EMI TEST REPORT

Test Report No. : 25BE0195-YK-1

Applicant	:	**Nikon Corporation**
Type of Equipment	:	**Wireless Transmitter**
Model No.	:	**WT-2A**
FCC ID	:	**CGJWT02**
Test standard	:	**FCC Part15 Subpart C, Section 15.247: 2004**
Test Result	:	**Complied**

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

Date of test: October 13, 20, 26-29 and November 1-2, 2004

Tested by: T. Imamura Toyokazu Imamura & T. Suzuki Takahiro Suzuki

F. Matsuo Fumiaki Matsuo & M. Hosaka Makoto Hosaka

Approved by: O. Watatani
Osamu Watatani
Site Manager of Yamakita EMC Lab.

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1 GENERAL INFORMATION

Applicant

Company Name	: Nikon Corporation Environment & Safety Management Team, Imaging Company
Brand Name	: Nikon
Address	: 6-3, Nishi-Ohi 1-chome, Shinagawa-ku, Tokyo, 140-8601 JAPAN
Telephone Number	: +81-3-3773-8395
Facsimile Number	: +81-3-3773-8112
Contact Person	: Kenji Ishizuki (Ishizuki.Kenji@nikonoa.net)
Type of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Rating	: DC13.5V, 0.25A
Receipt Date of Sample	: October 6, 2004
Condition of EUT	: Production model
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 "Guidance on Measurement for Digital Transmission Systems Section15.247".

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

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	No.2 EMS lab. (Full-anechoic chamber)	8.0 x 4.7 x 4.0
No.4 shielded room	5.0 x 4.0 x 2.7		
No.5 shielded room	4.5 x 4.3 x 2.7		

2 PRODUCT DESCRIPTION

Nikon Corporation, Model: WT-2A (referred to as the EUT in this report) is a Wireless 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). It is a dedicated device for digital cameras (D2H and its similar models).

The clock frequencies used in EUT: 30MHz, 33MHz

[Wireless LAN μ-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	:	1/4λ Monopole, 3/2λ Co-liner
Antenna connector type	:	Reverse SMA
Antenna gain	:	Monopole: -1.5dBi Co-liner: 3.0dBi (including 1.0dB cable loss)
Mode of operation	:	Simplex
Emission Designation	:	D1D, G1D
Operation temperature range	:	0 ~ 40 deg. C.
Operation voltage (inner)	:	DC3.3V

*FCC Part15.31 (e)

The Digital Camera, D2H provides WT-2A (Wireless Transmitter) with regulated voltage of 13.5V, and the Wireless LAN μ-PCI CARD is provided with regulated power supply (DC3.3V) by the Wireless Transmitter. Therefore, the equipment complies power supply regulation.

*FCC Part15.203

The antenna of WT-2A doesn't use a standard antenna jack or electrical connector, therefore the Wireless Transmitter complies FCC Part15.203 Antenna requirement.

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

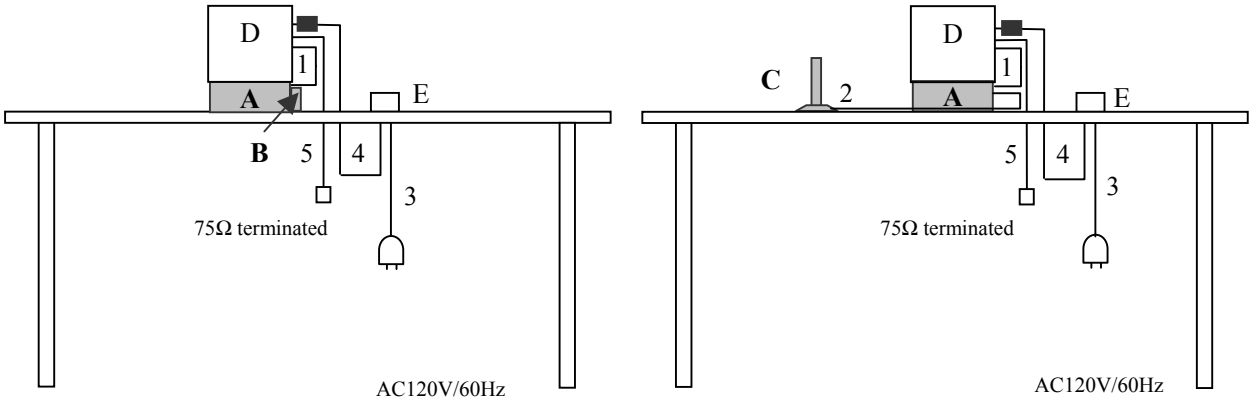
Antenna model: WA-S1 (Normal)		
	Transmitting (IEEE802.11b (11Mbps))	-2412MHz (Low)
		-2437MHz (Middle)
		-2462MHz (High)
	Transmitting (IEEE802.11g (54Mbps))	-2412MHz (Low)
		-2437MHz (Middle)
		-2462MHz (High)
Antenna model: WA-E1 (Optional)		
	Transmitting (IEEE802.11b (11Mbps))	-2412MHz (Low)
		-2437MHz (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.

