

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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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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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	<p>The EUT is a 802.11g Super Wireless Access Point.</p> <table border="1"> <tr> <td>Operation Frequency:</td> <td>2412~2462 MHz</td> </tr> <tr> <td>Product Class:</td> <td>Class 1</td> </tr> <tr> <td>Receiver Class:</td> <td>Class 3</td> </tr> <tr> <td>Modulation Type:</td> <td>DSSS</td> </tr> <tr> <td>Bit Rate of Transmitter</td> <td>802.11b:11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps</td> </tr> <tr> <td>Number Of Channel</td> <td>11 CH</td> </tr> <tr> <td>Antenna Designation:</td> <td>Dipole Reverse SMA Antenna</td> </tr> <tr> <td>Antenna Gain(Peak)</td> <td>2 dBi</td> </tr> <tr> <td>Output Power:</td> <td>23.2 dBm (Max.)</td> </tr> </table> <p>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.</p>		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.)
Operation Frequency:	2412~2462 MHz																			
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Number Of Channel	11 CH																			
Antenna Designation:	Dipole Reverse SMA Antenna																			
Antenna Gain(Peak)	2 dBi																			
Output Power:	23.2 dBm (Max.)																			
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				

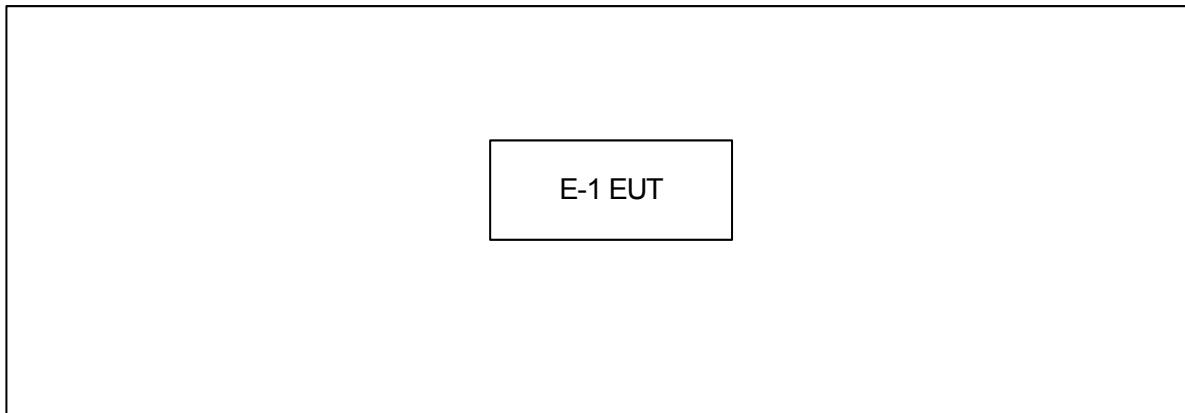
3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible 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.

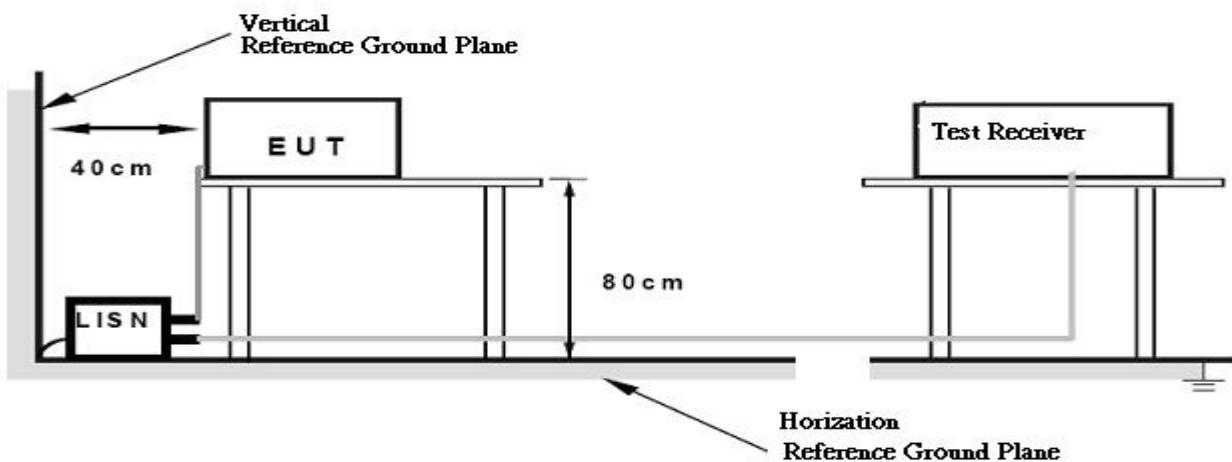
4.1.3 TEST PROCEDURE

- 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.

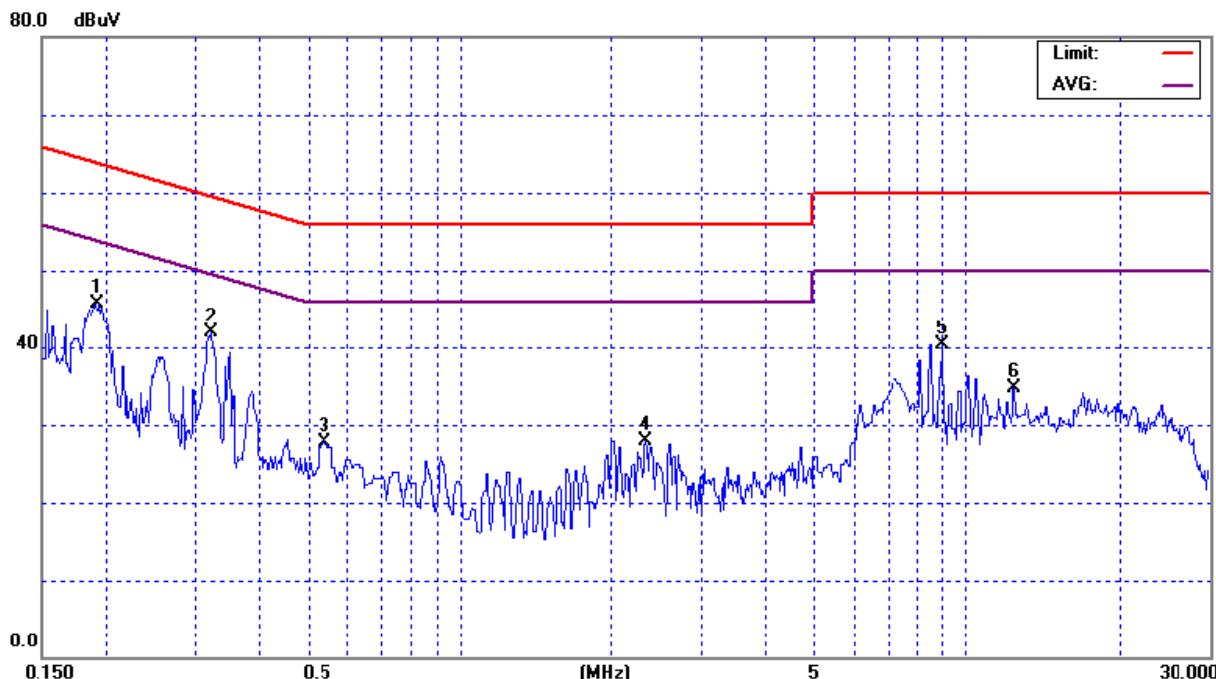
4.1.7 TEST RESULTS

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.

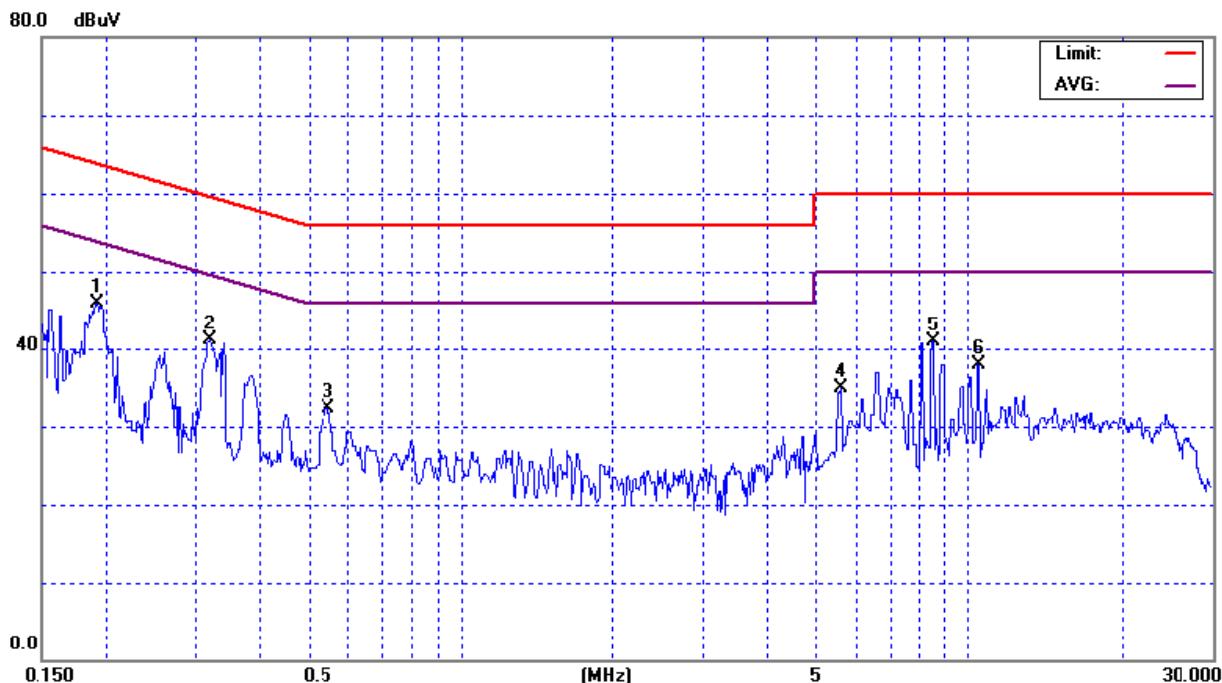


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	26 °C	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH01		

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.

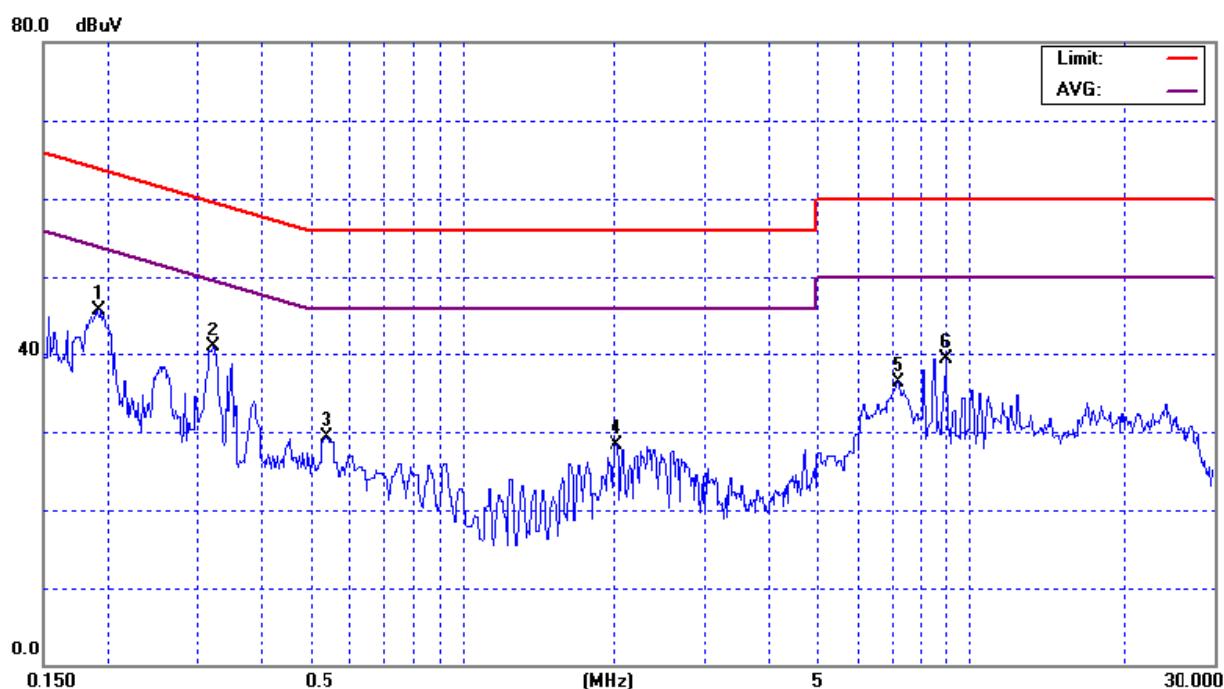


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	26 °C	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH01		

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 .

