



# FCC TEST REPORT

**REPORT NO.:** RF950403H03-1

**MODEL NO.:** WRT54G3G

**RECEIVED:** April 03, 2006

**TESTED:** May 10 to June 02, 2006

**ISSUED:** June 7, 2006

**APPLICANT:** Cisco-Linksys LLC

**ADDRESS:** 121 Theory Drive Irvine, CA 92617(USA)

**ISSUED BY:** Advance Data Technology Corporation

**LAB LOCATION:** No. 81-1, Lu Liao Keng, 9 Ling, Wu Lung Tsuen,  
Chiung Lin Hsiang, Hsin Chu Hsien,  
Taiwan, R.O.C.

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## 1 CERTIFICATION

**PRODUCT :** Wireless-G Router for Mobile Broadband  
**BRAND NAME :** Linksys  
**MODEL NO. :** WRT54G3G  
**TESTED:** May 10 to June 02, 2006  
**APPLICANT :** Cisco-Linksys LLC  
**TEST ITEM:** ENGINEERING SAMPLE  
**STANDARDS :** 47 CFR Part 15, Subpart C (Section 15.247),  
ANSI C63.4-2003

The above equipment (Model: WRT54G3G) has been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**PREPARED BY :** Carol Liao , **DATE:** June 7, 2006  
( Carol Liao )

**TECHNICAL ACCEPTANCE :** Hank Chung , **DATE:** June 7, 2006  
Responsible for RF ( Hank Chung )

**APPROVED BY :** May Chen , **DATE:** June 7, 2006  
( May Chen, Deputy Manager )

## 2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

<b>APPLIED STANDARD: 47 CFR Part 15, Subpart C</b>			
<b>Standard Section</b>	<b>Test Type and Limit</b>	<b>Result</b>	<b>REMARK</b>
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit Minimum passing margin is -13.05 dB at 0.509 MHz and 0.510 MHz
15.247(c)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit Minimum passing margin is -2.1 dB at 366.82 MHz

### 3 GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

<b>PRODUCT</b>	Wireless-G Router for Mobile Broadband
<b>MODEL NO.</b>	WRT54G3G
<b>FCC ID</b>	Q87-WRT54G3G
<b>POWER SUPPLY</b>	DC 12V from power adapter
<b>MODULATION TYPE</b>	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
<b>RADIO TECHNOLOGY</b>	DSSS, OFDM
<b>TRANSFER RATE</b>	802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps
<b>FREQUENCY RANGE</b>	2412MHz ~ 2462MHz
<b>NUMBER OF CHANNEL</b>	11
<b>CHANNEL SPACING</b>	5MHz
<b>OUTPUT POWER</b>	802.11b: 109.144mW 802.11g: 178.238mW
<b>ANTENNA TYPE</b>	Dipole antenna, antenna gain: 2dBi
<b>DATA CABLE</b>	NA
<b>I/O PORTS</b>	One 10/100 RJ45 Internet Port Four 10/100 RJ45 Switched LAN Port
<b>ASSOCIATED DEVICES</b>	NA

#### NOTE:

- The EUT was tested with following three GSM Cards individually; therefore emission tests are added for co-location between wireless LAN and GSM function. The emission tests have been performed at the worst channel of both WLAN and GSM, and recorded in the report.

Item	Brand name	Model name	FCC ID
1	cingular raising the bar	NRM-U730	NBZNRM-U730
2	vodafone	U630	NBZNRM-U630
3	vodafone	GT 3G Quad	NCMOGL3Q

2. The EUT must be supplied with a power adapter and following different models could be chosen:

<b>Adapter 1:</b>	
<b>Brand:</b>	Linksys
<b>Model No.:</b>	AM-1201000D41
<b>Input power :</b>	AC120V, 50Hz, 0.15A
<b>Output power :</b>	DC12V, 1A Cable:1.8m/unshielded/without core
<b>Adapter 2:</b>	
<b>Brand:</b>	Linksys
<b>Model No.:</b>	D12-1000
<b>Input power :</b>	AC120V, 50Hz, 0.15A
<b>Output power :</b>	DC12V, 1A Cable:1.8m/unshielded/without core

3. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps.
4. The EUT complies with IEEE 802.11g standards, and backwards compatible with IEEE 802.11b products.
5. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

### 3.2 DESCRIPTION OF TEST MODES

Operated in 2400 ~ 2483.5MHz band:

For 802.11b/g normal mode: Eleven channels are provided to this EUT.

<b>Channel</b>	<b>Frequency</b>	<b>Channel</b>	<b>Frequency</b>
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz		

### 3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL:

EUT configure mode	Applicable to			Description
	PLC	RE<1G	RE≥1G	
A	√	√	√	Co-located with card 1: EDGE 850 (Frequency: 848.8MHz, Channel 251)
B	√	√	√	Co-located with card 1: HSDPA 850 (Frequency: 836.6MHz, Channel 189)
C	√	√	√	Co-located with card 1: EDGE 1900 (Frequency: 1909.7MHz, Channel 810)
D	√	√	√	Co-located with card 1: HSDPA 1900 (Frequency: 1909.7MHz, Channel 810)
E	√	√	√	Co-located with card 2: GSM 1900 (Frequency: 1880.0MHz, Channel 661)
F	√	√	√	Co-located with card 3: GSM 850 (Frequency: 836.6MHz, Channel 190)
G	√	√	√	Co-located with card 3: GSM 1900 (Frequency: 1909.8MHz, Channel 810)

Where PLC: Power Line Conducted Emission RE<1G RE: Radiated Emission below 1GHz  
RE≥1G: Radiated Emission above 1GHz

#### **Power Line Conducted Emission Test:**

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11g	1 to 11	6	OFDM	BPSK	6

- The EUT was tested with the following modes:

Test Mode	Description
Mode 1	Adapter 1
Mode 2	Adapter 2

**Radiated Emission Test (Below 1 GHz):**

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11g	1 to 11	6	OFDM	BPSK	6

The EUT was tested with the following modes:

Test Mode	Description
Mode 1	Adapter 1
Mode 2	Adapter 2

**Radiated Emission Test (Above 1 GHz):**

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11b	1 to 11	6	DSSS	CCK	11
802.11g	1 to 11	6	OFDM	BPSK	6





### **3.4 GENERAL DESCRIPTION OF APPLIED STANDARDS**

The EUT is a Wireless-G Router for Mobile Broadband. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**47 CFR Part 15, Subpart C. (15.247)**  
**ANSI C63.4 : 2003**

All tests have been performed and recorded as per the above standards.

### 3.5 DESCRIPTION OF SUPPORT UNITS

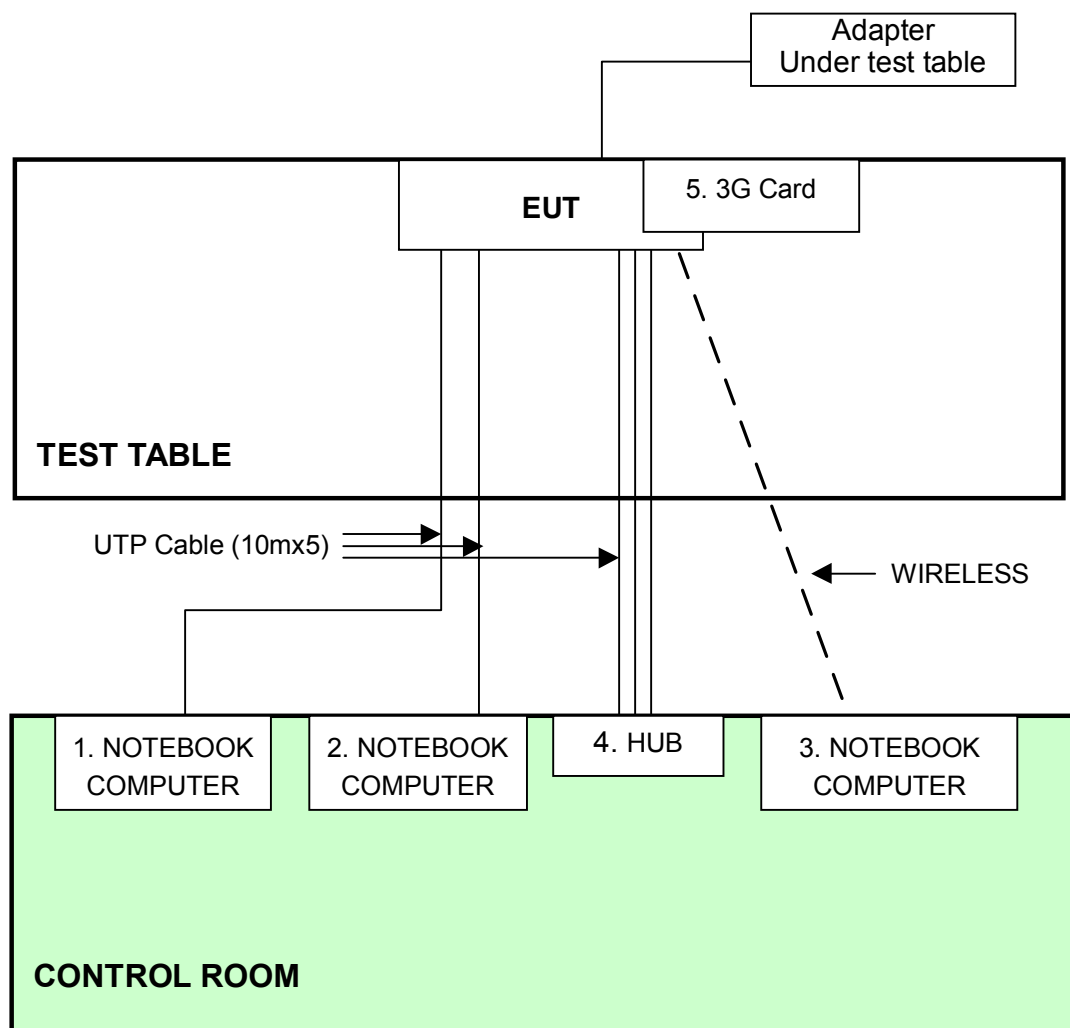
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Product	Brand	Model No.	Serial No.	FCC ID
1	NOTEBOOK COMPUTER	DELL	PP01L	TW-09c748-12800-165-3171	FCC DoC
2	NOTEBOOK COMPUTER	DELL	PP01L	TW-0791UH-12800-0CK-3735	FCC DoC
3	NOTEBOOK COMPUTER	DELL	PP21L	CN-0GD366-70166-5B3-09ZX	QDS-BRCM1016
4	HUB	AVSYS	110H8	01-20E-000006	FCC DoC
5	3G Card	Option	Globe Trotter Fusion	RC31515152	NA

No.	Signal cable description
1	NA
2	NA
3	NA
4	NA
5	NA

Note: 1. All power cords of the above support units are unshielded (1.8m).

### 3.6 CONFIGURATION OF SYSTEM UNDER TEST



- NOTE:**
1. Support unit 1-4 were kept in the control room during the test.
  2. Please refer to the photos of test configuration in Item 5 also.

## 4 TEST TYPES AND RESULTS

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

**NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. All emanations from a class B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

#### 4.1.2 TEST INSTRUMENTS

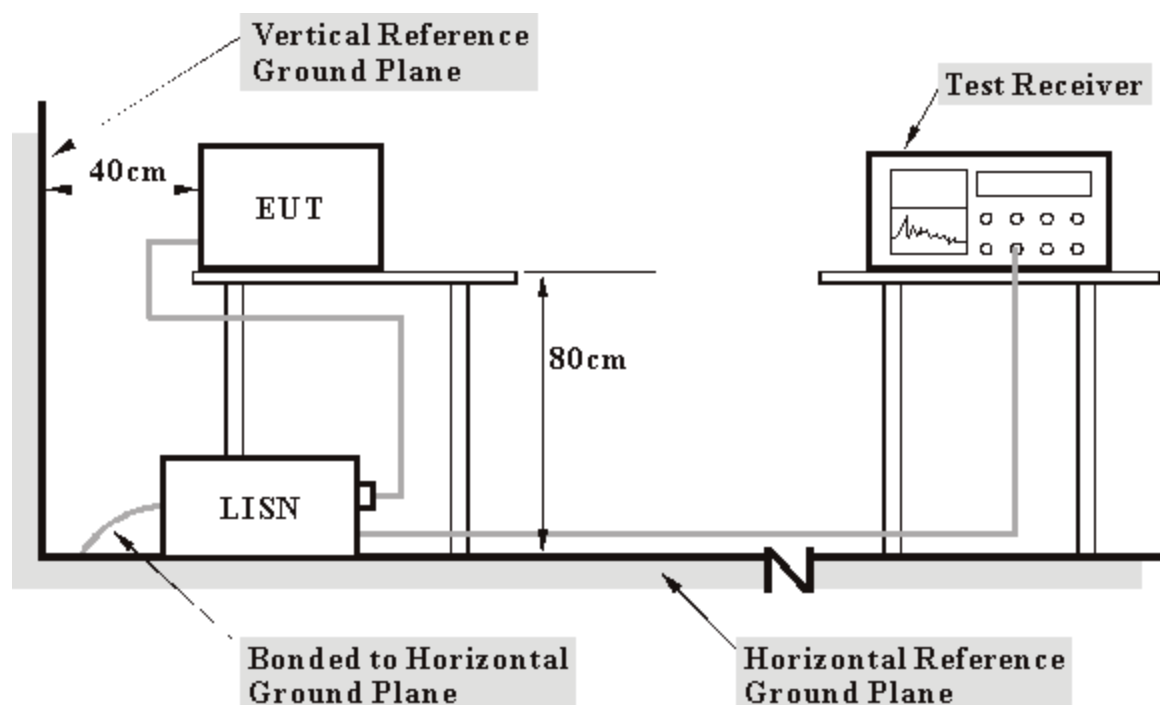
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver	ESCS 30	847124/029	Dec. 15, 2006
Line-Impedance Stabilization Network(for EUT)	ENV-216	100071	Nov. 10, 2006
Line-Impedance Stabilization Network(for Peripheral)	KNW-407	8/1395/12	Jul. 19, 2006
RF Cable (JETBAO)	RG233/U	Cable_CB_01	Dec. 09, 2006
Terminator	50	2	Oct. 08, 2006
Software	ADT_Cond_V7.3.2	NA	NA

- NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. The test was performed in ADT Shielded Room No. B.  
 3. The VCCI Con B Registration No. is C-2193.

#### 4.1.3 TEST PROCEDURES

- a. The EUT/HOST was placed 0.4 meters from the conducting wall of the shielded room with EUT/HOST being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT/HOST were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not be reported

#### 4.1.4 TEST SETUP



- Note:**
1. Support units were connected to second LISN.
  2. Both of LISNs (AMIN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

#### 4.1.5 EUT OPERATING CONDITIONS

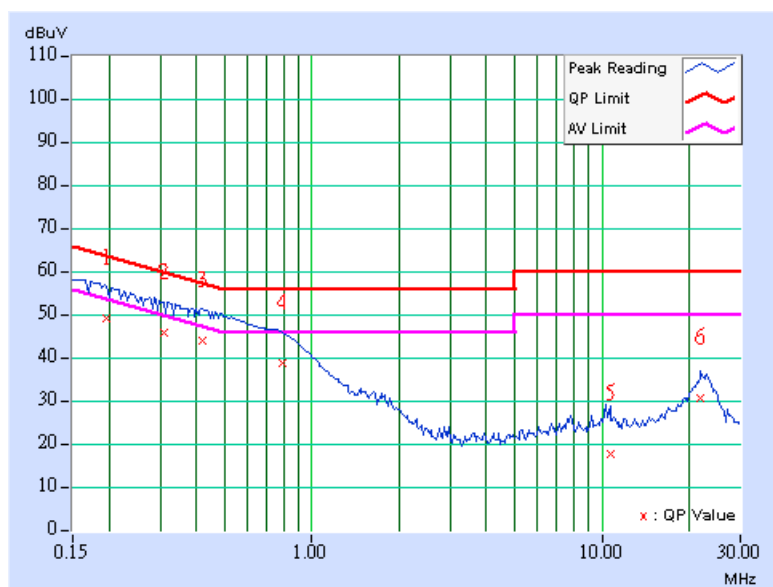
- a. Placed the EUT on the testing table.
- b. Prepared other computer systems (support unit 1~4) to act as a communication partner and placed them outside of testing area.
- c. The communication partners run test program “IE with HTTP://192.168.1.1 ” to enable EUT under transmission/receiving condition continuously at specific channel frequency via UTP cables and wireless transmission.
- d. For 3G card, the communication partner runs a test program (provided by manufacturer) to enable GSM function.