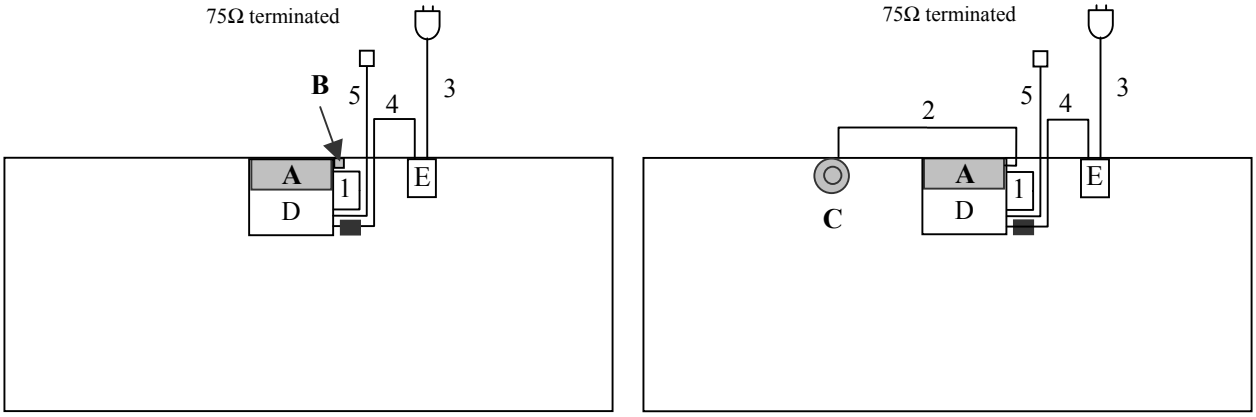
3.2 Configuration of Tested System

■ : Ferrite core

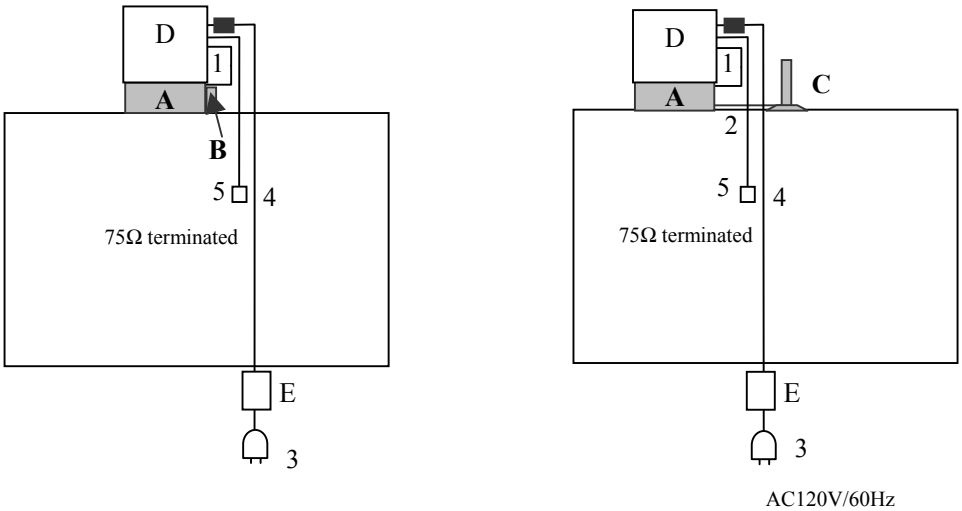
Front View (Conducted emission)



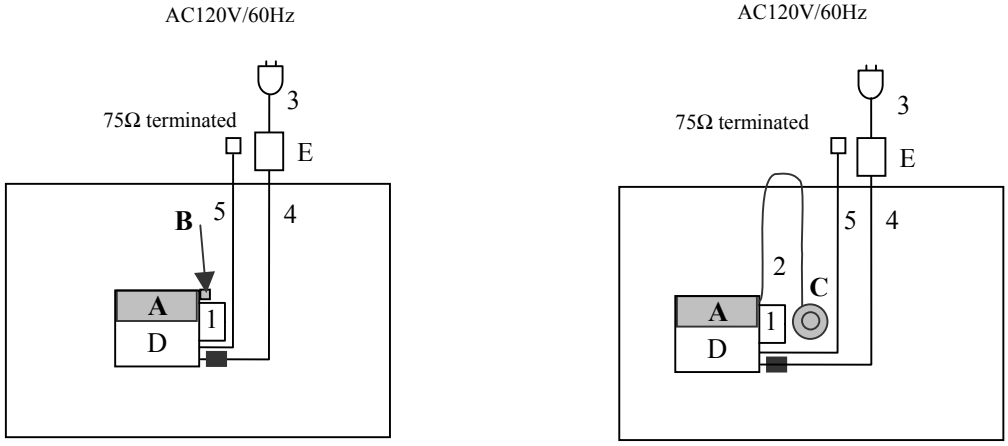
Top View (Conducted emission)



Front View (Radiated emission)



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 Transmitter	WT-2A	230001	Nikon	CGJWT02	EUT
B	Antenna (Short)	WA-S1	-	Nikon	-	EUT
C	Antenna (Long)	WA-E1	-	Nikon	-	EUT
D	Digital Camera	D2H	2625373	Nikon	D.o.C.	-
E	AC Adapter	EH-6	03112308	Nikon	-	-

List of cables used

No.	Name	Length (m)	Shield	Backshell material
1	USB Cable	0.1	Shielded	Polyvinyl chloride
2	Antenna Cable	1.0	Shielded	Polyvinyl chloride
3	AC Cable	2.0	Unshielded	Polyvinyl chloride
4	DC Cable	2.0	Unshielded	Polyvinyl chloride
5	Video Cable	1.5	Unshielded	Polyvinyl chloride

4 MEASUREMENT UNCERTAINTY

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

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 ±4.8dB.
The measurement uncertainty (with 95% confidence level) for this test using Logperiodic antenna is ±5.2dB.
The measurement uncertainty (with 95% confidence level) for this test using Horn antenna is ±6.6dB.

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

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 1.8m, raised 80cm above the conducting ground plane. The rear of tabletop was located 40cm to the vertical conducting plane. The rear of EUT was aligned and flushed with rear of tabletop. All other surfaces of tabletop were at least 80cm from any other grounded conducting surface. EUT was located 80cm from a LISN (Line Impedance Stabilization Network) and excess AC cable was bundled in center. Each EUT current-carrying power lead, except the ground (safety) lead, was individually connected through the LISN to the input power source.

The AC Mains Terminal Continuous disturbance Voltage has been measured with the EUT on a shielded room. The AC adapter of the digital camera was connected to a 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 19 to 38
Photographs of test setup : Page 13 to 14
Test result : Pass
Test instruments : KCC-24/25/26/28/KPL-02, KLS-05, KSA-02, KTR-01

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 39 to 40
Test result : Pass
Test instruments : 1.0m length cable prepared by client, KTR-01

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

Test Procedure
The Maximum Peak Conducted Output power was measured with a power meter connected to the antenna port. Antenna Gain does not exceed 6dBi.

Test data : APPENDIX 2 Page 41 to 43
Test result : Pass
Test instruments : KPM-05, KPSS-01, 1.0m length cable prepared by client, KTR-01

5.4 § 15.247 (d) 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 open site 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. Three axes of EUT (X, Y and Z) and two axes of its antenna (X and Y) were compared. For antenna model WA-E1, the antenna was also checked at axes of X2 and Y2 in integrated with EUT, whose position is X-axis. The position in which the maximum noise occurred was chosen to put into measurement. See the table below and the photographs in page 17-18.

Combinations of the worst case

	Antenna model: WA-S1		Antenna model: WA-E1	
80-1000MHz	EUT	EUT's Antenna	EUT	EUT's Antenna
Horizontal	Z	X	Y	X
Vertical	X	X	X	X
1-26GHz				
Horizontal	X	X	X	X
Vertical	X	X	X	X

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/AV Detector

Test data : APPENDIX 2 Page 44 to 55 (30 - 1000MHz)
: APPENDIX 2 Page 56 to 79 (1 - 26GHz)
: APPENDIX 2 Page 80 to 95
(Band Edges: 2390MHz/ 2483.5MHz, Restricted band Charts)
Photographs of test setup : Page 15 to 16
Test result : Pass
Test instruments : KAF-03, KAF-04, KAT10-S1, KAT6-04, KTR-04, KFL-01
KCC-20/21/22/23/29, KCC-D3/D7, KBA-02, KOTS-02
KSA-02, KSA-04, KHA-02, KHA-04, KLA-02

5.5 § 15.247 (d) 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 96 to 107
Test result : Pass
Test instruments : 1.0m length cable prepared by client, KTR-01

5.6 § 15.247 (e) Power Density (Antenna Port Conducted)

