

FCC TEST REPORT

according to

FCC Rules and Regulations

Part 15 Subpart C & E

Applicant	SerComm Corporation
Address	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.
Equipment	A or G Wireless Router
Model No.	IP906SM
FCC ID	P27IP906SM
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 & E

Applicant	SerComm Corporation
Address	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.
Equipment	A or G Wireless Router
Model No.	IP906SM
FCC ID	P27IP906SM

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 & E (2003)**. The test was carried out on May. 06, 2005 at *Exclusive Certification Corp.*

Signature


Anson Chou / Manager

1. Report of Measurements and Examinations

1.1 List of Measurements and Examinations

For Frequency 5.15GHz ~ 5.35GHz

Applied Standard : FCC Part 15, Subpart E (Section 15.407)		
FCC Rule	Description of Test	Result
15.407(b)(5)	Conducted Emission	Pass
15.407(b)(1/2/3)(b)(5)	Radiated Emission	Pass
15.407(a)(1/2/3)	Peak Transmit Power	Pass
15.407(a)(6)	Peak Power Excursion	Pass
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass
15.407(g)	Frequency Stability	Pass

For Frequency 5.725GHz ~ 5.85GHz

Applied Standard : FCC Part 15, Subpart C (Section 15.247)		
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 Feature of Equipment under Test

- Access point supported
- Roaming supported
- IEEE 802.11a /b/g compliance
- selectable domain supported
- WEP 64 bit and 128 bit security supported
- WPA-PSK supported
- WPA2 supported
- Modulation: Direct Sequence Spread Spectrum BPSK / QPSK / CCK/OFDM
- Wi-Fi Compatible (Pre-Test)
- Auto-sensing Open system/ Share key authentication
- SSID broadcast can enable/disable

2.2 RF Module Specifications

Type of Modulation	BPSK,QPSK,CCK-OFDM
Number of Channels	USA/Canada: b/g band: 11 a band: 13 European: b/g band: 13 a band: 11 Japan: b/g band: 14 a band: 11
Frequency Band	2.412~2.484GHZ MKK 4.92~4.98 GHZ 5.04~5.23 GHZ FCC 5.18~5.32 GHZ 5.745~5.825 GHZ ETSI 5.5~5.7 GHZ
Carrier Frequency of each channel	b/g band 2.412,2.417,2.422,2.427,2.432,2.437,2.442,2.447,2.452,2.457,2.462,2.467,2.472,2.484(GHZ) a band 4.92,4.94,4.96,4.98,5.04,5.06,5.08,5.17,5.19,5.21,5.23 5.18,5.2,5.22,5.24,5.26,5.28,5.3,5.32, 5.745,5.765,5.785,5.805,5.825 5.5,5.52,5.54,5.56,5.58,5.6,5.62,5.64,5.66,5.68,5.7
Bandwidth of each channel	16MHZ/802.11a/g,22MHZ/802.11b
Maximum Output Power to Antenna	18dBm/802.11b, 15dBm/802.11a/g

2.3 Test Mode and Test Software

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

- 802.11 a (CH1: 5180MHz)
- 802.11 a (CH4: 5240MHz)
- 802.11 a (CH5: 5260MHz)
- 802.11 a (CH8: 5320MHz)
- 802.11 a (CH9: 5745MHz)
- 802.11 a (CH11: 5785MHz)
- 802.11 a (CH13: 5825MHz)
- An executive programs, "DUTAPIDLL.EXE" Application under WIN XP.

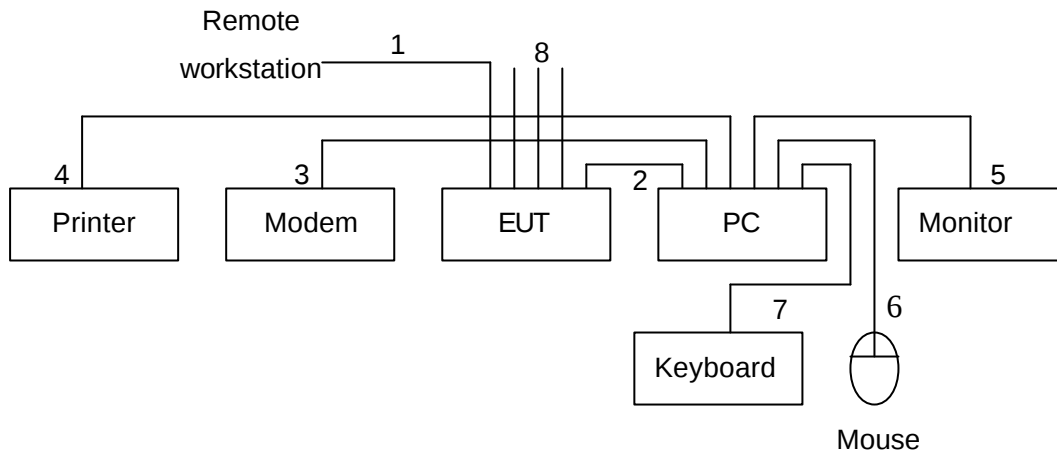
2.4 Description of Test System

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
Notebook (Remote site)	Dell	510 m	Power Cable, Adapter Unshielding 1.8 m

Use Cable:

Cable	Description
RJ-45	Unshielding, 10m
Floating*3	Unshielding, 0.5m

2.5 Connection Diagram of Test System



1. The RJ 45 cable is connected from remote workstation to the EUT.
2. The I/O cable is connected from PC to the EUT.
3. The I/O cable is connected from PC to the Modem.
4. The I/O cable is connected from PC to the Printer.
5. The I/O cable is connected from PC to the Monitor.
6. The I/O cable is connected from PC to the Mouse.
7. The I/O cable is connected from PC to the Keyboard.
8. These cables are floating.

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 & E
Frequency Range Investigated:	AC Power Conducted Emission : from 150kHz to 30 MHz Radiated and conducted Emission: from 30 MHz to 40 GHz
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: Integral, dipole Antenna.

