RADIO TEST REPORT

Test Report No. : 26BE0062-HO-1a

Applicant	:	**Nikon Corporation**
Type of Equipment	:	**Digital Camera**
Model No.	:	**COOLPIX S6**
FCC ID	:	**CGJ3142EB**
Test standard	:	**FCC Part 15 Subpart C** **Section 15.207, Section 15.247 : 2005**
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:

November 7 to 11, 2005

Tested by:

Norihisa Hashimoto
EMC Services

Kenichi Adachi
EMC Services

Approved by :

Tetsuo Maeno
Site Manager of EMC Services

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SECTION 1: Client information

Company Name	Nikon Corporation
Brand name	Nikon
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 S6
Serial No.		88C11042, 88C11031
Country of Manufacture		Japan
AC Adapter	Model Name :	EH-64
	Rating(output) :	DC4.8V/1.5A
Condition of EUT		Production model
Operation Clock		48MHz
Receipt Date of Sample		November 07, 2005
Category Identified		Portable device

2.2 Product Description

Radio Specification

Wireless LAN Module (IEEE802.11b/g)

Equipment Type	Transceiver
Frequency of Operation	2412-2462 MHz
Type of Modulation	DSSS,OFDM
Mode of Operation	Duplex
Method of frequency generation	Crystal
Power Supply	DC3.2V±0.2V

Antenna

Antenna type	Chip antenna
Antenna Gain	2.14dBi max

FCC 15.31 (e)

This EUT provides stable voltage constantly to 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

[DSSS and other forms of modulation]

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst margin	Results
1	Conducted emission	**FCC:** ANSI C63.4:2003 7. AC powerline conducted emission measurements **IC:** RSS-Gen 7.2.2	**FCC:** Section 15.207 **IC:** RSS-Gen 7.2.2	-	N/A	12.8dB 0.30156MHz, L AV	Complied
2	6dB Bandwidth	**FCC:** ANSI C63.4:2003 13. Measurement of intentional radiators **IC:** RSS-Gen 4.4.2	**FCC:** Section 15.247(a)(2) **IC:** RSS-210 A8.2(1)	Conducted	N/A	*See data.	Complied
3	Maximum Peak Output Power	**FCC:** ANSI C63.4:2003 13. Measurement of intentional radiators **IC:** RSS-Gen 4.6	**FCC:** Section 15.247(b)(3) **IC:** RSS-210 A8.4(4)	Conducted	N/A		Complied
4	Power Density	**FCC:** ANSI C63.4:2003 13. Measurement of intentional radiators **IC:** -	**FCC:** Section 15.247 (e) **IC:** RSS-210 A8.2(2)	Conducted	N/A		Complied
5	Restricted Band Edges	**FCC:** ANSI C63.4:2003 13. Measurement of intentional radiators **IC:** -	**FCC:** Section 15.247 (d) **IC:** RSS-210 A8.5	Conducted/ Radiated	N/A		Complied
6	Spurious Emission	**FCC:** ANSI C63.4:2003 13. Measurement of intentional radiators **IC:** RSS-Gen 4.7 RSS-Gen 4.8	**FCC:** Section 15.247 (d) **IC:** RSS-210 A8.5 RSS-Gen 7.2.1 and 7.2.3	Conducted/ Radiated	N/A	<11b> 9.7dB 17059MHz, AV, Hor 17234MHz, AV, Hor <11g> 3.2dB 2400MHz, PK, Hor	Complied

Note: UL Apex's EMI Work Procedures No.QPM05 and QPM15.
*0) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

*These tests were also referred to "Guidance on Measurement of Digital Transmission Systems Operating under 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-Gen 4.4.1	-	Conducted	N/A	N/A	N/A
2	Co-location & Co-operation (Confirmation testing for Radiated Spurious Emission at simultaneous transmission)	ANSI C63.4:2003 13. Measurement of intentional radiators	Section15.247(d) RSS-210 A8.5	Radiated	N/A	N/A	N/A

3.4 Uncertainty

Conducted Emission
The measurement uncertainty (with a 95% confidence level) for this test is ±1.3dB.
The data listed in this test report has enough margin, more than the site margin.

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.
The data listed in this report meets the limits unless the uncertainty is taken into consideration. (for IEEE 802.11g)
The data listed in this test report has enough margin, more than the site margin.(for IEEE 802.11b)

Other test except Conducted Emission and Spurious Emission (Radiated)
The measurement uncertainty (with a 95% confidence level) for this test is ±3.0dB.

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	IC4247A	19.2 x 11.2 x 7.7m	7.0 x 6.0m	Preparation room
No.2 semi-anechoic chamber	846015	IC4247A-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 frequency band and the modulation used in this test are shown as a following.

IEEE 802.11b mode

1. IEEE 802.11b mode
Operating frequency : 2412-2462MHz
Channel : 1ch(2412MHz), 6ch(2437MHz), 11ch(2462MHz)
Modulation : DSSS (DBPSK,DQPSK,CCK)
Transmitting duty : 100% Duty

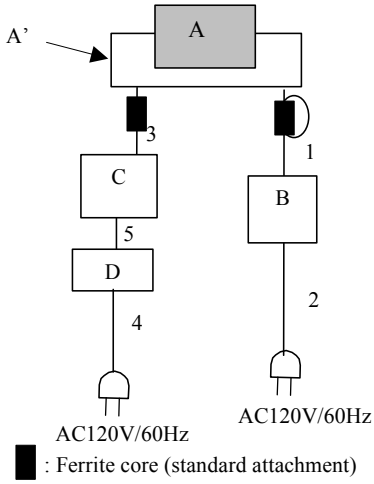
IEEE 802.11g mode

2. IEEE802.11g mode
Operating frequency : 2412 – 2462MHz
Channel : 1ch(2412MHz),6ch(2437MHz),11ch(2462MHz)
Modulation : OFDM [BPSK , QPSK, 16QAM, 64QAM]
Transmitting duty : 100% Duty

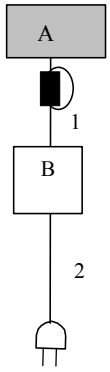
Remarks:
****For Conduced and Radiated emission test, 11b: 11Mbps and 11g: 54Mbps had worst margin.***
****The test result for Receiving mode is excluded since the transmitting mode and receiving mode are the same except for the fundamental and subordinated carrier frequency.***

4.2 Configuration and peripherals

<Conducted emission>



<Radiated emission>



*Cabling was taken into consideration and test data was taken under worse case conditions.
*The configuration for radiated emission test was performed without cradle since this test result had a worst case compared with the test result of EUT with cradle.

Description of EUT and Support equipment

No.	Item	Model number	Serial number	Manufacturer	FCC ID
A	Digital Camera	COOLPIX S6	88C11042 *1), 88C11031 *2)	Nikon	CGJ3142EB
A'	Cradle	COOL STATION MV-15	-	Nikon	-
B	AC Adapter	EH-64	-	KAGA COMPONENTS	-
C	Note PC	CF-LIEA	A99-0994JT	Panasonic	-
D	AC Adapter	CF-AA1639	00047726A	Panasonic	-

*1) Used for Conducted and Radiated emission test/*2) Used for Antenna terminal tests

List of cables used

No.	Name	Length (m)	Shield
1	DC Cable	1.7	N
2	AC Cable	2.0	N
3	USB Cable	1.5	N
4	AC Cable	1.8	N
5	DC Cable	1.9	N

SECTION 5: Conducted Emission

Test Procedure and conditions

EUT was placed on a platform of nominal size, 1.0m 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, 0.5m 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.

The result also satisfied with the general limits specified in section 15.209(a).

Frequency	Below 1GHz	Above 1GHz
Instrument used	Test Receiver	Spectrum Analyzer
Detector IF Bandwidth	QP: BW 120kHz	PK: RBW:1MHz/VBW: 1MHz AV: RBW:1MHz/VBW:10Hz

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.

Test data : APPENDIX 3
Test result : Pass

- 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.

SECTION 7: 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

Conducted Emission

Front

Rear

Spurious Emission (Radiated)

Front

Rear

Worst Case Position (X-axis:Horizontal / Z-axis:Vertical)

X-axis

Y-axis

Z-axis

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
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE / CE	2005/02/02 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	RE/CE/AT	2005/05/19 * 12
MCC-25	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2005/08/30 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2005/02/05 * 12
MHF-02	High Pass Filter	Tokimec	TF323DCA	RE	2005/09/27 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2005/08/30 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2005/01/10 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2005/01/10 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2005/02/24 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2005/09/07 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2004/12/16 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2005/10/10 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2005/10/14 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE	2005/02/04 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	2005/02/24 * 12
MCC-21	Microwave Cable 1G-50GHz	Storm	421-011 (90-011-080)	AT	2005/04/29 * 12
MAT-25	Attenuator	Agilent	8493C	AT	2005/06/03 * 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
AT: Antenna Terminal Conducted Spurious Emission
RE: Radiated Spurious Emission

APPENDIX 3: Data of EMI test

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

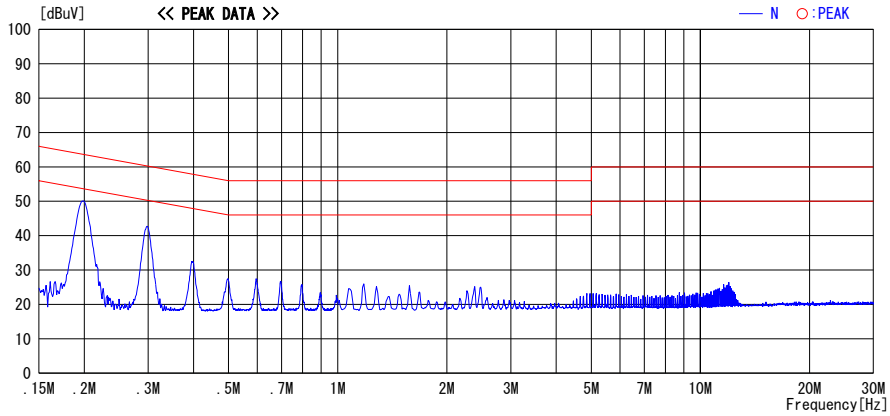
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 15:26:15

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 25deg.C / 33%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting 11b 2412MHz 11Mbps

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



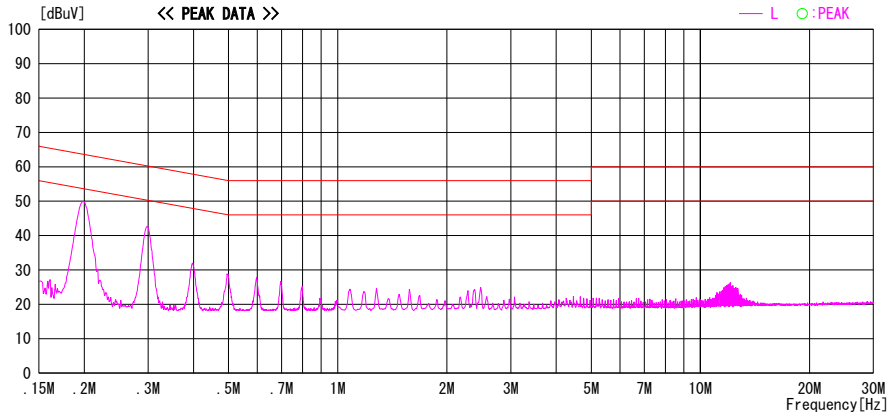


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

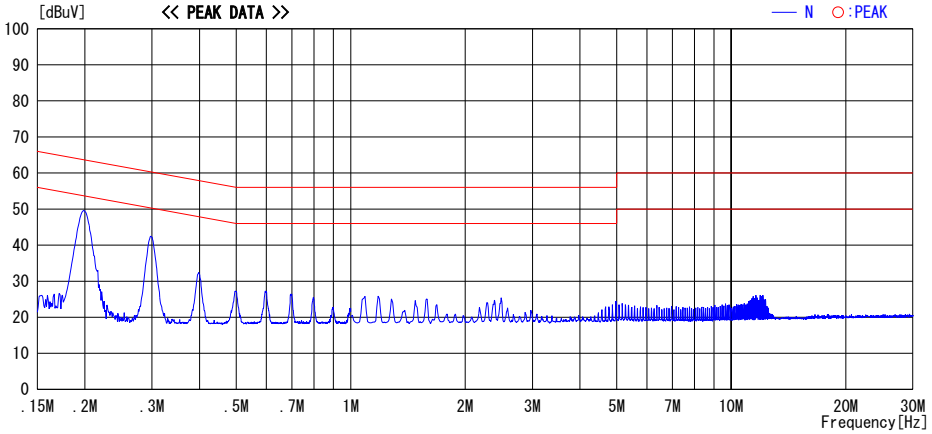
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 15:33:15

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 25deg.C / 33%
Serial No.	: 88C11042	Operator	: Norihisa Hashimoto

Mode / Remarks : Transmitting 11b 2437MHz 11Mbps

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



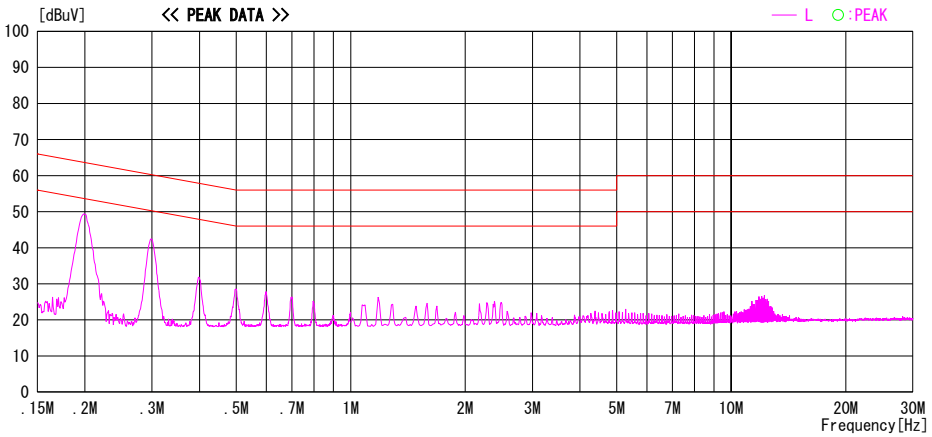


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

The test result of receiving mode does not differ from the above test mode.

DATA OF CONDUCTED EMISSION TEST

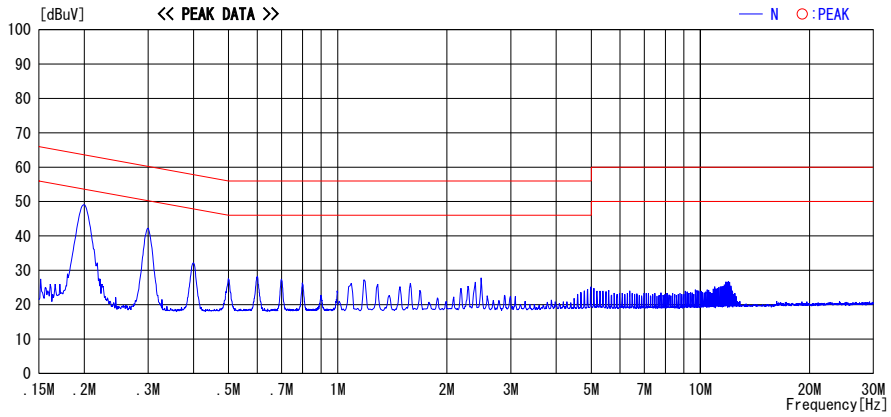
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 15:39:59

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 25deg.C / 33%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting 11b 2462MHz 11Mbps

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



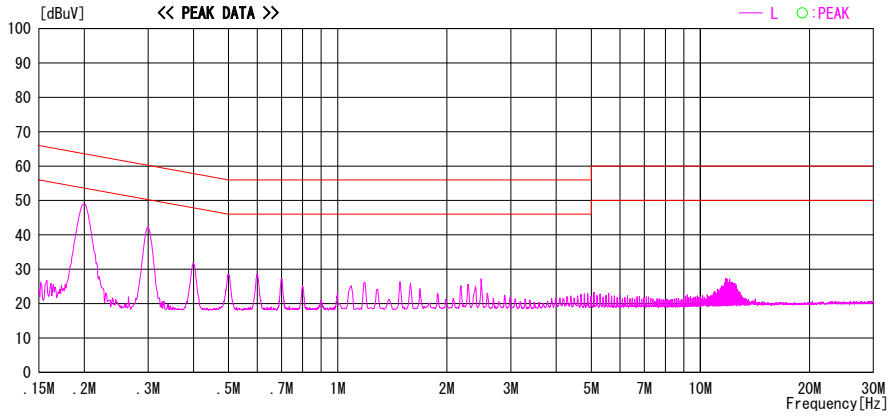


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

DATA OF CONDUCTED EMISSION TEST

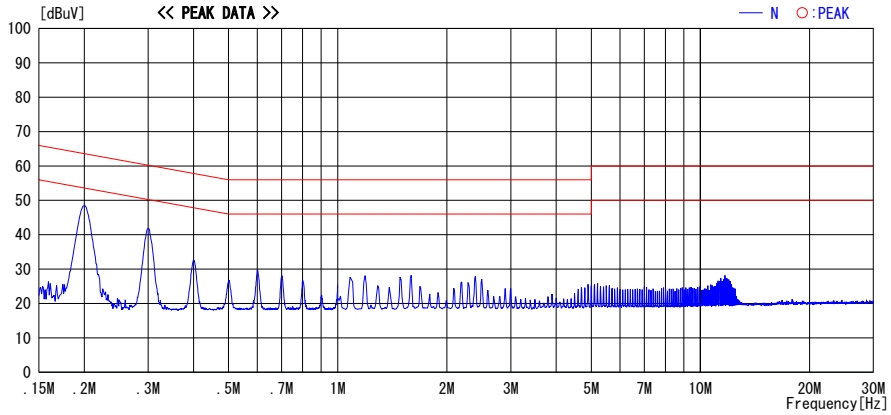
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 15:56:54

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 25deg.C / 33%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting 11g 2412MHz 54Mbps