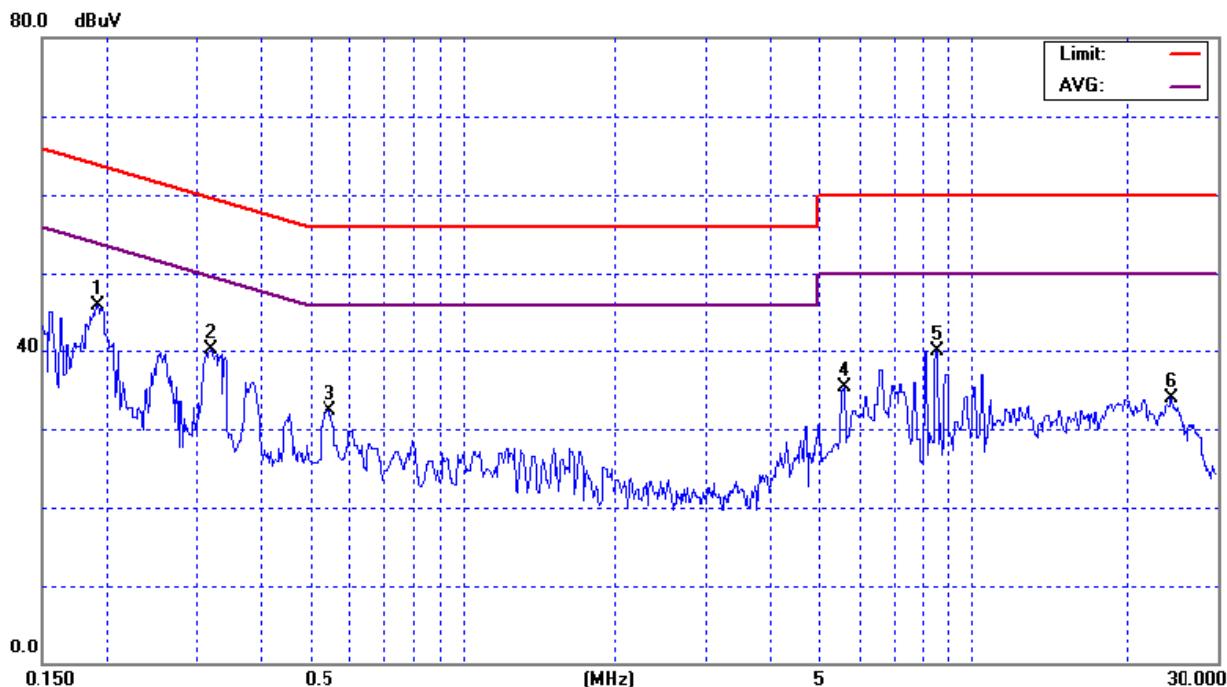


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	26 °C	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH01		

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 my 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

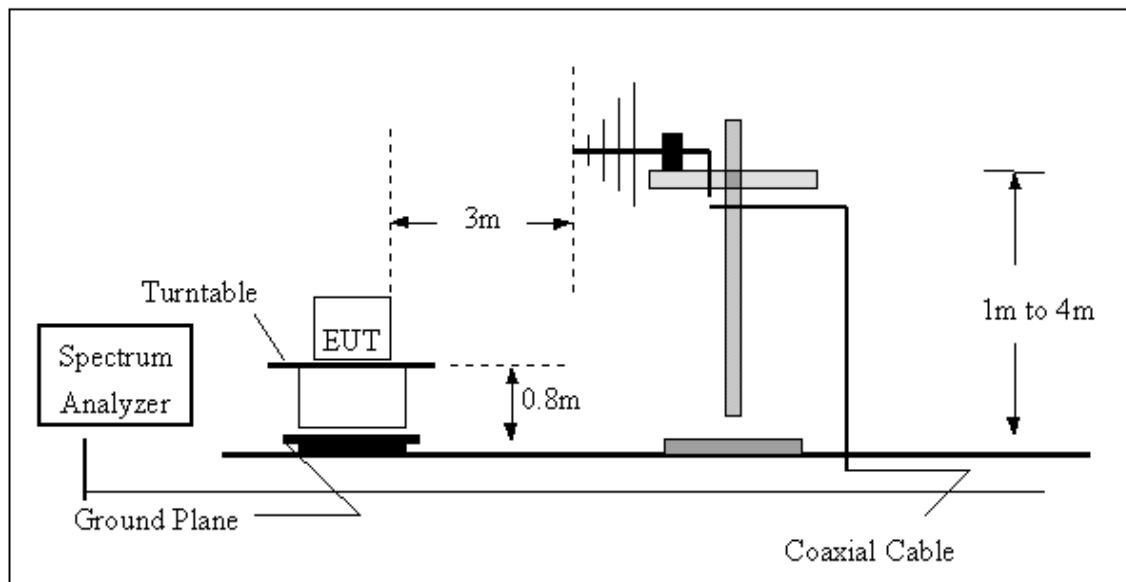
- The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 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

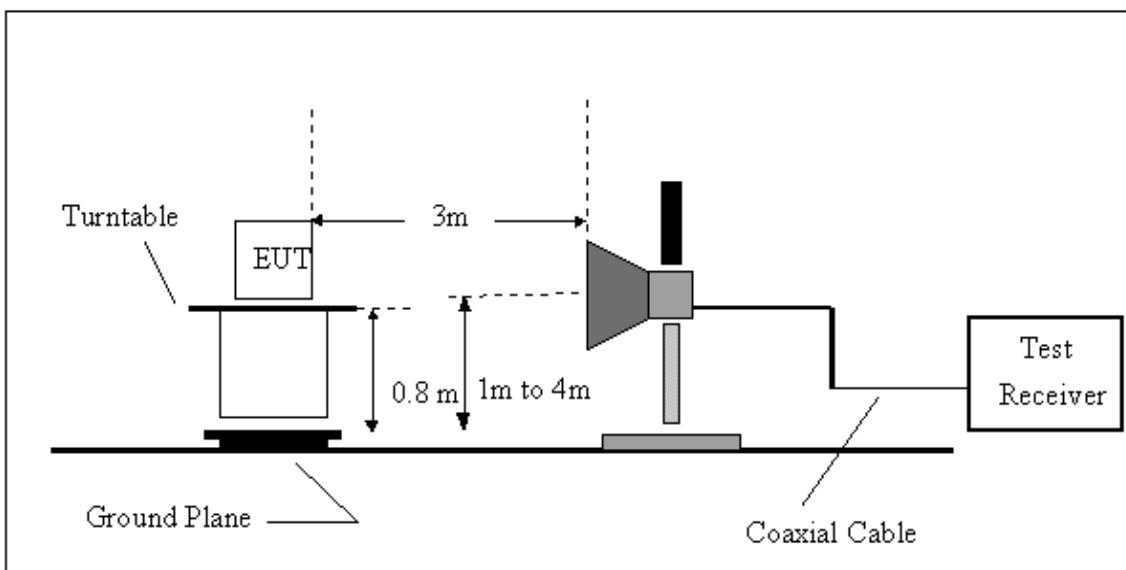
No deviation

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.

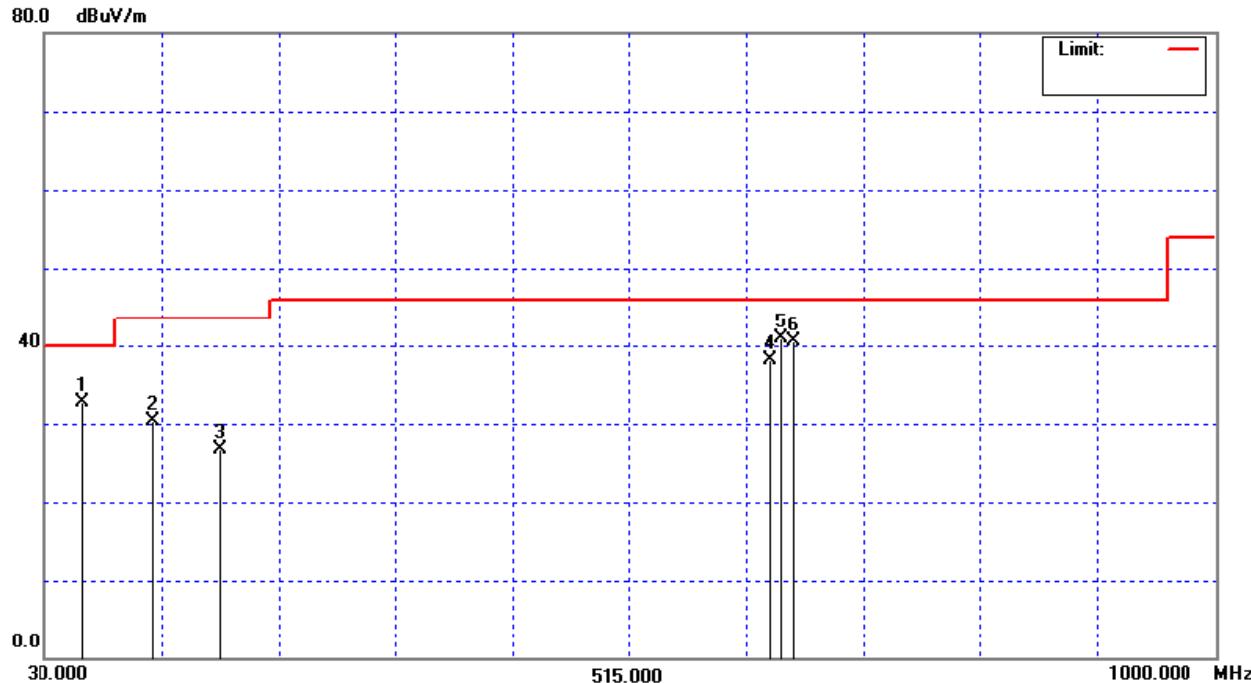
4.2.7 TEST RESULTS (Between 30 – 1000 MHz)

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.

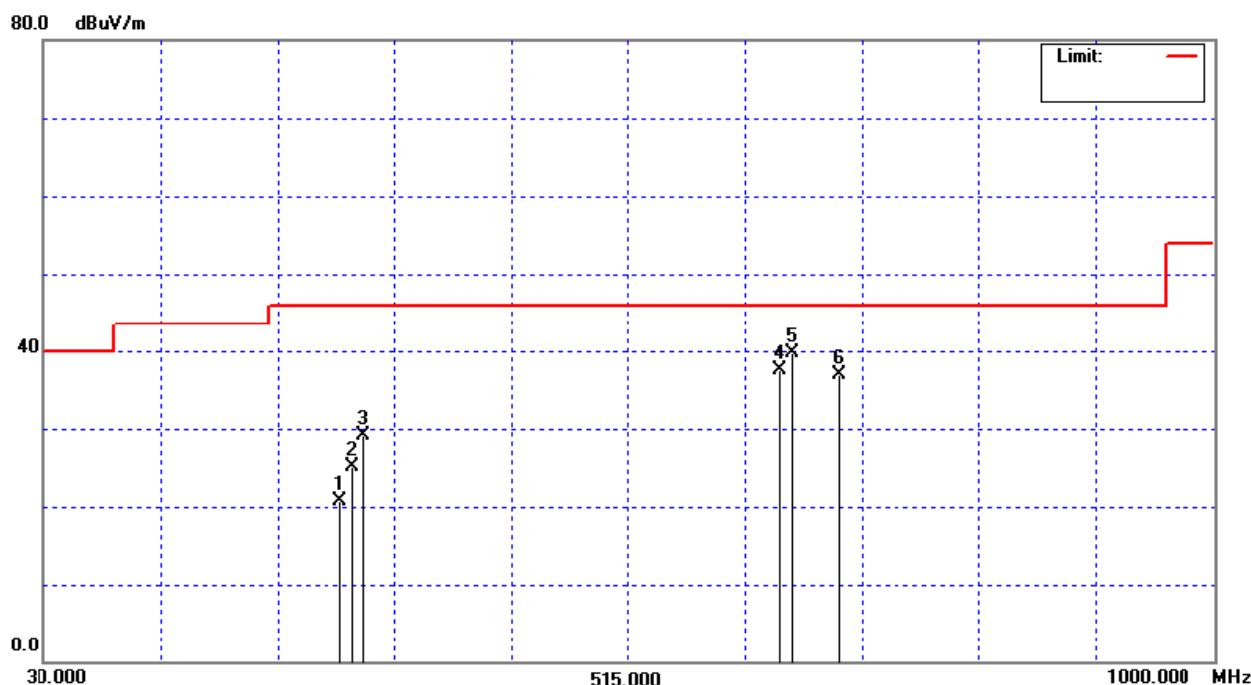


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH01		

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.

