 27.17                         | 7.49                    | 31.48                      | 331                  | 202                     | A                       | V               |
|                                     |      | 2489.36              | 56.67               | -17.33                  | 74                          | 53.24                     | 27.37                         | 7.53                    | 31.47                      | 331                  | 202                     | P                       | V               |
|                                     |      | 2489.64              | 45.6                | -8.4                    | 54                          | 42.17                     | 27.37                         | 7.53                    | 31.47                      | 331                  | 202                     | A                       | V               |
| 802.11n<br>HT40<br>CH 06<br>2437MHz |      | 2382.1               | 57.37               | -16.63                  | 74                          | 54.36                     | 27.05                         | 7.45                    | 31.49                      | 236                  | 314                     | P                       | H               |
|                                     |      | 2387.84              | 45.31               | -8.69                   | 54                          | 42.29                     | 27.06                         | 7.45                    | 31.49                      | 236                  | 314                     | A                       | H               |
|                                     | *    | 2437                 | 82.28               | -                       | -                           | 79.06                     | 27.21                         | 7.49                    | 31.48                      | 236                  | 314                     | P                       | H               |
|                                     | *    | 2437                 | 72.91               | -                       | -                           | 69.69                     | 27.21                         | 7.49                    | 31.48                      | 236                  | 314                     | A                       | H               |
|                                     |      | 2495.45              | 56                  | -18                     | 74                          | 52.54                     | 27.39                         | 7.53                    | 31.46                      | 236                  | 314                     | P                       | H               |
|                                     |      | 2496.22              | 45.57               | -8.43                   | 54                          | 42.11                     | 27.39                         | 7.53                    | 31.46                      | 236                  | 314                     | A                       | H               |
|                                     |      | 2352.14              | 55.7                | -18.3                   | 74                          | 52.87                     | 26.96                         | 7.37                    | 31.5                       | 235                  | 165                     | P                       | V               |
|                                     |      | 2354.66              | 45.42               | -8.58                   | 54                          | 42.59                     | 26.96                         | 7.37                    | 31.5                       | 235                  | 165                     | A                       | V               |
|                                     | *    | 2437                 | 78.26               | -                       | -                           | 75.04                     | 27.21                         | 7.49                    | 31.48                      | 235                  | 165                     | P                       | V               |
|                                     | *    | 2437                 | 68.13               | -                       | -                           | 64.91                     | 27.21                         | 7.49                    | 31.48                      | 235                  | 165                     | A                       | V               |
|                                     |      | 2496.99              | 56.88               | -17.12                  | 74                          | 53.42                     | 27.39                         | 7.53                    | 31.46                      | 235                  | 165                     | P                       | V               |
|                                     |      | 2490.69              | 45.57               | -8.43                   | 54                          | 42.14                     | 27.37                         | 7.53                    | 31.47                      | 235                  | 165                     | A                       | V               |



|                                               |                                                                                             |         |       |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------|---------|-------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n<br/>HT40<br/>CH 09<br/>2452MHz</b> |                                                                                             | 2318.26 | 56.12 | -17.88 | 74 | 53.48 | 26.85 | 7.3  | 31.51 | 298 | 252 | P | H |
|                                               |                                                                                             | 2375.8  | 45.43 | -8.57  | 54 | 42.52 | 27.03 | 7.37 | 31.49 | 298 | 252 | A | H |
|                                               | *                                                                                           | 2452    | 79.91 | -      | -  | 76.63 | 27.26 | 7.49 | 31.47 | 298 | 252 | P | H |
|                                               | *                                                                                           | 2452    | 70.54 | -      | -  | 67.26 | 27.26 | 7.49 | 31.47 | 298 | 252 | A | H |
|                                               |                                                                                             | 2484.53 | 56.46 | -17.54 | 74 | 53.05 | 27.35 | 7.53 | 31.47 | 298 | 252 | P | H |
|                                               |                                                                                             | 2484.53 | 45.64 | -8.36  | 54 | 42.23 | 27.35 | 7.53 | 31.47 | 298 | 252 | A | H |
|                                               |                                                                                             | 2381.82 | 55.84 | -18.16 | 74 | 52.83 | 27.05 | 7.45 | 31.49 | 296 | 201 | P | V |
|                                               |                                                                                             | 2362.78 | 45.33 | -8.67  | 54 | 42.47 | 26.99 | 7.37 | 31.5  | 296 | 201 | A | V |
|                                               | *                                                                                           | 2452    | 77.57 | -      | -  | 74.29 | 27.26 | 7.49 | 31.47 | 296 | 201 | P | V |
|                                               | *                                                                                           | 2452    | 68.55 | -      | -  | 65.27 | 27.26 | 7.49 | 31.47 | 296 | 201 | A | V |
|                                               |                                                                                             | 2498.67 | 56.39 | -17.61 | 74 | 52.92 | 27.4  | 7.53 | 31.46 | 296 | 201 | P | V |
|                                               |                                                                                             | 2490.34 | 45.58 | -8.42  | 54 | 42.15 | 27.37 | 7.53 | 31.47 | 296 | 201 | A | V |
| <b>Remark</b>                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |       |        |    |       |       |      |       |     |     |   |   |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI<br>Ant.<br>1+2                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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 ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 03<br>2422MHz |                                                                                             | 4844                 | 39.82               | -34.18                  | 74                          | 54.98                     | 32.22                         | 10.74                   | 58.12                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 7266                 | 43.16               | -30.84                  | 74                          | 51.25                     | 36.84                         | 14.14                   | 59.07                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 4844                 | 40.39               | -33.61                  | 74                          | 55.55                     | 32.22                         | 10.74                   | 58.12                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 7266                 | 44.31               | -29.69                  | 74                          | 52.4                      | 36.84                         | 14.14                   | 59.07                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 06<br>2437MHz |                                                                                             | 4874                 | 40.11               | -33.89                  | 74                          | 55.05                     | 32.27                         | 10.89                   | 58.1                       | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 7311                 | 43.01               | -30.99                  | 74                          | 50.95                     | 36.97                         | 14.18                   | 59.09                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 4874                 | 40.45               | -33.55                  | 74                          | 55.39                     | 32.27                         | 10.89                   | 58.1                       | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 7311                 | 43.36               | -30.64                  | 74                          | 51.3                      | 36.97                         | 14.18                   | 59.09                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 09<br>2452MHz |                                                                                             | 4904                 | 39.04               | -34.96                  | 74                          | 53.74                     | 32.33                         | 11.04                   | 58.07                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 7356                 | 43.37               | -30.63                  | 74                          | 51.17                     | 37.1                          | 14.22                   | 59.12                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 4904                 | 39.26               | -34.74                  | 74                          | 53.96                     | 32.33                         | 11.04                   | 58.07                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 7356                 | 43.51               | -30.49                  | 74                          | 51.31                     | 37.1                          | 14.22                   | 59.12                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## Emission below 1GHz

## 2.4GHz WIFI 802.11n HT40 (LF)

| WIFI Ant.                       | Note                                                                       | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------|----------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|------------|---------------|---------|-----------|-----------|---------|
| 1+2                             |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )     | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 2.4GHz<br>802.11n<br>HT40<br>LF |                                                                            | 33.51     | 36.95      | -3.05      | 40         | 43.44      | 23.84          | 1.07       | 31.4          | 100     | 0         | P         | H       |
|                                 |                                                                            | 118.56    | 30.02      | -13.48     | 43.5       | 42.19      | 17.79          | 1.55       | 31.51         |         |           | P         | H       |
|                                 |                                                                            | 250.05    | 32.88      | -13.12     | 46         | 43.19      | 19             | 2.07       | 31.38         |         |           | P         | H       |
|                                 |                                                                            | 650       | 31.04      | -14.96     | 46         | 32.34      | 25.9           | 3.57       | 30.77         |         |           | P         | H       |
|                                 |                                                                            | 866.3     | 32.81      | -13.19     | 46         | 30.4       | 28.8           | 4.17       | 30.56         |         |           | P         | H       |
|                                 |                                                                            | 940.5     | 33.38      | -12.62     | 46         | 29.85      | 29.99          | 4.07       | 30.53         |         |           | P         | H       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | H       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | H       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | H       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | H       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | H       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | H       |
|                                 |                                                                            | 32.7      | 37.13      | -2.87      | 40         | 43.07      | 24.38          | 1.07       | 31.39         | 100     | 320       | QP        | V       |
|                                 |                                                                            | 101.28    | 32.44      | -11.06     | 43.5       | 45.92      | 16.49          | 1.55       | 31.52         |         |           | P         | V       |
|                                 |                                                                            | 274.89    | 28.52      | -17.48     | 46         | 38.17      | 19.35          | 2.32       | 31.32         |         |           | P         | V       |
|                                 |                                                                            | 650       | 30.97      | -15.03     | 46         | 32.27      | 25.9           | 3.57       | 30.77         |         |           | P         | V       |
|                                 |                                                                            | 864.2     | 32.14      | -13.86     | 46         | 29.74      | 28.79          | 4.17       | 30.56         |         |           | P         | V       |
|                                 |                                                                            | 921.6     | 33.5       | -12.5      | 46         | 30.4       | 29.52          | 4.12       | 30.54         |         |           | P         | V       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | V       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | V       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | V       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | V       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | V       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | V       |
|                                 |                                                                            |           |            |            |            |            |                |            |               |         |           |           | V       |
| Remark                          | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |            |            |            |                |            |               |         |           |           |         |



**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>over limit</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:

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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. Over Limit(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) + Cable 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. Over Limit(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 C. Radiated Spurious Emission Plots

|                        |                                   |                            |         |
|------------------------|-----------------------------------|----------------------------|---------|
| <b>Test Engineer :</b> | Peter Chiu, Karl Hou, and Nick Yu | <b>Temperature :</b>       | 22~24°C |
|                        |                                   | <b>Relative Humidity :</b> | 54~58%  |

### Note symbol

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

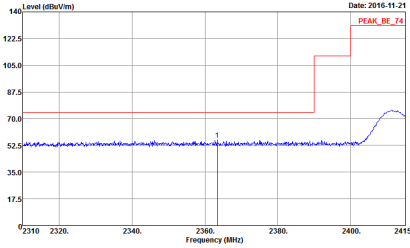
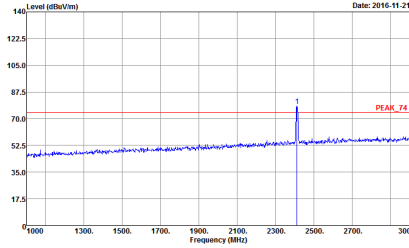
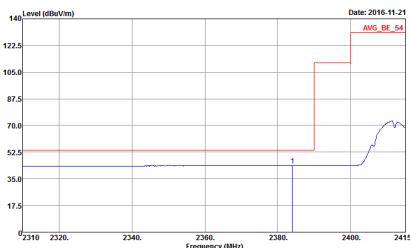
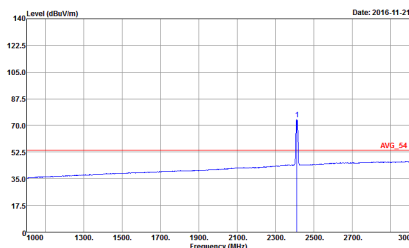


2.4GHz 2400~2483.5MHz

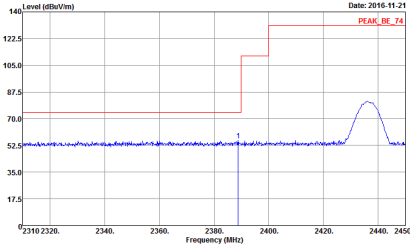
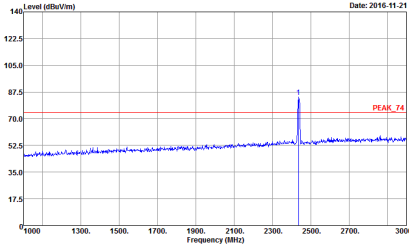
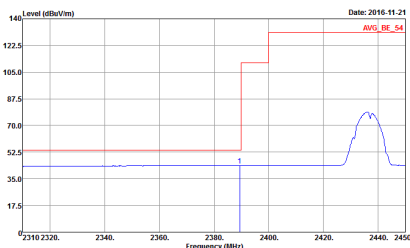
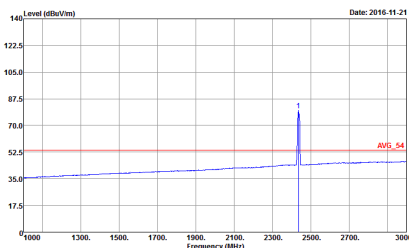
WIFI 802.11b (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                  |                                                                                                                                                                                    |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH01 2412MHz                                                                                                                                                                  |                                                                                                                                                                                    |
| 1    | Horizontal                                                                                                                                                                            | Fundamental                                                                                                                                                                        |
| Peak | <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 1</p> | <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 1</p> |
| Avg. | <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 1</p>     | <p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 1</p>     |

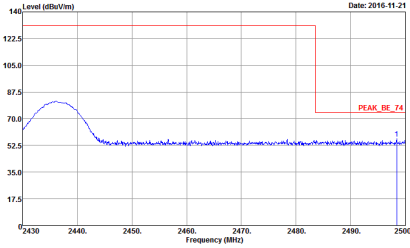
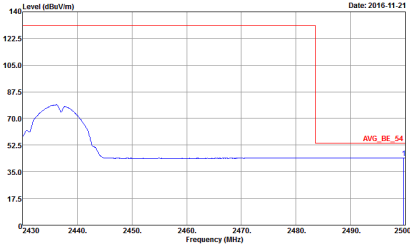


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH01 2412MHz                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                               |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                                                                                                   |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_BE_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 1</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 1</p></div> |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_BE_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 1</p></div>    | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 1</p></div>    |

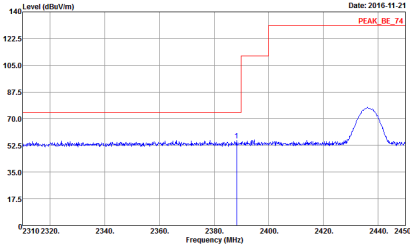
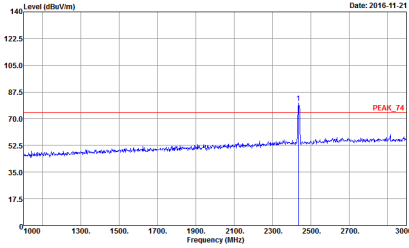
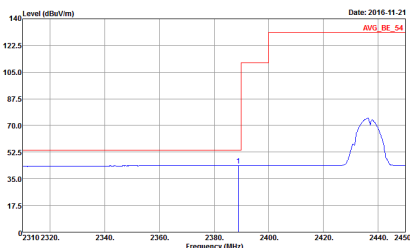
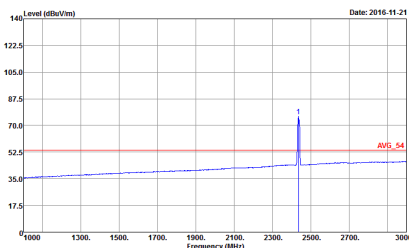


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH06 2437MHz - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Peak | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Peak. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the peak level at 122.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 17.5 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div>    | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the peak level at 122.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 17.5 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div>    |
| Avg. | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Avg. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the average level at 122.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 17.5 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the average level at 122.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 17.5 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div> |

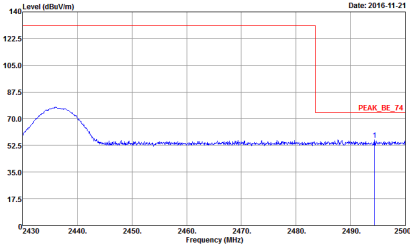
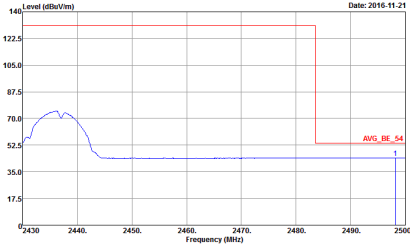


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11b CH06 2437MHz - R                                                                                                                                                                                                            |             |
| 1    | Horizontal                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div> | Left blank  |

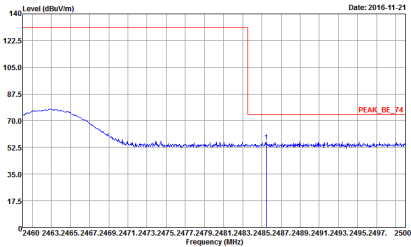
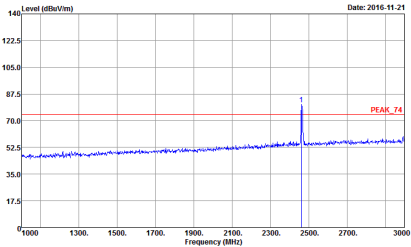
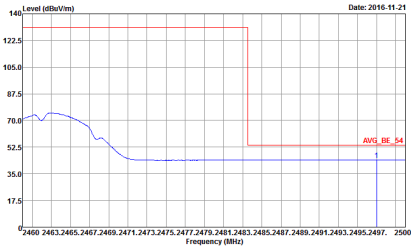
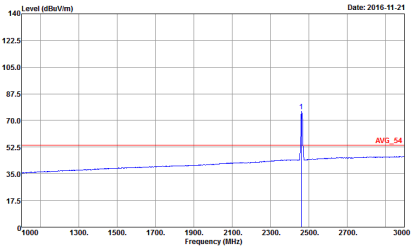


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH06 2437MHz - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Peak | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the peak level at 122.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the peak level at 122.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> |
| Avg. | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Avg. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the average level at 122.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the average level at 122.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> |

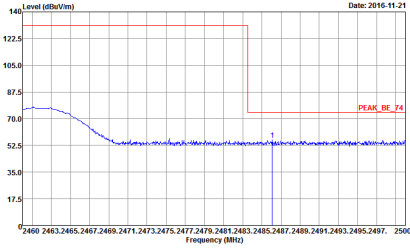
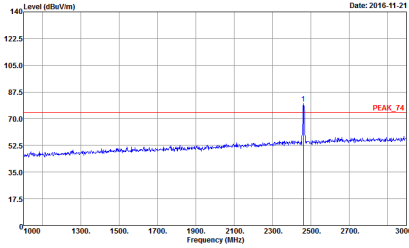
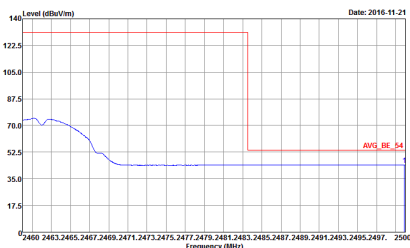
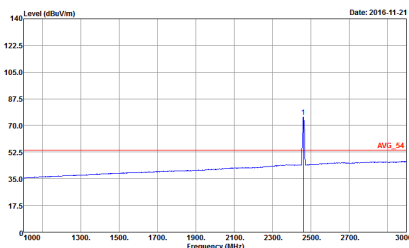


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11b CH06 2437MHz - R                                                                                                                                                                                                          |             |
| 1    | Vertical                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div> | Left blank  |

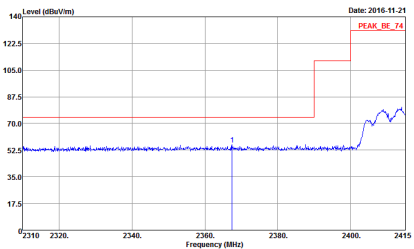
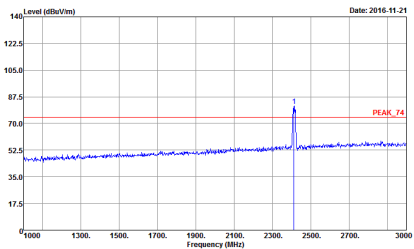
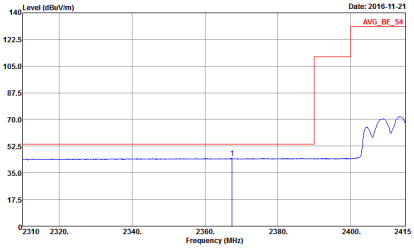
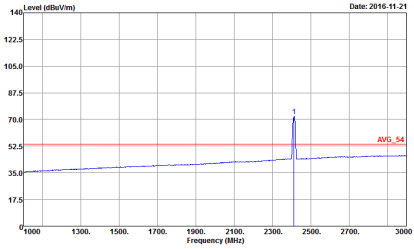


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                      |                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH11 2462MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p>  |  <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p>  |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p> |  <p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p> |

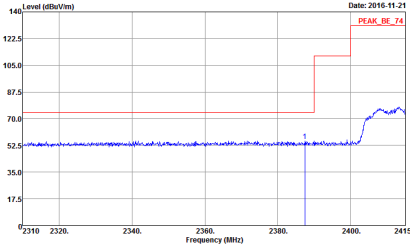
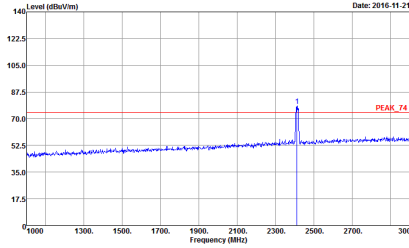
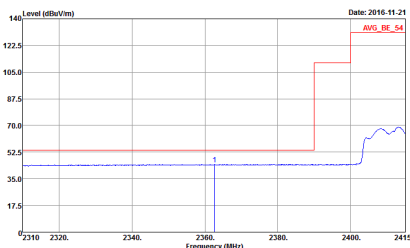
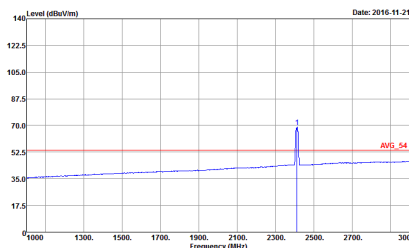


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH11 2462MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a blue line representing the spectrum with a red box highlighting the peak area. The peak is labeled 'PEAK_BE_74'. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p></div>        | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a blue line representing the spectrum with a red box highlighting the peak area. The peak is labeled 'PEAK_F4'. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_F4 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p></div>        |
| Avg. | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Avg. The plot shows a blue line representing the average spectrum with a red box highlighting the peak area. The peak is labeled 'AVG_BE_54'. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a blue line representing the average spectrum with a red box highlighting the peak area. The peak is labeled 'AVG_F4'. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_F4 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p></div> |

