



# **EMI TEST REPORT**

**Test Report No. : 24JE0164-YK-1**

**Applicant : Canon Inc.**

**Type of Equipment : Wireless File Transmitter**

**Model No. : DS508152**

**FCC ID : AZD-DS508152**

**Test standard : FCC Part15 Subpart C, Section 15.247: 2004**

**Test Result : Complied**

1. This test report shall not be reproduced except 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.

**Date of test:** July 28-30 and August 4, 7-9, 2004

**Tested by:**



Toyokazu Imamura

&



Akira Sato

**Approved by:**



Osamu Watatani  
Site Manager of Yamakita EMC Lab.

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## 1 GENERAL INFORMATION

### Applicant

Company Name : Canon Inc.  
Brand Name : CANON  
Address : 3-30-2 Shimomaruko, Ohta-ku, Tokyo, 146-8501 JAPAN  
Telephone Number : +81 3 3758 2111 / +81 3 3757 6798 (Direct)  
Facsimile Number : +81 3 3757 8838  
Contact Person : Kuniaki Tanaka (tanaka.kuniaki@canon.co.jp)  
Type of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Rating : DC8.1V, 0.5A (AC adapter: AC100-240V, 50/60Hz)  
Receipt Date of Sample : July 27, 2004  
Condition of EUT : Production prototype  
(Not for sale: This sample is equivalent to mass-produced items.)  
Regulation(s) : FCC Part15 Subpart C, Section 15.247: 2004  
Test Site : UL Apex Yamakita EMC lab.

### 1.1 Tested Methodology

The measurements were performed according to the procedures in ANSI C63.4 (2003).  
These tests were also referred to FCC 97-114 "Guidance on Measurement for Direct Spread Spectrum Systems".

### 1.2 Test Facility

No. 2 test site has been fully described in a report submitted to FCC office, and accepted on December 8, 2000 (Registration No.: 99354).

IC Registration No. : IC3489-2

No. 1 anechoic chamber has been fully described in a report submitted to FCC office, and accepted on November 8, 2002 (Registration No.: 95967).

IC Registration No. : IC3489-B

Test room	Width x Depth x Height (m)	Test room	Width x Depth x Height (m)
No.1 shielded room	8.0 x 5.0 x 2.5	No.1 EMS lab. (Semi-anechoic chamber)	10.0 x 7.5 x 5.7
No.2 shielded room	5.0 x 4.0 x 2.5		
No.3 shielded room	4.0 x 5.0 x 2.7		

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## 2 PRODUCT DESCRIPTION

Canon Inc., Model: DS508152 (referred to as the EUT in this report) is a Wireless File Transmitter use for digital camera. This equipment transfers a picture data from the camera to the FTP server using the wireless LAN (IEEE 802.11b/g) or Ethernet LAN (100 Base-T).

The clock frequencies used in EUT: 32.768kHz, 10MHz, 20MHz, 24.576MHz, 25MHz, 30MHz, 33MHz

### [Wireless LAN $\mu$ -PCI CARD]

Equipment type	:	Transmitter
Frequency of operation	:	2412 - 2462 MHz
Channel spacing	:	5 MHz
Channel number	:	11 channels
Type of modulation	:	DSSS, OFDM
Antenna type	:	1/2 $\lambda$ Dipole, 3/2 $\lambda$ Co-liner
Antenna connector type	:	Reverse SMA
Antenna gain	:	Dipole: 2.14dBi Co-liner: 3.5dBi (including 0.5dB cable loss)
Mode of operation	:	Simplex
Emission Designation	:	D1D, G1D
Operation temperature range:	:	-20 ~ 45 deg. C.
Operation voltage (inner)	:	DC3.3V

### \*FCC Part15.31 (e)

DS508152 (Wireless File Transmitter) provides the Wireless LAN  $\mu$ -PCI CARD with stable power supply (DC3.3V), and the power is not changed when voltage of the Wireless File Transmitter is varied. Therefore, the equipment complies power supply regulation.

### \*FCC Part15.203

The antenna of DS508152 doesn't use a standard antenna jack or electrical connector, therefore the Wireless File Transmitter complies FCC Part15.203 Antenna requirement.

\*The Wireless File Transmitter has ports of USB 2.0 and IEEE1394. Measurement was performed with IEEE1394 cable, because these ports have the same shield characteristic and it is assured they have the same result. These ports are not used for connection at the same time.

\*Test for Ethernet LAN (100 Base-T) was performed in accordance with the specification of FCC Part 15, Subpart B. (D.o.C.) Refer to the Test Report: 24JE0165-YK-3.

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### 3 SYSTEM TEST CONFIGURATION

#### 3.1 Justification

The system was configured in typical fashion (as a customer would normally use it) for testing.

Test mode: 12 modes

Antenna model: NA-E1 (Normal)

Transmitting (IEEE802.11b (11Mbps))	-2412MHz (Low)
	-2437MHz (Middle)
	-2462MHz (High)
Transmitting (IEEE802.11g (54Mbps))	-2412MHz (Low)
	-2437MHz (Middle)
	-2462MHz (High)

Antenna model: ERA-E1 (Optional)

Transmitting (IEEE802.11b (11Mbps))	-2412MHz (Low)
	-2437MHz (Middle)
	-2462MHz (High)
Transmitting (IEEE802.11g (54Mbps))	-2412MHz (Low)
	-2437MHz (Middle)
	-2462MHz (High)

The EUT has an ability to provide some different modulation and data rates. Some of these modulation and data rates did not change in the spectrum envelopes of the EUT at conducted measurement with the antenna terminal. Therefore, the results of the final measurements were the IEEE 802.11b DSSS (CCK, QPSK, 11Mbps) and IEEE 802.11g OFDM (64QAM, 54Mbps) modulation as the highest data rate.

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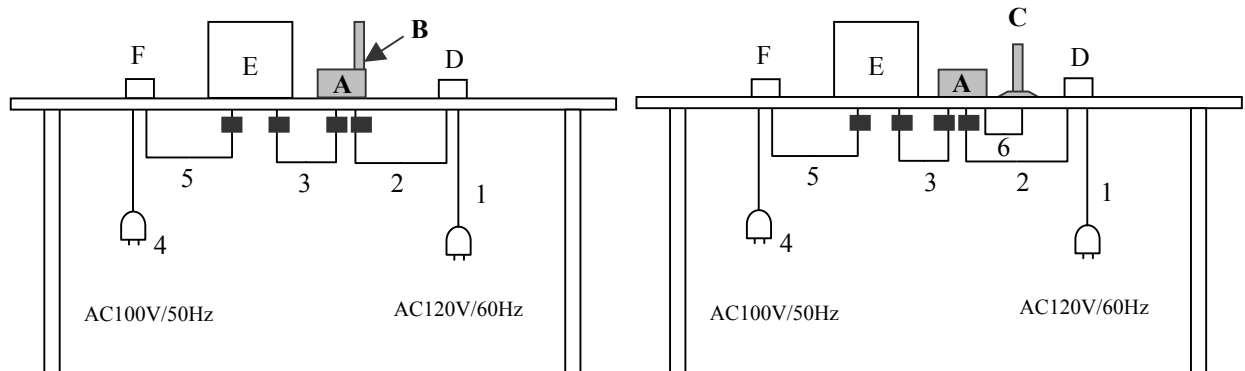
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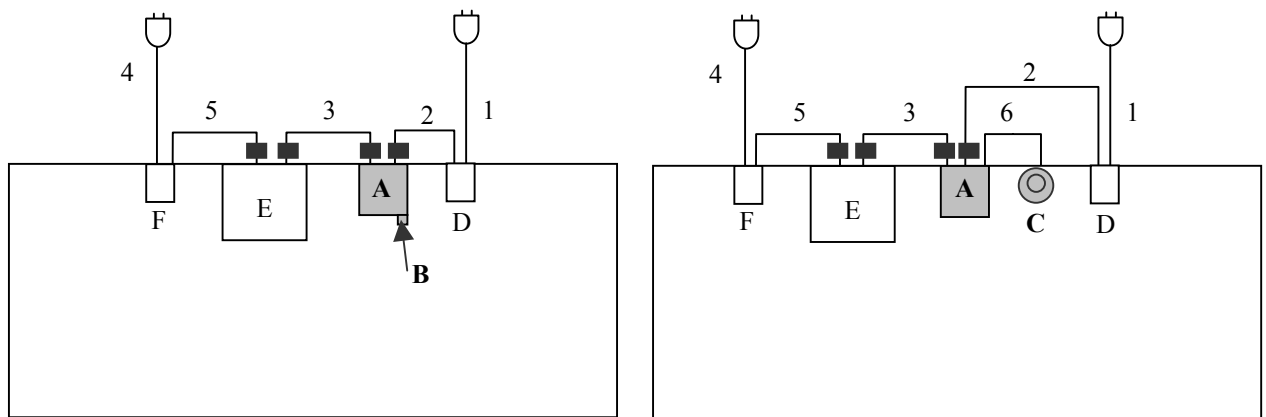
### 3.2 Configuration of Tested System

■ : Ferrite core

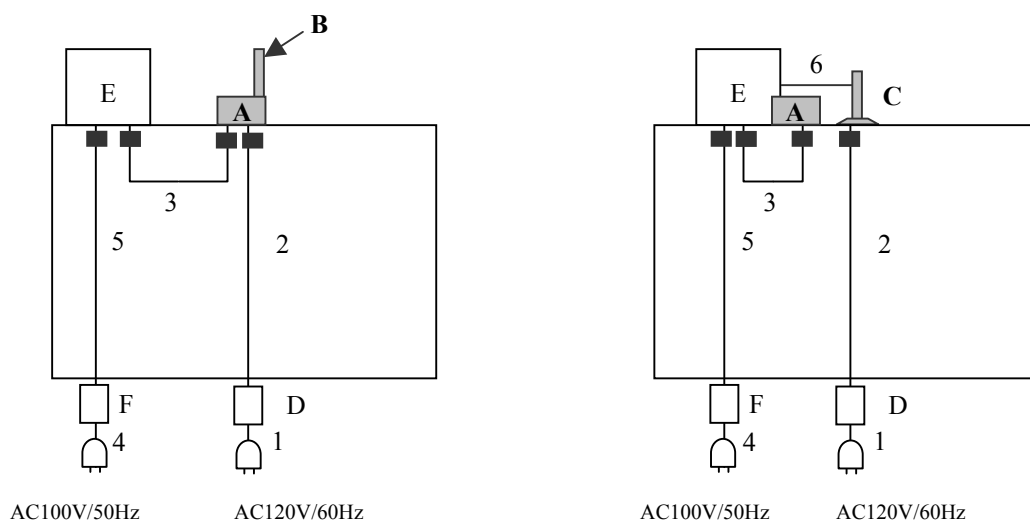
#### Front View (Conducted emission)



#### Top View (Conducted emission)



#### Front View (Radiated emission)



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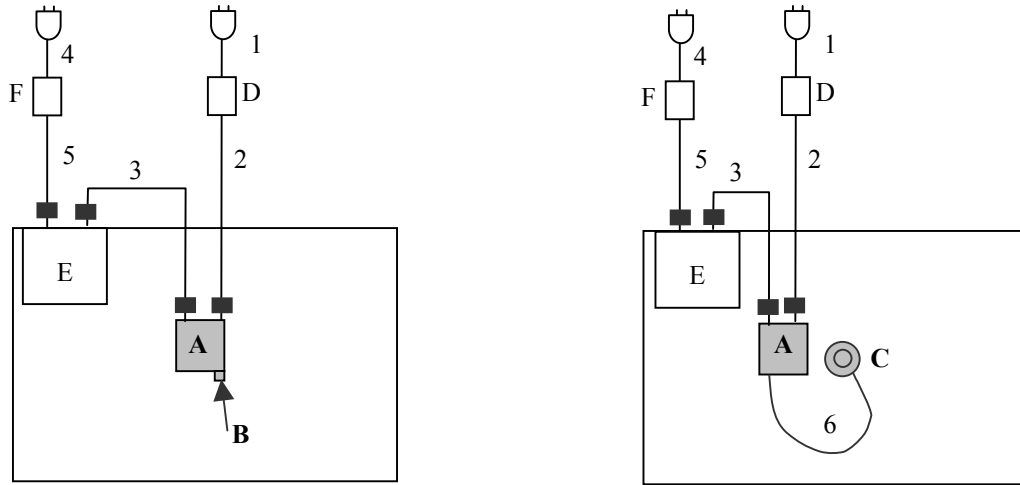
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Top View (Radiated emission)



\*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	Remarks
A	Wireless File Transmitter	DS508152	11001	Canon	AZD-DS508152	EUT
B	Antenna	NA-E1	-	Canon	-	EUT
C	Antenna	ERA-E1	-	Canon	-	EUT
D	AC Adapter	DS8111	RK3003331	Canon	-	-
E	Digital Camera	DS126051	201004	Canon	-	-
F	AC Adapter	PA-V16	10122326	Canon	-	-

List of cables used

No.	Name	Length (m)	Shield	Backshell material
1	AC Cable	2.0	Unshielded	Polyvinyl chloride
2	DC Cable	1.7	Unshielded	Polyvinyl chloride
3	IEEE1394 Cable	1.5	Shielded	Polyvinyl chloride
4	AC Cable	2.0	Unshielded	Polyvinyl chloride
5	DC Cable	1.4	Unshielded	Polyvinyl chloride
6	Antenna Cable	1.5	Shielded	Polyvinyl chloride

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## 4 MEASUREMENT UNCERTAINTY

### Conducted emission test

The measurement uncertainty (with a 95% confidence level) for this test was  $\pm 1.3\text{dB}$ .

The data listed in this test report has enough margin, more than site margin.

### Radiated emission test

The measurement uncertainty (with 95% confidence level) for this test using Biconical antenna is  $\pm 4.8\text{dB}$ .

The measurement uncertainty (with 95% confidence level) for this test using Logperiodic antenna is  $\pm 5.2\text{dB}$ .

The measurement uncertainty (with 95% confidence level) for this test using Horn antenna is  $\pm 6.6\text{dB}$ .

The data listed in this report meets the limits unless the uncertainty is taken into consideration.

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## 5 SUMMARY OF TESTS

### 5.1 §15.207 Conducted Emissions (Limits by CISPR Pub.22 Class B)

#### Test Procedure

EUT was placed on a platform of nominal size, 1m by 1.5m, raised 80cm above the conducting ground plane.

The rear of tabletop was located 40cm to the vertical conducting plane. The rear of EUT and its peripherals were 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 LISN and excess AC cable was bundled in center.

Each EUT current-carrying power lead, except the ground (safety) lead, was individually connected through a LISN to the input power source.

The AC Mains Terminal Continuous disturbance Voltage has been measured with the EUT on a shielded room.

The EUT was connected to a Line Impedance Stabilization Network (LISN).

An overview sweep with peak detection has been performed.

Measurement range : 150kHz to 30MHz CISPR QP/AV Detector, IF BW 10kHz

Test data : APPENDIX 2 Page 17 to 32  
Photographs of test setup : Page 12 to 13  
Test result : Pass  
Test instruments : KCC-24/25/26/28/KPL-02, KLS-05 (EUT), KLS-06 (AE),  
KSA-04, KTR-03, KTM-04

### 5.2 §15.247 (a)(2) 6dB Bandwidth (Antenna Port Conducted)

#### Test Procedure

The minimum 6dB bandwidth was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 2 Page 33 to 34  
Test result : Pass  
Test instruments : 1.0m length cable prepared by client, KTR-01

### 5.3 § 15.247 (b)(3) Maximum Peak Output Power (Antenna Port Conducted)

#### Test Procedure

The Maximum Peak Output power at IEEE802.11b (11Mbps) was measured with a power meter connected to the antenna port. At IEEE802.11g (54Mbps), test was performed using the function of spectrum analyzer measuring of channel power.

Antenna Gain dose not exceed 6dBi.

Test data : APPENDIX 2 Page 35 to 36  
Test result : Pass  
Test instruments :  
IEEE 802.11b : KPM-05, KPSS-01  
IEEE 802.11g : 1.0m length cable prepared by client, KTR-01

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## **5.4 § 15.247 (c) Out of Band Emissions (Radiated)**

### **Test Procedure**

EUT was placed on a platform of nominal size, 0.5m by 0.5m, raised 80cm above the conducting ground plane. Test was made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna was varied in height above the conducting ground plane to obtain the maximum signal strength. The Radiated Electric Field Strength intensity has been measured in an anechoic chamber with a ground plane and at a distance of 3m. The measuring antenna height was 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 equipment was also previously checked at each position of three axes X, Y and Z. In case of Antenna model: ERA-E1, antenna was fixed vertically for normal use position, and the Wireless File Transmitter's position of three axes was checked. For both antenna models, Z was worst under the horizontal antenna polarization and X was worst under the vertical antenna polarization. The position in which the maximum noise occurred was chosen to put into measurement. See the photographs in page 16.

### **Radiated spurious emissions**

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. The result was also satisfied the general limits specified in Sec.15.209 (a).

Measurement range : 30MHz to 1000MHz CISPR QP Detector, IF BW 120kHz  
: 1GHz to 26GHz PK and AV Detector

Test data	: APPENDIX 2 Page 37 to 48 (30 - 1000MHz) : APPENDIX 2 Page 49 to 72 (1 - 26GHz) : APPENDIX 2 Page 73 to 88 (Band Edges: 2390MHz/ 2483.5MHz, Restricted band Charts)
Photographs of test setup	: Page 14 to 15
Test result	: Pass
Test instruments	: KAF-02, KAF-05, KAT10-S1, KAT6-02, KTR-01, KFL-01, HA-06 KCC-30/31/32/34, KCC-D3/D7, KBA-03, KHA-03, KLA-03 KAEC-01, KSA-04

## **5.5 § 15.247 (c) Out of Band Emissions (Antenna Port Conducted)**

### **Test Procedure**

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

Test data	: APPENDIX 2 Page 89 to 100
Test result	: Pass
Test instruments	: 1.0m length cable prepared by client, KTR-01

## **5.6 § 15.247 (d) Power Density (Antenna Port Conducted)**

### **Test Procedure**

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

Test data	: APPENDIX 2 Page 101 to 103
Test result	: Pass
Test instruments	: 1.0m length cable prepared by client, KTR-01

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## **APPENDIX 1: Photographs of test setup**

1. Page 12 - 13 : Conducted emission  
2. Page 14 - 15 : Radiated emission  
3. Page 16 : Pre check of worse-case position

## **APPENDIX 2: Test Data**

1. Page 17 – 32 : Conducted emission  
17 - 20 Transmitting (IEEE802.11b (11Mbps)) with Normal antenna NA-E1  
21 - 24 Transmitting (IEEE802.11g (54Mbps)) with Normal antenna NA-E1  
25 - 28 Transmitting (IEEE802.11b (11Mbps)) with Optional antenna ERA-E1  
29 - 32 Transmitting (IEEE802.11g (54Mbps)) with Optional antenna ERA-E1
2. Page 33 – 34 : 6dB Bandwidth (Antenna Port Conducted)  
33 Transmitting (IEEE802.11b (11Mbps))  
34 Transmitting (IEEE802.11g (54Mbps))
3. Page 35 – 36 : Maximum Peak Output Power (Antenna Port Conducted)  
35 Transmitting (IEEE802.11b (11Mbps)), Transmitting (IEEE802.11g (54Mbps))  
36 Spectrum Analyzer data at Transmitting (IEEE802.11g (54Mbps))
4. Page 37 – 88 : Out Band of Emissions (Radiated)  
30-1000MHz  
37 - 39 Transmitting (IEEE802.11b (11Mbps)) with Normal antenna NA-E1  
40 - 42 Transmitting (IEEE802.11g (54Mbps)) with Normal antenna NA-E1  
43 - 45 Transmitting (IEEE802.11b (11Mbps)) with Optional antenna ERA-E1  
46 - 48 Transmitting (IEEE802.11g (54Mbps)) with Optional antenna ERA-E1  
1-26GHz  
49 - 54 Transmitting (IEEE802.11b (11Mbps)) with Normal antenna NA-E1  
55 - 60 Transmitting (IEEE802.11g (54Mbps)) with Normal antenna NA-E1  
61 - 66 Transmitting (IEEE802.11b (11Mbps)) with Optional antenna ERA-E1  
67 - 72 Transmitting (IEEE802.11g (54Mbps)) with Optional antenna ERA-E1  
Band Edges  
73 - 76 Transmitting (IEEE802.11b (11Mbps)) with Normal antenna NA-E1  
77 - 80 Transmitting (IEEE802.11g (54Mbps)) with Normal antenna NA-E1  
81 - 84 Transmitting (IEEE802.11b (11Mbps)) with Optional antenna ERA-E1  
85 - 88 Transmitting (IEEE802.11g (54Mbps)) with Optional antenna ERA-E1
5. Page 89 – 100: Out Band of Emissions (Antenna Port Conducted)  
89 - 94 Transmitting (IEEE802.11b (11Mbps))  
95 - 100 Transmitting (IEEE802.11g (54Mbps))
6. Page 101 – 103 : Power Density (Antenna Port Conducted)  
101 Transmitting (IEEE802.11b (11Mbps)), Transmitting (IEEE802.11g (54Mbps))  
102 Chart of Transmitting (IEEE802.11b (11Mbps))  
103 Chart of Transmitting (IEEE802.11g (54Mbps))

## **APPENDIX 3: Test instruments**

- Page 104 : Test instruments

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**Conducted emission (Part 1, Antenna model: NA-E1)**



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**Conducted emission (Part 2, Antenna model: ERA-E1)**



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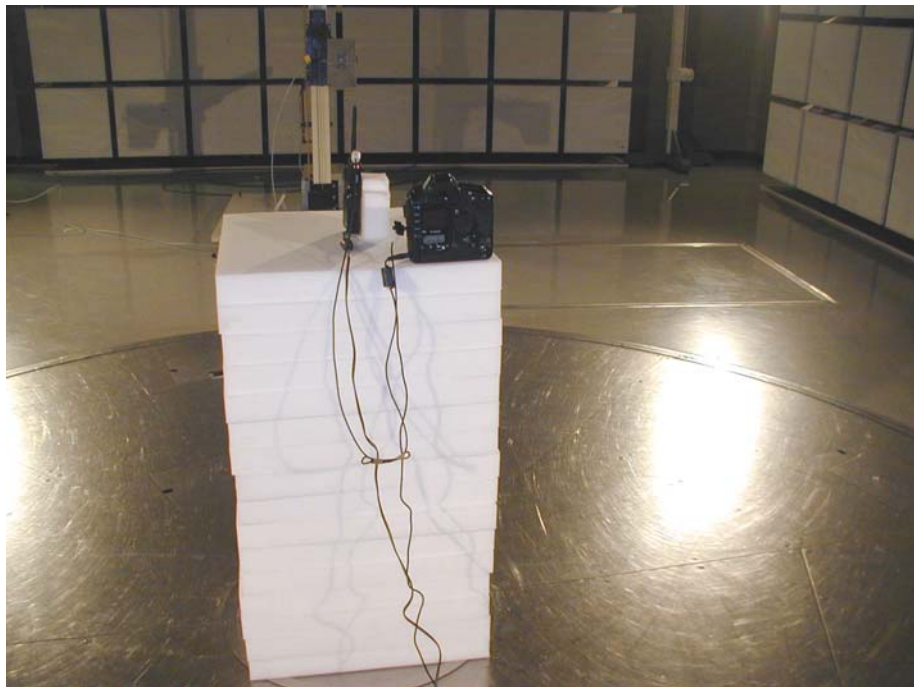
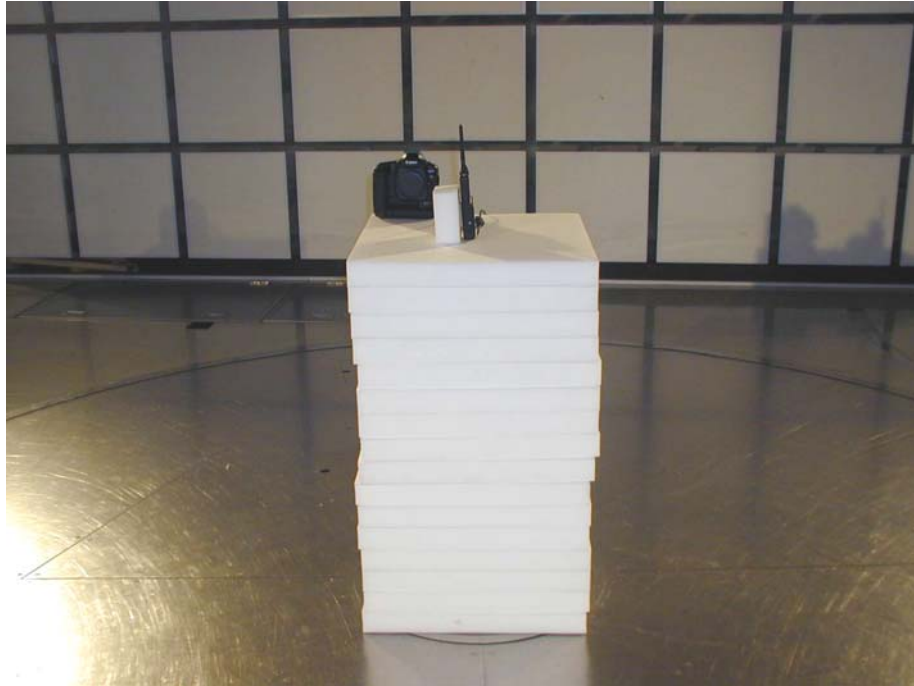
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**Radiated emission (Part 1, Antenna model: NA-E1)**



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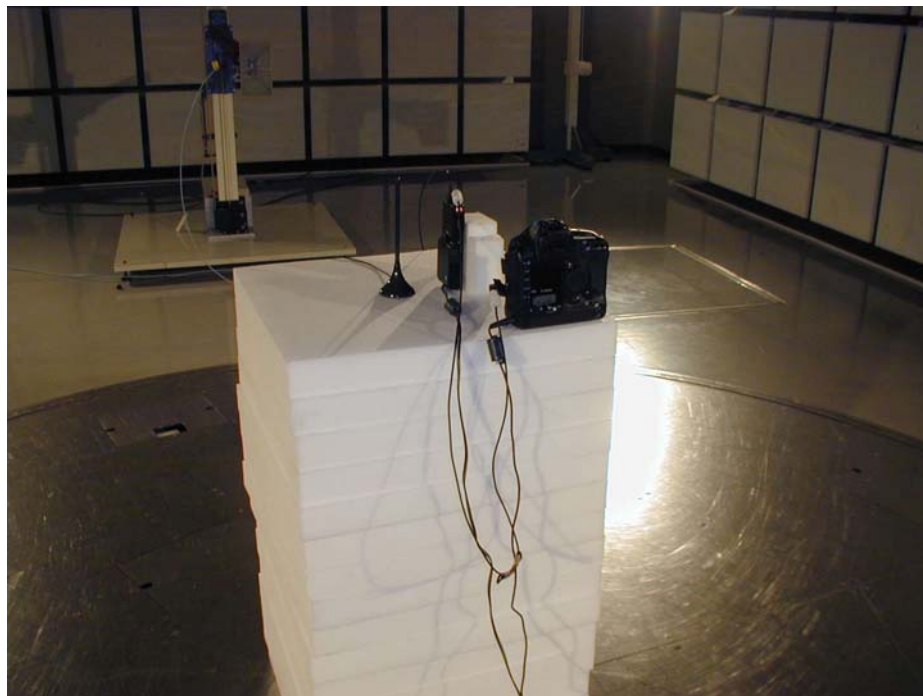
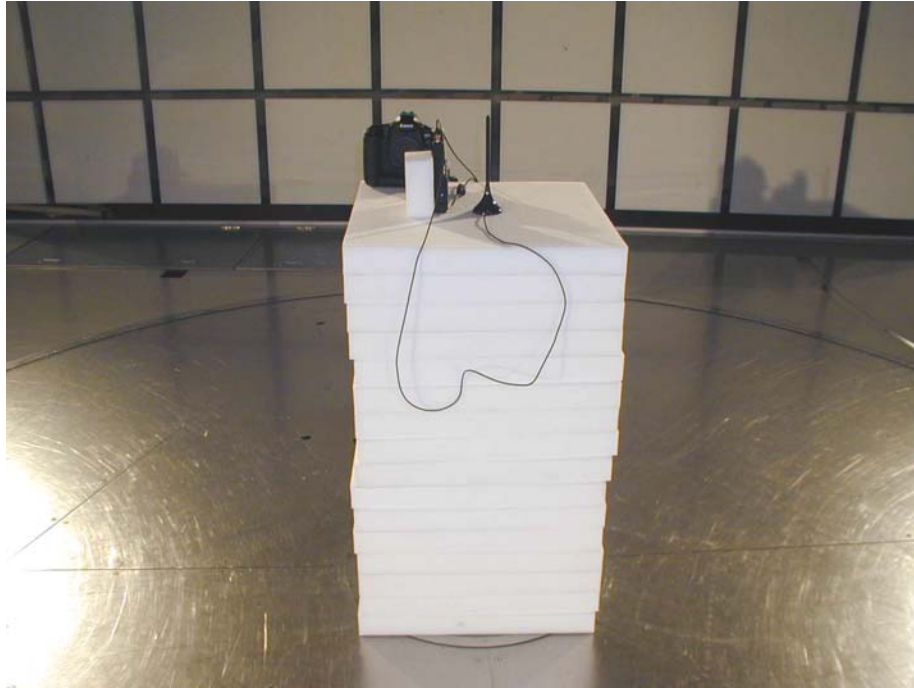
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**Radiated emission (Part 2, Antenna model: ERA-E1)**



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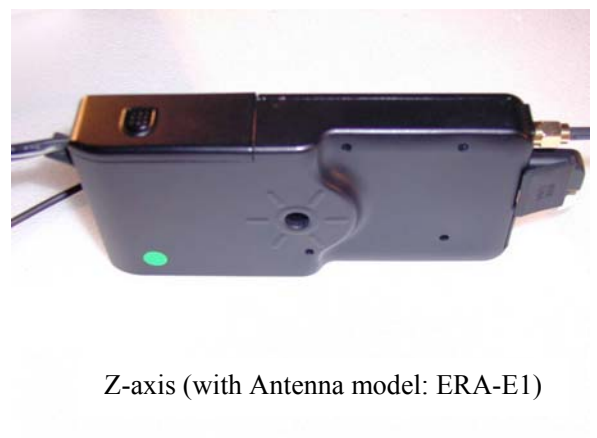
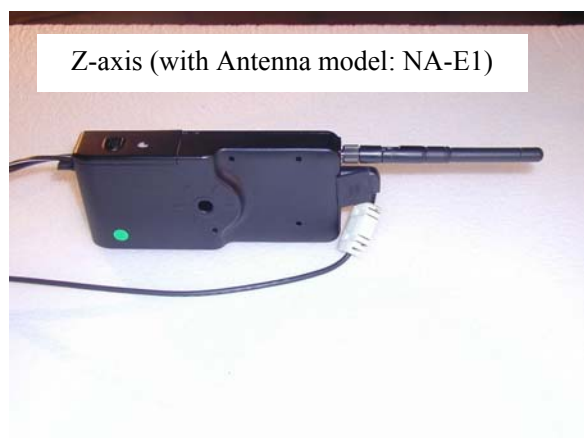
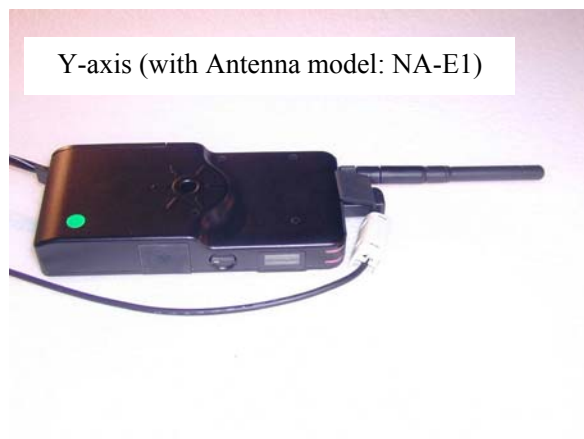
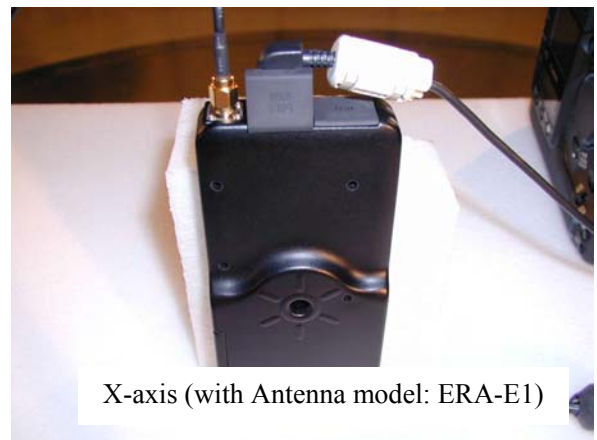
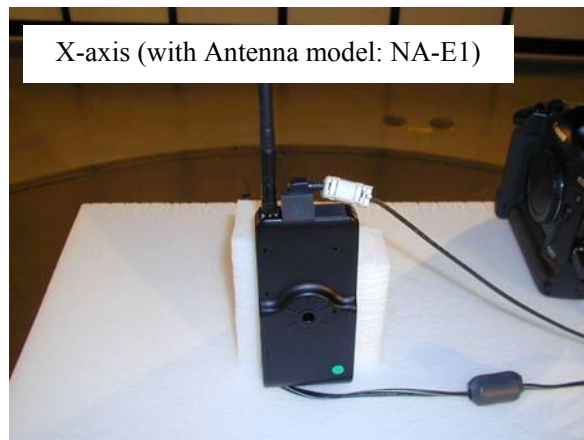
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**Pre check of worse-case position**