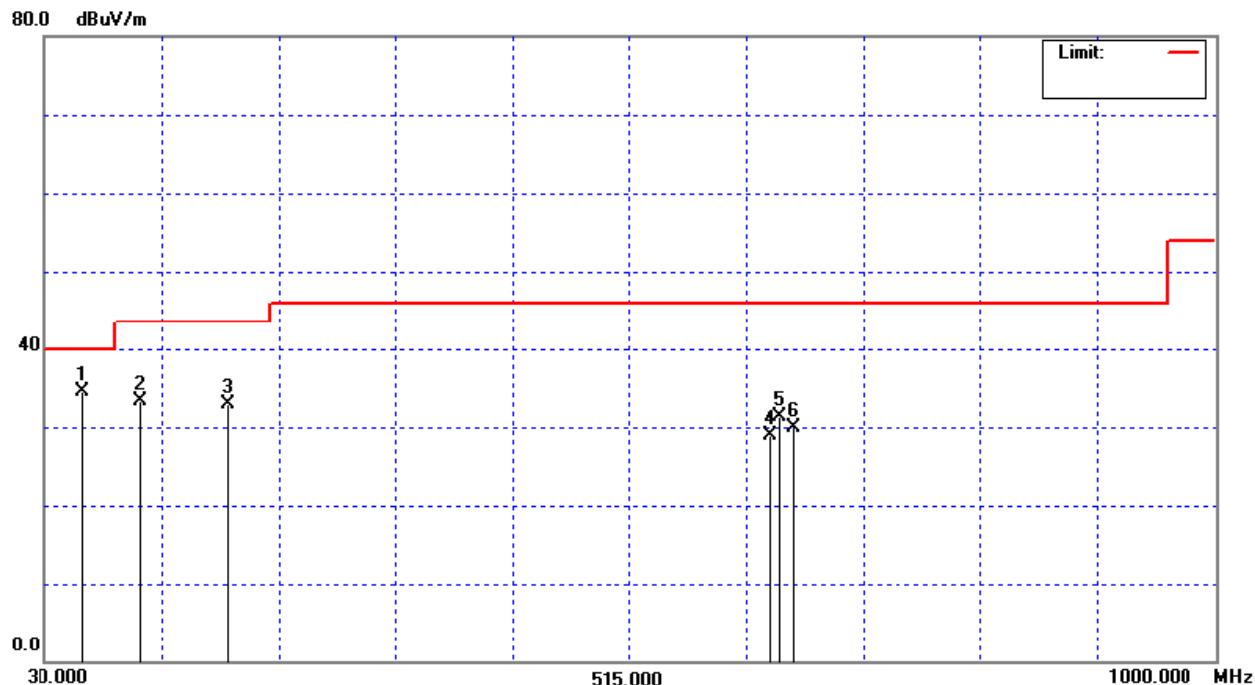


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH06		

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.

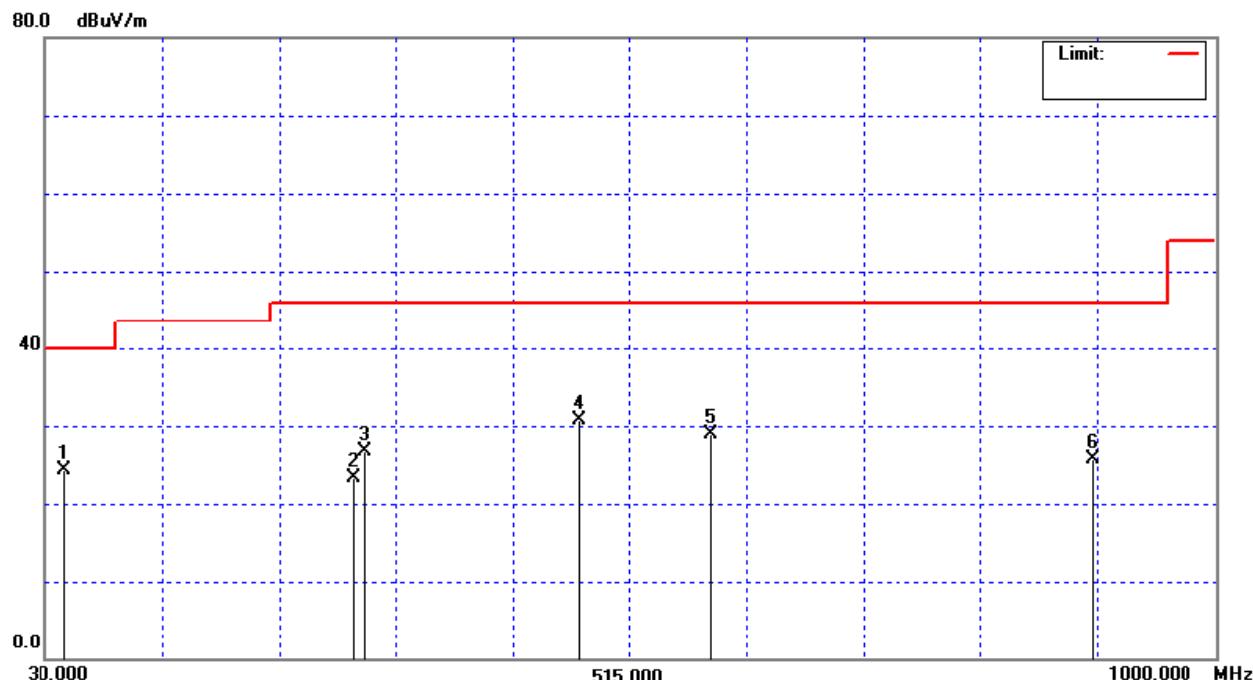


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH06		

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.

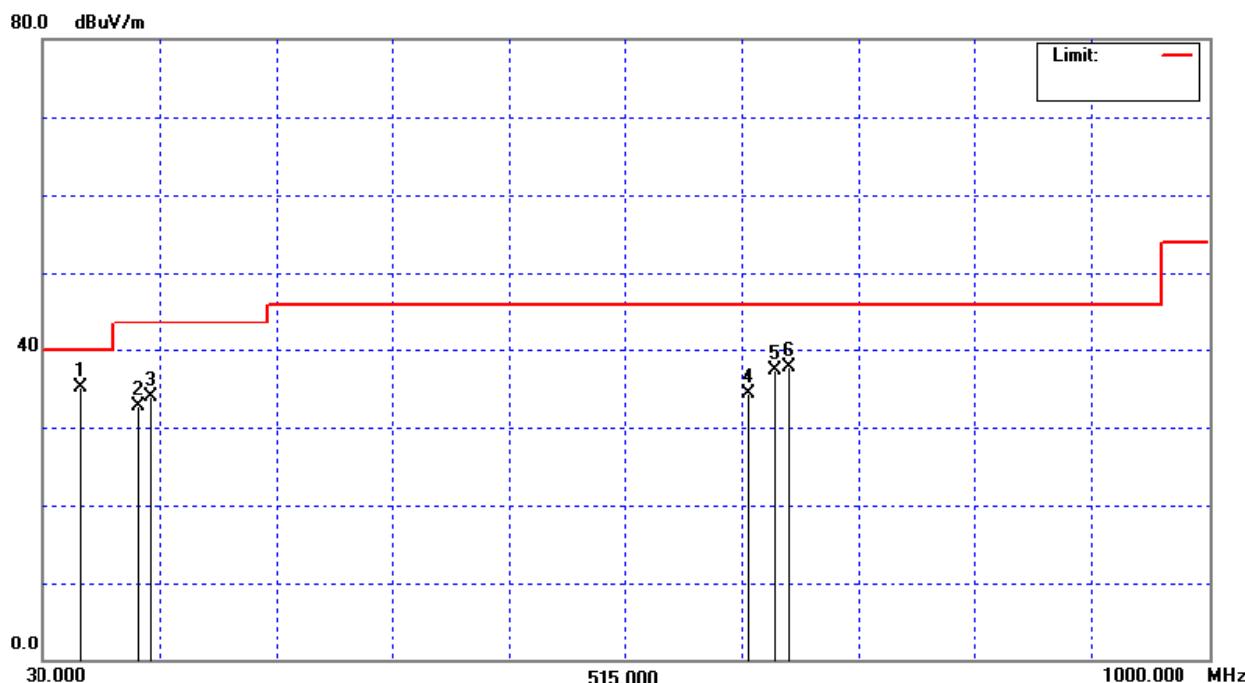


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH11		

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.

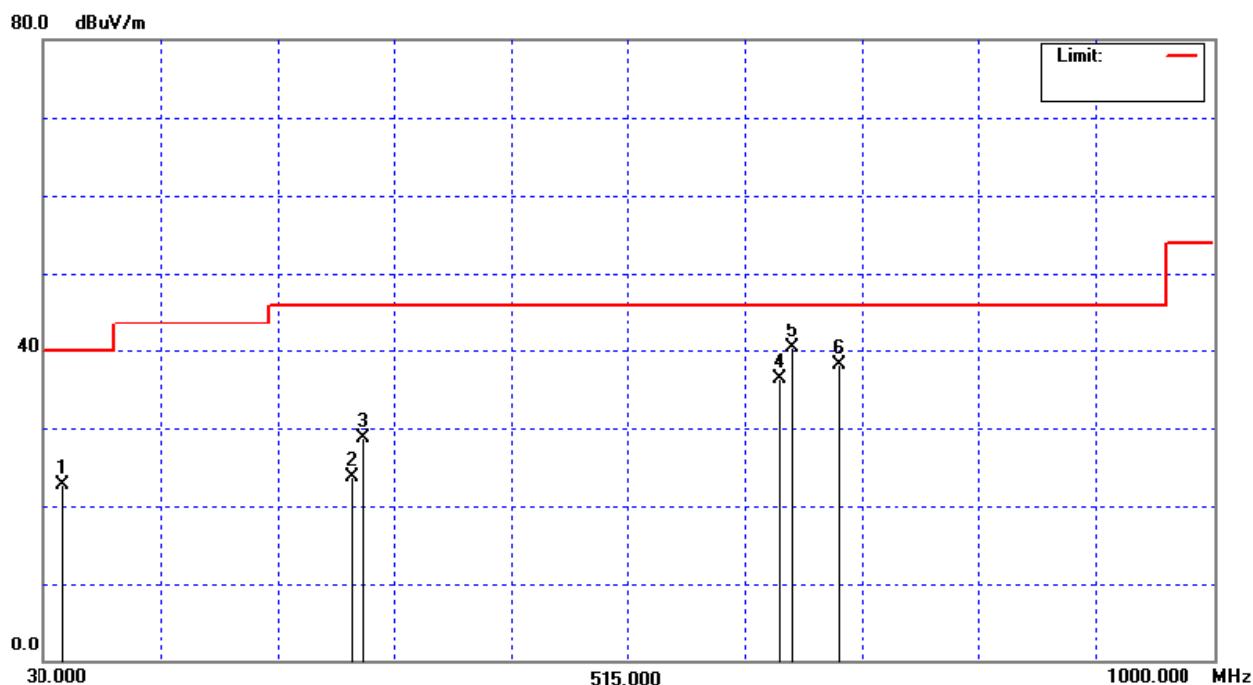


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH11		

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.

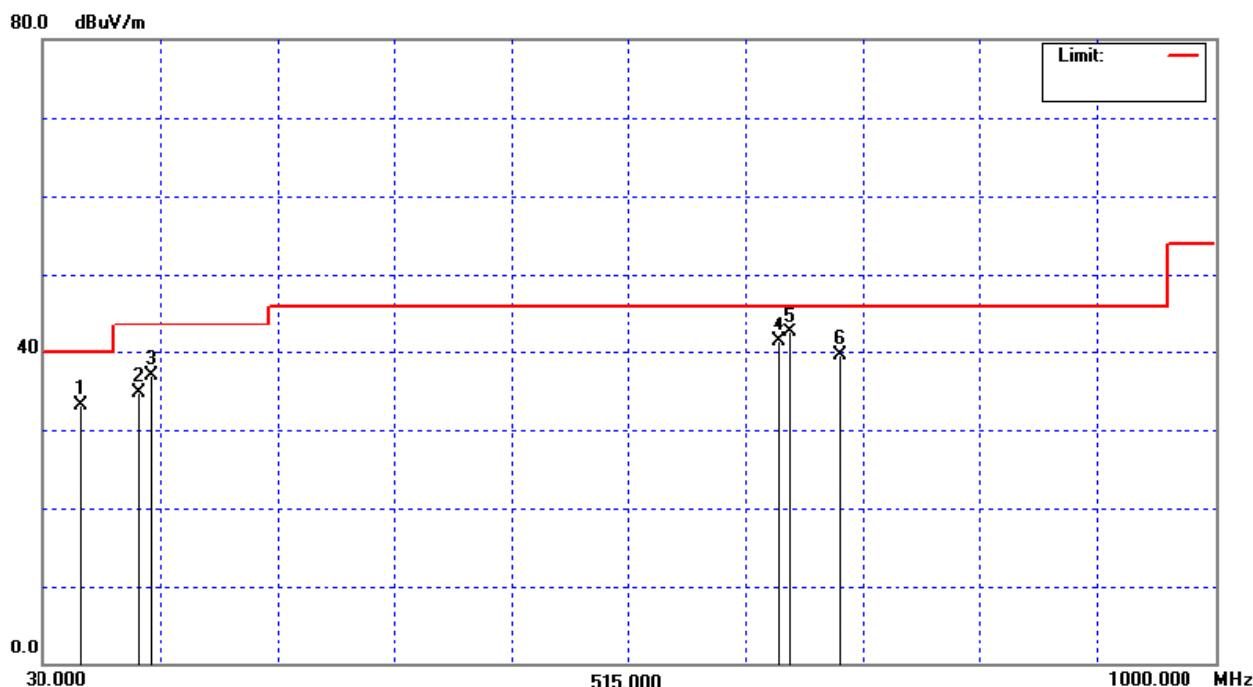


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH01		

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.

