

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 120                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5600 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 38.72               | -29.58                  | 68.3                        | 30.87                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 251                     | Average |
| 5470                 | 53.86               | -34.44                  | 88.3                        | 46.01                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 251                     | Peak    |
| 5600                 | 99.08               | -                       | -                           | 90.98                   | 34.34                       | 6.94                    | 33.18                      | 100                  | 251                     | Average |
| 5600                 | 111.3               | -                       | -                           | 103.2                   | 34.34                       | 6.94                    | 33.18                      | 100                  | 251                     | Peak    |
| 5725                 | 39.17               | -29.13                  | 68.3                        | 30.84                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 251                     | Average |
| 5725                 | 53.29               | -35.01                  | 88.3                        | 44.96                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 251                     | Peak    |
| 11200                | 52.09               | -1.91                   | 54                          | 59.43                   | 37.86                       | 10.46                   | 55.66                      | 154                  | 17                      | Average |
| 11200                | 64.56               | -9.44                   | 74                          | 71.9                    | 37.86                       | 10.46                   | 55.66                      | 154                  | 17                      | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 140                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5700 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5460                 | 37.72               | -16.28                  | 54                          | 29.9                    | 34.16                       | 6.85                    | 33.19                      | 100                  | 265                     | Average |
| 5460                 | 52.34               | -21.66                  | 74                          | 44.52                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 265                     | Peak    |
| 5700                 | 85.5                | -                       | -                           | 77.22                   | 34.47                       | 7                       | 33.19                      | 100                  | 265                     | Average |
| 5700                 | 96.64               | -                       | -                           | 88.36                   | 34.47                       | 7                       | 33.19                      | 100                  | 265                     | Peak    |
| 5725                 | 47.17               | -21.13                  | 68.3                        | 38.84                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 265                     | Average |
| 5725                 | 65.44               | -22.86                  | 88.3                        | 57.11                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 265                     | Peak    |
| 11400                | 46.37               | -7.63                   | 54                          | 53.58                   | 38.02                       | 10.47                   | 55.7                       | 145                  | 180                     | Average |
| 11400                | 59.88               | -14.12                  | 74                          | 67.09                   | 38.02                       | 10.47                   | 55.7                       | 145                  | 180                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 140                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5700 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 37.75               | -30.55                  | 68.3                        | 29.9                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 265                     | Average |
| 5470                 | 52.67               | -35.63                  | 88.3                        | 44.82                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 265                     | Peak    |
| 5700                 | 102.33              | -                       | -                           | 94.05                   | 34.47                       | 7                       | 33.19                      | 100                  | 265                     | Average |
| 5700                 | 113.35              | -                       | -                           | 105.07                  | 34.47                       | 7                       | 33.19                      | 100                  | 265                     | Peak    |
| 5725                 | 62.11               | -6.19                   | 68.3                        | 53.78                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 265                     | Average |
| 5725                 | 82.98               | -5.32                   | 88.3                        | 74.65                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 265                     | Peak    |
| 11400                | 53.53               | -0.47                   | 54                          | 60.74                   | 38.02                       | 10.47                   | 55.7                       | 145                  | 180                     | Average |
| 11400                | 68.21               | -5.79                   | 74                          | 75.42                   | 38.02                       | 10.47                   | 55.7                       | 145                  | 180                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 38                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5190 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5144.45              | 48                  | -6                      | 54                          | 40.71                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 293                     | Average |
| 5144.45              | 68.87               | -5.13                   | 74                          | 61.58                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 293                     | Peak    |
| 5190                 | 88.24               | -                       | -                           | 80.88                   | 33.95                       | 6.72                    | 33.31                      | 100                  | 293                     | Average |
| 5190                 | 100.38              | -                       | -                           | 93.02                   | 33.95                       | 6.72                    | 33.31                      | 100                  | 293                     | Peak    |
| 5390                 | 40.11               | -13.89                  | 54                          | 32.39                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 293                     | Average |
| 5390                 | 54.44               | -19.56                  | 74                          | 46.72                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 293                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 38                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5190 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5144.15              | 53.37               | -0.63                   | 54                          | 46.08                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 293                     | Average |
| 5144.15              | 71.87               | -2.13                   | 74                          | 64.58                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 293                     | Peak    |
| 5190                 | 94.37               | -                       | -                           | 87.01                   | 33.95                       | 6.72                    | 33.31                      | 100                  | 293                     | Average |
| 5190                 | 106.46              | -                       | -                           | 99.1                    | 33.95                       | 6.72                    | 33.31                      | 100                  | 293                     | Peak    |
| 5394                 | 45.58               | -8.42                   | 54                          | 37.86                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 293                     | Average |
| 5394                 | 55.14               | -18.86                  | 74                          | 47.42                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 293                     | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 46                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5230 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5070                 | 38.66               | -15.34                  | 54                          | 31.51                   | 33.85                       | 6.66                    | 33.36                      | 100                  | 283                     | Average |
| 5070                 | 54.12               | -19.88                  | 74                          | 46.97                   | 33.85                       | 6.66                    | 33.36                      | 100                  | 283                     | Peak    |
| 5230                 | 95.12               | -                       | -                           | 87.69                   | 33.99                       | 6.74                    | 33.3                       | 100                  | 283                     | Average |
| 5230                 | 107.76              | -                       | -                           | 100.33                  | 33.99                       | 6.74                    | 33.3                       | 100                  | 283                     | Peak    |
| 5394                 | 41.97               | -12.03                  | 54                          | 34.25                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 283                     | Average |
| 5394                 | 54.43               | -19.57                  | 74                          | 46.71                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 283                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 46                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5230 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5144                 | 41.16               | -12.84                  | 54                          | 33.87                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 283                     | Average |
| 5144                 | 57.64               | -16.36                  | 74                          | 50.35                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 283                     | Peak    |
| 5230                 | 100.39              | -                       | -                           | 92.96                   | 33.99                       | 6.74                    | 33.3                       | 100                  | 283                     | Average |
| 5230                 | 112.48              | -                       | -                           | 105.05                  | 33.99                       | 6.74                    | 33.3                       | 100                  | 283                     | Peak    |
| 5400                 | 47.35               | -6.65                   | 54                          | 39.62                   | 34.12                       | 6.83                    | 33.22                      | 100                  | 283                     | Average |
| 5400                 | 55.9                | -18.1                   | 74                          | 48.17                   | 34.12                       | 6.83                    | 33.22                      | 100                  | 283                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 54                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5270 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5141.3               | 48.5                | -5.5                    | 54                          | 41.21                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 296                     | Average |
| 5141.3               | 61.6                | -12.4                   | 74                          | 54.31                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 296                     | Peak    |
| 5270                 | 90.54               | -                       | -                           | 83.04                   | 34.01                       | 6.76                    | 33.27                      | 100                  | 296                     | Average |
| 5270                 | 101.98              | -                       | -                           | 94.48                   | 34.01                       | 6.76                    | 33.27                      | 100                  | 296                     | Peak    |
| 5457.03              | 48.89               | -5.11                   | 54                          | 41.07                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 296                     | Average |
| 5457.03              | 62.77               | -11.23                  | 74                          | 54.95                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 296                     | Peak    |
| 10540                | 49.93               | -38.37                  | 88.3                        | 58.7                    | 37.42                       | 10.2                    | 56.39                      | 200                  | 0                       | Peak    |
| 15810                | 50.2                | -3.8                    | 54                          | 51.71                   | 40.2                        | 12.18                   | 53.89                      | 161                  | 229                     | Average |
| 15810                | 58.3                | -15.7                   | 74                          | 59.81                   | 40.2                        | 12.18                   | 53.89                      | 161                  | 229                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 54                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5270 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5039.9               | 48.37               | -5.63                   | 54                          | 41.26                   | 33.84                       | 6.65                    | 33.38                      | 100                  | 296                     | Average |
| 5039.9               | 61.47               | -12.53                  | 74                          | 54.36                   | 33.84                       | 6.65                    | 33.38                      | 100                  | 296                     | Peak    |
| 5270                 | 100.2               | -                       | -                           | 92.7                    | 34.01                       | 6.76                    | 33.27                      | 100                  | 296                     | Average |
| 5270                 | 112.46              | -                       | -                           | 104.96                  | 34.01                       | 6.76                    | 33.27                      | 100                  | 296                     | Peak    |
| 5354.73              | 53.14               | -0.86                   | 54                          | 45.5                    | 34.08                       | 6.8                     | 33.24                      | 100                  | 296                     | Average |
| 5354.73              | 72.27               | -1.73                   | 74                          | 64.63                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 296                     | Peak    |
| 10540                | 50.2                | -38.1                   | 88.3                        | 58.97                   | 37.42                       | 10.2                    | 56.39                      | 100                  | 0                       | Peak    |
| 15810                | 51.53               | -2.47                   | 54                          | 53.04                   | 40.2                        | 12.18                   | 53.89                      | 133                  | 73                      | Average |
| 15810                | 59.63               | -14.37                  | 74                          | 61.14                   | 40.2                        | 12.18                   | 53.89                      | 133                  | 73                      | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 62                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5310 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5130.95              | 48.45               | -5.55                   | 54                          | 41.2                    | 33.91                       | 6.68                    | 33.34                      | 100                  | 295                     | Average |
| 5130.95              | 61.48               | -12.52                  | 74                          | 54.23                   | 33.91                       | 6.68                    | 33.34                      | 100                  | 295                     | Peak    |
| 5310                 | 87.75               | -                       | -                           | 80.17                   | 34.05                       | 6.78                    | 33.25                      | 100                  | 295                     | Average |
| 5310                 | 99.04               | -                       | -                           | 91.46                   | 34.05                       | 6.78                    | 33.25                      | 100                  | 295                     | Peak    |
| 5351.98              | 50.25               | -3.75                   | 54                          | 42.61                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Average |
| 5351.98              | 66.94               | -7.06                   | 74                          | 59.3                    | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 62                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5310 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5137.4               | 48.52               | -5.48                   | 54                          | 41.25                   | 33.91                       | 6.7                     | 33.34                      | 100                  | 295                     | Average |
| 5137.4               | 61.67               | -12.33                  | 74                          | 54.4                    | 33.91                       | 6.7                     | 33.34                      | 100                  | 295                     | Peak    |
| 5310                 | 93.14               | -                       | -                           | 85.56                   | 34.05                       | 6.78                    | 33.25                      | 100                  | 295                     | Average |
| 5310                 | 105.12              | -                       | -                           | 97.54                   | 34.05                       | 6.78                    | 33.25                      | 100                  | 295                     | Peak    |
| 5355.72              | 53.42               | -0.58                   | 54                          | 45.78                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Average |
| 5355.72              | 72.68               | -1.32                   | 74                          | 65.04                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 102                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5510 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5459.44              | 42.54               | -11.46                  | 54                          | 34.72                   | 34.16                       | 6.85                    | 33.19                      | 102                  | 247                     | Average |
| 5459.44              | 64.47               | -9.53                   | 74                          | 56.65                   | 34.16                       | 6.85                    | 33.19                      | 102                  | 247                     | Peak    |
| 5470                 | 54.97               | -13.33                  | 68.3                        | 46.64                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Average |
| 5470                 | 71.29               | -17.01                  | 88.3                        | 62.96                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Peak    |
| 5510                 | 83.79               | -                       | -                           | 75.88                   | 34.2                        | 6.88                    | 33.17                      | 102                  | 247                     | Average |
| 5510                 | 95.49               | -                       | -                           | 87.58                   | 34.2                        | 6.88                    | 33.17                      | 102                  | 247                     | Peak    |
| 5725                 | 38.65               | -29.65                  | 68.3                        | 30.32                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Average |
| 5725                 | 53.57               | -34.73                  | 88.3                        | 45.24                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 102                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5510 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5457.76              | 52.81               | -1.19                   | 54                          | 44.99                   | 34.16                       | 6.85                    | 33.19                      | 102                  | 247                     | Average |
| 5457.76              | 72.86               | -1.14                   | 74                          | 65.04                   | 34.16                       | 6.85                    | 33.19                      | 102                  | 247                     | Peak    |
| 5470                 | 61.18               | -7.12                   | 68.3                        | 53.33                   | 34.17                       | 6.87                    | 33.19                      | 102                  | 247                     | Average |
| 5470                 | 76.85               | -11.45                  | 88.3                        | 68.52                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Peak    |
| 5510                 | 94.39               | -                       | -                           | 86.48                   | 34.2                        | 6.88                    | 33.17                      | 102                  | 247                     | Average |
| 5510                 | 107.05              | -                       | -                           | 99.14                   | 34.2                        | 6.88                    | 33.17                      | 102                  | 247                     | Peak    |
| 5725                 | 38.74               | -29.56                  | 68.3                        | 30.41                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Average |
| 5725                 | 53.82               | -34.48                  | 88.3                        | 45.49                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Peak    |
| 11020                | 45.64               | -8.36                   | 54                          | 53.11                   | 37.71                       | 10.44                   | 55.62                      | 144                  | 177                     | Average |
| 11020                | 58.43               | -15.57                  | 74                          | 65.9                    | 37.71                       | 10.44                   | 55.62                      | 144                  | 177                     | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 118                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5590 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 37.95               | -30.35                  | 68.3                        | 30.1                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 236                     | Average |
| 5470                 | 52.72               | -35.58                  | 88.3                        | 44.87                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 236                     | Peak    |
| 5590                 | 84.93               | -                       | -                           | 76.85                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 236                     | Average |
| 5590                 | 96.83               | -                       | -                           | 88.75                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 236                     | Peak    |
| 5725                 | 38.55               | -29.75                  | 68.3                        | 30.22                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 236                     | Average |
| 5725                 | 53.48               | -34.82                  | 88.3                        | 45.15                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 236                     | Peak    |
| 11180                | 41.82               | -12.18                  | 54                          | 49.17                   | 37.85                       | 10.46                   | 55.66                      | 152                  | 16                      | Average |
| 11180                | 54.29               | -19.71                  | 74                          | 61.64                   | 37.85                       | 10.46                   | 55.66                      | 152                  | 16                      | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 118                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5590 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 38.47               | -29.83                  | 68.3                        | 30.62                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 236                     | Average |
| 5470                 | 53.27               | -35.03                  | 88.3                        | 45.42                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 236                     | Peak    |
| 5590                 | 95.55               | -                       | -                           | 87.47                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 236                     | Average |
| 5590                 | 107.99              | -                       | -                           | 99.91                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 236                     | Peak    |
| 5725                 | 39                  | -29.3                   | 68.3                        | 30.67                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 236                     | Average |
| 5725                 | 54.12               | -34.18                  | 88.3                        | 45.79                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 236                     | Peak    |
| 11180                | 49.81               | -4.19                   | 54                          | 57.16                   | 37.85                       | 10.46                   | 55.66                      | 152                  | 16                      | Average |
| 11180                | 63.2                | -10.8                   | 74                          | 70.55                   | 37.85                       | 10.46                   | 55.66                      | 152                  | 16                      | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 134                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5670 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 37.78               | -30.52                  | 68.3                        | 29.93                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 266                     | Average |
| 5470                 | 53.6                | -34.7                   | 88.3                        | 45.75                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 266                     | Peak    |
| 5670                 | 83.19               | -                       | -                           | 74.94                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 266                     | Average |
| 5670                 | 94.97               | -                       | -                           | 86.72                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 266                     | Peak    |
| 5725                 | 42.84               | -25.46                  | 68.3                        | 34.51                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 266                     | Average |
| 5725                 | 58.88               | -29.42                  | 88.3                        | 50.55                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 266                     | Peak    |
| 11340                | 43                  | -11                     | 54                          | 50.25                   | 37.97                       | 10.47                   | 55.69                      | 145                  | 184                     | Average |
| 11340                | 55.03               | -18.97                  | 74                          | 62.28                   | 37.97                       | 10.47                   | 55.69                      | 145                  | 184                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 134                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5670 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 38.94               | -29.36                  | 68.3                        | 31.09                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 266                     | Average |
| 5470                 | 53.31               | -34.99                  | 88.3                        | 45.46                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 266                     | Peak    |
| 5670                 | 99.11               | -                       | -                           | 90.86                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 266                     | Average |
| 5670                 | 111.76              | -                       | -                           | 103.51                  | 34.44                       | 6.99                    | 33.18                      | 100                  | 266                     | Peak    |
| 5725                 | 49.09               | -19.21                  | 68.3                        | 40.76                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 266                     | Average |
| 5725                 | 68.69               | -19.61                  | 88.3                        | 60.36                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 266                     | Peak    |
| 11340                | 50.88               | -3.12                   | 54                          | 58.13                   | 37.97                       | 10.47                   | 55.69                      | 145                  | 184                     | Average |
| 11340                | 63.62               | -10.38                  | 74                          | 70.87                   | 37.97                       | 10.47                   | 55.69                      | 145                  | 184                     | Peak    |

