# 5. Test of Radiated Emission

## 5.1. Test Limit

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.4-2001. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

| Frequency (MHz) | Distance Meters | Radiated (μ V / M) | Radiated (dB μ V/ M) |
|---|---|---|---|
| 30-88 | 3 | 100 | 40.0 |
| 88-216 | 3 | 150 | 43.5 |
| 216-960 | 3 | 200 | 46.0 |
| Above 960 | 3 | 500 | 54.0 |

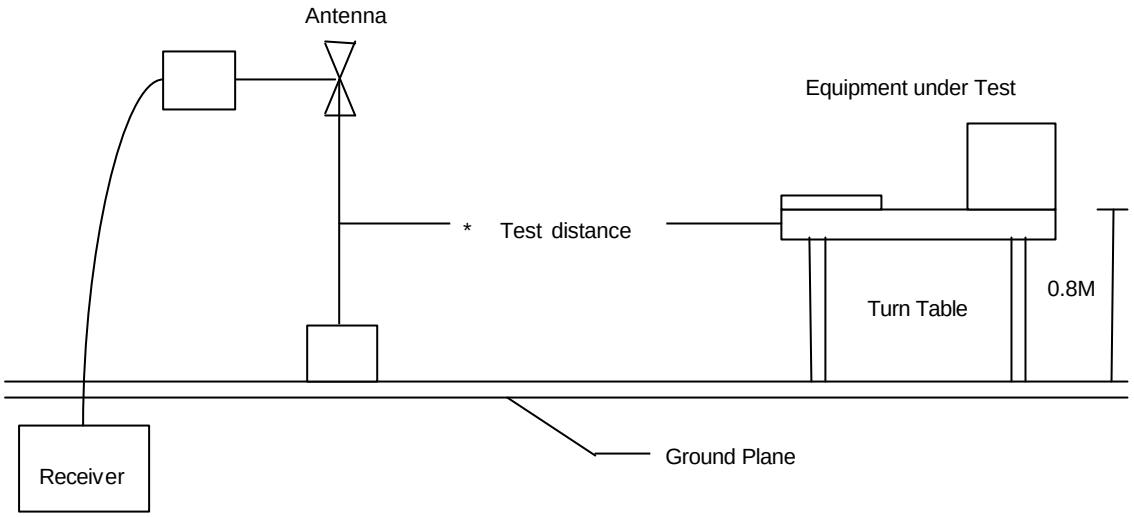
For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the above table.

| Frequency (MHz) | Distance Meters | Radiated (dB μ V/ M) |
|---|---|---|
| 30-230 | 10 | 30 |
| 230-1000 | 10 | 37 |

## 5.2. Test Procedures

1. The EUT was placed on a rotatable table top 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
5. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
8. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