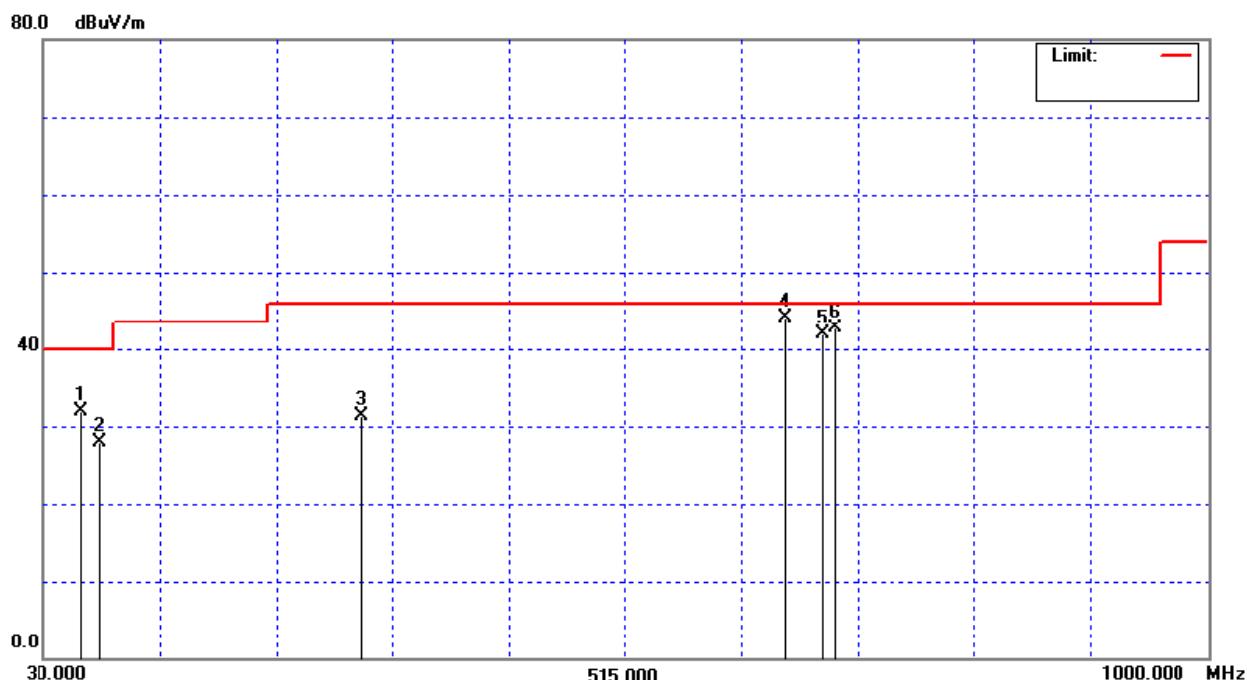


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH01		

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.

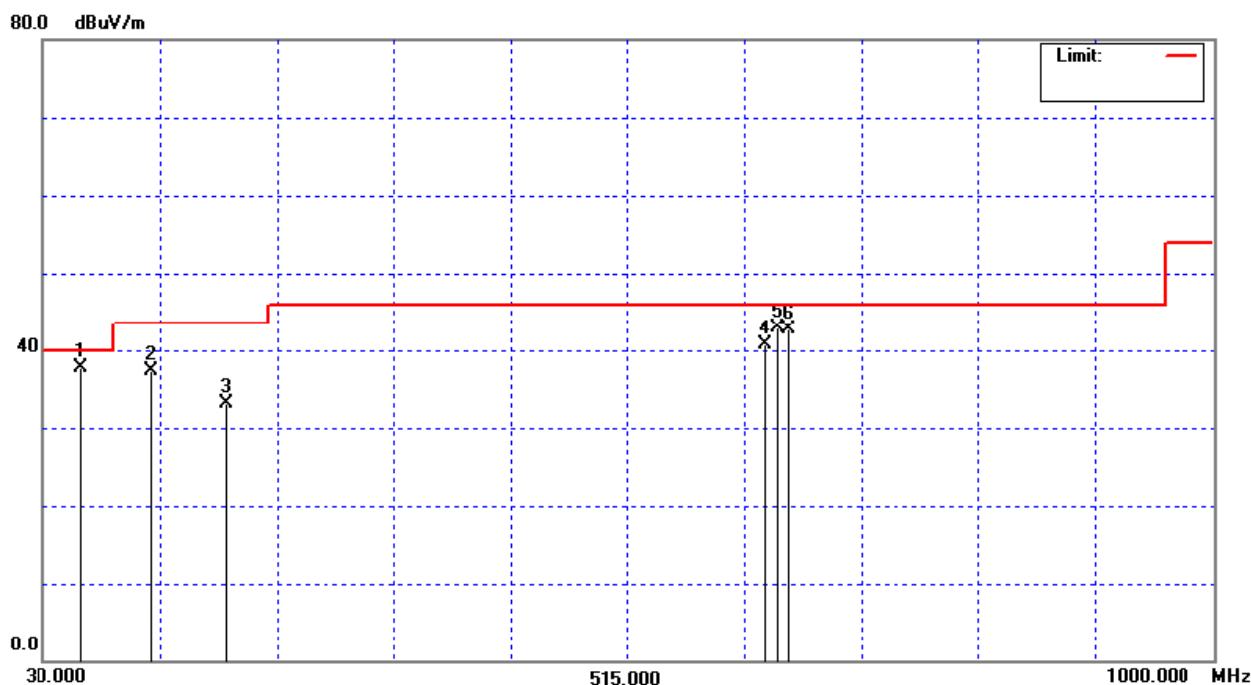


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH06		

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.

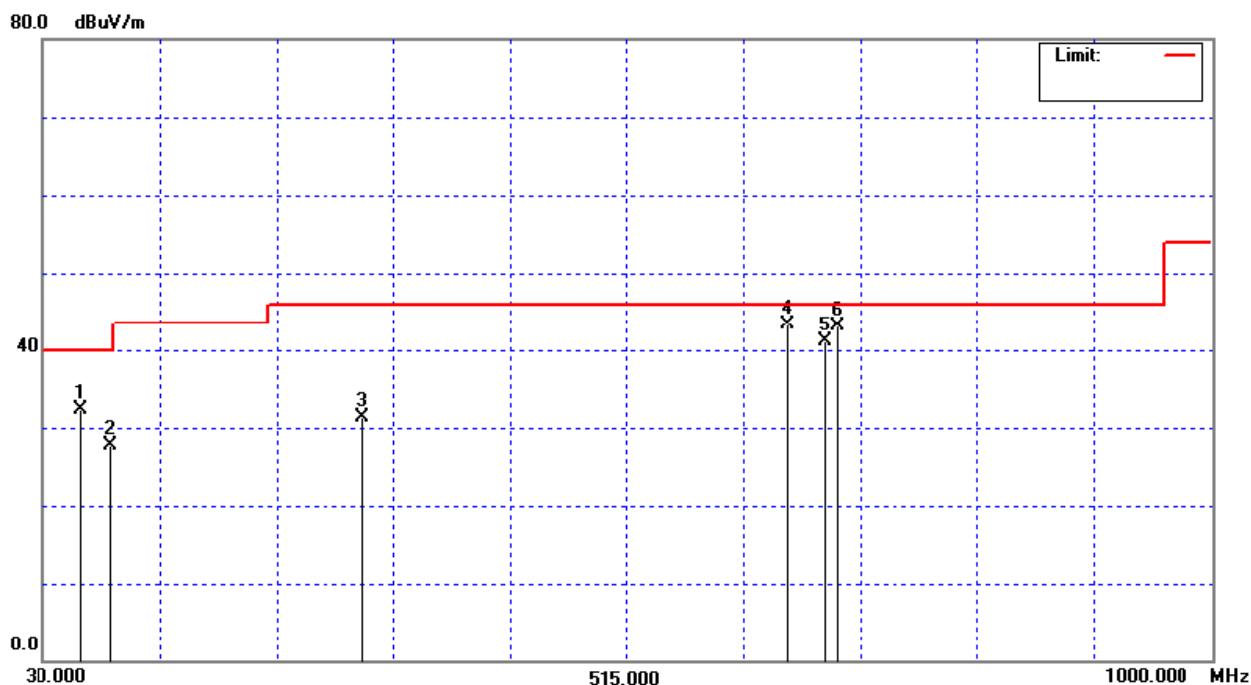


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH06		

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.

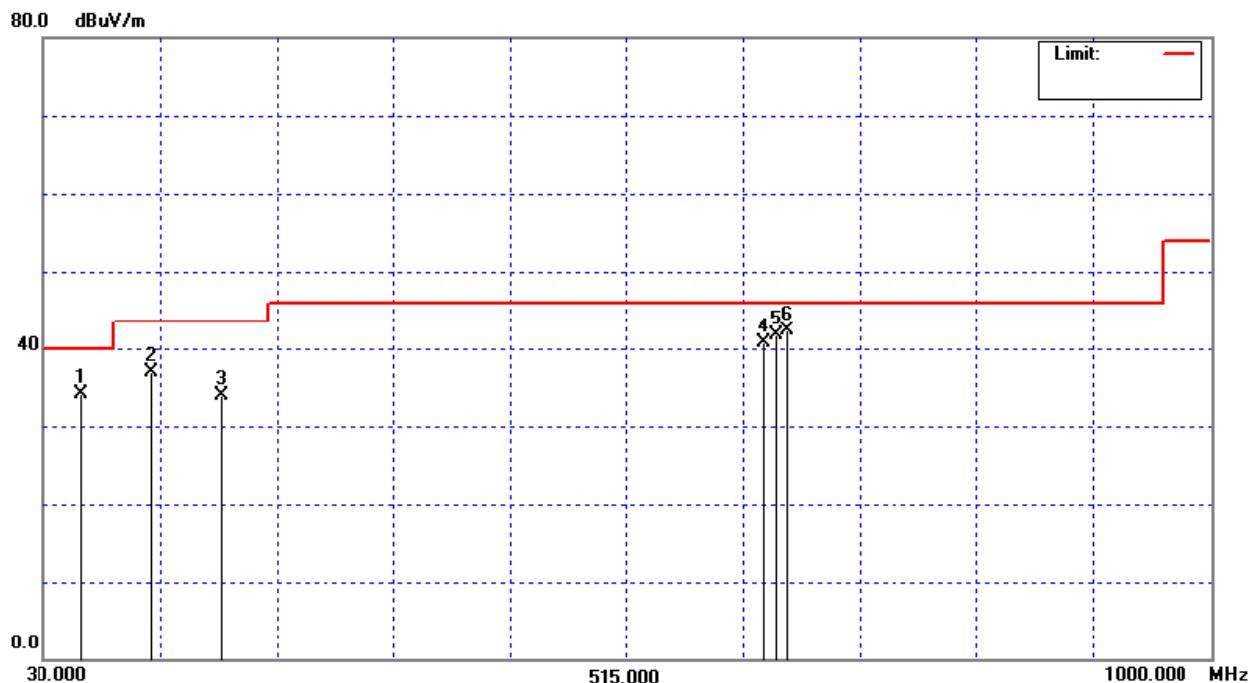


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH11		

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.

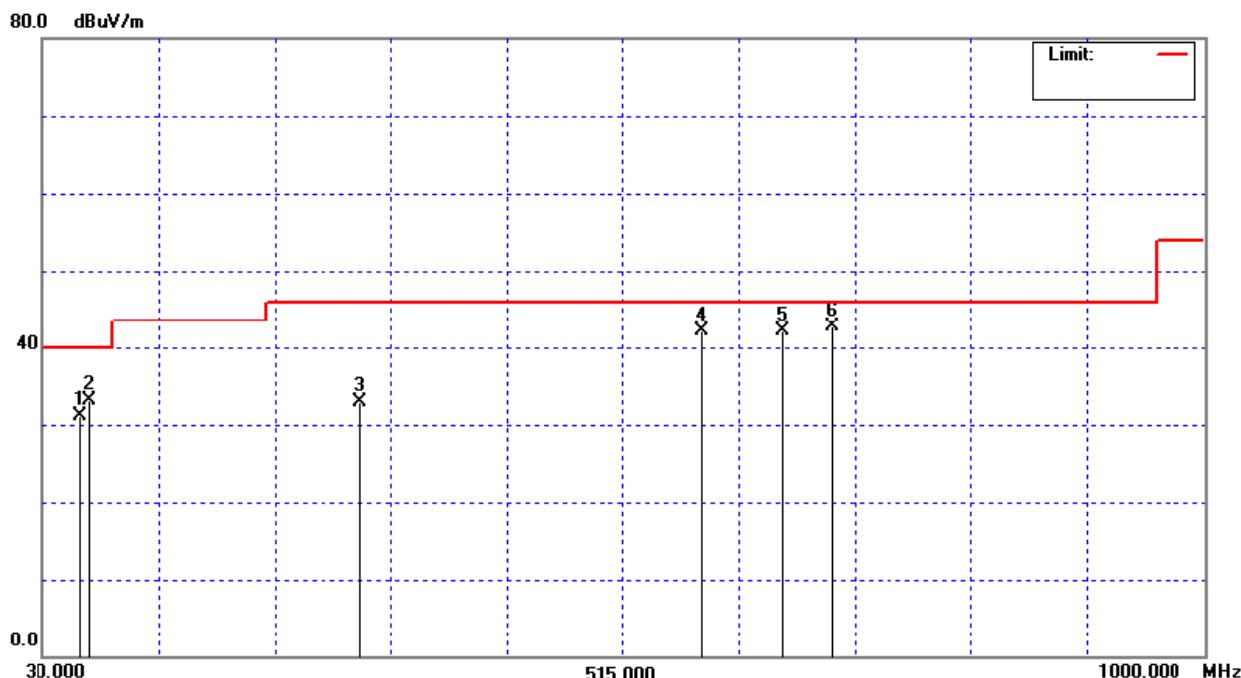


EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	24 °C	Relative Humidity :	74 %
Pressure :	1017 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH11		

