



Ecom Sertech Corp.

Rm. 258, Bldg. 17, NO.195, Sec. 4 Chung Hsing Rd., ChuTung Chen, Hsinchu, Taiwan 310, R.O.C
TEL: 886-3-5918012 FAX: 886-3-5825720

FCC ID : PY3WG302

Report No. : EC04-03-008FRF

Page 1 of 130



TEST REPORT

Product Name : 802.11g ProSafe Wireless Access Point

Model Number : WG302

Applicant : NETGEAR Inc.

Address : 4500 Great America Parkway Santa Clara, CA 95054

Received Date : Mar. 09, 2004

Tested Date : Nov. 04 ~ Dec. 05, 2003, Mar. 09, 2004

Notes :

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2. This report refers only to the specimen(s) submitted to testing, and be invalid as separately used.
3. This report is invalid without examination stamp and signature of this institute.
4. The tested specimen(s) will be preserved for thirty days from the data issued.
5. The report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.





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Test Report Certification

Product Name : 802.11g ProSafe Wireless Access Point

Model Number : WG302

Applicant : NETGEAR Inc.

Measurement Standard :

47 CFR Part 15, Subpart B and Subpart C (Section 15.247),
ANSI C63.4-2001

Tested By : Y. H. Lin **Date** : Mar. 15, 2004

(Y. H. Lin)

Reviewed By : S. B. Wu **Date** : Mar. 15, 2004

(S. B. Wu)

Approved By : C. F. Wu **Date** : Mar. 15, 2004

(C.F.Wu, Manager)



WE HEREBY CERTIFY THAT: The measurements shown in the attachment were made in accordance with the procedures indicated, and the energy emitted by the equipment was found to be within the limits applicable. We assume full responsibility for the accuracy and completeness of these measurements and vouch for the qualifications of all persons taking them.



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1. GENERAL INFORMATION

1.1 General Statement

MEASUREMENT DEVIATION : Comply with standard in full

TRACEABILITY : This test result is traceable to national or international std.

1.2 General Description of EUT & Power

MANUFACTURER : NETGEAR Inc.

SAMPLE NAME : 802.11g ProSafe Wireless Access Point

MODEL NAME : WG302

FREQUENCY RANGE : 2412 MHz to 2462MHz

CHANNEL NUMBER : 11

AIR DATA RATE : 54Mbps (802.11g Mode), 11Mbps(802.11b Mode)

TYPE OF MODULATION : Orthogonal Frequency Division Multiplex or Direct Sequence Spread Spectrum

FREQUENCY SELECTION : BY SOFTWARE

EUT Description : 2.4GHz (Orthogonal Frequency Division Multiplex or Direct Sequence Spread Spectrum) Data Transceiver for 802.11g ProSafe Wireless Access Point

SIGNAL CABLE : Unshielded RS232 cable, 1m

ANTENNA TYPE :

Primary port :

Antenna	Manufacturer	Antenna Type.	Antenna Model	Antenna gain
1	NETGEAR	Ceiling Antenna	ANT24O5	5 dBi
2	NETGEAR	Omnidirectional Antenna	ANT24P12	12 dBi
3	NETGEAR	Patch Antenna	ANT24D18	18 dBi

ANTENNA CABLE : ACC-10314-01 : 1.5m (Attenuation:1.1dB)

Secondary port : Joymax / $1/2\lambda$ Dipole Antenna / IW-151RS-153(Rev.02) / 5 dBi

POWER SOURCE : 12VDC (From Power Adapter)

Power Adapter	Manufacturer	Model No.	Power Input	Power Output
1	NETGEAR	DV-151A-1	120VAC, 60Hz, 22W	12VDC, 1.2A
2	NETGEAR	DV-121A2J	100VAC, 50/60Hz, 27VA	12VDC, 1.2A



1.3 Proposed Modification Details

General

This section details the modifications to the Netgear model WG302 being proposed. All performance and construction deviations from the characteristics originally reported to the FCC are addressed

Antennas

Netgear wish to add the following antennas to the system :

Netgear Antenna	Netgear Cable Type	Antenna Gain	Netgear Antenna Type
ANT24P2	Direct to rf connector	2dBi	Omnidirectional Antenna
ANT24P3	Direct to rf connector	3 dBi	Omnidirectional Antenna
ANT24P4	Direct to rf connector	4 dBi	Omnidirectional Antenna
ANT24S4	ACC-10314-01,02,03,04 or05	4 dBi	Omnidirectional Triband Stand Antenna
ANT24P5	Direct to rf connector	5 dBi	Omnidirectional Antenna
ANT24S5	ACC-10314-01,02,03,04 or05	5 dBi	Omnidirectional Stand Antenna
ANT24P7	Direct to rf connector	7 dBi	Omnidirectional Antenna
ANT24P93	ACC-10314-01,02,03,04 or05	9 dBi	Omnidirectional triband Antenna
ANT2409	ACC-10314-01,02,03,04 or05	9 dBi	Omnidirectional
ANT24P12	ACC-10314-01,02,03,04 or05	12 dBi	Omnidirectional Antenna
ANT24P123	ACC-10314-01,02,03,04 or05	12 dBi	Omnidirectional triband Antenna
ANT24O5	ACC-10314-01,02,03,04 or05	5 dBi	Ceiling Antenna
ANT24D12	ACC-10314-01,02,03,04 or05	12 dBi	Patch Antenna
ANT24D18	ACC-10314-01,02,03,04 or05	18dBi	Patch Antenna

ANTENNA CABLE :

Antenna Cable Type	Length	Attenuation at 2.4~2.5 GHz
ACC-10314-01	1.5 m	1.1 dBi
ACC-10314-02	3 m	2.0 dBi
ACC-10314-03	5 m	3.2 dBi
ACC-10314-04	10 m	6.1 dBi
ACC-10314-05	30 m	18 dBi

All antenna use either a reverse gender SMA or a reverse gender N connector. Antennas provided with a male connector can connect directly to the radio. Those with a female connector have to be connected via a cable as noted in the table above. The shortest cable available is a 1.5m cable which has a loss of 1.1dB.

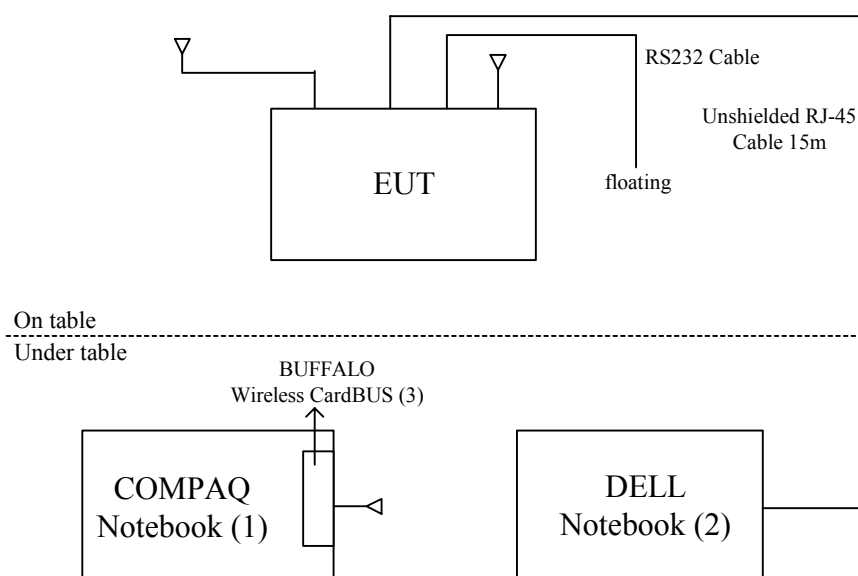
Radiated emissions was performed on the highest gain antenna of each type (Omni-directional, Ceiling and Patch) at the maximum output power from the device. The shortest commercially-available cable (1.5m) was use with the antennas tested to ensure the signal levels to the antennas was at the maximum possible level.

All of the proposed configurations have an MPE distance of less than 20cm. The original application included the user's manual with appropriate wording for the minimum separation distance to be 20cm.

1.4 Description of Peripherals

No.	Product	Manufacturer	Model No.	Serial No.	FCC ID
1	Notebook PC	COMPAQ	N 800V	5Y33KSQZMOXV 1YR	DOC
2	Notebook PC	DELL	PP01L	CN-09C748-48155 -1AP-6630	DOC
3	Wireless CardBUS	BUFFALO	WLI-CB-G54A	14084330810693	FDI-09101744-0

1.5 EUT & Peripherals Setup Diagram



1.6 EUT Operating Condition

1. Setup all computers like the setup diagram.
2. Notebook(1) ping 192.168.0.228 -t -1 500 to EUT.
3. Notebook(2) ping 192.168.0.228 -t -1 500 to EUT
4. Notebook(1) ping 192.168.0.120 -t -1 500 to Notebook (2)
5. Notebook(2) ping 192.168.0.121 -t -1 500 to Notebook (1)
6. All of the function are under run.
7. Start test.

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1.7 Description of Test Site

SITE DESCRIPTION : FCC Certificate NO. : 90585
BSMI Certificate NO. : SL2-IN-E-0002
NVLAP Lab code : 200118-0
CNLA Certificate NO. : CNLA-ZL97018
VCCI Certificate NO. : R-1229, C-1250

NAME OF SITE : Ecom Sertech Corp. Hsinchu
(Spin-off from ITRI / ERSO on Apr. 01, 2003)
SITE LOCATION : Rm.258, Bldg.17, NO.195, Sec. 4, Chung Hsing Rd.,
Chu-Tung Chen. Hsin-Chu, Taiwan 310 R.O.C.

1.8 Summary of Test Results

The EUT has been tested according to the following specifications :

APPLIED STANDARD : 47 CFR Part 15, Subpart B and Subpart C			
Standard Section	Test Type and Limit	Result	REMARK
15.107 15.207	AC Power Conducted Emission Limit : 15.107	PASS	Meet the requirement of limit
15.247(a)(2)	Spectrum Bandwidth of a Orthogonal Frequency Division Multiplex System Limit : 6dB bandwidth > 500KHz	PASS	Meet the requirement of limit
15.247(b)	Maximum Peak Output Power Limit : max. 30dBm	PASS	Meet the requirement of limit
15.109 15.205 15.209	Transmitter Radiated Emissions Limit : Table 15.209	PASS	Meet the requirement of limit
15.247(d)	Power Spectral Density Limit : max. 8dBm	PASS	Meet the requirement of limit
15.247(c)	Out of Band Emission and Restricted Band Radiation Limit:20dB less than peak value of fundamental frequency Restricted band Limit:Table 15.209	PASS	Meet the requirement of limit



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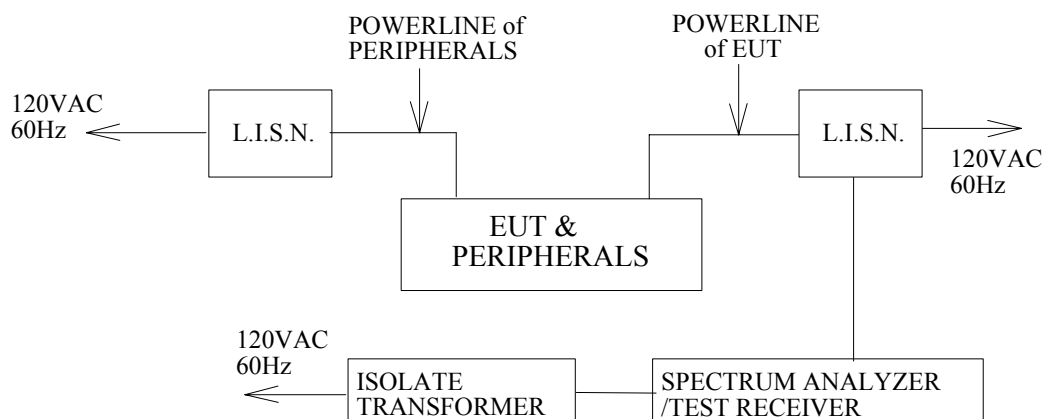
2. CONDUCTED POWERLINE TEST

2.1 Test Equipments

The following test equipments are used during the conducted powerline tests :

Manufacturer or Type	Model No	Serial No.	Date of Calibration	Calibration Period	Remark
SPECTRUM ANALYZER & DISPLAY	HP 8568A	2235A02320	APR. 01, 2003	1 Year	PRETEST
QUASI-PEAK ADAPTER	HP 85650 A	2341A00672	APR. 01, 2003	1 Year	PRETEST
ISOLATION TRANSFORMER	SOLAR 7032-1	N/A	N/A	N/A	FINAL
L.I.S.N.	EMCO 3850/2	9311-1025 9401-1028	JAN. 08, 2003 For Characteristic impedance MAY 18, 2003 For Insertion loss	1 Year	FINAL
TEST RECEIVER	R/S ESHS30	838550/003	JUN. 07, 2003	1 Year	FINAL
SHIELDED ROOM	KEENE 5983	NO.1	N/A	N/A	FINAL
PULSE LIMIT	R/S EHS3Z2	357.8810.52	JUL. 10, 2003	1 Year	FINAL
N TYPE COAXIAL CABLE	-----	-----	JUL. 10, 2003	1 Year	FINAL
50Ω TERMINATOR	-----	-----	JUL. 10, 2003	1 Year	FINAL

2.2 Test Setup



2.3 Conducted Power Line Emission Limit

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following :

Frequency (MHz)	Maximum RF Line Voltage (Db μ v)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56	56-46
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

For intentional device, according to § 15.207(a) Line Conducted Emission Limit is same as above table.

2.4 Test Procedure

The test procedure is performed in a 12ft×12ft×8ft(L×W×H) shielded room. the EUT along with its peripherals were placed on a 1.0m(W)× 1.5m(L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane. The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chasis ground was bounded to the horizontal ground plane of shielded room. All peripherals were connected to the second LISN and the chasis ground also bounded to the horizontal ground plane of shielded room. The excess power cable between the EUT and the LISN was bundled. The power cables of peripherals were unbundled. All connecting cables of EUT and peripherals were moved to find the maximum emission.

2.5 Uncertainty of Conducted Emission

The uncertainty of conducted emission is ± 1.36 dB.



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2.6 Conducted RF Voltage Measurement

The frequency spectrum from 0.15 MHz to 30 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

Temperature : 26 °C

Humidity : 65 % RH

Frequency (MHz)	Loss(dB)		Measurement				L1 Emission (dBμV)		L2 Emission (dBμV)		Limits (dBμV)	
			L1(dBμV)		L2(dBμV)							
	L1	L2	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.
0.150	0.10	0.20	*	*	*	*	*	*	*	*	66.00	56.00
0.228	0.10	0.20	35.00	*	*	*	35.10	*	*	*	62.52	52.52
0.162	0.10	0.20	*	*	35.90	*	*	*	36.10	*	65.36	55.36
0.300	0.10	0.20	26.90	*	25.50	*	27.00	*	25.70	*	60.24	50.24
0.639	0.10	0.20	*	*	26.10	*	*	*	26.30	*	56.00	46.00
0.654	0.10	0.20	25.30	*	*	*	25.40	*	*	*	56.00	46.00
1.797	0.10	0.20	*	*	15.60	*	*	*	15.80	*	56.00	46.00
1.944	0.10	0.20	14.50	*	*	*	14.60	*	*	*	56.00	46.00
4.041	0.20	0.20	22.80	*	20.00	*	23.00	*	20.20	*	56.00	46.00
7.632	0.36	0.30	33.00	*	*	*	33.36	*	*	*	60.00	50.00
9.126	0.41	0.41	36.20	*	*	*	36.61	*	*	*	60.00	50.00
9.438	0.44	0.44	*	*	33.30	*	*	*	33.74	*	60.00	50.00
24.000	1.00	1.00	40.30	*	37.30	*	41.30	*	38.30	*	60.00	50.00
30.000	1.40	1.80	*	*	*	*	*	*	*	*	60.00	50.00

REMARKS : 1. * Undetectable or the Q.P. value is lower than the limits of Ave.

2. The EUT can be operated in transmitting, stand-by and receiving mode.

After preliminary scan, EUT in transmitting mode has highest emission.

The EUT was set in transmitting mode at final test to get the worst case test results.

3. Both antenna 1, 2, 3 have been verified. The test results of antenna 1, 2, 3 are the same.

4. Mode : 802.11b mode.

5. Power Adapter : NETGEAR / DV-151A-1

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The frequency spectrum from 0.15 MHz to 30 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

Temperature : 26 °C

Humidity : 65 % RH

Frequency (MHz)	Loss(dB)		Measurement				L1 Emission		L2 Emission		Limits	
			L1(dBμV)		L2(dBμV)		(dBμV)		(dBμV)		(dBμV)	
	L1	L2	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.
0.150	0.10	0.20	*	*	*	*	*	*	*	*	66.00	56.00
0.210	0.10	0.20	36.80	*	*	*	36.90	*	*	*	63.21	53.21
0.189	0.10	0.20	*	*	32.70	*	*	*	32.90	*	64.08	54.08
0.300	0.10	0.20	27.10	*	17.90	*	27.20	*	18.10	*	60.24	50.24
0.639	0.10	0.20	25.80	*	*	*	25.90	*	*	*	56.00	46.00
0.654	0.10	0.20	*	*	16.10	*	*	*	16.30	*	56.00	46.00
1.344	0.10	0.20	*	*	13.40	*	*	*	13.60	*	56.00	46.00
1.944	0.10	0.20	13.10	*	*	*	13.20	*	*	*	56.00	46.00
3.888	0.20	0.20	23.50	*	*	*	23.70	*	*	*	56.00	46.00
4.035	0.20	0.20	*	*	19.00	*	*	*	19.20	*	56.00	46.00
7.776	0.38	0.30	*	*	25.80	*	*	*	26.10	*	60.00	50.00
7.926	0.39	0.30	34.10	*	*	*	34.49	*	*	*	60.00	50.00
9.114	0.41	0.41	*	*	33.00	*	*	*	33.41	*	60.00	50.00
9.873	0.49	0.49	35.40	*	*	*	35.89	*	*	*	60.00	50.00
24.000	1.00	1.00	40.40	*	38.10	*	41.40	*	39.10	*	60.00	50.00
30.000	1.40	1.80	*	*	*	*	*	*	*	*	60.00	50.00

REMARKS : 1. * Undetectable or the Q.P. value is lower than the limits of Ave.

2. The EUT can be operated in transmitting, stand-by and receiving mode.

After preliminary scan, EUT in transmitting mode has highest emission.

The EUT was set in transmitting mode at final test to get the worst case test results.

3. Both antenna 1, 2, 3 have been verified. The test results of antenna 1, 2, 3 are the same.

4. Mode : 802.11g mode.

5. Power Adapter : NETGEAR / DV-151A-1

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The frequency spectrum from 0.15 MHz to 30 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

Temperature : 26 °C

Humidity : 65 % RH

Frequency (MHz)	Loss(dB)		Measurement				L1 Emission (dBμV)		L2 Emission (dBμV)		Limits (dBμV)	
			L1(dBμV)		L2(dBμV)							
	L1	L2	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.
0.150	0.10	0.20	*	*	*	*	*	*	*	*	66.00	56.00
0.183	0.10	0.20	32.20	*	*	*	32.30	*	*	*	64.35	54.35
0.210	0.10	0.20	*	*	36.90	*	*	*	37.10	*	63.21	53.21
0.303	0.10	0.20	*	*	24.50	*	*	*	24.70	*	60.16	50.16
0.312	0.10	0.20	17.30	*	*	*	17.40	*	*	*	59.92	49.92
0.597	0.10	0.20	16.40	*	*	*	16.50	*	*	*	56.00	46.00
0.627	0.10	0.20	*	*	24.90	*	*	*	25.10	*	56.00	46.00
1.791	0.10	0.20	16.10	*	*	*	16.20	*	*	*	56.00	46.00
1.794	0.10	0.20	*	*	16.60	*	*	*	16.80	*	56.00	46.00
3.738	0.20	0.20	19.60	*	*	*	19.80	*	*	*	56.00	46.00
4.035	0.20	0.20	*	*	21.80	*	*	*	22.00	*	56.00	46.00
7.773	0.38	0.30	31.40	*	*	*	31.78	*	*	*	60.00	50.00
7.776	0.38	0.30	*	*	31.20	*	*	*	31.50	*	60.00	50.00
9.417	0.44	0.44	*	*	34.70	*	*	*	35.14	*	60.00	50.00
9.564	0.46	0.46	34.60	*	*	*	35.06	*	*	*	60.00	50.00
24.000	1.00	1.00	38.50	*	39.30	*	39.50	*	40.30	*	60.00	50.00
30.000	1.40	1.80	*	*	*	*	*	*	*	*	60.00	50.00

REMARKS : 1. * Undetectable or the Q.P. value is lower than the limits of Ave.

2. The EUT can be operated in transmitting, stand-by and receiving mode.

After preliminary scan, EUT in transmitting mode has highest emission.

The EUT was set in transmitting mode at final test to get the worst case test results.

3. Both antenna 1, 2, 3 have been verified. The test results of antenna 1, 2, 3 are the same.

4. Mode : 802.11b mode.

5. Power Adapter : NETGEAR / DV-121A2J

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The frequency spectrum from 0.15 MHz to 30 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

Temperature : 26 °C

Humidity : 65 % RH

Frequency (MHz)	Loss(dB)		Measurement				L1 Emission		L2 Emission		Limits	
			L1(dBμV)		L2(dBμV)		(dBμV)		(dBμV)		(dBμV)	
	L1	L2	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.
0.150	0.10	0.20	*	*	*	*	*	*	*	*	66.00	56.00
0.183	0.10	0.20	32.80	*	*	*	32.90	*	*	*	64.35	54.35
0.231	0.10	0.20	*	*	29.90	*	*	*	30.10	*	62.41	52.41
0.327	0.10	0.20	17.60	*	19.20	*	17.70	*	19.40	*	59.53	49.53
0.597	0.10	0.20	16.20	*	*	*	16.30	*	*	*	56.00	46.00
0.657	0.10	0.20	*	*	23.10	*	*	*	23.30	*	56.00	46.00
1.794	0.10	0.20	*	*	15.70	*	*	*	15.90	*	56.00	46.00
1.941	0.10	0.20	15.80	*	*	*	15.90	*	*	*	56.00	46.00
3.885	0.20	0.20	21.20	*	*	*	21.40	*	*	*	56.00	46.00
4.032	0.20	0.20	*	*	21.80	*	*	*	22.00	*	56.00	46.00
7.767	0.38	0.30	31.50	*	32.00	*	31.88	*	32.30	*	60.00	50.00
9.261	0.43	0.43	*	*	35.20	*	*	*	35.63	*	60.00	50.00
9.864	0.49	0.49	33.80	*	*	*	34.29	*	*	*	60.00	50.00
23.997	1.00	1.00	37.80	*	*	*	38.80	*	*	*	60.00	50.00
24.000	1.00	1.00	*	*	39.50	*	*	*	40.50	*	60.00	50.00
30.000	1.40	1.80	*	*	*	*	*	*	*	*	60.00	50.00

REMARKS : 1. * Undetectable or the Q.P. value is lower than the limits of Ave.

2. The EUT can be operated in transmitting, stand-by and receiving mode.

After preliminary scan, EUT in transmitting mode has highest emission.

The EUT was set in transmitting mode at final test to get the worst case test results.

3. Both antenna 1, 2, 3 have been verified. The test results of antenna 1, 2, 3 are the same.

4. Mode : 802.11g mode.

5. Power Adapter : NETGEAR / DV-121A2J

2.7 Photos of Conduction Test

Antenna 1



Antenna 2



Antenna 3





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3. RADIATED EMISSION TEST

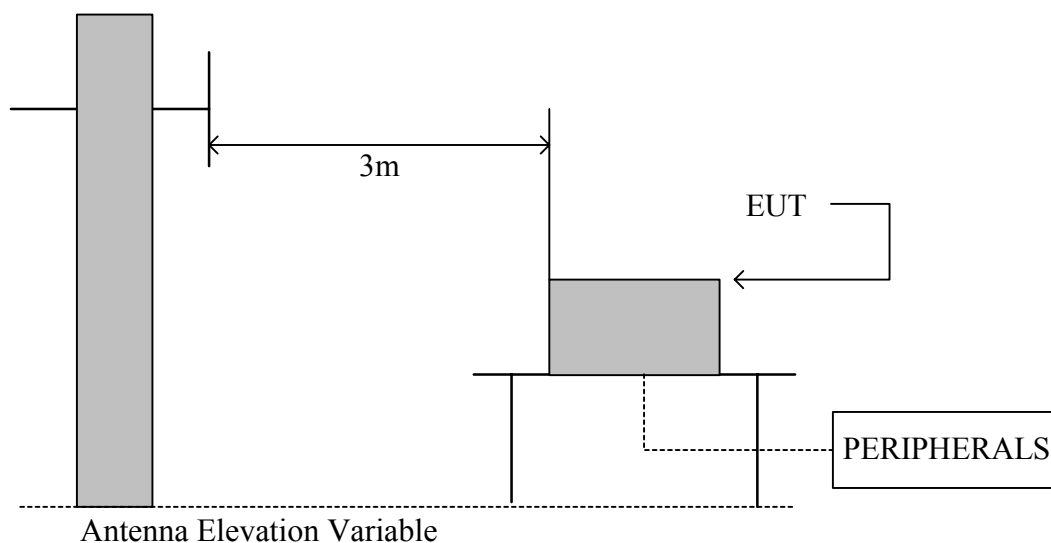
3.1 Test Equipments

The following test equipments are utilized in making the measurements contained in this report.

