

# 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	IEEE802.11g Wireless PC Card
Model No.	CB801AS
FCC ID	P27CB801AS
Trade Name	SerComm

Laboratory accreditation



1332

- 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.
- The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

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# 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	IEEE802.11g Wireless PC Card
Model No.	CB801AS
FCC ID	P27CB801AS

#### 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 (2003)**. The test was carried out on May. 10, 2005 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 engineer: Jerry

## 2. Test Configuration of Equipment under Test

### 2.1. RF Module Specifications

Standards:	IEEE 802.11b, IEEE 802.11g
Computer slot type:	CardBus
Chipset	Atheros AR2414(CB801AS)/AR2413(CB801A)
Receive Sensitivity:	
802.11g	54Mbps: -70dBm, 10% PER
	48Mbps: -72dBm, 10% PER
	36Mbps: -75dBm, 10% PER
	24Mbps: -80dBm, 10% PER
	18Mbps: -82dBm, 10% PER
	12Mbps: -84dBm, 10% PER
	9Mbps: -87dBm, 10% PER
	6Mbps: -88dBm, 10% PER
802.11b	11Mbps: -86dBm, 8% PER
	5.5Mbps: -88dBm, 8% PER
	2Mbps: -89dBm, 8% PER
	1Mbps: -91dBm, 8% PER
802.11 Super G	108Mbps: -73.dBm
Data Rates:	
802.11g:	54, 48, 36, 24, 18, 12, 9 and 6 Mbps
802.11b:	11, 5.5, 2 and 1 Mbps
Frequency Band:	
802.11b/11g:	2.4 ~ 2.4835 GHz
Modulation Technique:	
802.11g:	OFDM and DSSS
802.11b:	DSSS
Media Access Protocol:	CSMA/CA
Operating Voltage:	3.3V +/- 5%
Transmit Power:	
802.11g:	14+/- 2 dBm
802.11b:	16 +/- 2 dBm
Security:	WPA; 128-bit AES encryption, 40/64-, 128-, and 152-bit WEP shared-key encryption MD5, 802.1x, and EAP-MD5,EAP-TLS, and PEAP authentication

## 2.2. Feature of Equipment under Test

Chipset:	Atheros AR2414
Bus Type:	CardBus
Data Rates :	54, 48, 36, 24, 18, 12, 9, and 6 Mbps (802.11g) 11, 5.5, 2, 1 Mbps (802.11b)
Frequency Band :	2.412GHz to 2.462GHz
Wireless Medium :	DSSS and OFDM
Media Access Protocol:	CSMA/CA
Operating Channels:	FCC:1-11、 ETSI:1-13、 Japan:1-13
Operating Range:	Indoors: Up to 328 ft (100 meters) Outdoors: Up to 1312 ft (400 meters)
Receive Sensitivity :	802.11g (54 Mbps: -70 dBm, 48 Mbps: -72 dBm, 36 Mbps: -77 dBm, 24 Mbps: -80 dBm, 18 Mbps: -82 dBm, 12 Mbps: -85 dBm, 9 Mbps: -86 dBm, 6 Mbps: -88 dBm) 802.11b (11 Mbps: -86 dBm, 5.5 Mbps: -89 dBm, 2 Mbps: -91 dBm, 1 Mbps: -91 dBm)
Media Access Protocol:	CSMA/CA
Transmit Power:	802.11g: 14±2 dBm, 802.11b: 16±2 dBm
Security :	64/128-bit WEP, WPA—Wi-Fi Protected Access
Standards Conformance:	WPA certified, IEEE 802.11g, IEEE 802.11b
Environmental Range:	Operating temperature: 0° to 40°C (32° to 104°F) Operating humidity: 0 to 90% non-condensing
System Requirements:	Notebook PC must be running Windows 98SE/ME/XP/ 2000

### 2.3. Test Mode and Test Software

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

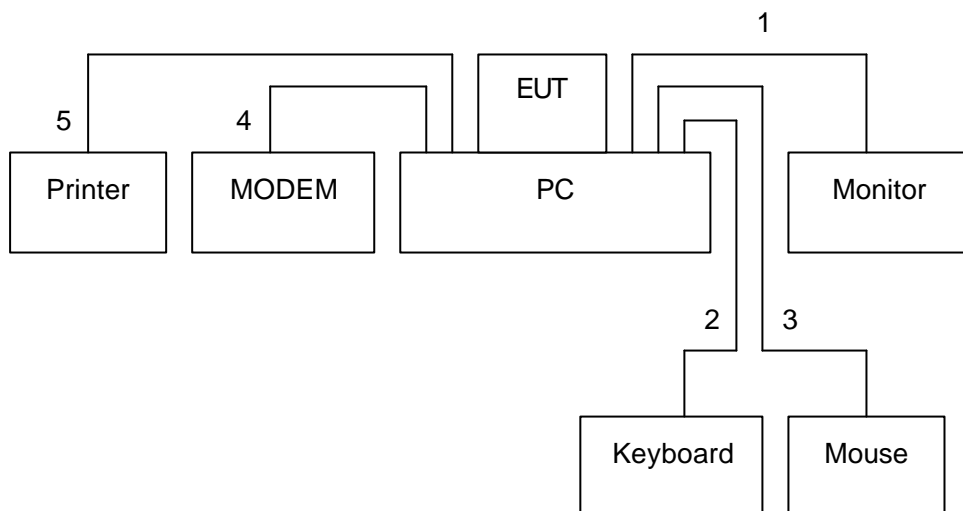
- 802.11b (CH LO: 2412MHz) • 802.11b (CH MID: 2437MHz) • 802.11b (CH HI: 2462MHz)
- 802.11g (CH LO: 2412MHz) • 802.11g (CH MID: 2437MHz) • 802.11g (CH HI: 2462MHz)
- 802.11 super g (CH 6: 2437MHz)
- An executive programs, "DUTAPIDLL.EXE" Application under WIN XP.

### 2.4. Description of Test System

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
Modem	ACEXX	DM-1414	Power Cable, Adapter Unshielding 1.8 m Data Cable, RS232 Unshielding 1.35 m
Printer	HP	Desk Jet400	Power Cable, Adapter Unshielding 1.8 m Data Cable, PRINT Shielding 1.6 m



## 2.5. 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.
4. The I/O cable is connected from PC to the MODEM
5. The I/O cable is connected from PC to the Printer.

## 2.6. 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
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart C
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 24620MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.

## 2.7. History of this test report

ORIGINAL.