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# DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.3 SHIELD TEST ROOM  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11b(11Mbps)/Antenna model:NA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C Engineer : Toyokazu Imamura  
Humidity : 64 %  
Regulation : FCC Part15C § 15.207. (CISPR Pub. 22 )

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV [dB μV]	QP [dB μV]	AV [dB μV]				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1976	49.6	40.8	47.8	37.6	0.2	0.2	0.0	50.0	41.2	63.7	53.7	13.7	12.5
2.	0.2988	45.0	38.5	42.3	34.4	0.2	0.2	0.0	45.4	38.9	60.3	50.3	14.9	11.4
3.	0.3977	41.4	36.3	38.1	33.3	0.2	0.2	0.0	41.8	36.7	57.9	47.9	16.1	11.2
4.	0.4978	40.2	36.5	36.9	32.5	0.2	0.2	0.0	40.6	36.9	56.0	46.0	15.4	9.1
5.	0.5972	40.6	37.8	37.7	33.7	0.2	0.1	0.0	40.9	38.1	56.0	46.0	15.1	7.9
6.	0.8947	39.9	37.6	37.3	34.9	0.2	0.1	0.0	40.2	37.9	56.0	46.0	15.8	8.1
7.	1.5908	36.9	34.7	33.4	30.5	0.2	0.3	0.0	37.4	35.2	56.0	46.0	18.6	10.8

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■ LISN:KLS-05 (NSLK8126) ■ COAXIAL CABLE:KCC-24/25/26/28

# DATA OF CONDUCTION TEST CHART

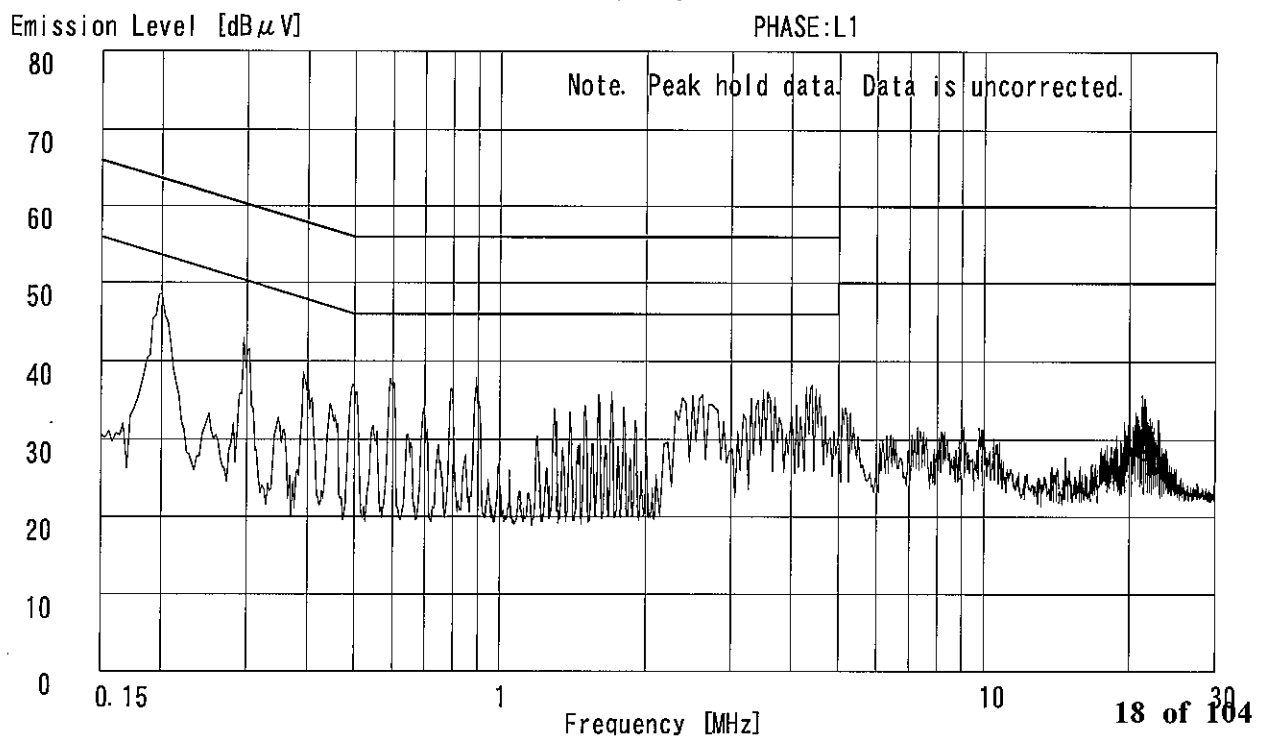
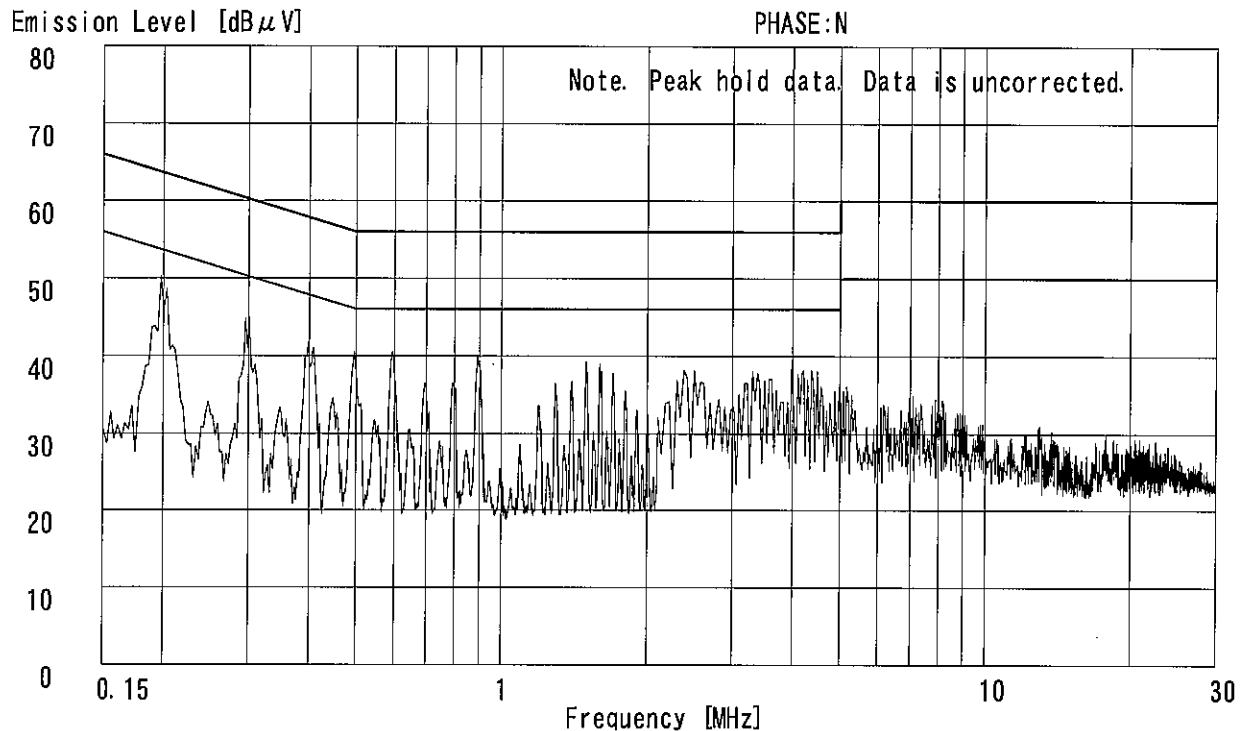
UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:NA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15. 207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura



# DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

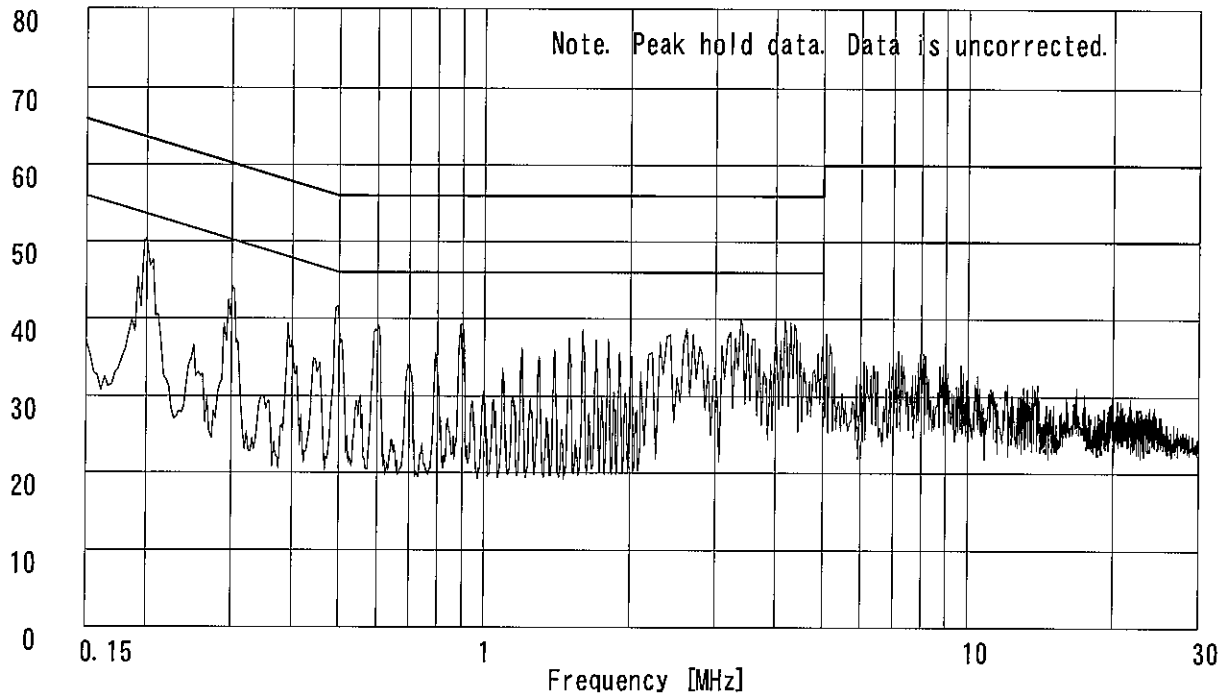
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11b (11Mbps) / Antenna model: NA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura

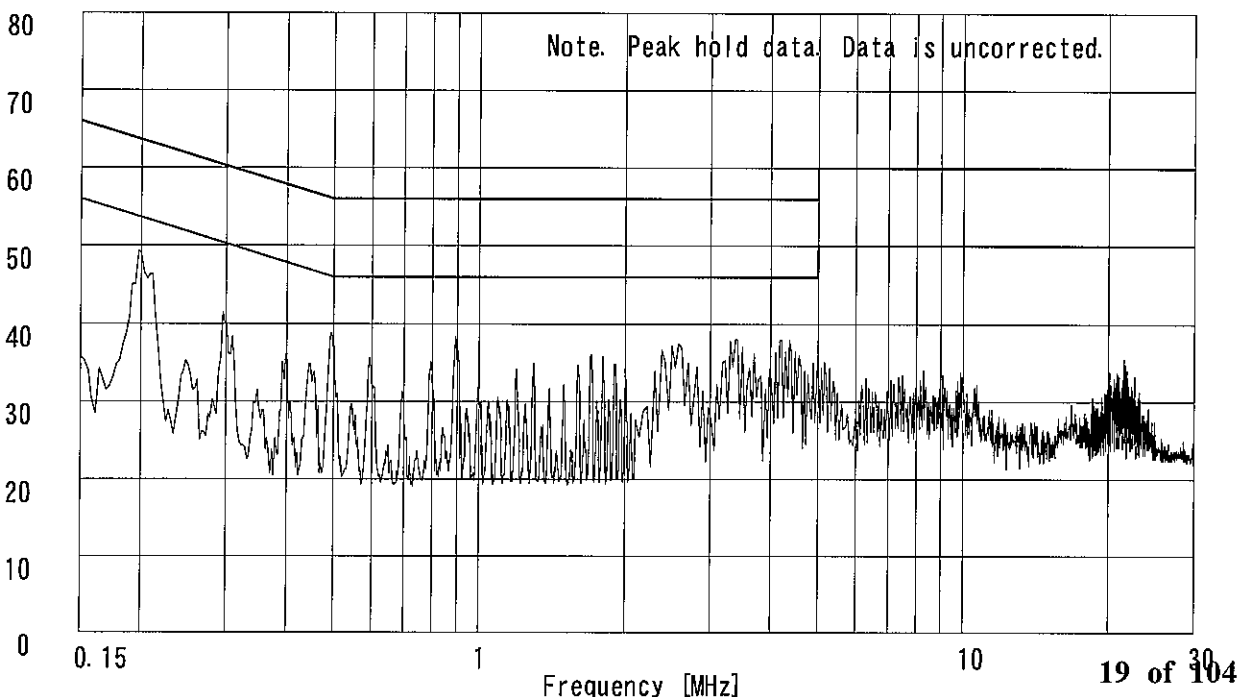
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

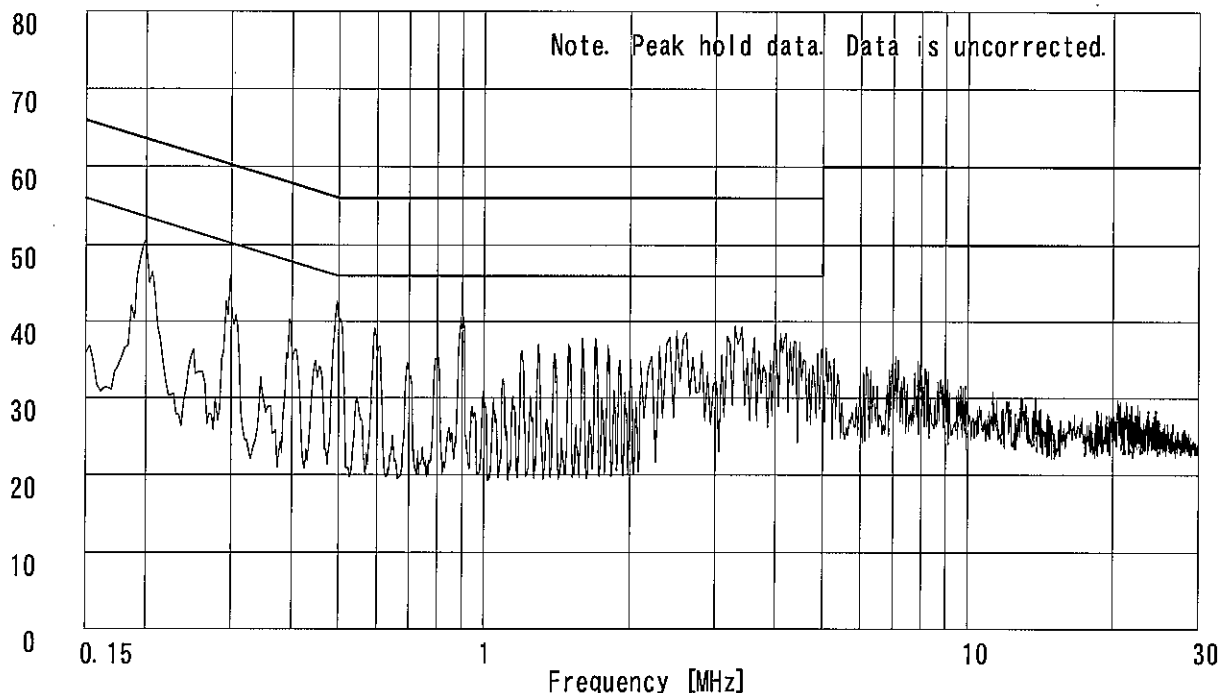
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:NA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura

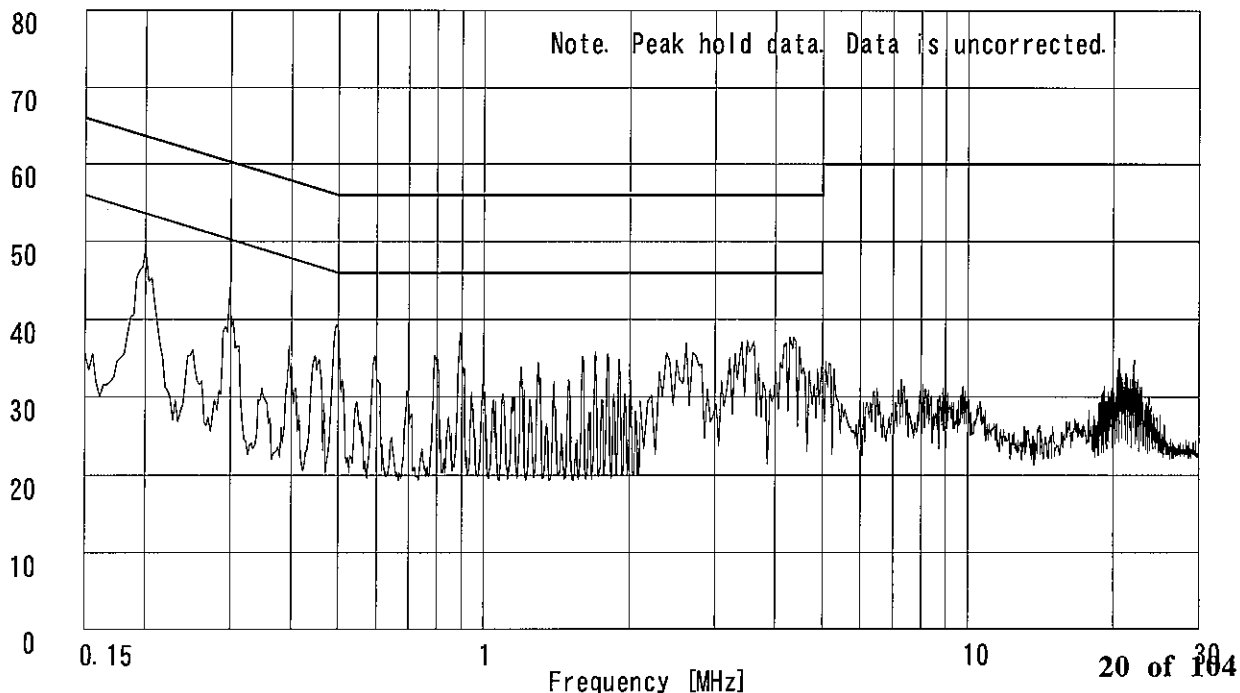
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



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# DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.3 SHIELD TEST ROOM  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C Engineer : Toyokazu Imamura  
Humidity : 64 %  
Regulation : FCC Part15C § 15.207. (CISPR Pub. 22 )

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV [dB μV]	QP [dB μV]	AV [dB μV]				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1981	49.7	40.8	48.3	38.2	0.2	0.2	0.0	50.1	41.2	63.7	53.7	13.6	12.5
2.	0.2968	44.9	38.5	42.5	34.4	0.2	0.2	0.0	45.3	38.9	60.3	50.3	15.0	11.4
3.	0.3963	40.5	36.0	35.5	29.3	0.2	0.2	0.0	40.9	36.4	57.9	47.9	17.0	11.5
4.	0.4987	40.0	37.0	39.1	35.6	0.2	0.2	0.0	40.4	37.4	56.0	46.0	15.6	8.6
5.	0.5957	39.9	37.5	34.9	32.6	0.2	0.1	0.0	40.2	37.8	56.0	46.0	15.8	8.2
6.	0.8949	38.9	37.7	36.6	34.3	0.2	0.1	0.0	39.2	38.0	56.0	46.0	16.8	8.0
7.	4.2734	37.9	36.1	36.3	34.3	0.3	0.7	0.0	38.9	37.1	56.0	46.0	17.1	8.9

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■ LISN:KLS-05 (NSLK8126) ■ COAXIAL CABLE:KCC-24/25/26/28

# DATA OF CONDUCTION TEST CHART

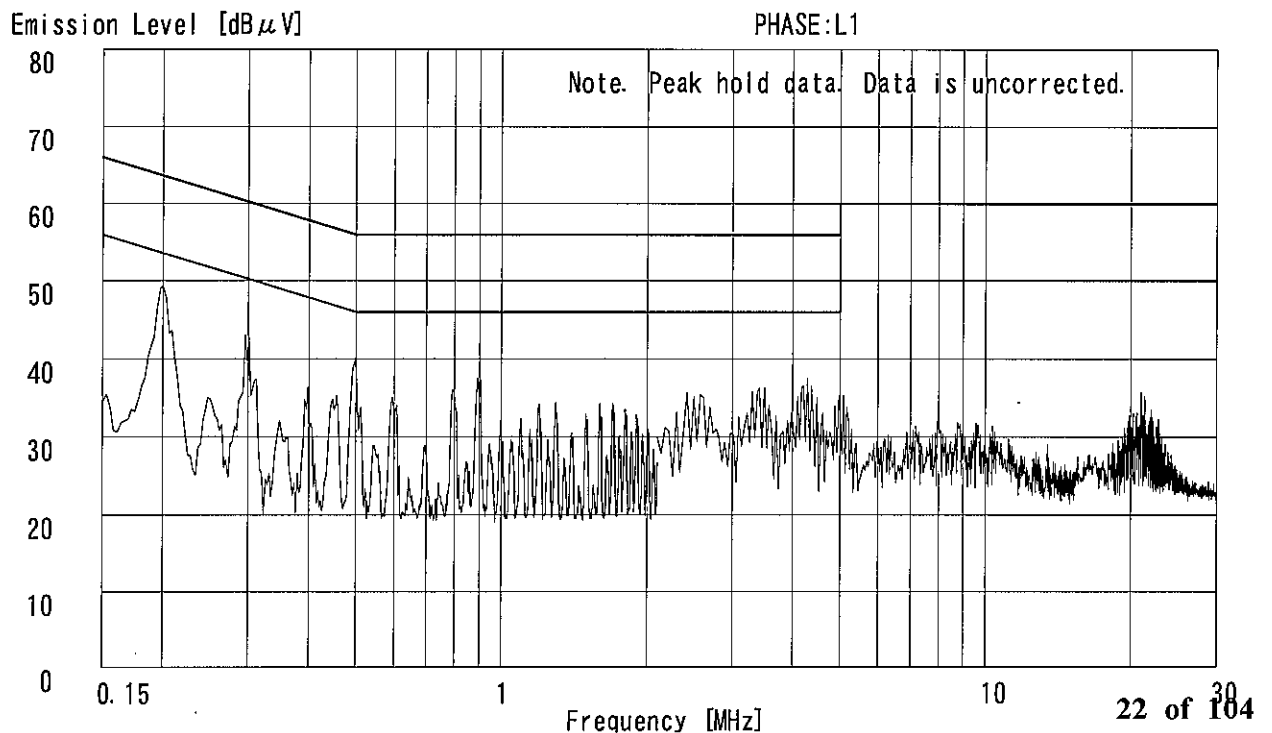
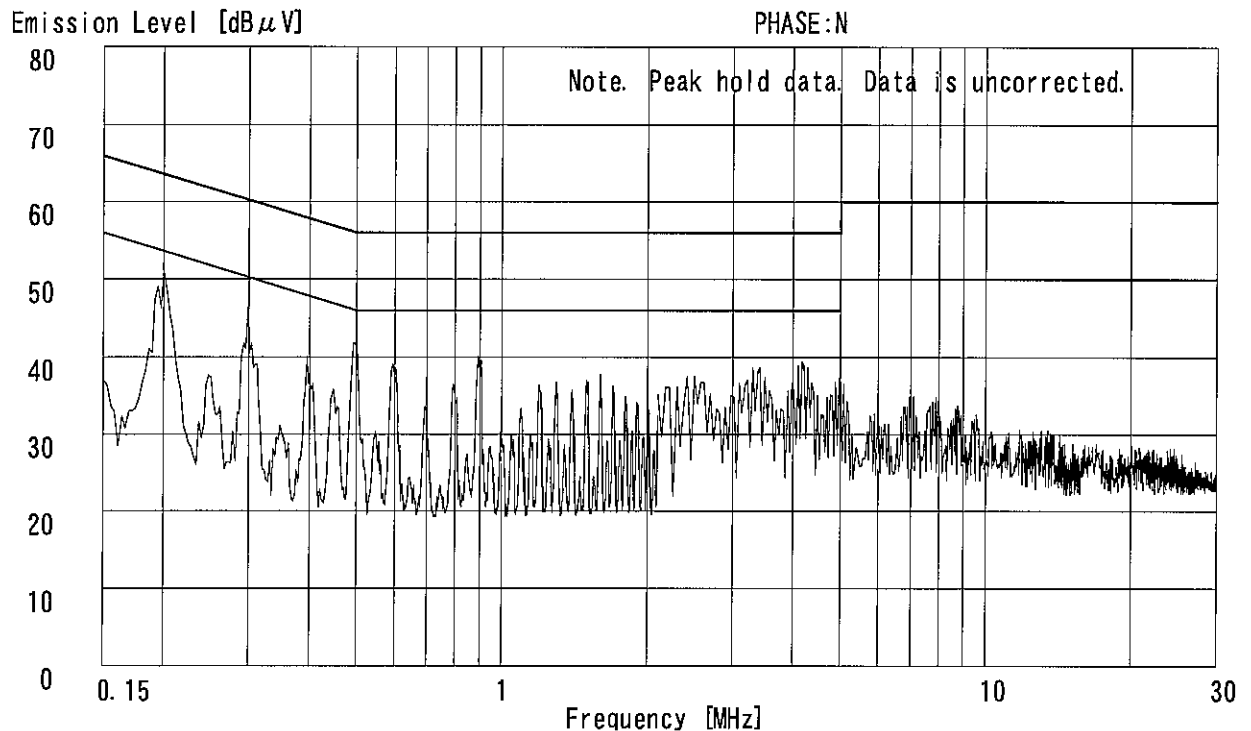
UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15. 207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura



# DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

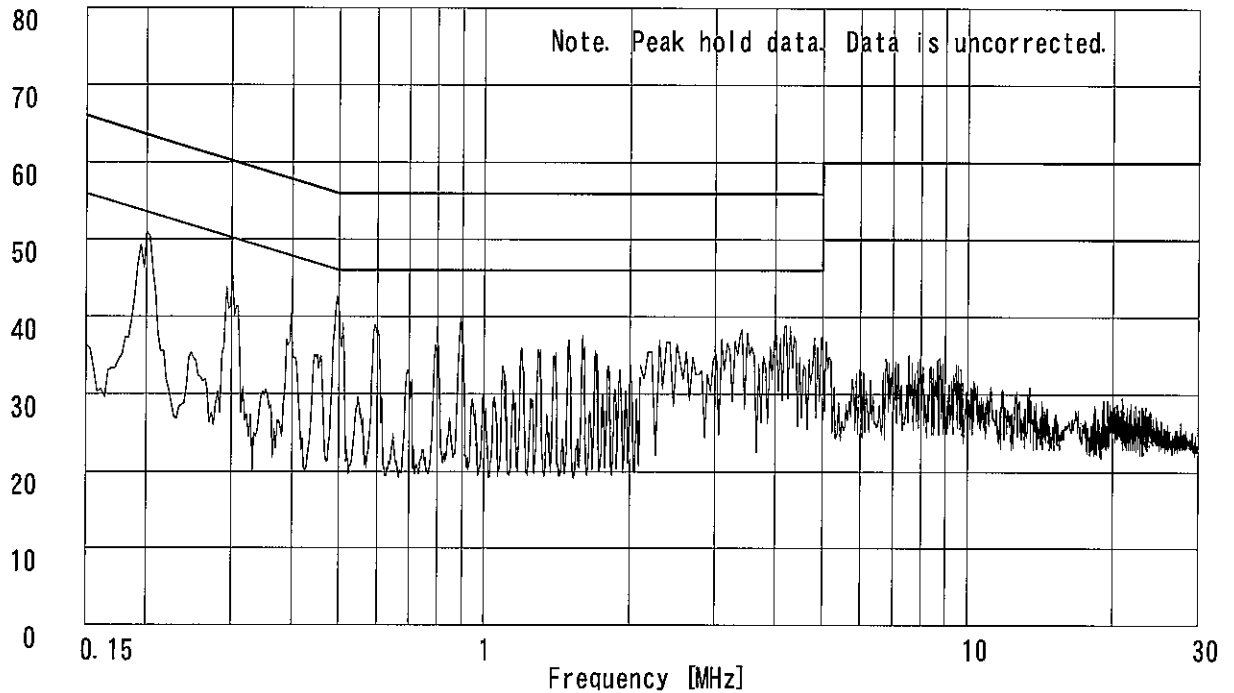
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura

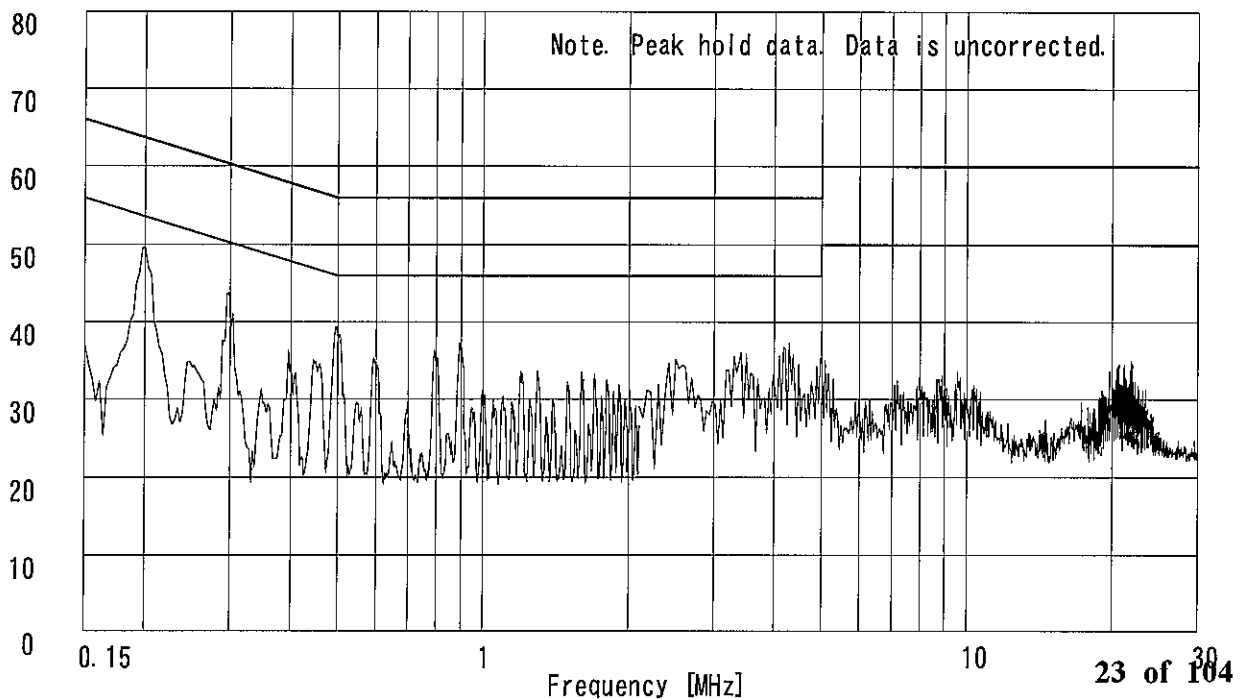
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF CONDUCTION TEST CHART