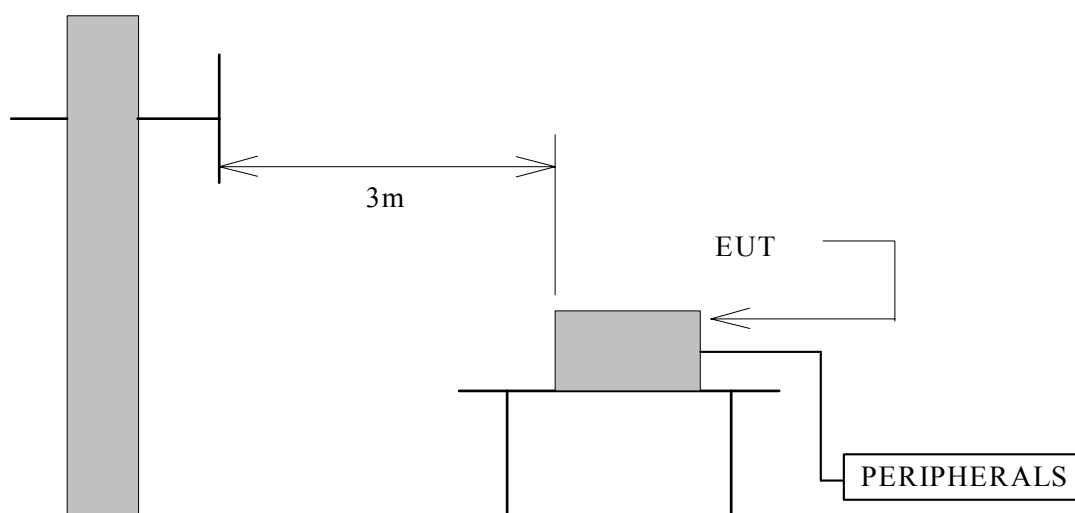
Manufacturer or Type	Model No	Serial No	Date of Calibration	Calibration Period	Remark
CHASE BI-LOG ANTENNA	CBL6112B	2421	MAY 07, 2003	1 Year	FINAL
OPEN SITE	-----	No.2	JAN. 10, 2003	1 Year	FINAL
N TYPE COAXIAL CABLE	CHA9525	4	JUL. 13, 2003	1 Year	FINAL
Horn Antenna	AH-118	10089	FEB. 25, 2003	1 Year	FINAL
HP Pre-amplifier	8449B	3008A01471	NOV. 07, 2003	1 Year	FINAL
HP High pass filter	84300/80038	011	Cal. on use	1 Year	FINAL
Horn Antenna	AH-840	03077	FEB. 25, 2003	1 Year	FINAL

3.2 Test Setup

The diagram below shows the test setup that is utilized to make the measurements for emission from 30 to 1GHz.



The diagram below shows the test setup that is utilized to make the measurements for emission above 1GHz.



Antenna Elevation Variable

3.3 Radiation Limit

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 (dBμV/M)	Radiated (μV/M)
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.



3.4 Test Procedures

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

NOTE :

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

3.5 Uncertainty of Radiated Emission

The uncertainty of radiated emission is $\pm 2.72\text{dB}$.



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3.6 Radiated RF Noise Measurement

Test Requirement: 15.109, 15.209

The frequency spectrum from 30 MHz to 1000 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

All readings are quasi-peak values.

Temperature : 20.4 °C

Humidity : 44 % RH

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading at 3m(dBμV)		Limits at 3m (dBμV/m)	Emission Level at 3m(dBμV/m)	
			Horizontal	Vertical		Horizontal	Vertical
30.000	21.39	0.90	*	*	40.00	*	*
192.030	10.31	2.72	9.10	9.10	43.50	22.13	22.13
200.460	10.41	2.80	10.30	11.40	43.50	23.52	24.62
299.990	13.50	3.60	12.90	8.70	46.00	30.00	25.80
359.990	15.74	3.96	12.30	6.40	46.00	32.00	26.10
399.980	17.24	4.20	11.40	9.70	46.00	32.84	31.14
429.980	17.56	4.41	5.90	8.20	46.00	27.87	30.17
439.990	17.67	4.48	8.70	7.30	46.00	30.85	29.45
526.480	18.64	5.03	7.30	6.90	46.00	30.98	30.58
701.980	19.45	5.91	11.20	10.70	46.00	36.56	36.06
1000.000	21.58	7.00	*	*	54.00	*	*

REMARKS : 1. * Undetectable

2. Emission level (dBμV/m) = Antenna Factor (dB/m) + Cable loss (dB)
+ Meter Reading (dBμV).

3. According to technical experiences, all spurious emission at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.

4. The EUT can be operated in TX, RX and Stand-by mode. After a preliminary Scan. We found EUT in TX mode generated highest emission. The EUT was Set to TX mode in final test.

5. Mode : Wireless 802.11b Transmitting test (Antenna 1).

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Test Requirement: 15.109, 15.209

The frequency spectrum from 30 MHz to 1000 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

All readings are quasi-peak values.

Temperature : 20.4 °C

Humidity : 44 % RH

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading at 3m(dBμV)		Limits at 3m (dBμV/m)	Emission Level at 3m(dBμV/m)	
			Horizontal	Vertical		Horizontal	Vertical
30.000	21.39	0.90	*	*	40.00	*	*
192.030	10.31	2.72	9.30	10.10	43.50	22.33	23.13
200.460	10.41	2.80	10.40	11.60	43.50	23.62	24.82
299.990	13.50	3.60	13.30	9.40	46.00	30.40	26.50
359.990	15.74	3.96	12.40	6.10	46.00	32.10	25.80
399.980	17.24	4.20	12.10	9.70	46.00	33.54	31.14
429.980	17.56	4.41	6.10	9.60	46.00	28.07	31.57
439.990	17.67	4.48	8.90	7.50	46.00	31.05	29.65
526.480	18.64	5.03	7.20	7.10	46.00	30.88	30.78
701.980	19.45	5.91	12.40	10.30	46.00	37.76	35.66
1000.000	21.58	7.00	*	*	54.00	*	*

REMARKS : 1. * Undetectable

2. Emission level (dBμV/m) = Antenna Factor (dB/m) + Cable loss (dB)
+ Meter Reading (dBμV).

3. According to technical experiences, all spurious emission at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.

4. The EUT can be operated in TX, RX and Stand-by mode. After a preliminary Scan. We found EUT in TX mode generated highest emission. The EUT was Set to TX mode in final test.

5. Mode : Wireless 802.11g Transmitting test (Antenna 1).

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Test Requirement: 15.109, 15.209

The frequency spectrum from 30 MHz to 1000 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

All readings are quasi-peak values.

Temperature : 23.3 °CHumidity : 58 % RH

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading at 3m(dBμV)		Limits at 3m (dBμV/m)	Emission Level at 3m(dBμV/m)	
			Horizontal	Vertical		Horizontal	Vertical
30.000	21.39	0.90	*	*	40.00	*	*
192.030	10.31	2.72	9.30	8.80	43.50	22.33	21.83
200.460	10.41	2.80	10.20	10.90	43.50	23.42	24.12
299.990	13.50	3.60	12.40	7.90	46.00	29.50	25.00
359.990	15.74	3.96	11.30	6.30	46.00	31.00	26.00
399.980	17.24	4.20	10.20	9.40	46.00	31.64	30.84
429.980	17.56	4.41	7.10	8.10	46.00	29.07	30.07
439.990	17.67	4.48	8.60	7.00	46.00	30.75	29.15
526.480	18.64	5.03	7.80	6.80	46.00	31.48	30.48
701.980	19.45	5.91	12.40	11.70	46.00	37.76	37.06
1000.000	21.58	7.00	*	*	54.00	*	*

REMARKS : 1. *Undetectable

2. Emission level (dBμV/m) = Antenna Factor (dB/m) + Cable loss (dB)
+ Meter Reading (dBμV).

3. According to technical experiences, all spurious emission at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.

4. The EUT can be operated in TX, RX and Stand-by mode. After a preliminary Scan. We found EUT in TX mode generated highest emission. The EUT was Set to TX mode in final test.

5. Mode : Wireless 802.11b Transmitting test (Antenna 2).

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Test Requirement: 15.109, 15.209

The frequency spectrum from 30 MHz to 1000 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

All readings are quasi-peak values.

Temperature : 23.3 °C

Humidity : 58 % RH

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading at 3m(dBμV)		Limits at 3m (dBμV/m)	Emission Level at 3m(dBμV/m)	
			Horizontal	Vertical		Horizontal	Vertical
30.000	21.39	0.90	*	*	40.00	*	*
192.030	10.31	2.72	9.60	9.10	43.50	22.63	22.13
200.460	10.41	2.80	11.20	11.80	43.50	24.42	25.02
299.990	13.50	3.60	13.10	8.30	46.00	30.20	25.40
359.990	15.74	3.96	11.70	6.50	46.00	31.40	26.20
399.980	17.24	4.20	11.00	9.10	46.00	32.44	30.54
429.980	17.56	4.41	7.30	8.30	46.00	29.27	30.27
439.990	17.67	4.48	8.50	7.80	46.00	30.65	29.95
526.480	18.64	5.03	7.20	6.60	46.00	30.88	30.28
701.980	19.45	5.91	12.70	11.80	46.00	38.06	37.16
1000.000	21.58	7.00	*	*	54.00	*	*

REMARKS : 1. *Undetectable

2. Emission level (dBμV/m) = Antenna Factor (dB/m) + Cable loss (dB)
+ Meter Reading (dBμV).

3. According to technical experiences, all spurious emission at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.

4. The EUT can be operated in TX, RX and Stand-by mode. After a preliminary Scan. We found EUT in TX mode generated highest emission. The EUT was Set to TX mode in final test.

5. Mode : Wireless 802.11g Transmitting test (Antenna 2).

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Test Requirement: 15.109, 15.209

The frequency spectrum from 30 MHz to 1000 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

All readings are quasi-peak values.

Temperature : 23.3 °CHumidity : 58 % RH

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading at 3m(dBμV)		Limits at 3m (dBμV/m)	Emission Level at 3m(dBμV/m)	
			Horizontal	Vertical		Horizontal	Vertical
30.000	21.39	0.90	*	*	40.00	*	*
192.030	10.31	2.72	8.30	9.10	43.50	21.33	22.13
200.460	10.41	2.80	9.70	10.60	43.50	22.92	23.82
299.990	13.50	3.60	13.10	8.10	46.00	30.20	25.20
359.990	15.74	3.96	11.20	6.70	46.00	30.90	26.40
399.980	17.24	4.20	10.70	9.10	46.00	32.14	30.54
429.980	17.56	4.41	6.10	7.90	46.00	28.07	29.87
439.990	17.67	4.48	7.80	6.70	46.00	29.95	28.85
526.480	18.64	5.03	8.30	6.80	46.00	31.98	30.48
701.980	19.45	5.91	13.20	11.20	46.00	38.56	36.56
1000.000	21.58	7.00	*	*	54.00	*	*

REMARKS : 1. *Undetectable

2. Emission level (dBμV/m) = Antenna Factor (dB/m) + Cable loss (dB)
+ Meter Reading (dBμV).

3. According to technical experiences, all spurious emission at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.

4. The EUT can be operated in TX, RX and Stand-by mode. After a preliminary Scan. We found EUT in TX mode generated highest emission. The EUT was Set to TX mode in final test.

5. Mode : Wireless 802.11b Transmitting test (Antenna 3).

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Test Requirement: 15.109, 15.209

The frequency spectrum from 30 MHz to 1000 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits.

All readings are quasi-peak values.

Temperature : 23.3 °C

Humidity : 58 % RH

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading at 3m(dBμV)		Limits at 3m (dBμV/m)	Emission Level at 3m(dBμV/m)	
			Horizontal	Vertical		Horizontal	Vertical
30.000	21.39	0.90	*	*	40.00	*	*
192.030	10.31	2.72	8.70	9.30	43.50	21.73	22.33
200.460	10.41	2.80	9.80	10.70	43.50	23.02	23.92
299.990	13.50	3.60	12.70	8.40	46.00	29.80	25.50
359.990	15.74	3.96	11.40	6.90	46.00	31.10	26.60
399.980	17.24	4.20	10.50	9.40	46.00	31.94	30.84
429.980	17.56	4.41	6.40	7.20	46.00	28.37	29.17
439.990	17.67	4.48	7.90	6.90	46.00	30.05	29.05
526.480	18.64	5.03	8.70	7.10	46.00	32.38	30.78
701.980	19.45	5.91	12.70	10.70	46.00	38.06	36.06
1000.000	21.58	7.00	*	*	54.00	*	*

REMARKS : 1. * Undetectable

2. Emission level (dBμV/m) = Antenna Factor (dB/m) + Cable loss (dB)
+ Meter Reading (dBμV).

3. According to technical experiences, all spurious emission at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.

4. The EUT can be operated in TX, RX and Stand-by mode. After a preliminary Scan. We found EUT in TX mode generated highest emission. The EUT was Set to TX mode in final test.

5. Mode : Wireless 802.11g Transmitting test (Antenna 3).

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH1 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4824.02	42.96	34.44	2.82	35.16	9.50	0.00	35.56	74	-38.44	P	1.0
4824.02	33.06	34.44	2.82	35.16	9.50	0.00	25.66	54	-28.34	A	1.0
7235.88	42.57	39.81	4.79	35.65	9.50	0.00	42.02	74	-31.98	P	1.0
7235.88	32.85	39.81	4.79	35.65	9.50	0.00	32.30	54	-21.70	A	1.0
9648.26	42.77	38.54	5.90	36.44	9.50	0.00	41.27	74	-32.73	P	1.0
9648.26	33.05	38.54	5.90	36.44	9.50	0.00	31.55	54	-22.45	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 1).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH1 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4823.89	43.28	34.44	2.82	35.16	9.50	0.00	35.88	74	-38.12	P	1.0
4823.89	32.91	34.44	2.82	35.16	9.50	0.00	25.51	54	-28.49	A	1.0
7236.11	43.25	39.81	4.79	35.65	9.50	0.00	42.70	74	-31.30	P	1.0
9648.37	32.91	38.54	5.90	36.44	9.50	0.00	31.41	54	-22.59	A	1.0
9648.83	42.67	38.54	5.90	36.44	9.50	0.00	41.17	74	-32.83	P	1.0
9648.83	32.14	38.54	5.90	36.44	9.50	0.00	30.64	54	-23.36	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 1).

**Ecom Sertech Corp.**

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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4874.01	42.73	34.77	2.73	35.20	9.50	0.00	35.53	74	-38.47	P	1.0
*4874.01	32.75	34.77	2.73	35.20	9.50	0.00	25.55	54	-28.45	A	1.0
*7311.02	42.83	39.78	4.82	35.64	9.50	0.00	42.29	74	-31.71	P	1.0
*7311.02	31.89	39.78	4.82	35.64	9.50	0.00	31.35	54	-22.65	A	1.0
9748.14	32.47	38.53	5.90	36.60	9.50	0.00	30.80	74	-43.20	P	1.0
9748.14	33.14	38.53	5.90	36.60	9.50	0.00	31.47	54	-22.53	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 1).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
*4873.16	42.08	34.76	2.73	35.20	9.50	0.00	34.87	74	-39.13	P	1.0
*4873.16	33.87	34.76	2.73	35.20	9.50	0.00	26.66	54	-27.34	A	1.0
*7311.55	43.54	39.78	4.82	35.64	9.50	0.00	43.00	74	-31.00	P	1.0
*7311.55	31.64	39.78	4.82	35.64	9.50	0.00	31.10	54	-22.90	A	1.0
9747.61	43.04	38.53	5.90	36.60	9.50	0.00	41.37	74	-32.63	P	1.0
9747.61	32.55	38.53	5.90	36.60	9.50	0.00	30.88	54	-23.12	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 1).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
*4923.27	42.54	35.09	2.64	35.24	9.50	0.00	35.53	74	-38.47	P	1.0
*4923.27	31.88	35.09	2.64	35.24	9.50	0.00	24.87	54	-29.13	A	1.0
*7387.99	43.75	39.74	4.86	35.62	9.50	0.00	43.23	74	-30.77	P	1.0
*7387.99	33.09	39.74	4.86	35.62	9.50	0.00	32.57	54	-21.43	A	1.0
9848.16	43.02	38.52	5.90	36.76	9.50	0.00	41.18	74	-32.82	P	1.0
9848.16	32.46	38.52	5.90	36.76	9.50	0.00	30.62	54	-23.38	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 1).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
*4923.11	43.56	35.09	2.64	35.24	9.50	0.00	36.55	74	-37.45	P	1.0
*4923.11	32.44	35.09	2.64	35.24	9.50	0.00	25.43	54	-28.57	A	1.0
*7387.05	42.89	39.75	4.85	35.62	9.50	0.00	42.37	74	-31.63	P	1.0
*7387.05	32.15	39.75	4.85	35.62	9.50	0.00	31.63	54	-22.37	A	1.0
9847.83	43.11	38.52	5.90	36.76	9.50	0.00	41.27	74	-32.73	P	1.0
9847.83	32.78	38.52	5.90	36.76	9.50	0.00	30.94	54	-23.06	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 1).

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH1 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4824.09	43.12	34.44	2.82	35.16	9.50	0.00	35.72	74	-38.28	P	1.0
4824.09	32.88	34.44	2.82	35.16	9.50	0.00	25.48	54	-28.52	A	1.0
7235.88	42.56	39.81	4.79	35.65	9.50	0.00	42.01	74	-31.99	P	1.0
7235.88	33.41	39.81	4.79	35.65	9.50	0.00	32.86	54	-21.14	A	1.0
9648.03	41.89	38.54	5.90	36.44	9.50	0.00	40.39	74	-33.61	P	1.0
9648.03	32.03	38.54	5.90	36.44	9.50	0.00	30.53	54	-23.47	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 1).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH1 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4823.98	43.05	34.44	2.82	35.16	9.50	0.00	35.65	74	-38.35	P	1.0
4823.98	33.51	34.44	2.82	35.16	9.50	0.00	26.11	54	-27.89	A	1.0
7236.87	42.19	39.81	4.79	35.65	9.50	0.00	41.64	74	-32.36	P	1.0
7236.87	32.88	39.81	4.79	35.65	9.50	0.00	32.33	54	-21.67	A	1.0
9647.98	42.70	38.54	5.90	36.44	9.50	0.00	41.20	74	-32.80	P	1.0
9647.98	32.59	38.54	5.90	36.44	9.50	0.00	31.09	54	-22.91	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 1).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4874.03	43.58	34.77	2.73	35.20	9.50	0.00	36.38	74	-37.62	P	1.0
4874.03	33.03	34.77	2.73	35.20	9.50	0.00	25.83	54	-28.17	A	1.0
7311.55	42.25	39.78	4.82	35.64	9.50	0.00	41.71	74	-32.29	P	1.0
7311.55	33.35	39.78	4.82	35.64	9.50	0.00	32.81	54	-21.19	A	1.0
9748.06	42.77	38.53	5.90	36.60	9.50	0.00	41.10	74	-32.90	P	1.0
9748.06	34.32	38.53	5.90	36.60	9.50	0.00	32.65	54	-21.35	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 1).

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4873.16	42.60	34.76	2.73	35.20	9.50	0.00	35.39	74	-38.61	P	1.0
4873.16	31.18	34.76	2.73	35.20	9.50	0.00	23.97	54	-30.03	A	1.0
7311.55	42.97	39.78	4.82	35.64	9.50	0.00	42.43	74	-31.57	P	1.0
7311.55	32.22	39.78	4.82	35.64	9.50	0.00	31.68	54	-22.32	A	1.0
9747.61	42.57	38.53	5.90	36.60	9.50	0.00	40.90	74	-33.10	P	1.0
9747.61	32.58	38.53	5.90	36.60	9.50	0.00	30.91	54	-23.09	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 1).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4923.27	42.13	35.09	2.64	35.24	9.50	0.00	35.12	74	-38.88	P	1.0
4923.27	33.88	35.09	2.64	35.24	9.50	0.00	26.87	54	-27.13	A	1.0
7387.99	43.13	39.74	4.86	35.62	9.50	0.00	42.61	74	-31.39	P	1.0
7387.99	31.88	39.74	4.86	35.62	9.50	0.00	31.36	54	-22.64	A	1.0
9848.16	43.02	38.52	5.90	36.76	9.50	0.00	41.18	74	-32.82	P	1.0
9848.16	32.58	38.52	5.90	36.76	9.50	0.00	30.74	54	-23.26	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 1).

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4923.11	43.21	35.09	2.64	35.24	9.50	0.00	36.20	74	-37.80	P	1.0
4923.11	33.61	35.09	2.64	35.24	9.50	0.00	26.60	54	-27.40	A	1.0
7387.05	42.85	39.75	4.85	35.62	9.50	0.00	42.33	74	-31.67	P	1.0
7387.05	32.58	39.75	4.85	35.62	9.50	0.00	32.06	54	-21.94	A	1.0
9847.83	42.87	38.52	5.90	36.76	9.50	0.00	41.03	74	-32.97	P	1.0
9847.83	33.25	38.52	5.90	36.76	9.50	0.00	31.41	54	-22.59	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 1).

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FCC ID : PY3WG302

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH1 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4824.01	43.26	34.44	2.82	35.16	9.50	0.00	35.86	74	-38.14	P	1.0
4824.01	33.20	34.44	2.82	35.16	9.50	0.00	25.80	54	-28.20	A	1.0
7237.11	42.86	39.81	4.79	35.65	9.50	0.00	42.31	74	-31.69	P	1.0
7237.11	33.98	39.81	4.79	35.65	9.50	0.00	33.43	54	-20.57	A	1.0
9648.07	43.28	38.54	5.90	36.44	9.50	0.00	41.78	74	-32.22	P	1.0
9648.07	33.66	38.54	5.90	36.44	9.50	0.00	32.16	54	-21.84	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 2).



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FCC ID : PY3WG302

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH1 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4823.95	43.25	34.44	2.82	35.16	9.50	0.00	35.85	74	-38.15	P	1.0
4823.95	31.85	34.44	2.82	35.16	9.50	0.00	24.45	54	-29.55	A	1.0
7236.99	44.26	39.81	4.79	35.65	9.50	0.00	43.71	74	-30.29	P	1.0
7236.99	32.94	39.81	4.79	35.65	9.50	0.00	32.39	54	-21.61	A	1.0
9648.00	43.65	38.54	5.90	36.44	9.50	0.00	42.15	74	-31.85	P	1.0
9648.00	31.88	38.54	5.90	36.44	9.50	0.00	30.38	54	-23.62	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 2).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4873.83	42.56	34.77	2.73	35.20	9.50	0.00	35.36	74	-38.64	P	1.0
4873.83	32.84	34.77	2.73	35.20	9.50	0.00	25.64	54	-28.36	A	1.0
7311.03	42.87	39.78	4.82	35.64	9.50	0.00	42.33	74	-31.67	P	1.0
7311.03	33.08	39.78	4.82	35.64	9.50	0.00	32.54	54	-21.46	A	1.0
9748.24	43.56	38.53	5.90	36.60	9.50	0.00	41.89	74	-32.11	P	1.0
9748.24	31.89	38.53	5.90	36.60	9.50	0.00	30.22	54	-23.78	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 2).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4874.03	43.25	34.77	2.73	35.20	9.50	0.00	36.05	74	-37.95	P	1.0
4874.03	32.15	34.77	2.73	35.20	9.50	0.00	24.95	54	-29.05	A	1.0
7312.04	42.28	39.78	4.82	35.64	9.50	0.00	41.74	74	-32.26	P	1.0
7312.04	32.71	39.78	4.82	35.64	9.50	0.00	32.17	54	-21.83	A	1.0
9748.21	43.56	38.53	5.90	36.60	9.50	0.00	41.89	74	-32.11	P	1.0
9748.21	33.21	38.53	5.90	36.60	9.50	0.00	31.54	54	-22.46	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 2).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4924.11	42.85	35.10	2.64	35.24	9.50	0.00	35.85	74	-38.15	P	1.0
4924.11	33.05	35.10	2.64	35.24	9.50	0.00	26.05	54	-27.95	A	1.0
7387.99	42.57	39.74	4.86	35.62	9.50	0.00	42.05	74	-31.95	P	1.0
7387.99	32.85	39.74	4.86	35.62	9.50	0.00	32.33	54	-21.67	A	1.0
9848.02	42.87	38.52	5.90	36.76	9.50	0.00	41.03	74	-32.97	P	1.0
9848.02	33.25	38.52	5.90	36.76	9.50	0.00	31.41	54	-22.59	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 2).

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4924.06	43.87	35.10	2.64	35.24	9.50	0.00	36.87	74	-37.13	P	1.0
4924.06	32.57	35.10	2.64	35.24	9.50	0.00	25.57	54	-28.43	A	1.0
7386.01	42.89	39.75	4.85	35.62	9.50	0.00	42.37	74	-31.63	P	1.0
7386.01	33.67	39.75	4.85	35.62	9.50	0.00	33.15	54	-20.85	A	1.0
9847.97	43.87	38.52	5.90	36.76	9.50	0.00	42.03	74	-31.97	P	1.0
9847.97	33.65	38.52	5.90	36.76	9.50	0.00	31.81	54	-22.19	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 2).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/06
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH1 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4824.26	42.36	34.44	2.82	35.16	9.50	0.00	34.96	74	-39.04	P	1.0
4824.26	33.25	34.44	2.82	35.16	9.50	0.00	25.85	54	-28.15	A	1.0
7236.02	44.03	39.81	4.79	35.65	9.50	0.00	43.48	74	-30.52	P	1.0
7236.02	33.89	39.81	4.79	35.65	9.50	0.00	33.34	54	-20.66	A	1.0
9648.03	42.87	38.54	5.90	36.44	9.50	0.00	41.37	74	-32.63	P	1.0
9648.03	32.10	38.54	5.90	36.44	9.50	0.00	30.60	54	-23.40	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 2).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/06
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH1 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4824.16	42.96	34.44	2.82	35.16	9.50	0.00	35.56	74	-38.44	P	1.0
4824.16	31.88	34.44	2.82	35.16	9.50	0.00	24.48	54	-29.52	A	1.0
7237.55	42.78	39.80	4.80	35.65	9.50	0.00	42.23	74	-31.77	P	1.0
7237.55	32.56	39.80	4.80	35.65	9.50	0.00	32.01	54	-21.99	A	1.0
9648.83	41.36	38.54	5.90	36.44	9.50	0.00	39.86	74	-34.14	P	1.0
9648.83	32.58	38.54	5.90	36.44	9.50	0.00	31.08	54	-22.92	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 2).

