EMI TEST REPORT

Test Report No. : 25EE0208-HO-1

Applicant	:	**Nikon Corporation**
Type of Equipment	:	**Digital Camera**
Model No.	:	**COOLPIX P2**
Test standard	:	**FCC Part 15 Subpart C Section 15.207, Section 15.247: 2005**
FCC ID	:	**CGJCXP1**
Test Result	:	**Complied**

1. This test report shall not be reproduced in full or partial, without the written approval of UL Apex Co., Ltd.
2. The results in this report apply only to the sample tested.
3. This equipment is in compliance with the above regulation. We hereby certify that the data contain a true representation of the EMC profile.
4. The test results in this report are traceable to the national or international standards.

Date of test: May 23 to 26, 2005

Tested by:

Yutaka Yoshida
EMC Service

Norihisa Hashimoto
EMC Service

Approved by :

Hironobu Shimoji
Group Leader of
EMC Service

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SECTION 1: Client information

Company Name	:	Nikon Corporation
Address	:	6-3, Nishi-ohi 1-chome, Shinagawa-ku, Tokyo 140-8601, Japan
Telephone Number	:	+81-3-3773-8395
Facsimile Number	:	+81-3-3773-8112
Contact Person	:	Kenji Ishizuki

SECTION 2: Equipment under test (E.U.T.)

2.1 Identification of E.U.T.

Type of Equipment	:	Digital Camera
Model No.	:	COOLPIX P2
Serial No.	:	8851 1030 8851 1064
Rating	:	DC3.7V (Battery) DC 4.2V (AC adapter: AC100-240V 50/60Hz)
Country of Manufacture	:	JAPAN, CHINA, INDONESIA
Receipt Date of Sample	:	May 23, 2005
Condition of EUT	:	Production prototype (Not for Sale: This sample is equivalent to mass-produced items.)

2.2 Product Description

Model No: COOLPIX P2 (referred to as the EUT in this report) is a digital camera and has the series model COOLPIX P1. The differences between COOLPIX P1 and COOLPIX P2 are only type of CCD, number of pixels, and an appearance color.

Clock frequency in the system		<COOLPIX P2> ASIC: 90.000MHz, SDRAM: 45.000MHz/90.000MHz, CCD: 27.000MHz, LCD: 9.000MHz, 8 bit CPU: 32.768MHz / 4.000MHz, DC-DC converter: 0.500MHz, Wireless LAN XO: 40.000MHz <COOLPIX P1> ASIC: 90.000MHz, SDRAM: 45.000MHz/90.000MHz, CCD: 33.750MHz, LCD: 9.000MHz, 8 bit CPU: 32.768MHz / 4.000MHz, DC-DC converter: 0.500MHz, Wireless LAN XO: 40.000MHz
Feature of EUT		Transmiting and receiving the image data using a Wireless LAN function.
Equipment Type		Transceiver
Frequency band	**Lower limit**	2400MHz
	Upper limit	2483.5MHz
Frequency of Operation		2412-2462MHz
Bandwidth & Channel spacing		BW:20MHz, CS:5MHz
Type of Modulation		DSSS / OFDM
Antenna Type		Chip Directric Antenna
Antenna Connector Type		-
Antenna Gain		Less than 2.1 dBi
Mode of Operation		Simplex
ITU code		G1D/ D1D
Power Supply		DC 3.3V (inner)

FCC 15.31 (e)
This EUT provides stable voltage (DC3.7V (Battery) or DC4.2V (AC Adaptor)) from Host, and it is constantly converted into and provided with DC3.3V for the Operational voltage within RF Module regardless of input voltage. Therefore, this EUT complies with the requirement.

FCC Part 15.203 Antenna requirement
It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT. Therefore, the equipment complies with the antenna requirement of Section 15.203.

SECTION 3: Test specification, procedures & results

3.1 Test Specification

Test Specification	:	FCC Part15 Subpart C : 2005
Title	:	FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators Section 15.207 Conducted limits : 2005 Section 15.247 Operation within the bands 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz : 2005

3.2 Procedures and results

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst margin	Results
1	Conducted emission	ANSI C63.4:2003 7. AC powerline conducted emission measurements	Section 15.207	-	N/A	10.5dB 0.2069MHz, L, AV	Complied
2	6dB Bandwidth	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247(a)(2)	Conducted	N/A	*See data	Complied
3	Maximum Peak Output Power	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247(b)(3)	Conducted	N/A		Complied
4	Spurious Emission	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247 (d)	Conducted/ Radiated	N/A	8.3dB 2400.0MHz	Complied
5	Restricted Band Edges	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247 (d)	Conducted	N/A	*See data	Complied
6	Power Density	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247 (e)	Conducted	N/A		Complied

Note: UL Apex's EMI Work Procedures No.QPM05.

Uncertainty:

*In case of the margin below the EMC Head Office's uncertainty, the data listed in this report meets the limits unless the uncertainty is into consideration.

Conducted Emission

The measurement uncertainty (with a 95% confidence level) for this test is ±1.3dB.

Spurious Emission (Radiated)

The measurement uncertainty (with a 95% confidence level) for this test using Biconical antenna is ±4.5dB(3m)/ ±4.7dB(10m).

The measurement uncertainty (with a 95% confidence level) for this test using Logperiodic antenna is ±5.2dB(3m)/ ±3.8dB(10m).

The measurement uncertainty (with a 95% confidence level) for this test using Horn antenna is ±6.6dB.

Other test except Conducted Emission and Spurious Emission (Radiated)

The measurement uncertainty (with a 95% confidence level) for this test is ±3.0dB.

*These tests were also referred to "Guidance on Measurement for Digital Transmission Systems Section15.247".

*These tests were performed without any deviations from test procedure except for additions or exclusions.

3.3 Addition to standards

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst margin	Results
1	99% Occupied Band Width	RSS-210(issue 5): 2001 + Amendment:2002 + Amendment2:2003 + Amendment3:2004 + Amendment4: 2004	RSS-210(issue 5): 2001 + Amendment:2002 + Amendment2:2003 + Amendment3:2004 + Amendment4: 2004	Conducted	N/A	N/A	N/A

3.4 Additions or de viations to standards

No addition, deviation, nor exclusion has been made from standards.

3.5 Test Location

UL Apex Co., Ltd. Head Office EMC Lab. *NVLAP Lab. code: 200572-0
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

	FCC Registration Number	IC Registration Number	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Other rooms
No.1 semi-anechoic chamber	313583	IC4247	19.2 x 11.2 x 7.7m	7.0 x 6.0m	Preparation room
No.2 semi-anechoic chamber	846015	IC4247-2	7.5 x 5.8 x 5.2m	4.0 x 4.0m	-
No.3 shielded room	-	-	4.7 x 7.5 x 2.7m	4.7 x 7.5m	-
No.4 measurement room	-	-	3.1 x 5.0 x 2.7m	N/A	-

* Size of vertical conducting plane (for Conducted Emission test) : 2.0 x 2.0m for No.1 and No.2 semi-anechoic and No.3 shielded room.

3.6 Test set up, Test instruments and Data of EMI

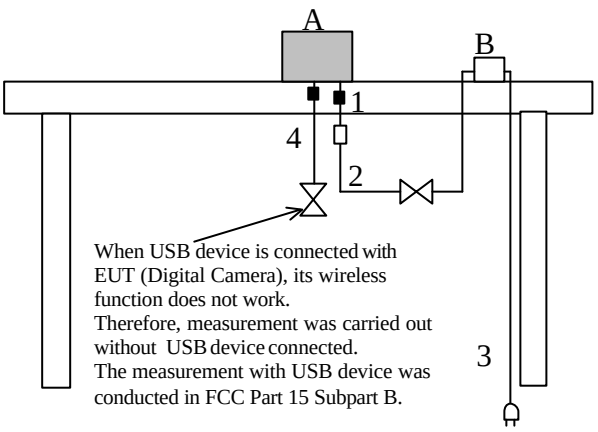
Refer to APPENDIX 1 to 3.

SECTION 4: Operation of E.U.T. during testing

4.1 Operating Modes

The mode is used : IEEE802.11b Transmitting mode(CCK 11Mbps)
Low Channel :2412MHz(Ch1)
Mid Channel :2437MHz(Ch6)
High channel :2462MHz(Ch11)
IEEE802.11g Transmitting mode(OFDM 54Mbps)
Low Channel :2412MHz(Ch1)
Mid Channel :2437MHz(Ch6)
High channel :2462MHz(Ch 11)

4.2 Configuration and peripherals



■ :Ferrite Core
(Standard attachment of EUT)

* Cabling was taken into consideration and test data was taken under worse case conditions.

Description of EUT and Support equipment

No.	Item	Model number	Serial number	Manufacturer	FCC ID	Remark
A	Digital Camera	COOLPIX P2	8851 1030 *1) 8851 1064 *2)	SANYO	CGJCXP1	EUT
B	AC adapter	EH-62C	-	Nikon	-	-

*1) Used for radiated emission and AC main conducted emission
*2) Used for other tests.

List of cables used

No.	Name	Length (m)	Shield	Backshell Material
1	DC Cable	0.25	N	Polyester
2	DC Cable	1.75	N	Polyvinyl chloride
3	AC Cable	2.0	N	Polyvinyl chloride
4	USB Cable	1.5	N	Polyvinyl chloride

SECTION 5: Conducted Emission

Test Procedure and conditions

EUT was placed on a platform of nominal size, 1m by 0.5m, raised 80cm above the conducting ground plane.
The rear of tabletop was located 40cm to the vertical conducting plane. The rear of EUT, including peripherals aligned and flushed with rear of tabletop. All other surfaces of tabletop were at least 80cm from any other grounded conducting surface. EUT was located 80cm from a Line Impedance Stabilization Network (LISN)/ Artificial mains Network (AMN) and excess AC cable was bundled in center.

1) For the tests on EUT with other peripherals (as a whole system)
I/O cable and AC cables that were connected to the peripherals were bundled in center. They were folded back and forth forming a bundle 30cm to 40cm long and were hanged at a 40cm height to the ground plane.

2) For the tests on EUT itself (as a stand alone equipment)
Each EUT current-carrying power lead, except the ground (safety) lead, was individually connected through a LISN /(AMN) to the input power source. All unused 50ohm connectors of the LISN(AMN) were resistivity terminated in 50ohm when not connected to the measuring equipment.

The AC Mains Terminal Continuous disturbance Voltage has been measured with the EUT in a Semi Anechoic Chamber or a Measurement Room.
The EUT was connected to a LISN (AMN).
An overview sweep with peak detection has been performed.

Detector : CISPR quasi-peak and average detector (IF BW 9 kHz)
Measurement range : 0.15-30MHz
Test data : APPENDIX 3
Test result : Pass

SECTION 6: Spurious Emission

[Conducted]

Test Procedure
The Out of Band Emission was measured with a spectrum analyzer connected to the antenna port.

Test data **: APPENDIX 3**
Test result **: Pass**

[Radiated]

Test Procedure
EUT was placed on a platform of nominal size, 1m by 0.5m, raised 80cm above the conducting ground plane.
The Radiated Electric Field Strength intensity has been measured in a Semi Anechoic Chamber with a ground plane and at a distance of 3m(Below 10GHz) and 1m(Upper 10GHz).
The height of the measuring varied between 1 and 4m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity.
The measurements were performed for both vertical and horizontal antenna polarization with the Test Receiver, or the Spectrum Analyzer (in linear mode).
The test was made with the detector (RBW/VBW) in the following table.
When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator confirmed 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on a radiated measurement.

20dBc was applied to the frequency over the limit of FCC 15.209 and outside the restricted band of 15.205.

Frequency	Below 1GHz	Above 1GHz
Instrument used	Test Receiver / Spectrum Analyzer	Spectrum Analyzer
Detector IF Bandwidth	QP: BW 120kHz(T/R) 20dBc : RBW: 100kHz VBW: 300kHz (S/A)	PK: RBW:1MHz/VBW: 1MHz AV: RBW:1MHz/VBW:10Hz 20dBc : RBW:100kHz/VBW:300kHz

- The carrier level and noise levels were confirmed at each position of X, Y and Z axes of EUT to see the position of maximum noise, and the test was made at the position that has the maximum noise.

Test data **: APPENDIX 3**
Test result **: Pass**

SECTION 7: -6dB Bandwidth

Test Procedure

The bandwidth was measured with a spectrum analyzer connected to the antenna port.

Test data : **APPENDIX 3**
Test result : **Pass**

SECTION 8: Maximum Peak Output Power

Test Procedure
The test was made with the spectrum analyzer that has a function of channel-power measurements.
The Maximum Peak Output Power was measured with a spectrum analyzer connected to the antenna port.

Test data : **APPENDIX 3**
Test result : **Pass**

SECTION 9: Peak Power Density

[Conducted]
Test Procedure
The Peak Power Density was measured with a spectrum analyzer connected to the antenna port.

Test data : **APPENDIX 3**
Test result : **Pass**

APPENDIX 1: Photographs of test setup

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This page has been submitted for a separate exhibit.

APPENDIX 2:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2005/04/11 * 12
MRENT-14	Spectrum Analyzer	Advantest	R3273	RE/CE	2005/02/21 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2005/02/05 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2005/01/10 * 12
MCC-04	Microwave Cable 1G-50GHz	Storm	421-011 (90-1394-079)	RE	2005/01/05 * 12
MCC-19	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2005/02/03 * 12
MHF-02	High Pass Filter	Tokimec	TF323DCA	RE	2004/09/18 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2005/01/10 * 12
MLS-06 MCC-03	LISN(AMN) Coaxial Cable	Schwarzbeck Fujikura/Suhner/Agilent/TSJ	NSLK8127 -	CE CE	2005/02/04 * 12 2004/12/24 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE/CE	2005/02/02 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2005/02/24 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2004/12/16 * 12
MPA-06	Pre Amplifier	Hewlett Packard	8447D	RE	2004/08/29 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2004/10/14 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2004/10/14 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	1-6	2005/05/19 * 12
MAT-22	Attenuator(10dB)(above1GHz)	Orient Microwave	BX10-0476-00	1-6	2005/03/16 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:

CE: AC Main Conducted emission,
RE: Radiated Spurious emission,
1: -6dB Bandwidth
2: Peak Power Density
3: 99% OBW
4: Maximum Peak Output Power
5: Band Edge Compliance
6: Antenna Terminal Conducted Spurious Emission

APPENDIX 3: Data of EMI test

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

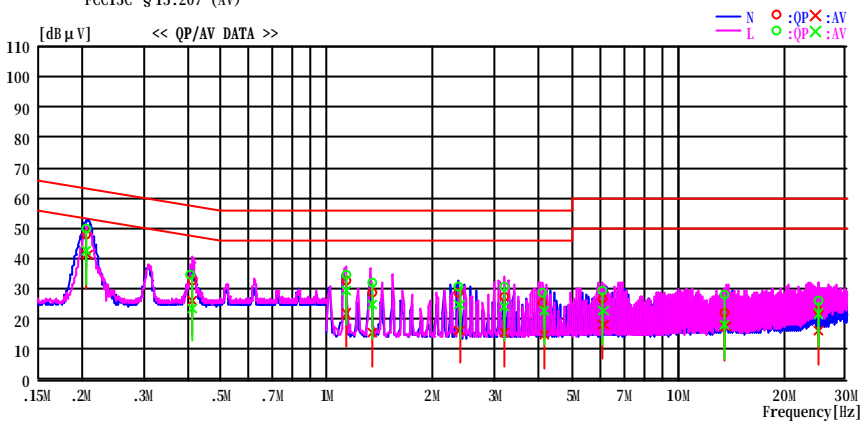
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24 15:03:40

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX P2
Serial No. : 8851 1030

Report No. : 25EE0208-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 23deg.C / 49%
Operator : Yutaka Yoshida

Mode / Remarks : IEEE802.11b 2412MHz Continuous Transmitting / 11Mbps

LIMIT : FCC15C §15.207 (QP)
FCC15C §15.207 (AV)



