FCC TEST REPORT

according to

FCC Rules and Regulations

Part 15 Subpart C

Applicant	SerComm Corporation		
Address	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.		
Equipment	802.11g wireless USB adapter		
Model No.	UB801R		
FCC ID	P27UB801R		
Trade Name	SerComm		

- The test result refers exclusively to the test presented test model / sample.,
- Without written approval of *Exclusive Certification Corp.* the test report shall not be reproduced except in full.

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Issued date: Sep. 07, 2004 1 of 65

Contents

1.	Repor	t of Measurements and Examinations	. 4
	1.1.	List of Measurements and Examinations	. 4
	1.2.	Antenna Requirements	. 5
	1.3.	Test of Conducted Emission	. 6
	1.4.	Test of Radiated Emission	. 8
	1.5.	6dB Bandwidth	. 9
	1.6.	Maximum Peak Output Power	. 9
	1.7.	Band Edges Measurement	10
	1.8.	Power Spectral Density	10
	1.9.	Restricted Bands of Operation	.11
	1.10.	Labeling Requirement	.11
	1.11.	RF Exposure	12
2.	Test C	Configuration of Equipment under Test	14
	2.1.	Test Mode and Test Software	14
	2.2.	Description of Test System	14
	2.3.	Connection Diagram of Test System	15
	2.4.	RF Module Specifications	15
	2.5.	History of this test report	15
	2.6.	Feature of Equipment under Test	16
3.	Gener	al Information of Test	17
4.	Test F	Result and Data	18
	4.1.	Antenna Requirement	18
	4.2.	Test Result of Conducted Emission	19
	4.3.	RF Portion	32
	4.4.	6dB Bandwidth Measurement Data	42
	4.5.	Peak Output Power Measurement Data	46
	4.6.	Band Edges Measurement Data	50
	4.7.	Power Spectral Density Measurement Data	61
5.	List of	Measuring Equipment Used	65
App	endix A	. Photographs of EUTA1 ~	Α4

CERTIFICATE OF COMPLIANCE

according to

FCC Rules and Regulations Part 15 Subpart C

Applicant	SerComm Corporation		
Address	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.		
Equipment	802.11g wireless USB adapter		
Model No.	UB801R		
FCC ID	P27UB801R		

I HEREBY CERTIFY THAT:

The measurements shown in this test report were made in accordance with the procedures given in ANSI C63.4. The equipment was *passed* the test performed according to FCC Rules and Regulations Part 15 Subpart C (2002).

The test was carried out on Sep. 05, 2004 at *Exclusive Certification Corp.*

Signature

Anson Chou / Manager

1. Report of Measurements and Examinations

1.1. List of Measurements and Examinations

FCC Rule	. Description of Test	Result
15.203	. Antenna Requirement	Pass
15.207	. Conducted Emission	Pass
15.209	. Radiated Emission	Pass
15.247(a)(2)	. 6dB Bandwidth	Pass
15.247(b)	. Maximum Peak Output Power	Pass
15.247(c)	. 100kHz Bandwidth of Frequency Band Edges	Pass
15.247(d)	. Power Spectral Density	Pass
1.1307 1.1310 2.1091 2.1093	. RF Exposure Compliance	Pass

Test by:

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Issued date: Sep. 07, 2004 4 of 65

1.2. Antenna Requirements

1.2.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

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Issued date: Sep. 07, 2004 5 of 65

1.3. Test of Conducted Emission

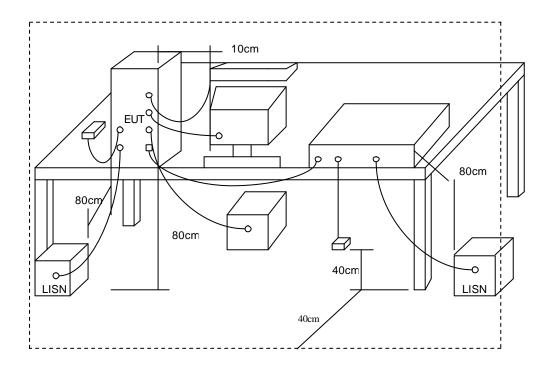
Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 115 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-1992 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

1.3.1. Test Procedures

- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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1.3.2. Typical Test Setup Layout of Conducted Emission



