



FCC DOC TEST REPORT

Declaration of Conformity

According to

**47 CFR, Part 2, Part 15, CISPR PUB. 22
and Canada ICES-003**

Applicant	: Netgear Inc.
Address	: 350 East Plumeria Drive, San Jose, CA 95134, U.S.A.
Equipment	: Wireless-N 150 ADSL2+ Modem Router
Model No.	: DGN1000, DGN1000B, DGN1000SP, DGN1000SB
Trade Name	: NETGEAR

Laboratory accreditation



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



Contents

CERTIFICATE OF COMPLIANCE 3

1. Test Configuration of Equipment under Test.....4

 1.1. Feature of Equipment under Test4

 1.2. Test Manner5

 1.3. Description of Test System6

 1.4. Connection Diagram of Test System7

 1.5. General Information of Test8

 1.6. Measurement Uncertainty8

 1.7. History of this test report.....9

2. Test of Conducted Emission10

 2.1. Test Limit.....10

 2.2. Test Procedures.....10

 2.3. Typical test Setup11

 2.4. Measurement Equipment11

 2.5. Test Result and Data12

 2.6. Test Photographs.....17

3. Test of Radiated Emission19

 3.1. Test Limit.....19

 3.2. Test Procedures.....19

 3.3. Typical test Setup20

 3.4. Measurement Equipment20

 3.5. Test Result and Data21

 3.6. Test Photographs.....27

Appendix A. Photographs of EUT.....A1 ~ A10



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CA 95134, U.S.A.
Equipment : Wireless-N 150 ADSL2+ Modem Router
Model No. : DGN1000, DGN1000B, DGN1000SP,
DGN1000SB

I HEREBY CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 – 2003** and the energy emitted by this equipment was **passed CISPR PUB. 22, FCC Part 15 and Canada ICES-003** in both radiated and conducted emission class B limits.

Testing was carried out on Sep. 02, 2009 at **Cerpass Technology Corp.**

Signature

Jonson Lee
EMC/RF B.U. Senior Manager



1. Test Configuration of Equipment under Test

1.1. Feature of Equipment under Test

Spreading	:	802.11b: DSSS, CCK(QPSK, BPSK) 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) 802.11n: OFDM(64QAM, 16QAM, QPSK, BPSK)
Frequency Range	:	802.11b/g/n:2.4~2.4835GHz
Number of Channels	:	USA, Canada, and Taiwan: 1~11 Japan: 1~14 Most European Countries: 1~13 France: 10~13
Data Rate	:	802.11b: 11, 5.5, 2, 1Mbps 802.11g:54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: HT40 mode: 270/15, 243/14, 216/13, 162/12, 108/11, 81/10, 54/9, 27/8, 135/7, 121.5/6, 108/5, 81/4, 54/3, 40.5/2, 27/1, 13.5/0Mbps HT20 mode: 130/15, 117/14, 104/13, 78/12, 52/11, 39/10, 26/9, 13/8, 65/7, 58.5/6, 52/5, 39/4, 26/3, 19.5/2, 13/1, 6.5/0Mbps
Modulation	:	802.11n: OFDM 802.11g: OFDM 802.11b: CCK, DQPSK, DBPSK
Antenna	:	1/2λ Dipole Antenna/ Gain: 2dBi
Security	:	IEEE802.1x and WPA (available in the future) WEP 64 bit, 128 bit
Transmit Power	:	FCC: 802.11b: 17~18dBm(Average) 802.11g: 54M = 13dBm(Average) 36M~48M = 14~16dBm(Average) 6M~24M=17dBm~18dBm(Average) 802.11n: HT40 mode: 13.5M, 27M, 40.5M, 54M, 27M, 81M, 180M = 15~17dBm(Average) 81M, 180M, 121.5M, 135M, 162M, 216M, 243M, 270M =12~14dBm(Average) HT20 mode: 6.5M, 13M, 19.5M, 26M, 39M, 52M = 15~17dBm(Average) 39M, 52M, 58.5M, 65M, 78M, 104M, 117M =13~15dBm(Average) ETSI: 802.11b: 18~19dBm(Average) 802.11g: 48M~54M=13dBm~15dBm(Average) 6M~36M=16dBm~18dBm(Average) 802.11n: HT40 mode: 13.5M, 27M, 40.5M, 54M, 27M, 81M, 180M = 15~17dBm(Average) 81M, 180M, 121.5M, 135M, 162M, 216M, 243M, 270M =12~14dBm(Average) HT20 mode: 6.5M, 13M, 19.5M, 26M, 39M, 52M = 15~17dBm(Average) 39M, 52M, 58.5M, 65M, 78M, 104M, 117M =13~15dBm(Average)



1.2. Test Manner

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system included remote workstation, PC, Monitor, Mouse, Keyboard, Modem, Printer, Flash Memory and EUT for EMI test. The remote workstation included Notebook and DSLAN.
- c. An executive program, "Ping.exe" under WIN XP, which transmits and receives data to the remote workstation through LAN (100M) and Wireless (13.5M).
- d. The result of conduction and radiation test as follow:

Model: DGN1000SP

Test Mode 1: LINK LAN (100M) + Wireless (13.5M), Adapter: T012LF1209 16100-2LF

Test Mode 2: LINK LAN (100M) + Wireless (13.5M), Adapter: FA-1201000SUC

Model: DGN1000SB

Test Mode 3: LINK LAN (100M) + Wireless (13.5M), Adapter: T012LF1209 16100-2LF

Test Mode 4: LINK LAN (100M) + Wireless (13.5M), Adapter: FA-1201000SUC

The test mode 2 was the worst case; it was reported as final data.

- e. The result of disturbances at telecommunication ports test as follow:

Model: DGN1000SP

Test Mode 1: ISN RJ11, Adapter: T012LF1209 16100-2LF

Test Mode 2: ISN LAN (10M), Adapter: T012LF1209 16100-2LF

Test Mode 3: ISN LAN (100M), Adapter: T012LF1209 16100-2LF

Test Mode 4: ISN RJ11, Adapter: FA-1201000SUC

Test Mode 5: ISN LAN (10M), Adapter: FA-1201000SUC

Test Mode 6: ISN LAN (100M), Adapter: FA-1201000SUC

Model: DGN1000SB

Test Mode 7: ISN RJ11, Adapter: T012LF1209 16100-2LF

Test Mode 8: ISN LAN (10M), Adapter: T012LF1209 16100-2LF

Test Mode 9: ISN LAN (100M), Adapter: T012LF1209 16100-2LF

Test Mode 10: ISN RJ11, Adapter: FA-1201000SUC

Test Mode 11: ISN LAN (10M), Adapter: FA-1201000SUC

Test Mode 12: ISN LAN (100M), Adapter: FA-1201000SUC

The test mode 4~6 were the worst case; it was reported as final data.



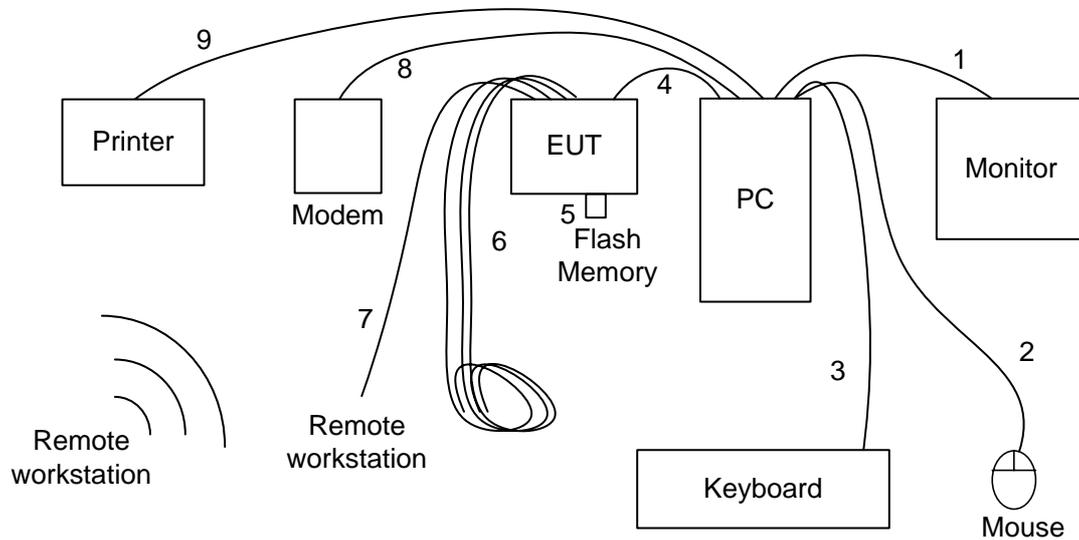
1.3. Description of Test System

Device	Manufacturer	Model No.	Description
PC	IBM	IGV	Power Cable, Unshielding 1.8 m
Monitor	ViewSonic	G90fB	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	MU29J	Data Cable, PS2 Shielding 1.85 m
Modem	ACEXX	DM-1414	Power Cable, Adapter Unshielding 1.8 m Data Cable, RS232 Shielding 1.35 m
Printer	HP	Desk Jet 400	Power Cable, Adapter Unshielding 1.8 m Data Cable, Print Shielding 1.6 m
Flash Memory	TranScend	JF150 1GB	N/A
Remote workstation			
Notebook	DELL	PP10L	Power Cable, Adapter Unshielding 1.8 m
Notebook	TOSHIBA	PSA50T-05M 00C	Power Cable, Adapter Unshielding 1.8 m
DSLAN	2YXZL	IES-1000	Power Cable, Unshielding 1.8 m