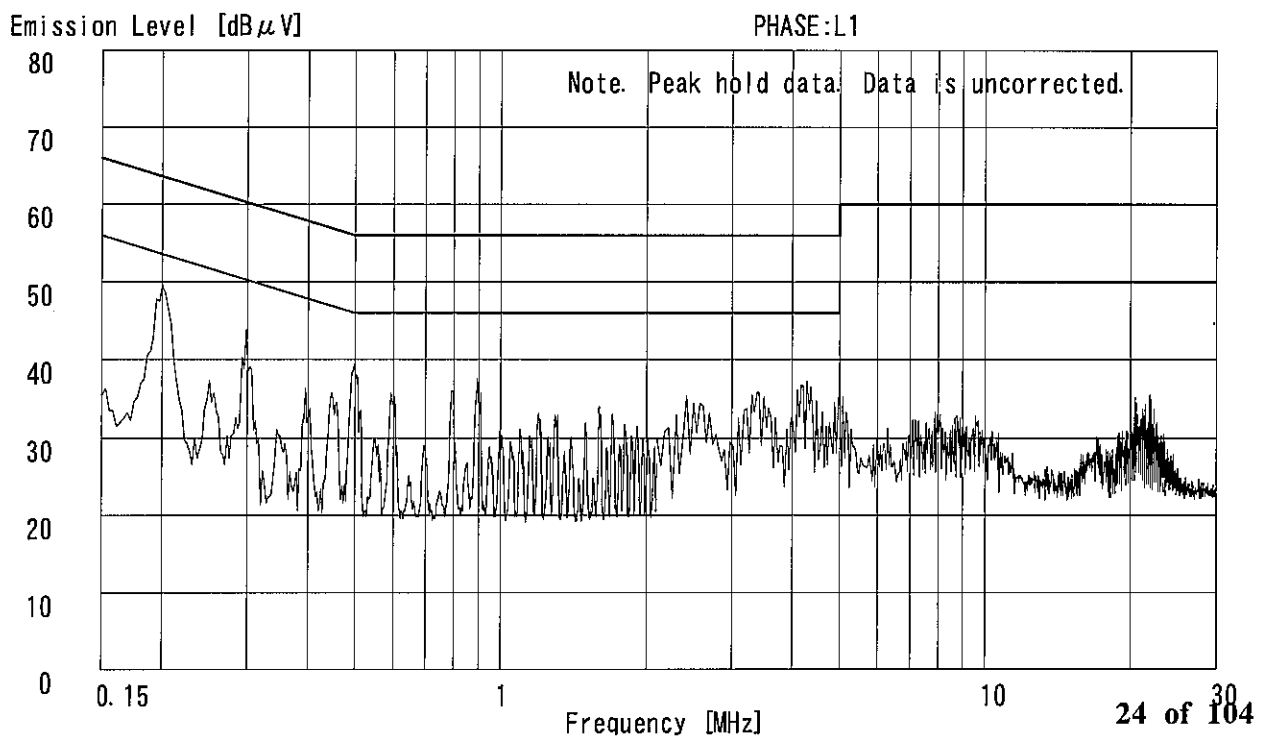
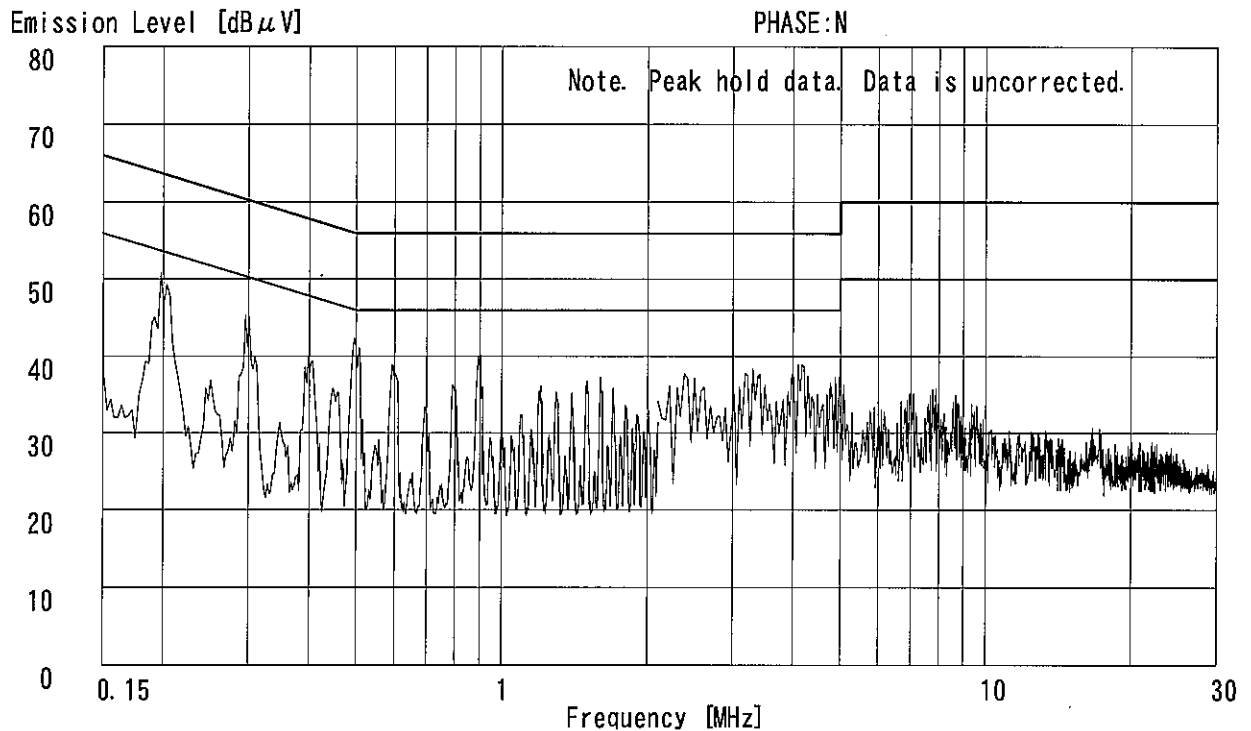
UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15. 207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura





# DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.3 SHIELD TEST ROOM  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:ERA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C Engineer : Toyokazu Imamura  
Humidity : 64 %  
Regulation : FCC Part15C § 15.207. (CISPR Pub. 22 )

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV [dB μV]	QP [dB μV]	AV [dB μV]				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1996	49.6	40.2	47.0	37.5	0.2	0.2	0.0	50.0	40.6	63.6	53.6	13.6	13.0
2.	0.2974	44.7	38.1	42.0	34.2	0.2	0.2	0.0	45.1	38.5	60.3	50.3	15.2	11.8
3.	0.3959	39.3	35.1	34.9	28.9	0.2	0.2	0.0	39.7	35.5	57.9	47.9	18.2	12.4
4.	0.4977	40.2	36.3	37.5	34.2	0.2	0.2	0.0	40.6	36.7	56.0	46.0	15.4	9.3
5.	0.5972	38.7	37.5	34.5	32.9	0.2	0.1	0.0	39.0	37.8	56.0	46.0	17.0	8.2
6.	0.8939	39.5	38.1	36.8	34.9	0.2	0.1	0.0	39.8	38.4	56.0	46.0	16.2	7.6
7.	4.2730	38.4	36.8	35.9	34.6	0.3	0.7	0.0	39.4	37.8	56.0	46.0	16.6	8.2

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■ LISN:KLS-05 (NSLK8126) ■ COAXIAL CABLE:KCC-24/25/26/28

# DATA OF CONDUCTION TEST CHART

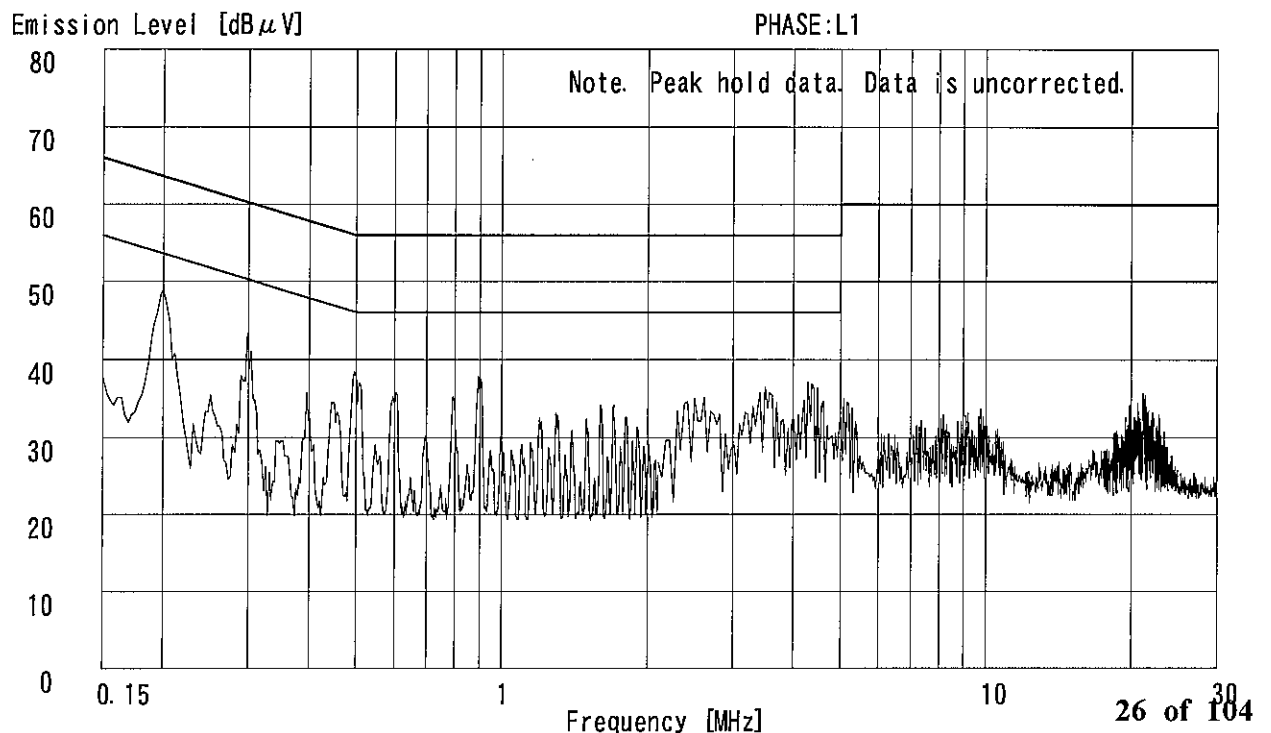
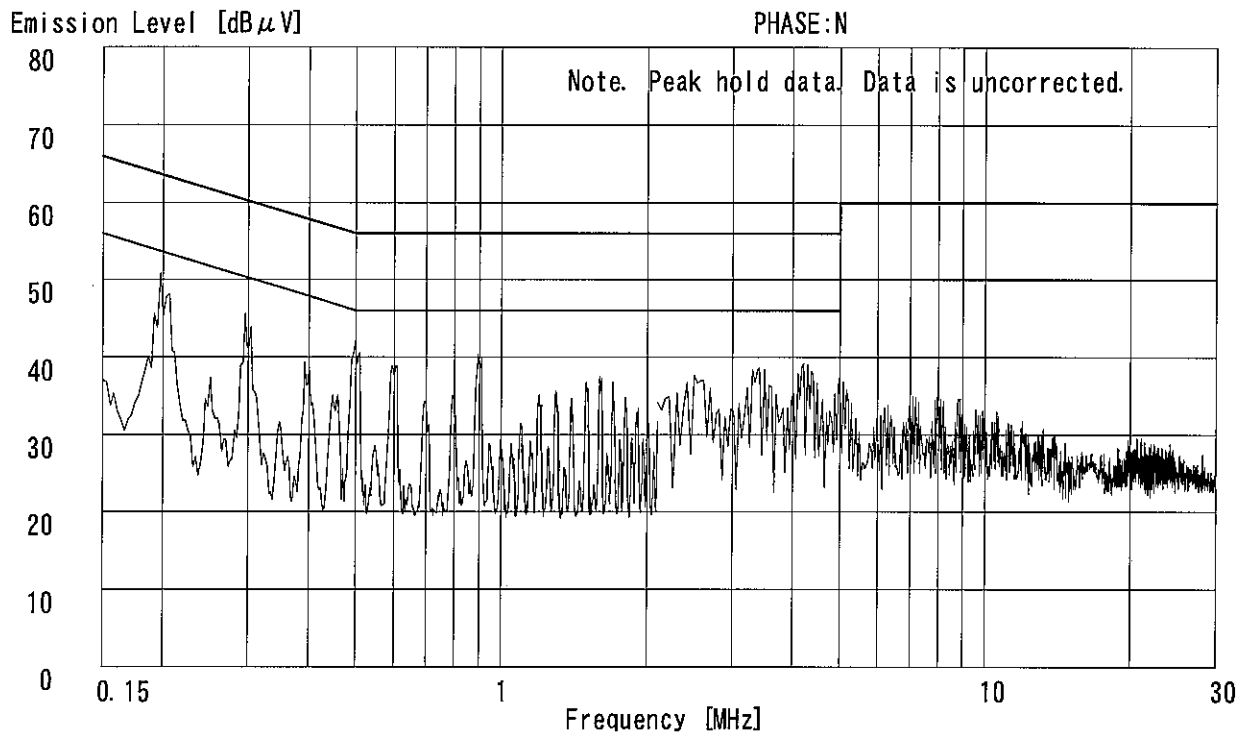
UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11b (11Mbps) / Antenna model: ERA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22 )  
Regulation 2 :

Engineer : Toyokazu Imamura



# DATA OF CONDUCTION TEST CHART

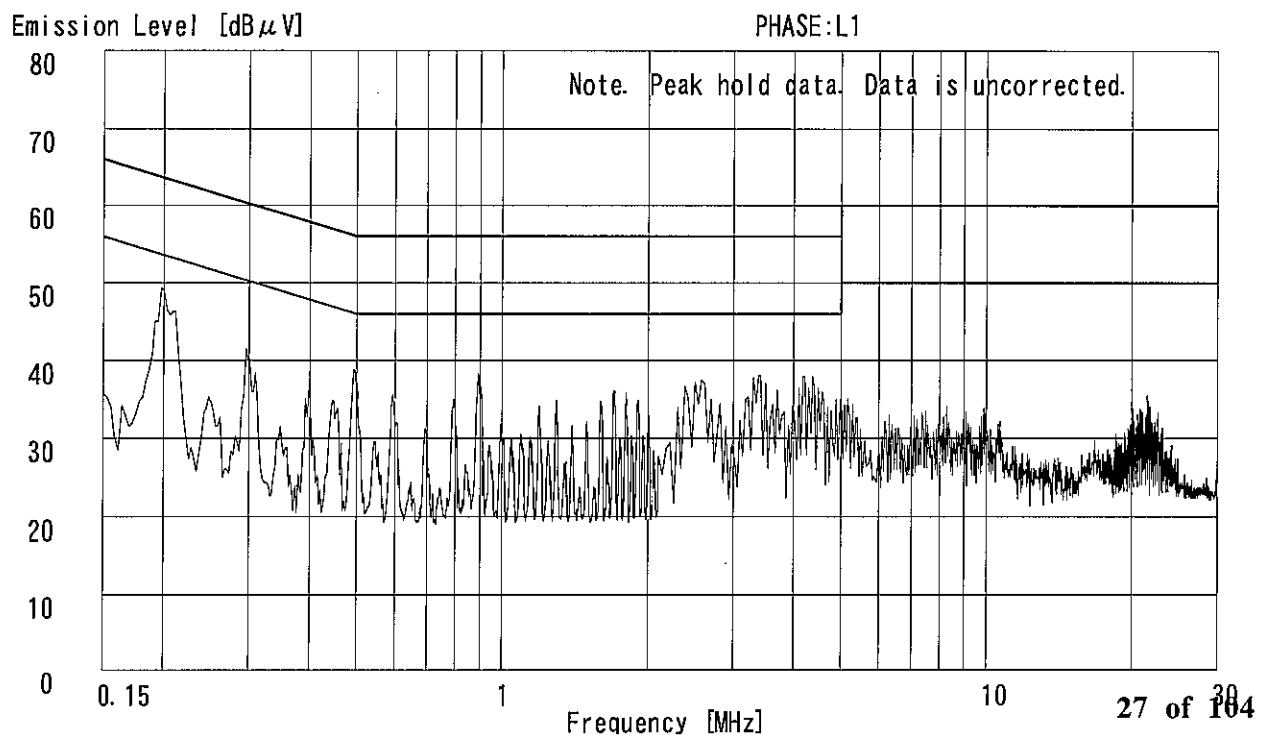
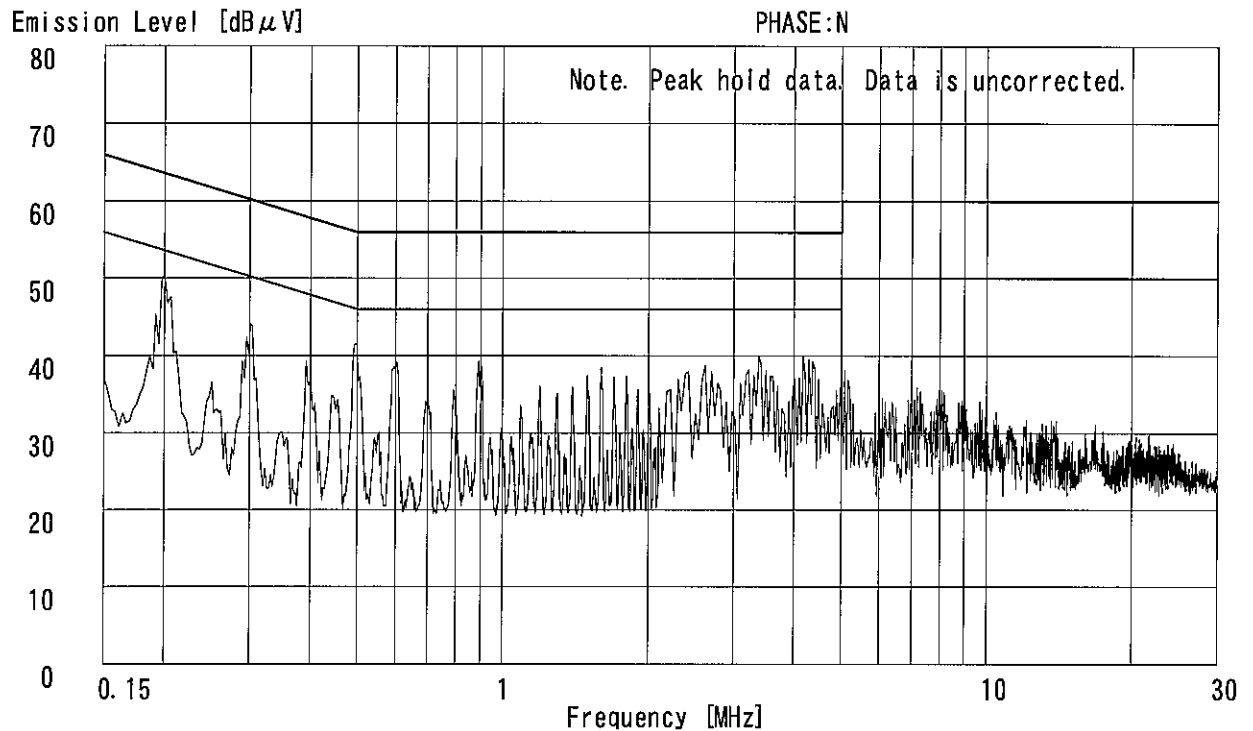
UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:ERA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15. 207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura



# DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

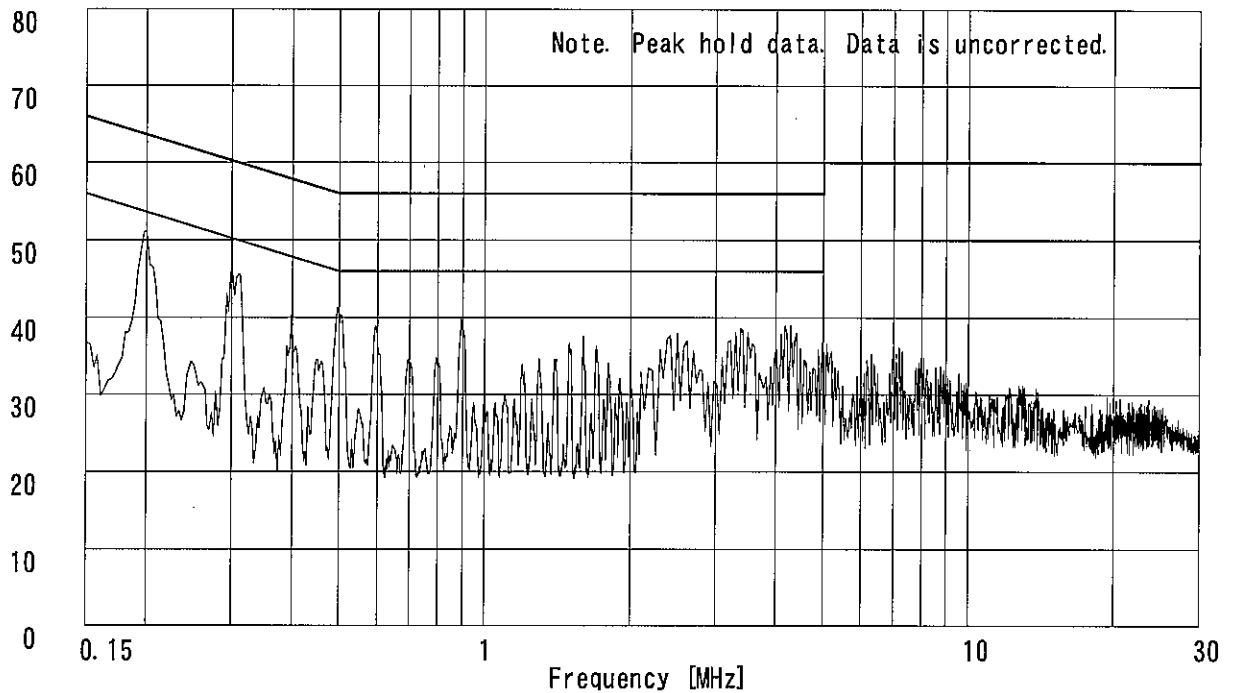
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:ERA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura

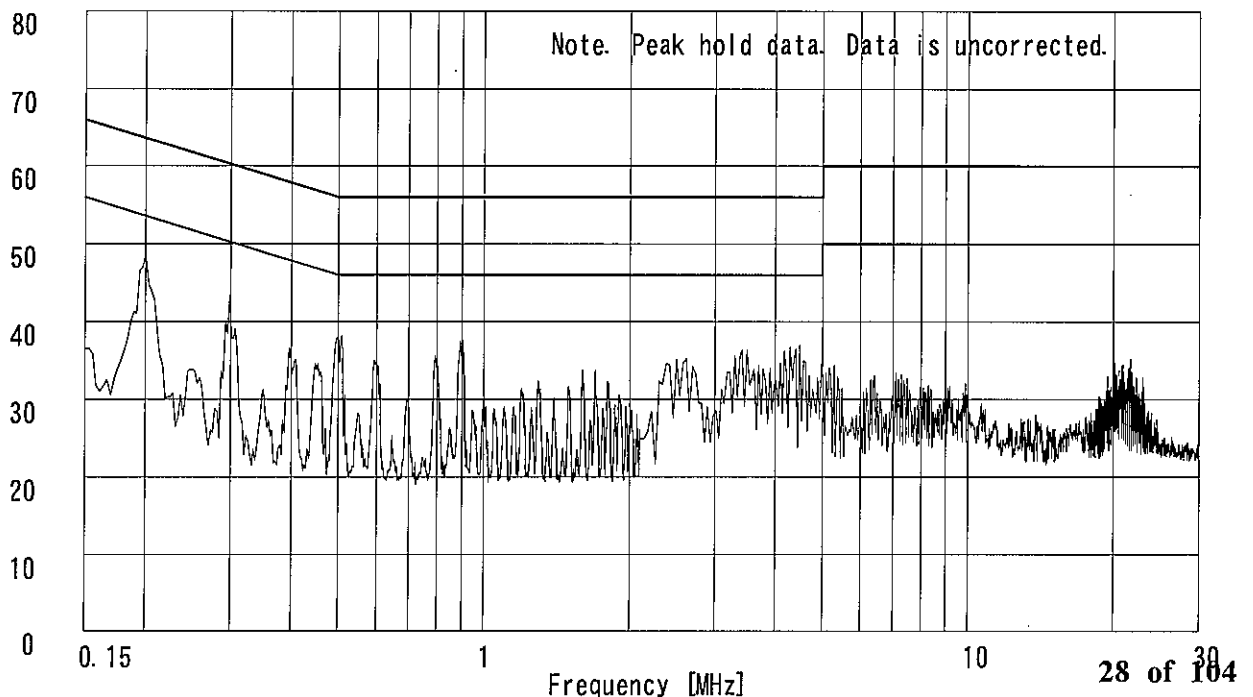
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.3 SHIELD TEST ROOM  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C Engineer : Toyokazu Imamura  
Humidity : 64 %  
Regulation : FCC Part15C § 15.207. (CISPR Pub. 22 )

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV [dB μV]	QP [dB μV]	AV [dB μV]				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1982	50.0	41.1	47.1	37.8	0.2	0.2	0.0	50.4	41.5	63.7	53.7	13.3	12.2
2.	0.2969	44.8	38.4	42.2	34.2	0.2	0.2	0.0	45.2	38.8	60.3	50.3	15.1	11.5
3.	0.3972	39.6	35.2	37.9	32.2	0.2	0.2	0.0	40.0	35.6	57.9	47.9	17.9	12.3
4.	0.4967	40.7	37.1	36.1	32.3	0.2	0.2	0.0	41.1	37.5	56.1	46.1	15.0	8.6
5.	0.5963	38.7	37.4	36.6	33.0	0.2	0.1	0.0	39.0	37.7	56.0	46.0	17.0	8.3
6.	0.8931	38.9	37.8	36.1	34.4	0.2	0.1	0.0	39.2	38.1	56.0	46.0	16.8	7.9
7.	4.1741	38.5	36.9	36.4	34.5	0.3	0.6	0.0	39.4	37.8	56.0	46.0	16.6	8.2

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■ LISN:KLS-05 (NSLK8126) ■ COAXIAL CABLE:KCC-24/25/26/28

# DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

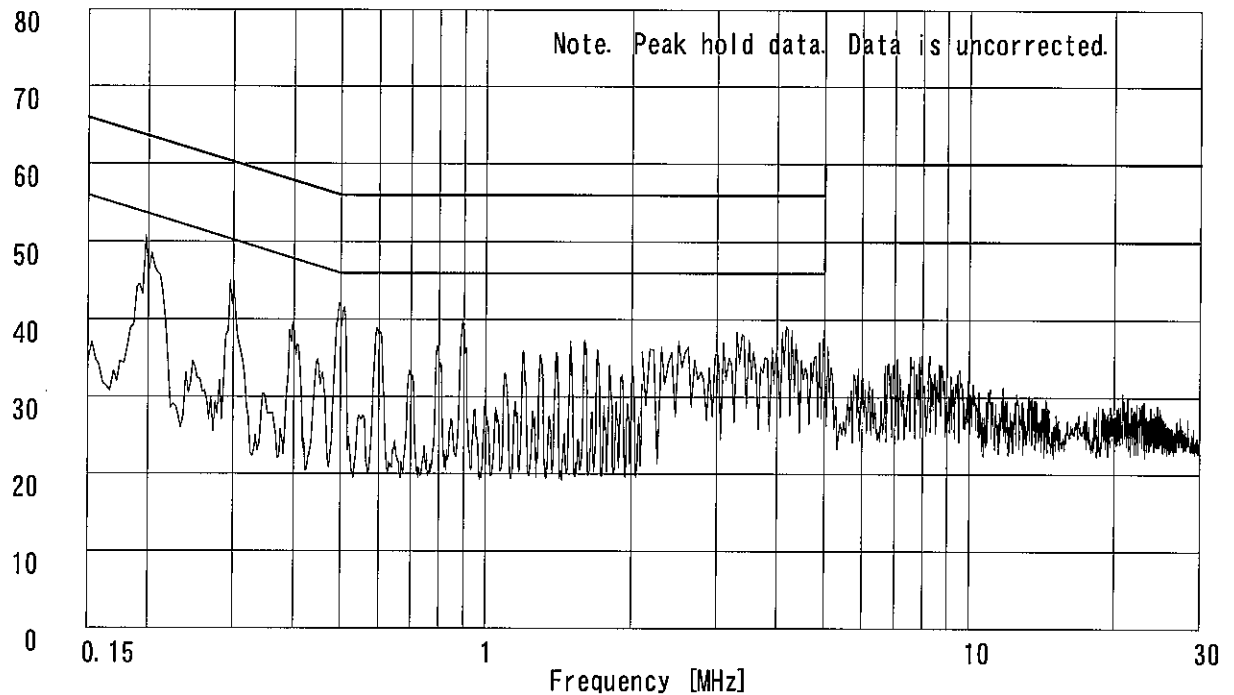
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura

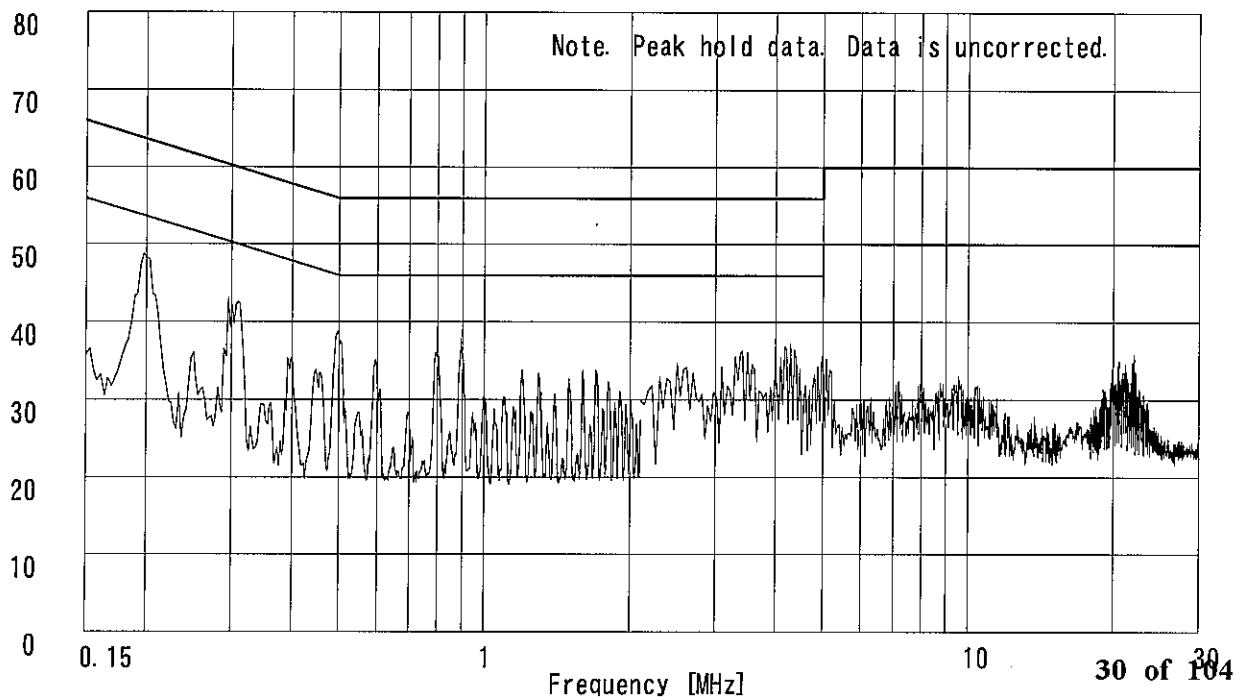
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF CONDUCTION TEST CHART

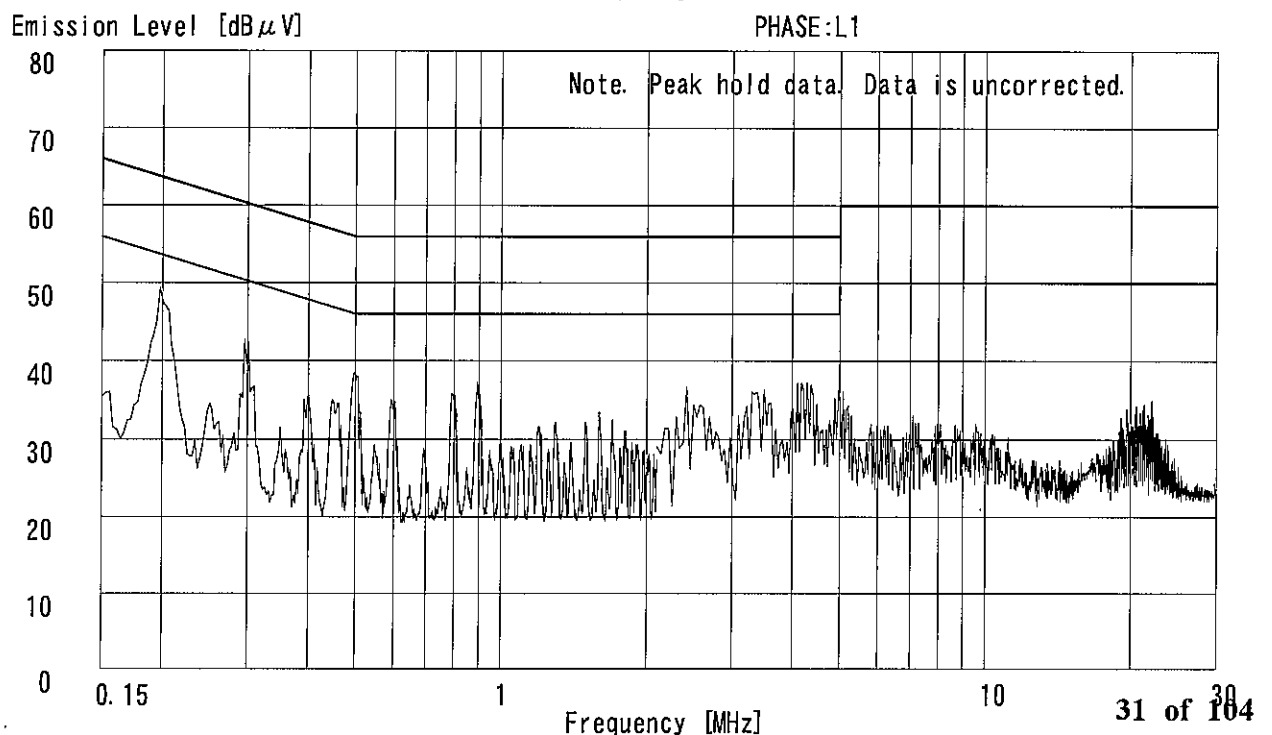
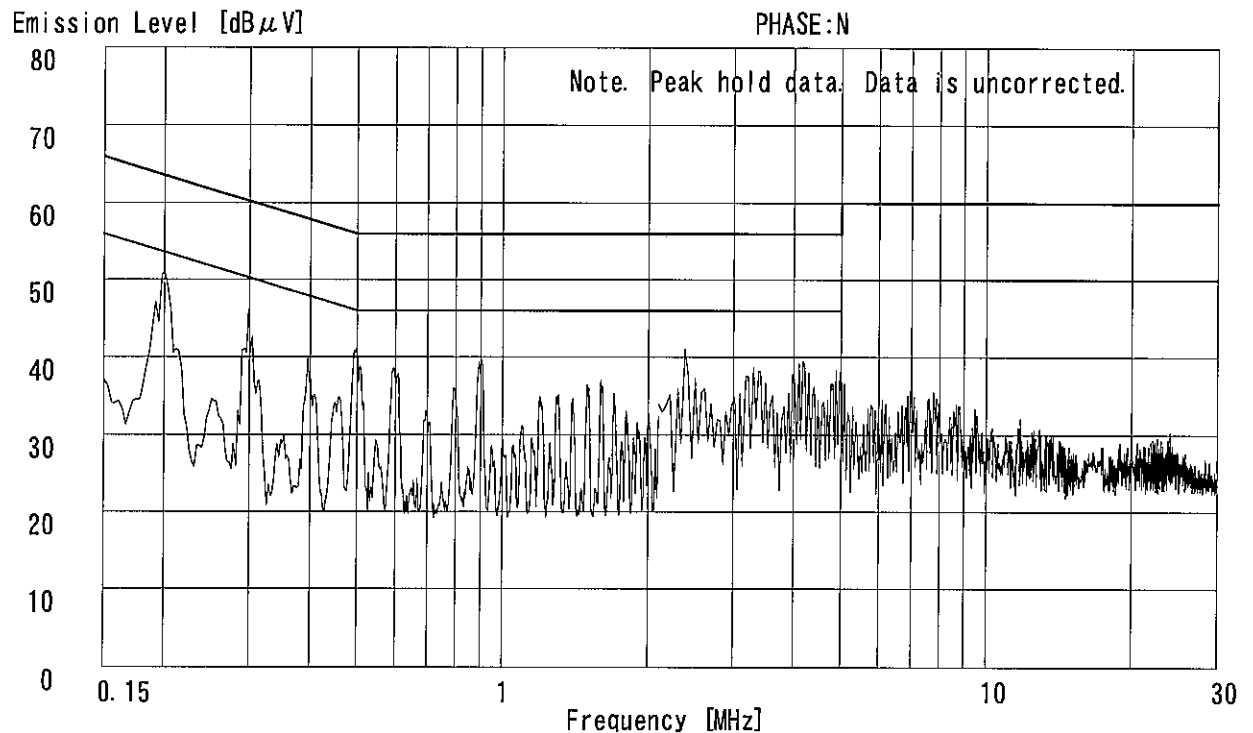
UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22 )  
Regulation 2 : None