#### 4.1.6 TEST RESULTS

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH251 (DEGE 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	A (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	9.60	39.18	-	48.78	-	63.74	53.74	-14.96	-
2	0.310	9.60	35.90	-	45.50	-	59.97	49.97	-14.47	-
3	0.420	9.60	33.87	-	43.47	-	57.46	47.46	-13.99	-
4	0.795	9.60	28.74	-	38.34	-	56.00	46.00	-17.66	-
5	10.652	9.93	7.84	-	17.77	-	60.00	50.00	-42.23	-
6	21.957	10.10	20.49	-	30.59	-	60.00	50.00	-29.41	-

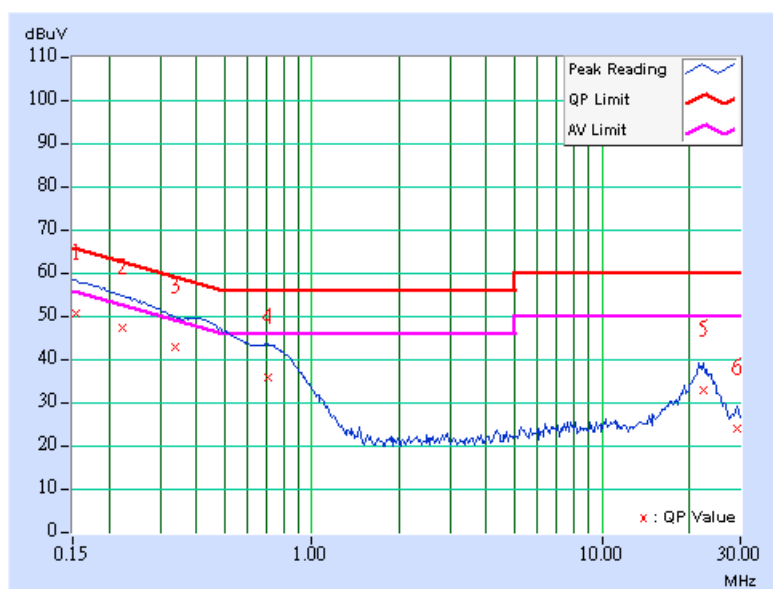
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH251 (DEGE 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	A (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	9.60	40.58	-	50.18	-	65.79	55.79	-15.61	-
2	0.221	9.60	37.42	-	47.02	-	62.77	52.77	-15.75	-
3	0.338	9.60	32.90	-	42.50	-	59.26	49.26	-16.76	-
4	0.707	9.60	25.96	-	35.56	-	56.00	46.00	-20.44	-
5	22.306	10.10	22.69	-	32.79	-	60.00	50.00	-27.21	-
6	29.234	10.10	13.93	-	24.03	-	60.00	50.00	-35.97	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.

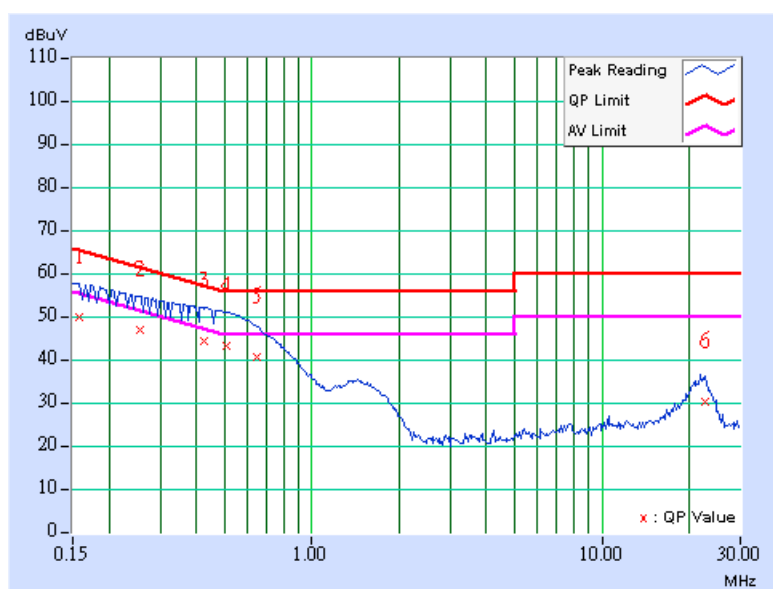




<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH251 (DEGE 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	A (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	9.60	39.86	-	49.46	-	65.58	55.58	-16.12	-
2	0.255	9.60	36.90	-	46.50	-	61.58	51.58	-15.08	-
3	0.423	9.60	34.35	-	43.95	-	57.38	47.38	-13.43	-
<b>4</b>	<b>0.509</b>	<b>9.60</b>	<b>33.35</b>	-	<b>42.95</b>	-	<b>56.00</b>	<b>46.00</b>	<b>-13.05</b>	-
5	0.646	9.60	30.72	-	40.32	-	56.00	46.00	-15.68	-
6	22.594	10.10	20.22	-	30.32	-	60.00	50.00	-29.68	-

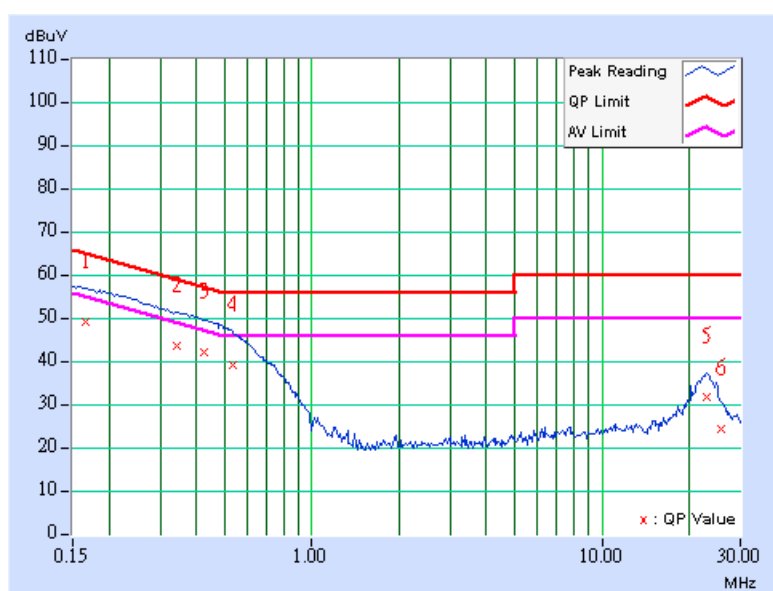
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH251 (DEGE 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	A (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	9.60	39.12	-	48.72	-	65.17	55.17	-16.45	-
2	0.341	9.60	33.60	-	43.20	-	59.17	49.17	-15.97	-
3	0.423	9.60	32.01	-	41.61	-	57.39	47.39	-15.78	-
4	0.533	9.60	29.20	-	38.80	-	56.00	46.00	-17.20	-
5	23.017	10.10	21.59	-	31.69	-	60.00	50.00	-28.31	-
6	25.735	10.10	14.45	-	24.55	-	60.00	50.00	-35.45	-

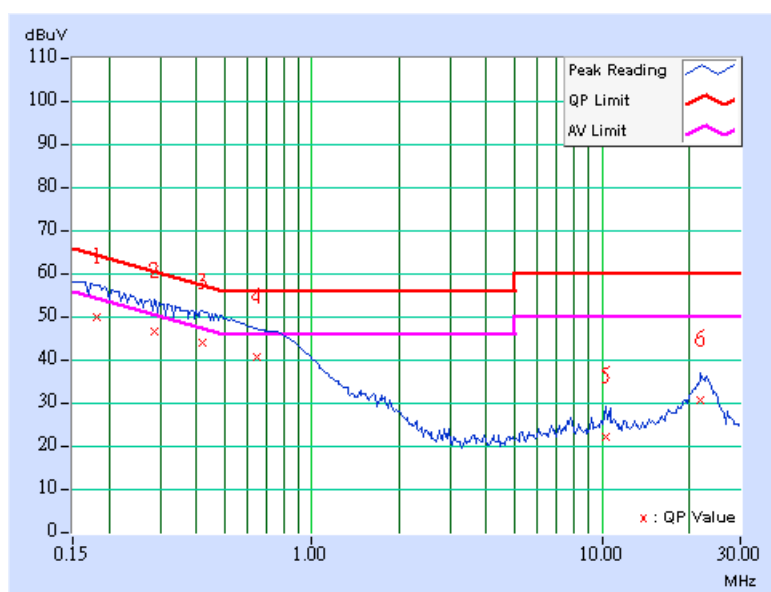
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH189 (HSDPA 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	B (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	9.60	39.82	-	49.42	-	64.43	54.43	-15.01	-
2	0.287	9.60	36.54	-	46.14	-	60.62	50.62	-14.48	-
3	0.419	9.60	33.87	-	43.47	-	57.46	47.46	-13.99	-
4	0.646	9.60	30.72	-	40.32	-	56.00	46.00	-15.68	-
5	10.353	9.91	12.06	-	21.97	-	60.00	50.00	-38.03	-
6	21.958	10.10	20.49	-	30.59	-	60.00	50.00	-29.41	-

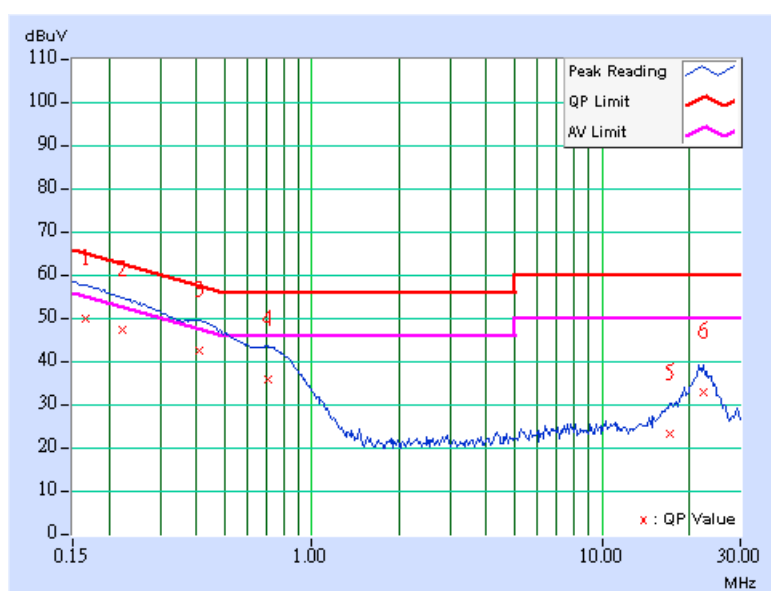
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
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<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH189 (HSDPA 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	B (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.167	9.60	39.98	-	49.58	-	65.12	55.12	-15.54	-
2	0.221	9.60	37.42	-	47.02	-	62.77	52.77	-15.75	-
3	0.409	9.60	32.49	-	42.09	-	57.67	47.67	-15.58	-
4	0.707	9.60	25.96	-	35.56	-	56.00	46.00	-20.44	-
5	17.200	10.04	13.08	-	23.12	-	60.00	50.00	-36.88	-
6	22.306	10.10	22.69	-	32.79	-	60.00	50.00	-27.21	-

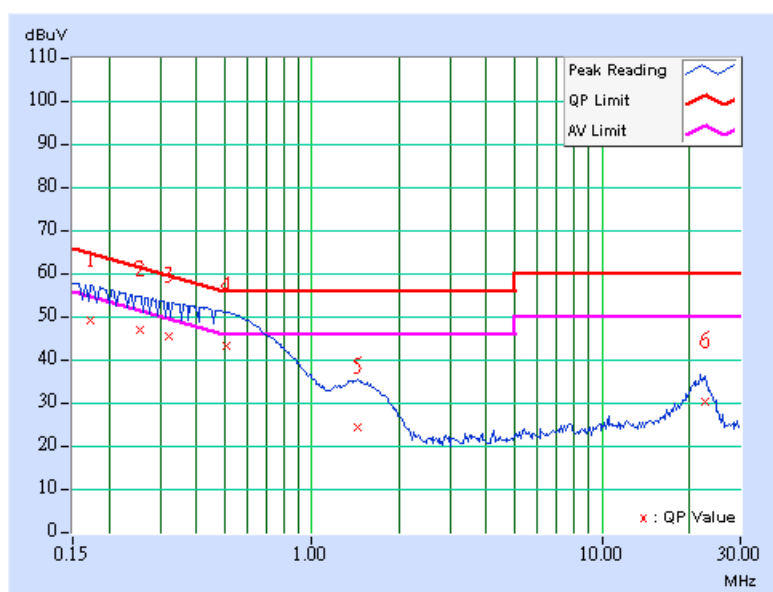
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH189 (HSDPA 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	B (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.174	9.60	39.04	-	48.64	-	64.79	54.79	-16.15	-
2	0.256	9.60	36.90	-	46.50	-	61.55	51.55	-15.05	-
3	0.322	9.60	35.40	-	45.00	-	59.66	49.66	-14.66	-
<b>4</b>	<b>0.509</b>	<b>9.60</b>	<b>33.35</b>	-	<b>42.95</b>	-	<b>56.00</b>	<b>46.00</b>	<b>-13.05</b>	-
5	1.436	9.64	14.44	-	24.08	-	56.00	46.00	-31.92	-
6	22.595	10.10	20.22	-	30.32	-	60.00	50.00	-29.68	-

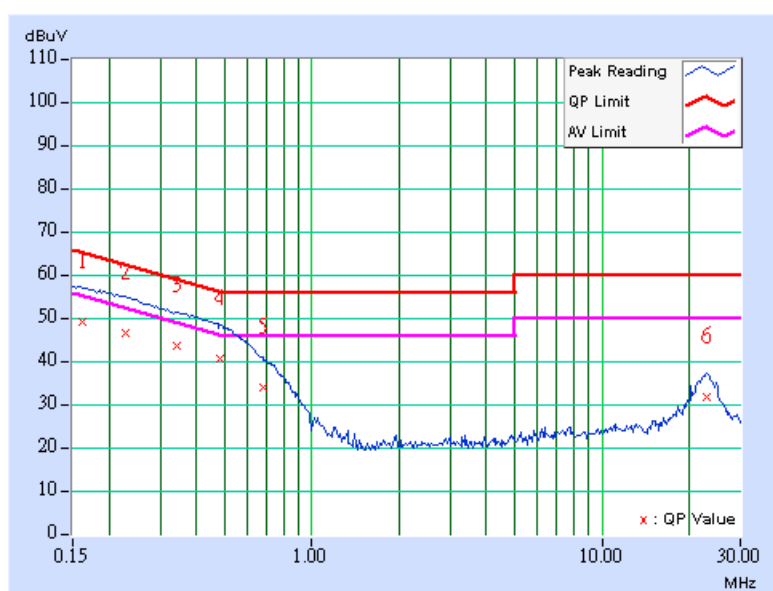
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH189 (HSDPA 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	B (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.162	9.60	39.34	-	48.94	-	65.38	55.38	-16.44	-
2	0.228	9.60	36.74	-	46.34	-	62.52	52.52	-16.18	-
3	0.342	9.60	33.60	-	43.20	-	59.16	49.16	-15.96	-
4	0.482	9.60	30.70	-	40.30	-	56.30	46.30	-16.00	-
5	0.683	9.60	23.80	-	33.40	-	56.00	46.00	-22.60	-
6	23.017	10.10	21.59	-	31.69	-	60.00	50.00	-28.31	-