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)

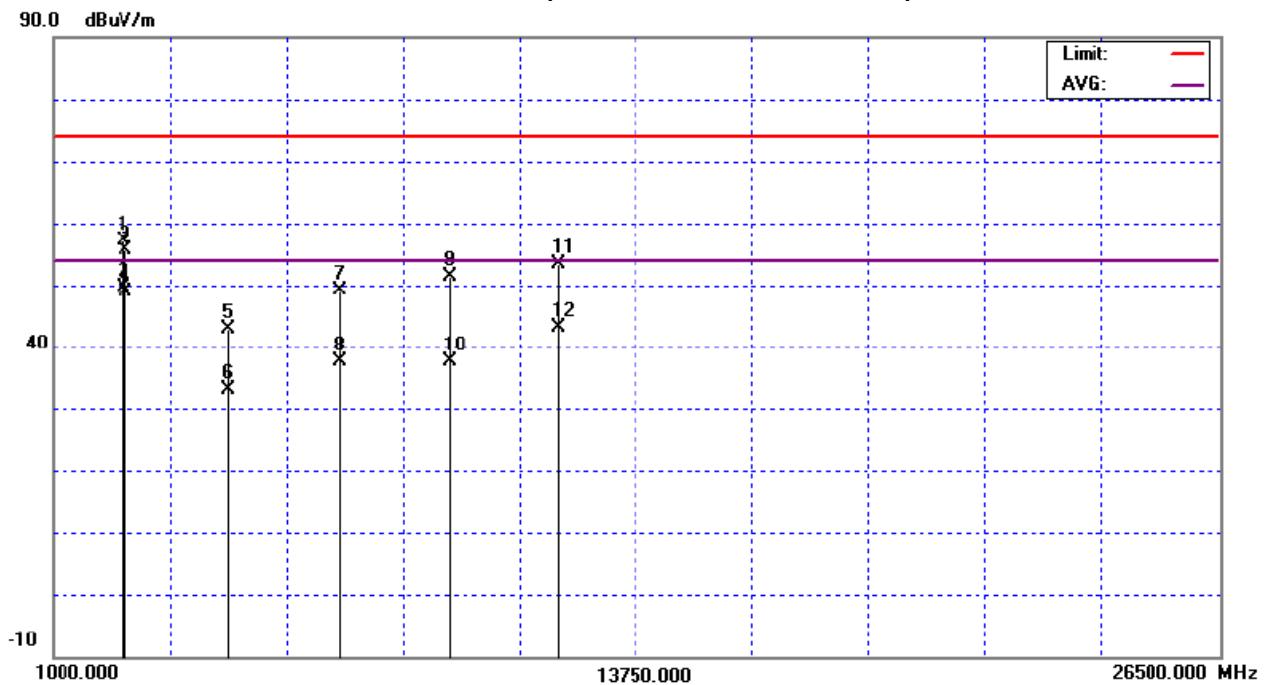
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH01		

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

Orthogonal Axes : X
802.11b/CH01(Above 1000 MHz, Vertical)



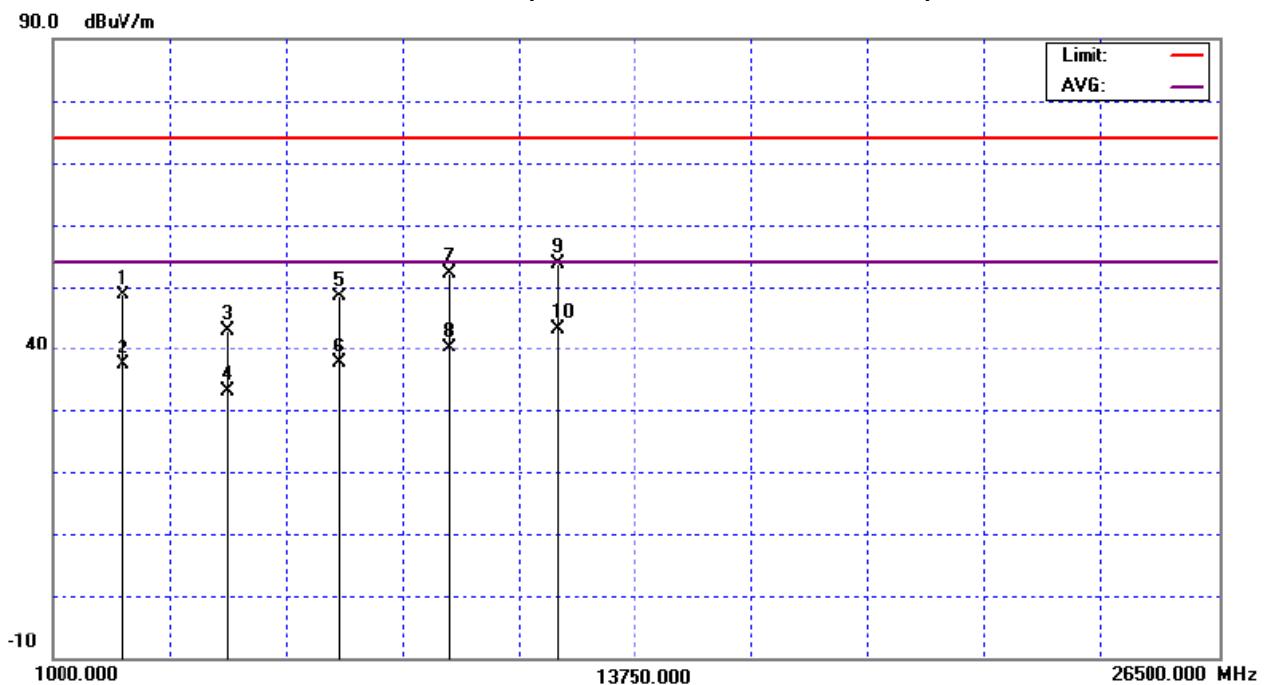
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH01		

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

Orthogonal Axes : X
802.11b/CH01(Above 1000 MHz, Horizontal)



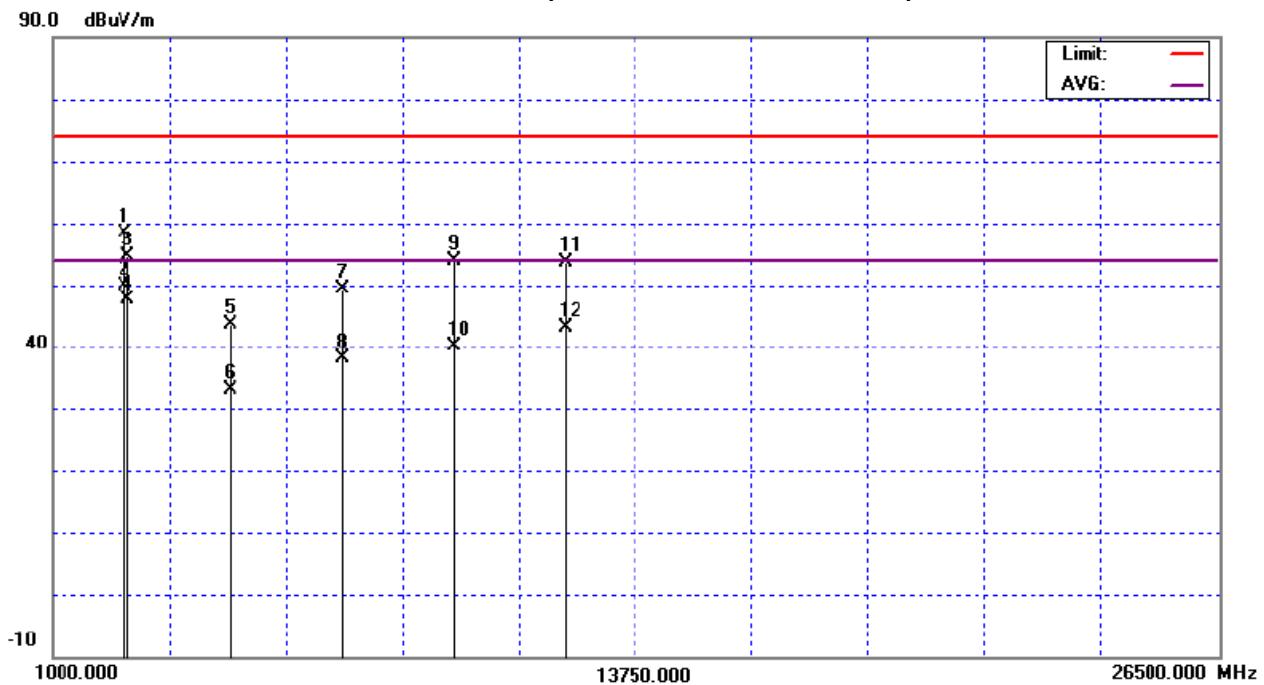
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH06		

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

Orthogonal Axes : X
802.11b/CH06(Above 1000 MHz, Vertical)



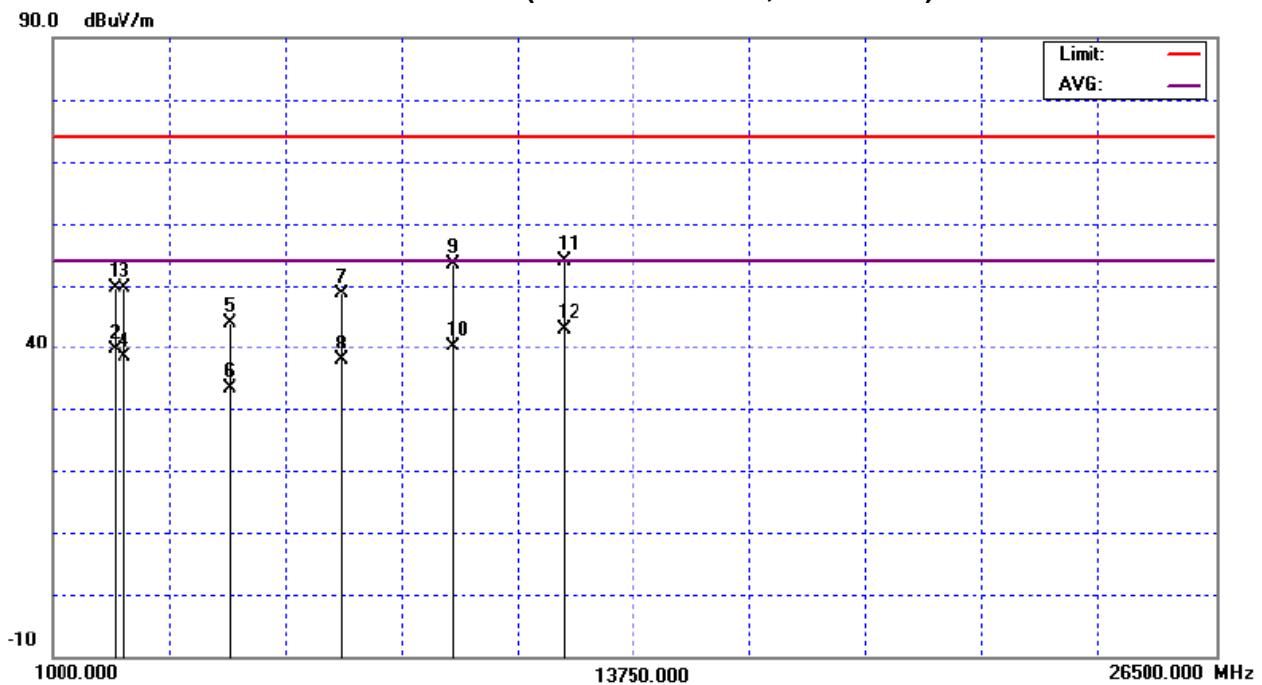
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH06		

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

Orthogonal Axes : X
802.11b/CH06(Above 1000 MHz, Horizontal)