Use Cable:

Cable	Quantity	Description
RJ45	3	Unshielding, 3.0m
RJ45	1	Unshielding, 10m
RJ11	1	Unshielding, 10m

1.4. Connection Diagram of Test System



1. The VGA cable is connected from PC to Monitor.
 2. The PS2 cable is connected from PC to the Mouse.
 3. The PS2 cable is connected from PC to the Keyboard.
 4. The RJ45 cable is connected from PC to the EUT.
 5. The Flash Memory is connected to the EUT.
 6. These RJ45 cables (*3) are floating.
 7. The RJ11 Cable is connected from EUT to the Remote workstation.
 8. The RS232 cable is connected from PC to the Modem.
 9. The Print cable is connected from PC to the Printer.
- * The EUT keeps to transmit and receive data to remote workstation by Wireless.

**1.5. General Information of Test**

Test Site :	Cerpass Technology Corp. 2F-11, No. 3, Yuan Qu St., (Nankang Software Park), Taipei, Taiwan 115, R.O.C.
Test Site Location (OATS1-SD):	No. 7-2, Moshihkeng, Fongtian Village, Shihding Township, Taipei County, Taiwan, R.O.C.
FCC Registration Number :	TW1049, 982971, 488071
IC Registration Number :	4934C-1, 4934D-1
VCCI Registration Number :	T-543 for Telecommunication Test C-3328 for Conducted emission test R-3013 for Radiated emission test
Test Voltage:	AC 120V / 60Hz
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart B
Frequency Range Investigated :	Conducted Emission Test: from 150kHz to 30 MHz Radiated Emission Test: from 30 MHz to 6,000 MHz
Test Distance :	The test distance of radiated emission below 1GHz from antenna to EUT is 10 M. The test distance of radiated emission above 1GHz from antenna to EUT is 3 M.

1.6. Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE/NEUTRAL	2.71 dB
Radiated Emission	30 MHz ~ 6GHz	Vertical	3.89 dB
		Horizontal	3.59 dB



2. Test of Conducted Emission

2.1. Test Limit

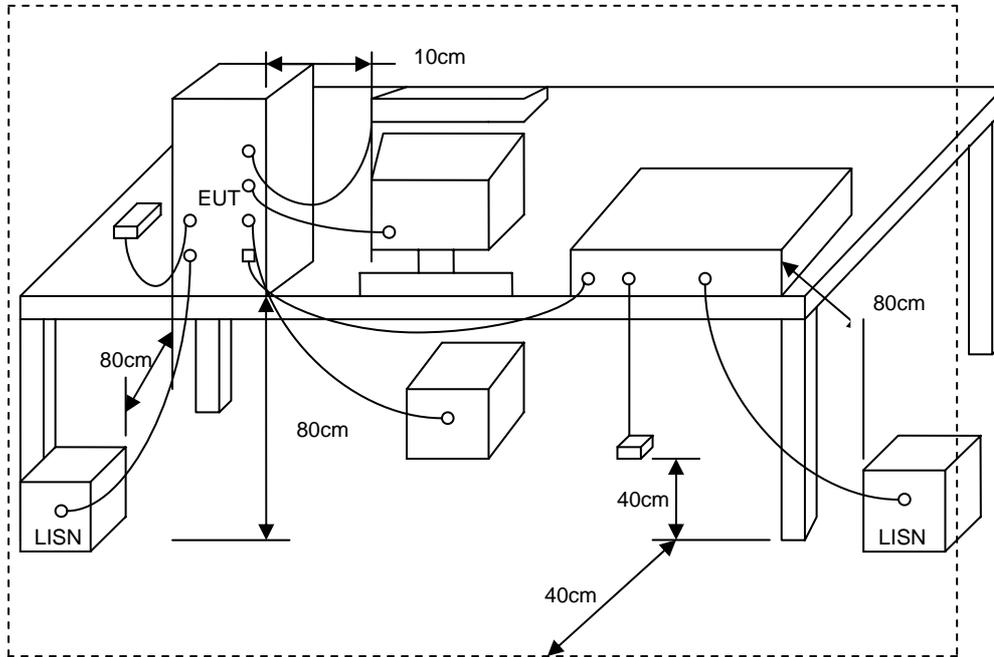
Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2003 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown 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

2.2. 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.

2.3. Typical test Setup



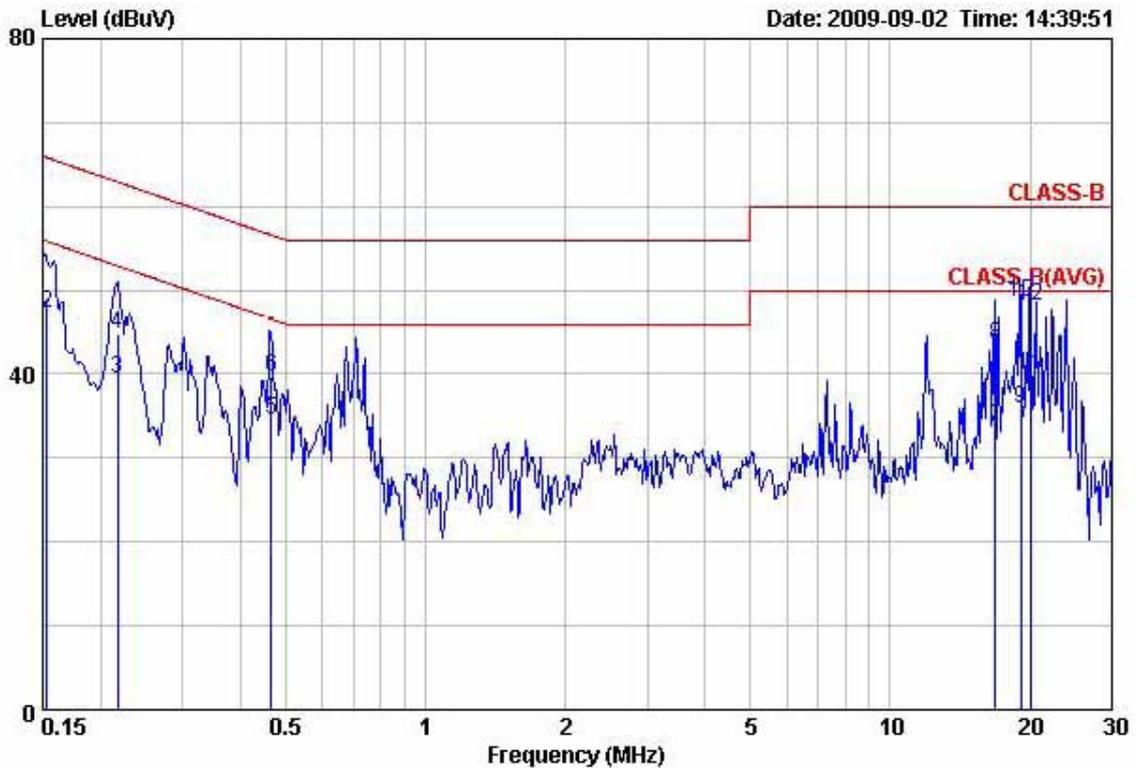
2.4. Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
EMI Receiver	R&S	ESCI	100443	2008/09/27	2009/09/26
LISN	NSLK 8127	Schwarzbeck	8127-516	2009/05/15	2010/05/14
LISN	ROLF HEINE	NNB-2/16Z	03/10058	2009/04/18	2010/04/17
ISN	TESEQ GMBH	ISN T4	20158	2009/04/24	2010/04/23