### 3. Antenna Requirements

#### 3.1. 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.

#### 3.2. Antenna Construction and Directional Gain

Antenna type : The antenna is designed to be permanently on PCB, No

Consideration of replacement

Antenna Gain: 0 dBi

## 4. Test of Conducted Emission

### 4.1. Test Limit

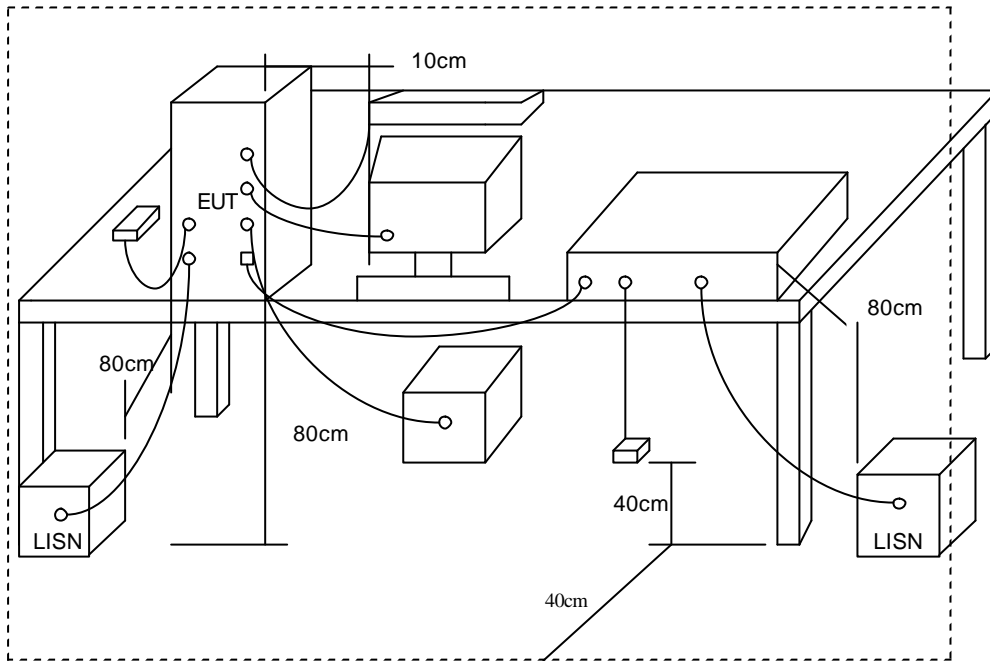
Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 115 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-1992 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown 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.

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

### 4.2. 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 micro-henry LISN should be used.
- f. 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.

### 4.3. Typical Test Setup



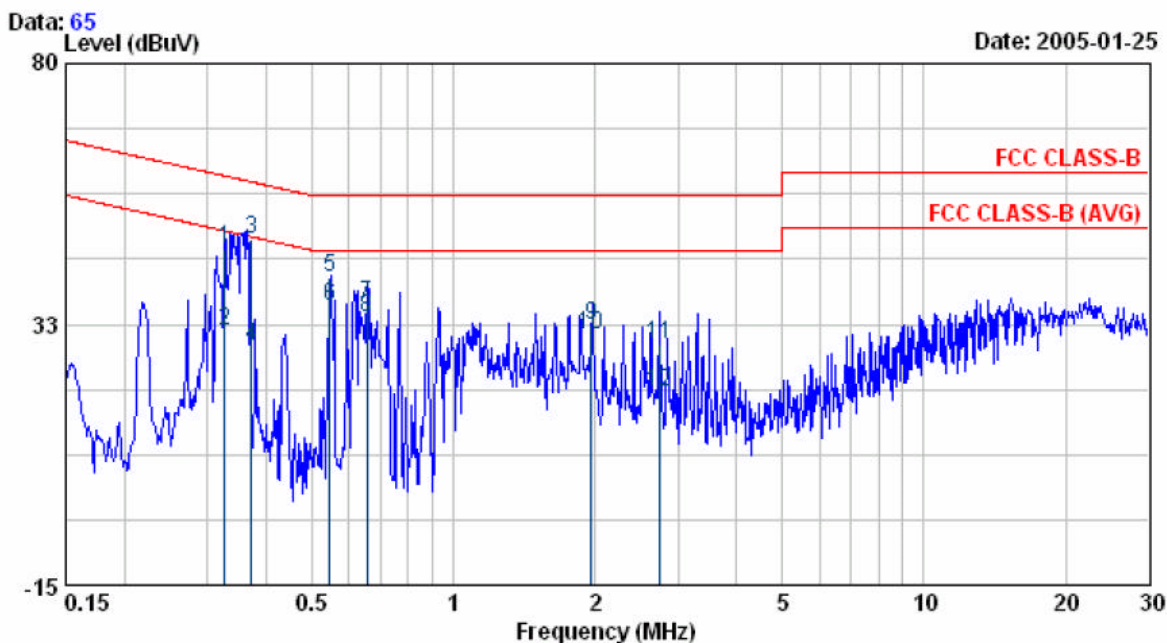
### 4.4. Measurement equipment

Instrument/Ancillary	Type	Manufacturer	Valid Date.
Receiver	SCR3501	Schaffner	2005/11/03
LISN	NNB-2/16Z	MESS TEC	2006/03/30
LISN	NNB-2/16Z	ROLF HEINE	2006/05/01
ISN	FCC	FCC-TLISN-T4-02	2005/06/10

4.5. Test Result and Data

EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11b CH L0  
 Memo :