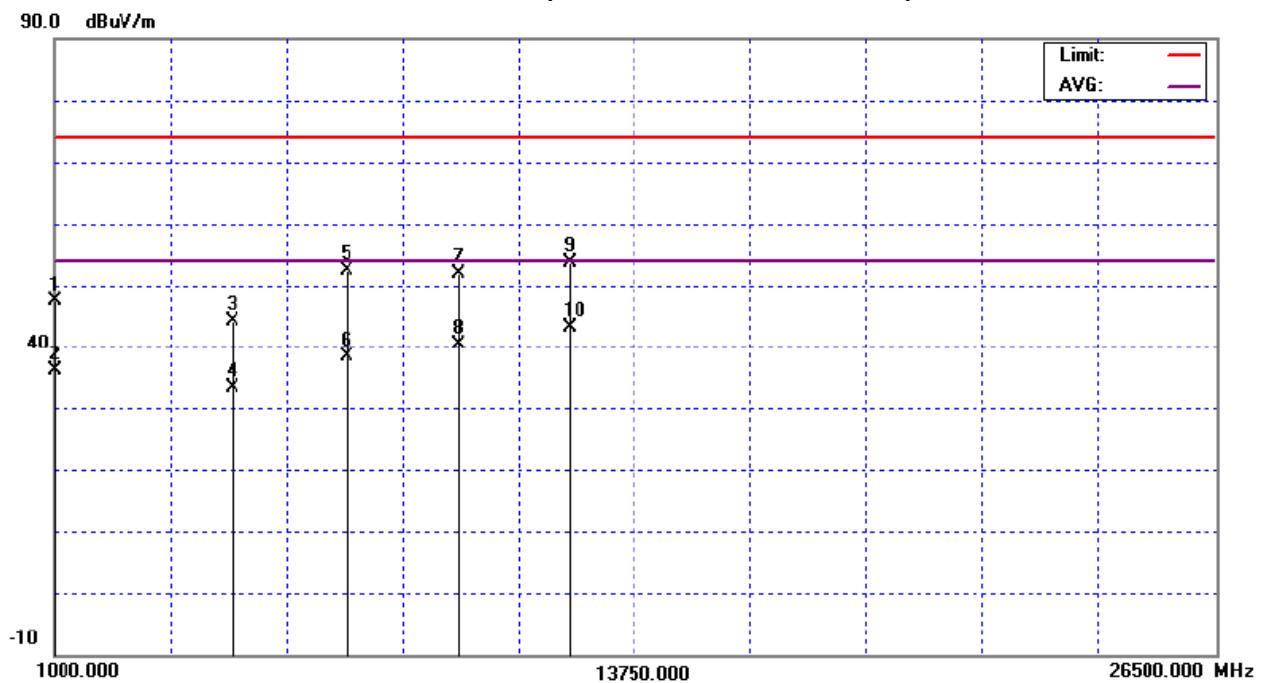
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH11		

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

Orthogonal Axes : X
802.11b/CH11(Above 1000 MHz, Vertical)



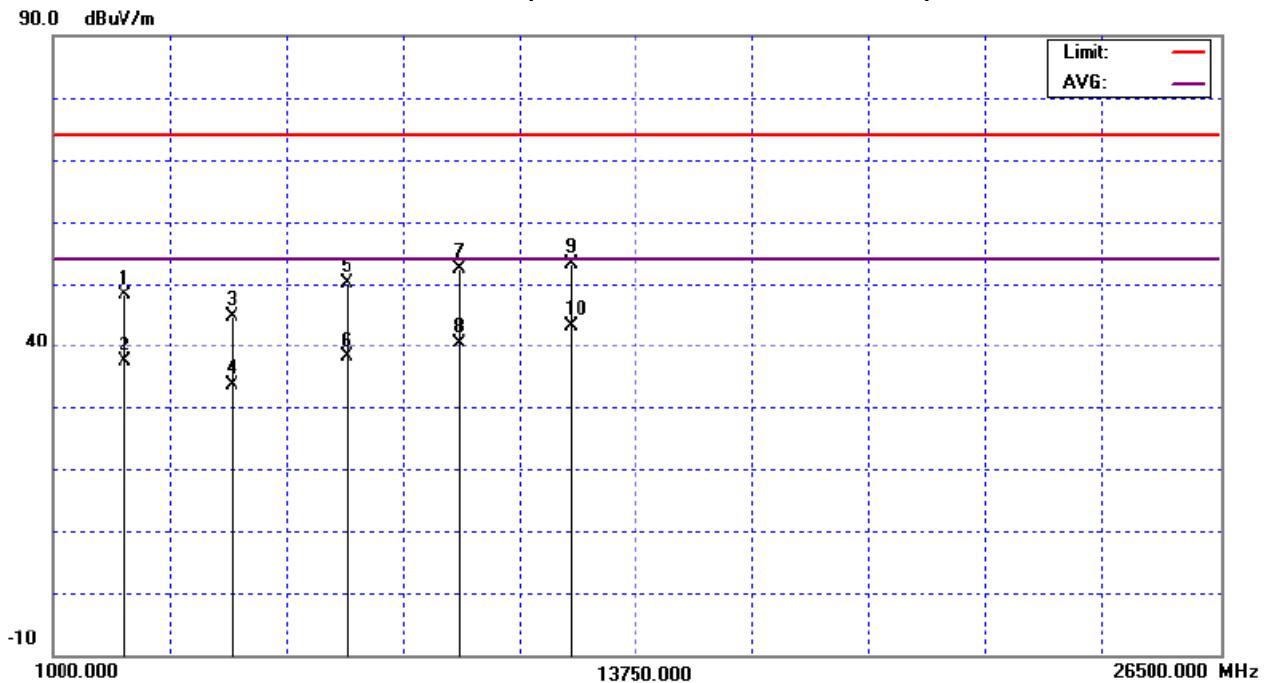
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b/CH11		

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

Orthogonal Axes : X
802.11b/CH11(Above 1000 MHz, Horizontal)



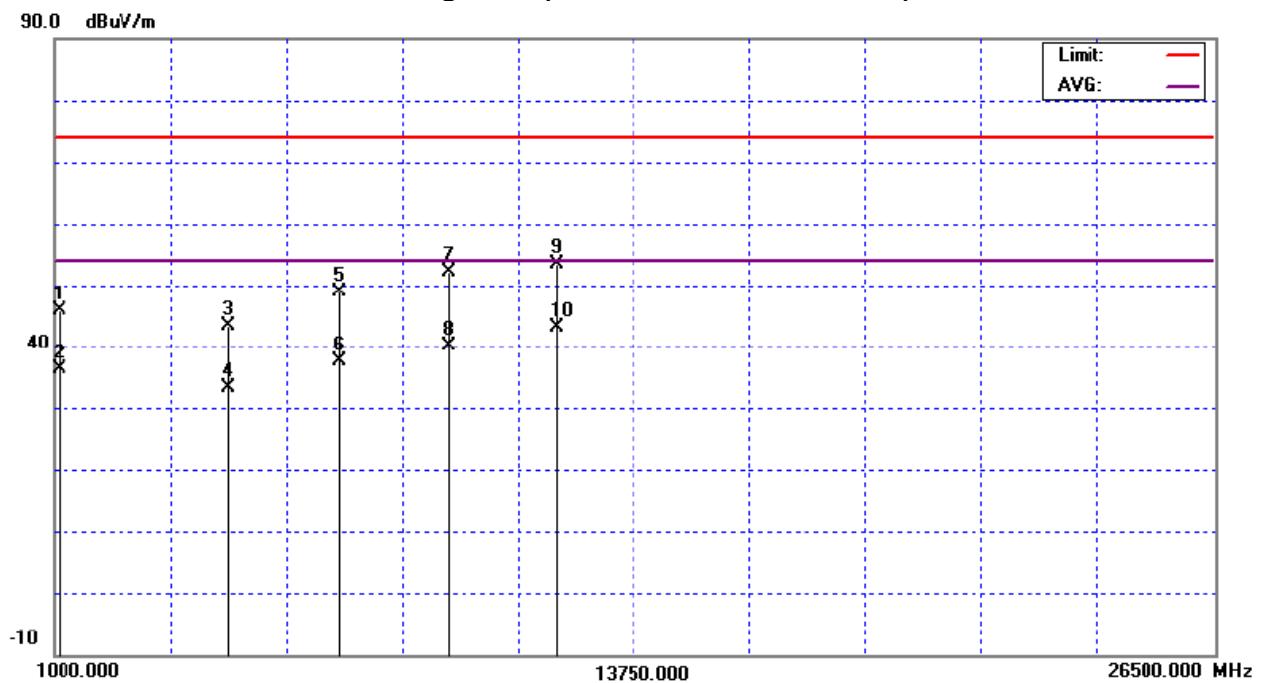
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH01		

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

Orthogonal Axes : X
802.11g/CH01(Above 1000 MHz, Vertical)



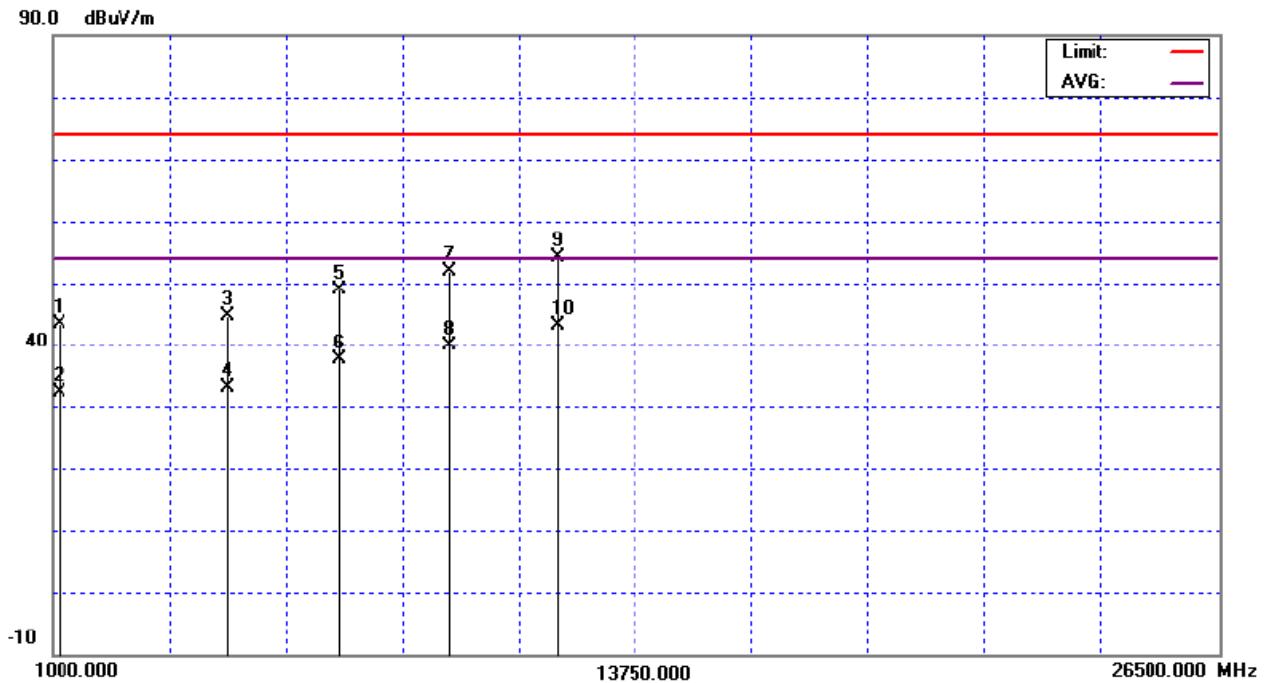
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH01		

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

Orthogonal Axes : X
802.11g/CH01(Above 1000 MHz, Horizontal)



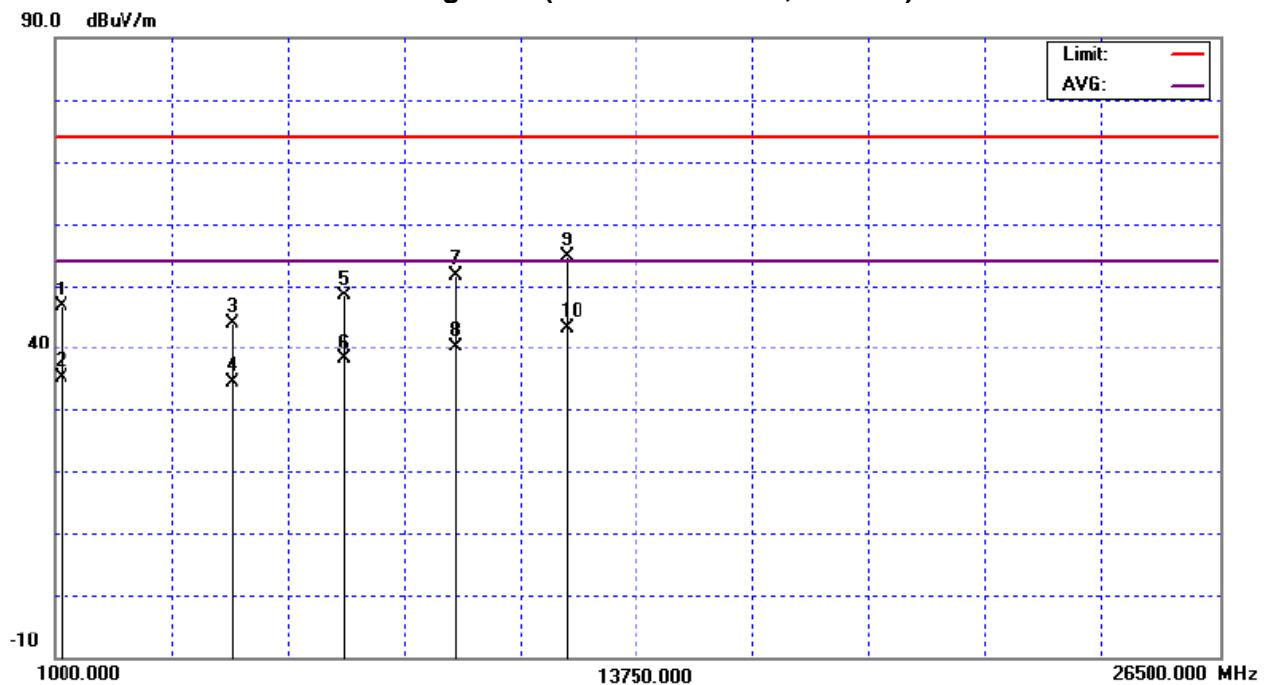
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH06		