2.5. Test Result and Data

Power	: AC 120V	Pol/Phase	: LINE
Test Mode 2	: LINK LAN (100M) + Wireless (13.5M)	Temperature	: 24 °C
Memo	: Adapter: FA-1201000SUC	Humidity	: 62 %

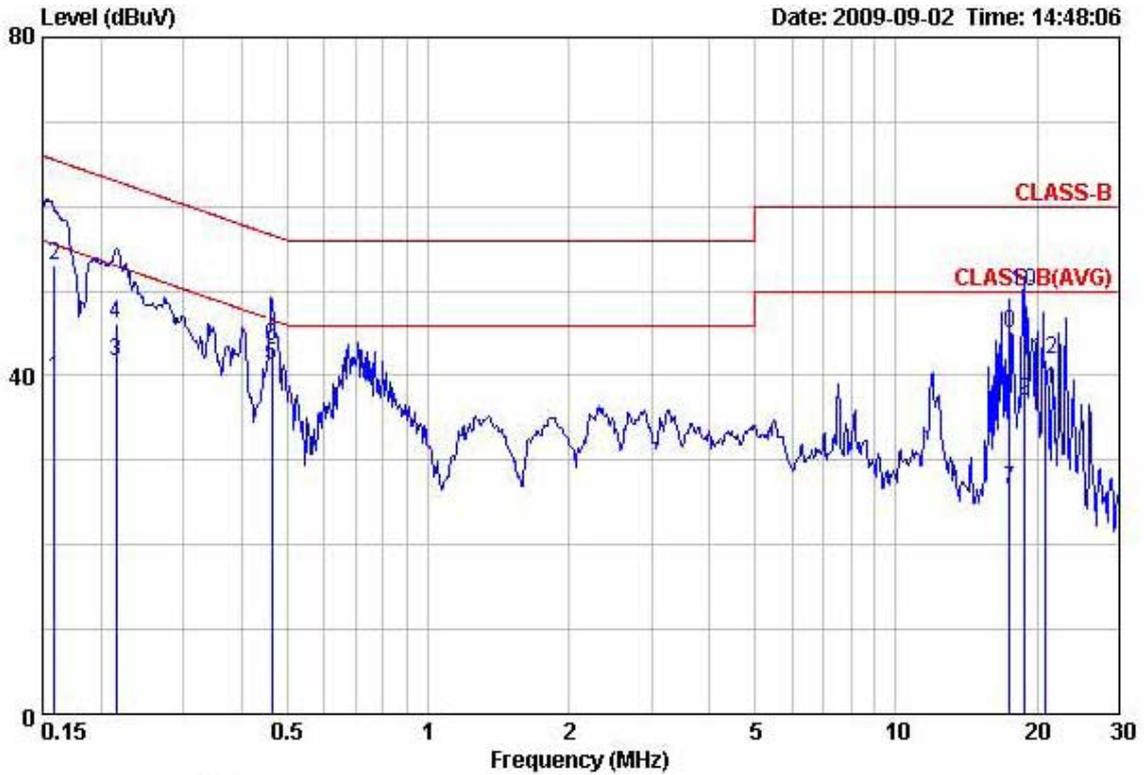


Item	Freq MHz	Read Value dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dBuV	Remark
1	0.153	46.088	0.070	46.158	55.824	-9.666	Average
2	0.153	47.140	0.070	47.210	65.824	-18.614	QP
3	0.217	39.289	0.071	39.360	52.920	-13.560	Average
4	0.217	44.817	0.071	44.888	62.920	-18.032	QP
5	0.465	34.363	0.083	34.446	46.608	-12.162	Average
6	0.465	39.537	0.083	39.620	56.608	-16.988	QP
7	16.810	33.060	0.508	33.568	50.000	-16.432	Average
8	16.810	43.006	0.508	43.514	60.000	-16.486	QP
9	19.130	35.453	0.517	35.970	50.000	-14.030	Average
10	19.130	48.031	0.517	48.548	60.000	-11.452	QP
11	20.110	39.345	0.523	39.868	50.000	-10.132	Average
12	20.110	47.555	0.523	48.078	60.000	-11.922	QP

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



Power	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 2	: LINK LAN (100M) + Wireless (13.5M)	Temperature	: 24 °C
Memo	: Adapter: FA-1201000SUC	Humidity	: 62 %



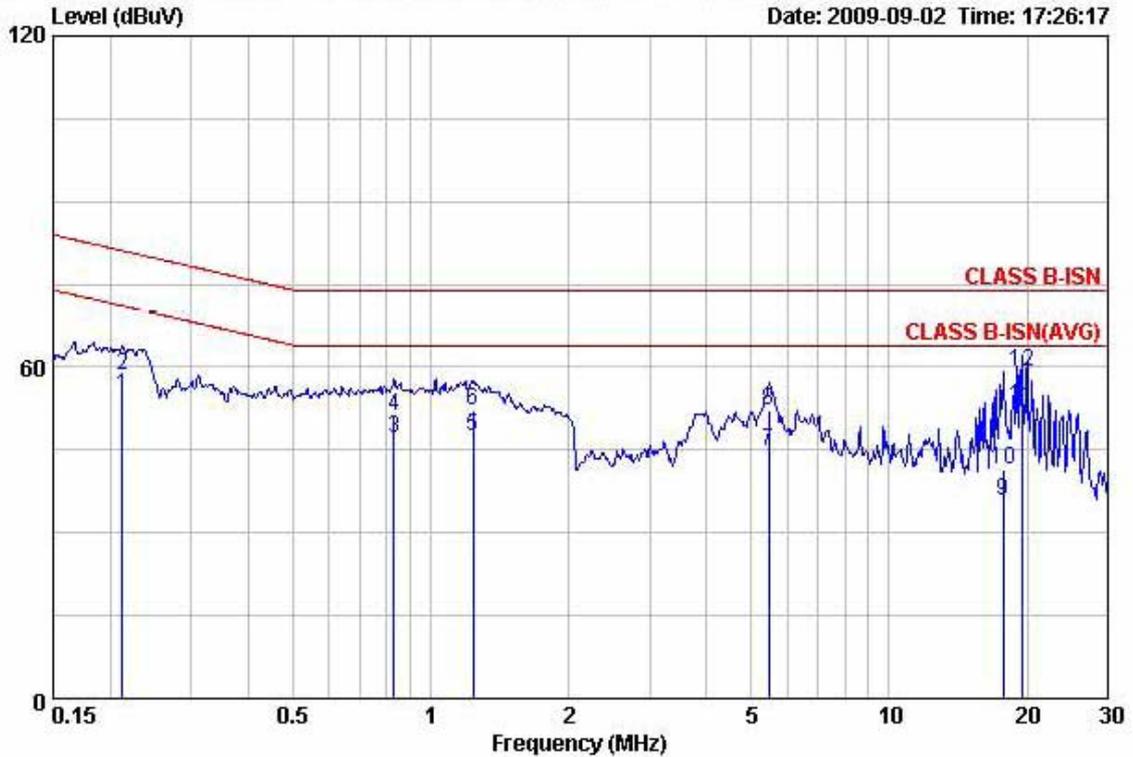
Item	Freq MHz	Read Value dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dBuV	Remark
1	0.159	39.558	0.070	39.628	55.516	-15.888	Average
2	0.159	53.076	0.070	53.146	65.516	-12.370	QP
3	0.216	41.634	0.071	41.705	52.987	-11.282	Average
4	0.216	46.070	0.071	46.141	62.987	-16.846	QP
5	0.463	41.088	0.083	41.171	46.640	-5.469	Average
6	0.463	43.442	0.083	43.525	56.640	-13.115	QP
7	17.490	25.954	0.492	26.446	50.000	-23.554	Average
8	17.490	44.600	0.492	45.092	60.000	-14.908	QP
9	18.810	36.401	0.507	36.908	50.000	-13.092	Average
10	18.810	49.432	0.507	49.939	60.000	-10.061	QP
11	20.770	37.698	0.535	38.233	50.000	-11.767	Average
12	20.770	41.468	0.535	42.003	60.000	-17.997	QP

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



2.5.1 Conducted Emission for Telecommunication Port Test Data

Power	: AC 120V	Temperature	: 24 °C
Test Mode 4	: ISN RJ11	Humidity	: 62 %
Memo	: Adapter: FA-1201000SUC		