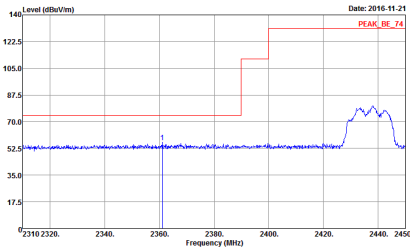
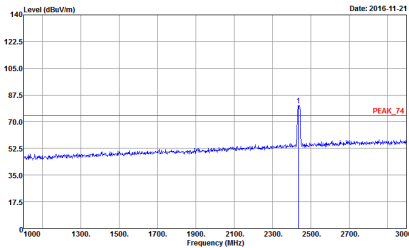
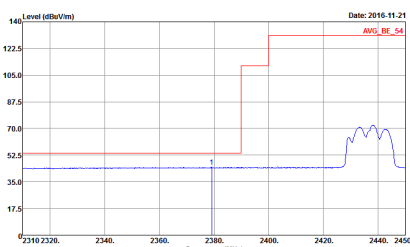
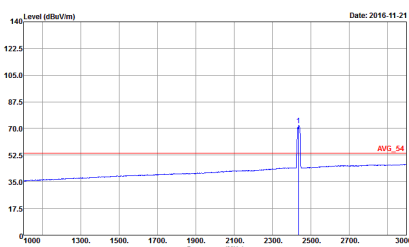
**2.4GHz 2400~2483.5MHz**
**WIFI 802.11g (Band Edge @ 3m)**

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH01 2412MHz                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                    |
| 1    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p> |  <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p>   |  <p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p>   |

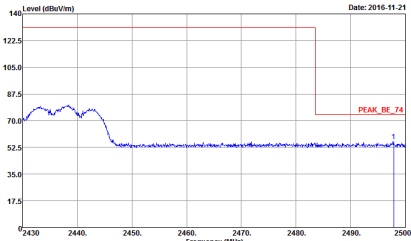
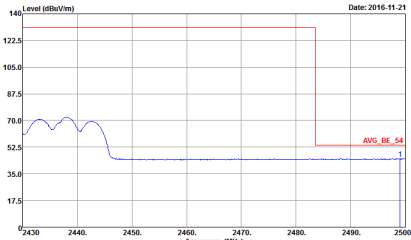


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH01 2412MHz                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                               |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                                                                                                   |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_BE_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 4</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 4</p></div> |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_BE_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 4</p></div>    | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 4</p></div>    |

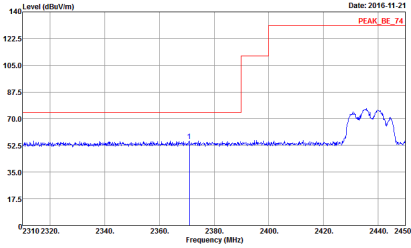
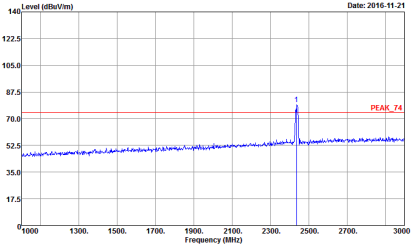
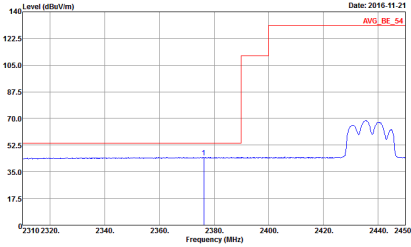
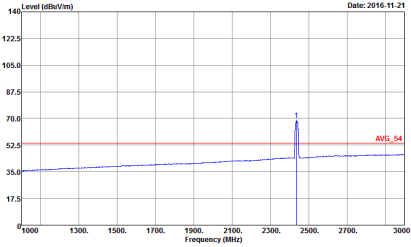


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                     |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH06 2437MHz - L                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                         |
| Peak | <div><p>Site<br/>Condition : 03CH12-HY<br/>: PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 5</p></div> | <div><p>Site<br/>Condition : 03CH12-HY<br/>: PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 5</p></div> |
| Avg. | <div><p>Site<br/>Condition : 03CH12-HY<br/>: AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 5</p></div>   | <div><p>Site<br/>Condition : 03CH12-HY<br/>: AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 5</p></div>   |

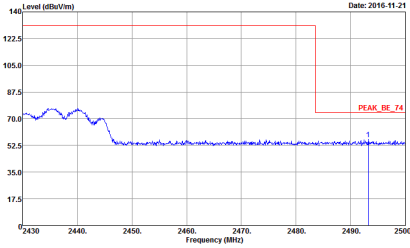
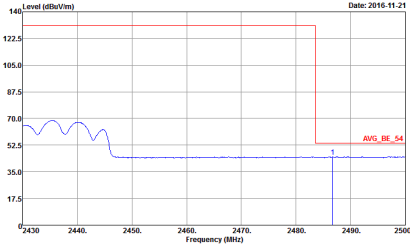


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11g CH06 2437MHz - R                                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 5</p>  | Left blank  |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 5</p> | Left blank  |

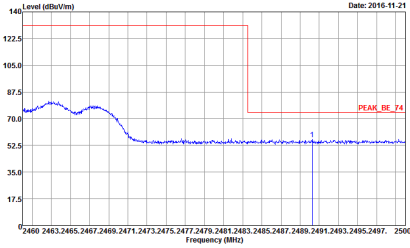
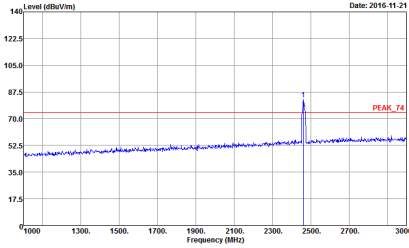
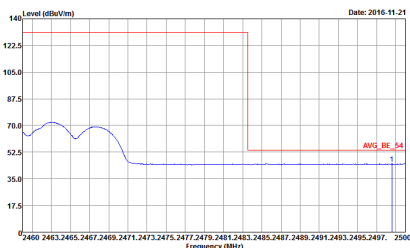
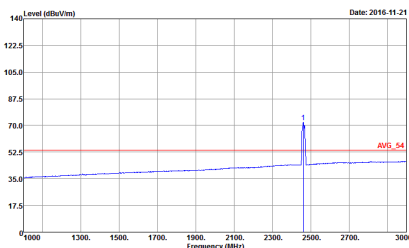


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH06 2437MHz - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a sharp peak at approximately 2437 MHz. The y-axis ranges from 17.5 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the peak level at approximately 135 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a sharp peak at approximately 2437 MHz. The y-axis ranges from 17.5 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 75 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> |
| Avg. | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Avg. The plot shows a broad peak at approximately 2437 MHz. The y-axis ranges from 17.5 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the average level at approximately 135 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a broad peak at approximately 2437 MHz. The y-axis ranges from 17.5 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 75 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> |

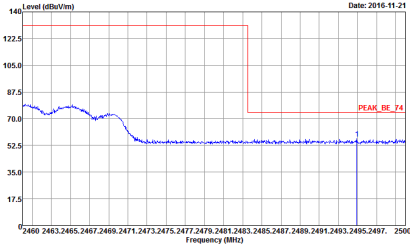
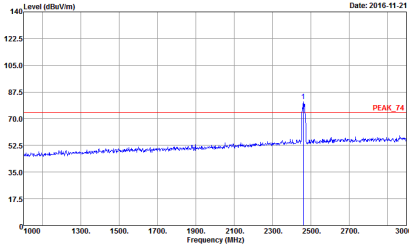
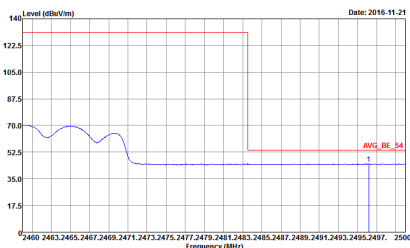
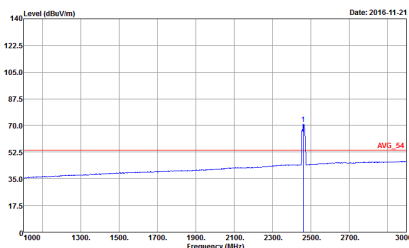


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11g CH06 2437MHz - R                                                                                                                                                                                                          |             |
| 1    | Vertical                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 5</p></div>  | Left Blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 5</p></div> | Left Blank  |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH11 2462MHz                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div>  | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div>  |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div> |

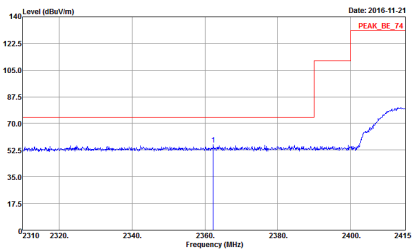
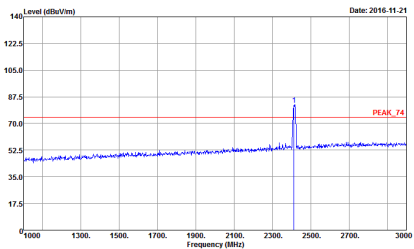
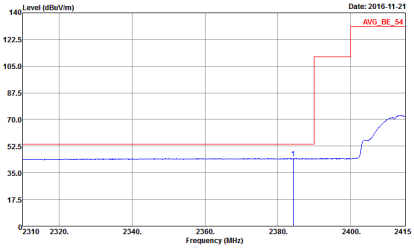
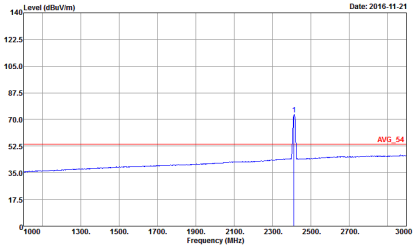


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH11 2462MHz                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div>  | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div>  |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div> |

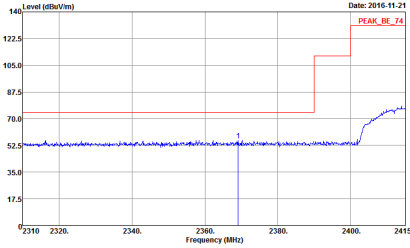
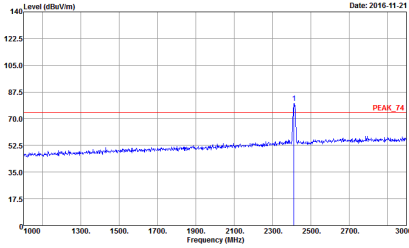
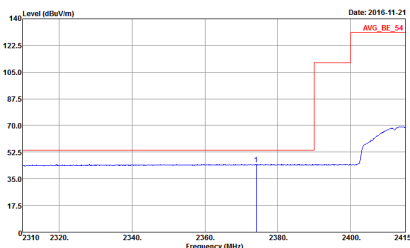
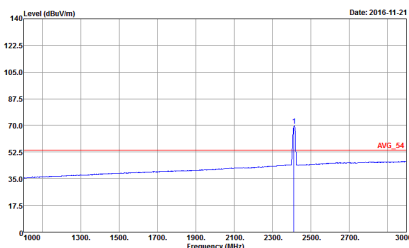


2.4GHz 2400~2483.5MHz

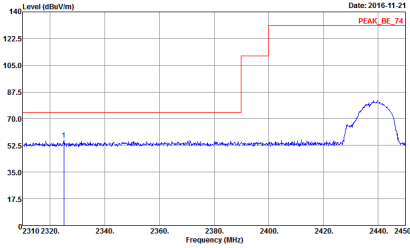
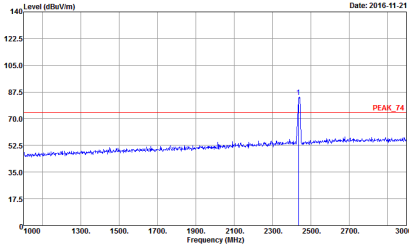
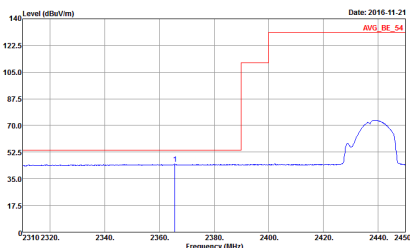
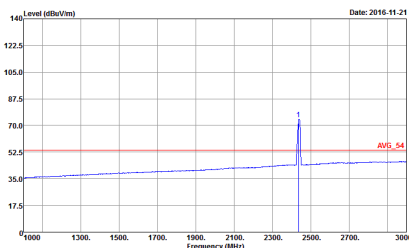
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH01 2412MHz                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                    |
| 1    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p> |  <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p>   |  <p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p>   |

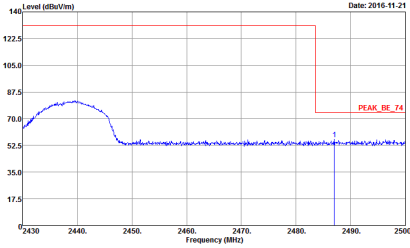
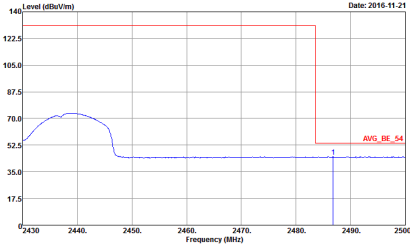


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH01 2412MHz                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_BE_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 7</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_F4</p><p>Site : 03CH12-HY<br/>Condition : PEAK_F4 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 7</p></div> |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_BE_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 7</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_F4</p><p>Site : 03CH12-HY<br/>Condition : AVG_F4 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 7</p></div> |

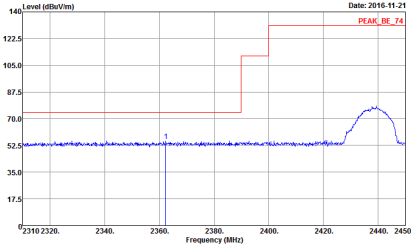
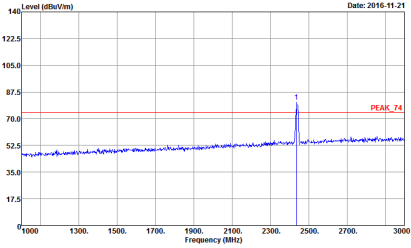
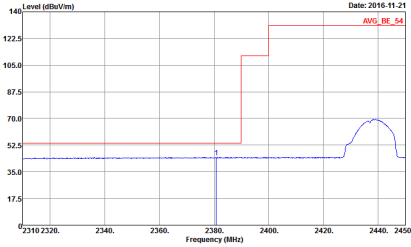
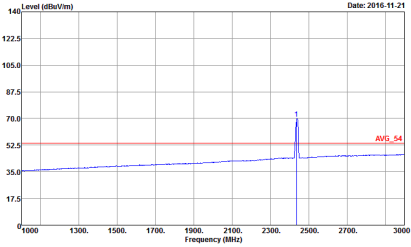


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH06 2437MHz - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1    | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Peak | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Peak. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the level at 122.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Date: 2016-11-21<br/>PEAK_BE_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 8</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the level at 122.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Date: 2016-11-21<br/>PEAK_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 8</p></div> |
| Avg. | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Avg. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the level at 122.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Date: 2016-11-21<br/>AVG_BE_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 8</p></div>     | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the level at 122.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Date: 2016-11-21<br/>AVG_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 8</p></div>     |

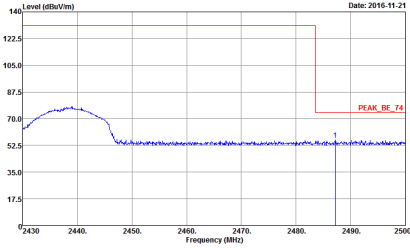
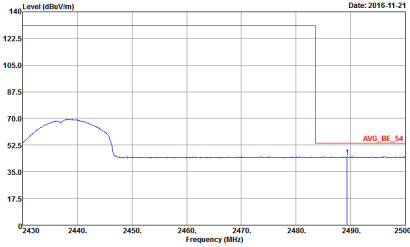


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH06 2437MHz - R                                                                                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 8</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 8</p></div>   | Left blank  |

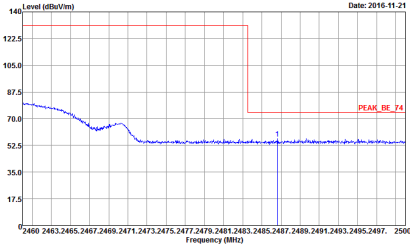
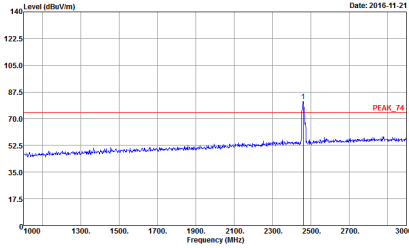
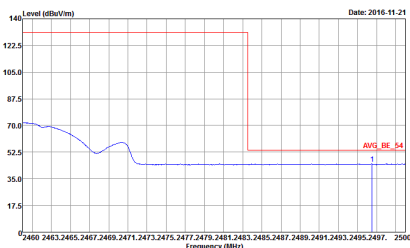
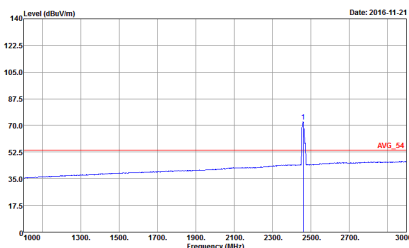


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH06 2437MHz - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Peak | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a blue line representing the spectrum with a prominent peak at approximately 2437 MHz. A red horizontal line indicates the peak level at approximately 132.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a blue line representing the spectrum with a prominent peak at approximately 2437 MHz. A red horizontal line indicates the peak level at approximately 132.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> |
| Avg. | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Average. The plot shows a blue line representing the spectrum with a peak at approximately 2437 MHz. A red horizontal line indicates the average level at approximately 132.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div>       | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Average. The plot shows a blue line representing the spectrum with a peak at approximately 2437 MHz. A red horizontal line indicates the average level at approximately 132.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div>       |

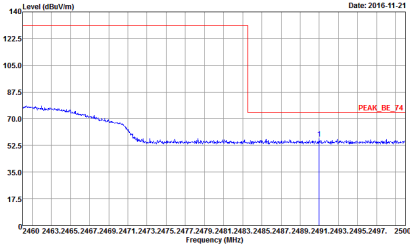
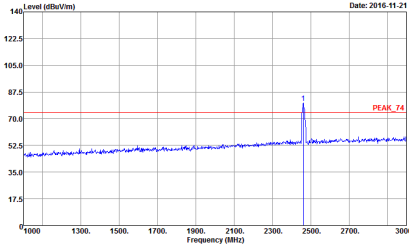
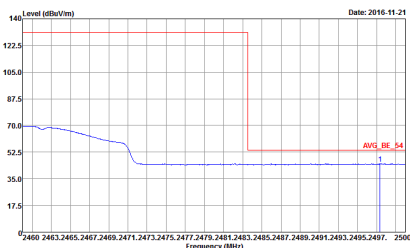
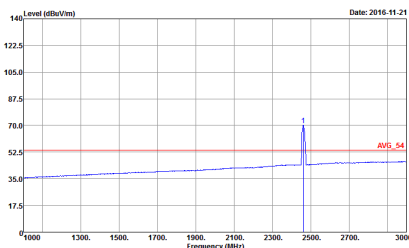


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH06 2437MHz - R                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 8</p></div>  | Left Blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 8</p></div> | Left Blank  |

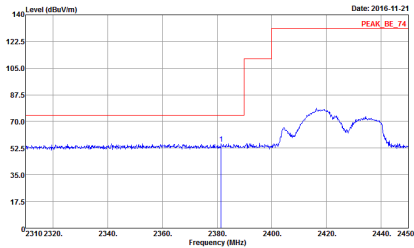
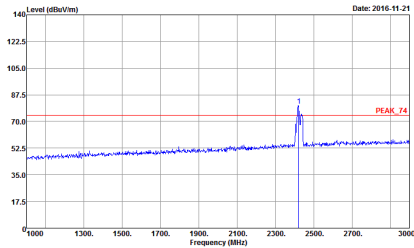
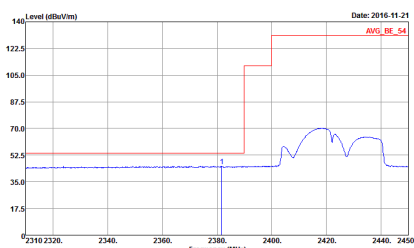
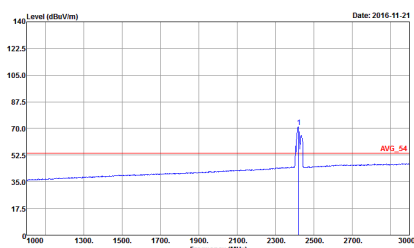


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH11 2462MHz                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 9</p></div>  | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 9</p></div>  |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 9</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 9</p></div> |

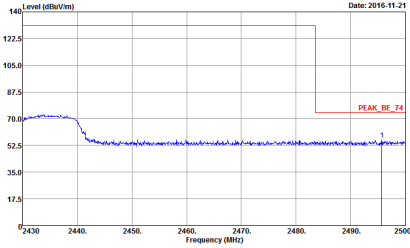
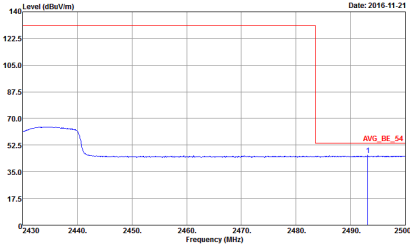


| WIFI | 2.4GHz 2400~2483.5MHz Fundamental @ 3m                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH11 2462MHz                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div>   | <div><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div>   |

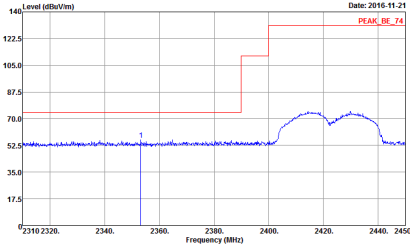
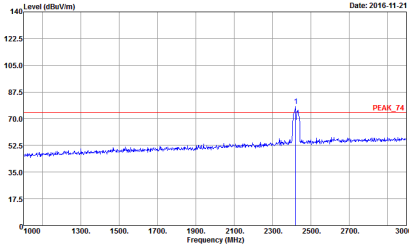
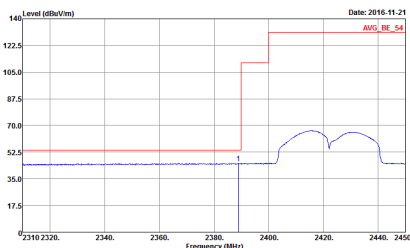
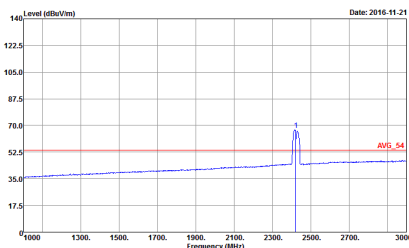
**2.4GHz 2400~2483.5MHz**
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH03 2422MHz - L                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                    |
| 1    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p> |  <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p>   |  <p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p>   |