1.3.3. Conducted Emission Requirement

Except for A digital devices, for equpment that is designed to be connected to the public utility (AC) power line on any frequency voltage that is conducted back onto the AC power line on ant frequency or frequencies within the band 150KHz to 30MHz shall not exceed the limits in the following table, as measured using a $50\mu\text{H}/50$ ohms line impeddance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the Radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

Frequency	Quasi Peak	Average
(MHz)	(dB µ V)	(dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

Exclusive **C**ertification **C**orp. Tel:886-2-2792-3366 Fax:886-2-2792-1100

Issued date: Sep. 07, 2004 7 of 65

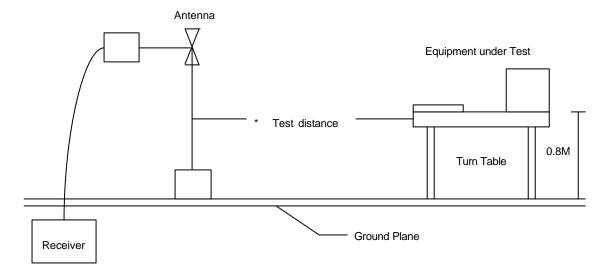
1.4. Test of Radiated Emission

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

1.4.1. Test Procedures

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

1.4.2. Typical Test Setup Layout of Radiated Emission



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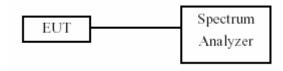
Issued date: Sep. 07, 2004 8 of 65

1.5. 6dB Bandwidth

1.5.1. Test Procedure:

- 1. The transmitter output was connected to the spectrum analyzer.
- 2. Set RBW of spectrum analyzer to 100 KHz and VBW to 100 KHz.
- 3. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

1.5.2. Test Setup Layout:

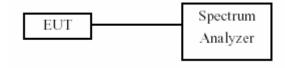


1.6. Maximum Peak Output Power

1.6.1. Test Procedure:

The antenna port (RF output) of the EUT was connected to the input (RF input) of a spectrum analyzer. Power was read directly from the spectrum analyzer and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

1.6.2. Test Setup Layout:



Exclusive Certification Corp. Tel:886-2-2792-3366 Fax:886-2-2792-1100

Issued date: Sep. 07, 2004 9 of 65

1.7. Band Edges Measurement

1.7.1. Test Procedure:

- 1. The transmitter output was connected to the spectrum analyzer via a low lose cable.
- 2. Set both RBW and VBW of spectrum analyzer to 100 KHz with convenient frequency span including 100 MHz bandwidth from band edge.
- 3. The band edges was measured and recorded.

1.8. Power Spectral Density

1.8.1. Test Procedure:

- 1. The transmitter output was connected to spectrum analyzer.
- 2. The spectrum analyzer's resolution bandwidth were set at 3KHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=span/3KHz.
- 3. The power spectral density was measured and recorded.
- 4. The Sweep time is allowed to be longer than span/3KHz for a full response of the mixer in the spectrum analyzer.

1.8.2. Test Setup Layout:



Exclusive Certification Corp. Tel:886-2-2792-3366 Fax:886-2-2792-1100 Issued date: Sep. 07, 2004

1.9. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 - 0.11000	16.42000 - 16.42300	399.9 - 410.0	4.500 - 5.250
0.49500 - 0.505**	16.69475 - 16.69525	608.0 - 614.0	5.350 - 5.460
2.17350 – 2.19050	16.80425 - 16.80475	960.0 - 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 - 1427.0	8.025 - 8.500
4.17725 – 4.17775	37.50000 - 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 - 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 - 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 - 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 - 138.00000	2200.0 - 2300.0	14.470 – 14.500
8.29100 - 8.29400	149.90000 - 150.05000	2310.0 - 2390.0	15.350 – 16.200
8.36200 - 8.36600	156.52475 – 156.52525	2483.5 - 2500.0	17.700 – 21.400
8.37625 - 8.38675	156.70000 - 156.90000	2655.0 - 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 - 167.17000	3260.0 - 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 - 173.20000	3332.0 - 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 - 285.00000	3345.8 - 3358.0	36.430 - 36.500
12.57675 – 12.57725	322.00000 - 335.40000	3600.0 - 4400.0	Above 38.6
13.36000 - 13.41000			

^{**:} Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

1.10. Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Exclusive Certification Corp. Tel:886-2-2792-3366 Fax:886-2-2792-1100 11 of 65 Issued date: Sep. 07, 2004