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



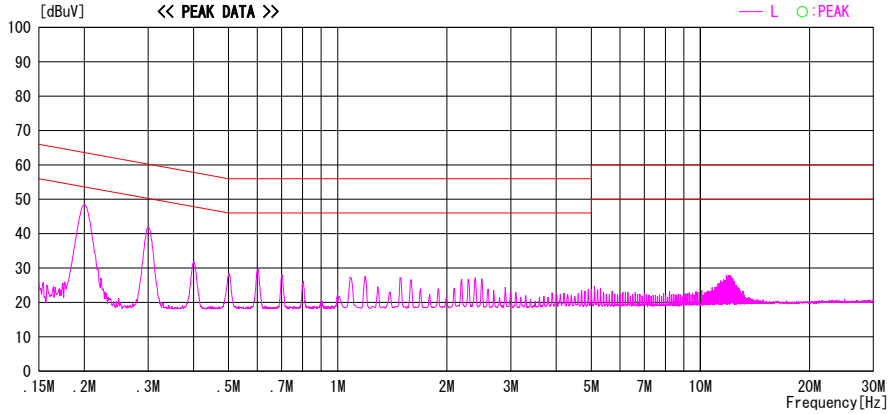


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

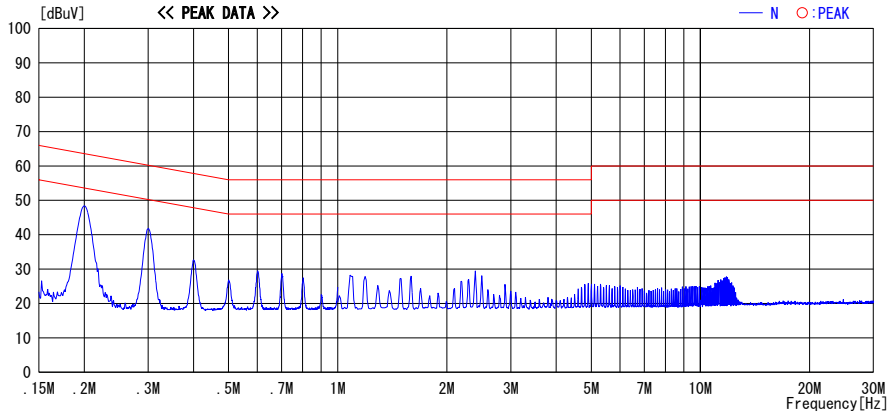
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 16:02:26

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 25deg.C / 33%
Serial No.	: 88C11042	Operator	: Norihisa Hashimoto

Mode / Remarks : Transmitting 11g 2437MHz 54Mbps

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



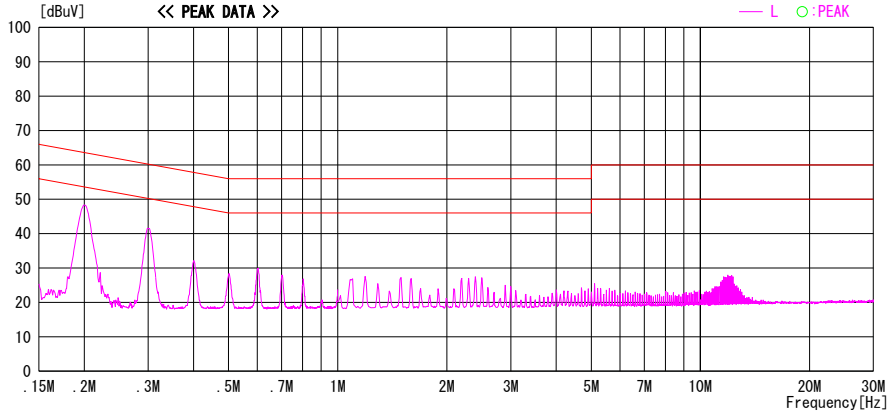


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

The test result of receiving mode does not differ from the above test mode.

DATA OF CONDUCTED EMISSION TEST

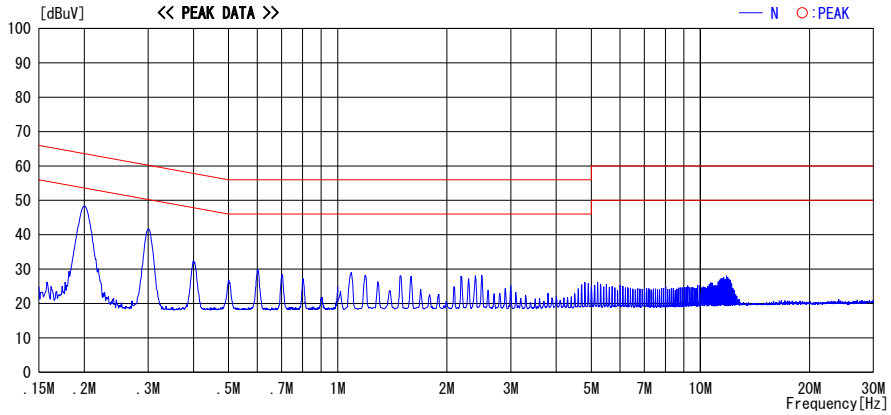
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 16:08:32

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 25deg.C / 33%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting 11g 2462MHz 54Mbps

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



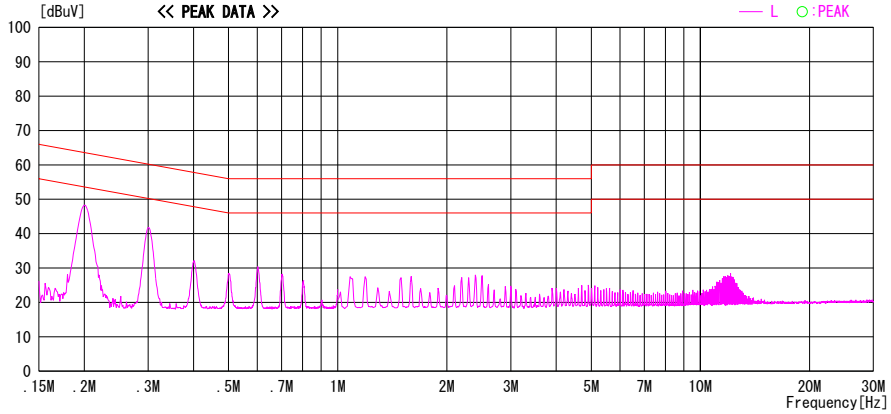


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

DATA OF CONDUCTED EMISSION TEST

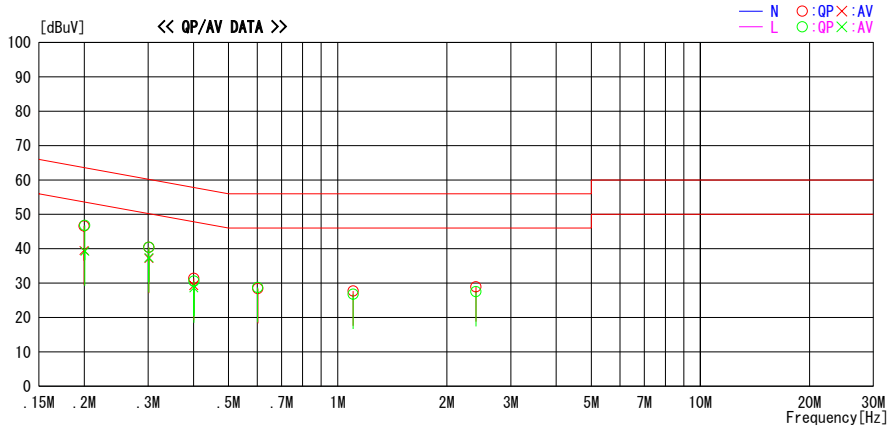
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 16:08:32

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 25deg.C / 33%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting 11g 2462MHz 54Mbps

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



Frequency	Reading Level		Corr.	Results		Limit		Margin		Phase
	QP	AV	Factor	QP	AV	QP	AV	QP	AV	
[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	
0.19976	46.5	39.4	0.1	46.6	39.5	63.6	53.6	17.0	14.1	N
0.30140	40.3	37.1	0.1	40.4	37.2	60.2	50.2	19.8	13.0	N
0.40089	31.3	29.2	0.1	31.4	29.3	57.8	47.8	26.4	18.5	N
0.60223	28.2	-----	0.2	28.4	-----	56.0	-----	27.6	-----	N
1.10371	27.4	-----	0.3	27.7	-----	56.0	-----	28.3	-----	N
2.40650	28.4	-----	0.5	28.9	-----	56.0	-----	27.1	-----	N
0.20066	46.7	39.2	0.1	46.8	39.3	63.6	53.6	16.8	14.3	L
0.30156	40.3	37.3	0.1	40.4	37.4	60.2	50.2	19.8	12.8	L
0.40112	30.5	28.5	0.1	30.6	28.6	57.8	47.8	27.2	19.2	L
0.60173	28.5	-----	0.2	28.7	-----	56.0	-----	27.3	-----	L
1.10237	26.5	-----	0.3	26.8	-----	56.0	-----	29.2	-----	L
2.40654	27.0	-----	0.5	27.5	-----	56.0	-----	28.5	-----	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.

6dB Bandwidth

Company	: Nikon Corporation	REPORT NO	: 26BE0062-HO
Equipment	: Digital Camera	REGULATION	: FCC Part15 Subpart C 15.247(a)(2)
Model	: COOLPIX S6	TEST DISTANCE	: -
Sample No.	: 88C11031	DATE	: 2005/11/11
Power	: AC120V/60Hz(AC Adapter)	TEMPERATURE	: 23℃
Mode	: Tx (ch1,6,11)	HUMIDITY	: 38%
		ENGINEER	: Norihisa Hashimoto

IEEE802.11b_11Mbps

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.570	500.0
Mid	2437.0	9.572	500.0
High	2462.0	9.571	500.0

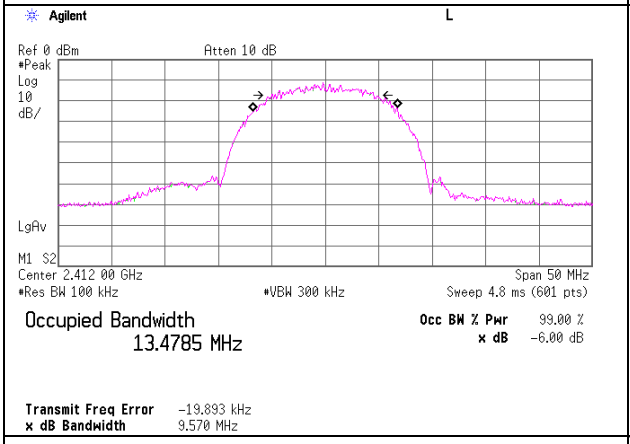
IEEE802.11g_54Mbps

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.620	500.0
Mid	2437.0	16.615	500.0
High	2462.0	16.610	500.0

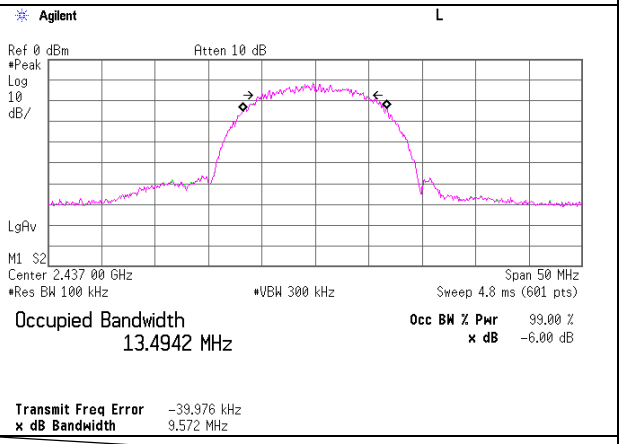
6dB Bandwidth

Tx 11b

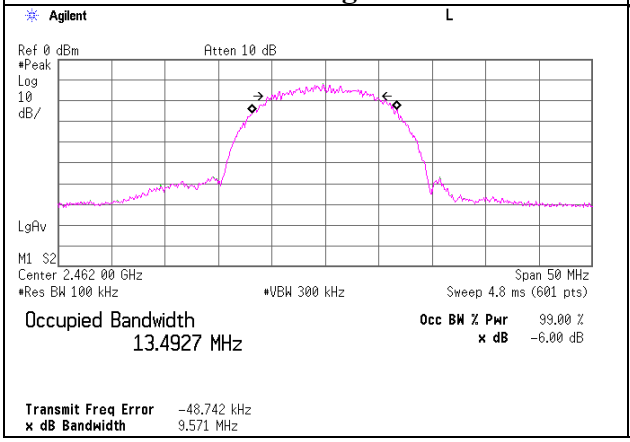
Ch:Low



Ch:Mid

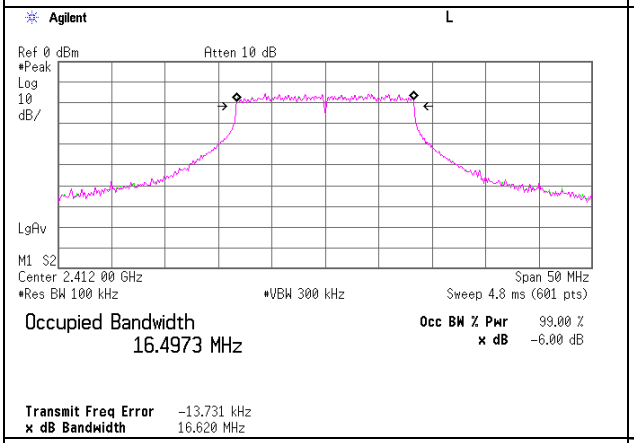


Ch:High

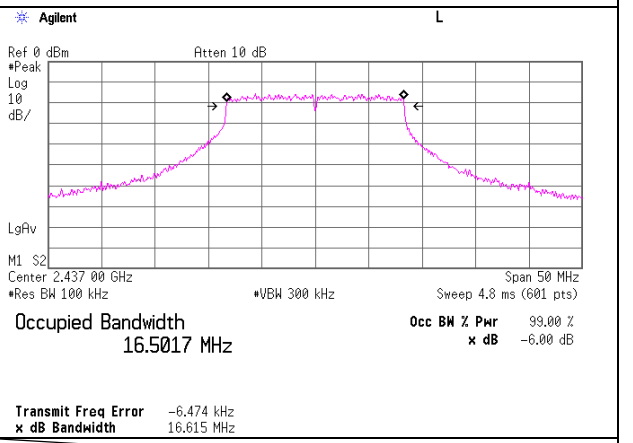


6dB Bandwidth
Tx 11g

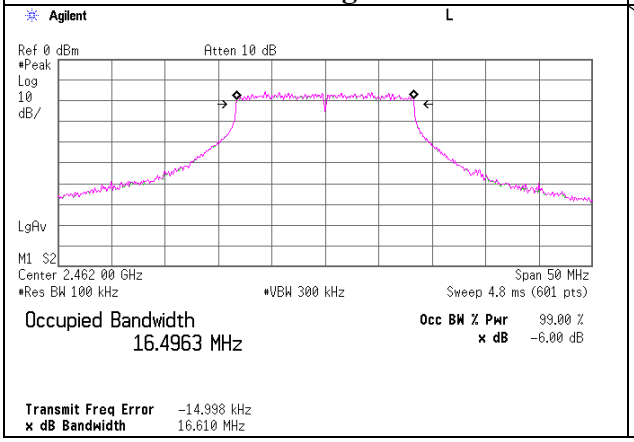
Ch:Low



Ch:Mid



Ch:High



Maximum Peak OutPut Power

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

Company	: Nikon Corporation	REPORT NO	: 26BE0062-HO
Equipment	: Digital Camera	REGULATION	: FCC Part15 Subpart C 15.247(b)(3)
Model	: COOLPIX S6	TEST DISTANCE	: -
Sample No.	: 88C11031	DATE	: 2005/11/07
Power	: AC120V/60Hz(AC Adapter)	TEMPERATURE	: 22℃
Mode	: Tx (ch1,6,11)	HUMIDITY	: 40%
		ENGINEER	: Norihisa Hashimoto

[IEEE802.11b]

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	4.11	2.78	10.00	16.89	30.00	13.11
Mid	2437.0	4.06	2.78	10.00	16.84	30.00	13.16
High	2462.0	3.79	2.78	10.00	16.57	30.00	13.43

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

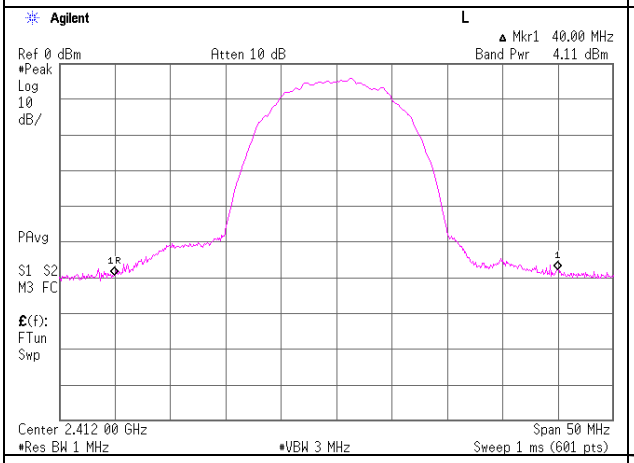
[IEEE802.11g]

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	5.21	2.78	10.00	17.99	30.00	12.01
Mid	2437.0	5.20	2.78	10.00	17.98	30.00	12.02
High	2462.0	4.86	2.78	10.00	17.64	30.00	12.36

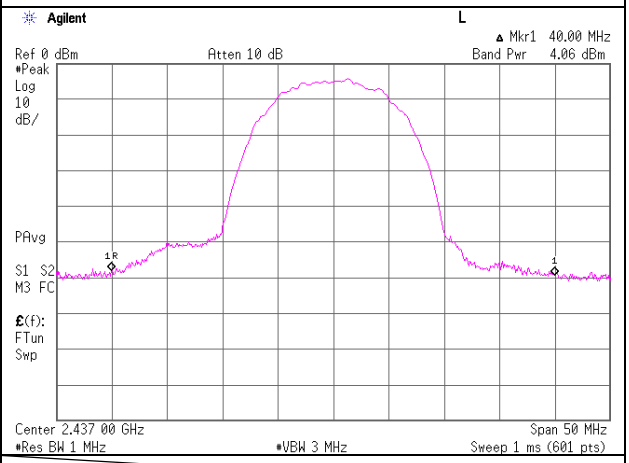
Sample Calculation:
Result = Reading + Cable Loss (supplied by customer) + Attenuator