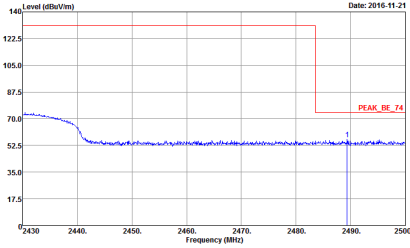
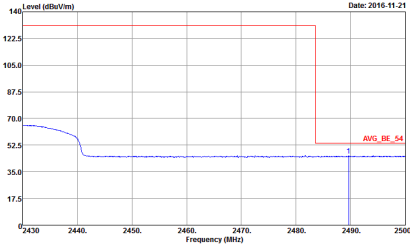


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                 |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH03 2422MHz - R                                                                                                                                                                                                        |             |
| 1    | Horizontal                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p></div>  | Left Blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p></div> | Left Blank  |

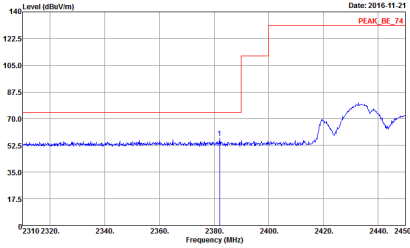
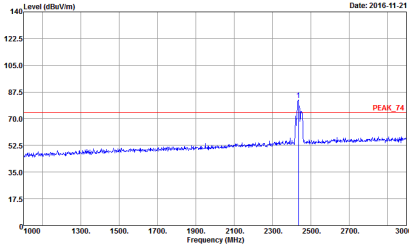
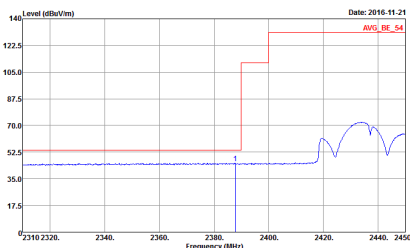
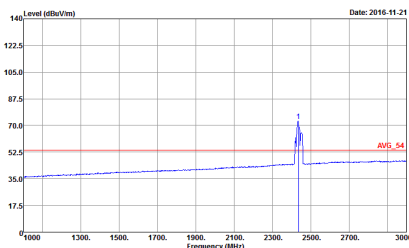


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH03 2422MHz - L                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                     |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_BE_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p></div> |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_BE_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p></div> |

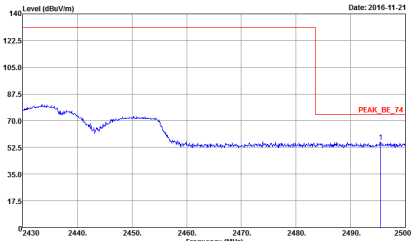
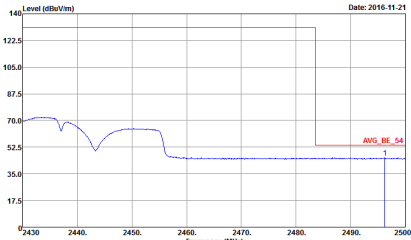


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH03 2422MHz - R                                                                                                                                                                                                      |             |
| 1    | Vertical                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p></div> | Left blank  |

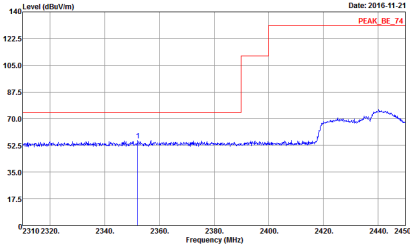
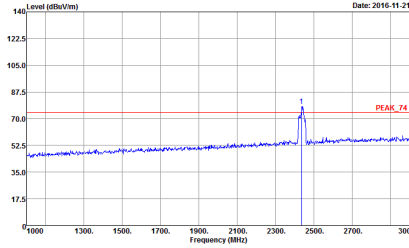
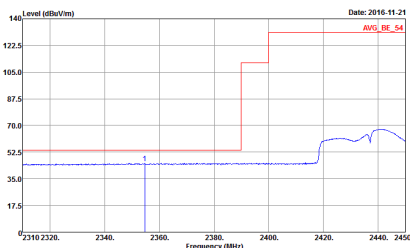
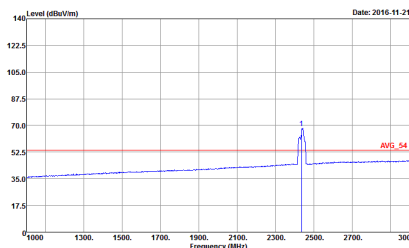


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                   |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH06 2437MHz - L                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                   |
| 1    | Horizontal                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                       |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_BE_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 11</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 11</p></div> |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_BE_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 11</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 11</p></div> |

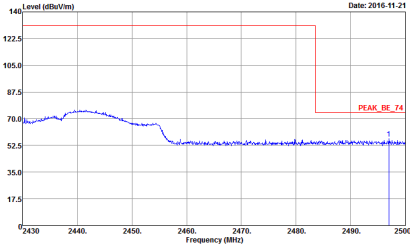
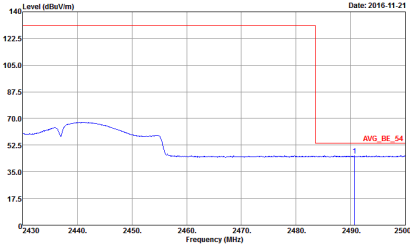


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH06 2437MHz - R                                                                                                                                                                                                                                            |             |
| 1    | Horizontal                                                                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 11</p> | Left blank  |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 11</p>   | Left blank  |

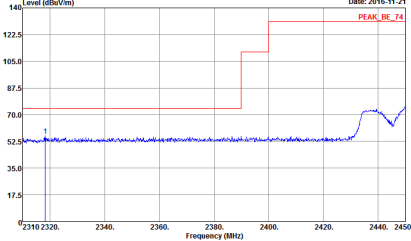
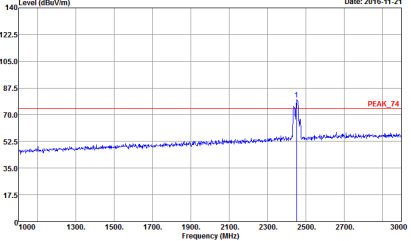
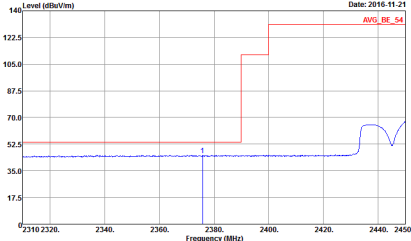
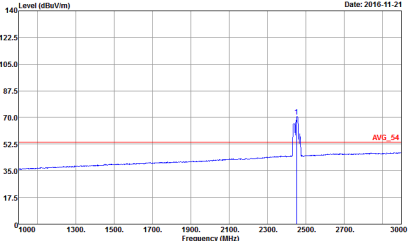


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH06 2437MHz - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Peak | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the peak level at 122.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Date: 2016-11-21<br/>PEAK_BE_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 11</p></div> | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the peak level at 122.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Date: 2016-11-21<br/>PEAK_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 11</p></div> |
| Avg. | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Vertical Avg. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the peak level at 122.5 dBuV/m. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Date: 2016-11-21<br/>AVG_BE_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 11</p></div>  | <div><p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a blue trace with a peak at approximately 2437 MHz. A red line indicates the peak level at 122.5 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 140 dBuV/m.</p><p>Date: 2016-11-21<br/>AVG_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 11</p></div>  |

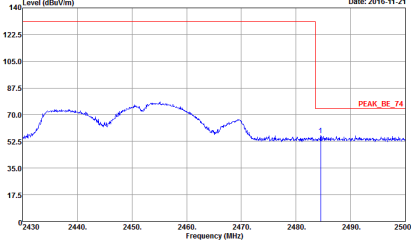
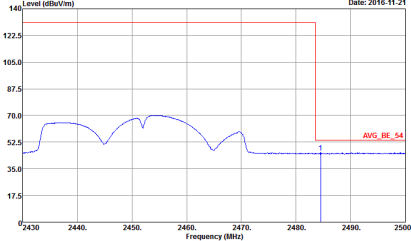


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH06 2437MHz - R                                                                                                                                                                                                      |             |
| 1    | Horizontal                                                                                                                                                                                                                         | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 11</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 11</p></div> | Left blank  |

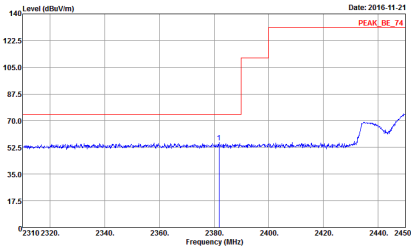
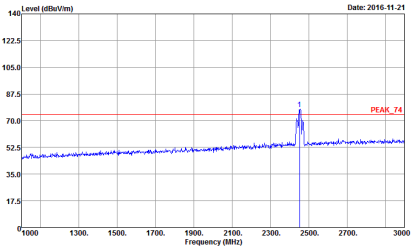
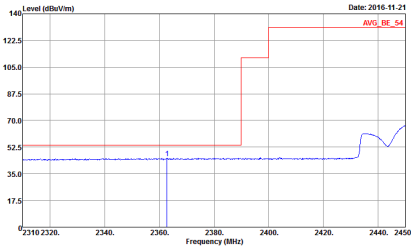
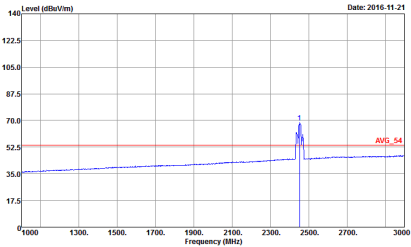


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH09 2452MHz - L                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                          |
| Peak | <div><p>Site<br/>Condition : 03CH12-HY<br/>: PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 12</p></div> | <div><p>Site<br/>Condition : 03CH12-HY<br/>: PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 12</p></div> |
| Avg. | <div><p>Site<br/>Condition : 03CH12-HY<br/>: AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 12</p></div>   | <div><p>Site<br/>Condition : 03CH12-HY<br/>: AVG_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>: 12</p></div>   |

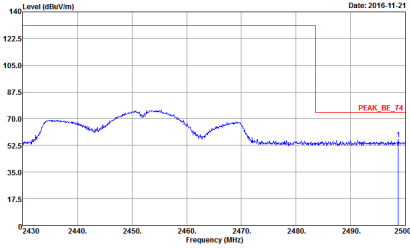
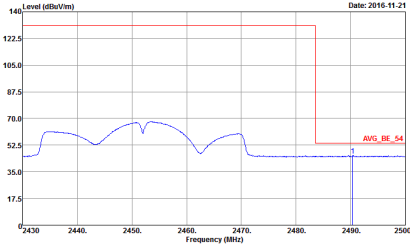


| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                           |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH09 2452MHz - R                                                                                                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 600709<br/>Date: 2016-11-21</p></div>   | Left blank  |



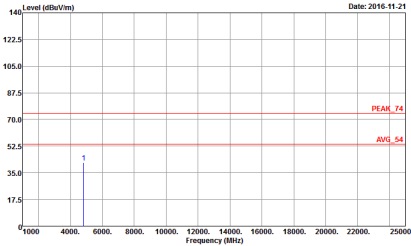
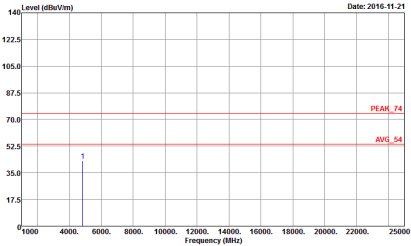
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH09 2452MHz - L                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                     |
| Peak | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_BE_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 12</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>PEAK_74</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 12</p></div> |
| Avg. | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_BE_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 12</p></div> | <div><p>Level (dBuV/m)</p><p>Frequency (MHz)</p><p>Date: 2016-11-21</p><p>AVG_54</p><p>Site : 03CH12-HY<br/>Condition : AVG_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 12</p></div> |



| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH09 2452MHz - R                                                                                                                                                                                                      |             |
| 1    | Vertical                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 12</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 12</p></div> | Left blank  |



2.4GHz 2400~2483.5MHz  
WIFI 802.11b (Harmonic @ 3m)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11b CH01 2412MHz                                                                                                                                                                                                            |                                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 1</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 1</p></div> |



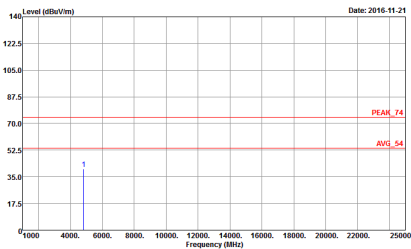
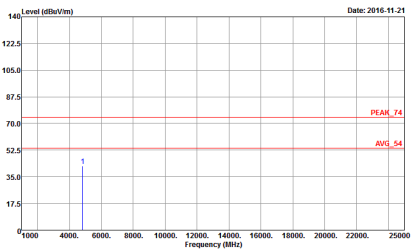
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11b CH06 2437MHz                                                                                                                                                                                             |                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-21</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-21</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 2</p></div> |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11b CH11 2462MHz                                                                                                                                                                                             |                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-21</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-21</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 3</p></div> |



2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Harmonic @ 3m)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11g CH01 2412MHz                                                                                                                                                                                                            |                                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 4</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 4</p></div> |



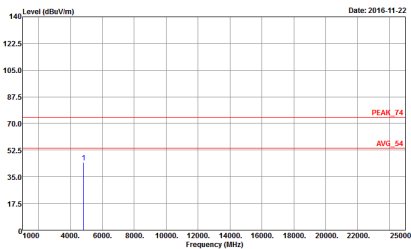
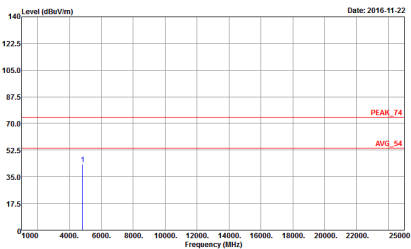
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11g CH06 2437MHz                                                                                                                                                                                             |                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-21</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 5</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-21</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 5</p></div> |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11g CH11 2462MHz                                                                                                                                                                                             |                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-22</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-22</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 6</p></div> |



2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH01 2412MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 7</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 7</p></div> |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH06 2437MHz                                                                                                                                                                                        |                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-22</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 8</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-22</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 8</p></div> |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                              |                                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH11 2462MHz                                                                                                                                                                                        |                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-22</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 9</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-22</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 9</p></div> |



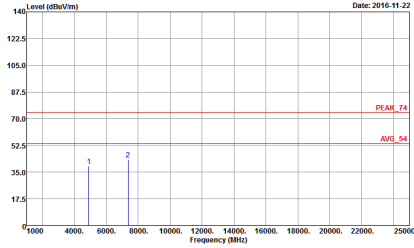
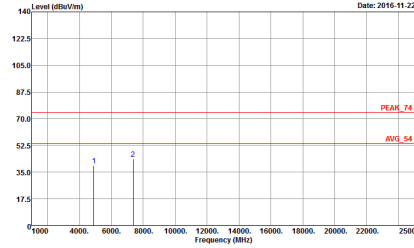
2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                  |                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH03 2422MHz                                                                                                            |                                                                                                                                    |
| 1            | Horizontal                                                                                                                           | Vertical                                                                                                                           |
| Peak<br>Avg. | <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p> | <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 10</p> |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH06 2437MHz                                                                                                                                                                                         |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-22</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 11</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2016-11-22</p><p>Frequency (MHz)</p><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 11</p></div> |



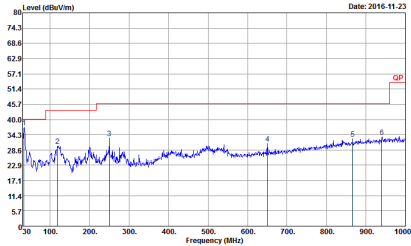
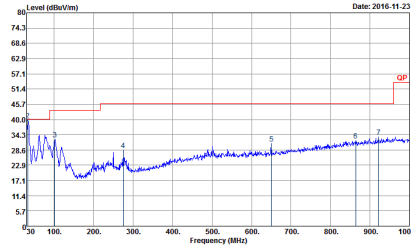
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                                 |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH09 2452MHz                                                                                                                                                                                                        |                                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 12</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 600709<br/>Mode : 12</p></div> |



2.4GHz 2400~2483.5MHz

Emission below 1GHz

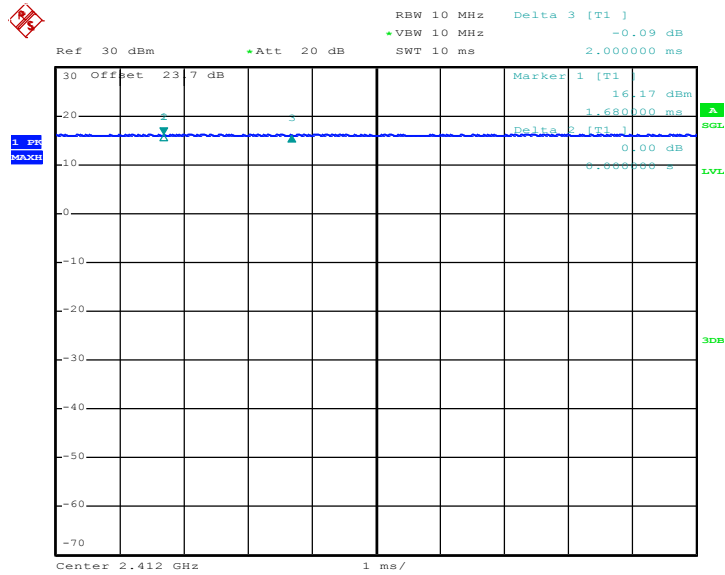
2.4GHz WIFI 802.11n HT40 (LF)

| WIFI         | 2.4GHz 2400~2483.5MHz                                                                                                                                                                               |                                                                                                                                                                                                    |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 LF                                                                                                                                                                                     |                                                                                                                                                                                                    |
| 1+2          | Horizontal                                                                                                                                                                                          | Vertical                                                                                                                                                                                           |
| QP /<br>Peak |  <p>Site : 03CH07-HY<br/>Condition : QP 3m LF-ANT-35419(6) HORIZONTAL<br/>Detector : Peak<br/>Project : 600709</p> |  <p>Site : 03CH07-HY<br/>Condition : QP 3m LF-ANT-35419(6) VERTICAL<br/>Detector : Peak<br/>Project : 600709</p> |
|              |                                                                                                                                                                                                     |                                                                                                                                                                                                    |

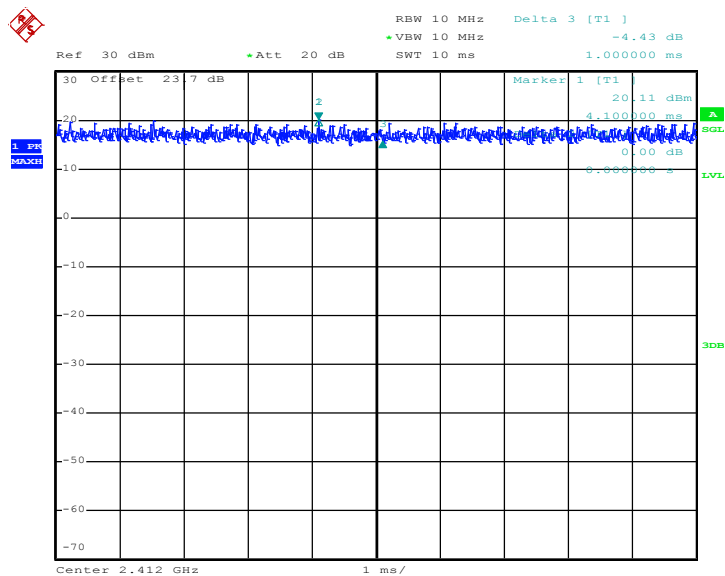


## Appendix D. Duty Cycle Plots

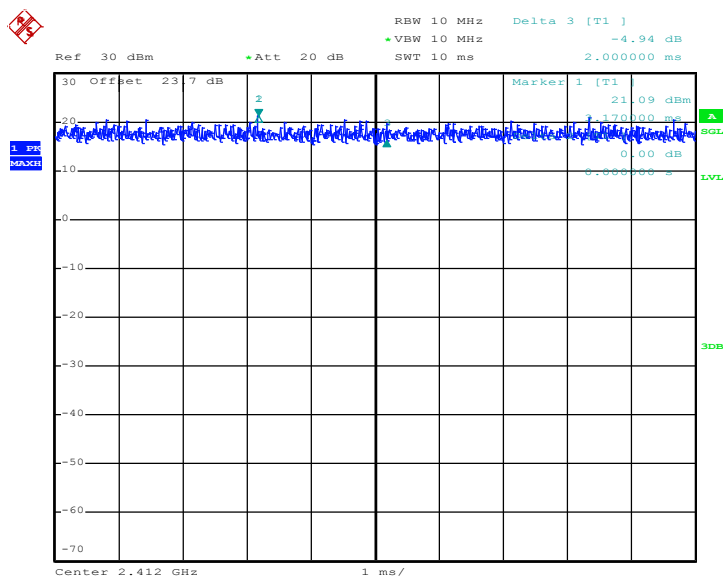
| Antenna | Band                           | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---------|--------------------------------|---------------|-------|----------|-------------|
| 1+2     | 802.11b for Ant. 1             | 100           | -     | -        | 10Hz        |
| 1+2     | 802.11b for Ant. 2             | 100           | -     | -        |             |
| 1+2     | 802.11g for Ant. 1             | 100           | -     | -        |             |
| 1+2     | 802.11g for Ant. 2             | 100           | -     | -        |             |
| 1+2     | 2.4GHz 802.11n HT20 for Ant. 1 | 100           | -     | -        |             |
| 1+2     | 2.4GHz 802.11n HT20 for Ant. 2 | 100           | -     | -        |             |
| 1+2     | 2.4GHz 802.11n HT40 for Ant. 1 | 100           | -     | -        |             |
| 1+2     | 2.4GHz 802.11n HT40 for Ant. 2 | 100           | -     | -        |             |