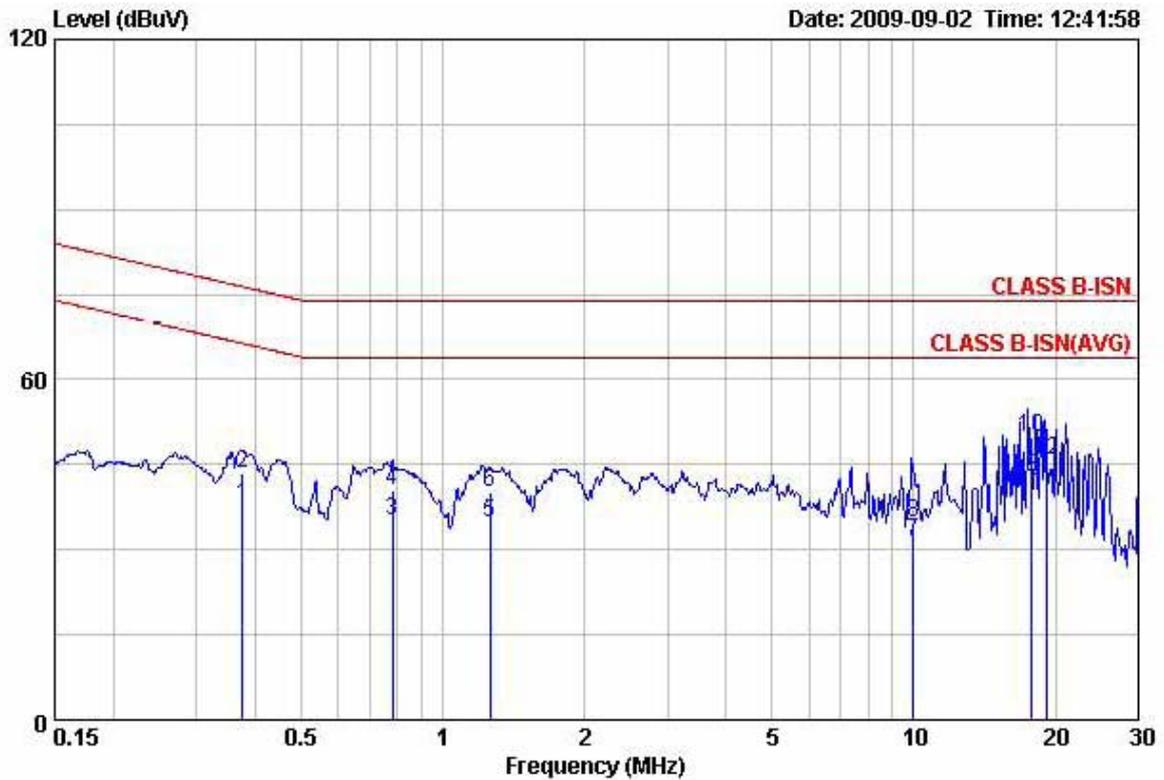


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.213	44.737	10.001	54.738	71.096	-16.358	Average
2	0.213	48.547	10.001	58.548	81.096	-22.548	QP
3	0.830	37.251	9.753	47.004	64.000	-16.996	Average
4	0.830	41.300	9.753	51.053	74.000	-22.947	QP
5	1.236	37.733	9.722	47.455	64.000	-16.545	Average
6	1.236	42.409	9.722	52.131	74.000	-21.869	QP
7	5.476	35.232	9.703	44.935	64.000	-19.065	Average
8	5.476	42.468	9.703	52.171	74.000	-21.829	QP
9	17.755	25.855	9.943	35.798	64.000	-28.202	Average
10	17.755	31.484	9.943	41.427	74.000	-32.573	QP
11	19.490	42.665	10.026	52.691	64.000	-11.309	Average
12	19.490	49.239	10.026	59.265	74.000	-14.735	QP

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



Power	: AC 120V	Temperature	: 24 °C
Test Mode 5	: ISN LAN (10M)	Humidity	: 62 %
Memo	: Adapter: FA-1201000SUC		

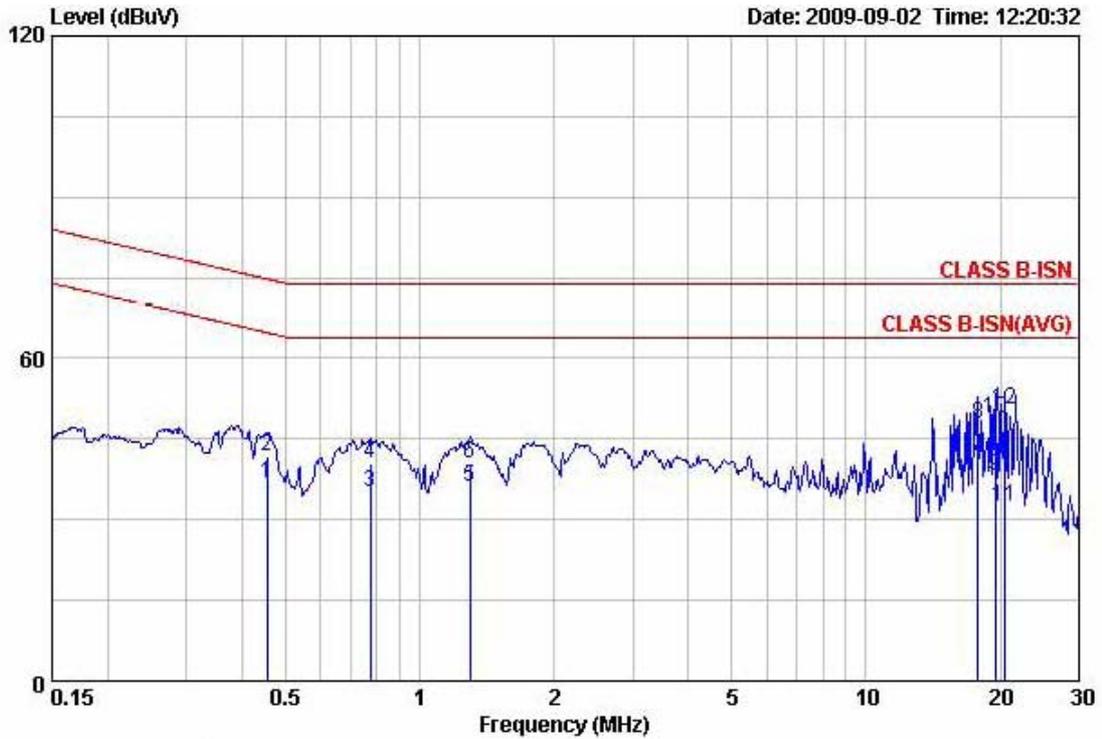


Item	Freq MHz	Read Value dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dBuV	Remark
1	0.375	37.749	0.029	37.778	66.387	-28.609	Average
2	0.375	43.332	0.029	43.361	76.387	-33.026	QP
3	0.783	35.026	0.045	35.071	64.000	-28.929	Average
4	0.783	40.445	0.045	40.490	74.000	-33.510	QP
5	1.262	34.573	0.057	34.630	64.000	-29.370	Average
6	1.262	39.900	0.057	39.957	74.000	-34.043	QP
7	10.000	31.135	0.180	31.315	64.000	-32.685	Average
8	10.000	34.746	0.180	34.926	74.000	-39.074	QP
9	17.800	42.567	0.212	42.779	64.000	-21.221	Average
10	17.800	49.485	0.212	49.697	74.000	-24.303	QP
11	19.120	39.735	0.217	39.952	64.000	-24.048	Average
12	19.120	45.591	0.217	45.808	74.000	-28.192	QP

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



Power	: AC 120V	Temperature	: 24 °C
Test Mode 6	: ISN LAN (100M)	Humidity	: 62 %
Memo	: Adapter: FA-1201000SUC		



Item	Freq MHz	Read Value dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dBuV	Remark
1	0.454	27.054	9.828	36.882	64.803	-27.921	Average
2	0.454	31.999	9.828	41.827	74.803	-32.976	QP
3	0.775	25.366	9.760	35.126	64.000	-28.874	Average
4	0.775	30.521	9.760	40.281	74.000	-33.719	QP
5	1.296	26.292	9.719	36.011	64.000	-27.989	Average
6	1.296	30.580	9.719	40.299	74.000	-33.701	QP
7	17.820	31.997	9.946	41.943	64.000	-22.057	Average
8	17.820	38.007	9.946	47.953	74.000	-26.047	QP
9	19.500	27.961	10.026	37.987	64.000	-26.013	Average
10	19.500	38.703	10.026	48.729	74.000	-25.271	QP
11	20.510	22.405	10.079	32.484	64.000	-31.516	Average
12	20.510	40.418	10.079	50.497	74.000	-23.503	QP