1.11. RF Exposure

FCC Rules and Regulations Part 1.1307, 1.1310, 2.1091, 2.1093: RF Exposure Compliance

1.11.1. Limit For Maximum Permissible Exposure (MPE)

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
(MHz) Strength (E) (V		Strength (H) (A/m)	(mW/ cm²)	$ E ^2$, $ H ^2$ or S
				(minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
(MHz)	Strength (E) (V/m)	Strength (H) (A/m)	(mW/cm²)	$ E ^2$, $ H ^2$ or S
				(minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

F=frequency in MHz

Exclusive Certification Corp. Tel:886-2-2792-3366 Fax:886-2-2792-1100

Issued date: Sep. 07, 2004 12 of 65

^{*}Plane-wave equivalent power density

1.11.2. MPE Calculations

E (V/m) =
$$\frac{\sqrt{30 \cdot P \cdot G}}{d}$$
 Power Density: Pd (mW/cm²) = $\frac{E^2}{3770}$

E = Electric field (V/m)

P = Peak output power (W)

G = Antenna numeric gain (numeric)

d = Separation distance (m)

Because the EUT is belong to General Population/ Uncontrolled Exposure. So the Limit of Power Density is 10 W/m². We can change the formula to:

$$d = \sqrt{\frac{30 \cdot P \cdot G}{3770}}$$

1.11.3. FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation. Proposed RF exposure safety information to include in User's Manual.

Exclusive **C**ertification **C**orp. Tel:886-2-2792-3366 Fax:886-2-2792-1100 Issued date: Sep. 07, 2004

2. Test Configuration of Equipment under Test

2.1. Test Mode and Test Software

The following test mode and test software was performed for conduction and radiation test:

- 802.11b (CH LO: 2412MHz) 802.11b (CH MID: 2437MHz) 802.11b (CH HI: 2462MHz)
- 802.11g (CH LO: 2412MHz) 802.11g (CH MID: 2437MHz) 802.11g (CH HI: 2462MHz)
- An executive programs, "RT2570.exe" Application under WIN XP.

2.2. • Description of Test System

Conduction

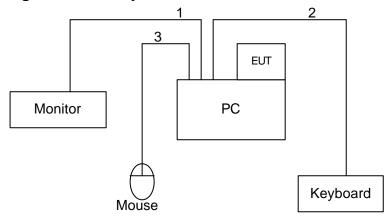
Device	Manufacturer	Model No.	Description
PC	IBM	IGV	Power Cable, Unshielding 1.8 m
Monitor	SlimAGE	510A	Power Cable, Adapter Unshielding 1.8 m
			Data Cable, VGA shielding 1.35 m
Keyboard	IBM	KB-0225	Data Cable, PS2 shielding 1.85 m
Mouse	IBM	MO28VO	Data Cable, USB shielding 1.85 m
AP Router (Remote site)	Sercomm	ARM 804	Power Cable, Adapter Unshielding 1.8 m

Radiation

Device	Manufacturer	Model No.	Description
PC	IBM	IGV	Power Cable, Unshielding 1.8 m
Monitor	IBM	90B88M6	Power Cable, Unshielding 1.8 m
			Data Cable, VGA shielding 1.35 m
Keyboard	IBM	KB-0225	Data Cable, PS2 shielding 1.85 m
Mouse	IBM	MO28VO	Data Cable, USB shielding 1.85 m
AP Router (Remote site)	Sercomm	ARM 804	Power Cable, Adapter Unshielding 1.8 m

Exclusive **C**ertification **C**orp. Tel:886-2-2792-3366 Fax:886-2-2792-1100 14 of 65 Issued date: Sep. 07, 2004

2.3. Connection Diagram of Test System



- 1. The I/O cable is connected from PC to the Monitor.
- 2. The I/O cable is connected from PC to the Keyboard.
- 3. The I/O cable is connected from PC to the Mouse.

2.4. RF Module Specifications

Standards:	IEEE802.11g WLAN, JEIDA 4.2, roaming support		
Frequency:	2.4 to 2.4835GHz (Industrial Scientific Medical Band)		
Channels:	Maximum 14 Channels, depending on regulatory authorities		
Modulation:	DSSS BPSK/QPSK/CCK, OFDM/CCK		
Data Rate:	Up to 54Mbps		
Coverage Area: Indoors: 10m @54Mbps, 80m @6Mbps or lower			
	Outdoors: 30m @54Mbps, 200m @6Mbps or lower		
Security:	WEP 64Bit, WEP 128Bit, WPA-PSK		
Output Power:	13dBm (typical)		
Receiver Sensitivity	-80 dBm Min.		