**<Beam-Forming Off: 3x3>**

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 36                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5180 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5147.04              | 44                  | -10                     | 54                          | 34.99                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Average |
| 5147.04              | 62.82               | -11.18                  | 74                          | 53.81                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Peak    |
| 5180                 | 93.83               | -                       | -                           | 84.87                   | 34.28                       | 9.45                    | 34.77                      | 100                  | 292                     | Average |
| 5180                 | 105.04              | -                       | -                           | 96.08                   | 34.28                       | 9.45                    | 34.77                      | 100                  | 292                     | Peak    |
| 5358                 | 39.73               | -14.27                  | 54                          | 30.9                    | 34.45                       | 9.78                    | 35.4                       | 100                  | 292                     | Average |
| 5358                 | 51.96               | -22.04                  | 74                          | 43.13                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 292                     | Peak    |
| 10360                | 48.77               | -25.23                  | 74                          | 80.76                   | -9.18                       | 11.31                   | 34.12                      | 106                  | 128                     | Peak    |
| 15540                | 40.75               | -13.25                  | 54                          | 66.2                    | -6.62                       | 14.11                   | 32.94                      | 106                  | 128                     | Average |
| 15540                | 57.51               | -16.49                  | 74                          | 82.96                   | -6.62                       | 14.11                   | 32.94                      | 106                  | 128                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 36                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5180 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5148                 | 48.72               | -5.28                   | 54                          | 39.71                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Average |
| 5148                 | 68.56               | -5.44                   | 74                          | 59.55                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Peak    |
| 5180                 | 100.52              | -                       | -                           | 91.56                   | 34.28                       | 9.45                    | 34.77                      | 100                  | 292                     | Average |
| 5180                 | 112.57              | -                       | -                           | 103.61                  | 34.28                       | 9.45                    | 34.77                      | 100                  | 292                     | Peak    |
| 5358                 | 43.91               | -10.09                  | 54                          | 35.08                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 292                     | Average |
| 5358                 | 53.18               | -20.82                  | 74                          | 44.35                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 292                     | Peak    |
| 10360                | 46.5                | -27.5                   | 74                          | 78.48                   | -9.17                       | 11.31                   | 34.12                      | 106                  | 128                     | Peak    |
| 15540                | 42.68               | -11.32                  | 54                          | 68.13                   | -6.62                       | 14.11                   | 32.94                      | 106                  | 128                     | Average |
| 15540                | 57.43               | -16.57                  | 74                          | 82.88                   | -6.62                       | 14.11                   | 32.94                      | 106                  | 128                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 44                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5220 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5150                 | 41.43               | -12.57                  | 54                          | 32.42                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Average |
| 5150                 | 59.35               | -14.65                  | 74                          | 50.34                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Peak    |
| 5220                 | 98.49               | -                       | -                           | 89.54                   | 34.32                       | 9.53                    | 34.9                       | 100                  | 292                     | Average |
| 5220                 | 110.68              | -                       | -                           | 101.73                  | 34.32                       | 9.53                    | 34.9                       | 100                  | 292                     | Peak    |
| 5382                 | 39.96               | -14.04                  | 54                          | 31.19                   | 34.48                       | 9.82                    | 35.53                      | 100                  | 292                     | Average |
| 5382                 | 51.75               | -22.25                  | 74                          | 42.98                   | 34.48                       | 9.82                    | 35.53                      | 100                  | 292                     | Peak    |
| 10440                | 58.64               | -15.36                  | 74                          | 90.59                   | -9.07                       | 11.21                   | 34.09                      | 111                  | 108                     | Peak    |
| 15660                | 49.72               | -4.28                   | 54                          | 75.24                   | -6.66                       | 14.17                   | 33.03                      | 111                  | 108                     | Average |
| 15660                | 62.27               | -11.73                  | 74                          | 87.79                   | -6.66                       | 14.17                   | 33.03                      | 111                  | 108                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 44                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5220 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5150                 | 47.16               | -6.84                   | 54                          | 38.15                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Average |
| 5150                 | 66.36               | -7.64                   | 74                          | 57.35                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Peak    |
| 5220                 | 107.23              | -                       | -                           | 98.28                   | 34.32                       | 9.53                    | 34.9                       | 100                  | 292                     | Average |
| 5220                 | 120.32              | -                       | -                           | 111.37                  | 34.32                       | 9.53                    | 34.9                       | 100                  | 292                     | Peak    |
| 5358                 | 41.83               | -12.17                  | 54                          | 33                      | 34.45                       | 9.78                    | 35.4                       | 100                  | 292                     | Average |
| 5358                 | 53.25               | -20.75                  | 74                          | 44.42                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 292                     | Peak    |
| 10440                | 53.51               | -20.49                  | 74                          | 85.48                   | -9.06                       | 11.18                   | 34.09                      | 111                  | 108                     | Peak    |
| 15660                | 53.47               | -0.53                   | 54                          | 78.99                   | -6.66                       | 14.17                   | 33.03                      | 111                  | 108                     | Average |
| 15660                | 68.36               | -5.64                   | 74                          | 93.88                   | -6.66                       | 14.17                   | 33.03                      | 111                  | 108                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 48                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5240 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5144.16              | 39.8                | -14.2                   | 54                          | 30.79                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Average |
| 5144.16              | 53.26               | -20.74                  | 74                          | 44.25                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Peak    |
| 5240                 | 97.55               | -                       | -                           | 88.61                   | 34.33                       | 9.57                    | 34.96                      | 100                  | 292                     | Average |
| 5240                 | 109.21              | -                       | -                           | 100.31                  | 34.33                       | 9.53                    | 34.96                      | 100                  | 292                     | Peak    |
| 5350                 | 39.79               | -14.21                  | 54                          | 31                      | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Average |
| 5350                 | 51.67               | -22.33                  | 74                          | 42.88                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Peak    |
| 10480                | 54.4                | -19.6                   | 74                          | 86.36                   | -9.02                       | 11.14                   | 34.08                      | 103                  | 112                     | Peak    |
| 15720                | 50.32               | -3.68                   | 54                          | 75.9                    | -6.69                       | 14.2                    | 33.09                      | 103                  | 112                     | Average |
| 15720                | 62.87               | -11.13                  | 74                          | 88.44                   | -6.68                       | 14.2                    | 33.09                      | 103                  | 112                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 48                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5240 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5144.16              | 41.31               | -12.69                  | 54                          | 32.3                    | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Average |
| 5144.16              | 55.32               | -18.68                  | 74                          | 46.31                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 292                     | Peak    |
| 5240                 | 106.02              | -                       | -                           | 97.08                   | 34.33                       | 9.57                    | 34.96                      | 100                  | 292                     | Average |
| 5240                 | 117.99              | -                       | -                           | 109.09                  | 34.33                       | 9.53                    | 34.96                      | 100                  | 292                     | Peak    |
| 5364                 | 42.75               | -11.25                  | 54                          | 33.97                   | 34.47                       | 9.78                    | 35.47                      | 100                  | 292                     | Average |
| 5364                 | 54.58               | -19.42                  | 74                          | 45.8                    | 34.47                       | 9.78                    | 35.47                      | 100                  | 292                     | Peak    |
| 10480                | 43.27               | -30.73                  | 74                          | 75.25                   | -9.04                       | 11.14                   | 34.08                      | 103                  | 112                     | Peak    |
| 15720                | 51.41               | -2.59                   | 54                          | 76.99                   | -6.69                       | 14.2                    | 33.09                      | 103                  | 112                     | Average |
| 15720                | 66                  | -8                      | 74                          | 91.56                   | -6.68                       | 14.2                    | 33.08                      | 103                  | 112                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 52                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5260 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5086.56              | 39.69               | -14.31                  | 54                          | 30.62                   | 34.18                       | 9.29                    | 34.4                       | 100                  | 292                     | Average |
| 5086.56              | 52.34               | -21.66                  | 74                          | 43.27                   | 34.18                       | 9.29                    | 34.4                       | 100                  | 292                     | Peak    |
| 5260                 | 95.09               | -                       | -                           | 86.19                   | 34.37                       | 9.62                    | 35.09                      | 100                  | 292                     | Average |
| 5260                 | 106.69              | -                       | -                           | 97.79                   | 34.37                       | 9.62                    | 35.09                      | 100                  | 292                     | Peak    |
| 5350                 | 39.04               | -14.96                  | 54                          | 30.25                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Average |
| 5350                 | 51.92               | -22.08                  | 74                          | 43.13                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Peak    |
| 10520                | 45.73               | -42.57                  | 88.3                        | 77.7                    | -9.01                       | 11.11                   | 34.07                      | 105                  | 128                     | Peak    |
| 15780                | 44.53               | -9.47                   | 54                          | 70.14                   | -6.71                       | 14.23                   | 33.13                      | 105                  | 128                     | Average |
| 15780                | 59.33               | -14.67                  | 74                          | 84.94                   | -6.71                       | 14.23                   | 33.13                      | 105                  | 128                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 52                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5260 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5127.84              | 40.41               | -13.59                  | 54                          | 31.39                   | 34.23                       | 9.37                    | 34.58                      | 100                  | 292                     | Average |
| 5127.84              | 52.35               | -21.65                  | 74                          | 43.33                   | 34.23                       | 9.37                    | 34.58                      | 100                  | 292                     | Peak    |
| 5260                 | 104.11              | -                       | -                           | 95.21                   | 34.37                       | 9.62                    | 35.09                      | 100                  | 292                     | Average |
| 5260                 | 116                 | -                       | -                           | 107.11                  | 34.35                       | 9.57                    | 35.03                      | 100                  | 292                     | Peak    |
| 5358                 | 41.99               | -12.01                  | 54                          | 33.16                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 292                     | Average |
| 5358                 | 53.15               | -20.85                  | 74                          | 44.32                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 292                     | Peak    |
| 10520                | 46.83               | -41.47                  | 88.3                        | 78.8                    | -9.01                       | 11.11                   | 34.07                      | 105                  | 128                     | Peak    |
| 15780                | 46.1                | -7.9                    | 54                          | 71.71                   | -6.71                       | 14.23                   | 33.13                      | 105                  | 128                     | Average |
| 15780                | 60.85               | -13.15                  | 74                          | 86.46                   | -6.71                       | 14.23                   | 33.13                      | 105                  | 128                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 60                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5300 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5020.32              | 39.61               | -14.39                  | 54                          | 30.42                   | 34.12                       | 9.21                    | 34.14                      | 100                  | 292                     | Average |
| 5020.32              | 52.56               | -21.44                  | 74                          | 43.37                   | 34.12                       | 9.21                    | 34.14                      | 100                  | 292                     | Peak    |
| 5300                 | 94.71               | -                       | -                           | 85.86                   | 34.4                        | 9.66                    | 35.21                      | 100                  | 292                     | Average |
| 5300                 | 106.69              | -                       | -                           | 97.84                   | 34.4                        | 9.66                    | 35.21                      | 100                  | 292                     | Peak    |
| 5350                 | 43.59               | -10.41                  | 54                          | 34.8                    | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Average |
| 5350                 | 62.93               | -11.07                  | 74                          | 54.14                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Peak    |
| 10600                | 30.58               | -23.42                  | 54                          | 62.13                   | -9.1                        | 11.51                   | 33.96                      | 100                  | 172                     | Average |
| 10600                | 43.25               | -30.75                  | 74                          | 74.81                   | -9.09                       | 11.51                   | 33.98                      | 100                  | 172                     | Peak    |
| 15900                | 44.4                | -9.6                    | 54                          | 70.09                   | -6.76                       | 14.3                    | 33.23                      | 107                  | 71                      | Average |
| 15900                | 56.93               | -17.07                  | 74                          | 82.62                   | -6.76                       | 14.3                    | 33.23                      | 107                  | 71                      | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 60                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5300 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5036.64              | 39.59               | -14.41                  | 54                          | 30.46                   | 34.13                       | 9.21                    | 34.21                      | 100                  | 292                     | Average |
| 5036.64              | 52.59               | -21.41                  | 74                          | 43.46                   | 34.13                       | 9.21                    | 34.21                      | 100                  | 292                     | Peak    |
| 5300                 | 101.83              | -                       | -                           | 92.98                   | 34.4                        | 9.66                    | 35.21                      | 100                  | 292                     | Average |
| 5300                 | 114.37              | -                       | -                           | 105.52                  | 34.4                        | 9.66                    | 35.21                      | 100                  | 292                     | Peak    |
| 5350                 | 51.05               | -2.95                   | 54                          | 42.26                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Average |
| 5350                 | 70.67               | -3.33                   | 74                          | 61.88                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Peak    |
| 10600                | 40.74               | -13.26                  | 54                          | 72.29                   | -9.1                        | 11.51                   | 33.96                      | 100                  | 172                     | Average |
| 10600                | 53.89               | -20.11                  | 74                          | 85.44                   | -9.1                        | 11.51                   | 33.96                      | 100                  | 172                     | Peak    |
| 15900                | 48.65               | -5.35                   | 54                          | 74.34                   | -6.76                       | 14.3                    | 33.23                      | 107                  | 71                      | Average |
| 15900                | 62.48               | -11.52                  | 74                          | 88.17                   | -6.76                       | 14.3                    | 33.23                      | 107                  | 71                      | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 64                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5320 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5040.48              | 39.65               | -14.35                  | 54                          | 30.56                   | 34.15                       | 9.21                    | 34.27                      | 100                  | 292                     | Average |
| 5040.48              | 52.64               | -21.36                  | 74                          | 43.55                   | 34.15                       | 9.21                    | 34.27                      | 100                  | 292                     | Peak    |
| 5320                 | 93.95               | -                       | -                           | 85.11                   | 34.42                       | 9.7                     | 35.28                      | 100                  | 292                     | Average |
| 5320                 | 105.38              | -                       | -                           | 96.54                   | 34.42                       | 9.7                     | 35.28                      | 100                  | 292                     | Peak    |
| 5350                 | 41.61               | -12.39                  | 54                          | 32.82                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Average |
| 5350                 | 63.69               | -10.31                  | 74                          | 54.9                    | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Peak    |
| 10640                | 25.1                | -28.9                   | 54                          | 56.45                   | -9.14                       | 11.71                   | 33.92                      | 100                  | 170                     | Average |
| 10640                | 37.66               | -36.34                  | 74                          | 69.01                   | -9.14                       | 11.71                   | 33.92                      | 100                  | 170                     | Peak    |
| 15960                | 32.6                | -21.4                   | 54                          | 58.34                   | -6.78                       | 14.32                   | 33.28                      | 100                  | 109                     | Average |
| 15960                | 47.3                | -26.7                   | 74                          | 73.04                   | -6.78                       | 14.32                   | 33.28                      | 100                  | 109                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 64                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5320 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5096.16              | 39.78               | -14.22                  | 54                          | 30.71                   | 34.2                        | 9.33                    | 34.46                      | 100                  | 292                     | Average |
| 5096.16              | 52.77               | -21.23                  | 74                          | 43.7                    | 34.2                        | 9.33                    | 34.46                      | 100                  | 292                     | Peak    |
| 5320                 | 101.89              | -                       | -                           | 93.05                   | 34.42                       | 9.7                     | 35.28                      | 100                  | 292                     | Average |
| 5320                 | 113.74              | -                       | -                           | 104.9                   | 34.42                       | 9.7                     | 35.28                      | 100                  | 292                     | Peak    |
| 5350                 | 47.49               | -6.51                   | 54                          | 38.7                    | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Average |
| 5350                 | 71.09               | -2.91                   | 74                          | 62.3                    | 34.45                       | 9.74                    | 35.4                       | 100                  | 292                     | Peak    |
| 10640                | 31.23               | -22.77                  | 54                          | 62.58                   | -9.14                       | 11.71                   | 33.92                      | 100                  | 170                     | Average |
| 10640                | 43.45               | -30.55                  | 74                          | 74.8                    | -9.14                       | 11.71                   | 33.92                      | 100                  | 170                     | Peak    |
| 15960                | 49.32               | -4.68                   | 54                          | 75.06                   | -6.78                       | 14.32                   | 33.28                      | 100                  | 109                     | Average |
| 15960                | 73.05               | -0.95                   | 74                          | 98.79                   | -6.78                       | 14.32                   | 33.28                      | 100                  | 109                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 100                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5500 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5460                 | 40.79               | -13.21                  | 54                          | 32.97                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 255                     | Average |
| 5460                 | 57.05               | -16.95                  | 74                          | 49.23                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 255                     | Peak    |
| 5470                 | 50.21               | -18.09                  | 68.3                        | 42.36                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 255                     | Average |
| 5470                 | 73.05               | -15.25                  | 88.3                        | 65.2                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 255                     | Peak    |
| 5500                 | 96.05               | -                       | -                           | 88.14                   | 34.2                        | 6.88                    | 33.17                      | 100                  | 255                     | Average |
| 5500                 | 108.26              | -                       | -                           | 100.35                  | 34.2                        | 6.88                    | 33.17                      | 100                  | 255                     | Peak    |
| 5725                 | 38.97               | -29.33                  | 68.3                        | 30.64                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 255                     | Average |
| 5725                 | 49.49               | -38.81                  | 88.3                        | 41.16                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 255                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 100                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5500 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5449.77              | 45.4                | -8.6                    | 54                          | 37.59                   | 34.16                       | 6.85                    | 33.2                       | 100                  | 255                     | Average |
| 5449.77              | 72.58               | -1.42                   | 74                          | 64.77                   | 34.16                       | 6.85                    | 33.2                       | 100                  | 255                     | Peak    |
| 5470                 | 59.82               | -8.48                   | 68.3                        | 51.97                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 255                     | Average |
| 5470                 | 84.04               | -4.26                   | 88.3                        | 76.19                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 255                     | Peak    |
| 5500                 | 90.27               | -                       | -                           | 82.36                   | 34.2                        | 6.88                    | 33.17                      | 100                  | 255                     | Average |
| 5500                 | 116.92              | -                       | -                           | 109.01                  | 34.2                        | 6.88                    | 33.17                      | 100                  | 255                     | Peak    |
| 5725                 | 39.68               | -28.62                  | 68.3                        | 31.35                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 255                     | Average |
| 5725                 | 50.93               | -37.37                  | 88.3                        | 42.6                    | 34.51                       | 7.01                    | 33.19                      | 100                  | 255                     | Peak    |
| 11000                | 48.37               | -5.63                   | 54                          | 55.85                   | 37.7                        | 10.44                   | 55.62                      | 146                  | 112                     | Average |
| 11000                | 62.02               | -11.98                  | 74                          | 69.5                    | 37.7                        | 10.44                   | 55.62                      | 146                  | 112                     | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 120                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5600 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5354                 | 41.07               | -12.93                  | 54                          | 33.43                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 262                     | Average |
| 5354                 | 52.04               | -21.96                  | 74                          | 44.4                    | 34.08                       | 6.8                     | 33.24                      | 100                  | 262                     | Peak    |
| 5470                 | 38.95               | -29.35                  | 68.3                        | 31.1                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 262                     | Average |
| 5470                 | 50.24               | -38.06                  | 88.3                        | 42.39                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 262                     | Peak    |
| 5600                 | 94.73               | -                       | -                           | 86.63                   | 34.34                       | 6.94                    | 33.18                      | 100                  | 262                     | Average |
| 5600                 | 106.49              | -                       | -                           | 98.39                   | 34.34                       | 6.94                    | 33.18                      | 100                  | 262                     | Peak    |
| 5725                 | 39.29               | -29.01                  | 68.3                        | 30.96                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 262                     | Average |