Antenna Gain: 2 dBi

4. Test of Conducted Emission

4.1 Test Limit

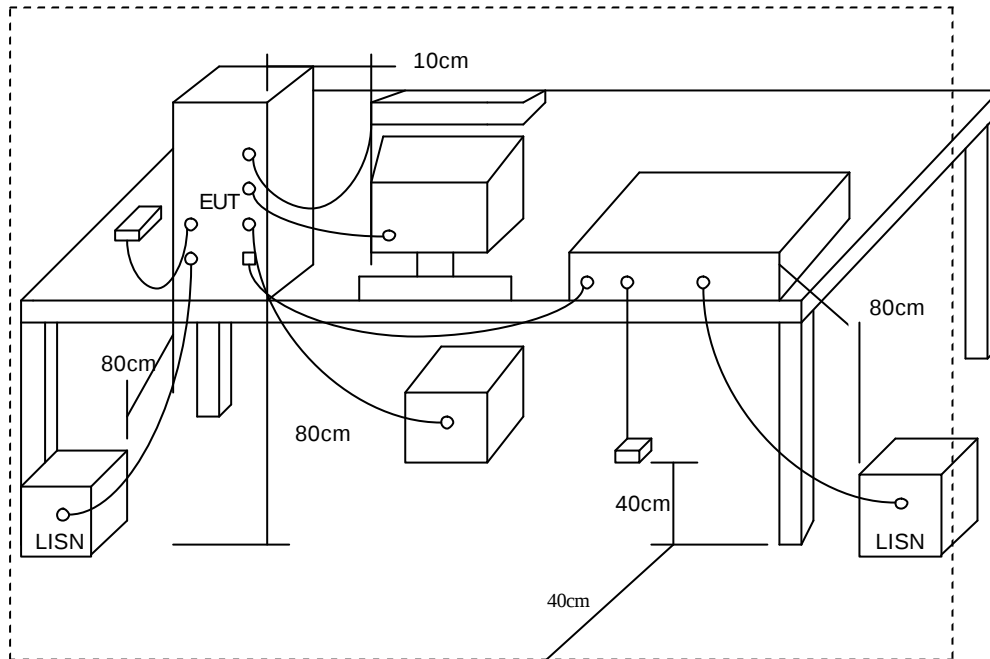
Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 115 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-1992 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown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

- 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.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

4.3 Typical Test Setup



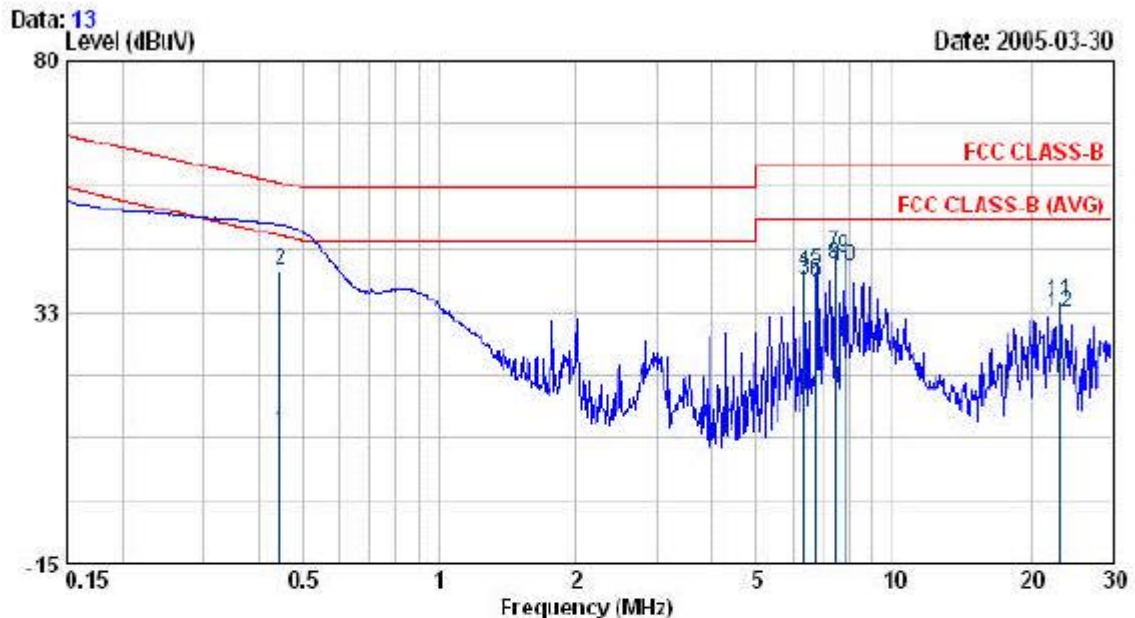
4.4 Measurement equipment

Instrument/Ancillary	Type	Manufacturer	Valid Date.
Receiver	SCR3501	Schaffner	2005/11/03
LISN	NNB-2/16Z	ROLF HEINE	2005/04/26
LISN	ROLF HEINE	NNB-2/16Z	2006/04/25

4.5 Test Result and Data

EUT : IP906SM
 Power : AC 110V
 Test Mode : 802.11a CH 1
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 58 %

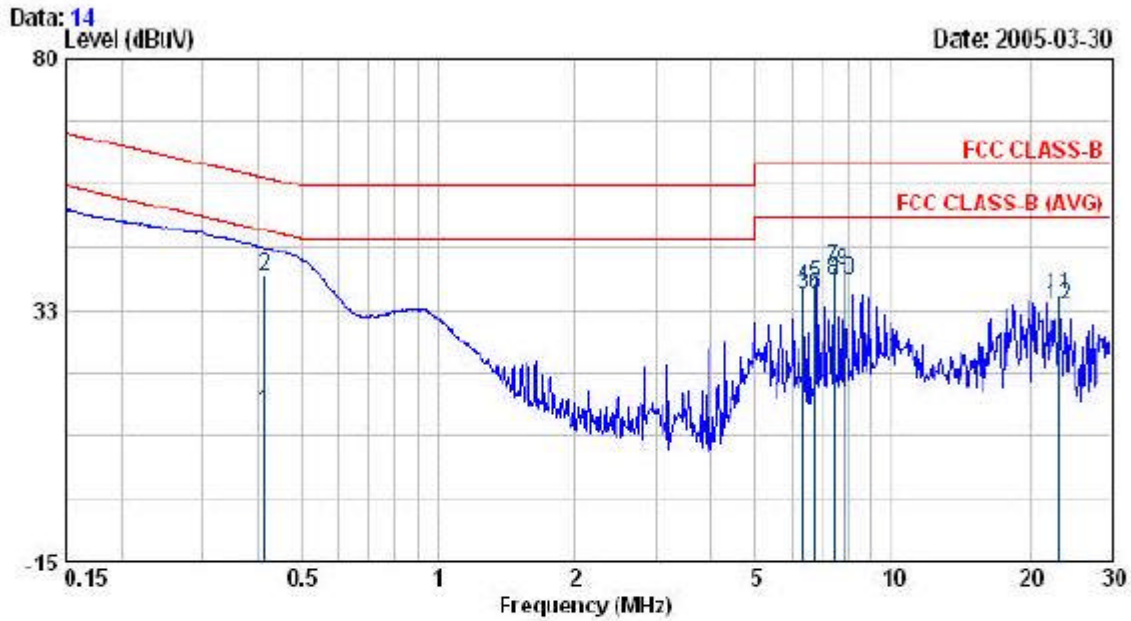


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.444	9.37	0.49	9.86	46.98	-37.12	AVERAGE
0.444	39.84	0.49	40.33	56.98	-16.65	QP
6.382	38.15	0.50	38.65	50.00	-11.35	AVERAGE
6.382	39.46	0.50	39.96	60.00	-20.04	QP
6.738	39.73	0.50	40.23	60.00	-19.77	QP
6.738	37.76	0.50	38.26	50.00	-11.74	AVERAGE
7.445	43.04	0.50	43.54	60.00	-16.46	QP
7.445	40.92	0.50	41.42	50.00	-8.58	AVERAGE
7.800	42.33	0.50	42.83	60.00	-17.17	QP
7.800	40.45	0.50	40.95	50.00	-9.04	AVERAGE
23.129	33.64	0.77	34.41	60.00	-25.59	QP
23.129	31.70	0.77	32.47	50.00	-17.53	AVERAGE