2.5. History of this test report

ORIGINAL.

Exclusive **C**ertification **C**orp. Tel:886-2-2792-3366 Fax:886-2-2792-1100

Issued date: Sep. 07, 2004 15 of 65

2.6. Feature of Equipment under Test

Chipset:	Ralink RT2572		
RF Chip:	Ralink RT2526		
Bus Type:	USB 2.0		
Data Rates :	54, 48, 36, 24, 18, 12, 9, and 6 Mbps (802.11g)		
	11, 5.5, 2, 1 Mbps (802.11b)		
Frequency Band:	2.4GHz to 2.462GHz		
Wireless Medium:	DSSS and OFDM		
Media Access Protocol:	CSMA/CA		
Operating Channels:	1-14(FCC:1-11、ETSI:1-13、Japan:1-14)		
Operating Range:	Indoors: Up to 328 ft (100 meters)		
	Outdoors: Up to 1312 ft (400 meters)		
Receive Sensitivity :	802.11g (54 Mbps: -71 dBm, 48 Mbps: -73 dBm, 36 Mbps: -77 dBm, 24 Mbps: -81 dBm, 18 Mbps: -83 dBm, 12 Mbps: -83 dBm, 9 Mbps: -83 dBm, 6 Mbps: -83 dBm)		
	802.11b (11 Mbps: -87 dBm, 5.5 Mbps: -88 dBm, 2 Mbps: -89 dBm, 1 Mbps: -89 dBm)		
Wireless Medium:	DSSS (Direct Sequence Spread Spectrum)		
Media Access Protocol:	CSMA/CA		
Transmit Power:	802.11g: 13.5dBm, 802.11b: 17.5 dBm		
Security:	64/128-bit WEP, WPA—Wi-Fi Protected Access		
Standards Conformance:	WPA certified, IEEE 802.11g, IEEE 802.11b		
EMI:	FCC, CE		
Environmental Range:	Operating temperature: 0° to 40°C (32° to 104°F)		
	Operating humidity: 0 to 90% non-condensing		
	Notebook or desktop PC with USB port; USB 2.0 required for 54Mbps data rate.		
System Requirements:	Notebook or desktop PC must be running Windows 98SE/ ME/ XP/ 2000.		
Dimensions:	70mm(W)*105mm(D)*22mm(H)		
Operating Temperature:	0 to 40		
Storage Temperature:	-10 to 70		
Network Protocol:	TCP/IP		
Naturali latari	1* 10/100BaseT Ethernet		
Network Interface:	1* Wireless Interface		
LEDs:	3		
Power Adapter:	5V DC External		

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I ssued date: Sep. 07, 2004 16 of 65

3. General Information of Test

Test Site:	Exclusive Certification Corp. 4F-2, No. 28, Lane 78, Xing-Ai Rd. Nei-hu, Taipei City 114 Taiwan R.O.C.			
Test Site Location (OATS1-SD):	No.68-1, Shihbachongsi, shihding Township, Taipei County 223, Taiwan, R.O.C.			
Test Voltage:	AC 110V/ 60Hz for PC			
Test in Compliance with:	ANSI C63.4-1992 FCC Part 15 Subpart C			
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 24620MHz			
Test Distance:	1.The test distance of radiated emission above 1GHz from antenna to EUT is 3 M. 2.The test distance of radiated emission below 1GHz from antenna to EUT is 10 M.			

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Issued date: Sep. 07, 2004 17 of 65