Maximum Peak OutPut Power
Tx11b

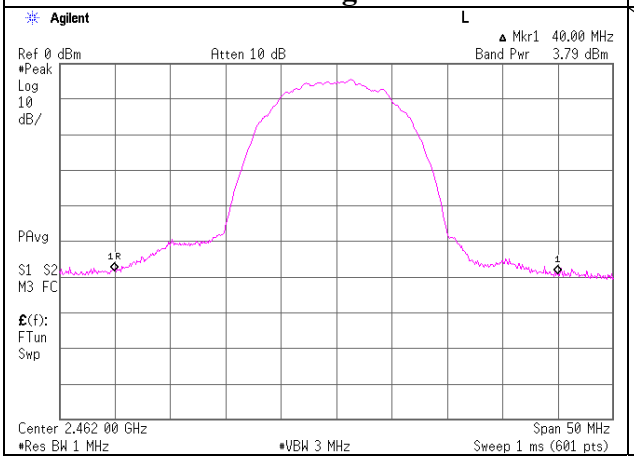
Ch:Low



Ch:Mid

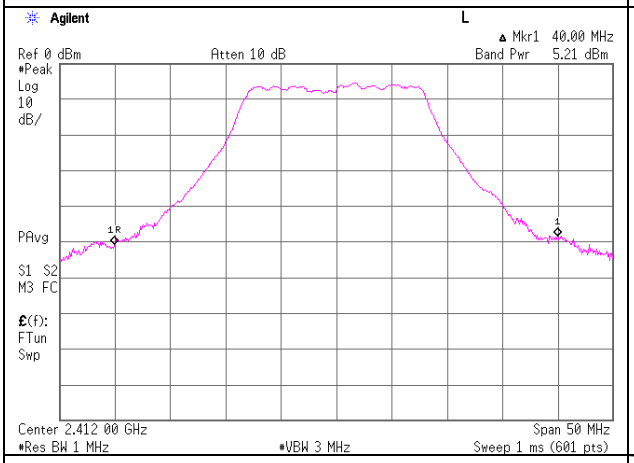


Ch:High

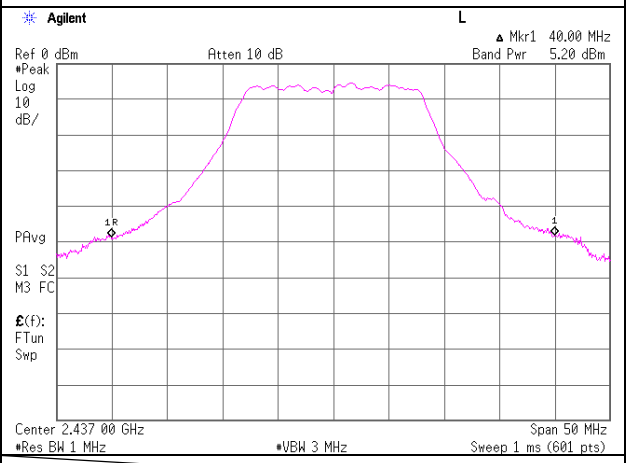


Maximum Peak OutPut Power
Tx 11g

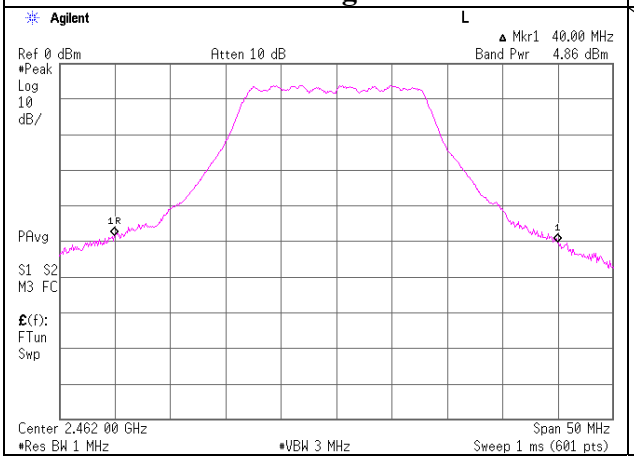
Ch:Low



Ch:Mid



Ch:High



Maximum Peak OutPut Power for SAR testing

The worst rate in the SAR testing

[IEEE802.11g: 12Mbps]						
Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
1	2412	5.12	2.78	10.00	17.90	61.66
6	2437	5.16	2.78	10.00	17.94	62.23
11	2462	3.12	2.78	10.00	15.90	38.90

As for IEEE802.11b, please refer to page 25.

Variation for the data rate

[IEEE802.11b : 2437MHz]						
Ch	Modulation (Data rate [bps])	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
6	DBPSK (1Mbps)	0.94	2.78	10.00	13.72	23.55
6	DQPSK(2Mbps)	0.62	2.78	10.00	13.40	21.88
6	CCK(5.5Mbps)	2.90	2.78	10.00	15.68	36.98
6	CCK(11Mbps)	4.06	2.78	10.00	16.84	48.31

Variation for the data rate

[IEEE802.11g : 2437MHz]						
Ch	Modulation (Data rate [bps])	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
6	BPSK (6Mbps)	4.93	2.78	10.00	17.71	59.02
6	BPSK (9Mbps)	5.14	2.78	10.00	17.92	61.94
6	QPSK(12Mbps)	5.16	2.78	10.00	17.94	62.23
6	QPSK(18Mbps)	5.11	2.78	10.00	17.89	61.52
6	16QAM(24Mbps)	5.14	2.78	10.00	17.92	61.94
6	16QAM(36Mbps)	5.16	2.78	10.00	17.94	62.23
6	64QAM(48Mbps)	5.17	2.78	10.00	17.95	62.37
6	64QAM(54Mbps)	5.20	2.78	10.00	17.98	62.81

Sample Calculation:
Result = Reading + Cable loss (supplied by customer) + Atteneuator
The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

Radiated Spurious Emission

Tx 11b Ch: Low

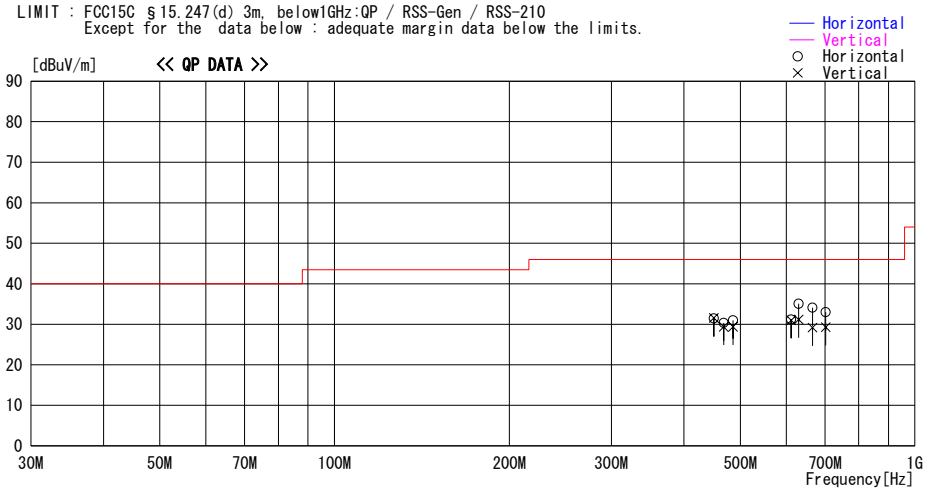
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 04:35:55

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 24deg.C. / 41%
Serial No.	: 88C11042	Operator	: Kenichi Adachi

Mode / Remarks : Transmitting 11b 2412MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
450.000	33.6	QP	17.8	-19.9	31.5	206	100	Hori.	46.0	14.5
450.000	33.7	QP	17.8	-19.9	31.6	166	140	Vert.	46.0	14.4
468.000	31.5	QP	17.8	-19.9	29.4	173	123	Vert.	46.0	16.6
468.000	32.5	QP	17.8	-19.9	30.4	209	100	Hori.	46.0	15.6
486.000	31.6	QP	17.8	-20.0	29.4	170	100	Vert.	46.0	16.6
486.000	33.2	QP	17.8	-20.0	31.0	194	100	Hori.	46.0	15.0
612.000	31.0	QP	19.4	-19.4	31.0	180	116	Vert.	46.0	15.0
612.000	31.2	QP	19.4	-19.4	31.2	204	100	Hori.	46.0	14.8
629.999	34.8	QP	19.6	-19.3	35.1	206	100	Hori.	46.0	10.9
629.999	30.9	QP	19.6	-19.3	31.2	190	194	Vert.	46.0	14.8
665.998	33.2	QP	20.1	-19.2	34.1	23	100	Hori.	46.0	11.9
665.998	28.3	QP	20.1	-19.2	29.2	194	135	Vert.	46.0	16.8
701.999	31.2	QP	20.6	-18.8	33.0	20	100	Hori.	46.0	13.0
701.999	27.5	QP	20.6	-18.8	29.3	190	100	Vert.	46.0	16.7

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

Tx 11b Ch: Low

DATA OF RADIATED EMISSION TEST

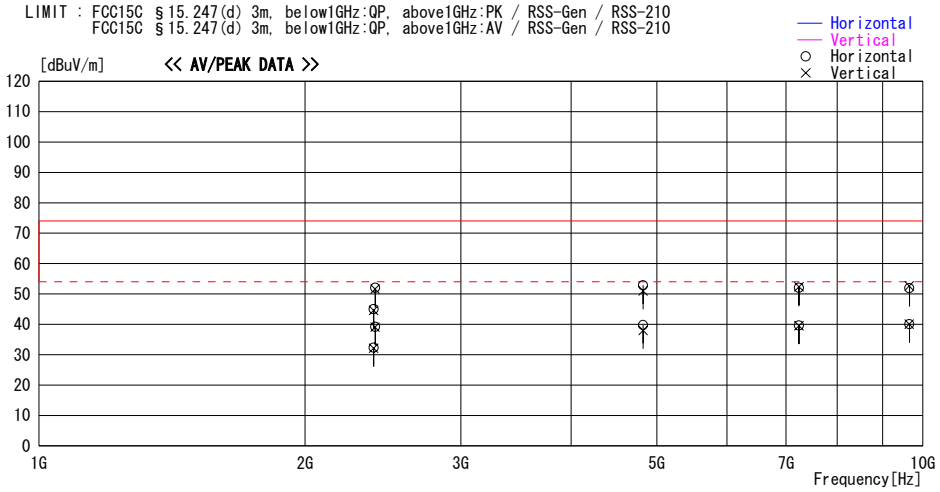
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/07 14:27:56

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 58%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting 11b 2412MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
2390.000	47.9	PK	30.5	-33.4	45.0	Hori.	74.0	29.0
2390.000	47.5	PK	30.5	-33.4	44.6	Vert.	74.0	29.4
2390.000	35.2	AV	30.5	-33.4	32.3	Hori.	54.0	21.7
2390.000	35.0	AV	30.5	-33.4	32.1	Vert.	54.0	21.9
2400.000	54.9	PK	30.5	-33.4	52.0	Hori.	74.0	22.0
2400.000	42.1	AV	30.5	-33.4	39.2	Hori.	54.0	14.8
2400.000	54.5	PK	30.5	-33.4	51.6	Vert.	74.0	22.4
2400.000	42.0	AV	30.5	-33.4	39.1	Vert.	54.0	14.9
4824.000	49.4	PK	35.3	-31.9	52.8	Hori.	74.0	21.2
4824.000	36.4	AV	35.3	-31.9	39.8	Hori.	54.0	14.2
4824.000	47.6	PK	35.3	-31.9	51.0	Vert.	74.0	23.0
4824.000	34.6	AV	35.3	-31.9	38.0	Vert.	54.0	16.0
7236.000	45.1	PK	37.7	-30.8	52.0	Hori.	74.0	22.0
7236.000	32.7	AV	37.7	-30.8	39.6	Hori.	54.0	14.4
7236.000	45.4	PK	37.7	-30.8	52.3	Vert.	74.0	21.7
7236.000	32.7	AV	37.7	-30.8	39.6	Vert.	54.0	14.4
9648.000	45.0	PK	36.9	-30.0	51.9	Hori.	74.0	22.1
9648.000	33.2	AV	36.9	-30.0	40.1	Hori.	54.0	14.0
9648.000	45.7	PK	36.9	-30.0	52.6	Vert.	74.0	21.4
9648.000	33.2	AV	36.9	-30.0	40.1	Vert.	54.0	14.0

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

Tx 11b Ch: Low

DATA OF RADIATED EMISSION TEST

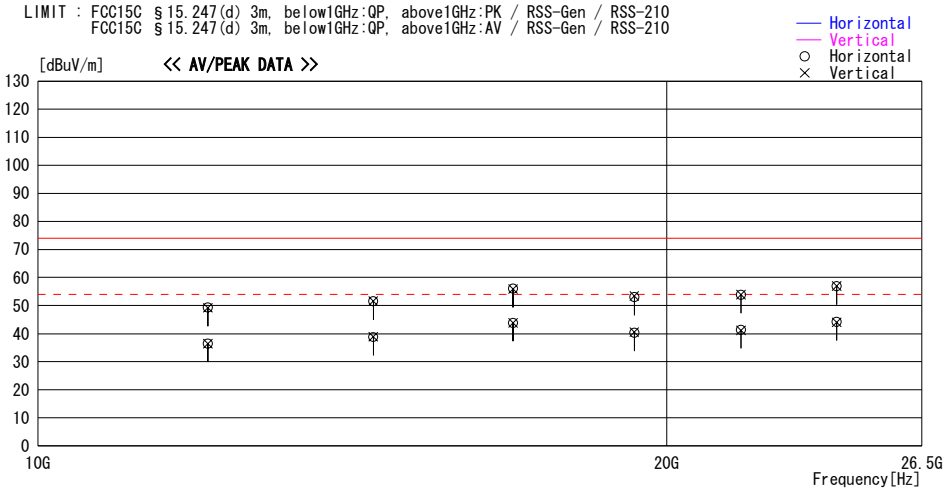
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 01:24:51

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 41%
Operator : Kenichi Adachi

Mode / Remarks : Transmitting 11b 2412MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]		[dBuV/m]	[dB]
12060.000	45.5	PK	41.6	-37.8	49.3	Hori.	74.0	24.7
12060.000	32.6	AV	41.6	-37.8	36.4	Hori.	54.0	17.6
12060.000	45.4	PK	41.6	-37.8	49.2	Vert.	74.0	24.8
12060.000	32.6	AV	41.6	-37.8	36.4	Vert.	54.0	17.6
14472.000	45.2	PK	41.9	-35.6	51.5	Hori.	74.0	22.5
14472.000	32.5	AV	41.9	-35.6	38.8	Hori.	54.0	15.2
14472.000	45.3	PK	41.9	-35.6	51.6	Vert.	74.0	22.4
14472.000	32.6	AV	41.9	-35.6	38.9	Vert.	54.0	15.1
16884.000	46.3	PK	45.2	-35.5	56.0	Hori.	74.0	18.0
16884.000	34.1	AV	45.2	-35.5	43.8	Hori.	54.0	10.2
16884.000	46.2	PK	45.2	-35.5	55.9	Vert.	74.0	18.1
16884.000	34.2	AV	45.2	-35.5	43.9	Vert.	54.0	10.1
19296.000	46.7	PK	40.2	-33.9	53.0	Hori.	74.0	21.0
19296.000	34.0	AV	40.2	-33.9	40.3	Hori.	54.0	13.7
19296.000	47.1	PK	40.2	-33.9	53.4	Vert.	74.0	20.6
19296.000	34.3	AV	40.2	-33.9	40.6	Vert.	54.0	13.4
21708.000	48.2	PK	39.8	-34.2	53.8	Hori.	74.0	20.2
21708.000	35.8	AV	39.8	-34.2	41.4	Hori.	54.0	12.6
21708.000	48.3	PK	39.8	-34.2	53.9	Vert.	74.0	20.1
21708.000	35.6	AV	39.8	-34.2	41.2	Vert.	54.0	12.8
24120.000	50.8	PK	40.4	-34.3	56.9	Hori.	74.0	17.1
24120.000	38.1	AV	40.4	-34.3	44.2	Hori.	54.0	9.8
24120.000	50.9	PK	40.4	-34.3	57.0	Vert.	74.0	17.0
24120.000	38.0	AV	40.4	-34.3	44.1	Vert.	54.0	9.9

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

Tx 11b Ch: Mid

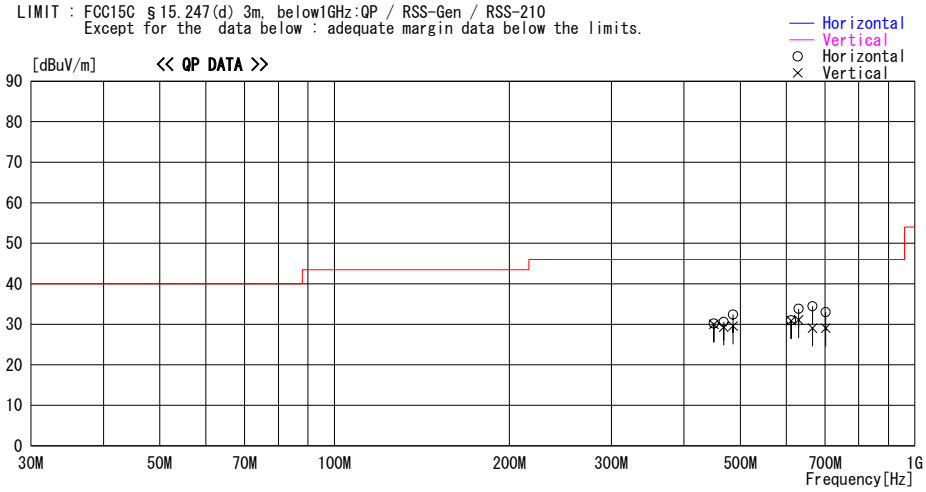
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 04:11:07

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 24deg.C. / 41%
Serial No.	: 88C11042	Operator	: Kenichi Adachi

Mode / Remarks : Transmitting 11b 2437MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
450.000	32.3	QP	17.8	-19.9	30.2	194	100	Hori.	46.0	15.8
450.000	32.1	QP	17.8	-19.9	30.0	156	138	Vert.	46.0	16.0
467.999	32.7	QP	17.8	-19.9	30.6	198	100	Hori.	46.0	15.4
467.999	31.4	QP	17.8	-19.9	29.3	170	124	Vert.	46.0	16.7
486.000	34.6	QP	17.8	-20.0	32.4	206	100	Hori.	46.0	13.6
486.000	31.8	QP	17.8	-20.0	29.6	169	115	Vert.	46.0	16.4
612.000	31.0	QP	19.4	-19.4	31.0	210	100	Hori.	46.0	15.0
612.000	30.9	QP	19.4	-19.4	30.9	181	196	Vert.	46.0	15.1
630.000	30.8	QP	19.6	-19.3	31.1	189	167	Vert.	46.0	14.9
630.001	33.5	QP	19.6	-19.3	33.8	0	100	Hori.	46.0	12.2
665.997	28.2	QP	20.1	-19.2	29.1	190	133	Vert.	46.0	16.9
665.997	33.6	QP	20.1	-19.2	34.5	30	100	Hori.	46.0	11.5
701.999	31.2	QP	20.6	-18.8	33.0	197	100	Hori.	46.0	13.0
701.999	27.3	QP	20.6	-18.8	29.1	195	100	Vert.	46.0	16.9

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)

The test result of receiving mode does not differ from the above test mode.

