

EMC TEST Report

FCC ID: UVQ-YJ-SWAP30G

This report concerns (check one) : ☒ Original Grant ☐ Class I Change

Issued Date : Jan. 02, 2007

Report No. : 0610003

Equipment : 802.11g Super Wireless Access Point

Model No. : SPA30G

Applicant : yVes Technology Co., LTD.

Address : No. 74, Fusing 2nd Rd., Gueishan, 33377,
Taoyuan, Taiwan, R.O.C.

Tested by:

Neutron Engineering Inc. EMC Laboratory

Data of Test:

Oct. 02, 2006 ~ Nov. 06, 2006

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Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C.**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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| Table of Contents | Page |
|---|-------------|
| 1 . CERTIFICATION | 5 |
| 2 . SUMMARY OF TEST RESULTS | 6 |
| 2.1 TEST FACILITY | 7 |
| 2.2 MEASUREMENT UNCERTAINTY | 7 |
| 3 . GENERAL INFORMATION | 8 |
| 3.1 GENERAL DESCRIPTION OF EUT | 8 |
| 3.2 DESCRIPTION OF TEST MODES | 9 |
| 3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED | 10 |
| 3.4 DESCRIPTION OF SUPPORT UNITS | 11 |
| 4 . EMC EMISSION TEST | 12 |
| 4.1 CONDUCTED EMISSION MEASUREMENT | 12 |
| 4.1.1 POWER LINE CONDUCTED EMISSION LIMITS | 12 |
| 4.1.2 MEASUREMENT INSTRUMENTS LIST | 12 |
| 4.1.3 TEST PROCEDURE | 13 |
| 4.1.4 DEVIATION FROM TEST STANDARD | 13 |
| 4.1.5 TEST SETUP | 13 |
| 4.1.6 EUT OPERATING CONDITIONS | 14 |
| 4.1.7 TEST RESULTS | 15 |
| 4.2 RADIATED EMISSION MEASUREMENT | 19 |
| 4.2.1 RADIATED EMISSION LIMITS | 19 |
| 4.2.2 MEASUREMENT INSTRUMENTS LIST | 20 |
| 4.2.3 TEST PROCEDURE | 20 |
| 4.2.4 DEVIATION FROM TEST STANDARD | 20 |
| 4.2.5 TEST SETUP | 21 |
| 4.2.6 EUT OPERATING CONDITIONS | 21 |
| 4.2.7 TEST RESULTS (Between 30 – 1000 MHz) | 22 |
| 4.2.8 TEST RESULTS (Above 1000 MHz) | 34 |
| 4.2.9 TEST RESULTS (Restricted Bands Requirements) | 58 |
| 5 . BANDWIDTH TEST | 66 |
| 5.1 APPLIED PROCEDURES / LIMIT | 66 |
| 5.1.1 MEASUREMENT INSTRUMENTS LIST | 66 |
| 5.1.2 TEST PROCEDURE | 66 |
| 5.1.3 DEVIATION FROM STANDARD | 66 |
| 5.1.4 TEST SETUP | 66 |
| 5.1.5 EUT OPERATION CONDITIONS | 66 |
| 5.1.6 TEST RESULTS | 67 |

| Table of Contents | Page |
|---|-------------|
| 6 . PEAK OUTPUT POWER TEST | 71 |
| 6.1 APPLIED PROCEDURES / LIMIT | 71 |
| 6.1.1 MEASUREMENT INSTRUMENTS LIST | 71 |
| 6.1.2 TEST PROCEDURE | 71 |
| 6.1.3 DEVIATION FROM STANDARD | 71 |
| 6.1.4 TEST SETUP | 71 |
| 6.1.5 EUT OPERATION CONDITIONS | 71 |
| 6.1.6 TEST RESULTS | 72 |
| 7 . ANTENNA CONDUCTED SPURIOUS EMISSION | 73 |
| 7.1 APPLIED PROCEDURES / LIMIT | 73 |
| 7.1.1 MEASUREMENT INSTRUMENTS LIST | 73 |
| 7.1.2 TEST PROCEDURE | 73 |
| 7.1.3 DEVIATION FROM STANDARD | 73 |
| 7.1.4 TEST SETUP | 73 |
| 7.1.5 EUT OPERATION CONDITIONS | 73 |
| 7.1.6 TEST RESULTS | 74 |
| 8 . POWER SPECTRAL DENSITY TEST | 78 |
| 8.1 APPLIED PROCEDURES / LIMIT | 78 |
| 8.1.1 MEASUREMENT INSTRUMENTS LIST | 78 |
| 8.1.2 TEST PROCEDURE | 78 |
| 8.1.3 DEVIATION FROM STANDARD | 78 |
| 8.1.4 TEST SETUP | 78 |
| 8.1.5 EUT OPERATION CONDITIONS | 78 |
| 8.1.6 TEST RESULTS | 79 |
| 9 . RF EXPOSURE TEST | 83 |
| 9.1 APPLIED PROCEDURES / LIMIT | 83 |
| 9.1.1 MEASUREMENT INSTRUMENTS LIST | 83 |
| 9.1.2 TEST RESULTS | 84 |
| 10 . EUT TEST PHOTO | 85 |

1. CERTIFICATION

Equipment : 802.11g Super Wireless Access Point
Model No. : SPA30G
Applicant : yVes Technology Co., LTD.
Data of Test : Oct. 02, 2006 ~ Nov. 06, 2006
Test Item : ENGINEERING SAMPLE
Standards : FCC Part15, Subpart C / RSS-210: 2004/ ANCI C63.4 : 2003

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-0610003) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and CNLA according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| FCC Part15, Subpart C | | | |
|--------------------------------------|-------------------------------------|----------|--------|
| Standard Section | Test Item | Judgment | Remark |
| 15.207 | Conducted Emission | PASS | |
| 15.247 (c) | Antenna conducted Spurious Emission | PASS | |
| 15.247 (a)(2) | 6dB Bandwidth | PASS | |
| 15.247 (b) | Peak Output Power | PASS | |
| 15.247 (c) | Radiated Spurious Emission | PASS | |
| 15.247 (d) | Power Spectral Density | PASS | |
| 15.203 | Antenna Requirement | PASS | |
| 1.1307 1.1310 2.1091 2.1093 | RF Exposure Compliance | PASS | |

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **C01/OS02** at the location of No.132-1, Lane 329, Sec. 2, Palain Road, Shijr City, Taipei, Taiwan.

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95 %**.

A. Conducted Measurement :

| Test Site | Method | Measurement Frequency Range | U , (dB) | NOTE |
|-----------|--------|-----------------------------|----------|------|
| C01 | ANSI | 150 KHz ~ 30MHz | 1.94 | |

B. Radiated Measurement :

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U , (dB) | NOTE |
|-----------|--------|-----------------------------|------------|----------|------|
| OS-01 | ANSI | 30MHz ~ 200MHz | V | 3.82 | |
| | | 30MHz ~ 200MHz | H | 3.60 | |
| | | 200MHz ~ 1,000MHz | V | 3.86 | |
| | | 200MHz ~ 1,000MHz | H | 3.94 | |
| OS-02 | ANSI | 30MHz ~ 200MHz | V | 2.48 | |
| | | 30MHz ~ 200MHz | H | 2.16 | |
| | | 200MHz ~ 1,000MHz | V | 2.50 | |
| | | 200MHz ~ 1,000MHz | H | 2.66 | |

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | | |
|--|--|--|
| Equipment | 802.11g Super Wireless Access Point | |
| Model No. | SPA30G | |
| OEM Brand/Model No. | N/A | |
| Model Difference | N/A | |
| Product Description | The EUT is a 802.11g Super Wireless Access Point. | |
| | Operation Frequency: | 2412~2462 MHz |
| | Product Class: | Class 1 |
| | Receiver Class: | Class 3 |
| | Modulation Type: | DSSS |
| | Bit Rate of Transmitter | 802.11b:11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps |
| | Number Of Channel | 11 CH |
| | Antenna Designation: | Dipole Reverse SMA Antenna |
| | Antenna Gain(Peak) | 2 dBi |
| | Output Power: | 23.2 dBm (Max.) |
| Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual. | | |
| Channel List | Please refer to the Note 2. | |
| Power Source | DC Voltage supplied from AC/DC adapter. | |
| Power Rating | AC I/P 100-240Vac~1.0A MAX, 30-40VA, 50-60Hz/ DC O/P 18V, 1.0A | |
| Connecting I/O Port(s) | Please refer to the User's Manual | |
| Products Covered | AC/DC Adapter(Model No.: SYS1308-2418-W2) | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2.

| Channel List | | | | | | | |
|--------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 01 | 2412 | 05 | 2432 | 09 | 2452 | | |
| 02 | 2417 | 06 | 2437 | 10 | 2457 | | |
| 03 | 2422 | 07 | 2442 | 11 | 2462 | | |
| 04 | 2427 | 08 | 2447 | | | | |

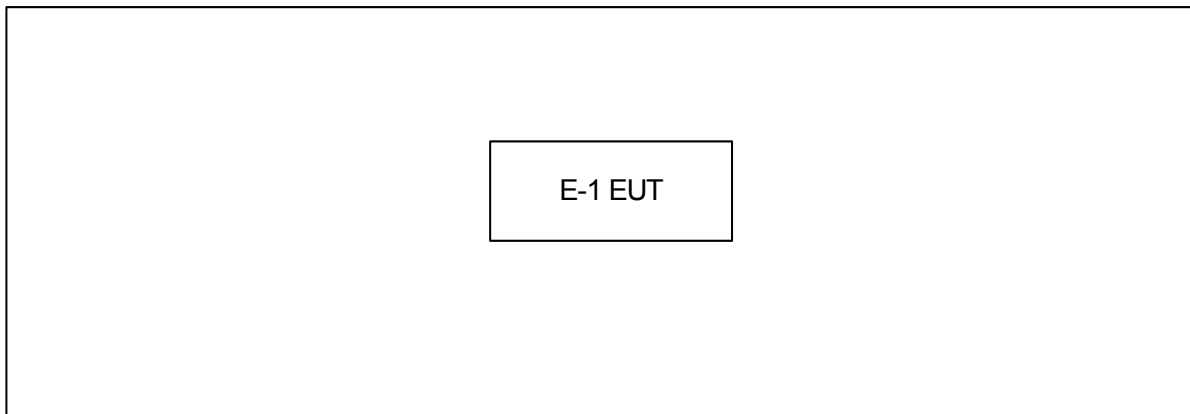
3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Test Mode | Description |
|-------------------|-------------|
| Mode 1 | CH01 |
| Mode 2 | CH06 |
| Mode 3 | CH11 |

| For Conducted / Radiated Test | |
|-------------------------------|-------------|
| Final Test Mode | Description |
| Mode 1 | CH01 |
| Mode 2 | CH06 |
| Mode 3 | CH11 |

3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | FCC ID | Series No. | Note |
|------|-------------------------------------|-----------|----------------|----------------|------------|------|
| E-1 | 802.11g Super Wireless Access Point | N/A | SPA30G | UVQ-YJ-SWAP30G | N/A | EUT |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| | N/A | N/A | N/A | |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | | Standard |
|-----------------|----------------|---------|----------------|-----------|----------|
| | Quasi-peak | Average | Quasi-peak | Average | |
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * | CISPR |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 | CISPR |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 | CISPR |

| | | | | | |
|-----------|-------|-------|-----------|-----------|-----|
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * | FCC |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 | FCC |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 | FCC |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|-----------------|-----------|------------|------------------|
| 1 | LISN | Rolf Heine | NNB-2/16Z | 98083 | Jul. 31, 2007 |
| 2 | Pulse Limiter | Electro-Metrics | EM-7600 | 112644 | Nov. 28, 2007 |
| 3 | Test Cable | N/A | C01 | N/A | Nov. 28, 2007 |
| 4 | EMI Test Receiver | R&S | ESCI | 100082 | Feb. 01, 2007 |

Remark: " N/A" denotes No Model No. , Serial No. or No Calibration specified.

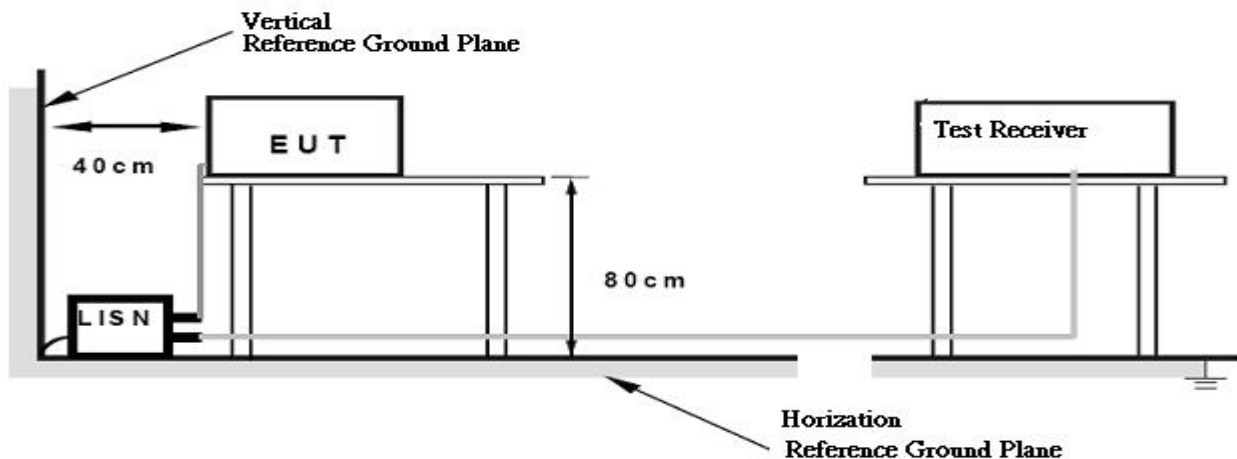
4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

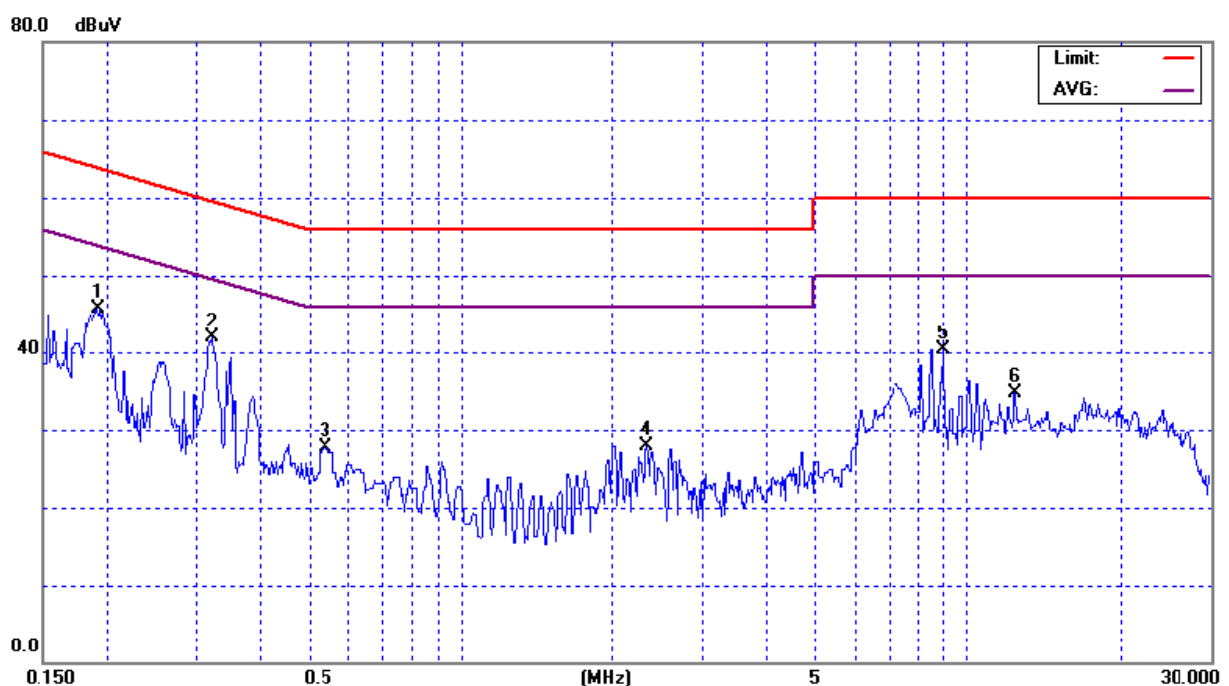
4.1.7 TEST RESULTS

| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 26 °C | Relative Humidity : | 55 % |
| Pressure : | 1010 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH01 | | |

| Freq. (MHz) | Terminal L/N | Measured(dBuV) | | Limits(dBuV) | | Margin (dB) | Note |
|----------------|-----------------|----------------|---------|--------------|---------|----------------|------|
| | | QP-Mode | AV-Mode | QP-Mode | AV-Mode | | |
| 0.19 | Line | 45.78 | * | 63.97 | 53.97 | -18.19 | (QP) |
| 0.32 | Line | 42.00 | * | 59.69 | 49.69 | -17.69 | (QP) |
| 0.54 | Line | 27.72 | * | 56.00 | 46.00 | -28.28 | (QP) |
| 2.33 | Line | 27.93 | * | 56.00 | 46.00 | -28.07 | (QP) |
| 8.96 | Line | 40.37 | * | 60.00 | 50.00 | -19.63 | (QP) |
| 12.39 | Line | 34.62 | * | 60.00 | 50.00 | -25.38 | (QP) |

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz ◦ Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=1MHz,VBW=10Hz, Swp. Time =0.3 sec./MHz ◦
- (2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform ◦ In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured ◦
- (3) Measuring frequency range from 150KHz to 30MHz ◦