NO	FREQ	READING QP	READING AV	C.F	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBμV]	[dBμV]	[dB]	[dBμV]	[dBμV]	[dBμV]	[dBμV]	[dB]	[dB]	
1	0.2078	47.7	41.2	0.1	47.8	41.3	63.3	53.3	15.5	12.0	N
2	0.4141	32.6	26.0	0.1	32.7	26.1	57.6	47.6	24.9	21.5	N
3	1.1368	31.9	21.6	0.3	32.2	21.9	56.0	46.0	23.8	24.1	N
4	1.3461	28.0	14.9	0.4	28.4	15.3	56.0	46.0	27.6	30.7	N
5	2.3768	27.7	16.0	0.5	28.2	16.5	56.0	46.0	27.8	29.5	N
6	3.2018	26.4	15.3	0.5	26.9	15.8	56.0	46.0	29.1	30.2	N
7	4.1320	24.6	14.4	0.7	25.3	15.1	56.0	46.0	30.7	30.9	N
8	6.0958	25.4	17.4	0.8	26.2	18.2	60.0	50.0	33.8	31.8	N
9	13.5395	20.4	16.2	1.4	21.8	17.6	60.0	50.0	38.2	32.4	N
10	25.0104	20.4	14.3	2.0	22.4	16.3	60.0	50.0	37.6	33.7	N
11	0.2069	49.2	42.7	0.1	49.3	42.8	63.3	53.3	14.0	10.5	L
12	0.4128	34.3	23.6	0.1	34.4	23.7	57.6	47.6	23.2	23.9	L
13	1.1355	34.1	28.9	0.3	34.4	29.2	56.0	46.0	21.6	16.8	L
14	1.3448	31.6	24.5	0.4	32.0	24.9	56.0	46.0	24.0	21.1	L
15	2.3757	30.1	24.1	0.5	30.6	24.6	56.0	46.0	25.4	21.4	L
16	3.2019	30.1	23.7	0.5	30.6	24.2	56.0	46.0	25.4	21.8	L
17	4.1318	28.0	21.9	0.7	28.7	22.6	56.0	46.0	27.3	23.4	L
18	6.0954	28.2	22.2	0.8	29.0	23.0	60.0	50.0	31.0	27.0	L
19	13.5248	26.5	16.9	1.4	27.9	18.3	60.0	50.0	32.1	31.7	L
20	24.9872	23.7	19.8	2.0	25.7	21.8	60.0	50.0	34.3	28.2	L

CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

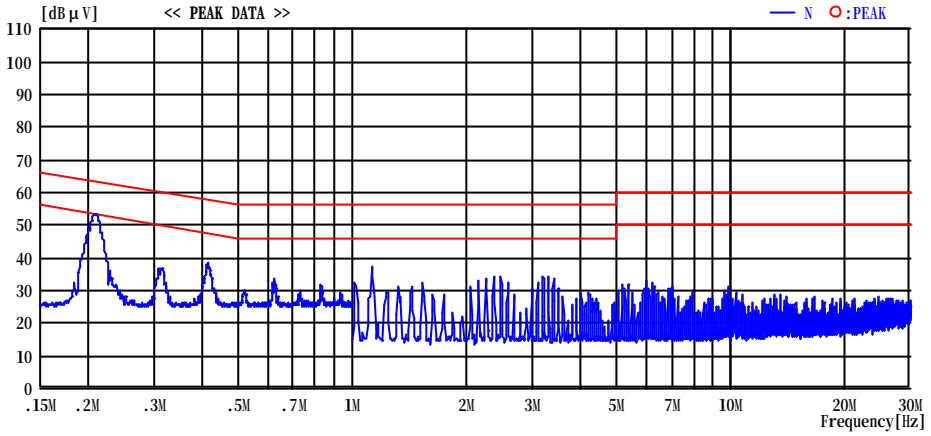
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24 15:40:13

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz
Model No.	: COOLPIX P2	Temp°C/Humi%	: 23deg.C / 49%
Serial No.	: 8851 1030	Operator	: Yutaka Yoshida

Mode / Remarks : IEEE802.11b 2437MHz Continuous Transmitting / 11Mbps

LIMIT : FCC15C §15.207 (QP)
FCC15C §15.207 (AV)



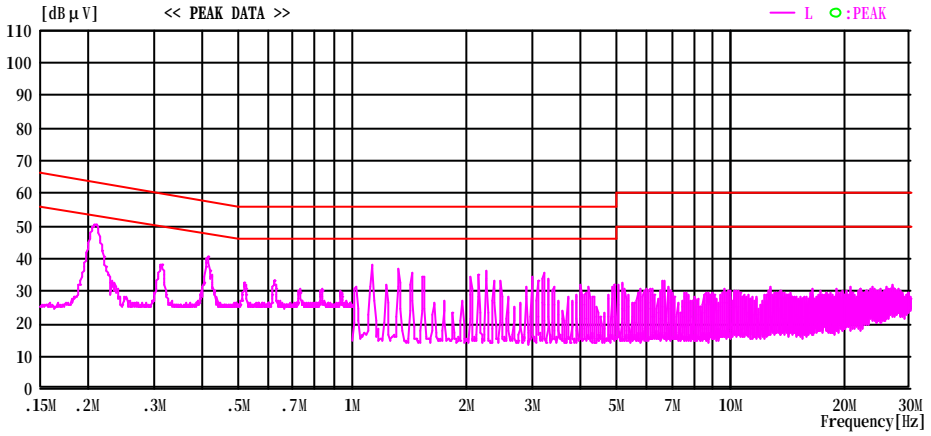


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

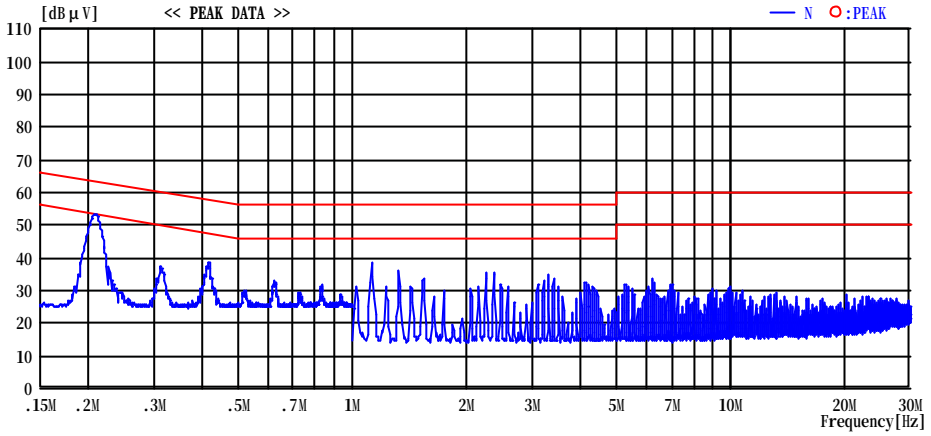
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24 15:47:33

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz
Model No.	: COOLPIX P2	Temp°C/Humi%	: 23deg.C / 49%
Serial No.	: 8851 1030	Operator	: Yutaka Yoshida

Mode / Remarks : IEEE802.11b 2462MHz Continuous Transmitting / 11Mbps

LIMIT : FCC15C §15.207 (QP)
FCC15C §15.207 (AV)



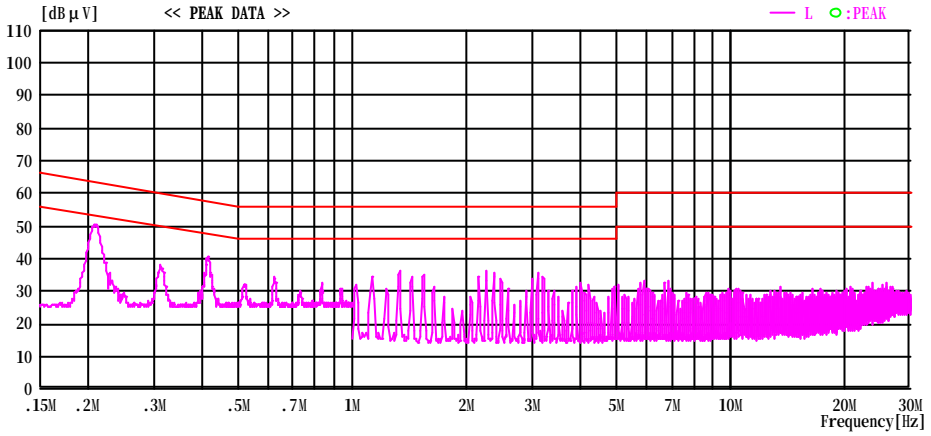


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

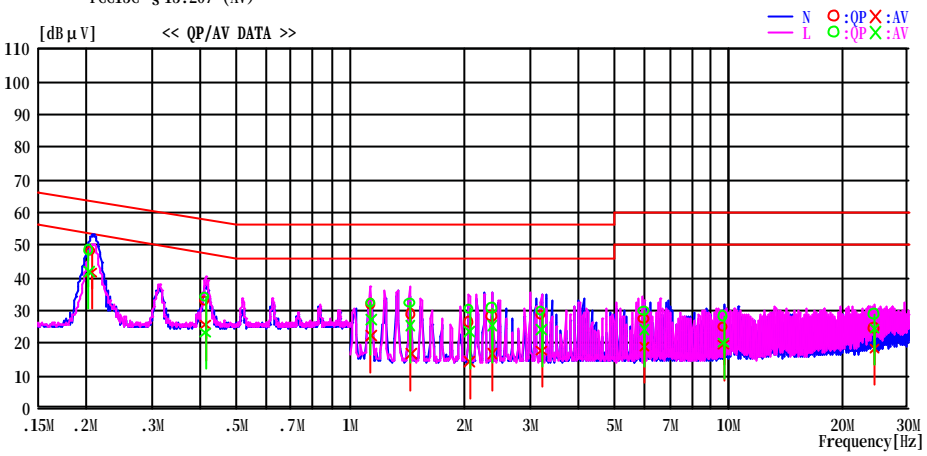
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24 15:57:19

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX P2
Serial No. : 8851 1030

Report No. : 25EE0208-HO
Power : AC120V / 60Hz
Temp°C/Humi% : 23deg.C / 49%
Operator : Yutaka Yoshida

Mode / Remarks : IEEE802.11g 2412MHz Continuous Transmitting / 54Mbps

LIMIT : FCC15C §15.207 (QP)
FCC15C §15.207 (AV)



NO	FREQ	READING QP	READING AV	C.F	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBµV]	[dBµV]	[dB]	[dBµV]	[dBµV]	[dBµV]	[dBµV]	[dB]	[dB]	
1	0.2073	47.8	41.4	0.1	47.9	41.5	63.3	53.3	15.4	11.8	N
2	0.4151	32.6	25.6	0.1	32.7	25.7	57.5	47.5	24.8	21.8	N
3	1.1383	31.6	22.0	0.3	31.9	22.3	56.0	46.0	24.1	23.7	N
4	1.4511	28.4	16.4	0.4	28.8	16.8	56.0	46.0	27.2	29.2	N
5	2.0715	25.6	13.8	0.5	26.1	14.3	56.0	46.0	29.9	31.7	N
6	2.3835	27.5	16.2	0.5	28.0	16.7	56.0	46.0	28.0	29.3	N
7	3.2100	27.9	17.2	0.5	28.4	17.7	56.0	46.0	27.6	28.3	N
8	6.0048	26.4	18.2	0.8	27.2	19.0	60.0	50.0	32.8	31.0	N
9	9.7309	23.5	18.2	1.2	24.7	19.4	60.0	50.0	35.3	30.6	N
10	24.3251	22.3	16.3	2.0	24.3	18.3	60.0	50.0	35.7	31.7	N
11	0.2046	48.2	41.8	0.1	48.3	41.9	63.4	53.4	15.1	11.5	L
12	0.4153	33.9	23.1	0.1	34.0	23.2	57.5	47.5	23.5	24.3	L
13	1.1355	31.8	27.0	0.3	32.1	27.3	56.0	46.0	23.9	18.7	L
14	1.4483	31.7	25.0	0.4	32.1	25.4	56.0	46.0	23.9	20.6	L
15	2.0696	29.9	23.1	0.5	30.4	23.6	56.0	46.0	25.6	22.4	L
16	2.3800	30.2	24.7	0.5	30.7	25.2	56.0	46.0	25.3	20.8	L
17	3.2058	29.0	23.5	0.5	29.5	24.0	56.0	46.0	26.5	22.0	L
18	6.0020	28.9	23.2	0.8	29.7	24.0	60.0	50.0	30.3	26.0	L
19	9.7265	26.9	18.9	1.2	28.1	20.1	60.0	50.0	31.9	29.9	L
20	24.3212	26.7	22.4	2.0	28.7	24.4	60.0	50.0	31.3	25.6	L

CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

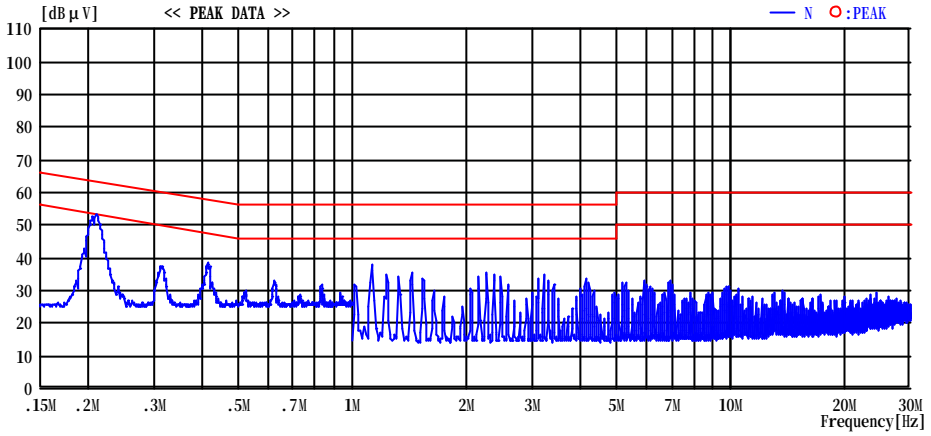
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24 16:41:59

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz
Model No.	: COOLPIX P2	Temp°C/Humi%	: 23deg.C / 49%
Serial No.	: 8851 1030	Operator	: Yutaka Yoshida

Mode / Remarks : IEEE802.11g 2437MHz Continuous Transmitting / 54Mbps

LIMIT : FCC15C §15.207 (QP)
FCC15C §15.207 (AV)



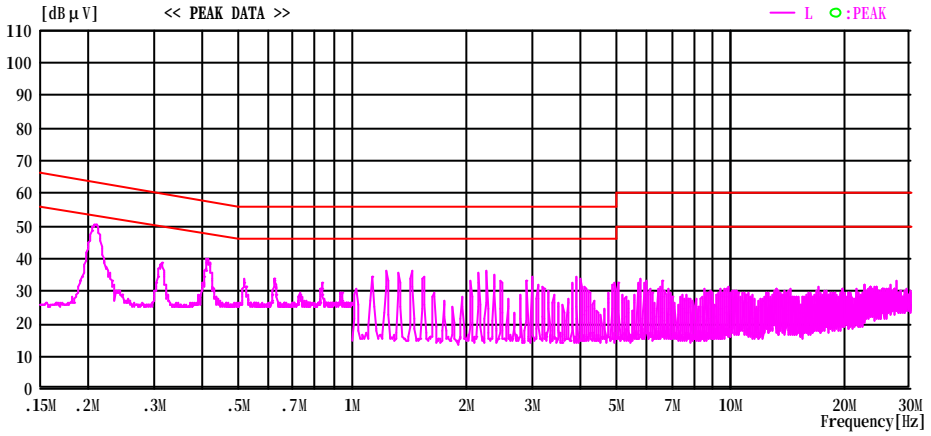


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

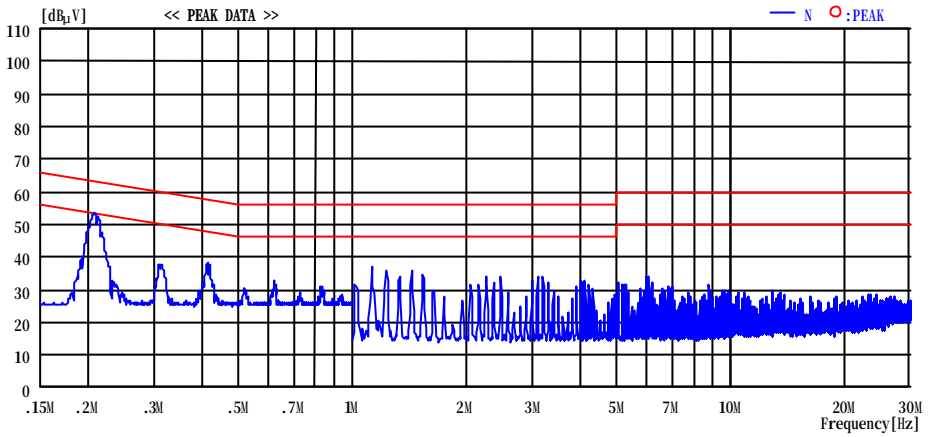
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24 16:47:30