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

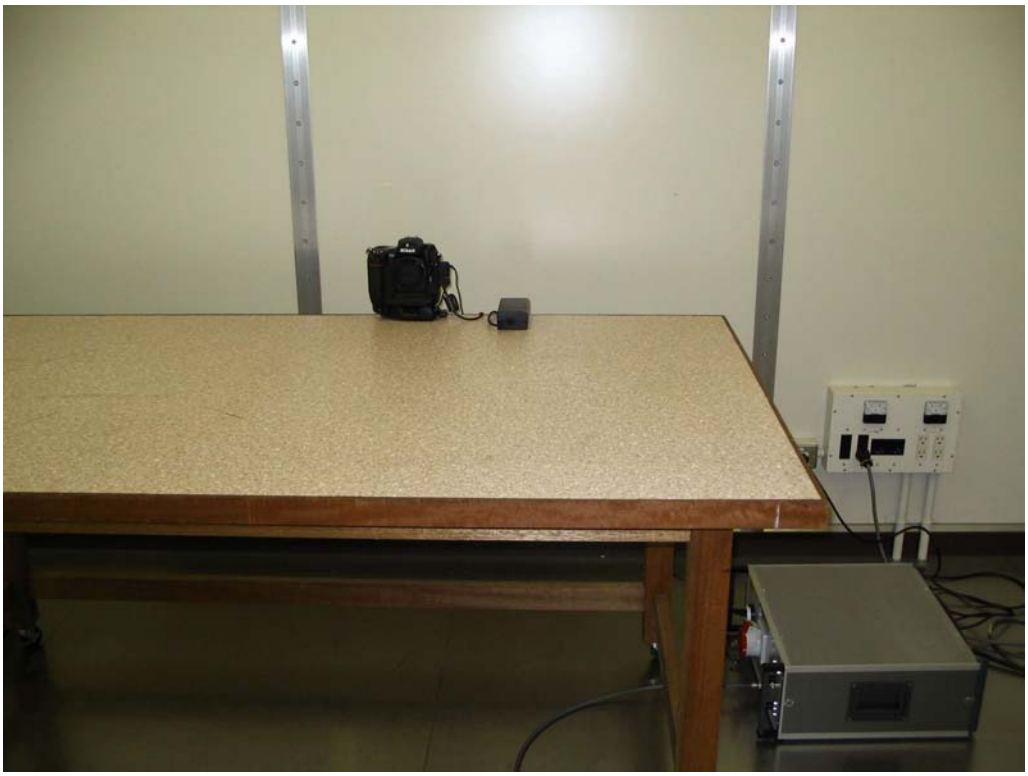
Test data : APPENDIX 2 Page 108 to 110
Test result : Pass
Test instruments : 1.0m length cable prepared by client, KTR-01

APPENDIX 1: Photographs of test setup

APPENDIX 2: Test Data

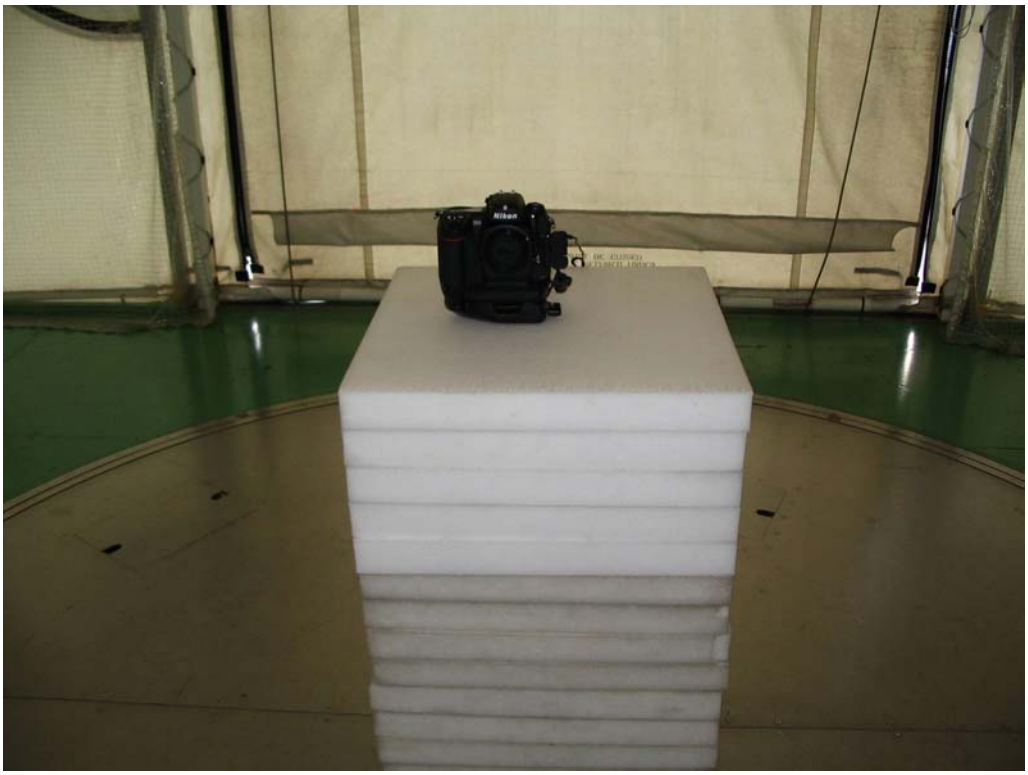
APPENDIX 3: Test instruments

Conducted emission (Part 1, Antenna model: WA-S1)

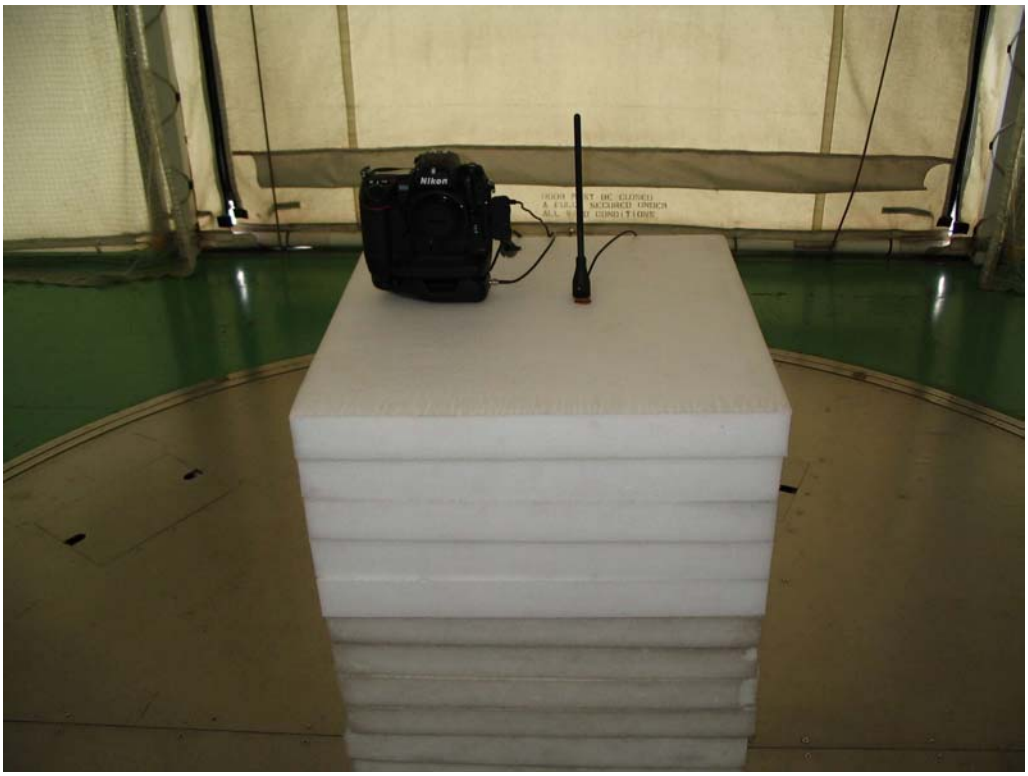


Conducted emission (Part 2, Antenna model: WA-E1)

Radiated emission (Part 1, Antenna model: WA-S1)