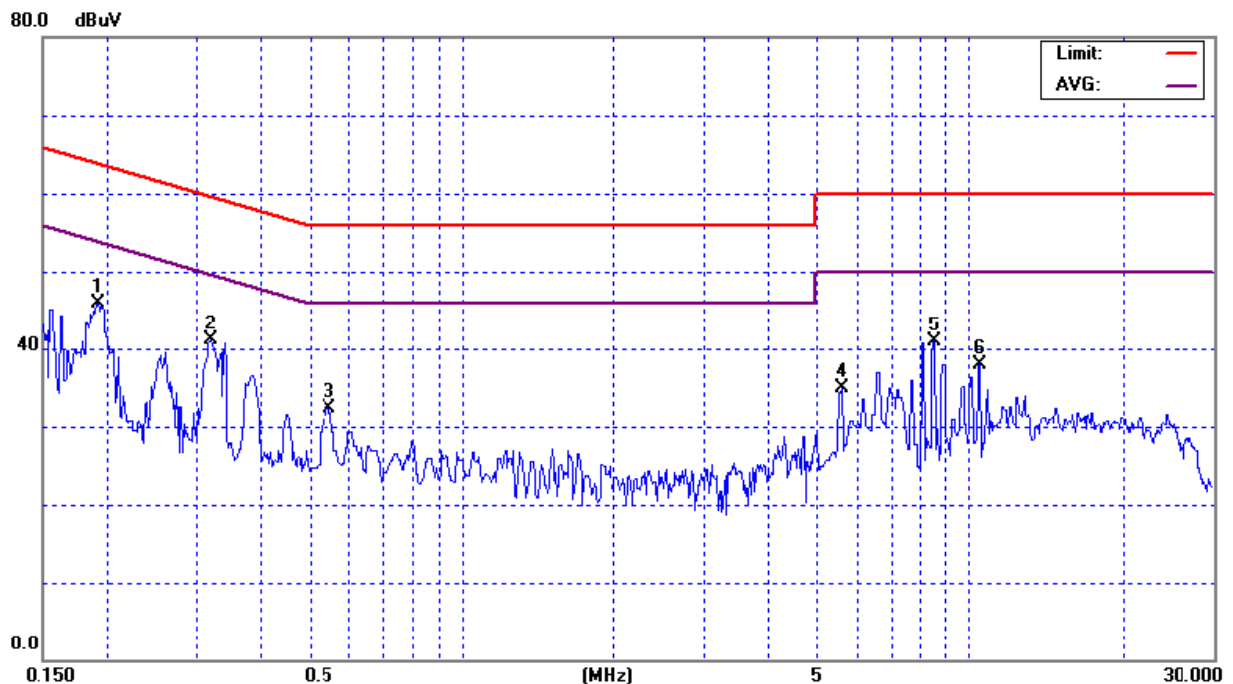


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 26 °C | Relative Humidity : | 55 % |
| Pressure : | 1010 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH01 | | |

| Freq. (MHz) | Terminal L/N | Measured(dBuV) | | Limits(dBuV) | | Margin (dB) | Note |
|----------------|-----------------|----------------|---------|--------------|---------|----------------|------|
| | | QP-Mode | AV-Mode | QP-Mode | AV-Mode | | |
| 0.19 | Neutral | 45.97 | * | 63.97 | 53.97 | -18.00 | (QP) |
| 0.32 | Neutral | 41.19 | * | 59.71 | 49.71 | -18.52 | (QP) |
| 0.55 | Neutral | 32.21 | * | 56.00 | 46.00 | -23.79 | (QP) |
| 5.57 | Neutral | 34.90 | * | 60.00 | 50.00 | -25.10 | (QP) |
| 8.54 | Neutral | 40.93 | * | 60.00 | 50.00 | -19.07 | (QP) |
| 10.46 | Neutral | 37.99 | * | 60.00 | 50.00 | -22.01 | (QP) |

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz ◦
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=1MHz,VBW=10Hz, Swp. Time =0.3 sec./MHz ◦
- (2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform ◦ In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured ◦
- (3) Measuring frequency range from 150KHz to 30MHz ◦

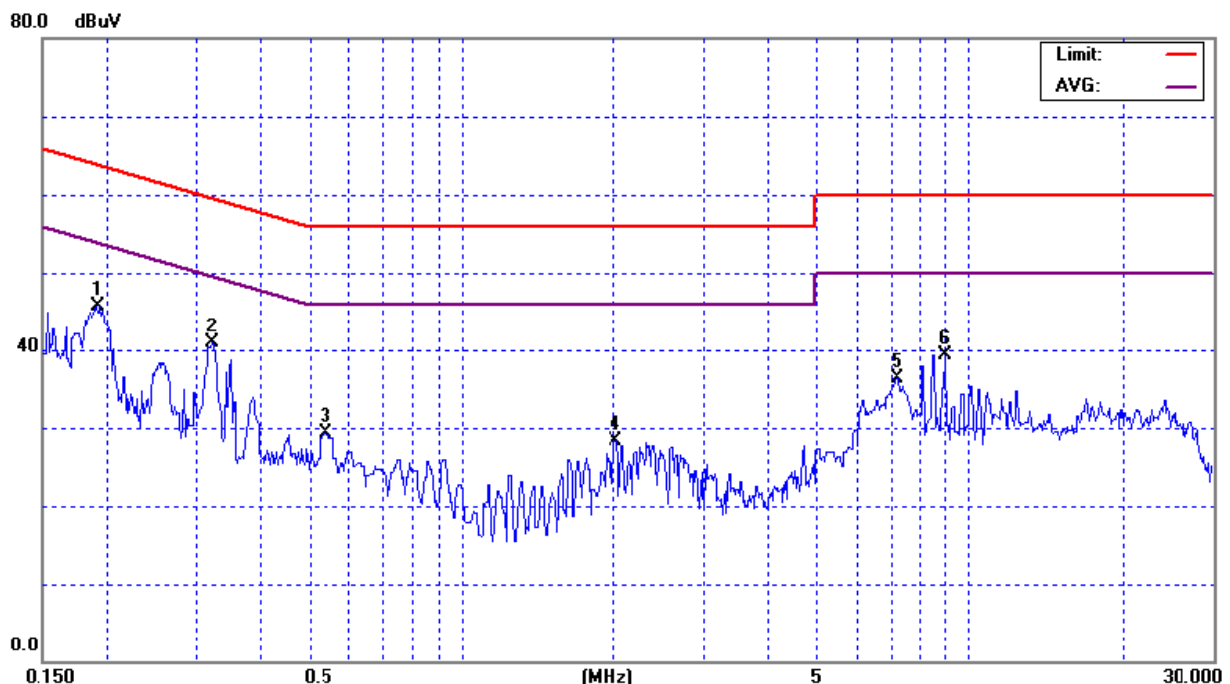


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 26 °C | Relative Humidity : | 55 % |
| Pressure : | 1010 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH01 | | |

| Freq. (MHz) | Terminal L/N | Measured(dBuV) | | Limits(dBuV) | | Margin (dB) | Note |
|----------------|-----------------|----------------|---------|--------------|---------|----------------|------|
| | | QP-Mode | AV-Mode | QP-Mode | AV-Mode | | |
| 0.19 | Line | 45.78 | * | 63.97 | 53.97 | -18.19 | (QP) |
| 0.32 | Line | 41.00 | * | 59.69 | 49.69 | -18.69 | (QP) |
| 0.54 | Line | 29.22 | * | 56.00 | 46.00 | -26.78 | (QP) |
| 2.00 | Line | 28.32 | * | 56.00 | 46.00 | -27.68 | (QP) |
| 7.18 | Line | 36.31 | * | 60.00 | 50.00 | -23.69 | (QP) |
| 8.96 | Line | 39.37 | * | 60.00 | 50.00 | -20.63 | (QP) |

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz ; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz ◦
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=1MHz,VBW=10Hz, Swp. Time =0.3 sec./MHz ◦
- (2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform ◦ In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured ◦
- (3) Measuring frequency range from 150KHz to 30MHz ◦

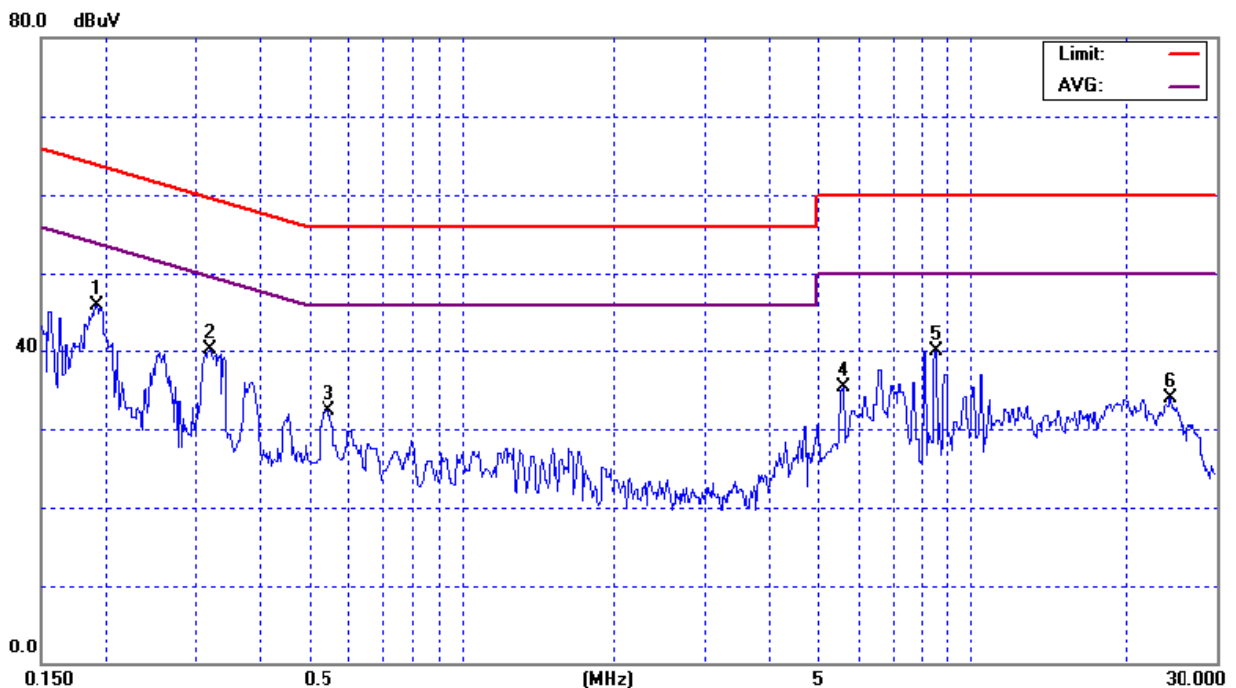


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 26 °C | Relative Humidity : | 55 % |
| Pressure : | 1010 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH01 | | |

| Freq. (MHz) | Terminal L/N | Measured(dBuV) | | Limits(dBuV) | | Margin (dB) | Note |
|----------------|-----------------|----------------|---------|--------------|---------|----------------|------|
| | | QP-Mode | AV-Mode | QP-Mode | AV-Mode | | |
| 0.19 | Neutral | 45.97 | * | 63.97 | 53.97 | -18.00 | (QP) |
| 0.32 | Neutral | 40.19 | * | 59.71 | 49.71 | -19.52 | (QP) |
| 0.55 | Neutral | 32.21 | * | 56.00 | 46.00 | -23.79 | (QP) |
| 5.57 | Neutral | 35.40 | * | 60.00 | 50.00 | -24.60 | (QP) |
| 8.54 | Neutral | 39.92 | * | 60.00 | 50.00 | -20.08 | (QP) |
| 24.43 | Neutral | 33.92 | * | 60.00 | 50.00 | -26.08 | (QP) |

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz ◦
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=1MHz,VBW=10Hz, Swp. Time =0.3 sec./MHz ◦
- (2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform ◦ In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured ◦
- (3) Measuring frequency range from 150KHz to 30MHz ◦



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 30MHz-1000MHz)

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | | Standard |
|-----------------|----------------|-------|----------------|-------|----------|
| | 10m | 30m | 10m | 3m | |
| 30.00 -230.00 | 40.00 | 30.00 | 30.00 | 40.00 | CISPR |
| 230.0 -1000.0 | 47.00 | 37.00 | 37.00 | 47.00 | CISPR |

| | | | | | |
|---------------|-------|-----|-------|-------|-----|
| 30.00 - 88.00 | 39.00 | N/A | 30.00 | 40.00 | FCC |
| 88.00 - 216.0 | 43.50 | N/A | 33.50 | 43.50 | FCC |
| 216.0 -960.0 | 46.00 | N/A | 36.00 | 46.00 | FCC |
| above 960.0 | 49.50 | N/A | 46.00 | 54.00 | FCC |

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) A measuring distance of 10m is a primary used. However, either 3m or 10m (instead of 10m) distance may be allowed. If the distance is 3m, add 10dB to the QP-limit above. If the distance is 10m, subtract 10dB from the QP-limit above.

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| FREQUENCY (MHz) | Class A (dBuV/m) (at 3m) | | Class B (dBuV/m) (at 3m) | |
|-----------------|--------------------------|---------|--------------------------|---------|
| | PEAK | AVERAGE | PEAK | AVERAGE |
| Above 1000 | 80 | 60 | 74 | 54 |

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

| Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz) | Range (MHz) |
|---|---|
| Below 1.705 | 30 |
| 1.705 – 108 | 1000 |
| 108 – 500 | 2000 |
| 500 – 1000 | 5000 |
| Above 1000 | 5 th harmonic of the highest frequency or 40 GHz, whichever is lower |

4.2.2 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|-----------------|--------------|------------|------------------|
| 1 | Log-Bicon Antenna | MESS-ELEKTRONIK | VULB 9160 | 3058 | Nov. 28, 2007 |
| 2 | Test Cable | N/A | 10M_OS02 | N/A | Nov. 28, 2007 |
| 3 | Test Cable | N/A | OS02-1/-2/-3 | N/A | Nov. 28, 2007 |
| 4 | Pre-Amplifier | Anritsu | MH648A | M09961 | Nov. 28, 2007 |
| 5 | EMI Test Receiver | R&S | ESCI | 100082 | Feb. 01, 2007 |
| 6 | Antenna Mast | Chance Most | CMTB-1.5 | N/A | N/A |
| 7 | Turn Table | Chance Most | CMTB-1.5 | N/A | N/A |

Remark: " N/A" denotes No Model No. / Serial No. and No Calibration specified.

4.2.3 TEST PROCEDURE

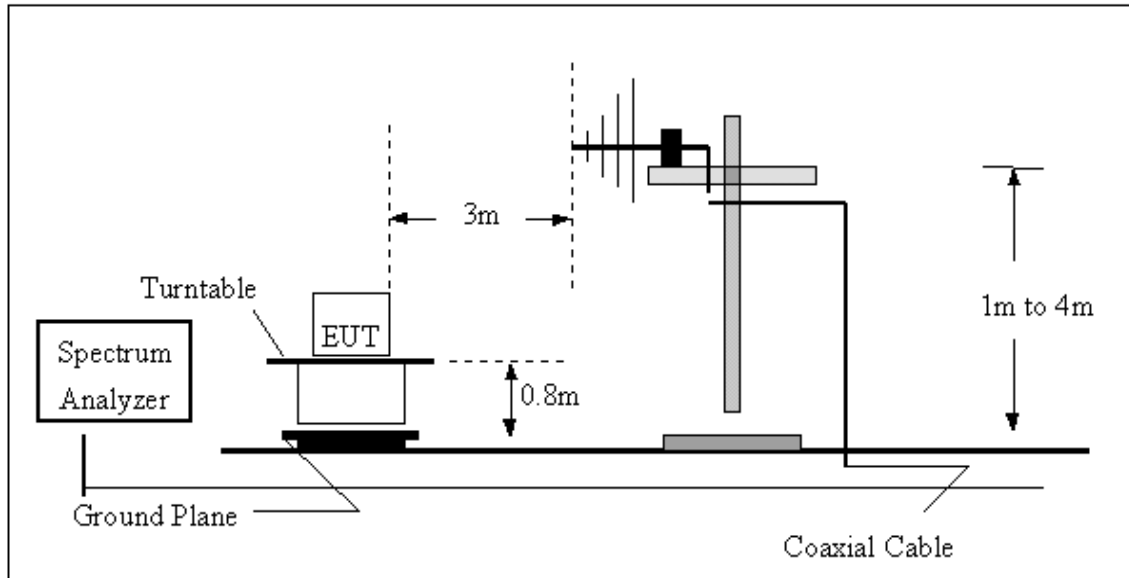
- The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.4 DEVIATION FROM TEST STANDARD