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz
Model No.	: COOLPIX P2	Temp°C/Humi%	: 23deg.C / 49%
Serial No.	: 8851 1030	Operator	: Yutaka Yoshida

Mode / Remarks : IEEE802.11g 2462MHz Continuous Transmitting / 54Mbps

LIMIT : FCC15C §15.207 (QP)
FCC15C §15.207 (AV)



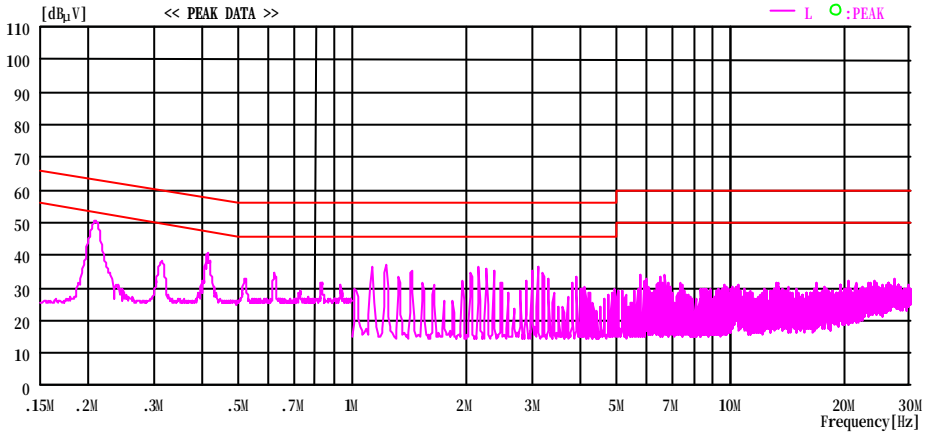


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

[DSSS and other forms of modulation]

-6dB Bandwidth(DSSS and other forms of modulation)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

Company	: Nikon Corporation	REPORT NO	: 25EE0208-HO
Equipment	: Digital Camera	REGULATION	: Fcc Part15 Subpart C 15.247(a)(2)
Model	: COOLPIX P2	TEST DISTANCE	: -
Sample No.	: 8851 1064	DATE	: 05/26/2005
Power	: AC120V/60Hz	TEMPERATURE	: 22℃
Mode	: Tx (ch1,6,11)	HUMIDITY	: 48%
		ENGINEER	: Yutaka Yoshida

[IEEE802.11b]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.695	500.0
Mid	2437.0	9.562	500.0
High	2462.0	9.545	500.0

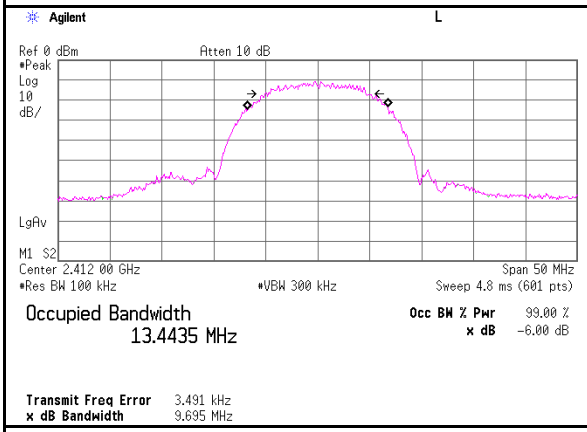
[IEEE802.11g]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.619	500.0
Mid	2437.0	16.616	500.0
High	2462.0	16.623	500.0

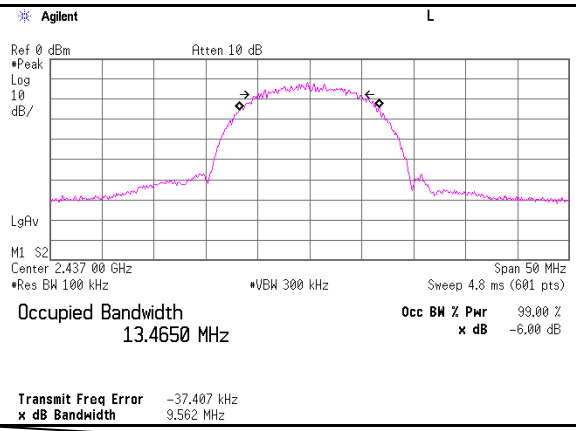
-6dB Bandwidth(DSSS and other forms of modulation)

IEEE802.11b

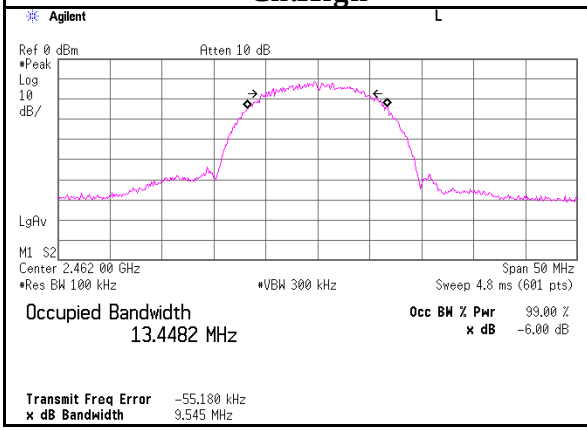
Ch:Low



Ch:Mid



Ch:High



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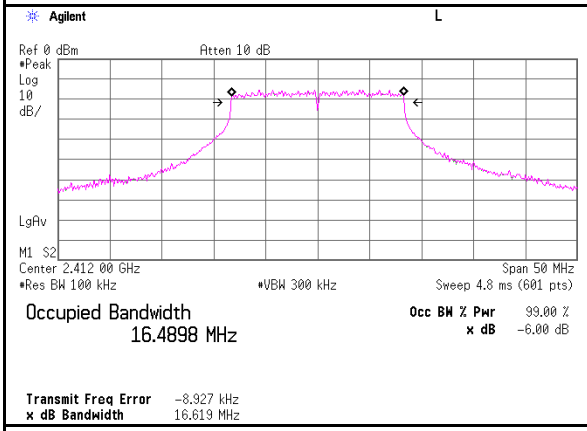
Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

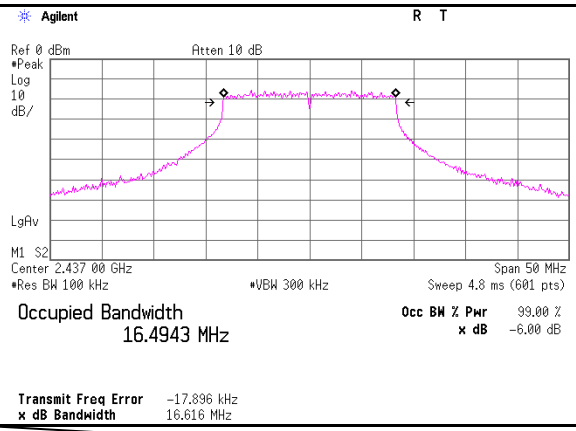
-6dB Bandwidth(DSSS and other forms of modulation)

IEEE802.11g

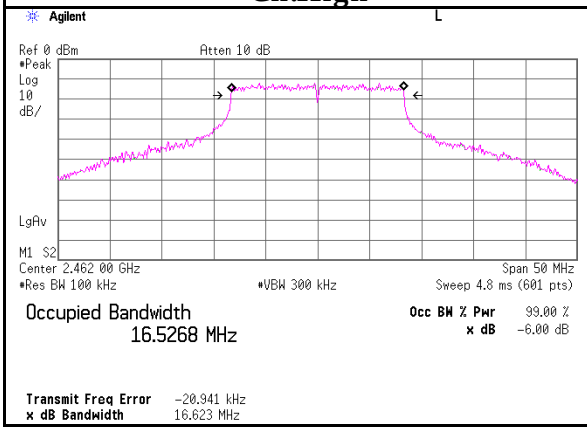
Ch:Low



Ch:Mid



Ch:High



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Maximum Peak OutPut Power (DSSS and other forms of modulation)

DATA OF PEAK OUTPUT POWER (CONDUCTED)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

Company	: Nikon Corporation	REPORT NO	: 25EE0208-HO
Equipment	: Digital Camera	REGULATION	: Fcc Part15 Subpart C 15.247(b)(3)
Model	: COOLPIX P2	TEST DISTANCE	: -
Sample No.	: 8851 1064	DATE	: 05/26/2005
Power	: AC120V/60Hz	TEMPERATURE	: 22℃
Mode	: Tx(ch1,6,11)	HUMIDITY	: 48%
		ENGINEER	: Yutaka Yoshida

[IEEE802.11b, 11Mbps]

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
Low	2412.0	3.80	1.30	10.00	15.10	30.00	14.90
Mid	2437.0	3.82	1.30	10.00	15.12	30.00	14.88
High	2462.0	4.03	1.30	10.00	15.33	30.00	14.67

Sample Calculation:
Result = Reading + Cable Loss (supplied by customer) + Attenuator
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

[IEEE802.11g, 54Mbps]

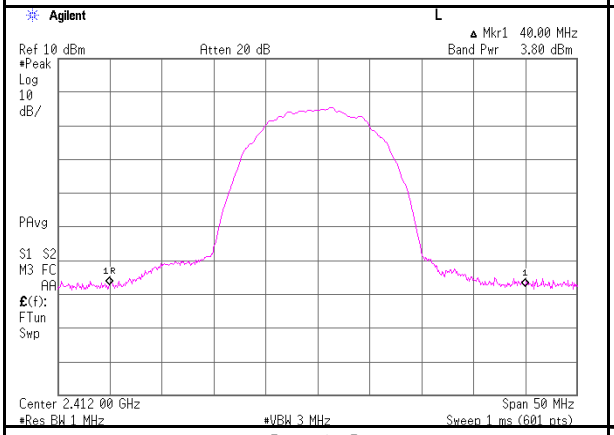
Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
Low	2412.0	5.61	1.30	10.00	16.91	30.00	13.09
Mid	2437.0	5.71	1.30	10.00	17.01	30.00	12.99
High	2462.0	5.69	1.30	10.00	16.99	30.00	13.01

Sample Calculation:
Result = Reading + Cable Loss (supplied by customer) + Attenuator
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

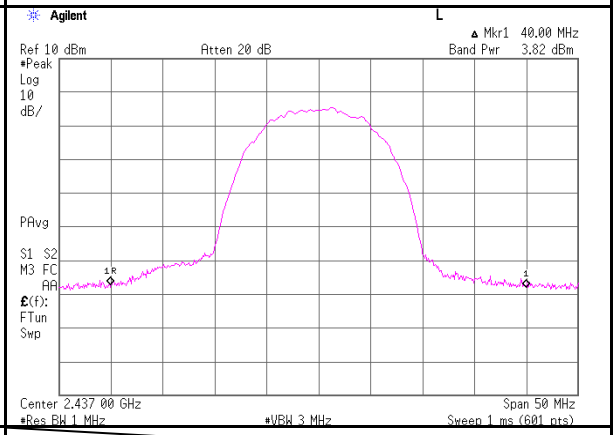
Maximum Peak OutPut Power (DSSS and other forms of modulation)

IEEE802.11b

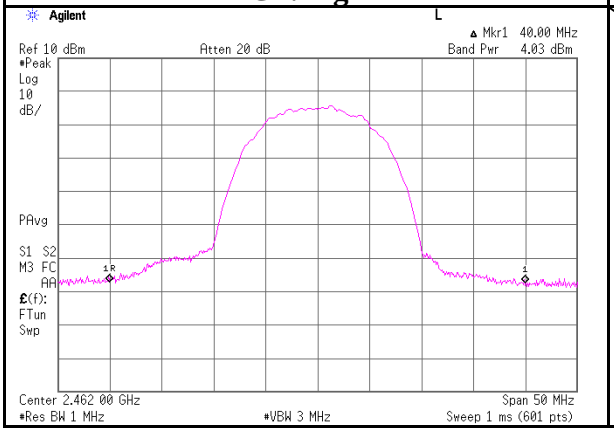
Ch:Low



Ch:Mid



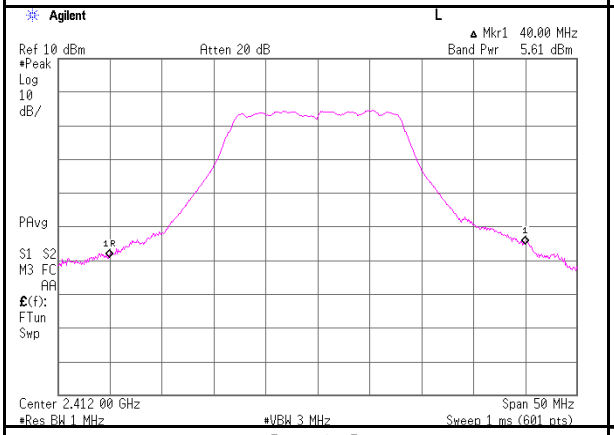
Ch:High



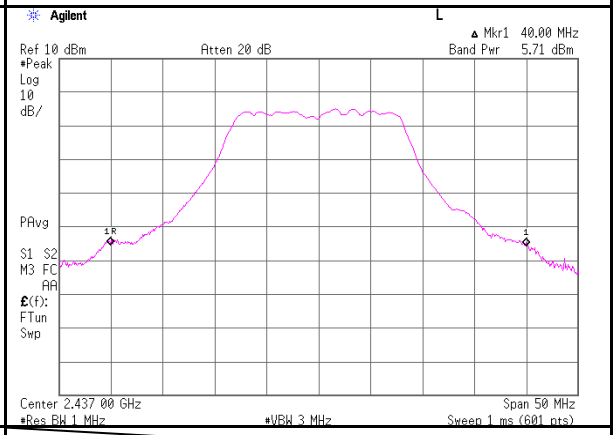
Maximum Peak OutPut Power (DSSS and other forms of modulation)

IEEE802.11g

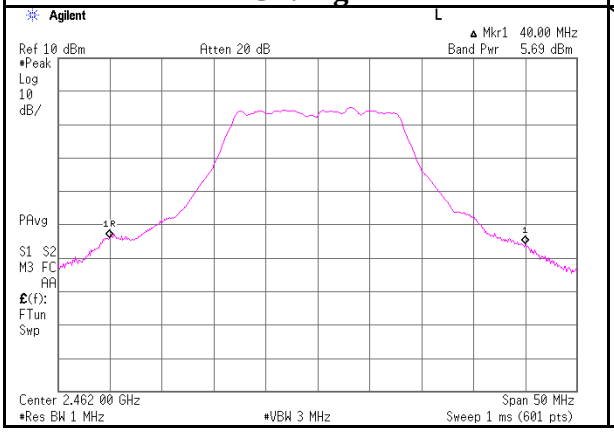
Ch:Low



Ch:Mid



Ch:High



Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

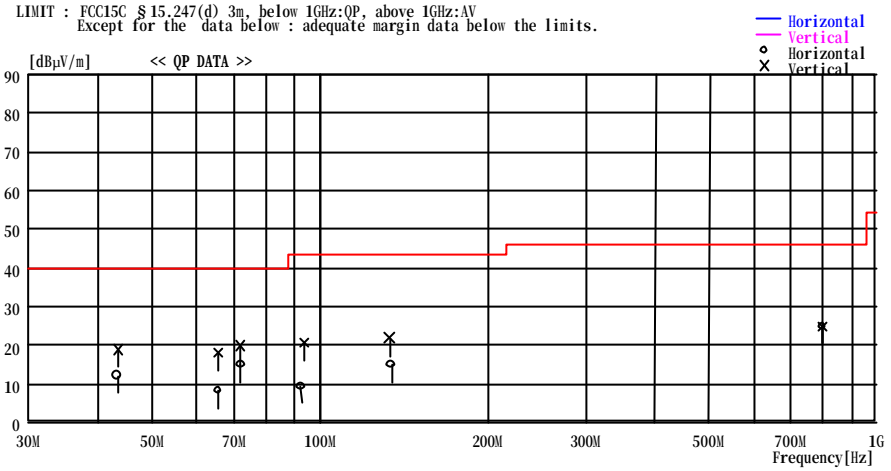
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz (AC Adapter)
Model No.	: COOLPIX P2	Temp°C/Humi%	: 25deg.C / 38%
Serial No.	: 8851 1030	Operator	: Norihisa Hashimoto