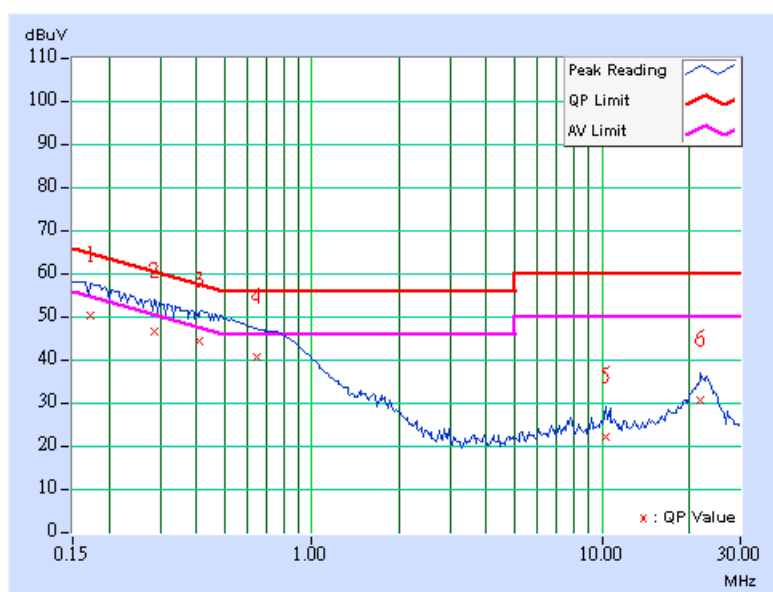
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (EDGE 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	C (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	9.60	40.20	-	49.80	-	64.79	54.79	-14.99	-
2	0.287	9.60	36.54	-	46.14	-	60.62	50.62	-14.48	-
3	0.412	9.60	34.23	-	43.83	-	57.61	47.61	-13.78	-
4	0.646	9.60	30.72	-	40.32	-	56.00	46.00	-15.68	-
5	10.353	9.91	12.06	-	21.97	-	60.00	50.00	-38.03	-
6	21.957	10.10	20.63	-	30.73	-	60.00	50.00	-29.27	-

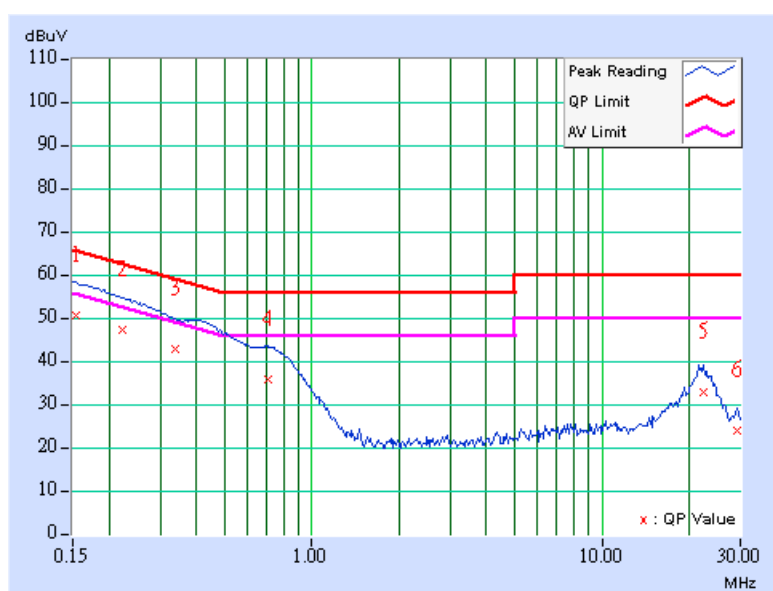
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (EDGE 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	C (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	9.60	40.58	-	50.18	-	65.77	55.77	-15.59	-
2	0.222	9.60	37.42	-	47.02	-	62.75	52.75	-15.73	-
3	0.338	9.60	32.90	-	42.50	-	59.26	49.26	-16.76	-
4	0.706	9.60	25.96	-	35.56	-	56.00	46.00	-20.44	-
5	22.306	10.10	22.69	-	32.79	-	60.00	50.00	-27.21	-
6	29.235	10.10	13.93	-	24.03	-	60.00	50.00	-35.97	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.

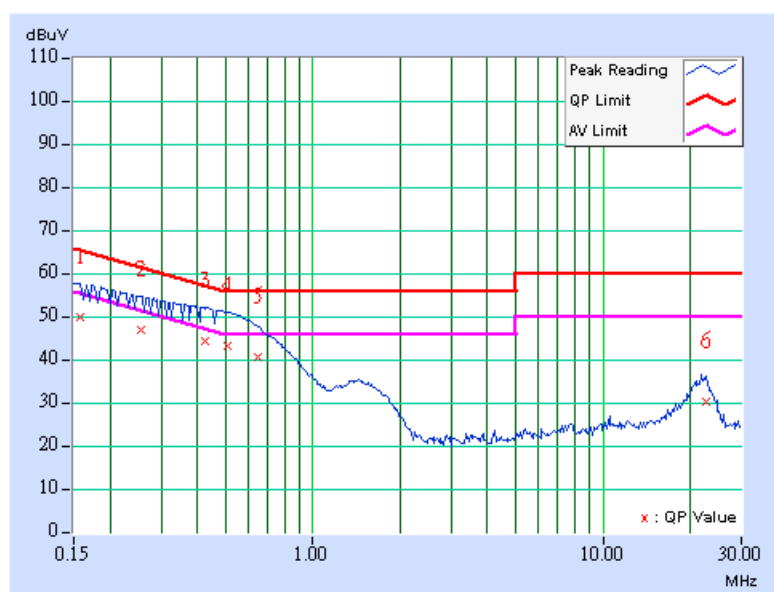




<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (EDGE 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	C (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	9.60	39.86	-	49.46	-	65.57	55.57	-16.11	-
2	0.256	9.60	36.90	-	46.50	-	61.57	51.57	-15.07	-
3	0.423	9.60	34.35	-	43.95	-	57.38	47.38	-13.43	-
<b>4</b>	<b>0.510</b>	<b>9.60</b>	<b>33.35</b>	-	<b>42.95</b>	-	<b>56.00</b>	<b>46.00</b>	<b>-13.05</b>	-
5	0.646	9.60	30.72	-	40.32	-	56.00	46.00	-15.68	-
6	22.594	10.10	20.22	-	30.32	-	60.00	50.00	-29.68	-

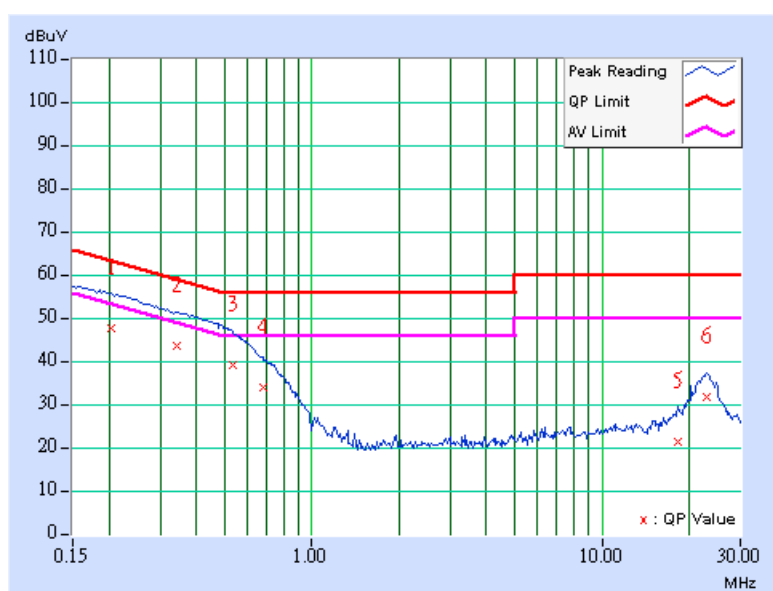
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (EDGE 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	C (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.205	9.60	37.66	-	47.26	-	63.42	53.42	-16.16	-
2	0.341	9.60	33.60	-	43.20	-	59.17	49.17	-15.97	-
3	0.533	9.60	29.20	-	38.80	-	56.00	46.00	-17.20	-
4	0.681	9.60	23.80	-	33.40	-	56.00	46.00	-22.60	-
5	18.234	10.06	11.43	-	21.49	-	60.00	50.00	-38.51	-
6	23.017	10.10	21.59	-	31.69	-	60.00	50.00	-28.31	-

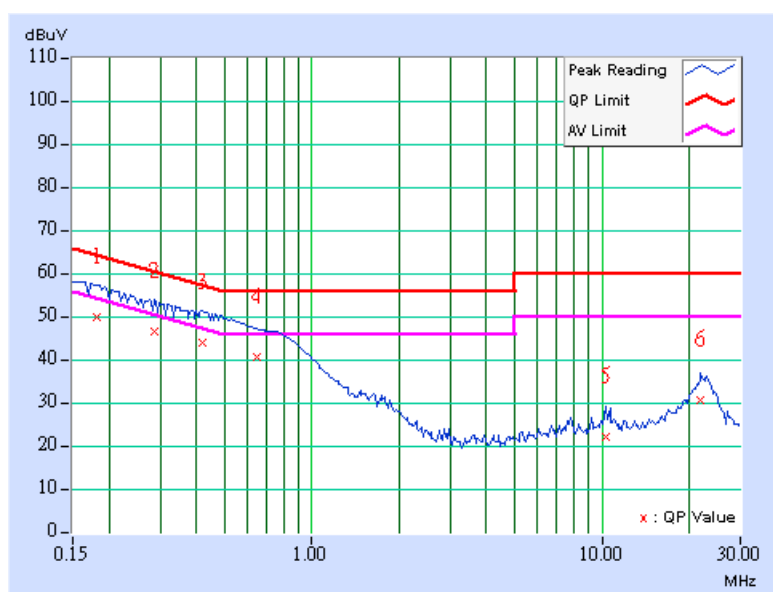
- REMARKS:**
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  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (HSDPA 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	D (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	9.60	39.82	-	49.42	-	64.44	54.44	-15.02	-
2	0.287	9.60	36.54	-	46.14	-	60.62	50.62	-14.48	-
3	0.419	9.60	33.87	-	43.47	-	57.46	47.46	-13.99	-
4	0.646	9.60	30.72	-	40.32	-	56.00	46.00	-15.68	-
5	10.353	9.91	12.06	-	21.97	-	60.00	50.00	-38.03	-
6	21.957	10.10	20.49	-	30.59	-	60.00	50.00	-29.41	-

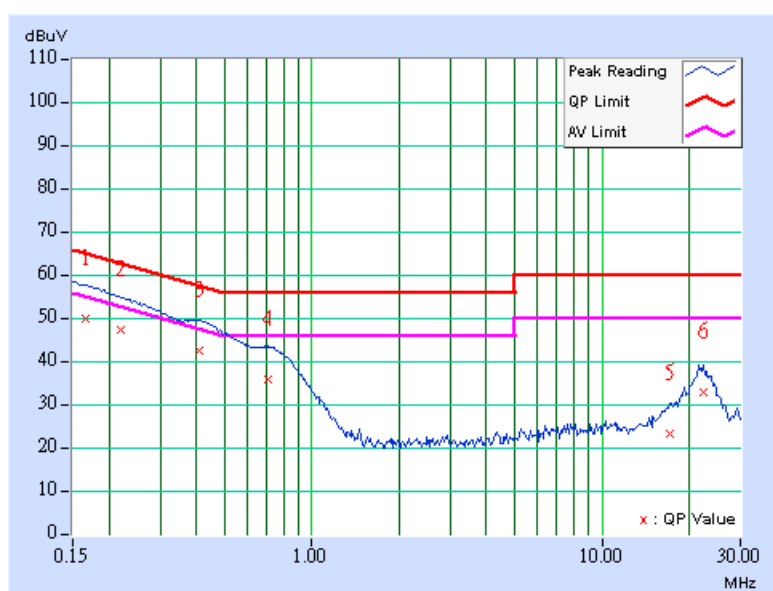
- REMARKS:**
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  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (HSDPA 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	D (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	9.60	39.98	-	49.58	-	65.18	55.18	-15.60	-
2	0.220	9.60	37.42	-	47.02	-	62.81	52.81	-15.79	-
3	0.408	9.60	32.49	-	42.09	-	57.69	47.69	-15.60	-
4	0.709	9.60	25.96	-	35.56	-	56.00	46.00	-20.44	-
5	17.199	10.04	13.08	-	23.12	-	60.00	50.00	-36.88	-
6	22.305	10.10	22.69	-	32.79	-	60.00	50.00	-27.21	-

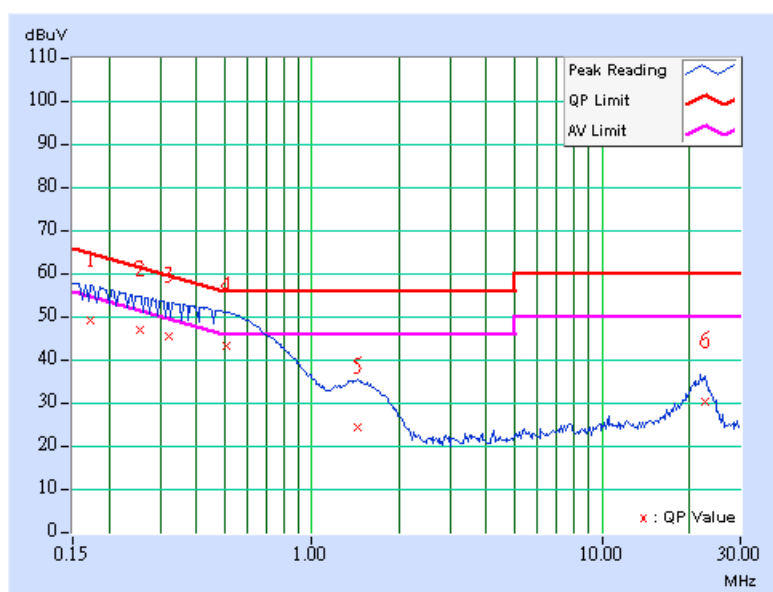
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  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (HSDPA 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	D (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	9.60	39.04	-	48.64	-	64.79	54.79	-16.15	-
2	0.256	9.60	36.90	-	46.50	-	61.57	51.57	-15.07	-
3	0.322	9.60	35.40	-	45.00	-	59.66	49.66	-14.66	-
<b>4</b>	<b>0.510</b>	<b>9.60</b>	<b>33.35</b>	-	<b>42.95</b>	-	<b>56.00</b>	<b>46.00</b>	<b>-13.05</b>	-
5	1.435	9.64	14.44	-	24.08	-	56.00	46.00	-31.92	-
6	22.594	10.10	20.22	-	30.32	-	60.00	50.00	-29.68	-