Pol/Phase : NEUTRAL  
 Temperature : 26 °C  
 Humidity : 63 %

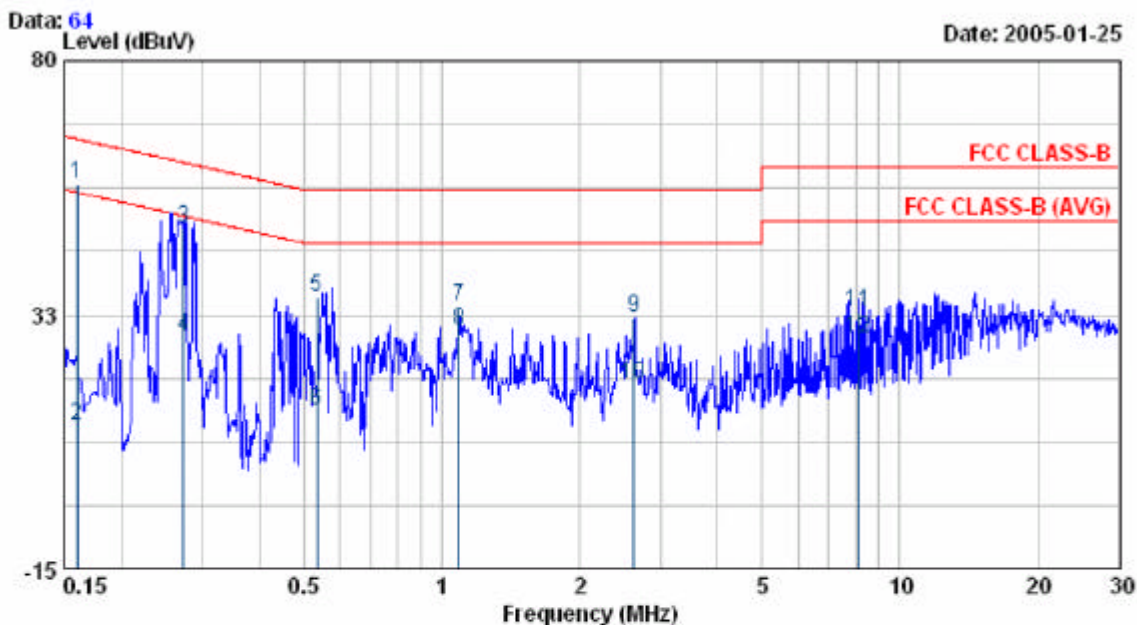


Freq MHz	Read Level dBuV	Factor dB	Level dBuV	Limit dBuV	Over Limit dBuV	Remark
0.327	45.94	0.45	46.39	59.52	-13.14	QP
0.327	30.80	0.45	31.25	49.52	-18.28	AVERAGE
0.373	47.38	0.45	47.83	58.44	-10.61	QP
0.373	27.97	0.45	28.42	48.44	-20.02	AVERAGE
0.545	40.60	0.48	41.08	56.00	-14.92	QP
0.545	35.34	0.48	35.82	46.00	-10.18	AVERAGE
0.656	35.51	0.49	36.00	56.00	-20.00	QP
0.656	33.25	0.49	33.74	46.00	-12.26	AVERAGE
1.967	31.65	0.54	32.19	56.00	-23.81	QP
1.967	30.18	0.54	30.72	46.00	-15.28	AVERAGE
2.732	28.21	0.56	28.77	56.00	-27.23	QP
2.732	19.74	0.56	20.30	46.00	-25.70	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11b CH LO  
 Memo :

Pol/Phase : LINE  
 Temperature : 25 °C  
 Humidity : 63 %

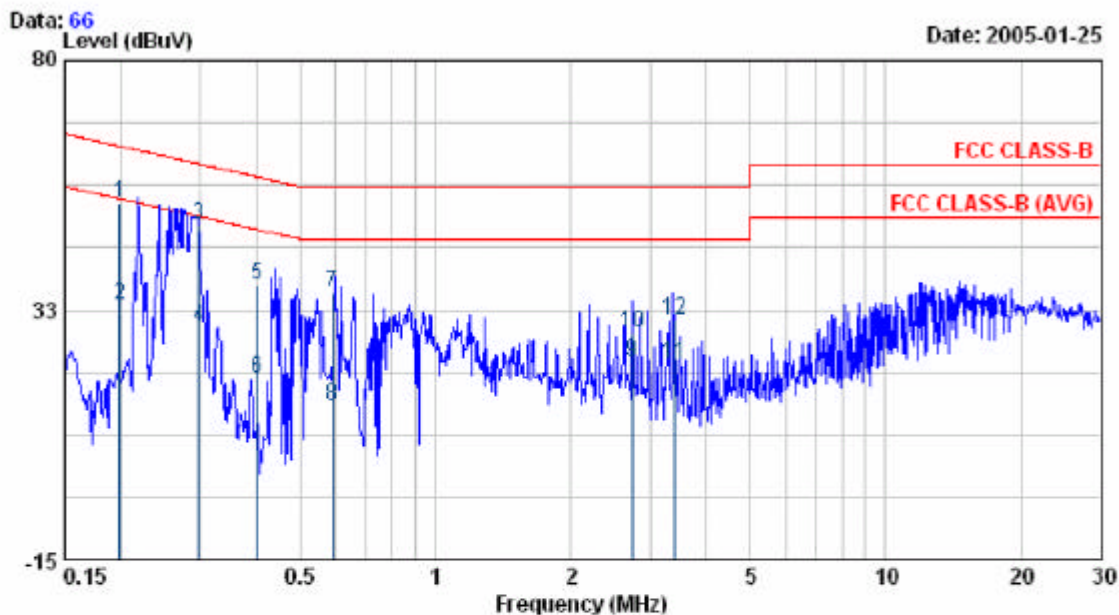


Freq MHz	Read Level dBuV	Factor dB	Level dBuV	Limit dBuV	Over Limit dBuV	Remark
0.160	56.80	0.40	57.20	65.47	-8.27	QP
0.160	11.48	0.40	11.88	55.47	-43.59	AVERAGE
0.274	48.39	0.44	48.83	61.00	-12.17	QP
0.274	27.90	0.44	28.34	51.00	-22.66	AVERAGE
0.532	35.45	0.48	35.93	56.00	-20.07	QP
0.532	14.24	0.48	14.72	46.00	-31.28	AVERAGE
1.093	33.42	0.51	33.93	56.00	-22.07	QP
1.093	29.08	0.51	29.59	46.00	-16.41	AVERAGE
2.618	31.30	0.55	31.85	56.00	-24.15	QP
2.618	18.89	0.55	19.44	46.00	-26.56	AVERAGE
8.088	32.55	0.61	33.16	60.00	-26.84	QP
8.088	27.40	0.61	28.01	50.00	-21.99	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11b CH MID  
 Memo :

Pol/Phase : NEUTRAL  
 Temperature : 26 °C  
 Humidity : 63 %



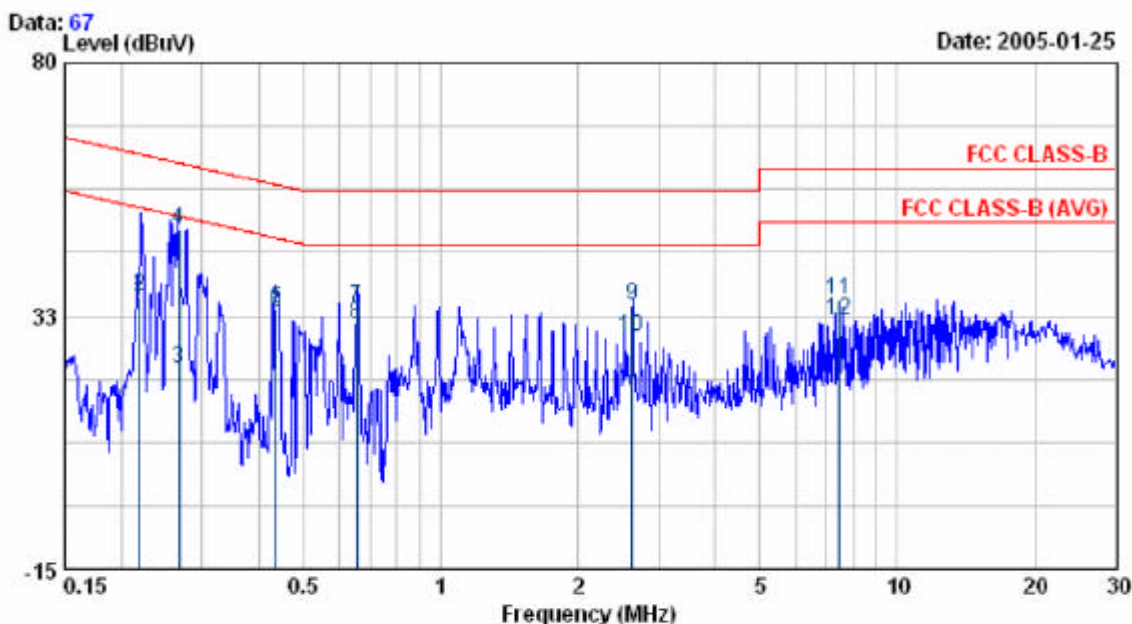
Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.199	52.53	0.42	52.95	63.66	-10.71	QP
0.199	33.07	0.42	33.49	53.66	-20.17	AVERAGE
0.298	48.37	0.44	48.81	60.30	-11.48	QP
0.298	28.80	0.44	29.24	50.30	-21.05	AVERAGE
0.401	36.67	0.46	37.13	57.84	-20.71	QP
0.401	19.02	0.46	19.48	47.84	-28.36	AVERAGE
0.592	35.39	0.48	35.87	56.00	-20.13	QP
0.592	13.64	0.48	14.12	46.00	-31.88	AVERAGE
2.734	22.12	0.56	22.68	46.00	-23.32	AVERAGE
2.734	27.64	0.56	28.20	56.00	-27.80	QP
3.393	21.78	0.57	22.35	46.00	-23.65	AVERAGE
3.393	30.16	0.57	30.73	56.00	-25.27	QP