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Test Requirement: 15.109 ,15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/06
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH6 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4873.83	43.58	34.77	2.73	35.20	9.50	0.00	36.38	74	-37.62	P	1.0
4873.83	32.55	34.77	2.73	35.20	9.50	0.00	25.35	54	-28.65	A	1.0
7312.22	43.87	39.78	4.82	35.64	9.50	0.00	43.33	74	-30.67	P	1.0
7312.22	32.41	39.78	4.82	35.64	9.50	0.00	31.87	54	-22.13	A	1.0
9747.94	42.83	38.53	5.90	36.60	9.50	0.00	41.16	74	-32.84	P	1.0
9747.94	33.52	38.53	5.90	36.60	9.50	0.00	31.85	54	-22.15	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz,VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 2).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/06
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH6 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4873.16	44.20	34.76	2.73	35.20	9.50	0.00	36.99	74	-37.01	P	1.0
4873.16	33.65	34.76	2.73	35.20	9.50	0.00	26.44	54	-27.56	A	1.0
7311.55	42.43	39.78	4.82	35.64	9.50	0.00	41.89	74	-32.11	P	1.0
7311.55	33.52	39.78	4.82	35.64	9.50	0.00	32.98	54	-21.02	A	1.0
9747.61	41.96	38.53	5.90	36.60	9.50	0.00	40.29	74	-33.71	P	1.0
9747.61	32.71	38.53	5.90	36.60	9.50	0.00	31.04	54	-22.96	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 2).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/06
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH11 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4923.27	42.85	35.09	2.64	35.24	9.50	0.00	35.84	74	-38.16	P	1.0
4923.27	33.65	35.09	2.64	35.24	9.50	0.00	26.64	54	-27.36	A	1.0
7386.54	42.85	39.75	4.85	35.62	9.50	0.00	42.33	74	-31.67	P	1.0
7386.54	33.25	39.75	4.85	35.62	9.50	0.00	32.73	54	-21.27	A	1.0
9848.16	42.57	38.52	5.90	36.76	9.50	0.00	40.73	74	-33.27	P	1.0
9848.16	32.88	38.52	5.90	36.76	9.50	0.00	31.04	54	-22.96	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 2).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/06
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH11 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4924.02	42.56	35.10	2.64	35.24	9.50	0.00	35.56	74	-38.44	P	1.0
4924.02	33.26	35.10	2.64	35.24	9.50	0.00	26.26	54	-27.74	A	1.0
7386.59	43.71	39.75	4.85	35.62	9.50	0.00	43.19	74	-30.81	P	1.0
7386.59	32.88	39.75	4.85	35.62	9.50	0.00	32.36	54	-21.64	A	1.0
9848.20	42.56	38.52	5.90	36.76	9.50	0.00	40.72	74	-33.28	P	1.0
9848.20	32.91	38.52	5.90	36.76	9.50	0.00	31.07	54	-22.93	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 2).

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH1 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4824.01	43.26	34.44	2.82	35.16	9.50	0.00	35.86	74	-38.14	P	1.0
4824.01	33.20	34.44	2.82	35.16	9.50	0.00	25.80	54	-28.20	A	1.0
7237.11	42.86	39.81	4.79	35.65	9.50	0.00	42.31	74	-31.69	P	1.0
7237.11	33.98	39.81	4.79	35.65	9.50	0.00	33.43	54	-20.57	A	1.0
9648.07	43.28	38.54	5.90	36.44	9.50	0.00	41.78	74	-32.22	P	1.0
9648.07	33.66	38.54	5.90	36.44	9.50	0.00	32.16	54	-21.84	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 3).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH1 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4823.95	43.25	34.44	2.82	35.16	9.50	0.00	35.85	74	-38.15	P	1.0
4823.95	31.85	34.44	2.82	35.16	9.50	0.00	24.45	54	-29.55	A	1.0
7236.99	44.26	39.81	4.79	35.65	9.50	0.00	43.71	74	-30.29	P	1.0
7236.99	32.94	39.81	4.79	35.65	9.50	0.00	32.39	54	-21.61	A	1.0
9648.00	43.65	38.54	5.90	36.44	9.50	0.00	42.15	74	-31.85	P	1.0
9648.00	31.88	38.54	5.90	36.44	9.50	0.00	30.38	54	-23.62	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 3).

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH6 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4873.83	42.56	34.77	2.73	35.20	9.50	0.00	35.36	74	-38.64	P	1.0
4873.83	32.84	34.77	2.73	35.20	9.50	0.00	25.64	54	-28.36	A	1.0
7311.03	42.87	39.78	4.82	35.64	9.50	0.00	42.33	74	-31.67	P	1.0
7311.03	33.08	39.78	4.82	35.64	9.50	0.00	32.54	54	-21.46	A	1.0
9748.24	43.56	38.53	5.90	36.60	9.50	0.00	41.89	74	-32.11	P	1.0
9748.24	31.89	38.53	5.90	36.60	9.50	0.00	30.22	54	-23.78	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 3).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH6 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4874.03	43.25	34.77	2.73	35.20	9.50	0.00	36.05	74	-37.95	P	1.0
4874.03	32.15	34.77	2.73	35.20	9.50	0.00	24.95	54	-29.05	A	1.0
7312.04	42.28	39.78	4.82	35.64	9.50	0.00	41.74	74	-32.26	P	1.0
7312.04	32.71	39.78	4.82	35.64	9.50	0.00	32.17	54	-21.83	A	1.0
9748.21	43.56	38.53	5.90	36.60	9.50	0.00	41.89	74	-32.11	P	1.0
9748.21	33.21	38.53	5.90	36.60	9.50	0.00	31.54	54	-22.46	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 3).



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The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH11 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4924.11	42.85	35.10	2.64	35.24	9.50	0.00	35.85	74	-38.15	P	1.0
4924.11	33.05	35.10	2.64	35.24	9.50	0.00	26.05	54	-27.95	A	1.0
7387.99	42.57	39.74	4.86	35.62	9.50	0.00	42.05	74	-31.95	P	1.0
7387.99	32.85	39.74	4.86	35.62	9.50	0.00	32.33	54	-21.67	A	1.0
9848.02	42.87	38.52	5.90	36.76	9.50	0.00	41.03	74	-32.97	P	1.0
9848.02	33.25	38.52	5.90	36.76	9.50	0.00	31.41	54	-22.59	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 3).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH11 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4924.06	43.87	35.10	2.64	35.24	9.50	0.00	36.87	74	-37.13	P	1.0
4924.06	32.57	35.10	2.64	35.24	9.50	0.00	25.57	54	-28.43	A	1.0
7386.01	42.89	39.75	4.85	35.62	9.50	0.00	42.37	74	-31.63	P	1.0
7386.01	33.67	39.75	4.85	35.62	9.50	0.00	33.15	54	-20.85	A	1.0
9847.97	43.87	38.52	5.90	36.76	9.50	0.00	42.03	74	-31.97	P	1.0
9847.97	33.65	38.52	5.90	36.76	9.50	0.00	31.81	54	-22.19	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11b mode at 11Mbps (Antenna 3).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/01
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH1 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4823.97	44.13	34.44	2.82	35.16	9.50	0.00	36.73	74	-37.27	P	1.0
4823.97	32.92	34.44	2.82	35.16	9.50	0.00	25.52	54	-28.48	A	1.0
7235.88	44.85	39.81	4.79	35.65	9.50	0.00	44.30	74	-29.70	P	1.0
7235.88	34.09	39.81	4.79	35.65	9.50	0.00	33.54	54	-20.46	A	1.0
9647.97	46.11	38.54	5.90	36.44	9.50	0.00	44.61	74	-29.39	P	1.0
9647.97	34.06	38.54	5.90	36.44	9.50	0.00	32.56	54	-21.44	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 3).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/01
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH1 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4824.02	44.29	34.44	2.82	35.16	9.50	0.00	36.89	74	-37.11	P	1.0
4824.02	34.36	34.44	2.82	35.16	9.50	0.00	26.96	54	-27.04	A	1.0
7236.98	43.77	39.81	4.79	35.65	9.50	0.00	43.22	74	-30.78	P	1.0
7236.98	33.89	39.81	4.79	35.65	9.50	0.00	33.34	54	-20.66	A	1.0
9647.97	43.68	38.54	5.90	36.44	9.50	0.00	42.18	74	-31.82	P	1.0
9647.97	34.12	38.54	5.90	36.44	9.50	0.00	32.62	54	-21.38	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 3).



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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/01
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH6 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4874.11	44.29	34.77	2.73	35.20	9.50	0.00	37.09	74	-36.91	P	1.0
4874.11	34.56	34.77	2.73	35.20	9.50	0.00	27.36	54	-26.64	A	1.0
7311.02	44.28	39.78	4.82	35.64	9.50	0.00	43.74	74	-30.26	P	1.0
7311.02	32.56	39.78	4.82	35.64	9.50	0.00	32.02	54	-21.98	A	1.0
9748.03	43.80	38.53	5.90	36.60	9.50	0.00	42.13	74	-31.87	P	1.0
9748.03	34.15	38.53	5.90	36.60	9.50	0.00	32.48	54	-21.52	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 3).



Ecom Sertech Corp.

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FCC ID : PY3WG302

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/01
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH6 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4873.98	44.59	34.77	2.73	35.20	9.50	0.00	37.39	74	-36.61	P	1.0
4873.98	34.67	34.77	2.73	35.20	9.50	0.00	27.47	54	-26.53	A	1.0
7310.99	43.25	39.78	4.82	35.64	9.50	0.00	42.71	74	-31.29	P	1.0
7310.99	33.87	39.78	4.82	35.64	9.50	0.00	33.33	54	-20.67	A	1.0
9748.00	42.69	38.53	5.90	36.60	9.50	0.00	41.02	74	-32.98	P	1.0
9748.00	33.17	38.53	5.90	36.60	9.50	0.00	31.50	54	-22.50	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 3).



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Report No. : EC04-03-008FRF

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/01
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH11 RX				Measurement Distance at 1m Horizontal polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4923.97	43.69	35.10	2.64	35.24	9.50	0.00	36.69	74	-37.31	P	1.0
4923.97	33.41	35.10	2.64	35.24	9.50	0.00	26.41	54	-27.59	A	1.0
7386.10	44.23	39.75	4.85	35.62	9.50	0.00	43.71	74	-30.29	P	1.0
7386.10	34.74	39.75	4.85	35.62	9.50	0.00	34.22	54	-19.78	A	1.0
9847.97	42.89	38.52	5.90	36.76	9.50	0.00	41.05	74	-32.95	P	1.0
9847.97	33.77	38.52	5.90	36.76	9.50	0.00	31.93	54	-22.07	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 3).

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Test Requirement: 15.109, 15.209

The frequency spectrum above 1 GHz was investigated. All emissions not reported below are more than 40 dB below the prescribed limits. Readings are both peak and average values.

Company	NETGEAR Inc.	Test Date :	2003/12/01
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH11 RX				Measurement Distance at 1m Vertical polarity							
Freq. (MHz)	Reading (dBμV)	AF (dBμV)	Cable (dB)	Pre-amp (dB)	Dist (dB)	Filter (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Mark (P/Q/A)	Height (Meter)
4923.97	44.29	35.10	2.64	35.24	9.50	0.00	37.29	74	-36.71	P	1.0
4923.97	34.25	35.10	2.64	35.24	9.50	0.00	27.25	54	-26.75	A	1.0
7385.96	42.98	39.75	4.85	35.62	9.50	0.00	42.46	74	-31.54	P	1.0
7385.96	33.10	39.75	4.85	35.62	9.50	0.00	32.58	54	-21.42	A	1.0
9847.98	44.88	38.52	5.90	36.76	9.50	0.00	43.04	74	-30.96	P	1.0
9847.98	34.26	38.52	5.90	36.76	9.50	0.00	32.42	54	-21.58	A	1.0

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
4. The result basic equation calculation as follow : Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
5. The test limit is 3M limit.
6. The other emission levels were very low against the limit.
7. For 802.11g mode at 6Mbps (Antenna 3).

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Test Requirement: 15.205

Company		NETGEAR Inc.						Test Date :		2003/12/03	
Product Name		802.11g ProSafe Wireless Access Point						Test By:		Y. H. Liu	
Model Name		WG302						TEMP&Humidity :		25.6℃ , 41%	
CH1 TX				Measurement Distance at 1m Horizontal polarity							
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Heigh
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2016.03	49.77	32.18	6.68	35.30	9.50	0.00	43.83	65.27	-21.44	P	1.00
2016.03	44.36	32.18	6.68	35.30	9.50	0.00	38.42	54.68	-16.26	A	1.00
* 2386.14	33.92	31.81	3.87	0.00	9.50	0.00	60.10	74	-13.90	P	1.00
* 2386.14	23.71	31.81	3.87	0.00	9.50	0.00	49.89	54	-4.11	A	1.00
2396.95	33.68	31.80	3.78	0.00	9.50	0.00	59.77	65.27	-5.50	P	1.00
2396.95	23.87	31.80	3.78	0.00	9.50	0.00	49.96	54.68	-4.72	A	1.00
2410.59	59.30	31.79	3.68	0.00	9.50	0.00	85.27	Fundamental Frequency		P	1.00
2410.59	48.71	31.79	3.68	0.00	9.50	0.00	74.68			A	1.00
* 2687.98	58.11	31.70	3.08	35.53	9.50	0.00	47.86	74	-26.14	P	1.00
* 2687.98	56.21	31.70	3.08	35.53	9.50	0.00	45.96	54	-8.04	A	1.00
* 3353.94	62.33	31.49	3.34	35.55	9.50	0.00	52.11	74	-21.89	P	1.00
* 3353.94	52.86	31.49	3.34	35.55	9.50	0.00	42.64	54	-11.36	A	1.00
* 4823.98	49.08	34.44	2.82	35.16	9.50	2.00	43.68	74	-30.32	P	1.00
* 4823.98	43.34	34.44	2.82	35.16	9.50	2.00	37.94	54	-16.06	A	1.00
7234.94	53.85	39.81	4.79	35.65	9.50	2.00	55.30	65.27	-9.97	P	1.00
7234.94	48.03	39.81	4.79	35.65	9.50	2.00	49.48	54.68	-5.20	A	1.00
9647.96	57.12	38.54	5.90	36.44	9.50	0.61	56.23	65.27	-9.04	P	1.00
9647.96	48.36	38.54	5.90	36.44	9.50	0.61	47.47	54.68	-7.21	A	1.00
* 12052.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14463.54	-----	-----	-----	-----	9.50	0.66	-----	-----	-----	-----	1.00
16874.13	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19284.72	-----	-----	-----	-----	9.50	2.48	-----	-----	-----	-----	1.00
21695.31	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24105.90	-----	-----	-----	-----	9.50	2.15	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 1).

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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company		NETGEAR Inc.					Test Date :		2003/12/03		
Product Name		802.11g ProSafe Wireless Access Point					Test By:		Y. H. Liu		
Model Name		WG302					TEMP&Humidity :		25.6℃ , 41%		
CH1 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2016.02	49.82	32.18	6.68	35.30	9.50	0.00	43.88	79.49	-35.61	P	1.00
2016.02	44.27	32.18	6.68	35.30	9.50	0.00	38.33	72.71	-34.38	A	1.00
* 2386.14	33.89	31.81	3.87	0.00	9.50	0.00	60.07	74	-13.93	P	1.00
* 2386.14	24.36	31.81	3.87	0.00	9.50	0.00	50.54	54	-3.46	A	1.00
2397.00	46.59	31.80	3.78	0.00	9.50	0.00	72.68	79.49	-6.81	P	1.00
2397.00	41.94	31.80	3.78	0.00	9.50	0.00	68.03	72.71	-4.68	A	1.00
2410.59	73.52	31.79	3.68	0.00	9.50	0.00	99.49	Fundamental Frequency		P	1.00
2410.59	66.74	31.79	3.68	0.00	9.50	0.00	92.71			A	1.00
* 2688.05	45.87	31.70	3.08	35.53	9.50	0.00	35.62	74	-38.38	P	1.00
* 2688.05	38.94	31.70	3.08	35.53	9.50	0.00	28.69	54	-25.31	A	1.00
* 3353.24	49.21	31.49	3.34	35.55	9.50	0.00	38.99	74	-35.01	P	1.00
* 3353.24	37.45	31.49	3.34	35.55	9.50	0.00	27.23	54	-26.77	A	1.00
* 4823.96	44.36	34.44	2.82	35.16	9.50	2.00	38.96	74	-35.04	P	1.00
* 4823.96	33.70	34.44	2.82	35.16	9.50	2.00	28.30	54	-25.70	A	1.00
7234.39	49.87	39.81	4.79	35.65	9.50	2.00	51.32	79.49	-28.17	P	1.00
7234.39	40.21	39.81	4.79	35.65	9.50	2.00	41.66	72.71	-31.05	A	1.00
9647.94	50.36	38.54	5.90	36.44	9.50	0.61	49.47	79.49	-30.02	P	1.00
9647.94	41.25	38.54	5.90	36.44	9.50	0.61	40.36	72.71	-32.35	A	1.00
* 12052.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14463.54	-----	-----	-----	-----	9.50	0.66	-----	-----	-----	-----	1.00
16874.13	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19284.72	-----	-----	-----	-----	9.50	2.48	-----	-----	-----	-----	1.00
21695.31	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24105.90	-----	-----	-----	-----	9.50	2.15	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 1).

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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 TX				Measurement Distance at 1m					Horizontal polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.95	53.41	32.18	6.68	35.30	9.50	0.00	47.47	64.09	-16.62	P	1.00
2015.95	50.01	32.18	6.68	35.30	9.50	0.00	44.07	54.38	-10.31	A	1.00
2185.94	53.24	32.01	5.39	35.30	9.50	0.00	45.84	64.09	-18.25	P	1.00
2185.94	50.28	32.01	5.39	35.30	9.50	0.00	42.88	54.38	-11.50	A	1.00
2435.49	58.34	31.76	3.49	0.00	9.50	0.00	84.09	Fundamental Frequency		P	1.00
2435.49	48.63	31.76	3.49	0.00	9.50	0.00	74.38			A	1.00
* 2687.98	50.32	31.70	3.08	35.53	9.50	0.00	40.07	74	-33.93	P	1.00
* 2687.98	43.87	31.70	3.08	35.53	9.50	0.00	33.62	54	-20.38	A	1.00
3379.10	51.36	31.47	3.35	35.52	9.50	0.00	41.16	64.09	-22.93	P	1.00
3379.10	42.85	31.47	3.35	35.52	9.50	0.00	32.65	54.38	-21.73	A	1.00
* 4873.93	45.94	34.77	2.73	35.20	9.50	1.80	40.54	74	-33.46	P	1.00
* 4873.93	39.19	34.77	2.73	35.20	9.50	1.80	33.79	54	-20.21	A	1.00
* 7312.10	50.30	39.78	4.82	35.64	9.50	2.00	51.76	74	-22.24	P	1.00
* 7312.10	42.35	39.78	4.82	35.64	9.50	2.00	43.81	54	-10.19	A	1.00
9748.00	48.63	38.53	5.90	36.60	9.50	0.55	47.51	64.09	-16.58	P	1.00
9748.00	38.97	38.53	5.90	36.60	9.50	0.55	37.85	54.38	-16.53	A	1.00
* 12177.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14612.94	-----	-----	-----	-----	9.50	0.61	-----	-----	-----	-----	1.00
17048.43	-----	-----	-----	-----	9.50	0.74	-----	-----	-----	-----	1.00
* 19483.92	-----	-----	-----	-----	9.50	2.68	-----	-----	-----	-----	1.00
21919.41	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24354.90	-----	-----	-----	-----	9.50	1.80	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark “---” means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark “*” means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 1).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.95	52.81	32.18	6.68	35.30	9.50	0.00	46.87	76.07	-29.20	P	1.00
2015.95	49.34	32.18	6.68	35.30	9.50	0.00	43.40	70.33	-26.93	A	1.00
2186.01	56.21	32.01	5.39	35.30	9.50	0.00	48.81	76.07	-27.26	P	1.00
2186.01	52.86	32.01	5.39	35.30	9.50	0.00	45.46	70.33	-24.87	A	1.00
2436.10	70.32	31.76	3.49	0.00	9.50	0.00	96.07	Fundamental Frequency		P	1.00
2436.10	64.58	31.76	3.49	0.00	9.50	0.00	90.33			A	1.00
* 2688.06	48.65	31.70	3.08	35.53	9.50	0.00	38.40	74	-35.60	P	1.00
* 2688.06	38.24	31.70	3.08	35.53	9.50	0.00	27.99	54	-26.01	A	1.00
3379.35	48.68	31.47	3.35	35.52	9.50	0.00	38.48	76.07	-37.59	P	1.00
3379.35	37.15	31.47	3.35	35.52	9.50	0.00	26.95	70.33	-43.38	A	1.00
* 4873.95	48.73	34.77	2.73	35.20	9.50	1.80	43.33	74	-30.67	P	1.00
* 4873.95	37.31	34.77	2.73	35.20	9.50	1.80	31.91	54	-22.09	A	1.00
* 7312.00	45.24	39.78	4.82	35.64	9.50	2.00	46.70	74	-27.30	P	1.00
* 7312.00	33.71	39.78	4.82	35.64	9.50	2.00	35.17	54	-18.83	A	1.00
9747.99	47.58	38.53	5.90	36.60	9.50	0.55	46.46	76.07	-29.61	P	1.00
9747.99	35.63	38.53	5.90	36.60	9.50	0.55	34.51	70.33	-35.82	A	1.00
* 12180.50	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14616.60	-----	-----	-----	-----	9.50	0.61	-----	-----	-----	-----	1.00
17052.70	-----	-----	-----	-----	9.50	0.74	-----	-----	-----	-----	1.00
* 19488.80	-----	-----	-----	-----	9.50	2.69	-----	-----	-----	-----	1.00
21924.90	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24361.00	-----	-----	-----	-----	9.50	1.79	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11b mode at 11Mbps (Antenna 1).



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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company		NETGEAR Inc.						Test Date :		2003/12/03	
Product Name		802.11g ProSafe Wireless Access Point						Test By:		Y. H. Liu	
Model Name		WG302						TEMP&Humidity :		25.6℃ , 41%	
CH11 TX				Measurement Distance at 1m Horizontal polarity							
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2016.50	48.25	32.18	6.67	35.30	9.50	0.00	42.31	61.84	-19.53	P	1.00
2016.50	41.68	32.18	6.67	35.30	9.50	0.00	35.74	51.29	-15.55	A	1.00
* 2235.94	50.65	31.96	5.01	35.30	9.50	0.00	42.82	74	-31.18	P	1.00
* 2235.94	46.18	31.96	5.01	35.30	9.50	0.00	38.35	54	-15.65	A	1.00
2462.95	56.32	31.74	3.28	0.00	9.50	0.00	81.84	Fundamental Frequency		P	1.00
2462.95	45.77	31.74	3.28	0.00	9.50	0.00	71.29			A	1.00
2477.02	31.59	31.72	3.17	0.00	9.50	0.00	56.99	61.84	-4.85	P	1.00
2477.02	21.24	31.72	3.17	0.00	9.50	0.00	46.64	51.29	-4.65	A	1.00
* 2487.86	30.71	31.71	3.09	0.00	9.50	0.00	56.01	74	-17.99	P	1.00
* 2487.86	19.50	31.71	3.09	0.00	9.50	0.00	44.80	54	-9.20	A	1.00
* 2687.98	47.22	31.70	3.08	35.53	9.50	0.00	36.97	74	-37.03	P	1.00
* 2687.98	35.20	31.70	3.08	35.53	9.50	0.00	24.95	54	-29.05	A	1.00
3407.05	42.28	31.46	3.36	35.49	9.50	0.00	32.11	61.84	-29.73	P	1.00
3407.05	34.05	31.46	3.36	35.49	9.50	0.00	23.88	51.29	-27.41	A	1.00
* 4923.98	47.02	35.10	2.64	35.24	9.50	1.60	41.62	74	-32.38	P	1.00
* 4923.98	32.78	35.10	2.64	35.24	9.50	1.60	27.38	54	-26.62	A	1.00
* 7389.55	41.79	39.74	4.86	35.62	9.50	2.00	43.27	74	-30.73	P	1.00
* 7389.55	32.87	39.74	4.86	35.62	9.50	2.00	34.35	54	-19.65	A	1.00
9847.95	47.09	38.52	5.90	36.76	9.50	0.49	45.74	61.84	-16.10	P	1.00
9847.95	35.61	38.52	5.90	36.76	9.50	0.49	34.26	51.29	-17.03	A	1.00
* 12314.75	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14777.70	-----	-----	-----	-----	9.50	0.48	-----	-----	-----	-----	1.00
17240.65	-----	-----	-----	-----	9.50	0.89	-----	-----	-----	-----	1.00
* 19703.60	-----	-----	-----	-----	9.50	4.02	-----	-----	-----	-----	1.00
* 22166.55	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24629.50	-----	-----	-----	-----	9.50	1.57	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 1).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2016.03	50.77	32.18	6.68	35.30	9.50	0.00	44.83	77.82	-32.99	P	1.00
2016.03	45.73	32.18	6.68	35.30	9.50	0.00	39.79	71.36	-31.57	A	1.00
* 2235.98	52.14	31.96	5.01	35.30	9.50	0.00	44.31	74	-29.69	P	1.00
* 2235.98	47.72	31.96	5.01	35.30	9.50	0.00	39.89	54	-14.11	A	1.00
2462.89	72.30	31.74	3.28	0.00	9.50	0.00	97.82	Fundamental Frequency		P	1.00
2462.89	65.84	31.74	3.28	0.00	9.50	0.00	91.36			A	1.00
2477.17	42.37	31.72	3.17	0.00	9.50	0.00	67.77	77.82	-10.05	P	1.00
2477.17	37.14	31.72	3.17	0.00	9.50	0.00	62.54	71.36	-8.82	A	1.00
* 2487.86	30.80	31.71	3.09	0.00	9.50	0.00	56.10	74	-17.90	P	1.00
* 2487.86	19.50	31.71	3.09	0.00	9.50	0.00	44.80	54	-9.20	A	1.00
* 2688.01	48.76	31.70	3.08	35.53	9.50	0.00	38.51	74	-35.49	P	1.00
* 2688.01	37.69	31.70	3.08	35.53	9.50	0.00	27.44	54	-26.56	A	1.00
3403.02	48.61	31.46	3.36	35.50	9.50	0.00	38.43	77.82	-39.39	P	1.00
3403.02	36.97	31.46	3.36	35.50	9.50	0.00	26.79	71.36	-44.57	A	1.00
* 4924.01	48.80	35.10	2.64	35.24	9.50	1.60	43.40	74	-30.60	P	1.00
* 4924.01	34.47	35.10	2.64	35.24	9.50	1.60	29.07	54	-24.93	A	1.00
* 7389.80	45.87	39.74	4.86	35.62	9.50	2.00	47.35	74	-26.65	P	1.00
* 7389.80	39.51	39.74	4.86	35.62	9.50	2.00	40.99	54	-13.01	A	1.00
9847.95	48.96	38.52	5.90	36.76	9.50	0.49	47.61	77.82	-30.21	P	1.00
9847.95	37.04	38.52	5.90	36.76	9.50	0.49	35.69	71.36	-35.67	A	1.00
* 12314.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14777.34	-----	-----	-----	-----	9.50	0.48	-----	-----	-----	-----	1.00
17240.23	-----	-----	-----	-----	9.50	0.89	-----	-----	-----	-----	1.00
* 19703.12	-----	-----	-----	-----	9.50	4.02	-----	-----	-----	-----	1.00
* 22166.01	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24628.90	-----	-----	-----	-----	9.50	1.57	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 1).