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

EUT : IP906SM
 Power : AC 110V
 Test Mode : 602.11a CH 1
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 58 %

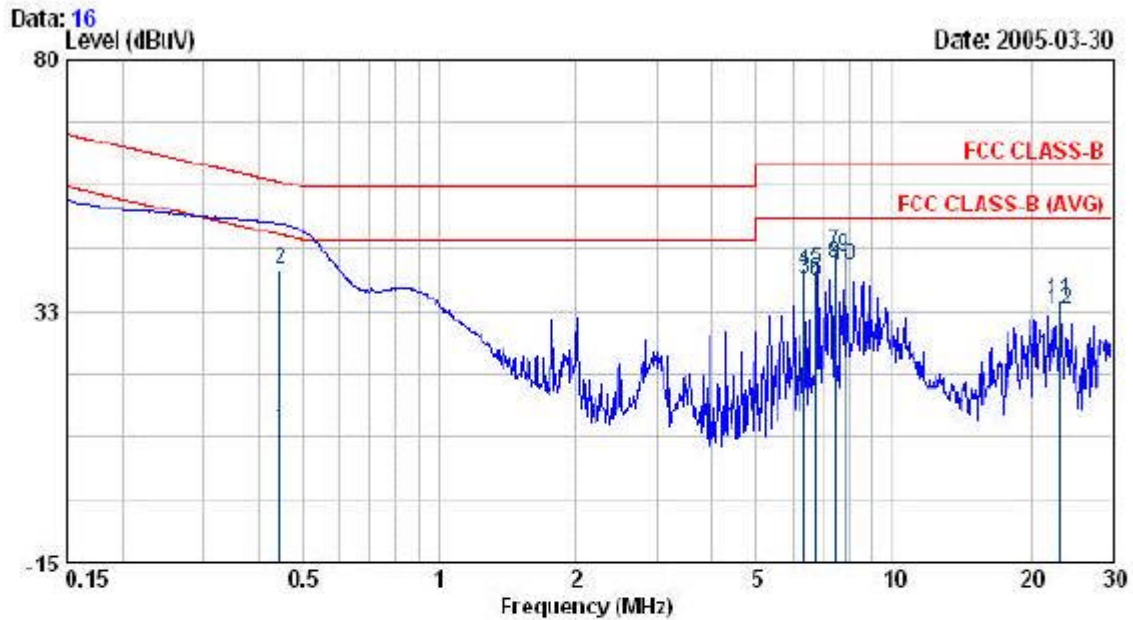


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.413	12.53	0.50	13.08	47.59	-34.52	AVERAGE
0.413	38.53	0.50	39.03	57.59	-18.57	QP
6.381	35.06	0.45	35.51	50.00	-14.49	AVERAGE
6.381	36.39	0.45	36.84	50.00	-23.16	QP
6.736	37.19	0.44	37.63	50.00	-22.37	QP
6.736	34.96	0.44	35.40	50.00	-14.60	AVERAGE
7.445	40.15	0.43	40.58	50.00	-19.42	QP
7.445	37.96	0.43	38.39	50.00	-11.61	AVERAGE
7.799	39.55	0.43	39.98	50.00	-20.02	QP
7.799	37.66	0.43	38.09	50.00	-11.91	AVERAGE
23.129	34.46	0.96	35.42	50.00	-24.58	QP
23.129	32.50	0.96	33.46	50.00	-16.54	AVERAGE

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

EUT : IP906SM
 Power : AC 110V
 Test Mode : 002.11a CH 4
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 58 %

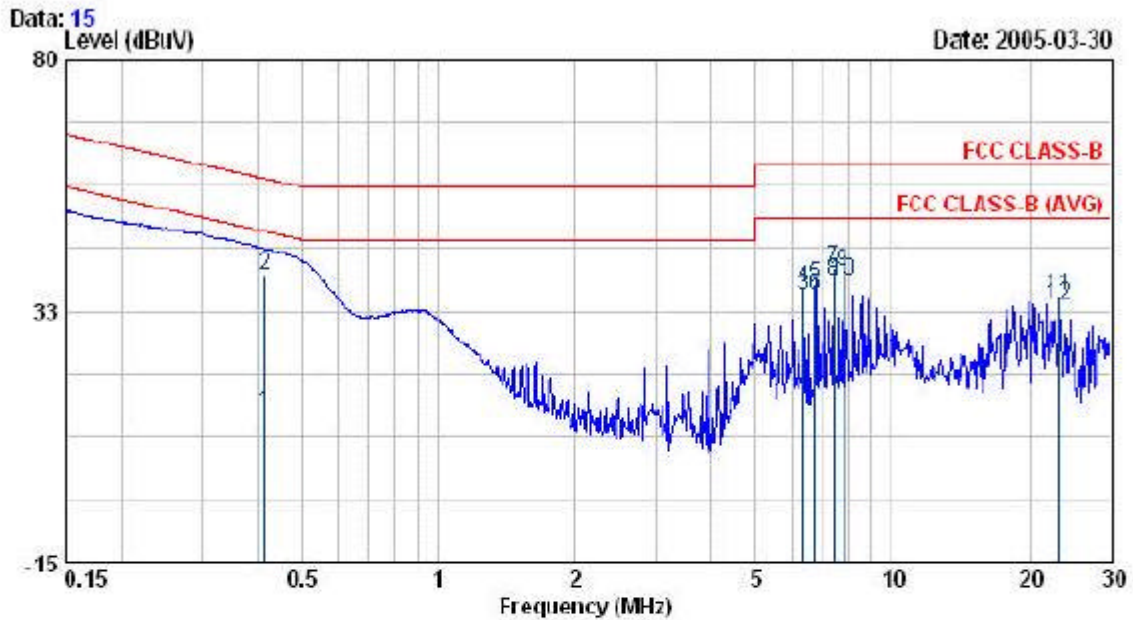


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.444	9.51	0.49	10.00	46.98	-36.98	AVERAGE
0.444	39.95	0.49	40.44	56.98	-16.54	QP
6.382	38.25	0.50	38.76	50.00	-11.24	AVERAGE
6.382	39.51	0.50	40.01	60.00	-19.99	QP
6.738	39.85	0.50	40.35	60.00	-19.65	QP
6.738	37.82	0.50	38.32	50.00	-11.68	AVERAGE
7.445	43.13	0.50	43.63	60.00	-16.37	QP
7.445	40.95	0.50	41.46	50.00	-8.54	AVERAGE
7.800	42.41	0.50	42.91	60.00	-17.09	QP
7.800	40.57	0.50	41.07	50.00	-8.93	AVERAGE
23.129	33.71	0.77	34.48	60.00	-25.52	QP
23.129	31.82	0.77	32.59	50.00	-17.41	AVERAGE