| 5725                 | 51.3                | -37                     | 88.3                        | 42.97                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 262                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 120                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5600 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5450                 | 45.5                | -8.5                    | 54                          | 37.69                   | 34.16                       | 6.85                    | 33.2                       | 100                  | 262                     | Average |
| 5450                 | 53.8                | -20.2                   | 74                          | 45.99                   | 34.16                       | 6.85                    | 33.2                       | 100                  | 262                     | Peak    |
| 5470                 | 41.04               | -27.26                  | 68.3                        | 33.19                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 262                     | Average |
| 5470                 | 52.53               | -35.77                  | 88.3                        | 44.68                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 262                     | Peak    |
| 5600                 | 106.94              | -                       | -                           | 98.84                   | 34.34                       | 6.94                    | 33.18                      | 100                  | 262                     | Average |
| 5600                 | 119.1               | -                       | -                           | 111                     | 34.34                       | 6.94                    | 33.18                      | 100                  | 262                     | Peak    |
| 5725                 | 40.46               | -27.84                  | 68.3                        | 32.13                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 262                     | Average |
| 5725                 | 50.86               | -37.44                  | 88.3                        | 42.53                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 262                     | Peak    |
| 11200                | 52.78               | -1.22                   | 54                          | 60.12                   | 37.86                       | 10.46                   | 55.66                      | 124                  | 51                      | Average |
| 11200                | 66.51               | -7.49                   | 74                          | 73.85                   | 37.86                       | 10.46                   | 55.66                      | 124                  | 51                      | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 140                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5700 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5362                 | 39.51               | -14.49                  | 54                          | 31.83                   | 34.09                       | 6.82                    | 33.23                      | 100                  | 280                     | Average |
| 5362                 | 51.67               | -22.33                  | 74                          | 43.99                   | 34.09                       | 6.82                    | 33.23                      | 100                  | 280                     | Peak    |
| 5470                 | 38.91               | -29.39                  | 68.3                        | 31.06                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 280                     | Average |
| 5470                 | 50.58               | -37.72                  | 88.3                        | 42.73                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 280                     | Peak    |
| 5700                 | 93.55               | -                       | -                           | 85.27                   | 34.47                       | 7                       | 33.19                      | 100                  | 280                     | Average |
| 5700                 | 104.86              | -                       | -                           | 96.58                   | 34.47                       | 7                       | 33.19                      | 100                  | 280                     | Peak    |
| 5725                 | 49.09               | -19.21                  | 68.3                        | 40.76                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 280                     | Average |
| 5725                 | 66.96               | -21.34                  | 88.3                        | 58.63                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 280                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 140                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5700 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5458                 | 42.8                | -11.2                   | 54                          | 34.98                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 280                     | Average |
| 5458                 | 54.81               | -19.19                  | 74                          | 46.99                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 280                     | Peak    |
| 5470                 | 40.05               | -28.25                  | 68.3                        | 32.2                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 280                     | Average |
| 5470                 | 51.47               | -36.83                  | 88.3                        | 43.62                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 280                     | Peak    |
| 5700                 | 104.83              | -                       | -                           | 96.55                   | 34.47                       | 7                       | 33.19                      | 100                  | 280                     | Average |
| 5700                 | 115.67              | -                       | -                           | 107.39                  | 34.47                       | 7                       | 33.19                      | 100                  | 280                     | Peak    |
| 5725                 | 57.01               | -11.29                  | 68.3                        | 48.68                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 280                     | Average |
| 5725                 | 78.73               | -9.57                   | 88.3                        | 70.4                    | 34.51                       | 7.01                    | 33.19                      | 100                  | 280                     | Peak    |
| 11400                | 48.6                | -5.4                    | 54                          | 55.81                   | 38.02                       | 10.47                   | 55.7                       | 129                  | 140                     | Average |
| 11400                | 61.37               | -12.63                  | 74                          | 68.58                   | 38.02                       | 10.47                   | 55.7                       | 129                  | 140                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 38                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5190 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5148                 | 42.89               | -11.11                  | 54                          | 33.88                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 95                      | Average |
| 5148                 | 58.51               | -15.49                  | 74                          | 49.5                    | 34.25                       | 9.41                    | 34.65                      | 100                  | 95                      | Peak    |
| 5190                 | 86.15               | -                       | -                           | 77.15                   | 34.28                       | 9.49                    | 34.77                      | 100                  | 95                      | Average |
| 5190                 | 97.45               | -                       | -                           | 88.5                    | 34.3                        | 9.49                    | 34.84                      | 100                  | 95                      | Peak    |
| 5356                 | 40.78               | -13.22                  | 54                          | 31.95                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 95                      | Average |
| 5356                 | 51.54               | -22.46                  | 74                          | 42.71                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 95                      | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 38                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5190 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5150                 | 53.11               | -0.89                   | 54                          | 44.1                    | 34.25                       | 9.41                    | 34.65                      | 100                  | 95                      | Average |
| 5150                 | 68.85               | -5.15                   | 74                          | 59.84                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 95                      | Peak    |
| 5190                 | 94.3                | -                       | -                           | 85.3                    | 34.28                       | 9.49                    | 34.77                      | 100                  | 95                      | Average |
| 5190                 | 106.25              | -                       | -                           | 97.3                    | 34.3                        | 9.49                    | 34.84                      | 100                  | 95                      | Peak    |
| 5358                 | 43.21               | -10.79                  | 54                          | 34.38                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 95                      | Average |
| 5358                 | 53.07               | -20.93                  | 74                          | 44.24                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 95                      | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 46                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5230 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5150                 | 44.61               | -9.39                   | 54                          | 35.6                    | 34.25                       | 9.41                    | 34.65                      | 100                  | 95                      | Average |
| 5150                 | 61.02               | -12.98                  | 74                          | 52.01                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 95                      | Peak    |
| 5230                 | 94.22               | -                       | -                           | 85.32                   | 34.33                       | 9.53                    | 34.96                      | 100                  | 95                      | Average |
| 5230                 | 106.63              | -                       | -                           | 97.68                   | 34.32                       | 9.53                    | 34.9                       | 100                  | 95                      | Peak    |
| 5356                 | 40.98               | -13.02                  | 54                          | 32.15                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 95                      | Average |
| 5356                 | 55.8                | -18.2                   | 74                          | 46.97                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 95                      | Peak    |
| 15690                | 39.26               | -14.74                  | 54                          | 64.82                   | -6.68                       | 14.18                   | 33.06                      | 100                  | 289                     | Average |
| 15690                | 50.59               | -23.41                  | 74                          | 76.15                   | -6.68                       | 14.2                    | 33.08                      | 100                  | 289                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 46                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5230 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5147.04              | 52.39               | -1.61                   | 54                          | 43.38                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 95                      | Average |
| 5147.04              | 70.6                | -3.4                    | 74                          | 61.59                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 95                      | Peak    |
| 5230                 | 101.94              | -                       | -                           | 93.04                   | 34.33                       | 9.53                    | 34.96                      | 100                  | 95                      | Average |
| 5230                 | 114.89              | -                       | -                           | 105.99                  | 34.33                       | 9.53                    | 34.96                      | 100                  | 95                      | Peak    |
| 5356                 | 41.82               | -12.18                  | 54                          | 32.99                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 95                      | Average |
| 5356                 | 60.7                | -13.3                   | 74                          | 51.87                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 95                      | Peak    |
| 10460                | 44.66               | -29.34                  | 74                          | 76.62                   | -9.05                       | 11.18                   | 34.09                      | 100                  | 289                     | Peak    |
| 15690                | 45.19               | -8.81                   | 54                          | 70.75                   | -6.68                       | 14.18                   | 33.06                      | 100                  | 289                     | Average |
| 15690                | 60.44               | -13.56                  | 74                          | 85.99                   | -6.67                       | 14.18                   | 33.06                      | 100                  | 289                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 54                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5270 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5062.56              | 39.91               | -14.09                  | 54                          | 30.82                   | 34.17                       | 9.25                    | 34.33                      | 100                  | 82                      | Average |
| 5062.56              | 53.46               | -20.54                  | 74                          | 44.37                   | 34.17                       | 9.25                    | 34.33                      | 100                  | 82                      | Peak    |
| 5270                 | 95.96               | -                       | -                           | 87.06                   | 34.37                       | 9.62                    | 35.09                      | 100                  | 82                      | Average |
| 5270                 | 107.55              | -                       | -                           | 98.7                    | 34.38                       | 9.62                    | 35.15                      | 100                  | 82                      | Peak    |
| 5358                 | 43.11               | -10.89                  | 54                          | 34.28                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 82                      | Average |
| 5358                 | 62.73               | -11.27                  | 74                          | 53.9                    | 34.45                       | 9.78                    | 35.4                       | 100                  | 82                      | Peak    |
| 10540                | 40.88               | -33.12                  | 74                          | 72.64                   | -9.04                       | 11.31                   | 34.03                      | 100                  | 103                     | Peak    |
| 15810                | 33.85               | -20.15                  | 54                          | 59.48                   | -6.72                       | 14.25                   | 33.16                      | 100                  | 103                     | Average |
| 15810                | 48.15               | -25.85                  | 74                          | 73.78                   | -6.72                       | 14.23                   | 33.14                      | 100                  | 103                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 54                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5270 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5148.5               | 40.8                | -13.2                   | 54                          | 31.79                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 82                      | Average |
| 5148.5               | 54.62               | -19.38                  | 74                          | 45.61                   | 34.25                       | 9.41                    | 34.65                      | 100                  | 82                      | Peak    |
| 5270                 | 98.59               | -                       | -                           | 89.69                   | 34.37                       | 9.62                    | 35.09                      | 100                  | 82                      | Average |
| 5270                 | 111.75              | -                       | -                           | 102.9                   | 34.38                       | 9.62                    | 35.15                      | 100                  | 82                      | Peak    |
| 5354.95              | 47.92               | -6.08                   | 54                          | 39.09                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 82                      | Average |
| 5354.95              | 68.76               | -5.24                   | 74                          | 59.93                   | 34.45                       | 9.78                    | 35.4                       | 100                  | 82                      | Peak    |
| 15810                | 47.9                | -6.1                    | 54                          | 73.53                   | -6.72                       | 14.25                   | 33.16                      | 100                  | 103                     | Average |
| 15810                | 63.16               | -10.84                  | 74                          | 88.8                    | -6.73                       | 14.26                   | 33.17                      | 100                  | 103                     | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 62                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5310 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5016.48              | 40.24               | -13.76                  | 54                          | 31.09                   | 34.12                       | 9.17                    | 34.14                      | 100                  | 273                     | Average |
| 5016.48              | 53                  | -21                     | 74                          | 43.85                   | 34.12                       | 9.17                    | 34.14                      | 100                  | 273                     | Peak    |
| 5310                 | 87.62               | -                       | -                           | 78.78                   | 34.42                       | 9.7                     | 35.28                      | 100                  | 273                     | Average |
| 5310                 | 99.75               | -                       | -                           | 90.91                   | 34.42                       | 9.7                     | 35.28                      | 100                  | 273                     | Peak    |
| 5351.52              | 46.1                | -7.9                    | 54                          | 37.31                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 273                     | Average |
| 5351.52              | 63.31               | -10.69                  | 74                          | 54.52                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 273                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 62                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5310 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5064.48              | 40.23               | -13.77                  | 54                          | 31.14                   | 34.17                       | 9.25                    | 34.33                      | 100                  | 273                     | Average |
| 5064.48              | 53.51               | -20.49                  | 74                          | 44.42                   | 34.17                       | 9.25                    | 34.33                      | 100                  | 273                     | Peak    |
| 5310                 | 94.12               | -                       | -                           | 85.28                   | 34.42                       | 9.7                     | 35.28                      | 100                  | 273                     | Average |
| 5310                 | 106.95              | -                       | -                           | 98.11                   | 34.42                       | 9.7                     | 35.28                      | 100                  | 273                     | Peak    |
| 5350                 | 52.37               | -1.63                   | 54                          | 43.58                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 273                     | Average |
| 5350                 | 73.66               | -0.34                   | 74                          | 64.87                   | 34.45                       | 9.74                    | 35.4                       | 100                  | 273                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 102                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5510 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5458                 | 47.07               | -6.93                   | 54                          | 39.25                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 110                     | Average |
| 5458                 | 65.4                | -8.6                    | 74                          | 57.58                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 110                     | Peak    |
| 5470                 | 52.85               | -15.45                  | 68.3                        | 45                      | 34.17                       | 6.87                    | 33.19                      | 100                  | 110                     | Average |
| 5470                 | 70.35               | -17.95                  | 88.3                        | 62.5                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 110                     | Peak    |
| 5510                 | 91.45               | -                       | -                           | 83.54                   | 34.2                        | 6.88                    | 33.17                      | 100                  | 110                     | Average |
| 5510                 | 104.28              | -                       | -                           | 96.38                   | 34.2                        | 6.88                    | 33.18                      | 100                  | 110                     | Peak    |
| 5725                 | 39.74               | -28.56                  | 68.3                        | 31.41                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 110                     | Average |
| 5725                 | 51.33               | -36.97                  | 88.3                        | 43                      | 34.51                       | 7.01                    | 33.19                      | 100                  | 110                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 102                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5510 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5460                 | 50.92               | -3.08                   | 54                          | 43.1                    | 34.16                       | 6.85                    | 33.19                      | 100                  | 110                     | Average |
| 5460                 | 73.26               | -0.74                   | 74                          | 65.44                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 110                     | Peak    |
| 5470                 | 58.11               | -10.19                  | 68.3                        | 50.26                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 110                     | Average |
| 5470                 | 77.42               | -10.88                  | 88.3                        | 69.57                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 110                     | Peak    |
| 5510                 | 96.39               | -                       | -                           | 88.48                   | 34.2                        | 6.88                    | 33.17                      | 100                  | 110                     | Average |
| 5510                 | 109.61              | -                       | -                           | 101.71                  | 34.2                        | 6.88                    | 33.18                      | 100                  | 110                     | Peak    |
| 5725                 | 39.9                | -28.4                   | 68.3                        | 31.57                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 110                     | Average |
| 5725                 | 52.15               | -36.15                  | 88.3                        | 43.82                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 110                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 118                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5590 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5456                 | 41.33               | -12.67                  | 54                          | 33.51                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 110                     | Average |
| 5456                 | 52.9                | -21.1                   | 74                          | 45.08                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 110                     | Peak    |
| 5470                 | 40.31               | -27.99                  | 68.3                        | 32.46                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 110                     | Average |
| 5470                 | 52.77               | -35.53                  | 88.3                        | 44.92                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 110                     | Peak    |
| 5590                 | 96.56               | -                       | -                           | 88.48                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 110                     | Average |
| 5590                 | 109.63              | -                       | -                           | 101.53                  | 34.34                       | 6.94                    | 33.18                      | 100                  | 110                     | Peak    |
| 5725                 | 40.03               | -28.27                  | 68.3                        | 31.7                    | 34.51                       | 7.01                    | 33.19                      | 100                  | 110                     | Average |
| 5725                 | 52.12               | -36.18                  | 88.3                        | 43.79                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 110                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 118                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5590 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5458                 | 41.89               | -12.11                  | 54                          | 34.07                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 110                     | Average |
| 5458                 | 57.74               | -16.26                  | 74                          | 49.92                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 110                     | Peak    |
| 5470                 | 42.34               | -25.96                  | 68.3                        | 34.49                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 110                     | Average |
| 5470                 | 56.13               | -32.17                  | 88.3                        | 48.28                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 110                     | Peak    |
| 5590                 | 100.05              | -                       | -                           | 91.97                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 110                     | Average |
| 5590                 | 113.28              | -                       | -                           | 105.21                  | 34.32                       | 6.93                    | 33.18                      | 100                  | 110                     | Peak    |
| 5725                 | 41.69               | -26.61                  | 68.3                        | 33.36                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 110                     | Average |
| 5725                 | 51.67               | -36.63                  | 88.3                        | 43.34                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 110                     | Peak    |
| 11180                | 48.71               | -5.29                   | 54                          | 56.06                   | 37.85                       | 10.46                   | 55.66                      | 120                  | 54                      | Average |
| 11180                | 62.63               | -11.37                  | 74                          | 69.98                   | 37.85                       | 10.46                   | 55.66                      | 120                  | 54                      | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 134                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5670 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5404                 | 40.85               | -13.15                  | 54                          | 33.11                   | 34.12                       | 6.83                    | 33.21                      | 100                  | 259                     | Average |
| 5404                 | 52.38               | -21.62                  | 74                          | 44.64                   | 34.12                       | 6.83                    | 33.21                      | 100                  | 259                     | Peak    |
| 5470                 | 39.43               | -28.87                  | 68.3                        | 31.58                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 259                     | Average |
| 5470                 | 51.26               | -37.04                  | 88.3                        | 43.41                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 259                     | Peak    |
| 5670                 | 93.03               | -                       | -                           | 84.78                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 259                     | Average |
| 5670                 | 105.9               | -                       | -                           | 97.65                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 259                     | Peak    |
| 5725                 | 48.68               | -19.62                  | 68.3                        | 40.35                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 259                     | Average |
| 5725                 | 70.87               | -17.43                  | 88.3                        | 62.54                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 259                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 134                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5670 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5424                 | 48.3                | -5.7                    | 54                          | 40.54                   | 34.13                       | 6.84                    | 33.21                      | 100                  | 259                     | Average |
| 5424                 | 54.76               | -19.24                  | 74                          | 47                      | 34.13                       | 6.84                    | 33.21                      | 100                  | 259                     | Peak    |
| 5470                 | 47.55               | -20.75                  | 68.3                        | 39.7                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 259                     | Average |
| 5470                 | 53.19               | -35.11                  | 88.3                        | 45.34                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 259                     | Peak    |
| 5670                 | 103.92              | -                       | -                           | 95.67                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 259                     | Average |
| 5670                 | 116.94              | -                       | -                           | 108.69                  | 34.44                       | 6.99                    | 33.18                      | 100                  | 259                     | Peak    |
| 5725                 | 64.36               | -3.94                   | 68.3                        | 56.03                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 259                     | Average |
| 5725                 | 84.29               | -4.01                   | 88.3                        | 75.96                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 259                     | Peak    |
| 11340                | 46.61               | -7.39                   | 54                          | 53.86                   | 37.97                       | 10.47                   | 55.69                      | 132                  | 36                      | Average |
| 11340                | 59.13               | -14.87                  | 74                          | 66.38                   | 37.97                       | 10.47                   | 55.69                      | 132                  | 36                      | Peak    |