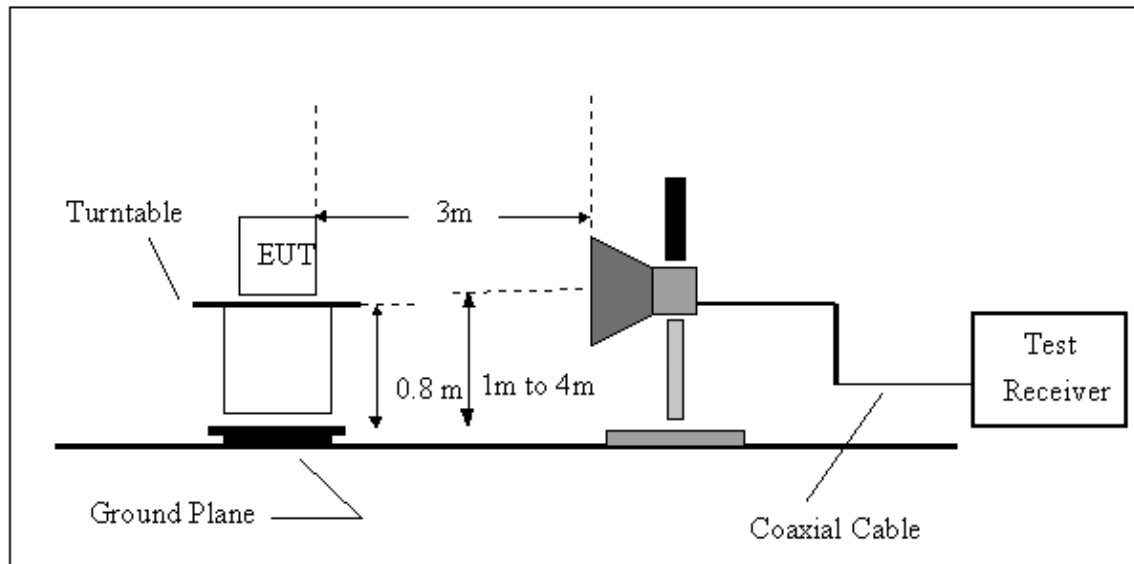
No deviation

4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

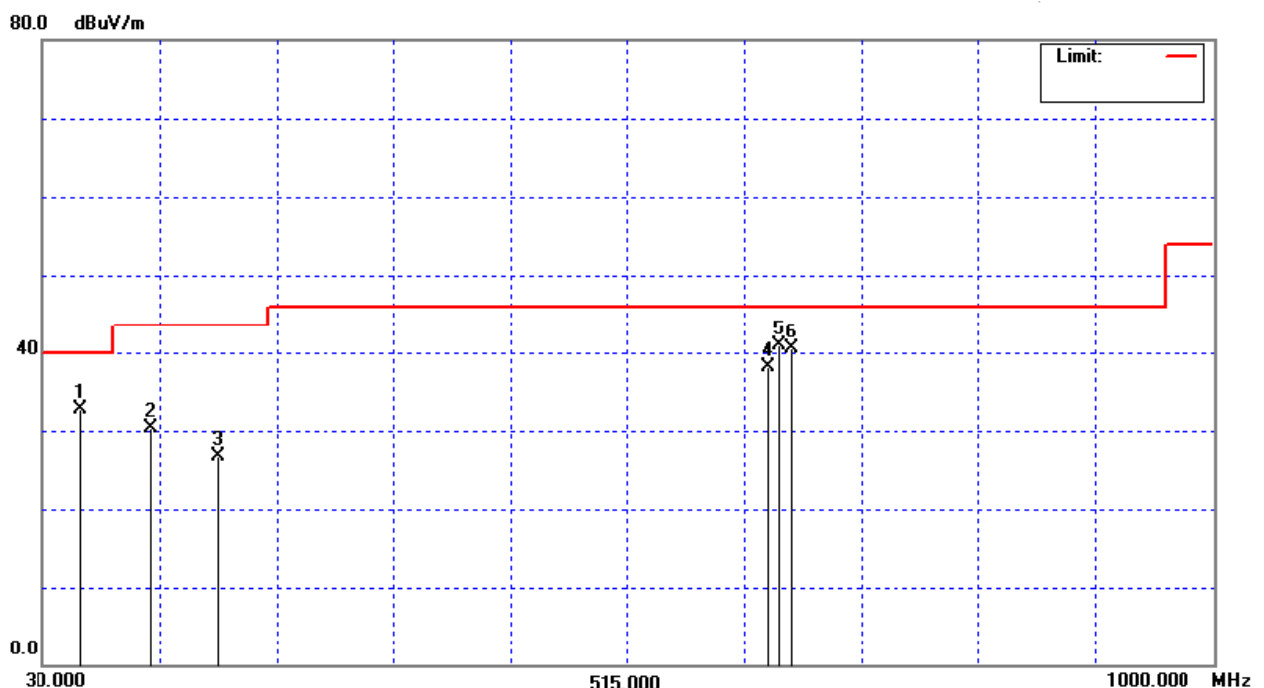
4.2.7 TEST RESULTS (Between 30 – 1000 MHz)

| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH01 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 60.24 | V | 39.45 | -6.67 | 32.78 | 40.00 | - 7.22 | (QP) |
| 118.02 | V | 36.98 | -6.66 | 30.32 | 43.50 | - 13.18 | (QP) |
| 175.26 | V | 32.15 | -5.54 | 26.61 | 43.50 | - 16.89 | (QP) |
| 630.40 | V | 34.93 | 3.16 | 38.09 | 46.00 | - 7.91 | (QP) |
| 640.20 | V | 37.48 | 3.34 | 40.82 | 46.00 | - 5.18 | (QP) |
| 650.00 | V | 36.98 | 3.53 | 40.51 | 46.00 | - 5.49 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform .
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency . “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission .
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

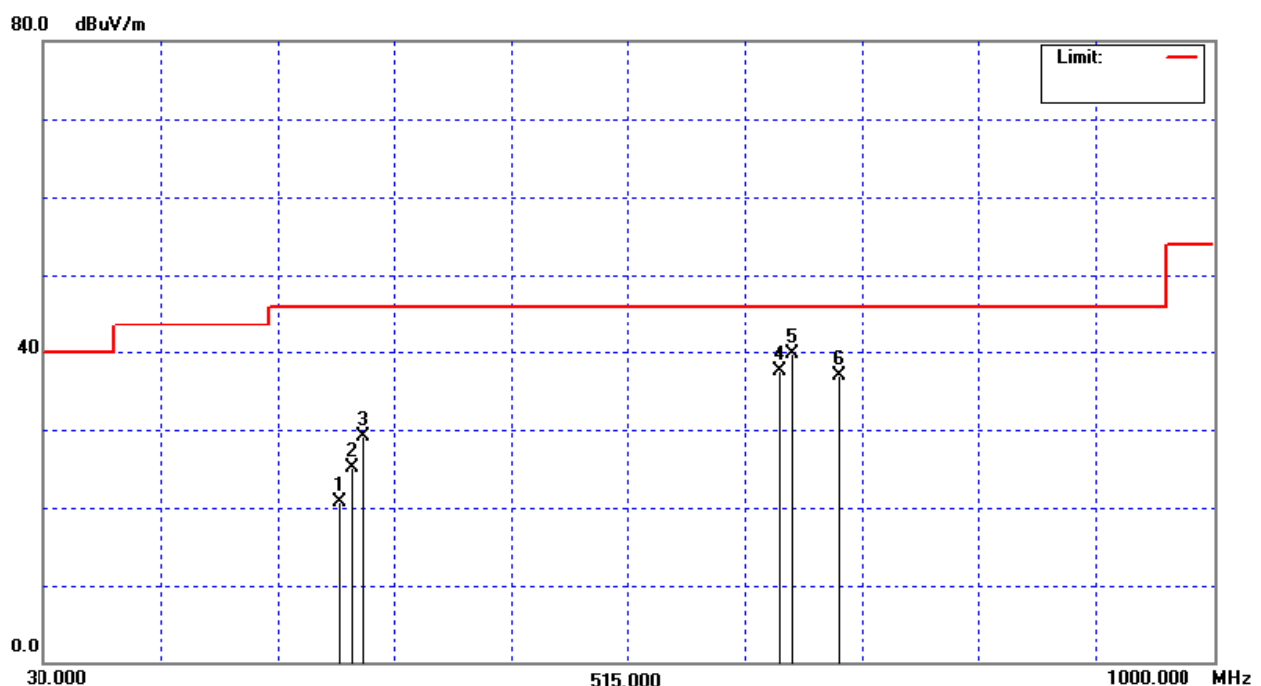


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH01 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 275.16 | H | 25.64 | -4.84 | 20.80 | 46.00 | - 25.20 | (QP) |
| 284.88 | H | 29.50 | -4.42 | 25.08 | 46.00 | - 20.92 | (QP) |
| 294.60 | H | 33.36 | -4.20 | 29.16 | 46.00 | - 16.84 | (QP) |
| 640.20 | H | 34.11 | 3.34 | 37.45 | 46.00 | - 8.55 | (QP) |
| 650.00 | H | 36.21 | 3.53 | 39.74 | 46.00 | - 6.26 | (QP) |
| 689.20 | H | 32.16 | 4.80 | 36.96 | 46.00 | - 9.04 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

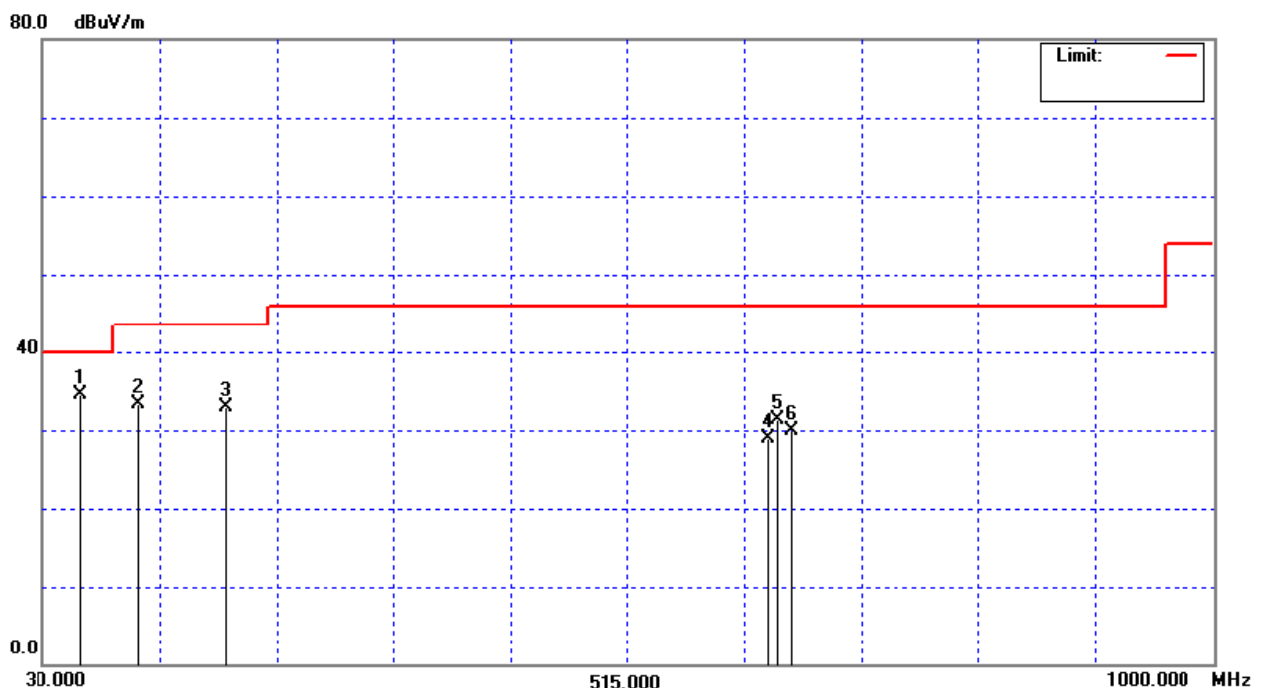


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH06 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 60.78 | V | 41.31 | -6.74 | 34.57 | 40.00 | - 5.43 | (QP) |
| 108.30 | V | 40.92 | -7.60 | 33.32 | 43.50 | - 10.18 | (QP) |
| 180.66 | V | 39.24 | -6.29 | 32.95 | 43.50 | - 10.55 | (QP) |
| 630.40 | V | 25.72 | 3.16 | 28.88 | 46.00 | - 17.12 | (QP) |
| 638.80 | V | 27.93 | 3.31 | 31.24 | 46.00 | - 14.76 | (QP) |
| 650.00 | V | 26.41 | 3.53 | 29.94 | 46.00 | - 16.06 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

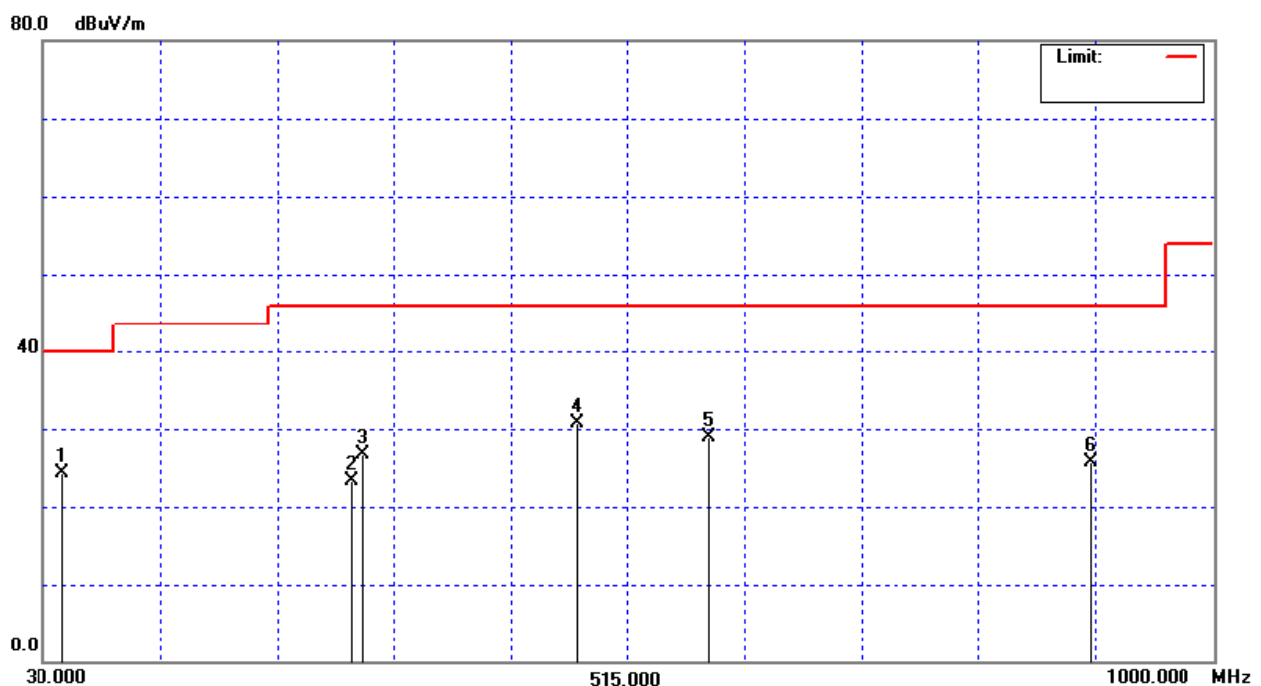


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH06 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|----------------|-------------|-----------------------|-------------------------|--------------------------|------------------------|----------------|------|
| 44.04 | H | 30.40 | -6.01 | 24.39 | 40.00 | - 15.61 | (QP) |
| 284.88 | H | 27.77 | -4.42 | 23.35 | 46.00 | - 22.65 | (QP) |
| 294.60 | H | 31.00 | -4.20 | 26.80 | 46.00 | - 19.20 | (QP) |
| 472.20 | H | 30.65 | 0.12 | 30.77 | 46.00 | - 15.23 | (QP) |
| 581.40 | H | 26.83 | 2.16 | 28.99 | 46.00 | - 17.01 | (QP) |
| 897.80 | H | 17.92 | 7.71 | 25.63 | 46.00 | - 20.37 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

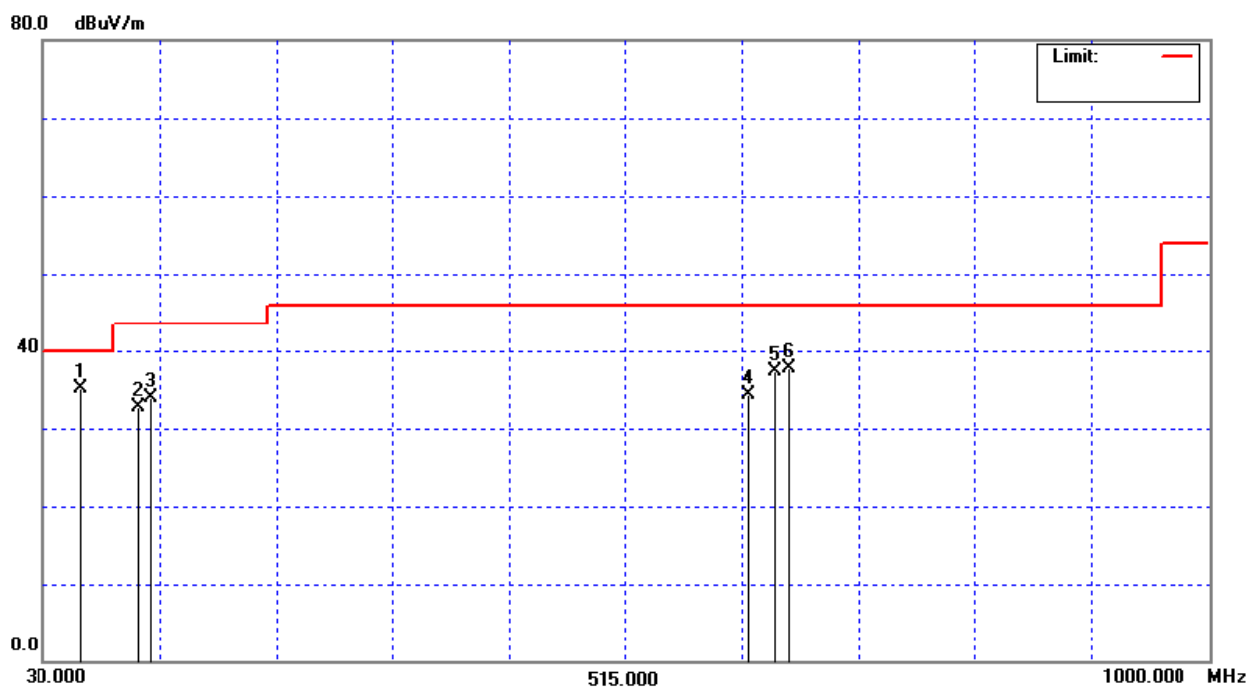


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH11 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 60.24 | V | 41.73 | -6.67 | 35.06 | 40.00 | - 4.94 | (QP) |
| 108.84 | V | 40.15 | -7.52 | 32.63 | 43.50 | - 10.87 | (QP) |
| 118.02 | V | 40.49 | -6.67 | 33.82 | 43.50 | - 9.68 | (QP) |
| 617.80 | V | 31.29 | 2.93 | 34.22 | 46.00 | - 11.78 | (QP) |
| 637.40 | V | 33.94 | 3.29 | 37.23 | 46.00 | - 8.77 | (QP) |
| 650.00 | V | 34.11 | 3.53 | 37.64 | 46.00 | - 8.36 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