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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH1 TX				Measurement Distance at 1m					Horizontal polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
* 2389.97	42.30	31.81	3.84	0.00	9.50	0.00	68.45	74	-5.55	P	1.00
* 2389.97	23.00	31.81	3.84	0.00	9.50	0.00	49.15	54	-4.85	A	1.00
2410.89	58.64	31.79	3.68	0.00	9.50	0.00	84.61	Fundamental Frequency		P	1.00
2410.89	49.15	31.79	3.68	0.00	9.50	0.00	75.12			A	1.00
* 3353.62	45.36	31.49	3.34	35.55	9.50	0.00	35.14	74	-38.86	P	1.00
* 3353.62	35.44	31.49	3.34	35.55	9.50	0.00	25.22	54	-28.78	A	1.00
* 3877.19	46.79	32.31	3.32	35.02	9.50	2.15	40.05	74	-33.95	P	1.00
* 3877.19	37.80	32.31	3.32	35.02	9.50	2.15	31.06	54	-22.94	A	1.00
* 4821.79	36.99	34.42	2.82	35.16	9.50	2.01	31.59	74	-42.41	P	1.00
* 4821.79	31.24	34.42	2.82	35.16	9.50	2.01	25.84	54	-28.16	A	1.00
7235.79	44.79	39.81	4.79	35.65	9.50	2.00	46.24	64.61	-18.37	P	1.00
7235.79	32.80	39.81	4.79	35.65	9.50	2.00	34.25	55.12	-20.87	A	1.00
9643.29	49.48	38.54	5.90	36.43	9.50	0.61	48.60	64.61	-16.01	P	1.00
9643.29	37.26	38.54	5.90	36.43	9.50	0.61	36.38	55.12	-18.74	A	1.00
* 12054.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14465.34	-----	-----	-----	-----	9.50	0.66	-----	-----	-----	-----	1.00
16876.23	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19287.12	-----	-----	-----	-----	9.50	2.49	-----	-----	-----	-----	1.00
21698.01	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24108.90	-----	-----	-----	-----	9.50	2.15	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 1).



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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH1 TX				Measurement Distance at 1m				Vertical polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
* 2389.97	44.50	31.81	3.84	0.00	9.50	0.00	70.65	74	-3.35	P	1.00
* 2389.97	25.10	31.81	3.84	0.00	9.50	0.00	51.25	54	-2.75	A	1.00
2411.79	73.21	31.79	3.67	0.00	9.50	0.00	99.17	Fundamental Frequency		P	1.00
2411.79	67.47	31.79	3.67	0.00	9.50	0.00	93.43			A	1.00
* 2687.99	52.74	31.70	3.08	35.53	9.50	0.00	42.49	74	-31.51	P	1.00
* 2687.99	41.13	31.70	3.08	35.53	9.50	0.00	30.88	54	-23.12	A	1.00
* 3262.11	49.88	31.54	3.30	35.64	9.50	0.00	39.59	74	-34.41	P	1.00
* 3262.11	34.39	31.54	3.30	35.64	9.50	0.00	24.10	54	-29.90	A	1.00
* 3877.79	51.14	32.31	3.32	35.02	9.50	2.15	44.40	74	-29.60	P	1.00
* 3877.79	45.12	32.31	3.32	35.02	9.50	2.15	38.38	54	-15.62	A	1.00
* 4821.58	54.94	34.42	2.82	35.16	9.50	2.01	49.54	74	-24.46	P	1.00
* 4821.58	44.32	34.42	2.82	35.16	9.50	2.01	38.92	54	-15.08	A	1.00
7237.20	59.94	39.81	4.79	35.65	9.50	2.00	61.39	79.17	-17.78	P	1.00
7237.20	47.77	39.81	4.79	35.65	9.50	2.00	49.22	73.43	-24.21	A	1.00
9644.19	56.12	38.54	5.90	36.43	9.50	0.61	55.24	79.17	-23.93	P	1.00
9644.19	41.72	38.54	5.90	36.43	9.50	0.61	40.84	73.43	-32.59	A	1.00
* 12058.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
* 14470.74	-----	-----	-----	-----	9.50	0.66	-----	-----	-----	-----	1.00
16882.53	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19294.32	-----	-----	-----	-----	9.50	2.49	-----	-----	-----	-----	1.00
21706.11	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24117.90	-----	-----	-----	-----	9.50	2.13	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 1).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 TX				Measurement Distance at 1m Horizontal polarity							
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2436.69	60.31	31.76	3.48	0.00	9.50	0.00	86.05	Fundamental Frequency		P	1.00
2436.69	51.34	31.76	3.48	0.00	9.50	0.00	77.08			A	1.00
* 2688.00	53.11	31.70	3.08	35.53	9.50	0.00	42.86	74	-31.14	P	1.00
* 2688.00	41.15	31.70	3.08	35.53	9.50	0.00	30.90	54	-23.10	A	1.00
3374.78	55.32	31.48	3.35	35.53	9.50	0.00	45.12	66.05	-20.93	P	1.00
3374.78	41.77	31.48	3.35	35.53	9.50	0.00	31.57	57.08	-25.51	A	1.00
* 4872.39	45.83	34.76	2.73	35.20	9.50	1.81	40.43	74	-33.57	P	1.00
* 4872.39	34.44	34.76	2.73	35.20	9.50	1.81	29.04	54	-24.96	A	1.00
* 7315.50	35.91	39.77	4.83	35.64	9.50	2.00	37.37	74	-36.63	P	1.00
* 7315.50	33.22	39.77	4.83	35.64	9.50	2.00	34.68	54	-19.32	A	1.00
9747.19	46.89	38.53	5.90	36.60	9.50	0.55	45.77	66.05	-20.28	P	1.00
9747.19	32.81	38.53	5.90	36.60	9.50	0.55	31.69	57.08	-25.39	A	1.00
* 12183.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14620.14	-----	-----	-----	-----	9.50	0.60	-----	-----	-----	-----	1.00
17056.83	-----	-----	-----	-----	9.50	0.75	-----	-----	-----	-----	1.00
* 19493.52	-----	-----	-----	-----	9.50	2.69	-----	-----	-----	-----	1.00
21930.21	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24366.90	-----	-----	-----	-----	9.50	1.79	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 1).

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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH6 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2435.09	72.38	31.76	3.49	0.00	9.50	0.00	98.14	Fundamental Frequency		P	1.00
2435.09	68.24	31.76	3.49	0.00	9.50	0.00	94.00			A	1.00
* 2688.03	54.51	31.70	3.08	35.53	9.50	0.00	44.26	74	-29.74	P	1.00
* 2688.03	43.87	31.70	3.08	35.53	9.50	0.00	33.62	54	-20.38	A	1.00
3380.00	51.05	31.47	3.35	35.52	9.50	0.00	40.85	78.14	-37.29	P	1.00
3380.00	43.28	31.47	3.35	35.52	9.50	0.00	33.08	74.00	-40.92	A	1.00
* 4872.22	45.09	34.76	2.73	35.20	9.50	1.81	39.69	74	-34.31	P	1.00
* 4872.22	32.81	34.76	2.73	35.20	9.50	1.81	27.41	54	-26.59	A	1.00
* 7304.18	52.47	39.78	4.82	35.64	9.50	2.00	53.93	74	-20.07	P	1.00
* 7304.18	33.06	39.78	4.82	35.64	9.50	2.00	34.52	54	-19.48	A	1.00
9747.80	43.05	38.53	5.90	36.60	9.50	0.55	41.93	78.14	-36.21	P	1.00
9747.80	32.98	38.53	5.90	36.60	9.50	0.55	31.86	74.00	-42.14	A	1.00
* 12175.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14610.54	-----	-----	-----	-----	9.50	0.61	-----	-----	-----	-----	1.00
17045.63	-----	-----	-----	-----	9.50	0.74	-----	-----	-----	-----	1.00
* 19480.72	-----	-----	-----	-----	9.50	2.68	-----	-----	-----	-----	1.00
21915.81	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24350.90	-----	-----	-----	-----	9.50	1.81	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 1).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 TX				Measurement Distance at 1m				Horizontal polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2460.94	61.23	31.74	3.30	0.00	9.50	0.00	86.77	Fundamental Frequency		P	1.00
2460.94	52.41	31.74	3.30	0.00	9.50	0.00	77.95			A	1.00
* 2483.65	38.10	31.72	3.12	0.00	9.50	0.00	63.44	74	-10.56	P	1.00
* 2483.65	18.70	31.72	3.12	0.00	9.50	0.00	44.04	54	-9.96	A	1.00
* 2687.96	50.38	31.70	3.08	35.53	9.50	0.00	40.13	74	-33.87	P	1.00
* 2687.96	39.03	31.70	3.08	35.53	9.50	0.00	28.78	54	-25.22	A	1.00
3405.29	50.21	31.46	3.36	35.49	9.50	0.00	40.03	66.77	-26.74	P	1.00
3405.29	32.00	31.46	3.36	35.49	9.50	0.00	21.82	57.95	-36.13	A	1.00
* 4924.06	46.13	35.10	2.64	35.24	9.50	1.60	40.73	74	-33.27	P	1.00
* 4924.06	34.29	35.10	2.64	35.24	9.50	1.60	28.89	54	-25.11	A	1.00
* 7385.49	47.93	39.75	4.85	35.62	9.50	2.00	49.41	74	-24.59	P	1.00
* 7385.49	33.58	39.75	4.85	35.62	9.50	2.00	35.06	54	-18.94	A	1.00
9843.79	46.28	38.52	5.90	36.75	9.50	0.49	44.94	66.77	-21.83	P	1.00
9843.79	32.74	38.52	5.90	36.75	9.50	0.49	31.40	57.95	-26.55	A	1.00
* 12304.70	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14765.64	-----	-----	-----	-----	9.50	0.49	-----	-----	-----	-----	1.00
17226.58	-----	-----	-----	-----	9.50	0.88	-----	-----	-----	-----	1.00
* 19687.52	-----	-----	-----	-----	9.50	3.92	-----	-----	-----	-----	1.00
* 22148.46	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24609.40	-----	-----	-----	-----	9.50	1.58	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 1).

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FCC ID : PY3WG302

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/03
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	25.6°C , 41%

CH11 TX				Measurement Distance at 1m				Vertical polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2463.25	73.25	31.74	3.28	0.00	9.50	0.00	98.77	Fundamental Frequency		P	1.00
2463.25	69.21	31.74	3.28	0.00	9.50	0.00	94.73			A	1.00
* 2483.65	39.40	31.72	3.12	0.00	9.50	0.00	64.74	74	-9.26	P	1.00
* 2483.65	20.20	31.72	3.12	0.00	9.50	0.00	45.54	54	-8.46	A	1.00
* 2688.00	54.37	31.70	3.08	35.53	9.50	0.00	44.12	74	-29.88	P	1.00
* 2688.00	43.09	31.70	3.08	35.53	9.50	0.00	32.84	54	-21.16	A	1.00
3405.77	51.55	31.46	3.36	35.49	9.50	0.00	41.37	78.77	-37.40	P	1.00
3405.77	42.03	31.46	3.36	35.49	9.50	0.00	31.85	74.73	-42.88	A	1.00
* 4928.70	51.67	35.13	2.63	35.24	9.50	1.59	46.27	74	-27.73	P	1.00
* 4928.70	39.31	35.13	2.63	35.24	9.50	1.59	33.91	54	-20.09	A	1.00
* 7383.99	49.81	39.75	4.85	35.62	9.50	2.00	51.29	74	-22.71	P	1.00
* 7383.99	37.91	39.75	4.85	35.62	9.50	2.00	39.39	54	-14.61	A	1.00
9843.49	45.80	38.52	5.90	36.75	9.50	0.49	44.46	78.77	-34.31	P	1.00
9843.49	32.14	38.52	5.90	36.75	9.50	0.49	30.80	74.73	-43.93	A	1.00
* 12316.25	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14779.50	-----	-----	-----	-----	9.50	0.48	-----	-----	-----	-----	1.00
17242.75	-----	-----	-----	-----	9.50	0.89	-----	-----	-----	-----	1.00
* 19706.00	-----	-----	-----	-----	9.50	4.04	-----	-----	-----	-----	1.00
* 22169.25	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24632.50	-----	-----	-----	-----	9.50	1.57	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 1).



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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH1 TX				Measurement Distance at 1m Horizontal polarity							
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2016.18	44.93	32.18	6.68	35.30	9.50	0.00	38.99	58.10	-19.11	P	1.00
2016.18	35.69	32.18	6.68	35.30	9.50	0.00	29.75	48.81	-19.06	A	1.00
* 2386.14	24.86	31.81	3.87	0.00	9.50	0.00	51.04	74	-22.96	P	1.00
* 2386.14	12.49	31.81	3.87	0.00	9.50	0.00	38.67	54	-15.33	A	1.00
2397.19	27.12	31.80	3.78	0.00	9.50	0.00	53.20	58.10	-4.90	P	1.00
2397.19	18.52	31.80	3.78	0.00	9.50	0.00	44.60	48.81	-4.21	A	1.00
2410.59	52.13	31.79	3.68	0.00	9.50	0.00	78.10	Fundamental Frequency		P	1.00
2410.59	42.84	31.79	3.68	0.00	9.50	0.00	68.81			A	1.00
* 2687.96	46.35	31.70	3.08	35.53	9.50	0.00	36.10	74	-37.90	P	1.00
* 2687.96	37.74	31.70	3.08	35.53	9.50	0.00	27.49	54	-26.51	A	1.00
* 3353.59	46.21	31.49	3.34	35.55	9.50	0.00	35.99	74	-38.01	P	1.00
* 3353.59	36.20	31.49	3.34	35.55	9.50	0.00	25.98	54	-28.02	A	1.00
* 4823.98	48.56	34.44	2.82	35.16	9.50	2.00	43.16	74	-30.84	P	1.00
* 4823.98	44.13	34.44	2.82	35.16	9.50	2.00	38.73	54	-15.27	A	1.00
7234.39	51.38	39.81	4.79	35.65	9.50	2.00	52.83	58.10	-5.27	P	1.00
7234.39	45.40	39.81	4.79	35.65	9.50	2.00	46.85	48.81	-11.25	A	1.00
9648.03	51.54	38.54	5.90	36.44	9.50	0.61	50.65	58.10	-7.45	P	1.00
9648.03	43.25	38.54	5.90	36.44	9.50	0.61	42.36	48.81	-6.45	A	1.00
* 12052.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14463.54	-----	-----	-----	-----	9.50	0.66	-----	-----	-----	-----	1.00
16874.13	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19284.72	-----	-----	-----	-----	9.50	2.48	-----	-----	-----	-----	1.00
21695.31	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24105.90	-----	-----	-----	-----	9.50	2.15	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11b mode at 11Mbps (Antenna 2).



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Test Requirement: 15.205

Company	NETGEAR Inc.						Test Date :	2003/12/10			
Product Name	802.11g ProSafe Wireless Access Point						Test By:	Y. H. Liu			
Model Name	WG302						TEMP&Humidity :	26.4℃ , 31%			
CH1 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.93	51.49	32.18	6.68	35.30	9.50	0.00	45.55	77.51	-31.96	P	1.00
2015.93	47.88	32.18	6.68	35.30	9.50	0.00	41.94	69.74	-27.80	A	1.00
* 2386.14	26.65	31.81	3.87	0.00	9.50	0.00	52.83	74	-21.17	P	1.00
* 2386.14	14.80	31.81	3.87	0.00	9.50	0.00	40.98	54	-13.02	A	1.00
2396.98	45.98	31.80	3.78	35.30	9.50	0.00	36.77	77.51	-40.74	P	1.00
2396.98	34.40	31.80	3.78	35.30	9.50	0.00	25.19	69.74	-44.55	A	1.00
2410.44	71.54	31.79	3.68	0.00	9.50	0.00	97.51	Fundamental Frequency		P	1.00
2410.44	63.77	31.79	3.68	0.00	9.50	0.00	89.74			A	1.00
* 2688.04	46.38	31.70	3.08	35.53	9.50	0.00	36.13	74	-37.87	P	1.00
* 2688.04	35.21	31.70	3.08	35.53	9.50	0.00	24.96	54	-29.04	A	1.00
* 3353.50	47.87	31.49	3.34	35.55	9.50	0.00	37.65	74	-36.35	P	1.00
* 3353.50	59.76	31.49	3.34	35.55	9.50	0.00	49.54	54	-4.46	A	1.00
* 4824.00	46.75	34.44	2.82	35.16	9.50	2.00	41.35	74	-32.65	P	1.00
* 4824.00	35.47	34.44	2.82	35.16	9.50	2.00	30.07	54	-23.93	A	1.00
7233.89	46.98	39.81	4.79	35.65	9.50	2.00	48.43	77.51	-29.08	P	1.00
7233.89	33.24	39.81	4.79	35.65	9.50	2.00	34.69	69.74	-35.05	A	1.00
9648.01	47.24	38.54	5.90	36.44	9.50	0.61	46.35	77.51	-31.16	P	1.00
9648.01	35.22	38.54	5.90	36.44	9.50	0.61	34.33	69.74	-35.41	A	1.00
* 12052.20	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14462.64	-----	-----	-----	-----	9.50	0.66	-----	-----	-----	-----	1.00
16873.08	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19283.52	-----	-----	-----	-----	9.50	2.48	-----	-----	-----	-----	1.00
21693.96	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24104.40	-----	-----	-----	-----	9.50	2.15	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark “---” means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark “*” means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 2).

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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH6 TX				Measurement Distance at 1m				Horizontal polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.98	44.96	32.18	6.68	35.30	9.50	0.00	39.02	68.34	-29.32	P	1.00
2015.98	35.50	32.18	6.68	35.30	9.50	0.00	29.56	64.72	-35.16	A	1.00
2185.82	46.51	32.01	5.39	35.30	9.50	0.00	39.11	68.34	-29.23	P	1.00
2185.82	36.43	32.01	5.39	35.30	9.50	0.00	29.03	64.72	-35.69	A	1.00
2438.00	52.36	31.76	3.47	0.00	9.50	0.00	78.09	Fundamental Frequency		P	1.00
2438.00	42.11	31.76	3.47	0.00	9.50	0.00	67.84			A	1.00
* 2687.98	50.03	31.70	3.08	35.53	9.50	0.00	39.78	74	-34.22	P	1.00
* 2687.98	46.04	31.70	3.08	35.53	9.50	0.00	35.79	54	-18.21	A	1.00
3378.30	47.50	31.47	3.35	35.52	9.50	0.00	37.30	68.34	-31.04	P	1.00
3378.30	36.72	31.47	3.35	35.52	9.50	0.00	26.52	64.72	-38.20	A	1.00
* 4873.96	47.65	34.77	2.73	35.20	9.50	1.80	42.25	74	-31.75	P	1.00
* 4873.96	42.32	34.77	2.73	35.20	9.50	1.80	36.92	54	-17.08	A	1.00
* 7313.65	49.71	39.77	4.83	35.64	9.50	2.00	51.17	74	-22.83	P	1.00
* 7313.65	39.45	39.77	4.83	35.64	9.50	2.00	40.91	54	-13.09	A	1.00
9748.08	49.87	38.53	5.90	36.60	9.50	0.55	48.75	68.34	-19.59	P	1.00
9748.08	39.85	38.53	5.90	36.60	9.50	0.55	38.73	64.72	-25.99	A	1.00
* 12190.00	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14628.00	-----	-----	-----	-----	9.50	0.60	-----	-----	-----	-----	1.00
17066.00	-----	-----	-----	-----	9.50	0.75	-----	-----	-----	-----	1.00
* 19504.00	-----	-----	-----	-----	9.50	2.73	-----	-----	-----	-----	1.00
21942.00	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24380.00	-----	-----	-----	-----	9.50	1.77	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark “---” means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark “*” means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 2).

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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH6 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2016.75	65.58	32.18	6.67	35.30	9.50	0.00	59.64	79.36	-19.72	P	1.00
2016.75	59.32	32.18	6.67	35.30	9.50	0.00	53.38	70.87	-17.49	A	1.00
2185.95	56.02	32.01	5.39	35.30	9.50	0.00	48.62	79.36	-30.74	P	1.00
2185.95	53.41	32.01	5.39	35.30	9.50	0.00	46.01	70.87	-24.86	A	1.00
2435.49	73.61	31.76	3.49	0.00	9.50	0.00	99.36	Fundamental Frequency		P	1.00
2435.49	65.12	31.76	3.49	0.00	9.50	0.00	90.87			A	1.00
* 2687.97	50.32	31.70	3.08	35.53	9.50	0.00	40.07	74	-33.93	P	1.00
* 2687.97	41.24	31.70	3.08	35.53	9.50	0.00	30.99	54	-23.01	A	1.00
3340.31	50.37	31.50	3.34	35.56	9.50	0.00	40.14	79.36	-39.22	P	1.00
3340.31	44.63	31.50	3.34	35.56	9.50	0.00	34.40	70.87	-36.47	A	1.00
* 4874.02	49.57	34.77	2.73	35.20	9.50	1.80	44.17	74	-29.83	P	1.00
* 4874.02	37.00	34.77	2.73	35.20	9.50	1.80	31.60	54	-22.40	A	1.00
* 7313.20	49.54	39.77	4.83	35.64	9.50	2.00	51.00	74	-23.00	P	1.00
* 7313.20	36.12	39.77	4.83	35.64	9.50	2.00	37.58	54	-16.42	A	1.00
9747.93	48.64	38.53	5.90	36.60	9.50	0.55	47.52	79.36	-31.84	P	1.00
9747.93	39.60	38.53	5.90	36.60	9.50	0.55	38.48	70.87	-32.39	A	1.00
* 12177.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14612.94	-----	-----	-----	-----	9.50	0.61	-----	-----	-----	-----	1.00
17048.43	-----	-----	-----	-----	9.50	0.74	-----	-----	-----	-----	1.00
* 19483.92	-----	-----	-----	-----	9.50	2.68	-----	-----	-----	-----	1.00
21919.41	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24354.90	-----	-----	-----	-----	9.50	1.80	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark “---” means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark “*” means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 2).

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FCC ID : PY3WG302

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH11 TX				Measurement Distance at 1m				Horizontal polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.92	46.91	32.18	6.68	35.30	9.50	0.00	40.97	59.28	-18.31	P	1.00
2015.92	37.52	32.18	6.68	35.30	9.50	0.00	31.58	48.41	-16.83	A	1.00
* 2235.96	47.66	31.96	5.01	35.30	9.50	0.00	39.83	74	-34.17	P	1.00
* 2235.96	39.50	31.96	5.01	35.30	9.50	0.00	31.67	54	-22.33	A	1.00
2460.99	53.74	31.74	3.30	0.00	9.50	0.00	79.28	Fundamental Frequency		P	1.00
2460.99	42.87	31.74	3.30	0.00	9.50	0.00	68.41			A	1.00
* 2487.86	24.16	31.71	3.09	0.00	9.50	0.00	49.46	74	-24.54	P	1.00
* 2487.86	11.96	31.71	3.09	0.00	9.50	0.00	37.26	54	-16.74	A	1.00
* 2687.94	48.65	31.70	3.08	35.53	9.50	0.00	38.40	74	-35.60	P	1.00
* 2687.94	43.82	31.70	3.08	35.53	9.50	0.00	33.57	54	-20.43	A	1.00
3400.04	46.24	31.46	3.36	35.50	9.50	0.00	36.06	59.28	-23.22	P	1.00
3400.04	36.39	31.46	3.36	35.50	9.50	0.00	26.21	48.41	-22.20	A	1.00
* 4923.81	48.17	35.10	2.64	35.24	9.50	1.60	42.77	74	-31.23	P	1.00
* 4923.81	40.24	35.10	2.64	35.24	9.50	1.60	34.84	54	-19.16	A	1.00
* 7384.24	50.50	39.75	4.85	35.62	9.50	2.00	51.98	74	-22.02	P	1.00
* 7384.24	44.21	39.75	4.85	35.62	9.50	2.00	45.69	54	-8.31	A	1.00
9847.94	54.82	38.52	5.90	36.76	9.50	0.49	53.47	59.28	-5.81	P	1.00
9847.94	46.32	38.52	5.90	36.76	9.50	0.49	44.97	48.41	-3.44	A	1.00
* 12304.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14765.94	-----	-----	-----	-----	9.50	0.49	-----	-----	-----	-----	1.00
17226.93	-----	-----	-----	-----	9.50	0.88	-----	-----	-----	-----	1.00
* 19687.92	-----	-----	-----	-----	9.50	3.92	-----	-----	-----	-----	1.00
* 22148.91	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24609.90	-----	-----	-----	-----	9.50	1.58	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 2).