Mode / Remarks : IEEE802.11b 2412MHz Continuous Transmitting / 11Mbps / Hor:Z-Axis, Ver:Z-Axis(MAX Axis)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBµV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBµV/m]	LIMIT [dBµV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	43.284	21.4	12.4	6.2	27.8	12.2	40.0	27.8	175	354
2	65.530	22.4	7.5	6.3	27.8	8.4	40.0	31.6	353	5
3	72.103	29.6	6.9	6.4	27.7	15.2	40.0	24.8	243	243
4	92.631	21.4	9.1	6.6	27.6	9.5	43.5	34.0	169	142
5	134.390	21.4	14.2	7.0	27.4	15.2	43.5	28.3	348	351
6	797.597	21.0	22.0	9.9	27.9	25.0	46.0	21.0	100	54
----- Vertical ------										
7	43.295	28.1	12.4	6.2	27.8	18.9	40.0	21.1	100	13
8	65.549	32.0	7.5	6.3	27.8	18.0	40.0	22.0	100	151
9	72.089	34.2	6.9	6.4	27.7	19.8	40.0	20.2	100	177
10	93.641	32.3	9.3	6.6	27.6	20.6	43.5	22.9	100	96
11	133.255	28.2	14.1	7.0	27.4	21.9	43.5	21.6	100	79
12	799.139	20.9	22.0	9.9	27.9	24.9	46.0	21.1	100	301

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

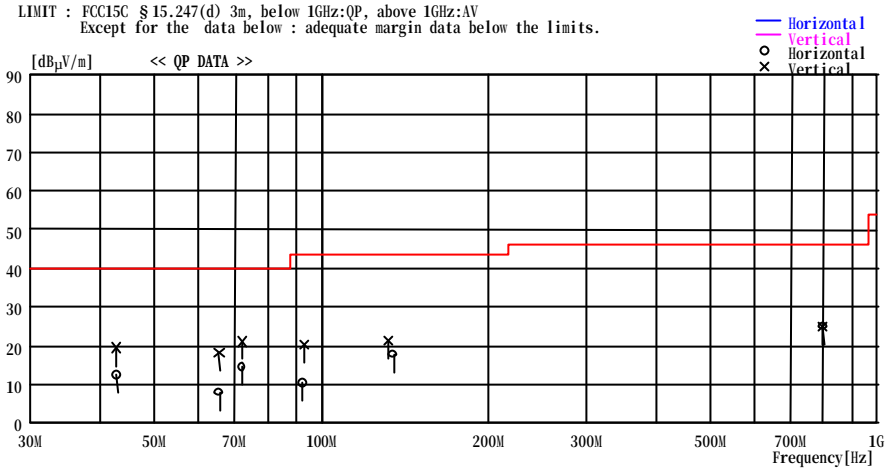
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz (AC Adapter)
Model No.	: COOLPIX P2	Temp°C/Humi%	: 25deg.C / 38%
Serial No.	: 8851 1030	Operator	: Norihisa Hashimoto

Mode / Remarks : IEEE802.11b 2437MHz Continuous Transmitting / 11Mbps / Hor:Z-Axis, Ver:Z-Axis(MAX Axis)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	42.957	21.5	12.6	6.2	27.8	12.5	40.0	27.5	199	8
2	65.528	22.0	7.5	6.3	27.8	8.0	40.0	32.0	341	2
3	72.088	28.8	6.9	6.4	27.7	14.4	40.0	25.6	123	237
4	92.520	22.2	9.1	6.6	27.6	10.3	43.5	33.2	180	161
5	134.910	23.9	14.2	7.0	27.4	17.7	43.5	25.8	324	347
6	800.325	20.9	22.0	9.9	27.9	24.9	46.0	21.1	107	76
----- Vertical ------										
7	42.697	28.3	12.7	6.2	27.8	19.4	40.0	20.6	100	284
8	65.563	32.1	7.5	6.3	27.8	18.1	40.0	21.9	100	133
9	72.088	35.4	6.9	6.4	27.7	21.0	40.0	19.0	172	172
10	93.206	32.0	9.2	6.6	27.6	20.2	43.5	23.3	100	114
11	132.360	27.9	14.0	6.9	27.4	21.4	43.5	22.1	100	66
12	798.627	21.0	22.0	9.9	27.9	25.0	46.0	21.0	100	290

CHART:WITH FACTOR ANT TYPE: -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

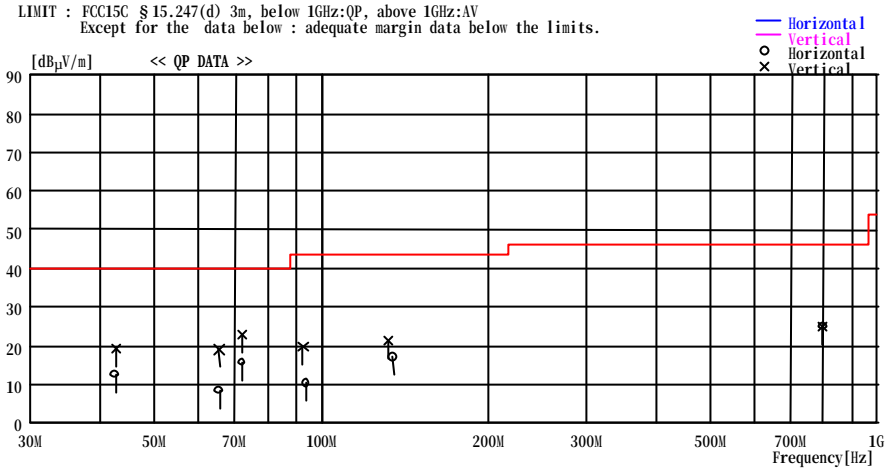
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz (AC Adapter)
Model No.	: COOLPIX P2	Temp°C/Humi%	: 25deg.C / 38%
Serial No.	: 8851 1030	Operator	: Norihisa Hashimoto

Mode / Remarks : IEEE802.11b 2462MHz Continuous Transmitting / 11Mbps / Hor:Z-Axis, Ver:Z-Axis(MAX Axis)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	42.631	21.5	12.7	6.2	27.8	12.6	40.0	27.4	216	11
2	65.532	22.4	7.5	6.3	27.8	8.4	40.0	31.6	359	2
3	72.099	30.0	6.9	6.4	27.7	15.6	40.0	24.4	214	257
4	93.981	22.0	9.3	6.6	27.6	10.3	43.5	33.2	211	221
5	134.723	23.2	14.2	7.0	27.4	17.0	43.5	26.5	321	353
6	798.809	20.9	22.0	9.9	27.9	24.9	46.0	21.1	100	72
----- Vertical ------										
7	42.871	28.2	12.6	6.2	27.8	19.2	40.0	20.8	100	272
8	65.574	33.1	7.5	6.3	27.8	19.1	40.0	20.9	100	118
9	72.091	37.2	6.9	6.4	27.7	22.8	40.0	17.2	148	167
10	92.694	31.6	9.1	6.6	27.6	19.7	43.5	23.8	100	120
11	132.366	27.9	14.0	6.9	27.4	21.4	43.5	22.1	100	71
12	798.635	21.0	22.0	9.9	27.9	25.0	46.0	21.0	100	298

CHART:WITH FACTOR ANT TYPE: -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

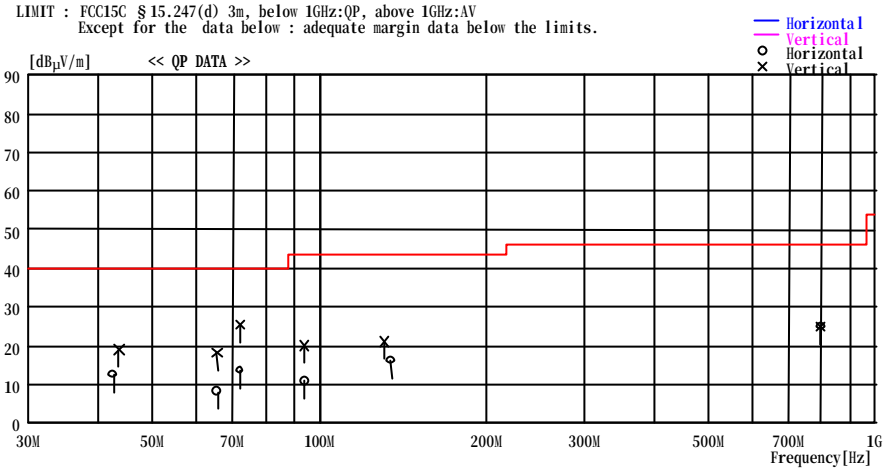
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz (AC Adapter)
Model No.	: COOLPIX P2	Temp°C/Humi%	: 25deg.C / 38%
Serial No.	: 8851 1030	Operator	: Norihisa Hashimoto

Mode / Remarks : IEEE802.11g 2412MHz Continuous Transmitting / 54Mbps / Hor:Z-Axis, Ver:Z-Axis(MAX Axis)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	42.636	21.5	12.7	6.2	27.8	12.6	40.0	27.4	202	286
2	72.103	28.0	6.9	6.4	27.7	13.6	40.0	26.4	246	227
3	65.532	22.2	7.5	6.3	27.8	8.2	40.0	31.8	338	5
4	94.143	22.5	9.3	6.6	27.6	10.8	43.5	32.7	205	87
5	134.710	22.5	14.2	7.0	27.4	16.3	43.5	27.2	264	355
6	798.371	21.0	22.0	9.9	27.9	25.0	46.0	21.0	100	355
----- Vertical ------										
7	43.634	28.3	12.3	6.2	27.8	19.0	40.0	21.0	100	296
8	72.088	39.9	6.9	6.4	27.7	25.5	40.0	14.5	175	171
9	65.565	32.1	7.5	6.3	27.8	18.1	40.0	21.9	100	90
10	94.148	31.7	9.3	6.6	27.6	20.0	43.5	23.5	100	130
11	130.850	27.6	13.9	6.9	27.4	21.0	43.5	22.5	100	84
12	798.702	21.0	22.0	9.9	27.9	25.0	46.0	21.0	100	291

CHART:WITH FACTOR ANT TYPE: -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

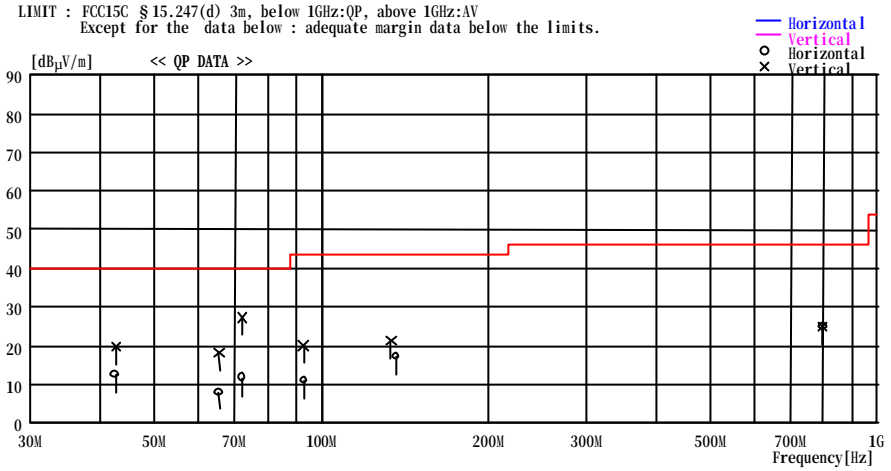
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24

Applicant	: Nikon Corporation	Report No.	: 25EE0208-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz (AC Adapter)
Model No.	: COOLPIX P2	Temp°C/Humi%	: 25deg.C / 38%
Serial No.	: 8851 1030	Operator	: Norihisa Hashimoto

Mode / Remarks : IEEE802.11g 2437MHz Continuous Transmitting / 54Mbps / Hor:Z-Axis, Ver:Z-Axis(MAX Axis)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	42.634	21.5	12.7	6.2	27.8	12.6	40.0	27.4	178	155
2	65.566	22.1	7.5	6.3	27.8	8.1	40.0	31.9	332	21
3	72.093	26.1	6.9	6.4	27.7	11.7	40.0	28.3	309	244
4	93.210	22.8	9.2	6.6	27.6	11.0	43.5	32.5	209	78
5	136.380	23.4	14.3	7.0	27.4	17.3	43.5	26.2	195	232
6	798.631	20.9	22.0	9.9	27.9	24.9	46.0	21.1	100	79
----- Vertical ------										
7	42.759	28.7	12.6	6.2	27.8	19.7	40.0	20.3	100	333
8	65.565	32.4	7.5	6.3	27.8	18.4	40.0	21.6	100	83
9	72.098	41.6	6.9	6.4	27.7	27.2	40.0	12.8	170	167
10	92.935	32.0	9.1	6.6	27.6	20.1	43.5	23.4	102	95
11	133.450	27.5	14.1	7.0	27.4	21.2	43.5	22.3	100	73
12	798.672	21.0	22.0	9.9	27.9	25.0	46.0	21.0	100	299

CHART:WITH FACTOR ANT TYPE: -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

DATA OF RADIATED EMISSION TEST

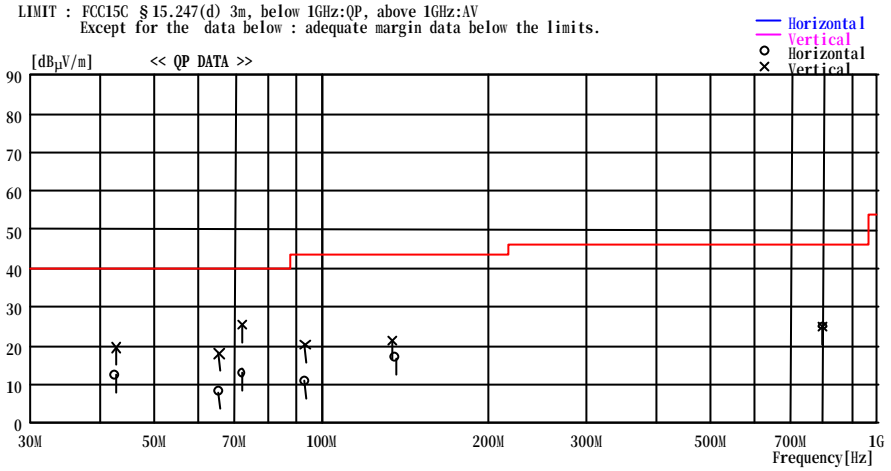
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/05/24

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX P2
Serial No. : 8851 1030

Report No. : 25EE0208-HO
Power : AC120V / 60Hz (AC Adapter)
Temp°C/Humi% : 25deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : IEEE802.11g 2462MHz Continuous Transmitting / 54Mbps / Hor:Z-Axis, Ver:Z-Axis(MAX Axis)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	42.632	21.4	12.7	6.2	27.8	12.5	40.0	27.5	188	161
2	65.547	22.2	7.5	6.3	27.8	8.2	40.0	31.8	341	336
3	72.101	27.3	6.9	6.4	27.7	12.9	40.0	27.1	312	247
4	93.456	22.6	9.2	6.6	27.6	10.8	43.5	32.7	92	82
5	135.839	23.0	14.3	7.0	27.4	16.9	43.5	26.6	297	342
6	798.446	21.0	22.0	9.9	27.9	25.0	46.0	21.0	102	74
----- Vertical ------										
7	42.878	28.5	12.6	6.2	27.8	19.5	40.0	20.5	100	316
8	65.559	32.0	7.5	6.3	27.8	18.0	40.0	22.0	100	143
9	72.110	40.0	6.9	6.4	27.7	25.6	40.0	14.4	172	171
10	93.640	31.9	9.3	6.6	27.6	20.2	43.5	23.3	100	121
11	134.299	27.6	14.2	7.0	27.4	21.4	43.5	22.1	101	80
12	798.688	21.0	22.0	9.9	27.9	25.0	46.0	21.0	100	301

CHART:WITH FACTOR ANT TYPE: -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: Nikon Corporation	REPORT NO	: 25EE0208-HO
Equipment	: Digital Camera	REGULATION	: Fcc Part15 Subpart C 15.247(d)
Model	: COOLPIX P2	TEST DISTANCE	: 3/1m
Sample No.	: 8851 1030	DATE	: May 23, 2005
Power	: AC120V / 60Hz	TEMPERATURE	: 23deg.C
Mode	: IEEE802.11b, Tx 2412MHz / 11Mbps	HUMIDITY	: 49%
Remarks	: Horizontal:Z-axis or Vertical:Z-axis	ENGINEER	: Yutaka Yoshida