Radiated Spurious Emission

Tx 11b Ch: Mid

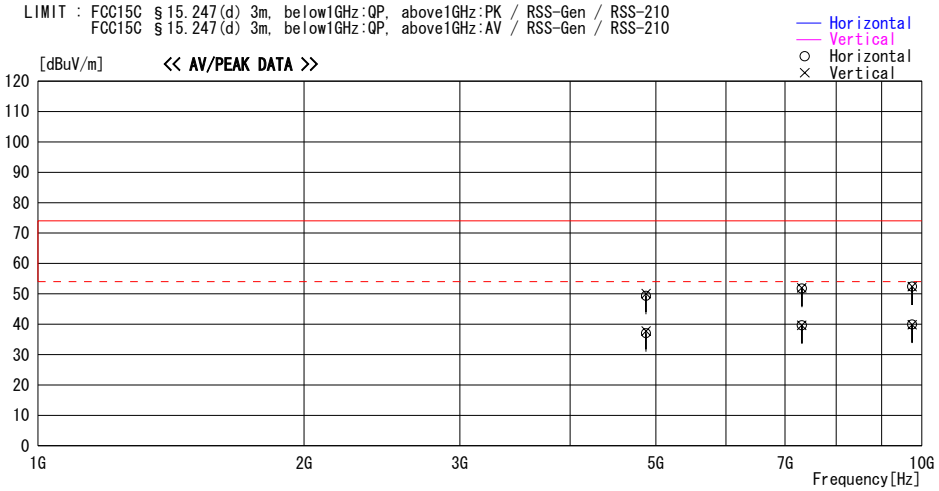
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/07 16:42:24

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 24deg.C. / 58%
Serial No.	: 88C11042	Operator	: Norihisa Hashimoto

Mode / Remarks : Transmitting 11b 2437MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]		[dBuV/m]	[dB]
4874.000	45.6	PK	35.6	-31.9	49.3	Hori.	74.0	24.7
4874.000	46.4	PK	35.6	-31.9	50.1	Vert.	74.0	23.9
4874.000	33.3	AV	35.6	-31.9	37.0	Hori.	54.0	17.0
4874.000	34.1	AV	35.6	-31.9	37.8	Vert.	54.0	16.2
7311.000	44.8	PK	37.9	-30.8	51.9	Vert.	74.0	22.1
7311.000	32.6	AV	37.9	-30.8	39.7	Vert.	54.0	14.4
7311.000	44.6	PK	37.9	-30.8	51.7	Hori.	74.0	22.3
7311.000	32.6	AV	37.9	-30.8	39.7	Hori.	54.0	14.3
9748.000	45.6	PK	36.8	-30.0	52.4	Vert.	74.0	21.7
9748.000	33.0	AV	36.8	-30.0	39.8	Vert.	54.0	14.2
9748.000	45.6	PK	36.8	-30.0	52.4	Hori.	74.0	21.6
9748.000	33.1	AV	36.8	-30.0	39.9	Hori.	54.0	14.1

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)

The test result for Receiving mode is excluded since the transmitting mode and receiving mode are the same except for the fundamental and subordinated carrier frequency.

Radiated Spurious Emission

Tx 11b Ch: Mid

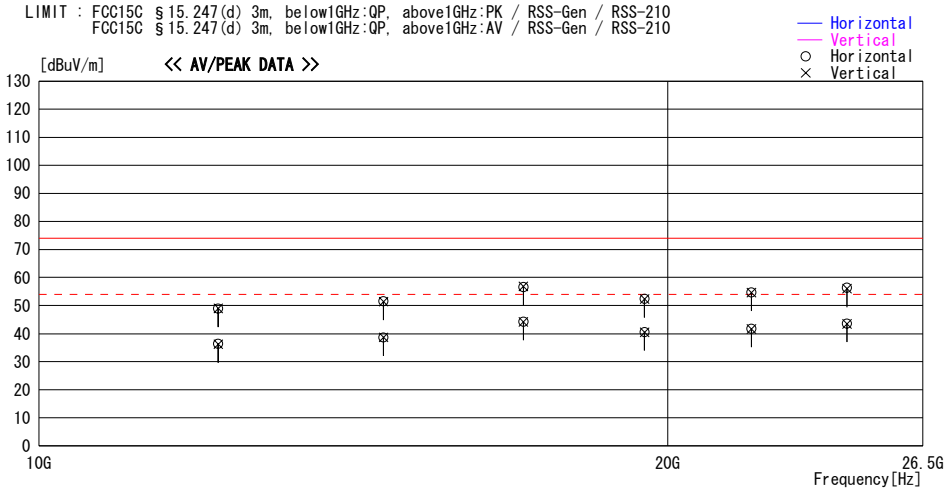
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 01:45:31

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 24deg.C. / 41%
Serial No.	: 88C11042	Operator	: Kenichi Adachi

Mode / Remarks : Transmitting 11b 2437MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
12185.000	45.0	PK	41.6	-37.7	48.9	Hori.	74.0	25.1
12185.000	32.4	AV	41.6	-37.7	36.3	Hori.	54.0	17.7
12185.000	45.1	PK	41.6	-37.7	49.0	Vert.	74.0	25.0
12185.000	32.3	AV	41.6	-37.7	36.2	Vert.	54.0	17.8
14622.000	45.5	PK	42.1	-36.1	51.5	Hori.	74.0	22.5
14622.000	32.6	AV	42.1	-36.1	38.6	Hori.	54.0	15.4
14622.000	45.4	PK	42.1	-36.1	51.4	Vert.	74.0	22.6
14622.000	32.7	AV	42.1	-36.1	38.7	Vert.	54.0	15.3
17059.000	46.6	PK	45.3	-35.3	56.6	Hori.	74.0	17.4
17059.000	34.3	AV	45.3	-35.3	44.3	Hori.	54.0	9.7
17059.000	46.8	PK	45.3	-35.3	56.8	Vert.	74.0	17.2
17059.000	34.2	AV	45.3	-35.3	44.2	Vert.	54.0	9.8
19496.000	46.1	PK	40.3	-34.0	52.4	Hori.	74.0	21.6
19496.000	34.3	AV	40.3	-34.0	40.6	Hori.	54.0	13.4
19496.000	46.0	PK	40.3	-34.0	52.3	Vert.	74.0	21.7
19496.000	34.2	AV	40.3	-34.0	40.5	Vert.	54.0	13.5
21933.000	48.6	PK	39.8	-33.7	54.7	Hori.	74.0	19.3
21933.000	35.7	AV	39.8	-33.7	41.8	Hori.	54.0	12.2
21933.000	48.5	PK	39.8	-33.7	54.6	Vert.	74.0	19.4
21933.000	35.6	AV	39.8	-33.7	41.7	Vert.	54.0	12.3
24370.000	50.3	PK	40.4	-34.4	56.3	Hori.	74.0	17.7
24370.000	37.6	AV	40.4	-34.4	43.6	Hori.	54.0	10.4
24370.000	50.0	PK	40.4	-34.4	56.0	Vert.	74.0	18.0
24370.000	37.5	AV	40.4	-34.4	43.5	Vert.	54.0	10.5

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)

The test result for Receiving mode is excluded since the transmitting mode and receiving mode are the same except for the fundamental and subordinated carrier frequency.

Radiated Spurious Emission

Tx 11b Ch: High

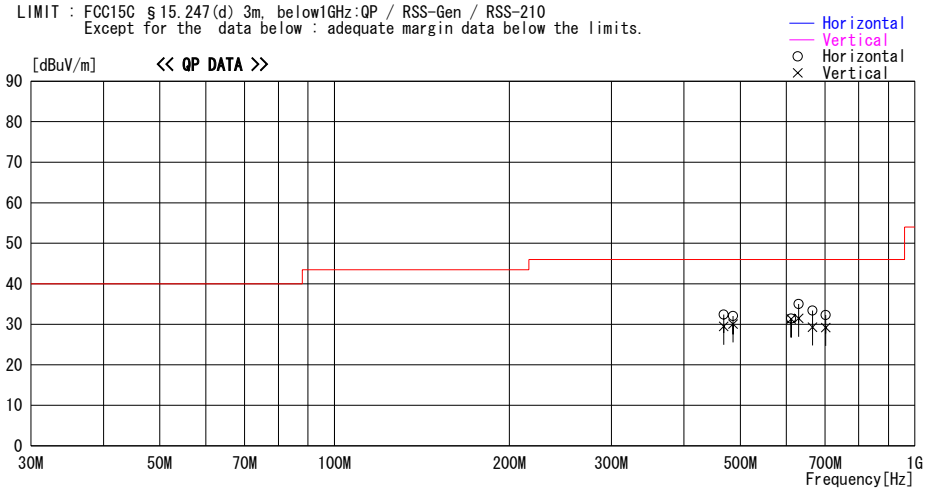
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 03:32:51

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 24deg.C. / 41%
Serial No.	: 88C11042	Operator	: Kenichi Adachi

Mode / Remarks : Transmitting 11b 2462MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
467.999	34.5	QP	17.8	-19.9	32.4	180	100	Hori.	46.0	13.6
467.999	31.6	QP	17.8	-19.9	29.5	165	125	Vert.	46.0	16.5
486.000	34.3	QP	17.8	-20.0	32.1	180	100	Hori.	46.0	13.9
486.000	32.3	QP	17.8	-20.0	30.1	165	117	Vert.	46.0	15.9
612.000	31.4	QP	19.4	-19.4	31.4	180	100	Hori.	46.0	14.6
612.000	31.3	QP	19.4	-19.4	31.3	176	197	Vert.	46.0	14.7
629.999	34.7	QP	19.6	-19.3	35.0	0	100	Hori.	46.0	11.0
629.999	31.2	QP	19.6	-19.3	31.5	191	168	Vert.	46.0	14.5
665.997	32.5	QP	20.1	-19.2	33.4	337	100	Hori.	46.0	12.6
665.997	28.4	QP	20.1	-19.2	29.3	188	134	Vert.	46.0	16.7
701.998	30.5	QP	20.6	-18.8	32.3	185	100	Hori.	46.0	13.7
701.998	27.4	QP	20.6	-18.8	29.2	195	100	Vert.	46.0	16.8

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

Tx 11b Ch: High

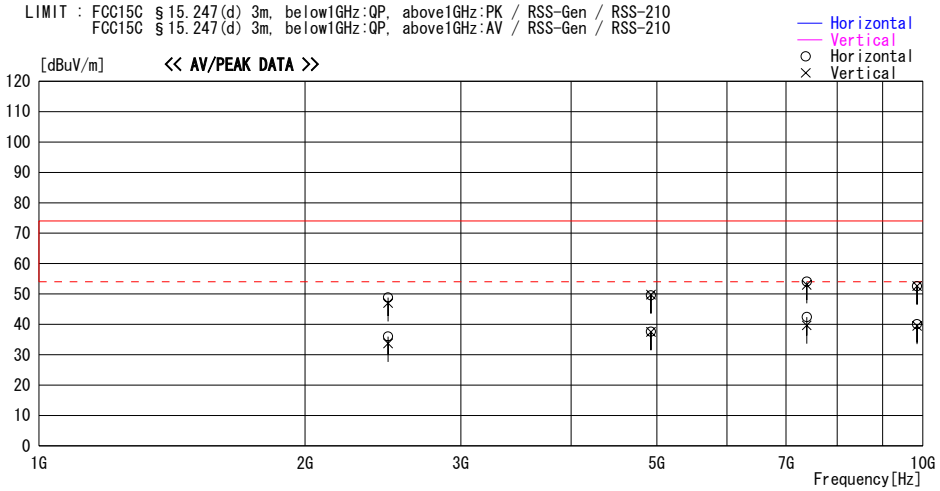
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/07 17:12:48

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 24deg.C. / 58%
Serial No.	: 88C11042	Operator	: Norihisa Hashimoto

Mode / Remarks : Transmitting 11b 2462MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
2483.500	51.7	PK	30.5	-33.4	48.8	Hori.	74.0	25.2
2483.500	49.9	PK	30.5	-33.4	47.0	Vert.	74.0	27.0
2483.500	38.9	AV	30.5	-33.4	36.0	Hori.	54.0	18.0
2483.500	36.6	AV	30.5	-33.4	33.7	Vert.	54.0	20.3
4924.000	45.7	PK	35.9	-31.8	49.8	Vert.	74.0	24.3
4924.000	33.4	AV	35.9	-31.8	37.5	Vert.	54.0	16.5
4924.000	45.4	PK	35.9	-31.8	49.5	Hori.	74.0	24.5
4924.000	33.5	AV	35.9	-31.8	37.6	Hori.	54.0	16.4
7386.000	45.8	PK	38.0	-30.8	53.0	Vert.	74.0	21.0
7386.000	32.5	AV	38.0	-30.8	39.7	Vert.	54.0	14.3
7386.000	35.2	AV	38.0	-30.8	42.4	Hori.	54.0	11.6
7386.000	46.9	PK	38.0	-30.8	54.1	Hori.	74.0	19.9
9848.000	45.9	PK	36.7	-30.0	52.6	Vert.	74.0	21.4
9848.000	32.8	AV	36.7	-30.0	39.5	Vert.	54.0	14.5
9848.000	33.4	AV	36.7	-30.0	40.1	Hori.	54.0	13.9
9848.000	45.9	PK	36.7	-30.0	52.6	Hori.	74.0	21.4

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

Tx 11b Ch: High

DATA OF RADIATED EMISSION TEST

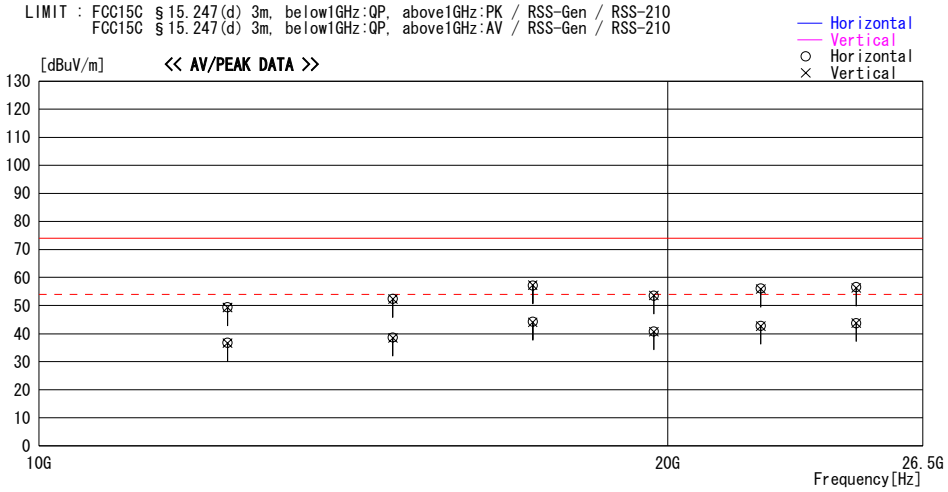
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 02:01:35

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 41%
Operator : Kenichi Adachi

Mode / Remarks : Transmitting 11b 2462MHz 11Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]		[dBuV/m]	[dB]
12310.000	45.2	PK	41.7	-37.5	49.4	Hori.	74.0	24.6
12310.000	32.5	AV	41.7	-37.5	36.7	Hori.	54.0	17.3
12310.000	45.1	PK	41.7	-37.5	49.3	Vert.	74.0	24.7
12310.000	32.4	AV	41.7	-37.5	36.6	Vert.	54.0	17.4
14772.000	46.6	PK	42.4	-36.6	52.4	Hori.	74.0	21.6
14772.000	32.8	AV	42.4	-36.6	38.6	Hori.	54.0	15.4
14772.000	46.5	PK	42.4	-36.6	52.3	Vert.	74.0	21.7
14772.000	32.7	AV	42.4	-36.6	38.5	Vert.	54.0	15.5
17234.000	47.5	PK	44.9	-35.3	57.1	Hori.	74.0	16.9
17234.000	34.7	AV	44.9	-35.3	44.3	Hori.	54.0	9.7
17234.000	47.7	PK	44.9	-35.3	57.3	Vert.	74.0	16.7
17234.000	34.5	AV	44.9	-35.3	44.1	Vert.	54.0	9.9
19696.000	47.5	PK	40.3	-34.3	53.5	Hori.	74.0	20.5
19696.000	34.8	AV	40.3	-34.3	40.8	Hori.	54.0	13.2
19696.000	47.6	PK	40.3	-34.3	53.6	Vert.	74.0	20.4
19696.000	34.7	AV	40.3	-34.3	40.7	Vert.	54.0	13.3
22158.000	49.9	PK	39.8	-33.6	56.1	Hori.	74.0	17.9
22158.000	36.6	AV	39.8	-33.6	42.8	Hori.	54.0	11.2
22158.000	49.7	PK	39.8	-33.6	55.9	Vert.	74.0	18.1
22158.000	36.5	AV	39.8	-33.6	42.7	Vert.	54.0	11.3
24620.000	50.2	PK	40.5	-34.1	56.6	Hori.	74.0	17.4
24620.000	37.3	AV	40.5	-34.1	43.7	Hori.	54.0	10.3
24620.000	49.9	PK	40.5	-34.1	56.3	Vert.	74.0	17.7
24620.000	37.4	AV	40.5	-34.1	43.8	Vert.	54.0	10.2

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

Tx 11g, Ch: Low

DATA OF RADIATED EMISSION TEST

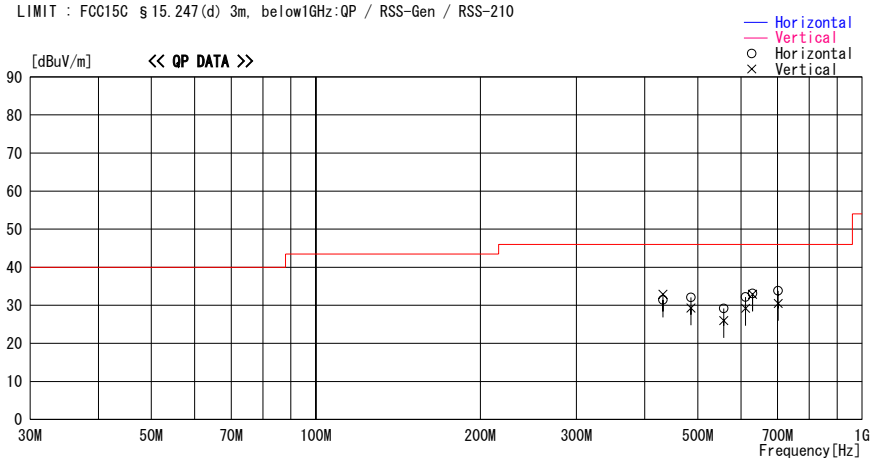
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 11:02:27

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 58%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting 11g 2412MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg.]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
432.001	33.7	QP	17.8	-20.1	31.4	225	100	Hori.	46.0	14.6
432.001	35.2	QP	17.8	-20.1	32.9	190	137	Vert.	46.0	13.1
486.006	34.3	QP	17.8	-20.0	32.1	214	100	Hori.	46.0	13.9
486.002	31.5	QP	17.8	-20.0	29.3	170	110	Vert.	46.0	16.7
558.001	30.3	QP	18.6	-19.7	29.2	205	100	Hori.	46.0	16.8
558.004	27.1	QP	18.6	-19.7	26.0	176	100	Vert.	46.0	20.0
612.001	32.2	QP	19.4	-19.4	32.2	1	100	Hori.	46.0	13.8
612.002	29.2	QP	19.4	-19.4	29.2	122	216	Vert.	46.0	16.8
630.002	32.8	QP	19.6	-19.3	33.1	360	100	Hori.	46.0	12.9
630.002	32.6	QP	19.6	-19.3	32.9	360	221	Vert.	46.0	13.1
702.002	32.0	QP	20.6	-18.8	33.8	209	100	Hori.	46.0	12.2
702.003	28.7	QP	20.6	-18.8	30.5	1	186	Vert.	46.0	15.5