Engineer : Toyokazu Imamura



# DATA OF CONDUCTION TEST CHART

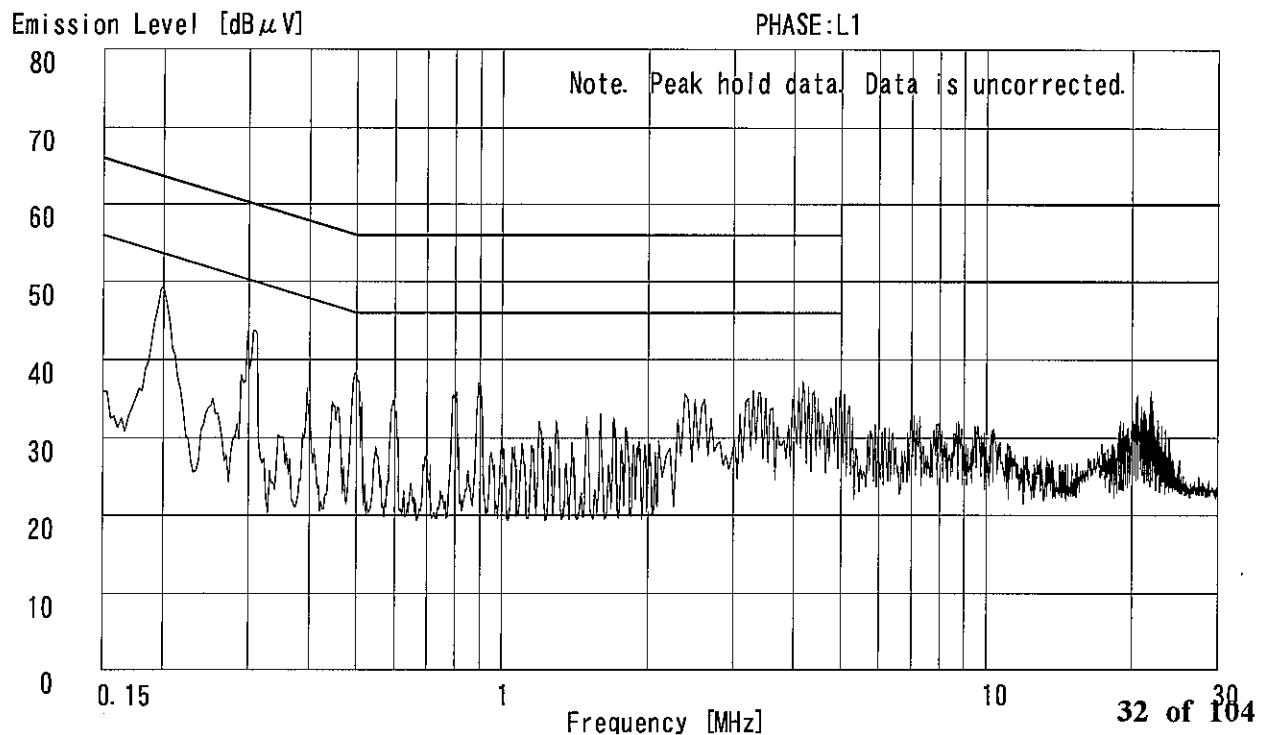
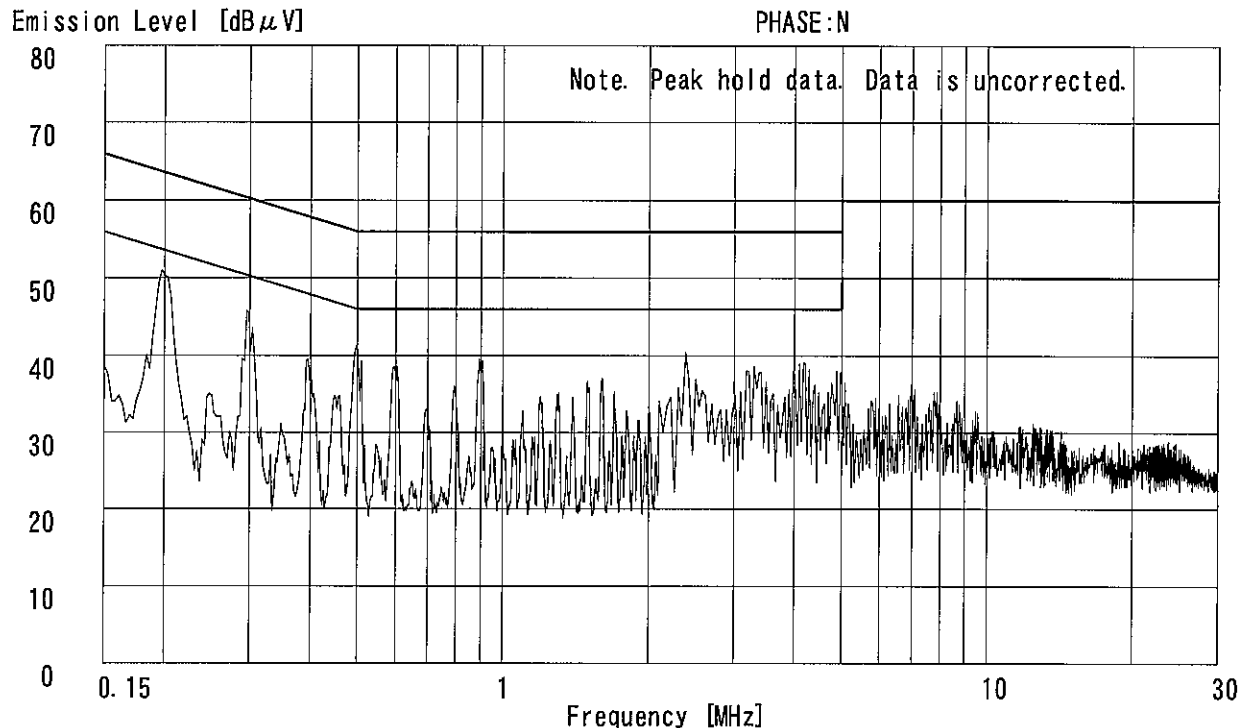
UL Apex Co.,Ltd.

YAMAKITA No.3 SHIELD TEST ROOM

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 8/7/2004  
Phase : Single Phase  
Temperature : 23 °C  
Humidity : 64 %  
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22 )  
Regulation 2 :

Engineer : Toyokazu Imamura



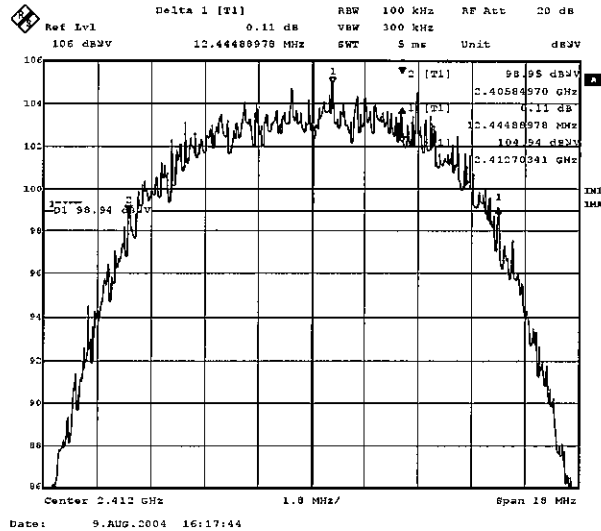


# 6dB Bandwidth: FCC 15.247(a)

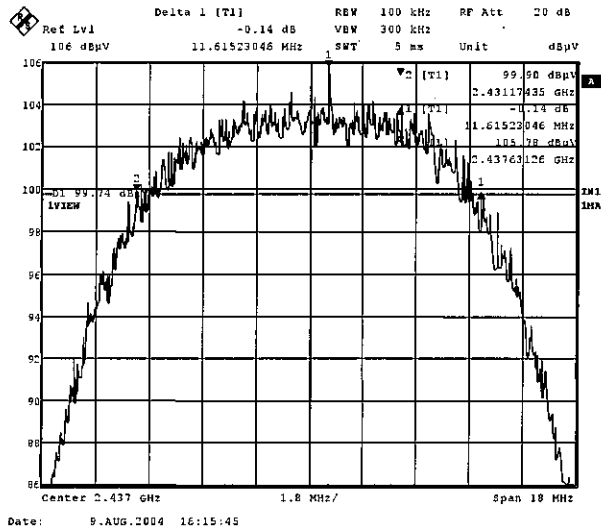
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11b(11Mbps)]

UL Apex Co.,Ltd. Yamakita No.2 Shielded Room  
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(a)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

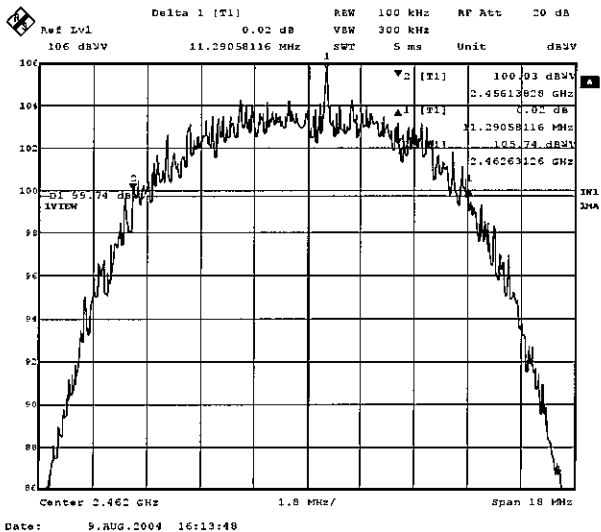
## 1. ch 1: 2412MHz/6dB Bandwidth:12.45MHz



## 2. ch 6: 2437MHz/6dB Bandwidth:11.62MHz



## 3. ch 11: 2462MHz/6dB Bandwidth:11.29MHz

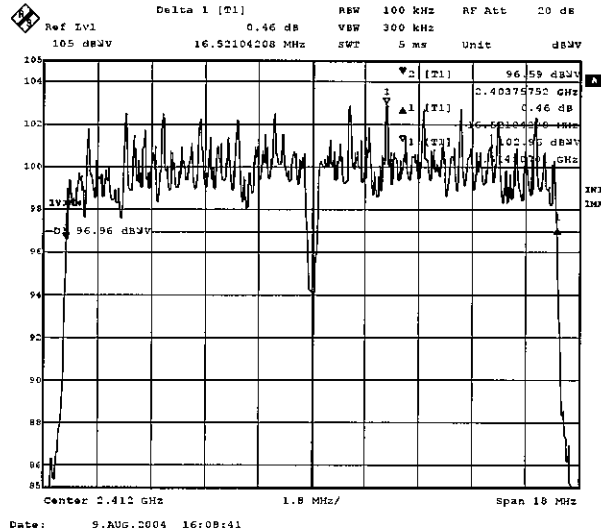


# 6dB Bandwidth: FCC 15.247(a)

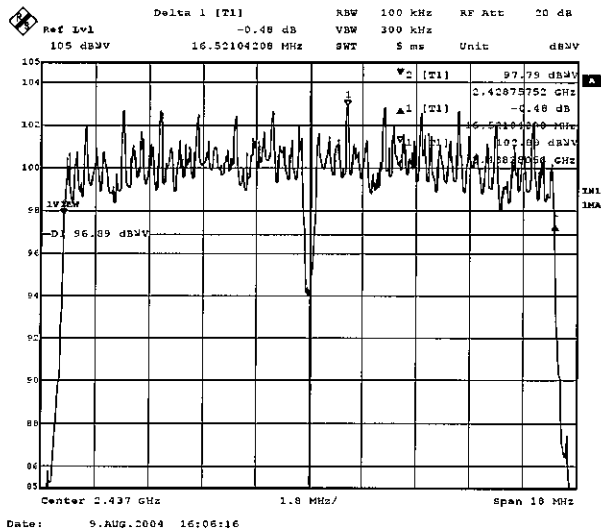
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11g(54Mbps)]

UL Apex Co.,Ltd. Yamakita No.2 Shielded Room  
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(a)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

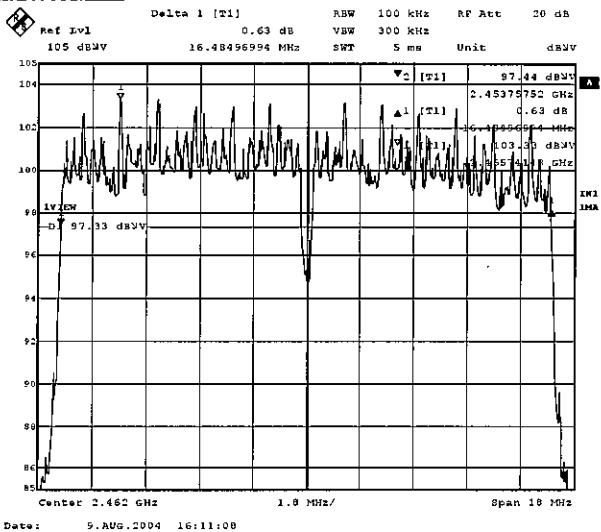
## 1. ch 1: 2412MHz/6dB Bandwidth:16.52MHz



## 2. ch 6: 2437MHz/6dB Bandwidth:16.52MHz



## 3. ch 11: 2462MHz/6dB Bandwidth:16.48MHz



## Peak Output Power (Conducted)

UL Apex Co.,Ltd

YAMAKITA NO.2 Shielded Room

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBE : DS508152  
SERIAL NUMBE : 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
TEST MODE : Transmitting

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(b)(3)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%

ENGINEER : Toyokazu Imamura

### IEEE802.11b(11Mbps)

CH	FREQ [GHz]	PM Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	9.56	0.3	9.86	30.0	20.14
Mid	2437.00	9.40	0.3	9.70	30.0	20.30
High	2462.00	9.00	0.3	9.30	30.0	20.70

### IEEE802.11g(54Mbps) \*

CH	FREQ [GHz]	S/A(PK) Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	14.42	0.3	14.72	30.0	15.28
Mid	2437.00	14.56	0.3	14.86	30.0	15.14
High	2462.00	14.26	0.3	14.56	30.0	15.44

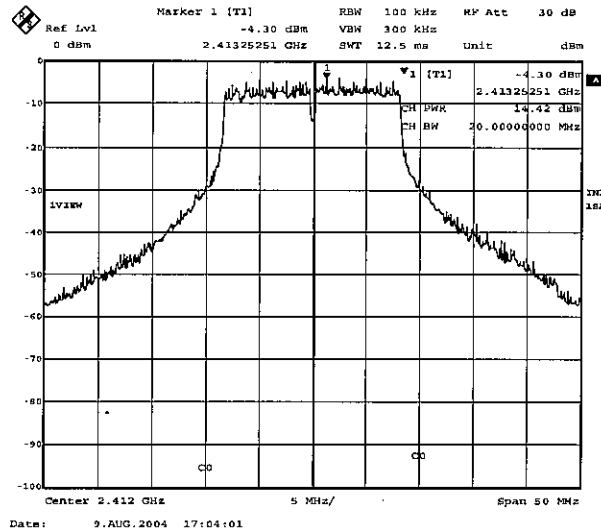
\*Test was performed using the function of the spectrum analyzer measuring of channel power.

# Peak Output Power: FCC 15.247(b)(3)

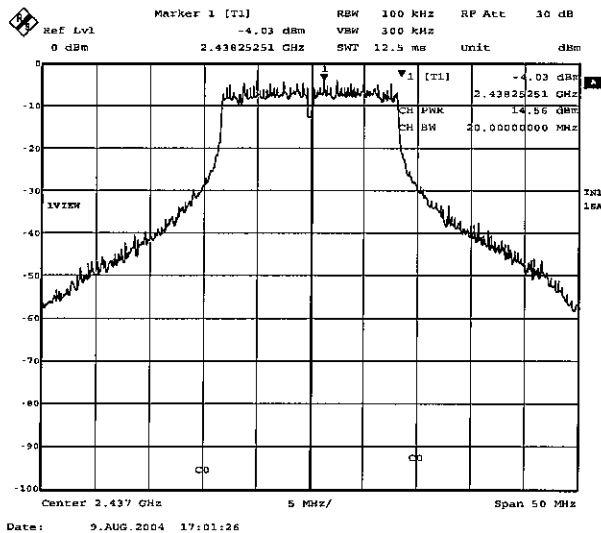
**COMPANY** : Canon Inc.  
**EQUIPMENT** : Wireless File Transmitter  
**MODEL NUMBER**: DS508152  
**SERIAL NUMBER**: 11001  
**FCC ID** : AZD-DS508152  
**POWER** : AC120V/60Hz  
**[IEEE802.11g (54Mbps)Spectrum Analyzer data ]**

**UL Apex Co.,Ltd. Yamakita No.2 Shielded Room**  
**REPORT NO** : 24JE0164-YK-1  
**REGULATION** : Fcc Part15 Subpart C247(b)(3)  
**DATE** : 2004/08/09  
**TEMP./HUMI** : 26°C/52%  
**TEST MODE** : Transmitting  
**ENGINEER** : Toyokazu Imamura

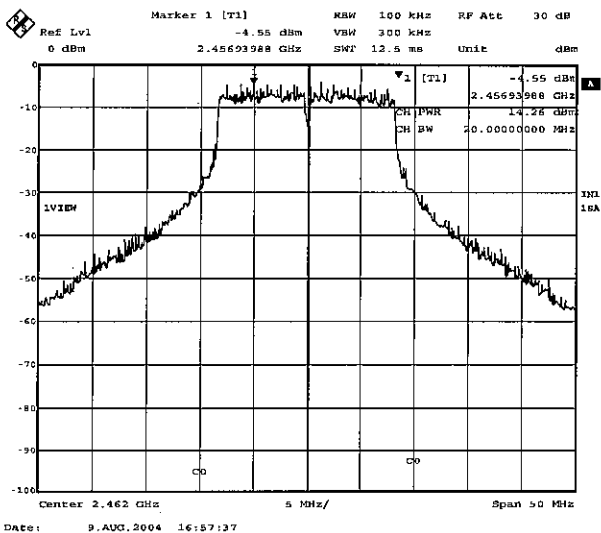
1. ch 1: 2412MHz



2. ch 6: 2437MHz



3. ch 11: 2462MHz



# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11b (11Mbps)/Antenna model:NA-E1  
Date : 8/4/2004  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	77.77	BB	37.1	48.1	6.6	28.7	1.7	6.2	22.9	33.9	40.0	17.1	6.1
2.	82.28	BB	38.4	47.3	7.0	28.7	1.7	6.2	24.6	33.5	40.0	15.4	6.5
3.	98.83	BB	40.4	44.2	10.3	28.6	1.9	6.2	30.2	34.0	43.5	13.3	9.5
4.	330.03	BB	41.2	42.6	15.4	28.0	3.7	6.2	38.5	39.9	46.0	7.5	6.1
5.	360.00	BB	46.1	44.4	16.1	28.3	3.8	6.2	43.9	42.2	46.0	2.1	3.8
6.	429.00	BB	38.1	41.6	17.3	28.8	4.2	6.2	37.0	40.5	46.0	9.0	5.5
7.	480.00	BB	33.7	39.0	17.9	29.1	4.5	6.2	33.2	38.5	46.0	12.8	7.5
8.	589.86	BB	35.8	34.5	19.6	29.4	5.0	6.3	37.3	36.0	46.0	8.7	10.0
9.	600.00	BB	37.7	36.1	19.8	29.5	5.1	6.3	39.4	37.8	46.0	6.6	8.2
10.	786.48	BB	30.5	32.3	21.6	29.3	5.8	6.3	34.9	36.7	46.0	11.1	9.3
11.	840.00	BB	37.9	37.3	21.8	29.1	6.0	6.3	42.9	42.3	46.0	3.1	3.7

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting (CH6:2437MHz)  
 Remarks : IEEE802.11b (11Mbps) /Antenna model:NA-E1  
 Date : 8/4/2004  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 61 %  
 Regulation : FCC Part15C § 15. 209

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	77.77	BB	39.2	47.8	6.6	28.7	1.7	6.2	25.0	33.6	40.0	15.0	6.4
2.	82.28	BB	40.9	47.2	7.0	28.7	1.7	6.2	27.1	33.4	40.0	12.9	6.6
3.	98.84	BB	40.3	46.5	10.3	28.6	1.9	6.2	30.1	36.3	43.5	13.4	7.2
4.	330.00	BB	39.8	42.6	15.4	28.0	3.7	6.2	37.1	39.9	46.0	8.9	6.1
5.	360.00	BB	46.4	44.6	16.1	28.3	3.8	6.2	44.2	42.4	46.0	1.8	3.6
6.	429.00	BB	33.4	35.0	17.3	28.8	4.2	6.2	32.3	33.9	46.0	13.7	12.1
7.	480.00	BB	32.8	37.1	17.9	29.1	4.5	6.2	32.3	36.6	46.0	13.7	9.4
8.	589.87	BB	35.9	35.5	19.6	29.4	5.0	6.3	37.4	37.0	46.0	8.6	9.0
9.	600.00	BB	35.7	37.3	19.8	29.5	5.1	6.3	37.4	39.0	46.0	8.6	7.0
10.	786.49	BB	31.9	30.1	21.6	29.3	5.8	6.3	36.3	34.5	46.0	9.7	11.5
11.	840.00	BB	38.1	35.2	21.8	29.1	6.0	6.3	43.1	40.2	46.0	2.9	5.8

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:NA-E1  
Date : 8/4/2004  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	77.77	BB	39.3	47.4	6.6	28.7	1.7	6.2	25.1	33.2	40.0	14.9	6.8
2.	82.28	BB	41.4	47.4	7.0	28.7	1.7	6.2	27.6	33.6	40.0	12.4	6.4
3.	98.95	BB	40.5	46.6	10.3	28.6	1.9	6.2	30.3	36.4	43.5	13.2	7.1
4.	330.00	BB	40.1	42.5	15.4	28.0	3.7	6.2	37.4	39.8	46.0	8.6	6.2
5.	360.00	BB	46.3	45.0	16.1	28.3	3.8	6.2	44.1	42.8	46.0	1.9	3.2
6.	429.00	BB	34.1	35.6	17.3	28.8	4.2	6.2	33.0	34.5	46.0	13.0	11.5
7.	480.00	BB	34.1	37.1	17.9	29.1	4.5	6.2	33.6	36.6	46.0	12.4	9.4
8.	589.86	BB	35.5	34.1	19.6	29.4	5.0	6.3	37.0	35.6	46.0	9.0	10.4
9.	600.00	BB	39.5	36.1	19.8	29.5	5.1	6.3	41.2	37.8	46.0	4.8	8.2
10.	786.48	BB	31.9	28.6	21.6	29.3	5.8	6.3	36.3	33.0	46.0	9.7	13.0
11.	840.00	BB	37.5	36.1	21.8	29.1	6.0	6.3	42.5	41.1	46.0	3.5	4.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11g (54Mbps)/Antenna model:NA-E1  
Date : 8/8/2004  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 59 %  
Regulation : FCC Part15C § 15.209

Engineer : Akira Sato

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	74.76	BB	41.1	48.7	6.7	28.6	1.6	6.1	26.9	34.5	40.0	13.1	5.5
2.	81.36	BB	38.3	48.0	6.8	28.7	1.7	6.2	24.3	34.0	40.0	15.7	6.0
3.	96.93	BB	33.0	36.5	9.9	28.6	1.9	6.2	22.4	25.9	43.5	21.1	17.6
4.	330.01	BB	39.5	38.0	15.4	28.0	3.7	6.2	36.8	35.3	46.0	9.2	10.7
5.	360.00	BB	43.1	45.9	16.1	28.3	3.8	6.2	40.9	43.7	46.0	5.1	2.3
6.	429.00	BB	33.3	31.5	17.3	28.8	4.2	6.2	32.2	30.4	46.0	13.8	15.6
7.	480.00	BB	33.1	36.4	17.9	29.1	4.5	6.2	32.6	35.9	46.0	13.4	10.1
8.	589.86	BB	38.1	35.2	19.6	29.4	5.0	6.3	39.6	36.7	46.0	6.4	9.3
9.	600.00	BB	40.9	37.7	19.8	29.5	5.1	6.3	42.6	39.4	46.0	3.4	6.6
10.	786.48	BB	29.9	27.9	21.6	29.3	5.8	6.3	34.3	32.3	46.0	11.7	13.7
11.	839.99	BB	34.0	36.1	21.8	29.1	6.0	6.3	39.0	41.1	46.0	7.0	4.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)



# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting(CH6:2437MHz)  
 Remarks : IEEE802.11g(54Mbps)/Antenna model:NA-E1  
 Date : 8/8/2004  
 Test Distance : 3 m  
 Temperature : 22 °C  
 Humidity : 59 %  
 Regulation : FCC Part15C § 15.209

Engineer : Akira Sato

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	75.33	BB	41.3	49.9	6.7	28.6	1.7	6.1	27.2	35.8	40.0	12.8	4.2
2.	81.57	BB	34.9	45.2	6.8	28.7	1.7	6.2	20.9	31.2	40.0	19.1	8.8
3.	96.89	BB	31.9	35.6	9.9	28.6	1.9	6.2	21.3	25.0	43.5	22.2	18.5
4.	330.01	BB	41.3	37.6	15.4	28.0	3.7	6.2	38.6	34.9	46.0	7.4	11.1
5.	360.00	BB	42.9	46.4	16.1	28.3	3.8	6.2	40.7	44.2	46.0	5.3	1.8
6.	429.00	BB	33.2	32.1	17.3	28.8	4.2	6.2	32.1	31.0	46.0	13.9	15.0
7.	479.99	BB	36.7	35.6	17.9	29.1	4.5	6.2	36.2	35.1	46.0	9.8	10.9
8.	589.86	BB	37.2	35.2	19.6	29.4	5.0	6.3	38.7	36.7	46.0	7.3	9.3
9.	600.00	BB	38.7	37.0	19.8	29.5	5.1	6.3	40.4	38.7	46.0	5.6	7.3
10.	786.48	BB	29.6	28.0	21.6	29.3	5.8	6.3	34.0	32.4	46.0	12.0	13.6
11.	840.00	BB	35.7	36.1	21.8	29.1	6.0	6.3	40.7	41.1	46.0	5.3	4.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz

■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting(CH11:2462MHz)  
Remarks : IEEE802.11g(54Mbps)/Antenna model:NA-E1  
Date : 8/8/2004  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 59 %  
Regulation : FCC Part15C § 15.209

Engineer : Akira Sato

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	75.12	BB	39.1	49.7	6.7	28.6	1.7	6.1	25.0	35.6	40.0	15.0	4.4
2.	81.43	BB	34.7	46.8	6.8	28.7	1.7	6.2	20.7	32.8	40.0	19.3	7.2
3.	98.00	BB	33.6	36.6	10.1	28.6	1.9	6.2	23.2	26.2	43.5	20.3	17.3
4.	330.01	BB	40.2	35.9	15.4	28.0	3.7	6.2	37.5	33.2	46.0	8.5	12.8
5.	360.00	BB	41.1	45.3	16.1	28.3	3.8	6.2	38.9	43.1	46.0	7.1	2.9
6.	429.00	BB	31.0	31.4	17.3	28.8	4.2	6.2	29.9	30.3	46.0	16.1	15.7
7.	480.00	BB	37.1	37.1	17.9	29.1	4.5	6.2	36.6	36.6	46.0	9.4	9.4
8.	589.87	BB	36.4	35.0	19.6	29.4	5.0	6.3	37.9	36.5	46.0	8.1	9.5
9.	600.00	BB	38.7	38.3	19.8	29.5	5.1	6.3	40.4	40.0	46.0	5.6	6.0
10.	786.48	BB	30.5	27.7	21.6	29.3	5.8	6.3	34.9	32.1	46.0	11.1	13.9
11.	840.00	BB	36.4	35.5	21.8	29.1	6.0	6.3	41.4	40.5	46.0	4.6	5.5

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11b (11Mbps)/Antenna model: ERA-E1  
Date : 8/8/2004  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 59 %  
Regulation : FCC Part15C § 15.209

Engineer : Akira Sato

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	60.00	BB	29.5	41.2	7.6	28.7	1.5	6.1	16.0	27.7	40.0	24.0	12.3
2.	78.18	BB	34.3	42.8	6.6	28.7	1.7	6.2	20.1	28.6	40.0	19.9	11.4
3.	82.31	BB	36.4	41.1	7.0	28.7	1.7	6.2	22.6	27.3	40.0	17.4	12.7
4.	330.01	BB	39.2	40.3	15.4	28.0	3.7	6.2	36.5	37.6	46.0	9.5	8.4
5.	360.00	BB	46.9	43.4	16.1	28.3	3.8	6.2	44.7	41.2	46.0	1.3	4.8
6.	400.00	BB	36.6	34.7	17.0	28.6	4.1	6.2	35.3	33.4	46.0	10.7	12.6
7.	589.87	BB	30.9	32.8	19.6	29.4	5.0	6.3	32.4	34.3	46.0	13.6	11.7
8.	599.99	BB	35.0	34.7	19.8	29.5	5.1	6.3	36.7	36.4	46.0	9.3	9.6
9.	786.48	BB	31.6	28.9	21.6	29.3	5.8	6.3	36.0	33.3	46.0	10.0	12.7
10.	840.00	BB	35.5	34.0	21.8	29.1	6.0	6.3	40.5	39.0	46.0	5.5	7.0

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant	: Canon Inc.		
Kind of Equipment	: Wireless File Transmitter		
Model No.	: DS508152		
Serial No.	: 11001		
Power	: AC120V/60Hz		
Mode	: Transmitting (CH6:2437MHz)		
Remarks	: IEEE802.11b(11Mbps)/Antenna model: ERA-E1		
Date	: 8/8/2004		
Test Distance	: 3 m		
Temperature	: 22 °C	Engineer	: Akira Sato
Humidity	: 59 %		
Regulation	: FCC Part15C § 15.209		

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	59.65	BB	28.5	40.6	7.7	28.7	1.5	6.1	15.1	27.2	40.0	24.9	12.8
2.	79.09	BB	33.1	42.2	6.6	28.7	1.7	6.2	18.9	28.0	40.0	21.1	12.0
3.	84.17	BB	32.5	39.7	7.4	28.6	1.8	6.2	19.3	26.5	40.0	20.7	13.5
4.	330.00	BB	39.2	40.5	15.4	28.0	3.7	6.2	36.5	37.8	46.0	9.5	8.2
5.	360.00	BB	46.8	43.3	16.1	28.3	3.8	6.2	44.6	41.1	46.0	1.4	4.9
6.	400.00	BB	36.4	35.3	17.0	28.6	4.1	6.2	35.1	34.0	46.0	10.9	12.0
7.	589.86	BB	30.0	32.8	19.6	29.4	5.0	6.3	31.5	34.3	46.0	14.5	11.7
8.	600.00	BB	35.3	34.4	19.8	29.5	5.1	6.3	37.0	36.1	46.0	9.0	9.9
9.	786.48	BB	31.2	29.0	21.6	29.3	5.8	6.3	35.6	33.4	46.0	10.4	12.6
10.	840.00	BB	34.7	34.0	21.8	29.1	6.0	6.3	39.7	39.0	46.0	6.3	7.0

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11b (11Mbps)/Antenna model: ERA-E1  
Date : 8/8/2004  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 59 %  
Regulation : FCC Part15C § 15.209