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Test Requirement: 15.205

Company		NETGEAR Inc.						Test Date :		2003/12/10	
Product Name		802.11g ProSafe Wireless Access Point						Test By:		Y. H. Liu	
Model Name		WG302						TEMP&Humidity :		26.4℃ , 31%	
CH11 TX				Measurement Distance at 1m				Vertical polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.91	42.80	32.18	6.68	35.30	9.50	0.00	36.86	78.76	-41.90	P	1.00
2015.91	31.60	32.18	6.68	35.30	9.50	0.00	25.66	69.04	-43.38	A	1.00
* 2235.99	55.78	31.96	5.01	35.30	9.50	0.00	47.95	74	-26.05	P	1.00
* 2235.99	51.93	31.96	5.01	35.30	9.50	0.00	44.10	54	-9.90	A	1.00
2463.05	73.24	31.74	3.28	0.00	9.50	0.00	98.76	Fundamental Frequency		P	1.00
2463.05	63.52	31.74	3.28	0.00	9.50	0.00	89.04			A	1.00
* 2487.86	25.44	31.71	3.09	0.00	9.50	0.00	50.74	74	-23.26	P	1.00
* 2487.86	12.47	31.71	3.09	0.00	9.50	0.00	37.77	54	-16.23	A	1.00
* 2688.00	61.22	31.70	3.08	35.53	9.50	0.00	50.97	74	-23.03	P	1.00
* 2688.00	58.72	31.70	3.08	35.53	9.50	0.00	48.47	54	-5.53	A	1.00
3415.26	72.84	31.45	3.37	35.48	9.50	0.00	62.67	78.76	-16.09	P	1.00
3415.26	70.15	31.45	3.37	35.48	9.50	0.00	59.98	69.04	-9.06	A	1.00
* 4923.98	55.58	35.10	2.64	35.24	9.50	1.60	50.18	74	-23.82	P	1.00
* 4923.98	53.00	35.10	2.64	35.24	9.50	1.60	47.60	54	-6.40	A	1.00
* 7382.14	49.33	39.75	4.85	35.62	9.50	2.00	50.81	74	-23.19	P	1.00
* 7382.14	42.41	39.75	4.85	35.62	9.50	2.00	43.89	54	-10.11	A	1.00
9847.96	47.56	38.52	5.90	36.76	9.50	0.49	46.21	78.76	-32.55	P	1.00
9847.96	38.34	38.52	5.90	36.76	9.50	0.49	36.99	69.04	-32.05	A	1.00
* 12315.25	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14778.30	-----	-----	-----	-----	9.50	0.48	-----	-----	-----	-----	1.00
17241.35	-----	-----	-----	-----	9.50	0.89	-----	-----	-----	-----	1.00
* 19704.40	-----	-----	-----	-----	9.50	4.03	-----	-----	-----	-----	1.00
* 22167.45	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24630.50	-----	-----	-----	-----	9.50	1.57	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 2).
- The test data marked in gray background means the EUT emission data is located in the margin uncertainty range of emission limits.



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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH1 TX				Measurement Distance at 1m					Horizontal polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
* 2389.97	26.23	31.81	3.84	0.00	9.50	0.00	52.38	74	-21.62	P	1.00
* 2389.97	12.82	31.81	3.84	0.00	9.50	0.00	38.97	54	-15.03	A	1.00
2406.98	58.97	31.79	3.71	0.00	9.50	0.00	84.97	Fundamental Frequency		P	1.00
2406.98	49.12	31.79	3.71	0.00	9.50	0.00	75.12			A	1.00
* 2687.97	47.71	31.70	3.08	35.53	9.50	0.00	37.46	74	-36.54	P	1.00
* 2687.97	41.22	31.70	3.08	35.53	9.50	0.00	30.97	54	-23.03	A	1.00
* 3352.70	45.77	31.49	3.34	35.55	9.50	0.00	35.55	74	-38.45	P	1.00
* 3352.70	35.29	31.49	3.34	35.55	9.50	0.00	25.07	54	-28.93	A	1.00
* 4823.97	44.53	34.44	2.82	35.16	9.50	2.00	39.13	74	-34.87	P	1.00
* 4823.97	33.29	34.44	2.82	35.16	9.50	2.00	27.89	54	-26.11	A	1.00
7236.80	53.49	39.81	4.79	35.65	9.50	2.00	54.94	64.97	-10.03	P	1.00
7236.80	40.58	39.81	4.79	35.65	9.50	2.00	42.03	55.12	-13.09	A	1.00
9647.91	53.97	38.54	5.90	36.44	9.50	0.61	53.08	64.97	-11.89	P	1.00
9647.91	41.25	38.54	5.90	36.44	9.50	0.61	40.36	55.12	-14.76	A	1.00
* 12034.90	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14441.88	-----	-----	-----	-----	9.50	0.63	-----	-----	-----	-----	1.00
16848.86	-----	-----	-----	-----	9.50	0.64	-----	-----	-----	-----	1.00
* 19255.84	-----	-----	-----	-----	9.50	2.46	-----	-----	-----	-----	1.00
21662.82	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24069.80	-----	-----	-----	-----	9.50	2.20	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11g mode at 6Mbps (Antenna 2).

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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH1 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
* 2389.97	38.21	31.81	3.84	0.00	9.50	0.00	64.36	74	-9.64	P	1.00
* 2389.97	18.66	31.81	3.84	0.00	9.50	0.00	44.81	54	-9.19	A	1.00
2407.00	70.24	31.79	3.71	0.00	9.50	0.00	96.24	Fundamental Frequency		P	1.00
2407.00	63.42	31.79	3.71	0.00	9.50	0.00	89.42			A	1.00
* 2687.99	49.97	31.70	3.08	35.53	9.50	0.00	39.72	74	-34.28	P	1.00
* 2687.99	45.84	31.70	3.08	35.53	9.50	0.00	35.59	54	-18.41	A	1.00
3257.60	62.02	31.55	3.30	35.64	9.50	0.00	51.73	74	-22.27	P	1.00
3257.60	50.47	31.55	3.30	35.64	9.50	0.00	40.18	54	-13.82	A	1.00
* 4820.29	55.42	34.41	2.82	35.16	9.50	2.02	50.02	74	-23.98	P	1.00
* 4820.29	43.58	34.41	2.82	35.16	9.50	2.02	38.18	54	-15.82	A	1.00
7235.39	55.73	39.81	4.79	35.65	9.50	2.00	57.18	76.24	-19.06	P	1.00
7235.39	43.30	39.81	4.79	35.65	9.50	2.00	44.75	69.42	-24.67	A	1.00
9644.20	55.70	38.54	5.90	36.43	9.50	0.61	54.82	76.24	-21.42	P	1.00
9644.20	41.17	38.54	5.90	36.43	9.50	0.61	40.29	69.42	-29.13	A	1.00
* 12035.00	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14442.00	-----	-----	-----	-----	9.50	0.63	-----	-----	-----	-----	1.00
16849.00	-----	-----	-----	-----	9.50	0.64	-----	-----	-----	-----	1.00
* 19256.00	-----	-----	-----	-----	9.50	2.46	-----	-----	-----	-----	1.00
21663.00	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24070.00	-----	-----	-----	-----	9.50	2.20	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 2).



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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH6 TX				Measurement Distance at 1m					Horizontal polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2434.99	56.31	31.77	3.49	0.00	9.50	0.00	82.07	Fundamental Frequency		P	1.00
2434.99	49.22	31.77	3.49	0.00	9.50	0.00	74.98			A	1.00
* 2687.92	48.40	31.70	3.08	35.53	9.50	0.00	38.15	74	-35.85	P	1.00
* 2687.92	43.09	31.70	3.08	35.53	9.50	0.00	32.84	54	-21.16	A	1.00
3376.19	43.52	31.47	3.35	35.52	9.50	0.00	33.32	62.07	-28.75	P	1.00
3376.19	36.78	31.47	3.35	35.52	9.50	0.00	26.58	54.98	-28.40	A	1.00
* 4871.65	47.37	34.75	2.73	35.20	9.50	1.81	41.97	74	-32.03	P	1.00
* 4871.65	36.32	34.75	2.73	35.20	9.50	1.81	30.92	54	-23.08	A	1.00
* 7304.01	56.58	39.78	4.82	35.64	9.50	2.00	58.04	74	-15.96	P	1.00
* 7304.01	44.19	39.78	4.82	35.64	9.50	2.00	45.65	54	-8.35	A	1.00
9745.58	53.23	38.53	5.90	36.59	9.50	0.55	52.12	62.07	-9.95	P	1.00
9745.58	41.27	38.53	5.90	36.59	9.50	0.55	40.16	54.98	-14.82	A	1.00
* 12174.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14609.94	-----	-----	-----	-----	9.50	0.61	-----	-----	-----	-----	1.00
17044.93	-----	-----	-----	-----	9.50	0.74	-----	-----	-----	-----	1.00
* 19479.92	-----	-----	-----	-----	9.50	2.68	-----	-----	-----	-----	1.00
21914.91	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24349.90	-----	-----	-----	-----	9.50	1.81	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 2).



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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH6 TX				Measurement Distance at 1m				Vertical polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2435.89	73.54	31.76	3.49	0.00	9.50	0.00	99.29	Fundamental Frequency		P	1.00
2435.89	64.87	31.76	3.49	0.00	9.50	0.00	90.62			A	1.00
* 2687.97	48.00	31.70	3.08	35.53	9.50	0.00	37.75	74	-36.25	P	1.00
* 2687.97	43.91	31.70	3.08	35.53	9.50	0.00	33.66	54	-20.34	A	1.00
3340.33	67.51	31.50	3.34	35.56	9.50	0.00	57.28	79.29	-22.01	P	1.00
3340.33	54.49	31.50	3.34	35.56	9.50	0.00	44.26	70.62	-26.36	A	1.00
* 4871.19	52.95	34.75	2.73	35.20	9.50	1.82	47.55	74	-26.45	P	1.00
* 4871.19	41.62	34.75	2.73	35.20	9.50	1.82	36.22	54	-17.78	A	1.00
* 7304.18	62.54	39.78	4.82	35.64	9.50	2.00	64.00	74	-10.00	P	1.00
* 7304.18	48.06	39.78	4.82	35.64	9.50	2.00	49.52	54	-4.48	A	1.00
9744.00	54.04	38.53	5.90	36.59	9.50	0.55	52.93	79.29	-26.36	P	1.00
9744.00	41.50	38.53	5.90	36.59	9.50	0.55	40.39	70.62	-30.23	A	1.00
* 12179.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14615.34	-----	-----	-----	-----	9.50	0.61	-----	-----	-----	-----	1.00
17051.23	-----	-----	-----	-----	9.50	0.74	-----	-----	-----	-----	1.00
* 19487.12	-----	-----	-----	-----	9.50	2.69	-----	-----	-----	-----	1.00
21923.01	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24358.90	-----	-----	-----	-----	9.50	1.80	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 2).



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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH11 TX				Measurement Distance at 1m				Horizontal polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2462.90	58.33	31.74	3.28	0.00	9.50	0.00	83.85	Fundamental Frequency		P	1.00
2462.90	49.87	31.74	3.28	0.00	9.50	0.00	75.39			A	1.00
* 2483.65	24.07	31.72	3.12	0.00	9.50	0.00	49.41	74	-24.59	P	1.00
* 2483.65	11.93	31.72	3.12	0.00	9.50	0.00	37.27	54	-16.73	A	1.00
* 2688.01	50.11	31.70	3.08	35.53	9.50	0.00	39.86	74	-34.14	P	1.00
* 2688.01	46.37	31.70	3.08	35.53	9.50	0.00	36.12	54	-17.88	A	1.00
3406.49	45.12	31.46	3.36	35.49	9.50	0.00	34.95	63.85	-28.90	P	1.00
3406.49	38.56	31.46	3.36	35.49	9.50	0.00	28.39	55.39	-27.00	A	1.00
* 4925.70	43.05	35.11	2.63	35.24	9.50	1.60	37.65	74	-36.35	P	1.00
* 4925.70	33.56	35.11	2.63	35.24	9.50	1.60	28.16	54	-25.84	A	1.00
* 7384.01	45.81	39.75	4.85	35.62	9.50	2.00	47.29	74	-26.71	P	1.00
* 7384.01	37.68	39.75	4.85	35.62	9.50	2.00	39.16	54	-14.84	A	1.00
9845.32	49.84	38.52	5.90	36.75	9.50	0.49	48.50	63.85	-15.35	P	1.00
9845.32	36.51	38.52	5.90	36.75	9.50	0.49	35.17	55.39	-20.22	A	1.00
* 12314.50	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14777.40	-----	-----	-----	-----	9.50	0.48	-----	-----	-----	-----	1.00
17240.30	-----	-----	-----	-----	9.50	0.89	-----	-----	-----	-----	1.00
* 19703.20	-----	-----	-----	-----	9.50	4.02	-----	-----	-----	-----	1.00
* 22166.10	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24629.00	-----	-----	-----	-----	9.50	1.57	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 2).



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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/10
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	24.9°C , 43%

CH11 TX				Measurement Distance at 1m				Vertical polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2464.40	73.54	31.74	3.27	0.00	9.50	0.00	99.05	Fundamental Frequency		P	1.00
2464.40	64.89	31.74	3.27	0.00	9.50	0.00	90.40			A	1.00
* 2483.65	31.59	31.72	3.12	0.00	9.50	0.00	56.93	74	-17.07	P	1.00
* 2483.65	15.16	31.72	3.12	0.00	9.50	0.00	40.50	54	-13.50	A	1.00
* 2687.98	52.84	31.70	3.08	35.53	9.50	0.00	42.59	74	-31.41	P	1.00
* 2687.98	50.96	31.70	3.08	35.53	9.50	0.00	40.71	54	-13.29	A	1.00
3395.83	56.60	31.46	3.36	35.50	9.50	0.00	46.42	79.05	-32.63	P	1.00
3395.83	44.84	31.46	3.36	35.50	9.50	0.00	34.66	70.40	-35.74	A	1.00
* 4919.10	47.20	35.07	2.65	35.24	9.50	1.62	41.80	74	-32.20	P	1.00
* 4919.10	36.37	35.07	2.65	35.24	9.50	1.62	30.97	54	-23.03	A	1.00
* 7384.62	46.74	39.75	4.85	35.62	9.50	2.00	48.22	74	-25.78	P	1.00
* 7384.62	38.24	39.75	4.85	35.62	9.50	2.00	39.72	54	-14.28	A	1.00
9846.62	54.93	38.52	5.90	36.75	9.50	0.49	53.58	79.05	-25.47	P	1.00
9846.62	42.54	38.52	5.90	36.75	9.50	0.49	41.19	70.40	-29.21	A	1.00
* 12322.00	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14786.40	-----	-----	-----	-----	9.50	0.47	-----	-----	-----	-----	1.00
17250.80	-----	-----	-----	-----	9.50	0.90	-----	-----	-----	-----	1.00
* 19715.20	-----	-----	-----	-----	9.50	4.10	-----	-----	-----	-----	1.00
* 22179.60	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24644.00	-----	-----	-----	-----	9.50	1.57	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 2).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH1 TX				Measurement Distance at 1m					Horizontal polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2016.18	44.93	32.18	6.68	35.30	9.50	0.00	38.99	63.23	-24.24	P	1.00
2016.18	35.69	32.18	6.68	35.30	9.50	0.00	29.75	54.74	-24.99	A	1.00
* 2386.14	28.77	31.81	3.87	0.00	9.50	0.00	54.95	74	-19.05	P	1.00
* 2386.14	17.00	31.81	3.87	0.00	9.50	0.00	43.18	54	-10.82	A	1.00
2397.19	33.43	31.80	3.78	0.00	9.50	0.00	59.51	63.23	-3.72	P	1.00
2397.19	25.52	31.80	3.78	0.00	9.50	0.00	51.60	54.74	-3.14	A	1.00
2410.59	57.26	31.79	3.68	0.00	9.50	0.00	83.23	Fundamental Frequency		P	1.00
2410.59	48.77	31.79	3.68	0.00	9.50	0.00	74.74			A	1.00
* 2687.96	46.35	31.70	3.08	35.53	9.50	0.00	36.10	74	-37.90	P	1.00
* 2687.96	37.74	31.70	3.08	35.53	9.50	0.00	27.49	54	-26.51	A	1.00
* 3353.59	46.21	31.49	3.34	35.55	9.50	0.00	35.99	74	-38.01	P	1.00
* 3353.59	36.20	31.49	3.34	35.55	9.50	0.00	25.98	54	-28.02	A	1.00
* 4823.98	48.56	34.44	2.82	35.16	9.50	2.00	43.16	74	-30.84	P	1.00
* 4823.98	44.13	34.44	2.82	35.16	9.50	2.00	38.73	54	-15.27	A	1.00
7234.39	51.38	39.81	4.79	35.65	9.50	2.00	52.83	63.23	-10.40	P	1.00
7234.39	45.40	39.81	4.79	35.65	9.50	2.00	46.85	54.74	-7.89	A	1.00
9648.03	55.32	38.54	5.90	36.44	9.50	0.61	54.43	63.23	-8.80	P	1.00
9648.03	48.35	38.54	5.90	36.44	9.50	0.61	47.46	54.74	-7.28	A	1.00
* 12052.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14463.54	-----	-----	-----	-----	9.50	0.66	-----	-----	-----	-----	1.00
16874.13	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19284.72	-----	-----	-----	-----	9.50	2.48	-----	-----	-----	-----	1.00
21695.31	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24105.90	-----	-----	-----	-----	9.50	2.15	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 3).

**Ecom Sertech Corp.**

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FCC ID : PY3WG302

Report No. : EC04-03-008FRF

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Test Requirement: 15.205

Company		NETGEAR Inc.						Test Date :		2003/12/13	
Product Name		802.11g ProSafe Wireless Access Point						Test By:		Y. H. Liu	
Model Name		WG302						TEMP&Humidity :		26.4℃ , 31%	
CH1 TX				Measurement Distance at 1m Vertical polarity							
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.93	51.49	32.18	6.68	35.30	9.50	0.00	45.55	80.14	-34.59	P	1.00
2015.93	47.88	32.18	6.68	35.30	9.50	0.00	41.94	70.36	-28.42	A	1.00
* 2386.14	34.25	31.81	3.87	0.00	9.50	0.00	60.43	74	-13.57	P	1.00
* 2386.14	14.63	31.81	3.87	0.00	9.50	0.00	40.81	54	-13.19	A	1.00
2396.98	54.20	31.80	3.78	35.30	9.50	0.00	44.99	80.14	-35.15	P	1.00
2396.98	49.80	31.80	3.78	35.30	9.50	0.00	40.59	70.36	-29.77	A	1.00
2411.77	74.18	31.79	3.67	0.00	9.50	0.00	100.14	Fundamental Frequency		P	1.00
2411.77	64.40	31.79	3.67	0.00	9.50	0.00	90.36			A	1.00
* 2688.04	62.28	31.70	3.08	35.53	9.50	0.00	52.03	74	-21.97	P	1.00
* 2688.04	60.81	31.70	3.08	35.53	9.50	0.00	50.56	54	-3.44	A	1.00
* 3353.50	66.60	31.49	3.34	35.55	9.50	0.00	56.38	74	-17.62	P	1.00
* 3353.50	55.10	31.49	3.34	35.55	9.50	0.00	44.88	54	-9.12	A	1.00
* 4824.00	56.76	34.44	2.82	35.16	9.50	2.00	51.36	74	-22.64	P	1.00
* 4824.00	55.20	34.44	2.82	35.16	9.50	2.00	49.80	54	-4.20	A	1.00
7233.89	54.01	39.81	4.79	35.65	9.50	2.00	55.46	80.14	-24.68	P	1.00
7233.89	47.58	39.81	4.79	35.65	9.50	2.00	49.03	70.36	-21.33	A	1.00
9648.01	56.32	38.54	5.90	36.44	9.50	0.61	55.43	80.14	-24.71	P	1.00
9648.01	49.36	38.54	5.90	36.44	9.50	0.61	48.47	70.36	-21.89	A	1.00
* 12058.85	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
* 14470.62	-----	-----	-----	-----	9.50	0.66	-----	-----	-----	-----	1.00
16882.39	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19294.16	-----	-----	-----	-----	9.50	2.49	-----	-----	-----	-----	1.00
21705.93	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24117.70	-----	-----	-----	-----	9.50	2.14	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "----" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 3).

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FCC ID : PY3WG302

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH6 TX				Measurement Distance at 1m					Horizontal polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.98	44.96	32.18	6.68	35.30	9.50	0.00	39.02	66.28	-27.26	P	1.00
2015.98	35.50	32.18	6.68	35.30	9.50	0.00	29.56	56.53	-26.97	A	1.00
2185.82	46.51	32.01	5.39	35.30	9.50	0.00	39.11	66.28	-27.17	P	1.00
2185.82	36.43	32.01	5.39	35.30	9.50	0.00	29.03	56.53	-27.50	A	1.00
2436.88	60.54	31.76	3.48	0.00	9.50	0.00	86.28	Fundamental Frequency		P	1.00
2436.88	50.79	31.76	3.48	0.00	9.50	0.00	76.53			A	1.00
* 2687.98	50.03	31.70	3.08	35.53	9.50	0.00	39.78	74	-34.22	P	1.00
* 2687.98	46.04	31.70	3.08	35.53	9.50	0.00	35.79	54	-18.21	A	1.00
3378.30	47.50	31.47	3.35	35.52	9.50	0.00	37.30	66.28	-28.98	P	1.00
3378.30	36.72	31.47	3.35	35.52	9.50	0.00	26.52	56.53	-30.01	A	1.00
* 4873.96	47.65	34.77	2.73	35.20	9.50	1.80	42.25	74	-31.75	P	1.00
* 4873.96	42.32	34.77	2.73	35.20	9.50	1.80	36.92	54	-17.08	A	1.00
* 7313.65	53.45	39.77	4.83	35.64	9.50	2.00	54.91	74	-19.09	P	1.00
* 7313.65	49.15	39.77	4.83	35.64	9.50	2.00	50.61	54	-3.39	A	1.00
9748.08	55.28	38.53	5.90	36.60	9.50	0.55	54.16	66.28	-12.12	P	1.00
9748.08	48.76	38.53	5.90	36.60	9.50	0.55	47.64	56.53	-8.89	A	1.00
* 12184.40	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14621.28	-----	-----	-----	-----	9.50	0.60	-----	-----	-----	-----	1.00
17058.16	-----	-----	-----	-----	9.50	0.75	-----	-----	-----	-----	1.00
* 19495.04	-----	-----	-----	-----	9.50	2.70	-----	-----	-----	-----	1.00
21931.92	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24368.80	-----	-----	-----	-----	9.50	1.78	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11b mode at 11Mbps (Antenna 3).