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

Test engineer: Tom



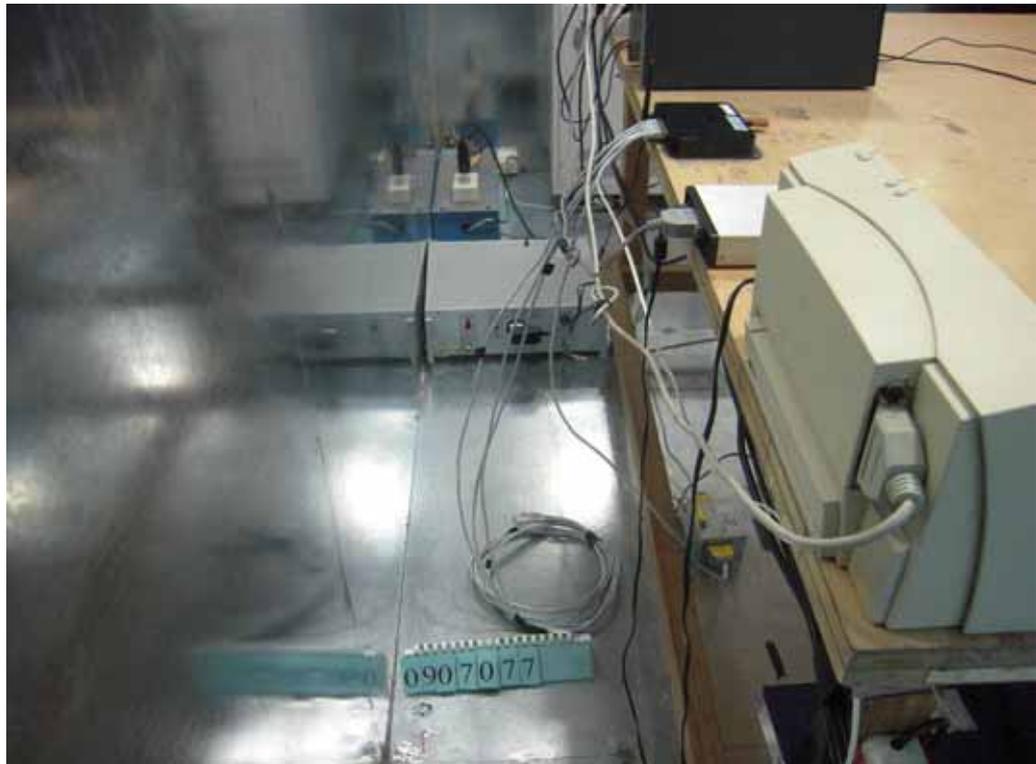
2.6. Test Photographs

2.6.1 Test Photographs of Power Port

Front View



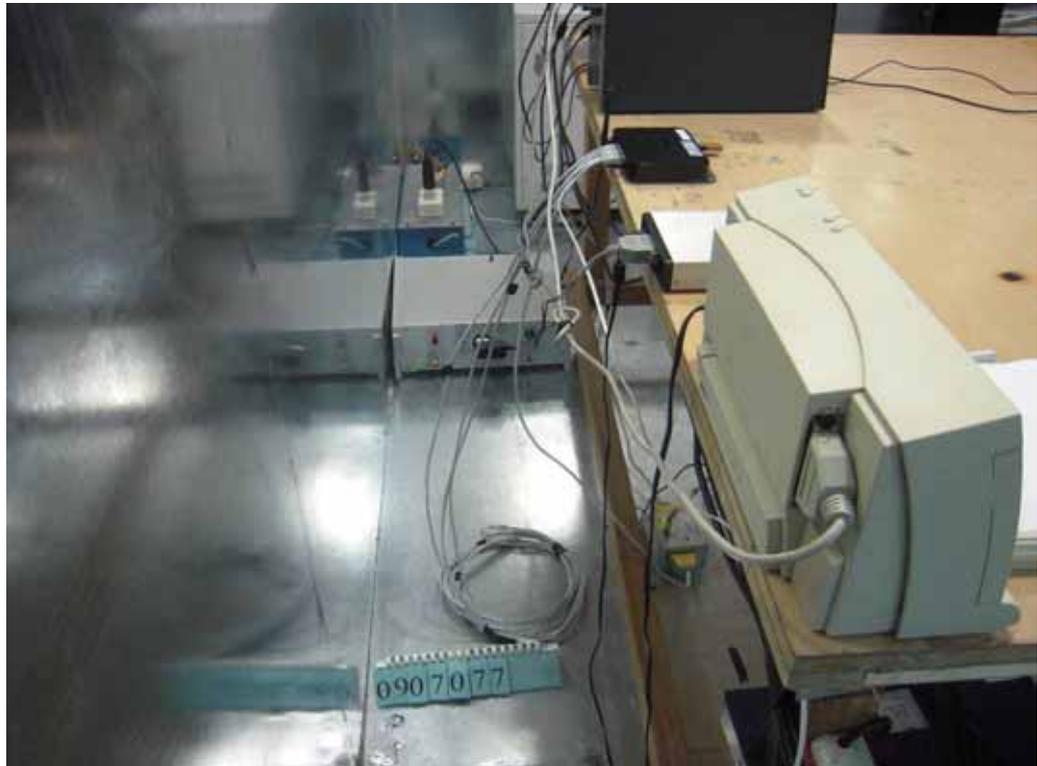
Rear View





2.6.2 Test Photographs of Telecommunication Port

Rear View





3. Test of Radiated Emission

3.1. Test Limit

Radiated emissions from 30 MHz to 6,000 MHz were measured with a bandwidth of 120 kHz according to the methods defines in ANSI C63.4-2003. The EUT was placed on a nonmetallic stand in the open-field site, 0.8 meter above the ground plane, as shown in section 3.2. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance Meters	Radiated (μ V / M)	Radiated (dB μ V/ M)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

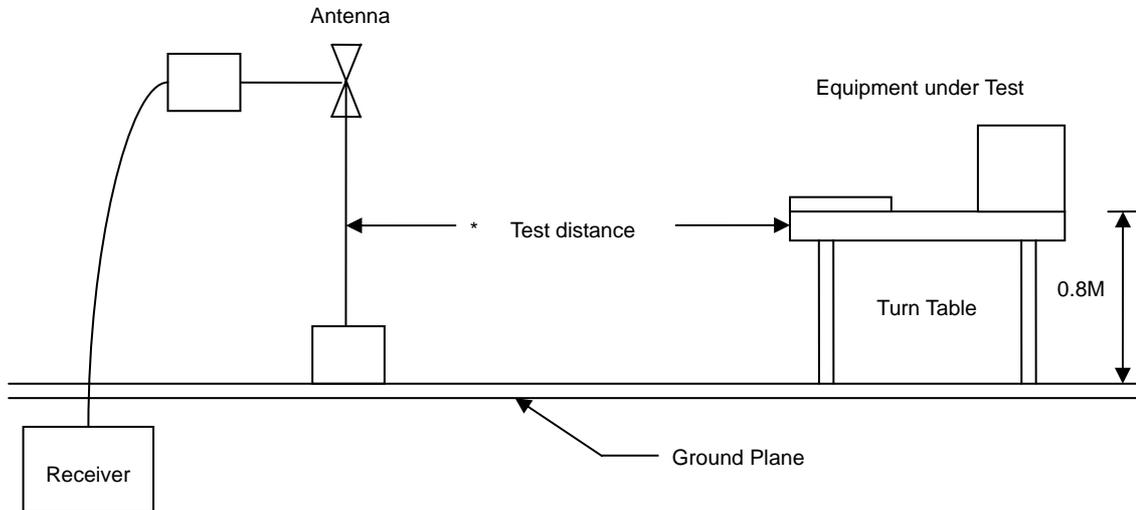
For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

Frequency (MHz)	Distance Meters	Radiated (dB μ V/ M)
30-230	10	30
230-1000	10	37

3.2. Test Procedures

- The EUT was placed on a Rota table top 0.8 meter above ground.
- The EUT was set 3/10 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a half wave dipole 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.
- 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.
- Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 6 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 6 dB margin will be repeated one by one using the quasi-peak method and reported.