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

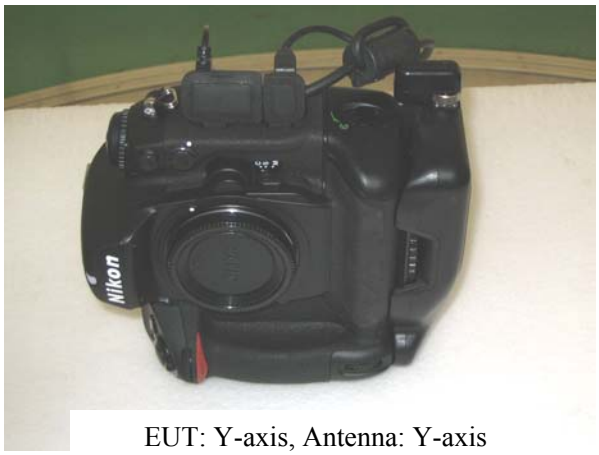


Pre check of worse-case position (Antenna model: WA-S1)

EUT: X-axis, Antenna: X-axis

EUT: X-axis, Antenna: Y-axis

EUT: Y-axis, Antenna: X-axis

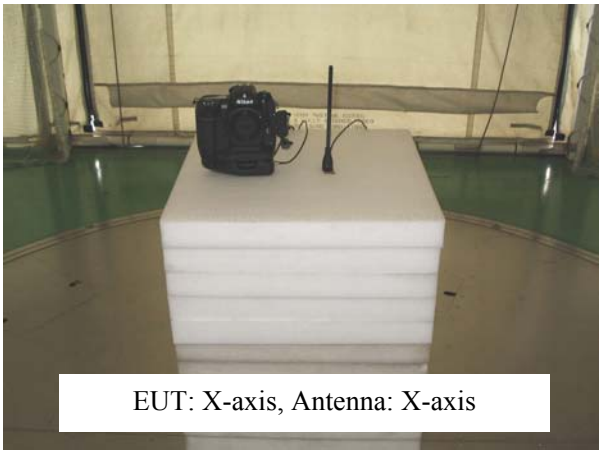


EUT: Y-axis, Antenna: Y-axis

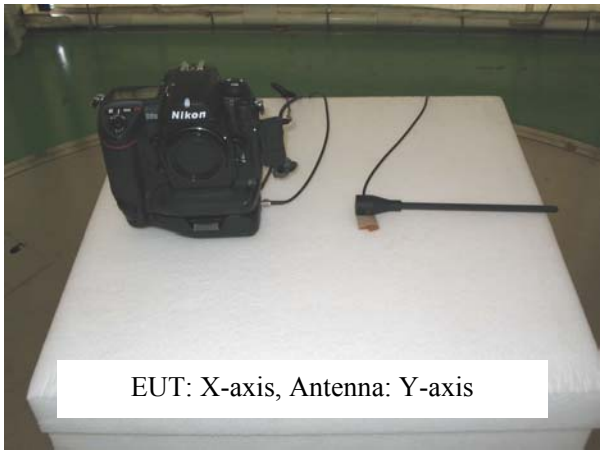
EUT: Z-axis, Antenna: X-axis

EUT: Z-axis, Antenna: Y-axis

Pre check of worse-case position (Antenna model: WA-E1)

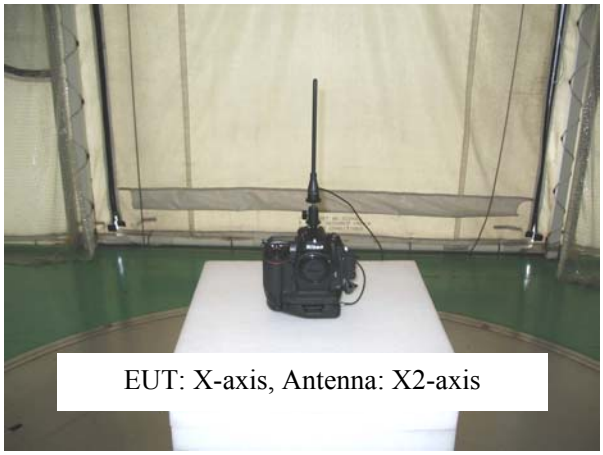


EUT: X-axis, Antenna: X-axis



EUT: X-axis, Antenna: Y-axis

EUT: Y-axis, Antenna: X-axis



EUT: X-axis, Antenna: X2-axis

EUT: Z-axis, Antenna: X-axis

EUT: Y-axis, Antenna: Y2-axis

DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting(CH1:2412MHz)
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-S1
Date	: 10/20/2004
Phase	: Single Phase
Temperature	: 24 °C Engineer : Takahiro Suzuki
Humidity	: 63 %
Regulation	: FCC Part15C §15.207. (CISPR Pub.22)

No.	FREQ. [MHz]	READING(N) QP [dBμV]	READING(N) AV [dBμV]	READING(L1) QP [dBμV]	READING(L1) AV [dBμV]	LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT QP [dBμV]	RESULT AV [dBμV]	LIMITS QP [dBμV]	LIMITS AV [dBμV]	MARGIN QP [dB]	MARGIN AV [dB]
1.	0.1760	37.7	-	36.1	-	0.1	0.1	0.0	37.9	-	64.7	54.7	26.8	-
2.	0.2910	30.4	-	30.7	-	0.1	0.1	0.0	30.9	-	60.5	50.5	29.6	-
3.	0.4640	32.6	-	32.4	-	0.1	0.2	0.0	32.9	-	56.6	46.6	23.7	-
4.	0.5240	31.9	-	31.7	-	0.1	0.2	0.0	32.2	-	56.0	46.0	23.8	-
5.	1.6324	25.6	-	25.9	-	0.2	0.3	0.0	26.4	-	56.0	46.0	29.6	-
6.	25.2770	30.3	-	29.6	-	1.2	2.0	0.0	33.5	-	60.0	50.0	26.5	-