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.0	50.4	50.9	30.5	36.4	3.7	0.0	48.2	48.7	74.0	25.8	25.3
2	4824.0	45.7	45.5	35.2	36.4	4.3	1.0	49.8	49.6	74.0	24.2	24.4
3	7236.0	45.9	45.4	37.7	36.0	6.2	0.4	54.2	53.7	74.0	19.8	20.3
4	9648.0	46.5	46.7	37.0	36.4	7.9	0.2	55.2	55.4	74.0	18.8	18.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.0	42.8	43.5	41.6	36.1	9.5	0.0	48.3	49.0	74.0	25.7	25.0
6	14472.0	41.3	41.8	41.8	34.6	9.7	0.0	48.7	49.2	74.0	25.3	24.8
7	16884.0	44.4	44.4	45.2	35.0	10.8	0.0	55.9	55.9	74.0	18.1	18.1
8	19296.0	43.7	44.7	40.2	34.1	12.0	0.0	52.3	53.3	74.0	21.7	20.7
9	21708.0	43.8	44.4	39.8	34.7	12.0	0.0	51.4	52.0	74.0	22.6	22.0
10	24120.0	44.7	44.3	40.4	35.6	13.9	0.0	53.9	53.5	74.0	20.1	20.5

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.0	37.5	37.8	30.5	36.4	3.7	0.0	35.3	35.6	54.0	18.7	18.4
2	4824.0	31.6	31.6	35.2	36.4	4.3	1.0	35.7	35.7	54.0	18.3	18.3
3	7236.0	31.4	31.4	37.7	36.0	6.2	0.4	39.7	39.7	54.0	14.3	14.3
4	9648.0	32.3	32.4	37.0	36.4	7.9	0.2	41.0	41.1	54.0	13.0	12.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.0	30.3	30.2	41.6	36.1	9.5	0.0	35.8	35.7	54.0	18.2	18.3
6	14472.0	29.2	29.2	41.8	34.6	9.7	0.0	36.6	36.6	54.0	17.4	17.4
7	16884.0	31.8	31.7	45.2	35.0	10.8	0.0	43.3	43.2	54.0	10.7	10.8
8	19296.0	31.3	31.2	40.2	34.1	12.0	0.0	39.9	39.8	54.0	14.1	14.2
9	21708.0	31.6	31.6	39.8	34.7	12.0	0.0	39.2	39.2	54.0	14.8	14.8
10	24120.0	32.0	32.0	40.4	35.6	13.9	0.0	41.2	41.2	54.0	12.8	12.8

20dBc(Fundamental 2412MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
0	2412.0	98.5	98.6	30.5	36.4	3.7	0.0	96.3	96.4	-	-	-
2	2400.0	51.2	51.3	30.5	36.4	3.7	0.0	49.0	49.1	Funda-20dB	27.3	27.3

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: Nikon Corporation	REPORT NO	: 25EE0208-HO
Equipment	: Digital Camera	REGULATION	: Fcc Part15 Subpart C 15.247(d)
Model	: COOLPIX P2	TEST DISTANCE	: 3/1m
Sample No.	: 8851 1030	DATE	: May 23, 2005
Power	: AC120V / 60Hz	TEMPERATURE	: 23deg.C
Mode	: IEEE802.11b, Tx 2437MHz / 11Mbps	HUMIDITY	: 49%
Remarks	: Horizontal:Z-axis or Vertical:Z-axis	ENGINEER	: Yutaka Yoshida

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.0	45.7	45.4	35.5	36.0	5.3	1.0	51.5	51.2	74.0	22.5	22.8
2	7311.0	45.3	45.6	37.9	36.0	6.6	0.5	54.3	54.6	74.0	19.7	19.4
3	9748.0	47.3	46.3	36.9	36.4	8.1	0.2	56.1	55.1	74.0	17.9	18.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	43.1	43.4	41.6	36.0	9.5	0.0	48.7	49.0	74.0	25.3	25.0
5	14622.0	41.2	40.9	42.1	35.1	9.8	0.0	48.5	48.2	74.0	25.5	25.8
6	17059.0	45.5	44.4	45.3	34.9	10.8	0.0	57.2	56.1	74.0	16.8	17.9
7	19496.0	43.3	43.9	40.3	34.3	12.1	0.0	51.9	52.5	74.0	22.1	21.5
8	21933.0	44.0	44.4	39.8	34.2	12.0	0.0	52.1	52.5	74.0	21.9	21.5
9	24370.0	43.8	43.4	40.4	35.7	14.0	0.0	53.0	52.6	74.0	21.0	21.4

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.0	31.5	31.5	35.5	36.0	5.3	1.0	37.3	37.3	54.0	16.7	16.7
2	7311.0	31.5	31.5	37.9	36.0	6.6	0.5	40.5	40.5	54.0	13.5	13.5
3	9748.0	32.1	32.1	36.9	36.4	8.1	0.2	40.9	40.9	54.0	13.1	13.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	30.0	30.0	41.6	36.0	9.5	0.0	35.6	35.6	54.0	18.4	18.4
5	14622.0	29.3	29.3	42.1	35.1	9.8	0.0	36.6	36.6	54.0	17.4	17.4
6	17059.0	32.0	32.0	45.3	34.9	10.8	0.0	43.7	43.7	54.0	10.3	10.3
7	19496.0	31.5	31.5	40.3	34.3	12.1	0.0	40.1	40.1	54.0	13.9	13.9
8	21933.0	32.0	32.0	39.8	34.2	12.0	0.0	40.1	40.1	54.0	13.9	13.9
9	24370.0	30.9	30.9	40.4	35.7	14.0	0.0	40.1	40.1	54.0	13.9	13.9

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: Nikon Corporation	REPORT NO	: 25EE0208-HO
Equipment	: Digital Camera	REGULATION	: Fcc Part15 Subpart C 15.247(d)
Model	: COOLPIX P2	TEST DISTANCE	: 3/1m
Sample No.	: 8851 1030	DATE	: May 23, 2005
Power	: AC120V / 60Hz	TEMPERATURE	: 23deg.C
Mode	: IEEE802.11b, Tx 2462MHz / 11Mbps	HUMIDITY	: 49%
Remarks	: Horizontal:Z-axis or Vertical:Z-axis	ENGINEER	: Yutaka Yoshida

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.5	49.0	49.4	30.5	36.4	3.7	0.0	46.8	47.2	74.0	27.2	26.8
2	4924.0	45.1	45.8	35.8	35.9	5.3	1.0	51.3	52.0	74.0	22.7	22.0
3	7386.0	45.4	45.4	38.0	36.0	6.6	0.6	54.6	54.6	74.0	19.4	19.4
4	9848.0	46.7	47.2	36.8	36.4	8.2	0.3	55.5	56.0	74.0	18.5	18.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	43.1	43.3	41.7	35.9	9.5	0.0	48.9	49.1	74.0	25.1	24.9
6	14772.0	41.3	42.5	42.4	35.6	9.9	0.0	48.5	49.7	74.0	25.5	24.3
7	17234.0	44.0	43.8	44.9	35.0	10.9	0.0	55.3	55.1	74.0	18.7	18.9
8	19696.0	43.8	43.5	40.3	34.6	12.2	0.0	52.2	51.9	74.0	21.8	22.1
9	22158.0	44.5	45.0	39.8	34.1	12.1	0.0	52.8	53.3	74.0	21.2	20.7
10	24620.0	43.2	43.0	40.5	35.5	14.0	0.0	52.7	52.5	74.0	21.3	21.5

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.5	36.4	36.1	30.5	36.4	3.7	0.0	34.2	33.9	54.0	19.8	20.1
2	4924.0	31.2	31.1	35.8	35.9	5.3	1.0	37.4	37.3	54.0	16.6	16.7
3	7386.0	31.5	31.4	38.0	36.0	6.6	0.6	40.7	40.6	54.0	13.3	13.4
4	9848.0	32.1	32.1	36.8	36.4	8.2	0.3	40.9	40.9	54.0	13.1	13.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	30.0	30.1	41.7	35.9	9.5	0.0	35.8	35.9	54.0	18.2	18.1
6	14772.0	29.2	29.5	42.4	35.6	9.9	0.0	36.4	36.7	54.0	17.6	17.3
7	17234.0	31.9	31.9	44.9	35.0	10.9	0.0	43.2	43.2	54.0	10.8	10.8
8	19696.0	31.4	31.2	40.3	34.6	12.2	0.0	39.8	39.6	54.0	14.2	14.4
9	22158.0	32.1	32.1	39.8	34.1	12.1	0.0	40.4	40.4	54.0	13.6	13.6
10	24620.0	30.9	30.7	40.5	35.5	14.0	0.0	40.4	40.2	54.0	13.6	13.8

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: Nikon Corporation	REPORT NO	: 25EE0208-HO
Equipment	: Digital Camera	REGULATION	: Fcc Part15 Subpart C 15.247(d)
Model	: COOLPIX P2	TEST DISTANCE	: 3/1m
Sample No.	: 8851 1030	DATE	: May 23, 2005
Power	: AC120V / 60Hz	TEMPERATURE	: 23deg.C
Mode	: IEEE802.11g, Tx 2412MHz / 54Mbps	HUMIDITY	: 49%
Remarks	: Horizontal:Z-axis or Vertical:Z-axis	ENGINEER	: Yutaka Yoshida

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.0	58.4	58.2	30.5	36.4	3.7	0.0	56.2	56.0	74.0	17.8	18.0
2	4824.0	45.6	45.3	35.2	36.4	4.3	1.0	49.7	49.4	74.0	24.3	24.6
3	7236.0	45.3	45.8	37.7	36.0	6.2	0.4	53.6	54.1	74.0	20.4	19.9
4	9648.0	46.1	46.7	37.0	36.4	7.9	0.2	54.8	55.4	74.0	19.2	18.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.0	43.9	42.7	41.6	36.1	9.5	0.0	49.4	48.2	74.0	24.6	25.8
6	14472.0	42.0	42.0	41.8	34.6	9.7	0.0	49.4	49.4	74.0	24.6	24.6
7	16884.0	44.0	43.5	45.2	35.0	10.8	0.0	55.5	55.0	74.0	18.5	19.0
8	19296.0	43.4	43.7	40.2	34.1	12.0	0.0	52.0	52.3	74.0	22.0	21.7
9	21708.0	44.4	44.4	39.8	34.7	12.0	0.0	52.0	52.0	74.0	22.0	22.0
10	24120.0	44.7	45.0	40.4	35.6	13.9	0.0	53.9	54.2	74.0	20.1	19.8

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.0	42.4	42.1	30.5	36.4	3.7	0.0	40.2	39.9	54.0	13.8	14.1
2	4824.0	31.7	31.7	35.2	36.4	4.3	1.0	35.8	35.8	54.0	18.2	18.2
3	7236.0	31.5	31.5	37.7	36.0	6.2	0.4	39.8	39.8	54.0	14.2	14.2
4	9648.0	32.3	32.4	37.0	36.4	7.9	0.2	41.0	41.1	54.0	13.0	12.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.0	30.4	30.4	41.6	36.1	9.5	0.0	35.9	35.9	54.0	18.1	18.1
6	14472.0	29.2	29.2	41.8	34.6	9.7	0.0	36.6	36.6	54.0	17.4	17.4
7	16884.0	31.6	31.5	45.2	35.0	10.8	0.0	43.1	43.0	54.0	10.9	11.0
8	19296.0	31.5	31.5	40.2	34.1	12.0	0.0	40.1	40.1	54.0	13.9	13.9
9	21708.0	31.8	31.9	39.8	34.7	12.0	0.0	39.4	39.5	54.0	14.6	14.5
10	24120.0	32.3	32.4	40.4	35.6	13.9	0.0	41.5	41.6	54.0	12.5	12.4

20dBc(Fundamental 2412MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
0	2412.0	92.2	90.6	30.5	36.4	3.7	0.0	90.0	88.4	-	-	-
2	2400.0	63.2	62.3	30.5	36.4	3.7	0.0	61.0	60.1	Funda-20dB	9.0	8.3

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: Nikon Corporation	REPORT NO	: 25EE0208-HO
Equipment	: Digital Camera	REGULATION	: Fcc Part15 Subpart C 15.247(d)
Model	: COOLPIX P2	TEST DISTANCE	: 3/1m
Sample No.	: 8851 1030	DATE	: May 23, 2005
Power	: AC120V / 60Hz	TEMPERATURE	: 23deg.C
Mode	: IEEE802.11g, Tx 2437MHz / 54Mbps	HUMIDITY	: 49%
Remarks	: Horizontal:Z-axis or Vertical:Z-axis	ENGINEER	: Yutaka Yoshida

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.0	45.4	44.9	35.5	36.0	5.3	1.0	51.2	50.7	74.0	22.8	23.3
2	7311.0	45.9	45.8	37.9	36.0	6.6	0.5	54.9	54.8	74.0	19.1	19.2
3	9748.0	45.8	47.2	36.9	36.4	8.1	0.2	54.6	56.0	74.0	19.4	18.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	42.2	42.5	41.6	36.0	9.5	0.0	47.8	48.1	74.0	26.2	25.9
5	14622.0	42.1	40.8	42.1	35.1	9.8	0.0	49.4	48.1	74.0	24.6	25.9
6	17059.0	44.1	43.6	45.3	34.9	10.8	0.0	55.8	55.3	74.0	18.2	18.7
7	19496.0	43.6	43.6	40.3	34.3	12.1	0.0	52.2	52.2	74.0	21.8	21.8
8	21933.0	45.4	44.6	39.8	34.2	12.0	0.0	53.5	52.7	74.0	20.5	21.3
9	24370.0	44.6	43.4	40.4	35.7	14.0	0.0	53.8	52.6	74.0	20.2	21.4

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.0	31.6	31.6	35.5	36.0	5.3	1.0	37.4	37.4	54.0	16.6	16.6
2	7311.0	31.5	31.6	37.9	36.0	6.6	0.5	40.5	40.6	54.0	13.5	13.4
3	9748.0	32.2	32.2	36.9	36.4	8.1	0.2	41.0	41.0	54.0	13.0	13.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	30.0	30.0	41.6	36.0	9.5	0.0	35.6	35.6	54.0	18.4	18.4
5	14622.0	29.3	29.3	42.1	35.1	9.8	0.0	36.6	36.6	54.0	17.4	17.4
6	17059.0	31.9	31.9	45.3	34.9	10.8	0.0	43.6	43.6	54.0	10.4	10.4
7	19496.0	31.5	31.5	40.3	34.3	12.1	0.0	40.1	40.1	54.0	13.9	13.9
8	21933.0	32.3	32.4	39.8	34.2	12.0	0.0	40.4	40.5	54.0	13.6	13.5
9	24370.0	31.1	31.2	40.4	35.7	14.0	0.0	40.3	40.4	54.0	13.7	13.6

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission(DSSS and other forms of modulation)

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: Nikon Corporation	REPORT NO	: 25EE0208-HO
Equipment	: Digital Camera	REGULATION	: Fcc Part15 Subpart C 15.247(d)
Model	: COOLPIX P2	TEST DISTANCE	: 3/1m
Sample No.	: 8851 1030	DATE	: May 23, 2005
Power	: AC120V / 60Hz	TEMPERATURE	: 23deg.C
Mode	: IEEE802.11g, Tx 2462MHz / 54Mbps	HUMIDITY	: 49%
Remarks	: Horizontal:Z-axis or Vertical:Z-axis	ENGINEER	: Yutaka Yoshida

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.5	54.6	54.0	30.5	36.4	3.7	0.0	52.4	51.8	74.0	21.6	22.2
2	4924.0	45.6	45.3	35.8	35.9	5.3	1.0	51.8	51.5	74.0	22.2	22.5
3	7386.0	45.8	45.7	38.0	36.0	6.6	0.6	55.0	54.9	74.0	19.0	19.1
4	9848.0	46.3	46.8	36.8	36.4	8.2	0.3	55.1	55.6	74.0	18.9	18.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	43.2	43.3	41.7	35.9	9.5	0.0	49.0	49.1	74.0	25.0	24.9
6	14772.0	41.4	42.3	42.4	35.6	9.9	0.0	48.6	49.5	74.0	25.4	24.5
7	17234.0	43.8	44.1	44.9	35.0	10.9	0.0	55.1	55.4	74.0	18.9	18.6
8	19696.0	43.4	44.5	40.3	34.6	12.2	0.0	51.8	52.9	74.0	22.2	21.1
9	22158.0	44.5	44.9	39.8	34.1	12.1	0.0	52.8	53.2	74.0	21.2	20.8
10	24620.0	43.1	42.8	40.5	35.5	14.0	0.0	52.6	52.3	74.0	21.4	21.7