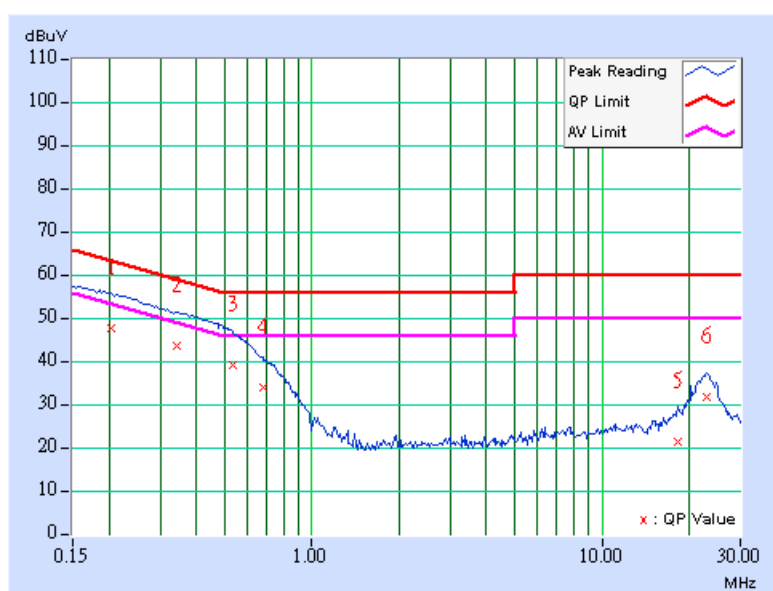
- REMARKS:**
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  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (HSDPA 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	D (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.204	9.60	37.66	-	47.26	-	63.44	53.44	-16.18	-
2	0.342	9.60	33.60	-	43.20	-	59.16	49.16	-15.96	-
3	0.533	9.60	29.20	-	38.80	-	56.00	46.00	-17.20	-
4	0.683	9.60	23.80	-	33.40	-	56.00	46.00	-22.60	-
5	18.234	10.06	11.43	-	21.49	-	60.00	50.00	-38.51	-
6	23.017	10.10	21.59	-	31.69	-	60.00	50.00	-28.31	-

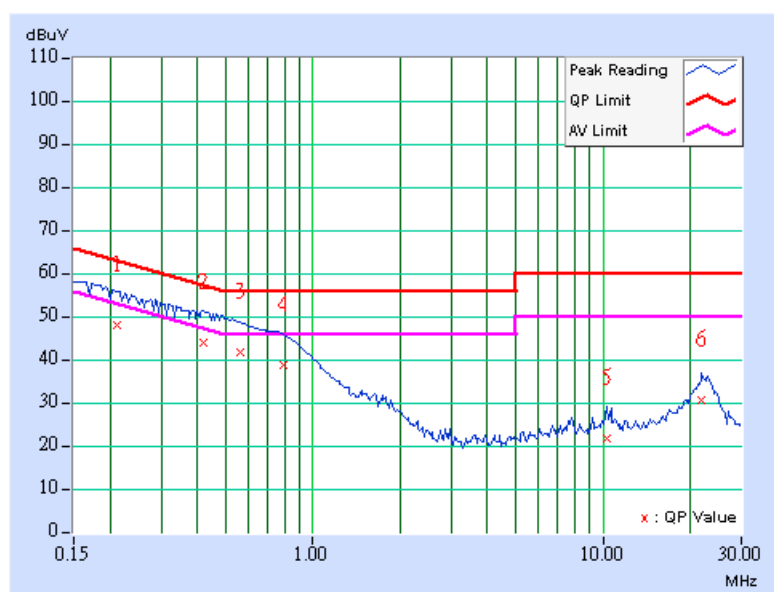
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH661 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	E (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.213	9.60	38.06	-	47.66	-	63.11	53.11	-15.45	-
2	0.420	9.60	33.87	-	43.47	-	57.46	47.46	-13.99	-
3	0.560	9.60	31.84	-	41.44	-	56.00	46.00	-14.56	-
4	0.795	9.60	28.74	-	38.34	-	56.00	46.00	-17.66	-
5	10.332	9.91	11.65	-	21.56	-	60.00	50.00	-38.44	-
6	21.957	10.10	20.49	-	30.59	-	60.00	50.00	-29.41	-

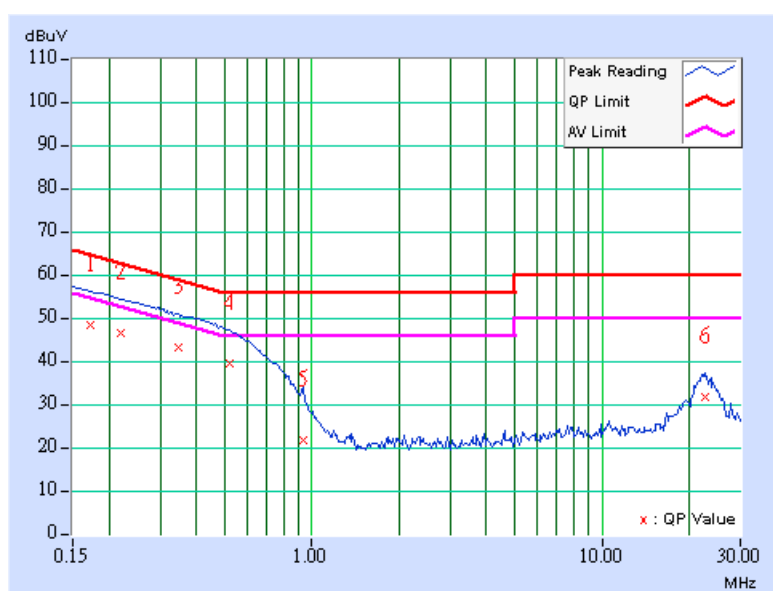
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH661 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	E (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	9.60	38.44	-	48.04	-	64.79	54.79	-16.75	-
2	0.220	9.60	36.72	-	46.32	-	62.81	52.81	-16.49	-
3	0.345	9.60	33.30	-	42.90	-	59.07	49.07	-16.17	-
4	0.521	9.60	29.51	-	39.11	-	56.00	46.00	-16.89	-
5	0.931	9.60	11.85	-	21.45	-	56.00	46.00	-34.55	-
6	22.641	10.10	21.83	-	31.93	-	60.00	50.00	-28.07	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.

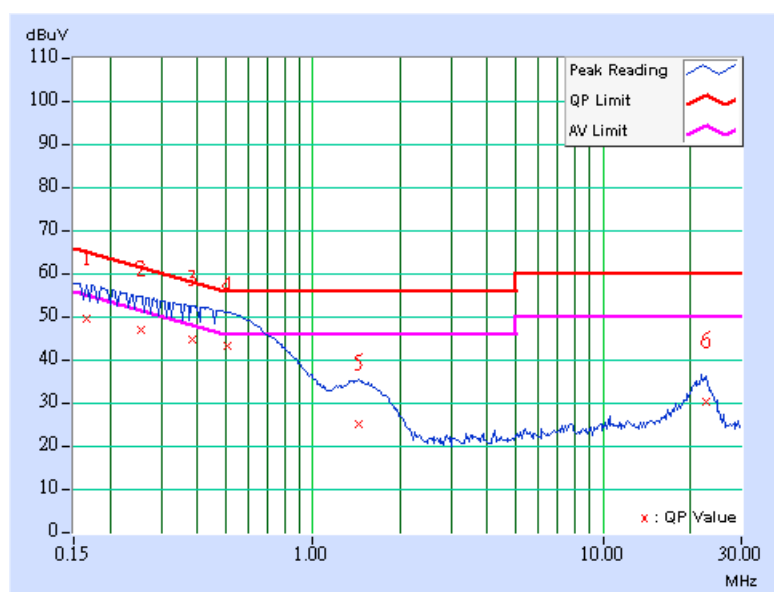




<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH661 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	E (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	9.60	39.68	-	49.28	-	65.18	55.18	-15.90	-
2	0.255	9.60	36.90	-	46.50	-	61.58	51.58	-15.08	-
3	0.384	9.60	34.79	-	44.39	-	58.18	48.18	-13.79	-
<b>4</b>	<b>0.509</b>	<b>9.60</b>	<b>33.35</b>	-	<b>42.95</b>	-	<b>56.00</b>	<b>46.00</b>	<b>-13.05</b>	-
5	1.435	9.64	15.15	-	24.79	-	56.00	46.00	-31.21	-
6	22.594	10.10	20.22	-	30.32	-	60.00	50.00	-29.68	-

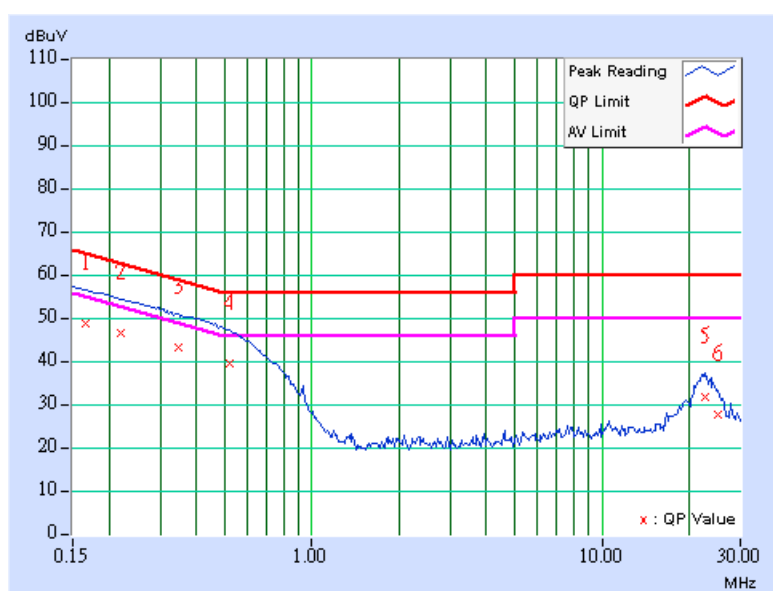
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH661 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	E (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	9.60	38.96	-	48.56	-	65.18	55.18	-16.62	-
2	0.220	9.60	36.72	-	46.32	-	62.80	52.80	-16.48	-
3	0.345	9.60	33.30	-	42.90	-	59.07	49.07	-16.17	-
4	0.522	9.60	29.51	-	39.11	-	56.00	46.00	-16.89	-
5	22.641	10.10	21.83	-	31.93	-	60.00	50.00	-28.07	-
6	25.016	10.10	17.72	-	27.82	-	60.00	50.00	-32.18	-

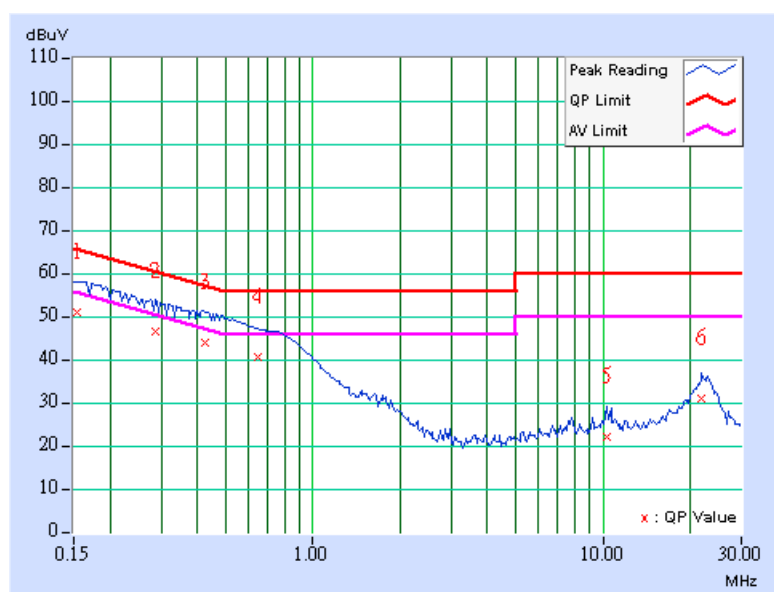
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH190 (GSM 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	F (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	9.60	41.10	-	50.70	-	65.79	55.79	-15.09	-
2	0.287	9.60	36.54	-	46.14	-	60.62	50.62	-14.48	-
3	0.423	9.60	34.03	-	43.63	-	57.38	47.38	-13.75	-
4	0.646	9.60	30.72	-	40.32	-	56.00	46.00	-15.68	-
5	10.353	9.91	12.06	-	21.97	-	60.00	50.00	-38.03	-
6	21.957	10.10	20.92	-	31.02	-	60.00	50.00	-28.98	-

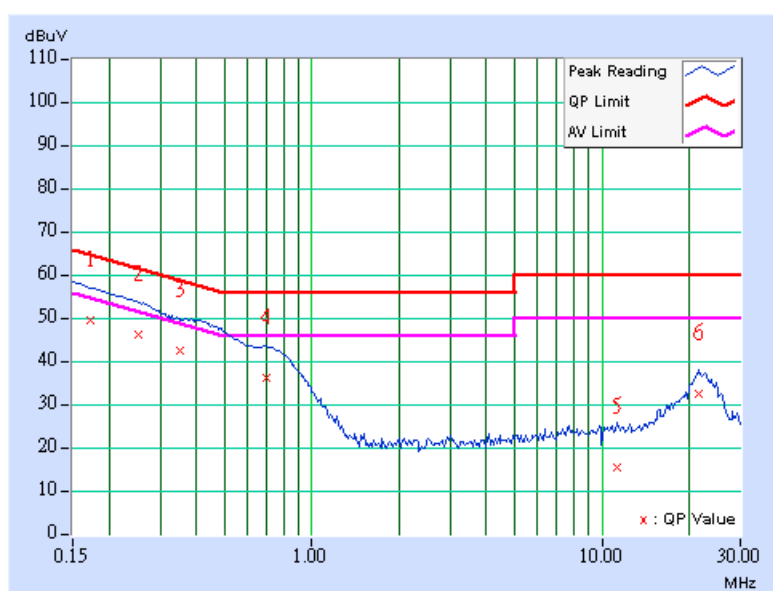
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH190 (GSM 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	F (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.173	9.60	39.45	-	49.05	-	64.79
2	0.252	9.60	36.08	-	45.68	-	61.71	51.71	-16.03	-
3	0.349	9.60	32.66	-	42.26	-	58.98	48.98	-16.72	-
4	0.697	9.60	26.20	-	35.80	-	56.00	46.00	-20.20	-
5	11.316	9.93	5.34	-	15.27	-	60.00	50.00	-44.73	-
6	21.480	10.10	22.34	-	32.44	-	60.00	50.00	-27.56	-