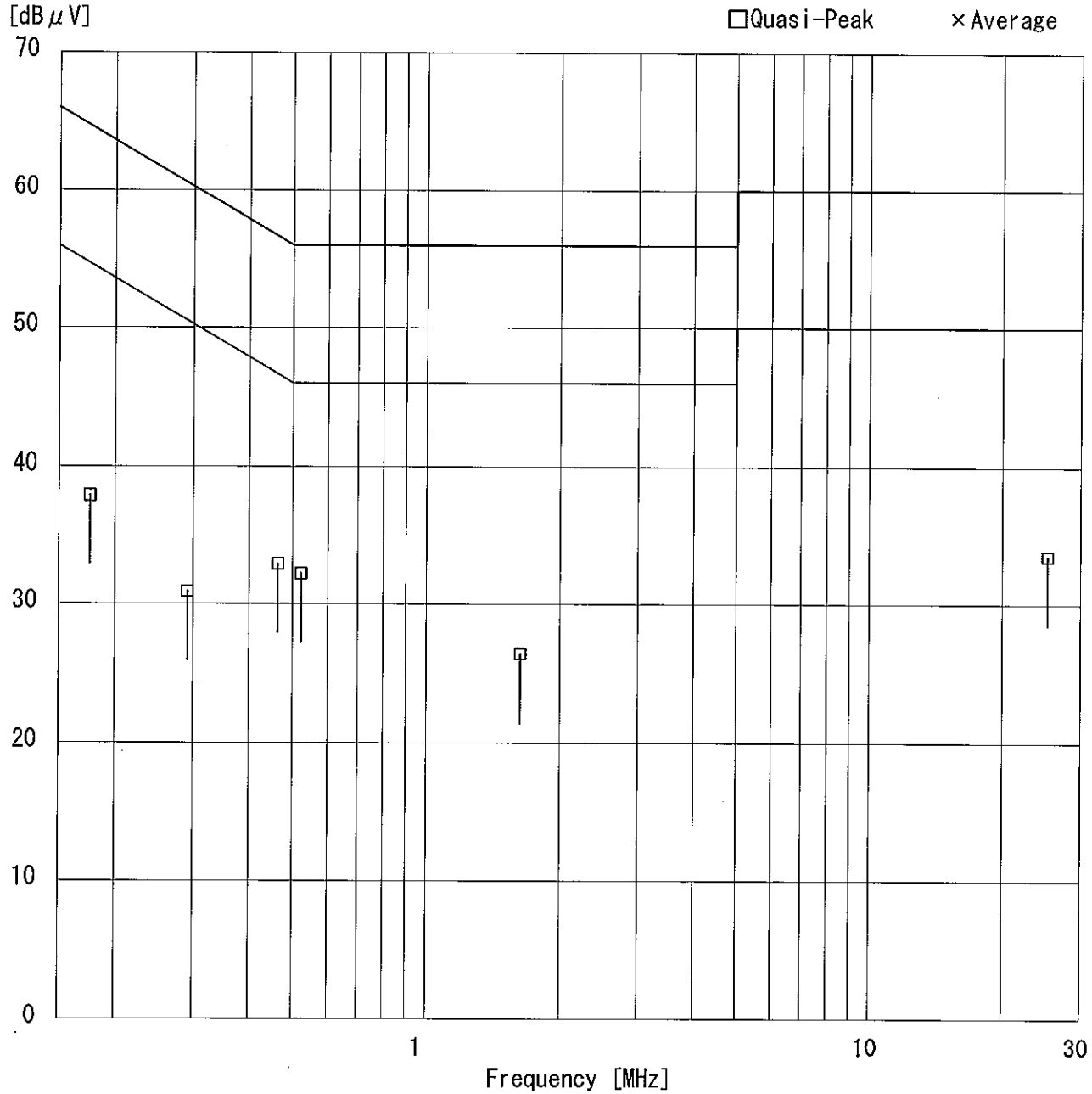
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■LISN :KLS-05(NSLK8126) ■COAXIAL CABLE:KCC-24/25/26/28
■EMI RECEIVER:KTR-01(ESI40) ■PULSE LIMITTER:KPL-02

DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK∞1

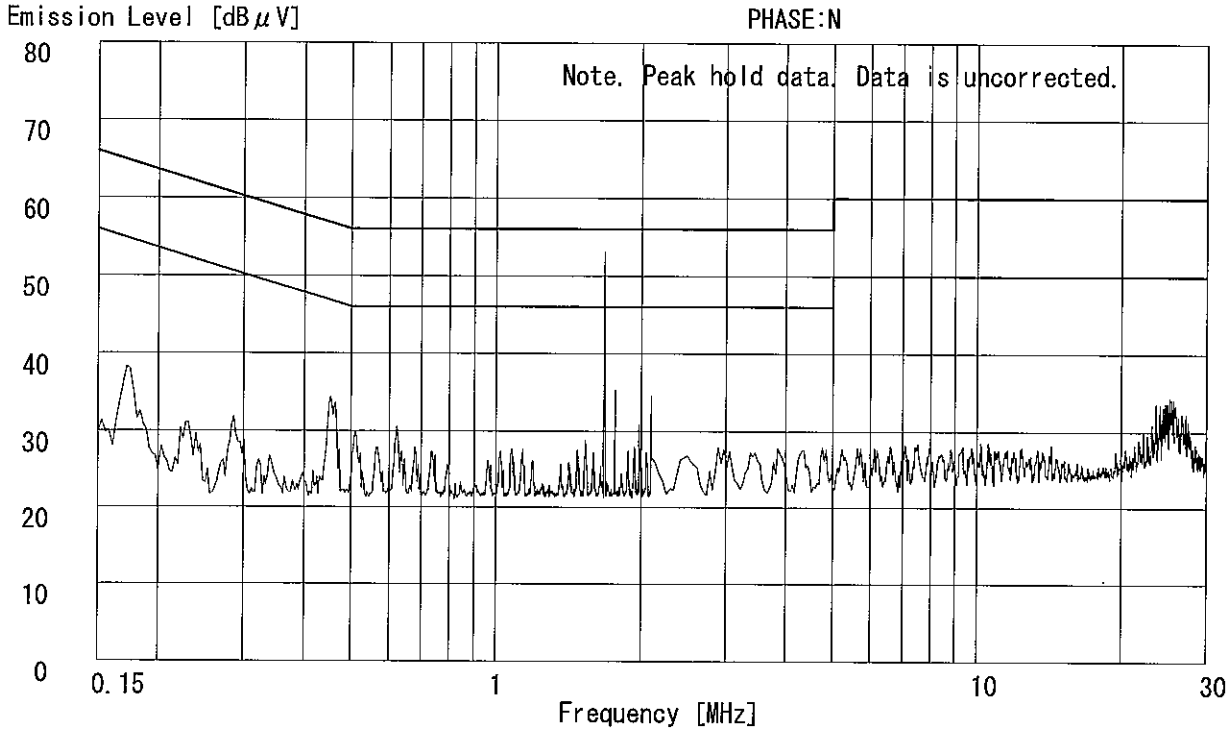
Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-S1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation	: FCC Part15C §15.207.(CISPR Pub.22)		