## 5.3. Typical Test Setup

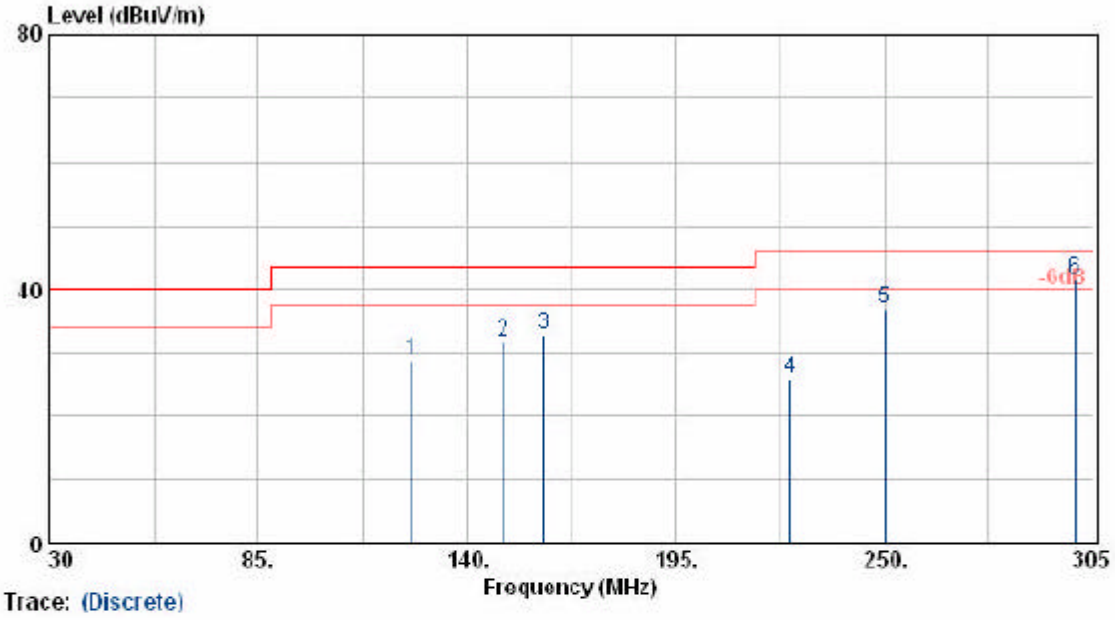



## 5.4. Measurment equipment

| Instrument/Ancillary | Type | Manufacturer | Valid Date |
|---|---|---|---|
| EMI Receiver | 8546A | HP | 2006/0413 |
| Spectrum Analyzer | FSP40 | R&S | 2005/12/28 |
| Horn Antenna | 3115 | EMCO | 2006/02/21 |
| Horn Antenna | 3116 | EMCO | 2006/02/21 |
| Bilog Antenna | CBL6112B | Schaffner | 2006/04/12 |
| Amplifier | 8447D | Agilent | 2006/02/14 |
| Amplifier | 8449B | Agilent | 2005/12/27 |

## 5.5. Test Result of Radiated emission

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : HORIZONTAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 1 | Humidity | : 68 % |
| Modulation Type | : 802.11b/g | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11/54 Mbps | Memo | : |



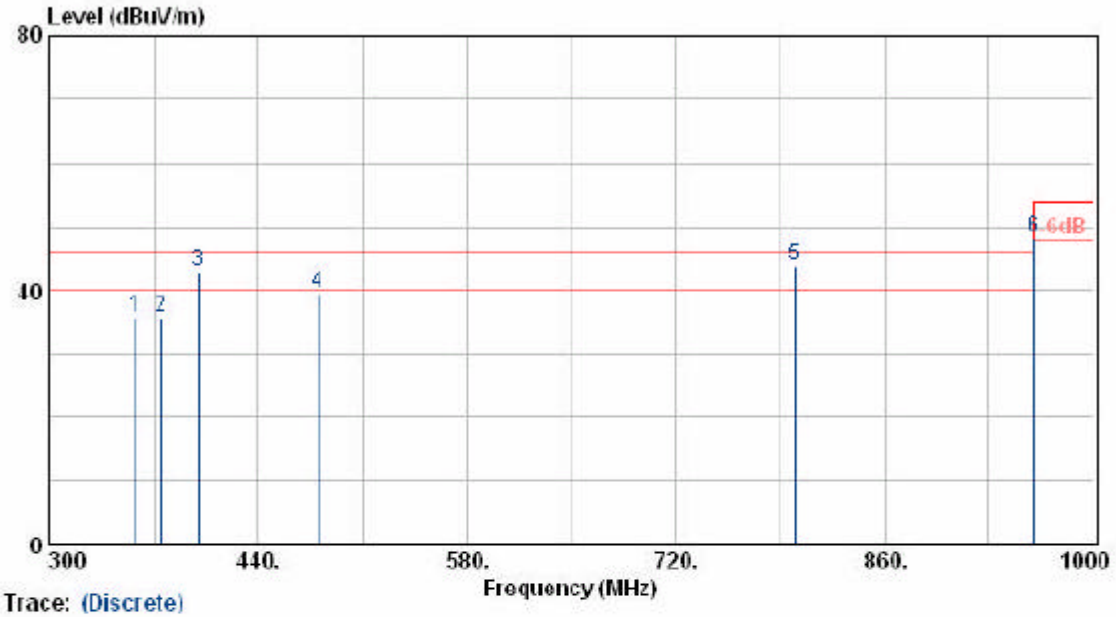

Trace: (Discrete)

| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 125.08 | 44.77 | -15.92 | 28.85 | 43.50 | -14.65 | Peak | 60 | 100 |
| 149.50 | 46.00 | -14.40 | 31.60 | 43.50 | -11.90 | Peak | 60 | 100 |
| 160.00 | 48.40 | -15.67 | 32.73 | 43.50 | -10.77 | Peak | 200 | 100 |
| 225.00 | 42.33 | -16.39 | 25.95 | 46.00 | -20.06 | Peak | 140 | 100 |
| 250.00 | 50.09 | -13.17 | 36.92 | 46.00 | -9.08 | Peak | 100 | 100 |
| 299.99 | 52.58 | -11.10 | 41.48 | 46.00 | -4.52 | QP | 300 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : HORIZONTAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 1 | Humidity | : 68 % |
| Modulation Type | : 802.11b/g | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11/54 Mbps | Memo | : |