**MIMO <Ant. 1+2 (1)>**
**802.11b**


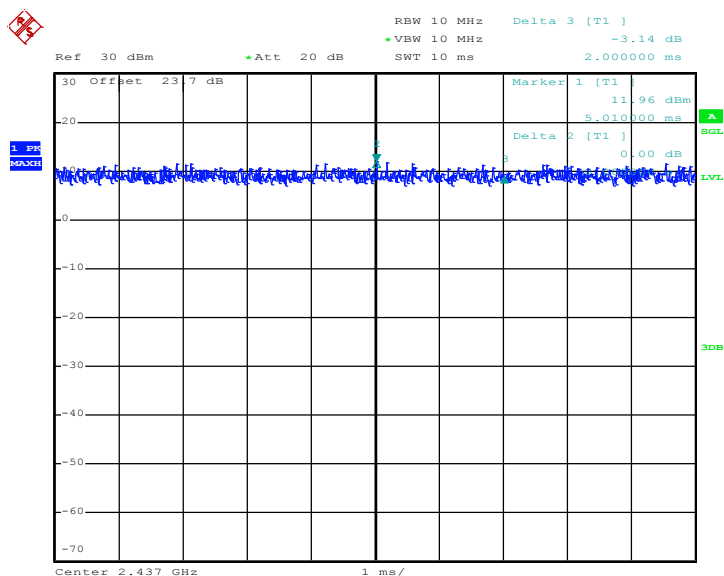
Date: 23.NOV.2016 19:58:05

**802.11g**


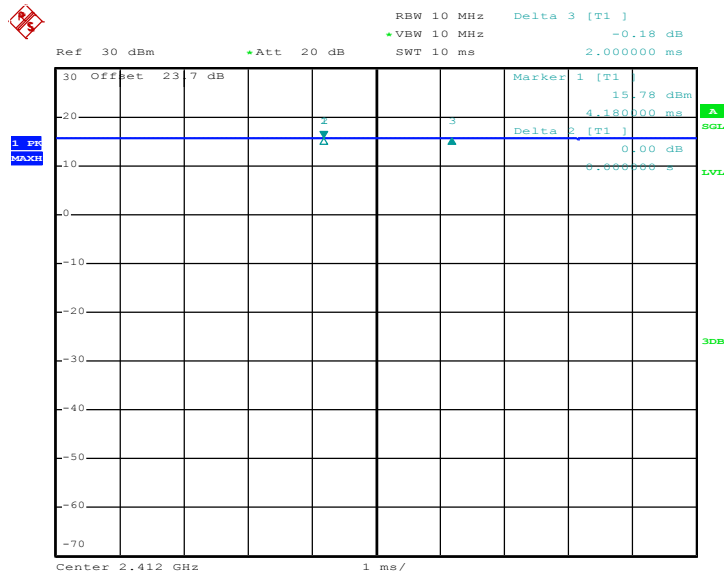
Date: 23.NOV.2016 20:02:27

**802.11n HT20**


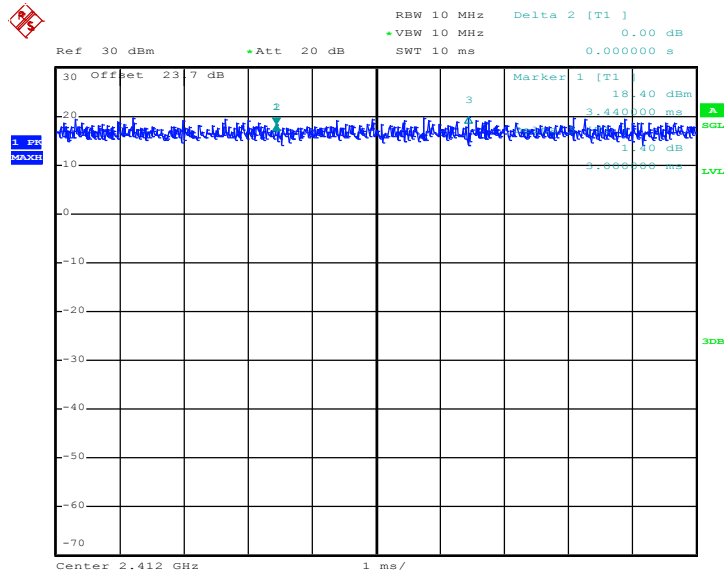
Date: 23.NOV.2016 20:07:52

**802.11n HT40**


Date: 23.NOV.2016 20:14:59

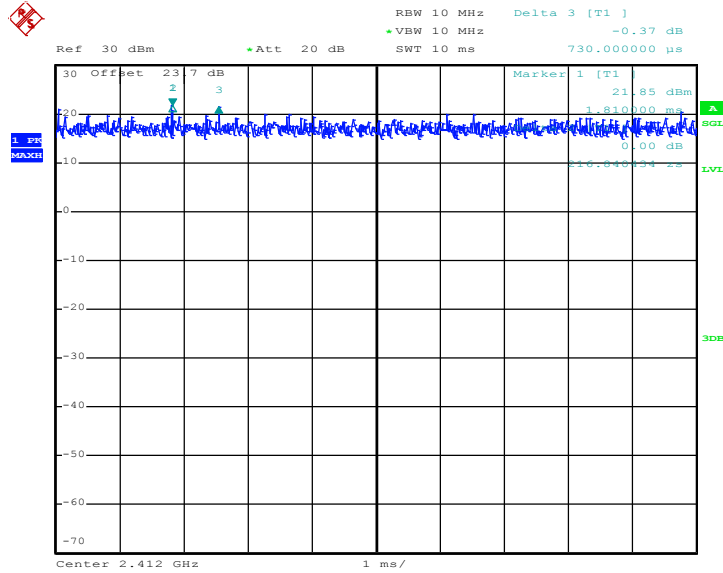
**MIMO <Ant. 1+2 (2)>**
**802.11b**


Date: 23.NOV.2016 19:58:25

**802.11g**


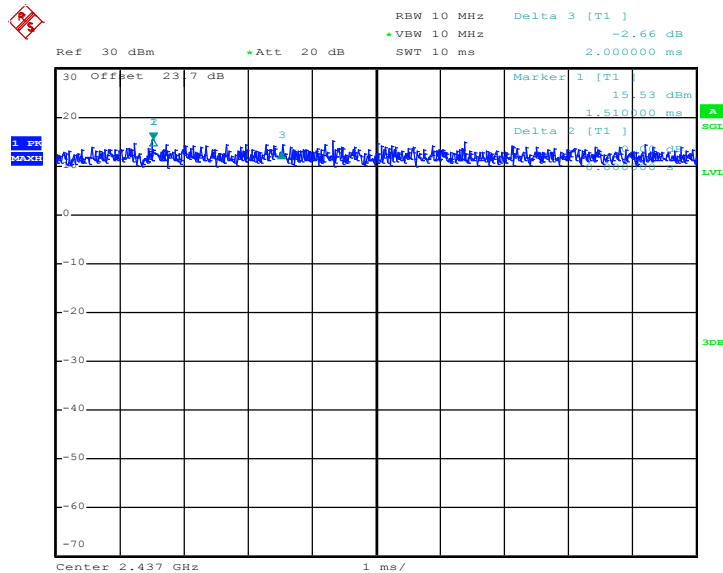
Date: 23.NOV.2016 20:01:58

### 802.11n HT20



Date: 23.NOV.2016 20:09:11

### 802.11n HT40



Date: 23.NOV.2016 20:54:25



## Appendix E. Conducted Spurious Emission in the Restricted Band

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Engineer : | Citta Ke | Temperature :       | 23~25°C |
|                 |          | Relative Humidity : | 47~49%  |

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2(1)      | Note | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-----------------------------|------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11b<br>CH 01<br>2412MHz |      | 2369.4               | -32.52           | -11.32                  | -21.2                    | -39.5                    | 1                           | 2.97                    |                            | 3.01                    |  | P                     |  |
|                             |      | 2373.18              | -41.79           | -0.59                   | -41.2                    | -48.77                   | 1                           | 2.97                    |                            | 3.01                    |  | A                     |  |
|                             | *    | 2412                 | 10.48            | -                       | -                        | 3.46                     | 1                           | 3.01                    |                            | 3.01                    |  | P                     |  |
|                             | *    | 2412                 | 7.79             | -                       | -                        | 0.77                     | 1                           | 3.01                    |                            | 3.01                    |  | A                     |  |
|                             |      | 2485.02              | -38.99           | -17.79                  | -21.2                    | -46.05                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                             |      | 2483.48              | -51.71           | -10.51                  | -41.2                    | -58.77                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11b<br>CH 06<br>2437MHz |      | 2389.92              | -33.45           | -12.25                  | -21.2                    | -40.44                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                             |      | 2389.11              | -43.14           | -1.94                   | -41.2                    | -50.13                   | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                             | *    | 2437                 | 12.64            | -                       | -                        | 5.61                     | 1                           | 3.02                    |                            | 3.01                    |  | P                     |  |
|                             | *    | 2437                 | 9.95             | -                       | -                        | 2.92                     | 1                           | 3.02                    |                            | 3.01                    |  | A                     |  |
|                             |      | 2484.74              | -32.25           | -11.05                  | -21.2                    | -39.31                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                             |      | 2484.74              | -41.37           | -0.17                   | -41.2                    | -48.43                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|-------|--------|---|------|--|------|--|---|--|
| <b>802.11b</b><br><b>CH 11</b><br><b>2462MHz</b> |                                                                                             | 2375.07  | -43.46 | -22.26 | -21.2 | -50.44 | 1 | 2.97 |  | 3.01 |  | P |  |
|                                                  |                                                                                             | 2324.985 | -49.01 | -7.81  | -41.2 | -55.96 | 1 | 2.94 |  | 3.01 |  | A |  |
|                                                  | *                                                                                           | 2462     | 10.96  | -      | -     | 3.92   | 1 | 3.03 |  | 3.01 |  | P |  |
|                                                  | *                                                                                           | 2462     | 8.16   | -      | -     | 1.12   | 1 | 3.03 |  | 3.01 |  | A |  |
|                                                  |                                                                                             | 2499.79  | -31.48 | -10.28 | -21.2 | -38.54 | 1 | 3.05 |  | 3.01 |  | P |  |
|                                                  |                                                                                             | 2498.67  | -41.76 | -0.56  | -41.2 | -48.82 | 1 | 3.05 |  | 3.01 |  | A |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |       |        |   |      |  |      |  |   |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Harmonic @ 3m)

| WIFI<br>Ant.<br>1+2(1)      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11b<br>CH 01<br>2412MHz |                                                                                             | 4824                 | -55.24           | -34.04                  | -21.2                    | -33.51                   | 1                           | 4.41                    | 30.15                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11b<br>CH 06<br>2437MHz |                                                                                             | 4874                 | -53.66           | -32.46                  | -21.2                    | -31.98                   | 1                           | 4.44                    | 30.13                      | 3.01                    |  | P                     |  |
|                             |                                                                                             | 7311                 | -56.84           | -35.64                  | -21.2                    | -35.45                   | 1                           | 5.87                    | 31.27                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11b<br>CH 11<br>2462MHz |                                                                                             | 4924                 | -63.28           | -42.08                  | -21.2                    | -41.65                   | 1                           | 4.47                    | 30.11                      | 3.01                    |  | P                     |  |
|                             |                                                                                             | 7386                 | -61.83           | -40.63                  | -21.2                    | -40.42                   | 1                           | 5.89                    | 31.31                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |

**2.4GHz 2400~2483.5MHz****WIFI 802.11g (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2(1)      | Note | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-----------------------------|------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11g<br>CH 01<br>2412MHz |      | 2371.56              | -31.68           | -10.48                  | -21.2                    | -38.66                   | 1                           | 2.97                    |                            | 3.01                    |  | P                     |  |
|                             |      | 2369.94              | -41.69           | -0.49                   | -41.2                    | -48.67                   | 1                           | 2.97                    |                            | 3.01                    |  | A                     |  |
|                             | *    | 2414                 | 10.65            | -                       | -                        | 3.63                     | 1                           | 3.01                    |                            | 3.01                    |  | P                     |  |
|                             | *    | 2412                 | 3.52             | -                       | -                        | -3.5                     | 1                           | 3.01                    |                            | 3.01                    |  | A                     |  |
|                             |      | 2495.24              | -37.98           | -16.78                  | -21.2                    | -45.04                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                             |      | 2499.93              | -50.11           | -8.91                   | -41.2                    | -57.17                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11g<br>CH 06<br>2437MHz |      | 2388.705             | -33.08           | -11.88                  | -21.2                    | -40.07                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                             |      | 2389.65              | -43.5            | -2.3                    | -41.2                    | -50.49                   | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                             | *    | 2437                 | 10.62            | -                       | -                        | 3.59                     | 1                           | 3.02                    |                            | 3.01                    |  | P                     |  |
|                             | *    | 2437                 | 3.35             | -                       | -                        | -3.68                    | 1                           | 3.02                    |                            | 3.01                    |  | A                     |  |
|                             |      | 2483.69              | -31.46           | -10.26                  | -21.2                    | -38.52                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                             |      | 2483.76              | -41.72           | -0.52                   | -41.2                    | -48.78                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|-------|--------|---|------|--|------|--|---|--|
| <b>802.11g<br/>CH 11<br/>2462MHz</b> |                                                                                             | 2389.11  | -41.85 | -20.65 | -21.2 | -48.84 | 1 | 2.98 |  | 3.01 |  | P |  |
|                                      |                                                                                             | 2324.985 | -48.78 | -7.58  | -41.2 | -55.73 | 1 | 2.94 |  | 3.01 |  | A |  |
|                                      | *                                                                                           | 2462     | 11.5   | -      | -     | 4.46   | 1 | 3.03 |  | 3.01 |  | P |  |
|                                      | *                                                                                           | 2462     | 4.18   | -      | -     | -2.86  | 1 | 3.03 |  | 3.01 |  | A |  |
|                                      |                                                                                             | 2484.04  | -31.15 | -9.95  | -21.2 | -38.21 | 1 | 3.05 |  | 3.01 |  | P |  |
|                                      |                                                                                             | 2498.88  | -41.45 | -0.25  | -41.2 | -48.51 | 1 | 3.05 |  | 3.01 |  | A |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |       |        |   |      |  |      |  |   |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11g (Harmonic @ 3m)

| WIFI<br>Ant.<br>1+2(1)      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11g<br>CH 01<br>2412MHz |                                                                                             | 4824                 | -58.97           | -37.77                  | -21.2                    | -37.24                   | 1                           | 4.41                    | 30.15                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11g<br>CH 06<br>2437MHz |                                                                                             | 4874                 | -60.52           | -39.32                  | -21.2                    | -38.84                   | 1                           | 4.44                    | 30.13                      | 3.01                    |  | P                     |  |
|                             |                                                                                             | 7311                 | -62.18           | -40.98                  | -21.2                    | -40.79                   | 1                           | 5.87                    | 31.27                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11g<br>CH 11<br>2462MHz |                                                                                             | 4924                 | -64.61           | -43.41                  | -21.2                    | -42.98                   | 1                           | 4.47                    | 30.11                      | 3.01                    |  | P                     |  |
|                             |                                                                                             | 7386                 | -55.02           | -33.82                  | -21.2                    | -33.61                   | 1                           | 5.89                    | 31.31                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |

**2.4GHz 2400~2483.5MHz****WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2(1)              | Note | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-------------------------------------|------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |      | 2373.45              | -30.28           | -9.08                   | -21.2                    | -37.26                   | 1                           | 2.97                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2370.075             | -41.34           | -0.14                   | -41.2                    | -48.32                   | 1                           | 2.97                    |                            | 3.01                    |  | A                     |  |
|                                     | *    | 2412                 | 11.74            | -                       | -                        | 4.72                     | 1                           | 3.01                    |                            | 3.01                    |  | P                     |  |
|                                     | *    | 2412                 | 3.94             | -                       | -                        | -3.08                    | 1                           | 3.01                    |                            | 3.01                    |  | A                     |  |
|                                     |      | 2495.52              | -38.41           | -17.21                  | -21.2                    | -45.47                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2499.44              | -49.54           | -8.34                   | -41.2                    | -56.6                    | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |      | 2388.57              | -32.65           | -11.45                  | -21.2                    | -39.64                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2389.11              | -43.64           | -2.44                   | -41.2                    | -50.63                   | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                                     | *    | 2437                 | 10.96            | -                       | -                        | 3.93                     | 1                           | 3.02                    |                            | 3.01                    |  | P                     |  |
|                                     | *    | 2437                 | 3.71             | -                       | -                        | -3.32                    | 1                           | 3.02                    |                            | 3.01                    |  | A                     |  |
|                                     |      | 2484.04              | -30.92           | -9.72                   | -21.2                    | -37.98                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2483.51              | -41.49           | -0.29                   | -41.2                    | -48.55                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



|                                                                 |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|-------|--------|---|------|--|------|--|---|--|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 11</b><br><b>2462MHz</b> |                                                                                             | 2388.705 | -41.96 | -20.76 | -21.2 | -48.95 | 1 | 2.98 |  | 3.01 |  | P |  |
|                                                                 |                                                                                             | 2325.12  | -49.03 | -7.83  | -41.2 | -55.98 | 1 | 2.94 |  | 3.01 |  | A |  |
|                                                                 | *                                                                                           | 2462     | 12     | -      | -     | 4.96   | 1 | 3.03 |  | 3.01 |  | P |  |
|                                                                 | *                                                                                           | 2462     | 4.05   | -      | -     | -2.99  | 1 | 3.03 |  | 3.01 |  | A |  |
|                                                                 |                                                                                             | 2497.9   | -31.82 | -10.62 | -21.2 | -38.88 | 1 | 3.05 |  | 3.01 |  | P |  |
|                                                                 |                                                                                             | 2499.93  | -41.68 | -0.48  | -41.2 | -48.74 | 1 | 3.05 |  | 3.01 |  | A |  |
|                                                                 |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                                 |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                                 |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                                 |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                                 |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
| <b>Remark</b>                                                   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |       |        |   |      |  |      |  |   |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI<br>Ant.<br>1+2(1)              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |                                                                                             | 4824                 | -56.25           | -35.05                  | -21.2                    | -34.52                   | 1                           | 4.41                    | 30.15                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |                                                                                             | 4874                 | -58.51           | -37.31                  | -21.2                    | -36.83                   | 1                           | 4.44                    | 30.13                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7311                 | -58.93           | -37.73                  | -21.2                    | -37.54                   | 1                           | 5.87                    | 31.27                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT20<br>CH 11<br>2462MHz |                                                                                             | 4924                 | -63.51           | -42.31                  | -21.2                    | -41.88                   | 1                           | 4.47                    | 30.11                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7386                 | -52.56           | -31.36                  | -21.2                    | -31.15                   | 1                           | 5.89                    | 31.31                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2(1)              | Note | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-------------------------------------|------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11n<br>HT40<br>CH 03<br>2422MHz |      | 2386.005             | -31.16           | -9.96                   | -21.2                    | -38.15                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2389.515             | -41.36           | -0.16                   | -41.2                    | -48.35                   | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                                     | *    | 2422                 | 9.91             | -                       | -                        | 2.89                     | 1                           | 3.01                    |                            | 3.01                    |  | P                     |  |
|                                     | *    | 2422                 | 1.75             | -                       | -                        | -5.27                    | 1                           | 3.01                    |                            | 3.01                    |  | A                     |  |
|                                     |      | 2486.42              | -36.46           | -15.26                  | -21.2                    | -43.52                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2483.62              | -47.22           | -6.02                   | -41.2                    | -54.28                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT40<br>CH 06<br>2437MHz |      | 2388.57              | -32.53           | -11.33                  | -21.2                    | -39.52                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2389.515             | -43.12           | -1.92                   | -41.2                    | -50.11                   | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                                     | *    | 2436                 | 11.18            | -                       | -                        | 4.15                     | 1                           | 3.02                    |                            | 3.01                    |  | P                     |  |
|                                     | *    | 2436                 | 3.15             | -                       | -                        | -3.88                    | 1                           | 3.02                    |                            | 3.01                    |  | A                     |  |
|                                     |      | 2487.47              | -30.55           | -9.35                   | -21.2                    | -37.61                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2484.53              | -41.51           | -0.31                   | -41.2                    | -48.57                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|-----------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|-------|--------|---|------|--|------|--|---|--|
| <b>802.11n<br/>HT40<br/>CH 09<br/>2452MHz</b> |                                                                                             | 2387.76  | -39.26 | -18.06 | -21.2 | -46.25 | 1 | 2.98 |  | 3.01 |  | P |  |
|                                               |                                                                                             | 2324.985 | -48.34 | -7.14  | -41.2 | -55.29 | 1 | 2.94 |  | 3.01 |  | A |  |
|                                               | *                                                                                           | 2452     | 10.14  | -      | -     | 3.1    | 1 | 3.03 |  | 3.01 |  | P |  |
|                                               | *                                                                                           | 2452     | 1.1    | -      | -     | -5.94  | 1 | 3.03 |  | 3.01 |  | A |  |
|                                               |                                                                                             | 2487.61  | -31.42 | -10.22 | -21.2 | -38.48 | 1 | 3.05 |  | 3.01 |  | P |  |
|                                               |                                                                                             | 2486.91  | -43.03 | -1.83  | -41.2 | -50.09 | 1 | 3.05 |  | 3.01 |  | A |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
| <b>Remark</b>                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |       |        |   |      |  |      |  |   |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI<br>Ant.<br>1+2(1)              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11n<br>HT40<br>CH 03<br>2422MHz |                                                                                             | 4844                 | -61.96           | -40.76                  | -21.2                    | -40.24                   | 1                           | 4.42                    | 30.15                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7266                 | -57.76           | -36.56                  | -21.2                    | -36.37                   | 1                           | 5.86                    | 31.26                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT40<br>CH 06<br>2437MHz |                                                                                             | 4874                 | -59.18           | -37.98                  | -21.2                    | -37.5                    | 1                           | 4.44                    | 30.13                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7311                 | -57.82           | -36.62                  | -21.2                    | -36.43                   | 1                           | 5.87                    | 31.27                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT40<br>CH 09<br>2452MHz |                                                                                             | 4904                 | -63.54           | -42.34                  | -21.2                    | -41.88                   | 1                           | 4.45                    | 30.12                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7356                 | -64.7            | -43.5                   | -21.2                    | -43.3                    | 1                           | 5.89                    | 31.3                       | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