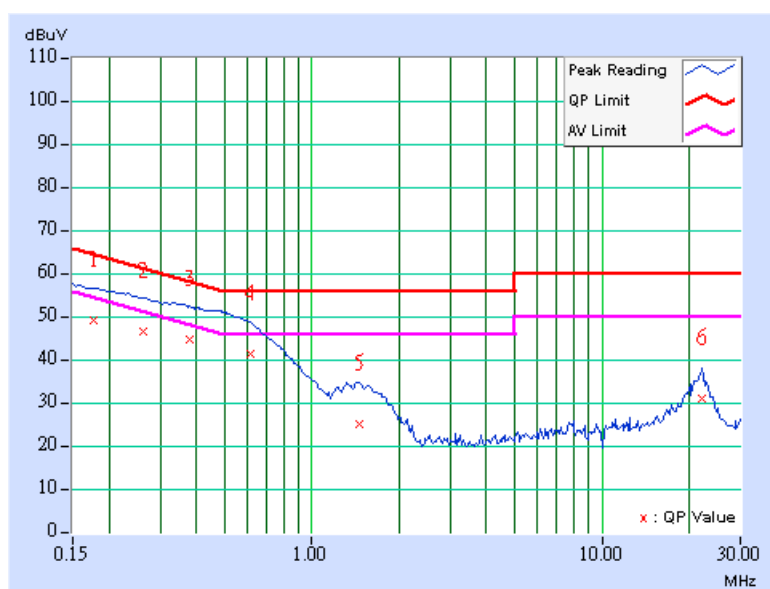
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH190 (GSM 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	F (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	9.60	39.04	-	48.64	-	64.61	54.61	-15.97	-
2	0.263	9.60	36.56	-	46.16	-	61.33	51.33	-15.17	-
3	0.380	9.60	34.73	-	44.33	-	58.27	48.27	-13.94	-
4	0.611	9.60	31.53	-	41.13	-	56.00	46.00	-14.87	-
5	1.451	9.65	14.95	-	24.60	-	56.00	46.00	-31.40	-
6	22.238	10.10	20.85	-	30.95	-	60.00	50.00	-29.05	-

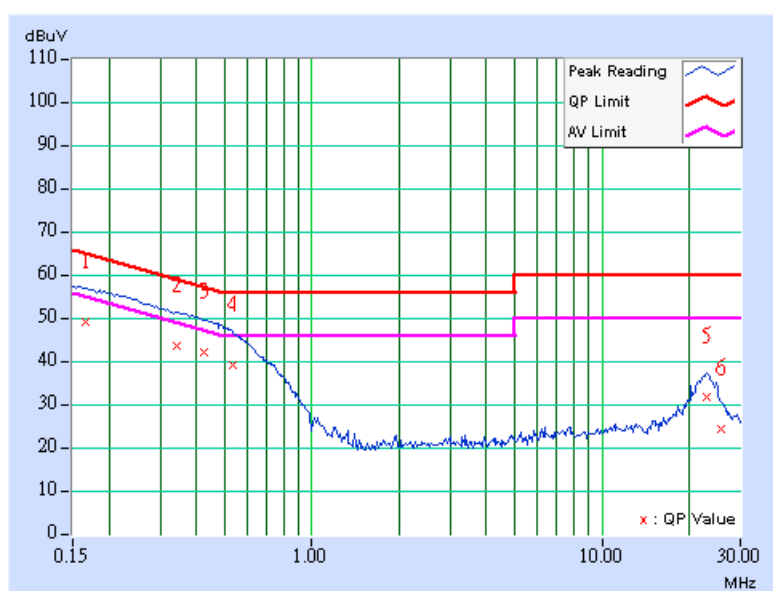
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH190 (GSM 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	F (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	9.60	39.12	-	48.72	-	65.18	55.18	-16.46	-
2	0.341	9.60	33.60	-	43.20	-	59.17	49.17	-15.97	-
3	0.423	9.60	32.01	-	41.61	-	57.38	47.38	-15.77	-
4	0.533	9.60	29.20	-	38.80	-	56.00	46.00	-17.20	-
5	23.016	10.10	21.59	-	31.69	-	60.00	50.00	-28.31	-
6	25.734	10.10	14.45	-	24.55	-	60.00	50.00	-35.45	-

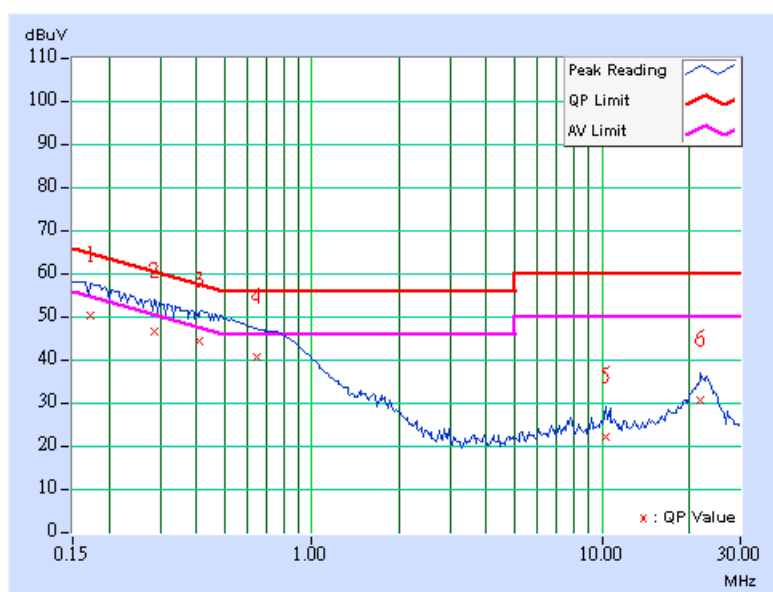
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	G (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	9.60	40.20	-	49.80	-	64.80	54.80	-15.00	-
2	0.287	9.60	36.54	-	46.14	-	60.62	50.62	-14.48	-
3	0.411	9.60	34.23	-	43.83	-	57.62	47.62	-13.79	-
4	0.646	9.60	30.72	-	40.32	-	56.00	46.00	-15.68	-
5	10.353	9.91	12.06	-	21.97	-	60.00	50.00	-38.03	-
6	21.957	10.10	20.63	-	30.73	-	60.00	50.00	-29.27	-

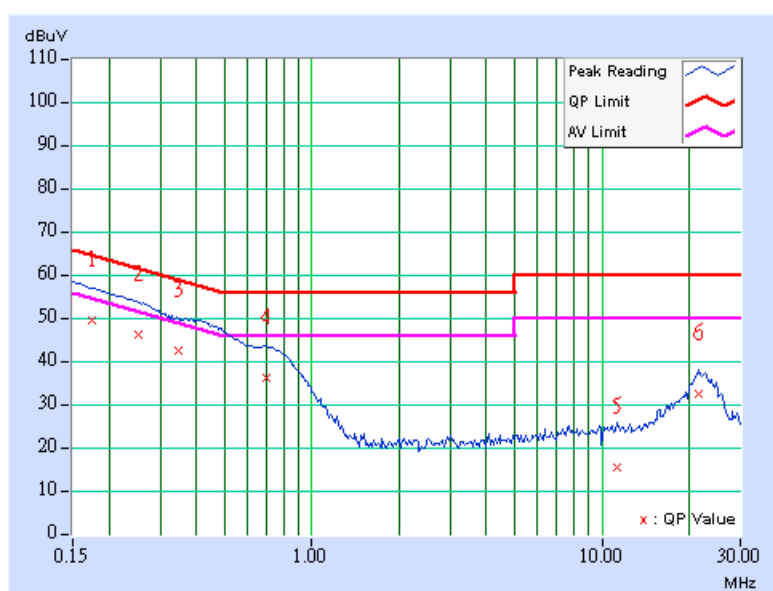
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	G (with Adapter 1)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.174	9.60	39.45	-	49.05	-	64.78	54.78	-15.73	-
2	0.252	9.60	36.08	-	45.68	-	61.71	51.71	-16.03	-
3	0.348	9.60	32.66	-	42.26	-	59.02	49.02	-16.76	-
4	0.697	9.60	26.20	-	35.80	-	56.00	46.00	-20.20	-
5	11.316	9.93	5.34	-	15.27	-	60.00	50.00	-44.73	-
6	21.481	10.10	22.34	-	32.44	-	60.00	50.00	-27.56	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.

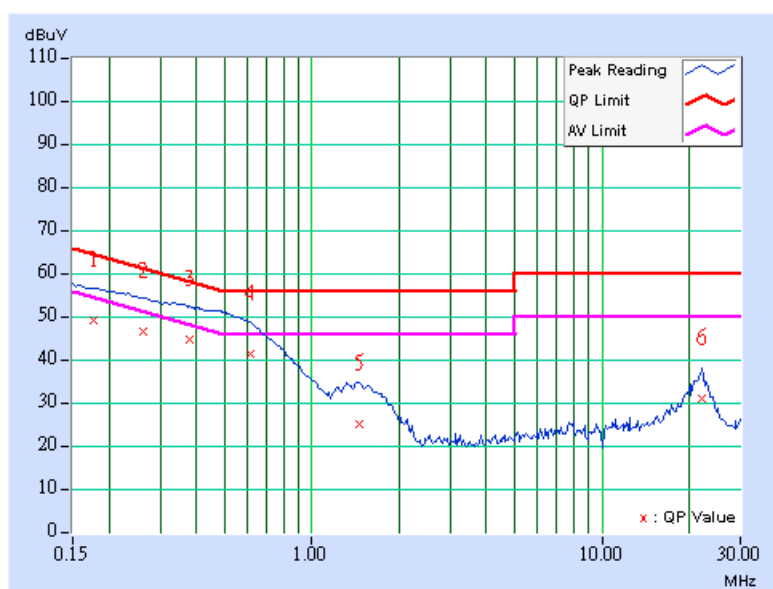




<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Line (L)	<b>TEST MODE</b>	G (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.178	9.60	39.04	-	48.62	-	64.61	54.61	-15.97	-
2	0.263	9.60	36.56	-	46.42	-	61.33	51.33	-15.17	-
3	0.381	9.60	34.73	-	44.58	-	58.27	48.27	-13.94	-
4	0.611	9.60	31.53	-	41.85	-	56.00	46.00	-14.87	-
5	1.451	9.65	14.95	-	24.66	-	56.00	46.00	-31.40	-
6	22.239	10.10	20.85	-	30.76	-	60.00	50.00	-29.05	-

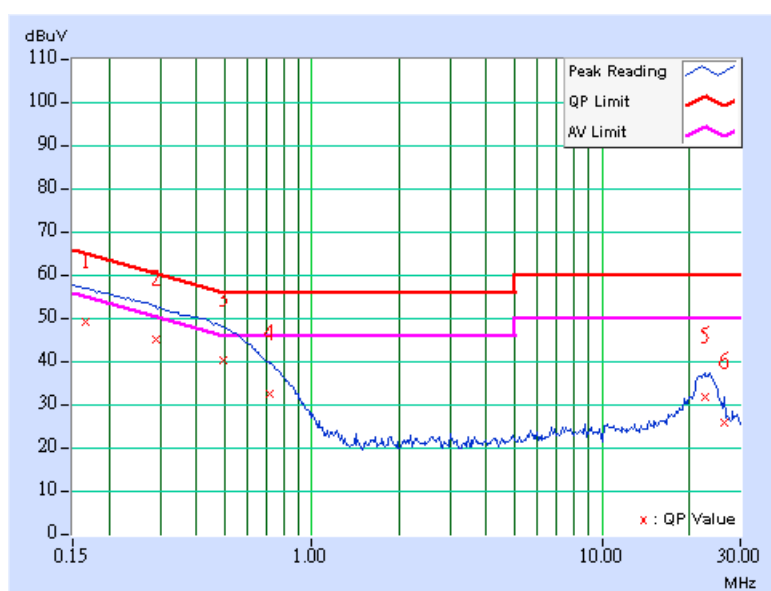
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	16deg. C, 66%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>PHASE</b>	Neutral (N)	<b>TEST MODE</b>	G (with Adapter 2)
<b>TESTED BY</b>	Sky Liao		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	9.60	39.14	-	48.74	-	65.18	55.18	-16.44	-
2	0.291	9.60	34.94	-	44.54	-	60.51	50.51	-15.97	-
3	0.498	9.60	30.21	-	39.81	-	56.04	46.04	-16.23	-
4	0.713	9.60	22.53	-	32.13	-	56.00	46.00	-23.87	-
5	22.699	10.10	21.78	-	31.88	-	60.00	50.00	-28.12	-
6	26.285	10.10	15.89	-	25.99	-	60.00	50.00	-34.01	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.



## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

**NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

#### 4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
ADVANTEST Spectrum Analyzer	R3271A	85060311	July 07, 2006
HP Pre_Amplifier	8449B	3008A01922	Oct. 02, 2006
ROHDE & SCHWARZ Test Receiver	ESCS30	100375	Sep. 19, 2006
CHASE Broadband Antenna	VULB9168	138	Dec. 11, 2006
Schwarzbeck Horn_Antenna	BBHA9120	D124	Dec. 27, 2006
Schwarzbeck Horn_Antenna	BBHA 9170	BBHA9170153	Jan. 05, 2007
SCHWARZBECK Biconical Antenna	VHBA9123	459	Jun. 26, 2006
SCHWARZBECK Periodic Antenna	UPA6108	1148	Jun. 26, 2006
RF Switches (ARNITSU)	CS-201	1565157	NA
RF CABLE (Chaintek)	SF102	22054-2	Nov. 16. 2006
RF Cable(RICHTEC)	9913-30M N-N Cable	STCCAB-30M-1GHz	Jul. 16, 2006
Software	ADT_Radiated_V 5.14	NA	NA
CHANCE MOST Antenna Tower	AT-100	0203	NA
CHANCE MOST Turn Table	TT-100	0203	NA

Note: 1. The calibration interval of the above test instruments is 12 months (36 months for Periodic Antenna) and the calibrations are traceable to NML/ROC and NIST/USA.

2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3. The test was performed in ADT Open Site No. C.
4. The FCC Site Registration No. is 656396.
5. The VCCI Site Registration No. is R-1626.
6. The CANADA Site Registration No. is IC 4824-3.
7. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Radiated emissions (30MHz-1GHz)	2.98 dB
Radiated emissions (1GHz ~18GHz)	2.21 dB
Radiated emissions (18GHz ~40GHz)	1.88 dB

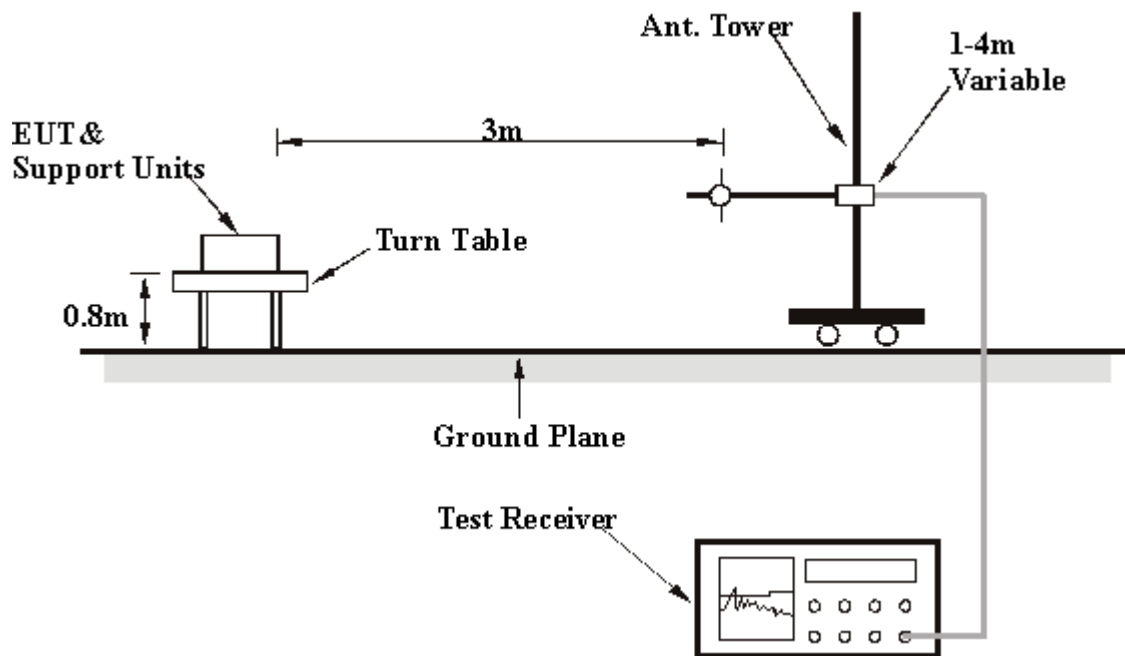
#### 4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