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

Tx 11g, Ch: Low

DATA OF RADIATED EMISSION TEST

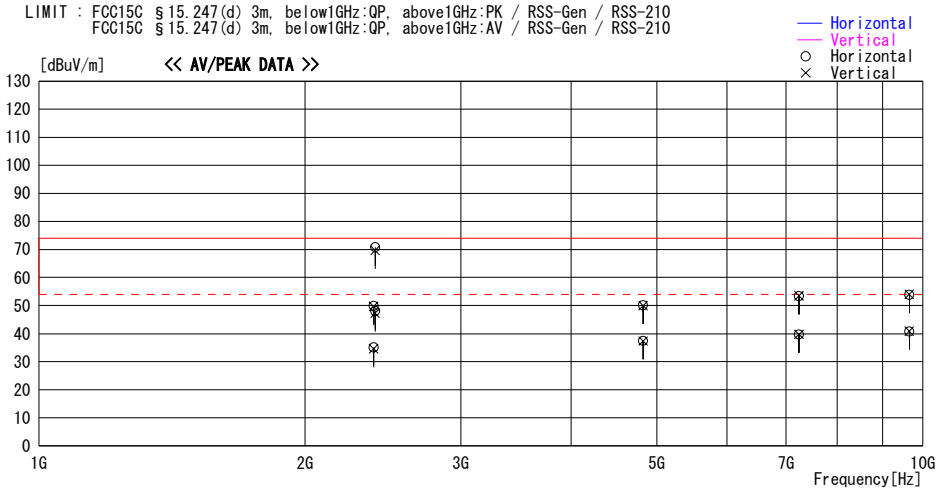
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/07 21:35:04

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 41%
Operator : Kenichi Adachi

Mode / Remarks : Transmitting 11g 2412MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
2390.000	52.6	PK	30.5	-33.4	49.7	Vert.	74.0	24.3
2390.000	37.5	AV	30.5	-33.4	34.6	Vert.	54.0	19.4
2390.000	52.8	PK	30.5	-33.4	49.9	Hori.	74.0	24.1
2390.000	38.0	AV	30.5	-33.4	35.1	Hori.	54.0	18.9
2400.000	73.7	PK	30.5	-33.4	70.8	Hori.	74.0	3.2
2400.000	51.0	AV	30.5	-33.4	48.1	Hori.	54.0	5.9
2400.000	72.6	PK	30.5	-33.4	69.7	Vert.	74.0	4.3
2400.000	50.2	AV	30.5	-33.4	47.3	Vert.	54.0	6.7
4824.000	45.9	PK	35.3	-31.1	50.1	Hori.	74.0	23.9
4824.000	33.2	AV	35.3	-31.1	37.4	Hori.	54.0	16.6
4824.000	45.8	PK	35.3	-31.1	50.0	Vert.	74.0	24.0
4824.000	33.2	AV	35.3	-31.1	37.4	Vert.	54.0	16.6
7236.000	46.1	PK	37.7	-30.5	53.3	Hori.	74.0	20.7
7236.000	32.5	AV	37.7	-30.5	39.7	Hori.	54.0	14.3
7236.000	46.3	PK	37.7	-30.5	53.5	Vert.	74.0	20.5
7236.000	32.6	AV	37.7	-30.5	39.8	Vert.	54.0	14.3
9648.000	46.2	PK	36.9	-29.3	53.8	Hori.	74.0	20.2
9648.000	33.2	AV	36.9	-29.3	40.8	Hori.	54.0	13.2
9648.000	46.4	PK	36.9	-29.3	54.0	Vert.	74.0	20.0
9648.000	33.3	AV	36.9	-29.3	40.9	Vert.	54.0	13.1

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

Tx 11g, Ch: Low

DATA OF RADIATED EMISSION TEST

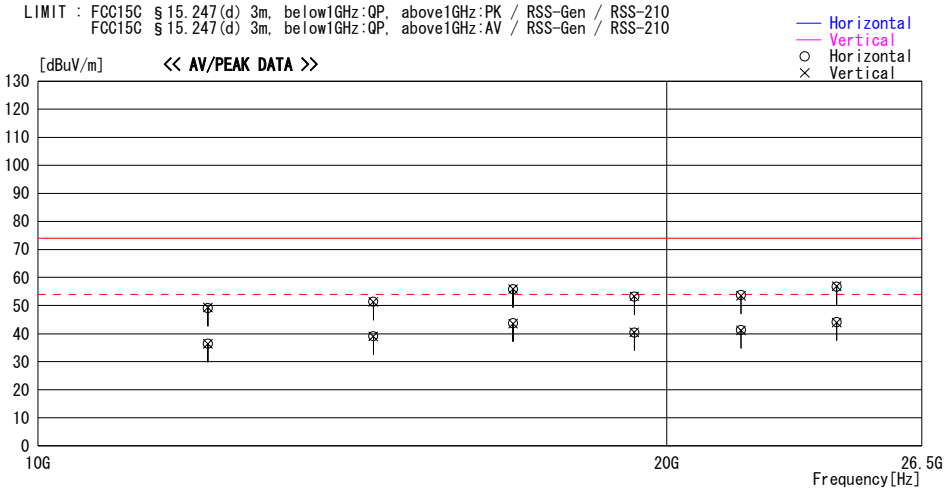
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 01:05:24

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 41%
Operator : Kenichi Adachi

Mode / Remarks : Transmitting 11g 2412MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]		[dBuV/m]	[dB]
12060.000	45.3	PK	41.6	-37.8	49.1	Hori.	74.0	24.9
12060.000	32.6	AV	41.6	-37.8	36.4	Hori.	54.0	17.6
12060.000	45.5	PK	41.6	-37.8	49.3	Vert.	74.0	24.7
12060.000	32.5	AV	41.6	-37.8	36.3	Vert.	54.0	17.7
14472.000	45.1	PK	41.9	-35.6	51.4	Hori.	74.0	22.6
14472.000	32.8	AV	41.9	-35.6	39.1	Hori.	54.0	14.9
14472.000	45.0	PK	41.9	-35.6	51.3	Vert.	74.0	22.7
14472.000	32.7	AV	41.9	-35.6	39.0	Vert.	54.0	15.0
16884.000	46.1	PK	45.2	-35.5	55.8	Hori.	74.0	18.2
16884.000	34.0	AV	45.2	-35.5	43.7	Hori.	54.0	10.3
16884.000	46.2	PK	45.2	-35.5	55.9	Vert.	74.0	18.1
16884.000	33.9	AV	45.2	-35.5	43.6	Vert.	54.0	10.4
19296.000	46.9	PK	40.2	-33.9	53.2	Hori.	74.0	20.8
19296.000	34.1	AV	40.2	-33.9	40.4	Hori.	54.0	13.6
19296.000	47.0	PK	40.2	-33.9	53.3	Vert.	74.0	20.7
19296.000	34.2	AV	40.2	-33.9	40.5	Vert.	54.0	13.5
21708.000	48.1	PK	39.8	-34.2	53.7	Hori.	74.0	20.3
21708.000	35.7	AV	39.8	-34.2	41.3	Hori.	54.0	12.7
21708.000	47.9	PK	39.8	-34.2	53.5	Vert.	74.0	20.5
21708.000	35.6	AV	39.8	-34.2	41.2	Vert.	54.0	12.8
24120.000	50.6	PK	40.4	-34.3	56.7	Hori.	74.0	17.3
24120.000	38.0	AV	40.4	-34.3	44.1	Hori.	54.0	9.9
24120.000	50.8	PK	40.4	-34.3	56.9	Vert.	74.0	17.1
24120.000	37.9	AV	40.4	-34.3	44.0	Vert.	54.0	10.0

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

Tx 11g, Ch: Mid

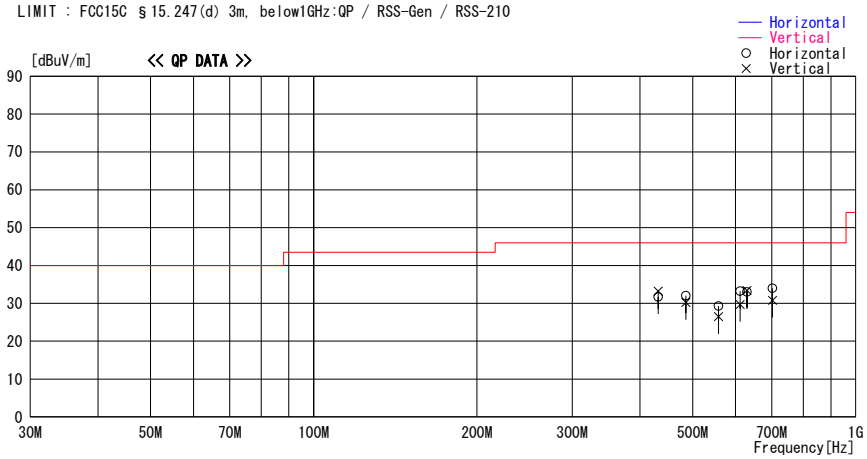
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 13:28:20

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 24deg.C. / 58%
Serial No.	: 88C11042	Operator	: Norihisa Hashimoto

Mode / Remarks : Transmitting 11g 2437MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
432.002	34.0	QP	17.8	-20.1	31.7	229	100	Hori.	46.0	14.3
432.002	35.5	QP	17.8	-20.1	33.2	185	129	Vert.	46.0	12.8
486.005	34.2	QP	17.8	-20.0	32.0	221	100	Hori.	46.0	14.0
486.001	32.4	QP	17.8	-20.0	30.2	200	112	Vert.	46.0	15.8
558.000	30.4	QP	18.6	-19.7	29.3	216	100	Hori.	46.0	16.7
558.004	27.6	QP	18.6	-19.7	26.5	182	103	Vert.	46.0	19.5
612.002	33.2	QP	19.4	-19.4	33.2	353	100	Hori.	46.0	12.8
612.005	29.7	QP	19.4	-19.4	29.7	132	197	Vert.	46.0	16.3
629.997	32.7	QP	19.6	-19.3	33.0	1	100	Hori.	46.0	13.0
630.000	33.1	QP	19.6	-19.3	33.4	0	203	Vert.	46.0	12.6
702.007	32.2	QP	20.6	-18.8	34.0	189	100	Hori.	46.0	12.0
702.007	29.0	QP	20.6	-18.8	30.8	359	182	Vert.	46.0	15.2

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)

The test result of receiving mode does not differ from the above test mode.

Radiated Spurious Emission

Tx 11g, Ch: Mid

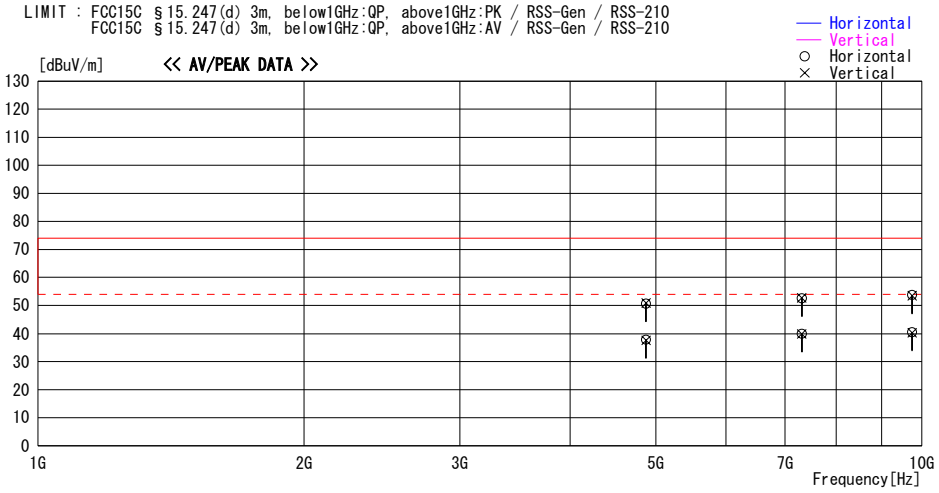
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/07 22:22:44

Applicant	: Nikon Corporation	Report No.	: 26BE0062-HO
Kind of EUT	: Digital Camera	Power	: AC120V/60Hz (AC Adapter)
Model No.	: COOLPIX S6	Temp./Humi.	: 24deg.C. / 41%
Serial No.	: 88C11042	Operator	: Kenichi Adachi

Mode / Remarks : Transmitting 11g 2437MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]		[dBuV/m]	[dB]
4874.000	46.4	PK	35.6	-31.1	50.9	Vert.	74.0	23.1
4874.000	33.1	AV	35.6	-31.1	37.6	Vert.	54.0	16.4
4874.000	46.2	PK	35.6	-31.1	50.7	Hori.	74.0	23.3
4874.000	33.3	AV	35.6	-31.1	37.8	Hori.	54.0	16.2
7311.000	45.3	PK	37.9	-30.5	52.7	Vert.	74.0	21.3
7311.000	32.5	AV	37.9	-30.5	39.9	Vert.	54.0	14.1
7311.000	45.2	PK	37.9	-30.5	52.6	Hori.	74.0	21.4
7311.000	32.6	AV	37.9	-30.5	40.0	Hori.	54.0	14.0
9748.000	46.1	PK	36.8	-29.4	53.5	Vert.	74.0	20.5
9748.000	32.9	AV	36.8	-29.4	40.3	Vert.	54.0	13.7
9748.000	46.3	PK	36.8	-29.4	53.7	Hori.	74.0	20.3
9748.000	33.1	AV	36.8	-29.4	40.5	Hori.	54.0	13.5

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)

The test result for Receiving mode is excluded since the transmitting mode and receiving mode are the same except for the fundamental and subordinated carrier frequency.

Radiated Spurious Emission

Tx 11g, Ch: Mid

DATA OF RADIATED EMISSION TEST

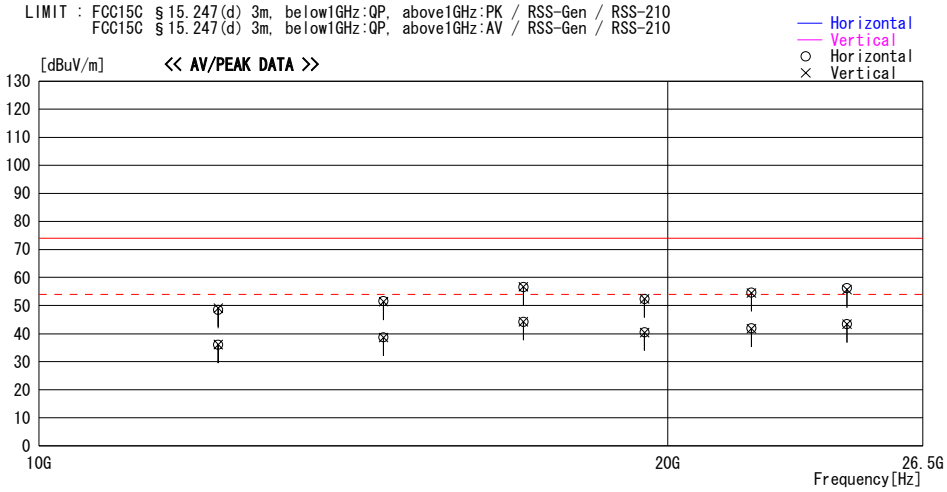
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 00:47:08

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 41%
Operator : Kenichi Adachi

Mode / Remarks : Transmitting 11g 2437MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]		[dBuV/m]	[dB]
12185.000	44.6	PK	41.6	-37.7	48.5	Hori.	74.0	25.5
12185.000	32.1	AV	41.6	-37.7	36.0	Hori.	54.0	18.0
12185.000	45.2	PK	41.6	-37.7	49.1	Vert.	74.0	24.9
12185.000	32.2	AV	41.6	-37.7	36.1	Vert.	54.0	17.9
14622.000	45.6	PK	42.1	-36.1	51.6	Hori.	74.0	22.4
14622.000	32.7	AV	42.1	-36.1	38.7	Hori.	54.0	15.3
14622.000	45.4	PK	42.1	-36.1	51.4	Vert.	74.0	22.6
14622.000	32.6	AV	42.1	-36.1	38.6	Vert.	54.0	15.4
17059.000	46.6	PK	45.3	-35.3	56.6	Hori.	74.0	17.4
17059.000	34.2	AV	45.3	-35.3	44.2	Hori.	54.0	9.8
17059.000	46.7	PK	45.3	-35.3	56.7	Vert.	74.0	17.3
17059.000	34.3	AV	45.3	-35.3	44.3	Vert.	54.0	9.7
19496.000	46.0	PK	40.3	-34.0	52.3	Hori.	74.0	21.7
19496.000	34.2	AV	40.3	-34.0	40.5	Hori.	54.0	13.5
19496.000	46.1	PK	40.3	-34.0	52.4	Vert.	74.0	21.6
19496.000	34.1	AV	40.3	-34.0	40.4	Vert.	54.0	13.6
21933.000	48.5	PK	39.8	-33.7	54.6	Hori.	74.0	19.4
21933.000	35.8	AV	39.8	-33.7	41.9	Hori.	54.0	12.1
21933.000	48.4	PK	39.8	-33.7	54.5	Vert.	74.0	19.5
21933.000	35.7	AV	39.8	-33.7	41.8	Vert.	54.0	12.2
24370.000	50.2	PK	40.4	-34.4	56.2	Hori.	74.0	17.8
24370.000	37.4	AV	40.4	-34.4	43.4	Hori.	54.0	10.6
24370.000	49.7	PK	40.4	-34.4	55.7	Vert.	74.0	18.3
24370.000	37.4	AV	40.4	-34.4	43.4	Vert.	54.0	10.6

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)

The test result for Receiving mode is excluded since the transmitting mode and receiving mode are the same except for the fundamental and subordinated carrier frequency.