**<Beam-Forming Off: 2x3>**

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 36                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5180 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5147.6               | 41.7                | -12.3                   | 54                          | 34.41                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 297                     | Average |
| 5147.6               | 61.89               | -12.11                  | 74                          | 54.6                    | 33.92                       | 6.7                     | 33.33                      | 100                  | 297                     | Peak    |
| 5180                 | 92.76               | -                       | -                           | 85.42                   | 33.95                       | 6.71                    | 33.32                      | 100                  | 297                     | Average |
| 5180                 | 104.18              | -                       | -                           | 96.84                   | 33.95                       | 6.71                    | 33.32                      | 100                  | 297                     | Peak    |
| 5388                 | 39.39               | -14.61                  | 54                          | 31.67                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 297                     | Average |
| 5388                 | 54.32               | -19.68                  | 74                          | 46.6                    | 34.11                       | 6.83                    | 33.22                      | 100                  | 297                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 36                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5180 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5148.95              | 46.81               | -7.19                   | 54                          | 39.52                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 297                     | Average |
| 5148.95              | 70.47               | -3.53                   | 74                          | 63.18                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 297                     | Peak    |
| 5180                 | 101.35              | -                       | -                           | 94.01                   | 33.95                       | 6.71                    | 33.32                      | 100                  | 297                     | Average |
| 5180                 | 112.49              | -                       | -                           | 105.15                  | 33.95                       | 6.71                    | 33.32                      | 100                  | 297                     | Peak    |
| 5428                 | 43.84               | -10.16                  | 54                          | 36.08                   | 34.13                       | 6.84                    | 33.21                      | 100                  | 297                     | Average |
| 5428                 | 55.05               | -18.95                  | 74                          | 47.29                   | 34.13                       | 6.84                    | 33.21                      | 100                  | 297                     | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 44                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5220 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5034                 | 39.71               | -14.29                  | 54                          | 32.63                   | 33.83                       | 6.63                    | 33.38                      | 100                  | 280                     | Average |
| 5034                 | 54.43               | -19.57                  | 74                          | 47.35                   | 33.83                       | 6.63                    | 33.38                      | 100                  | 280                     | Peak    |
| 5220                 | 94.77               | -                       | -                           | 87.36                   | 33.97                       | 6.74                    | 33.3                       | 100                  | 280                     | Average |
| 5220                 | 105.99              | -                       | -                           | 98.58                   | 33.97                       | 6.74                    | 33.3                       | 100                  | 280                     | Peak    |
| 5362                 | 41.92               | -12.08                  | 54                          | 34.24                   | 34.09                       | 6.82                    | 33.23                      | 100                  | 280                     | Average |
| 5362                 | 54.32               | -19.68                  | 74                          | 46.64                   | 34.09                       | 6.82                    | 33.23                      | 100                  | 280                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 44                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5220 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5112                 | 40.75               | -13.25                  | 54                          | 33.53                   | 33.89                       | 6.68                    | 33.35                      | 100                  | 280                     | Average |
| 5112                 | 54.74               | -19.26                  | 74                          | 47.52                   | 33.89                       | 6.68                    | 33.35                      | 100                  | 280                     | Peak    |
| 5220                 | 100.85              | -                       | -                           | 93.44                   | 33.97                       | 6.74                    | 33.3                       | 100                  | 280                     | Average |
| 5220                 | 112.38              | -                       | -                           | 104.97                  | 33.97                       | 6.74                    | 33.3                       | 100                  | 280                     | Peak    |
| 5360                 | 49.76               | -4.24                   | 54                          | 42.11                   | 34.08                       | 6.8                     | 33.23                      | 100                  | 280                     | Average |
| 5360                 | 57.67               | -16.33                  | 74                          | 50.02                   | 34.08                       | 6.8                     | 33.23                      | 100                  | 280                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 48                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5240 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5002                 | 39.77               | -14.23                  | 54                          | 32.74                   | 33.8                        | 6.62                    | 33.39                      | 100                  | 280                     | Average |
| 5002                 | 54.4                | -19.6                   | 74                          | 47.37                   | 33.8                        | 6.62                    | 33.39                      | 100                  | 280                     | Peak    |
| 5240                 | 96.53               | -                       | -                           | 89.08                   | 33.99                       | 6.75                    | 33.29                      | 100                  | 280                     | Average |
| 5240                 | 107.85              | -                       | -                           | 100.4                   | 33.99                       | 6.75                    | 33.29                      | 100                  | 280                     | Peak    |
| 5414                 | 42.06               | -11.94                  | 54                          | 34.3                    | 34.13                       | 6.84                    | 33.21                      | 100                  | 280                     | Average |
| 5414                 | 54.8                | -19.2                   | 74                          | 47.04                   | 34.13                       | 6.84                    | 33.21                      | 100                  | 280                     | Peak    |
| 10480                | 38                  | -30.3                   | 68.3                        | 46.91                   | 37.39                       | 10.17                   | 56.47                      | 119                  | 110                     | Average |
| 10480                | 50.07               | -38.23                  | 88.3                        | 58.98                   | 37.39                       | 10.17                   | 56.47                      | 119                  | 110                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 48                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5240 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5114                 | 40.82               | -13.18                  | 54                          | 33.6                    | 33.89                       | 6.68                    | 33.35                      | 100                  | 280                     | Average |
| 5114                 | 55.58               | -18.42                  | 74                          | 48.36                   | 33.89                       | 6.68                    | 33.35                      | 100                  | 280                     | Peak    |
| 5240                 | 100.68              | -                       | -                           | 93.23                   | 33.99                       | 6.75                    | 33.29                      | 100                  | 280                     | Average |
| 5240                 | 112.28              | -                       | -                           | 104.83                  | 33.99                       | 6.75                    | 33.29                      | 100                  | 280                     | Peak    |
| 5360                 | 50.02               | -3.98                   | 54                          | 42.37                   | 34.08                       | 6.8                     | 33.23                      | 100                  | 280                     | Average |
| 5360                 | 56.04               | -17.96                  | 74                          | 48.39                   | 34.08                       | 6.8                     | 33.23                      | 100                  | 280                     | Peak    |
| 15720                | 46.01               | -7.99                   | 54                          | 47.37                   | 40.2                        | 12.25                   | 53.81                      | 119                  | 110                     | Average |
| 15720                | 60.15               | -13.85                  | 74                          | 61.51                   | 40.2                        | 12.25                   | 53.81                      | 119                  | 110                     | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 52                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5260 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5096                 | 35.87               | -18.13                  | 54                          | 28.67                   | 33.88                       | 6.67                    | 33.35                      | 100                  | 83                      | Average |
| 5096                 | 51.16               | -22.84                  | 74                          | 43.96                   | 33.88                       | 6.67                    | 33.35                      | 100                  | 83                      | Peak    |
| 5260                 | 101.52              | -                       | -                           | 94.03                   | 34.01                       | 6.75                    | 33.27                      | 100                  | 83                      | Average |
| 5260                 | 108.31              | -                       | -                           | 100.81                  | 34.01                       | 6.76                    | 33.27                      | 100                  | 83                      | Peak    |
| 5360                 | 37.31               | -16.69                  | 54                          | 29.66                   | 34.08                       | 6.8                     | 33.23                      | 100                  | 83                      | Average |
| 5360                 | 51.36               | -22.64                  | 74                          | 43.71                   | 34.08                       | 6.8                     | 33.23                      | 100                  | 83                      | Peak    |
| 15780                | 43.01               | -10.99                  | 54                          | 44.47                   | 40.2                        | 12.2                    | 53.86                      | 171                  | 289                     | Average |
| 15780                | 56.38               | -17.62                  | 74                          | 57.84                   | 40.2                        | 12.2                    | 53.86                      | 171                  | 289                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 52                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5260 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5142                 | 39.89               | -14.11                  | 54                          | 32.64                   | 33.91                       | 6.68                    | 33.34                      | 100                  | 83                      | Average |
| 5142                 | 54.91               | -19.09                  | 74                          | 47.66                   | 33.91                       | 6.68                    | 33.34                      | 100                  | 83                      | Peak    |
| 5260                 | 106.17              | -                       | -                           | 98.68                   | 34.01                       | 6.75                    | 33.27                      | 100                  | 83                      | Average |
| 5260                 | 113.24              | -                       | -                           | 105.74                  | 34.01                       | 6.76                    | 33.27                      | 100                  | 83                      | Peak    |
| 5458                 | 41.93               | -12.07                  | 54                          | 34.14                   | 34.15                       | 6.84                    | 33.2                       | 100                  | 83                      | Average |
| 5458                 | 55.81               | -18.19                  | 74                          | 48.02                   | 34.15                       | 6.84                    | 33.2                       | 100                  | 83                      | Peak    |
| 15780                | 53.31               | -0.69                   | 54                          | 54.77                   | 40.2                        | 12.2                    | 53.86                      | 182                  | 171                     | Average |
| 15780                | 66.63               | -7.37                   | 74                          | 68.09                   | 40.2                        | 12.2                    | 53.86                      | 182                  | 171                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 60                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5300 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5046                 | 38.15               | -15.85                  | 54                          | 31.03                   | 33.84                       | 6.65                    | 33.37                      | 100                  | 282                     | Average |
| 5046                 | 55.09               | -18.91                  | 74                          | 47.97                   | 33.84                       | 6.65                    | 33.37                      | 100                  | 282                     | Peak    |
| 5300                 | 98.36               | -                       | -                           | 90.8                    | 34.04                       | 6.78                    | 33.26                      | 100                  | 282                     | Average |
| 5300                 | 109.64              | -                       | -                           | 102.08                  | 34.04                       | 6.78                    | 33.26                      | 100                  | 282                     | Peak    |
| 5350                 | 41.22               | -12.78                  | 54                          | 33.58                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 282                     | Average |
| 5350                 | 58.8                | -15.2                   | 74                          | 51.16                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 282                     | Peak    |
| 10600                | 43.11               | -10.89                  | 54                          | 51.71                   | 37.46                       | 10.22                   | 56.28                      | 100                  | 256                     | Average |
| 10600                | 56.61               | -17.39                  | 74                          | 65.21                   | 37.46                       | 10.22                   | 56.28                      | 100                  | 256                     | Peak    |
| 15900                | 43.87               | -10.13                  | 54                          | 45.52                   | 40.2                        | 12.12                   | 53.97                      | 100                  | 0                       | Average |
| 15900                | 57.37               | -16.63                  | 74                          | 59.02                   | 40.2                        | 12.12                   | 53.97                      | 100                  | 0                       | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 60                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5300 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5100                 | 39.17               | -14.83                  | 54                          | 31.97                   | 33.88                       | 6.67                    | 33.35                      | 100                  | 282                     | Average |
| 5100                 | 55.65               | -18.35                  | 74                          | 48.45                   | 33.88                       | 6.67                    | 33.35                      | 100                  | 282                     | Peak    |
| 5300                 | 105.24              | -                       | -                           | 97.68                   | 34.04                       | 6.78                    | 33.26                      | 100                  | 282                     | Average |
| 5300                 | 117.12              | -                       | -                           | 109.56                  | 34.04                       | 6.78                    | 33.26                      | 100                  | 282                     | Peak    |
| 5356                 | 46.47               | -7.53                   | 54                          | 38.82                   | 34.08                       | 6.8                     | 33.23                      | 100                  | 282                     | Average |
| 5356                 | 68.21               | -5.79                   | 74                          | 60.56                   | 34.08                       | 6.8                     | 33.23                      | 100                  | 282                     | Peak    |
| 10600                | 46.43               | -7.57                   | 54                          | 55.03                   | 37.46                       | 10.22                   | 56.28                      | 155                  | 0                       | Average |
| 10600                | 58.8                | -15.2                   | 74                          | 67.4                    | 37.46                       | 10.22                   | 56.28                      | 155                  | 0                       | Peak    |
| 15900                | 53.64               | -0.36                   | 54                          | 55.29                   | 40.2                        | 12.12                   | 53.97                      | 137                  | 78                      | Average |
| 15900                | 67.14               | -6.86                   | 74                          | 68.79                   | 40.2                        | 12.12                   | 53.97                      | 137                  | 78                      | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 64                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5320 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5112.2               | 48.45               | -5.55                   | 54                          | 41.23                   | 33.89                       | 6.68                    | 33.35                      | 100                  | 295                     | Average |
| 5112.2               | 61.61               | -12.39                  | 74                          | 54.39                   | 33.89                       | 6.68                    | 33.35                      | 100                  | 295                     | Peak    |
| 5320                 | 93.96               | -                       | -                           | 86.37                   | 34.05                       | 6.79                    | 33.25                      | 100                  | 295                     | Average |
| 5320                 | 105.58              | -                       | -                           | 97.99                   | 34.05                       | 6.79                    | 33.25                      | 100                  | 295                     | Peak    |
| 5351.65              | 49.11               | -4.89                   | 54                          | 41.47                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Average |
| 5351.65              | 63.14               | -10.86                  | 74                          | 55.5                    | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 64                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5320 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5012.15              | 48.32               | -5.68                   | 54                          | 41.27                   | 33.81                       | 6.63                    | 33.39                      | 100                  | 295                     | Average |
| 5012.15              | 61.96               | -12.04                  | 74                          | 54.91                   | 33.81                       | 6.63                    | 33.39                      | 100                  | 295                     | Peak    |
| 5320                 | 101.47              | -                       | -                           | 93.88                   | 34.05                       | 6.79                    | 33.25                      | 100                  | 295                     | Average |
| 5320                 | 113.19              | -                       | -                           | 105.6                   | 34.05                       | 6.79                    | 33.25                      | 100                  | 295                     | Peak    |
| 5350.55              | 51.81               | -2.19                   | 54                          | 44.17                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Average |
| 5350.55              | 73.68               | -0.32                   | 74                          | 66.04                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Peak    |
| 10640                | 43.41               | -10.59                  | 54                          | 51.9                    | 37.48                       | 10.25                   | 56.22                      | 136                  | 109                     | Average |
| 10640                | 53.43               | -20.57                  | 74                          | 61.92                   | 37.48                       | 10.25                   | 56.22                      | 136                  | 109                     | Peak    |
| 15960                | 47.95               | -6.05                   | 54                          | 49.71                   | 40.2                        | 12.08                   | 54.04                      | 159                  | 173                     | Average |
| 15960                | 57.97               | -16.03                  | 74                          | 59.73                   | 40.2                        | 12.08                   | 54.04                      | 159                  | 173                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 100                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5500 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5458.72              | 39.92               | -14.08                  | 54                          | 32.1                    | 34.16                       | 6.85                    | 33.19                      | 100                  | 271                     | Average |
| 5458.72              | 59.63               | -14.37                  | 74                          | 51.81                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 271                     | Peak    |
| 5470                 | 45.38               | -22.92                  | 68.3                        | 37.53                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 271                     | Average |
| 5470                 | 65.4                | -22.9                   | 88.3                        | 57.55                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 271                     | Peak    |
| 5500                 | 86.48               | -                       | -                           | 78.57                   | 34.2                        | 6.88                    | 33.17                      | 100                  | 271                     | Average |
| 5500                 | 97.91               | -                       | -                           | 90                      | 34.2                        | 6.88                    | 33.17                      | 100                  | 271                     | Peak    |
| 5725                 | 38.82               | -29.48                  | 68.3                        | 30.49                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 271                     | Average |
| 5725                 | 54.02               | -34.28                  | 88.3                        | 45.69                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 271                     | Peak    |
| 11000                | 44.56               | -9.44                   | 54                          | 52.04                   | 37.7                        | 10.44                   | 55.62                      | 145                  | 18                      | Average |
| 11000                | 57.64               | -16.36                  | 74                          | 65.12                   | 37.7                        | 10.44                   | 55.62                      | 145                  | 18                      | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 100                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5500 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5459.56              | 43.62               | -10.38                  | 54                          | 35.8                    | 34.16                       | 6.85                    | 33.19                      | 100                  | 271                     | Average |
| 5459.56              | 68.44               | -5.56                   | 74                          | 60.62                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 271                     | Peak    |
| 5470                 | 54.87               | -13.43                  | 68.3                        | 47.02                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 271                     | Average |