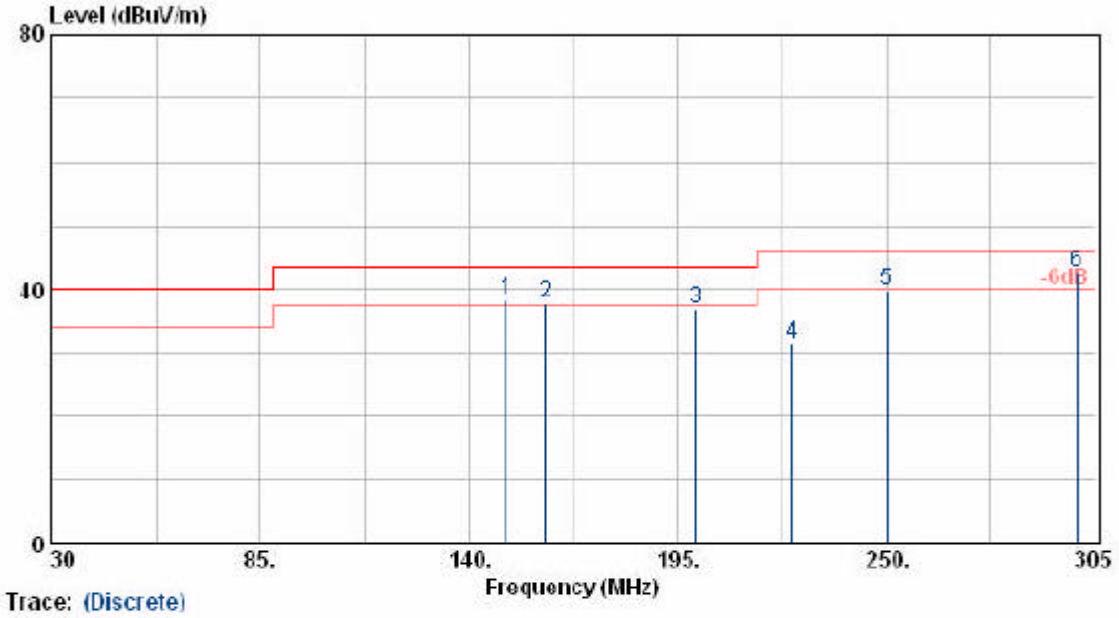

Trace: (Discrete)

| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 357.49 | 45.75 | -9.93 | 35.82 | 46.00 | -10.18 | Peak | 80 | 100 |
| 374.99 | 44.92 | -9.29 | 35.64 | 46.00 | -10.36 | Peak | 145 | 100 |
| 399.99 | 51.54 | -8.59 | 42.95 | 46.00 | -3.05 | QP | 310 | 100 |
| 480.01 | 47.00 | -7.54 | 39.46 | 46.00 | -6.54 | Peak | 70 | 100 |
| 800.00 | 44.78 | -0.86 | 43.92 | 46.00 | -2.08 | QP | 80 | 100 |
| 960.01 | 45.41 | 3.00 | 48.41 | 54.00 | -5.59 | QP | 70 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | Pol/Phase | : VERTICAL |
| Power | : 110V | Temperature | : 25 ℃ |
| Test Mode | : Transmit/Receive | Humidity | : 68 % |
| Operation Channel | : 1 | Atmospheric Pressure | : 1018 mmHg |
| Modulation Type | : 802.11b/g | Memo | : |
| Rate | : 11/54 Mbps | | |



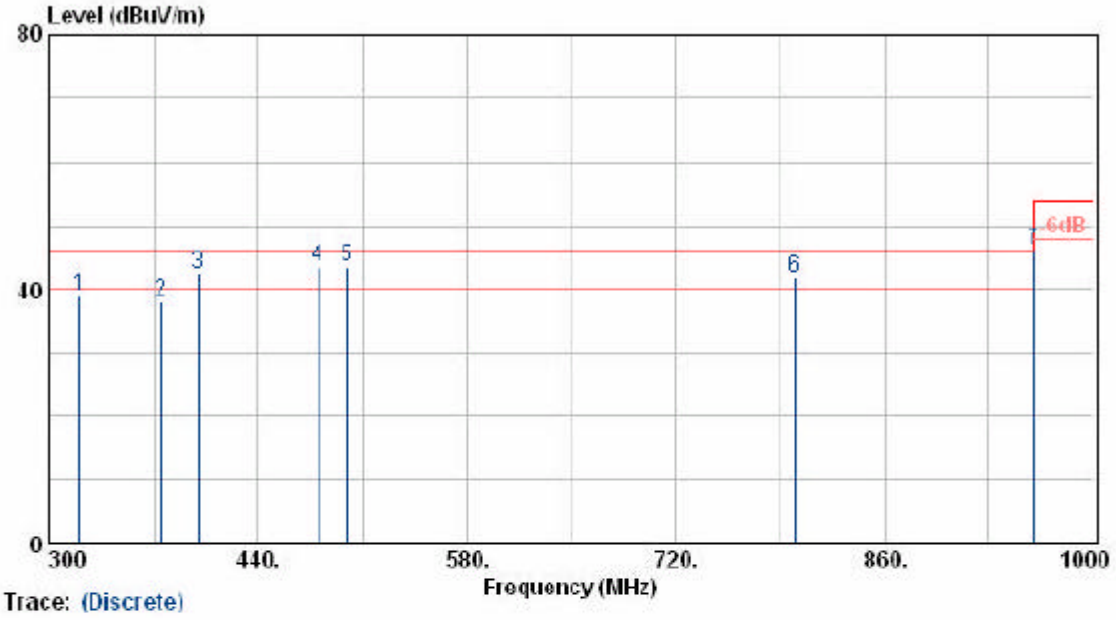

Trace: (Discrete)

| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 150.00 | 52.70 | -14.40 | 38.30 | 43.50 | -5.20 | QP | 50 | 100 |
| 160.00 | 53.63 | -15.67 | 37.96 | 43.50 | -5.54 | QP | 95 | 100 |
| 199.99 | 53.93 | -17.02 | 36.91 | 43.50 | -6.59 | Peak | 200 | 100 |
| 225.00 | 47.86 | -16.39 | 31.48 | 46.00 | -14.53 | Peak | 200 | 100 |
| 250.01 | 53.04 | -13.17 | 39.87 | 46.00 | -6.13 | Peak | 100 | 100 |
| 299.99 | 53.88 | -11.10 | 42.78 | 46.00 | -3.22 | QP | 160 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : VERTICAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 1 | Humidity | : 68 % |
| Modulation Type | : 802.11b/g | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11/54 Mbps | Memo | : |

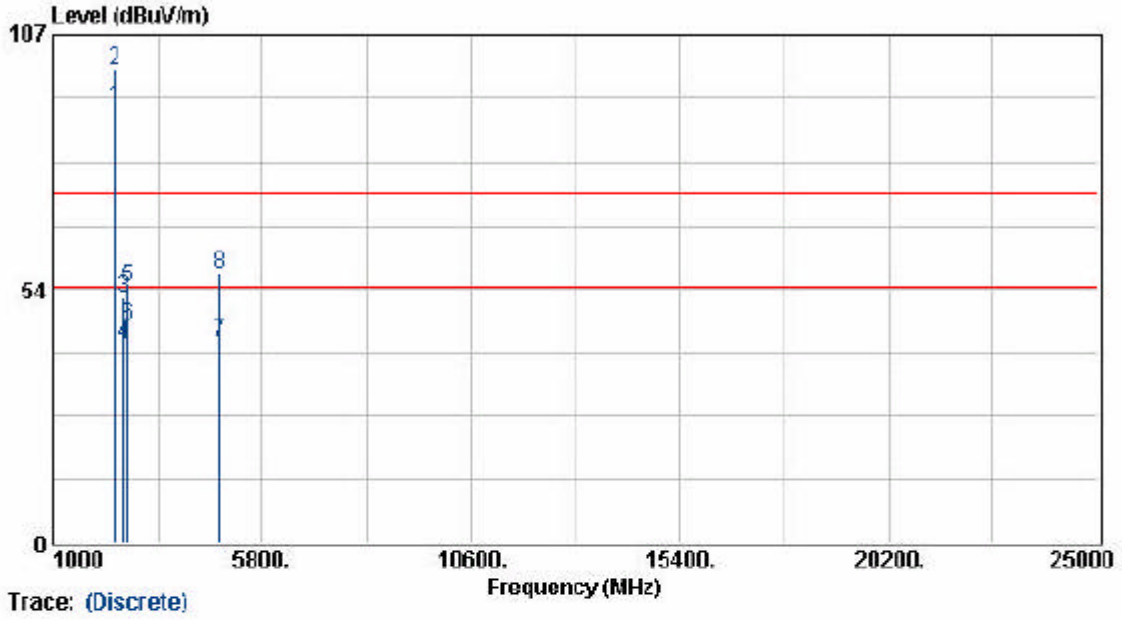



| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 319.97 | 49.52 | -10.68 | 38.84 | 46.00 | -7.16 | Peak | 85 | 100 |
| 374.97 | 47.28 | -9.29 | 38.00 | 46.00 | -8.00 | Peak | 220 | 100 |
| 399.99 | 50.93 | -8.59 | 42.34 | 46.00 | -3.66 | QP | 200 | 100 |
| 480.00 | 51.28 | -7.54 | 43.74 | 46.00 | -2.26 | QP | 300 | 100 |
| 499.98 | 50.35 | -6.75 | 43.60 | 46.00 | -2.40 | QP | 240 | 100 |
| 800.00 | 42.68 | -0.86 | 41.82 | 46.00 | -4.18 | QP | 240 | 100 |
| 960.01 | 43.36 | 3.00 | 46.36 | 54.00 | -7.64 | Peak | 300 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : HORIZONTAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 1 | Humidity | : 68 % |
| Modulation Type | : 802.11b | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11 Mbps | Memo | : |