4. Test Result and Data

4.1. Antenna Requirement

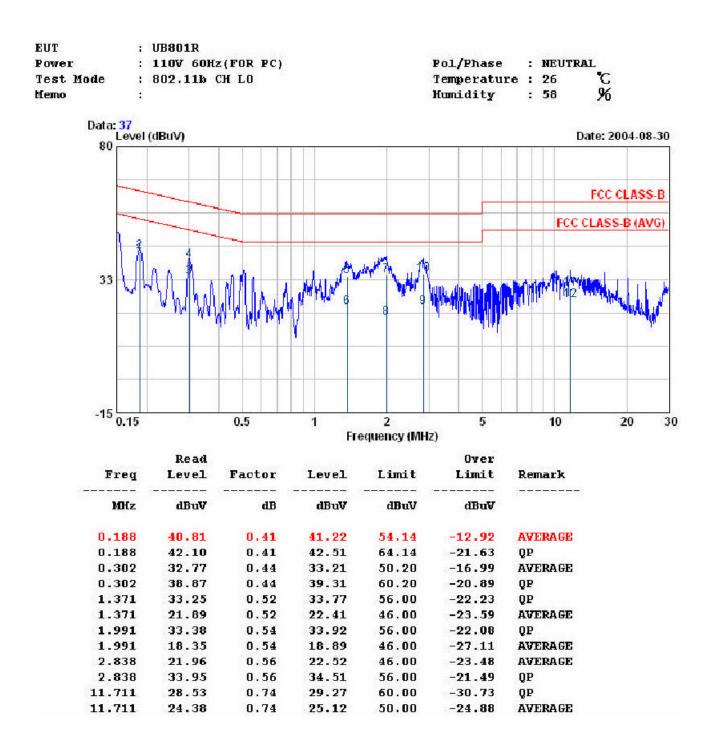
4.1.1. Antenna Construction and Directional Gain

Antenna type: The antenna is designed to be permanently on PCB, no consideration of replacement.

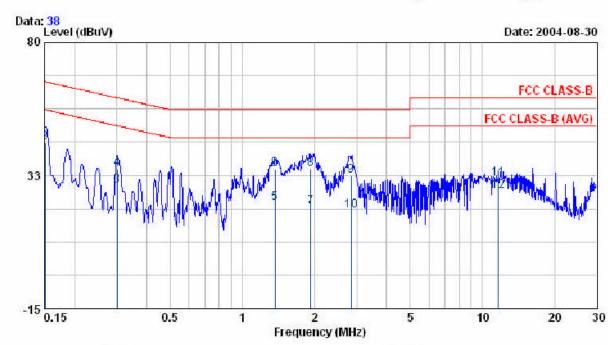
Antenna Gain: 0 dBi.

Exclusive Certification Corp. Tel:886-2-2792-3366 Fax:886-2-2792-1100 Issued date: Sep. 07, 2004 FCC ID: P27UB801R

4.2. Test Result of Conducted Emission

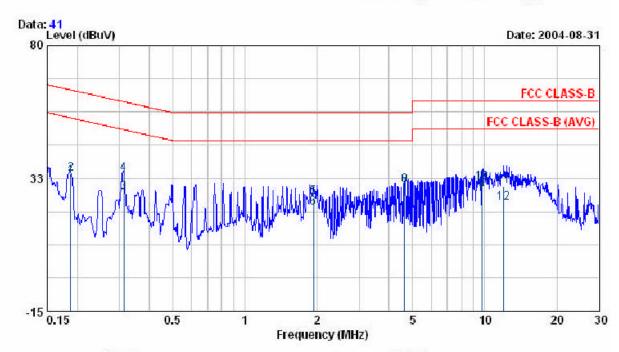




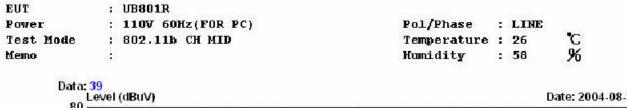


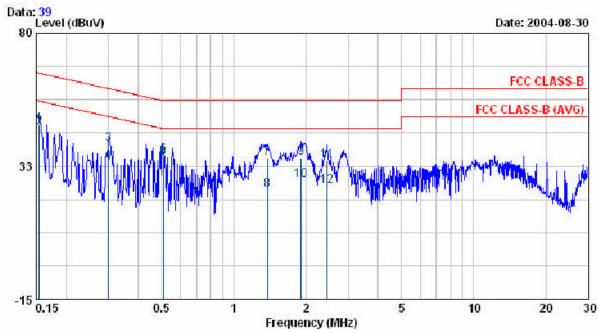
	Read				Over	
Freq	Level	Factor	Level	Limit	Limit	Remark
MHz	dBu V	dB	dBuV	dBuV	dBuV	SOUTH COMMENTS
0.151	41.64	0.40	42.04	55.92	-13.88	AVERAGE
0.151	43.91	0.40	44.31	65.92	-21.61	QP
0.302	28.41	0.44	28.85	50.20	-21.34	AVERAGE
0.302	34.42	0.44	34.86	60.20	-25.33	QP
1.371	22.19	0.52	22.71	46.00	-23.29	AVERAGE
1.371	34.18	0.52	34.70	56.00	-21.30	QP
1.928	20.49	0.54	21.03	46.00	-24.97	AVERAGE
1.928	34.34	0.54	34.88	56.00	-21.12	QP
2.846	31.60	0.56	32.16	56.00	-23.84	QP
2.846	19.30	0.56	19.86	46.00	-26.14	AVERAGE
11.707	30.53	0.67	31.20	60.00	-28.80	QP
11.707	26.04	0.67	26.71	50.00	-23.29	AVERAGE