## 2.4GHz 2400~2483.5MHz

## Emission below 1GHz

## 2.4GHz WIFI 802.11n HT20 (LF)

| WIFI Ant.                       | Note                                                                       | Frequency | Level   | Over Limit | Limit Line | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Aux Factor |  | Peak Avg. |  |
|---------------------------------|----------------------------------------------------------------------------|-----------|---------|------------|------------|------------|----------------|------------|---------------|------------|--|-----------|--|
| 1+2(1)                          |                                                                            | ( MHz )   | ( dBm ) | ( dB )     | ( dBm )    | ( dBm )    | ( dB )         | ( dB )     | ( dB )        | ( dB )     |  | (P/A)     |  |
| 2.4GHz<br>802.11n<br>HT20<br>LF |                                                                            | 37.02     | -76.57  | -21.37     | -55.2      | -48.55     | 1              | 0.28       | 32.31         | 3.01       |  | P         |  |
|                                 |                                                                            | 106.95    | -88.08  | -36.38     | -51.7      | -60.36     | 1              | 0.46       | 32.19         | 3.01       |  | P         |  |
|                                 |                                                                            | 153.39    | -88.85  | -37.15     | -51.7      | -61.3      | 1              | 0.65       | 32.21         | 3.01       |  | P         |  |
|                                 |                                                                            | 650       | -85.12  | -35.92     | -49.2      | -58.37     | 1              | 1.42       | 32.18         | 3.01       |  | P         |  |
|                                 |                                                                            | 775.3     | -71.29  | -22.09     | -49.2      | -44.85     | 1              | 1.55       | 32            | 3.01       |  | P         |  |
|                                 |                                                                            | 974.8     | -71.04  | -29.84     | -41.2      | -46.09     | 1              | 1.8        | 30.76         | 3.01       |  | P         |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                                 |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
| Remark                          | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |         |            |            |            |                |            |               |            |  |           |  |



**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>over limit</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:

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1       |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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. Over Limit(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) + Cable 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. Over Limit(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”.**



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Band Edge @ 3m)

|                             | Note | Frequency | Level   | Over   | Limit   | Read    | Antenna | Cable  | Preamp | Aux    |  | Peak  |  |
|-----------------------------|------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|--|-------|--|
| Ant.                        |      |           |         | Limit  | Line    | Level   | Factor  | Loss   | Factor | Factor |  | Avg.  |  |
| 1+2(2)                      |      | ( MHz )   | ( dBm ) | ( dB ) | ( dBm ) | ( dBm ) | ( dB )  | ( dB ) | ( dB ) | ( dB ) |  | (P/A) |  |
| 802.11b<br>CH 01<br>2412MHz |      | 2372.91   | -31.8   | -10.6  | -21.2   | -38.78  | 1       | 2.97   |        | 3.01   |  | P     |  |
|                             |      | 2373.45   | -41.62  | -0.42  | -41.2   | -48.6   | 1       | 2.97   |        | 3.01   |  | A     |  |
|                             | *    | 2412      | 12.24   | -      | -       | 5.22    | 1       | 3.01   |        | 3.01   |  | P     |  |
|                             | *    | 2412      | 9.56    | -      | -       | 2.54    | 1       | 3.01   |        | 3.01   |  | A     |  |
|                             |      | 2489.29   | -43.08  | -21.88 | -21.2   | -50.14  | 1       | 3.05   |        | 3.01   |  | P     |  |
|                             |      | 2498.18   | -55.01  | -13.81 | -41.2   | -62.07  | 1       | 3.05   |        | 3.01   |  | A     |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
| 802.11b<br>CH 06<br>2437MHz |      | 2389.785  | -32.56  | -11.36 | -21.2   | -39.55  | 1       | 2.98   |        | 3.01   |  | P     |  |
|                             |      | 2389.245  | -41.73  | -0.53  | -41.2   | -48.72  | 1       | 2.98   |        | 3.01   |  | A     |  |
|                             | *    | 2436      | 12.84   | -      | -       | 5.81    | 1       | 3.02   |        | 3.01   |  | P     |  |
|                             | *    | 2437      | 10.04   | -      | -       | 3.01    | 1       | 3.02   |        | 3.01   |  | A     |  |
|                             |      | 2484.81   | -35.6   | -14.4  | -21.2   | -42.66  | 1       | 3.05   |        | 3.01   |  | P     |  |
|                             |      | 2484.95   | -46     | -4.8   | -41.2   | -53.06  | 1       | 3.05   |        | 3.01   |  | A     |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |
|                             |      |           |         |        |         |         |         |        |        |        |  |       |  |



|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|-------|--------|---|------|--|------|--|---|--|
| <b>802.11b<br/>CH 11<br/>2462MHz</b> |                                                                                             | 2389.515 | -38.74 | -17.54 | -21.2 | -45.73 | 1 | 2.98 |  | 3.01 |  | P |  |
|                                      |                                                                                             | 2376.15  | -50.47 | -9.27  | -41.2 | -57.46 | 1 | 2.98 |  | 3.01 |  | A |  |
|                                      | *                                                                                           | 2462     | 13.8   | -      | -     | 6.76   | 1 | 3.03 |  | 3.01 |  | P |  |
|                                      | *                                                                                           | 2462     | 11.08  | -      | -     | 4.04   | 1 | 3.03 |  | 3.01 |  | A |  |
|                                      |                                                                                             | 2498.25  | -32.51 | -11.31 | -21.2 | -39.57 | 1 | 3.05 |  | 3.01 |  | P |  |
|                                      |                                                                                             | 2500     | -41.32 | -0.12  | -41.2 | -48.38 | 1 | 3.05 |  | 3.01 |  | A |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                      |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |       |        |   |      |  |      |  |   |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Harmonic @ 3m)

| Ant.<br>1+2(2)              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11b<br>CH 01<br>2412MHz |                                                                                             | 4824                 | -48.53           | -27.33                  | -21.2                    | -26.8                    | 1                           | 4.41                    | 30.15                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11b<br>CH 06<br>2437MHz |                                                                                             | 4874                 | -50.09           | -28.89                  | -21.2                    | -28.41                   | 1                           | 4.44                    | 30.13                      | 3.01                    |  | P                     |  |
|                             |                                                                                             | 7311                 | -54.51           | -33.31                  | -21.2                    | -33.12                   | 1                           | 5.87                    | 31.27                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11b<br>CH 11<br>2462MHz |                                                                                             | 4924                 | -58.87           | -37.67                  | -21.2                    | -37.24                   | 1                           | 4.47                    | 30.11                      | 3.01                    |  | P                     |  |
|                             |                                                                                             | 7386                 | -52.33           | -31.13                  | -21.2                    | -30.92                   | 1                           | 5.89                    | 31.31                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |

**2.4GHz 2400~2483.5MHz****WIFI 802.11g (Band Edge @ 3m)**

| Ant.<br>1+2(2)                       | Note | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|--------------------------------------|------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| <b>802.11g<br/>CH 01<br/>2412MHz</b> |      | 2371.155             | -30.69           | -9.49                   | -21.2                    | -37.67                   | 1                           | 2.97                    |                            | 3.01                    |  | P                     |  |
|                                      |      | 2370.075             | -41.72           | -0.52                   | -41.2                    | -48.7                    | 1                           | 2.97                    |                            | 3.01                    |  | A                     |  |
|                                      | *    | 2412                 | 14.12            | -                       | -                        | 7.1                      | 1                           | 3.01                    |                            | 3.01                    |  | P                     |  |
|                                      | *    | 2412                 | 5.26             | -                       | -                        | -1.76                    | 1                           | 3.01                    |                            | 3.01                    |  | A                     |  |
|                                      |      | 2496.5               | -42.91           | -21.71                  | -21.2                    | -49.97                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                      |      | 2498.39              | -53.3            | -12.1                   | -41.2                    | -60.36                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| <b>802.11g<br/>CH 06<br/>2437MHz</b> |      | 2389.65              | -30.94           | -9.74                   | -21.2                    | -37.93                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                                      |      | 2390.055             | -41.82           | -0.62                   | -41.2                    | -48.81                   | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                                      | *    | 2436                 | 12.83            | -                       | -                        | 5.8                      | 1                           | 3.02                    |                            | 3.01                    |  | P                     |  |
|                                      | *    | 2436                 | 4.86             | -                       | -                        | -2.17                    | 1                           | 3.02                    |                            | 3.01                    |  | A                     |  |
|                                      |      | 2483.9               | -34.6            | -13.4                   | -21.2                    | -41.66                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                      |      | 2483.62              | -44.64           | -3.44                   | -41.2                    | -51.7                    | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                      |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|-------|--------|---|------|--|------|--|---|--|
| <b>802.11g</b><br><b>CH 11</b><br><b>2462MHz</b> |                                                                                             | 2376.555 | -38.74 | -17.54 | -21.2 | -45.73 | 1 | 2.98 |  | 3.01 |  | P |  |
|                                                  |                                                                                             | 2374.8   | -48.71 | -7.51  | -41.2 | -55.69 | 1 | 2.97 |  | 3.01 |  | A |  |
|                                                  | *                                                                                           | 2462     | 15.59  | -      | -     | 8.55   | 1 | 3.03 |  | 3.01 |  | P |  |
|                                                  | *                                                                                           | 2462     | 6.41   | -      | -     | -0.63  | 1 | 3.03 |  | 3.01 |  | A |  |
|                                                  |                                                                                             | 2483.97  | -27.02 | -5.82  | -21.2 | -34.08 | 1 | 3.05 |  | 3.01 |  | P |  |
|                                                  |                                                                                             | 2484.11  | -41.35 | -0.15  | -41.2 | -48.41 | 1 | 3.05 |  | 3.01 |  | A |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                                  |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |       |        |   |      |  |      |  |   |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11g (Harmonic @ 3m)

| Ant.<br>1+2(2)              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11g<br>CH 01<br>2412MHz |                                                                                             | 4824                 | -53.88           | -32.68                  | -21.2                    | -32.15                   | 1                           | 4.41                    | 30.15                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11g<br>CH 06<br>2437MHz |                                                                                             | 4874                 | -56.26           | -35.06                  | -21.2                    | -34.58                   | 1                           | 4.44                    | 30.13                      | 3.01                    |  | P                     |  |
|                             |                                                                                             | 7311                 | -56.04           | -34.84                  | -21.2                    | -34.65                   | 1                           | 5.87                    | 31.27                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11g<br>CH 11<br>2462MHz |                                                                                             | 4924                 | -60.3            | -39.1                   | -21.2                    | -38.67                   | 1                           | 4.47                    | 30.11                      | 3.01                    |  | P                     |  |
|                             |                                                                                             | 7386                 | -43.47           | -22.27                  | -21.2                    | -22.06                   | 1                           | 5.89                    | 31.31                      | 3.01                    |  | P                     |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                             |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| Ant.<br>1+2(2)                      | Note | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-------------------------------------|------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |      | 2389.11              | -27.08           | -5.88                   | -21.2                    | -34.07                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2369.265             | -41.64           | -0.44                   | -41.2                    | -48.62                   | 1                           | 2.97                    |                            | 3.01                    |  | A                     |  |
|                                     | *    | 2412                 | 14.68            | -                       | -                        | 7.66                     | 1                           | 3.01                    |                            | 3.01                    |  | P                     |  |
|                                     | *    | 2412                 | 5.67             | -                       | -                        | -1.35                    | 1                           | 3.01                    |                            | 3.01                    |  | A                     |  |
|                                     |      | 2494.82              | -42.64           | -21.44                  | -21.2                    | -49.7                    | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2497.69              | -52.93           | -11.73                  | -41.2                    | -59.99                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |      | 2389.245             | -30.7            | -9.5                    | -21.2                    | -37.69                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2390.055             | -41.51           | -0.31                   | -41.2                    | -48.5                    | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                                     | *    | 2440                 | 13.57            | -                       | -                        | 6.54                     | 1                           | 3.02                    |                            | 3.01                    |  | P                     |  |
|                                     | *    | 2436                 | 4.79             | -                       | -                        | -2.24                    | 1                           | 3.02                    |                            | 3.01                    |  | A                     |  |
|                                     |      | 2483.69              | -33.7            | -12.5                   | -21.2                    | -40.76                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2483.48              | -45.05           | -3.85                   | -41.2                    | -52.11                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|-----------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|-------|--------|---|------|--|------|--|---|--|
| <b>802.11n<br/>HT20<br/>CH 11<br/>2462MHz</b> |                                                                                             | 2374.935 | -40.03 | -18.83 | -21.2 | -47.01 | 1 | 2.97 |  | 3.01 |  | P |  |
|                                               |                                                                                             | 2376.96  | -49.68 | -8.48  | -41.2 | -56.67 | 1 | 2.98 |  | 3.01 |  | A |  |
|                                               | *                                                                                           | 2464     | 15.22  | -      | -     | 8.18   | 1 | 3.03 |  | 3.01 |  | P |  |
|                                               | *                                                                                           | 2464     | 5.33   | -      | -     | -1.71  | 1 | 3.03 |  | 3.01 |  | A |  |
|                                               |                                                                                             | 2484.32  | -28.86 | -7.66  | -21.2 | -35.92 | 1 | 3.05 |  | 3.01 |  | P |  |
|                                               |                                                                                             | 2500     | -43.43 | -2.23  | -41.2 | -50.49 | 1 | 3.05 |  | 3.01 |  | A |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |          |        |        |       |        |   |      |  |      |  |   |  |
| <b>Remark</b>                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |       |        |   |      |  |      |  |   |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Harmonic @ 3m)

| Ant.<br>1+2(2)                      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |                                                                                             | 4824                 | -51.18           | -29.98                  | -21.2                    | -29.45                   | 1                           | 4.41                    | 30.15                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |                                                                                             | 4874                 | -55.29           | -34.09                  | -21.2                    | -33.61                   | 1                           | 4.44                    | 30.13                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7311                 | -55.27           | -34.07                  | -21.2                    | -33.88                   | 1                           | 5.87                    | 31.27                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT20<br>CH 11<br>2462MHz |                                                                                             | 4924                 | -62.78           | -41.58                  | -21.2                    | -41.15                   | 1                           | 4.47                    | 30.11                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7386                 | -45.06           | -23.86                  | -21.2                    | -23.65                   | 1                           | 5.89                    | 31.31                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| Ant.<br>1+2(2)                      | Note | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-------------------------------------|------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11n<br>HT40<br>CH 03<br>2422MHz |      | 2386.95              | -31.36           | -10.16                  | -21.2                    | -38.35                   | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2389.65              | -41.92           | -0.72                   | -41.2                    | -48.91                   | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                                     | *    | 2422                 | 10.45            | -                       | -                        | 3.43                     | 1                           | 3.01                    |                            | 3.01                    |  | P                     |  |
|                                     | *    | 2422                 | 1.2              | -                       | -                        | -5.82                    | 1                           | 3.01                    |                            | 3.01                    |  | A                     |  |
|                                     |      | 2484.39              | -41.55           | -20.35                  | -21.2                    | -48.61                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2483.48              | -52.29           | -11.09                  | -41.2                    | -59.35                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT40<br>CH 06<br>2437MHz |      | 2388.975             | -32.11           | -10.91                  | -21.2                    | -39.1                    | 1                           | 2.98                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2388.975             | -42.31           | -1.11                   | -41.2                    | -49.3                    | 1                           | 2.98                    |                            | 3.01                    |  | A                     |  |
|                                     | *    | 2436                 | 12.78            | -                       | -                        | 5.75                     | 1                           | 3.02                    |                            | 3.01                    |  | P                     |  |
|                                     | *    | 2436                 | 3.16             | -                       | -                        | -3.87                    | 1                           | 3.02                    |                            | 3.01                    |  | A                     |  |
|                                     |      | 2483.69              | -34.67           | -13.47                  | -21.2                    | -41.73                   | 1                           | 3.05                    |                            | 3.01                    |  | P                     |  |
|                                     |      | 2485.09              | -45.37           | -4.17                   | -41.2                    | -52.43                   | 1                           | 3.05                    |                            | 3.01                    |  | A                     |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |      |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



|                                               |                                                                                             |         |        |        |       |        |   |      |  |      |  |   |  |
|-----------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|-------|--------|---|------|--|------|--|---|--|
| <b>802.11n<br/>HT40<br/>CH 09<br/>2452MHz</b> |                                                                                             | 2389.65 | -36.67 | -15.47 | -21.2 | -43.66 | 1 | 2.98 |  | 3.01 |  | P |  |
|                                               |                                                                                             | 2389.92 | -46.78 | -5.58  | -41.2 | -53.77 | 1 | 2.98 |  | 3.01 |  | A |  |
|                                               | *                                                                                           | 2452    | 12.6   | -      | -     | 5.56   | 1 | 3.03 |  | 3.01 |  | P |  |
|                                               | *                                                                                           | 2452    | 3.04   | -      | -     | -4     | 1 | 3.03 |  | 3.01 |  | A |  |
|                                               |                                                                                             | 2484.04 | -30.23 | -9.03  | -21.2 | -37.29 | 1 | 3.05 |  | 3.01 |  | P |  |
|                                               |                                                                                             | 2483.51 | -41.94 | -0.74  | -41.2 | -49    | 1 | 3.05 |  | 3.01 |  | A |  |
|                                               |                                                                                             |         |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |         |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |         |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |         |        |        |       |        |   |      |  |      |  |   |  |
|                                               |                                                                                             |         |        |        |       |        |   |      |  |      |  |   |  |
| <b>Remark</b>                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |       |        |   |      |  |      |  |   |  |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

| Ant.<br>1+2(2)                      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBm ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBm ) | Read<br>Level<br>( dBm ) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Aux<br>Factor<br>( dB ) |  | Peak<br>Avg.<br>(P/A) |  |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|------------------|-------------------------|--------------------------|--------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|--|-----------------------|--|
| 802.11n<br>HT40<br>CH 03<br>2422MHz |                                                                                             | 4844                 | -60.19           | -38.99                  | -21.2                    | -38.47                   | 1                           | 4.42                    | 30.15                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7266                 | -63.15           | -41.95                  | -21.2                    | -41.76                   | 1                           | 5.86                    | 31.26                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT40<br>CH 06<br>2437MHz |                                                                                             | 4874                 | -59.64           | -38.44                  | -21.2                    | -37.96                   | 1                           | 4.44                    | 30.13                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7311                 | -51.61           | -30.41                  | -21.2                    | -30.22                   | 1                           | 5.87                    | 31.27                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| 802.11n<br>HT40<br>CH 09<br>2452MHz |                                                                                             | 4904                 | -57.27           | -36.07                  | -21.2                    | -35.61                   | 1                           | 4.45                    | 30.12                      | 3.01                    |  | P                     |  |
|                                     |                                                                                             | 7356                 | -54.98           | -33.78                  | -21.2                    | -33.58                   | 1                           | 5.89                    | 31.3                       | 3.01                    |  | P                     |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
|                                     |                                                                                             |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                  |                         |                          |                          |                             |                         |                            |                         |  |                       |  |



## 2.4GHz 2400~2483.5MHz

## Emission below 1GHz

## 2.4GHz WIFI 802.11b (LF)

| Ant.                    | Note                                                                       | Frequency | Level   | Over Limit | Limit Line | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Aux Factor |  | Peak Avg. |  |
|-------------------------|----------------------------------------------------------------------------|-----------|---------|------------|------------|------------|----------------|------------|---------------|------------|--|-----------|--|
| 1+2(2)                  |                                                                            | ( MHz )   | ( dBm ) | ( dB )     | ( dBm )    | ( dBm )    | ( dB )         | ( dB )     | ( dB )        | ( dB )     |  | (P/A)     |  |
| 2.4GHz<br>802.11b<br>LF |                                                                            | 47.01     | -83.56  | -28.36     | -55.2      | -55.59     | 1              | 0.29       | 32.27         | 3.01       |  | P         |  |
|                         |                                                                            | 88.05     | -92.74  | -41.04     | -51.7      | -65.01     | 1              | 0.47       | 32.21         | 3.01       |  | P         |  |
|                         |                                                                            | 117.48    | -93.86  | -42.16     | -51.7      | -66.22     | 1              | 0.55       | 32.2          | 3.01       |  | P         |  |
|                         |                                                                            | 578.6     | -87.34  | -38.14     | -49.2      | -60.48     | 1              | 1.33       | 32.2          | 3.01       |  | P         |  |
|                         |                                                                            | 775.3     | -73.84  | -24.64     | -49.2      | -47.4      | 1              | 1.55       | 32            | 3.01       |  | P         |  |
|                         |                                                                            | 829.2     | -79.53  | -30.33     | -49.2      | -53.36     | 1              | 1.62       | 31.8          | 3.01       |  | P         |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
|                         |                                                                            |           |         |            |            |            |                |            |               |            |  |           |  |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |         |            |            |            |                |            |               |            |  |           |  |



**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>over limit</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:

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1       |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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. Over Limit(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) + Cable 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. Over Limit(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 F. Conducted Spurious Emission Plots in the Restricted Band**

|                        |          |                            |         |
|------------------------|----------|----------------------------|---------|
| <b>Test Engineer :</b> | Citta Ke | <b>Temperature :</b>       | 23~25°C |
|                        |          | <b>Relative Humidity :</b> | 47~49%  |

### **Note symbol**

|    |                              |
|----|------------------------------|
| -L | <b>Low channel location</b>  |
| -R | <b>High channel location</b> |

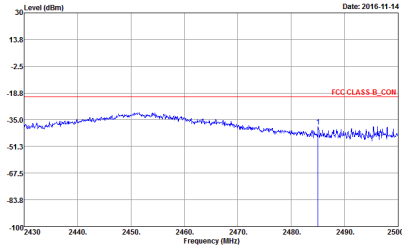
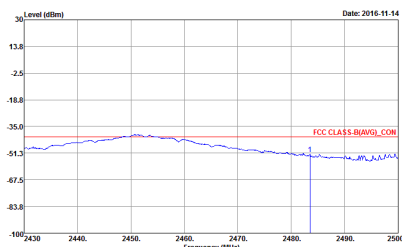