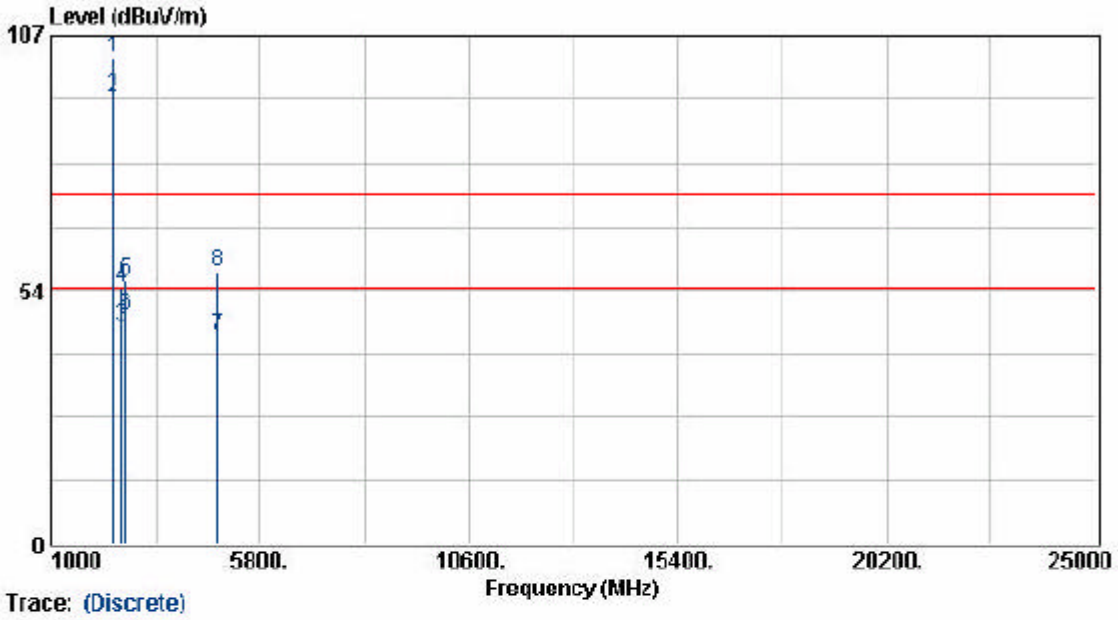



| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 2410.60 | 90.49 | 1.32 | 91.81 | 54.00 | 37.81 | Average | 228 | 100 |
| 2410.60 | 98.42 | 1.32 | 99.74 | 74.00 | 25.74 | Peak | 228 | 100 |
| 2618.00 | 49.65 | 2.05 | 51.70 | 74.00 | -22.30 | Peak | 272 | 100 |
| 2618.00 | 39.97 | 2.05 | 42.02 | 54.00 | -11.98 | Average | 272 | 100 |
| 2706.00 | 51.57 | 2.37 | 53.94 | 74.00 | -20.06 | Peak | 272 | 100 |
| 2706.00 | 43.65 | 2.37 | 46.02 | 54.00 | -7.98 | Average | 272 | 100 |
| 4823.20 | 34.10 | 8.12 | 42.22 | 54.00 | -11.78 | Average | 228 | 100 |
| 4823.20 | 48.62 | 8.12 | 56.74 | 74.00 | -17.26 | Peak | 228 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.
7. 2412,2437,2462 MHz is fundamental frequency.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : VERTICAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 1 | Humidity | : 68 % |
| Modulation Type | : 802.11b | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11 Mbps | Memo | : |