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FCC ID : PY3WG302

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH6 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2016.75	65.58	32.18	6.67	35.30	9.50	0.00	59.64	81.98	-22.34	P	1.00
2016.75	59.32	32.18	6.67	35.30	9.50	0.00	53.38	72.89	-19.51	A	1.00
2185.95	56.02	32.01	5.39	35.30	9.50	0.00	48.62	81.98	-33.36	P	1.00
2185.95	53.41	32.01	5.39	35.30	9.50	0.00	46.01	72.89	-26.88	A	1.00
2435.49	76.23	31.76	3.49	0.00	9.50	0.00	101.98	Fundamental Frequency		P	1.00
2435.49	67.14	31.76	3.49	0.00	9.50	0.00	92.89			A	1.00
* 2687.97	22.64	31.70	3.08	35.53	9.50	0.00	12.39	74	-61.61	P	1.00
* 2687.97	12.04	31.70	3.08	35.53	9.50	0.00	1.79	54	-52.21	A	1.00
3340.31	71.49	31.50	3.34	35.56	9.50	0.00	61.26	81.98	-20.72	P	1.00
3340.31	70.53	31.50	3.34	35.56	9.50	0.00	60.30	72.89	-12.59	A	1.00
* 4874.02	56.59	34.77	2.73	35.20	9.50	1.80	51.19	74	-22.81	P	1.00
* 4874.02	54.99	34.77	2.73	35.20	9.50	1.80	49.59	54	-4.41	A	1.00
* 7313.20	55.04	39.77	4.83	35.64	9.50	2.00	56.50	74	-17.50	P	1.00
* 7313.20	45.92	39.77	4.83	35.64	9.50	2.00	47.38	54	-6.62	A	1.00
9747.93	56.14	38.53	5.90	36.60	9.50	0.55	55.02	81.98	-26.96	P	1.00
9747.93	48.35	38.53	5.90	36.60	9.50	0.55	47.23	72.89	-25.66	A	1.00
* 12177.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14612.94	-----	-----	-----	-----	9.50	0.61	-----	-----	-----	-----	1.00
17048.43	-----	-----	-----	-----	9.50	0.74	-----	-----	-----	-----	1.00
* 19483.92	-----	-----	-----	-----	9.50	2.68	-----	-----	-----	-----	1.00
21919.41	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24354.90	-----	-----	-----	-----	9.50	1.80	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11b mode at 11Mbps (Antenna 3).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	26.4°C , 31%

CH11 TX				Measurement Distance at 1m				Horizontal polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.92	46.91	32.18	6.68	35.30	9.50	0.00	40.97	61.45	-20.48	P	1.00
2015.92	37.52	32.18	6.68	35.30	9.50	0.00	31.58	52.23	-20.65	A	1.00
* 2235.96	47.66	31.96	5.01	35.30	9.50	0.00	39.83	74	-34.17	P	1.00
* 2235.96	39.50	31.96	5.01	35.30	9.50	0.00	31.67	54	-22.33	A	1.00
2461.94	55.92	31.74	3.29	0.00	9.50	0.00	81.45	Fundamental Frequency		P	1.00
2461.94	46.70	31.74	3.29	0.00	9.50	0.00	72.23			A	1.00
* 2483.65	23.86	31.72	3.12	0.00	9.50	0.00	49.20	74	-24.80	P	1.00
* 2483.65	11.81	31.72	3.12	0.00	9.50	0.00	37.15	54	-16.85	A	1.00
* 2687.94	48.65	31.70	3.08	35.53	9.50	0.00	38.40	74	-35.60	P	1.00
* 2687.94	43.82	31.70	3.08	35.53	9.50	0.00	33.57	54	-20.43	A	1.00
3400.04	46.24	31.46	3.36	35.50	9.50	0.00	36.06	61.45	-25.39	P	1.00
3400.04	36.39	31.46	3.36	35.50	9.50	0.00	26.21	52.23	-26.02	A	1.00
* 4923.81	48.17	35.10	2.64	35.24	9.50	1.60	42.77	74	-31.23	P	1.00
* 4923.81	40.24	35.10	2.64	35.24	9.50	1.60	34.84	54	-19.16	A	1.00
* 7384.24	50.50	39.75	4.85	35.62	9.50	2.00	51.98	74	-22.02	P	1.00
* 7384.24	44.21	39.75	4.85	35.62	9.50	2.00	45.69	54	-8.31	A	1.00
9847.94	53.23	38.52	5.90	36.76	9.50	0.49	51.88	61.45	-9.57	P	1.00
9847.94	44.33	38.52	5.90	36.76	9.50	0.49	42.98	52.23	-9.25	A	1.00
* 12309.72	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14771.66	-----	-----	-----	-----	9.50	0.48	-----	-----	-----	-----	1.00
17233.60	-----	-----	-----	-----	9.50	0.89	-----	-----	-----	-----	1.00
* 19695.54	-----	-----	-----	-----	9.50	3.97	-----	-----	-----	-----	1.00
* 22157.49	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24619.43	-----	-----	-----	-----	9.50	1.58	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 3).

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Test Requirement: 15.205

Company				NETGEAR Inc.				Test Date :		2003/12/13	
Product Name		802.11g ProSafe Wireless Access Point						Test By:		Y. H. Liu	
Model Name		WG302						TEMP&Humidity :		26.4℃ , 31%	
CH11 TX				Measurement Distance at 1m				Vertical polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2015.91	55.79	32.18	6.68	35.30	9.50	0.00	49.85	79.15	-29.30	P	1.00
2015.91	51.75	32.18	6.68	35.30	9.50	0.00	45.81	69.91	-24.10	A	1.00
* 2235.99	55.78	31.96	5.01	35.30	9.50	0.00	47.95	74	-26.05	P	1.00
* 2235.99	51.93	31.96	5.01	35.30	9.50	0.00	44.10	54	-9.90	A	1.00
2462.05	73.62	31.74	3.29	0.00	9.50	0.00	99.15	Fundamental Frequency		P	1.00
2462.05	64.27	31.74	3.29	0.00	9.50	0.00	89.80			A	1.00
* 2487.86	24.38	31.71	3.09	0.00	9.50	0.00	49.68	74	-24.32	P	1.00
* 2487.86	13.16	31.71	3.09	0.00	9.50	0.00	38.46	54	-15.54	A	1.00
* 2688.00	61.22	31.70	3.08	35.53	9.50	0.00	50.97	74	-23.03	P	1.00
* 2688.00	58.72	31.70	3.08	35.53	9.50	0.00	48.47	54	-5.53	A	1.00
3415.26	72.84	31.45	3.37	35.48	9.50	0.00	62.67	79.15	-16.48	P	1.00
3415.26	70.15	31.45	3.37	35.48	9.50	0.00	59.98	69.91	-9.93	A	1.00
* 4923.98	55.58	35.10	2.64	35.24	9.50	1.60	50.18	74	-23.82	P	1.00
* 4923.98	53.00	35.10	2.64	35.24	9.50	1.60	47.60	54	-6.40	A	1.00
* 7382.14	49.33	39.75	4.85	35.62	9.50	2.00	50.81	74	-23.19	P	1.00
* 7382.14	42.41	39.75	4.85	35.62	9.50	2.00	43.89	54	-10.11	A	1.00
9847.96	55.18	38.52	5.90	36.76	9.50	0.49	53.83	79.15	-25.32	P	1.00
9847.96	46.37	38.52	5.90	36.76	9.50	0.49	45.02	69.91	-24.89	A	1.00
* 12310.25	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14772.30	-----	-----	-----	-----	9.50	0.48	-----	-----	-----	-----	1.00
17234.35	-----	-----	-----	-----	9.50	0.89	-----	-----	-----	-----	1.00
* 19696.40	-----	-----	-----	-----	9.50	3.98	-----	-----	-----	-----	1.00
* 22158.45	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24620.50	-----	-----	-----	-----	9.50	1.58	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark “---” means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark “*” means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11b mode at 11Mbps (Antenna 3).



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FCC ID : PY3WG302

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH1 TX				Measurement Distance at 1m					Horizontal polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
* 2389.97	26.10	31.81	3.84	0.00	9.50	0.00	52.25	74	-21.75	P	1.00
* 2389.97	12.92	31.81	3.84	0.00	9.50	0.00	39.07	54	-14.93	A	1.00
2410.21	54.27	31.79	3.68	0.00	9.50	0.00	80.24	Fundamental Frequency		P	1.00
2410.21	45.76	31.79	3.68	0.00	9.50	0.00	71.73			A	1.00
* 2687.99	48.72	31.70	3.08	35.53	9.50	0.00	38.47	74	-35.53	P	1.00
* 2687.99	42.02	31.70	3.08	35.53	9.50	0.00	31.77	54	-22.23	A	1.00
* 3348.28	54.97	31.49	3.34	35.55	9.50	0.00	44.75	74	-29.25	P	1.00
* 3348.28	42.95	31.49	3.34	35.55	9.50	0.00	32.73	54	-21.27	A	1.00
* 4823.97	43.27	34.44	2.82	35.16	9.50	2.00	37.87	74	-36.13	P	1.00
* 4823.97	32.26	34.44	2.82	35.16	9.50	2.00	26.86	54	-27.14	A	1.00
7236.80	45.69	39.81	4.79	35.65	9.50	2.00	47.14	60.24	-13.10	P	1.00
7236.80	34.36	39.81	4.79	35.65	9.50	2.00	35.81	51.73	-15.92	A	1.00
9647.96	46.16	38.54	5.90	36.44	9.50	0.61	45.27	60.24	-14.97	P	1.00
9647.96	33.71	38.54	5.90	36.44	9.50	0.61	32.82	51.73	-18.91	A	1.00
* 12051.05	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14461.26	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
16871.47	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19281.68	-----	-----	-----	-----	9.50	2.48	-----	-----	-----	-----	1.00
21691.89	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24102.10	-----	-----	-----	-----	9.50	2.16	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11g mode at 6Mbps (Antenna 3).

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FCC ID : PY3WG302

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH1 TX				Measurement Distance at 1m					Vertical polarity		
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
* 2389.97	37.48	31.81	3.84	0.00	9.50	0.00	63.63	74	-10.37	P	1.00
* 2389.97	19.14	31.81	3.84	0.00	9.50	0.00	45.29	54	-8.71	A	1.00
2410.14	72.46	31.79	3.68	0.00	9.50	0.00	98.43	Fundamental Frequency		P	1.00
2410.14	62.26	31.79	3.68	0.00	9.50	0.00	88.23			A	1.00
* 2687.99	57.86	31.70	3.08	35.53	9.50	0.00	47.61	74	-26.39	P	1.00
* 2687.99	51.78	31.70	3.08	35.53	9.50	0.00	41.53	54	-12.47	A	1.00
2996.28	61.71	31.70	3.20	35.90	9.50	0.00	51.21	78.43	-27.22	P	1.00
2996.28	48.59	31.70	3.20	35.90	9.50	0.00	38.09	68.23	-30.14	A	1.00
* 4822.00	57.55	34.43	2.82	35.16	9.50	2.01	52.15	74	-21.85	P	1.00
* 4822.00	43.90	34.43	2.82	35.16	9.50	2.01	38.50	54	-15.50	A	1.00
7236.02	46.73	39.81	4.79	35.65	9.50	2.00	48.18	78.43	-30.25	P	1.00
7236.02	36.88	39.81	4.79	35.65	9.50	2.00	38.33	68.23	-29.90	A	1.00
9647.97	46.03	38.54	5.90	36.44	9.50	0.61	45.14	78.43	-33.29	P	1.00
9647.97	34.96	38.54	5.90	36.44	9.50	0.61	34.07	68.23	-34.16	A	1.00
* 12050.70	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14460.84	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
16870.98	-----	-----	-----	-----	9.50	0.65	-----	-----	-----	-----	1.00
* 19281.12	-----	-----	-----	-----	9.50	2.48	-----	-----	-----	-----	1.00
21691.26	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24101.40	-----	-----	-----	-----	9.50	2.16	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 3).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH6 TX				Measurement Distance at 1m				Horizontal polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2439.99	58.46	31.76	3.46	0.00	9.50	0.00	84.18	Fundamental Frequency		P	1.00
2439.99	49.24	31.76	3.46	0.00	9.50	0.00	74.96			A	1.00
* 2687.97	57.28	31.70	3.08	35.53	9.50	0.00	47.03	74	-26.97	P	1.00
* 2687.97	54.82	31.70	3.08	35.53	9.50	0.00	44.57	54	-9.43	A	1.00
3374.76	60.31	31.48	3.35	35.53	9.50	0.00	50.11	64.18	-14.07	P	1.00
3374.76	48.54	31.48	3.35	35.53	9.50	0.00	38.34	54.96	-16.62	A	1.00
* 4873.98	42.72	34.77	2.73	35.20	9.50	1.80	37.32	74	-36.68	P	1.00
* 4873.98	32.22	34.77	2.73	35.20	9.50	1.80	26.82	54	-27.18	A	1.00
* 7304.01	46.17	39.78	4.82	35.64	9.50	2.00	47.63	74	-26.37	P	1.00
* 7304.01	34.67	39.78	4.82	35.64	9.50	2.00	36.13	54	-17.87	A	1.00
9745.58	46.26	38.53	5.90	36.59	9.50	0.55	45.15	64.18	-19.03	P	1.00
9745.58	34.54	38.53	5.90	36.59	9.50	0.55	33.43	54.96	-21.53	A	1.00
* 12199.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14639.94	-----	-----	-----	-----	9.50	0.59	-----	-----	-----	-----	1.00
17079.93	-----	-----	-----	-----	9.50	0.76	-----	-----	-----	-----	1.00
* 19519.92	-----	-----	-----	-----	9.50	2.83	-----	-----	-----	-----	1.00
21959.91	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24399.90	-----	-----	-----	-----	9.50	1.74	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 3).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH6 TX				Measurement Distance at 1m				Vertical polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2434.69	75.84	31.77	3.50	0.00	9.50	0.00	101.60	Fundamental Frequency		P	1.00
2434.69	66.28	31.77	3.50	0.00	9.50	0.00	92.04			A	1.00
* 2687.97	67.08	31.70	3.08	35.53	9.50	0.00	56.83	74	-17.17	P	1.00
* 2687.97	56.18	31.70	3.08	35.53	9.50	0.00	45.93	54	-8.07	A	1.00
* 2830.28	67.48	31.70	3.13	35.70	9.50	0.00	57.12	74	-16.88	P	1.00
* 2830.28	53.25	31.70	3.13	35.70	9.50	0.00	42.89	54	-11.11	A	1.00
3041.03	64.17	31.68	3.22	35.86	9.50	0.00	53.70	81.60	-27.90	P	1.00
3041.03	52.96	31.68	3.22	35.86	9.50	0.00	42.49	72.04	-29.55	A	1.00
3340.84	67.28	31.50	3.34	35.56	9.50	0.00	57.05	81.60	-24.55	P	1.00
3340.84	54.63	31.50	3.34	35.56	9.50	0.00	44.40	72.04	-27.64	A	1.00
* 4868.18	68.39	34.73	2.74	35.19	9.50	1.83	62.99	74	-11.01	P	1.00
* 4868.18	54.63	34.73	2.74	35.19	9.50	1.83	49.23	54	-4.77	A	1.00
* 7305.18	55.07	39.78	4.82	35.64	9.50	2.00	56.53	74	-17.47	P	1.00
* 7305.18	40.01	39.78	4.82	35.64	9.50	2.00	41.47	54	-12.53	A	1.00
9747.97	47.56	38.53	5.90	36.60	9.50	0.55	46.44	81.60	-35.16	P	1.00
9747.97	36.02	38.53	5.90	36.60	9.50	0.55	34.90	72.04	-37.14	A	1.00
* 12173.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14608.14	-----	-----	-----	-----	9.50	0.61	-----	-----	-----	-----	1.00
17042.83	-----	-----	-----	-----	9.50	0.73	-----	-----	-----	-----	1.00
* 19477.52	-----	-----	-----	-----	9.50	2.68	-----	-----	-----	-----	1.00
21912.21	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24346.90	-----	-----	-----	-----	9.50	1.81	-----	-----	-----	-----	1.00

Note :

- For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
- The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
- AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
- Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
- Remark "*" means that Restricted band.
- Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
- The result basic equation calculation is as follow:

$$\text{Level} = \text{Reading} + \text{AF} + \text{Cable} - \text{Preamp} + \text{Filter} - \text{Dist}, \text{Margin} = \text{Level} - \text{Limit}$$
- The other emission levels were very low against the limit
- The test limit distance is 3M limit.
- For 802.11g mode at 6Mbps (Antenna 3).



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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH11 TX				Measurement Distance at 1m				Horizontal polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2461.89	53.84	31.74	3.29	0.00	9.50	0.00	79.37	Fundamental Frequency		P	1.00
2461.89	43.96	31.74	3.29	0.00	9.50	0.00	69.49			A	1.00
* 2483.65	25.10	31.72	3.12	0.00	9.50	0.00	50.44	74	-23.56	P	1.00
* 2483.65	12.26	31.72	3.12	0.00	9.50	0.00	37.60	54	-16.40	A	1.00
* 2687.98	45.98	31.70	3.08	35.53	9.50	0.00	35.73	74	-38.27	P	1.00
* 2687.98	34.74	31.70	3.08	35.53	9.50	0.00	24.49	54	-29.51	A	1.00
3402.12	47.02	31.46	3.36	35.50	9.50	0.00	36.84	59.37	-22.53	P	1.00
3402.12	36.04	31.46	3.36	35.50	9.50	0.00	25.86	49.49	-23.63	A	1.00
* 4929.82	45.11	35.14	2.63	35.24	9.50	1.58	39.71	74	-34.29	P	1.00
* 4929.82	34.21	35.14	2.63	35.24	9.50	1.58	28.81	54	-25.19	A	1.00
* 7386.25	43.28	39.75	4.85	35.62	9.50	2.00	44.76	74	-29.24	P	1.00
* 7386.25	33.24	39.75	4.85	35.62	9.50	2.00	34.72	54	-19.28	A	1.00
9845.32	45.32	38.52	5.90	36.75	9.50	0.49	43.98	59.37	-15.39	P	1.00
9845.32	35.38	38.52	5.90	36.75	9.50	0.49	34.04	49.49	-15.45	A	1.00
* 12309.45	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14771.34	-----	-----	-----	-----	9.50	0.48	-----	-----	-----	-----	1.00
17233.23	-----	-----	-----	-----	9.50	0.89	-----	-----	-----	-----	1.00
* 19695.12	-----	-----	-----	-----	9.50	3.97	-----	-----	-----	-----	1.00
* 22157.01	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24618.90	-----	-----	-----	-----	9.50	1.58	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 3).

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Test Requirement: 15.205

Company	NETGEAR Inc.	Test Date :	2003/12/13
Product Name	802.11g ProSafe Wireless Access Point	Test By:	Y. H. Liu
Model Name	WG302	TEMP&Humidity :	15.5°C , 65%

CH11 TX				Measurement Distance at 1m				Vertical polarity			
Freq.	Reading	AF	Closs	Pre-amp	Dist	Filter	Level	Limit	Margin	Mark	Height
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	(dBuV/m)	(dB)	(P/Q/A)	(Meter)
2460.99	70.81	31.74	3.30	0.00	9.50	0.00	96.35	Fundamental Frequency		P	1.00
2460.99	60.31	31.74	3.30	0.00	9.50	0.00	85.85			A	1.00
* 2483.65	27.52	31.72	3.12	0.00	9.50	0.00	52.86	74	-21.14	P	1.00
* 2483.65	13.20	31.72	3.12	0.00	9.50	0.00	38.54	54	-15.46	A	1.00
* 2687.96	50.69	31.70	3.08	35.53	9.50	0.00	40.44	74	-33.56	P	1.00
* 2687.96	46.02	31.70	3.08	35.53	9.50	0.00	35.77	54	-18.23	A	1.00
3409.35	60.75	31.45	3.36	35.49	9.50	0.00	50.58	76.35	-25.77	P	1.00
3409.35	37.49	31.45	3.36	35.49	9.50	0.00	27.32	65.85	-38.53	A	1.00
* 4925.62	45.06	35.11	2.63	35.24	9.50	1.60	39.66	74	-34.34	P	1.00
* 4925.62	32.76	35.11	2.63	35.24	9.50	1.60	27.36	54	-26.64	A	1.00
* 7386.10	46.09	39.75	4.85	35.62	9.50	2.00	47.57	74	-26.43	P	1.00
* 7386.10	34.13	39.75	4.85	35.62	9.50	2.00	35.61	54	-18.39	A	1.00
9648.13	44.72	38.54	5.90	36.44	9.50	0.61	43.83	76.35	-32.52	P	1.00
9648.13	34.71	38.54	5.90	36.44	9.50	0.61	33.82	65.85	-32.03	A	1.00
* 12304.95	-----	-----	-----	-----	9.50	0.80	-----	-----	-----	-----	1.00
14765.94	-----	-----	-----	-----	9.50	0.49	-----	-----	-----	-----	1.00
17226.93	-----	-----	-----	-----	9.50	0.88	-----	-----	-----	-----	1.00
* 19687.92	-----	-----	-----	-----	9.50	3.92	-----	-----	-----	-----	1.00
* 22148.91	-----	-----	-----	-----	9.50	0.70	-----	-----	-----	-----	1.00
24609.90	-----	-----	-----	-----	9.50	1.58	-----	-----	-----	-----	1.00

Note :

1. For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental.
2. The measurement was searched to 10th harmonic, Remark "---" means that the emissions level is too low to be measured.
3. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: High Pass Filter Insertion Loss (3.5GHz)
4. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
5. Remark "*" means that Restricted band.
6. Dist : correction to extra plate reading to 3m specification distance 1m measurement distance = -9.5dB
7. The result basic equation calculation is as follow:
Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
8. The other emission levels were very low against the limit
9. The test limit distance is 3M limit.
10. For 802.11g mode at 6Mbps (Antenna 3).

3.7 Photos of Open Site

Antenna 1



Antenna 1



Antenna 2



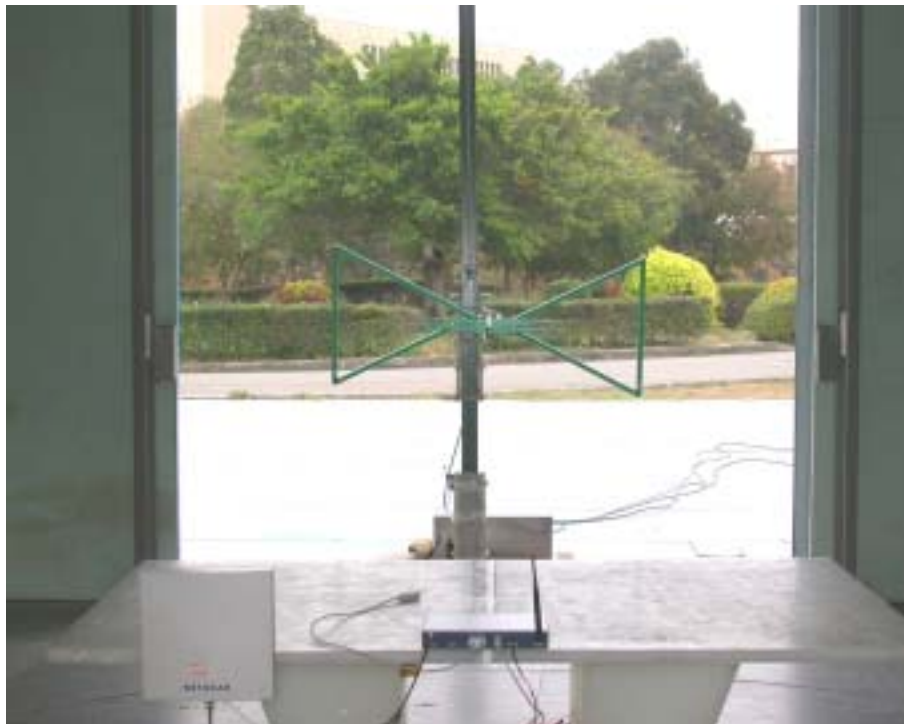
Antenna 2



Antenna 3



Antenna 3



4. 6dB BANDWIDTH MEASUREMENT

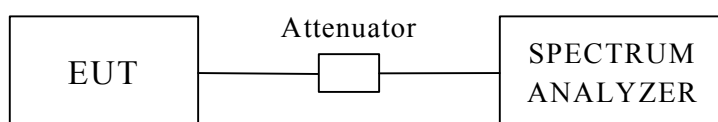
4.1 Test Equipments

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration
ROHDE & SCHWARZ SPECTRUM ANALYZER	FSEK30	835253/002	JUN. 17, 2003
HP ATTENUATOR	8496B	3247A18505	Cal. on use
HP PLOTTER	7750A	725A 852141	N/A

Note :

1. The measurement uncertainty is less than $\pm 2.6\text{dB}$, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.2 Test Setup



4.3 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is $>500\text{KHz}$

4.4 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 KHz RBW and 1000 KHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

4.5 Uncertainty of Conducted Emission

The uncertainty of conducted emission is $\pm 200\text{KHz}$.