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

EUT : IP906SM
 Power : AC 110V
 Test Mode : 802.11a CH 4
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 58 %

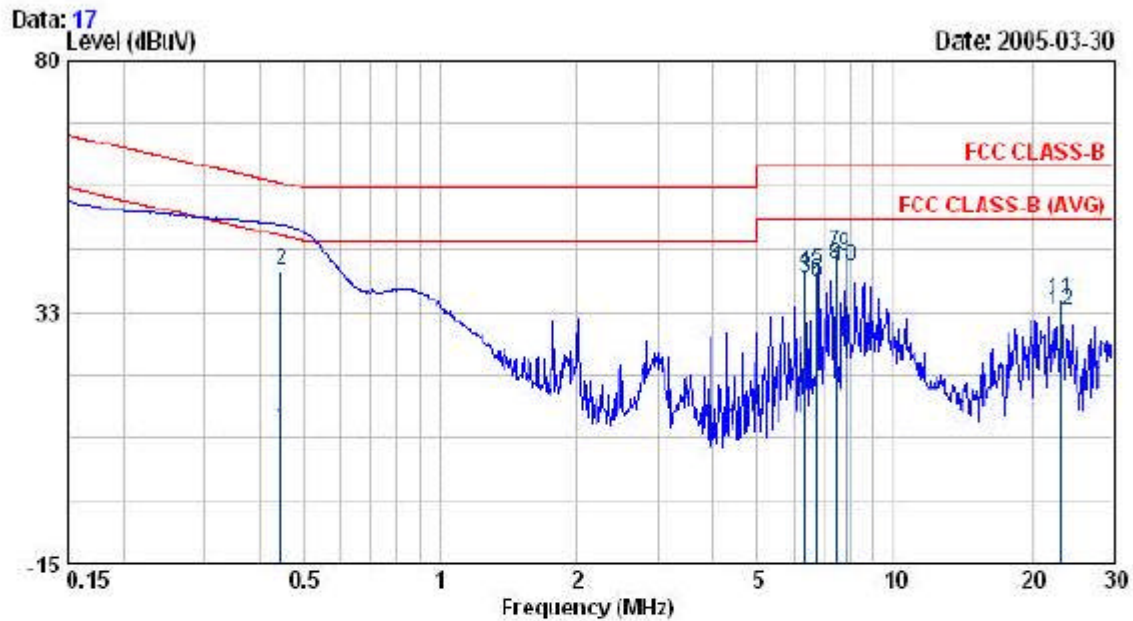


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.413	12.65	0.50	13.15	47.59	-34.45	AVERAGE
0.413	38.65	0.50	39.15	57.59	-18.45	QP
6.381	35.16	0.45	35.61	50.00	-14.39	AVERAGE
6.381	36.45	0.45	36.90	50.00	-23.10	QP
6.736	37.25	0.44	37.70	50.00	-22.30	QP
6.736	34.85	0.44	35.29	50.00	-14.71	AVERAGE
7.445	40.25	0.43	40.69	50.00	-19.31	QP
7.445	37.84	0.43	38.27	50.00	-11.73	AVERAGE
7.799	39.61	0.43	40.04	50.00	-19.96	QP
7.799	37.71	0.43	38.14	50.00	-11.86	AVERAGE
23.129	34.52	0.96	35.48	50.00	-24.52	QP
23.129	32.64	0.96	33.60	50.00	-16.40	AVERAGE

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

EUT : IP906SM
 Power : AC 110V
 Test Mode : 602.11a CH 5
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 58 %

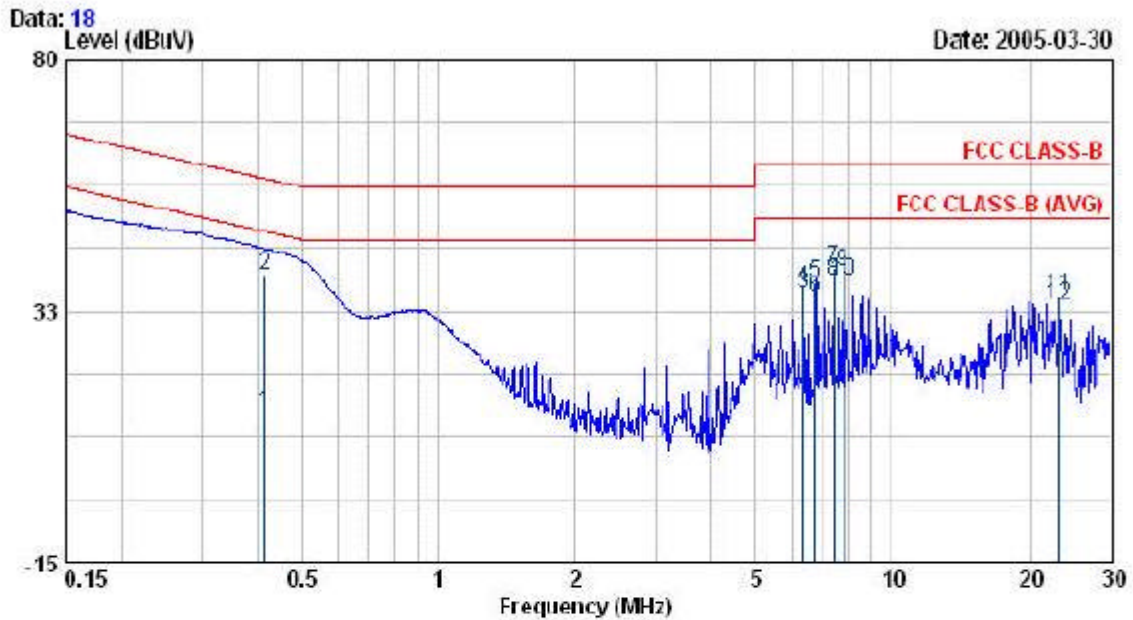


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.444	9.81	0.49	10.30	46.98	-36.68	AVERAGE
0.444	39.81	0.49	40.30	56.98	-16.68	QP
6.382	38.34	0.50	38.84	50.00	-11.16	AVERAGE
6.382	39.65	0.50	40.15	50.00	-19.85	QP
6.738	39.84	0.50	40.34	50.00	-19.66	QP
6.738	37.85	0.50	38.35	50.00	-11.65	AVERAGE
7.445	43.25	0.50	43.76	50.00	-16.24	QP
7.445	40.91	0.50	41.41	50.00	-8.59	AVERAGE
7.800	42.53	0.50	43.03	50.00	-16.97	QP
7.800	40.61	0.50	41.11	50.00	-8.89	AVERAGE
23.129	33.83	0.77	34.60	50.00	-25.40	QP
23.129	31.85	0.77	32.62	50.00	-17.38	AVERAGE