3.3. Typical test Setup



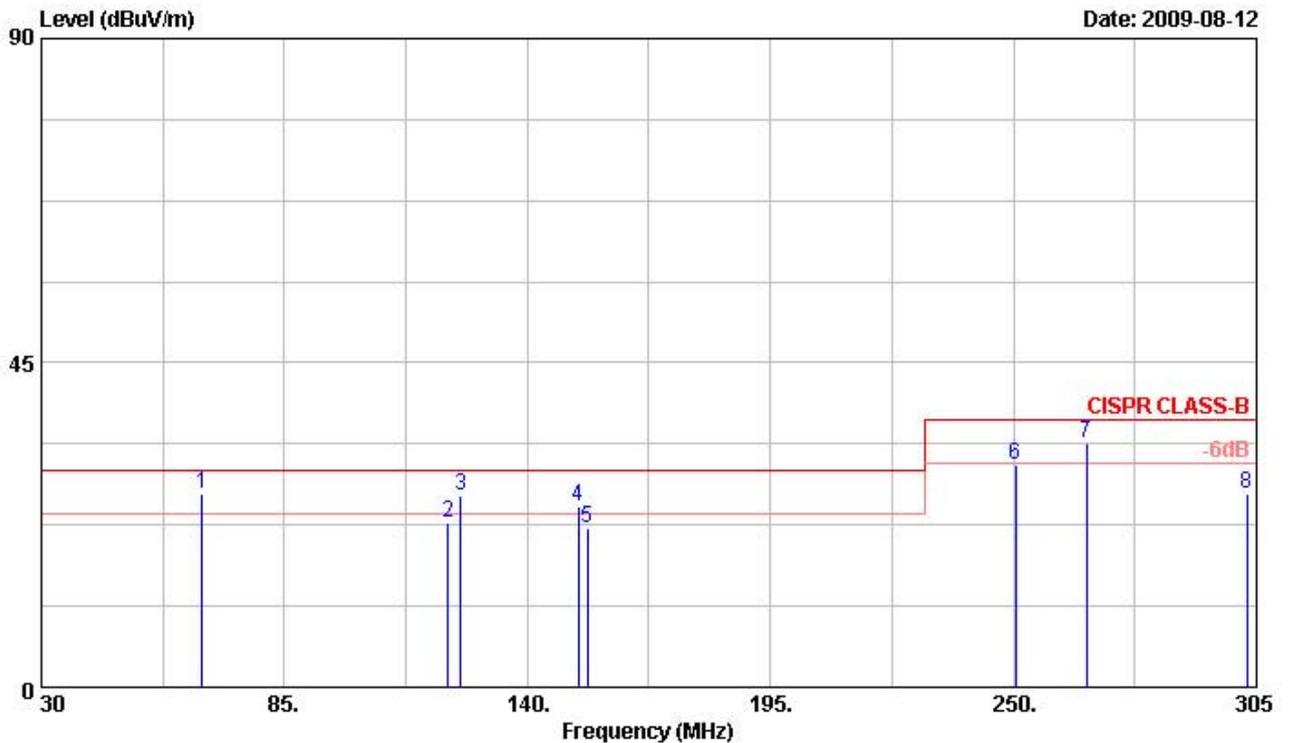
3.4. Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Bilog Antenna	Schaffner	CBL6112B	2840	2009/05/14	2010/05/13
Signal Generator	HP	8648B	3629U00612	2008/10/08	2009/10/07
Amplifier	Agilent	8447D	2944A10593	2009/05/21	2010/05/20
EMI Receiver	R&S	ESCI	100443	2008/12/19	2009/12/18
Spectrum Analyzer	R&S	FSP40	100047	2009/03/26	2010/03/25
Horn Antenna	EMCO	3115	31589	2009/05/04	2010/05/03
Preamplifier	Agilent	8449B	3008A01954	2009/02/27	2010/02/26



3.5. Test Result and Data

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: LINK LAN (100M) + Wireless (13.5M)	Temperature	: 34 °C
Memo	: Adapter: FA-1201000SUC	Humidity	: 75 %

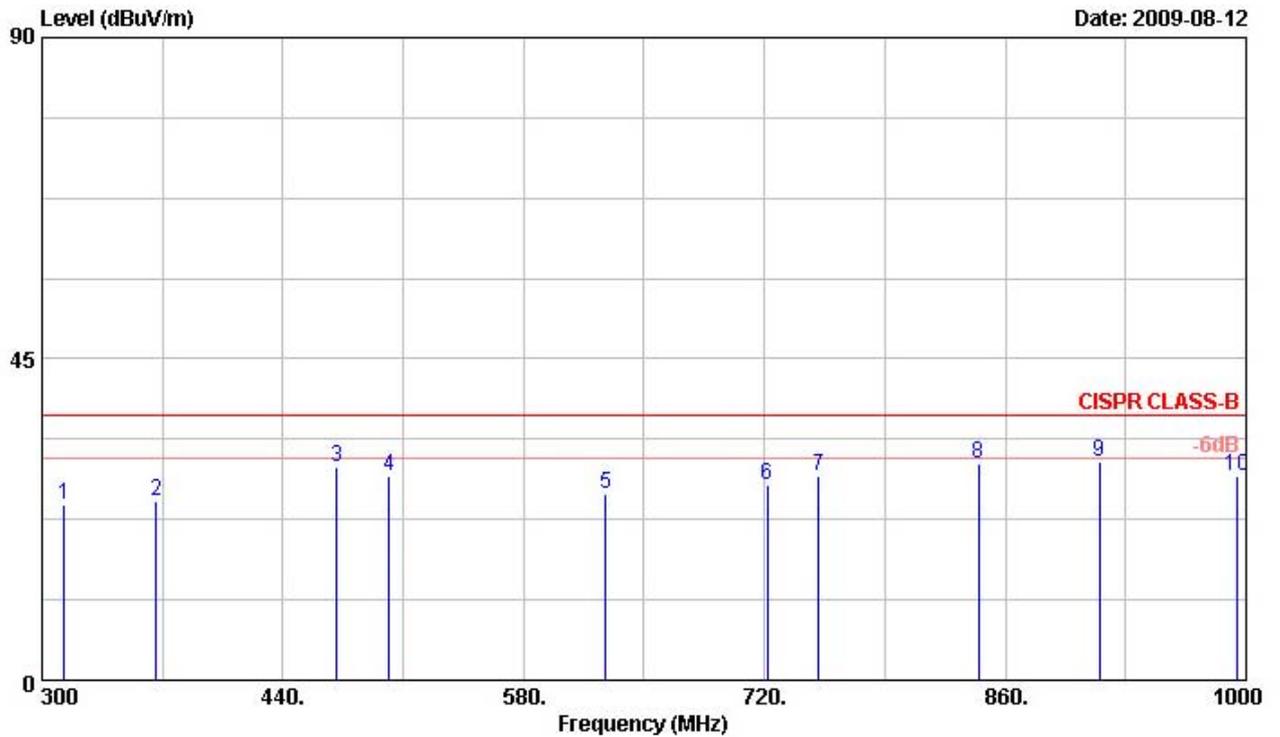


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	66.353	46.799	-19.903	26.896	30.000	-3.104	QP	200	280
2	122.125	36.570	-13.687	22.883	30.000	-7.117	Peak	100	360
3	125.010	39.899	-13.278	26.621	30.000	-3.379	QP	100	0
4	151.575	41.100	-15.973	25.127	30.000	-4.873	QP	100	220
5	153.560	37.700	-15.706	21.994	30.000	-8.006	QP	100	240
6	250.550	43.868	-13.147	30.721	37.000	-6.279	Peak	100	360
7	266.650	46.099	-12.218	33.881	37.000	-3.119	QP	100	300
8	302.800	37.910	-11.183	26.727	37.000	-10.273	Peak	100	360

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna factor + Cable loss - Amplifier factor



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: LINK LAN (100M) + Wireless (13.5M)	Temperature	: 34 °C
Memo	: Adapter: FA-1201000SUC	Humidity	: 75 %