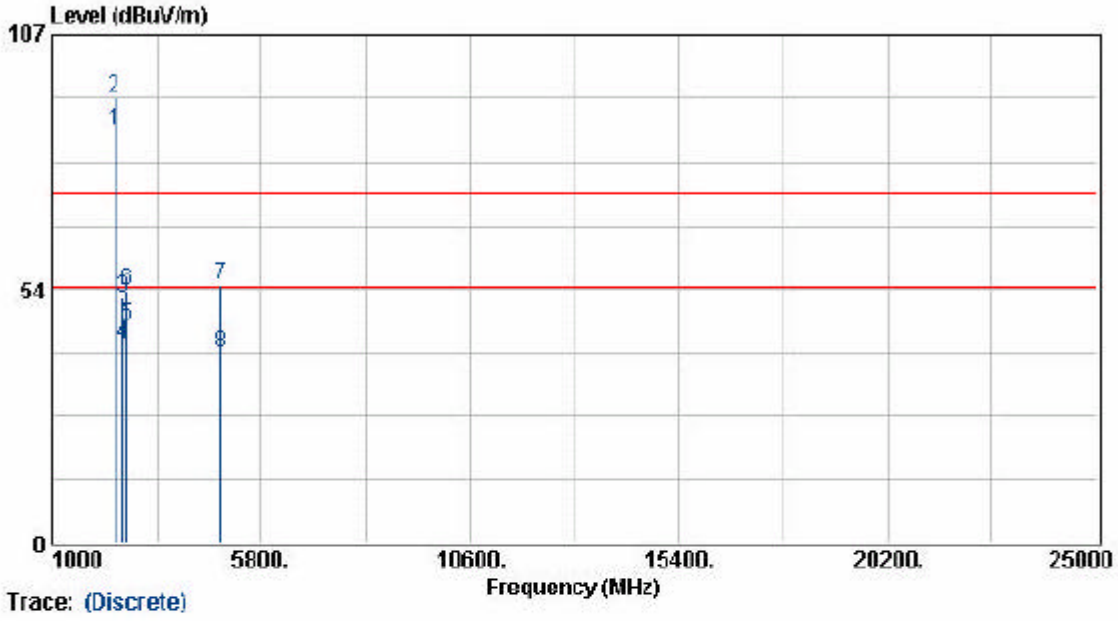



| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 2410.50 | 101.81 | 0.62 | 102.43 | 74.00 | 28.43 | Peak | 86 | 100 |
| 2410.50 | 93.73 | 0.62 | 94.35 | 54.00 | 40.35 | Average | 86 | 100 |
| 2618.00 | 44.47 | 1.33 | 45.80 | 54.00 | -8.20 | Average | 60 | 100 |
| 2618.00 | 52.56 | 1.33 | 53.89 | 74.00 | -20.11 | Peak | 60 | 100 |
| 2706.00 | 53.86 | 1.63 | 55.49 | 74.00 | -18.51 | Peak | 165 | 100 |
| 2706.00 | 46.63 | 1.63 | 48.26 | 54.00 | -5.74 | Average | 165 | 100 |
| 4822.10 | 36.51 | 7.35 | 43.86 | 54.00 | -10.14 | Average | 86 | 100 |
| 4822.10 | 50.30 | 7.35 | 57.65 | 74.00 | -16.35 | Peak | 86 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.
7. 2412,2437,2462 MHz is fundamental frequency.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : HORIZONTAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 6 | Humidity | : 68 % |
| Modulation Type | : 802.11b | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11 Mbps | Memo | : |