AV DETECT (RBW: 1MHz, VBW: 10Hz)

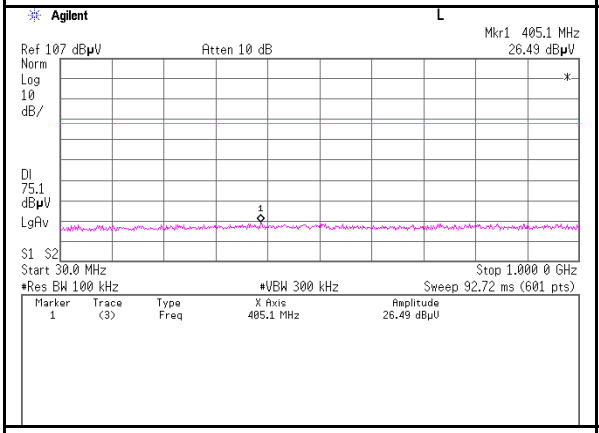
No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.5	38.8	38.4	30.5	36.4	3.7	0.0	36.6	36.2	54.0	17.4	17.8
2	4924.0	31.4	31.3	35.8	35.9	5.3	1.0	37.6	37.5	54.0	16.4	16.5
3	7386.0	31.6	32.2	38.0	36.0	6.6	0.6	40.8	41.4	54.0	13.2	12.6
4	9848.0	32.3	32.3	36.8	36.4	8.2	0.3	41.1	41.1	54.0	12.9	12.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	30.0	30.2	41.7	35.9	9.5	0.0	35.8	36.0	54.0	18.2	18.0
6	14772.0	29.2	29.6	42.4	35.6	9.9	0.0	36.4	36.8	54.0	17.6	17.2
7	17234.0	31.9	31.8	44.9	35.0	10.9	0.0	43.2	43.1	54.0	10.8	10.9
8	19696.0	31.7	31.7	40.3	34.6	12.2	0.0	40.1	40.1	54.0	13.9	13.9
9	22158.0	32.2	32.1	39.8	34.1	12.1	0.0	40.5	40.4	54.0	13.5	13.6
10	24620.0	31.0	30.8	40.5	35.5	14.0	0.0	40.5	40.3	54.0	13.5	13.7

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

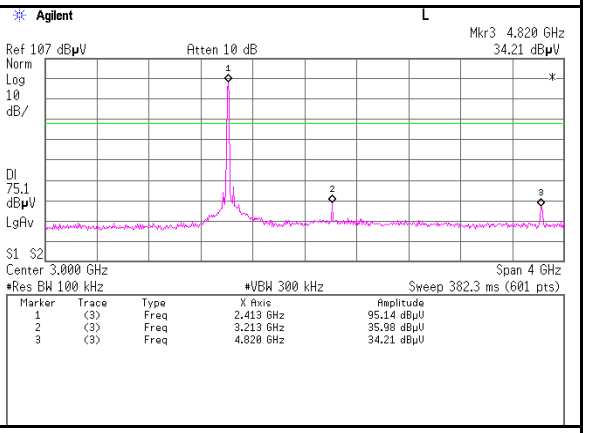
Conducted Spurious Emission(DSSS and other forms of modulation)

IEEE802.11b Ch : Low

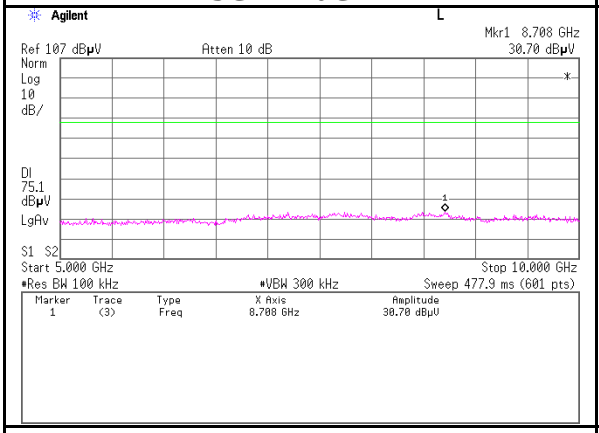
30MHz-1GHz



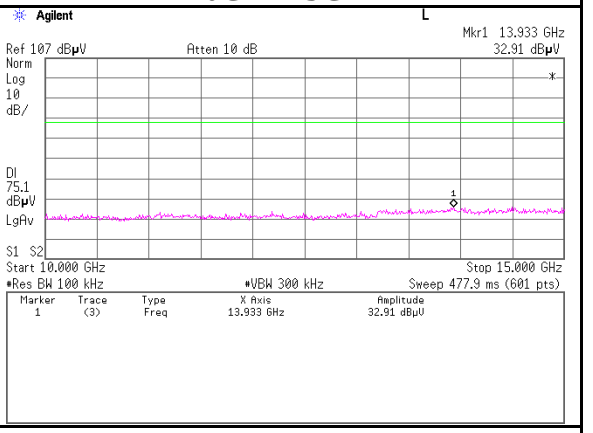
1GHz-5GHz



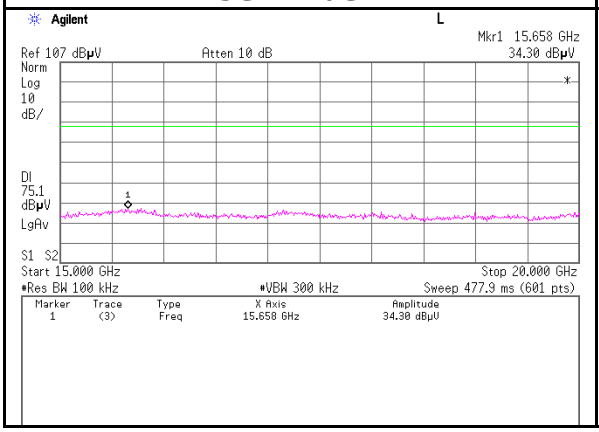
5GHz-10GHz



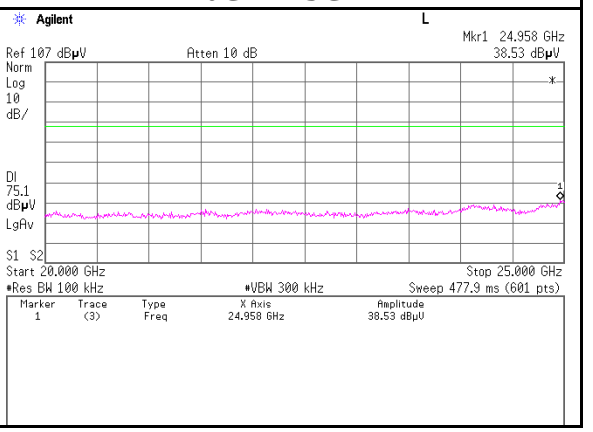
10GHz-15GHz



15GHz-20GHz



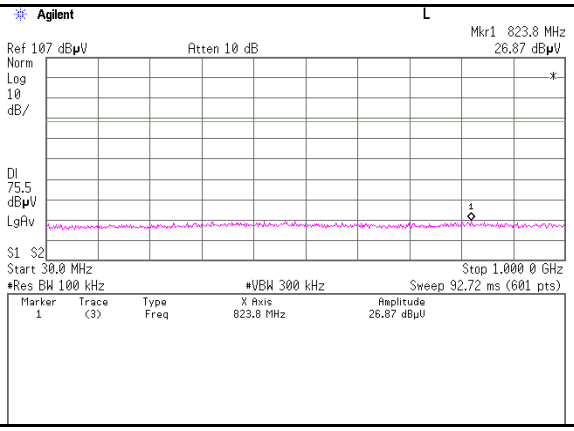
20GHz-25GHz



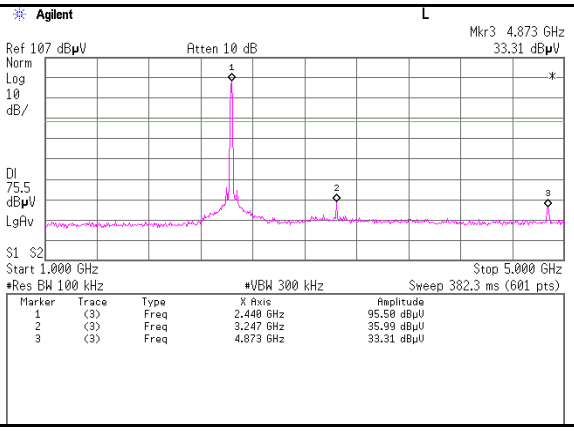
Conducted Spurious Emission(DSSS and other forms of modulation)

IEEE802.11b Ch：Mid

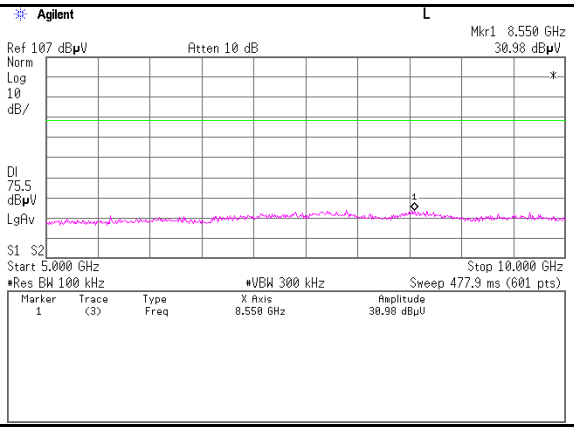
30MHz-1GHz



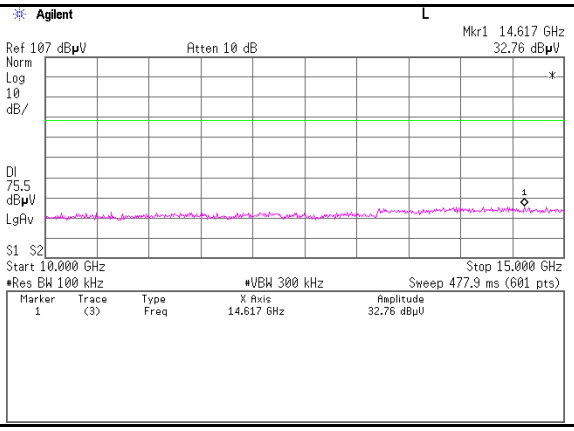
1GHz-5GHz



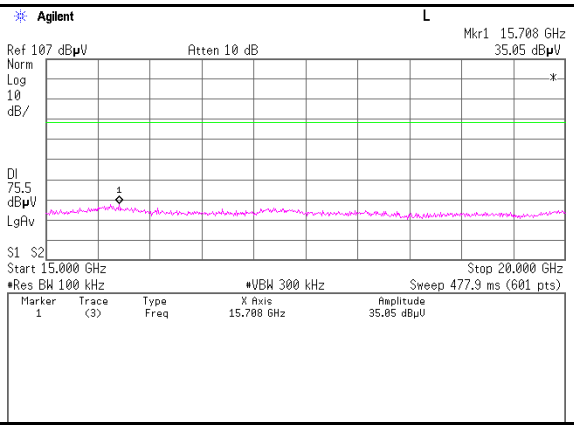
5GHz-10GHz



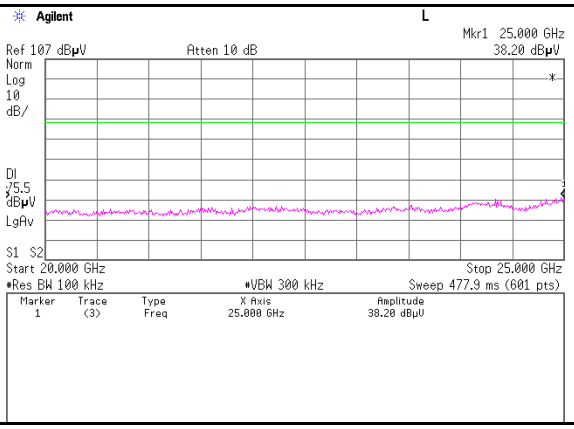
10GHz-15GHz



15GHz-20GHz



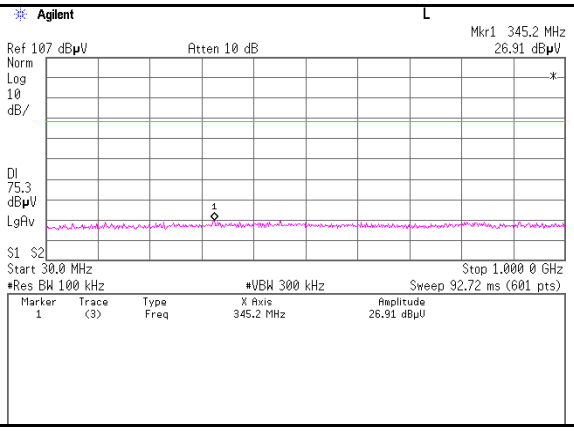
20GHz-25GHz



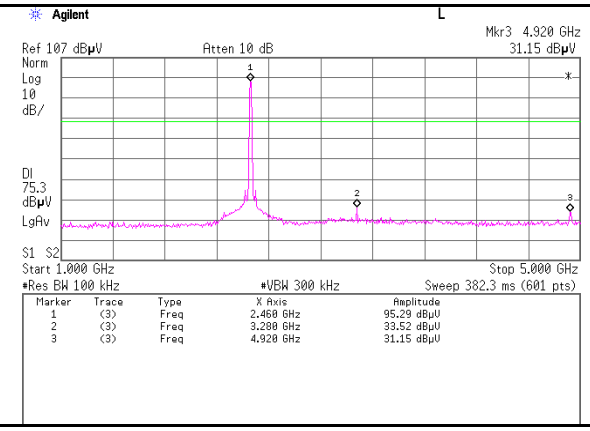
Conducted Spurious Emission(DSSS and other forms of modulation)