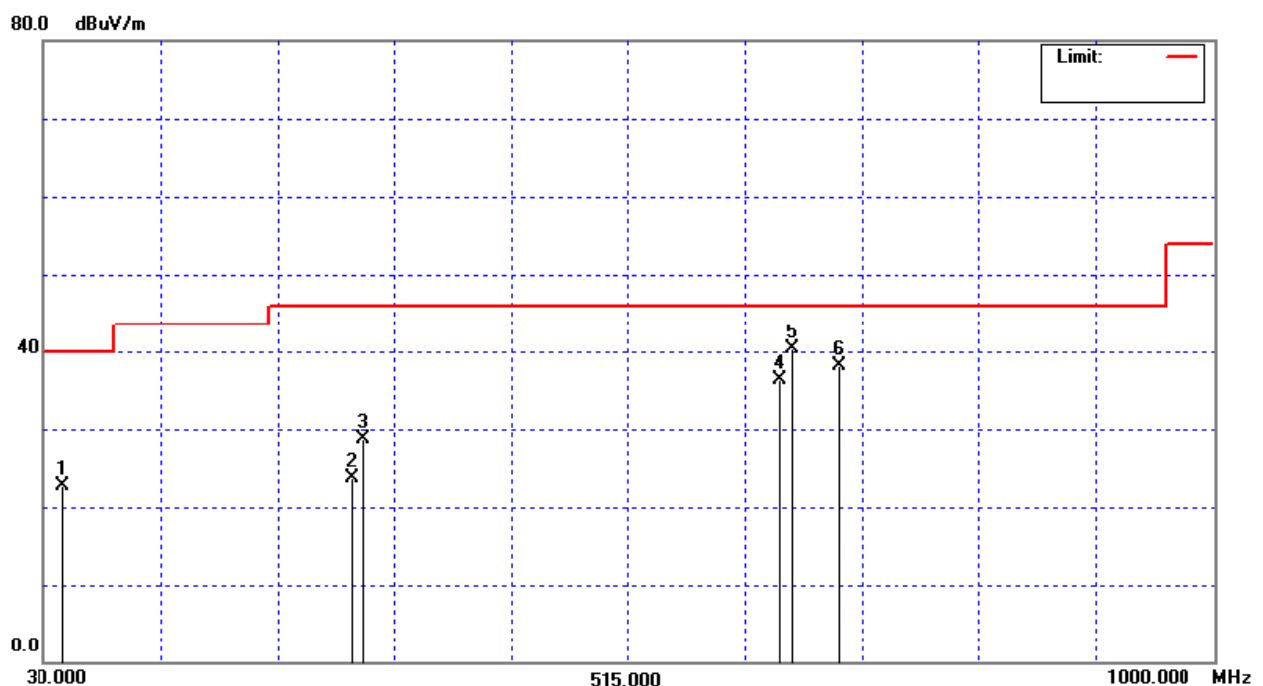


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH11 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 44.04 | H | 28.77 | -6.01 | 22.76 | 40.00 | - 17.24 | (QP) |
| 284.88 | H | 28.09 | -4.42 | 23.67 | 46.00 | - 22.33 | (QP) |
| 294.60 | H | 32.94 | -4.20 | 28.74 | 46.00 | - 17.26 | (QP) |
| 640.02 | H | 33.00 | 3.34 | 36.34 | 46.00 | - 9.66 | (QP) |
| 650.00 | H | 36.82 | 3.53 | 40.35 | 46.00 | - 5.65 | (QP) |
| 689.20 | H | 33.26 | 4.80 | 38.06 | 46.00 | - 7.94 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

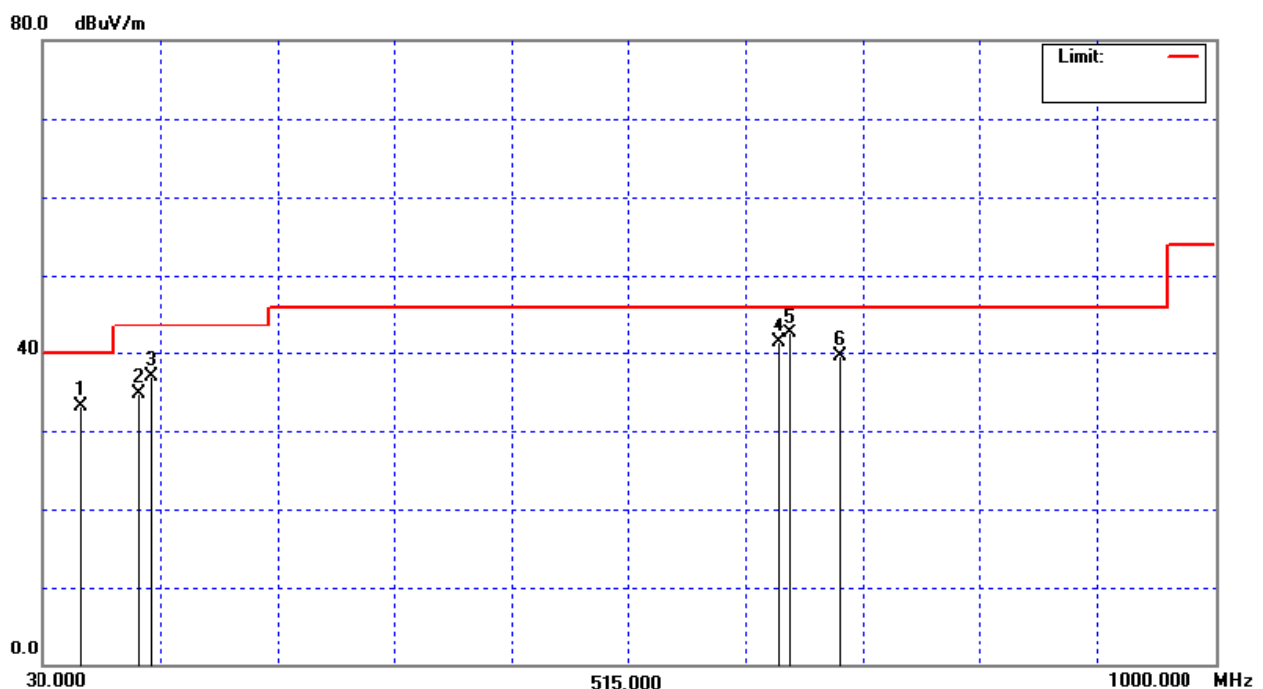


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH01 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 59.16 | V | 39.59 | -6.54 | 33.05 | 40.00 | - 6.95 | (QP) |
| 108.30 | V | 42.22 | -7.60 | 34.62 | 43.50 | - 8.88 | (QP) |
| 118.02 | V | 43.51 | -6.66 | 36.85 | 43.50 | - 6.65 | (QP) |
| 638.80 | V | 38.04 | 3.31 | 41.35 | 46.00 | - 4.65 | (QP) |
| 648.60 | V | 39.08 | 3.50 | 42.58 | 46.00 | - 3.42 | (QP) |
| 687.80 | V | 34.69 | 4.75 | 39.44 | 46.00 | - 6.56 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

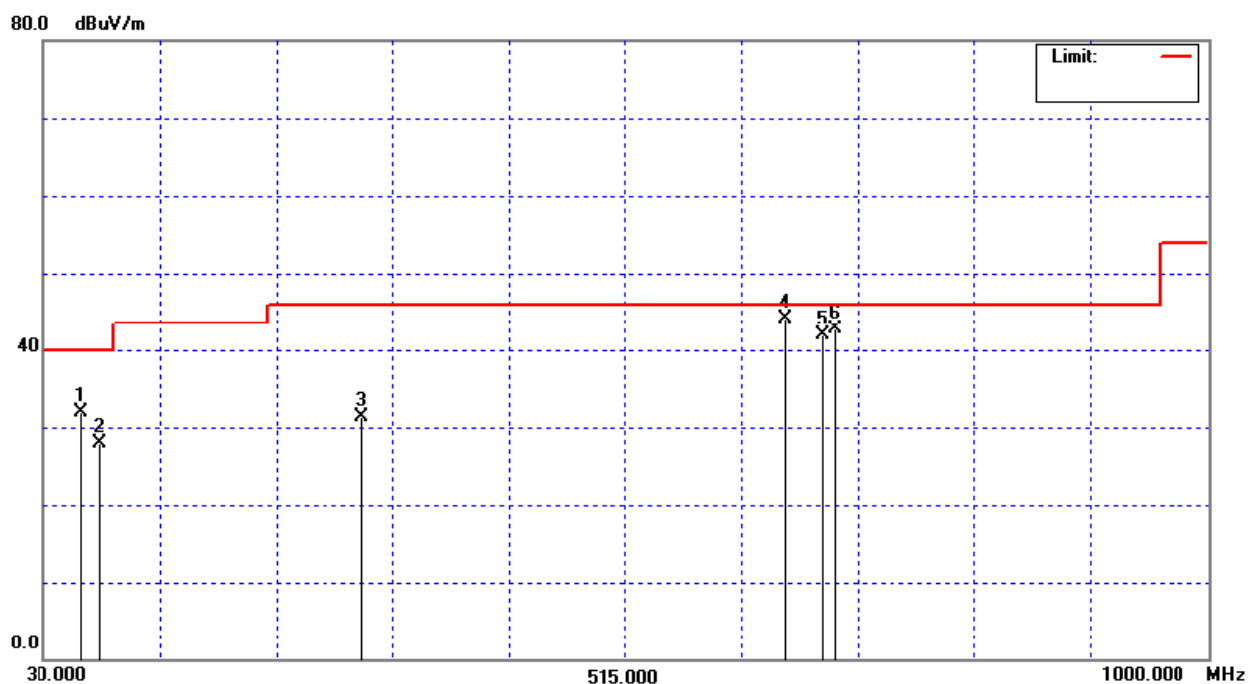


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH01 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 60.24 | H | 38.60 | -6.67 | 31.93 | 40.00 | - 8.07 | (QP) |
| 74.82 | H | 37.08 | -9.19 | 27.89 | 40.00 | - 12.11 | (QP) |
| 294.60 | H | 35.53 | -4.20 | 31.33 | 46.00 | - 14.67 | (QP) |
| 648.60 | H | 40.67 | 3.50 | 44.17 | 46.00 | - 1.83 | (QP) |
| 678.00 | H | 37.46 | 4.43 | 41.89 | 46.00 | - 4.11 | (QP) |
| 687.80 | H | 38.02 | 4.75 | 42.77 | 46.00 | - 3.23 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

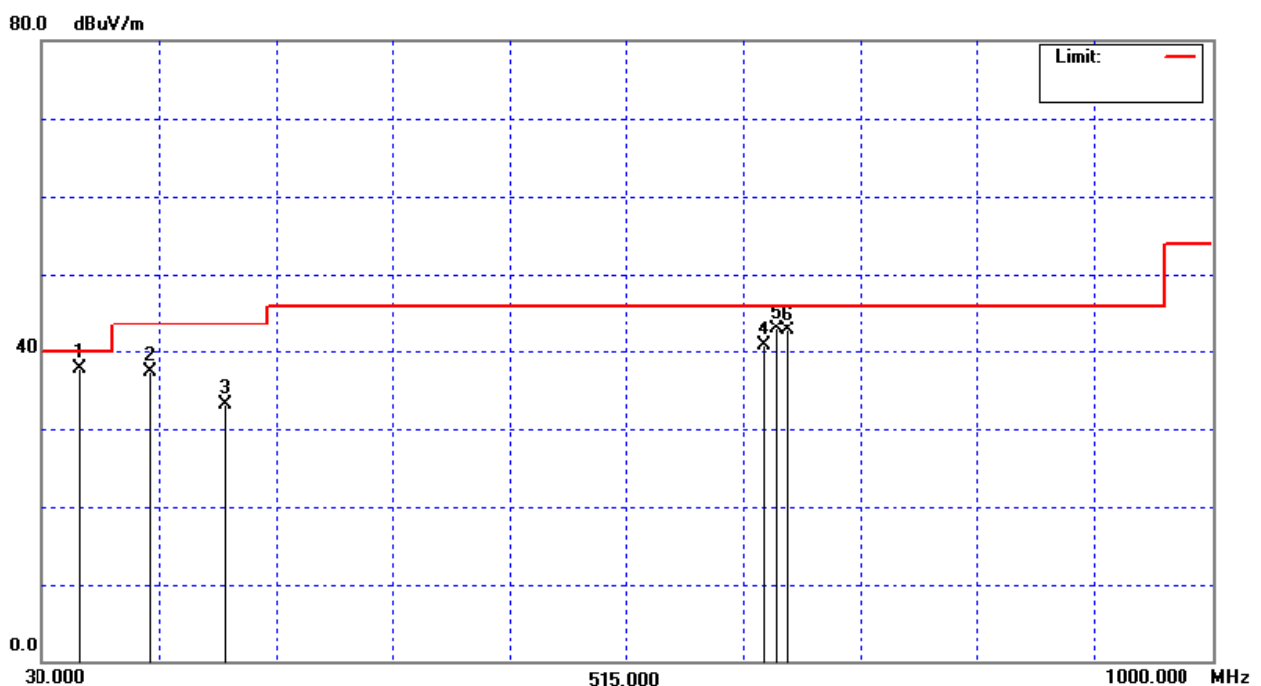


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH06 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 60.24 | V | 44.33 | -6.67 | 37.66 | 40.00 | - 2.34 | (QP) |
| 118.02 | V | 44.00 | -6.66 | 37.34 | 43.50 | - 6.16 | (QP) |
| 180.66 | V | 39.38 | -6.29 | 33.09 | 43.50 | - 10.41 | (QP) |
| 629.00 | V | 37.51 | 3.14 | 40.65 | 46.00 | - 5.35 | (QP) |
| 638.80 | V | 39.55 | 3.31 | 42.86 | 46.00 | - 3.14 | (QP) |
| 648.60 | V | 39.25 | 3.50 | 42.75 | 46.00 | - 3.25 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

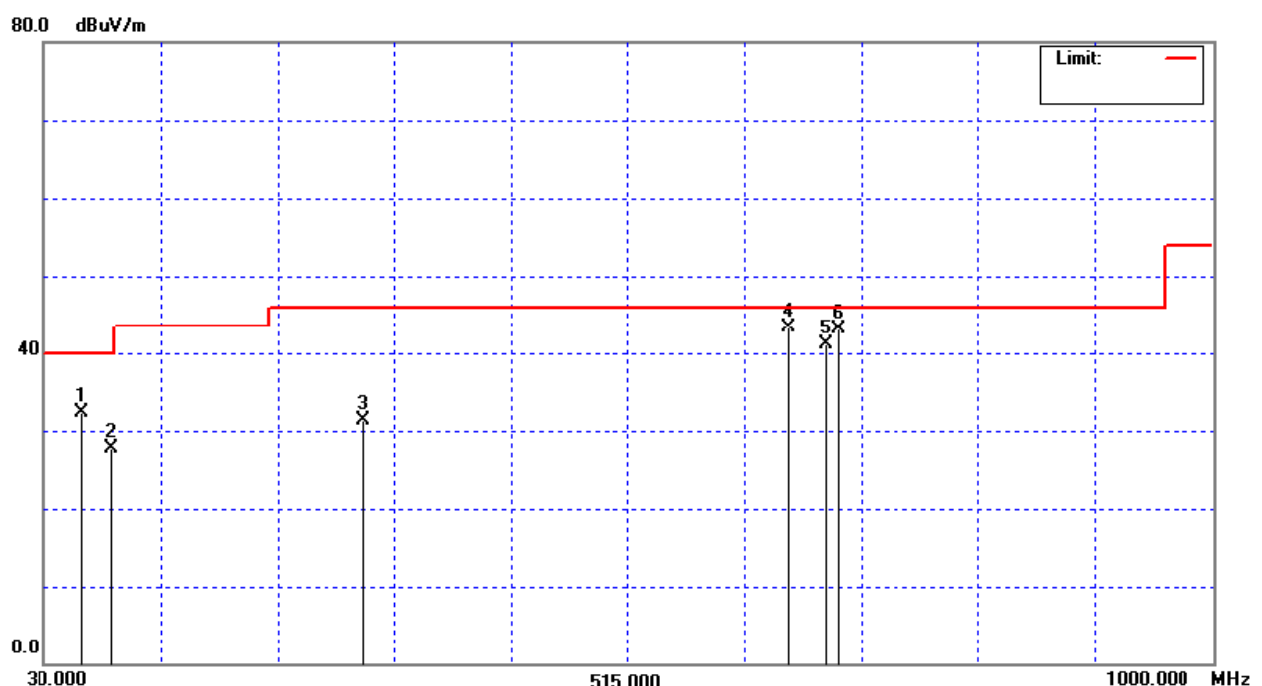


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH06 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 59.16 | H | 38.83 | -6.54 | 32.29 | 40.00 | - 7.71 | (QP) |
| 86.16 | H | 37.84 | -10.08 | 27.76 | 40.00 | - 12.24 | (QP) |
| 294.60 | H | 35.54 | -4.20 | 31.34 | 46.00 | - 14.66 | (QP) |
| 648.60 | H | 39.89 | 3.50 | 43.39 | 46.00 | - 2.61 | (QP) |
| 678.00 | H | 36.64 | 4.43 | 41.07 | 46.00 | - 4.93 | (QP) |
| 687.80 | H | 38.34 | 4.75 | 43.09 | 46.00 | - 2.91 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