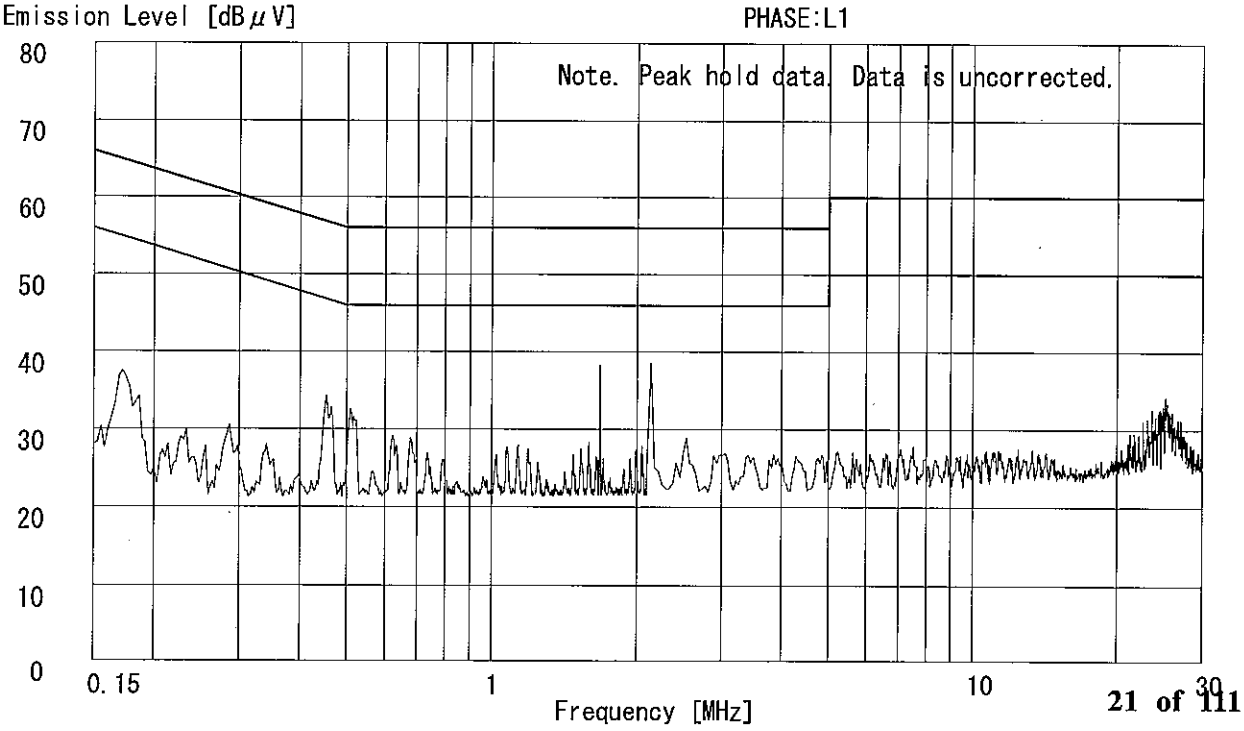


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK ➡ 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802. 11b(11Mbps)/Antenna model:WA-S1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207. (CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207. (CISPR Pub.22)		





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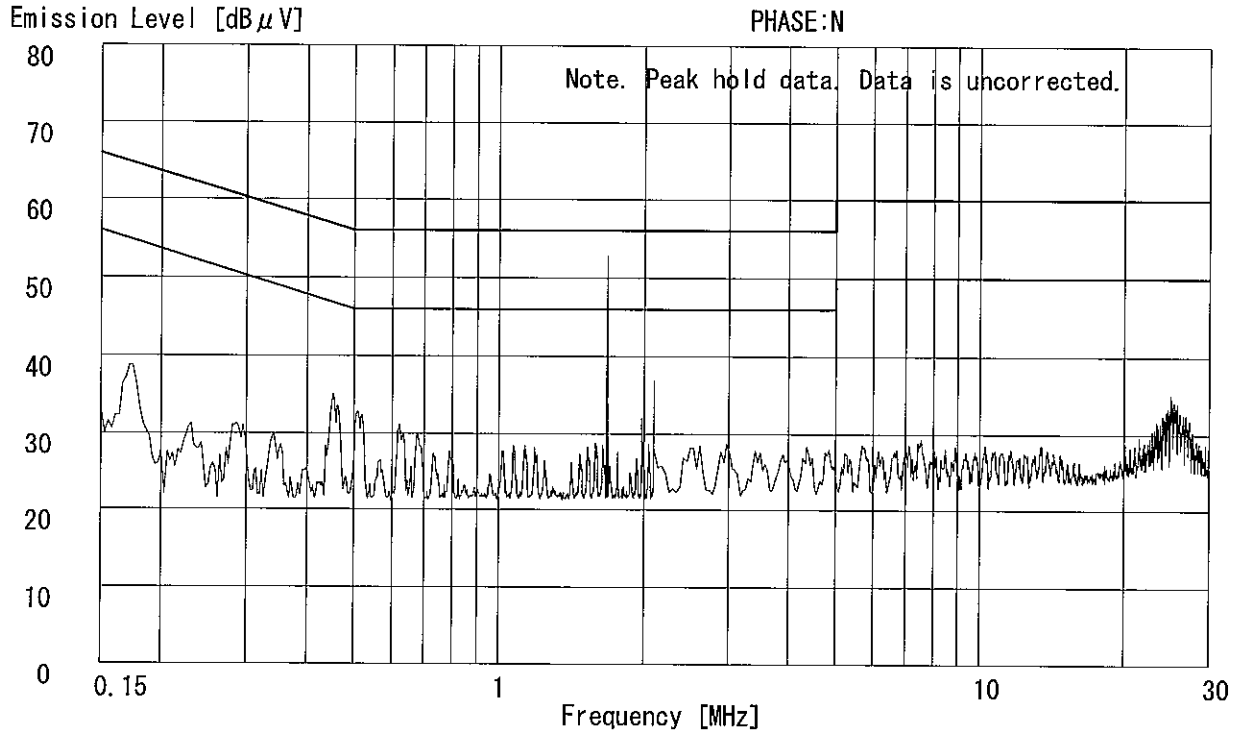
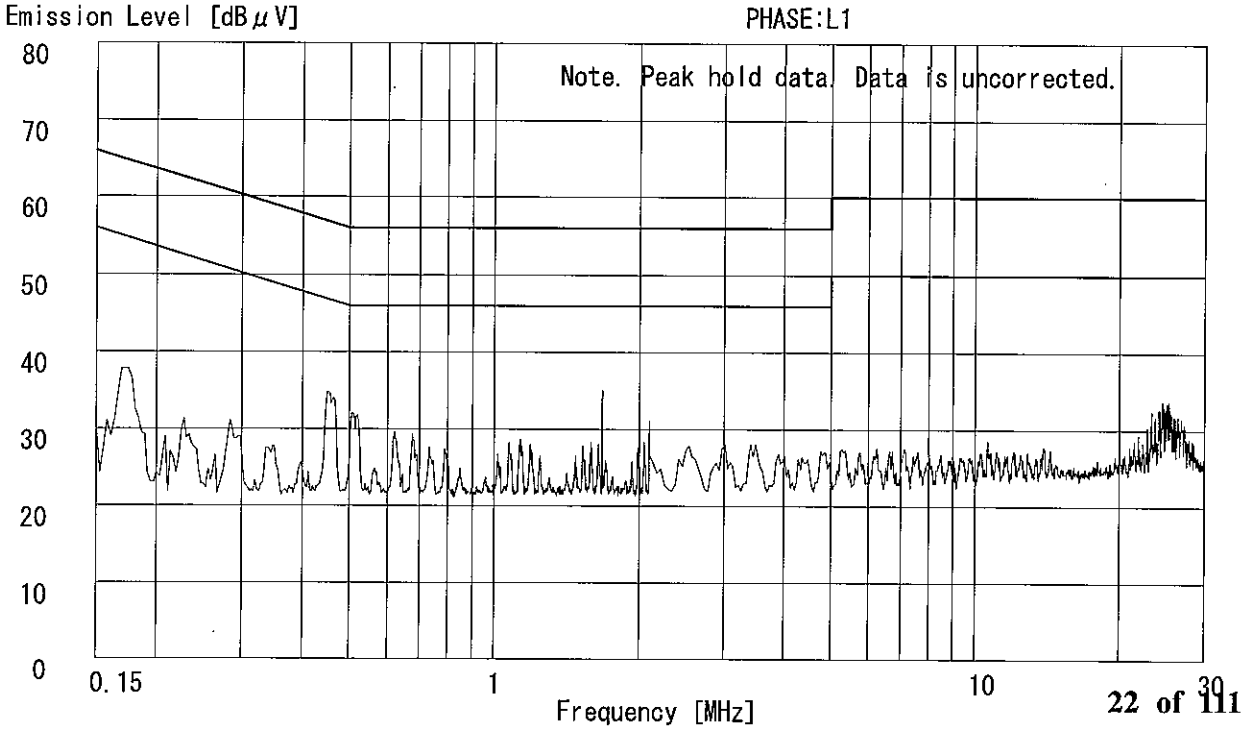
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH6:2437MHz)		
Remarks	: IEEE802. 11b(11Mbps)/Antenna model:WA-S1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207. (CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207. (CISPR Pub.22)		