Radiated Spurious Emission

Tx 11g, Ch: High

DATA OF RADIATED EMISSION TEST

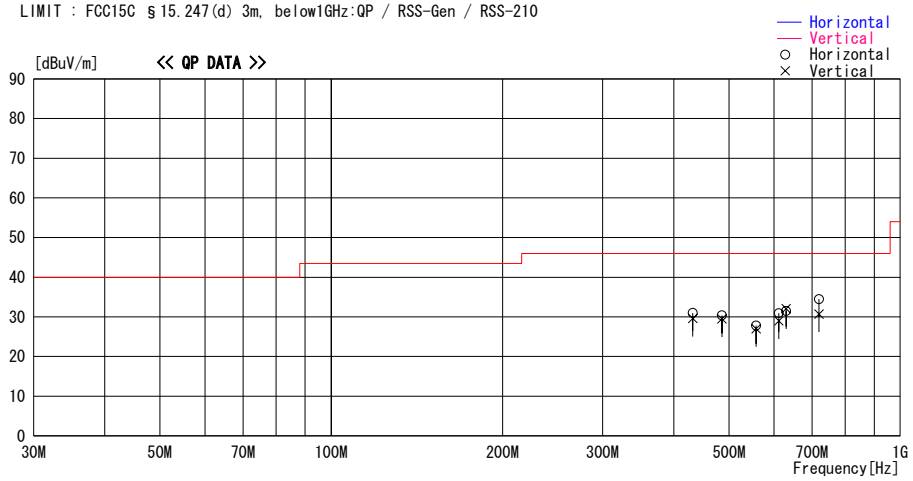
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 14:02:34

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 58%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting 11g 2462MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
432.001	33.3	QP	17.8	-20.1	31.0	83	100	Hori.	46.0	15.0
432.001	31.9	QP	17.8	-20.1	29.6	189	142	Vert.	46.0	16.4
486.002	32.6	QP	17.8	-20.0	30.4	188	100	Hori.	46.0	15.6
486.003	31.7	QP	17.8	-20.0	29.5	189	112	Vert.	46.0	16.5
558.002	28.9	QP	18.6	-19.7	27.8	180	100	Hori.	46.0	18.2
558.002	28.1	QP	18.6	-19.7	27.0	179	102	Vert.	46.0	19.0
612.005	30.9	QP	19.4	-19.4	30.9	1	100	Hori.	46.0	15.1
612.005	29.0	QP	19.4	-19.4	29.0	114	197	Vert.	46.0	17.0
630.000	31.2	QP	19.6	-19.3	31.5	358	100	Hori.	46.0	14.5
630.002	31.8	QP	19.6	-19.3	32.1	3	231	Vert.	46.0	13.9
720.001	32.6	QP	20.8	-18.9	34.5	195	100	Hori.	46.0	11.5
720.007	28.8	QP	20.8	-18.9	30.7	358	181	Vert.	46.0	15.3

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

Tx 11g, Ch: High

DATA OF RADIATED EMISSION TEST

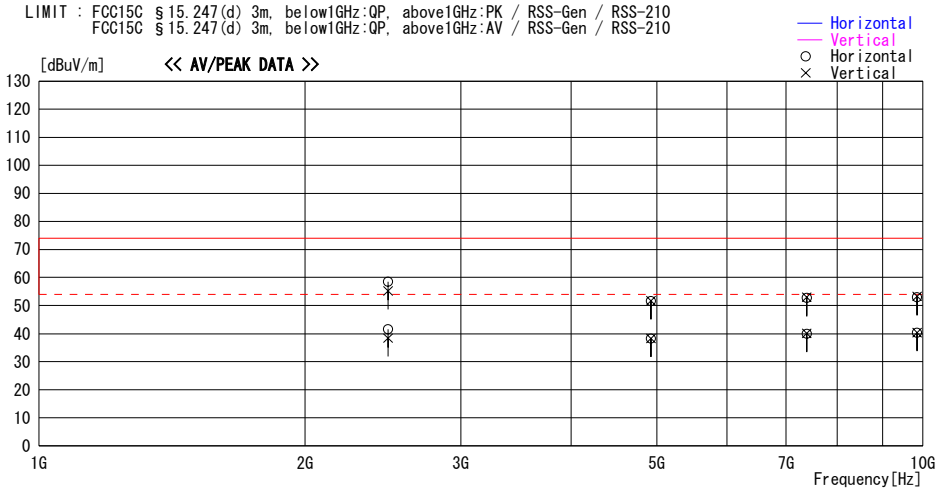
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/07 23:22:45

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 41%
Operator : Kenichi Adachi

Mode / Remarks : Transmitting 11g 2462MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
2483.500	61.4	PK	30.5	-33.4	58.5	Hori.	74.0	15.5
2483.500	44.5	AV	30.5	-33.4	41.6	Hori.	54.0	12.4
2483.500	58.1	PK	30.5	-33.4	55.2	Vert.	74.0	18.8
2483.500	41.3	AV	30.5	-33.4	38.4	Vert.	54.0	15.6
4924.000	46.7	PK	35.9	-31.0	51.6	Hori.	74.0	22.4
4924.000	33.3	AV	35.9	-31.0	38.2	Hori.	54.0	15.8
4924.000	46.8	PK	35.9	-31.0	51.7	Vert.	74.0	22.3
4924.000	33.4	AV	35.9	-31.0	38.3	Vert.	54.0	15.7
7386.000	45.2	PK	38.0	-30.5	52.7	Hori.	74.0	21.3
7386.000	32.5	AV	38.0	-30.5	40.0	Hori.	54.0	14.0
7386.000	45.5	PK	38.0	-30.5	53.0	Vert.	74.0	21.0
7386.000	32.6	AV	38.0	-30.5	40.1	Vert.	54.0	13.9
9848.000	45.7	PK	36.7	-29.4	53.0	Hori.	74.0	21.0
9848.000	33.0	AV	36.7	-29.4	40.3	Hori.	54.0	13.7
9848.000	46.0	PK	36.7	-29.4	53.3	Vert.	74.0	20.7
9848.000	33.1	AV	36.7	-29.4	40.4	Vert.	54.0	13.6

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

Tx 11g, Ch: High

DATA OF RADIATED EMISSION TEST

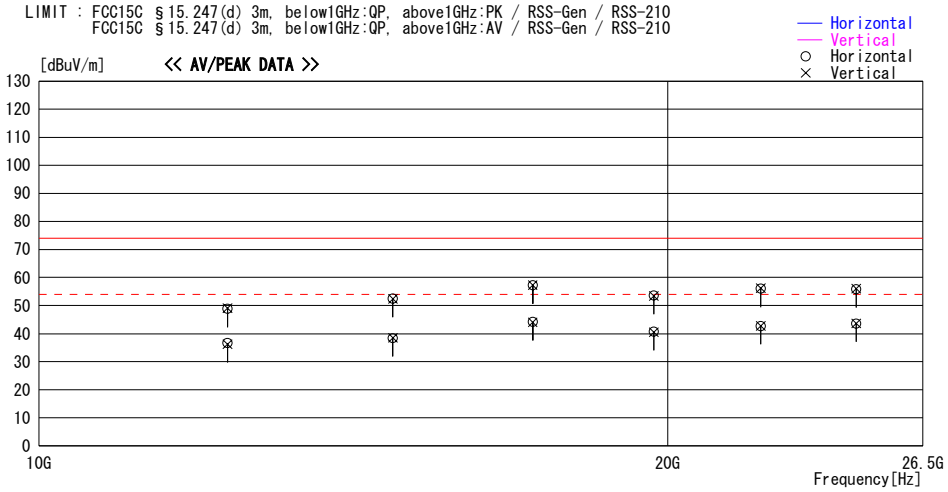
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2005/11/08 00:08:39

Applicant : Nikon Corporation
Kind of EUT : Digital Camera
Model No. : COOLPIX S6
Serial No. : 88C11042

Report No. : 26BE0062-HO
Power : AC120V/60Hz (AC Adapter)
Temp./Humi. : 24deg.C. / 41%
Operator : Kenichi Adachi

Mode / Remarks : Transmitting 11g 2462MHz 54Mbps / Max-axis (Hor:X Ver:Z)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-Gen / RSS-210
FCC15C §15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-Gen / RSS-210



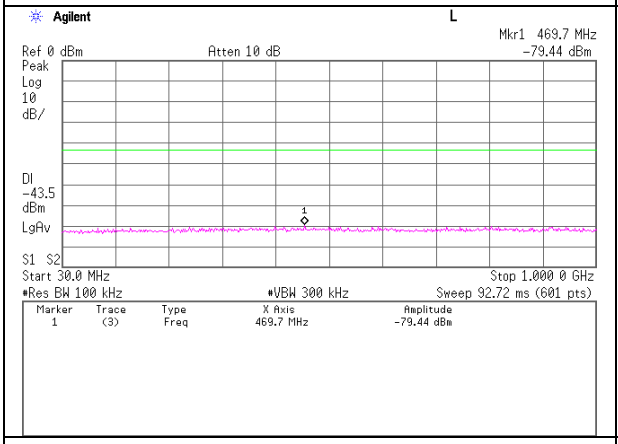
Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]		[dBuV/m]	[dB]
12310.000	44.6	PK	41.7	-37.5	48.8	Hori.	74.0	25.2
12310.000	32.4	AV	41.7	-37.5	36.6	Hori.	54.0	17.4
12310.010	44.9	PK	41.7	-37.5	49.1	Vert.	74.0	24.9
12310.010	32.0	AV	41.7	-37.5	36.2	Vert.	54.0	17.8
14772.000	46.7	PK	42.4	-36.6	52.5	Hori.	74.0	21.5
14772.000	32.6	AV	42.4	-36.6	38.4	Hori.	54.0	15.6
14772.000	46.6	PK	42.4	-36.6	52.4	Vert.	74.0	21.6
14772.000	32.7	AV	42.4	-36.6	38.5	Vert.	54.0	15.5
17234.000	47.6	PK	44.9	-35.3	57.2	Hori.	74.0	16.8
17234.000	34.6	AV	44.9	-35.3	44.2	Hori.	54.0	9.8
17234.000	47.7	PK	44.9	-35.3	57.3	Vert.	74.0	16.7
17234.000	34.5	AV	44.9	-35.3	44.1	Vert.	54.0	9.9
19696.000	47.6	PK	40.3	-34.3	53.6	Hori.	74.0	20.4
19696.000	34.7	AV	40.3	-34.3	40.7	Hori.	54.0	13.3
19696.000	47.4	PK	40.3	-34.3	53.4	Vert.	74.0	20.6
19696.000	34.6	AV	40.3	-34.3	40.6	Vert.	54.0	13.5
22158.000	49.8	PK	39.8	-33.6	56.0	Hori.	74.0	18.0
22158.000	36.5	AV	39.8	-33.6	42.7	Hori.	54.0	11.3
22158.000	50.0	PK	39.8	-33.6	56.2	Vert.	74.0	17.8
22158.000	36.6	AV	39.8	-33.6	42.8	Vert.	54.0	11.2
24620.000	49.4	PK	40.5	-34.1	55.8	Hori.	74.0	18.2
24620.000	37.2	AV	40.5	-34.1	43.6	Hori.	54.0	10.4
24620.000	49.6	PK	40.5	-34.1	56.0	Vert.	74.0	18.0
24620.000	37.3	AV	40.5	-34.1	43.7	Vert.	54.0	10.3

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)

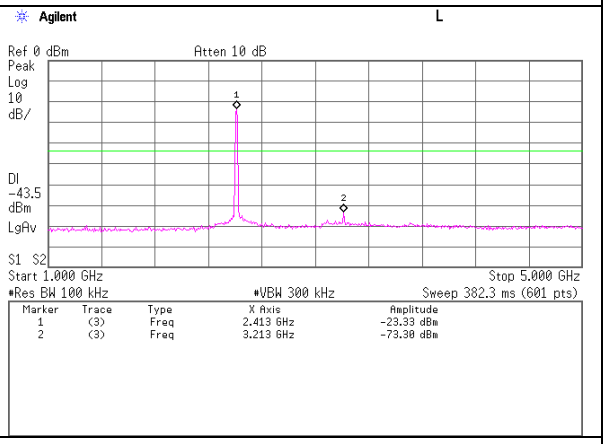
Conducted Spurious Emission

Tx 11b Ch: Low

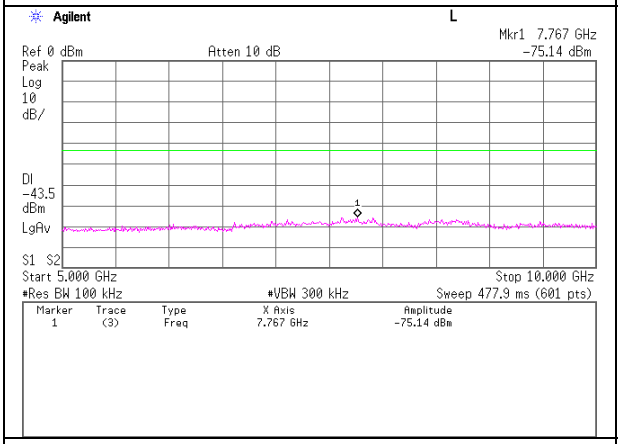
30MHz-1GHz



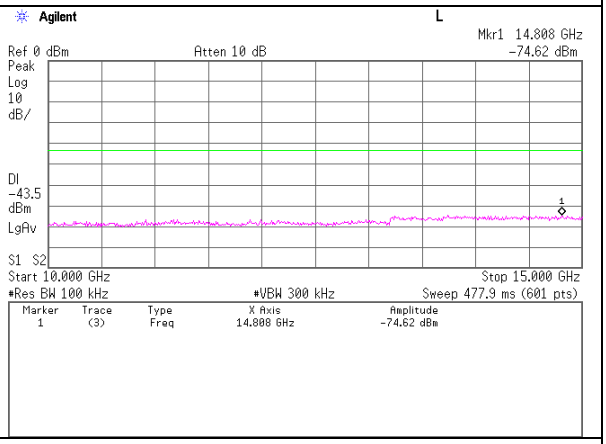
1GHz-5GHz



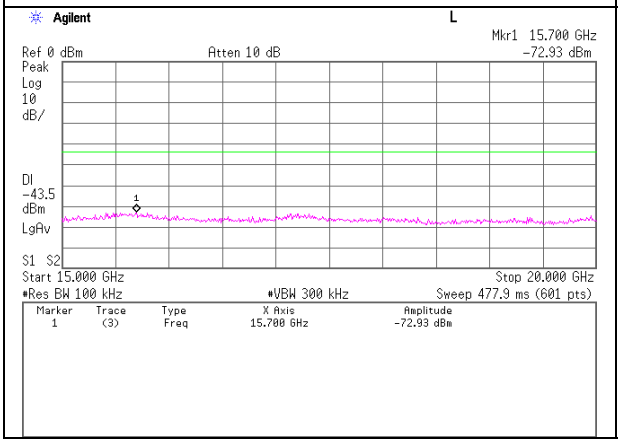
5GHz-10GHz



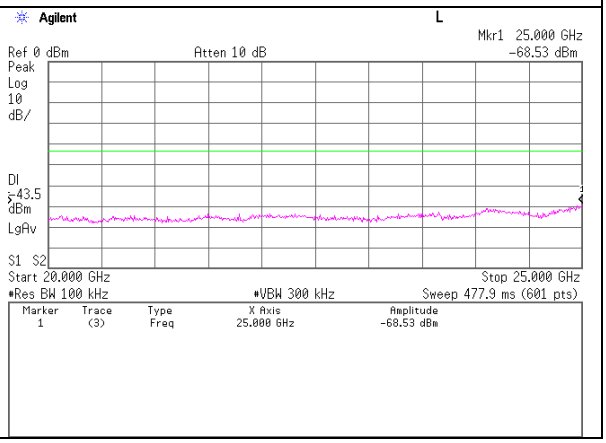
10GHz-15GHz



15GHz-20GHz



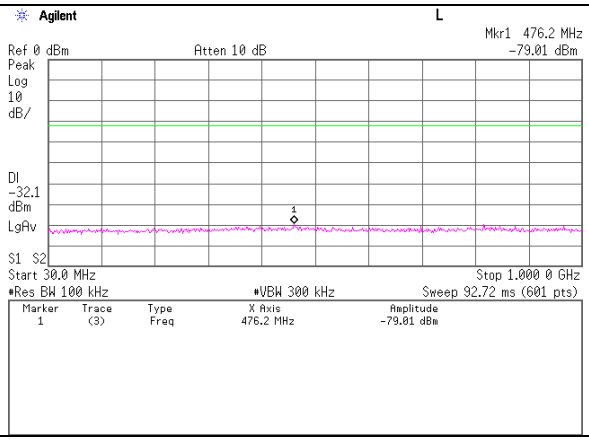
20GHz-25GHz



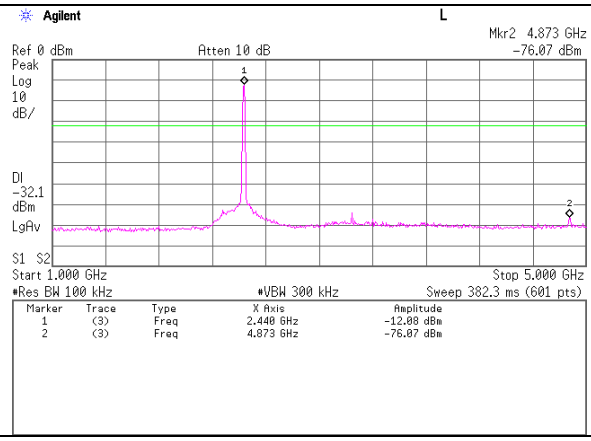
Conducted Spurious Emission

Tx 11b Ch: Mid

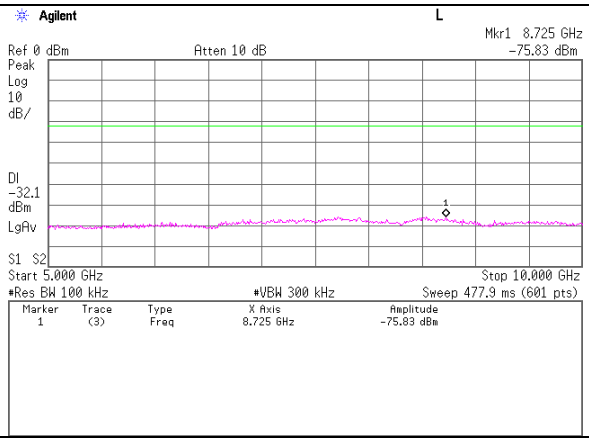
30MHz-1GHz



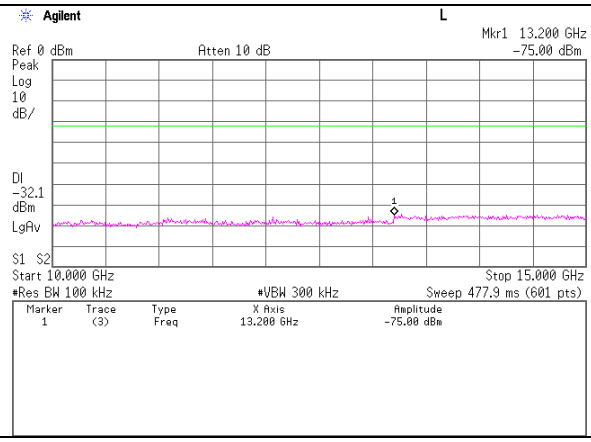
1GHz-5GHz



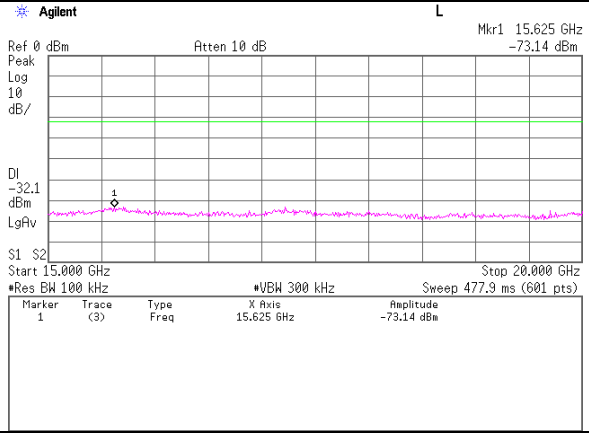
5GHz-10GHz



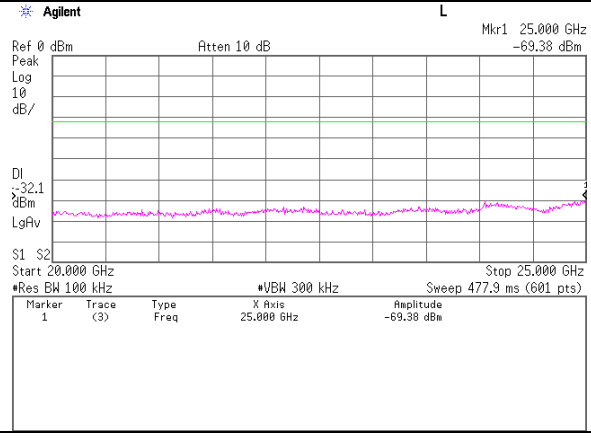
10GHz-15GHz



15GHz-20GHz



20GHz-25GHz

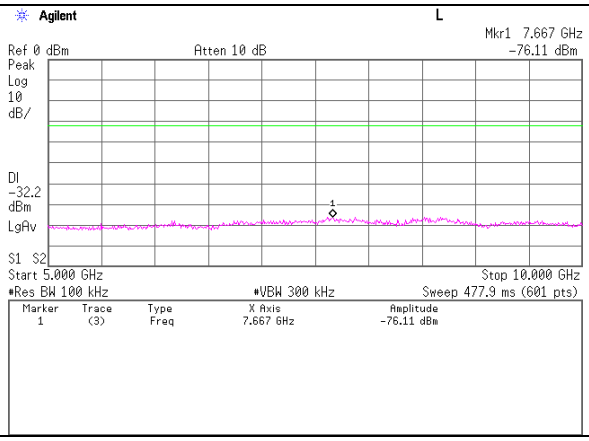


The test result for Receiving mode is excluded since the transmitting mode and receiving mode are the same except for the fundamental and subordinated carrier frequency.