Engineer : Akira Sato

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	58.07	BB	31.6	43.0	8.1	28.7	1.4	6.1	18.5	29.9	40.0	21.5	10.1
2.	77.45	BB	31.2	42.1	6.7	28.6	1.7	6.2	17.2	28.1	40.0	22.8	11.9
3.	80.11	BB	32.3	41.5	6.6	28.7	1.7	6.2	18.1	27.3	40.0	21.9	12.7
4.	330.01	BB	39.1	41.2	15.4	28.0	3.7	6.2	36.4	38.5	46.0	9.6	7.5
5.	360.00	BB	46.4	43.4	16.1	28.3	3.8	6.2	44.2	41.2	46.0	1.8	4.8
6.	400.00	BB	36.8	34.9	17.0	28.6	4.1	6.2	35.5	33.6	46.0	10.5	12.4
7.	589.87	BB	30.4	32.9	19.6	29.4	5.0	6.3	31.9	34.4	46.0	14.1	11.6
8.	600.00	BB	34.3	34.9	19.8	29.5	5.1	6.3	36.0	36.6	46.0	10.0	9.4
9.	786.49	BB	30.8	28.3	21.6	29.3	5.8	6.3	35.2	32.7	46.0	10.8	13.3
10.	839.99	BB	34.1	34.1	21.8	29.1	6.0	6.3	39.1	39.1	46.0	6.9	6.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting(CH1:2412MHz)  
Remarks : IEEE802.11g(54Mbps)/Antenna model:ERA-E1  
Date : 8/8/2004  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 59 %  
Regulation : FCC Part15C § 15.209

Engineer : Akira Sato

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	59.40	BB	35.7	47.4	7.8	28.7	1.5	6.1	22.4	34.1	40.0	17.6	5.9
2.	75.28	BB	36.3	48.3	6.7	28.6	1.7	6.1	22.2	34.2	40.0	17.8	5.8
3.	81.03	BB	34.3	45.1	6.7	28.7	1.7	6.2	20.2	31.0	40.0	19.8	9.0
4.	330.00	BB	38.3	40.4	15.4	28.0	3.7	6.2	35.6	37.7	46.0	10.4	8.3
5.	360.00	BB	46.6	43.4	16.1	28.3	3.8	6.2	44.4	41.2	46.0	1.6	4.8
6.	400.00	BB	36.2	34.9	17.0	28.6	4.1	6.2	34.9	33.6	46.0	11.1	12.4
7.	589.87	BB	30.1	33.3	19.6	29.4	5.0	6.3	31.6	34.8	46.0	14.4	11.2
8.	600.00	BB	34.7	36.0	19.8	29.5	5.1	6.3	36.4	37.7	46.0	9.6	8.3
9.	786.48	BB	31.0	29.0	21.6	29.3	5.8	6.3	35.4	33.4	46.0	10.6	12.6
10.	840.00	BB	33.7	35.0	21.8	29.1	6.0	6.3	38.7	40.0	46.0	7.3	6.0

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting(CH6:2437MHz)  
Remarks : IEEE802.11g(54Mbps)/Antenna model:ERA-E1  
Date : 8/8/2004  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 59 %  
Regulation : FCC Part15C §15.209

Engineer : Akira Sato

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	60.57	BB	33.4	45.7	7.6	28.7	1.5	6.1	19.9	32.2	40.0	20.1	7.8
2.	79.64	BB	37.9	45.7	6.6	28.7	1.7	6.2	23.7	31.5	40.0	16.3	8.5
3.	82.26	BB	40.2	44.9	7.0	28.7	1.7	6.2	26.4	31.1	40.0	13.6	8.9
4.	330.00	BB	37.6	40.5	15.4	28.0	3.7	6.2	34.9	37.8	46.0	11.1	8.2
5.	360.00	BB	46.7	43.3	16.1	28.3	3.8	6.2	44.5	41.1	46.0	1.5	4.9
6.	400.00	BB	36.0	34.6	17.0	28.6	4.1	6.2	34.7	33.3	46.0	11.3	12.7
7.	589.87	BB	30.4	33.5	19.6	29.4	5.0	6.3	31.9	35.0	46.0	14.1	11.0
8.	600.00	BB	35.3	35.9	19.8	29.5	5.1	6.3	37.0	37.6	46.0	9.0	8.4
9.	786.48	BB	31.3	29.1	21.6	29.3	5.8	6.3	35.7	33.5	46.0	10.3	12.5
10.	840.00	BB	35.0	35.0	21.8	29.1	6.0	6.3	40.0	40.0	46.0	6.0	6.0

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11g (54Mbps)/Antenna model: ERA-E1  
Date : 8/8/2004  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 59 %  
Regulation : FCC Part15C §15.209

Engineer : Akira Sato

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB $\mu$ V/m]	MARGIN	
			HOR [dB $\mu$ V]	VER [dB $\mu$ V]					HOR [dB $\mu$ V/m]	VER [dB $\mu$ V/m]		HOR [dB]	VER [dB]
1.	59.95	BB	33.1	44.9	7.6	28.7	1.5	6.1	19.6	31.4	40.0	20.4	8.6
2.	75.49	BB	33.2	45.4	6.7	28.6	1.7	6.1	19.1	31.3	40.0	20.9	8.7
3.	82.04	BB	40.5	44.8	6.9	28.7	1.7	6.2	26.6	30.9	40.0	13.4	9.1
4.	330.00	BB	38.0	39.7	15.4	28.0	3.7	6.2	35.3	37.0	46.0	10.7	9.0
5.	360.01	BB	47.0	43.2	16.1	28.3	3.8	6.2	44.8	41.0	46.0	1.2	5.0
6.	400.00	BB	35.9	34.7	17.0	28.6	4.1	6.2	34.6	33.4	46.0	11.4	12.6
7.	589.87	BB	31.2	34.7	19.6	29.4	5.0	6.3	32.7	36.2	46.0	13.3	9.8
8.	600.00	BB	33.8	37.2	19.8	29.5	5.1	6.3	35.5	38.9	46.0	10.5	7.1
9.	786.48	BB	31.5	28.6	21.6	29.3	5.8	6.3	35.9	33.0	46.0	10.1	13.0
10.	840.00	BB	36.3	34.7	21.8	29.1	6.0	6.3	41.3	39.7	46.0	4.7	6.3

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz

■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-01 (ES140)



# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802. 11b (11Mbps) /Antenna model:NA-E1  
Date : 7/28/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 62 %  
Regulation : FCC Part15C § 15. 209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	47.5	49.2	24.2	38.9	3.3	10.1	46.2	47.9	74.0	27.8	26.1
2.	1912.67	BB	69.4	67.5	27.1	37.5	4.0	10.1	73.1	71.2	74.0	0.9	2.8
3.	2390.00	BB	45.9	46.1	28.6	37.5	4.3	10.1	51.4	51.6	74.0	22.6	22.4
4.	2688.12	BB	47.1	45.5	29.1	37.6	4.5	10.2	53.3	51.7	74.0	20.7	22.3
5.	3824.37	BB	56.8	54.9	31.0	37.2	5.2	0.7	56.5	54.6	74.0	17.5	19.4
6.	4824.00	BB	47.5	46.6	32.8	37.0	5.5	0.6	49.4	48.5	74.0	24.6	25.5
7.	7236.00	BB	41.8	42.0	36.8	37.0	6.5	0.3	48.4	48.6	74.0	25.6	25.4
8.	9648.00	BB	44.4	43.5	39.3	37.1	6.9	1.0	54.5	53.6	74.0	19.5	20.4
9.	12060.00	BB	41.0	40.9	41.7	36.1	7.9	0.4	54.9	54.8	74.0	19.1	19.2
10.	14472.00	BB	40.6	40.7	41.0	35.0	8.3	0.6	55.5	55.6	74.0	18.5	18.4
11.	16884.00	BB	40.6	40.3	40.8	34.7	9.1	0.9	56.7	56.4	74.0	17.3	17.6
12.	19296.00	BB	43.7	44.0	40.3	34.4	9.6	0.0	59.2	59.5	74.0	14.8	14.5
13.	21708.00	BB	41.9	42.5	39.1	34.5	10.1	0.0	56.6	57.2	74.0	17.4	16.8
14.	24120.00	BB	44.0	44.0	39.9	34.1	10.5	0.0	60.3	60.3	74.0	13.7	13.7

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting (CH1:2412MHz)  
 Remarks : IEEE802.11b (11Mbps) /Antenna model:NA-E1  
 Date : 7/28/2004  
 Test Distance : 3 m  
 Temperature : 25 °C Engineer : Toyokazu Imamura  
 Humidity : 62 %  
 Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	39.4	40.6	24.2	38.9	3.3	10.1	38.1	39.3	54.0	15.9	14.7
2.	1912.67	BB	33.5	33.3	27.1	37.5	4.0	10.1	37.2	37.0	54.0	16.8	17.0
3.	2390.00	BB	35.1	34.8	28.6	37.5	4.3	10.1	40.6	40.3	54.0	13.4	13.7
4.	2688.12	BB	39.8	35.2	29.1	37.6	4.5	10.2	46.0	41.4	54.0	8.0	12.6
5.	3824.37	BB	32.6	32.6	31.0	37.2	5.2	0.7	32.3	32.3	54.0	21.7	21.7
6.	4824.00	BB	34.0	33.6	32.8	37.0	5.5	0.6	35.9	35.5	54.0	18.1	18.5
7.	7236.00	BB	32.0	32.1	36.8	37.0	6.5	0.3	38.6	38.7	54.0	15.4	15.3
8.	9648.00	BB	34.7	35.2	39.3	37.1	6.9	1.0	44.8	45.3	54.0	9.2	8.7
9.	12060.00	BB	31.7	31.8	41.7	36.1	7.9	0.4	45.6	45.7	54.0	8.4	8.3
10.	14472.00	BB	31.2	31.2	41.0	35.0	8.3	0.6	46.1	46.1	54.0	7.9	7.9
11.	16884.00	BB	32.2	32.1	40.8	34.7	9.1	0.9	48.3	48.2	54.0	5.7	5.8
12.	19296.00	BB	32.5	32.5	40.3	34.4	9.6	0.0	48.0	48.0	54.0	6.0	6.0
13.	21708.00	BB	32.9	32.8	39.1	34.5	10.1	0.0	47.6	47.5	54.0	6.4	6.5
14.	24120.00	BB	35.0	34.8	39.9	34.1	10.5	0.0	51.3	51.1	54.0	2.7	2.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz

■CABLE:KCC-D3/D7 ■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting (CH6:2437MHz)  
 Remarks : IEEE802.11b (11Mbps) /Antenna model:NA-E1  
 Date : 7/28/2004  
 Test Distance : 3 m  
 Temperature : 25 °C Engineer : Toyokazu Imamura  
 Humidity : 62 %  
 Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1023.60	BB	48.7	48.0	24.2	38.9	3.3	10.1	47.4	46.7	74.0	26.6	27.3
2.	1911.45	BB	68.3	67.4	27.1	37.5	4.0	10.1	72.0	71.1	74.0	2.0	2.9
3.	2688.11	BB	47.0	46.1	29.1	37.6	4.5	10.2	53.2	52.3	74.0	20.8	21.7
4.	3829.25	BB	58.4	56.7	31.0	37.2	5.2	0.7	58.1	56.4	74.0	15.9	17.6
5.	4874.00	BB	47.5	46.2	33.0	37.0	5.5	0.6	49.6	48.3	74.0	24.4	25.7
6.	7311.00	BB	40.6	40.5	37.0	37.0	6.6	0.3	47.5	47.4	74.0	26.5	26.6
7.	9748.00	BB	44.2	43.3	39.4	37.1	6.9	1.0	54.4	53.5	74.0	19.6	20.5
8.	12185.00	BB	41.4	41.5	41.5	35.9	7.9	0.4	55.3	55.4	74.0	18.7	18.6
9.	14622.00	BB	41.7	41.8	41.2	35.1	8.4	0.6	56.8	56.9	74.0	17.2	17.1
10.	17059.00	BB	40.3	40.0	41.0	34.5	9.1	0.9	56.8	56.5	74.0	17.2	17.5
11.	19496.00	BB	41.2	42.6	39.9	34.5	9.9	10.0	66.5	67.9	74.0	7.5	6.1
12.	21933.00	BB	42.6	42.5	39.2	34.3	10.2	10.4	68.1	68.0	74.0	5.9	6.0
13.	24370.00	BB	43.3	43.9	40.2	34.1	10.6	10.4	70.4	71.0	74.0	3.6	3.0

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz

■CABLE:KCC-D3/D7 ■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting (CH6:2437MHz)  
 Remarks : IEEE802.11b (11Mbps) /Antenna model:NA-E1  
 Date : 7/28/2004  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 62 %  
 Regulation : FCC Part15C § 15.209 (AV Detection)

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1023.60	BB	39.8	38.4	24.2	38.9	3.3	10.1	38.5	37.1	54.0	15.5	16.9
2.	1911.45	BB	33.3	33.2	27.1	37.5	4.0	10.1	37.0	36.9	54.0	17.0	17.1
3.	2688.11	BB	36.9	37.2	29.1	37.6	4.5	10.2	43.1	43.4	54.0	10.9	10.6
4.	3829.25	BB	32.4	32.4	31.0	37.2	5.2	0.7	32.1	32.1	54.0	21.9	21.9
5.	4874.00	BB	33.7	33.0	33.0	37.0	5.5	0.6	35.8	35.1	54.0	18.2	18.9
6.	7311.00	BB	31.5	31.3	37.0	37.0	6.6	0.3	38.4	38.2	54.0	15.6	15.8
7.	9748.00	BB	35.1	34.8	39.4	37.1	6.9	1.0	45.3	45.0	54.0	8.7	9.0
8.	12185.00	BB	31.4	31.5	41.5	35.9	7.9	0.4	45.3	45.4	54.0	8.7	8.6
9.	14622.00	BB	31.3	31.1	41.2	35.1	8.4	0.6	46.4	46.2	54.0	7.6	7.8
10.	17059.00	BB	31.6	31.3	41.0	34.5	9.1	0.9	48.1	47.8	54.0	5.9	6.2
11.	19496.00	BB	32.0	31.9	39.9	34.5	9.9	0.0	47.3	47.2	54.0	6.7	6.8
12.	21933.00	BB	33.1	33.4	39.2	34.3	10.2	0.0	48.2	48.5	54.0	5.8	5.5
13.	24370.00	BB	33.2	33.2	40.2	34.1	10.6	0.0	49.9	49.9	54.0	4.1	4.1

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz

■CABLE:KCC-D3/D7 ■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:NA-E1  
Date : 7/28/2004  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 62 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	49.3	48.6	24.2	38.9	3.3	10.1	48.0	47.3	74.0	26.0	26.7
2.	1926.83	BB	68.1	68.0	27.1	37.5	4.0	10.1	71.8	71.7	74.0	2.2	2.3
3.	2483.50	BB	49.0	45.0	28.9	37.6	4.4	10.1	54.8	50.8	74.0	19.2	23.2
4.	2688.08	BB	48.1	45.6	29.1	37.6	4.5	10.2	54.3	51.8	74.0	19.7	22.2
5.	3843.91	BB	58.2	57.2	31.1	37.2	5.2	0.7	58.0	57.0	74.0	16.0	17.0
6.	4924.00	BB	46.5	50.6	33.1	37.0	5.5	0.7	48.8	52.9	74.0	25.2	21.1
7.	7386.00	BB	42.2	42.7	37.1	37.1	6.6	0.4	49.2	49.7	74.0	24.8	24.3
8.	9848.00	BB	43.9	44.2	39.5	37.1	7.0	1.1	54.4	54.7	74.0	19.6	19.3
9.	12310.00	BB	41.2	40.6	41.2	35.7	7.8	0.5	55.0	54.4	74.0	19.0	19.6
10.	14772.00	BB	41.1	42.2	41.3	35.2	8.5	0.6	56.3	57.4	74.0	17.7	16.6
11.	17234.00	BB	40.8	41.6	41.5	34.6	9.1	0.6	57.4	58.2	74.0	16.6	15.8
12.	19696.00	BB	40.4	40.5	39.9	34.7	9.9	0.0	55.5	55.6	74.0	18.5	18.4
13.	22158.00	BB	43.4	43.3	39.6	34.2	10.2	0.0	59.0	58.9	74.0	15.0	15.1
14.	24620.00	BB	44.8	44.8	40.3	34.0	10.8	0.0	61.9	61.9	74.0	12.1	12.1

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■CABLE:KCC-D3/D7 ■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11b (11Mbps)/Antenna model:NA-E1  
Date : 7/28/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 62 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	41.3	40.4	24.2	38.9	3.3	10.1	40.0	39.1	54.0	14.0	14.9
2.	1926.83	BB	33.5	33.5	27.1	37.5	4.0	10.1	37.2	37.2	54.0	16.8	16.8
3.	2483.50	BB	36.9	35.5	28.9	37.6	4.4	10.1	42.7	41.3	54.0	11.3	12.7
4.	2688.08	BB	42.7	39.7	29.1	37.6	4.5	10.2	48.9	45.9	54.0	5.1	8.1
5.	3843.91	BB	32.3	32.3	31.1	37.2	5.2	0.7	32.1	32.1	54.0	21.9	21.9
6.	4924.00	BB	32.4	33.9	33.1	37.0	5.5	0.7	34.7	36.2	54.0	19.3	17.8
7.	7386.00	BB	31.9	31.9	37.1	37.1	6.6	0.4	38.9	38.9	54.0	15.1	15.1
8.	9848.00	BB	35.1	35.6	39.5	37.1	7.0	1.1	45.6	46.1	54.0	8.4	7.9
9.	12310.00	BB	31.0	31.1	41.2	35.7	7.8	0.5	44.8	44.9	54.0	9.2	9.1
10.	14772.00	BB	31.1	31.7	41.3	35.2	8.5	0.6	46.3	46.9	54.0	7.7	7.1
11.	17234.00	BB	31.9	32.0	41.5	34.6	9.1	0.6	48.5	48.6	54.0	5.5	5.4
12.	19696.00	BB	31.8	31.8	39.9	34.7	9.9	0.0	46.9	46.9	54.0	7.1	7.1
13.	22158.00	BB	34.1	34.1	39.6	34.2	10.2	0.0	49.7	49.7	54.0	4.3	4.3
14.	24620.00	BB	34.8	34.9	40.3	34.0	10.8	0.0	51.9	52.0	54.0	2.1	2.0

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting (CH1:2412MHz)  
 Remarks : IEEE802.11g (54Mbps) / Antenna model:NA-E1  
 Date : 7/29/2004  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 61 %  
 Regulation : FCC Part15C § 15.209 (PK Detection)

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	48.2	49.9	24.2	38.9	3.3	10.1	46.9	48.6	74.0	27.1	25.4
2.	1922.10	BB	70.2	68.4	27.1	37.5	4.0	10.1	73.9	72.1	74.0	0.1	1.9
3.	2390.00	BB	56.9	53.4	28.6	37.5	4.3	10.1	62.4	58.9	74.0	11.6	15.1
4.	2688.04	BB	47.9	47.1	29.1	37.6	4.5	10.2	54.1	53.3	74.0	19.9	20.7
5.	3844.35	BB	59.3	58.0	31.1	37.2	5.2	0.7	59.1	57.8	74.0	14.9	16.2
6.	4824.00	BB	42.8	47.4	32.8	37.0	5.5	0.6	44.7	49.3	74.0	29.3	24.7
7.	7236.00	BB	41.7	41.0	36.8	37.0	6.5	0.3	48.3	47.6	74.0	25.7	26.4
8.	9648.00	BB	40.6	38.4	39.3	37.1	6.9	1.0	50.7	48.5	74.0	23.3	25.5
9.	12060.00	BB	39.8	38.2	41.7	36.1	7.9	0.4	53.7	52.1	74.0	20.3	21.9
10.	14472.00	BB	39.3	38.5	41.0	35.0	8.3	0.6	54.2	53.4	74.0	19.8	20.6
11.	16884.00	BB	42.0	41.3	40.8	34.7	9.1	0.9	58.1	57.4	74.0	15.9	16.6
12.	19296.00	BB	42.9	42.3	40.3	34.4	9.6	0.0	58.4	57.8	74.0	15.6	16.2
13.	21708.00	BB	42.1	43.5	39.1	34.5	10.1	0.0	56.8	58.2	74.0	17.2	15.8
14.	24120.00	BB	45.2	45.3	39.9	34.1	10.5	0.0	61.5	61.6	74.0	12.5	12.4

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz

■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	40.3	42.4	24.2	38.9	3.3	10.1	39.0	41.1	54.0	15.0	12.9
2.	1922.10	BB	33.7	33.7	27.1	37.5	4.0	10.1	37.4	37.4	54.0	16.6	16.6
3.	2390.00	BB	38.4	35.6	28.6	37.5	4.3	10.1	43.9	41.1	54.0	10.1	12.9
4.	2688.04	BB	42.3	38.3	29.1	37.6	4.5	10.2	48.5	44.5	54.0	5.5	9.5
5.	3844.35	BB	32.7	32.7	31.1	37.2	5.2	0.7	32.5	32.5	54.0	21.5	21.5
6.	4824.00	BB	33.1	36.2	32.8	37.0	5.5	0.6	35.0	38.1	54.0	19.0	15.9
7.	7236.00	BB	31.0	30.9	36.8	37.0	6.5	0.3	37.6	37.5	54.0	16.4	16.5
8.	9648.00	BB	31.8	32.1	39.3	37.1	6.9	1.0	41.9	42.2	54.0	12.1	11.8
9.	12060.00	BB	30.9	30.8	41.7	36.1	7.9	0.4	44.8	44.7	54.0	9.2	9.3
10.	14472.00	BB	30.7	30.8	41.0	35.0	8.3	0.6	45.6	45.7	54.0	8.4	8.3
11.	16884.00	BB	31.1	30.2	40.8	34.7	9.1	0.9	47.2	46.3	54.0	6.8	7.7
12.	19296.00	BB	32.7	32.7	40.3	34.4	9.6	0.0	48.2	48.2	54.0	5.8	5.8
13.	21708.00	BB	33.0	33.1	39.1	34.5	10.1	0.0	47.7	47.8	54.0	6.3	6.2
14.	24120.00	BB	34.4	34.1	39.9	34.1	10.5	0.0	50.7	50.4	54.0	3.3	3.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE:KCC-D3/D7 ■ PREAMP:KAF-02 (8449B) ■ SPECTRUM ANALYZER:KSA-04 (R3271A)



# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1023.07	BB	48.2	48.4	24.2	38.9	3.3	10.1	46.9	47.1	74.0	27.1	26.9
2.	1920.99	BB	67.0	66.9	27.1	37.5	4.0	10.1	70.7	70.6	74.0	3.3	3.4
3.	2688.02	BB	48.2	46.4	29.1	37.6	4.5	10.2	54.4	52.6	74.0	19.6	21.4
4.	3841.26	BB	57.3	56.7	31.1	37.2	5.2	0.7	57.1	56.5	74.0	16.9	17.5
5.	4874.00	BB	44.5	46.3	33.0	37.0	5.5	0.6	46.6	48.4	74.0	27.4	25.6
6.	7311.00	BB	40.8	40.9	37.0	37.0	6.6	0.3	47.7	47.8	74.0	26.3	26.2
7.	9748.00	BB	41.3	41.0	39.4	37.1	6.9	1.0	51.5	51.2	74.0	22.5	22.8
8.	12185.00	BB	41.0	40.8	41.5	35.9	7.9	0.4	54.9	54.7	74.0	19.1	19.3
9.	14622.00	BB	40.7	40.1	41.2	35.1	8.4	0.6	55.8	55.2	74.0	18.2	18.8
10.	17059.00	BB	40.7	40.5	41.0	34.5	9.1	0.9	57.2	57.0	74.0	16.8	17.0
11.	19496.00	BB	41.4	41.3	39.9	34.5	9.9	0.0	56.7	56.6	74.0	17.3	17.4
12.	21933.00	BB	44.3	43.5	39.2	34.3	10.2	0.0	59.4	58.6	74.0	14.6	15.4
13.	24370.00	BB	44.6	44.6	40.2	34.1	10.6	0.0	61.3	61.3	74.0	12.7	12.7

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■CABLE:KCC-D3/D7 ■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1023.07	BB	40.3	42.0	24.2	38.9	3.3	10.1	39.0	40.7	54.0	15.0	13.3
2.	1920.99	BB	33.7	33.7	27.1	37.5	4.0	10.1	37.4	37.4	54.0	16.6	16.6
3.	2688.02	BB	43.0	38.8	29.1	37.6	4.5	10.2	49.2	45.0	54.0	4.8	9.0
4.	3841.26	BB	32.5	32.5	31.1	37.2	5.2	0.7	32.3	32.3	54.0	21.7	21.7
5.	4874.00	BB	33.4	34.8	33.0	37.0	5.5	0.6	35.5	36.9	54.0	18.5	17.1
6.	7311.00	BB	31.3	32.0	37.0	37.0	6.6	0.3	38.2	38.9	54.0	15.8	15.1
7.	9748.00	BB	31.9	31.2	39.4	37.1	6.9	1.0	42.1	41.4	54.0	11.9	12.6
8.	12185.00	BB	31.0	30.5	41.5	35.9	7.9	0.4	44.9	44.4	54.0	9.1	9.6
9.	14622.00	BB	30.7	31.0	41.2	35.1	8.4	0.6	45.8	46.1	54.0	8.2	7.9
10.	17059.00	BB	29.9	30.5	41.0	34.5	9.1	0.9	46.4	47.0	54.0	7.6	7.0
11.	19496.00	BB	32.3	32.3	39.9	34.5	9.9	0.0	47.6	47.6	54.0	6.4	6.4
12.	21933.00	BB	33.3	33.3	39.2	34.3	10.2	0.0	48.4	48.4	54.0	5.6	5.6
13.	24370.00	BB	33.5	33.7	40.2	34.1	10.6	0.0	50.2	50.4	54.0	3.8	3.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■CABLE:KCC-D3/D7 ■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting (CH11:2462MHz)  
 Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
 Date : 7/29/2004  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 61 %  
 Regulation : FCC Part15C § 15.209 (PK Detection)

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	48.5	49.9	24.2	38.9	3.3	10.1	47.2	48.6	74.0	26.8	25.4
2.	1922.39	BB	65.9	68.5	27.1	37.5	4.0	10.1	69.6	72.2	74.0	4.4	1.8
3.	2483.50	BB	55.5	48.9	28.9	37.6	4.4	10.1	61.3	54.7	74.0	12.7	19.3
4.	2688.05	BB	48.3	46.7	29.1	37.6	4.5	10.2	54.5	52.9	74.0	19.5	21.1
5.	3844.63	BB	58.0	57.2	31.1	37.2	5.2	0.7	57.8	57.0	74.0	16.2	17.0
6.	4924.00	BB	43.0	45.2	33.1	37.0	5.5	0.7	45.3	47.5	74.0	28.7	26.5
7.	7386.00	BB	40.4	40.4	37.1	37.1	6.6	0.4	47.4	47.4	74.0	26.6	26.6
8.	9848.00	BB	41.1	41.4	39.5	37.1	7.0	1.1	51.6	51.9	74.0	22.4	22.1
9.	12310.00	BB	41.4	41.9	41.2	35.7	7.8	0.5	55.2	55.7	74.0	18.8	18.3
10.	14772.00	BB	40.7	40.7	41.3	35.2	8.5	0.6	55.9	55.9	74.0	18.1	18.1
11.	17234.00	BB	40.9	41.5	41.5	34.6	9.1	0.6	57.5	58.1	74.0	16.5	15.9
12.	19696.00	BB	41.4	42.8	39.9	34.7	9.9	0.0	56.5	57.9	74.0	17.5	16.1
13.	22158.00	BB	44.5	43.0	39.6	34.2	10.2	0.0	60.1	58.6	74.0	13.9	15.4
14.	24620.00	BB	44.5	44.2	40.3	34.0	10.8	0.0	61.6	61.3	74.0	12.4	12.7

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz

■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:NA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	40.9	41.7	24.2	38.9	3.3	10.1	39.6	40.4	54.0	14.4	13.6
2.	1922.39	BB	33.8	33.6	27.1	37.5	4.0	10.1	37.5	37.3	54.0	16.5	16.7
3.	2483.50	BB	39.1	36.3	28.9	37.6	4.4	10.1	44.9	42.1	54.0	9.1	11.9
4.	2688.05	BB	43.4	39.3	29.1	37.6	4.5	10.2	49.6	45.5	54.0	4.4	8.5
5.	3844.63	BB	32.8	32.4	31.1	37.2	5.2	0.7	32.6	32.2	54.0	21.4	21.8
6.	4924.00	BB	33.5	33.7	33.1	37.0	5.5	0.7	35.8	36.0	54.0	18.2	18.0
7.	7386.00	BB	31.6	32.5	37.1	37.1	6.6	0.4	38.6	39.5	54.0	15.4	14.5
8.	9848.00	BB	32.3	30.5	39.5	37.1	7.0	1.1	42.8	41.0	54.0	11.2	13.0
9.	12310.00	BB	31.1	29.5	41.2	35.7	7.8	0.5	44.9	43.3	54.0	9.1	10.7
10.	14772.00	BB	31.8	31.2	41.3	35.2	8.5	0.6	47.0	46.4	54.0	7.0	7.6
11.	17234.00	BB	32.0	30.3	41.5	34.6	9.1	0.6	48.6	46.9	54.0	5.4	7.1
12.	19696.00	BB	32.1	31.9	39.9	34.7	9.9	0.0	47.2	47.0	54.0	6.8	7.0
13.	22158.00	BB	34.2	33.9	39.6	34.2	10.2	0.0	49.8	49.5	54.0	4.2	4.5
14.	24620.00	BB	35.2	35.1	40.3	34.0	10.8	0.0	52.3	52.2	54.0	1.7	1.8

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■CABLE:KCC-D3/D7 ■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting (CH1:2412MHz)  
 Remarks : IEEE802.11b (11Mbps) /Antenna model:ERA-E1  
 Date : 7/30/2004  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 61 %  
 Regulation : FCC Part15C § 15.209 (PK Detection)

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1023.07	BB	48.8	48.8	24.2	38.9	3.3	10.1	47.5	47.5	74.0	26.5	26.5
2.	2390.00	BB	43.6	44.5	28.6	37.5	4.3	10.1	49.1	50.0	74.0	24.9	24.0
3.	2688.07	BB	40.8	44.5	29.1	37.6	4.5	10.2	47.0	50.7	74.0	27.0	23.3
4.	4824.00	BB	42.3	45.7	32.8	37.0	5.5	0.6	44.2	47.6	74.0	29.8	26.4
5.	7236.00	BB	40.0	41.0	36.8	37.0	6.5	0.3	46.6	47.6	74.0	27.4	26.4
6.	9648.00	BB	41.1	41.6	39.3	37.1	6.9	1.0	51.2	51.7	74.0	22.8	22.3
7.	12060.00	BB	41.2	41.0	41.7	36.1	7.9	0.4	55.1	54.9	74.0	18.9	19.1
8.	14472.00	BB	40.6	40.0	41.0	35.0	8.3	0.6	55.5	54.9	74.0	18.5	19.1
9.	16884.00	BB	40.5	40.4	40.8	34.7	9.1	0.9	56.6	56.5	74.0	17.4	17.5
10.	19296.00	BB	42.5	42.3	40.3	34.4	9.6	0.0	58.0	57.8	74.0	16.0	16.2
11.	21708.00	BB	42.5	42.5	39.1	34.5	10.1	0.0	57.2	57.2	74.0	16.8	16.8
12.	24120.00	BB	43.6	44.3	39.9	34.1	10.5	0.0	59.9	60.6	74.0	14.1	13.4