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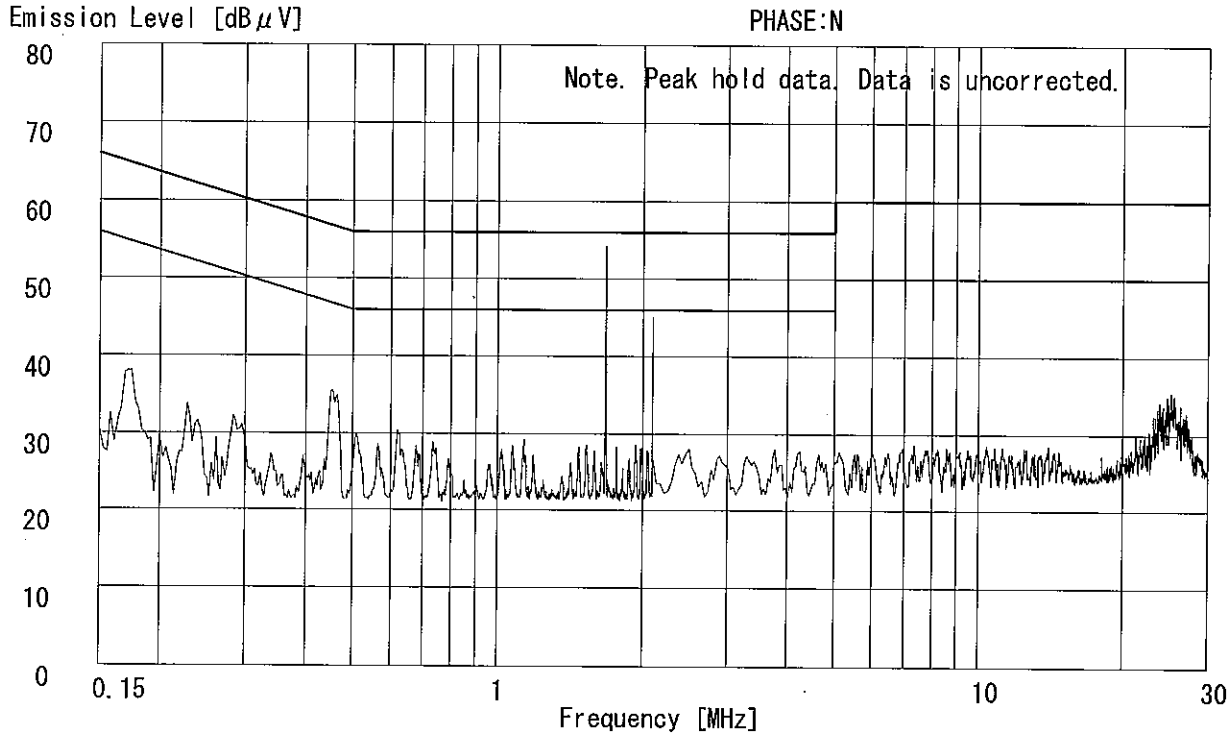
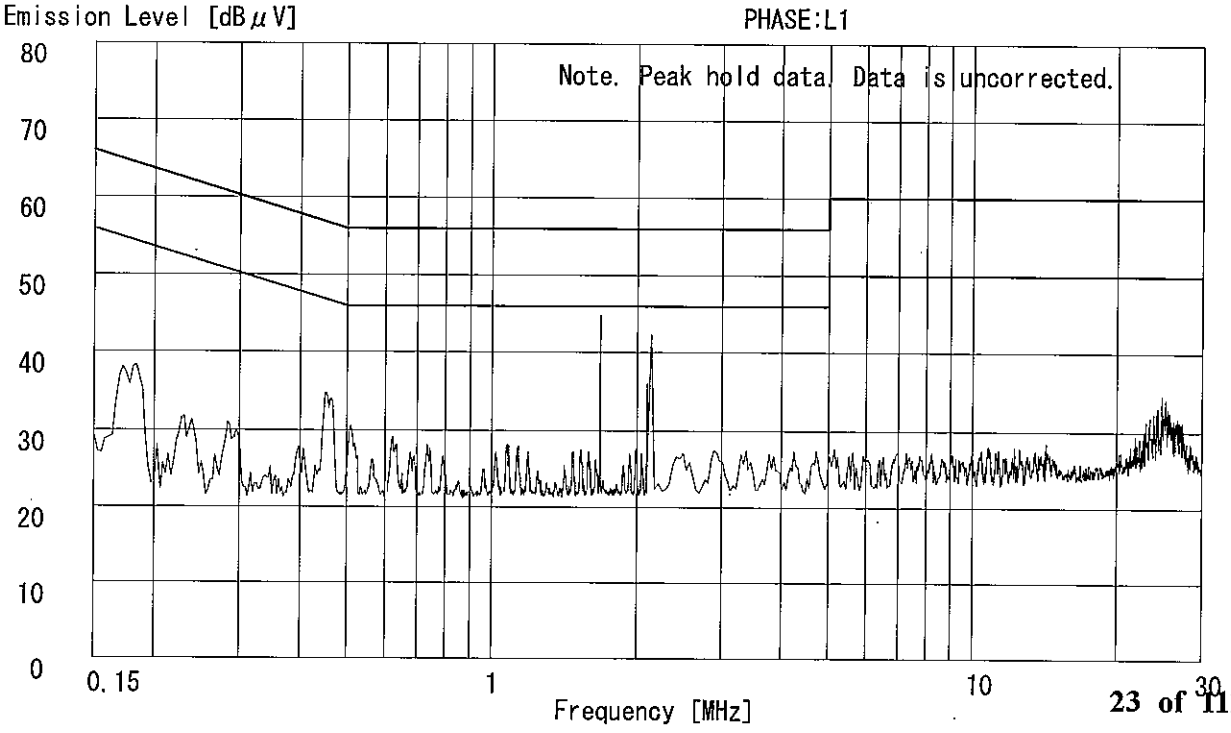
Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH11:2462MHz)		
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-S1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207.(CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207.(CISPR Pub.22)		





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Model No.	: WT-2A		
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Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-S1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation	: FCC Part15C §15.207.(CISPR Pub.22)		

No.	FREQ.	READING(N) QP	READING(N) AV	READING(L1) QP	READING(L1) AV	LISN FACTOR	CABLE LOSS	ATTEN.	RESULT QP	RESULT AV	LIMITS QP	LIMITS AV	MARGIN QP	MARGIN AV
	[MHz]	[dBμV]		[dBμV]		[dB]	[dB]	[dB]	[dB]		[dBμV]		[dB]	
1.	0.1760	37.2	-	35.5	-	0.1	0.1	0.0	37.4	-	64.7	54.7	27.3	-
2.	0.2904	32.3	-	30.9	-	0.1	0.1	0.0	32.5	-	60.5	50.5	28.0	-
3.	0.4635	35.5	-	35.4	-	0.1	0.2	0.0	35.8	-	56.6	46.6	20.8	-
4.	0.5253	30.1	-	30.7	-	0.1	0.2	0.0	31.0	-	56.0	46.0	25.0	-
5.	1.7223	28.9	-	29.6	-	0.2	0.3	0.0	30.1	-	56.0	46.0	25.9	-
6.	2.1504	27.0	-	27.3	-	0.2	0.4	0.0	27.9	-	56.0	46.0	28.1	-