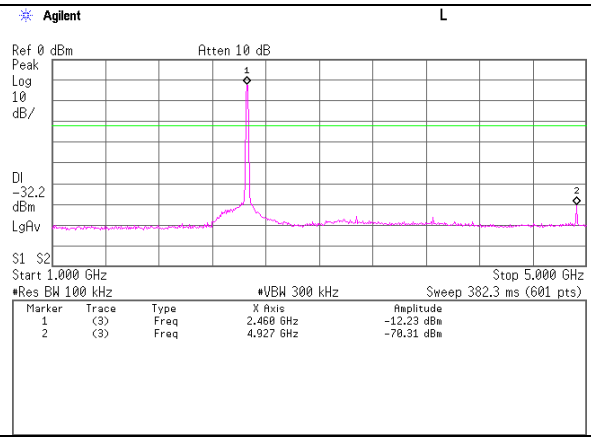
Conducted Spurious Emission

Tx 11b Ch: High

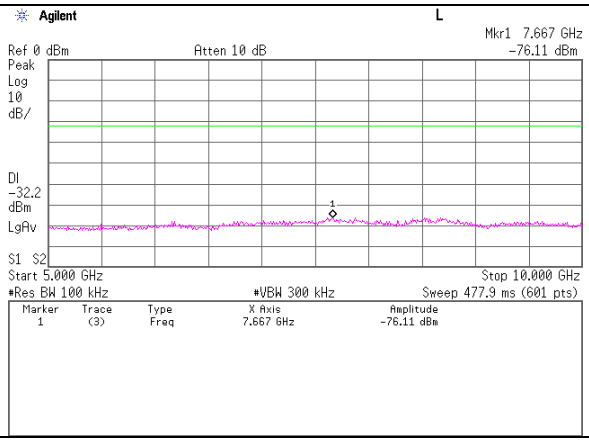
30MHz-1GHz



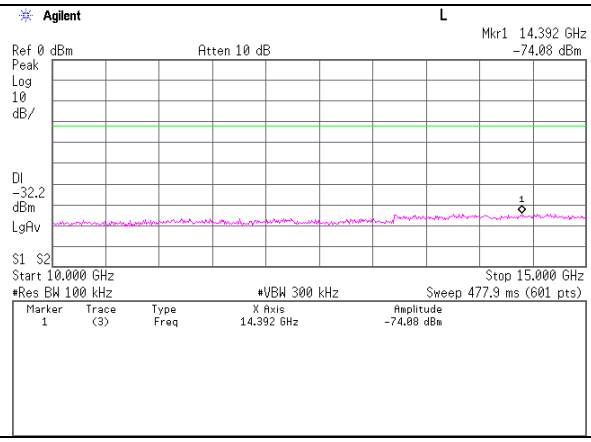
1GHz-5GHz



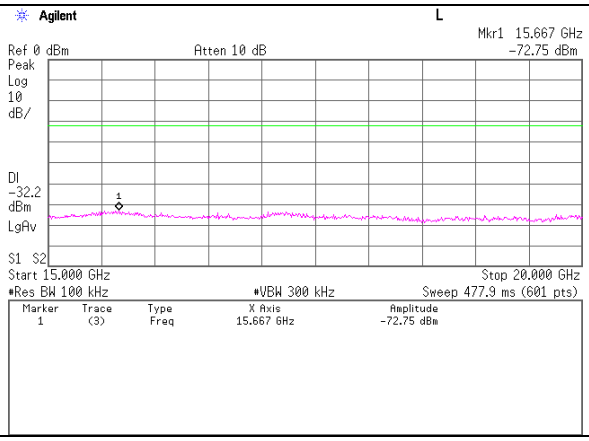
5GHz-10GHz



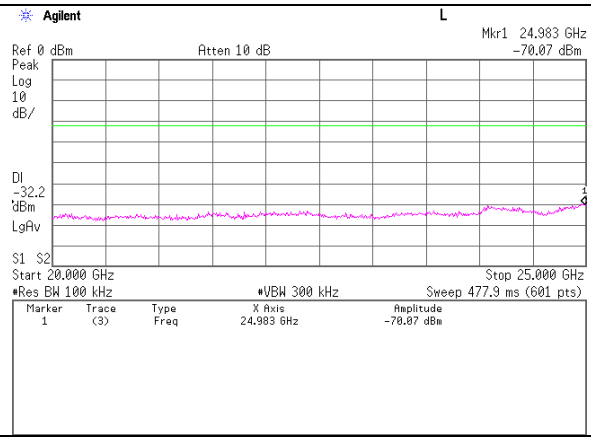
10GHz-15GHz



15GHz-20GHz



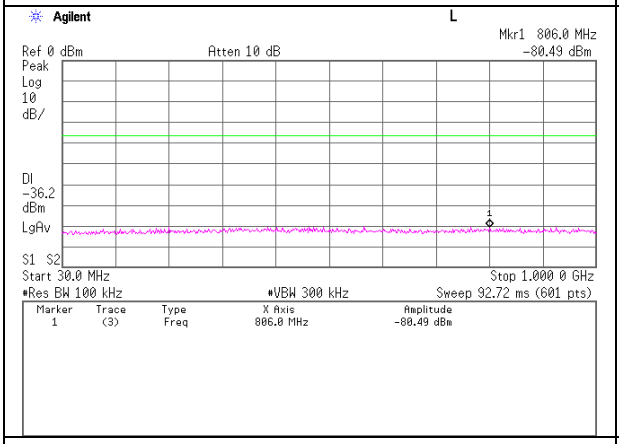
20GHz-25GHz



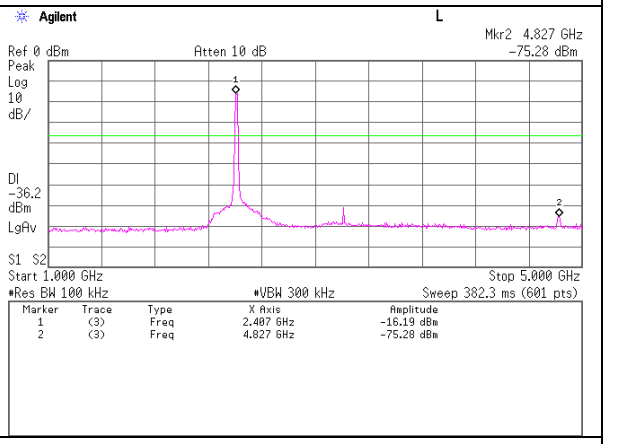
Conducted Spurious Emission

Tx 11g Ch: Low

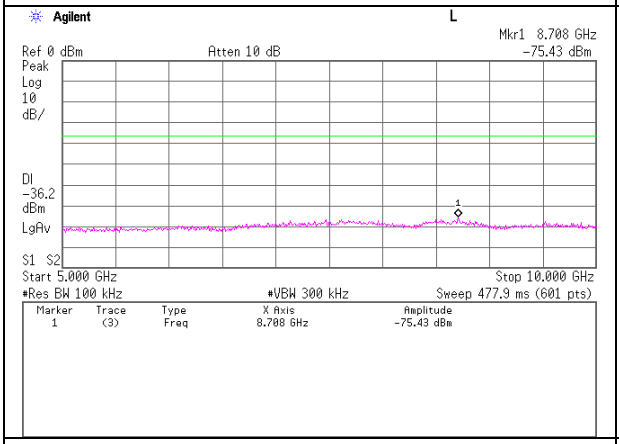
30MHz-1GHz



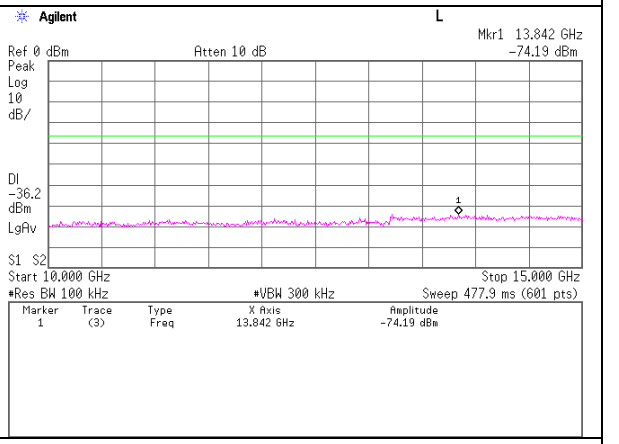
1GHz-5GHz



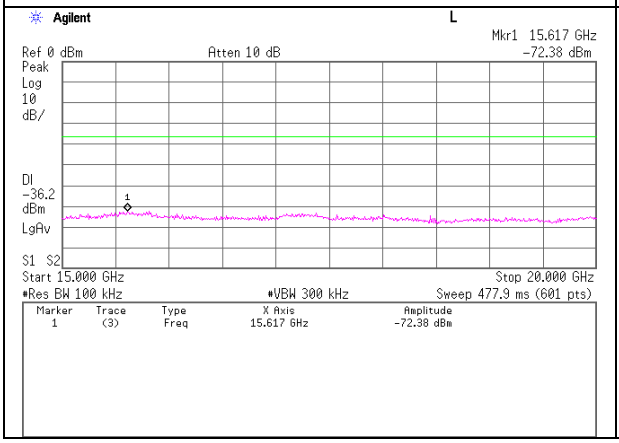
5GHz-10GHz



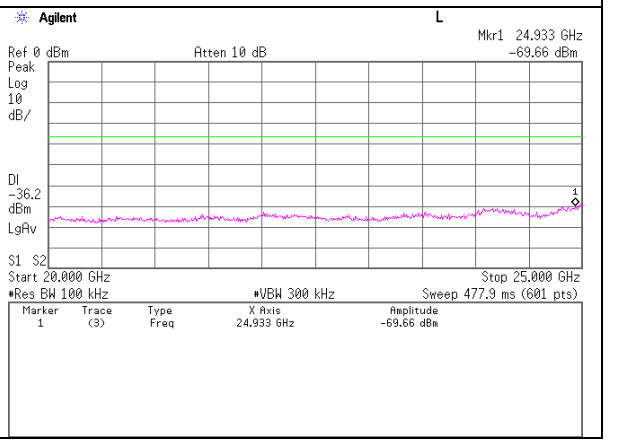
10GHz-15GHz



15GHz-20GHz



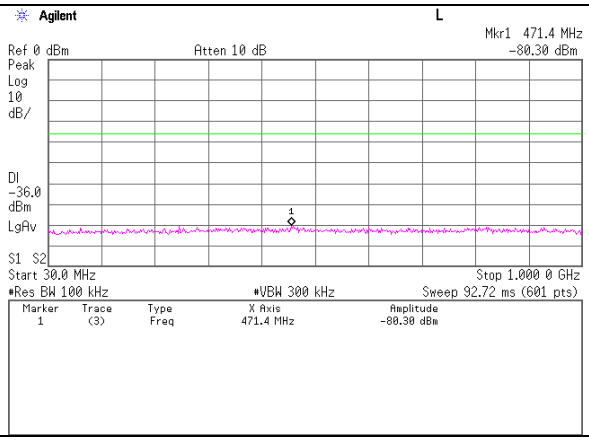
20GHz-25GHz



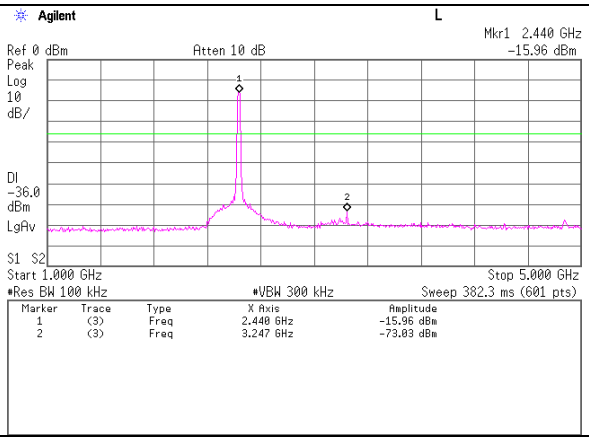
Conducted Spurious Emission

Tx 11g Ch: Mid

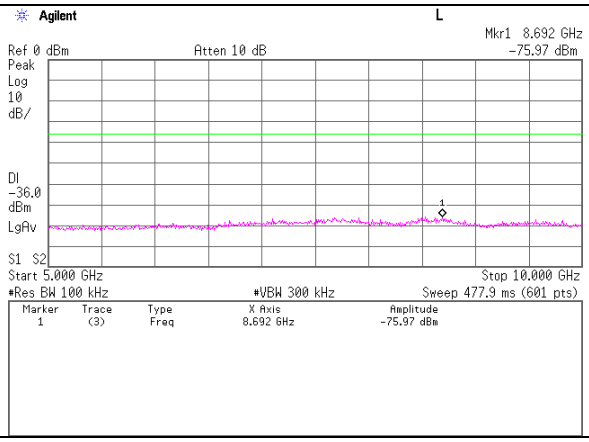
30MHz-1GHz



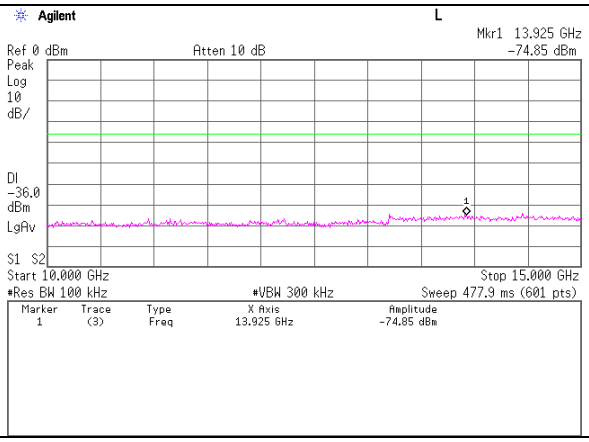
1GHz-5GHz



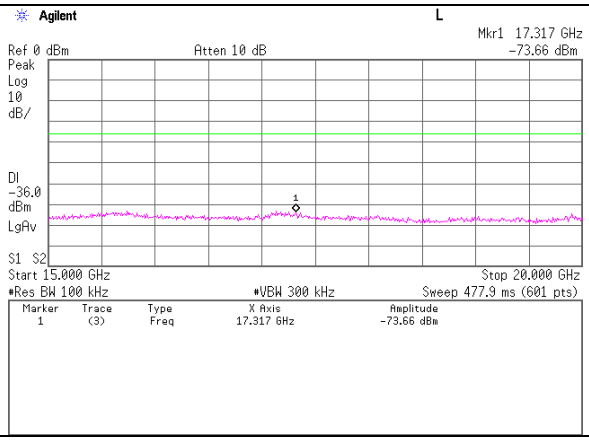
5GHz-10GHz



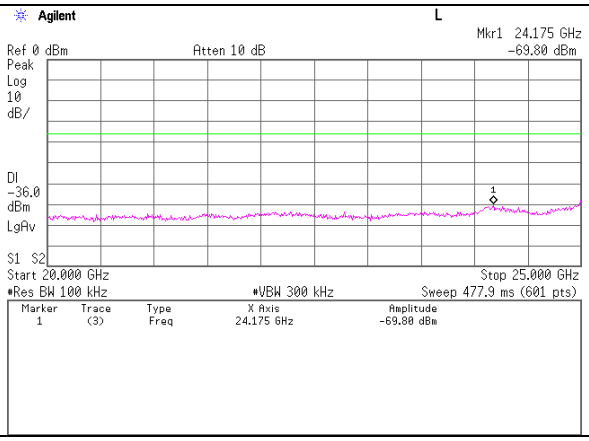
10GHz-15GHz



15GHz-20GHz



20GHz-25GHz

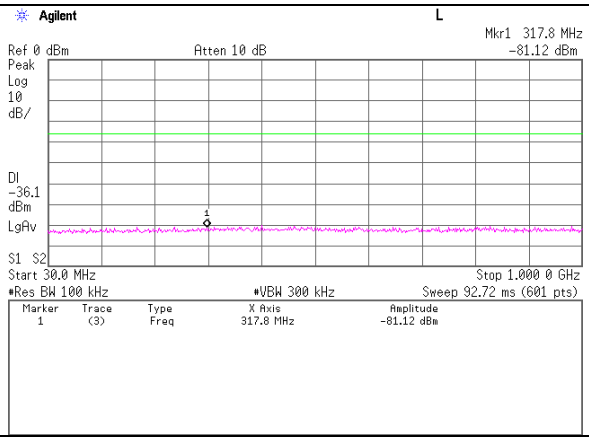


The test result for Receiving mode is excluded since the transmitting mode and receiving mode are the same except for the fundamental and subordinated carrier frequency.