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz

■CABLE:KCC-D3/D7■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:ERA-E1  
Date : 7/30/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1023.07	BB	40.9	41.5	24.2	38.9	3.3	10.1	39.6	40.2	54.0	14.4	13.8
2.	2390.00	BB	33.5	34.6	28.6	37.5	4.3	10.1	39.0	40.1	54.0	15.0	13.9
3.	2688.07	BB	33.6	37.1	29.1	37.6	4.5	10.2	39.8	43.3	54.0	14.2	10.7
4.	4824.00	BB	31.8	32.7	32.8	37.0	5.5	0.6	33.7	34.6	54.0	20.3	19.4
5.	7236.00	BB	31.0	30.6	36.8	37.0	6.5	0.3	37.6	37.2	54.0	16.4	16.8
6.	9648.00	BB	31.8	31.6	39.3	37.1	6.9	1.0	41.9	41.7	54.0	12.1	12.3
7.	12060.00	BB	31.1	31.0	41.7	36.1	7.9	0.4	45.0	44.9	54.0	9.0	9.1
8.	14472.00	BB	31.2	31.0	41.0	35.0	8.3	0.6	46.1	45.9	54.0	7.9	8.1
9.	16884.00	BB	30.9	30.9	40.8	34.7	9.1	0.9	47.0	47.0	54.0	7.0	7.0
10.	19296.00	BB	32.7	32.6	40.3	34.4	9.6	0.0	48.2	48.1	54.0	5.8	5.9
11.	21708.00	BB	33.2	32.8	39.1	34.5	10.1	0.0	47.9	47.5	54.0	6.1	6.5
12.	24120.00	BB	34.2	34.1	39.9	34.1	10.5	0.0	50.5	50.4	54.0	3.5	3.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■CABLE:KCC-D3/D7 ■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:ERA-E1  
Date : 7/30/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	47.6	48.6	24.2	38.9	3.3	10.1	46.3	47.3	74.0	27.7	26.7
2.	2688.07	BB	41.9	43.7	29.1	37.6	4.5	10.2	48.1	49.9	74.0	25.9	24.1
3.	4874.00	BB	43.6	48.7	33.0	37.0	5.5	0.6	45.7	50.8	74.0	28.3	23.2
4.	7311.00	BB	40.7	40.4	37.0	37.0	6.6	0.3	47.6	47.3	74.0	26.4	26.7
5.	9748.00	BB	40.8	40.1	39.4	37.1	6.9	1.0	51.0	50.3	74.0	23.0	23.7
6.	12185.00	BB	40.7	40.6	41.5	35.9	7.9	0.4	54.6	54.5	74.0	19.4	19.5
7.	14622.00	BB	40.1	40.2	41.2	35.1	8.4	0.6	55.2	55.3	74.0	18.8	18.7
8.	17059.00	BB	42.5	42.3	41.0	34.5	9.1	0.9	59.0	58.8	74.0	15.0	15.2
9.	19496.00	BB	42.6	42.1	39.9	34.5	9.9	0.0	57.9	57.4	74.0	16.1	16.6
10.	21933.00	BB	43.8	42.1	39.2	34.3	10.2	0.0	58.9	57.2	74.0	15.1	16.8
11.	24370.00	BB	43.5	44.1	40.2	34.1	10.6	0.0	60.2	60.8	74.0	13.8	13.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:ERA-E1  
Date : 7/30/2004  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	40.5	40.8	24.2	38.9	3.3	10.1	39.2	39.5	54.0	14.8	14.5
2.	2688.07	BB	32.1	33.8	29.1	37.6	4.5	10.2	38.3	40.0	54.0	15.7	14.0
3.	4874.00	BB	31.8	33.1	33.0	37.0	5.5	0.6	33.9	35.2	54.0	20.1	18.8
4.	7311.00	BB	32.0	31.0	37.0	37.0	6.6	0.3	38.9	37.9	54.0	15.1	16.1
5.	9748.00	BB	30.3	30.5	39.4	37.1	6.9	1.0	40.5	40.7	54.0	13.5	13.3
6.	12185.00	BB	30.6	30.6	41.5	35.9	7.9	0.4	44.5	44.5	54.0	9.5	9.5
7.	14622.00	BB	31.0	31.0	41.2	35.1	8.4	0.6	46.1	46.1	54.0	7.9	7.9
8.	17059.00	BB	31.1	31.2	41.0	34.5	9.1	0.9	47.6	47.7	54.0	6.4	6.3
9.	19496.00	BB	32.1	32.3	39.9	34.5	9.9	0.0	47.4	47.6	54.0	6.6	6.4
10.	21933.00	BB	33.4	33.4	39.2	34.3	10.2	0.0	48.5	48.5	54.0	5.5	5.5
11.	24370.00	BB	33.7	33.7	40.2	34.1	10.6	0.0	50.4	50.4	54.0	3.6	3.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)



# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11b (11Mbps) /Antenna model:ERA-E1  
Date : 7/30/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	47.6	50.4	24.2	38.9	3.3	10.1	46.3	49.1	74.0	27.7	24.9
2.	2483.50	BB	43.9	44.5	28.9	37.6	4.4	10.1	49.7	50.3	74.0	24.3	23.7
3.	2688.07	BB	42.5	46.2	29.1	37.6	4.5	10.2	48.7	52.4	74.0	25.3	21.6
4.	4924.00	BB	42.8	46.5	33.1	37.0	5.5	0.7	45.1	48.8	74.0	28.9	25.2
5.	7386.00	BB	40.9	40.4	37.1	37.1	6.6	0.4	47.9	47.4	74.0	26.1	26.6
6.	9848.00	BB	41.5	41.5	39.5	37.1	7.0	1.1	52.0	52.0	74.0	22.0	22.0
7.	12310.00	BB	40.6	40.3	41.2	35.7	7.8	0.5	54.4	54.1	74.0	19.6	19.9
8.	14772.00	BB	41.5	41.7	41.3	35.2	8.5	0.6	56.7	56.9	74.0	17.3	17.1
9.	17234.00	BB	40.3	42.2	41.5	34.6	9.1	0.6	56.9	58.8	74.0	17.1	15.2
10.	19696.00	BB	42.4	42.7	39.9	34.7	9.9	0.0	57.5	57.8	74.0	16.5	16.2
11.	22158.00	BB	44.4	43.7	39.6	34.2	10.2	0.0	60.0	59.3	74.0	14.0	14.7
12.	24620.00	BB	44.3	44.6	40.3	34.0	10.8	0.0	61.4	61.7	74.0	12.6	12.3

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■CABLE:KCC-D3/D7■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

Yamakita No.1 Anechoic Chamber

Report No. : 24JE0164-YK

Applicant : Canon Inc.  
 Kind of Equipment : Wireless File Transmitter  
 Model No. : DS508152  
 Serial No. : 11001  
 Power : AC120V/60Hz  
 Mode : Transmitting (CH11:2462MHz)  
 Remarks : IEEE802. 11b (11Mbps) /Antenna model:ERA-E1  
 Date : 7/30/2004  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 61 %  
 Regulation : FCC Part15C § 15. 209 (AV Detection)

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	38.7	45.2	24.2	38.9	3.3	10.1	37.4	43.9	54.0	16.6	10.1
2.	2483.50	BB	33.6	34.6	28.9	37.6	4.4	10.1	39.4	40.4	54.0	14.6	13.6
3.	2688.07	BB	33.6	37.3	29.1	37.6	4.5	10.2	39.8	43.5	54.0	14.2	10.5
4.	4924.00	BB	32.2	34.1	33.1	37.0	5.5	0.7	34.5	36.4	54.0	19.5	17.6
5.	7386.00	BB	31.5	30.4	37.1	37.1	6.6	0.4	38.5	37.4	54.0	15.5	16.6
6.	9848.00	BB	32.1	32.2	39.5	37.1	7.0	1.1	42.6	42.7	54.0	11.4	11.3
7.	12310.00	BB	30.7	30.9	41.2	35.7	7.8	0.5	44.5	44.7	54.0	9.5	9.3
8.	14772.00	BB	31.5	31.5	41.3	35.2	8.5	0.6	46.7	46.7	54.0	7.3	7.3
9.	17234.00	BB	30.6	30.9	41.5	34.6	9.1	0.6	47.2	47.5	54.0	6.8	6.5
10.	19696.00	BB	32.0	32.0	39.9	34.7	9.9	0.0	47.1	47.1	54.0	6.9	6.9
11.	22158.00	BB	34.3	34.2	39.6	34.2	10.2	0.0	49.9	49.8	54.0	4.1	4.2
12.	24620.00	BB	35.2	35.0	40.3	34.0	10.8	0.0	52.3	52.1	54.0	1.7	1.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz

■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	48.4	51.7	24.2	38.9	3.3	10.1	47.1	50.4	74.0	26.9	23.6
2.	2390.00	BB	48.1	52.9	28.6	37.5	4.3	10.1	53.6	58.4	74.0	20.4	15.6
3.	2688.07	BB	42.7	45.9	29.1	37.6	4.5	10.2	48.9	52.1	74.0	25.1	21.9
4.	4824.00	BB	42.5	42.6	32.8	37.0	5.5	0.6	44.4	44.5	74.0	29.6	29.5
5.	7236.00	BB	40.3	40.8	36.8	37.0	6.5	0.3	46.9	47.4	74.0	27.1	26.6
6.	9648.00	BB	41.3	40.8	39.3	37.1	6.9	1.0	51.4	50.9	74.0	22.6	23.1
7.	12060.00	BB	40.5	40.2	41.7	36.1	7.9	0.4	54.4	54.1	74.0	19.6	19.9
8.	14472.00	BB	41.3	40.9	41.0	35.0	8.3	0.6	56.2	55.8	74.0	17.8	18.2
9.	16884.00	BB	41.9	43.1	40.8	34.7	9.1	0.9	58.0	59.2	74.0	16.0	14.8
10.	19296.00	BB	42.8	43.1	40.3	34.4	9.6	0.0	58.3	58.6	74.0	15.7	15.4
11.	21708.00	BB	41.8	42.8	39.1	34.5	10.1	0.0	56.5	57.5	74.0	17.5	16.5
12.	24120.00	BB	43.8	44.3	39.9	34.1	10.5	0.0	60.1	60.6	74.0	13.9	13.4

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■CABLE:KCC-D3/D7■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH1:2412MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	40.6	46.8	24.2	38.9	3.3	10.1	39.3	45.5	54.0	14.7	8.5
2.	2390.00	BB	34.0	36.1	28.6	37.5	4.3	10.1	39.5	41.6	54.0	14.5	12.4
3.	2688.07	BB	33.8	37.3	29.1	37.6	4.5	10.2	40.0	43.5	54.0	14.0	10.5
4.	4824.00	BB	32.1	32.9	32.8	37.0	5.5	0.6	34.0	34.8	54.0	20.0	19.2
5.	7236.00	BB	31.4	32.3	36.8	37.0	6.5	0.3	38.0	38.9	54.0	16.0	15.1
6.	9648.00	BB	31.8	31.5	39.3	37.1	6.9	1.0	41.9	41.6	54.0	12.1	12.4
7.	12060.00	BB	31.3	30.7	41.7	36.1	7.9	0.4	45.2	44.6	54.0	8.8	9.4
8.	14472.00	BB	31.1	31.1	41.0	35.0	8.3	0.6	46.0	46.0	54.0	8.0	8.0
9.	16884.00	BB	32.1	32.2	40.8	34.7	9.1	0.9	48.2	48.3	54.0	5.8	5.7
10.	19296.00	BB	32.7	32.4	40.3	34.4	9.6	0.0	48.2	47.9	54.0	5.8	6.1
11.	21708.00	BB	32.5	33.0	39.1	34.5	10.1	0.0	47.2	47.7	54.0	6.8	6.3
12.	24120.00	BB	34.3	34.1	39.9	34.1	10.5	0.0	50.6	50.4	54.0	3.4	3.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ANTENNA:HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■CABLE:KCC-D3/D7■PREAMP:KAF-02 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	48.0	49.5	24.2	38.9	3.3	10.1	46.7	48.2	74.0	27.3	25.8
2.	2688.07	BB	43.9	45.5	29.1	37.6	4.5	10.2	50.1	51.7	74.0	23.9	22.3
3.	4874.00	BB	41.7	43.9	33.0	37.0	5.5	0.6	43.8	46.0	74.0	30.2	28.0
4.	7311.00	BB	42.6	42.1	37.0	37.0	6.6	0.3	49.5	49.0	74.0	24.5	25.0
5.	9748.00	BB	40.0	40.6	39.4	37.1	6.9	1.0	50.2	50.8	74.0	23.8	23.2
6.	12185.00	BB	40.5	40.4	41.5	35.9	7.9	0.4	54.4	54.3	74.0	19.6	19.7
7.	14622.00	BB	41.0	40.1	41.2	35.1	8.4	0.6	56.1	55.2	74.0	17.9	18.8
8.	17059.00	BB	40.4	39.8	41.0	34.5	9.1	0.9	56.9	56.3	74.0	17.1	17.7
9.	19496.00	BB	42.7	41.3	39.9	34.5	9.9	0.0	58.0	56.6	74.0	16.0	17.4
10.	21933.00	BB	43.6	43.7	39.2	34.3	10.2	0.0	58.7	58.8	74.0	15.3	15.2
11.	24370.00	BB	43.8	42.9	40.2	34.1	10.6	0.0	60.5	59.6	74.0	13.5	14.4

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH6:2437MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	40.6	44.2	24.2	38.9	3.3	10.1	39.3	42.9	54.0	14.7	11.1
2.	2688.07	BB	33.8	37.4	29.1	37.6	4.5	10.2	40.0	43.6	54.0	14.0	10.4
3.	4874.00	BB	32.1	33.5	33.0	37.0	5.5	0.6	34.2	35.6	54.0	19.8	18.4
4.	7311.00	BB	30.9	31.2	37.0	37.0	6.6	0.3	37.8	38.1	54.0	16.2	15.9
5.	9748.00	BB	31.8	31.3	39.4	37.1	6.9	1.0	42.0	41.5	54.0	12.0	12.5
6.	12185.00	BB	31.3	30.9	41.5	35.9	7.9	0.4	45.2	44.8	54.0	8.8	9.2
7.	14622.00	BB	31.3	31.3	41.2	35.1	8.4	0.6	46.4	46.4	54.0	7.6	7.6
8.	17059.00	BB	30.7	30.4	41.0	34.5	9.1	0.9	47.2	46.9	54.0	6.8	7.1
9.	19496.00	BB	32.2	32.0	39.9	34.5	9.9	0.0	47.5	47.3	54.0	6.5	6.7
10.	21933.00	BB	33.2	33.3	39.2	34.3	10.2	0.0	48.3	48.4	54.0	5.7	5.6
11.	24370.00	BB	33.5	33.3	40.2	34.1	10.6	0.0	50.2	50.0	54.0	3.8	4.0

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	47.9	48.9	24.2	38.9	3.3	10.1	46.6	47.6	74.0	27.4	26.4
2.	2483.50	BB	45.3	51.0	28.9	37.6	4.4	10.1	51.1	56.8	74.0	22.9	17.2
3.	2688.07	BB	41.9	44.9	29.1	37.6	4.5	10.2	48.1	51.1	74.0	25.9	22.9
4.	4924.00	BB	42.2	43.2	33.1	37.0	5.5	0.7	44.5	45.5	74.0	29.5	28.5
5.	7386.00	BB	41.0	41.5	37.1	37.1	6.6	0.4	48.0	48.5	74.0	26.0	25.5
6.	9848.00	BB	41.8	42.2	39.5	37.1	7.0	1.1	52.3	52.7	74.0	21.7	21.3
7.	12310.00	BB	40.5	42.5	41.2	35.7	7.8	0.5	54.3	56.3	74.0	19.7	17.7
8.	14772.00	BB	41.3	41.6	41.3	35.2	8.5	0.6	56.5	56.8	74.0	17.5	17.2
9.	17234.00	BB	41.8	40.4	41.5	34.6	9.1	0.6	58.4	57.0	74.0	15.6	17.0
10.	19696.00	BB	42.1	42.3	39.9	34.7	9.9	0.0	57.2	57.4	74.0	16.8	16.6
11.	22158.00	BB	43.6	43.4	39.6	34.2	10.2	0.0	59.2	59.0	74.0	14.8	15.0
12.	24620.00	BB	44.6	45.3	40.3	34.0	10.8	0.0	61.7	62.4	74.0	12.3	11.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
Yamakita No.1 Anechoic Chamber  
Report No. : 24JE0164-YK

Applicant : Canon Inc.  
Kind of Equipment : Wireless File Transmitter  
Model No. : DS508152  
Serial No. : 11001  
Power : AC120V/60Hz  
Mode : Transmitting (CH11:2462MHz)  
Remarks : IEEE802.11g (54Mbps) /Antenna model:ERA-E1  
Date : 7/29/2004  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Toyokazu Imamura  
Humidity : 61 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	1022.99	BB	40.7	40.1	24.2	38.9	3.3	10.1	39.4	38.8	54.0	14.6	15.2
2.	2483.50	BB	34.1	36.5	28.9	37.6	4.4	10.1	39.9	42.3	54.0	14.1	11.7
3.	2688.07	BB	32.4	37.7	29.1	37.6	4.5	10.2	38.6	43.9	54.0	15.4	10.1
4.	4924.00	BB	31.6	33.2	33.1	37.0	5.5	0.7	33.9	35.5	54.0	20.1	18.5
5.	7386.00	BB	31.3	31.3	37.1	37.1	6.6	0.4	38.3	38.3	54.0	15.7	15.7
6.	9848.00	BB	32.0	29.9	39.5	37.1	7.0	1.1	42.5	40.4	54.0	11.5	13.6
7.	12310.00	BB	30.6	28.9	41.2	35.7	7.8	0.5	44.4	42.7	54.0	9.6	11.3
8.	14772.00	BB	31.4	31.3	41.3	35.2	8.5	0.6	46.6	46.5	54.0	7.4	7.5
9.	17234.00	BB	30.8	30.6	41.5	34.6	9.1	0.6	47.4	47.2	54.0	6.6	6.8
10.	19696.00	BB	32.1	32.2	39.9	34.7	9.9	0.0	47.2	47.3	54.0	6.8	6.7
11.	22158.00	BB	34.2	34.1	39.6	34.2	10.2	0.0	49.8	49.7	54.0	4.2	4.3
12.	24620.00	BB	35.1	35.4	40.3	34.0	10.8	0.0	52.2	52.5	54.0	1.8	1.5

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

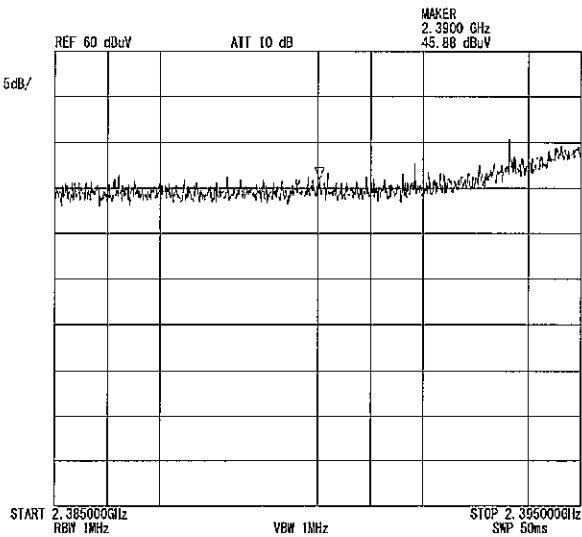
■ ANTENNA: HA-06 (BBHA9120D) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)



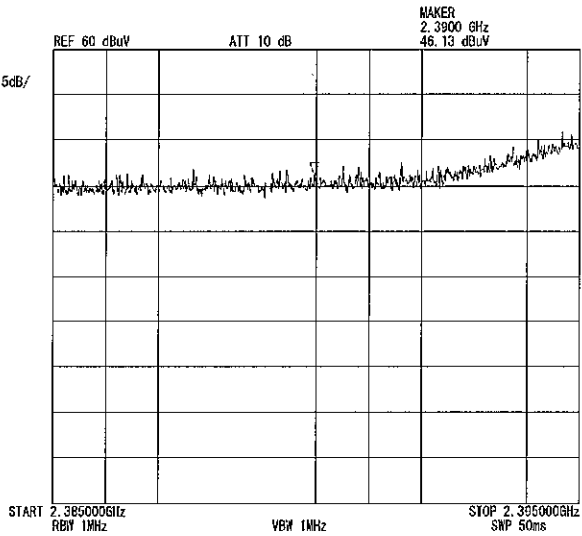
Restricted band edges: FCC 15.247(c)

COMPANY	: Canon Inc.	REPORT NO	: 24JE0164-YK-1
EQUIPMENT	: Wireless File Transmitter	REGULATION	: Fcc Part15SubpartC 247(c)
MODEL NUMBER	: DS508152	DATE	: 2004/08/09
SERIAL NUMBER	: 11001	TEMP./HUMI	: 26°C/52%
FCC ID	: AZD-DS508152	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:NA-E1		

[IEEE802.11b(11Mbps)]  
2.39GHz(CH1:2412MHz)  
1. Horizontal/PK



2. Vertical/PK

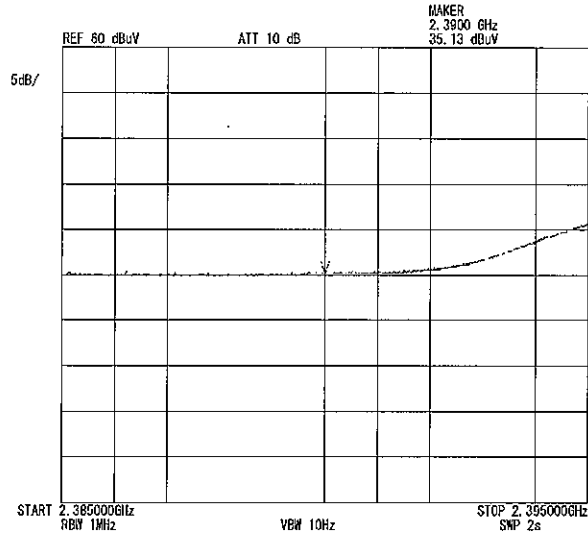


# Restricted band edges: FCC 15.247(c)

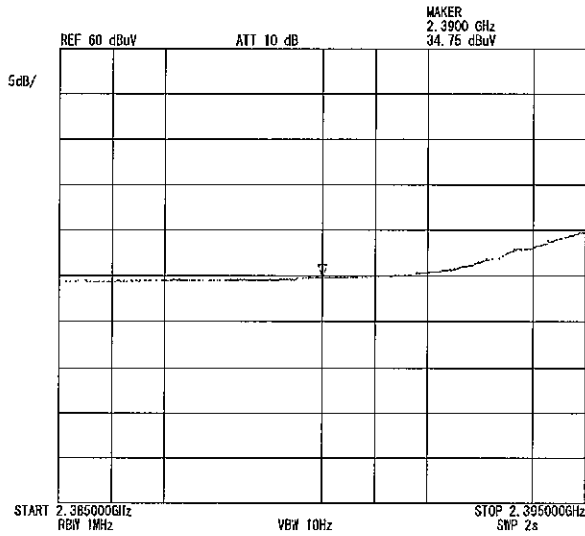
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
REMARKS : Antenna model:NA-E1

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

[IEEE802.11b(11Mbps)]  
2.39GHz(CH1:2412MHz)  
1. Horizontal/AV



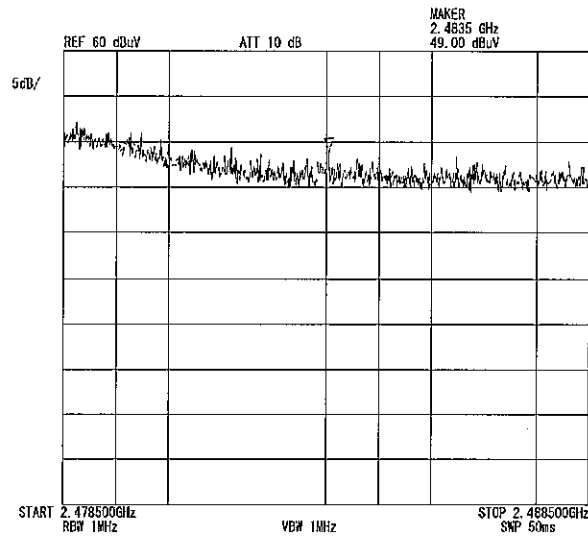
## 2. Vertical/AV



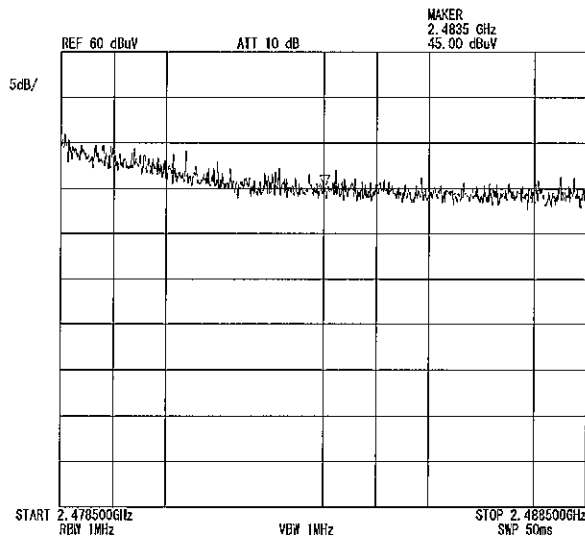
# Restricted band edges: FCC 15.247(c)

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
REMARKS : Antenna model:NA-E1  
[IEEE802.11b(11Mbps)]  
2.4835GHz(CH11:2462MHz)  
1. Horizontal/PK

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

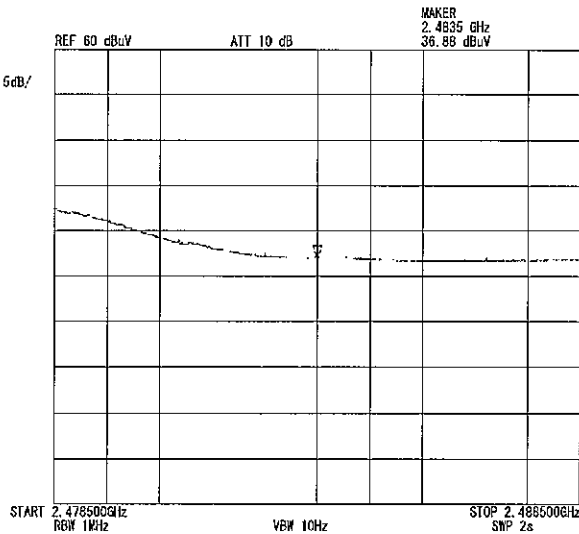


## 2. Vertical/PK

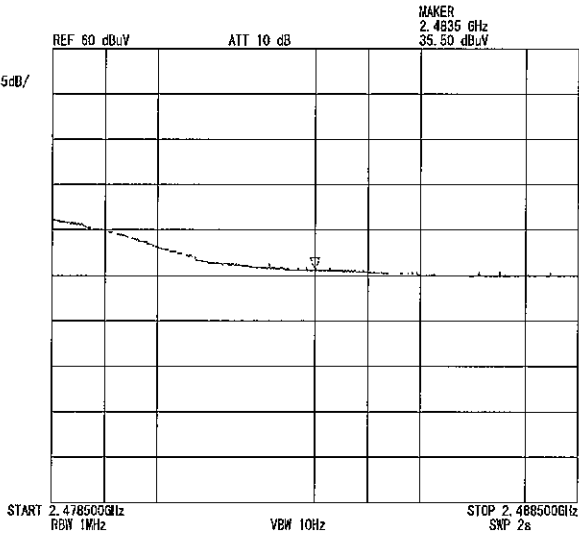


Restricted band edges: FCC 15.247(c)

COMPANY	: Canon Inc.	REPORT NO	: 24JE0164-YK-1
EQUIPMENT	: Wireless File Transmitter	REGULATION	: Fcc Part15SubpartC 247(c)
MODEL NUMBER	: DS508152	DATE	: 2004/08/09
SERIAL NUMBER	: 11001	TEMP./HUMI	: 26°C/52%
FCC ID	: AZD-DS508152	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:NA-E1		
[IEEE802.11b(11Mbps)]			
2.4835GHz(CH11:2462MHz)			
1. Horizontal/AV			

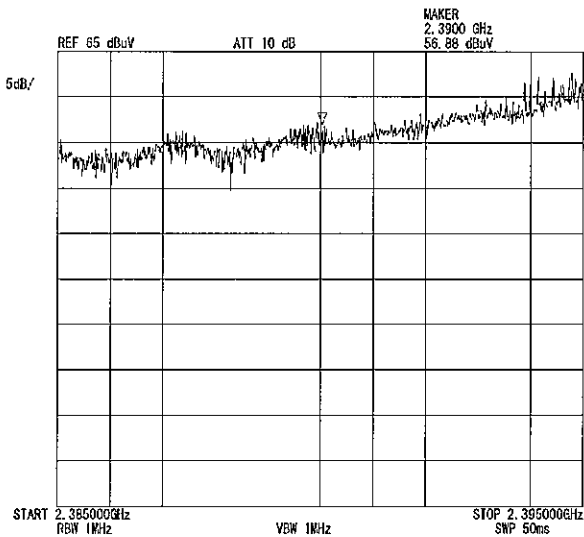


2. Vertical/AV

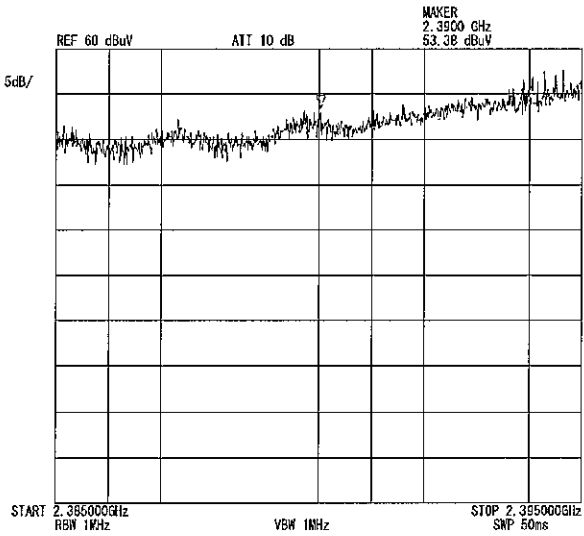


Restricted band edges: FCC 15.247(c)

COMPANY	: Canon Inc.	REPORT NO	: 24JE0164-YK-1
EQUIPMENT	: Wireless File Transmitter	REGULATION	: Fcc Part15SubpartC 247(c)
MODEL NUMBER	: DS508152	DATE	: 2004/08/09
SERIAL NUMBER	: 11001	TEMP./HUMI	: 26°C/52%
FCC ID	: AZD-DS508152	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:NA-E1		
[IEEE802.11g(54Mbps)]			
2.39GHz(CH1:2412MHz)			
1. Horizontal/PK			

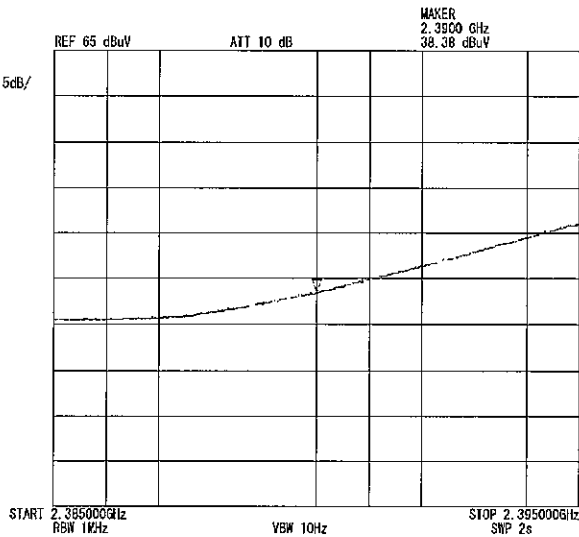


2. Vertical/PK

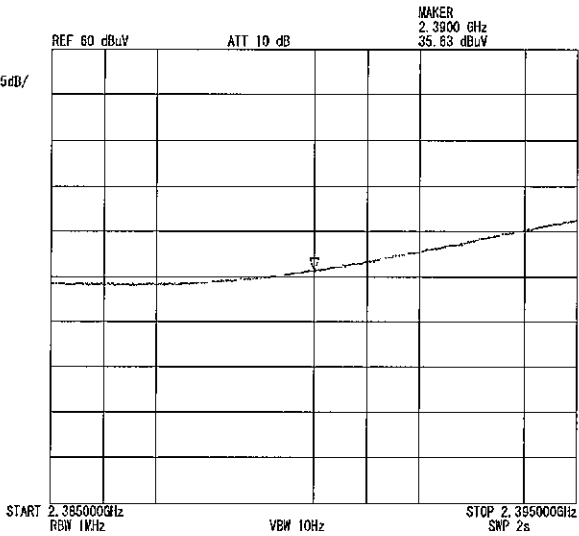


Restricted band edges: FCC 15.247(c)

COMPANY	: Canon Inc.	REPORT NO	: 24JE0164-YK-1
EQUIPMENT	: Wireless File Transmitter	REGULATION	: Fcc Part15SubpartC 247(c)
MODEL NUMBER	: DS508152	DATE	: 2004/08/09
SERIAL NUMBER	: 11001	TEMP./HUMI	: 26°C/52%
FCC ID	: AZD-DS508152	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:NA-E1		
[IEEE802.11g(54Mbps)]			
2.39GHz(CH1:2412MHz)			
1. Horizontal/AV			



2. Vertical/AV



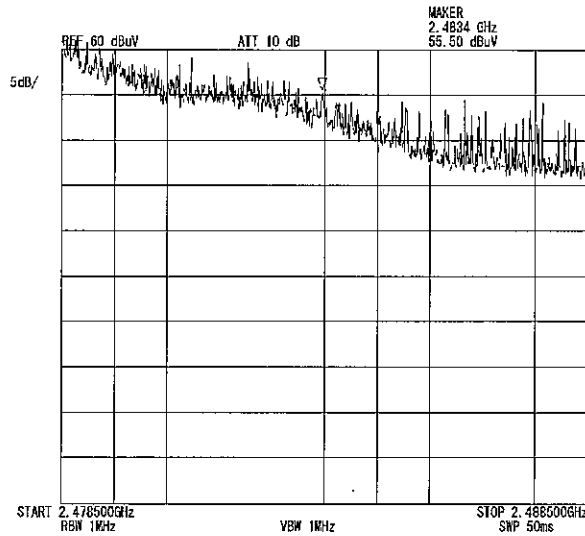
# Restricted band edges: FCC 15.247(c)

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
REMARKS : Antenna model:NA-E1

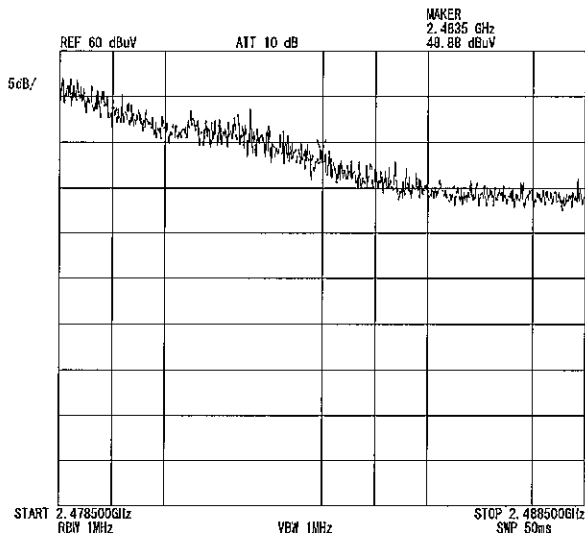
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