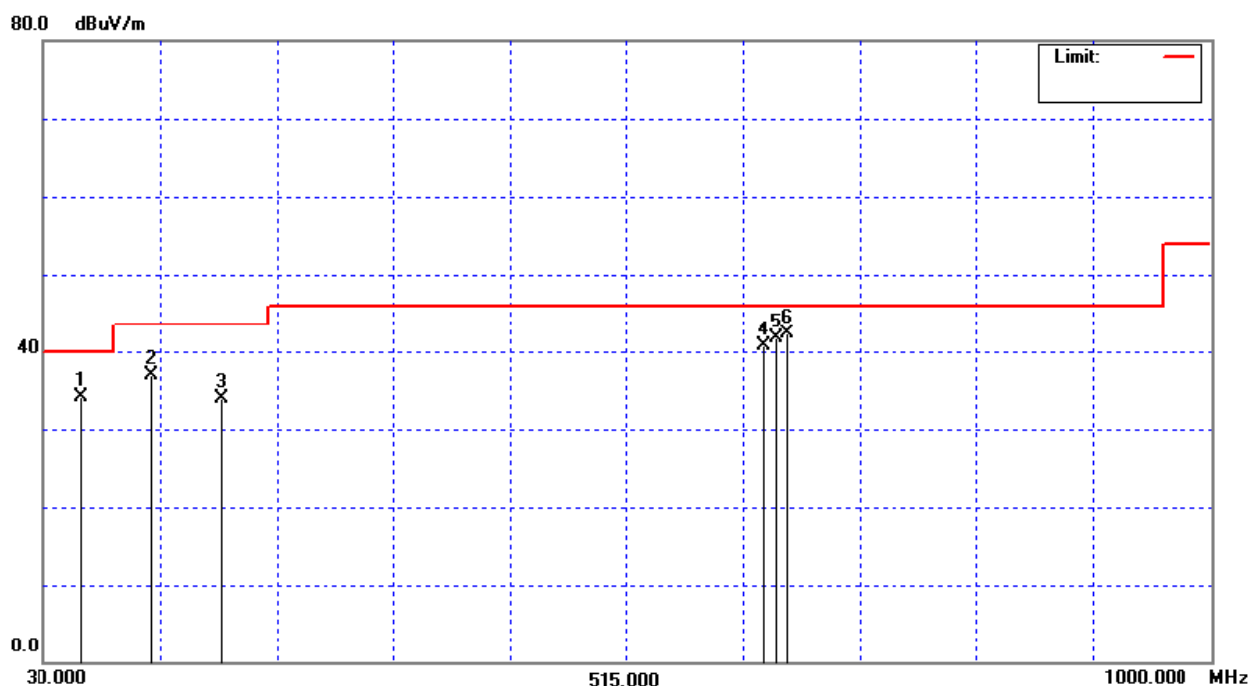


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH11 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 59.16 | V | 40.68 | -6.54 | 34.14 | 40.00 | - 5.86 | (QP) |
| 118.02 | V | 43.54 | -6.66 | 36.88 | 43.50 | - 6.62 | (QP) |
| 176.88 | V | 39.75 | -5.77 | 33.98 | 43.50 | - 9.52 | (QP) |
| 629.00 | V | 37.50 | 3.14 | 40.64 | 46.00 | - 5.36 | (QP) |
| 638.80 | V | 38.37 | 3.31 | 41.68 | 46.00 | - 4.32 | (QP) |
| 648.60 | V | 38.76 | 3.50 | 42.26 | 46.00 | - 3.74 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

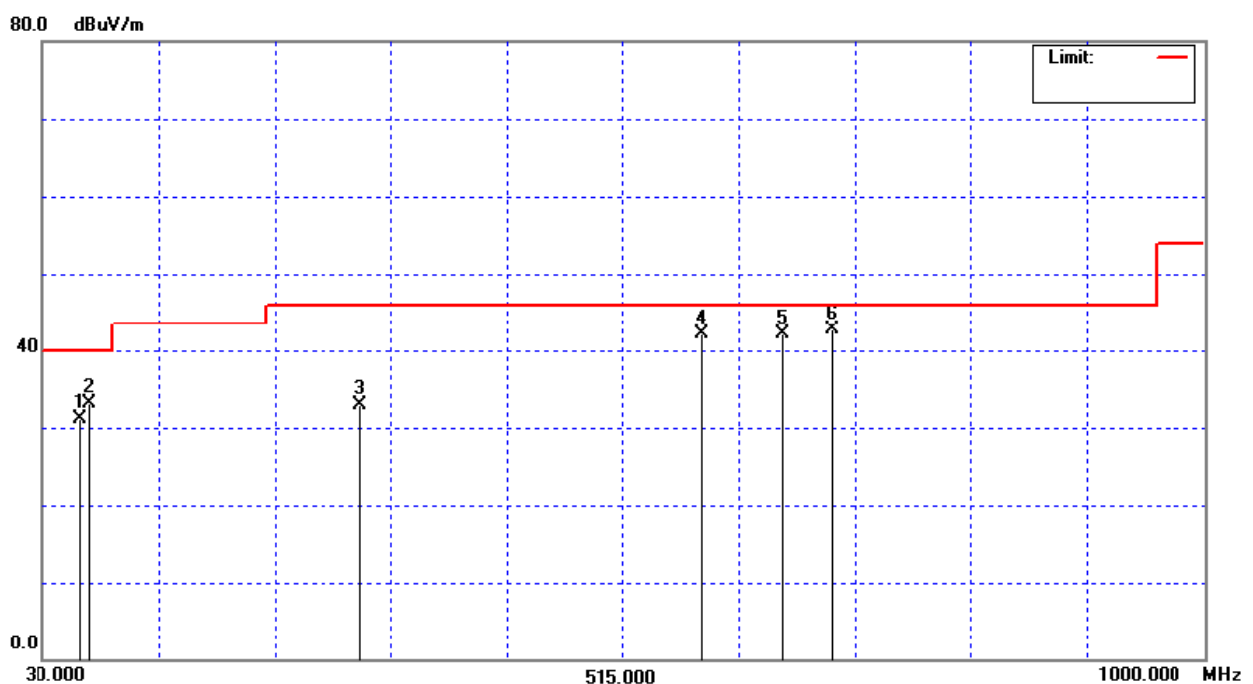


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 24 °C | Relative Humidity : | 74 % |
| Pressure : | 1017 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH11 | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|-------------|----------|--------------------|----------------------|-----------------------|---------------------|-------------|------|
| 59.16 | H | 37.65 | -6.54 | 31.11 | 40.00 | - 8.89 | (QP) |
| 68.34 | H | 41.03 | -7.94 | 33.09 | 40.00 | - 6.91 | (QP) |
| 294.60 | H | 37.07 | -4.20 | 32.87 | 46.00 | - 13.13 | (QP) |
| 580.00 | H | 40.02 | 2.13 | 42.15 | 46.00 | - 3.85 | (QP) |
| 648.60 | H | 38.67 | 3.50 | 42.17 | 46.00 | - 3.83 | (QP) |
| 687.80 | H | 38.04 | 4.75 | 42.79 | 46.00 | - 3.21 | (QP) |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



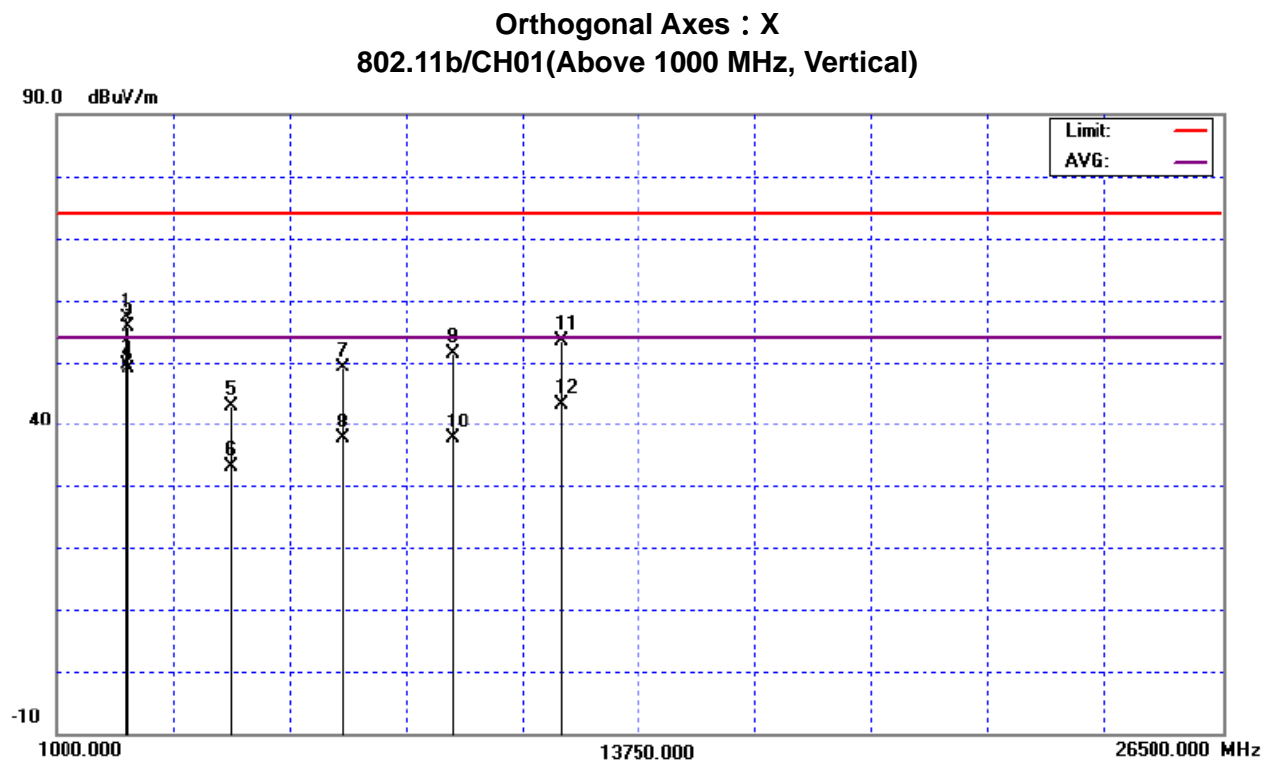
4.2.8 TEST RESULTS (Above 1000 MHz)

| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH01 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2520.00 | V | 59.79 | 52.19 | -2.63 | 57.16 | 49.56 | 74.00 | 54.00 | X/H |
| 2570.00 | V | 58.14 | 51.30 | -2.44 | 55.70 | 48.86 | 74.00 | 54.00 | X/H |
| 4824.00 | V | 39.66 | 30.09 | 3.12 | 42.78 | 33.21 | 74.00 | 54.00 | X/H |
| 7236.00 | V | 41.71 | 30.15 | 7.47 | 49.18 | 37.62 | 74.00 | 54.00 | X/H |
| 9648.00 | V | 41.30 | 27.64 | 9.97 | 51.27 | 37.61 | 74.00 | 54.00 | X/H |
| 12060.00 | V | 40.30 | 30.08 | 13.01 | 53.31 | 43.09 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

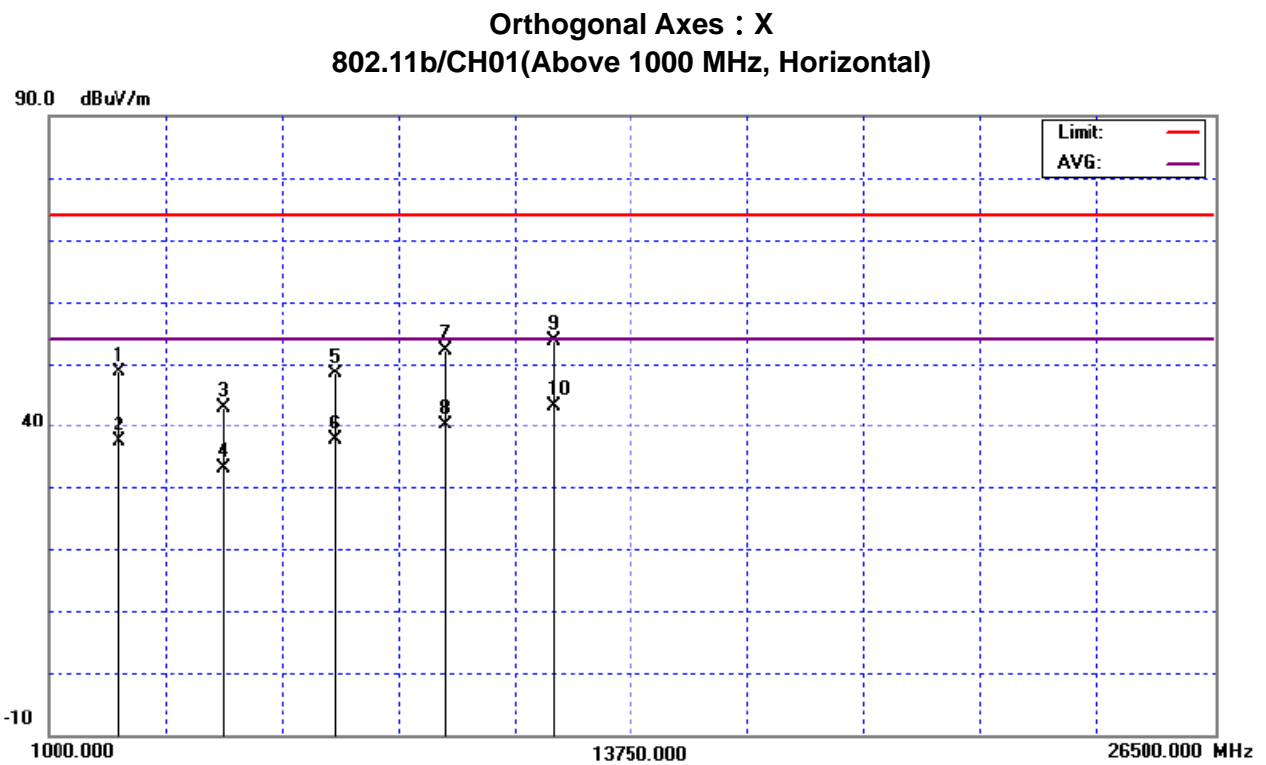


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH01 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2520.00 | H | 51.22 | 39.90 | -2.63 | 48.59 | 37.27 | 74.00 | 54.00 | X/H |
| 4824.00 | H | 39.66 | 30.09 | 3.12 | 42.78 | 33.21 | 74.00 | 54.00 | X/H |
| 7236.00 | H | 40.96 | 30.11 | 7.47 | 48.43 | 37.58 | 74.00 | 54.00 | X/H |
| 9648.00 | H | 42.07 | 30.13 | 9.97 | 52.04 | 40.10 | 74.00 | 54.00 | X/H |
| 12060.00 | H | 40.67 | 30.12 | 13.01 | 53.68 | 43.13 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

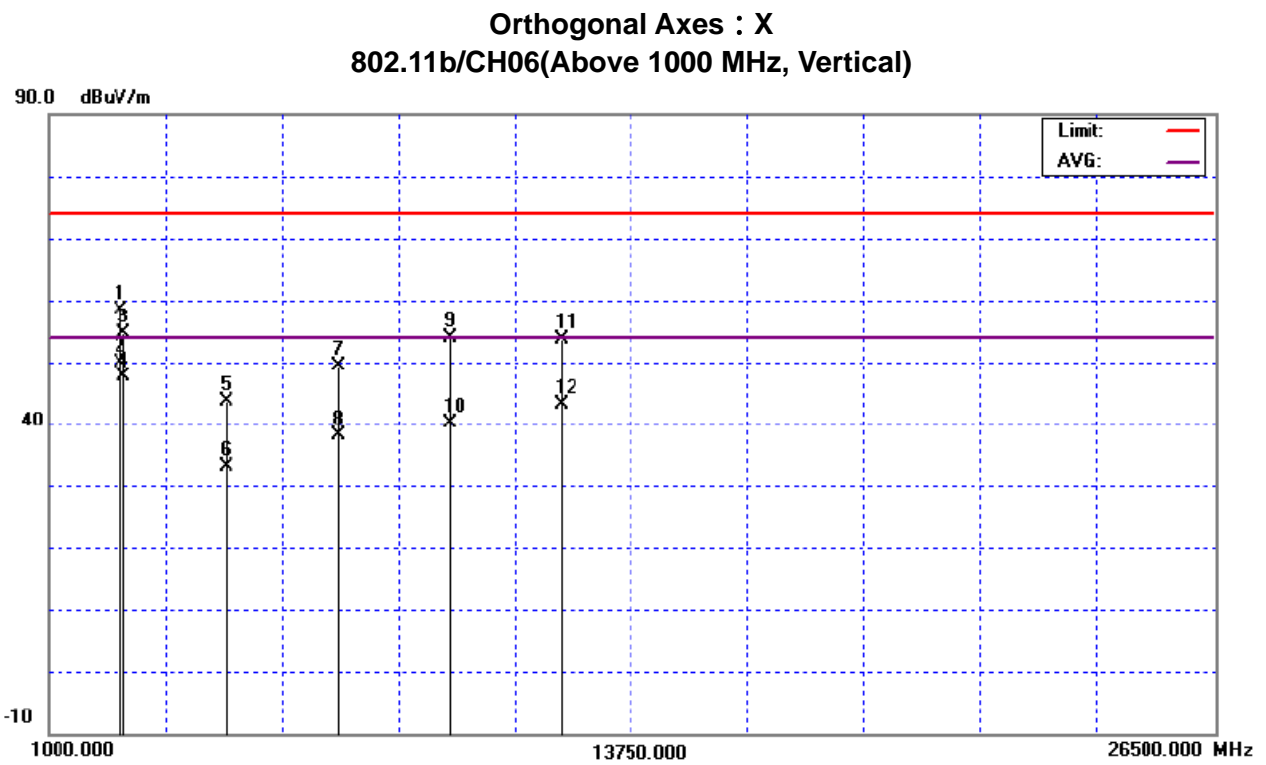


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH06 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2545.00 | V | 60.92 | 52.37 | -2.54 | 58.38 | 49.83 | 74.00 | 54.00 | X/H |
| 2585.00 | V | 56.96 | 50.02 | -2.38 | 54.58 | 47.64 | 74.00 | 54.00 | X/H |
| 4874.00 | V | 40.32 | 29.90 | 3.24 | 43.56 | 33.14 | 74.00 | 54.00 | X/H |
| 7311.00 | V | 41.60 | 30.25 | 7.80 | 49.40 | 38.05 | 74.00 | 54.00 | X/H |
| 9748.00 | V | 43.84 | 30.15 | 10.05 | 53.89 | 40.20 | 74.00 | 54.00 | X/H |
| 12185.00 | V | 40.73 | 30.11 | 13.00 | 53.73 | 43.11 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