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss



EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11b CH MID  
 Memo :

Pol/Phase : LINE  
 Temperature : 26 °C  
 Humidity : 63 %

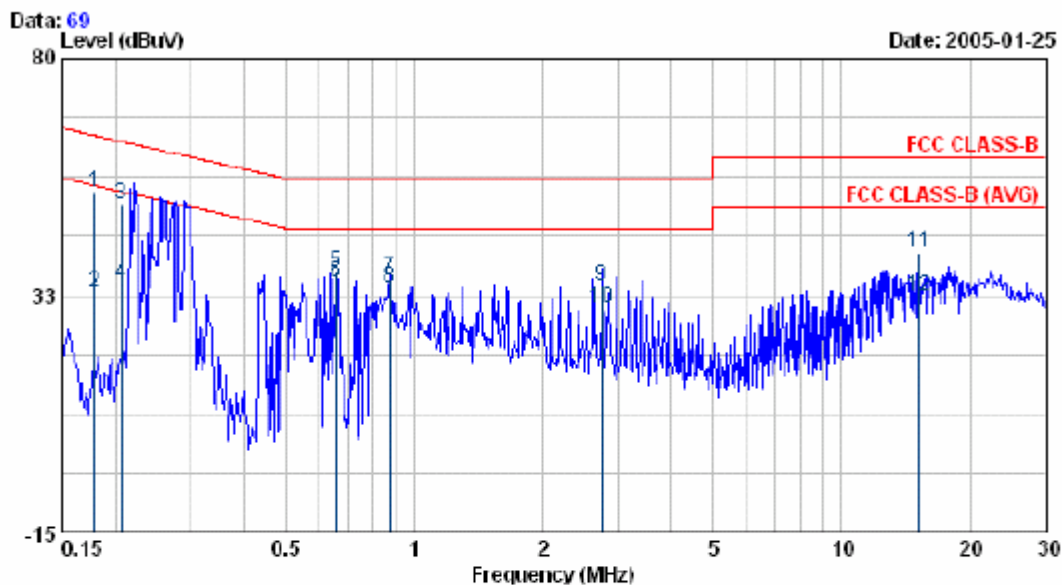


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.218	34.77	0.42	35.19	52.89	-17.69	AVERAGE
0.218	35.69	0.42	36.11	62.89	-26.77	QP
0.267	22.27	0.43	22.70	51.20	-28.50	AVERAGE
0.267	48.38	0.43	48.81	61.20	-12.39	QP
0.436	33.09	0.46	33.55	57.13	-23.58	QP
0.436	32.73	0.46	33.19	47.13	-13.94	AVERAGE
0.656	33.74	0.49	34.23	56.00	-21.77	QP
0.656	30.47	0.49	30.96	46.00	-15.04	AVERAGE
2.625	33.74	0.55	34.29	56.00	-21.71	QP
2.625	27.90	0.55	28.45	46.00	-17.55	AVERAGE
7.432	34.83	0.60	35.43	60.00	-24.57	QP
7.432	31.16	0.60	31.76	50.00	-18.24	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EUT : CE801AS  
 Power : 110V 60Hz  
 Test Mode : 602.11b CH HI  
 Memo :

Pol/Phase : NEUTRAL  
 Temperature : 25 °C  
 Humidity : 63 %

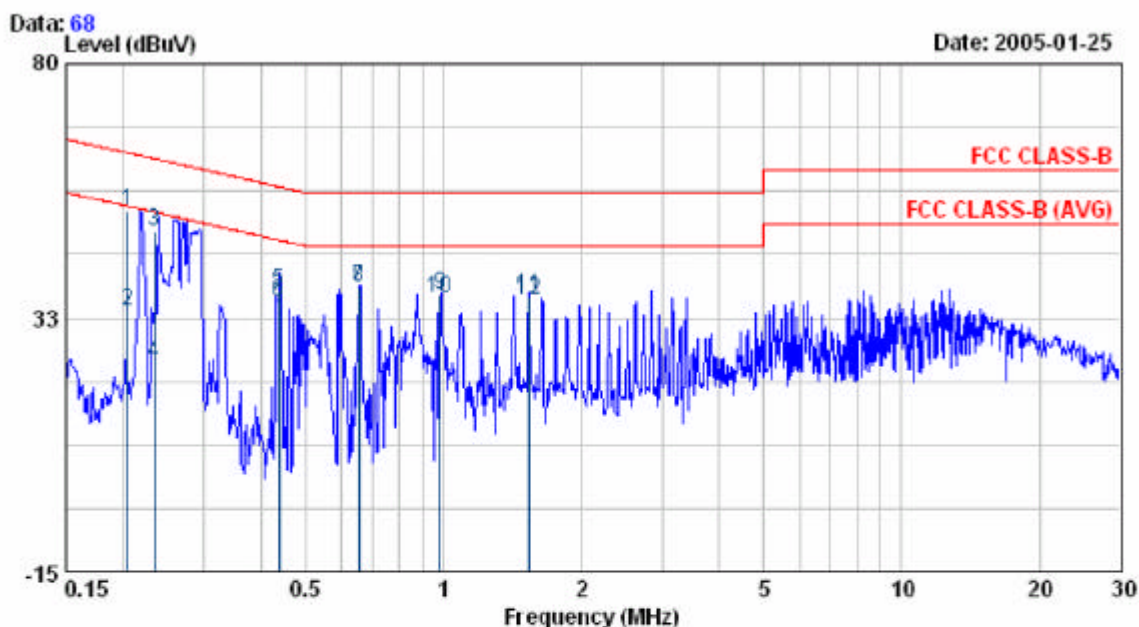


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.178	52.95	0.41	53.36	64.60	-11.24	QP
0.178	32.65	0.41	33.06	54.60	-21.54	AVERAGE
0.206	50.49	0.42	50.90	63.39	-12.49	QP
0.206	34.50	0.42	34.92	53.39	-18.47	AVERAGE
0.656	36.81	0.49	37.30	56.00	-18.70	QP
0.656	34.63	0.49	35.12	46.00	-10.88	AVERAGE
0.876	35.20	0.50	35.70	56.00	-20.30	QP
0.876	33.40	0.50	33.90	46.00	-12.10	AVERAGE
2.734	33.72	0.56	34.28	56.00	-21.72	QP
2.734	29.26	0.56	29.82	46.00	-16.18	AVERAGE
15.196	40.22	0.76	40.98	60.00	-19.02	QP
15.196	31.47	0.76	32.23	50.00	-17.77	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(1SN) Factor + Cable Loss