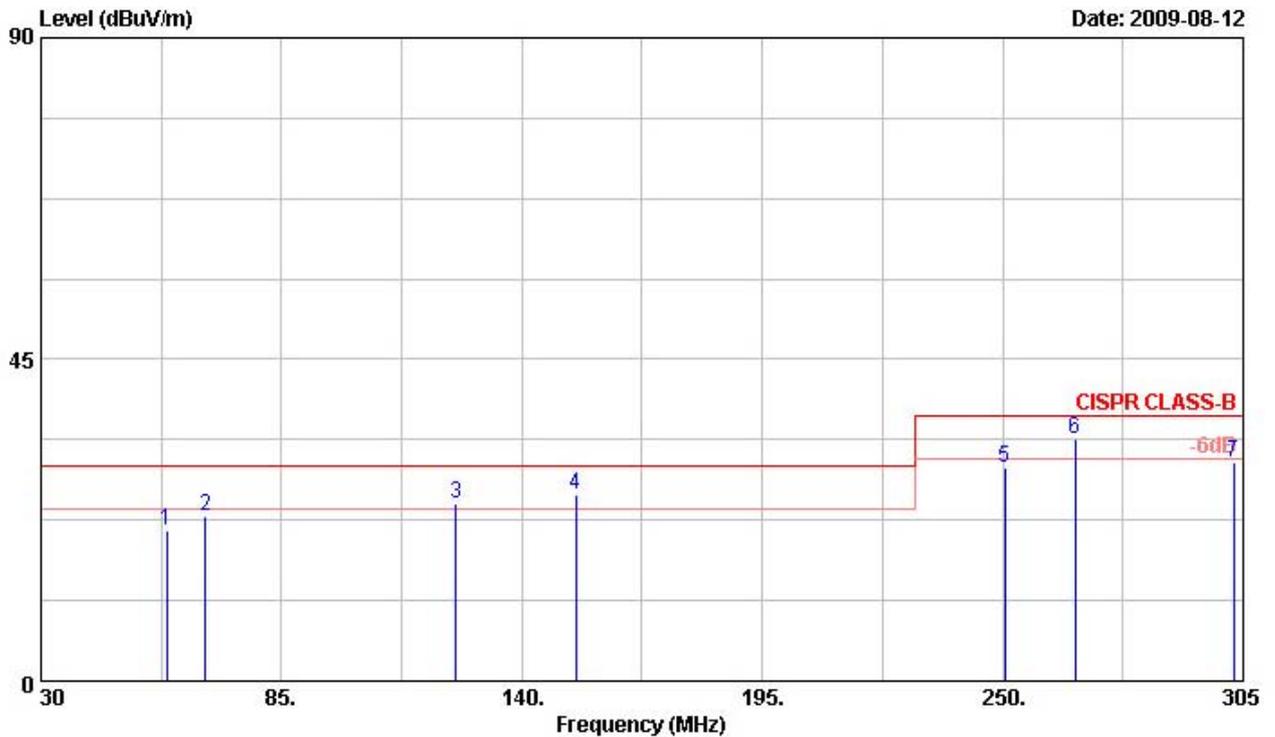


Item	Freq MHz	Read Value dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	312.600	35.470	-10.807	24.663	37.000	-12.337	Peak	400	0
2	366.500	34.001	-8.843	25.158	37.000	-11.842	Peak	400	0
3	471.500	37.170	-7.246	29.924	37.000	-7.076	Peak	400	0
4	501.600	35.810	-7.172	28.638	37.000	-8.362	Peak	400	0
5	627.600	32.451	-6.354	26.097	37.000	-10.903	Peak	400	0
6	721.400	32.971	-5.750	27.221	37.000	-9.779	Peak	400	0
7	751.500	33.430	-4.957	28.473	37.000	-8.527	Peak	400	0
8	844.600	32.919	-2.600	30.319	37.000	-6.681	Peak	400	0
9	914.600	31.439	-0.856	30.583	37.000	-6.417	Peak	400	0
10	994.400	28.270	0.192	28.462	37.000	-8.538	Peak	400	0

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna factor + Cable loss - Amplifier factor



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: LINK LAN (100M) + Wireless (13.5M)	Temperature	: 34 °C
Memo	: Adapter: FA-1201000SUC	Humidity	: 75 %

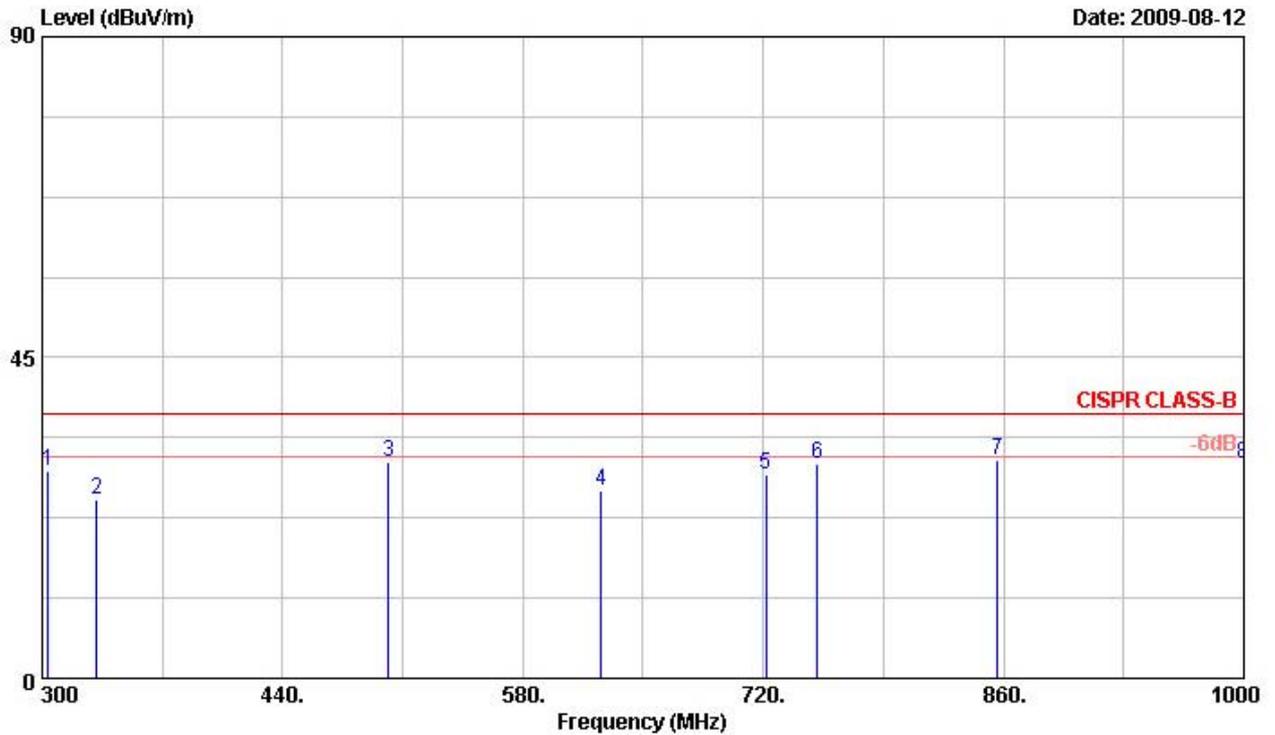


Item	Freq MHz	Read Value dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	58.750	39.751	-18.660	21.091	30.000	-8.909	QP	400	270
2	67.585	43.330	-20.188	23.142	30.000	-6.858	Peak	400	240
3	125.025	38.211	-13.281	24.930	30.000	-5.070	QP	400	240
4	152.375	41.889	-15.865	26.024	30.000	-3.976	QP	400	200
5	250.550	43.068	-13.147	29.921	37.000	-7.079	Peak	400	0
6	266.656	45.980	-12.219	33.761	37.000	-3.239	QP	400	270
7	302.800	41.820	-11.183	30.637	37.000	-6.363	Peak	400	0

Remarks: 1. Result = Read Value + Factor
2. Factor = Antenna factor + Cable loss - Amplifier factor



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: LINK LAN (100M) + Wireless (13.5M)	Temperature	: 34 °C
Memo	: Adapter: FA-1201000SUC	Humidity	: 75 %