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

EUT : IP906SM
 Power : AC 110V
 Test Mode : 802.11a CH 5
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 58 %



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.413	12.74	0.50	13.24	47.59	-34.36	AVERAGE
0.413	38.72	0.50	39.22	57.59	-18.38	QP
6.381	35.24	0.45	35.69	50.00	-14.31	AVERAGE
6.381	36.51	0.45	36.96	50.00	-23.04	QP
6.736	37.35	0.44	37.79	50.00	-22.21	QP
6.736	34.81	0.44	35.25	50.00	-14.75	AVERAGE
7.445	40.34	0.43	40.77	50.00	-19.23	QP
7.445	37.91	0.43	38.34	50.00	-11.66	AVERAGE
7.799	39.65	0.43	40.08	50.00	-19.92	QP
7.799	37.79	0.43	38.22	50.00	-11.78	AVERAGE
23.129	34.53	0.96	35.55	50.00	-24.45	QP
23.129	32.71	0.96	33.67	50.00	-16.33	AVERAGE

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

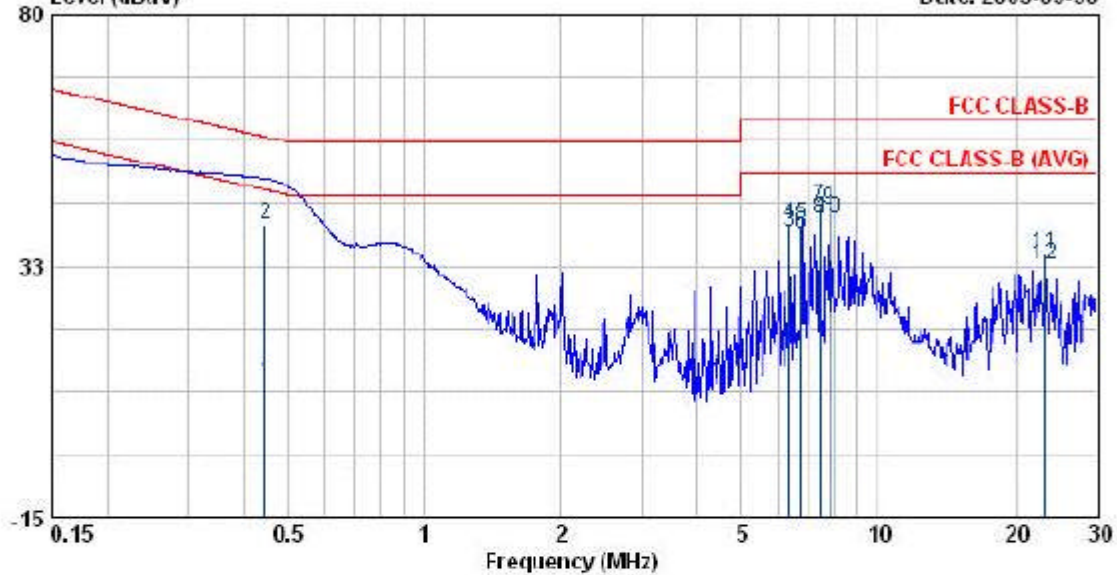
EUT : IP906 SM
 Power : AC 110V
 Test Mode : 602.11a CH 8
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 58 %

Data: 20

Level (dBuV)

Date: 2005-03-30

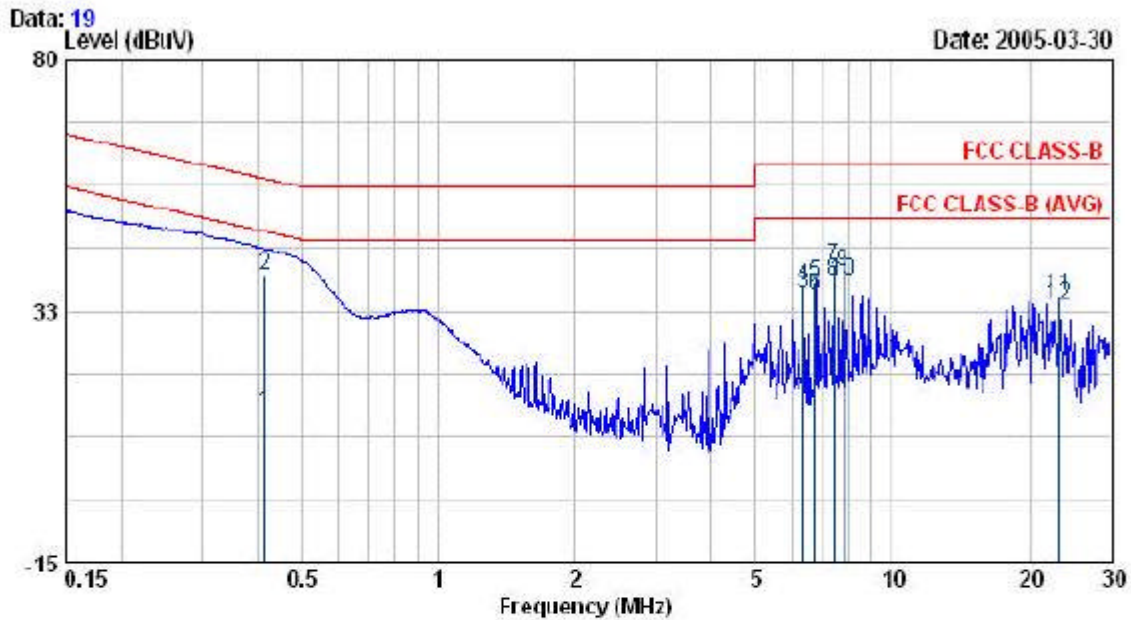


Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.444	9.96	0.49	10.45	46.98	-36.53	AVERAGE
0.444	39.94	0.49	40.43	56.98	-16.55	QP
6.382	38.46	0.50	38.96	50.00	-11.04	AVERAGE
6.382	39.71	0.50	40.21	60.00	-19.79	QP
6.738	39.81	0.50	40.31	60.00	-19.69	QP
6.738	37.95	0.50	38.45	50.00	-11.55	AVERAGE
7.445	43.36	0.50	43.86	60.00	-16.14	QP
7.445	40.93	0.50	41.48	50.00	-8.52	AVERAGE
7.800	42.61	0.50	43.11	60.00	-16.89	QP
7.800	40.71	0.50	41.21	50.00	-8.79	AVERAGE
23.129	33.93	0.77	34.70	60.00	-25.30	QP
23.129	31.86	0.77	32.63	50.00	-17.37	AVERAGE

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

EUT : IP906SM
 Power : AC 110V
 Test Mode : 602.11a CH 8
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 58 %