**NOTE:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

#### 4.2.4 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

#### 4.2.5 EUT OPERATING CONDITIONS

Same as 4.1.5

#### 4.2.6 TEST RESULTS

##### Below 1GHz Worst-Case Data

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH251 (DEGE 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	A (with Adapter 1)
<b>TESTED BY</b>	Wen Yu		

##### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.02	34.00 QP	46.00	-12.00	1.05 H	72	20.20	13.80
2	300.02	41.80 QP	46.00	-4.20	1.16 H	105	25.00	16.80
3	366.82	41.20 QP	46.00	-4.80	1.07 H	85	23.30	17.90
4	400.00	42.60 QP	46.00	-3.40	1.16 H	28	23.60	19.00
5	500.00	38.50 QP	46.00	-7.50	1.25 H	62	16.70	21.80
6	600.00	38.90 QP	46.00	-7.10	1.32 H	108	14.40	24.50
7	800.00	30.10 QP	46.00	-15.90	1.25 H	142	2.50	27.60
8	900.00	31.60 QP	46.00	-14.40	1.22 H	158	2.80	28.90

##### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	33.40 QP	46.00	-12.60	1.12 V	182	19.60	13.80
2	300.01	32.70 QP	46.00	-13.30	1.38 V	314	15.90	16.80
3	366.68	36.10 QP	46.00	-9.90	1.33 V	312	18.20	17.90
4	400.00	40.60 QP	46.00	-5.40	1.58 V	262	21.60	19.00
5	500.00	38.20 QP	46.00	-7.80	1.26 V	225	16.40	21.80
6	600.00	38.40 QP	46.00	-7.60	1.38 V	166	13.90	24.50
7	800.00	32.40 QP	46.00	-13.60	1.13 V	162	4.80	27.60
8	900.00	33.60 QP	46.00	-12.40	1.12 V	124	4.80	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH251 (DEGE 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	A (with Adapter 2)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	33.60 QP	46.00	-12.40	1.08 H	102	19.80	13.80
2	300.00	41.20 QP	46.00	-4.80	1.22 H	120	24.40	16.80
3	366.82	40.80 QP	46.00	-5.20	1.02 H	72	22.90	17.90
4	400.00	42.20 QP	46.00	-3.80	1.14 H	72	23.20	19.00
5	500.00	38.20 QP	46.00	-7.80	1.26 H	96	16.40	21.80
6	600.00	38.40 QP	46.00	-7.60	1.22 H	75	13.90	24.50
7	800.00	30.60 QP	46.00	-15.40	1.31 H	158	3.00	27.60
8	900.00	31.40 QP	46.00	-14.60	1.20 H	147	2.50	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	33.50 QP	46.00	-12.50	1.11 V	162	19.70	13.80
2	300.00	32.40 QP	46.00	-13.60	1.24 V	342	15.60	16.80
3	366.68	36.40 QP	46.00	-9.60	1.26 V	282	18.50	17.90
4	400.00	40.80 QP	46.00	-5.20	1.43 V	252	21.80	19.00
5	500.00	38.20 QP	46.00	-7.80	1.28 V	214	16.40	21.80
6	600.00	38.20 QP	46.00	-7.80	1.32 V	152	13.70	24.50
7	800.00	32.80 QP	46.00	-13.20	1.20 V	158	5.20	27.60
8	900.00	33.40 QP	46.00	-12.60	1.05 V	162	4.50	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.





**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH189 (HSDPA 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	B (with Adapter 1)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.02	32.90 QP	46.00	-13.10	1.07 H	70	19.10	13.80
2	300.02	40.80 QP	46.00	-5.20	1.19 H	109	24.00	16.80
3	366.82	42.20 QP	46.00	-3.80	1.04 H	87	24.30	17.90
4	400.00	40.60 QP	46.00	-5.40	1.28 H	24	21.60	19.00
5	500.00	40.50 QP	46.00	-5.50	1.23 H	65	18.70	21.80
6	600.00	37.70 QP	46.00	-8.30	1.35 H	105	13.20	24.50
7	800.00	29.10 QP	46.00	-16.90	1.27 H	138	1.50	27.60
8	900.00	31.80 QP	46.00	-14.20	1.20 H	160	2.90	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.40 QP	46.00	-11.60	1.08 V	187	20.60	13.80
2	300.01	33.70 QP	46.00	-12.30	1.35 V	319	16.90	16.80
3	366.68	37.10 QP	46.00	-8.90	1.28 V	317	19.20	17.90
4	400.00	39.60 QP	46.00	-6.40	1.68 V	272	20.60	19.00
5	500.00	38.10 QP	46.00	-7.90	1.29 V	228	16.30	21.80
6	600.00	37.30 QP	46.00	-8.70	1.42 V	173	12.80	24.50
7	800.00	34.40 QP	46.00	-11.60	1.10 V	166	6.80	27.60
8	900.00	34.20 QP	46.00	-11.80	1.09 V	127	5.40	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH189 (HSDPA 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	B (with Adapter 2)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	35.60 QP	46.00	-10.40	1.10 H	107	21.80	13.80
2	300.00	41.60 QP	46.00	-4.40	1.25 H	125	24.80	16.80
3	366.82	40.90 QP	46.00	-5.10	1.22 H	172	23.00	17.90
4	400.00	42.10 QP	46.00	-3.90	1.18 H	76	23.10	19.00
5	500.00	39.20 QP	46.00	-6.80	1.21 H	101	17.40	21.80
6	600.00	39.40 QP	46.00	-6.60	1.20 H	77	14.90	24.50
7	800.00	31.60 QP	46.00	-14.40	1.30 H	161	4.00	27.60
8	900.00	32.40 QP	46.00	-13.60	1.19 H	149	3.50	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	33.80 QP	46.00	-12.20	1.15 V	164	20.00	13.80
2	300.00	31.90 QP	46.00	-14.10	1.22 V	346	15.10	16.80
3	366.68	36.80 QP	46.00	-9.20	1.24 V	285	18.90	17.90
4	400.00	40.90 QP	46.00	-5.10	1.40 V	256	21.90	19.00
5	500.00	38.80 QP	46.00	-7.20	1.24 V	218	17.00	21.80
6	600.00	38.60 QP	46.00	-7.40	1.30 V	156	14.10	24.50
7	800.00	33.80 QP	46.00	-12.20	1.19 V	157	6.20	27.60
8	900.00	34.40 QP	46.00	-11.60	1.15 V	152	5.50	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (EDGE 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	C (with Adapter 1)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.02	33.70 QP	46.00	-12.30	1.11 H	81	19.90	13.80
2	300.02	42.80 QP	46.00	-3.20	1.16 H	113	26.00	16.80
<b>3</b>	<b>366.82</b>	<b>43.90 QP</b>	<b>46.00</b>	<b>-2.10</b>	<b>1.06 H</b>	<b>89</b>	<b>26.00</b>	<b>17.90</b>
4	400.00	39.90 QP	46.00	-6.10	1.31 H	27	20.90	19.00
5	500.00	39.50 QP	46.00	-6.50	1.25 H	69	17.70	21.80
6	600.00	36.60 QP	46.00	-9.40	1.37 H	103	12.10	24.50
7	800.00	31.10 QP	46.00	-14.90	1.29 H	136	3.50	27.60
8	900.00	33.80 QP	46.00	-12.20	1.16 H	157	4.90	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	35.10 QP	46.00	-10.90	1.12 V	182	21.30	13.80
2	300.01	34.50 QP	46.00	-11.50	1.30 V	323	17.70	16.80
3	366.68	38.80 QP	46.00	-7.20	1.31 V	314	20.90	17.90
4	400.00	39.80 QP	46.00	-6.20	1.67 V	277	20.80	19.00
5	500.00	37.80 QP	46.00	-8.20	1.28 V	231	16.00	21.80
6	600.00	36.30 QP	46.00	-9.70	1.12 V	153	11.80	24.50
7	800.00	35.40 QP	46.00	-10.60	1.08 V	170	7.80	27.60
8	900.00	33.20 QP	46.00	-12.80	1.08 V	130	4.40	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (EDGE 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	C (with Adapter 2)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	35.90 QP	46.00	-10.10	1.20 H	137	22.10	13.80
2	300.00	40.90 QP	46.00	-5.10	1.29 H	119	24.10	16.80
3	366.82	41.90 QP	46.00	-4.10	1.20 H	177	24.00	17.90
4	400.00	42.60 QP	46.00	-3.40	1.20 H	74	23.60	19.00
5	500.00	39.50 QP	46.00	-6.50	1.23 H	131	17.70	21.80
6	600.00	38.10 QP	46.00	-7.90	1.23 H	74	13.60	24.50
7	800.00	33.60 QP	46.00	-12.40	1.35 H	165	6.00	27.60
8	900.00	33.50 QP	46.00	-12.50	1.23 H	156	4.60	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.20 QP	46.00	-11.80	1.16 V	160	20.40	13.80
2	300.00	30.80 QP	46.00	-15.20	1.23 V	343	14.00	16.80
3	366.68	36.90 QP	46.00	-9.10	1.20 V	289	19.00	17.90
4	400.00	41.00 QP	46.00	-5.00	1.37 V	259	22.00	19.00
5	500.00	38.90 QP	46.00	-7.10	1.20 V	222	17.10	21.80
6	600.00	39.10 QP	46.00	-6.90	1.32 V	152	14.60	24.50
7	800.00	34.10 QP	46.00	-11.90	1.22 V	159	6.50	27.60
8	900.00	33.70 QP	46.00	-12.30	1.13 V	155	4.90	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.

**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (HSDPA 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	D (with Adapter 1)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.02	32.20 QP	46.00	-13.80	1.16 H	87	18.40	13.80
2	300.02	43.10 QP	46.00	-2.90	1.13 H	116	26.30	16.80
3	366.82	42.70 QP	46.00	-3.30	1.04 H	93	24.80	17.90
4	400.00	40.90 QP	46.00	-5.10	1.29 H	30	21.90	19.00
5	500.00	40.50 QP	46.00	-5.50	1.23 H	73	18.70	21.80
6	600.00	36.70 QP	46.00	-9.30	1.36 H	107	12.20	24.50
7	800.00	32.10 QP	46.00	-13.90	1.27 H	138	4.50	27.60
8	900.00	34.80 QP	46.00	-11.20	1.14 H	159	5.90	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.60 QP	46.00	-11.40	1.10 V	191	20.80	13.80
2	300.01	32.90 QP	46.00	-13.10	1.33 V	328	16.10	16.80
3	366.68	39.20 QP	46.00	-6.80	1.29 V	317	21.30	17.90
4	400.00	39.40 QP	46.00	-6.60	1.69 V	271	20.40	19.00
5	500.00	38.30 QP	46.00	-7.70	1.29 V	227	16.50	21.80
6	600.00	36.80 QP	46.00	-9.20	1.14 V	149	12.30	24.50
7	800.00	34.20 QP	46.00	-11.80	1.10 V	167	6.60	27.60
8	900.00	32.90 QP	46.00	-13.10	1.10 V	132	4.00	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.

**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (HSDPA 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	D (with Adapter 2)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	35.70 QP	46.00	-10.30	1.10 H	160	21.90	13.80
2	300.00	41.90 QP	46.00	-4.10	1.19 H	139	25.10	16.80
3	366.82	40.80 QP	46.00	-5.20	1.22 H	179	22.90	17.90
4	400.00	42.80 QP	46.00	-3.20	1.19 H	78	23.80	19.00
5	500.00	39.60 QP	46.00	-6.40	1.21 H	133	17.80	21.80
6	600.00	38.40 QP	46.00	-7.60	1.21 H	76	13.90	24.50
7	800.00	33.20 QP	46.00	-12.80	1.33 H	169	5.60	27.60
8	900.00	32.30 QP	46.00	-13.70	1.21 H	162	3.40	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	33.90 QP	46.00	-12.10	1.13 V	166	20.10	13.80
2	300.00	31.10 QP	46.00	-14.90	1.20 V	346	14.30	16.80
3	366.68	37.20 QP	46.00	-8.80	1.17 V	293	19.30	17.90
4	400.00	42.20 QP	46.00	-3.80	1.36 V	263	23.20	19.00
5	500.00	39.30 QP	46.00	-6.70	1.16 V	226	17.50	21.80
6	600.00	37.90 QP	46.00	-8.10	1.34 V	147	13.40	24.50
7	800.00	33.60 QP	46.00	-12.40	1.24 V	162	6.00	27.60
8	900.00	34.70 QP	46.00	-11.30	1.17 V	156	5.90	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.

### Below 1GHz Worst-Case Data

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH661 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	E (with Adapter 1)
<b>TESTED BY</b>	Wen Yu		

### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.60 QP	46.00	-11.40	1.15 H	108	20.80	13.80
2	300.00	41.20 QP	46.00	-4.80	1.20 H	162	24.40	16.80
3	366.82	41.20 QP	46.00	-4.80	1.14 H	56	23.30	17.90
4	400.00	42.30 QP	46.00	-3.70	1.19 H	79	23.30	19.00
5	500.00	41.10 QP	46.00	-4.90	1.27 H	172	19.30	21.80
6	600.00	37.60 QP	46.00	-8.40	1.29 H	134	13.10	24.50
7	800.00	33.20 QP	46.00	-12.80	1.21 H	190	5.60	27.60
8	900.00	31.50 QP	46.00	-14.50	1.26 H	221	2.60	28.90

### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.10 QP	46.00	-11.90	1.25 V	157	20.30	13.80
2	300.00	35.10 QP	46.00	-10.90	1.08 V	277	18.30	16.80
3	366.68	36.70 QP	46.00	-9.30	1.30 V	64	18.80	17.90
4	400.00	42.30 QP	46.00	-3.70	1.02 V	256	23.30	19.00
5	500.00	38.70 QP	46.00	-7.30	1.25 V	47	16.90	21.80
6	600.00	36.80 QP	46.00	-9.20	1.25 V	127	12.30	24.50
7	800.00	32.10 QP	46.00	-13.90	1.20 V	162	4.50	27.60
8	900.00	32.90 QP	46.00	-13.10	1.28 V	119	4.00	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH661 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	E (with Adapter 2)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	35.30 QP	46.00	-10.70	1.00 H	62	21.50	13.80
2	300.01	43.30 QP	46.00	-2.70	1.14 H	143	26.50	16.80
3	366.82	41.20 QP	46.00	-4.80	1.05 H	70	23.30	17.90
4	400.00	42.60 QP	46.00	-3.40	1.22 H	88	23.60	19.00
5	500.00	37.70 QP	46.00	-8.30	1.21 H	31	15.90	21.80
6	600.00	36.90 QP	46.00	-9.10	1.20 H	124	12.40	24.50
7	800.00	34.10 QP	46.00	-11.90	1.38 H	159	6.50	27.60
8	900.00	32.40 QP	46.00	-13.60	1.19 H	135	3.50	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.90 QP	46.00	-11.10	1.10 V	175	21.10	13.80
2	300.00	31.80 QP	46.00	-14.20	1.25 V	320	15.00	16.80
3	366.68	36.00 QP	46.00	-10.00	1.25 V	20	18.10	17.90
4	400.00	42.20 QP	46.00	-3.80	1.23 V	217	23.20	19.00
5	500.00	39.10 QP	46.00	-6.90	1.29 V	210	17.30	21.80
6	600.00	36.90 QP	46.00	-9.10	1.18 V	164	12.40	24.50
7	800.00	32.90 QP	46.00	-13.10	1.20 V	149	5.30	27.60
8	900.00	32.90 QP	46.00	-13.10	1.24 V	119	4.00	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.