IEEE802.11b Ch : High

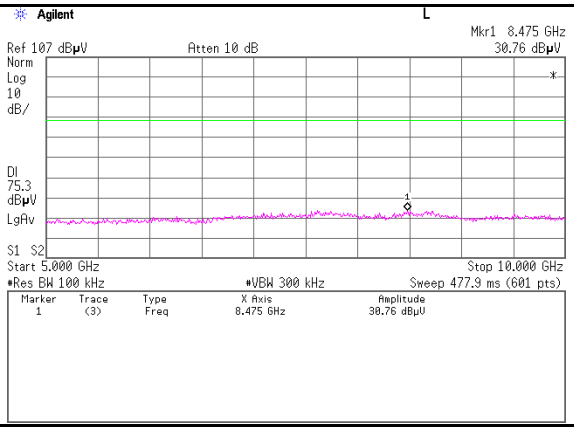
30MHz-1GHz



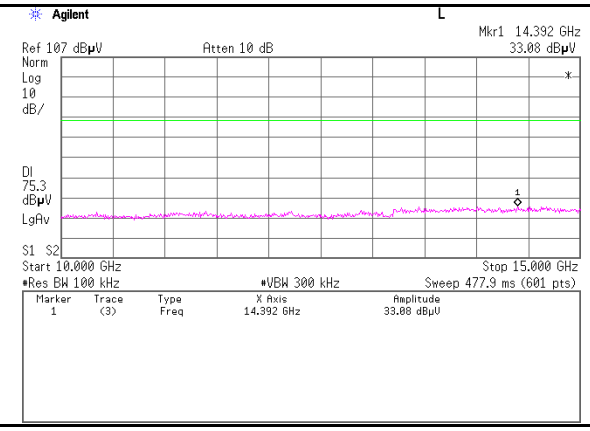
1GHz-5GHz



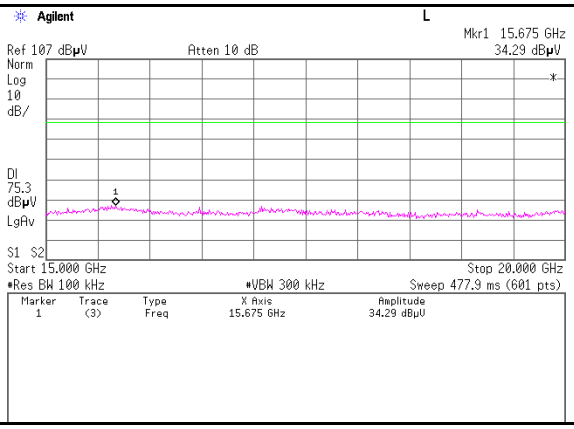
5GHz-10GHz



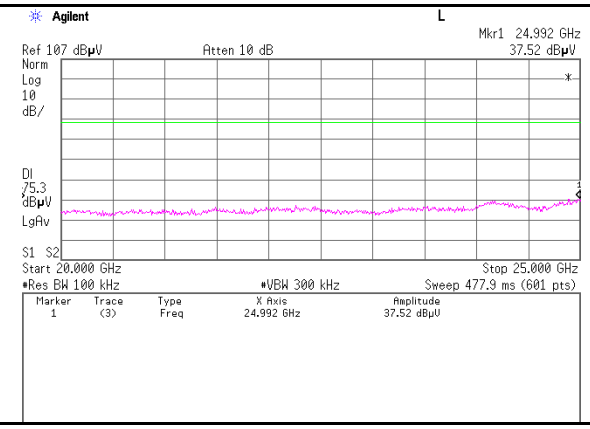
10GHz-15GHz



15GHz-20GHz



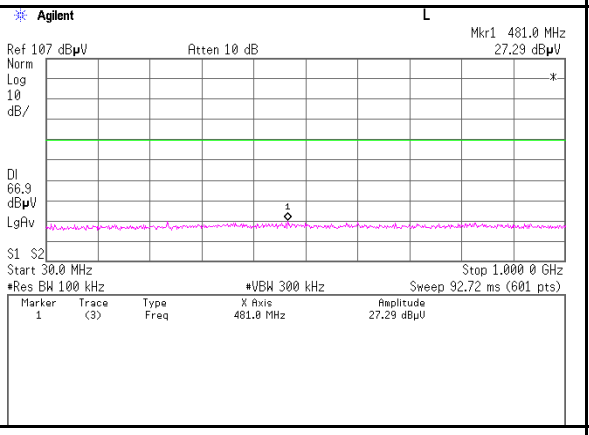
20GHz-25GHz



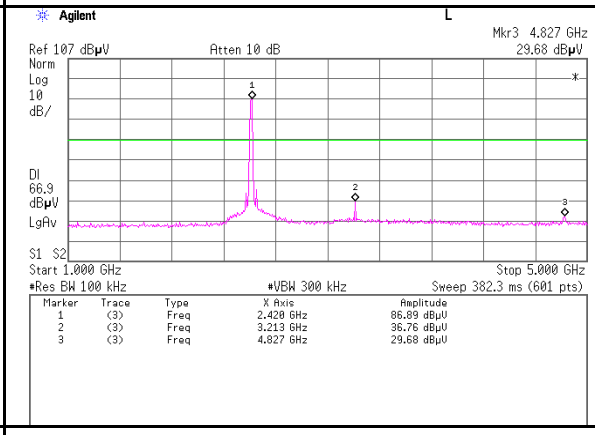
Conducted Spurious Emission(DSSS and other forms of modulation)

IEEE802.11g Ch : Low

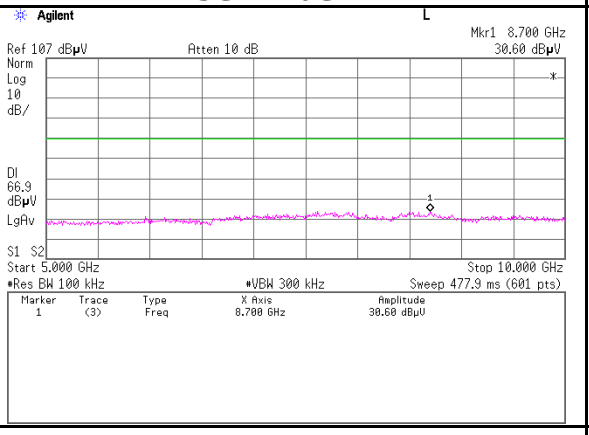
30MHz-1GHz



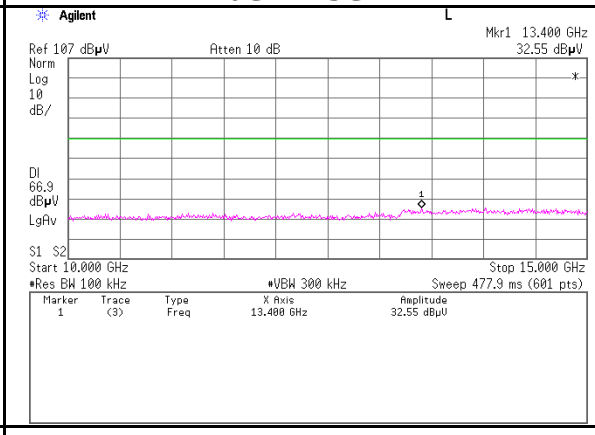
1GHz-5GHz



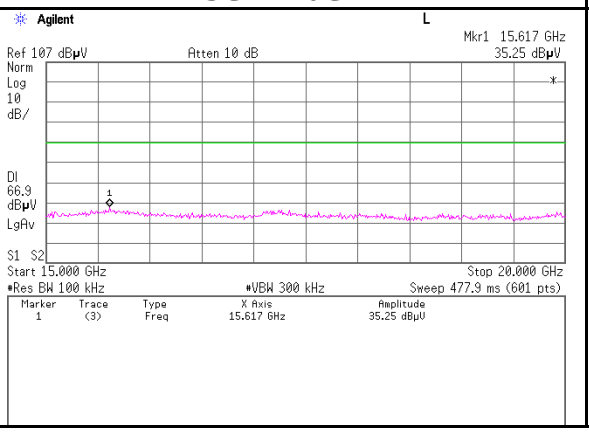
5GHz-10GHz



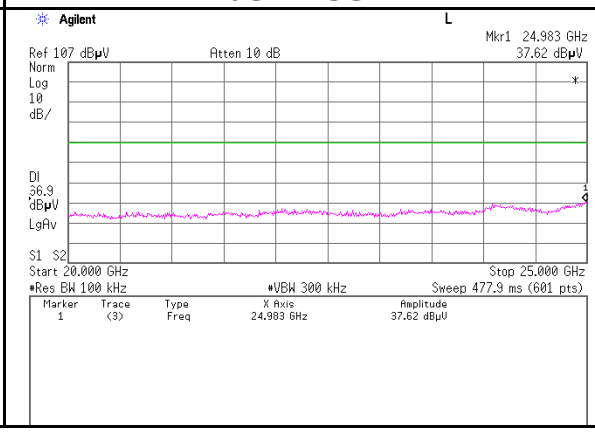
10GHz-15GHz



15GHz-20GHz



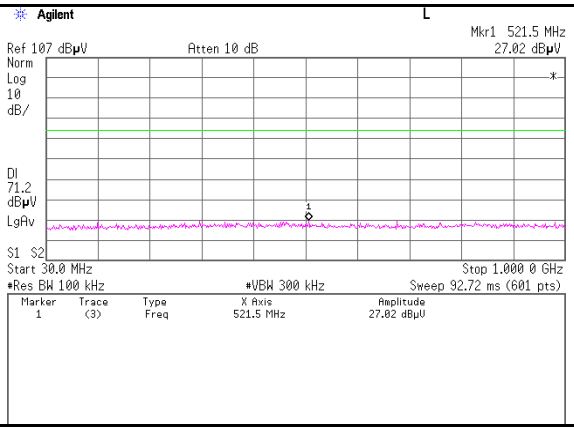
20GHz-25GHz



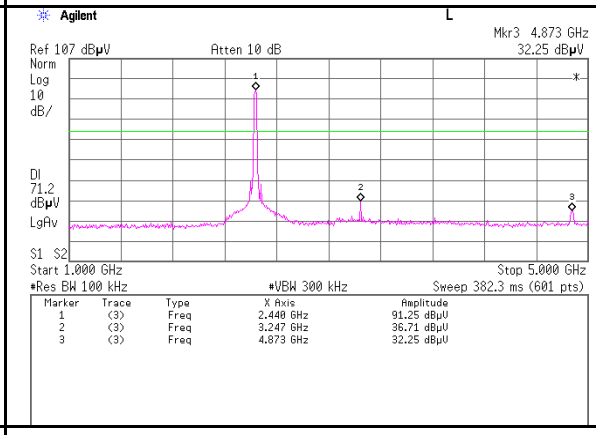
Conducted Spurious Emission(DSSS and other forms of modulation)

IEEE802.11g Ch : Mid

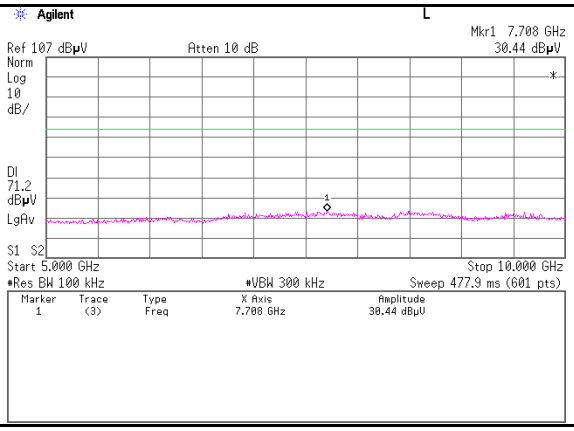
30MHz-1GHz



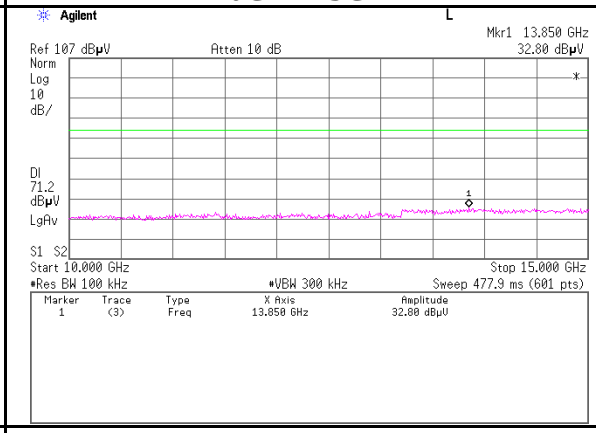
1GHz-5GHz



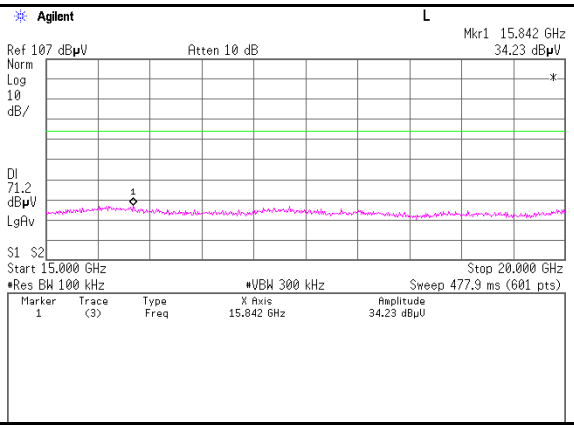
5GHz-10GHz



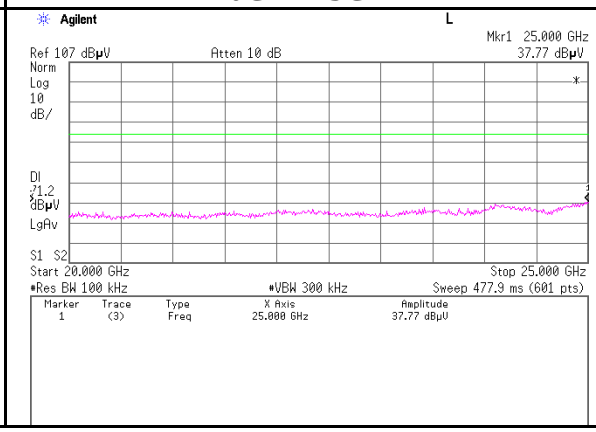
10GHz-15GHz



15GHz-20GHz



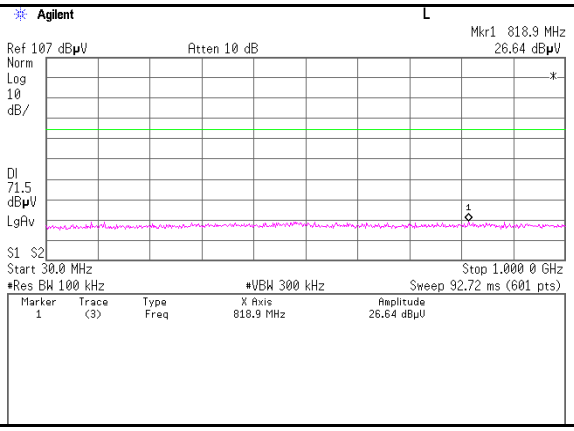
20GHz-25GHz



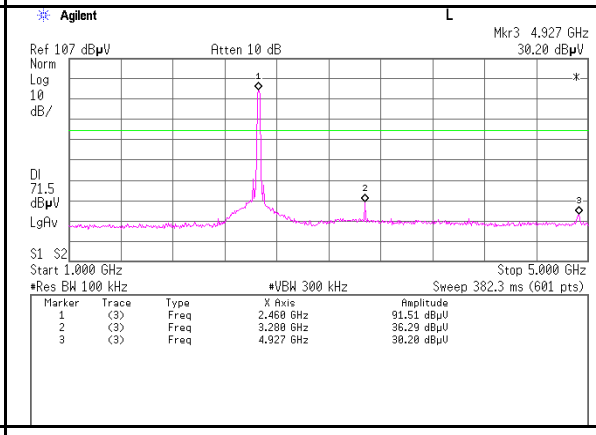
Conducted Spurious Emission(DSSS and other forms of modulation)

IEEE802.11g Ch : High

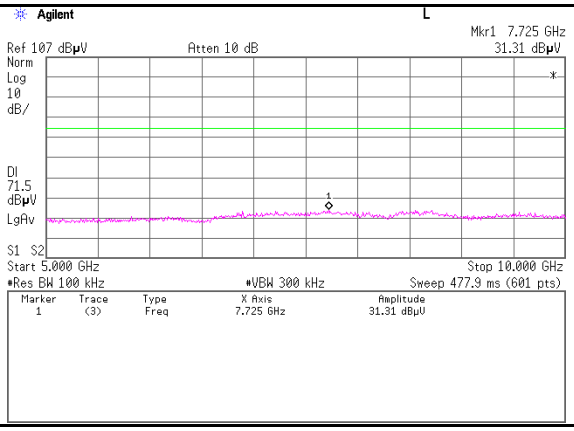
30MHz-1GHz



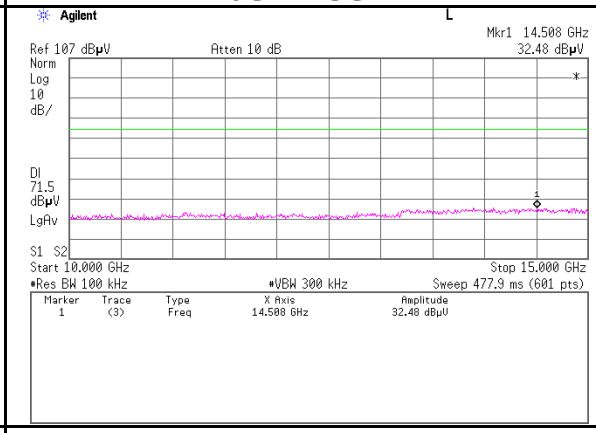
1GHz-5GHz



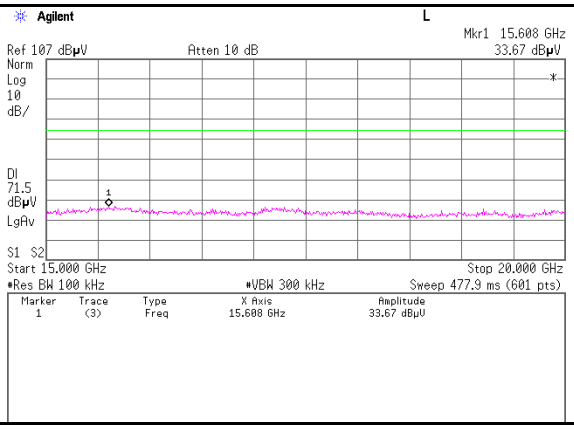
5GHz-10GHz



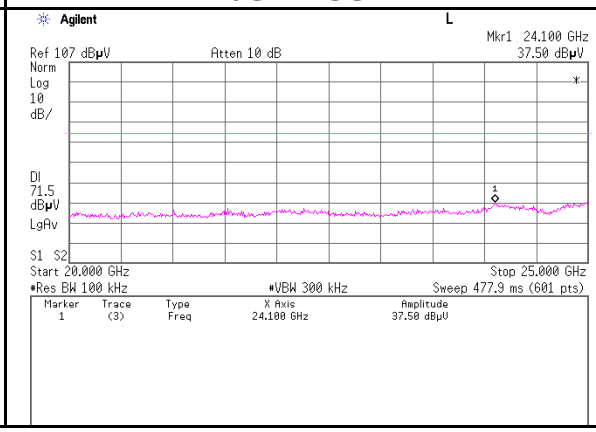
10GHz-15GHz



15GHz-20GHz



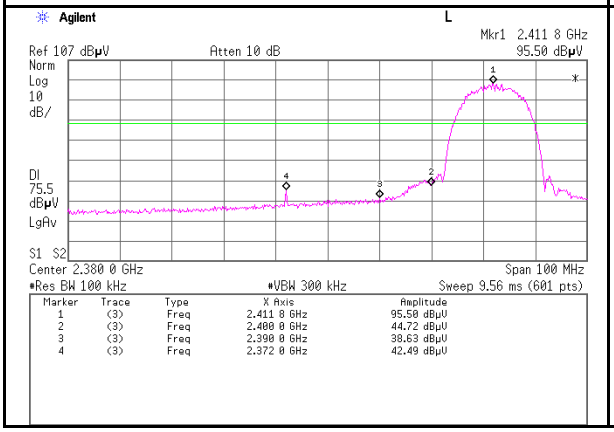
20GHz-25GHz



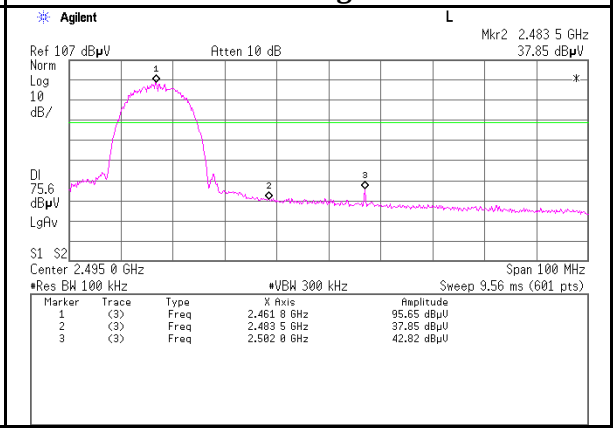
Conducted emission Band Edge compliance (DSSS and other forms of modulation)