[IEEE802.11g(54Mbps)]  
2.4835GHz(CH11:2462MHz)

## 1. Horizontal/PK

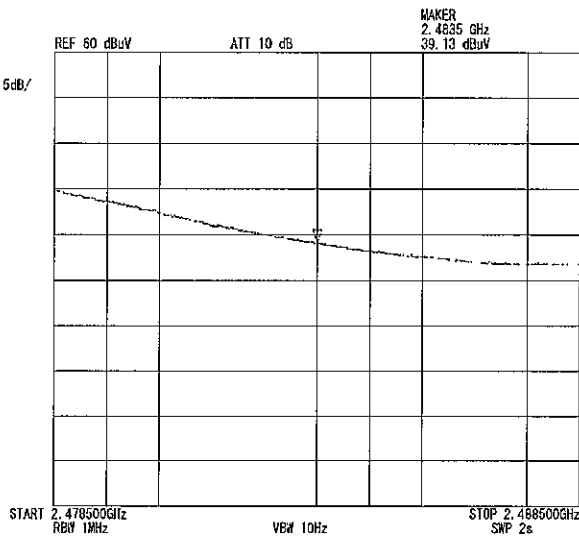


## 2. Vertical/PK

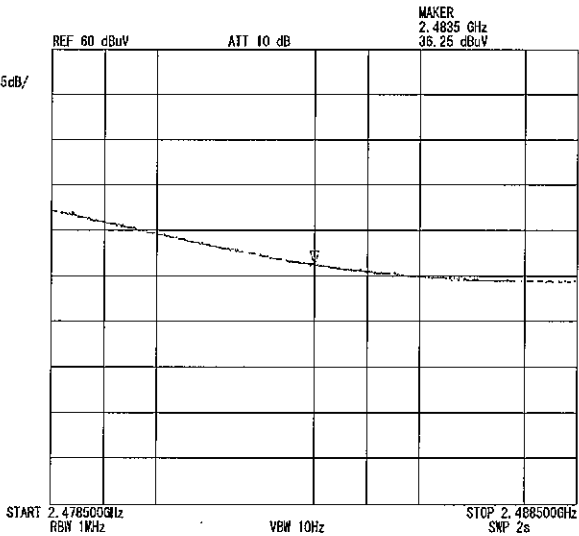


Restricted band edges: FCC 15.247(c)

COMPANY	: Canon Inc.	REPORT NO	: 24JE0164-YK-1
EQUIPMENT	: Wireless File Transmitter	REGULATION	: Fcc Part15SubpartC 247(c)
MODEL NUMBER	: DS508152	DATE	: 2004/08/09
SERIAL NUMBER	: 11001	TEMP/HUMI	: 26°C/52%
FCC ID	: AZD-DS508152	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:NA-E1		
[IEEE802.11g(54Mbps)]			
2.4835GHz(CH11:2462MHz)			
1. Horizontal/AV			



2. Vertical/AV





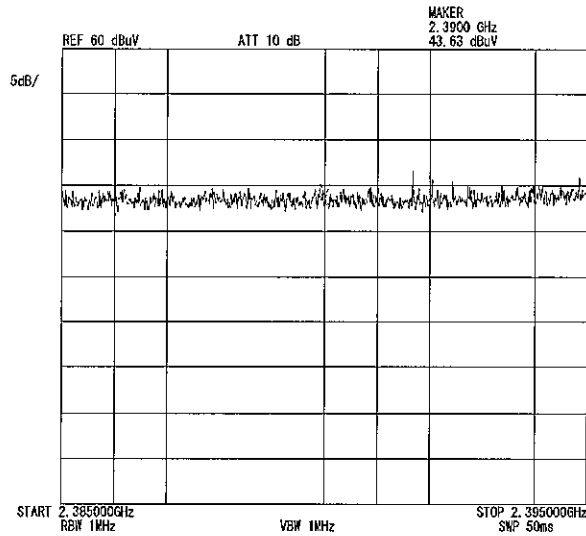
# Restricted band edges: FCC 15.247(c)

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
REMARKS : Antenna model:ERA-E1

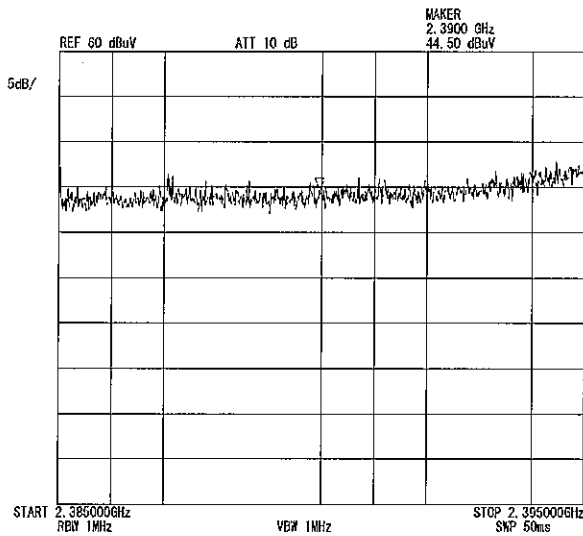
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

[IEEE802.11b(11Mbps)]  
2.39GHz(CH1:2412MHz)

## 1. Horizontal/PK



## 2. Vertical/PK



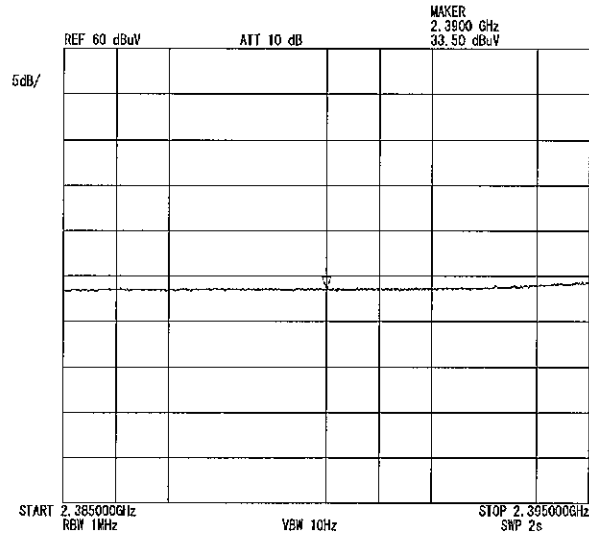
# Restricted band edges: FCC 15.247(c)

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
REMARKS : Antenna model:ERA-E1

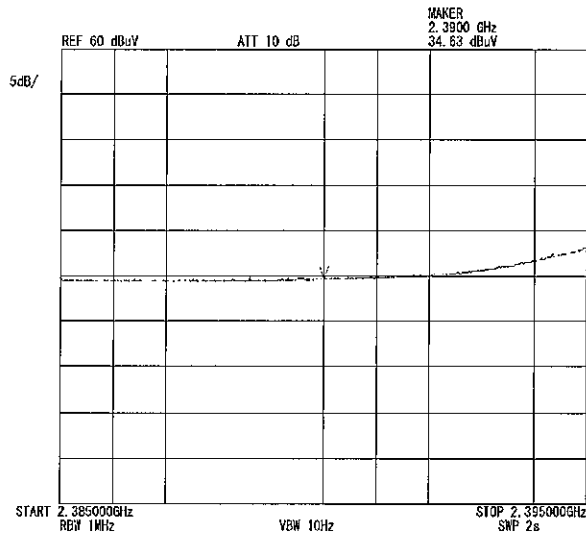
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

[IEEE802.11b(11Mbps)]  
2.39GHz(CH1:2412MHz)

## 1. Horizontal/AV



## 2. Vertical/AV



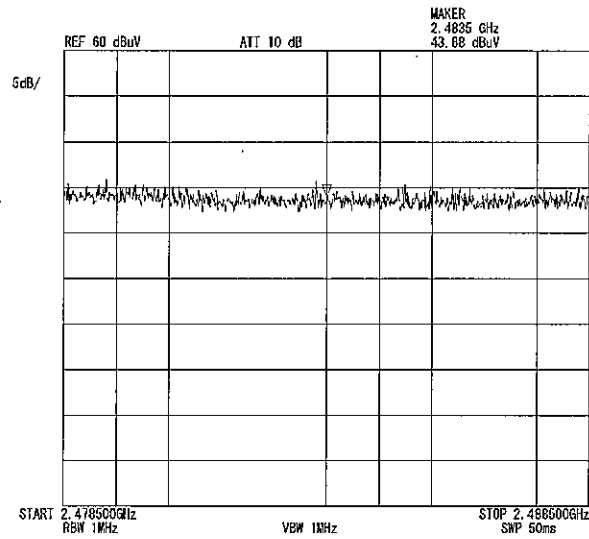
# Restricted band edges: FCC 15.247(c)

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
REMARKS : Antenna model:ERA-E1

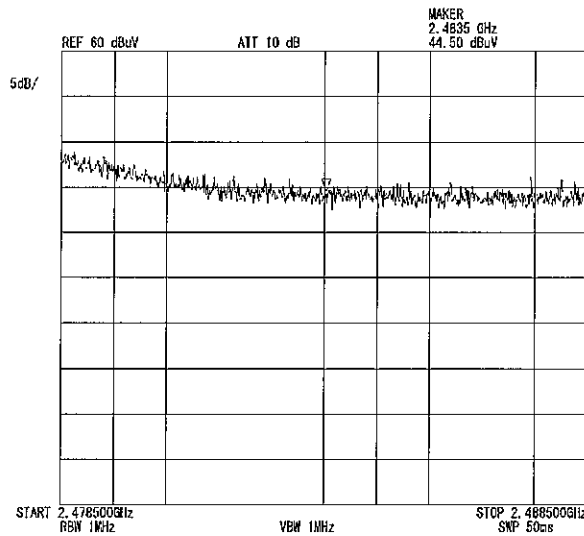
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

[IEEE802.11b(11Mbps)]  
2.4835GHz(CH11:2462MHz)

## 1. Horizontal/PK



## 2. Vertical/PK



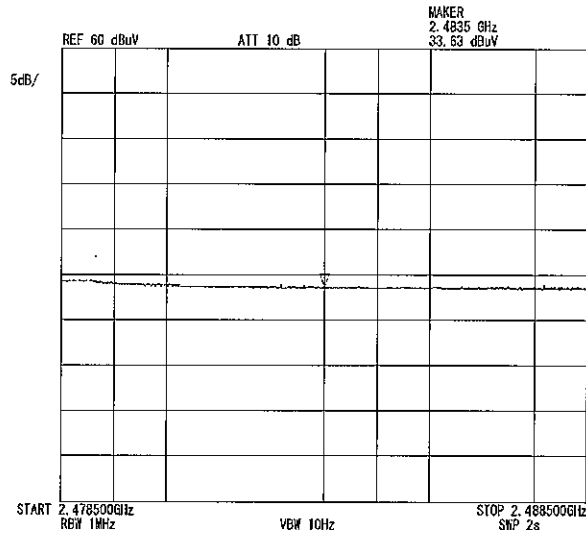
# Restricted band edges: FCC 15.247(c)

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
REMARKS : Antenna model:ERA-E1

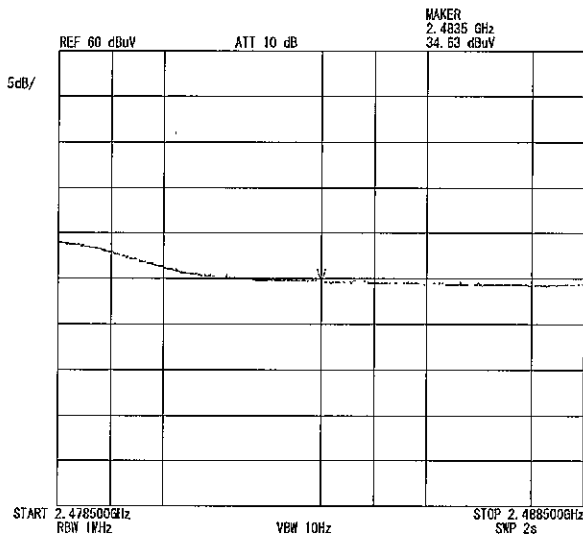
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

[IEEE802.11b(11Mbps)]  
2.4835GHz(CH11:2462MHz)

## 1. Horizontal/AV



## 2. Vertical/AV

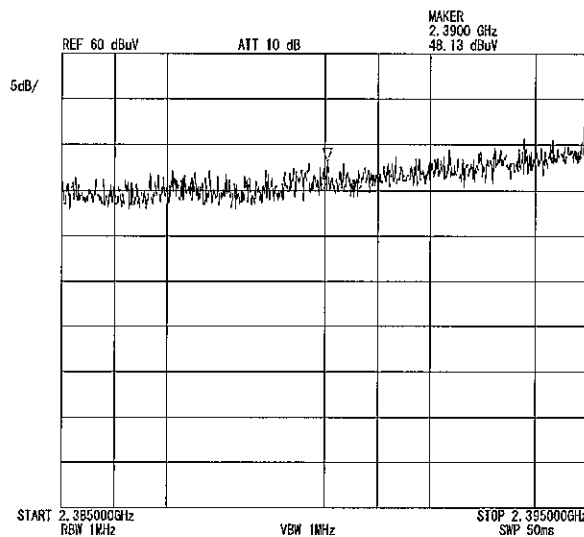


# Restricted band edges: FCC 15.247(c)

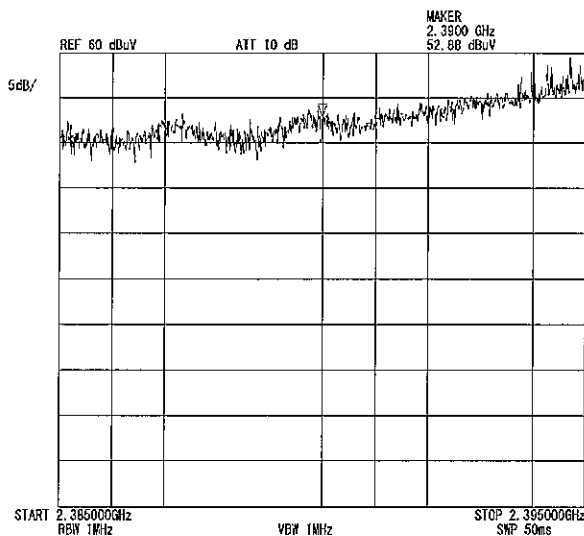
COMPANY	: Canon Inc.	REPORT NO	: 24JE0164-YK-1
EQUIPMENT	: Wireless File Transmitter	REGULATION	: Fcc Part15SubpartC 247(c)
MODEL NUMBER	: DS508152	DATE	: 2004/08/09
SERIAL NUMBER	: 11001	TEMP./HUMI	: 26°C/52%
FCC ID	: AZD-DS508152	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:ERA-E1		

[IEEE802.11g(54Mbps)]  
2.39GHz(CH1:2412MHz)

## 1. Horizontal/PK

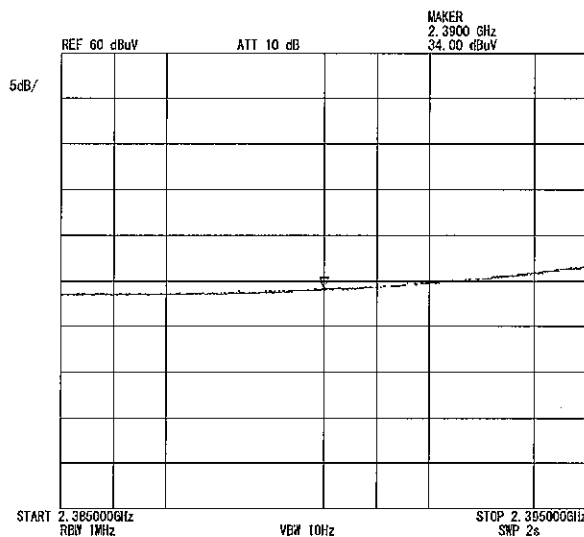


## 2. Vertical/PK

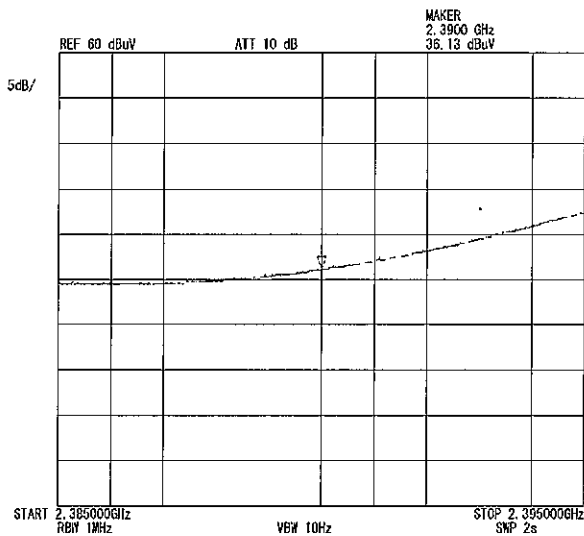


Restricted band edges: FCC 15.247(c)

COMPANY	: Canon Inc.	REPORT NO	: 24JE0164-YK-1
EQUIPMENT	: Wireless File Transmitter	REGULATION	: Fcc Part15SubpartC 247(c)
MODEL NUMBER	: DS508152	DATE	: 2004/08/09
SERIAL NUMBER	: 11001	TEMP/HUMI	: 26°C/52%
FCC ID	: AZD-DS508152	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:ERA-E1		
[IEEE802.11g(54Mbps)]			
<u>2.39GHz(CH1:2412MHz)</u>			
1. Horizontal/AV			

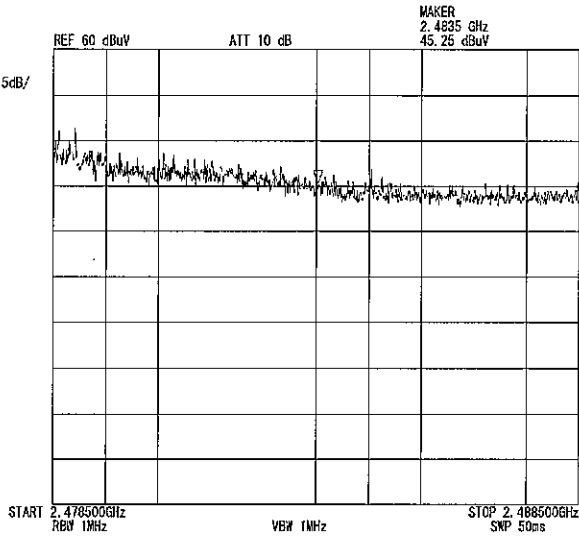


2. Vertical/AV

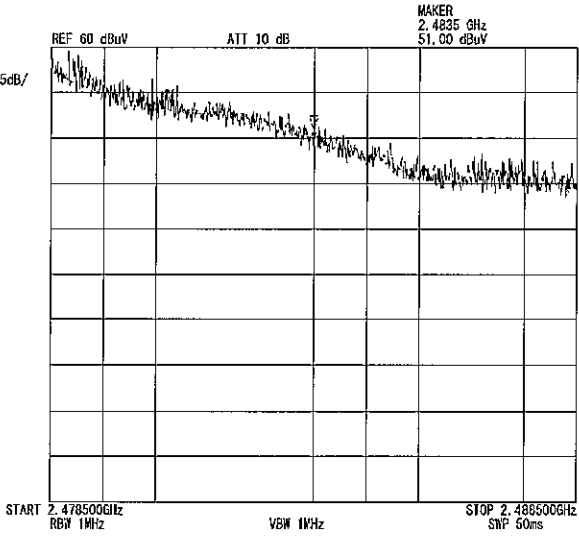


Restricted band edges: FCC 15.247(c)

COMPANY	: Canon Inc.	REPORT NO	: 24JE0164-YK-1
EQUIPMENT	: Wireless File Transmitter	REGULATION	: Fcc Part15SubpartC 247(c)
MODEL NUMBER	: DS508152	DATE	: 2004/08/09
SERIAL NUMBER	: 11001	TEMP./HUMI	: 26°C/52%
FCC ID	: AZD-DS508152	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:ERA-E1		
[IEEE802.11g(54Mbps)]			
<u>2.4835GHz(CH11:2462MHz)</u>			
1. Horizontal/PK			



2. Vertical/PK

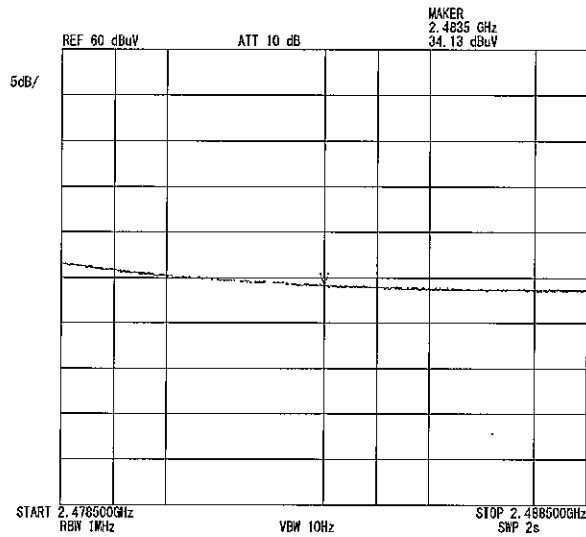


# Restricted band edges: FCC 15.247(c)

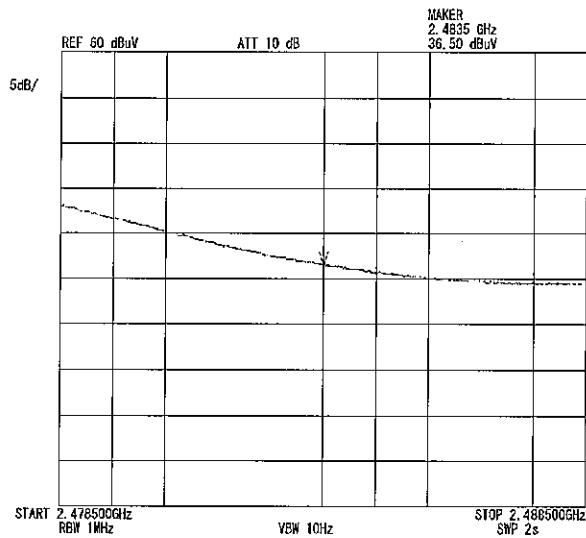
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
REMARKS : Antenna model:ERA-E1

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

[IEEE802.11g(54Mbps)]  
2.4835GHz(CH11:2462MHz)  
1. Horizontal/AV



## 2. Vertical/AV



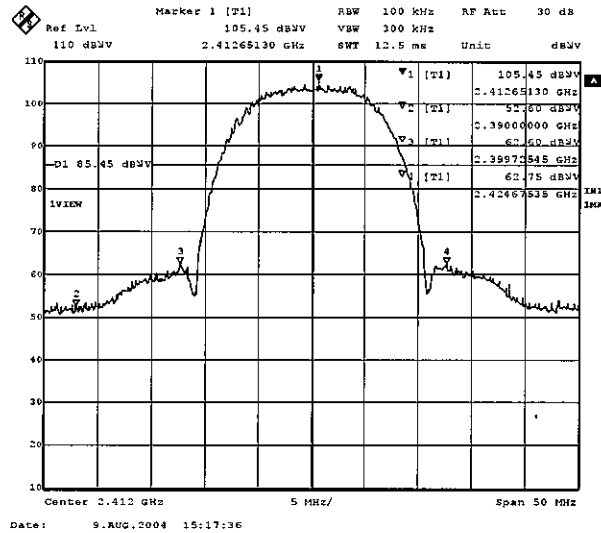


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

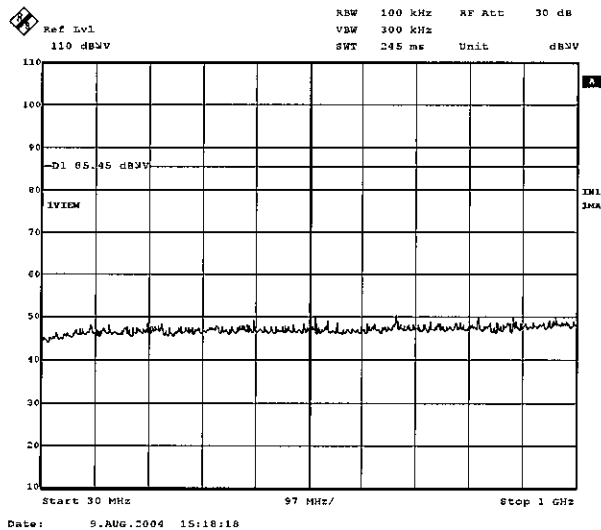
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11b(11Mbps)]  
Ch1:2412MHz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

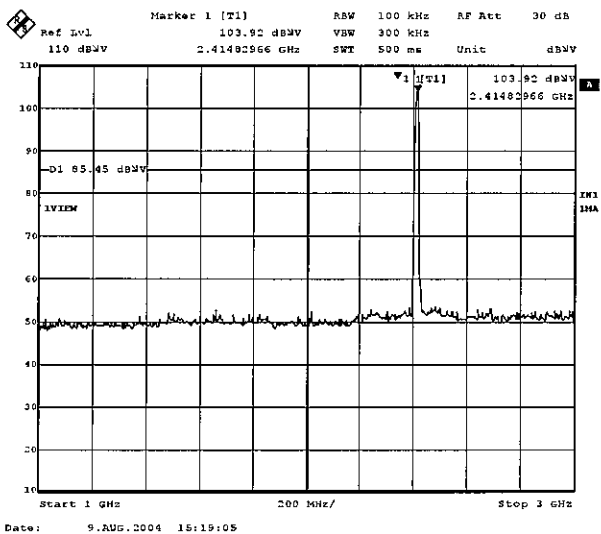
1.



2.



3.

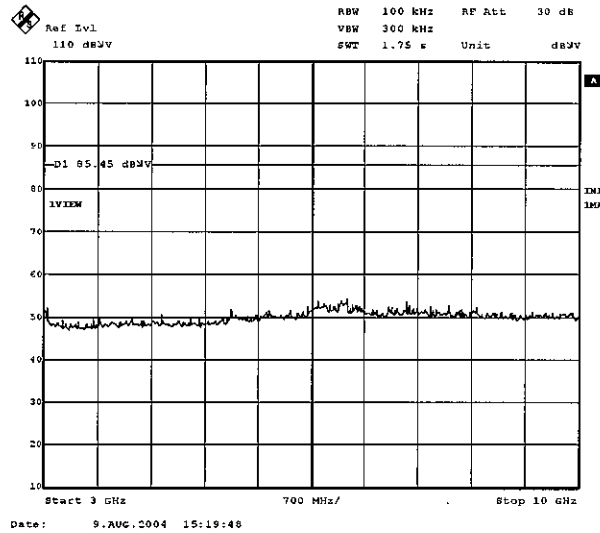


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

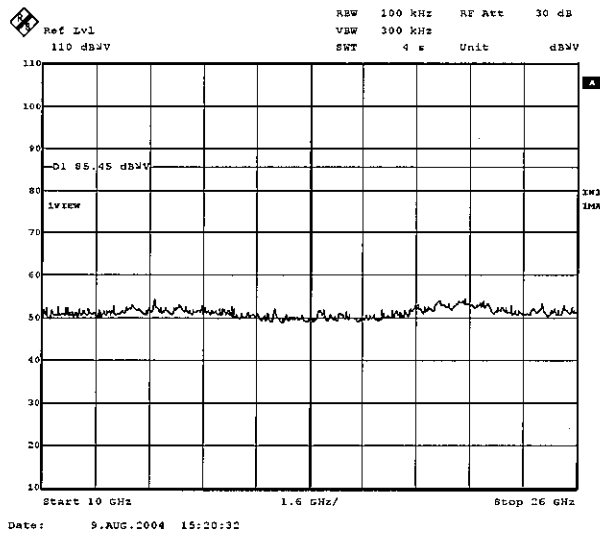
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11b(11Mbps)]  
Ch1:2412MHz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

4.



5.

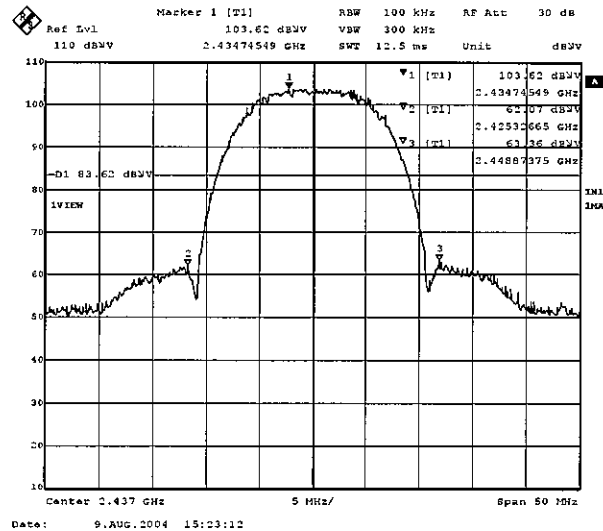


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

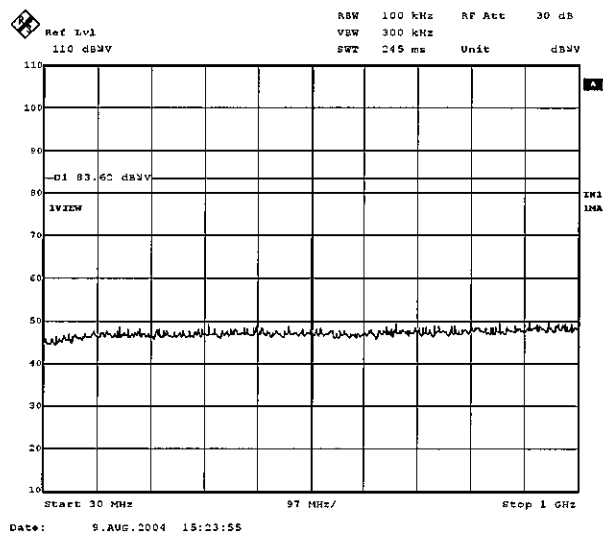
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11b(11Mbps)]  
Ch6:2437MHz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

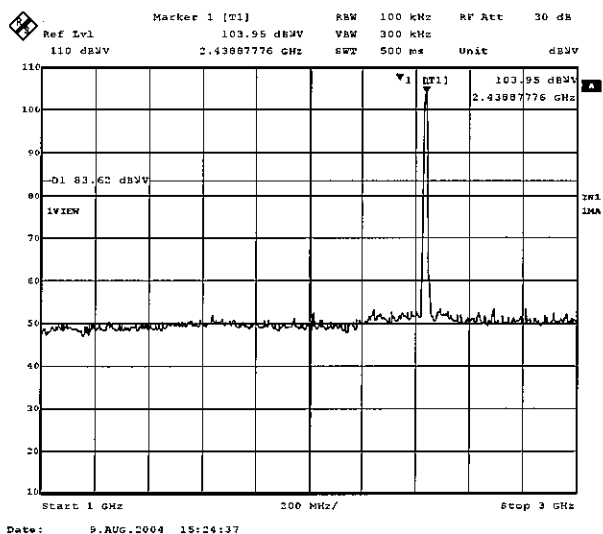
1.



2.



3.

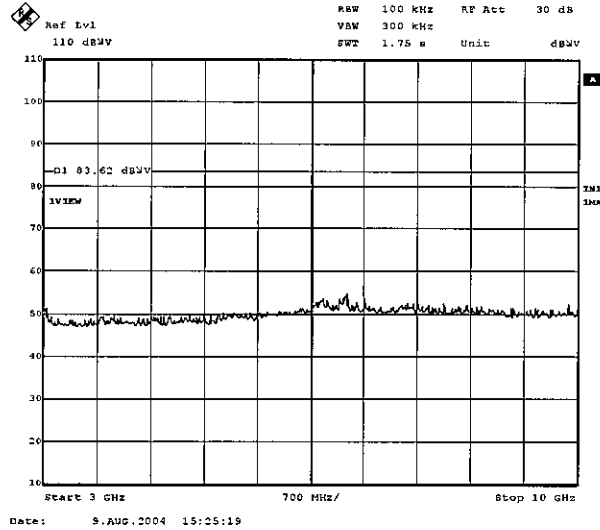


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

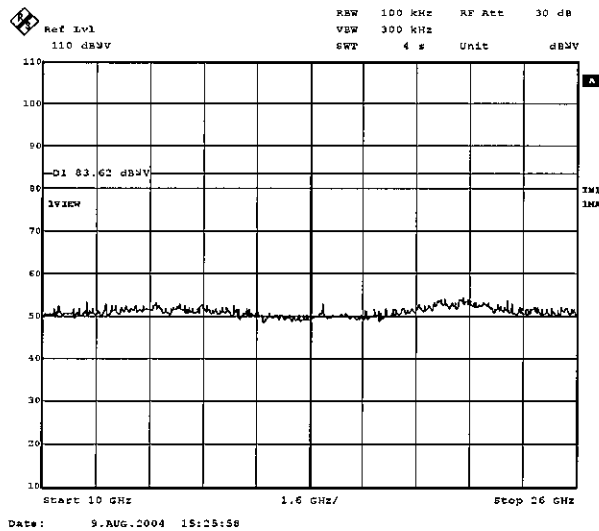
COMPANY : Canon Inc.  
 EQUIPMENT : Wireless File Transmitter  
 MODEL NUMBER: DS508152  
 SERIAL NUMBER: 11001  
 FCC ID : AZD-DS508152  
 POWER : AC120V/60Hz  
 [IEEE802.11b(11Mbps)]  
 Ch6:2437MHz

REPORT NO : 24JE0164-YK-1  
 REGULATION : Fcc Part15SubpartC 247(c)  
 DATE : 2004/08/09  
 TEMP/HUMI : 26°C/52%  
 TEST MODE : Transmitting  
 ENGINEER : Toyokazu Imamura

4.