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
NHz	dBuV	dB	dBuV	dBuV	dBuV	
0.413	12.81	0.50	13.31	47.59	-34.29	AVERAGE
0.413	38.82	0.50	39.32	57.59	-18.28	QP
6.381	35.34	0.45	35.79	50.00	-14.21	AVERAGE
6.381	36.61	0.45	37.06	50.00	-22.94	QP
6.736	37.45	0.44	37.89	50.00	-22.11	QP
6.736	34.89	0.44	35.33	50.00	-14.67	AVERAGE
7.445	40.44	0.43	40.87	50.00	-19.13	QP
7.445	37.93	0.43	38.36	50.00	-11.64	AVERAGE
7.799	39.71	0.43	40.14	50.00	-19.86	QP
7.799	37.91	0.43	38.34	50.00	-11.66	AVERAGE
23.129	34.62	0.96	35.58	50.00	-24.42	QP
23.129	32.85	0.96	33.82	50.00	-16.18	AVERAGE

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

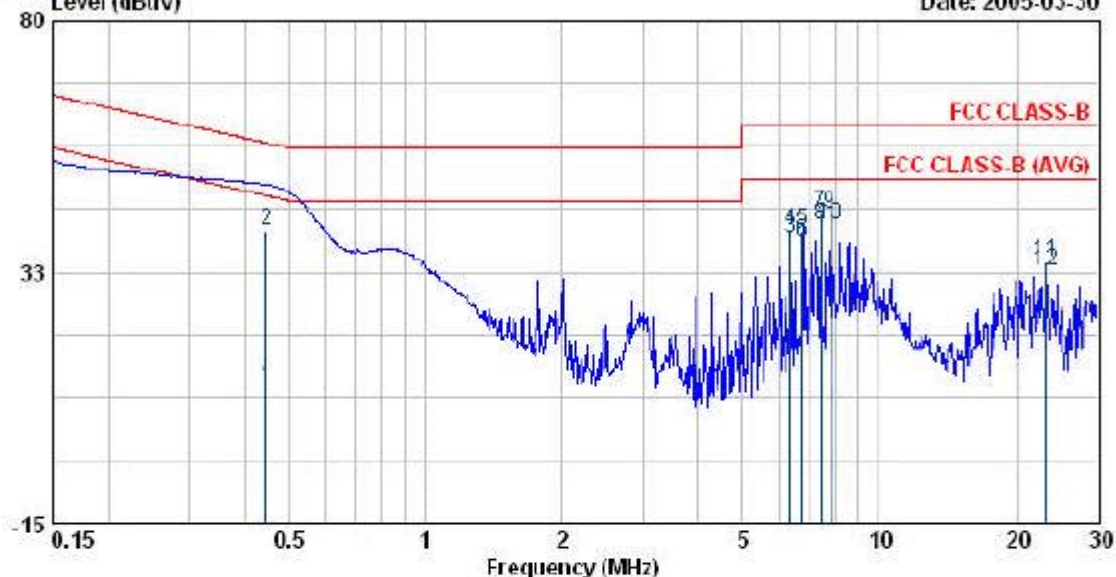
EUT : IP906SM
 Power : AC 110V
 Test Mode : 602.11a CH 9
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 58 %

Data: 21

Level (dBuV)

Date: 2005-03-30

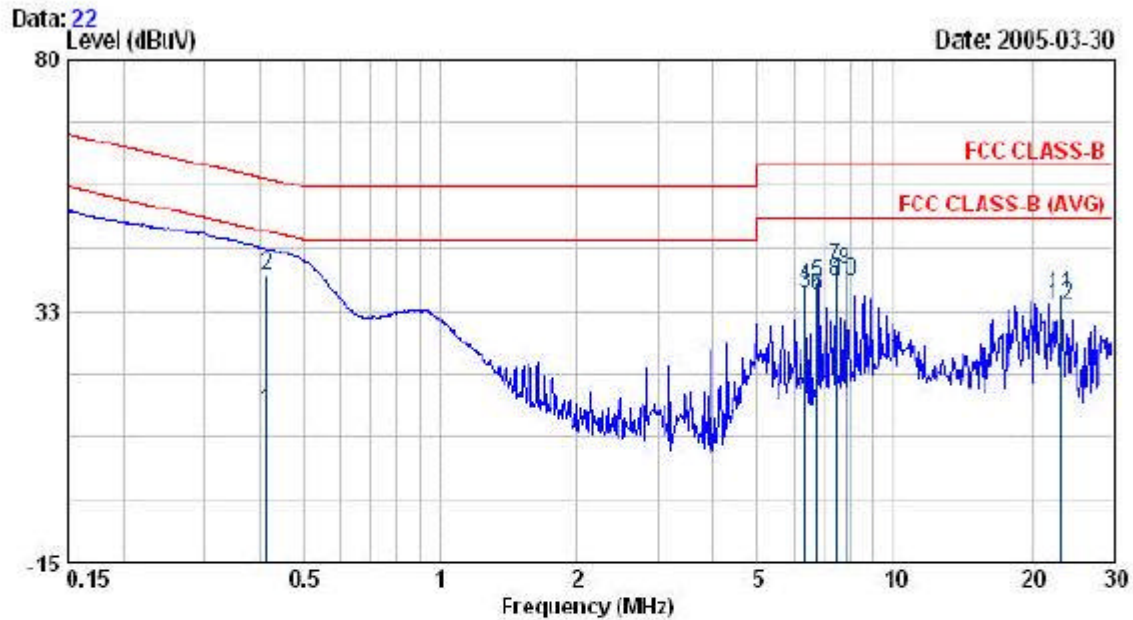


Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	Limit	
0.444	10.12	0.49	10.61	46.98	-36.37	AVERAGE
0.444	39.92	0.49	40.41	56.98	-16.57	QP
6.382	38.66	0.50	39.06	50.00	-10.94	AVERAGE
6.382	39.81	0.50	40.31	50.00	-19.69	QP
6.738	39.86	0.50	40.36	50.00	-19.64	QP
6.738	37.91	0.50	38.41	50.00	-11.59	AVERAGE
7.445	43.41	0.50	43.91	50.00	-16.09	QP
7.445	40.81	0.50	41.31	50.00	-8.69	AVERAGE
7.800	42.81	0.50	43.31	50.00	-16.69	QP
7.800	40.85	0.50	41.35	50.00	-8.64	AVERAGE
23.129	33.81	0.77	34.58	50.00	-25.42	QP
23.129	31.96	0.77	32.73	50.00	-17.27	AVERAGE

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

EUT : IP906SM
 Power : AC 110V
 Test Mode : 602.11a CH 9
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 58 %