**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH190 (GSM 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	F (with Adapter 1)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.50 QP	46.00	-11.50	1.17 H	128	20.70	13.80
2	300.00	41.40 QP	46.00	-4.60	1.13 H	142	24.60	16.80
3	366.68	40.00 QP	46.00	-6.00	1.20 H	68	22.10	17.90
4	400.00	41.80 QP	46.00	-4.20	1.16 H	82	22.80	19.00
5	500.00	38.80 QP	46.00	-7.20	1.24 H	52	17.00	21.80
6	600.00	38.40 QP	46.00	-7.60	1.30 H	105	13.90	24.50
7	800.00	30.20 QP	46.00	-15.80	1.12 H	265	2.60	27.60
8	900.00	32.40 QP	46.00	-13.60	1.16 H	336	3.50	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	33.90 QP	46.00	-12.10	1.16 V	152	20.10	13.80
2	300.00	33.90 QP	46.00	-12.10	1.14 V	252	17.10	16.80
3	366.68	35.00 QP	46.00	-11.00	1.26 V	96	17.10	17.90
4	400.00	40.60 QP	46.00	-5.40	1.27 V	282	21.60	19.00
5	500.00	38.40 QP	46.00	-7.60	1.36 V	168	16.60	21.80
6	600.00	37.20 QP	46.00	-8.80	1.16 V	208	12.70	24.50
7	800.00	31.60 QP	46.00	-14.40	1.06 V	214	4.00	27.60
8	900.00	33.30 QP	46.00	-12.70	1.18 V	264	4.40	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH190 (GSM 850)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	F (with Adapter 2)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.10 QP	46.00	-11.90	1.10 H	162	20.30	13.80
2	300.00	41.60 QP	46.00	-4.40	1.16 H	172	24.80	16.80
3	366.68	39.60 QP	46.00	-6.40	1.24 H	18	21.70	17.90
4	400.00	41.60 QP	46.00	-4.40	1.12 H	168	22.60	19.00
5	500.00	38.40 QP	46.00	-7.60	1.38 H	15	16.60	21.80
6	600.00	38.20 QP	46.00	-7.80	1.18 H	206	13.70	24.50
7	800.00	30.80 QP	46.00	-15.20	1.25 H	216	3.20	27.60
8	900.00	32.90 QP	46.00	-13.10	1.15 H	318	4.00	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.20 QP	46.00	-11.80	1.12 V	68	20.40	13.80
2	300.00	33.20 QP	46.00	-12.80	1.08 V	48	16.40	16.80
3	366.68	35.50 QP	46.00	-10.50	1.33 V	108	17.60	17.90
4	400.00	40.20 QP	46.00	-5.80	1.30 V	246	21.20	19.00
5	500.00	38.00 QP	46.00	-8.00	1.24 V	152	16.20	21.80
6	600.00	37.80 QP	46.00	-8.20	1.25 V	262	13.30	24.50
7	800.00	36.60 QP	46.00	-9.40	1.18 V	295	9.00	27.60
8	900.00	32.60 QP	46.00	-13.40	1.08 V	226	3.80	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	G (with Adapter 1)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	32.20 QP	46.00	-13.80	1.16 H	139	18.40	13.80
2	300.00	42.80 QP	46.00	-3.20	1.12 H	151	26.00	16.80
3	366.68	40.50 QP	46.00	-5.50	1.16 H	83	22.60	17.90
4	400.00	41.90 QP	46.00	-4.10	1.19 H	105	22.90	19.00
5	500.00	35.50 QP	46.00	-10.50	1.26 H	71	13.70	21.80
6	600.00	35.70 QP	46.00	-10.30	1.27 H	117	11.20	24.50
7	800.00	33.10 QP	46.00	-12.90	1.14 H	277	5.50	27.60
8	900.00	34.10 QP	46.00	-11.90	1.15 H	347	5.20	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	33.80 QP	46.00	-12.20	1.19 V	148	7.90	25.90
2	300.00	32.40 QP	46.00	-13.60	1.17 V	264	6.50	25.90
3	366.68	34.60 QP	46.00	-11.40	1.22 V	110	8.70	25.90
4	400.00	40.30 QP	46.00	-5.70	1.21 V	286	14.40	25.90
5	500.00	37.50 QP	46.00	-8.50	1.35 V	181	11.60	25.90
6	600.00	37.70 QP	46.00	-8.30	1.08 V	220	11.80	25.90
7	800.00	33.10 QP	46.00	-12.90	1.05 V	218	7.20	25.90
8	900.00	33.30 QP	46.00	-12.70	1.20 V	261	7.40	25.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Below 1GHz Worst-Case Data**

<b>MODULATION TYPE</b>	BPSK	<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (GSM 1900)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 68%RH, 965hPa	<b>TRANSFER RATE</b>	6Mbps
<b>DETECTOR FUNCTION</b>	Quasi-Peak, 120kHz	<b>TEST MODE</b>	G (with Adapter 2)
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.00 QP	46.00	-12.00	1.21 H	182	20.20	13.80
2	300.00	42.40 QP	46.00	-3.60	1.15 H	177	25.60	16.80
3	366.68	38.30 QP	46.00	-7.70	1.30 H	28	20.40	17.90
4	400.00	42.70 QP	46.00	-3.30	1.11 H	180	23.70	19.00
5	500.00	38.90 QP	46.00	-7.10	1.39 H	27	17.10	21.80
6	600.00	38.50 QP	46.00	-7.50	1.23 H	200	14.00	24.50
7	800.00	33.10 QP	46.00	-12.90	1.24 H	219	5.50	27.60
8	900.00	34.20 QP	46.00	-11.80	1.17 H	329	5.40	28.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	250.00	34.70 QP	46.00	-11.30	1.19 V	83	20.90	13.80
2	300.00	32.30 QP	46.00	-13.70	1.24 V	52	15.50	16.80
3	366.68	34.20 QP	46.00	-11.80	1.25 V	116	16.30	17.90
4	400.00	41.80 QP	46.00	-4.20	1.30 V	253	22.80	19.00
5	500.00	36.70 QP	46.00	-9.30	1.30 V	158	14.90	21.80
6	600.00	37.90 QP	46.00	-8.10	1.16 V	275	13.40	24.50
7	800.00	33.90 QP	46.00	-12.10	1.27 V	292	6.30	27.60
8	900.00	33.70 QP	46.00	-12.30	1.18 V	128	4.90	28.90

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.

#### 4.2.7 TEST RESULTS - DSSS

##### 802.11b DSSS modulation

<b>CHANNEL</b>	CH6 (WLAN 802.11b) CH251 (DEGE 850)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 63%RH, 965hPa	<b>TEST MODE</b>	A
<b>TESTED BY</b>	Wen Yu		

##### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1697.60	40.10 PK	74.00	-33.90	1.35 H	210	12.50	27.60
1	1697.60	28.20 AV	54.00	-25.80	1.35 H	210	0.60	27.60
2	*2437.00	98.80 PK			1.58 H	247	68.90	29.90
2	*2437.00	93.00 AV			1.58 H	247	63.00	29.90
3	4874.00	45.70 PK	74.00	-28.30	1.77 H	19	10.40	35.30
3	4874.00	32.40 AV	54.00	-21.60	1.77 H	19	-3.00	35.30
4	7311.00	50.80 PK	74.00	-23.20	1.48 H	324	10.10	40.70
4	7311.00	37.40 AV	54.00	-16.60	1.48 H	324	-3.30	40.70

##### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1697.60	40.50 PK	74.00	-33.50	1.13 V	265	12.90	27.60
1	1697.60	28.10 AV	54.00	-25.90	1.13 V	265	0.50	27.60
2	*2437.00	109.60 PK			1.18 V	20	79.70	29.90
2	*2437.00	103.80 AV			1.18 V	20	73.90	29.90
3	4874.00	46.50 PK	74.00	-27.50	1.58 V	112	11.20	35.30
3	4874.00	33.60 AV	54.00	-20.40	1.58 V	112	-1.70	35.30
4	7311.00	50.90 PK	74.00	-23.10	1.79 V	84	10.20	40.70
4	7311.00	38.50 AV	54.00	-15.50	1.79 V	84	-2.20	40.70

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. " \* " : Fundamental frequency

<b>CHANNEL</b>	CH6 (WLAN 802.11b) CH189 (HSDPA 850)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 63%RH, 965hPa	<b>TEST MODE</b>	B
<b>TESTED BY</b>	Wen Yu		

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.20	39.40 PK	74.00	-34.60	1.39 H	237	11.90	27.50
1	1673.20	27.30 AV	54.00	-26.70	1.39 H	237	-0.20	27.50
2	*2437.00	99.10 PK			1.52 H	267	69.20	29.90
2	*2437.00	93.20 AV			1.52 H	267	63.30	29.90
3	4874.00	45.70 PK	74.00	-28.30	1.59 H	23	10.40	35.30
3	4874.00	32.60 AV	54.00	-21.40	1.59 H	23	-2.70	35.30
4	7311.00	50.30 PK	74.00	-23.70	1.43 H	326	9.60	40.70
4	7311.00	37.10 AV	54.00	-16.90	1.43 H	326	-3.60	40.70

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.20	39.70 PK	74.00	-34.30	1.24 V	273	12.20	27.50
1	1673.20	27.40 AV	54.00	-26.60	1.24 V	273	-0.10	27.50
2	*2437.00	109.70 PK			1.14 V	23	79.80	29.90
2	*2437.00	103.90 AV			1.14 V	23	74.00	29.90
3	4874.00	46.80 PK	74.00	-27.20	1.57 V	116	11.50	35.30
3	4874.00	33.70 AV	54.00	-20.30	1.57 V	116	-1.60	35.30
4	7311.00	50.70 PK	74.00	-23.30	1.76 V	82	10.00	40.70
4	7311.00	38.60 AV	54.00	-15.40	1.76 V	82	-2.10	40.70

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* “ : Fundamental frequency



<b>CHANNEL</b>	CH6 (WLAN 802.11b) CH810 (EDGE 1900)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 63%RH, 965hPa	<b>TEST MODE</b>	C
<b>TESTED BY</b>	Wen Yu		

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	99.00 PK			1.47 H	273	69.10	29.90
1	*2437.00	93.10 AV			1.47 H	273	63.20	29.90
2	3819.60	40.60 PK	74.00	-33.40	1.32 H	257	7.60	33.00
2	3819.60	28.70 AV	54.00	-25.30	1.32 H	257	-4.30	33.00
3	4874.00	45.60 PK	74.00	-28.40	1.61 H	25	10.30	35.30
3	4874.00	32.70 AV	54.00	-21.30	1.61 H	25	-2.60	35.30
4	7311.00	50.40 PK	74.00	-23.60	1.46 H	329	9.70	40.70
4	7311.00	37.30 AV	54.00	-16.70	1.46 H	329	-3.40	40.70

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	109.60 PK	74.00		1.13 V	22	79.70	29.90
1	*2437.00	103.80 AV	54.00		1.13 V	22	73.90	29.90
2	3819.60	41.30 PK	74.00	-32.70	1.27 V	242	8.30	33.00
2	3819.60	29.90 AV	54.00	-24.10	1.27 V	242	-3.10	33.00
3	4874.00	46.60 PK	74.00	-27.40	1.54 V	115	11.30	35.30
3	4874.00	33.60 AV	54.00	-20.40	1.54 V	115	-1.70	35.30
4	7311.00	50.60 PK	74.00	-23.40	1.72 V	81	9.90	40.70
4	7311.00	38.40 AV	54.00	-15.60	1.72 V	81	-2.30	40.70

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* “ : Fundamental frequency

<b>CHANNEL</b>	CH6 (WLAN 802.11b) CH810 (HSDPA 1900)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 63%RH, 965hPa	<b>TEST MODE</b>	D
<b>TESTED BY</b>	Wen Yu		

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	99.10 PK			1.51 H	268	69.20	29.90
1	*2437.00	93.10 AV			1.51 H	268	63.20	29.90
2	3815.20	40.50 PK	74.00	-33.50	1.31 H	238	7.50	33.00
2	3815.20	28.40 AV	54.00	-25.60	1.31 H	238	-4.60	33.00
3	4874.00	45.40 PK	74.00	-28.60	1.58 H	29	10.10	35.30
3	4874.00	32.60 AV	54.00	-21.40	1.58 H	29	-2.70	35.30
4	7311.00	50.70 PK	74.00	-23.30	1.53 H	331	10.00	40.70
4	7311.00	37.40 AV	54.00	-16.60	1.53 H	331	-3.30	40.70

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	109.50 PK			1.12 V	26	79.60	29.90
1	*2437.00	103.40 AV			1.12 V	26	73.50	29.90
2	3815.20	41.10 PK	74.00	-32.90	1.25 V	227	8.10	33.00
2	3815.20	29.70 AV	54.00	-24.30	1.25 V	227	-3.30	33.00
3	4874.00	46.80 PK	74.00	-27.20	1.56 V	121	11.50	35.30
3	4874.00	33.90 AV	54.00	-20.10	1.56 V	121	-1.40	35.30
4	7311.00	50.40 PK	74.00	-23.60	1.74 V	86	9.70	40.70
4	7311.00	38.30 AV	54.00	-15.70	1.74 V	86	-2.40	40.70

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.247
6. “ \* ” : Fundamental frequency





<b>CHANNEL</b>	CH6 (WLAN 802.11b) CH661 (GSM 1900)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 63%RH, 965hPa	<b>TEST MODE</b>	E
<b>TESTED BY</b>	Wen Yu		

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	99.00 PK			1.56 H	249	69.10	29.90
1	*2437.00	92.60 AV			1.56 H	249	62.70	29.90
2	3760.00	42.10 PK	74.00	-31.90	1.22 H	321	9.10	33.00
2	3760.00	29.40 AV	54.00	-24.60	1.22 H	321	-3.60	33.00
3	4874.00	45.60 PK	74.00	-28.40	1.74 H	23	10.30	35.30
3	4874.00	32.80 AV	54.00	-21.20	1.74 H	23	-2.60	35.30
4	7311.00	50.60 PK	74.00	-23.40	1.52 H	328	10.00	40.70
4	7311.00	37.50 AV	54.00	-16.50	1.52 H	328	-3.20	40.70

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	109.90 PK			1.18 V	19	80.00	29.90
1	*2437.00	103.60 AV			1.18 V	19	73.70	29.90
2	3760.00	42.10 PK	74.00	-31.90	1.06 V	128	9.10	33.00
2	3760.00	29.50 AV	54.00	-24.50	1.06 V	128	-3.40	33.00
3	4874.00	46.40 PK	74.00	-27.60	1.62 V	107	11.00	35.30
3	4874.00	33.70 AV	54.00	-20.30	1.62 V	107	-1.60	35.30
4	7311.00	50.80 PK	74.00	-23.20	1.83 V	76	10.10	40.70
4	7311.00	38.40 AV	54.00	-15.60	1.83 V	76	-2.30	40.70

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* “ : Fundamental frequency

<b>CHANNEL</b>	CH6 (WLAN 802.11b) CH190 (GSM 850)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 63%RH, 965hPa	<b>TEST MODE</b>	F
<b>TESTED BY</b>	Wen Yu		