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4.6 Test Results

Input Power (System)	12VDC (Form Power Adapter)	Environmental Conditions	33.4°C, 43%RH,
Tested By	Y. H. Liu		

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
1	2412	11.62	0.5	PASS
6	2437	11.92	0.5	PASS
11	2462	11.66	0.5	PASS

Note: 1. For 802.11b Mode

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
1	2412	16.43	0.5	PASS
6	2437	16.41	0.5	PASS
11	2462	16.43	0.5	PASS

Note: 1. For 802.11g Mode



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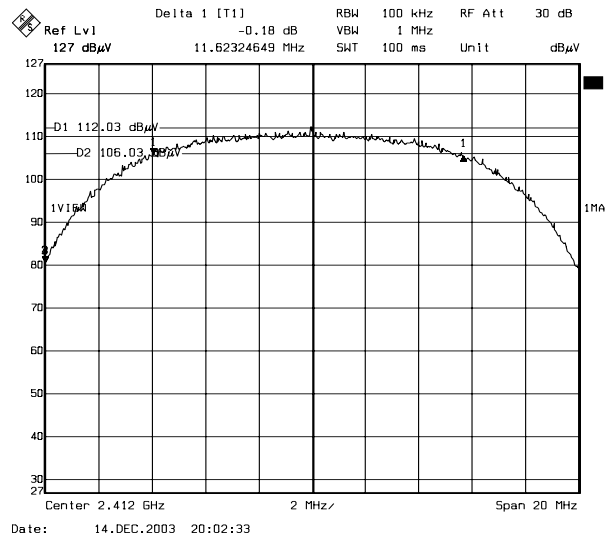
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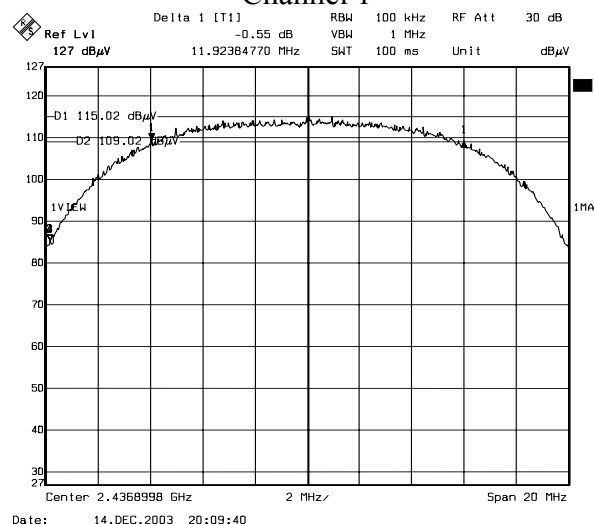
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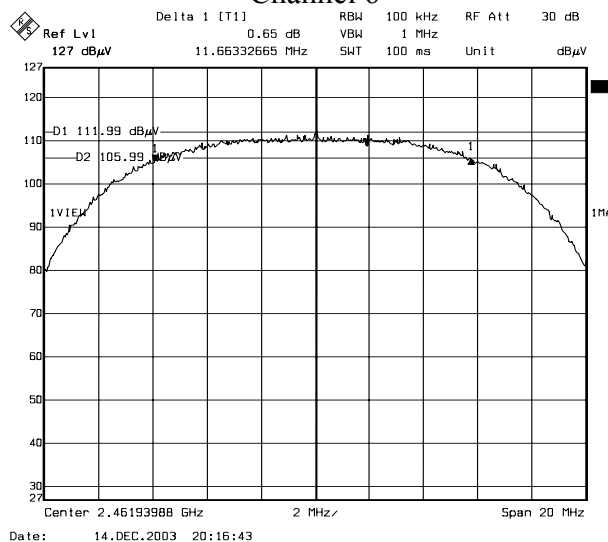
4.7 Photo of 6db Bandwidth Measurement



Channel 1



Channel 6



Channel 11

Note: For 802.11b Mode



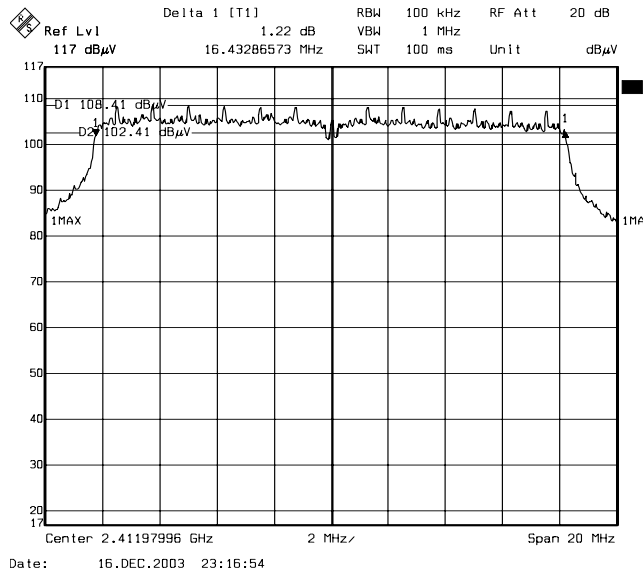
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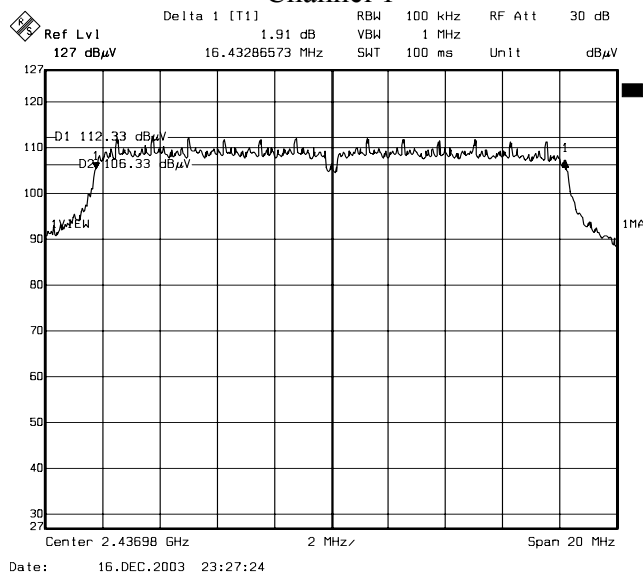
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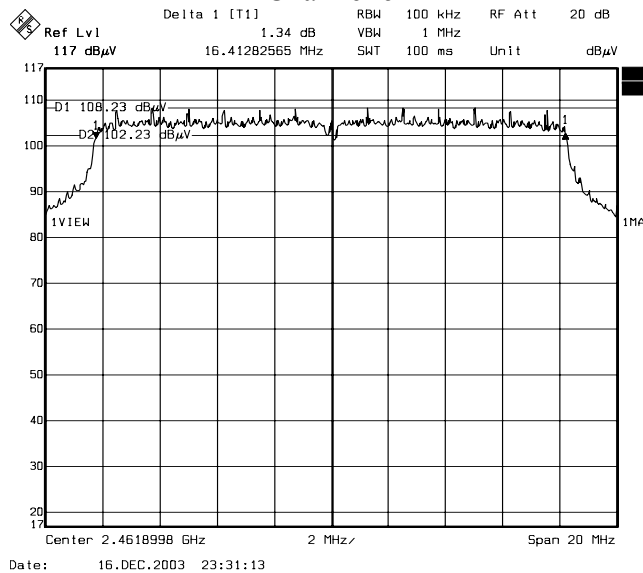
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Channel 1



Channel 6



Channel 11

Note: For 802.11g Mode



5. MAXIMUM PEAK OUTPUT POWER

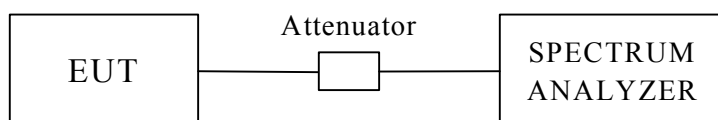
5.1 Test Equipments

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration
ROHDE & SCHWARZ SPECTRUM ANALYZER	FSEK30	835253/002	JUN. 17, 2003
HP ATTENUATOR	8496B	3247A18505	Cal. on use
HP PLOTTER	7750A	725A 852141	N/A

Note :

1. The measurement uncertainty is less than $\pm 2.6\text{dB}$, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

5.2 Test Setup



5.3 Limits of Maximum Peak Output Power

The Maximum Peak Output Power Measurement is 30dBm.

5.4 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.

The output power can be controlled ART test software. Different channel has different rated RF power. For channel 1 in 802.11g mode, the parameter of OUTPUT POWER set in ART test software during test is 15.

For channel 6 in 802.11g mode the parameter of OUTPUT POWER set in ART test software during test is 20.



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For channel 11 in 802.11g mode the parameter of OUTPUT POWER set in ART test software during test is 15.

For channel 1 in 802.11b mode the parameter of OUTPUT POWER set in ART test software during test is 15.

For channel 6 in 802.11b mode the parameter of OUTPUT POWER set in ART test software during test is 20.

For channel 11 in 802.11b mode the parameter of OUTPUT POWER set in ART test software during test is 15.

5.5 Uncertainty of Conducted Emission

The uncertainty of conducted emission is $\pm 1.82\text{dB}$.

5.6 Test Results

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
1	2412	16.12	30	PASS
6	2437	19.21	30	PASS
11	2462	15.33	30	PASS

Note : 1. For 802.11b Mode (Antenna 1)
2. At final test to get the worst-case emission at 11Mbps.
3. The result basic equation calculation as follow :
Peak Power Output = Peak Power Reading + Cable loss + Attenuator

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
1	2412	14.76	30	PASS
6	2437	19.92	30	PASS
11	2462	14.30	30	PASS

Note : 1. For 802.11g Mode (Antenna 1)
2. At final test to get the worst-case emission at 6Mbps.
3. The result basic equation calculation as follow :
Peak Power Output = Peak Power Reading + Cable loss + Attenuator

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Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
1	2412	16.12	29	PASS
6	2437	19.21	29	PASS
11	2462	15.33	29	PASS

Note : 1. For 802.11b Mode (Antenna 2)
2. At final test to get the worst-case emission at 11Mbps.
3. The result basic equation calculation as follow :
Peak Power Output = Peak Power Reading + Cable loss + Attenuator

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
1	2412	14.76	29	PASS
6	2437	19.92	29	PASS
11	2462	14.30	29	PASS

Note : 1. For 802.11g Mode (Antenna 2)
2. At final test to get the worst-case emission at 6Mbps.
3. The result basic equation calculation as follow :
Peak Power Output = Peak Power Reading + Cable loss + Attenuator

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
1	2412	16.12	26	PASS
6	2437	19.21	26	PASS
11	2462	15.33	26	PASS

Note : 1. For 802.11b Mode (Antenna 3)
2. At final test to get the worst-case emission at 11Mbps.
3. The result basic equation calculation as follow :
Peak Power Output = Peak Power Reading + Cable loss + Attenuator

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
1	2412	14.76	26	PASS
6	2437	19.92	26	PASS
11	2462	14.30	26	PASS

Note : 1. For 802.11g Mode (Antenna 3)
2. At final test to get the worst-case emission at 6Mbps.
3. The result basic equation calculation as follow :
Peak Power Output = Peak Power Reading + Cable loss + Attenuator



6. POWER SPECTRAL DENSITY MEASUREMENT

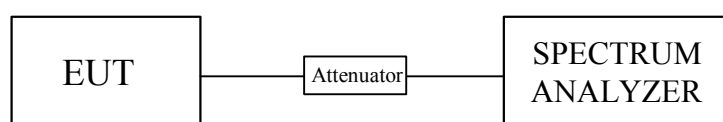
6.1 Test Equipments

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration
ROHDE & SCHWARZ SPECTRUM ANALYZER	FSEK30	835253/002	JUN. 17, 2003
HP ATTENUATOR	8496B	3247A18505	Cal. on use
HP PLOTTER	7750A	725A 852141	N/A

Note :

1. The measurement uncertainty is less than $\pm 2.6\text{dB}$, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

6.2 Test Setup



6.3 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm.



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6.4 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3KHz RBW and 30KHz VBW, set sweep time=span / 3KHz.

The power spectral density was measured and recorded.

The sweep time is allowed to be longer than span / 3KHz for a full response of the mixer in the spectrum analyzer.

6.5 Uncertainty of Conducted Emission

The uncertainty of conducted emission is $\pm 1.82\text{dB}$.

6.6 Test Results

Input Power (System)	12VDC (Form Power Adapter)	Environmental Conditions	33.4°C, 43%RH,
Tested By	Y. H. Liu		

Channel	Channel Frequency (MHz)	Final RF Power Level in 3KHz BW (dBm)	Maximum Limit (dBm)	Pass / Fail
1	2412	-0.37	8	PASS
6	2437	-2.40	8	PASS
11	2462	-4.70	8	PASS

Note: 1. For 11Mbps (802.11b mode) at final test to get the worst-case emission at 11Mbps.

2. The measurement value of RF Power Level + 10dB attenuator = Final RF Power Level.

Channel	Channel Frequency (MHz)	Final RF Power Level in 3KHz BW (dBm)	Maximum Limit (dBm)	Pass / Fail
1	2412	-6.04	8	PASS
6	2437	-6.36	8	PASS
11	2462	-6.03	8	PASS

Note: 1. For 54Mbps (802.11g mode) at final test to get the worst-case emission at 6Mbps.

2. The measurement value of RF Power Level + 10dB attenuator = Final RF Power Level.



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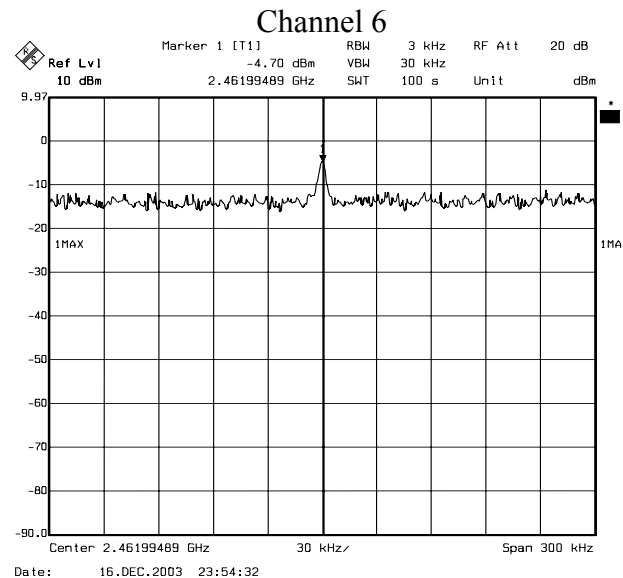
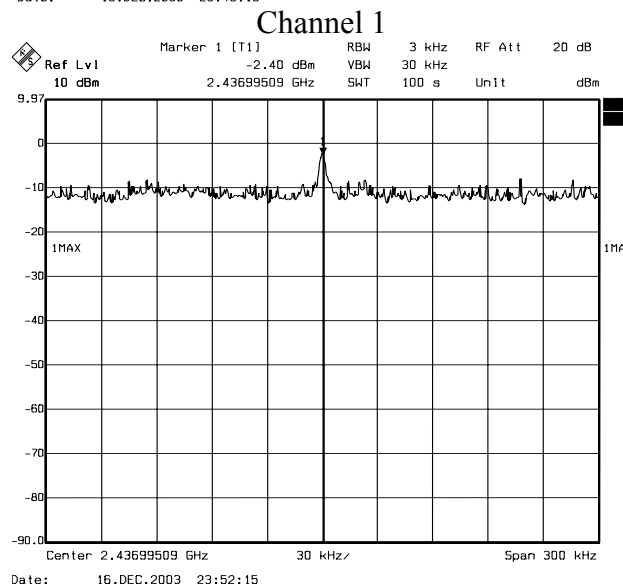
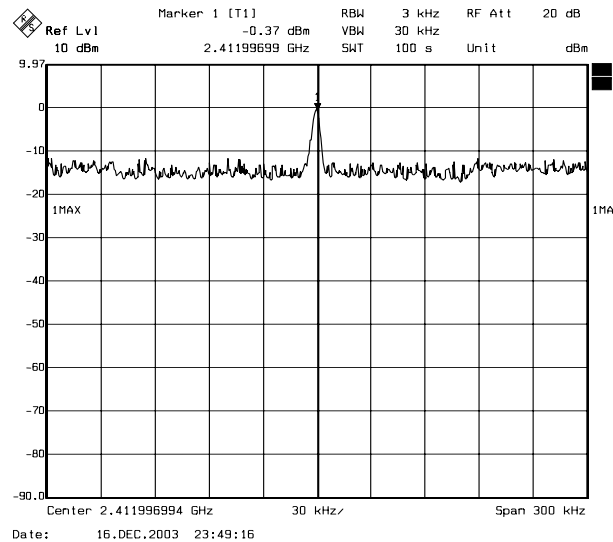
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6.7 Photo of Power Spectral Density Measurement



Channel 11
Note: For 802.11b Mode



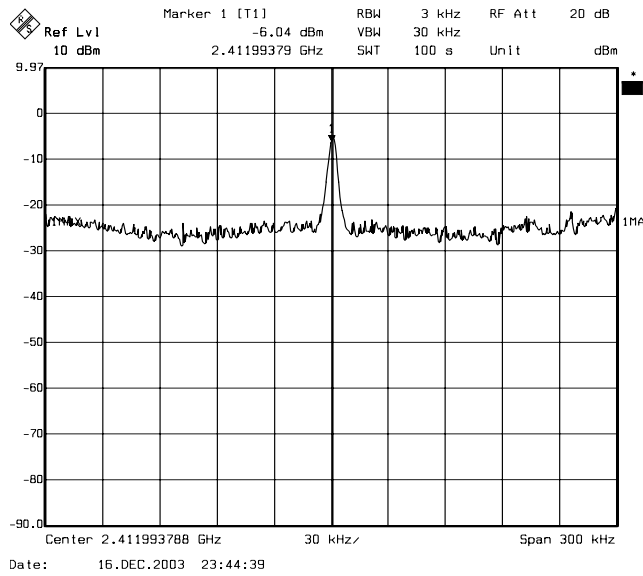
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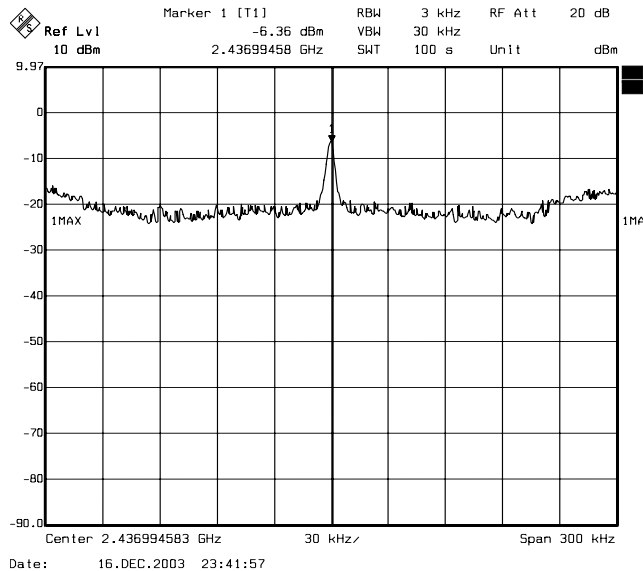
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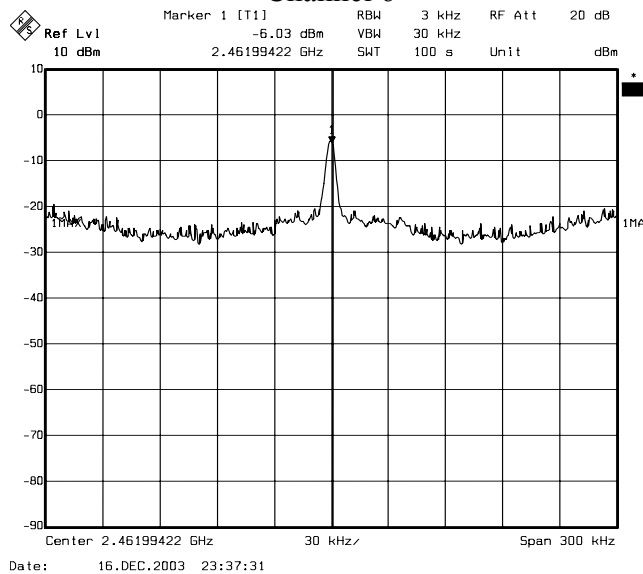
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Channel 1



Channel 6



Channel 11

Note: For 802.11g Mode



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7. OUT OF BAND MEASUREMENT

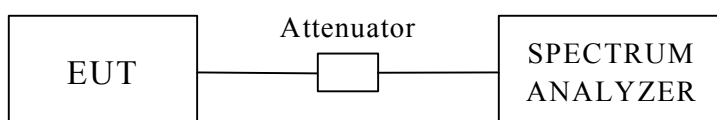
7.1 Test Equipments

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration
ROHDE & SCHWARZ SPECTRUM ANALYZER	FSEK30	835253/002	JUN. 17, 2003
HP ATTENUATOR	8496B	3247A18505	Cal. on use
HP PLOTTER	7750A	725A 852141	N/A

Note :

1. The measurement uncertainty is less than $\pm 2.6\text{dB}$, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

7.2 Test Setup



7.3 Limits of Out of Band Emissions Measurement

1. Below -20dB of the highest emission level of operating band (in 100KHz Resolution Bandwidth).
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

7.4 Test Procedure

The transmitter output was connected to the spectrum analyzer via a low loss cable. Set both RBW and VBW of spectrum analyzer to with suitable frequency span including 100KHz bandwidth from band edge. The band edges was measured and recorded.

7.5 Uncertainty of Conducted Emission

The uncertainty of conducted emission is $\pm 1.82\text{dB}$.

7.6 Test Results

A. Conducted

Refer to 7.7 photo of out band Emission measurement

B. Radiated

For Antenna (1) 802.11b Mode

Refer to the section 3.6, the measured radiated band edge emissions are listed below :

Input Power (System)	12VDC (Form Power Adapter)	Environmental Conditions	33.4°C, 43%RH
Tested By	Y. H. Liu		

Band edge Frequency (MHz)	Measured radiated band edge field strength (dBuV/m)		Radiated band edge field strength limit (dBuV/m)		Test result
	Horizontal	Vertical	Horizontal	Vertical	
* 2399.97	45.98 (PK) 35.65 (AV)	60.20 (PK) 53.68 (AV)	65.27 (PK) 54.68 (AV)	79.49 (PK) 72.71 (AV)	PASS
** 2483.65	29.85 (PK) 14.56(AV)	45.83 (PK) 34.63 (AV)	74.00 (PK) 54.00 (AV)	74.00 (PK) 54.00 (AV)	PASS

- NOTE : 1. Remark “*” means that Radiated front band edge field strength is measured with FCC recommended mark-delta method.
Measured radiated band edge field strength Test Results = Radiated fundamental emission field strength — DELTA.
DELTA = Relative measurement between conducted measured peak level of fundamental emission and relevant band edge emission. Please refer to 7.7 photo of out of Band Measurement.
2. Remark “**” means that Radiated rear band edge field strength is measured with measurement procedure ANSI C63.4-2001.

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For Antenna (1) 802.11g Mode

Refer to the section 3.6, the measured radiated band edge emissions are listed below :

Input Power (System)	12VDC (Form Power Adapter)	Environmental Conditions	33.4°C , 43%RH
Tested By	Y. H. Liu		

Band edge Frequency (MHz)	Measured radiated band edge field strength (dBuV/m)		Radiated band edge field strength limit (dBuV/m)		Test result
	Horizontal	Vertical	Horizontal	Vertical	
* 2399.97	54.70 (PK) 44.60 (AV)	69.26 (PK) 62.91 (AV)	64.61 (PK) 55.12 (AV)	79.17 (PK) 73.43 (AV)	PASS
** 2483.65	56.05 (PK) 32.19 (AV)	68.05 (PK) 48.97 (AV)	74.00 (PK) 54.00 (AV)	74.00 (PK) 54.00 (AV)	PASS

- NOTE : 1. Remark “*” means that Radiated front band edge field strength is measured with FCC recommended mark-delta method.
Measured radiated band edge field strength Test Results = Radiated fundamental emission field strength — DELTA.
DELTA = Relative measurement between conducted measured peak level of fundamental emission and relevant band edge emission. Please refer to 7.7 photo of out of Band Measurement.
2. Remark “**” means that Radiated rear band edge field strength is measured with measurement procedure ANSI C63.4-2001.

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For Antenna (2) 802.11b Mode

Refer to the section 3.6, the measured radiated band edge emissions are listed below :

Input Power (System)	12VDC (Form Power Adapter)	Environmental Conditions	33.4°C, 43%RH
Tested By	Y. H. Liu		

Band edge Frequency (MHz)	Measured radiated band edge field strength (dBuV/m)		Radiated band edge field strength limit (dBuV/m)		Test result
	Horizontal	Vertical	Horizontal	Vertical	
* 2399.97	38.81 (PK) 29.78 (AV)	58.22 (PK) 50.71 (AV)	58.10 (PK) 48.81 (AV)	77.51 (PK) 69.74 (AV)	PASS
** 2483.65	27.29 (PK) 11.68 (AV)	46.77 (PK) 32.31 (AV)	74.00 (PK) 54.00 (AV)	74.00 (PK) 54.00 (AV)	PASS

- NOTE : 1. Remark “*” means that Radiated front band edge field strength is measured with FCC recommended mark-delta method.
Measured radiated band edge field strength Test Results = Radiated fundamental emission field strength — DELTA.
DELTA = Relative measurement between conducted measured peak level of fundamental emission and relevant band edge emission. Please refer to 7.7 photo of out of Band Measurement.
2. Remark “**” means that Radiated rear band edge field strength is measured with measurement procedure ANSI C63.4-2001.

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For Antenna (2) 802.11g Mode

Refer to the section 3.6, the measured radiated band edge emissions are listed below :

Input Power (System)	12VDC (Form Power Adapter)	Environmental Conditions	33.4°C, 43%RH
Tested By	Y. H. Liu		

Band edge Frequency (MHz)	Measured radiated band edge field strength (dBuV/m)		Radiated band edge field strength limit (dBuV/m)		Test result
	Horizontal	Vertical	Horizontal	Vertical	
* 2399.97	55.06 (PK) 44.60 (AV)	66.33 (PK) 58.90 (AV)	64.97 (PK) 55.12 (AV)	76.24 (PK) 69.42 (AV)	PASS
** 2483.65	53.13 (PK) 29.63 (AV)	68.33 (PK) 44.64 (AV)	74.00 (PK) 54.00 (AV)	74.00 (PK) 54.00 (AV)	PASS

- NOTE : 1. Remark “*” means that Radiated front band edge field strength is measured with FCC recommended mark-delta method.
Measured radiated band edge field strength Test Results = Radiated fundamental emission field strength — DELTA.
DELTA = Relative measurement between conducted measured peak level of fundamental emission and relevant band edge emission. Please refer to 7.7 photo of out of Band Measurement.
2. Remark “**” means that Radiated rear band edge field strength is measured with measurement procedure ANSI C63.4-2001.

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For Antenna (3) 802.11b Mode

Refer to the section 3.6, the measured radiated band edge emissions are listed below :

Input Power (System)	12VDC (Form Power Adapter)	Environmental Conditions	33.4°C, 43%RH
Tested By	Y. H. Liu		

Band edge Frequency (MHz)	Measured radiated band edge field strength (dBuV/m)		Radiated band edge field strength limit (dBuV/m)		Test result
	Horizontal	Vertical	Horizontal	Vertical	
* 2399.97	43.94 (PK) 35.71 (AV)	60.85 (PK) 51.33 (AV)	63.23 (PK) 54.74 (AV)	80.14 (PK) 70.36 (AV)	PASS
** 2483.65	29.46 (PK) 15.50 (AV)	47.16 (PK) 33.07 (AV)	74.00 (PK) 54.00 (AV)	74.00 (PK) 54.00 (AV)	PASS

- NOTE : 1. Remark “*” means that Radiated front band edge field strength is measured with FCC recommended mark-delta method.
Measured radiated band edge field strength Test Results = Radiated fundamental emission field strength — DELTA.
DELTA = Relative measurement between conducted measured peak level of fundamental emission and relevant band edge emission. Please refer to 7.7 photo of out of Band Measurement.
2. Remark “**” means that Radiated rear band edge field strength is measured with measurement procedure ANSI C63.4-2001.