IEEE802.11b

Ch:Low

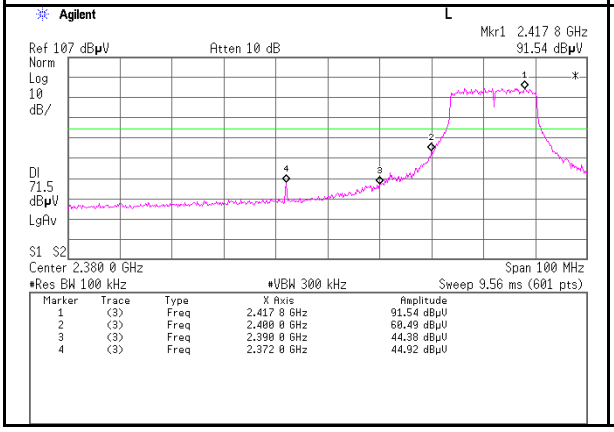


Ch:High

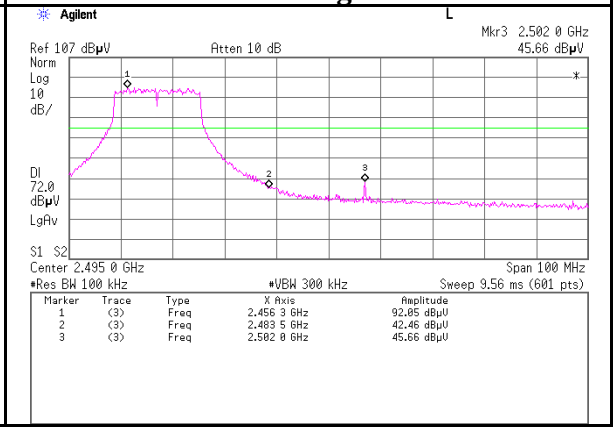


IEEE802.11g

Ch:Low



Ch:High



Power Density (DSSS and other forms of modulation)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

COMPANY : Nikon Corporation
QUIPMENT : Digital Camera
MODEL : COOLPIX P2
SAMPLE NO. : 8851 1064
POWER : AC120V/60Hz
MODE : Tx (ch1,6,11)

REGULATION : FCC Part15 Subpart C 15.247(e)
TEST DISTANCE : -
DATE : 05/26/2005
TEMPERATURE : 22℃
HUMIDITY : 48%
ENGINEER : Yutaka Yoshida

[IEEE802.11b]

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.3	-26.17	1.3	10.0	-14.9	8.0	22.9
Mid	2436.3	-26.01	1.3	10.0	-14.7	8.0	22.7
High	2461.3	-25.95	1.3	10.0	-14.7	8.0	22.7

Sample Calculation:
Result = Reading + Cable Loss (spplied by customer) + Attenuator

[IEEE802.11g]

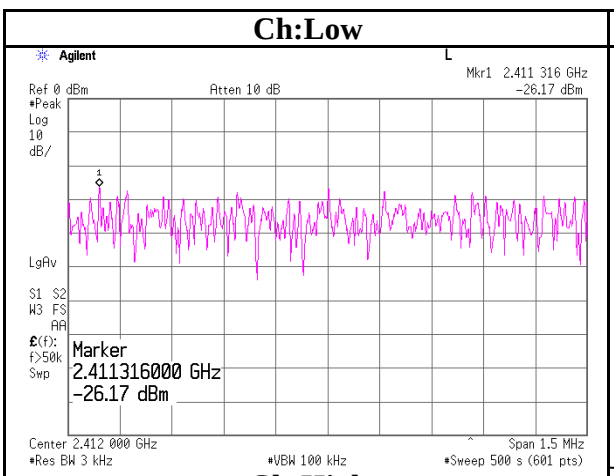
Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.7	-30.42	1.3	10.0	-19.1	8.0	27.1
Mid	2436.7	-30.40	1.3	10.0	-19.1	8.0	27.1
High	2461.7	-30.39	1.3	10.0	-19.1	8.0	27.1

Sample Calculation:
Result = Reading + Cable Loss (supplied by customer)+ Attenuator

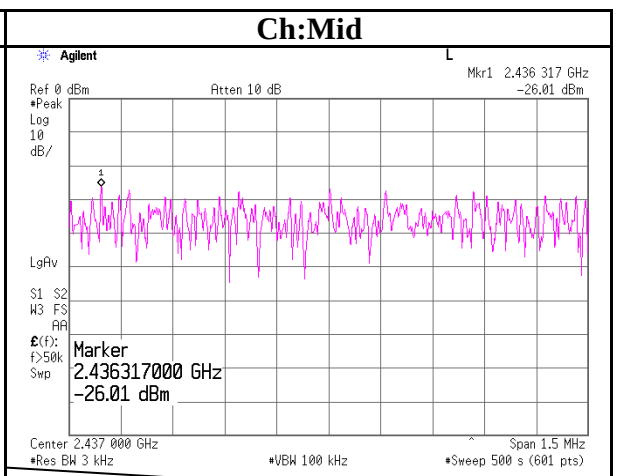
Power Density(DSSS and other forms of modulation)

IEEE802.11b

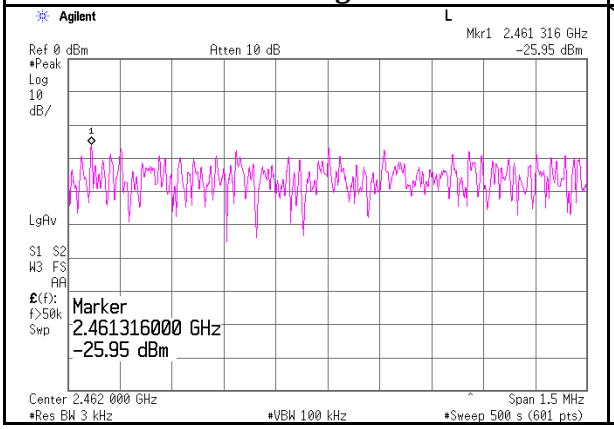
Ch:Low



Ch:Mid



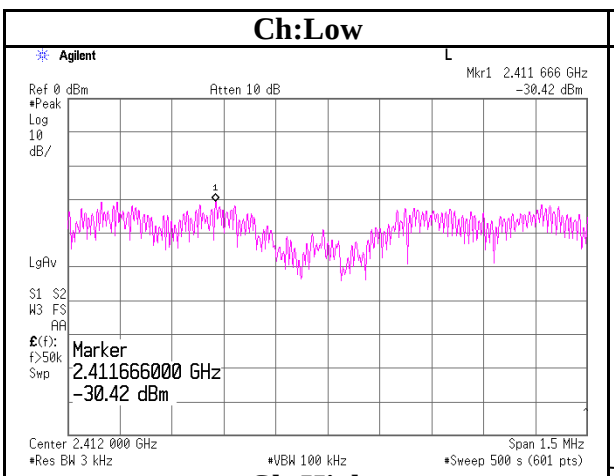
Ch:High



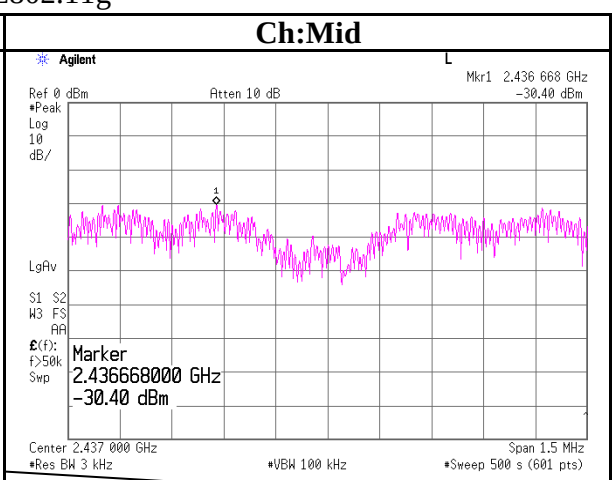
Power Density(DSSS and other forms of modulation)

IEEE802.11g

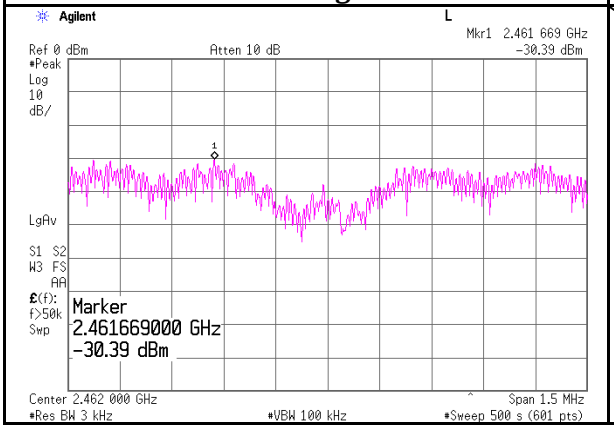
Ch:Low



Ch:Mid



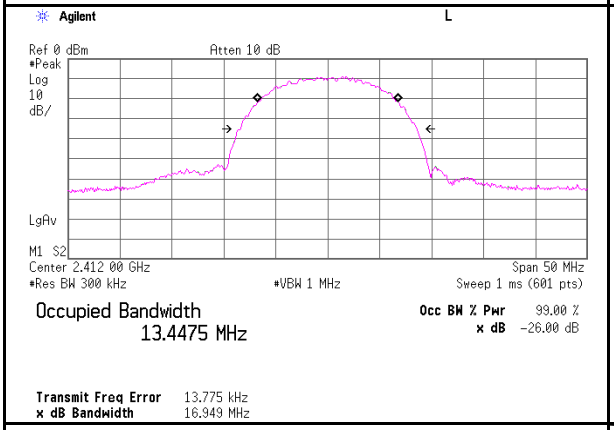
Ch:High



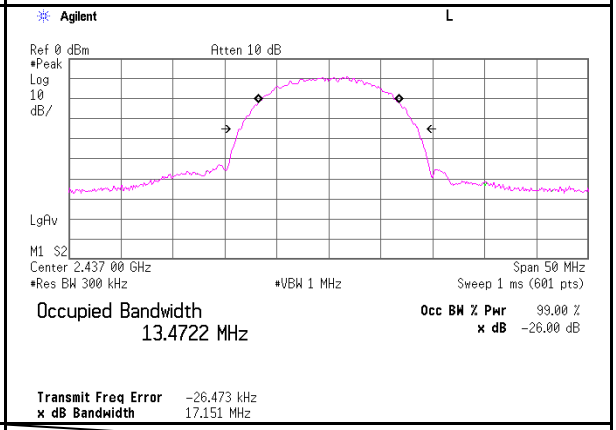
99% Occupied Bandwidth (DSSS and other forms of modulation)

IEEE802.11b

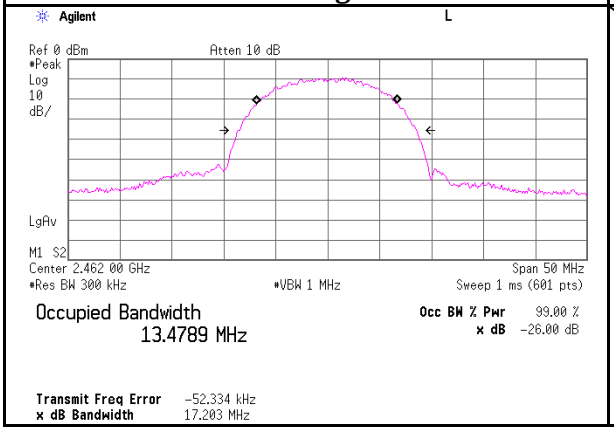
Ch:Low



Ch:Mid



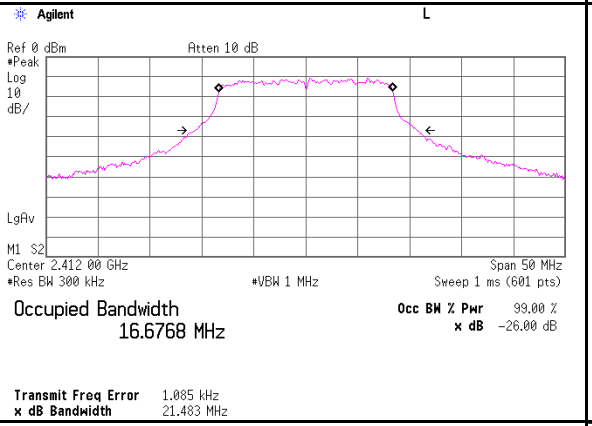
Ch:High



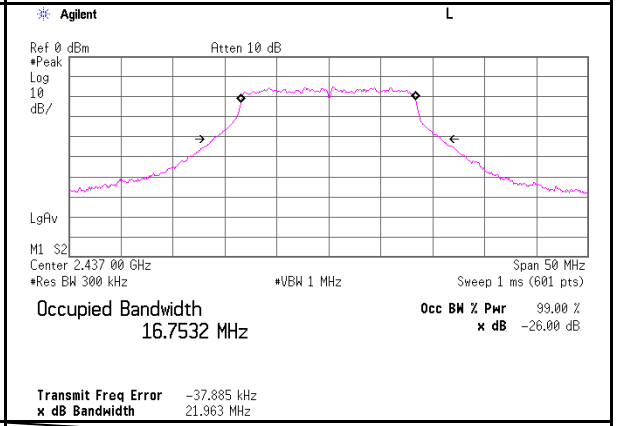
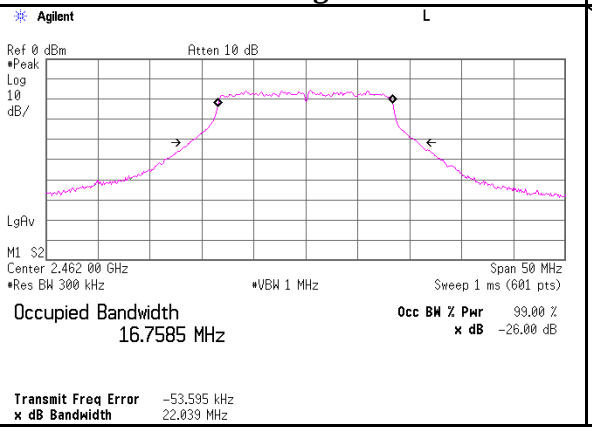
99% Occupied Bandwidth (DSSS and other forms of modulation)

IEEE802.11g

Ch:Low



Ch:Mid



Ch:High