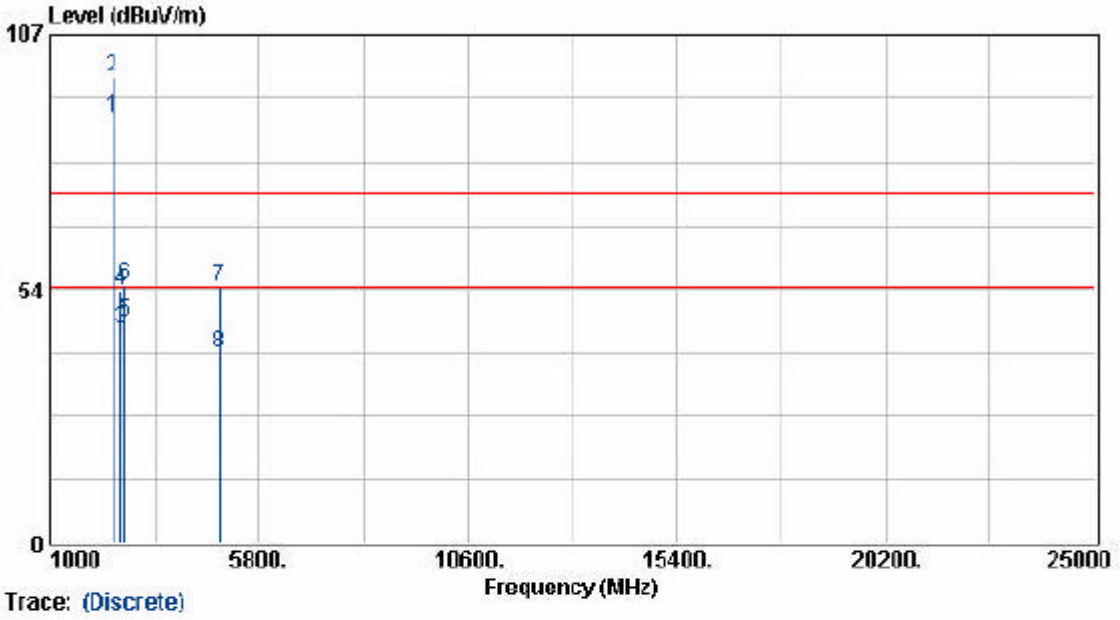



| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 2435.50 | 85.53 | 1.41 | 86.94 | 54.00 | 32.94 | Average | 228 | 100 |
| 2435.50 | 92.26 | 1.41 | 93.67 | 74.00 | 19.67 | Peak | 228 | 100 |
| 2618.00 | 49.58 | 2.05 | 51.63 | 74.00 | -22.37 | Peak | 272 | 100 |
| 2618.00 | 39.81 | 2.05 | 41.86 | 54.00 | -12.14 | Average | 272 | 100 |
| 2706.00 | 43.43 | 2.37 | 45.80 | 54.00 | -8.20 | Average | 272 | 100 |
| 2706.00 | 51.07 | 2.37 | 53.44 | 74.00 | -20.56 | Peak | 272 | 100 |
| 4868.40 | 46.31 | 8.29 | 54.60 | 74.00 | -19.40 | Peak | 228 | 100 |
| 4868.40 | 31.77 | 8.29 | 40.06 | 54.00 | -13.94 | Average | 228 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.
7. 2412,2437,2462 MHz is fundamental frequency.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : VERTICAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 6 | Humidity | : 68 % |
| Modulation Type | : 802.11b | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11 Mbps | Memo | : |

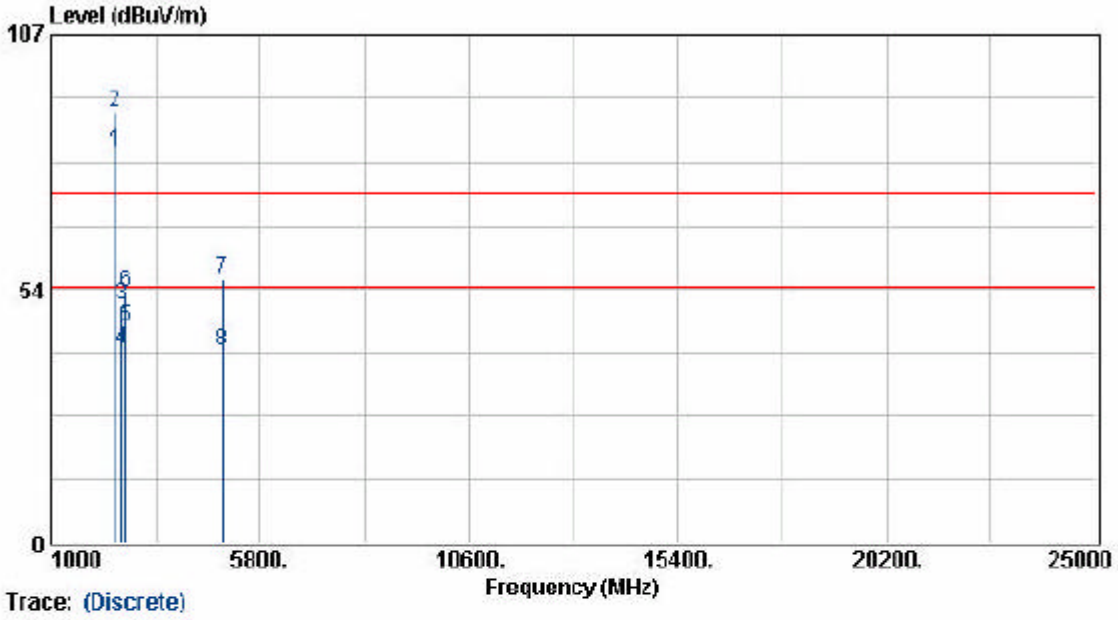



| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 2438.40 | 88.85 | 0.72 | 89.57 | 54.00 | 35.57 | Average | 86 | 100 |
| 2438.40 | 97.35 | 0.72 | 98.07 | 74.00 | 24.07 | Peak | 86 | 100 |
| 2618.00 | 43.81 | 1.33 | 45.14 | 54.00 | -8.86 | Average | 60 | 100 |
| 2618.00 | 52.16 | 1.33 | 53.49 | 74.00 | -20.51 | Peak | 60 | 100 |
| 2706.00 | 45.24 | 1.63 | 46.87 | 54.00 | -7.13 | Average | 165 | 100 |
| 2706.00 | 52.65 | 1.63 | 54.28 | 74.00 | -19.72 | Peak | 165 | 100 |
| 4873.10 | 46.37 | 7.54 | 53.91 | 74.00 | -20.09 | Peak | 86 | 100 |
| 4873.10 | 32.45 | 7.54 | 39.99 | 54.00 | -14.01 | Average | 86 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.
7. 2412,2437,2462 MHz is fundamental frequency.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : HORIZONTAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 11 | Humidity | : 68 % |
| Modulation Type | : 802.11b | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11 Mbps | Memo | : |