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

Orthogonal Axes : X
802.11g/CH06(Above 1000 MHz, Vertical)



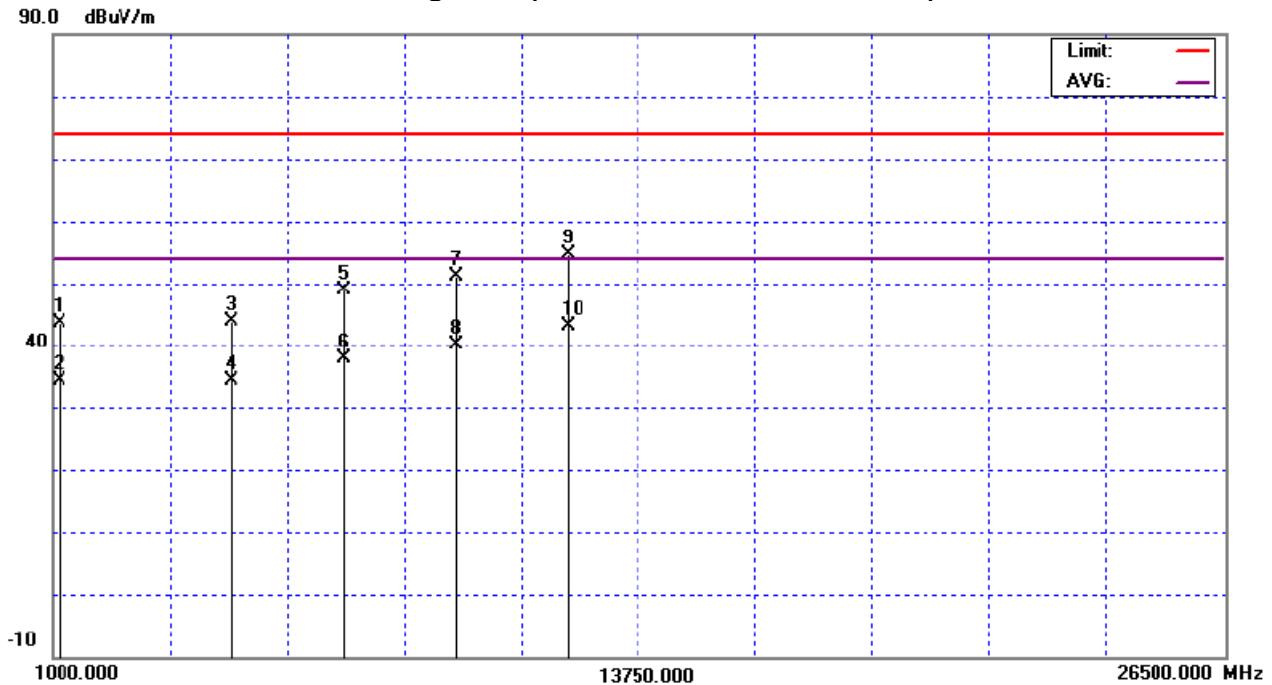
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH06		

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

Orthogonal Axes : X
802.11g/CH06(Above 1000 MHz, Horizontal)



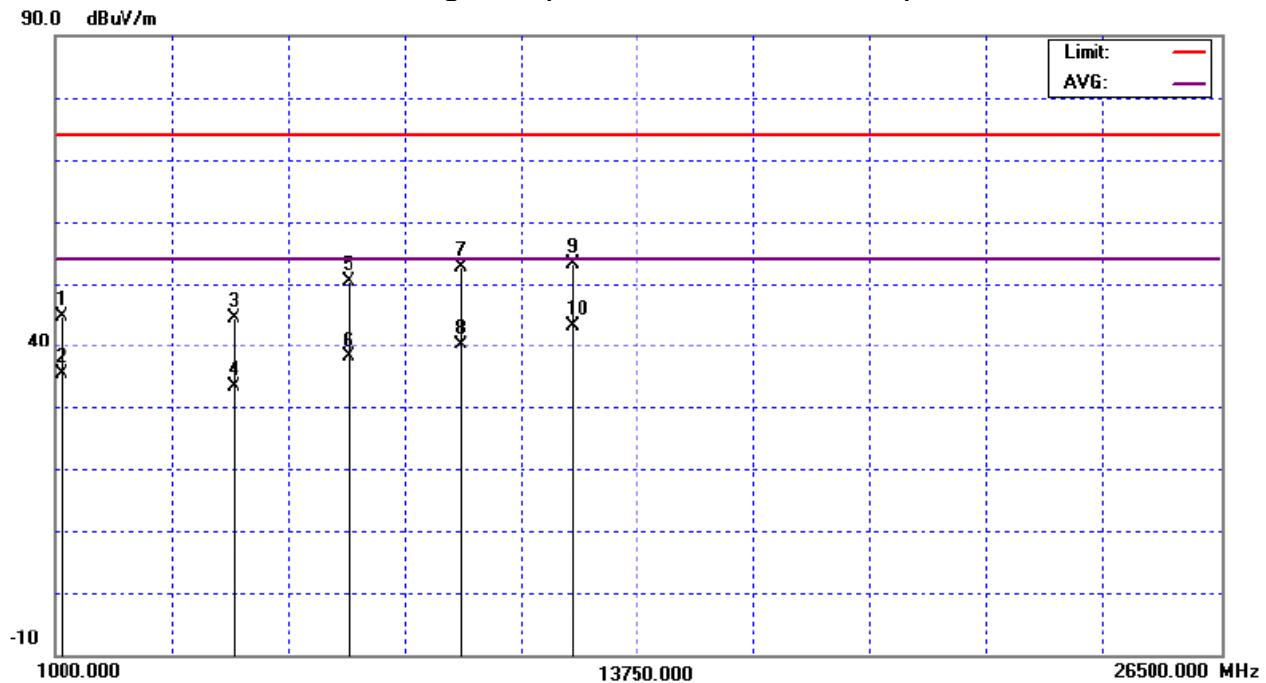
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH11		

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

Orthogonal Axes : X
802.11g/CH11(Above 1000 MHz, Vertical)



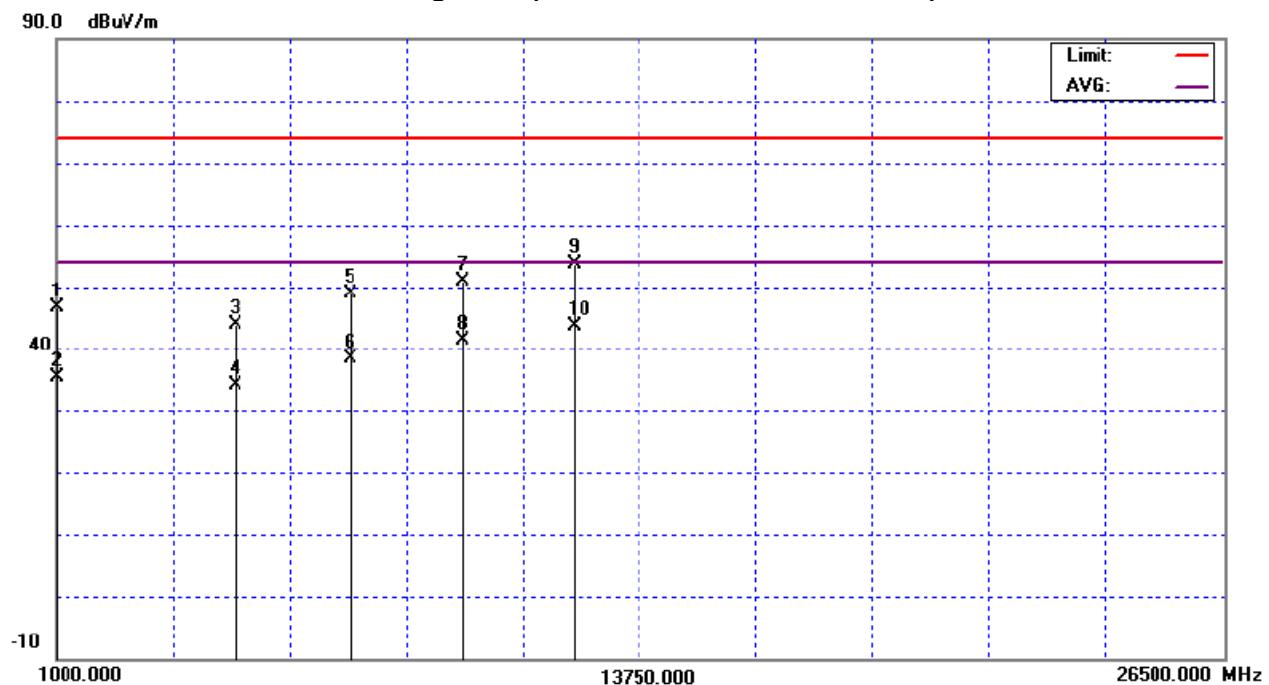
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g/CH11		

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

Orthogonal Axes : X
802.11g/CH11(Above 1000 MHz, Horizontal)



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 :	The emission of the carrier radiated field strength is measured for 802.11b (Peak and AV) as following: 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.		

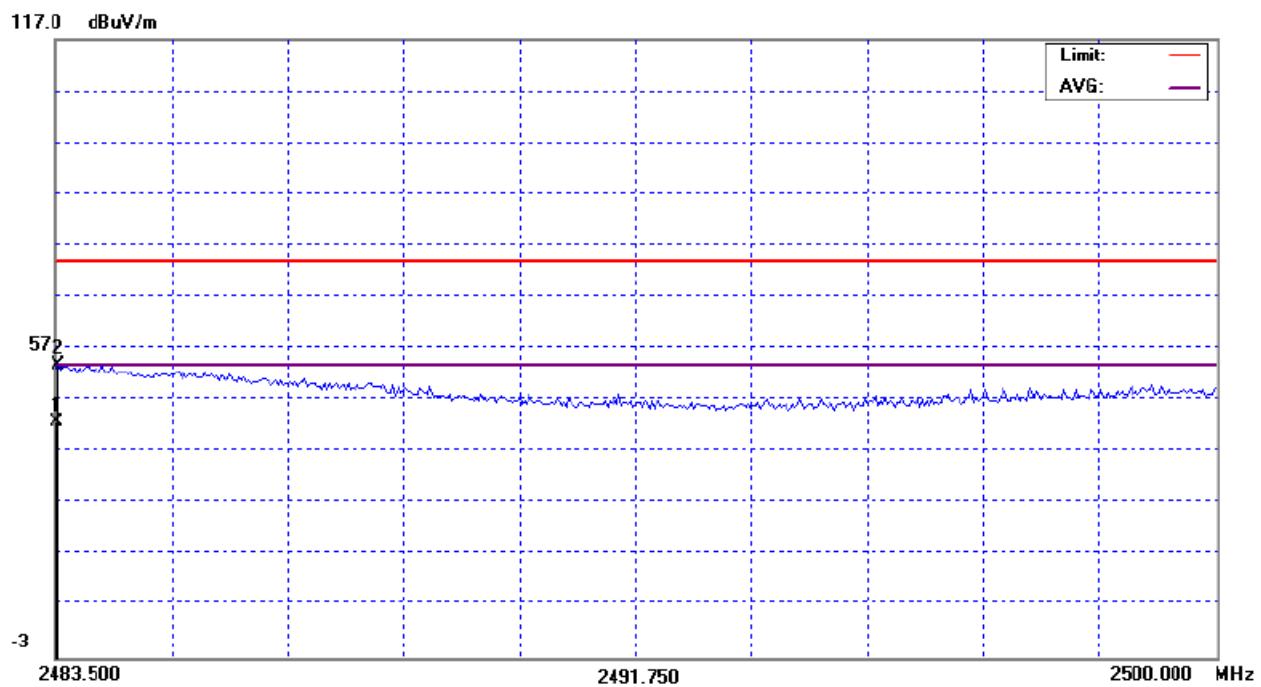
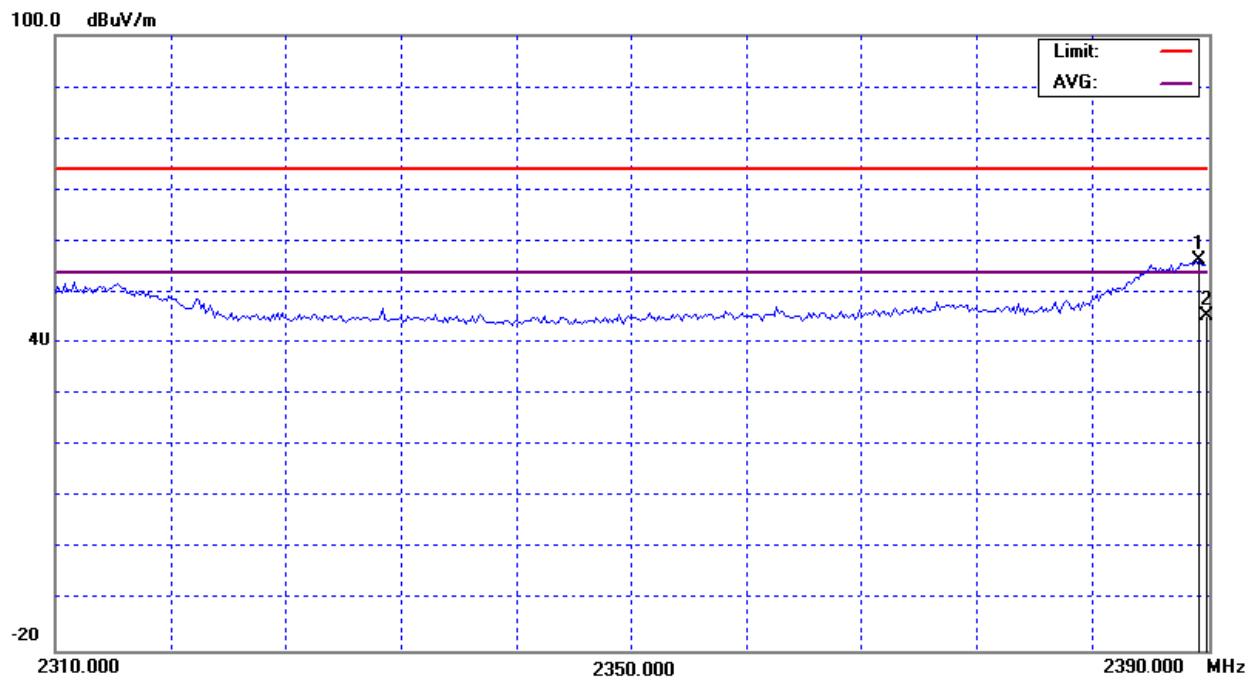
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2389.50	V	59.38	48.59	-2.99	56.39	45.60	74.00	54.00	X
2483.53	V	45.61	56.47	-2.75	42.86	53.72	74.00	54.00	X