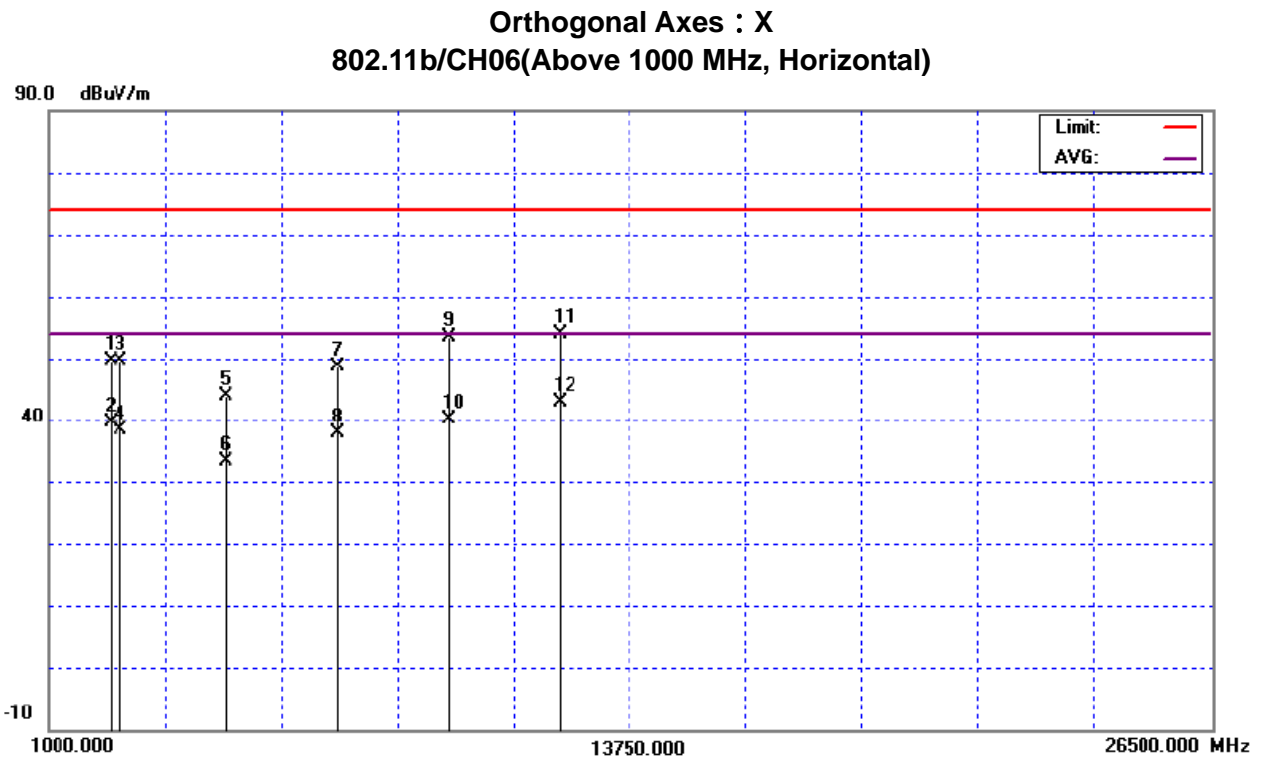


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH06 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2330.00 | H | 52.66 | 42.87 | -3.14 | 49.52 | 39.73 | 74.00 | 54.00 | X/H |
| 2545.00 | H | 52.13 | 40.97 | -2.54 | 49.59 | 38.43 | 74.00 | 54.00 | X/H |
| 4874.00 | H | 40.71 | 30.02 | 3.24 | 43.95 | 33.26 | 74.00 | 54.00 | X/H |
| 7311.00 | H | 40.74 | 30.11 | 7.80 | 48.54 | 37.91 | 74.00 | 54.00 | X/H |
| 9748.00 | H | 43.40 | 30.07 | 10.05 | 53.45 | 40.12 | 74.00 | 54.00 | X/H |
| 12185.00 | H | 40.80 | 29.88 | 13.00 | 53.80 | 42.88 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

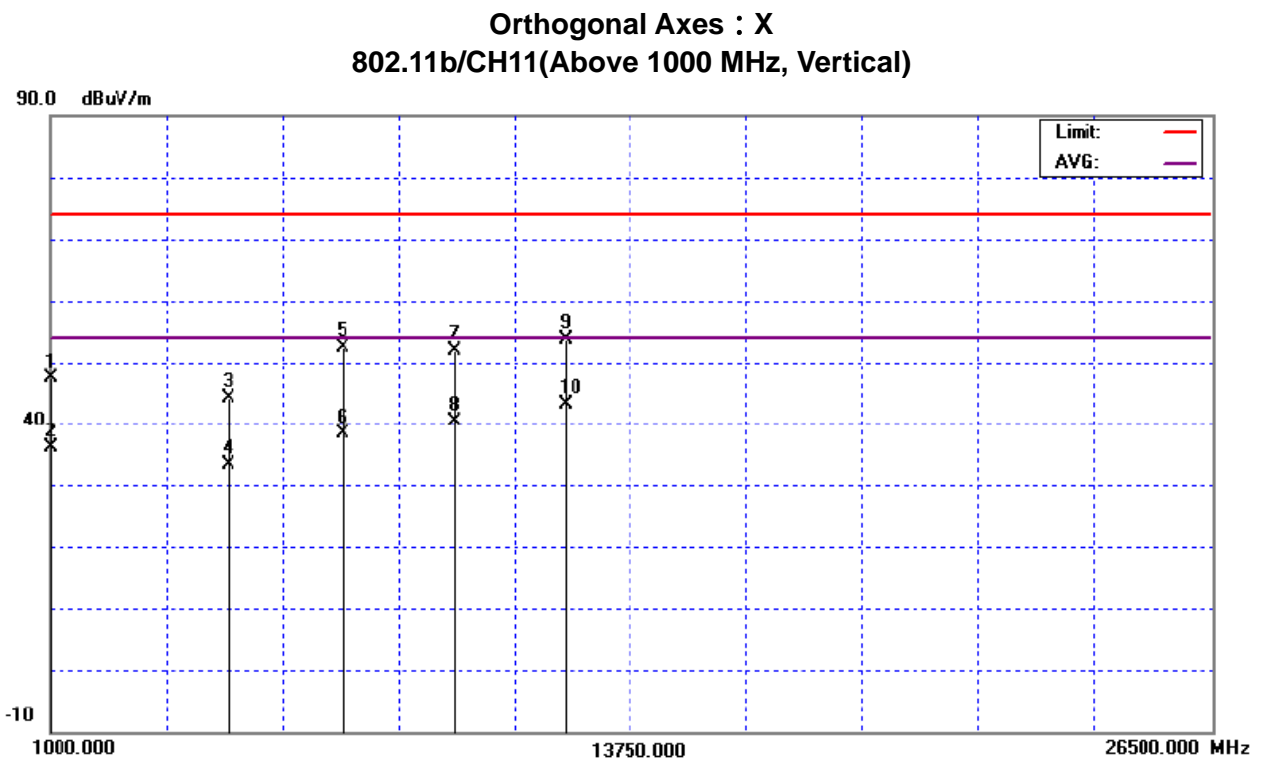


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH11 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 1025.00 | V | 56.41 | 45.18 | -8.93 | 47.48 | 36.25 | 74.00 | 54.00 | X/H |
| 4924.00 | V | 40.83 | 30.11 | 3.37 | 44.20 | 33.48 | 74.00 | 54.00 | X/H |
| 7386.00 | V | 44.26 | 30.16 | 8.13 | 52.39 | 38.29 | 74.00 | 54.00 | X/H |
| 9848.00 | V | 41.81 | 30.17 | 10.13 | 51.94 | 40.30 | 74.00 | 54.00 | X/H |
| 12310.00 | V | 40.75 | 30.13 | 12.99 | 53.74 | 43.12 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

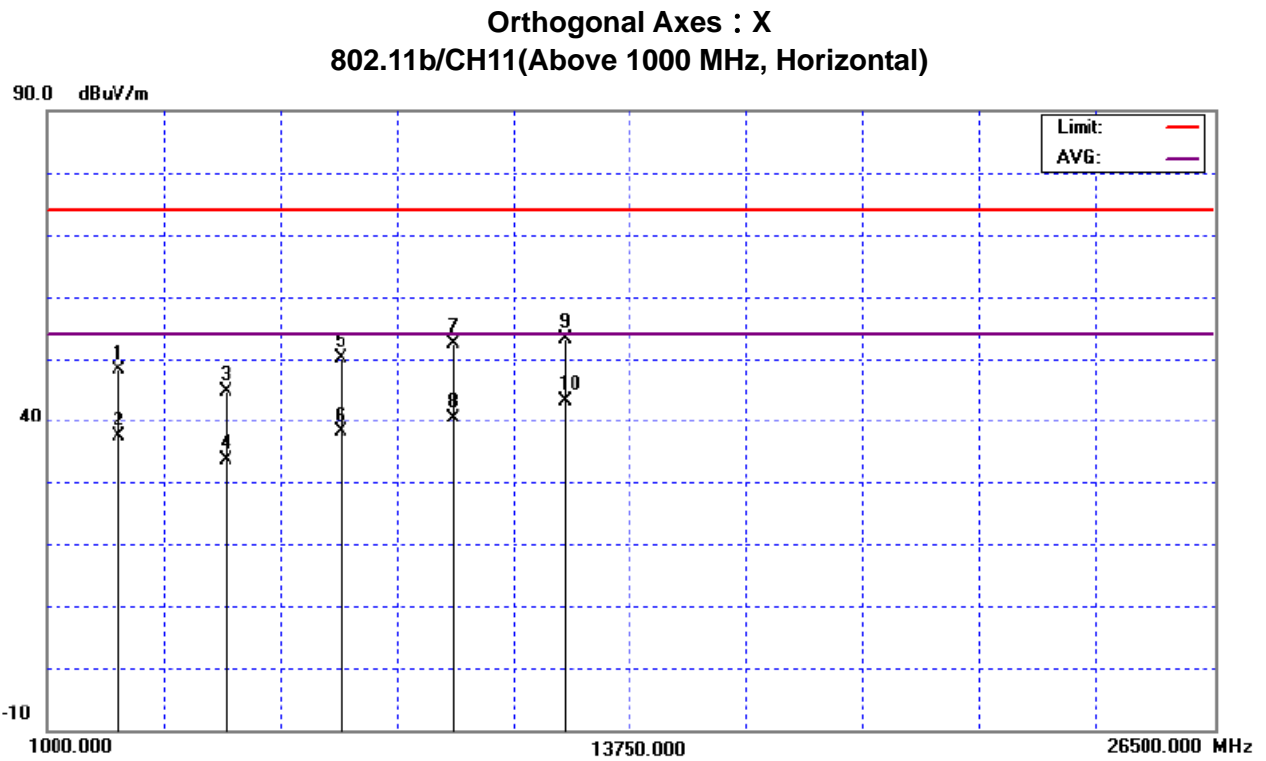


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b/CH11 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2570.00 | H | 50.59 | 39.91 | -2.44 | 48.15 | 37.47 | 74.00 | 54.00 | X/H |
| 4924.00 | H | 41.17 | 30.18 | 3.37 | 44.54 | 33.55 | 74.00 | 54.00 | X/H |
| 7386.00 | H | 42.10 | 30.09 | 8.13 | 50.23 | 38.22 | 74.00 | 54.00 | X/H |
| 9848.00 | H | 42.21 | 30.15 | 10.13 | 52.34 | 40.28 | 74.00 | 54.00 | X/H |
| 12310.00 | H | 40.09 | 30.08 | 12.99 | 53.08 | 43.07 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

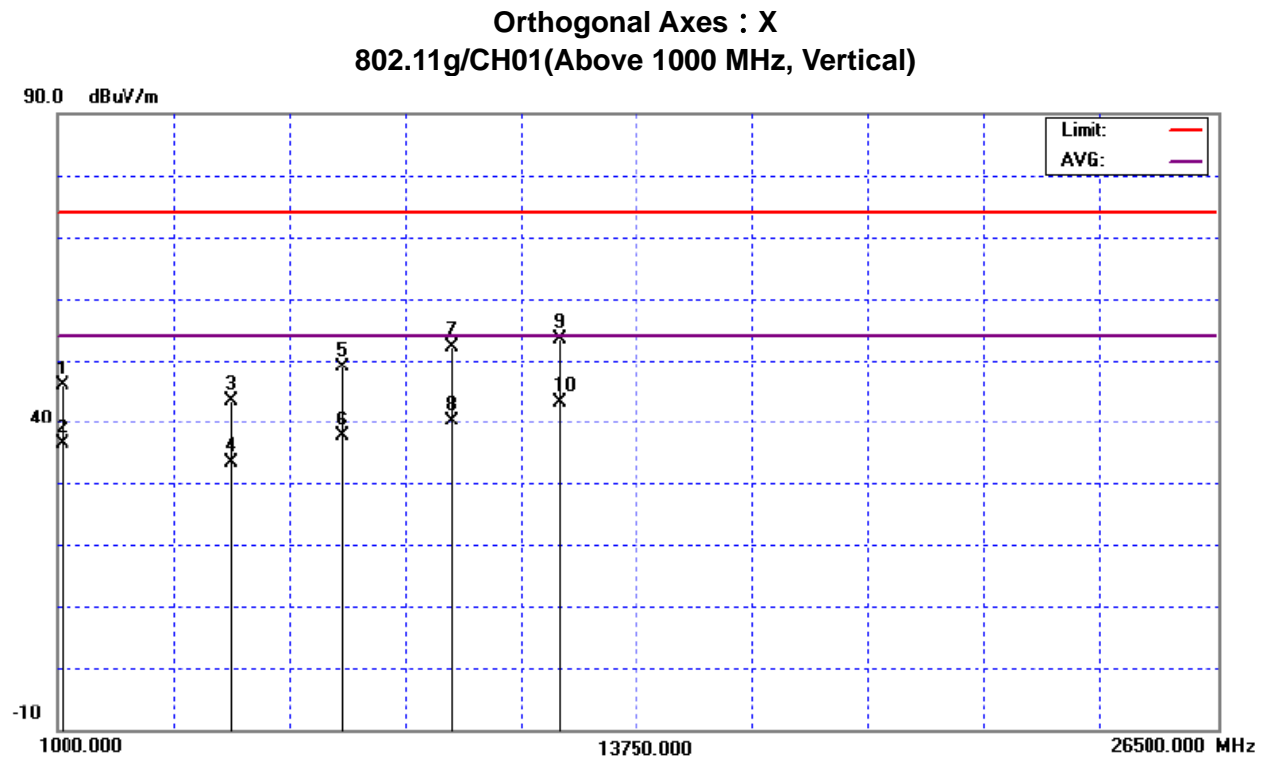


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH01 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 1080.00 | V | 54.55 | 45.03 | -8.68 | 45.87 | 36.35 | 74.00 | 54.00 | X/H |
| 4824.00 | V | 40.15 | 30.14 | 3.12 | 43.27 | 33.26 | 74.00 | 54.00 | X/H |
| 7236.00 | V | 41.34 | 30.11 | 7.47 | 48.81 | 37.58 | 74.00 | 54.00 | X/H |
| 9648.00 | V | 42.26 | 30.12 | 9.97 | 52.23 | 40.09 | 74.00 | 54.00 | X/H |
| 12060.00 | V | 40.25 | 30.05 | 13.01 | 53.26 | 43.06 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

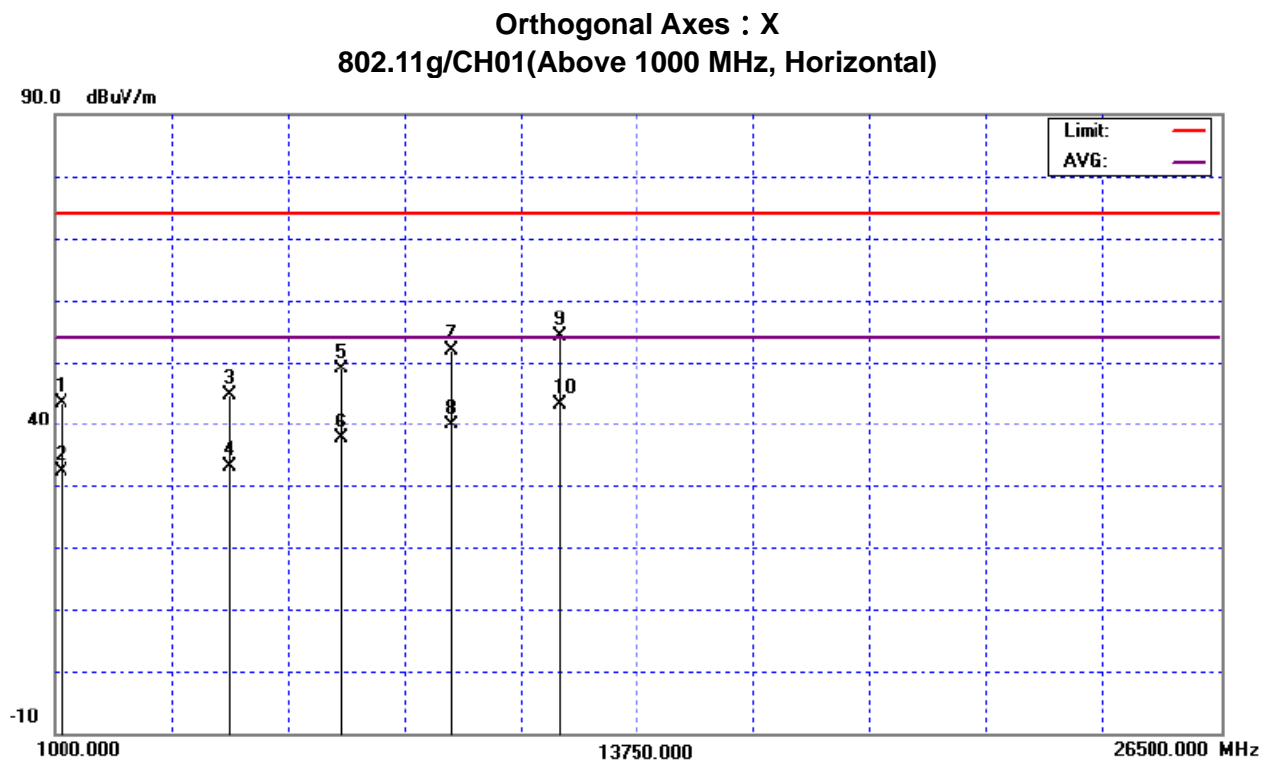


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH01 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 1120.00 | H | 51.76 | 40.97 | -8.49 | 43.27 | 32.48 | 74.00 | 54.00 | X/H |
| 4824.00 | H | 41.60 | 30.09 | 3.12 | 44.72 | 33.21 | 74.00 | 54.00 | X/H |
| 7236.00 | H | 41.42 | 30.07 | 7.47 | 48.89 | 37.54 | 74.00 | 54.00 | X/H |
| 9648.00 | H | 41.88 | 30.04 | 9.97 | 51.85 | 40.01 | 74.00 | 54.00 | X/H |
| 12060.00 | H | 41.01 | 30.18 | 13.01 | 54.02 | 43.19 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