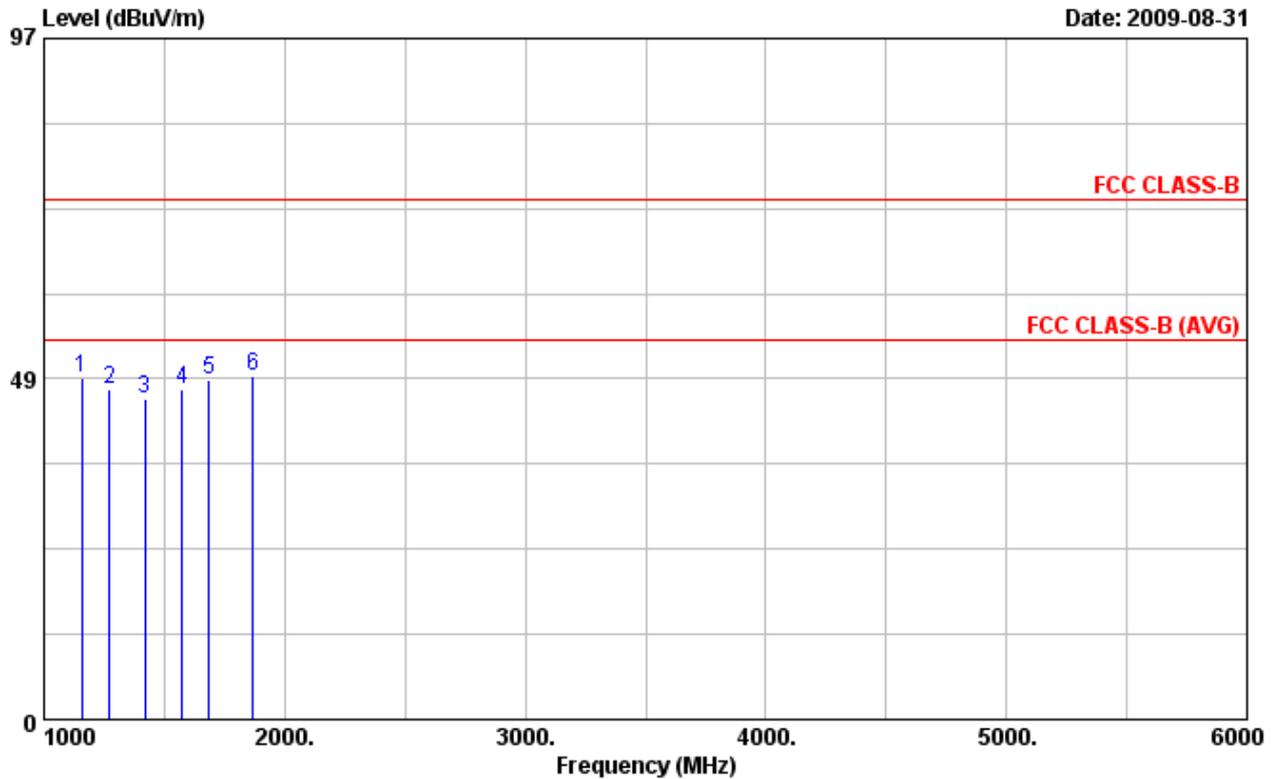


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	303.500	40.279	-11.155	29.124	37.000	-7.876	Peak	100	0
2	331.500	35.070	-10.084	24.986	37.000	-12.014	Peak	100	0
3	501.600	37.520	-7.172	30.348	37.000	-6.652	Peak	100	0
4	625.500	32.610	-6.363	26.247	37.000	-10.753	Peak	100	0
5	721.400	34.371	-5.750	28.621	37.000	-8.379	Peak	100	0
6	751.500	35.100	-4.957	30.143	37.000	-6.857	Peak	100	0
7	856.500	32.850	-2.240	30.610	37.000	-6.390	Peak	100	0
8	1000.000	29.900	0.280	30.180	37.000	-6.820	Peak	100	0

Remarks: 1. Result = Read Value + Factor
2. Factor = Antenna factor + Cable loss - Amplifier factor



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: LINK LAN (100M) + Wireless (13.5M)	Temperature	: 25 °C
Memo	: Adapter: FA-1201000SUC	Humidity	: 67 %

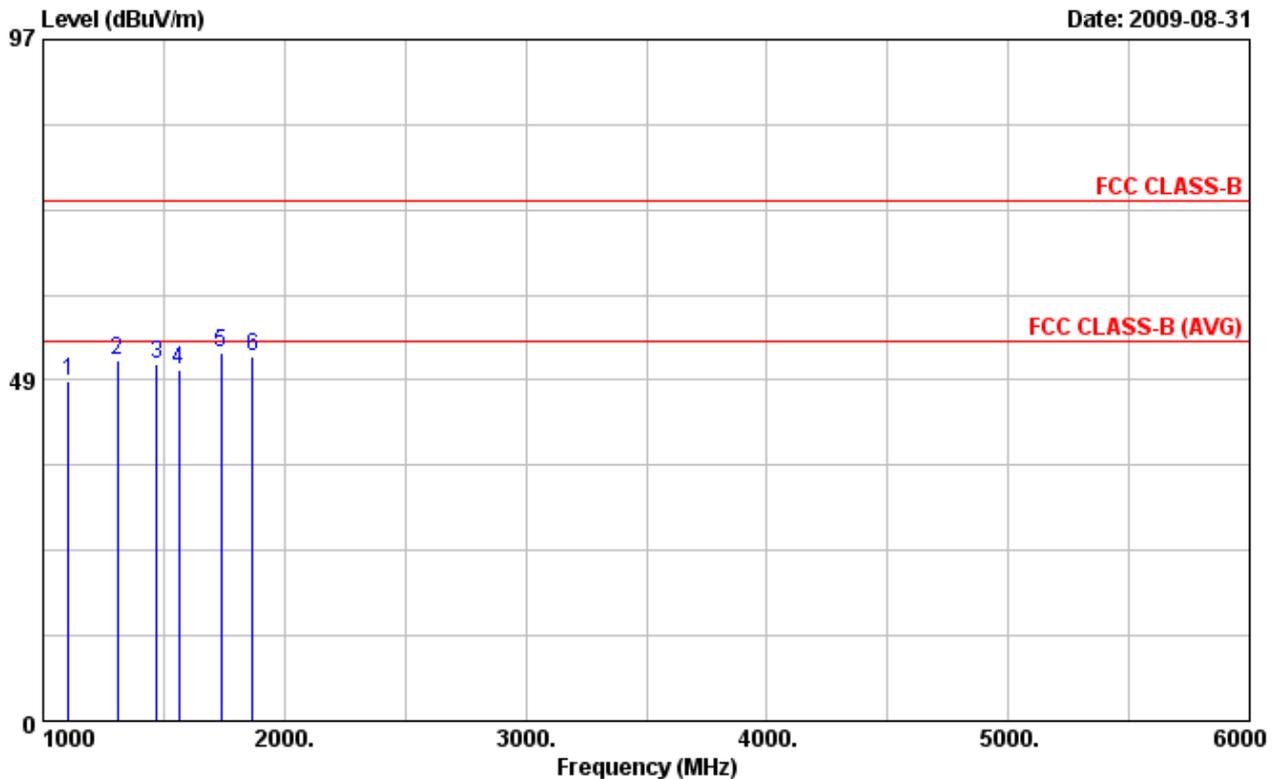


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	1157.000	57.176	-8.658	48.518	74.000	-25.482	Peak	100	0
2	1274.000	55.035	-7.956	47.079	74.000	-26.921	Peak	100	0
3	1418.000	52.875	-7.092	45.783	74.000	-28.217	Peak	100	0
4	1574.000	53.213	-6.186	47.027	74.000	-26.973	Peak	100	0
5	1685.000	53.910	-5.564	48.346	74.000	-25.654	Peak	100	0
6	1868.000	53.322	-4.539	48.783	74.000	-25.217	Peak	100	0

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna factor + Cable loss - Amplifier factor



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: LINK LAN (100M) + Wireless (13.5M)	Temperature	: 25 °C
Memo	: Adapter: FA-1201000SUC	Humidity	: 67 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	1104.000	57.210	-8.976	48.234	74.000	-25.766	Peak	100	0
2	1307.000	59.033	-7.758	51.275	74.000	-22.725	Peak	100	0
3	1470.000	57.506	-6.780	50.726	74.000	-23.274	Peak	100	0
4	1561.000	56.365	-6.258	50.107	74.000	-23.893	Peak	100	0
5	1738.000	57.733	-5.267	52.466	74.000	-21.534	Peak	100	0
6	1868.000	56.413	-4.539	51.874	74.000	-22.126	Peak	100	0

Remarks: 1. Result = Read Value + Factor
 2. Factor = Antenna factor + Cable loss - Amplifier factor

Test engineer: Ray



3.6. Test Photographs

Front View



Rear View