| 5470                 | 75.51               | -12.79                  | 88.3                        | 67.66                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 271                     | Peak    |
| 5500                 | 98.39               | -                       | -                           | 90.48                   | 34.2                        | 6.88                    | 33.17                      | 100                  | 271                     | Average |
| 5500                 | 110.12              | -                       | -                           | 102.21                  | 34.2                        | 6.88                    | 33.17                      | 100                  | 271                     | Peak    |
| 5725                 | 39.05               | -29.25                  | 68.3                        | 30.72                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 271                     | Average |
| 5725                 | 54.97               | -33.33                  | 88.3                        | 46.64                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 271                     | Peak    |
| 11000                | 50.13               | -3.87                   | 54                          | 57.61                   | 37.7                        | 10.44                   | 55.62                      | 145                  | 18                      | Average |
| 11000                | 62.23               | -11.77                  | 74                          | 69.71                   | 37.7                        | 10.44                   | 55.62                      | 145                  | 18                      | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 120                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5600 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 38.07               | -30.23                  | 68.3                        | 30.22                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 251                     | Average |
| 5470                 | 53.51               | -34.79                  | 88.3                        | 45.66                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 251                     | Peak    |
| 5600                 | 89.68               | -                       | -                           | 81.58                   | 34.34                       | 6.94                    | 33.18                      | 100                  | 251                     | Average |
| 5600                 | 101.5               | -                       | -                           | 93.4                    | 34.34                       | 6.94                    | 33.18                      | 100                  | 251                     | Peak    |
| 5725                 | 38.79               | -29.51                  | 68.3                        | 30.46                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 251                     | Average |
| 5725                 | 52.75               | -35.55                  | 88.3                        | 44.42                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 251                     | Peak    |
| 11200                | 43.57               | -10.43                  | 54                          | 50.91                   | 37.86                       | 10.46                   | 55.66                      | 154                  | 17                      | Average |
| 11200                | 56.01               | -17.99                  | 74                          | 63.35                   | 37.86                       | 10.46                   | 55.66                      | 154                  | 17                      | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 120                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5600 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 38.72               | -29.58                  | 68.3                        | 30.87                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 251                     | Average |
| 5470                 | 53.86               | -34.44                  | 88.3                        | 46.01                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 251                     | Peak    |
| 5600                 | 99.08               | -                       | -                           | 90.98                   | 34.34                       | 6.94                    | 33.18                      | 100                  | 251                     | Average |
| 5600                 | 111.3               | -                       | -                           | 103.2                   | 34.34                       | 6.94                    | 33.18                      | 100                  | 251                     | Peak    |
| 5725                 | 39.17               | -29.13                  | 68.3                        | 30.84                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 251                     | Average |
| 5725                 | 53.29               | -35.01                  | 88.3                        | 44.96                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 251                     | Peak    |
| 11200                | 52.09               | -1.91                   | 54                          | 59.43                   | 37.86                       | 10.46                   | 55.66                      | 154                  | 17                      | Average |
| 11200                | 64.56               | -9.44                   | 74                          | 71.9                    | 37.86                       | 10.46                   | 55.66                      | 154                  | 17                      | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 140                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5700 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5460                 | 37.72               | -16.28                  | 54                          | 29.9                    | 34.16                       | 6.85                    | 33.19                      | 100                  | 265                     | Average |
| 5460                 | 52.34               | -21.66                  | 74                          | 44.52                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 265                     | Peak    |
| 5700                 | 85.5                | -                       | -                           | 77.22                   | 34.47                       | 7                       | 33.19                      | 100                  | 265                     | Average |
| 5700                 | 96.64               | -                       | -                           | 88.36                   | 34.47                       | 7                       | 33.19                      | 100                  | 265                     | Peak    |
| 5725                 | 47.17               | -21.13                  | 68.3                        | 38.84                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 265                     | Average |
| 5725                 | 65.44               | -22.86                  | 88.3                        | 57.11                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 265                     | Peak    |
| 11400                | 46.37               | -7.63                   | 54                          | 53.58                   | 38.02                       | 10.47                   | 55.7                       | 145                  | 180                     | Average |
| 11400                | 59.88               | -14.12                  | 74                          | 67.09                   | 38.02                       | 10.47                   | 55.7                       | 145                  | 180                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-20) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 140                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5700 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 37.75               | -30.55                  | 68.3                        | 29.9                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 265                     | Average |
| 5470                 | 52.67               | -35.63                  | 88.3                        | 44.82                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 265                     | Peak    |
| 5700                 | 102.33              | -                       | -                           | 94.05                   | 34.47                       | 7                       | 33.19                      | 100                  | 265                     | Average |
| 5700                 | 113.35              | -                       | -                           | 105.07                  | 34.47                       | 7                       | 33.19                      | 100                  | 265                     | Peak    |
| 5725                 | 62.11               | -6.19                   | 68.3                        | 53.78                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 265                     | Average |
| 5725                 | 82.98               | -5.32                   | 88.3                        | 74.65                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 265                     | Peak    |
| 11400                | 53.53               | -0.47                   | 54                          | 60.74                   | 38.02                       | 10.47                   | 55.7                       | 145                  | 180                     | Average |
| 11400                | 68.21               | -5.79                   | 74                          | 75.42                   | 38.02                       | 10.47                   | 55.7                       | 145                  | 180                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 38                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5190 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5144.45              | 48                  | -6                      | 54                          | 40.71                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 293                     | Average |
| 5144.45              | 68.87               | -5.13                   | 74                          | 61.58                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 293                     | Peak    |
| 5190                 | 88.24               | -                       | -                           | 80.88                   | 33.95                       | 6.72                    | 33.31                      | 100                  | 293                     | Average |
| 5190                 | 100.38              | -                       | -                           | 93.02                   | 33.95                       | 6.72                    | 33.31                      | 100                  | 293                     | Peak    |
| 5390                 | 40.11               | -13.89                  | 54                          | 32.39                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 293                     | Average |
| 5390                 | 54.44               | -19.56                  | 74                          | 46.72                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 293                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 38                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5190 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5144.15              | 53.37               | -0.63                   | 54                          | 46.08                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 293                     | Average |
| 5144.15              | 71.87               | -2.13                   | 74                          | 64.58                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 293                     | Peak    |
| 5190                 | 94.37               | -                       | -                           | 87.01                   | 33.95                       | 6.72                    | 33.31                      | 100                  | 293                     | Average |
| 5190                 | 106.46              | -                       | -                           | 99.1                    | 33.95                       | 6.72                    | 33.31                      | 100                  | 293                     | Peak    |
| 5394                 | 45.58               | -8.42                   | 54                          | 37.86                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 293                     | Average |
| 5394                 | 55.14               | -18.86                  | 74                          | 47.42                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 293                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 46                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5230 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5070                 | 38.66               | -15.34                  | 54                          | 31.51                   | 33.85                       | 6.66                    | 33.36                      | 100                  | 283                     | Average |
| 5070                 | 54.12               | -19.88                  | 74                          | 46.97                   | 33.85                       | 6.66                    | 33.36                      | 100                  | 283                     | Peak    |
| 5230                 | 95.12               | -                       | -                           | 87.69                   | 33.99                       | 6.74                    | 33.3                       | 100                  | 283                     | Average |
| 5230                 | 107.76              | -                       | -                           | 100.33                  | 33.99                       | 6.74                    | 33.3                       | 100                  | 283                     | Peak    |
| 5394                 | 41.97               | -12.03                  | 54                          | 34.25                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 283                     | Average |
| 5394                 | 54.43               | -19.57                  | 74                          | 46.71                   | 34.11                       | 6.83                    | 33.22                      | 100                  | 283                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 46                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5230 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5144                 | 41.16               | -12.84                  | 54                          | 33.87                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 283                     | Average |
| 5144                 | 57.64               | -16.36                  | 74                          | 50.35                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 283                     | Peak    |
| 5230                 | 100.39              | -                       | -                           | 92.96                   | 33.99                       | 6.74                    | 33.3                       | 100                  | 283                     | Average |
| 5230                 | 112.48              | -                       | -                           | 105.05                  | 33.99                       | 6.74                    | 33.3                       | 100                  | 283                     | Peak    |
| 5400                 | 47.35               | -6.65                   | 54                          | 39.62                   | 34.12                       | 6.83                    | 33.22                      | 100                  | 283                     | Average |
| 5400                 | 55.9                | -18.1                   | 74                          | 48.17                   | 34.12                       | 6.83                    | 33.22                      | 100                  | 283                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 54                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5270 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5141.3               | 48.5                | -5.5                    | 54                          | 41.21                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 296                     | Average |
| 5141.3               | 61.6                | -12.4                   | 74                          | 54.31                   | 33.92                       | 6.7                     | 33.33                      | 100                  | 296                     | Peak    |
| 5270                 | 90.54               | -                       | -                           | 83.04                   | 34.01                       | 6.76                    | 33.27                      | 100                  | 296                     | Average |
| 5270                 | 101.98              | -                       | -                           | 94.48                   | 34.01                       | 6.76                    | 33.27                      | 100                  | 296                     | Peak    |
| 5457.03              | 48.89               | -5.11                   | 54                          | 41.07                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 296                     | Average |
| 5457.03              | 62.77               | -11.23                  | 74                          | 54.95                   | 34.16                       | 6.85                    | 33.19                      | 100                  | 296                     | Peak    |
| 10540                | 49.93               | -38.37                  | 88.3                        | 58.7                    | 37.42                       | 10.2                    | 56.39                      | 200                  | 0                       | Peak    |
| 15810                | 50.2                | -3.8                    | 54                          | 51.71                   | 40.2                        | 12.18                   | 53.89                      | 161                  | 229                     | Average |
| 15810                | 58.3                | -15.7                   | 74                          | 59.81                   | 40.2                        | 12.18                   | 53.89                      | 161                  | 229                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 54                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5270 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5039.9               | 48.37               | -5.63                   | 54                          | 41.26                   | 33.84                       | 6.65                    | 33.38                      | 100                  | 296                     | Average |
| 5039.9               | 61.47               | -12.53                  | 74                          | 54.36                   | 33.84                       | 6.65                    | 33.38                      | 100                  | 296                     | Peak    |
| 5270                 | 100.2               | -                       | -                           | 92.7                    | 34.01                       | 6.76                    | 33.27                      | 100                  | 296                     | Average |
| 5270                 | 112.46              | -                       | -                           | 104.96                  | 34.01                       | 6.76                    | 33.27                      | 100                  | 296                     | Peak    |
| 5354.73              | 53.14               | -0.86                   | 54                          | 45.5                    | 34.08                       | 6.8                     | 33.24                      | 100                  | 296                     | Average |
| 5354.73              | 72.27               | -1.73                   | 74                          | 64.63                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 296                     | Peak    |
| 10540                | 50.2                | -38.1                   | 88.3                        | 58.97                   | 37.42                       | 10.2                    | 56.39                      | 100                  | 0                       | Peak    |
| 15810                | 51.53               | -2.47                   | 54                          | 53.04                   | 40.2                        | 12.18                   | 53.89                      | 133                  | 73                      | Average |
| 15810                | 59.63               | -14.37                  | 74                          | 61.14                   | 40.2                        | 12.18                   | 53.89                      | 133                  | 73                      | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 62                                                    | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5310 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5130.95              | 48.45               | -5.55                   | 54                          | 41.2                    | 33.91                       | 6.68                    | 33.34                      | 100                  | 295                     | Average |
| 5130.95              | 61.48               | -12.52                  | 74                          | 54.23                   | 33.91                       | 6.68                    | 33.34                      | 100                  | 295                     | Peak    |
| 5310                 | 87.75               | -                       | -                           | 80.17                   | 34.05                       | 6.78                    | 33.25                      | 100                  | 295                     | Average |
| 5310                 | 99.04               | -                       | -                           | 91.46                   | 34.05                       | 6.78                    | 33.25                      | 100                  | 295                     | Peak    |
| 5351.98              | 50.25               | -3.75                   | 54                          | 42.61                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Average |
| 5351.98              | 66.94               | -7.06                   | 74                          | 59.3                    | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 62                                                    | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5310 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5137.4               | 48.52               | -5.48                   | 54                          | 41.25                   | 33.91                       | 6.7                     | 33.34                      | 100                  | 295                     | Average |
| 5137.4               | 61.67               | -12.33                  | 74                          | 54.4                    | 33.91                       | 6.7                     | 33.34                      | 100                  | 295                     | Peak    |
| 5310                 | 93.14               | -                       | -                           | 85.56                   | 34.05                       | 6.78                    | 33.25                      | 100                  | 295                     | Average |
| 5310                 | 105.12              | -                       | -                           | 97.54                   | 34.05                       | 6.78                    | 33.25                      | 100                  | 295                     | Peak    |
| 5355.72              | 53.42               | -0.58                   | 54                          | 45.78                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Average |
| 5355.72              | 72.68               | -1.32                   | 74                          | 65.04                   | 34.08                       | 6.8                     | 33.24                      | 100                  | 295                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 102                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5510 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5459.44              | 42.54               | -11.46                  | 54                          | 34.72                   | 34.16                       | 6.85                    | 33.19                      | 102                  | 247                     | Average |
| 5459.44              | 64.47               | -9.53                   | 74                          | 56.65                   | 34.16                       | 6.85                    | 33.19                      | 102                  | 247                     | Peak    |
| 5470                 | 54.97               | -13.33                  | 68.3                        | 46.64                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Average |
| 5470                 | 71.29               | -17.01                  | 88.3                        | 62.96                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Peak    |
| 5510                 | 83.79               | -                       | -                           | 75.88                   | 34.2                        | 6.88                    | 33.17                      | 102                  | 247                     | Average |
| 5510                 | 95.49               | -                       | -                           | 87.58                   | 34.2                        | 6.88                    | 33.17                      | 102                  | 247                     | Peak    |
| 5725                 | 38.65               | -29.65                  | 68.3                        | 30.32                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Average |
| 5725                 | 53.57               | -34.73                  | 88.3                        | 45.24                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) L channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 102                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5510 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5457.76              | 52.81               | -1.19                   | 54                          | 44.99                   | 34.16                       | 6.85                    | 33.19                      | 102                  | 247                     | Average |
| 5457.76              | 72.86               | -1.14                   | 74                          | 65.04                   | 34.16                       | 6.85                    | 33.19                      | 102                  | 247                     | Peak    |
| 5470                 | 61.18               | -7.12                   | 68.3                        | 53.33                   | 34.17                       | 6.87                    | 33.19                      | 102                  | 247                     | Average |
| 5470                 | 76.85               | -11.45                  | 88.3                        | 68.52                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Peak    |
| 5510                 | 94.39               | -                       | -                           | 86.48                   | 34.2                        | 6.88                    | 33.17                      | 102                  | 247                     | Average |
| 5510                 | 107.05              | -                       | -                           | 99.14                   | 34.2                        | 6.88                    | 33.17                      | 102                  | 247                     | Peak    |
| 5725                 | 38.74               | -29.56                  | 68.3                        | 30.41                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Average |
| 5725                 | 53.82               | -34.48                  | 88.3                        | 45.49                   | 34.51                       | 7.01                    | 33.19                      | 102                  | 247                     | Peak    |
| 11020                | 45.64               | -8.36                   | 54                          | 53.11                   | 37.71                       | 10.44                   | 55.62                      | 144                  | 177                     | Average |
| 11020                | 58.43               | -15.57                  | 74                          | 65.9                    | 37.71                       | 10.44                   | 55.62                      | 144                  | 177                     | Peak    |