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.20	39.70 PK	74.00	-34.30	1.04 H	139	12.20	27.50
1	1673.20	26.20 AV	54.00	-27.80	1.04 H	139	-1.30	27.50
2	*2437.00	98.90 PK			1.58 H	247	69.00	29.90
2	*2437.00	92.90 AV			1.58 H	247	63.00	29.90
3	4874.00	45.60 PK	74.00	-28.40	1.76 H	20	10.30	35.30
3	4874.00	32.30 AV	54.00	-21.70	1.76 H	20	-3.00	35.30
4	7311.00	50.80 PK	74.00	-23.20	1.52 H	319	10.10	40.70
4	7311.00	37.60 AV	54.00	-16.40	1.52 H	319	-3.10	40.70

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.20	39.60 PK	74.00	-34.40	1.23 V	343	12.10	27.50
1	1673.20	26.10 AV	54.00	-27.90	1.23 V	343	-1.40	27.50
2	*2437.00	110.00 PK			1.16 V	23	80.10	29.90
2	*2437.00	103.90 AV			1.16 V	23	74.00	29.90
3	4874.00	46.70 PK	74.00	-27.30	1.58 V	111	11.40	35.30
3	4874.00	33.50 AV	54.00	-20.50	1.58 V	111	-1.80	35.30
4	7311.00	50.70 PK	74.00	-23.30	1.80 V	74	10.00	40.70
4	7311.00	38.50 AV	54.00	-15.50	1.80 V	74	-2.20	40.70

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* “ : Fundamental frequency



<b>CHANNEL</b>	CH6 (WLAN 802.11b) CH810 (GSM 1900)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 63%RH, 965hPa	<b>TEST MODE</b>	G
<b>TESTED BY</b>	Wen Yu		

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	98.90 PK			1.58 H	247	69.00	29.90
1	*2437.00	92.90 AV			1.58 H	247	63.00	29.90
2	3819.60	41.20 PK	74.00	-32.80	1.12 H	265	8.20	33.00
2	3819.60	28.90 AV	54.00	-25.10	1.12 H	265	-4.10	33.00
3	4874.00	45.60 PK	74.00	-28.40	1.76 H	20	10.30	35.30
3	4874.00	32.30 AV	54.00	-21.70	1.76 H	20	-3.00	35.30
4	7311.00	50.80 PK	74.00	-23.20	1.52 H	319	10.10	40.70
4	7311.00	37.60 AV	54.00	-16.40	1.52 H	319	-3.10	40.70

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	110.00 PK			1.16 V	23	80.10	29.90
1	*2437.00	103.90 AV			1.16 V	23	74.00	29.90
2	3819.60	41.40 PK	74.00	-32.60	1.04 V	130	8.40	33.00
2	3819.60	28.70 AV	54.00	-25.30	1.04 V	130	-4.30	33.00
3	4874.00	46.70 PK	74.00	-27.30	1.58 V	111	11.40	35.30
3	4874.00	33.50 AV	54.00	-20.50	1.58 V	111	-1.80	35.30
4	7311.00	50.70 PK	74.00	-23.30	1.80 V	74	10.00	40.70
4	7311.00	38.50 AV	54.00	-15.50	1.80 V	74	-2.20	40.70

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* “ : Fundamental frequency

#### 4.2.8 TEST RESULTS - OFDM 802.11g Normal OFDM modulation

<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH251 (DEGE 850)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 70%RH, 965hPa	<b>TEST MODE</b>	A
<b>TESTED BY</b>	Wen Yu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1697.60	39.10 PK	74.00	-34.90	1.25 H	322	11.60	27.50
1	1697.60	25.80 AV	54.00	-28.20	1.25 H	322	-1.70	27.50
2	*2437.00	102.60 PK			1.06 H	62	72.60	30.00
2	*2437.00	92.80 AV			1.06 H	62	62.80	30.00
3	4874.00	46.10 PK	74.00	-27.90	1.16 H	228	10.90	35.20
3	4874.00	35.20 AV	54.00	-18.80	1.16 H	228	0.00	35.20
4	7311.00	51.20 PK	74.00	-22.80	1.33 H	125	9.80	41.40
4	7311.00	38.00 AV	54.00	-16.00	1.33 H	125	-3.40	41.40

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1697.60	38.90 PK	74.00	-35.10	1.26 V	335	11.40	27.50
1	1697.60	25.70 AV	54.00	-28.30	1.26 V	335	-1.80	27.50
2	*2437.00	115.80 PK			1.12 V	348	85.80	30.00
2	*2437.00	106.20 AV			1.12 V	348	76.20	30.00
3	4874.00	48.20 PK	74.00	-25.80	1.06 V	228	13.00	35.20
3	4874.00	37.60 AV	54.00	-16.40	1.06 V	228	2.40	35.20
4	7311.00	51.50 PK	74.00	-22.50	1.60 V	282	10.10	41.40
4	7311.00	38.40 AV	54.00	-15.60	1.60 V	282	-3.00	41.40

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* “ : Fundamental frequency

<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH189 (HSDPA 850)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 70%RH, 965hPa	<b>TEST MODE</b>	B
<b>TESTED BY</b>	Wen Yu		

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.20	38.20 PK	74.00	-35.80	1.30 H	28	10.80	27.40
1	1673.20	25.20 AV	54.00	-28.80	1.30 H	28	-2.30	27.40
2	*2437.00	102.50 PK			1.04 H	68	72.50	30.00
2	*2437.00	92.70 AV			1.04 H	68	62.70	30.00
3	4874.00	47.30 PK	74.00	-26.70	1.12 H	212	12.10	35.20
3	4874.00	36.40 AV	54.00	-17.60	1.12 H	212	1.20	35.20
4	7311.00	51.10 PK	74.00	-22.90	1.22 H	122	9.70	41.40
4	7311.00	38.30 AV	54.00	-15.70	1.22 H	122	-3.10	41.40

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.20	39.50 PK	74.00	-34.50	1.33 V	32	12.00	27.40
1	1673.20	26.60 AV	54.00	-27.40	1.33 V	32	-0.80	27.40
2	*2437.00	115.70 PK			1.11 V	351	85.70	30.00
2	*2437.00	106.40 AV			1.11 V	351	76.40	30.00
3	4874.00	49.20 PK	74.00	-24.80	1.16 V	234	14.00	35.20
3	4874.00	38.30 AV	54.00	-15.70	1.16 V	234	3.10	35.20
4	7311.00	51.80 PK	74.00	-22.20	1.52 V	262	10.40	41.40
4	7311.00	39.40 AV	54.00	-14.60	1.52 V	262	-2.00	41.40

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* ” : Fundamental frequency

<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (EDGE 1900)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 70%RH, 965hPa	<b>TEST MODE</b>	C
<b>TESTED BY</b>	Wen Yu		

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	103.10 PK			1.07 H	65	73.10	30.00
1	*2437.00	93.20 AV			1.07 H	65	63.20	30.00
2	3819.60	40.40 PK	74.00	-33.60	1.21 H	32	7.70	32.80
2	3819.60	27.10 AV	54.00	-26.90	1.21 H	32	-5.60	32.80
3	4874.00	48.20 PK	74.00	-25.80	1.14 H	214	13.00	35.20
3	4874.00	35.90 AV	54.00	-18.10	1.14 H	214	0.70	35.20
4	7311.00	52.20 PK	74.00	-21.80	1.24 H	119	10.80	41.40
4	7311.00	39.10 AV	54.00	-14.90	1.24 H	119	-2.30	41.40

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	115.50 PK			1.10 V	360	85.50	30.00
1	*2437.00	105.90 AV			1.10 V	360	75.90	30.00
2	3819.60	39.70 PK	74.00	-34.30	1.17 V	43	6.90	32.80
2	3819.60	28.00 AV	54.00	-26.00	1.17 V	43	-4.80	32.80
3	4874.00	47.70 PK	74.00	-26.30	1.10 V	227	12.50	35.20
3	4874.00	34.80 AV	54.00	-19.20	1.10 V	227	-0.40	35.20
4	7311.00	51.60 PK	74.00	-22.40	1.49 V	229	10.20	41.40
4	7311.00	38.50 AV	54.00	-15.50	1.49 V	229	-2.90	41.40

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.247
6. “ \* ” : Fundamental frequency

<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (HSDPA 1900)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 70%RH, 965hPa	<b>TEST MODE</b>	D
<b>TESTED BY</b>	Wen Yu		

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	102.70 PK			1.07 H	57	72.70	30.00
1	*2437.00	92.90 AV			1.07 H	57	62.90	30.00
2	3815.20	39.70 PK	74.00	-34.30	1.14 H	51	6.90	32.80
2	3815.20	29.10 AV	54.00	-24.90	1.14 H	51	-3.70	32.80
3	4874.00	41.50 PK	74.00	-32.50	1.17 H	220	6.30	35.20
3	4874.00	35.40 AV	54.00	-18.60	1.17 H	220	0.20	35.20
4	7311.00	51.40 PK	74.00	-22.60	1.36 H	124	10.00	41.40
4	7311.00	38.20 AV	54.00	-15.80	1.36 H	124	-3.20	41.40

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	115.70 PK			1.11 V	357	85.70	30.00
1	*2437.00	106.30 AV			1.11 V	357	76.30	30.00
2	3815.20	40.10 PK	74.00	-33.90	1.15 V	47	7.30	32.80
2	3815.20	28.70 AV	54.00	-25.30	1.15 V	47	-4.10	32.80
3	4874.00	47.50 PK	74.00	-26.50	1.07 V	230	12.30	35.20
3	4874.00	34.40 AV	54.00	-19.60	1.07 V	230	-0.80	35.20
4	7311.00	51.90 PK	74.00	-22.10	1.46 V	224	10.50	41.40
4	7311.00	38.80 AV	54.00	-15.20	1.46 V	224	-2.60	41.40

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.247
6. “ \* ” : Fundamental frequency

<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH661 (GSM 1900)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 70%RH, 965hPa	<b>TEST MODE</b>	E
<b>TESTED BY</b>	Wen Yu		

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	101.50 PK			1.05 H	63	71.50	30.00
1	*2437.00	92.30 AV			1.05 H	63	62.30	30.00
2	3760.00	41.20 PK	74.00	-32.80	1.22 H	85	8.40	32.80
2	3760.00	28.80 AV	54.00	-25.20	1.22 H	85	-4.00	32.80
3	4874.00	45.50 PK	74.00	-28.50	1.11 H	261	10.30	35.20
3	4874.00	34.70 AV	54.00	-19.30	1.11 H	261	-0.50	35.20
4	7311.00	50.50 PK	74.00	-23.50	1.26 H	66	9.10	41.40
4	7311.00	37.80 AV	54.00	-16.20	1.26 H	66	-3.60	41.40

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	115.50 PK			1.12 V	334	85.50	30.00
1	*2437.00	106.30 AV			1.12 V	334	76.30	30.00
2	3760.00	41.20 PK	74.00	-32.80	1.26 V	332	8.40	32.80
2	3760.00	28.20 AV	54.00	-25.80	1.26 V	332	-4.60	32.80
3	4874.00	48.80 PK	74.00	-25.20	1.10 V	229	13.60	35.20
3	4874.00	37.90 AV	54.00	-16.10	1.10 V	229	2.70	35.20
4	7311.00	51.40 PK	74.00	-22.60	1.62 V	309	10.00	41.40
4	7311.00	38.50 AV	54.00	-15.50	1.62 V	309	-2.90	41.40

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* ” : Fundamental frequency



<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH190 (GSM 850)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 70%RH, 965hPa	<b>TEST MODE</b>	F
<b>TESTED BY</b>	Wen Yu		

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.20	39.50 PK	74.00	-34.50	1.06 H	132	12.10	27.40
1	1673.20	25.80 AV	54.00	-28.20	1.06 H	132	-1.60	27.40
2	*2437.00	103.70 PK			1.02 H	24	73.70	30.00
2	*2437.00	92.60 AV			1.02 H	24	62.60	30.00
3	4874.00	46.40 PK	74.00	-27.60	1.09 H	251	11.20	35.20
3	4874.00	35.90 AV	54.00	-18.10	1.09 H	251	0.70	35.20
4	7311.00	50.40 PK	74.00	-23.60	1.45 H	173	9.00	41.40
4	7311.00	38.30 AV	54.00	-15.70	1.45 H	173	-3.10	41.40

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.20	39.20 PK	74.00	-34.80	1.26 V	332	11.80	27.40
1	1673.20	25.50 AV	54.00	-28.50	1.26 V	332	-1.90	27.40
2	*2437.00	115.70 PK			1.12 V	324	85.70	30.00
2	*2437.00	106.60 AV			1.12 V	324	76.60	30.00
3	4874.00	48.40 PK	74.00	-25.60	1.12 V	232	13.20	35.20
3	4874.00	37.90 AV	54.00	-16.10	1.12 V	232	2.70	35.20
4	7311.00	51.40 PK	74.00	-22.60	1.55 V	293	10.00	41.40
4	7311.00	38.50 AV	54.00	-15.50	1.55 V	293	-2.90	41.40

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* ” : Fundamental frequency



<b>CHANNEL</b>	CH6 (WLAN 802.11g) CH810 (GSM 1900)	<b>FREQUENCY RANGE</b>	1000~25000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 70%RH, 965hPa	<b>TEST MODE</b>	G
<b>TESTED BY</b>	Wen Yu		

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	103.40 PK			1.02 H	30	73.40	30.00
1	*2437.00	92.50 AV			1.02 H	30	62.50	30.00
2	3819.60	41.20 PK	74.00	-32.80	1.24 H	282	8.40	32.80
2	3819.60	29.10 AV	54.00	-24.90	1.24 H	282	-3.70	32.80
3	4874.00	45.60 PK	74.00	-28.40	1.27 H	254	10.40	35.20
3	4874.00	34.60 AV	54.00	-19.40	1.27 H	254	-0.60	35.20
4	7311.00	50.90 PK	74.00	-23.10	1.20 H	243	9.50	41.40
4	7311.00	38.50 AV	54.00	-15.50	1.20 H	243	-2.90	41.40

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	115.70 PK			1.13 V	330	85.70	30.00
1	*2437.00	106.50 AV			1.13 V	330	76.50	30.00
2	3819.60	40.60 PK	74.00	-33.40	1.20 V	284	7.80	32.80
2	3819.60	29.50 AV	54.00	-24.50	1.20 V	284	-3.30	32.80
3	4874.00	48.60 PK	74.00	-25.40	1.17 V	244	13.40	35.20
3	4874.00	38.60 AV	54.00	-15.40	1.17 V	244	3.40	35.20
4	7311.00	51.90 PK	74.00	-22.10	1.40 V	247	10.50	41.40
4	7311.00	39.20 AV	54.00	-14.80	1.40 V	247	-2.20	41.40

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.
  5. The limit value is defined as per 15.247
  6. “ \* ” : Fundamental frequency

## 5 PHOTOGRAPHS OF THE TEST CONFIGURATION CONDUCTED EMISSION TEST



## RADIATED EMISSION TEST





## 6 INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025:

<b>USA</b>	FCC, UL, A2LA
<b>Germany</b>	TUV Rheinland
<b>Japan</b>	VCCI
<b>Norway</b>	NEMKO
<b>Canada</b>	INDUSTRY CANADA, CSA
<b>R.O.C.</b>	CNLA, BSMI, DGT
<b>Netherlands</b>	Telefication
<b>Singapore</b>	PSB, GOST-ASIA (MOU)
<b>Russia</b>	CERTIS (MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: [www.adt.com.tw/index.5/phtml](http://www.adt.com.tw/index.5/phtml).

If you have any comments, please feel free to contact us at the following:

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**Email:** [service@adt.com.tw](mailto:service@adt.com.tw)

**Web Site:** [www.adt.com.tw](http://www.adt.com.tw)

The address and road map of all our labs can be found in our web site also.



## **APPENDIX-A**

### **MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB**

No any modifications are made to the EUT by the lab during the test.