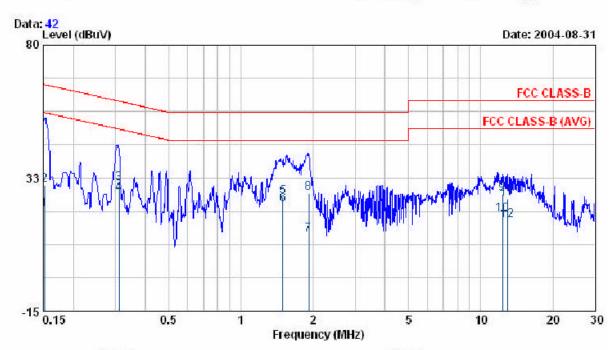


Read				Over		
Level	Factor	Level	Limit	Limit	Remark	
dBu V	dB	dBu V	dBuV	dBuV	1	
32.78	0.41	33.19	54.13	-20.94	AVERAGE	
33.57	0.41	33.98	64.13	-30.15	QP	
27.06	0.44	27.50	49.90	-22.40	AVERAGE	
33.75	0.44	34.19	59.90	-25.71	QP	
25.30	0.54	25.84	56.00	-30.16	QP	
21.50	0.54	22.04	46.00	-23.96	AVERAGE	
28.01	0.60	28.61	46.00	-17.39	AVERAGE	
29.29	0.60	29.89	56.00	-26.11	QP	
27.40	0.72	28.12	50.00	-21.88	AVERAGE	
30.26	0.72	30.98	60.00	-29.02	QP	
28.75	0.74	29.49	60.00	-30.51	QP	
23.02	0.74	23.76	50.00	-26.24	AVERAGE	
	Level dBuV 32.78 33.57 27.06 33.75 25.30 21.50 28.01 29.29 27.40 30.26 28.75	Level Factor dBuV dB 32.78 0.41 33.57 0.41 27.06 0.44 33.75 0.44 25.30 0.54 21.50 0.54 21.50 0.54 28.01 0.60 29.29 0.60 27.40 0.72 30.26 0.72 28.75 0.74	Level Factor Level dBuV dB dBuV 32.78 0.41 33.19 33.57 0.41 33.98 27.06 0.44 27.50 33.75 0.44 34.19 25.30 0.54 25.84 21.50 0.54 22.04 28.01 0.60 28.61 29.29 0.60 29.89 27.40 0.72 28.12 30.26 0.72 30.98 28.75 0.74 29.49	Level Factor Level Limit dBuV dB dBuV dBuV 32.78 0.41 33.19 54.13 33.57 0.41 33.98 64.13 27.06 0.44 27.50 49.90 33.75 0.44 34.19 59.90 25.30 0.54 25.84 56.00 21.50 0.54 22.04 46.00 28.01 0.60 28.61 46.00 29.29 0.60 29.89 56.00 27.40 0.72 28.12 50.00 30.26 0.72 30.98 60.00 28.75 0.74 29.49 60.00	Level Factor Level Limit Limit dBuV dB dBuV dBuV dBuV 32.78 0.41 33.19 54.13 -20.94 33.57 0.41 33.98 64.13 -30.15 27.06 0.44 27.50 49.90 -22.40 33.75 0.44 34.19 59.90 -25.71 25.30 0.54 25.84 56.00 -30.16 21.50 0.54 22.04 46.00 -23.96 28.01 0.60 28.61 46.00 -17.39 29.29 0.60 29.89 56.00 -26.11 27.40 0.72 28.12 50.00 -21.88 30.26 0.72 30.98 60.00 -29.02 28.75 0.74 29.49 60.00 -30.51	Level Factor Level Limit Limit Remark dBuV dB dBuV dBuV dBuV 32.78 0.41 33.19 54.13 -20.94 AVERAGE 33.57 0.41 33.98 64.13 -30.15 QP 27.06 0.44 27.50 49.90 -22.40 AVERAGE 33.75 0.44 34.19 59.90 -25.71 QP 25.30 0.54 25.84 56.00 -30.16 QP 21.50 0.54 22.04 46.00 -23.96 AVERAGE 28.01 0.60 28.61 46.00 -17.39 AVERAGE 29.29 0.60 29.89 56.00 -26.11 QP 27.40 0.72 28.12 50.00 -21.88 AVERAGE 30.26 0.72 30.98 60.00 -29.02 QP 28.75 0.74 29.49 60.00 -30.51 QP