|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) M channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 118                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5590 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 37.95               | -30.35                  | 68.3                        | 30.1                    | 34.17                       | 6.87                    | 33.19                      | 100                  | 236                     | Average |
| 5470                 | 52.72               | -35.58                  | 88.3                        | 44.87                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 236                     | Peak    |
| 5590                 | 84.93               | -                       | -                           | 76.85                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 236                     | Average |
| 5590                 | 96.83               | -                       | -                           | 88.75                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 236                     | Peak    |
| 5725                 | 38.55               | -29.75                  | 68.3                        | 30.22                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 236                     | Average |
| 5725                 | 53.48               | -34.82                  | 88.3                        | 45.15                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 236                     | Peak    |
| 11180                | 41.82               | -12.18                  | 54                          | 49.17                   | 37.85                       | 10.46                   | 55.66                      | 152                  | 16                      | Average |
| 11180                | 54.29               | -19.71                  | 74                          | 61.64                   | 37.85                       | 10.46                   | 55.66                      | 152                  | 16                      | Peak    |

|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) M channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 118                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5590 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 38.47               | -29.83                  | 68.3                        | 30.62                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 236                     | Average |
| 5470                 | 53.27               | -35.03                  | 88.3                        | 45.42                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 236                     | Peak    |
| 5590                 | 95.55               | -                       | -                           | 87.47                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 236                     | Average |
| 5590                 | 107.99              | -                       | -                           | 99.91                   | 34.32                       | 6.94                    | 33.18                      | 100                  | 236                     | Peak    |
| 5725                 | 39                  | -29.3                   | 68.3                        | 30.67                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 236                     | Average |
| 5725                 | 54.12               | -34.18                  | 88.3                        | 45.79                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 236                     | Peak    |
| 11180                | 49.81               | -4.19                   | 54                          | 57.16                   | 37.85                       | 10.46                   | 55.66                      | 152                  | 16                      | Average |
| 11180                | 63.2                | -10.8                   | 74                          | 70.55                   | 37.85                       | 10.46                   | 55.66                      | 152                  | 16                      | Peak    |



|                        |                                                       |                            |            |
|------------------------|-------------------------------------------------------|----------------------------|------------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C    |
| <b>Test Channel :</b>  | 134                                                   | <b>Relative Humidity :</b> | 56~60%     |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Horizontal |
| <b>Remark :</b>        | 5670 MHz is Fundamental Signals which can be ignored. |                            |            |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 37.78               | -30.52                  | 68.3                        | 29.93                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 266                     | Average |
| 5470                 | 53.6                | -34.7                   | 88.3                        | 45.75                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 266                     | Peak    |
| 5670                 | 83.19               | -                       | -                           | 74.94                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 266                     | Average |
| 5670                 | 94.97               | -                       | -                           | 86.72                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 266                     | Peak    |
| 5725                 | 42.84               | -25.46                  | 68.3                        | 34.51                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 266                     | Average |
| 5725                 | 58.88               | -29.42                  | 88.3                        | 50.55                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 266                     | Peak    |
| 11340                | 43                  | -11                     | 54                          | 50.25                   | 37.97                       | 10.47                   | 55.69                      | 145                  | 184                     | Average |
| 11340                | 55.03               | -18.97                  | 74                          | 62.28                   | 37.97                       | 10.47                   | 55.69                      | 145                  | 184                     | Peak    |



|                        |                                                       |                            |          |
|------------------------|-------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | 802.11n (HT-40) H channel                             | <b>Temperature :</b>       | 23~25°C  |
| <b>Test Channel :</b>  | 134                                                   | <b>Relative Humidity :</b> | 56~60%   |
| <b>Test Engineer :</b> | Wii Chang                                             | <b>Polarization :</b>      | Vertical |
| <b>Remark :</b>        | 5670 MHz is Fundamental Signals which can be ignored. |                            |          |

| Frequency<br>( MHz ) | Level<br>( dBuV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBuV/m ) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>( dB ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Remark  |
|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|----------------------|-------------------------|---------|
| 5470                 | 38.94               | -29.36                  | 68.3                        | 31.09                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 266                     | Average |
| 5470                 | 53.31               | -34.99                  | 88.3                        | 45.46                   | 34.17                       | 6.87                    | 33.19                      | 100                  | 266                     | Peak    |
| 5670                 | 99.11               | -                       | -                           | 90.86                   | 34.44                       | 6.99                    | 33.18                      | 100                  | 266                     | Average |
| 5670                 | 111.76              | -                       | -                           | 103.51                  | 34.44                       | 6.99                    | 33.18                      | 100                  | 266                     | Peak    |
| 5725                 | 49.09               | -19.21                  | 68.3                        | 40.76                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 266                     | Average |
| 5725                 | 68.69               | -19.61                  | 88.3                        | 60.36                   | 34.51                       | 7.01                    | 33.19                      | 100                  | 266                     | Peak    |
| 11340                | 50.88               | -3.12                   | 54                          | 58.13                   | 37.97                       | 10.47                   | 55.69                      | 145                  | 184                     | Average |
| 11340                | 63.62               | -10.38                  | 74                          | 70.87                   | 37.97                       | 10.47                   | 55.69                      | 145                  | 184                     | Peak    |

## 3.9 AC Conducted Emission Measurement

### 3.9.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MHz) | Conducted limit (dBuV) |           |
|-----------------------------|------------------------|-----------|
|                             | Quasi-peak             | Average   |
| 0.15-0.5                    | 66 to 56*              | 56 to 46* |
| 0.5-5                       | 56                     | 46        |
| 5-30                        | 60                     | 50        |

\*Decreases with the logarithm of the frequency.