2.4GHz 2400~2483.5MHz

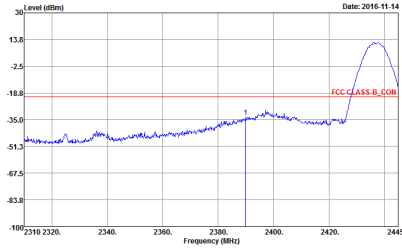
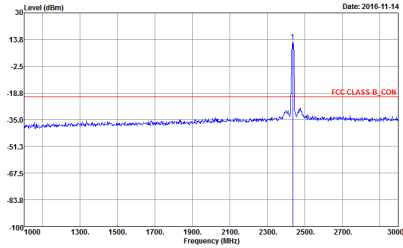
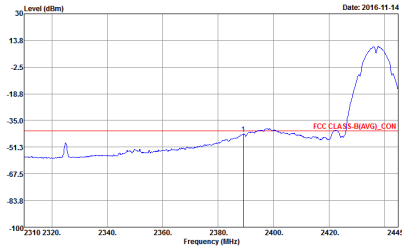
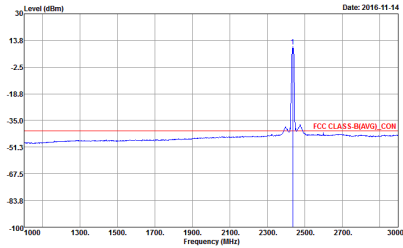
WIFI 802.11b (Band Edge)

| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                          |                                                                                                                                                                                          |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11b CH01 2412MHz - L                                                                                                                                                                 |                                                                                                                                                                                          |
| 1+2(1) | Band Edge                                                                                                                                                                                | Fundamental                                                                                                                                                                              |
| Peak   | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 13.5</p>      | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 13.5</p>      |
| Avg.   | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 13.5</p> | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 13.5</p> |

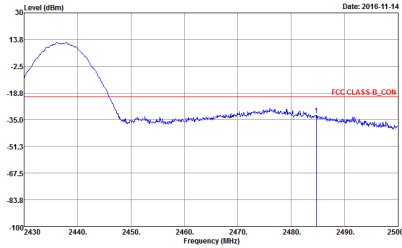
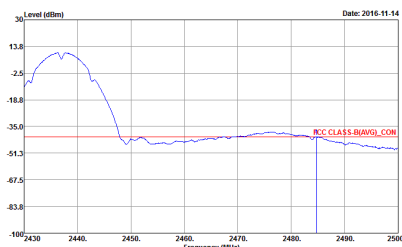


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11b CH01 2412MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch01<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch01<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | Left blank  |

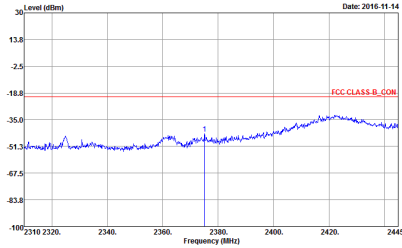
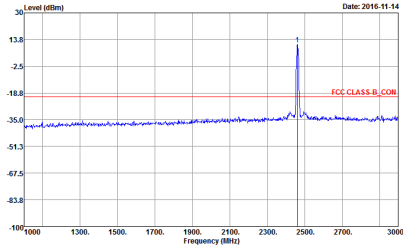
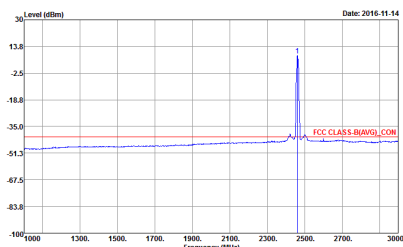


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                         |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11b CH06 2437MHz - L                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                         |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                             |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 15.5</p></div>        | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 15.5</p></div>        |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 15.5</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 15.5</p></div> |

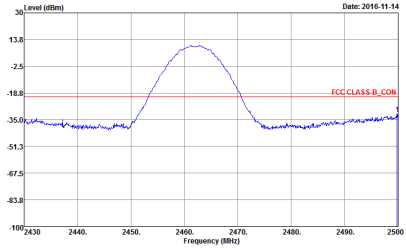
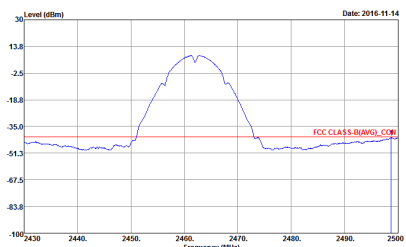


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11b CH06 2437MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch06<br/>ANT : 1+2(1)<br/>Setting : 15.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch06<br/>ANT : 1+2(1)<br/>Setting : 15.5</p></div> | Left blank  |



| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                        |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11b CH11 2462MHz - L                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                        |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                            |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>       | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>       |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> |

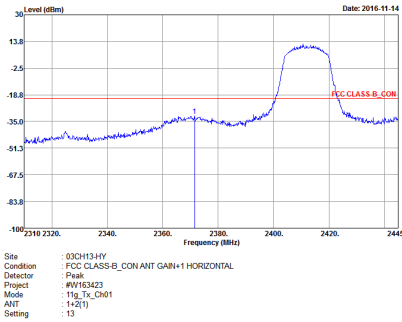
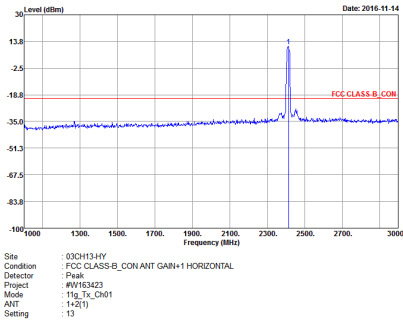
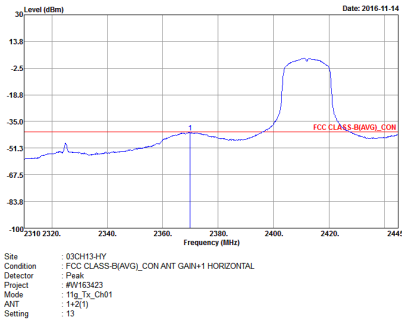
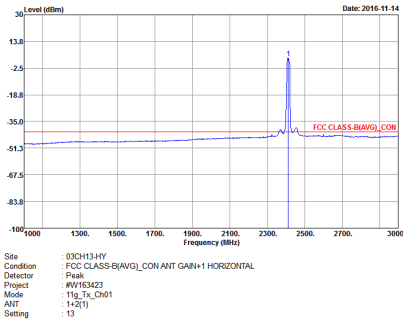


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11b CH11 2462MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | Left blank  |

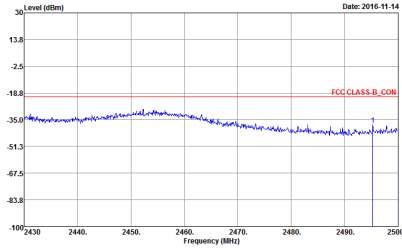
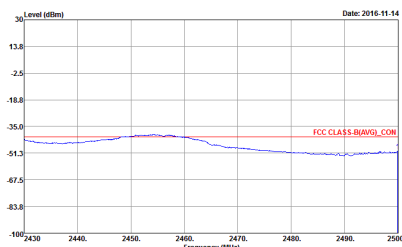


2.4GHz 2400~2483.5MHz

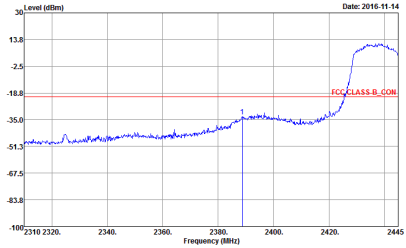
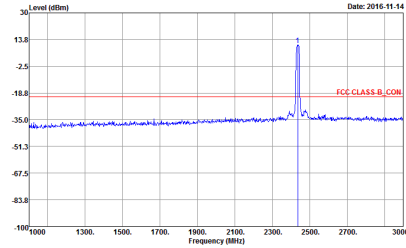
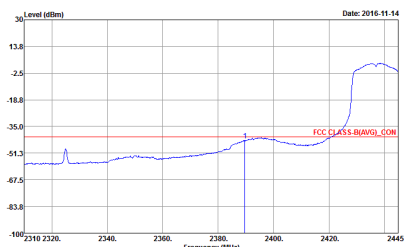
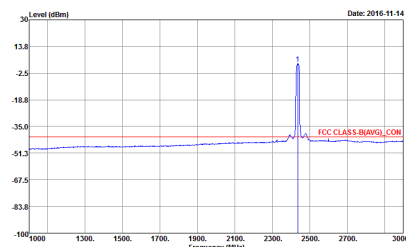
WIFI 802.11g (Band Edge)

| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                     |                                                                                      |
|--------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT    | 802.11g CH01 2412MHz - L                                                            |                                                                                      |
| 1+2(1) | Band Edge                                                                           | Fundamental                                                                          |
| Peak   |    |    |
| Avg.   |  |  |

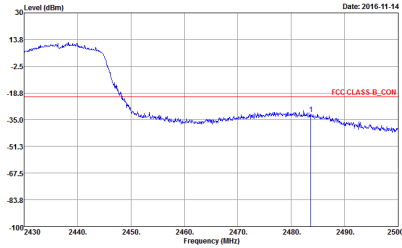
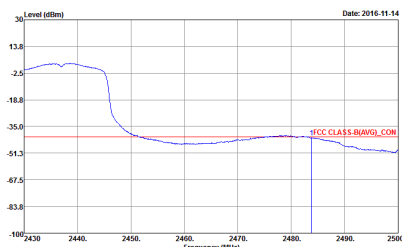


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                      |             |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11g CH01 2412MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                            | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH01<br/>ANT : 1+2(1)<br/>Setting : 13</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH01<br/>ANT : 1+2(1)<br/>Setting : 13</p></div> | Left blank  |

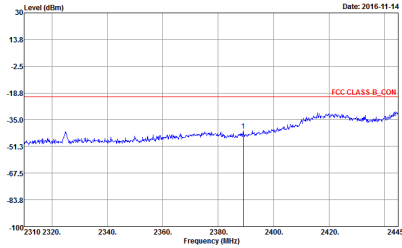
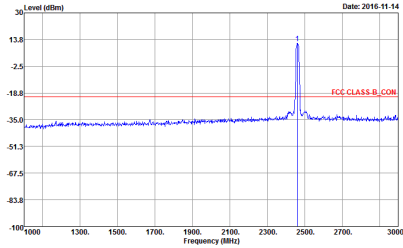
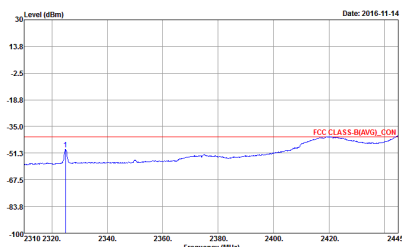
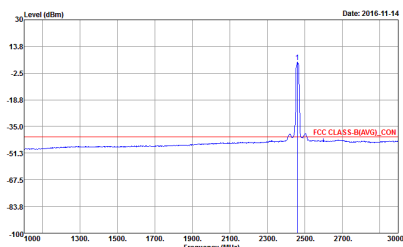


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11g CH06 2437MHz - L                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                   |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                                                                                                                                                       |
| Peak   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-14</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 12.5</p></div>             | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-14</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 12.5</p></div>             |
| Avg.   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-14</p><p>FCC CLASS-B(AVG)_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 12.5</p></div> | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-14</p><p>FCC CLASS-B(AVG)_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 12.5</p></div> |

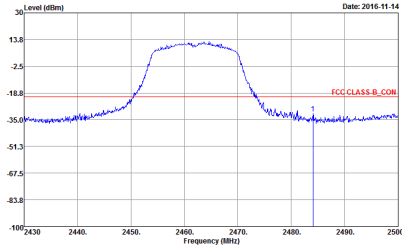
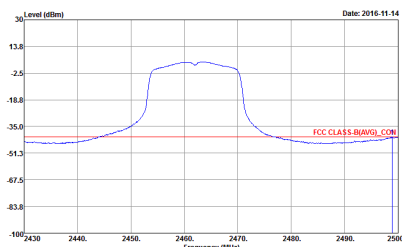


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11g CH06 2437MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch06<br/>ANT : 1+2(1)<br/>Setting : 12.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch06<br/>ANT : 1+2(1)<br/>Setting : 12.5</p></div> | Left blank  |



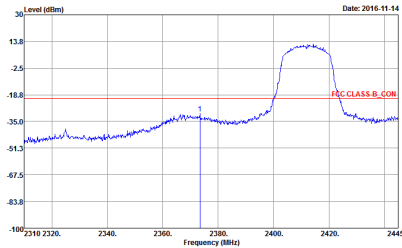
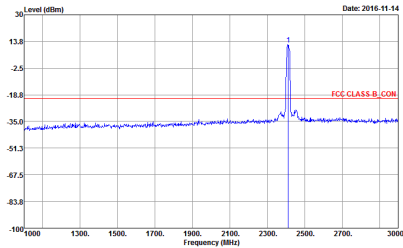
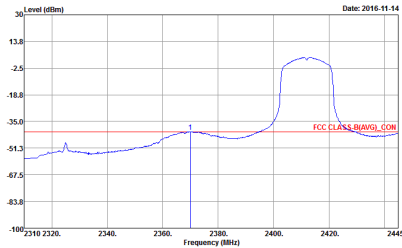
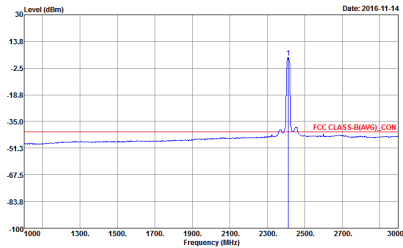
| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                        |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11g CH11 2462MHz - L                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                        |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                            |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>       | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>       |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> |



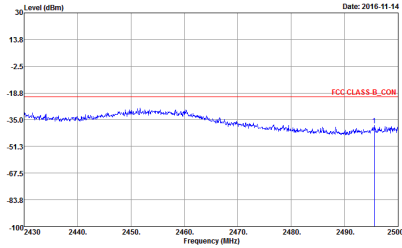
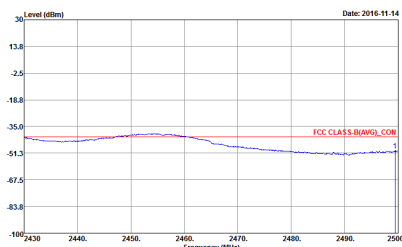
| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11g CH11 2462MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | Left blank  |



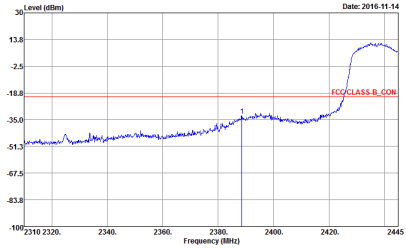
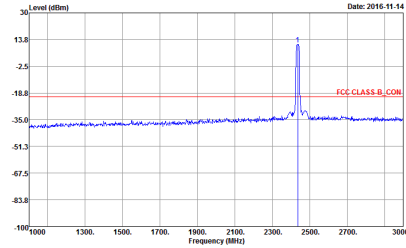
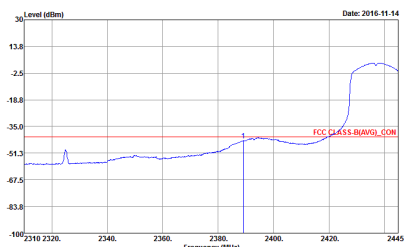
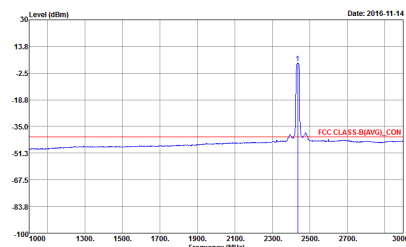
2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Band Edge)

| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT20 CH01 2412MHz - L                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                  |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                      |
| Peak   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 14</p>        |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 14</p>        |
| Avg.   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 14</p> |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 14</p> |

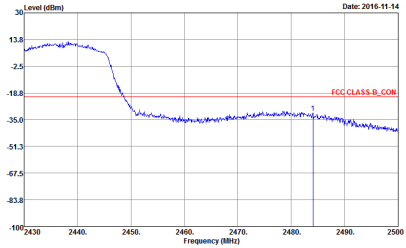
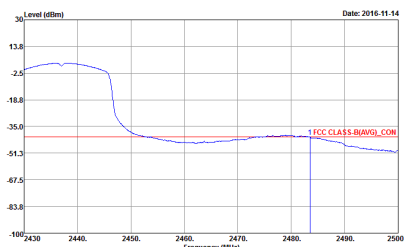


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                           |             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT20 CH01 2412MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n70)_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 14</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n70)_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 14</p></div> | Left blank  |

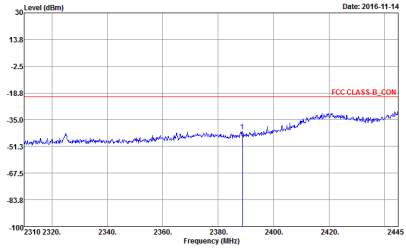
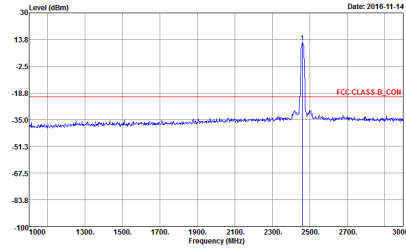
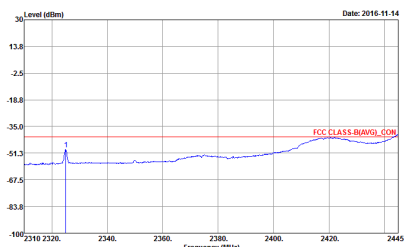
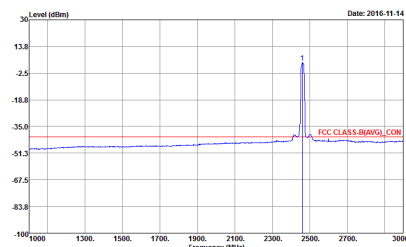


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                            |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT20 CH06 2437MHz - L                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                            |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                                                |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>        | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>        |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> |

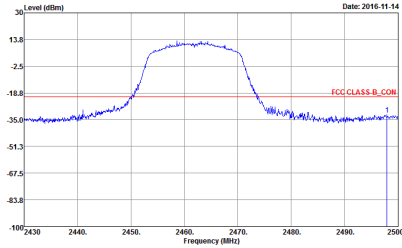
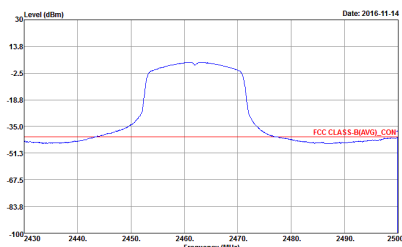


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                 |             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT20 CH06 2437MHz - R                                                                                                                                                                                                                                                   |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                       | Fundamental |
| Peak   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 13.5</p>        | Left blank  |
| Avg.   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 13.5</p> | Left blank  |



| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                  |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT20 CH11 2462MHz - L                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                  |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                                                                                                      |
| Peak   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-14</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 14</p></div>           | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-14</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 14</p></div>           |
| Avg.   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-14</p><p>FCC CLASS-B_AVG_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 14</p></div> | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-14</p><p>FCC CLASS-B_AVG_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 14</p></div> |



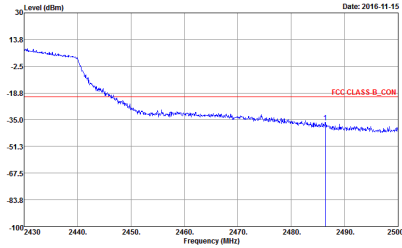
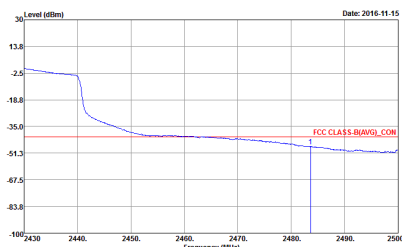
| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                               |             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT20 CH11 2462MHz - R                                                                                                                                                                                                                                                 |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                     | Fundamental |
| Peak   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 14</p>        | Left blank  |
| Avg.   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn20_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 14</p> | Left blank  |



2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT40 (Band Edge)

| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                             |                                                                                                                                                                                             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT40 CH03 2422MHz - L                                                                                                                                                               |                                                                                                                                                                                             |
| 1+2(1) | Band Edge                                                                                                                                                                                   | Fundamental                                                                                                                                                                                 |
| Peak   | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(1)<br/>Setting : 14.5</p>      | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(1)<br/>Setting : 14.5</p>      |
| Avg.   | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(1)<br/>Setting : 14.5</p> | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(1)<br/>Setting : 14.5</p> |

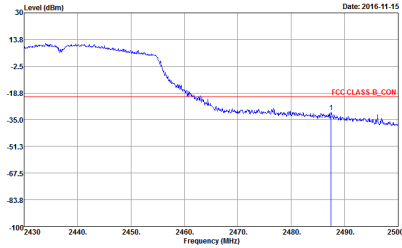
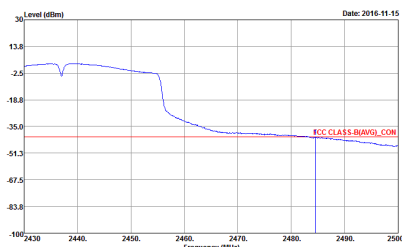


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                           |             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT40 CH03 2422MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(1)<br/>Setting : 14.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(1)<br/>Setting : 14.5</p></div> | Left blank  |

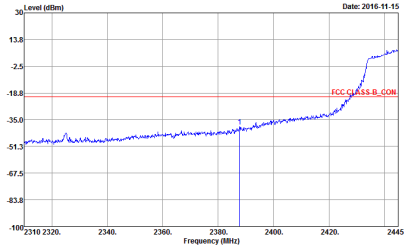
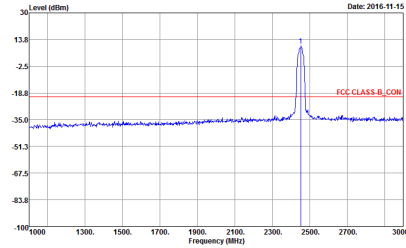
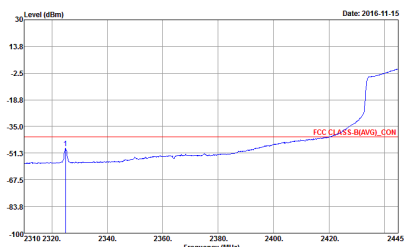
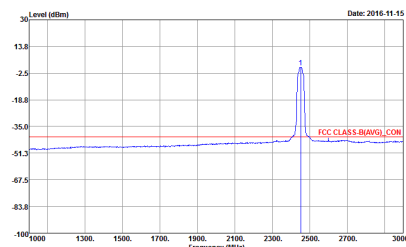