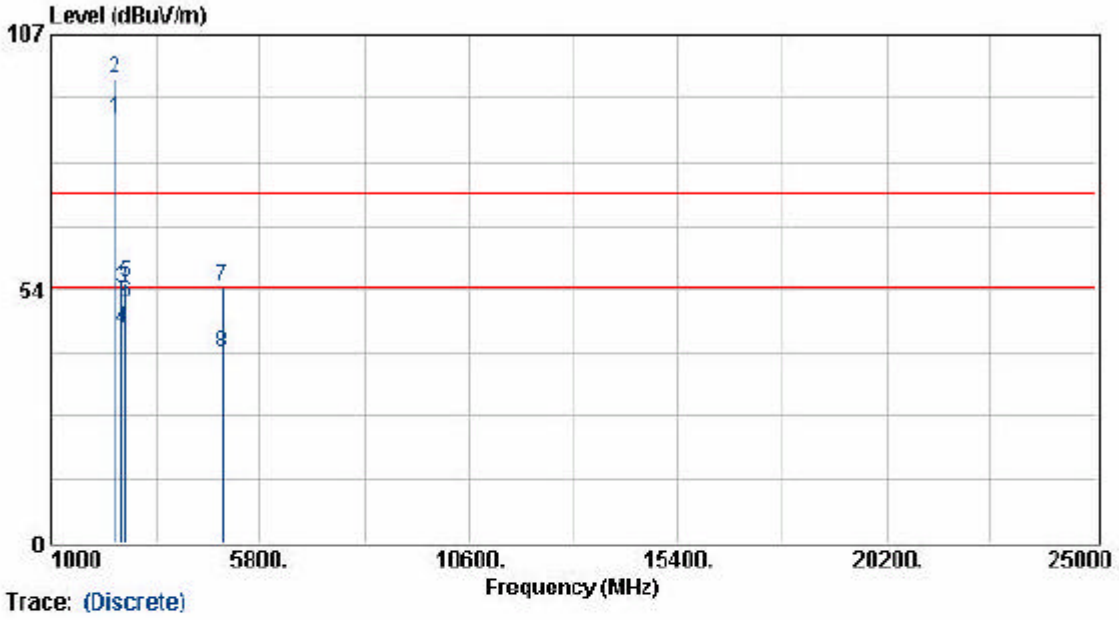



| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 2460.60 | 81.14 | 1.49 | 82.63 | 54.00 | 28.63 | Average | 228 | 100 |
| 2460.60 | 89.12 | 1.49 | 90.61 | 74.00 | 16.61 | Peak | 228 | 100 |
| 2618.00 | 48.17 | 2.05 | 50.22 | 74.00 | -23.78 | Peak | 272 | 100 |
| 2618.00 | 38.85 | 2.05 | 40.90 | 54.00 | -13.10 | Average | 272 | 100 |
| 2706.00 | 43.11 | 2.37 | 45.48 | 54.00 | -8.52 | Average | 272 | 100 |
| 2706.00 | 50.73 | 2.37 | 53.10 | 74.00 | -20.90 | Peak | 272 | 100 |
| 4925.30 | 47.03 | 8.51 | 55.54 | 74.00 | -18.46 | Peak | 228 | 100 |
| 4925.30 | 31.95 | 8.51 | 40.46 | 54.00 | -13.54 | Average | 228 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.
7. 2412,2437,2462 MHz is fundamental frequency.

| | | | |
|---|---|---|---|
| EUT | : IP822LM | | |
| Power | : 110V | Pol/Phase | : VERTICAL |
| Test Mode | : Transmit/Receive | Temperature | : 25 ℃ |
| Operation Channel | : 11 | Humidity | : 68 % |
| Modulation Type | : 802.11b | Atmospheric Pressure | : 1018 mmHg |
| Rate | : 11 Mbps | Memo | : |




| Frequency (MHz) | Meter Reading (dBuV) | Corrected Factor (dBuV/m) | Result (dBuV/m) | Limit (dB) | Margin (dB) | Remark | Table Deg. | Ant High (cm) |
|---|---|---|---|---|---|---|---|---|
| 2462.60 | 88.39 | 0.80 | 89.19 | 54.00 | 35.19 | Average | 86 | 100 |
| 2462.60 | 96.69 | 0.80 | 97.49 | 74.00 | 23.49 | Peak | 86 | 100 |
| 2618.00 | 52.21 | 1.33 | 53.54 | 74.00 | -20.46 | Peak | 60 | 100 |
| 2618.00 | 43.77 | 1.33 | 45.10 | 54.00 | -8.90 | Average | 60 | 100 |
| 2706.00 | 53.31 | 1.63 | 54.94 | 74.00 | -19.06 | Peak | 165 | 100 |
| 2706.00 | 48.85 | 1.63 | 50.48 | 54.00 | -3.52 | Average | 165 | 100 |
| 4923.00 | 46.48 | 7.72 | 54.20 | 74.00 | -19.80 | Peak | 86 | 100 |
| 4923.00 | 32.48 | 7.72 | 40.20 | 54.00 | -13.80 | Average | 86 | 100 |

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.
7. 2412,2437,2462 MHz is fundamental frequency.