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For Antenna (3) 802.11g Mode

Refer to the section 3.6, the measured radiated band edge emissions are listed below :

Input Power (System)	12VDC (Form Power Adapter)	Environmental Conditions	33.4°C, 43%RH
Tested By	Y. H. Liu		

Band edge Frequency (MHz)	Measured radiated band edge field strength (dBuV/m)		Radiated band edge field strength limit (dBuV/m)		Test result
	Horizontal	Vertical	Horizontal	Vertical	
* 2399.97	50.33 (PK) 41.21 (AV)	68.52 (PK) 57.71 (AV)	60.24 (PK) 51.73 (AV)	78.43 (PK) 68.23 (AV)	PASS
** 2483.65	48.65 (PK) 23.73 (AV)	65.63 (PK) 40.09 (AV)	74.00 (PK) 54.00 (AV)	74.00 (PK) 54.00 (AV)	PASS

- NOTE : 1. Remark “*” means that Radiated front band edge field strength is measured with FCC recommended mark-delta method.
Measured radiated band edge field strength Test Results = Radiated fundamental emission field strength — DELTA.
DELTA = Relative measurement between conducted measured peak level of fundamental emission and relevant band edge emission. Please refer to 7.7 photo of out of Band Measurement.
2. Remark “**” means that Radiated rear band edge field strength is measured with measurement procedure ANSI C63.4-2001.



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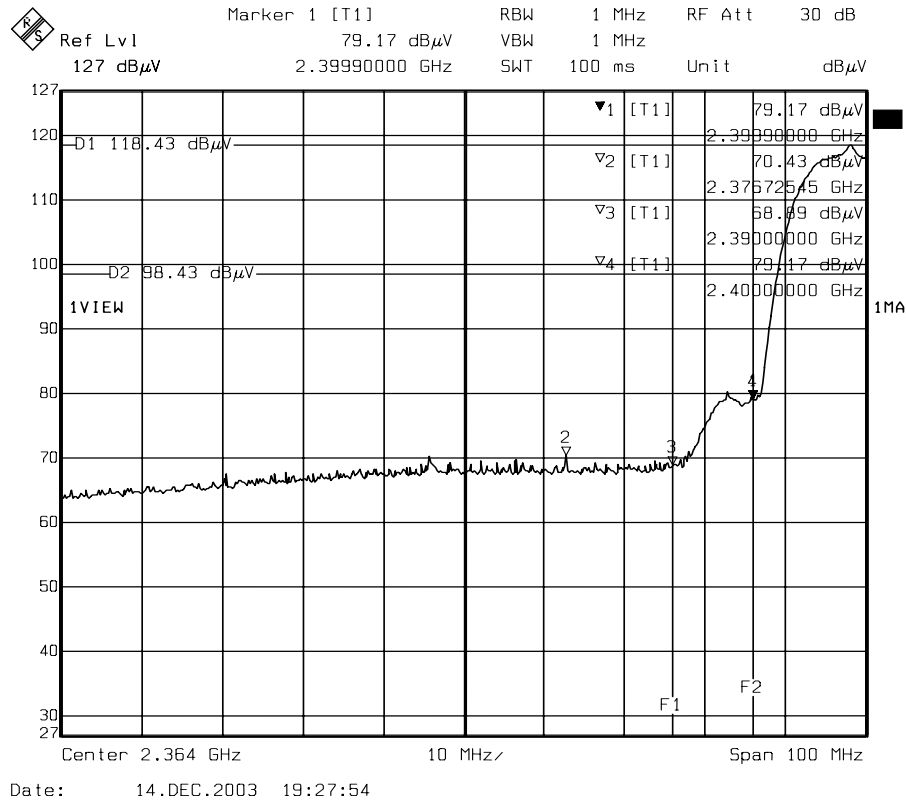
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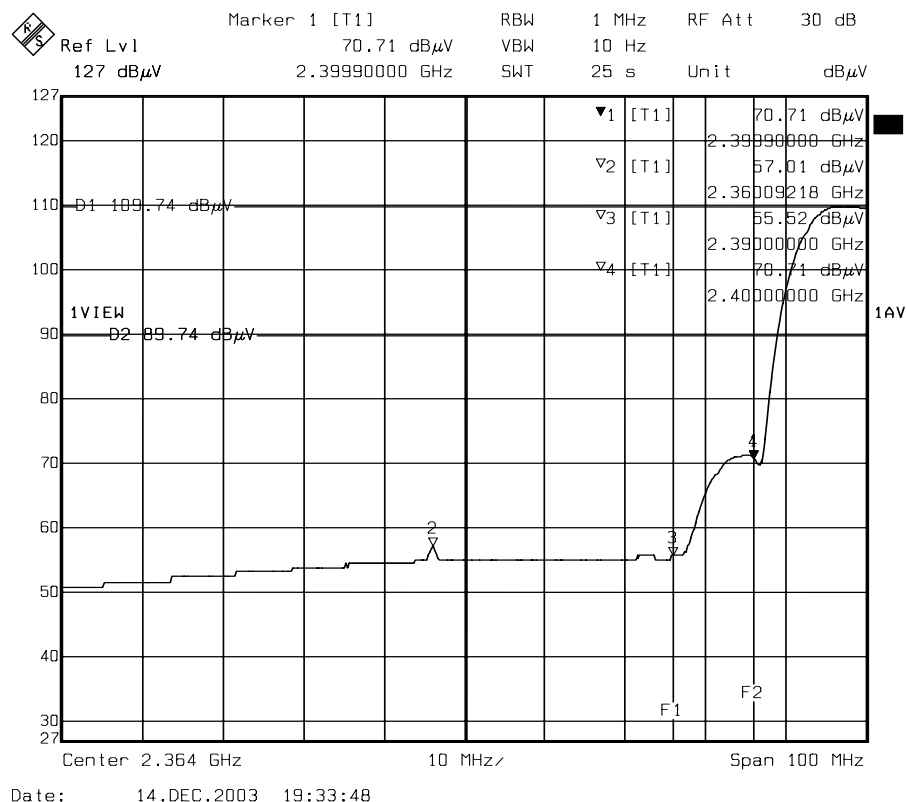
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7.7 Photo of Out of Band Measurement



Channel 1 PK



Channel 1 AVG
Note: For 802.11b Mode



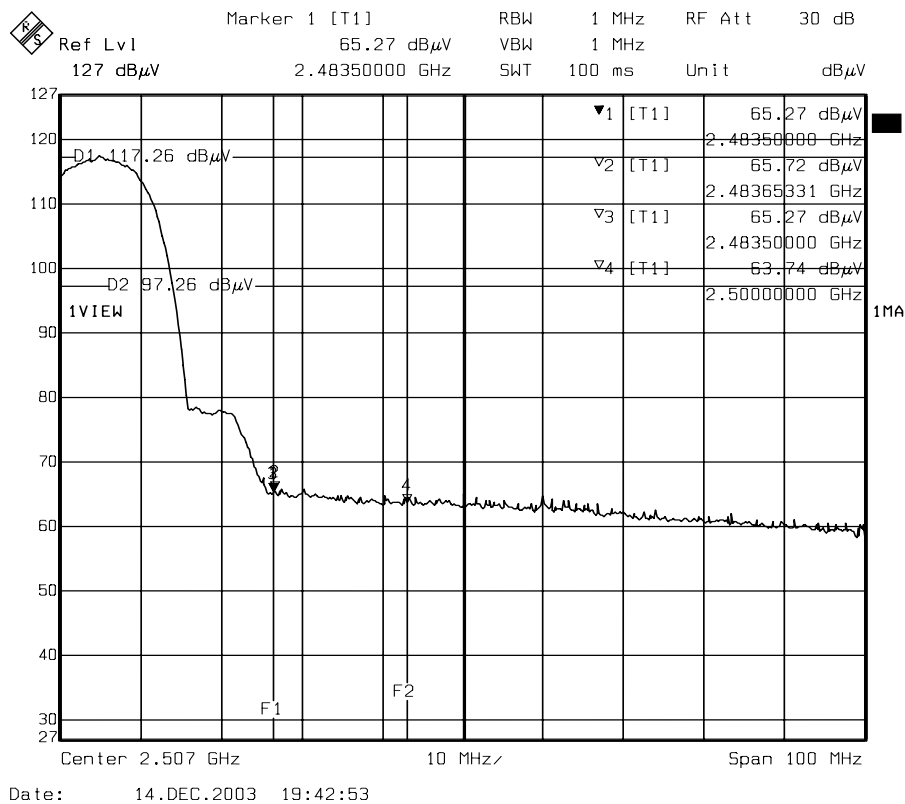
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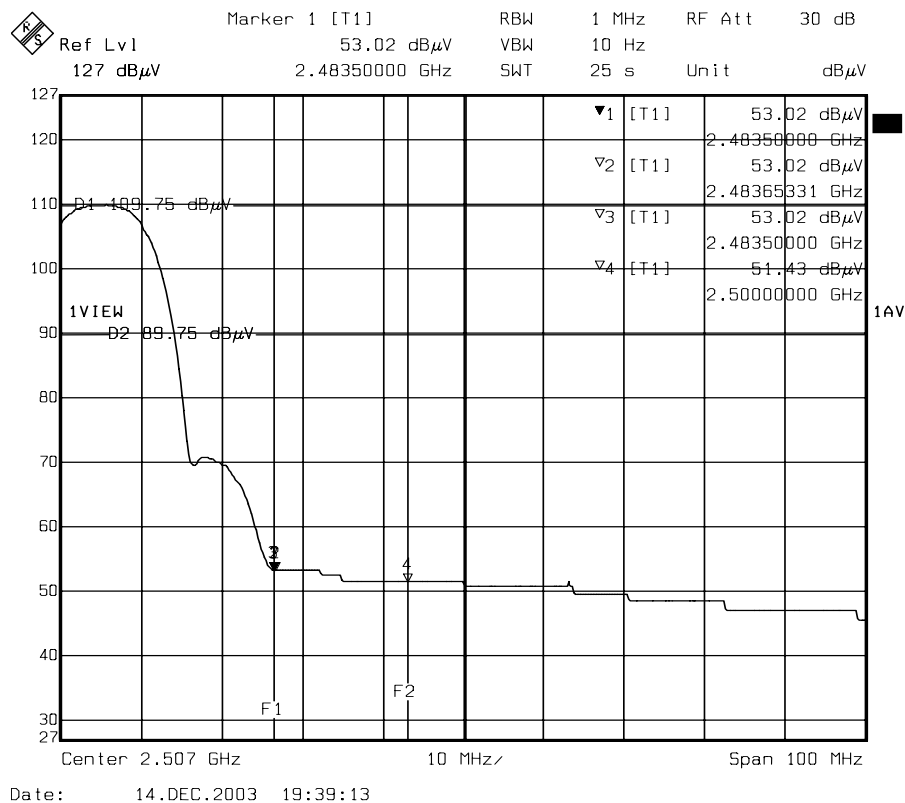
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Channel 11 PK



Channel 11 AVG

Note: For 802.11b Mode



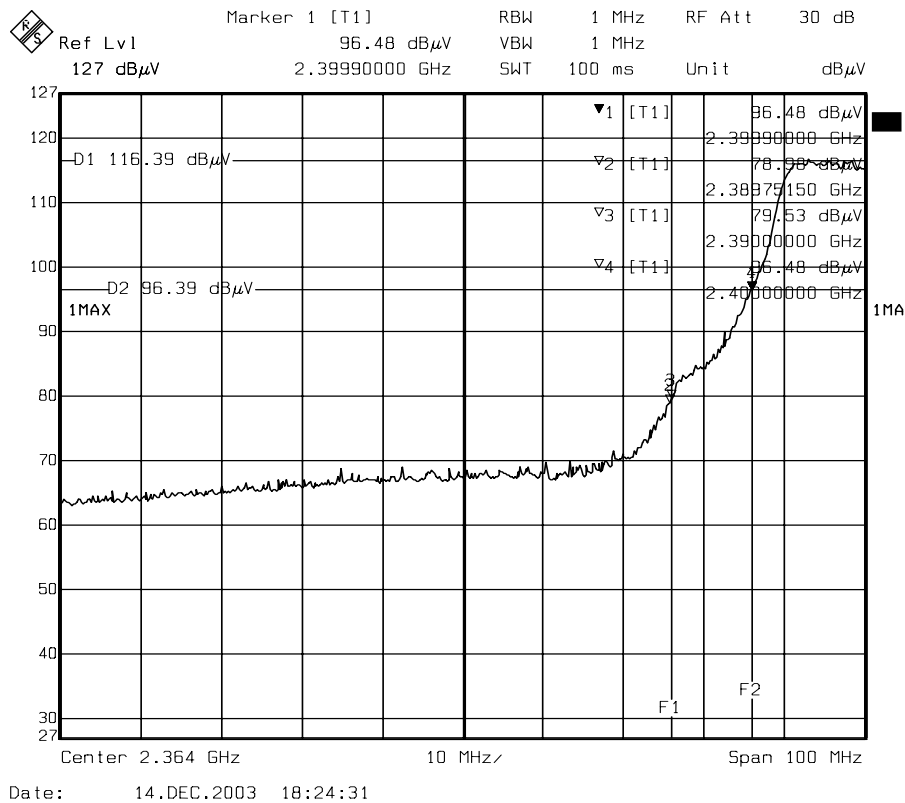
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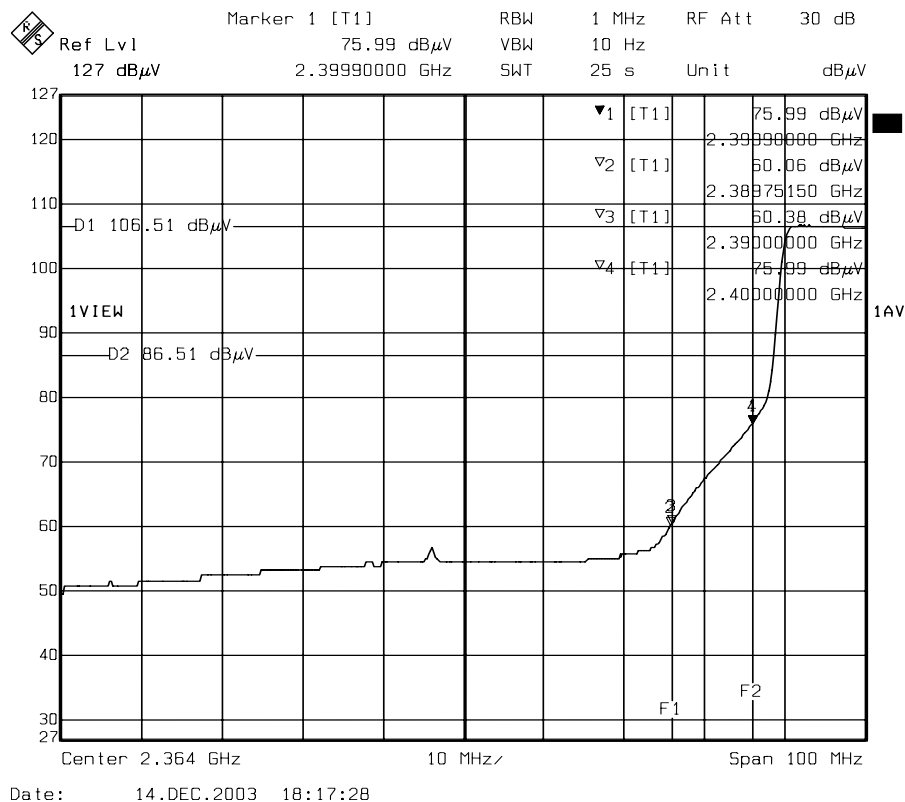
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Channel 1 PK



Channel 1AVG

Note: For 802.11g Mode)



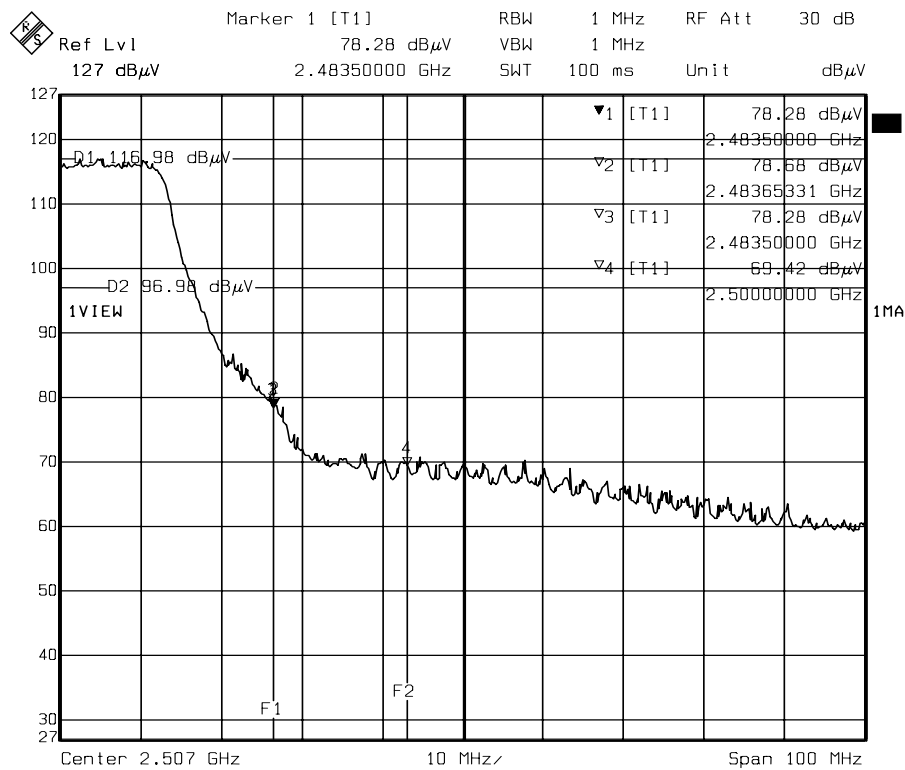
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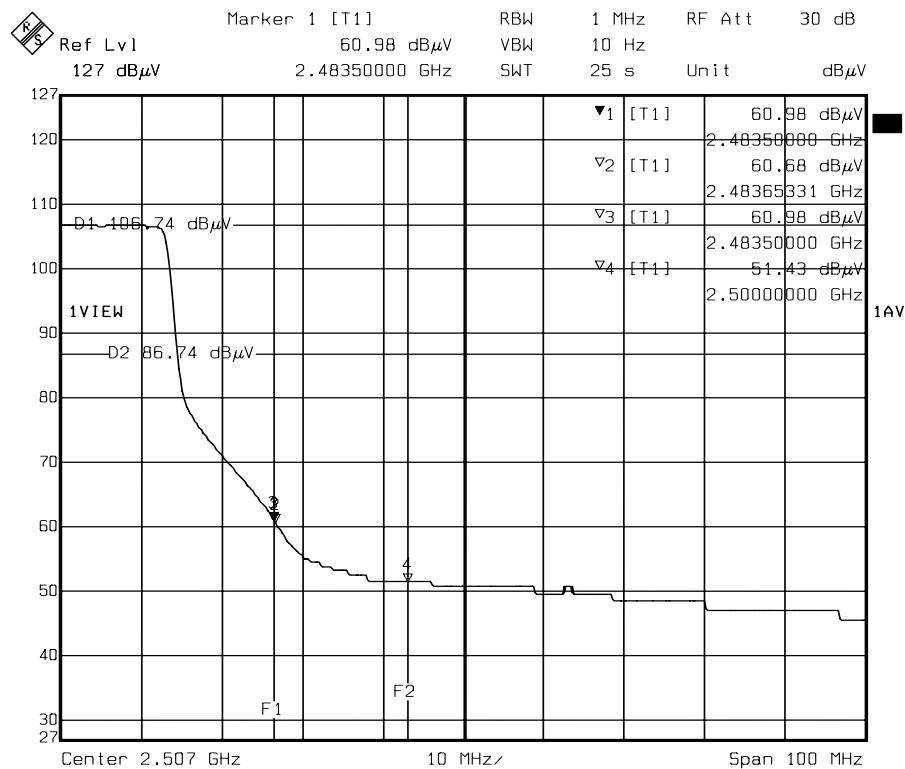
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Date: 14.DEC.2003 19:05:17

Channel 11 PK



Date: 14.DEC.2003 19:09:02

Channel 11 AVG

Note: For 802.11g Mode



8. ANTENNA REQUIREMENT

8.1 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.

8.2 Antenna Connected Construction

The antenna (1) used in this product is Ceiling stand ANT24O5 antenna. And the maximum Gain of the antenna is only 5dBi. The Antenna connector is reverse SMA connector.

The antenna (2) used in this product is omnidirectional stand ANT24P12 antenna. And the maximum Gain of the antenna is only 12dBi. The Antenna connector is special connector ; with a adapter near antenna connector is special N-type connector and near EUT is reverse SMA connector.

The antenna (3) used in this product is Patch stand ANT24D18 antenna. And the maximum Gain of the antenna is only 18dBi. The Antenna connector is special connector ; with a adapter near antenna connector is special N-type connector and near EUT is reverse SMA connector.



9. RF EXPOSURE EVALUATION

According to FCC 1.1310 : The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b) LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time
(A) Limits for Occupational / Control Exposures				
300-1,500	--	--	F/300	6
1,500-100,000	--	--	5	6
(B) Limits for General Population / Uncontrol Exposures				
300-1,500	--	--	F/1500	6
1,500-100,000	--	--	1	30

9.1 Friis Formula

Friis transmission formula : $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

9.2 EUT Operating Condition

A software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.



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9.3 Test Result of RF Exposure Evaluation

Test Item : RF Exposure Evaluation Data

Test Mode : Normal Operation

9.3.1 Maximum PEAK Output Power

Refer to 5.6 Maximum peak Output Power is : 19.21 dBm (for 802.11b mode CH6),
19.92 dBm (for 802.11g mode CH6)

9.3.2 Output Power into Antenna & RF Exposure Evaluation Distance

Outpower (max) (dBm)	Cable length to antenna (m)	Min Cable Loss (dB)	Input Power to Antenna (dBm)	Antenna Model	Antenna Type	Antenna Gain (dBi)	EIRP (dBm)	EIRP (Watts)	MPE Distance (cm)	Pd at 20cm (mW/cm ²)	Comments
19.21		0	19.21	ANT24P2	Omni	2	21.21	0.13213	3.24	0.026286	Minimum separation shall be 20cm
19.21		0	19.21	ANT24P3	Omni	3	22.21	0.166341	3.64	0.033092	Minimum separation shall be 20cm
19.21		0	19.21	ANT24P4	Omni	4	23.21	0.209411	4.08	0.041661	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT24S4	Omni Triband Stand	4	22.11	0.162555	3.60	0.032339	Minimum separation shall be 20cm
19.21		0	19.21	ANT24P5	Omni	5	24.21	0.263633	4.58	0.052448	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT24S5	Omni Stand	5	23.11	0.204644	4.04	0.040713	Minimum separation shall be 20cm
19.21		0	19.21	ANT24P7	Omni	7	26.21	0.41783	5.77	0.083125	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT24P93	Omni triband	9	27.11	0.514044	6.40	0.102266	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT2409	Omni	9	27.11	0.514044	6.40	0.102266	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT24P12	Omni	12	30.11	1.025652	9.03	0.204047	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT24P123	Omni triband	12	30.11	1.025652	9.03	0.204047	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT24O5	Ceiling	5	23.11	0.204644	4.04	0.040713	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT24D12	Patch	12	30.11	1.025652	9.03	0.204047	Minimum separation shall be 20cm
19.21	1.5	1.1	18.11	ANT24D18	Patch	18	36.11	4.083194	18.03	0.812326	Minimum separation shall be 20cm

Note : 1. For 802.11b Mode.

- The power density Pd (4th column) at a distance of 20cm calculated from the Friis transmission formula is far below the limit of 1 mW/cm². The EUT is classified as mobile product. So, RF exposure limit warning or SAR test are not required.

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Outpower (max) (dBm)	Cable length to antenna(m)	Min Cable Loss (dB)	Input Power to Antenna (dBm)	Antenna Model	Antenna Type	Antenna Gain (dBi)	EIRP (dBm)	EIRP (Watts)	MPE Distance(cm)	Pd at 20cm (mW/cm ²)	Comments
19.92		0	19.92	ANT24P2	Omni	2	21.92	0.155597	3.52	0.030955	Minimum separation shall be 20cm
19.92		0	19.92	ANT24P3	Omni	3	22.92	0.195884	3.95	0.03897	Minimum separation shall be 20cm
19.92		0	19.92	ANT24P4	Omni	4	23.92	0.246604	4.43	0.04906	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT24S4	Omni Triband Stand	4	22.82	0.191426	3.90	0.038083	Minimum separation shall be 20cm
19.92		0	19.92	ANT24P5	Omni	5	24.92	0.310456	4.97	0.061763	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT24S5	Omni Stand	5	23.82	0.240991	4.38	0.047944	Minimum separation shall be 20cm
19.92		0	19.92	ANT24P7	Omni	7	26.92	0.49204	6.26	0.097888	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT24P93	Omni triband	9	27.82	0.605341	6.94	0.120429	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT2409	Omni	9	27.82	0.605341	6.94	0.120429	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT24P12	Omni	12	30.82	1.207814	9.80	0.240287	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT24P123	Omni triband	12	30.82	1.207814	9.80	0.240287	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT24O5	Ceiling	5	23.82	0.240991	4.38	0.047944	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT24D12	Patch	12	30.82	1.207814	9.80	0.240287	Minimum separation shall be 20cm
19.92	1.5	1.1	18.82	ANT24D18	Patch	18	36.82	4.808393	19.56	0.956599	Minimum separation shall be 20cm

Note : 1. For 802.11g Mode.

2. The power density Pd (4th column) at a distance of 20cm calculated from the Friis transmission formula is far below the limit of 1 mW/cm². The EUT is classified as mobile product. So, RF exposure limit warning or SAR test are not required.