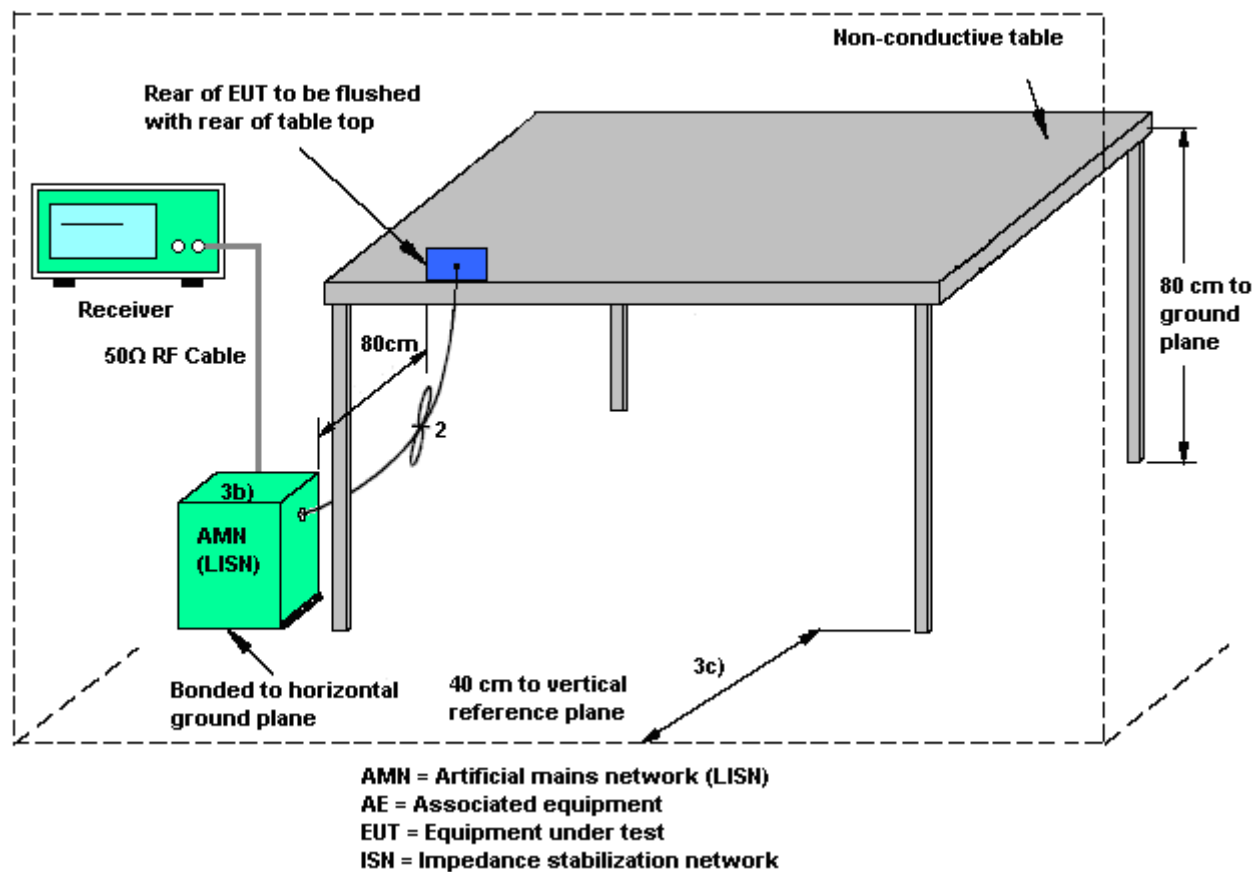
### 3.9.2 Measuring Instruments

See list of measuring instruments of this test report.

### 3.9.3 Test Procedures

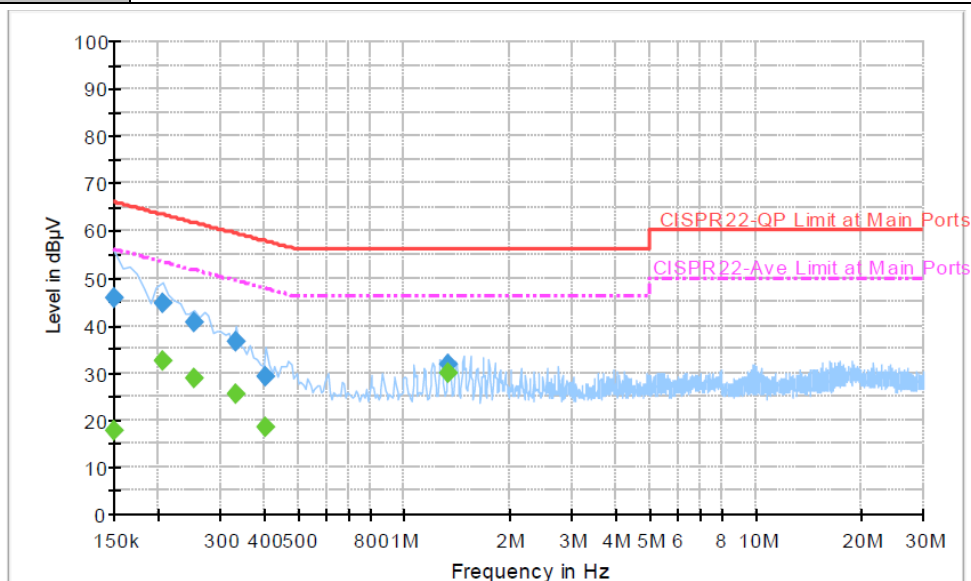
13. Please follow the guidelines in ANSI C63.4-2003.
14. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
15. Connect EUT to the power mains through a line impedance stabilization network (LISN).
16. All the support units are connecting to the other LISN.
17. The LISN provides 50 ohm coupling impedance for the measuring instrument.
18. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
19. Both sides of AC line were checked for maximum conducted interference.
20. The frequency range from 150 kHz to 30 MHz was searched.
21. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

### 3.9.4 Test Setup



### 3.9.5 Test Result of AC Conducted Emission

|                        |                                                                                 |                            |        |
|------------------------|---------------------------------------------------------------------------------|----------------------------|--------|
| <b>Test Mode :</b>     | Mode 1                                                                          | <b>Temperature :</b>       | 20~22℃ |
| <b>Test Engineer :</b> | Novic Jiang                                                                     | <b>Relative Humidity :</b> | 48~50% |
| <b>Test Voltage :</b>  | 120Vac / 60Hz                                                                   | <b>Phase :</b>             | Line   |
| <b>Function Type :</b> | WLAN Link (5G) + Antenna (EBJ Aux. + EBJ Aux.)                                  |                            |        |
| <b>Remark :</b>        | All emissions not reported here are more than 10 dB below the prescribed limit. |                            |        |



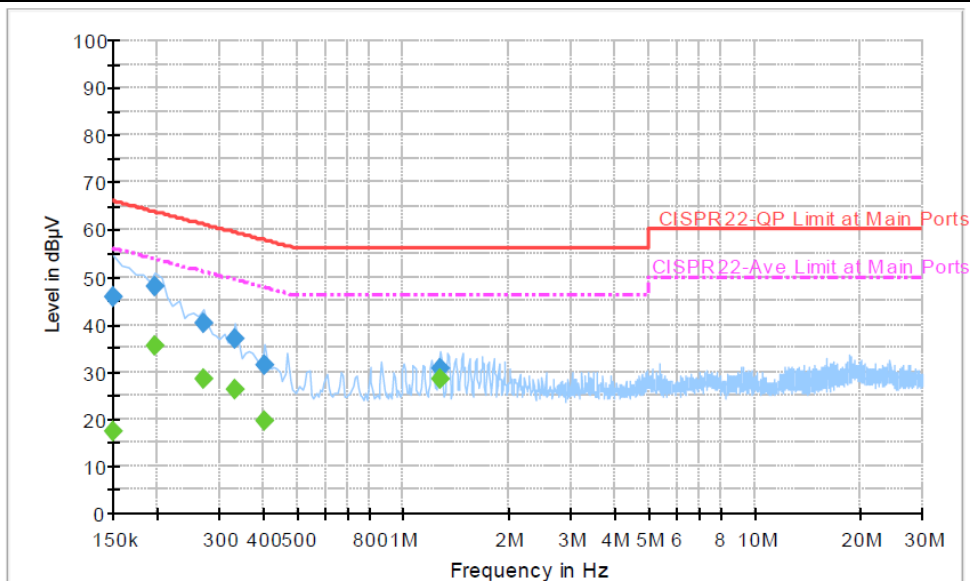
#### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|------------------|--------|------|------------|-------------|--------------|
| 0.150000        | 45.6             | Off    | L1   | 19.4       | 20.4        | 66.0         |
| 0.206000        | 44.8             | Off    | L1   | 19.3       | 18.6        | 63.4         |
| 0.254000        | 40.5             | Off    | L1   | 19.3       | 21.1        | 61.6         |
| 0.334000        | 36.7             | Off    | L1   | 19.3       | 22.7        | 59.4         |
| 0.406000        | 29.0             | Off    | L1   | 19.4       | 28.7        | 57.7         |
| 1.342000        | 31.6             | Off    | L1   | 19.4       | 24.4        | 56.0         |

#### Final Result 2

| Frequency (MHz) | Average (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|----------------|--------|------|------------|-------------|--------------|
| 0.150000        | 17.5           | Off    | L1   | 19.4       | 38.5        | 56.0         |
| 0.206000        | 32.3           | Off    | L1   | 19.3       | 21.1        | 53.4         |
| 0.254000        | 28.7           | Off    | L1   | 19.3       | 22.9        | 51.6         |
| 0.334000        | 25.6           | Off    | L1   | 19.3       | 23.8        | 49.4         |
| 0.406000        | 18.5           | Off    | L1   | 19.4       | 29.2        | 47.7         |
| 1.342000        | 29.7           | Off    | L1   | 19.4       | 16.3        | 46.0         |

|                        |                                                                                 |                            |         |
|------------------------|---------------------------------------------------------------------------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 1                                                                          | <b>Temperature :</b>       | 20~22°C |
| <b>Test Engineer :</b> | Novic Jiang                                                                     | <b>Relative Humidity :</b> | 48~50%  |
| <b>Test Voltage :</b>  | 120Vac / 60Hz                                                                   | <b>Phase :</b>             | Neutral |
| <b>Function Type :</b> | WLAN Link (5G) + Antenna (EBJ Aux. + EBJ Aux.)                                  |                            |         |
| <b>Remark :</b>        | All emissions not reported here are more than 10 dB below the prescribed limit. |                            |         |

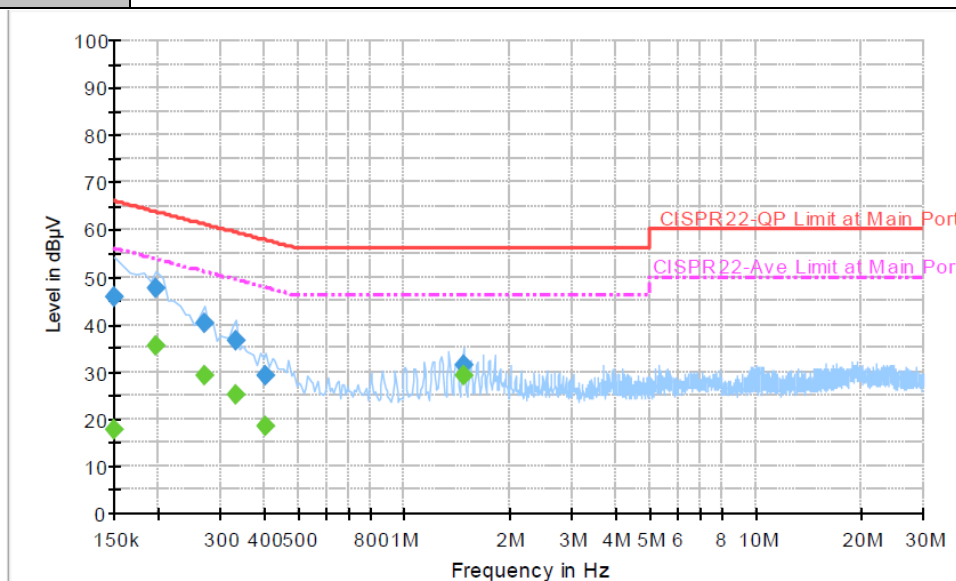

**Final Result 1**

| Frequency (MHz) | QuasiPeak (dBµV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|--------|------|------------|-------------|--------------|
| 0.150000        | 45.7             | Off    | N    | 19.4       | 20.3        | 66.0         |
| 0.198000        | 47.8             | Off    | N    | 19.3       | 15.9        | 63.7         |
| 0.270000        | 40.1             | Off    | N    | 19.3       | 21.0        | 61.1         |
| 0.334000        | 37.0             | Off    | N    | 19.3       | 22.4        | 59.4         |
| 0.406000        | 31.2             | Off    | N    | 19.4       | 26.5        | 57.7         |
| 1.278000        | 30.6             | Off    | N    | 19.5       | 25.4        | 56.0         |