EUT : C8801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11b CH HI  
 Memo :

Pol/Phase : LINE  
 Temperature : 26 °C  
 Humidity : 63 %

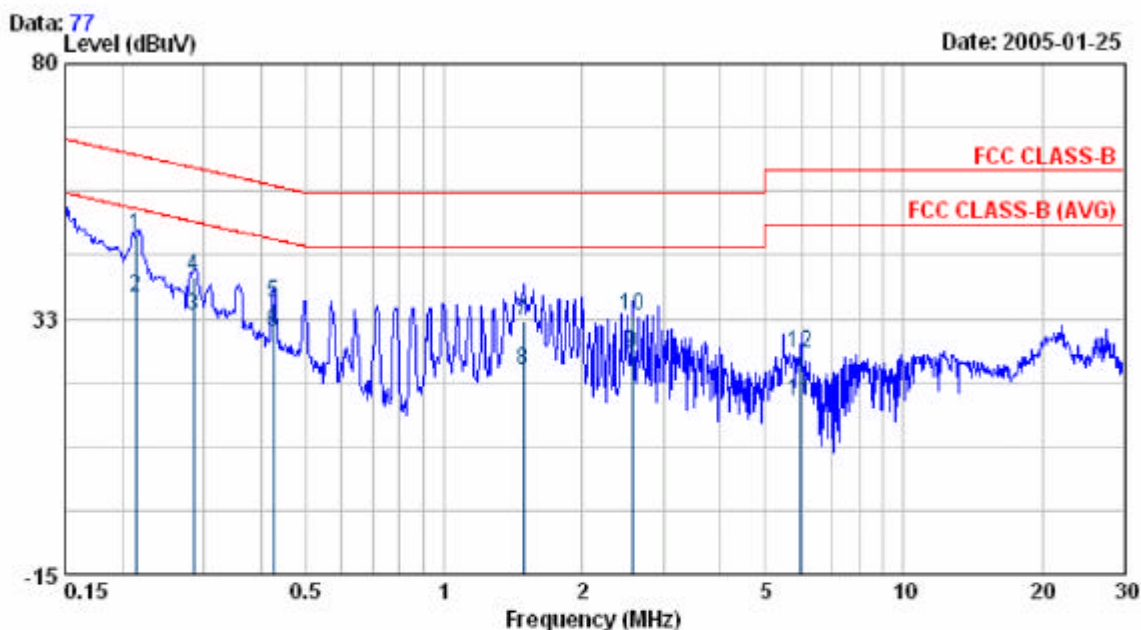


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.205	52.11	0.42	52.53	63.42	-10.89	QP
0.205	33.39	0.42	33.81	53.42	-19.61	AVERAGE
0.234	48.33	0.43	48.76	62.30	-13.55	QP
0.234	23.57	0.43	24.00	52.30	-28.31	AVERAGE
0.437	37.22	0.46	37.68	57.11	-19.43	QP
0.437	34.96	0.46	35.42	47.11	-11.69	AVERAGE
0.656	37.84	0.49	38.33	56.00	-17.67	QP
0.656	37.61	0.49	38.10	46.00	-7.90	AVERAGE
0.983	36.23	0.51	36.74	56.00	-19.26	QP
0.983	35.50	0.51	36.01	46.00	-9.99	AVERAGE
1.531	35.94	0.53	36.47	56.00	-19.53	QP
1.531	35.27	0.53	35.80	46.00	-10.20	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11g CH L0  
 Memo :

Pol/Phase : NEUTRAL  
 Temperature : 26 °C  
 Humidity : 63 %

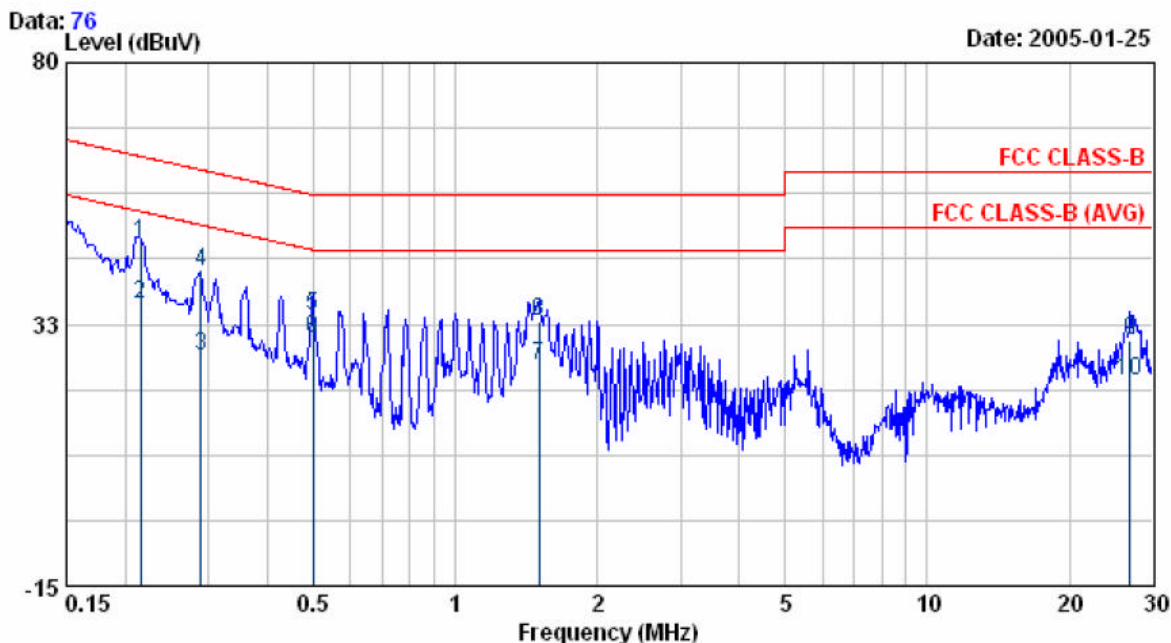


Freq MHz	Read Level dBuV	Factor dB	Level dBuV	Limit dBuV	Over Limit dBuV	Remark
0.213	47.58	0.42	48.00	63.08	-15.07	QP
0.213	36.20	0.42	36.62	53.08	-16.45	AVERAGE
0.285	32.50	0.44	32.94	50.67	-17.74	AVERAGE
0.285	39.91	0.44	40.35	60.67	-20.33	QP
0.426	34.85	0.46	35.31	57.33	-22.01	QP
0.426	29.30	0.46	29.76	47.33	-17.56	AVERAGE
1.487	31.43	0.53	31.96	56.00	-24.04	QP
1.487	22.47	0.53	23.00	46.00	-23.00	AVERAGE
2.559	25.49	0.55	26.04	46.00	-19.96	AVERAGE
2.559	32.43	0.55	32.98	56.00	-23.02	QP
5.977	16.29	0.64	16.93	50.00	-33.07	AVERAGE
5.977	25.57	0.64	26.21	60.00	-33.79	QP