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                     |                                                                                                                                                                                                     |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT40 CH06 2437MHz - L                                                                                                                                                                       |                                                                                                                                                                                                     |
| 1+2(1) | Band Edge                                                                                                                                                                                           | Fundamental                                                                                                                                                                                         |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 16</p></div>     | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 16</p></div>     |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 16</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 16</p></div> |

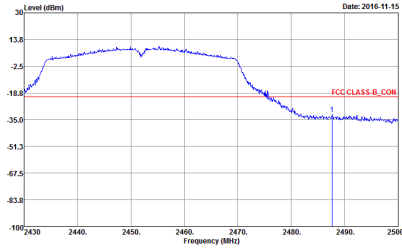
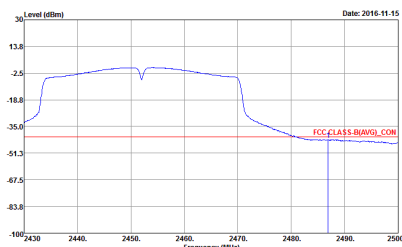


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                         |             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT40 CH06 2437MHz - R                                                                                                                                                                                                                                                           |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                               | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 16</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch06<br/>ANT : 1+2(1)<br/>Setting : 16</p></div> | Left blank  |



| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                      |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT40 CH09 2452MHz - L                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                      |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                                                                                                                          |
| Peak   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-15</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch09<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>             | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-15</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch09<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>             |
| Avg.   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-15</p><p>FCC CLASS-B(AVG)_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch09<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-15</p><p>FCC CLASS-B(AVG)_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch09<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> |

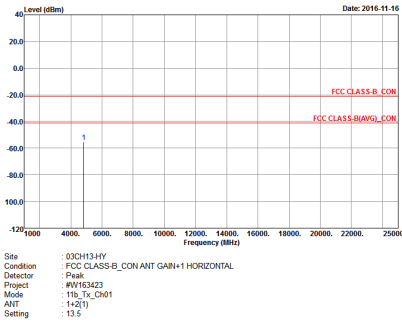


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                           |             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT40 CH09 2452MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(1) | Band Edge                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_CH09<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_CH09<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | Left blank  |

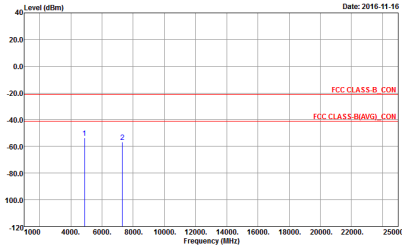


2.4GHz 2400~2483.5MHz

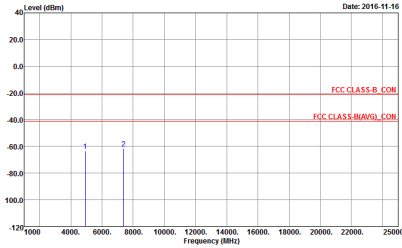
WIFI 802.11b (Harmonic)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                        |            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11b CH01 2412MHz                                                                                                                                                                                                                                                  |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                       |            |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_TX_CH01<br/>ANT : 1+2(1)<br/>Setting : 13.5</p> | Left blank |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                    |            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11b CH06 2437MHz                                                                                                                                                                                                                                                              |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                                   |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W152423<br/>Mode : 11b, TX, CH06<br/>ANT : 1+2(1)<br/>Setting : 15.5</p></div> | Left blank |

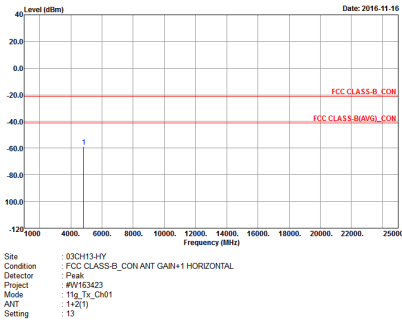


| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                    |            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11b CH11 2462MHz                                                                                                                                                                                                                                                              |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                                   |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W152423<br/>Mode : 11b, TX, CH11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | Left blank |

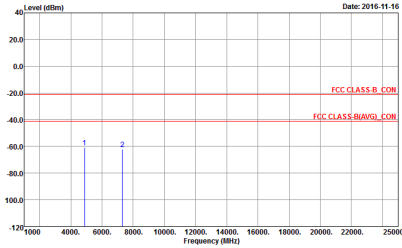


2.4GHz 2400~2483.5MHz

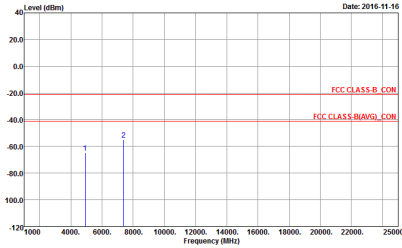
WIFI 802.11g (Harmonic)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                      |            |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11g CH01 2412MHz                                                                                                                                                                                                                                                |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                     |            |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH01<br/>ANT : 1+2(1)<br/>Setting : 13</p> | Left blank |



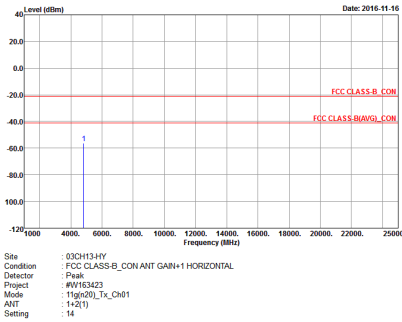
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                  |            |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11g CH06 2437MHz                                                                                                                                                                                                                                                            |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                                 |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g TX CH06<br/>ANT : 1+2(1)<br/>Setting : 12.5</p></div> | Left blank |



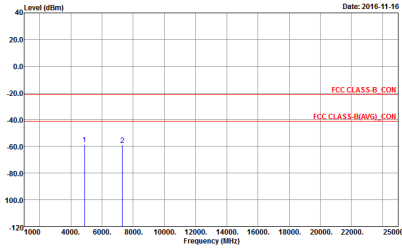
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                  |            |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11g CH11 2462MHz                                                                                                                                                                                                                                                            |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                                 |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH11<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | Left blank |



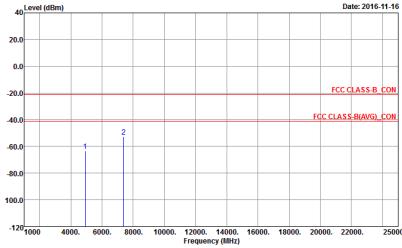
2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Harmonic)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                         |            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT20 CH01 2412MHz                                                                                                                                                                                                                                              |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                        |            |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g/20_Tx_CH01<br/>ANT : 1+2(1)<br/>Setting : 14</p> | Left blank |



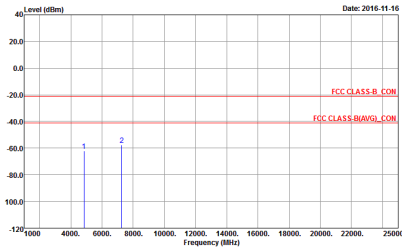
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                    |            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT20 CH06 2437MHz                                                                                                                                                                                                                                                         |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                                   |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163421<br/>Mode : 15p20 Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | Left blank |



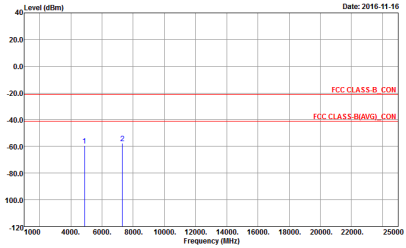
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                   |            |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT20 CH11 2462MHz                                                                                                                                                                                                                                                        |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                                  |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163421<br/>Mode : 11g/20_Tx_Ch11<br/>ANT : 1+2(1)<br/>Setting : 14</p></div> | Left blank |



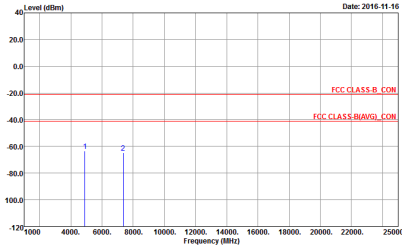
2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT40 (Harmonic)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                           |            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT40 CH03 2422MHz                                                                                                                                                                                                                                                |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                          |            |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_CH03<br/>ANT : 1+2(1)<br/>Setting : 14.5</p> | Left blank |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                   |            |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT40 CH06 2437MHz                                                                                                                                                                                                                                                        |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                                  |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163421<br/>Mode : 11g(n) Tx_CH06<br/>ANT : 1+2(1)<br/>Setting : 16</p></div> | Left blank |



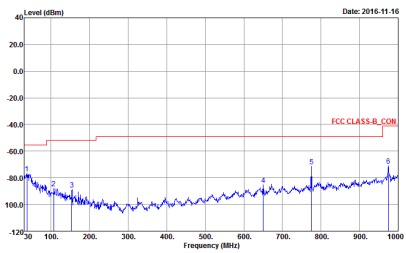
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                       |            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT40 CH09 2452MHz                                                                                                                                                                                                                                                            |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                                      |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163421<br/>Mode : 11g(n40)_Tx_CH09<br/>ANT : 1+2(1)<br/>Setting : 13.5</p></div> | Left blank |



**2.4GHz 2400~2483.5MHz**

**Emission below 1GHz**

**2.4GHz WIFI 802.11n HT20 (LF)**

| WIFI         | 2.4GHz 2400~2483.5MHz                                                                                                                                                                                                                                                   |            |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT20 LF                                                                                                                                                                                                                                                         |            |
| 1+2(1)       |                                                                                                                                                                                                                                                                         |            |
| QP /<br>Peak |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GABH+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g/200_Tx_Ch01<br/>ANT : 1+2(1)<br/>Setting : 14</p> | Left blank |
|              |                                                                                                                                                                                                                                                                         |            |



## Note symbol

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

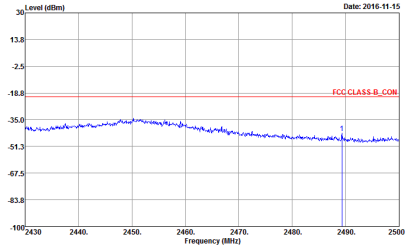
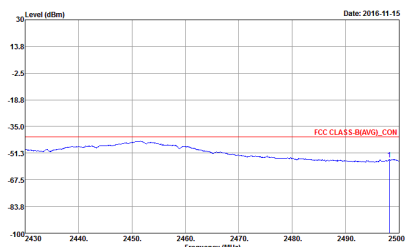


2.4GHz 2400~2483.5MHz

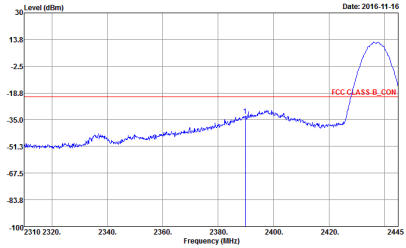
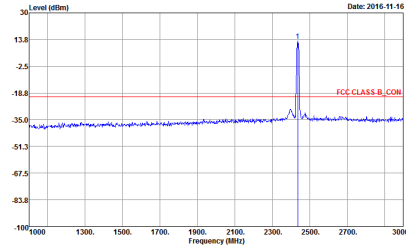
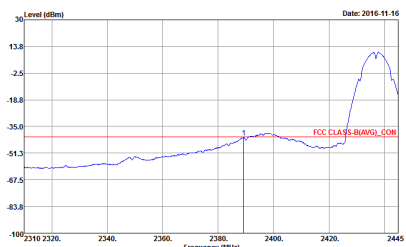
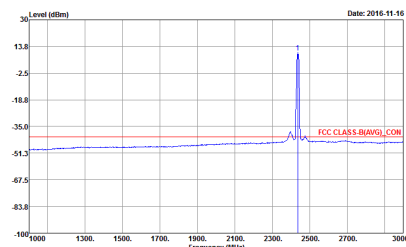
WIFI 802.11b (Band Edge)

| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                          |                                                                                                                                                                                          |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11b CH01 2412MHz - L                                                                                                                                                                 |                                                                                                                                                                                          |
| 1+2(2) | Band Edge                                                                                                                                                                                | Fundamental                                                                                                                                                                              |
| Peak   | <p>Site : 03CH134HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15.5</p>      | <p>Site : 03CH134HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15.5</p>      |
| Avg.   | <p>Site : 03CH134HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15.5</p> | <p>Site : 03CH134HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15.5</p> |

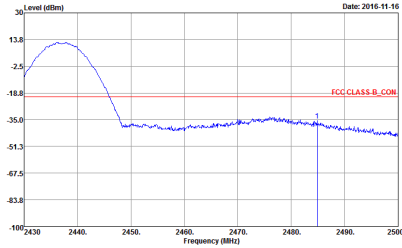
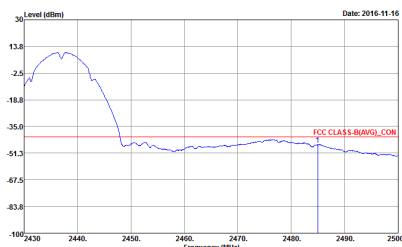


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11b CH01 2412MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div> | Left blank  |

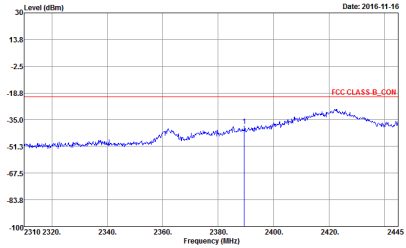
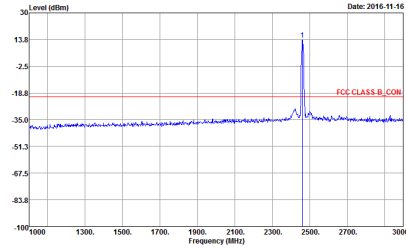
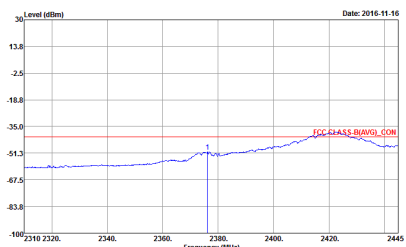
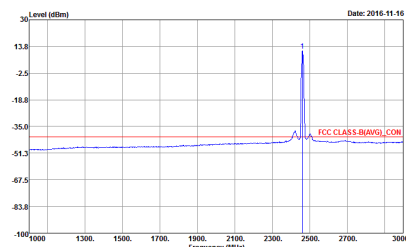


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                               |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11b CH06 2437MHz - L                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                               |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                   |
| Peak   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 16.5</p>        |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 16.5</p>        |
| Avg.   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 16.5</p> |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 16.5</p> |

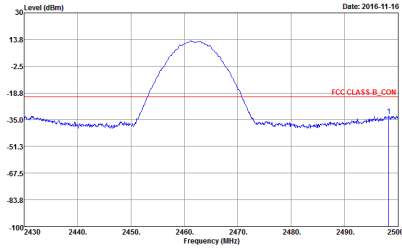
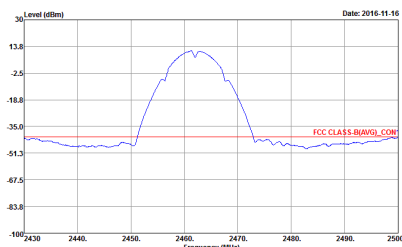


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11b CH06 2437MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch06<br/>ANT : 1+2(2)<br/>Setting : 16.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch06<br/>ANT : 1+2(2)<br/>Setting : 16.5</p></div> | Left blank  |



| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                        |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11b CH11 2462MHz - L                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                        |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                            |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16.5</p></div>       | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16.5</p></div>       |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16.5</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16.5</p></div> |



| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11b CH11 2462MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16.5</p></div> | Left blank  |

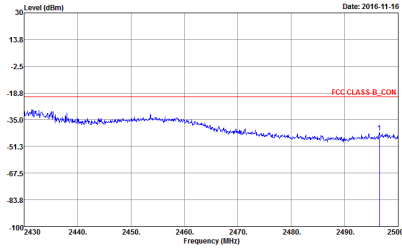
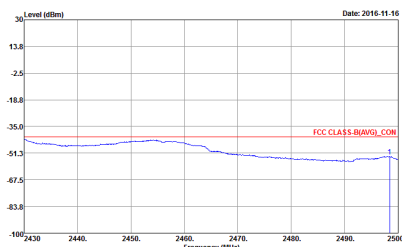


2.4GHz 2400~2483.5MHz

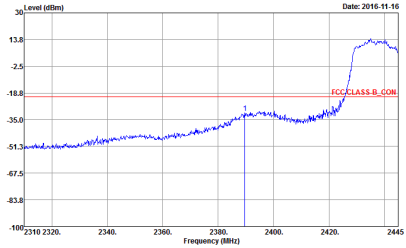
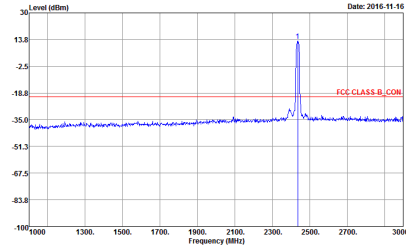
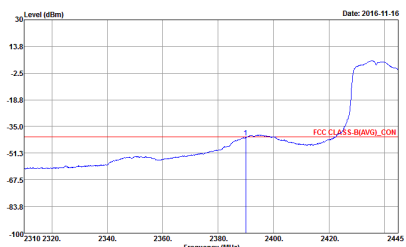
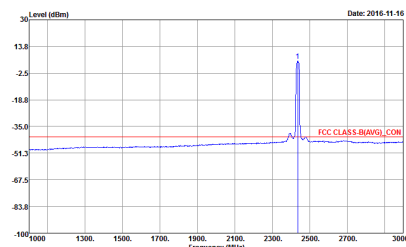
WIFI 802.11g (Band Edge)

| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                        |                                                                                                                                                                                        |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11g CH01 2412MHz - L                                                                                                                                                               |                                                                                                                                                                                        |
| 1+2(2) | Band Edge                                                                                                                                                                              | Fundamental                                                                                                                                                                            |
| Peak   | <p>Site : 03QH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15</p>      | <p>Site : 03QH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15</p>      |
| Avg.   | <p>Site : 03QH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15</p> | <p>Site : 03QH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 15</p> |

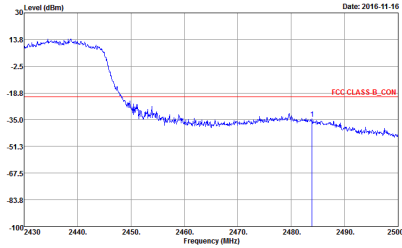
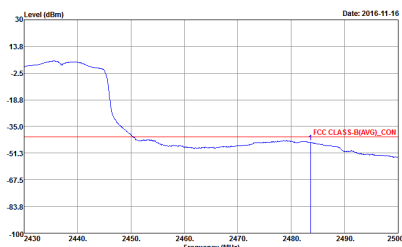


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                      |             |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11g CH01 2412MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                            | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH01<br/>ANT : 1+2(2)<br/>Setting : 15</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH01<br/>ANT : 1+2(2)<br/>Setting : 15</p></div> | Left blank  |

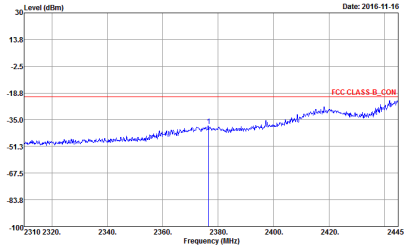
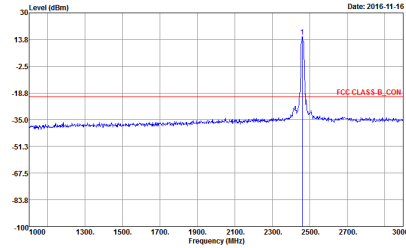
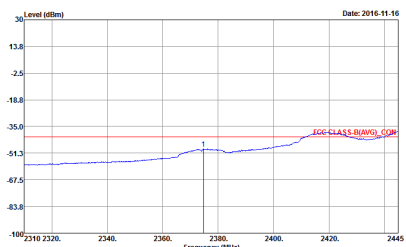
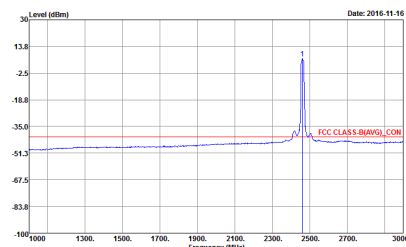


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                        |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11g CH06 2437MHz - L                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                        |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                            |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 14.5</p></div>       | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 14.5</p></div>       |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 14.5</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 14.5</p></div> |

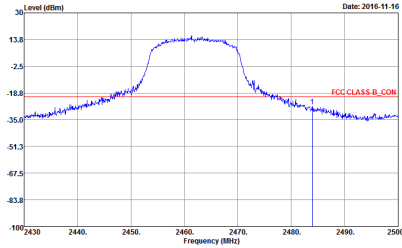
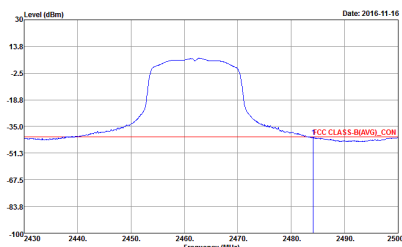


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                        |             |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11g CH06 2437MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                              | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH06<br/>ANT : 1+2(2)<br/>Setting : 14.5</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH06<br/>ANT : 1+2(2)<br/>Setting : 14.5</p></div> | Left blank  |



| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                               |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11g CH11 2462MHz - L                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                                                                                                                   |
| Peak   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-16</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16</p></div>           | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-16</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16</p></div>           |
| Avg.   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-16</p><p>FCC CLASS-B_AVG_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16</p></div> | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-16</p><p>FCC CLASS-B_AVG_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16</p></div> |