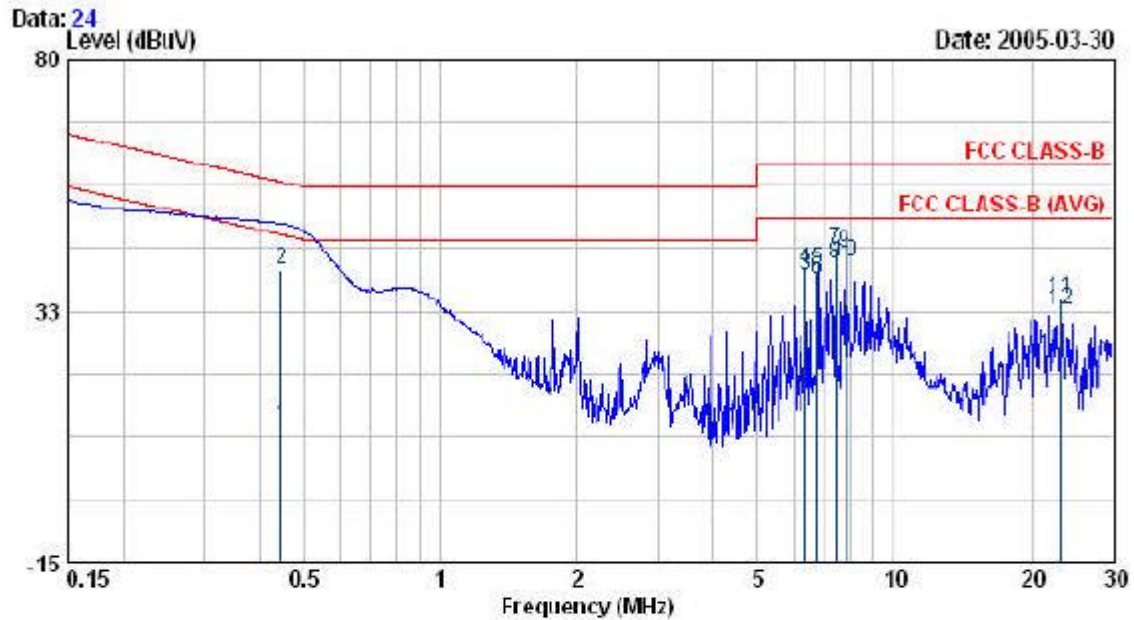


Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
NHz	dBuV	dB	dBuV	dBuV	dBuV	
0.413	12.93	0.50	13.43	47.59	-34.17	AVERAGE
0.413	38.93	0.50	39.43	57.59	-18.17	QP
6.381	35.46	0.45	35.91	50.00	-14.09	AVERAGE
6.381	36.75	0.45	37.20	60.00	-22.80	QP
6.736	37.51	0.44	37.95	60.00	-22.05	QP
6.736	34.93	0.44	35.37	50.00	-14.63	AVERAGE
7.445	40.52	0.43	40.95	60.00	-19.05	QP
7.445	37.83	0.43	38.26	50.00	-11.74	AVERAGE
7.799	39.86	0.43	40.29	60.00	-19.71	QP
7.799	37.95	0.43	38.39	50.00	-11.61	AVERAGE
23.129	34.72	0.96	35.68	60.00	-24.32	QP
23.129	32.81	0.96	33.77	50.00	-16.23	AVERAGE

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

EUT : IP906SM
 Power : AC 110V
 Test Mode : 602.11a CH 11
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 58 %



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.444	10.13	0.49	10.62	46.98	-36.36	AVERAGE
0.444	39.98	0.49	40.47	56.98	-16.51	QP
6.382	38.65	0.50	39.15	50.00	-10.85	AVERAGE
6.382	39.91	0.50	40.41	60.00	-19.59	QP
6.738	39.96	0.50	40.46	60.00	-19.54	QP
6.738	37.98	0.50	38.48	50.00	-11.52	AVERAGE
7.445	43.52	0.50	44.02	60.00	-15.98	QP
7.445	40.91	0.50	41.41	50.00	-8.59	AVERAGE
7.800	42.98	0.50	43.48	60.00	-16.52	QP
7.800	41.12	0.50	41.62	50.00	-8.38	AVERAGE
23.129	33.89	0.77	34.66	60.00	-25.34	QP
23.129	32.01	0.77	32.78	50.00	-17.22	AVERAGE

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

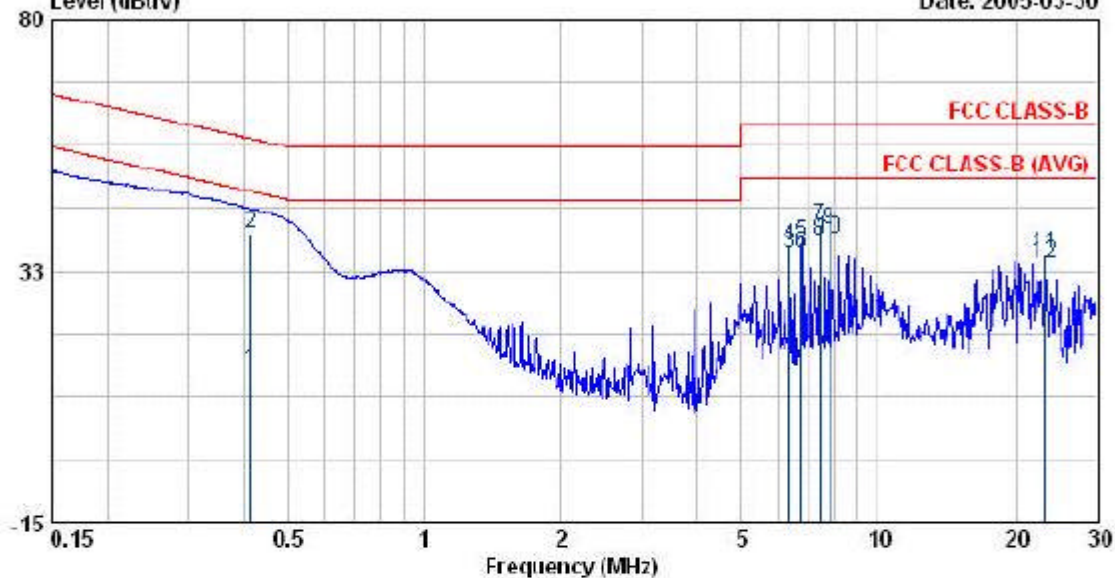
EUT : IP906SM
 Power : AC 110V
 Test Mode : 802.11a CH 11
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 58 %

Data: 23

Level (dBuV)

Date: 2005-03-30



Freq	Read	Factor	Level	Limit	Over	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.413	13.21	0.50	13.71	47.59	-33.89	AVERAGE
0.413	39.12	0.50	39.62	57.59	-17.98	QP
6.381	35.51	0.45	35.96	50.00	-14.04	AVERAGE
6.381	36.81	0.45	37.26	50.00	-22.74	QP
6.736	37.61	0.44	38.05	50.00	-21.95	QP
6.736	35.21	0.44	35.65	50.00	-14.35	AVERAGE
7.445	40.62	0.43	41.05	50.00	-18.95	QP
7.445	37.93	0.43	38.36	50.00	-11.64	AVERAGE
7.799	39.91	0.43	40.34	50.00	-19.66	QP
7.799	38.01	0.43	38.44	50.00	-11.56	AVERAGE
23.129	34.81	0.96	35.77	50.00	-24.23	QP
23.129	32.96	0.96	33.92	50.00	-16.08	AVERAGE