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11g CH LO  
 Memo :

Pol/Phase : LINE  
 Temperature : 26 °C  
 Humidity : 63 %

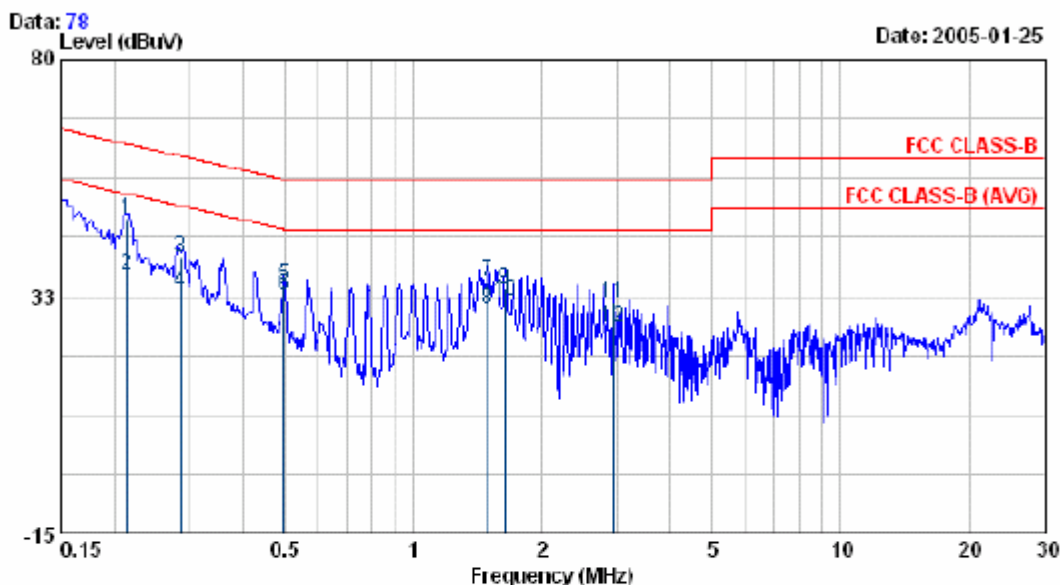


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.216	46.80	0.42	47.22	62.98	-15.75	QP
0.216	35.70	0.42	36.12	52.98	-16.85	AVERAGE
0.289	26.20	0.44	26.64	50.54	-23.91	AVERAGE
0.289	41.70	0.44	42.14	60.54	-18.41	QP
0.499	33.60	0.47	34.07	56.01	-21.94	QP
0.499	29.31	0.47	29.78	46.01	-16.23	AVERAGE
1.503	24.39	0.53	24.92	46.00	-21.08	AVERAGE
1.503	32.50	0.53	33.03	56.00	-22.97	QP
26.837	28.35	1.25	29.60	60.00	-30.40	QP
26.837	21.00	1.25	22.25	50.00	-27.75	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EUT : CE801AS  
 Power : 110V 60Hz  
 Test Mode : E02.11g CH N10  
 Memo :

Pol/Phase : NEUTRAL  
 Temperature : 26 °C  
 Humidity : 63 %

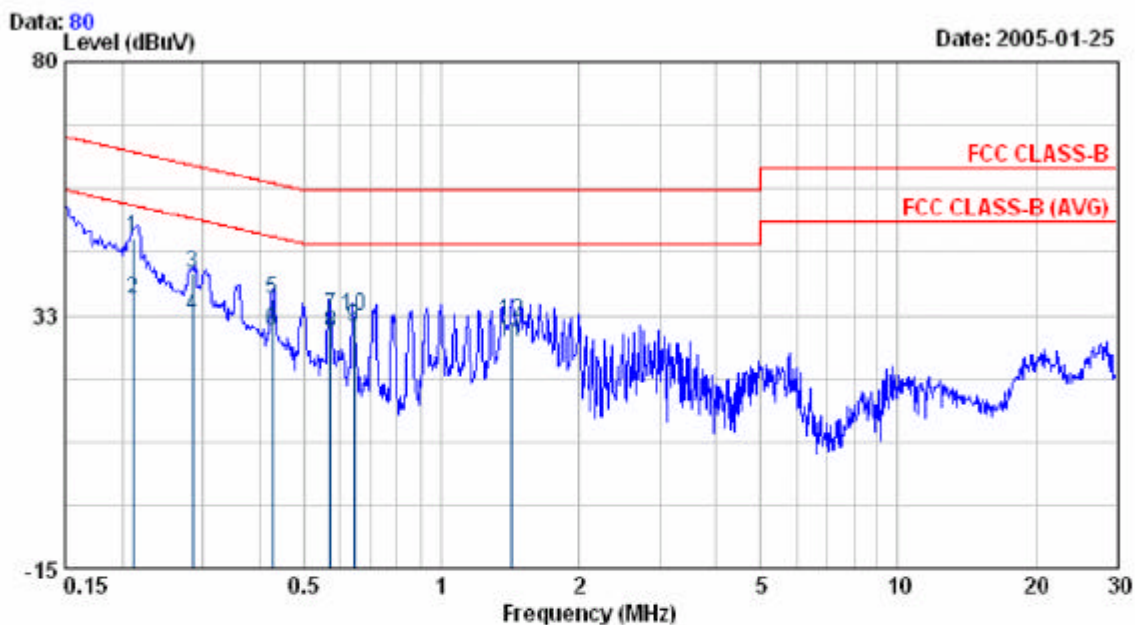


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.214	47.59	0.42	48.01	63.07	-15.06	QP
0.214	36.57	0.42	36.99	53.07	-16.08	AVERAGE
0.285	39.84	0.44	40.28	60.67	-20.39	QP
0.285	32.90	0.44	33.34	50.67	-17.33	AVERAGE
0.497	34.18	0.47	34.65	56.04	-21.39	QP
0.497	32.19	0.47	32.66	46.04	-13.38	AVERAGE
1.493	34.85	0.53	35.38	56.00	-20.62	QP
1.493	29.52	0.53	30.05	46.00	-15.95	AVERAGE
1.635	33.37	0.53	33.90	56.00	-22.10	QP
1.635	31.09	0.53	31.62	46.00	-14.38	AVERAGE
2.915	30.58	0.56	31.14	56.00	-24.86	QP
2.915	25.79	0.56	26.35	46.00	-19.65	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN (ISN) Factor + Cable Loss

EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : B02.11g CH MID  
 Memo :