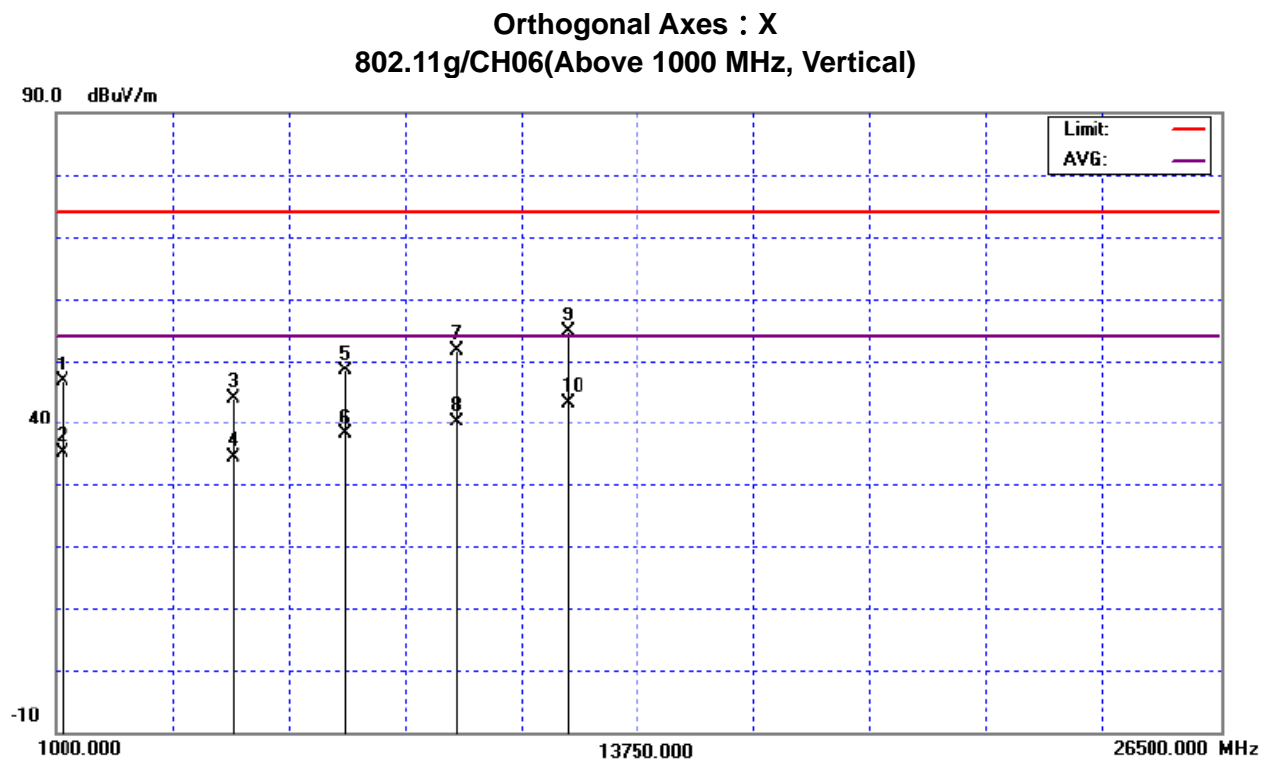


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH06 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 1130.00 | V | 55.10 | 43.59 | -8.45 | 46.65 | 35.14 | 74.00 | 54.00 | X/H |
| 4874.00 | V | 40.62 | 31.22 | 3.24 | 43.86 | 34.46 | 74.00 | 54.00 | X/H |
| 7311.00 | V | 40.67 | 30.26 | 7.80 | 48.47 | 38.06 | 74.00 | 54.00 | X/H |
| 9748.00 | V | 41.47 | 30.18 | 10.05 | 51.52 | 40.23 | 74.00 | 54.00 | X/H |
| 12185.00 | V | 41.63 | 30.25 | 13.00 | 54.63 | 43.25 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

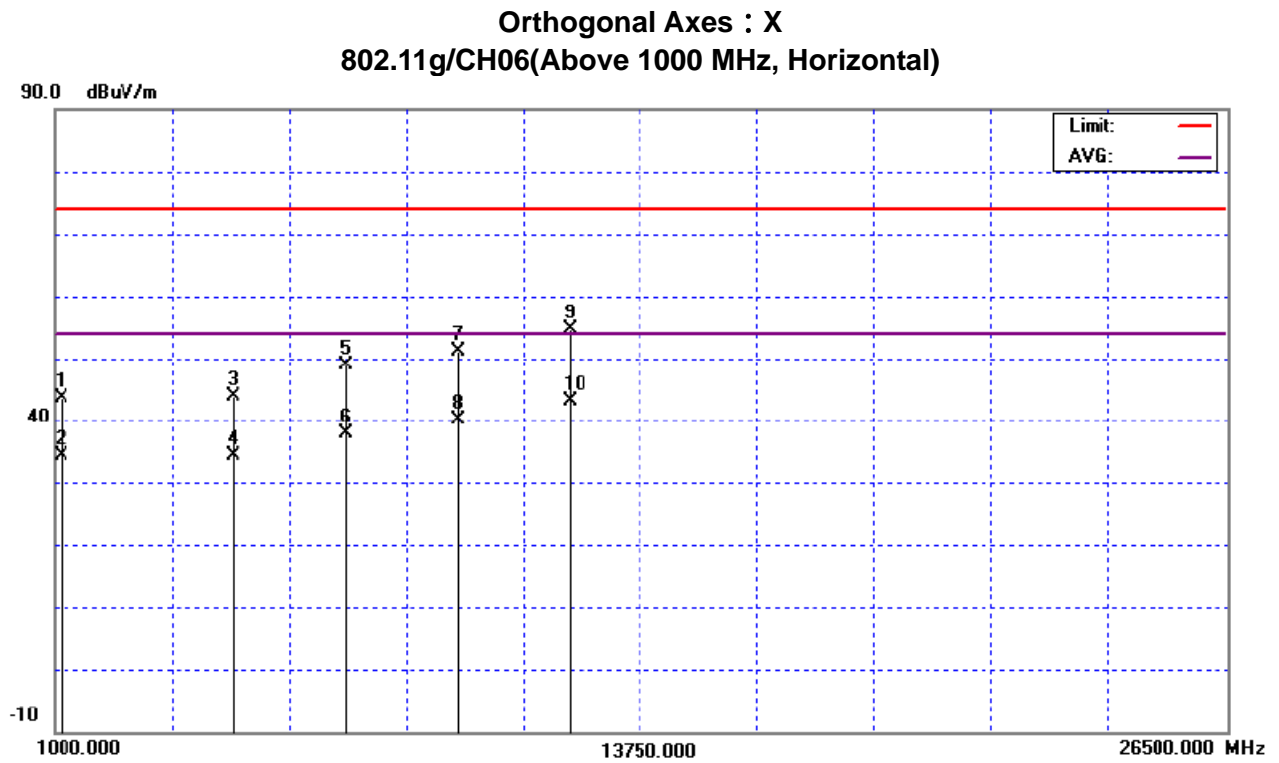


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH06 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 1130.00 | H | 52.05 | 42.82 | -8.33 | 43.72 | 34.49 | 74.00 | 54.00 | X/H |
| 4874.00 | H | 40.66 | 30.16 | -6.99 | 33.67 | 23.17 | 74.00 | 54.00 | X/H |
| 7311.00 | H | 41.00 | 30.12 | -5.73 | 35.27 | 24.39 | 74.00 | 54.00 | X/H |
| 9748.00 | H | 40.98 | 30.14 | 7.80 | 48.78 | 37.94 | 74.00 | 54.00 | X/H |
| 12181.00 | H | 30.17 | 41.51 | 10.05 | 40.22 | 51.56 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

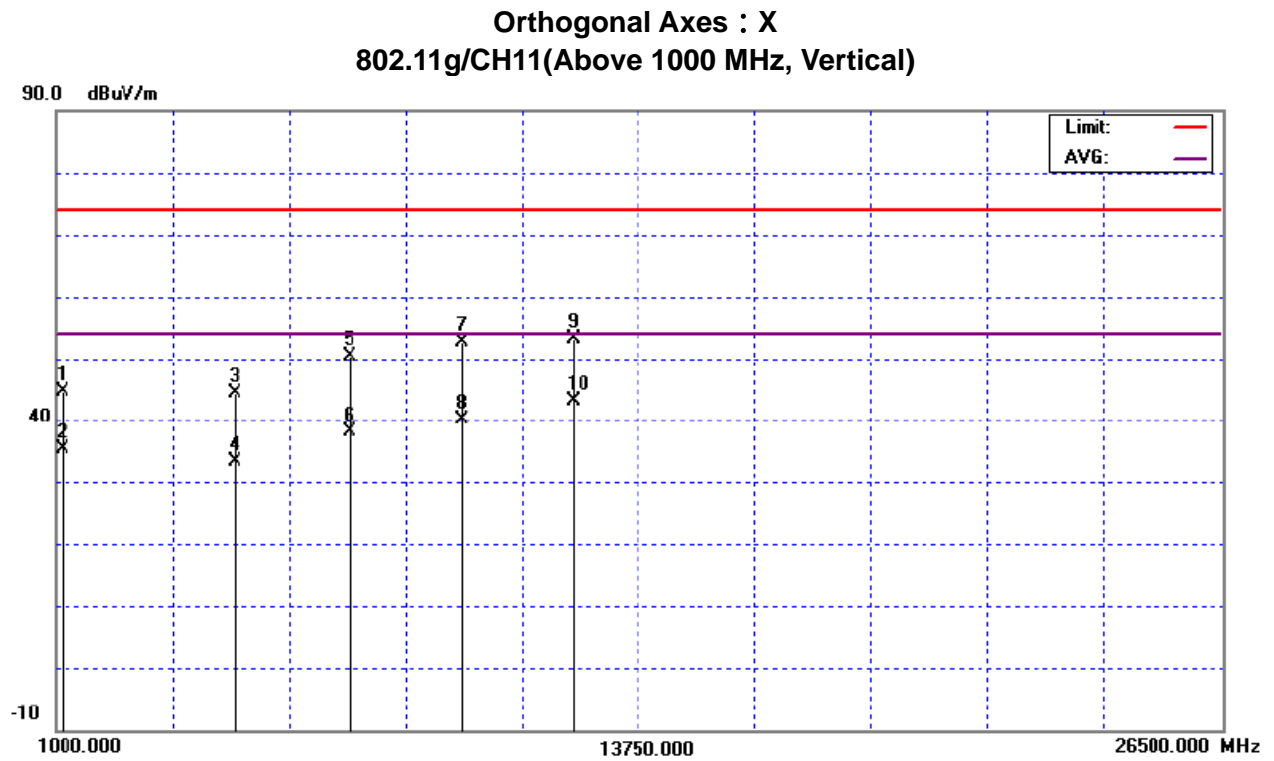


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH11 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 1130.00 | V | 52.95 | 43.82 | -8.45 | 44.50 | 35.37 | 74.00 | 54.00 | X/H |
| 4924.00 | V | 40.93 | 30.13 | 3.37 | 44.30 | 33.50 | 74.00 | 54.00 | X/H |
| 7386.00 | V | 42.31 | 30.11 | 8.13 | 50.44 | 38.24 | 74.00 | 54.00 | X/H |
| 9848.00 | V | 42.58 | 30.09 | 10.13 | 52.71 | 40.22 | 74.00 | 54.00 | X/H |
| 12310.00 | V | 40.13 | 30.18 | 12.99 | 53.12 | 43.17 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

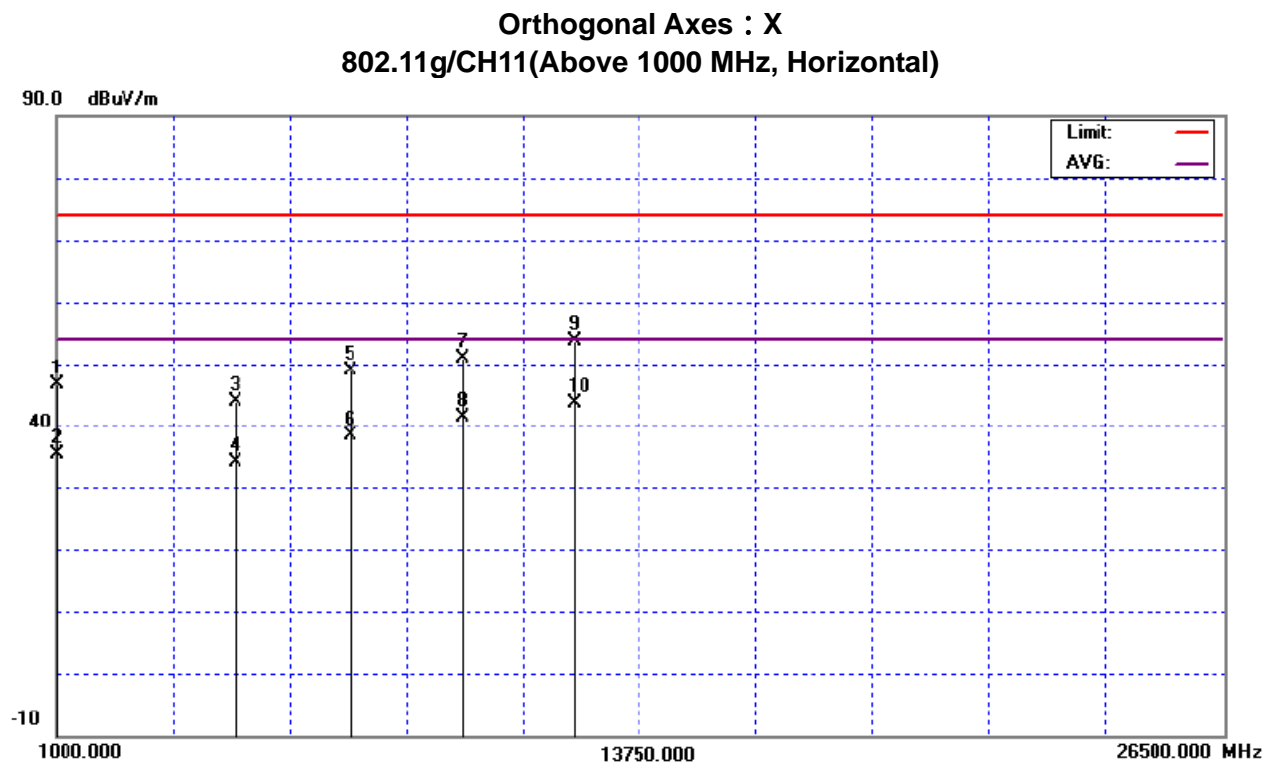


| | | | |
|---------------|-------------------------------------|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g/CH11 | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 1030.00 | H | 55.55 | 44.29 | -8.90 | 46.65 | 35.39 | 74.00 | 54.00 | X/H |
| 4924.00 | H | 40.55 | 30.77 | 3.37 | 43.92 | 34.14 | 74.00 | 54.00 | X/H |
| 7386.00 | H | 40.77 | 30.26 | 8.13 | 48.90 | 38.39 | 74.00 | 54.00 | X/H |
| 9848.00 | H | 40.86 | 31.22 | 10.13 | 50.99 | 41.35 | 74.00 | 54.00 | X/H |
| 12310.00 | H | 40.65 | 30.65 | 12.99 | 53.64 | 43.64 | 74.00 | 54.00 | X/H |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