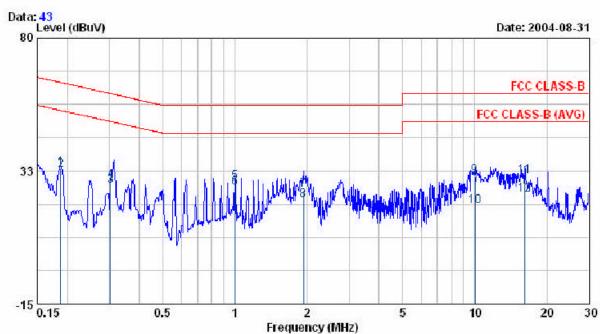


		Over	
Level	Limit	Limit	Remark
dBu V	dBuV	dB uV	
47.22	65.74	-18.52	QP
46.15	55.74	-9.59	AVERAGE
40.41	60.22	-19.81	QP
33.72	50.22	-16.50	AVERAGE
36.24	56.00	-19.76	QP
35.38	46.00	-10.62	AVERAGE
35.55	56.00	-20.45	QP
24.13	46.00	-21.87	AVERAGE
35.60	56.00	-20.40	QP
27.34	46.00	-18.66	AVERAGE
34.54	56.00	-21.46	QP
25.37	46.00	-20.63	AVERAGE
	dBuV 47.22 46.15 40.41 33.72 36.24 35.38 35.55 24.13 35.60 27.34 34.54	dBuV dBuV 47.22 65.74 46.15 55.74 40.41 60.22 33.72 50.22 36.24 56.00 35.38 46.00 35.55 56.00 24.13 46.00 35.60 56.00 27.34 46.00 34.54 56.00	Level Limit Limit



	Read				0ver	
Freq	Level	Factor	Level	Limit	Limit	Remark
MHz	dBu V	dB	dBu V	dBuV	d BuV	
0.153	20.88	0.40	21.28	55.86	-34.58	AVERAGE
0.153	29.34	0.40	29.74	65.86	-36.12	QP
0.311	30.24	0.44	30.68	59.96	-29.27	QP
0.311	26.34	0.44	26.78	49.96	-23.17	AVERAGE
1.498	25.30	0.53	25.83	56.00	-30.17	QP
1.498	22.29	0.53	22.82	46.00	-23.18	AVERAGE
1.915	11.60	0.54	12.14	46.00	-33.86	AVERAGE
1.915	26.54	0.54	27.08	56.00	-28.92	QP
12.321	26.12	0.74	26.86	60.00	-33.14	QP
12.321	18.86	0.74	19.60	50.00	-30.40	AVERAGE
12.941	24.26	0.74	25.00	60.00	-35.00	QP
12.941	16.72	0.74	17.46	50.00	-32.54	AVERAGE





Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBu V	dB	dBu V	dBuV	dBuV	
0.188	32.95	0.41	33.36	64.12	-30.75	QP
0.188	32.19	0.41	32.60	54.12	-21.51	AVERAGE
0.303	26.75	0.44	27.19	50.16	-22.97	AVERAGE
0.303	28.46	0.44	28.90	60.16	-31.26	QP
1.003	28.06	0.51	28.57	56.00	-27.43	QP
1.003	26.04	0.51	26.55	46.00	-19.45	AVERAGE
1.940	25.24	0.54	25.78	56.00	-30.22	QP
1.940	21.26	0.54	21.80	46.00	-24.20	AVERAGE
10.033	30.05	0.63	30.68	60.00	-29.32	QP
10.033	19.26	0.63	19.89	50.00	-30.11	AVERAGE
16.224	29.84	0.79	30.63	60.00	-29.37	QP
16.224	23.24	0.79	24.03	50.00	-25.97	AVERAGE