Pol/Phase : LINE  
 Temperature : 26 °C  
 Humidity : 63 %

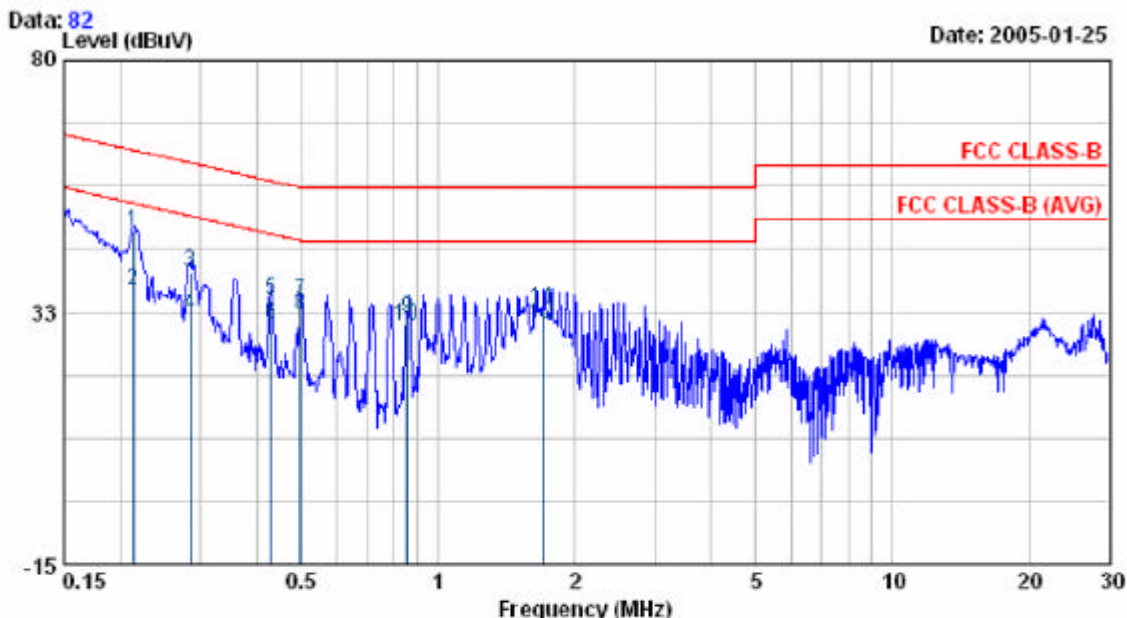


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.212	46.67	0.42	47.09	63.13	-16.04	QP
0.212	35.13	0.42	35.55	53.13	-17.58	AVERAGE
0.285	39.80	0.44	40.24	60.68	-20.44	QP
0.285	31.94	0.44	32.38	50.68	-18.30	AVERAGE
0.426	35.01	0.46	35.47	57.32	-21.85	QP
0.426	29.04	0.46	29.50	47.32	-17.82	AVERAGE
0.572	31.86	0.48	32.34	56.00	-23.66	QP
0.572	28.76	0.48	29.24	46.00	-16.76	AVERAGE
0.642	29.66	0.49	30.15	46.00	-15.85	AVERAGE
0.642	31.78	0.49	32.27	56.00	-23.73	QP
1.425	26.97	0.53	27.50	46.00	-18.50	AVERAGE
1.425	30.90	0.53	31.43	56.00	-24.57	QP

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11g CH HI  
 Memo :

Pol/Phase : NEUTRAL  
 Temperature : 26 °C  
 Humidity : 63 %



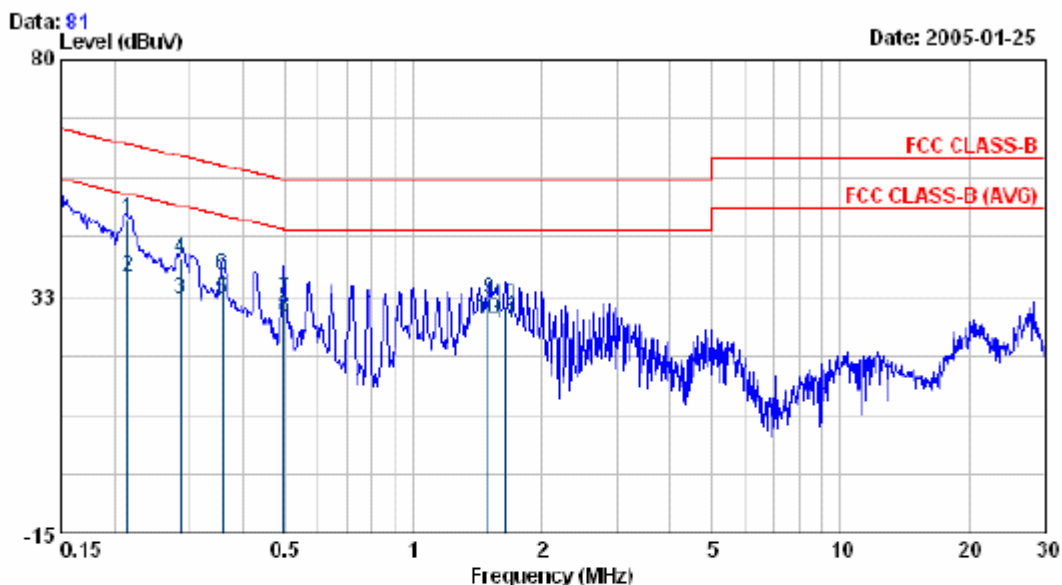
Freq MHz	Read Level dBuV	Factor dB	Level dBuV	Limit dBuV	Over Limit dBuV	Remark
0.214	47.13	0.42	47.55	63.05	-15.50	QP
0.214	36.00	0.42	36.42	53.05	-16.63	AVERAGE
0.285	39.49	0.44	39.93	60.66	-20.73	QP
0.285	31.52	0.44	31.96	50.66	-18.70	AVERAGE
0.428	34.35	0.46	34.81	57.30	-22.48	QP
0.428	29.73	0.46	30.19	47.30	-17.10	AVERAGE
0.498	34.03	0.47	34.50	56.03	-21.53	QP
0.498	31.68	0.47	32.15	46.03	-13.88	AVERAGE
0.856	30.81	0.50	31.31	56.00	-24.69	QP
0.856	29.37	0.50	29.87	46.00	-16.13	AVERAGE
1.709	32.48	0.53	33.02	56.00	-22.99	QP
1.709	29.85	0.53	30.39	46.00	-15.62	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss



EUT : CB601AS  
 Power : 110V 60Hz  
 Test Mode : 802.11g CH HI  
 Memo :