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

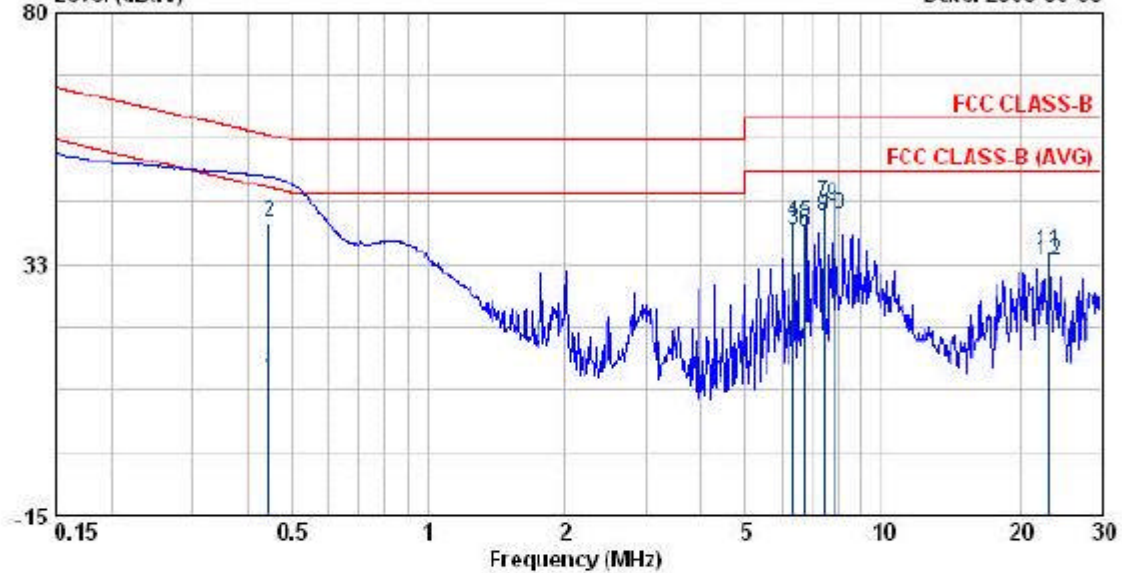
EUT : IP906SM
 Power : AC 110V
 Test Mode : 602.11a CH 13
 Memo :

Pol/Phase : NEUTRAL
 Temperature : 26 °C
 Humidity : 58 %

Data: 25

Level (dBuV)

Date: 2005-03-30



Freq MHz	Read Level dBuV	Factor dB	Level dBuV	Limit dBuV	Over Limit dBuV	Remark
0.444	10.15	0.49	10.64	46.98	-36.34	AVERAGE
0.444	40.01	0.49	40.50	56.98	-16.48	QP
6.382	38.51	0.50	39.01	50.00	-10.99	AVERAGE
6.382	39.85	0.50	40.35	50.00	-19.65	QP
6.738	39.91	0.50	40.41	50.00	-19.59	QP
6.738	38.01	0.50	38.51	50.00	-11.49	AVERAGE
7.445	43.61	0.50	44.11	50.00	-15.89	QP
7.445	40.96	0.50	41.46	50.00	-8.54	AVERAGE
7.800	43.02	0.50	43.52	50.00	-16.48	QP
7.800	41.21	0.50	41.71	50.00	-8.29	AVERAGE
23.129	33.95	0.77	34.72	50.00	-25.28	QP
23.129	32.13	0.77	32.90	50.00	-17.10	AVERAGE

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

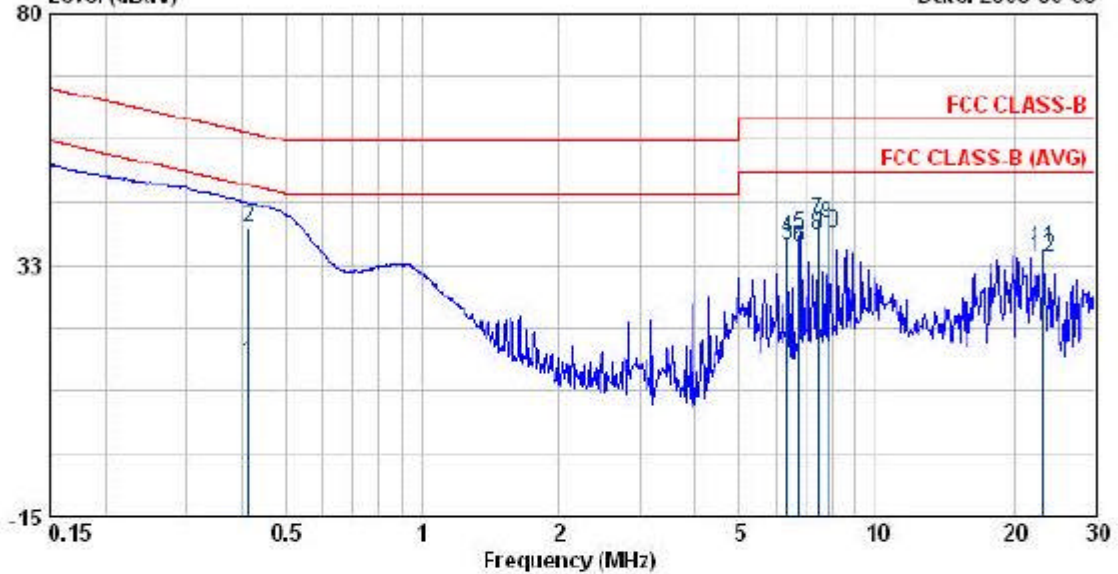
EUT : IP906SM
 Power : AC 110V
 Test Mode : 002.11a CH 13
 Memo :

Pol/Phase : LINE
 Temperature : 26 °C
 Humidity : 58 %

Data: 26

Level (dBuV)

Date: 2005-03-30



Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dBuV	
0.413	13.31	0.50	13.81	47.59	-33.79	AVERAGE
0.413	39.21	0.50	39.71	57.59	-17.89	QP
6.381	35.63	0.45	36.08	50.00	-13.92	AVERAGE
6.381	36.98	0.45	37.43	50.00	-22.57	QP
6.736	37.75	0.44	38.19	50.00	-21.81	QP
6.736	35.31	0.44	35.75	50.00	-14.25	AVERAGE
7.445	40.75	0.43	41.18	50.00	-18.82	QP
7.445	37.98	0.43	38.41	50.00	-11.59	AVERAGE
7.799	39.95	0.43	40.38	50.00	-19.62	QP
7.799	38.21	0.43	38.64	50.00	-11.36	AVERAGE
23.129	34.89	0.96	35.85	50.00	-24.15	QP
23.129	32.98	0.96	33.94	50.00	-16.06	AVERAGE

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

Test engineer:

4.5.1. Test Photographs

Front View



Rear View