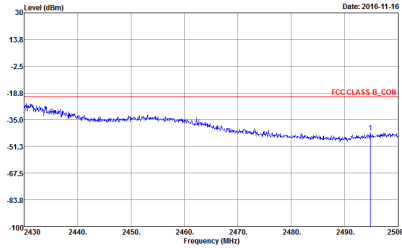
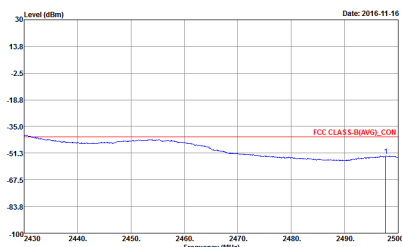
| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                      |             |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11g CH11 2462MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                            | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g Tx Ch11<br/>ANT : 1+2(2)<br/>Setting : 16</p></div> | Left blank  |



2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Band Edge)

| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                             |                                                                                                                                                                                             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT20 CH01 2412MHz - L                                                                                                                                                               |                                                                                                                                                                                             |
| 1+2(2) | Band Edge                                                                                                                                                                                   | Fundamental                                                                                                                                                                                 |
| Peak   | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 16</p>      | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 16</p>      |
| Avg.   | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 16</p> | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 16</p> |

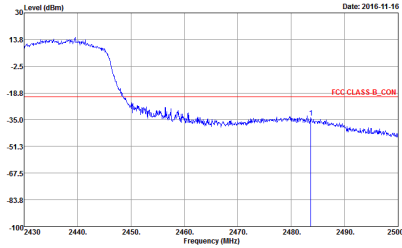
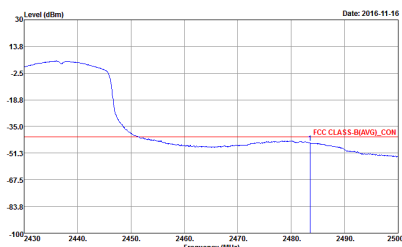


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                           |             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT20 CH01 2412MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 16</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch01<br/>ANT : 1+2(2)<br/>Setting : 16</p></div> | Left blank  |

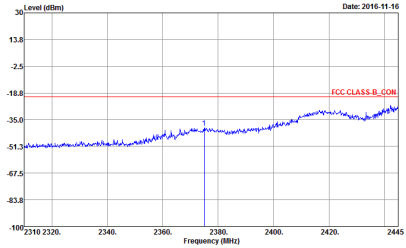
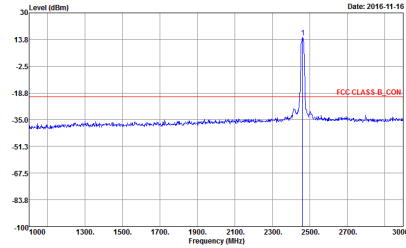
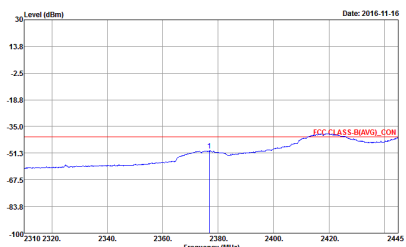
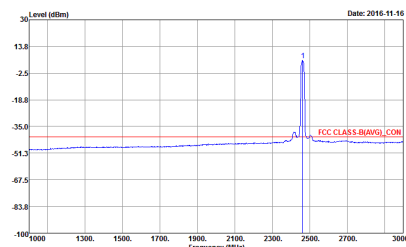


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                             |                                                                                                                                                                                             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT20 CH06 2437MHz - L                                                                                                                                                               |                                                                                                                                                                                             |
| 1+2(2) | Band Edge                                                                                                                                                                                   | Fundamental                                                                                                                                                                                 |
| Peak   | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 15</p>      | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 15</p>      |
| Avg.   | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 15</p> | <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 15</p> |

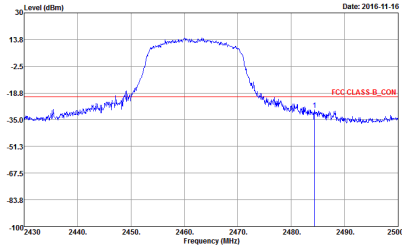
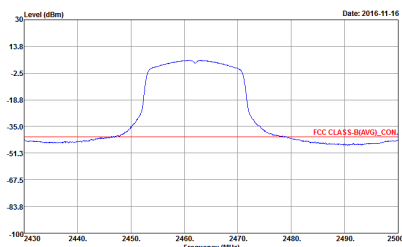


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                           |             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT20 CH06 2437MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 15</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 15</p></div> | Left blank  |



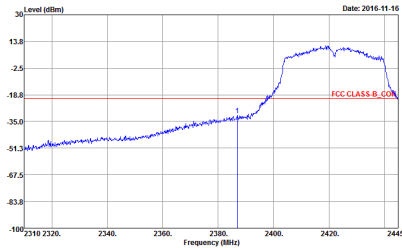
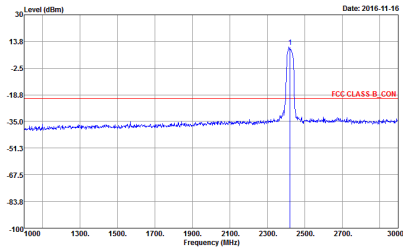
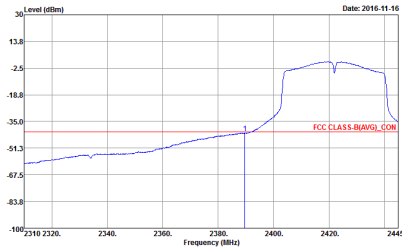
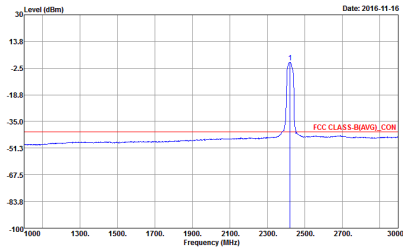
| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                        |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT20 CH11 2462MHz - L                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                        |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                                                                                            |
| Peak   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-16</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch11<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div>             | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-16</p><p>FCC CLASS-B_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch11<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div>             |
| Avg.   | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-16</p><p>FCC CLASS-B(AVG)_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch11<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div> | <div><p>Level (dBm)</p><p>Frequency (MHz)</p><p>Date: 2016-11-16</p><p>FCC CLASS-B(AVG)_CON</p><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch11<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div> |



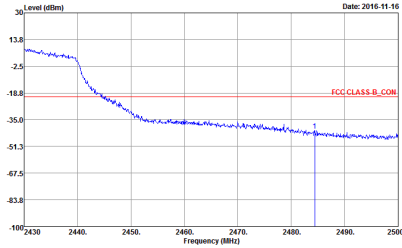
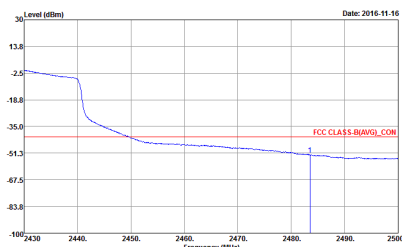
| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                   |             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT20 CH11 2462MHz - R                                                                                                                                                                                                                                                     |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                         | Fundamental |
| Peak   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch11<br/>ANT : 1+2(2)<br/>Setting : 15.5</p>        | Left blank  |
| Avg.   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n20)_Tx_Ch11<br/>ANT : 1+2(2)<br/>Setting : 15.5</p> | Left blank  |



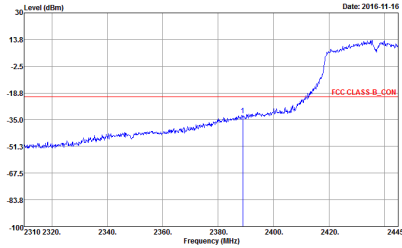
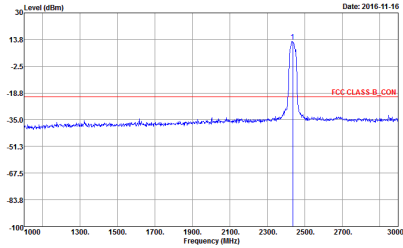
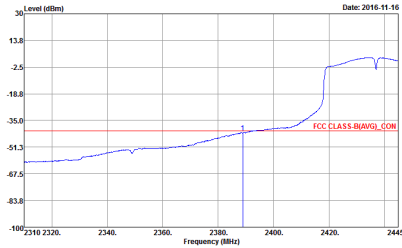
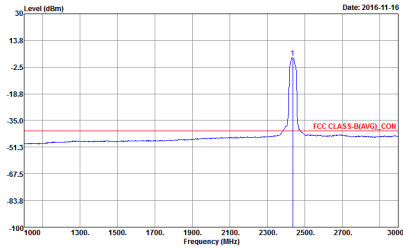
2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT40 (Band Edge)

| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT40 CH03 2422MHz - L                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                    |
| Peak   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(2)<br/>Setting : 15</p>        |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(2)<br/>Setting : 15</p>        |
| Avg.   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(2)<br/>Setting : 15</p> |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11gn40_Tx_Ch03<br/>ANT : 1+2(2)<br/>Setting : 15</p> |

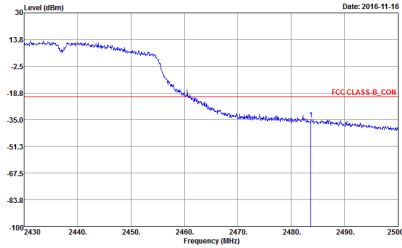
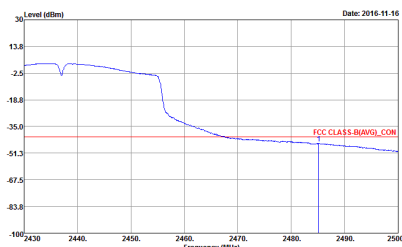


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                 |             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT40 CH03 2422MHz - R                                                                                                                                                                                                                                                   |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                       | Fundamental |
| Peak   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_CH03<br/>ANT : 1+2(2)<br/>Setting : 15</p>        | Left blank  |
| Avg.   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_CH03<br/>ANT : 1+2(2)<br/>Setting : 15</p> | Left blank  |

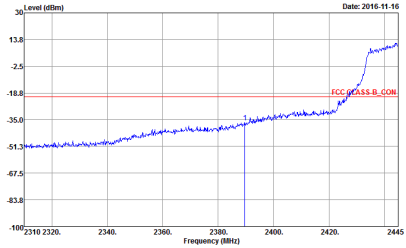
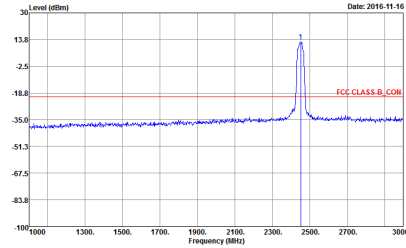
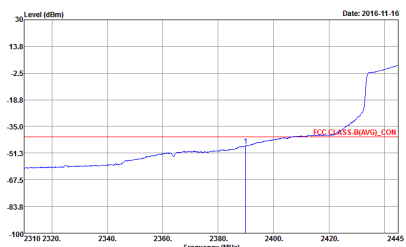
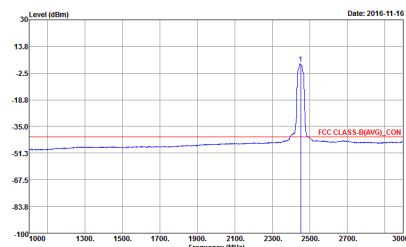


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT40 CH06 2437MHz - L                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                           |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                               |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 17</p></div>       | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 17</p></div>       |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 17</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_AVG_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_Ch06<br/>ANT : 1+2(2)<br/>Setting : 17</p></div> |

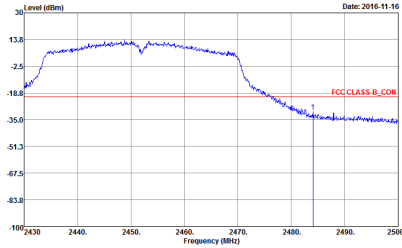
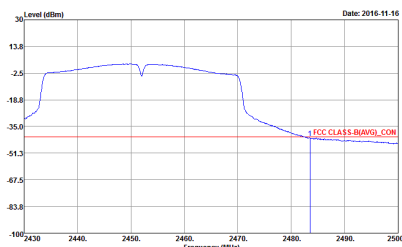


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                           |             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT40 CH06 2437MHz - R                                                                                                                                                                                                                                                             |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 17</p></div>        | Left blank  |
| Avg.   | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 17</p></div> | Left blank  |



| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT    | 802.11n HT40 CH09 2452MHz - L                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                                                                                    |
| Peak   |  <p>Level (dBm)</p> <p>Frequency (MHz)</p> <p>Date: 2016-11-16</p> <p>FCC CLASS-B_CON</p> <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_Ch09<br/>ANT : 1+2(2)<br/>Setting : 17</p>             |  <p>Level (dBm)</p> <p>Frequency (MHz)</p> <p>Date: 2016-11-16</p> <p>FCC CLASS-B_CON</p> <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_Ch09<br/>ANT : 1+2(2)<br/>Setting : 17</p>             |
| Avg.   |  <p>Level (dBm)</p> <p>Frequency (MHz)</p> <p>Date: 2016-11-16</p> <p>FCC CLASS-B(AVG)_CON</p> <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_Ch09<br/>ANT : 1+2(2)<br/>Setting : 17</p> |  <p>Level (dBm)</p> <p>Frequency (MHz)</p> <p>Date: 2016-11-16</p> <p>FCC CLASS-B(AVG)_CON</p> <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_Ch09<br/>ANT : 1+2(2)<br/>Setting : 17</p> |

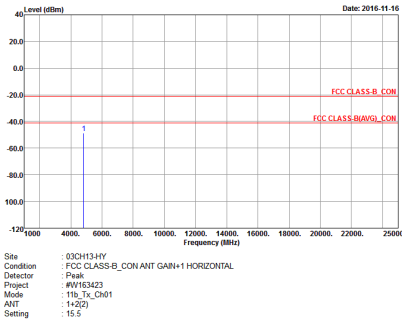


| WIFI   | 2.4GHz 2400~2483.5MHz Band Edge                                                                                                                                                                                                                                                 |             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT    | 802.11n HT40 CH09 2452MHz - R                                                                                                                                                                                                                                                   |             |
| 1+2(2) | Band Edge                                                                                                                                                                                                                                                                       | Fundamental |
| Peak   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_CH09<br/>ANT : 1+2(2)<br/>Setting : 17</p>        | Left blank  |
| Avg.   |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B(AVG)_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_CH09<br/>ANT : 1+2(2)<br/>Setting : 17</p> | Left blank  |

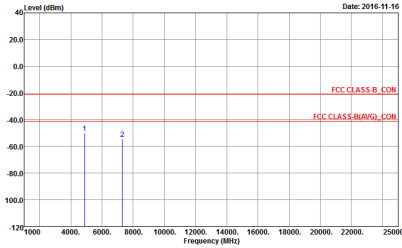


2.4GHz 2400~2483.5MHz

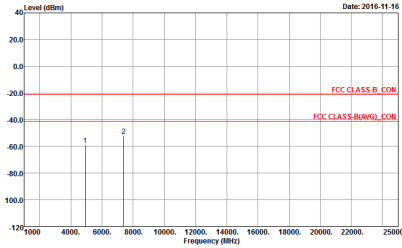
WIFI 802.11b (Harmonic)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                        |            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11b CH01 2412MHz                                                                                                                                                                                                                                                  |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                       |            |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b_TX_CH01<br/>ANT : 1+2(2)<br/>Setting : 15.5</p> | Left blank |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                  |            |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11b CH06 2437MHz                                                                                                                                                                                                                                                            |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                                 |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W152423<br/>Mode : 11b TS_CH06<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div> | Left blank |

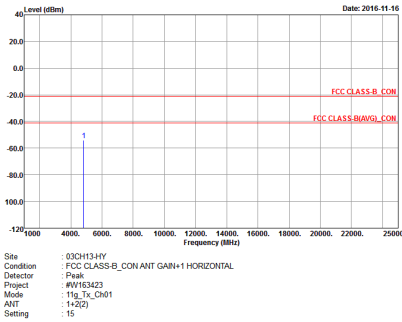


| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                    |            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11b CH11 2462MHz                                                                                                                                                                                                                                                              |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                                   |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W152423<br/>Mode : 11b, TX, CH11<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div> | Left blank |

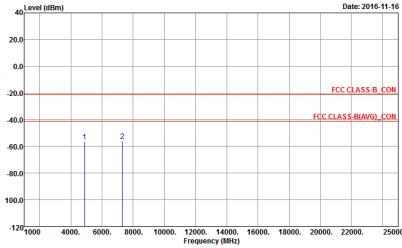


2.4GHz 2400~2483.5MHz

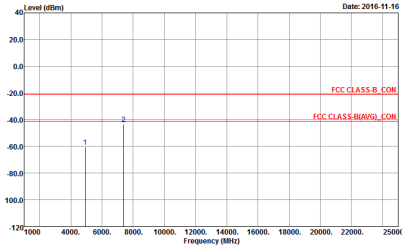
WIFI 802.11g (Harmonic)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                      |            |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11g CH01 2412MHz                                                                                                                                                                                                                                                |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                     |            |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH01<br/>ANT : 1+2(2)<br/>Setting : 15</p> | Left blank |



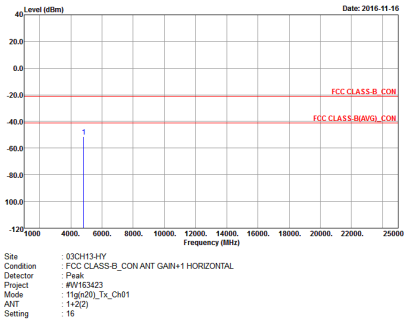
|              |                                                                                                                                                                                                                                                                                 |            |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                  |            |
| ANT          | 802.11g CH06 2437MHz                                                                                                                                                                                                                                                            |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                                 |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH06<br/>ANT : 1+2(2)<br/>Setting : 14.5</p></div> | Left blank |



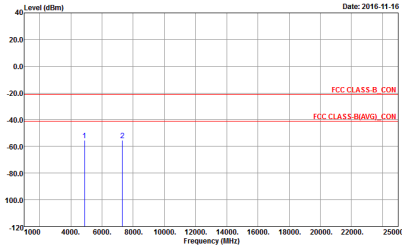
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                |            |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11g CH11 2462MHz                                                                                                                                                                                                                                                          |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                               |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g_TX_CH11<br/>ANT : 1+2(2)<br/>Setting : 16</p></div> | Left blank |



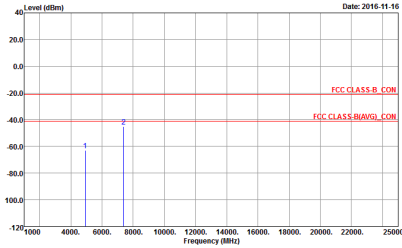
2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Harmonic)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                          |            |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT20 CH01 2412MHz                                                                                                                                                                                                                                               |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                         |            |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g/11n Tx_CH01<br/>ANT : 1+2(2)<br/>Setting : 16</p> | Left blank |



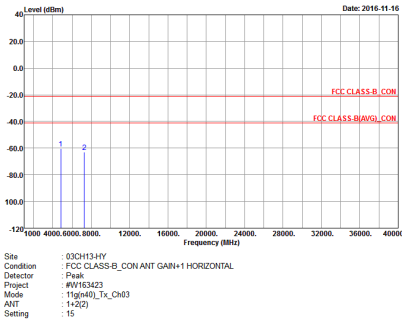
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                     |            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT20 CH06 2437MHz                                                                                                                                                                                                                                                          |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                                    |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163421<br/>Mode : 11g(n20)_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 15</p></div> | Left blank |



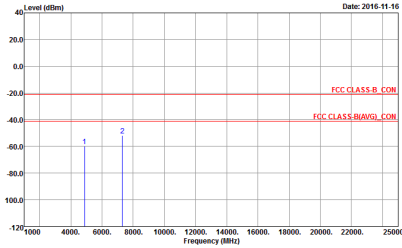
|              |                                                                                                                                                                                                                                                                                      |            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                       |            |
| ANT          | 802.11n HT20 CH11 2462MHz                                                                                                                                                                                                                                                            |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                                      |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163421<br/>Mode : 11g(n20)_Tx_Ch11<br/>ANT : 1+2(2)<br/>Setting : 15.5</p></div> | Left blank |



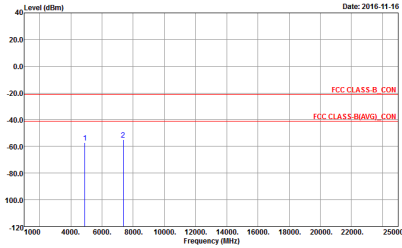
2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT40 (Harmonic)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                           |            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT40 CH03 2422MHz                                                                                                                                                                                                                                                |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                          |            |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11g(n40)_Tx_CH03<br/>ANT : 1+2(2)<br/>Setting : 15</p> | Left blank |



| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                     |            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT40 CH06 2437MHz                                                                                                                                                                                                                                                          |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                                    |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HV<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163421<br/>Mode : 11g(n40)_Tx_CH06<br/>ANT : 1+2(2)<br/>Setting : 17</p></div> | Left blank |



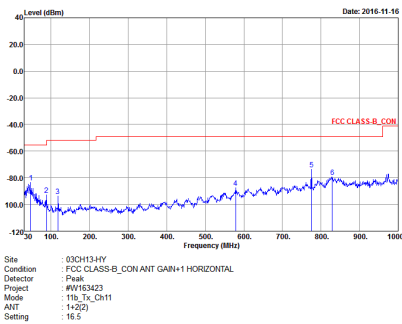
| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic                                                                                                                                                                                                                                                     |            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11n HT40 CH09 2452MHz                                                                                                                                                                                                                                                          |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                                    |            |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163421<br/>Mode : 11g(n40)_Tx_CH09<br/>ANT : 1+2(2)<br/>Setting : 17</p></div> | Left blank |



**2.4GHz 2400~2483.5MHz**

**Emission below 1GHz**

**2.4GHz WIFI 802.11b (LF)**

| WIFI         | 2.4GHz 2400~2483.5MHz                                                                                                                                                                                                                                                  |            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT          | 802.11b LF                                                                                                                                                                                                                                                             |            |
| 1+2(2)       |                                                                                                                                                                                                                                                                        |            |
| QP /<br>Peak |  <p>Site : 03CH13-HY<br/>Condition : FCC CLASS-B_CON ANT GAIN+1 HORIZONTAL<br/>Detector : Peak<br/>Project : #W163423<br/>Mode : 11b, TS_C011<br/>ANT : 1+2(2)<br/>Setting : 16.5</p> | Left blank |
|              |                                                                                                                                                                                                                                                                        |            |