Pol/Phase : LINE  
 Temperature : 26 °C  
 Humidity : 63 %

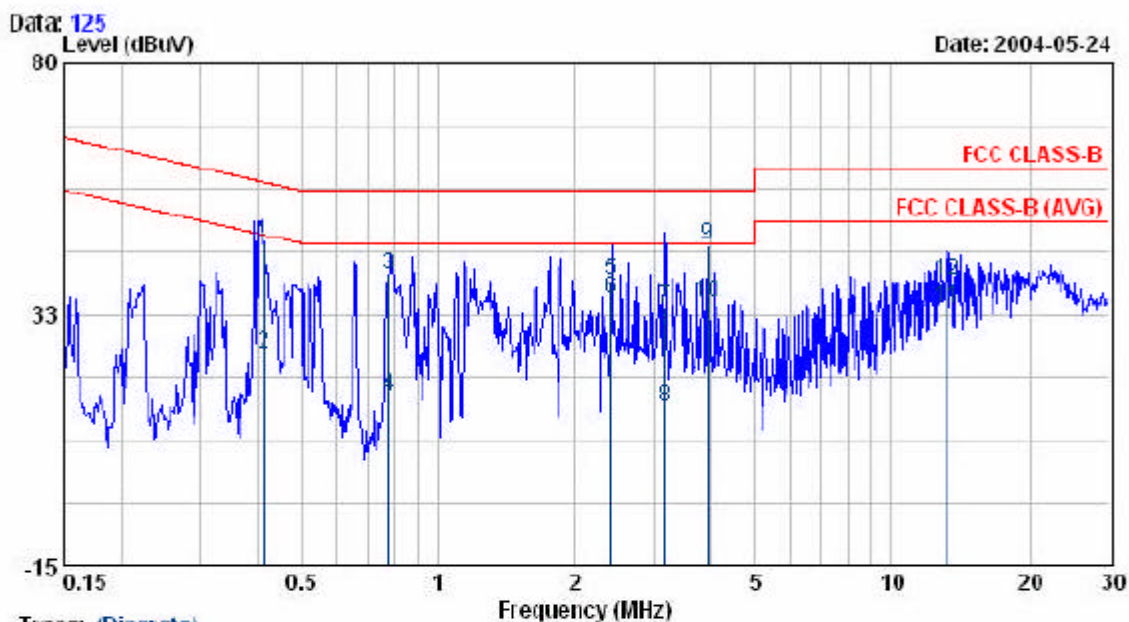


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.214	47.48	0.42	47.90	63.04	-15.14	QP
0.214	36.02	0.42	36.44	53.04	-16.60	AVERAGE
0.286	31.52	0.44	31.96	50.65	-18.69	AVERAGE
0.286	39.54	0.44	39.98	60.65	-20.67	QP
0.356	31.47	0.45	31.92	48.82	-16.90	AVERAGE
0.356	36.37	0.45	36.82	58.82	-22.00	QP
0.498	31.59	0.47	32.06	56.04	-23.98	QP
0.498	28.08	0.47	28.55	46.04	-17.49	AVERAGE
1.497	31.29	0.53	31.82	56.00	-24.18	QP
1.497	27.31	0.53	27.84	46.00	-18.16	AVERAGE
1.639	25.47	0.53	27.00	46.00	-19.00	AVERAGE
1.639	30.11	0.53	30.64	56.00	-25.36	QP

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EUT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11SUPER G CH6  
 Memo :

Pol/Phase : NEUTRAL  
 Temperature : 26 °C  
 Humidity : 63 %



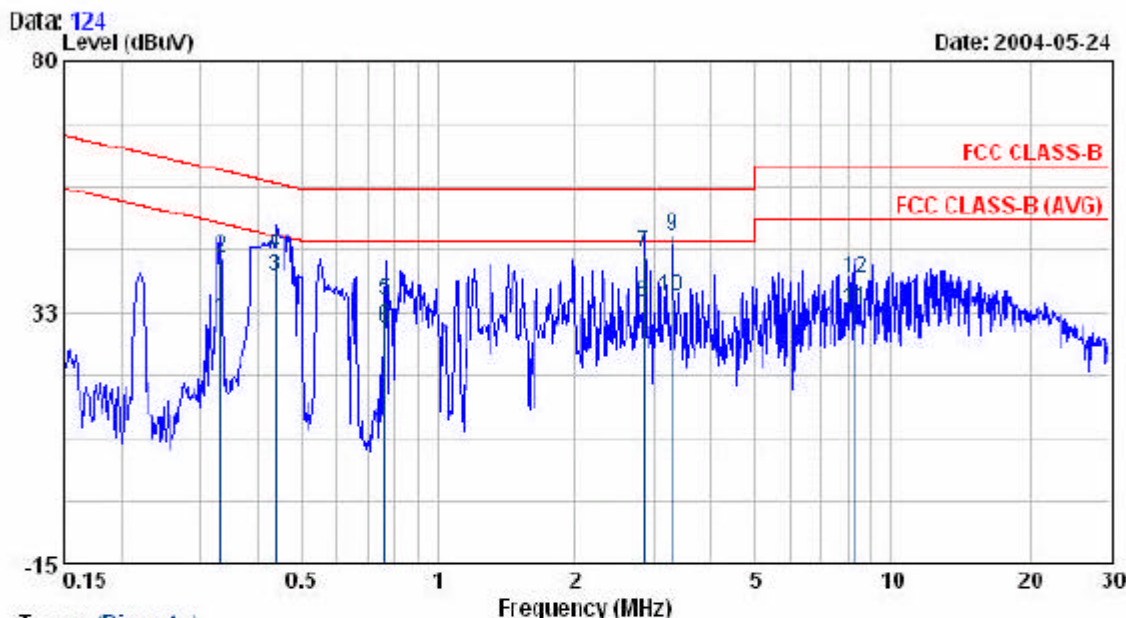
Trace: (Discrete)

Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.42	45.39	0.40	45.79	57.54	-11.76	QP
0.42	24.50	0.40	24.90	47.54	-22.65	AVERAGE
0.78	39.75	0.33	40.08	56.00	-15.92	QP
0.78	16.85	0.33	17.18	46.00	-28.82	AVERAGE
2.41	38.38	0.40	38.78	56.00	-17.22	QP
2.41	35.09	0.40	35.49	46.00	-10.51	AVERAGE
3.16	33.30	0.40	33.70	56.00	-22.30	QP
3.16	14.47	0.40	14.87	46.00	-31.13	AVERAGE
3.94	45.30	0.40	45.70	56.00	-10.30	QP
3.94	34.50	0.40	34.90	46.00	-11.10	Average
13.15	33.30	0.50	33.80	50.00	-16.20	Average
13.15	38.60	0.50	39.10	60.00	-20.90	QP

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss

EVT : CB801AS  
 Power : 110V 60Hz  
 Test Mode : 802.11 SUPER G CH6  
 Memo :

Pol/Phase : LINE  
 Temperature : 26 °C  
 Humidity : 63 %



Trace: (Discrete)

Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.33	30.86	0.52	31.38	49.37	-17.99	AVERAGE
0.33	42.10	0.52	42.62	59.37	-16.75	QP
0.44	38.65	0.59	39.24	47.11	-7.87	AVERAGE
0.44	42.85	0.59	43.44	57.11	-13.67	QP
0.77	34.32	0.53	34.85	56.00	-21.15	QP
0.77	28.89	0.53	29.42	46.00	-16.58	AVERAGE
2.85	43.00	0.70	43.70	56.00	-12.30	QP
2.85	33.79	0.70	34.49	46.00	-11.51	AVERAGE
3.28	46.32	0.70	47.02	56.00	-8.98	QP
3.28	34.92	0.70	35.62	46.00	-10.38	AVERAGE
8.32	32.53	0.62	33.15	50.00	-16.85	AVERAGE
8.32	38.43	0.62	39.05	60.00	-20.95	QP

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable loss

Test engineer: \_\_\_\_\_

4.5.1. Test Photographs

Front View



Rear View