4.2.9 TEST RESULTS (Restricted Bands Requirements)

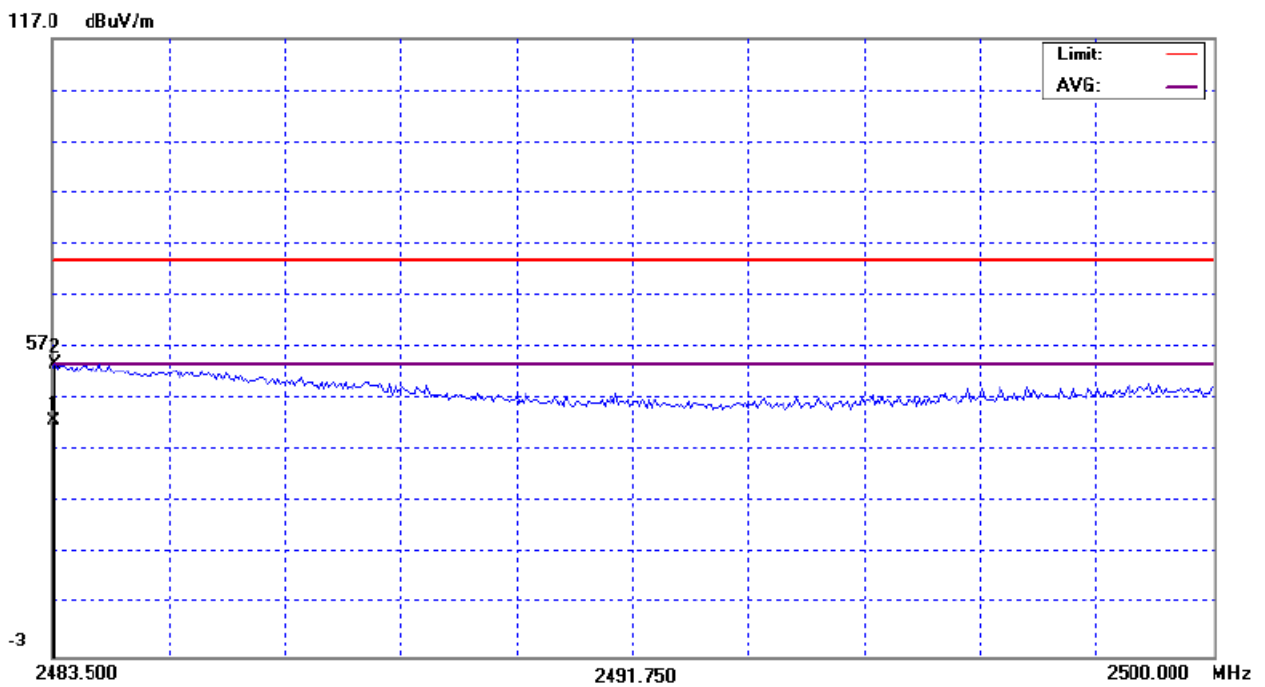
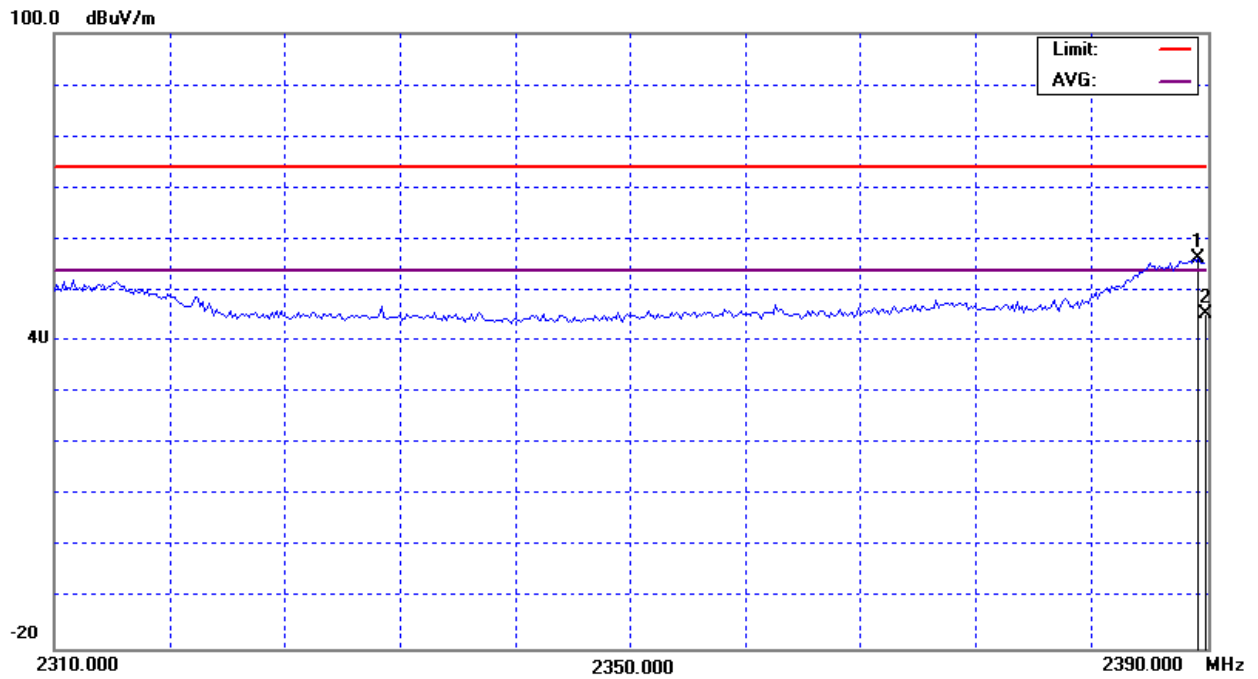
| | | | |
|---------------|---|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b(Vertical) | | |
| Note : | <p>The emission of the carrier radiated field strength is measured for 802.11b (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2389.50 | V | 59.38 | 48.59 | -2.99 | 56.39 | 45.60 | 74.00 | 54.00 | X |
| 2483.53 | V | 45.61 | 56.47 | -2.75 | 42.86 | 53.72 | 74.00 | 54.00 | X |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (3) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

802.11b (Restricted Bands Requirements, Vertical)



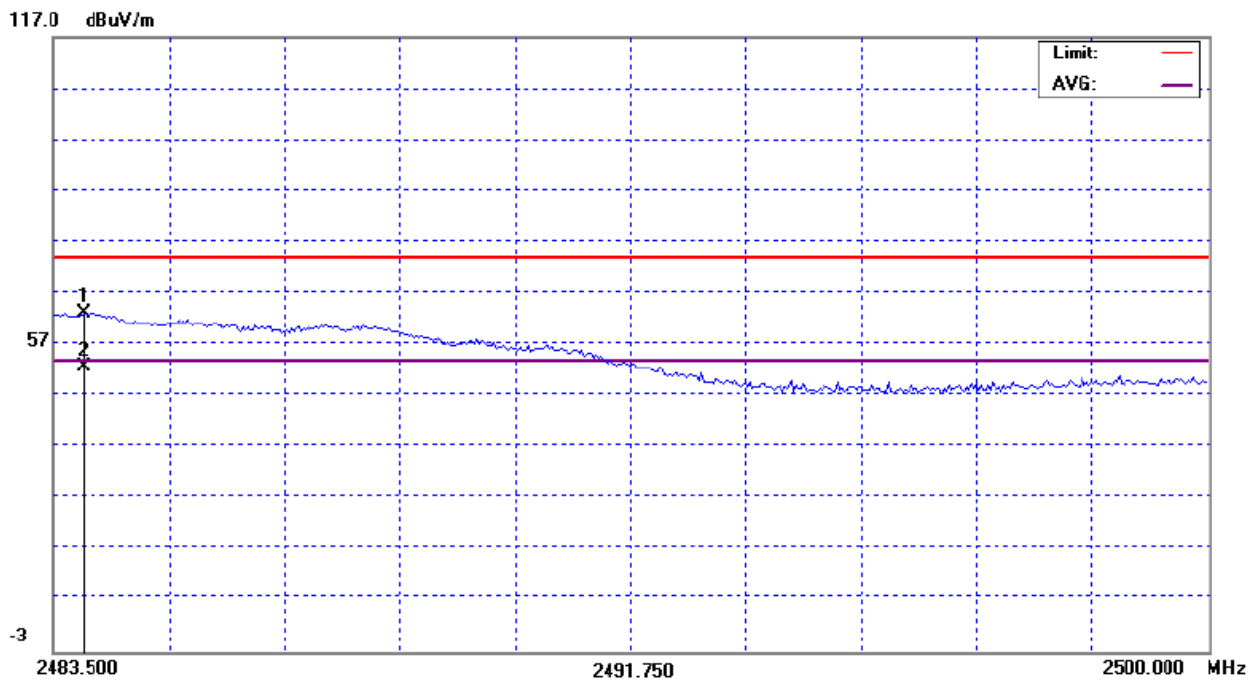
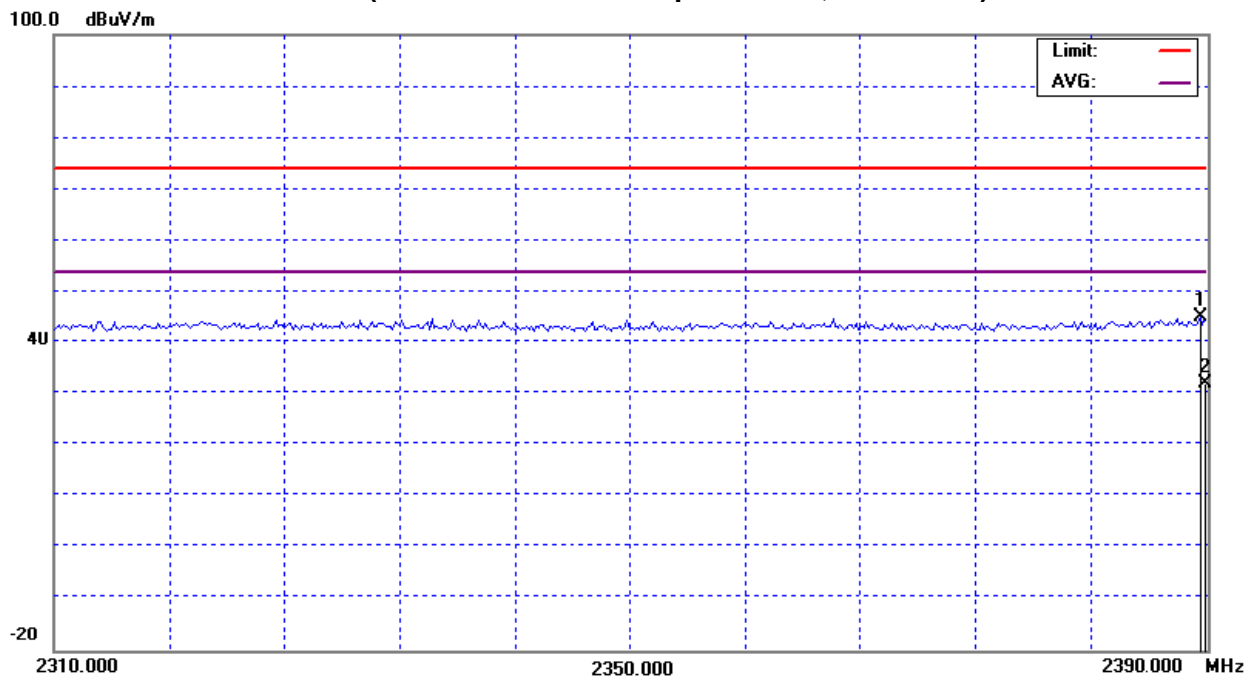
| | | | |
|---------------|---|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11b(Horizontal) | | |
| Note : | <p>The emission of the carrier radiated field strength is measured for 802.11b (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2389.68 | H | 48.11 | 35.06 | -2.99 | 45.12 | 32.07 | 74.00 | 54.00 | X |
| 2483.93 | H | 65.96 | 55.44 | -2.75 | 63.21 | 52.69 | 74.00 | 54.00 | X |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission °
- (3) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

802.11b (Restricted Bands Requirements, Horizontal)



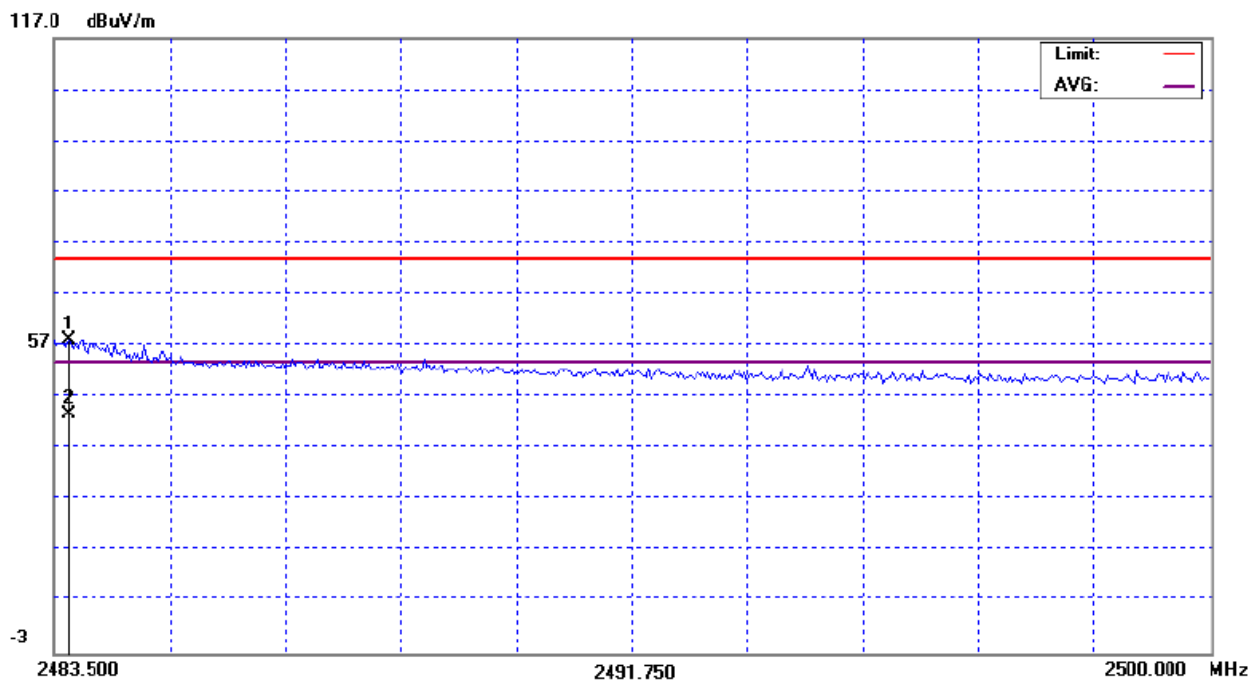
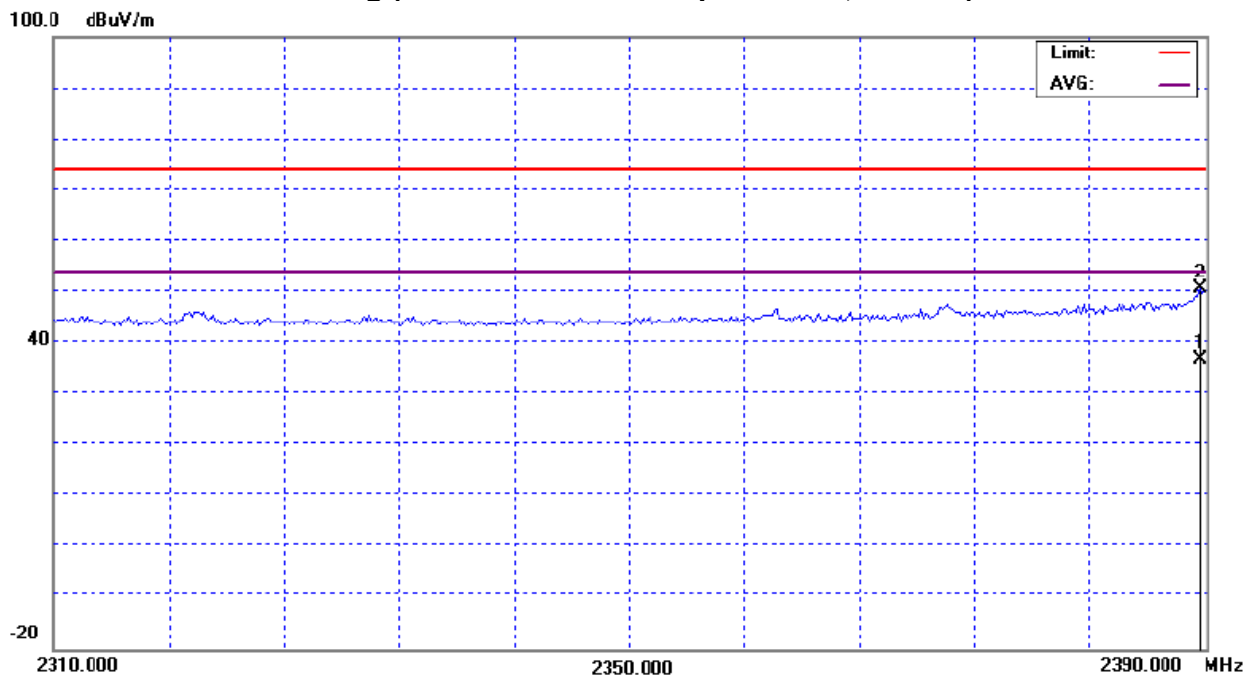
| | | | |
|---------------|---|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g(Vertical) | | |
| Note : | <p>The emission of the carrier radiated field strength is measured for 802.11g (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2389.60 | V | 39.80 | 53.76 | -2.99 | 36.81 | 50.77 | 74.00 | 54.00 | X |
| 2483.70 | V | 60.93 | 46.27 | -2.75 | 58.18 | 43.52 | 74.00 | 54.00 | X |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission °
- (3) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

802.11g (Restricted Bands Requirements, Vertical)



| | | | |
|---------------|---|---------------------|--------------|
| EUT : | 802.11g Super Wireless Access Point | Model No. : | SPA30G |
| Temperature : | 25 °C | Relative Humidity : | 60 % |
| Pressure : | 1009 hPa | Test Power : | AC 120V/60Hz |
| Test Mode : | 802.11g(Horizontal) | | |
| Note : | <p>The emission of the carrier radiated field strength is measured for 802.11g (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. | | |

| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2389.60 | H | 38.90 | 46.16 | -2.99 | 35.91 | 43.17 | 74.00 | 54.00 | X |
| 2483.50 | H | 46.13 | 34.29 | -2.75 | 43.38 | 31.54 | 74.00 | 54.00 | X |

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (3) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand

802.11g (Restricted Bands Requirements, Horizontal)