5.

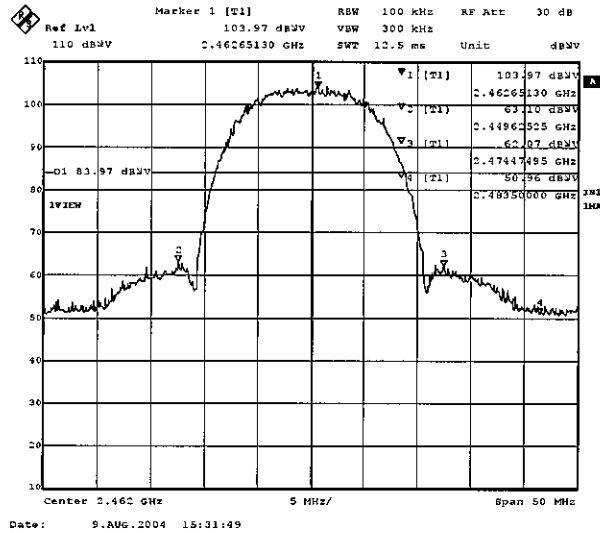


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

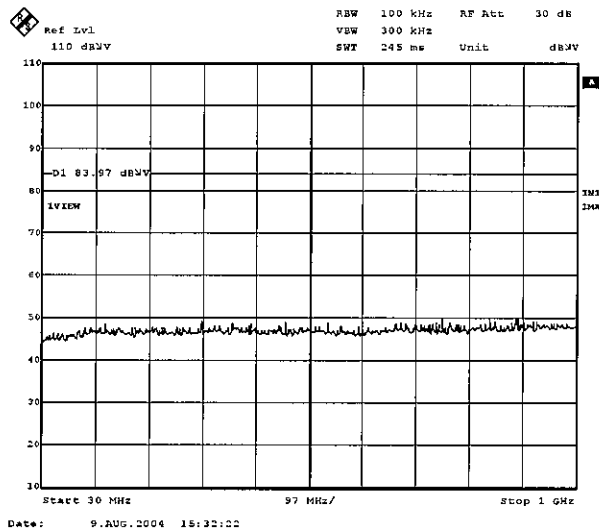
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11b(11Mbps)]  
Ch11:2462MHz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

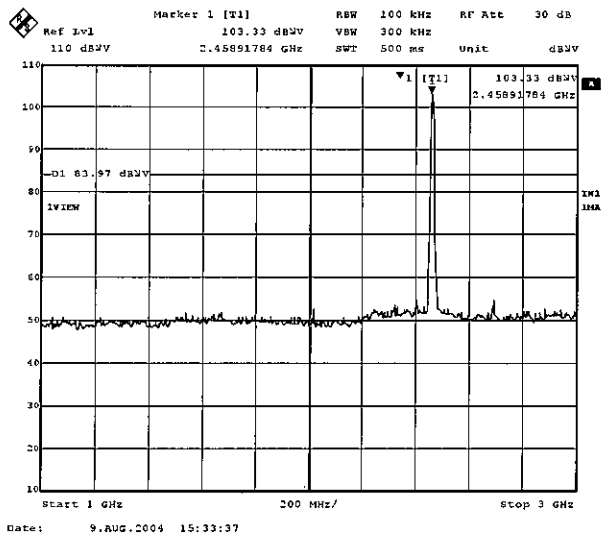
1.



2.



3.

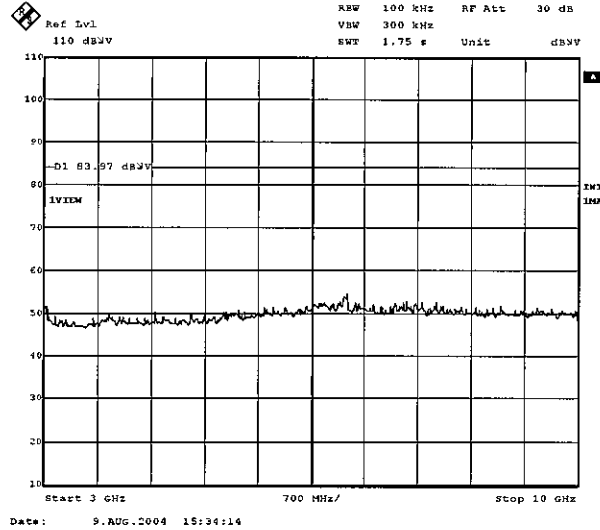


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

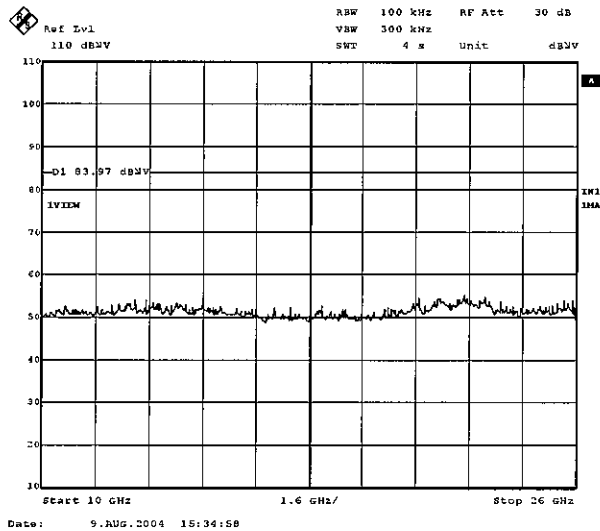
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11b(11Mbps)]  
Ch11:2462MHz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

4.



5.

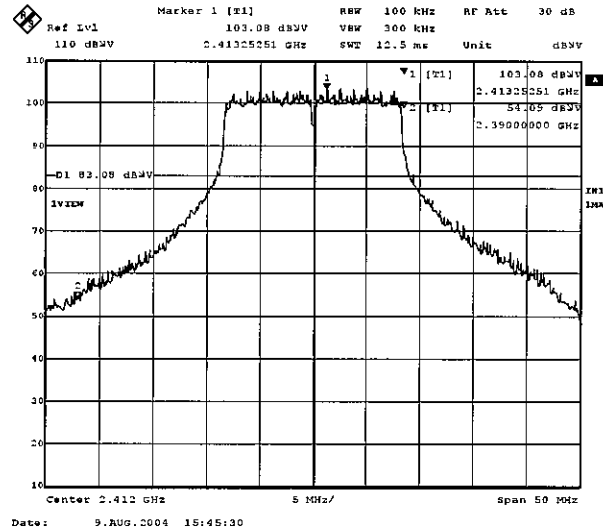


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

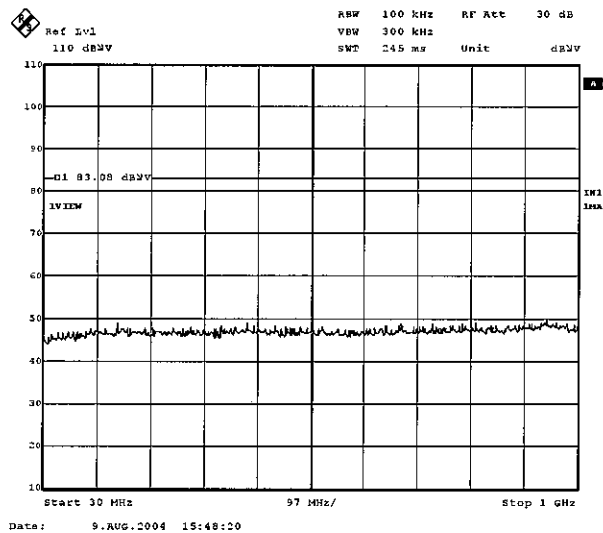
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11g(54Mbps)]  
Ch1:2412MHz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

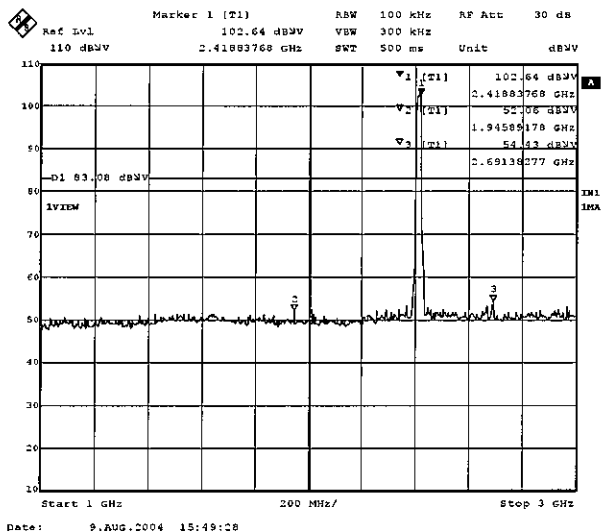
1.



2.



3.

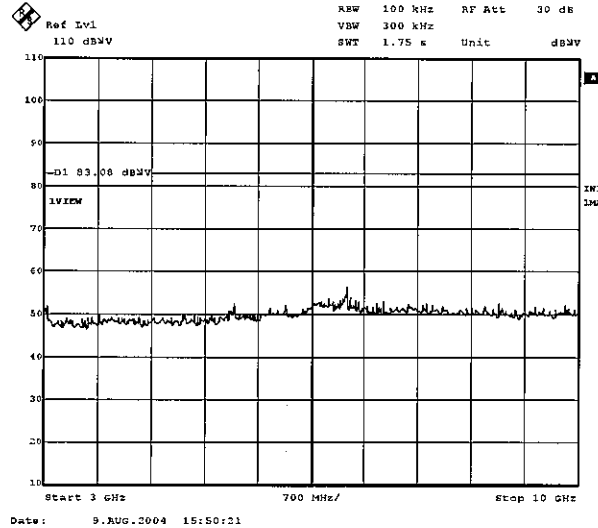


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

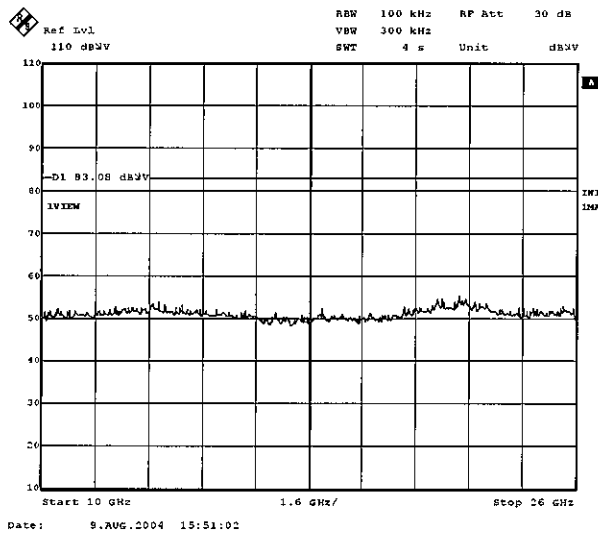
COMPANY : Canon Inc.  
 EQUIPMENT : Wireless File Transmitter  
 MODEL NUMBER: DS508152  
 SERIAL NUMBER: 11001  
 FCC ID : AZD-DS508152  
 POWER : AC120V/60Hz  
 [IEEE802.11g(54Mbps)]  
Ch1:2412MHz

REPORT NO : 24JE0164-YK-1  
 REGULATION : Fcc Part15SubpartC 247(c)  
 DATE : 2004/08/09  
 TEMP/HUMI : 26°C/52%  
 TEST MODE : Transmitting  
 ENGINEER : Toyokazu Imamura

4.



5.





# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

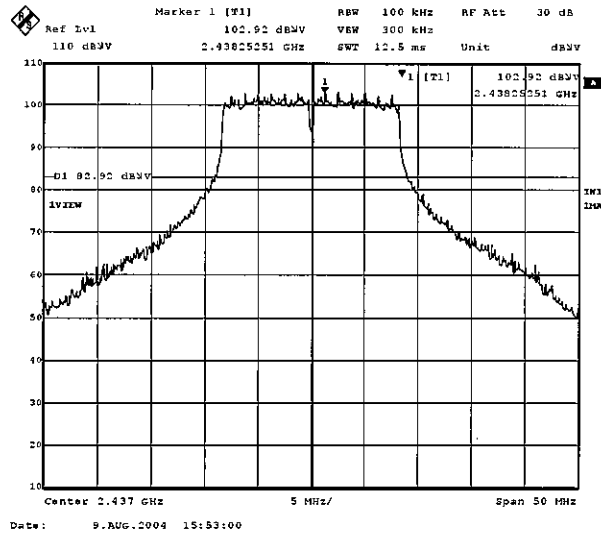
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

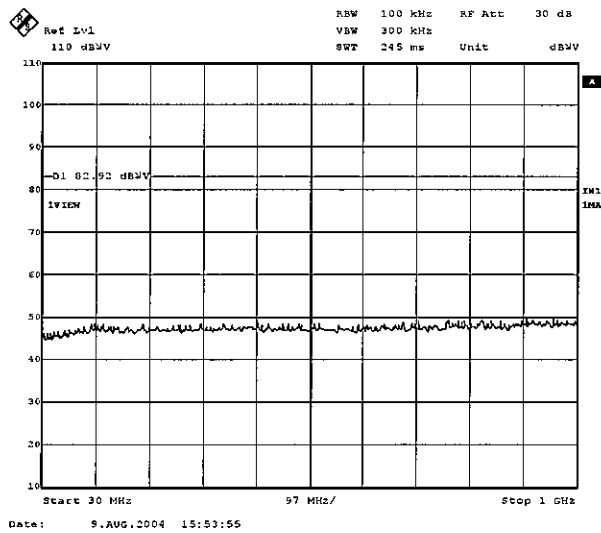
[IEEE802.11g(54Mbps)]

Ch6:2437MHz

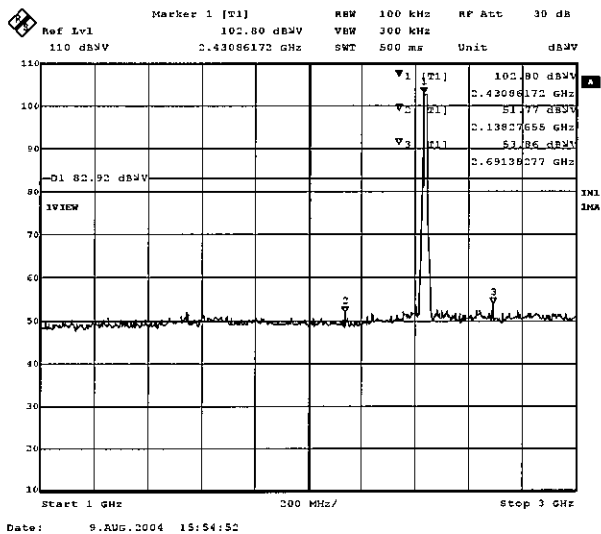
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2.



3.

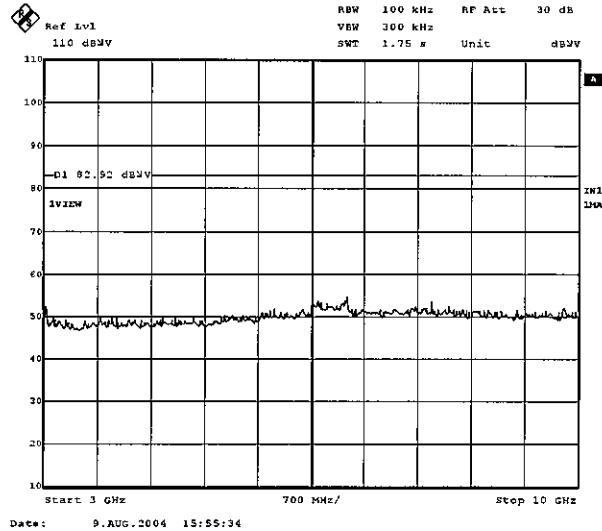


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

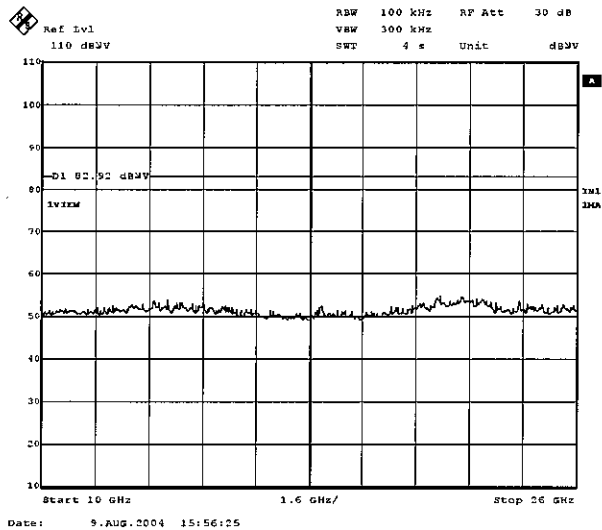
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11g(54Mbps)]  
Ch6:2437MHz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

4.



5.

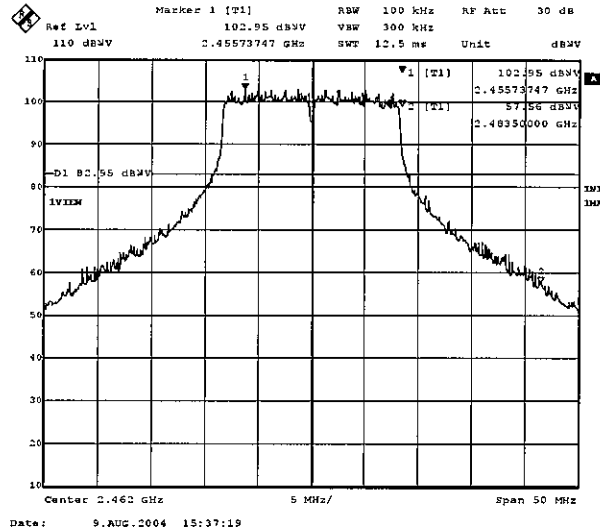


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

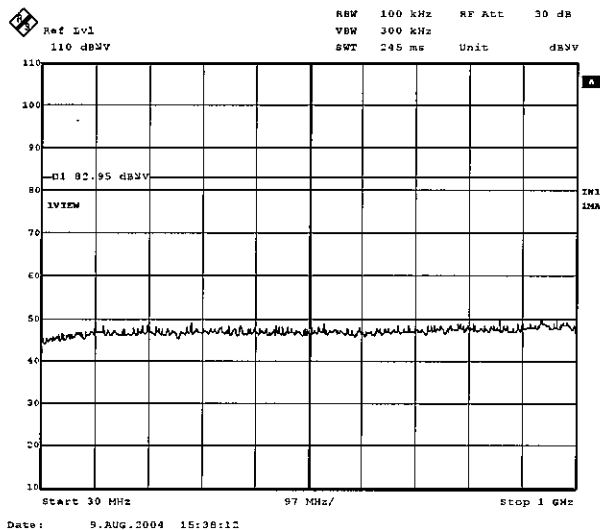
COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11g(54Mbps)]  
Ch11:2462MHz

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(c)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura

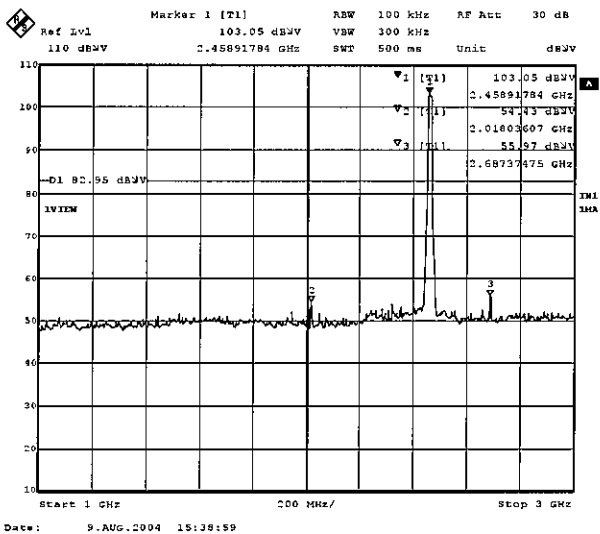
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2.



3.

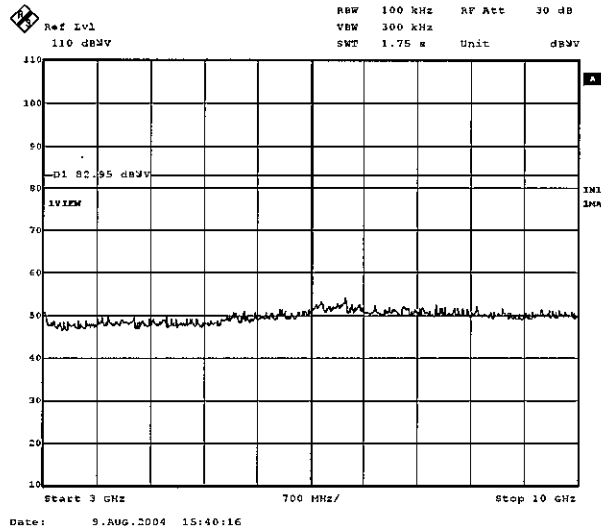


# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(c)

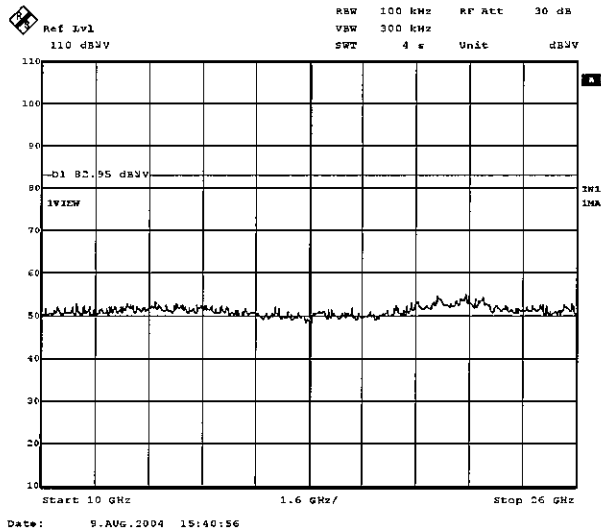
COMPANY : Canon Inc.  
 EQUIPMENT : Wireless File Transmitter  
 MODEL NUMBER: DS508152  
 SERIAL NUMBER: 11001  
 FCC ID : AZD-DS508152  
 POWER : AC120V/60Hz  
 [IEEE802.11g(54Mbps)]  
Ch11:2462MHz

REPORT NO : 24JE0164-YK-1  
 REGULATION : Fcc Part15SubpartC 247(c)  
 DATE : 2004/08/09  
 TEMP/HUMI : 26°C/52%  
 TEST MODE : Transmitting  
 ENGINEER : Toyokazu Imamura

4.



5.



## Power Density (Conducted)

UL Apex Co.,Ltd  
YAMAKITA NO.2 Shielded Room

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER : DS508152  
SERIAL NUMBER : 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
TEST MODE : Transmitting

REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(d)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%

ENGINEER : Toyokazu Imamura

### IEEE802.11b(11Mbps)

CH	FREQ	S/A Reading	Cable Loss	Results	Limit	MARGIN
	[GHz]	[dBm]	[dB]	[dBm]	[dBm]	[dB]
Low	2411.75451	-14.36	0.3	-14.06	8.0	22.1
Mid	2437.39980	-12.71	0.3	-12.41	8.0	20.4
High	2459.60721	-15.15	0.3	-14.85	8.0	22.9

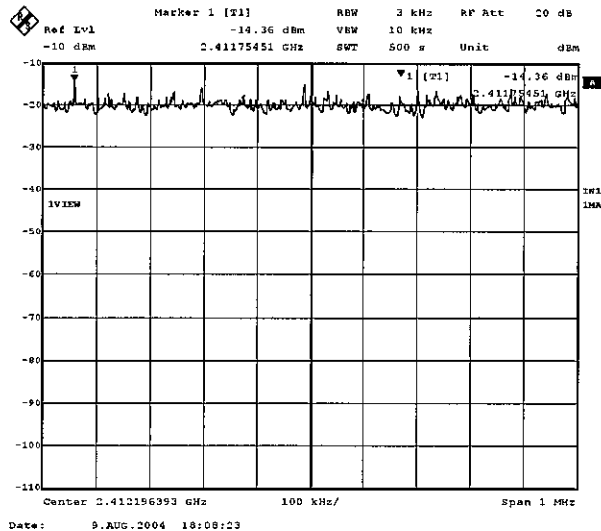
### IEEE802.11g(54Mbps)

CH	FREQ	S/A Reading	Cable Loss	Results	Limit	MARGIN
	[GHz]	[dBm]	[dB]	[dBm]	[dBm]	[dB]
Low	2411.74850	-17.66	0.3	-17.36	8.0	25.4
Mid	2437.65331	-17.97	0.3	-17.67	8.0	25.7
High	2461.74749	-17.89	0.3	-17.59	8.0	25.6

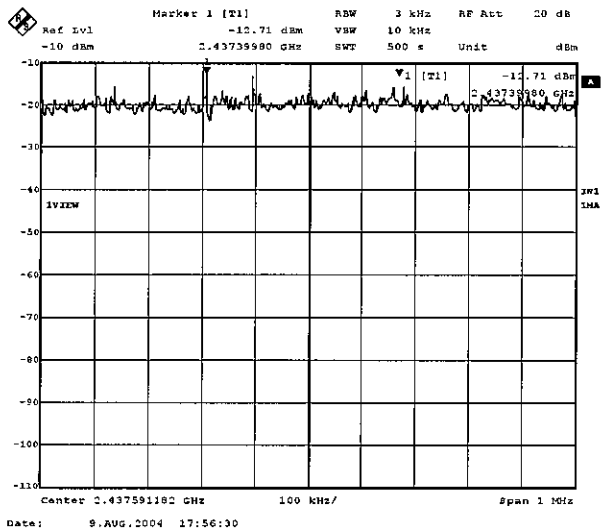
# Power Density: FCC 15.247(d)

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11b(11Mbps)]  
1. ch 1: 2412MHz

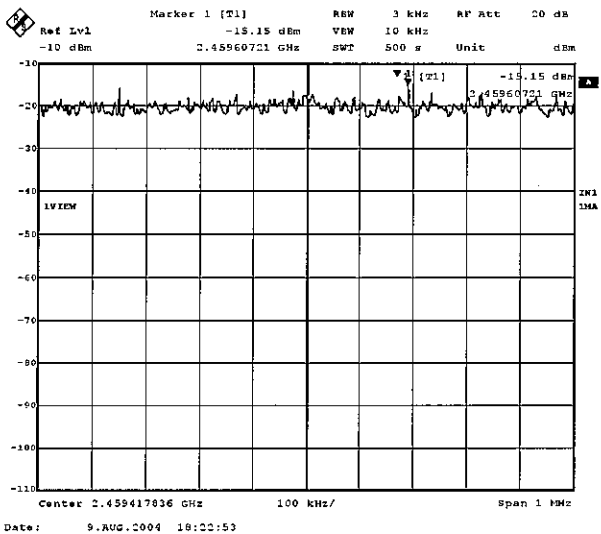
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room  
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(d)  
DATE : 2004/08/09  
TEMP/HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura



2. ch 6: 2437MHz



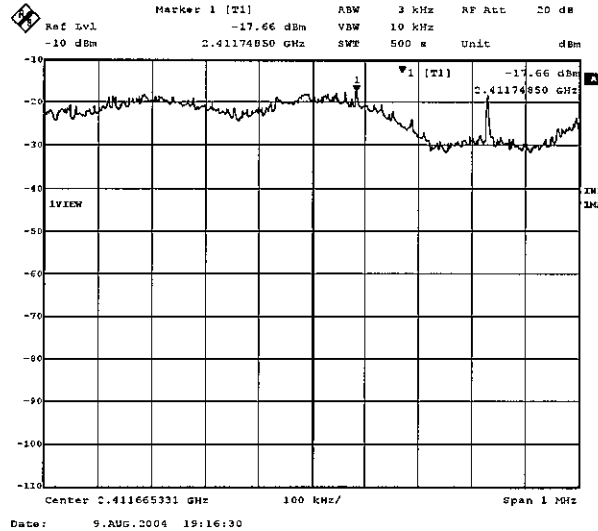
3. ch 11: 2462MHz



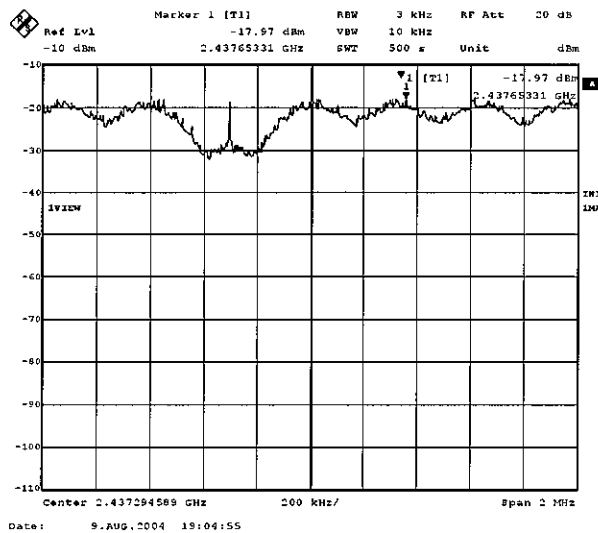
# Power Density: FCC 15.247(d)

COMPANY : Canon Inc.  
EQUIPMENT : Wireless File Transmitter  
MODEL NUMBER: DS508152  
SERIAL NUMBER: 11001  
FCC ID : AZD-DS508152  
POWER : AC120V/60Hz  
[IEEE802.11g(54Mbps)]  
1. ch 1: 2412MHz

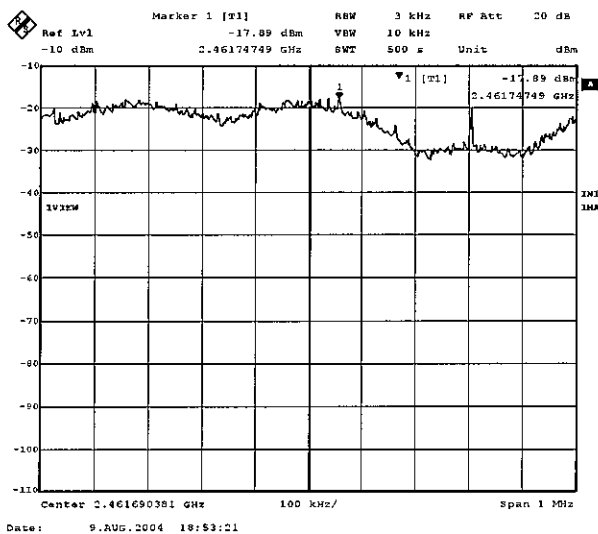
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room  
REPORT NO : 24JE0164-YK-1  
REGULATION : Fcc Part15SubpartC 247(d)  
DATE : 2004/08/09  
TEMP./HUMI : 26°C/52%  
TEST MODE : Transmitting  
ENGINEER : Toyokazu Imamura



2. ch 6: 2437MHz



3. ch 11: 2462MHz



Test Report No : 24JE0164-YK-1

### APPENDIX 3

#### Test Instruments

#### EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
KAEC-01(NSA)	Anechoic Chamber	JSE	Semi 3m	RE	2003/09/07 * 12
KAF-02	Pre Amplifier	Hewlett Packard	8449B	RE	2004/05/07 * 12
KAF-05	Pre Amplifier	Agilent	8447D	RE	2004/05/26 * 12
KAT10-S1	Attenuator	Agilent	8449D 010	RE	2004/04/15 * 12
KAT6-02	Attenuator	INMET	18N-6dB	RE	2004/04/27 * 12
KBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2004/01/31 * 12
KCC-24/25/26 /28/KPL-02	Coaxial Cable/Pulse Limiter	Fujikura/Suhner/PMM	5D-2W/5D-2W/S042 72B/S04272B/PL01	CE	2003/09/19 * 12
KCC-30/31/32 /34	Coaxial Cable	Fujikura/Suhner	5D-2W/S04272B	RE	2004/01/29 * 12
KCC-D3/D7	Coaxial Cable	Rosenberger/Advantest	2201/JUN-08-01-06 1	RE	2004/04/15 * 12
KFL-01	Highpass Filter	Hewlett Packard	84300 80038	RE	2004/04/15 * 12
KHA-03	Horn Antenna	EMCO	3160-09	RE	2004/05/01 * 12
KLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2004/01/31 * 12
KLS-05	LISN(AMN)	Schwarzbeck	NSLK8126	CE (EUT)	2003/09/19 * 12
KLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE	2003/09/19 * 12
KPM-05	Power meter	Agilent	E4417A	AT	2004/02/26 * 12
KPSS-01	Power sensor	Agilent	E9327A	AT	2004/03/02 * 12
KSA-04	Spectrum Analyzer	Advantest	R3271A	CE/RE	2003/09/17 * 12
KTM-04	Terminator	TME	CT-01BP	CE	2004/04/27 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ES140	RE/AT	2004/07/28 * 12
KTR-03	Test Receiver	Rohde & Schwarz	ESHS10	CE	2004/05/19 * 12
HA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2004/04/10 * 12

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

#### Test Item:

CE: Conducted emission test

RE: Radiated emission test

AT: Antenna port conducted test