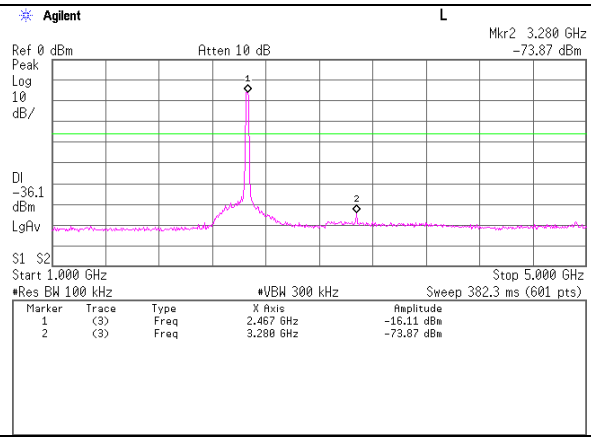
Conducted Spurious Emission

Tx 11g Ch: High

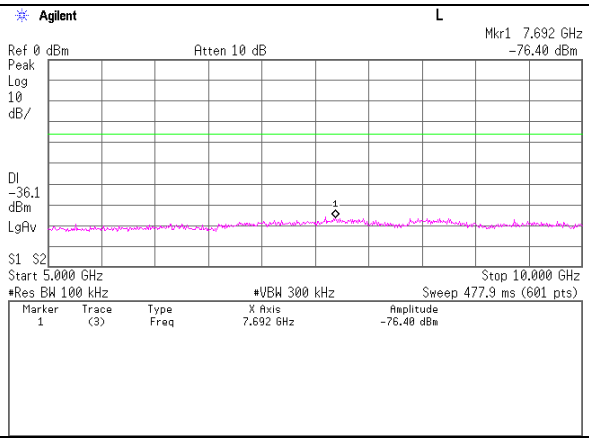
30MHz-1GHz



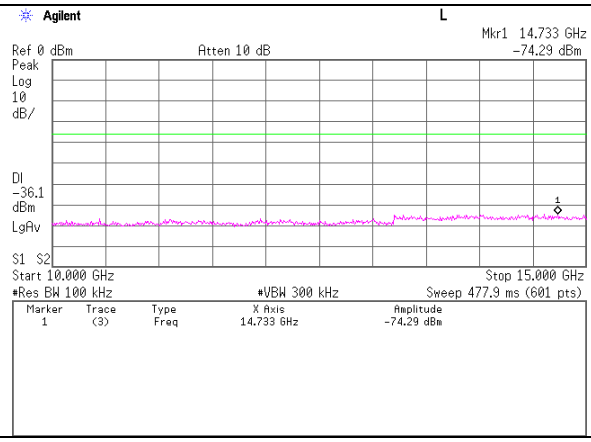
1GHz-5GHz



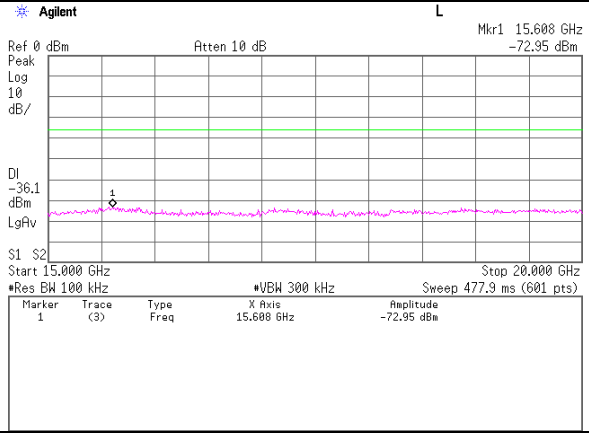
5GHz-10GHz



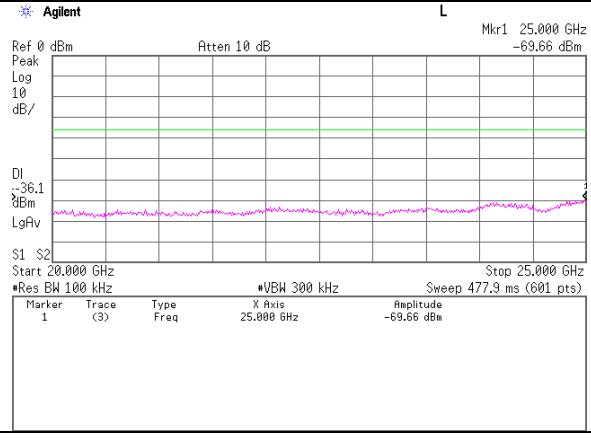
10GHz-15GHz



15GHz-20GHz



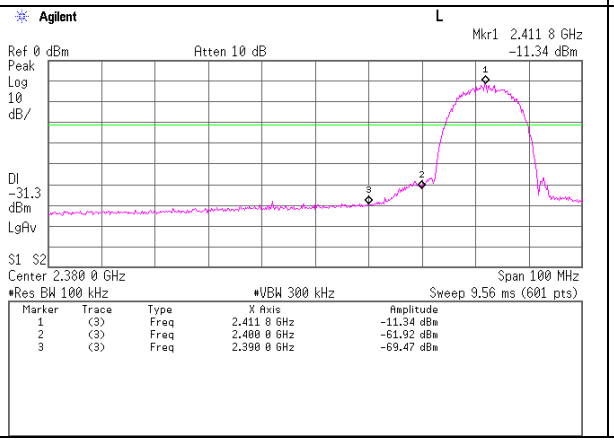
20GHz-25GHz



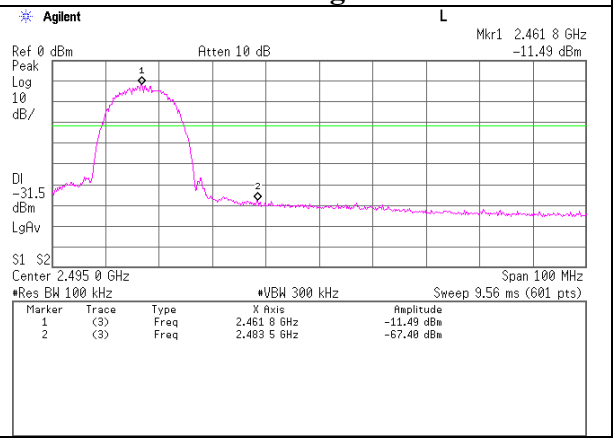
Conducted emission Band Edge compliance

Tx 11b

Ch: Low

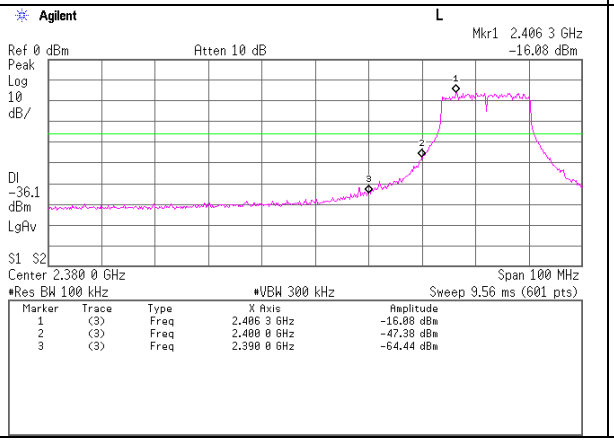


Ch: High

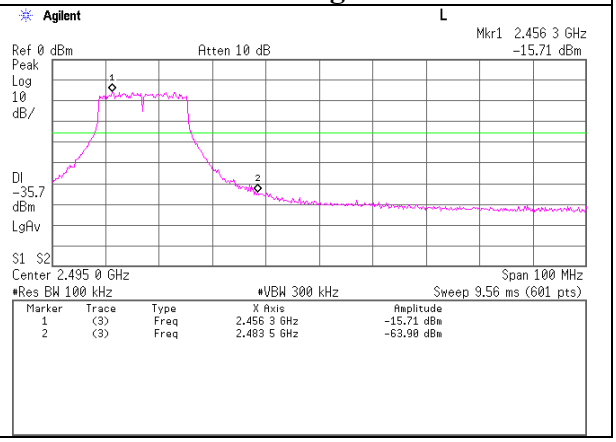


Tx 11g

Ch: Low



Ch: High



Power Density

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

Company	: Nikon Corporation	REPORT NO	: 26BE0062-HO
Equipment	: Digital Camera	REGULATION	: FCC Part15 Subpart C 15.247(e)
Model	: COOLPIX S6	TEST DISTANCE	: -
Sample No.	: 88C11031	DATE	: 2005/11/11
Power	: AC120V/60Hz(AC Adapter)	TEMPERATURE	: 23℃
Mode	: Tx (ch1,6,11)	HUMIDITY	: 38%
		ENGINEER	: Norihisa Hashimoto

[IEEE802.11b]

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.3	-26.27	2.7	10.1	-13.5	8.0	21.5
Mid	2436.3	-26.27	2.7	10.1	-13.5	8.0	21.5
High	2461.3	-26.56	2.7	10.1	-13.8	8.0	21.8

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

[IEEE802.11g]

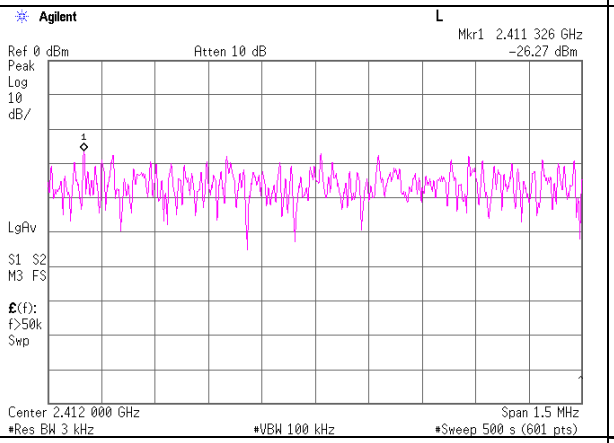
Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.7	-30.77	2.7	10.1	-18.0	8.0	26.0
Mid	2436.7	-30.22	2.7	10.1	-17.4	8.0	25.4
High	2461.7	-28.66	2.7	10.1	-15.9	8.0	23.9

Sample Calculation:
Result = Reading + Cable Loss (supplied by customer)+ Attenuator
The Result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the Result.

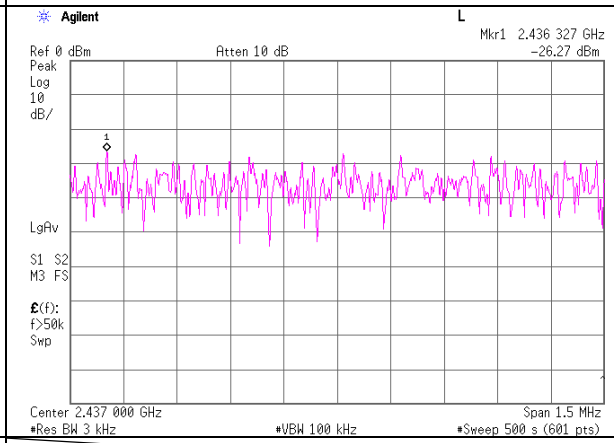
Power Density

Tx 11b

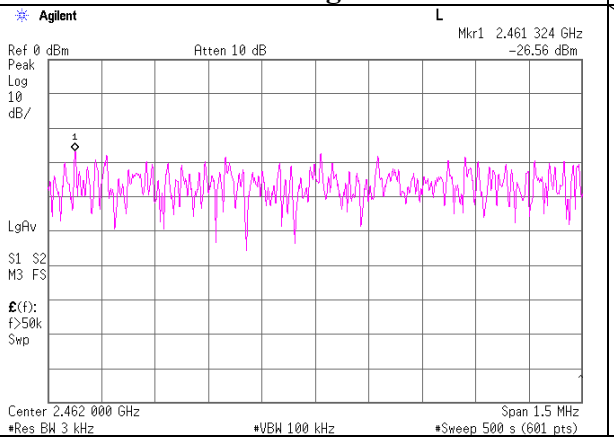
Ch: Low



Ch: Mid



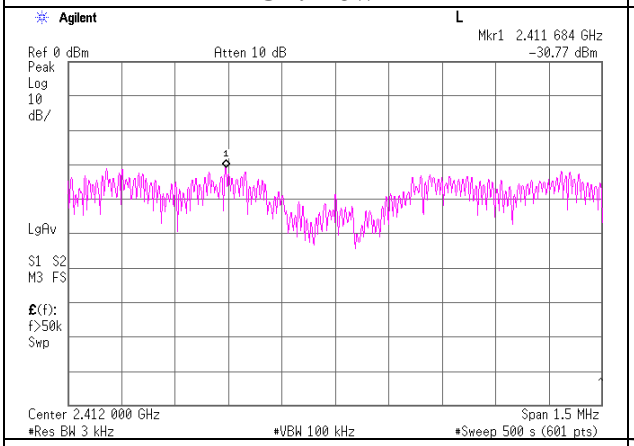
Ch: High



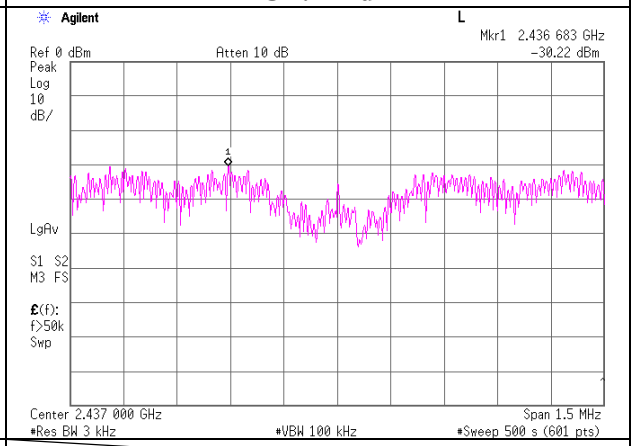
Power Density

Tx 11g

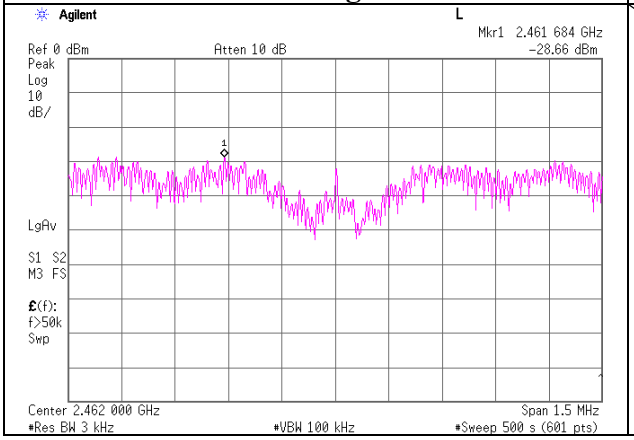
Ch: Low



Ch: Mid



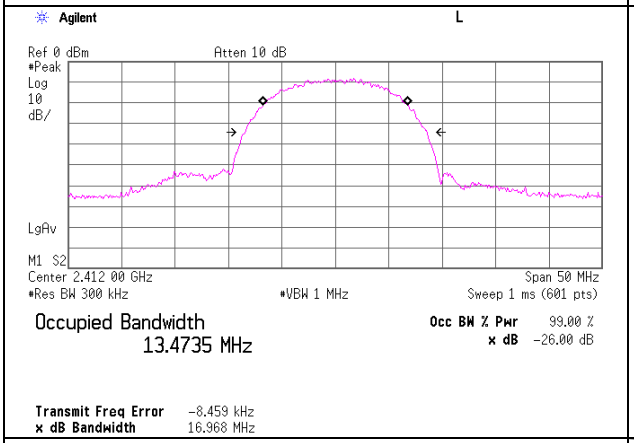
Ch: High



99% Occupied Bandwidth

Tx 11b

Ch: Low



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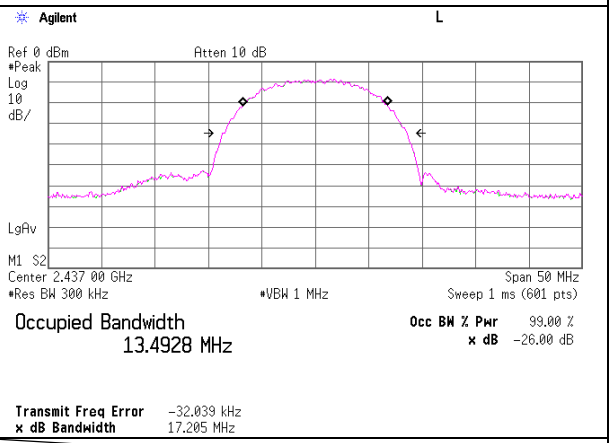

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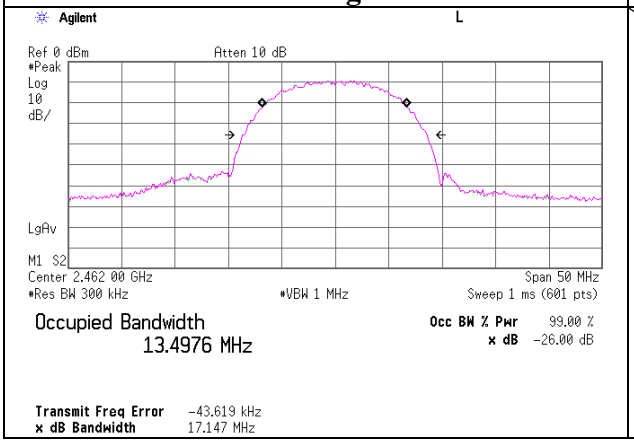
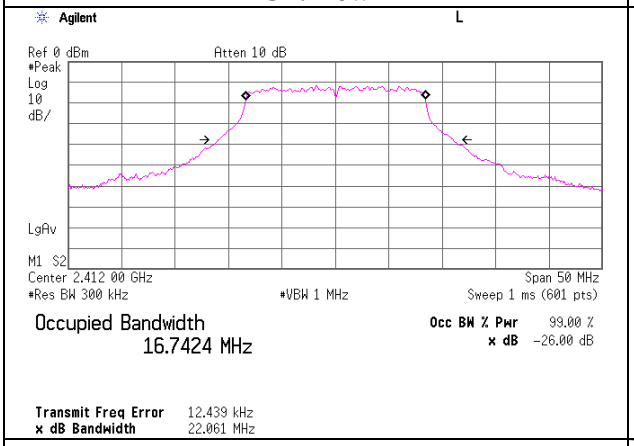


99% Occupied Bandwidth

Tx 11g

Ch: Low



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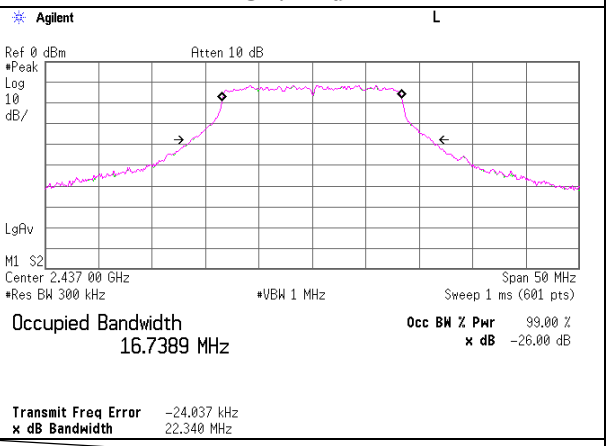

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