**Final Result 2**

| Frequency (MHz) | Average (dBµV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|----------------|--------|------|------------|-------------|--------------|
| 0.150000        | 17.4           | Off    | N    | 19.4       | 38.6        | 56.0         |
| 0.198000        | 35.4           | Off    | N    | 19.3       | 18.3        | 53.7         |
| 0.270000        | 28.3           | Off    | N    | 19.3       | 22.8        | 51.1         |
| 0.334000        | 26.3           | Off    | N    | 19.3       | 23.1        | 49.4         |
| 0.406000        | 19.5           | Off    | N    | 19.4       | 28.2        | 47.7         |
| 1.278000        | 28.3           | Off    | N    | 19.5       | 17.7        | 46.0         |

|                        |                                                                                 |                            |         |
|------------------------|---------------------------------------------------------------------------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 2                                                                          | <b>Temperature :</b>       | 20~22°C |
| <b>Test Engineer :</b> | Novic Jiang                                                                     | <b>Relative Humidity :</b> | 48~50%  |
| <b>Test Voltage :</b>  | 120Vac / 60Hz                                                                   | <b>Phase :</b>             | Line    |
| <b>Function Type :</b> | WLAN Link (5G) + Antenna (EBJ Main + EBJ Main)                                  |                            |         |
| <b>Remark :</b>        | All emissions not reported here are more than 10 dB below the prescribed limit. |                            |         |

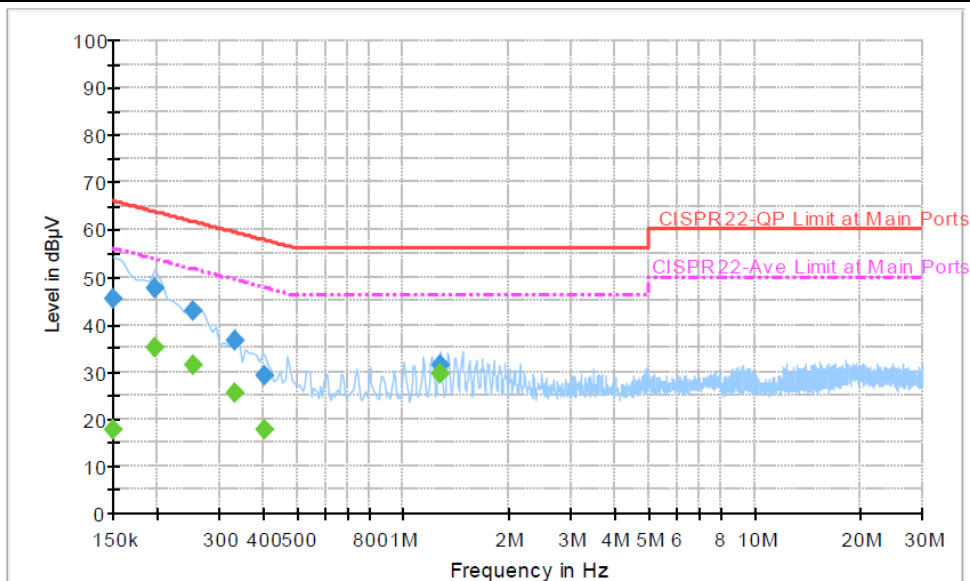

**Final Result 1**

| Frequency (MHz) | QuasiPeak (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|------------------|--------|------|------------|-------------|--------------|
| 0.150000        | 45.8             | Off    | L1   | 19.4       | 20.2        | 66.0         |
| 0.198000        | 47.7             | Off    | L1   | 19.3       | 16.0        | 63.7         |
| 0.270000        | 40.3             | Off    | L1   | 19.3       | 20.8        | 61.1         |
| 0.334000        | 36.6             | Off    | L1   | 19.3       | 22.8        | 59.4         |
| 0.406000        | 29.1             | Off    | L1   | 19.4       | 28.6        | 57.7         |
| 1.478000        | 31.5             | Off    | L1   | 19.4       | 24.5        | 56.0         |

**Final Result 2**

| Frequency (MHz) | Average (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|----------------|--------|------|------------|-------------|--------------|
| 0.150000        | 17.7           | Off    | L1   | 19.4       | 38.3        | 56.0         |
| 0.198000        | 35.4           | Off    | L1   | 19.3       | 18.3        | 53.7         |
| 0.270000        | 29.2           | Off    | L1   | 19.3       | 21.9        | 51.1         |
| 0.334000        | 25.2           | Off    | L1   | 19.3       | 24.2        | 49.4         |
| 0.406000        | 18.6           | Off    | L1   | 19.4       | 29.1        | 47.7         |
| 1.478000        | 29.2           | Off    | L1   | 19.4       | 16.8        | 46.0         |

|                        |                                                                                 |                            |         |
|------------------------|---------------------------------------------------------------------------------|----------------------------|---------|
| <b>Test Mode :</b>     | Mode 2                                                                          | <b>Temperature :</b>       | 20~22°C |
| <b>Test Engineer :</b> | Novic Jiang                                                                     | <b>Relative Humidity :</b> | 48~50%  |
| <b>Test Voltage :</b>  | 120Vac / 60Hz                                                                   | <b>Phase :</b>             | Neutral |
| <b>Function Type :</b> | WLAN Link (5G) + Antenna (EBJ Main + EBJ Main)                                  |                            |         |
| <b>Remark :</b>        | All emissions not reported here are more than 10 dB below the prescribed limit. |                            |         |


**Final Result 1**

| Frequency (MHz) | QuasiPeak (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|------------------|--------|------|------------|-------------|--------------|
| 0.150000        | 45.2             | Off    | N    | 19.4       | 20.8        | 66.0         |
| 0.198000        | 47.5             | Off    | N    | 19.3       | 16.2        | 63.7         |
| 0.254000        | 42.8             | Off    | N    | 19.4       | 18.8        | 61.6         |
| 0.334000        | 36.6             | Off    | N    | 19.3       | 22.8        | 59.4         |
| 0.406000        | 29.0             | Off    | N    | 19.4       | 28.7        | 57.7         |
| 1.278000        | 31.4             | Off    | N    | 19.5       | 24.6        | 56.0         |

**Final Result 2**

| Frequency (MHz) | Average (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|----------------|--------|------|------------|-------------|--------------|
| 0.150000        | 17.9           | Off    | N    | 19.4       | 38.1        | 56.0         |
| 0.198000        | 35.0           | Off    | N    | 19.3       | 18.7        | 53.7         |
| 0.254000        | 31.3           | Off    | N    | 19.4       | 20.3        | 51.6         |
| 0.334000        | 25.5           | Off    | N    | 19.3       | 23.9        | 49.4         |
| 0.406000        | 17.7           | Off    | N    | 19.4       | 30.0        | 47.7         |
| 1.278000        | 29.6           | Off    | N    | 19.5       | 16.4        | 46.0         |

### **3.10 Automatically Discontinue Transmission**

#### **3.10.1 Limit of Automatically Discontinue Transmission**

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

#### **3.10.2 Measuring Instruments**

See list of measuring instruments of this test report.

#### **3.10.3 Test Result of Automatically Discontinue Transmission**

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

## 4 List of Measuring Equipments

| Instrument           | Manufacturer | Model No.    | Serial No.  | Characteristics | Calibration Date | Due Date      | Remark                |
|----------------------|--------------|--------------|-------------|-----------------|------------------|---------------|-----------------------|
| Spectrum Analyzer    | R&S          | FSP30        | 101329      | 9kHz~30GHz      | Apr. 26, 2010    | Apr. 25, 2011 | Conducted (TH02-HY)   |
| Power Meter          | Anritsu      | ML2495A      | 0932001     | N/A             | Sep. 13, 2010    | Sep. 12, 2011 | Conducted (TH02-HY)   |
| Power Sensor         | Anritsu      | MA2411B      | 0846202     | N/A             | Sep. 14, 2010    | Sep. 13, 2011 | Conducted (TH02-HY)   |
| EMI Test Receive     | R&S          | ESCS 30      | 100356      | 9KHz - 2.75GHz  | Aug. 16, 2010    | Aug. 15, 2011 | Conduction (CO05-HY)  |
| Two-LISN             | R&S          | ENV216       | 11-100081   | 9kHz~30MHz      | Nov. 30, 2009    | Nov. 29, 2010 | Conduction (CO05-HY)  |
| Two-LISN             | R&S          | ENV216       | 11-100080   | 9kHz~30MHz      | Nov. 23, 2009    | Nov. 22, 2010 | Conduction (CO05-HY)  |
| AC Power Source      | APC          | APC-1000W    | N/A         | N/A             | N/A              | N/A           | Conduction (CO05-HY)  |
| Spectrum Analyzer    | R&S          | FSP30        | 101352      | 9KHz-40GHz      | Nov. 03, 2010    | Nov. 02, 2011 | Radiation (03CH05-HY) |
| Amplifier            | COM-POWER    | PA-103       | 161069      | 1KHz - 1GHz     | Mar. 29, 2010    | Mar. 28, 2011 | Radiation (03CH05-HY) |
| Bilog Antenna        | SCHAFFNER    | CBL6111C     | 2726        | 30MHz ~ 1GHz    | Oct. 31, 2010    | Oct. 30, 2011 | Radiation (03CH05-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK  | BBHA 9170    | BBHA9170251 | 15GHz- 40GHz    | Oct. 18, 2010    | Oct. 17, 2011 | Radiation (03CH05-HY) |
| Pre Amplifier        | Agilent      | 8449B        | 3008A01917  | 1GHz- 26.5GHz   | Nov. 11, 2009    | Nov. 10, 2010 | Radiation (03CH05-HY) |
| Turn Table           | HD           | Deis HD 2000 | 420/611     | 0 - 360 degree  | N/A              | N/A           | Radiation (03CH05-HY) |
| Antenna Mast         | HD           | MA 240       | 240/666     | 1 m - 4 m       | N/A              | N/A           | Radiation (03CH05-HY) |
| Horn Antenna         | ESCO         | 3117         | 00066584    | 1GHz ~ 18GHz    | Aug. 05, 2010    | Aug. 04, 2011 | Radiation (03CH05-HY) |
| Loop Antenna         | R&S          | HFH2-Z2      | 860004/001  | 9 kHz~30 MHz    | Jul. 29, 2010    | Jul. 28, 2011 | Radiation (03CH05-HY) |

## 5 Uncertainty of Evaluation

### Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

| Contribution                                                                             | Uncertainty of $X_i$ |                          | $u(X_i)$ |
|------------------------------------------------------------------------------------------|----------------------|--------------------------|----------|
|                                                                                          | dB                   | Probability Distribution |          |
| Receiver Reading                                                                         | 0.10                 | Normal (k=2)             | 0.05     |
| Cable Loss                                                                               | 0.10                 | Normal (k=2)             | 0.05     |
| AMN Insertion Loss                                                                       | 2.50                 | Rectangular              | 0.63     |
| Receiver Specification                                                                   | 1.50                 | Rectangular              | 0.43     |
| Site Imperfection                                                                        | 1.39                 | Rectangular              | 0.80     |
| Mismatch                                                                                 | +0.34 / -0.35        | U-Shape                  | 0.24     |
| <b>Combined Standard Uncertainty <math>U_c(y)</math></b>                                 | <b>1.13</b>          |                          |          |
| <b>Measuring Uncertainty for a Level of Confidence of 95% (<math>U = 2U_c(y)</math>)</b> | <b>2.26</b>          |                          |          |

### Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

| Contribution                                                                             | Uncertainty of $X_i$ |                          | $u(X_i)$ |
|------------------------------------------------------------------------------------------|----------------------|--------------------------|----------|
|                                                                                          | dB                   | Probability Distribution |          |
| Receiver Reading                                                                         | 0.41                 | Normal (k=2)             | 0.21     |
| Antenna Factor Calibration                                                               | 0.83                 | Normal (k=2)             | 0.42     |
| Cable Loss Calibration                                                                   | 0.25                 | Normal (k=2)             | 0.13     |
| Pre-Amplifier Gain Calibration                                                           | 0.27                 | Normal (k=2)             | 0.14     |
| RCV/SPA Specification                                                                    | 2.50                 | Rectangular              | 0.72     |
| Antenna Factor Interpolation for Frequency                                               | 1.00                 | Rectangular              | 0.29     |
| Site Imperfection                                                                        | 1.43                 | Rectangular              | 0.83     |
| Mismatch                                                                                 | +0.39 / -0.41        | U-Shape                  | 0.28     |
| <b>Combined Standard Uncertainty <math>U_c(y)</math></b>                                 | <b>1.27</b>          |                          |          |
| <b>Measuring Uncertainty for a Level of Confidence of 95% (<math>U = 2U_c(y)</math>)</b> | <b>2.54</b>          |                          |          |

**Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)**

| Contribution                                                                                                                        | Uncertainty of $X_i$ |                          | $u(X_i)$ | $C_i$ | $C_i * u(X_i)$ |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------|----------|-------|----------------|
|                                                                                                                                     | dB                   | Probability Distribution |          |       |                |
| Receiver Reading                                                                                                                    | $\pm 0.10$           | Normal (k=2)             | 0.10     | 1     | 0.10           |
| Antenna Factor Calibration                                                                                                          | $\pm 1.70$           | Normal (k=2)             | 0.85     | 1     | 0.85           |
| Cable Loss Calibration                                                                                                              | $\pm 0.50$           | Normal (k=2)             | 0.25     | 1     | 0.25           |
| Receiver Correction                                                                                                                 | $\pm 2.00$           | Rectangular              | 1.15     | 1     | 1.15           |
| Antenna Factor Directional                                                                                                          | $\pm 1.50$           | Rectangular              | 0.87     | 1     | 0.87           |
| Site Imperfection                                                                                                                   | $\pm 2.80$           | Triangular               | 1.14     | 1     | 1.14           |
| Mismatch<br>Receiver VSWR $\Gamma_1 = 0.197$<br>Antenna VSWR $\Gamma_2 = 0.194$<br>Uncertainty = $20\text{Log}(1-\Gamma_1\Gamma_2)$ | +0.34 / -0.35        | U-Shape                  | 0.244    | 1     | 0.244          |
| <b>Combined Standard Uncertainty<br/><math>U_c(y)</math></b>                                                                        | <b>2.36</b>          |                          |          |       |                |
| <b>Measuring Uncertainty for a<br/>Level of Confidence of 95%<br/>(<math>U = 2U_c(y)</math>)</b>                                    | <b>4.72</b>          |                          |          |       |                |

## Appendix A. Antenna Requirement

➤ **Standard Applicable**

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

➤ **Antenna Connected Construction**

The antennas type used in this product is PIFA Antenna with IPEX connector and it is considered to meet antenna requirement of FCC.

➤ **Composite Antenna Gain**

The composite antenna gain is more than 6 dBi. Therefore, it is must to reduce maximum peak output power limit.



## **Appendix B. Photographs of EUT**

Please refer to Sporton report number EP0O0823 as below.