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)



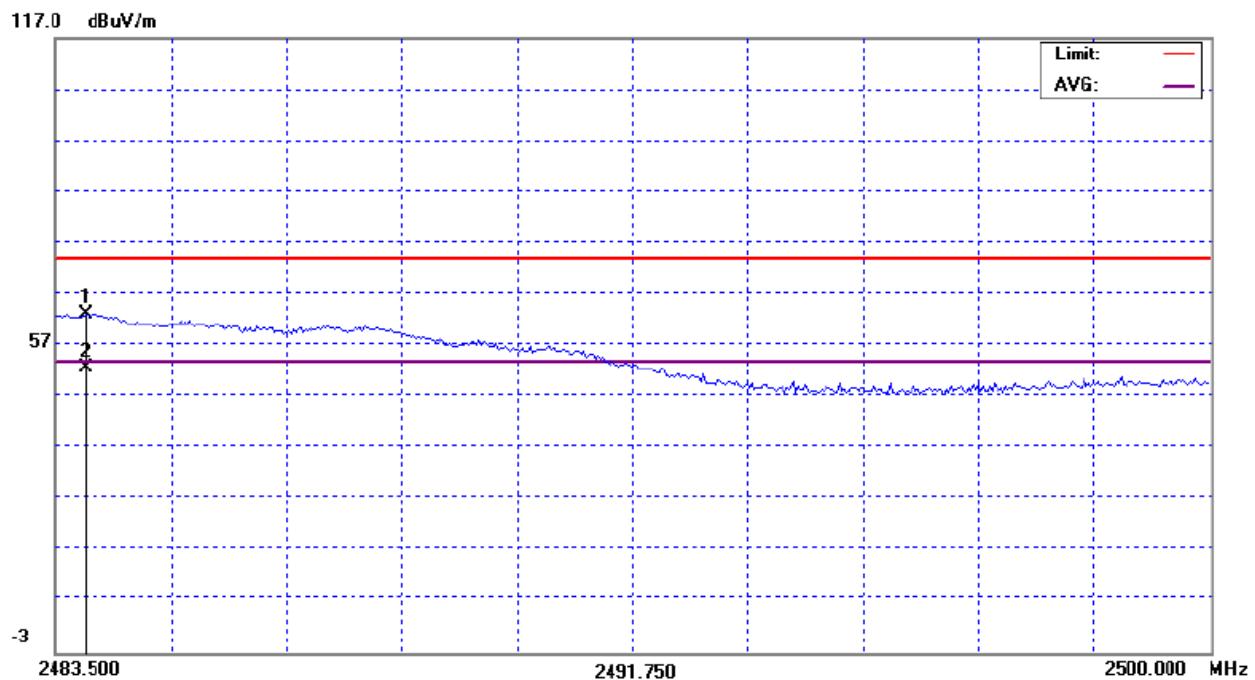
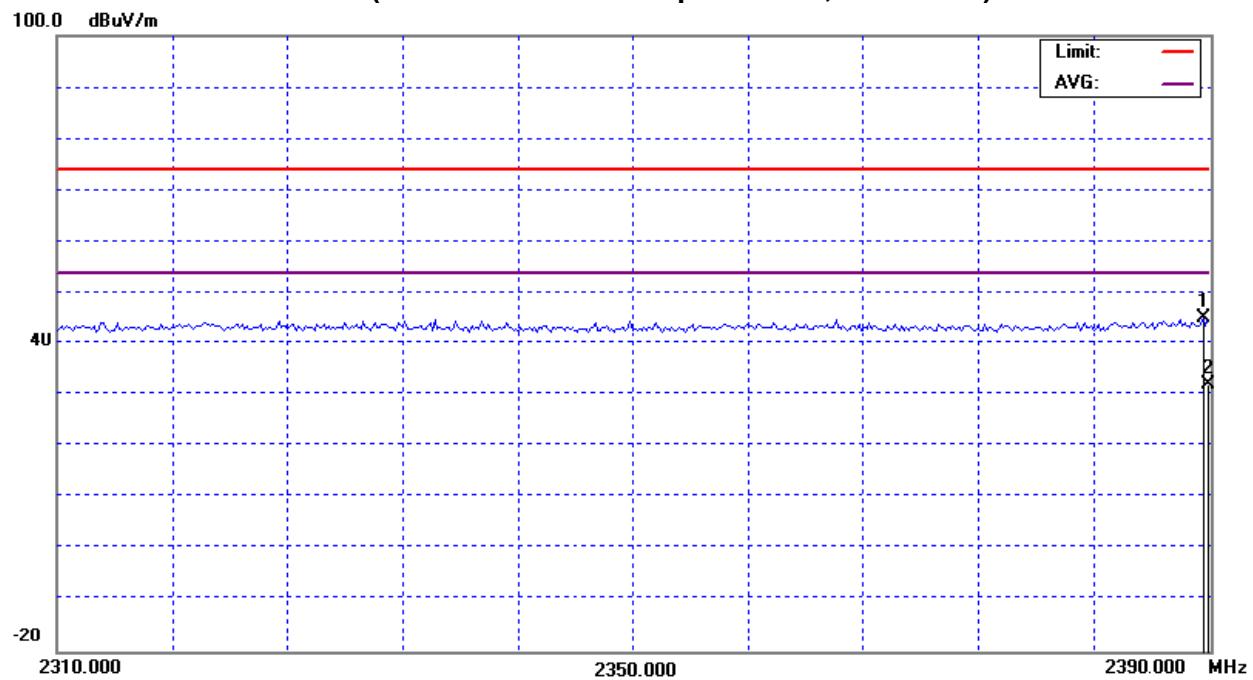
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11b(Horizontal)		
Note :	<p>The emission of the carrier radiated field strength is measured for 802.11b (Peak and AV) as following:</p> <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)



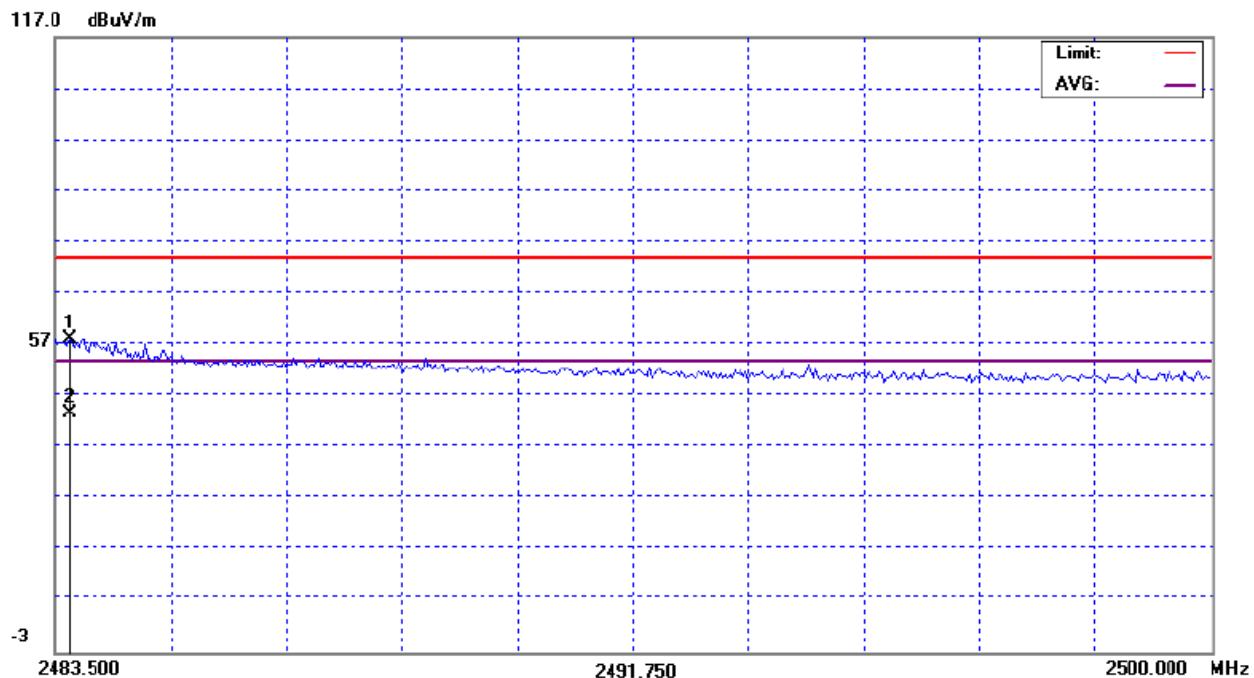
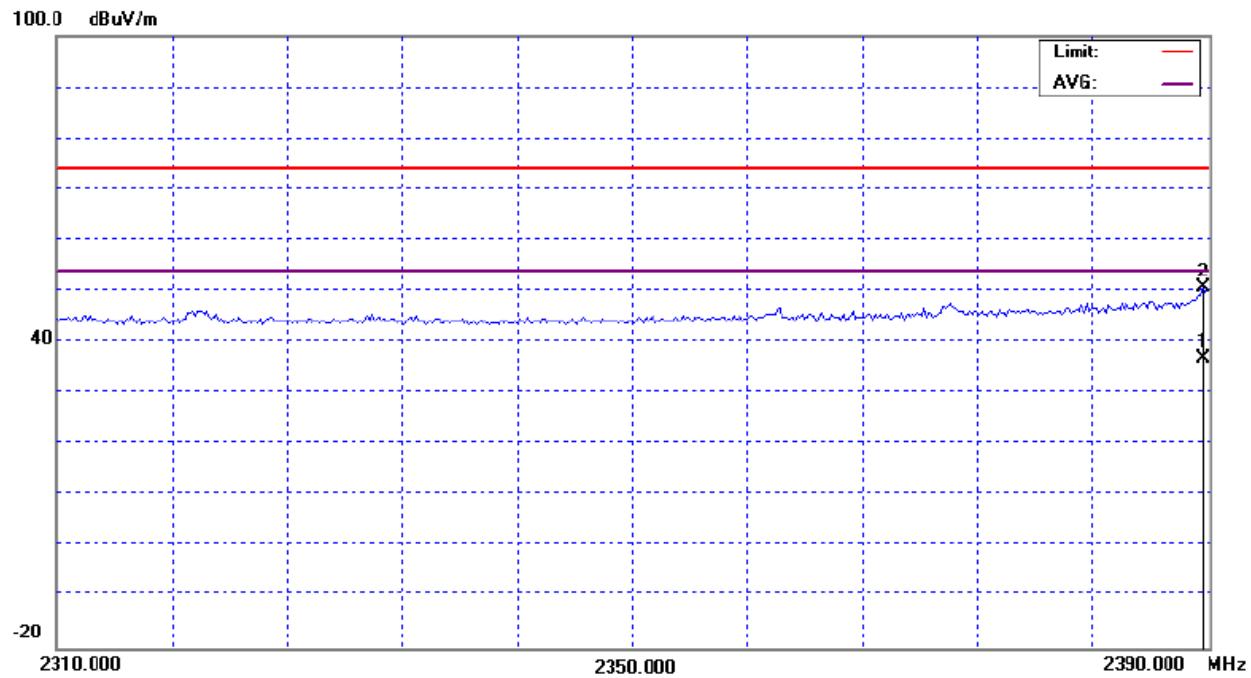
EUT :	802.11g Super Wireless Access Point	Model No. :	SPA30G
Temperature :	25 °C	Relative Humidity :	60 %
Pressure :	1009 hPa	Test Power :	AC 120V/60Hz
Test Mode :	802.11g(Vertical)		
Note :	The emission of the carrier radiated field strength is measured for 802.11g (Peak and AV) as following: 1. The 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)