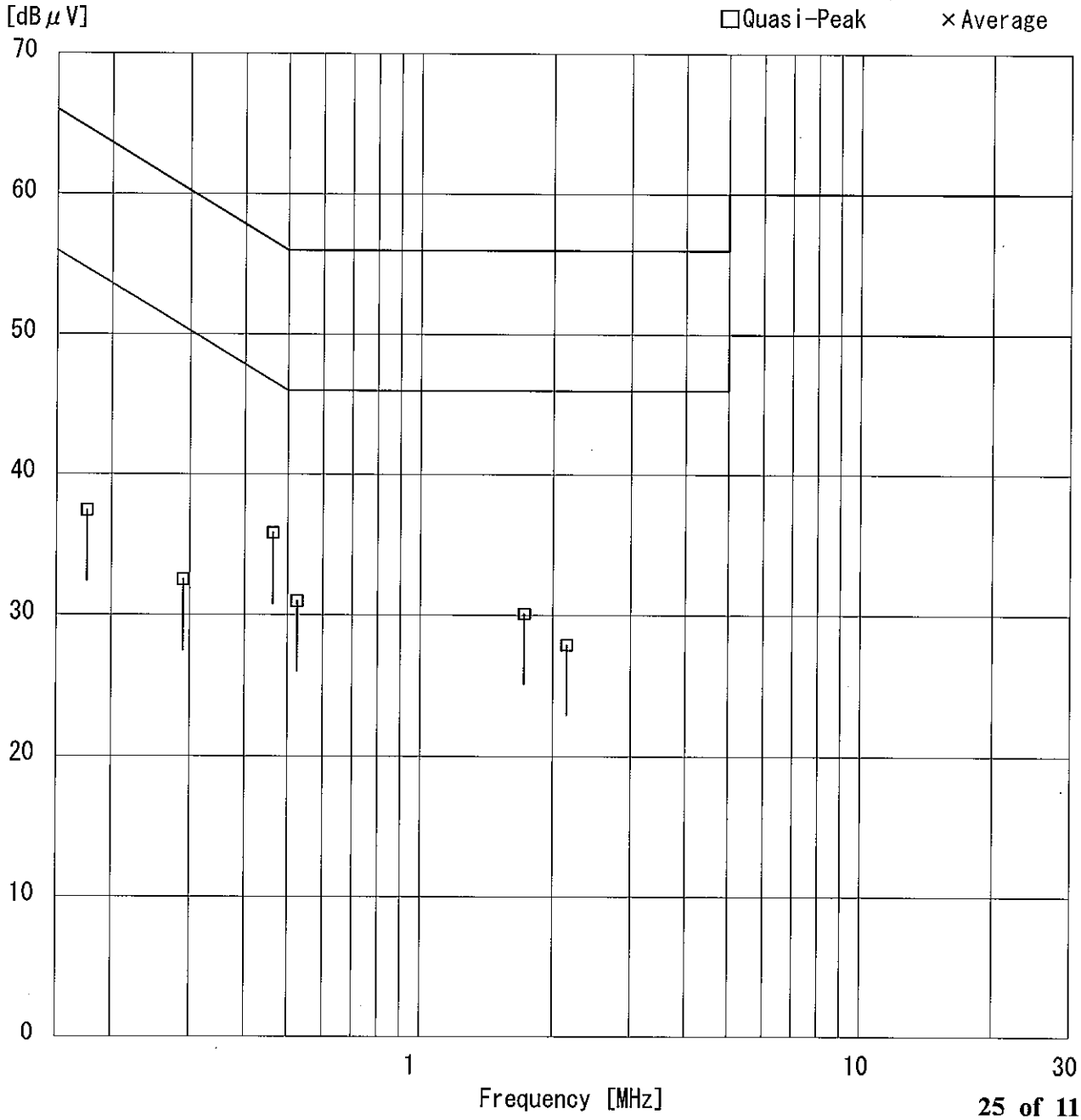
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■LISN :KLS-05(NSLK8126) ■COAXIAL CABLE:KCC-24/25/26/28
■EMI RECEIVER:KTR-01(ESI40) ■PULSE LIMITTER:KPL-02

DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK-1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-S1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation	: FCC Part15C §15.207.(CISPR Pub.22)		

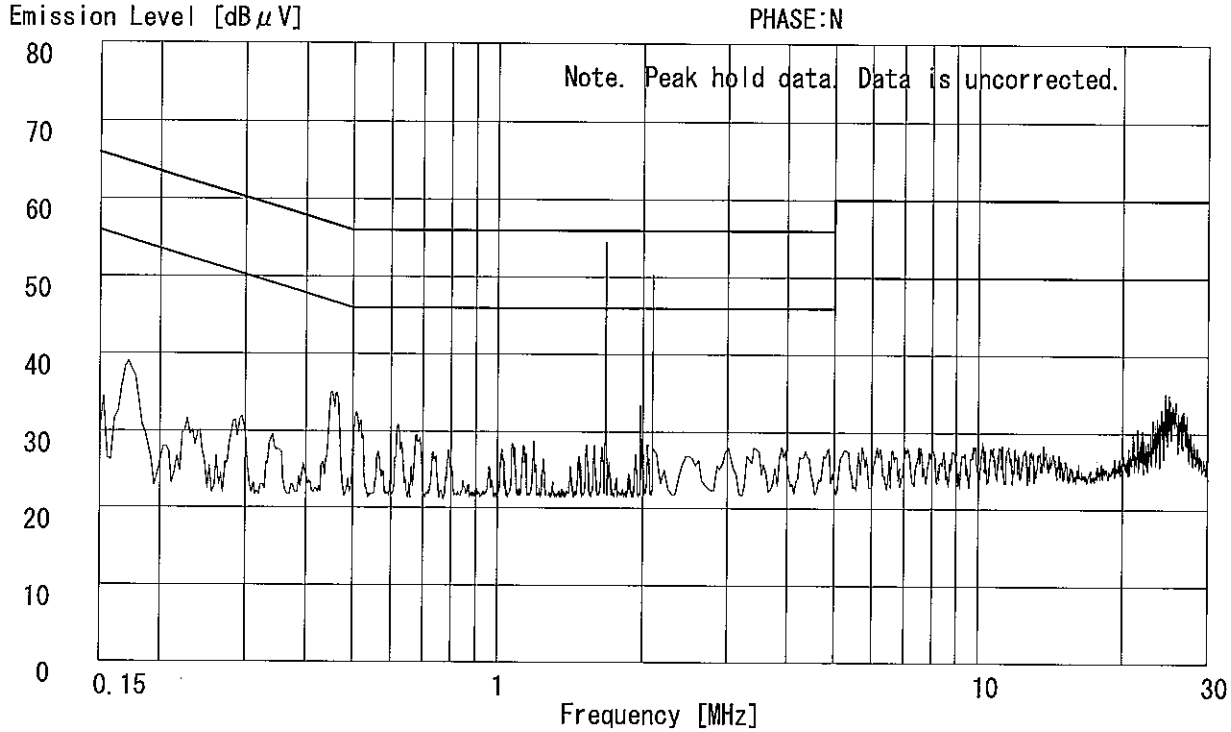


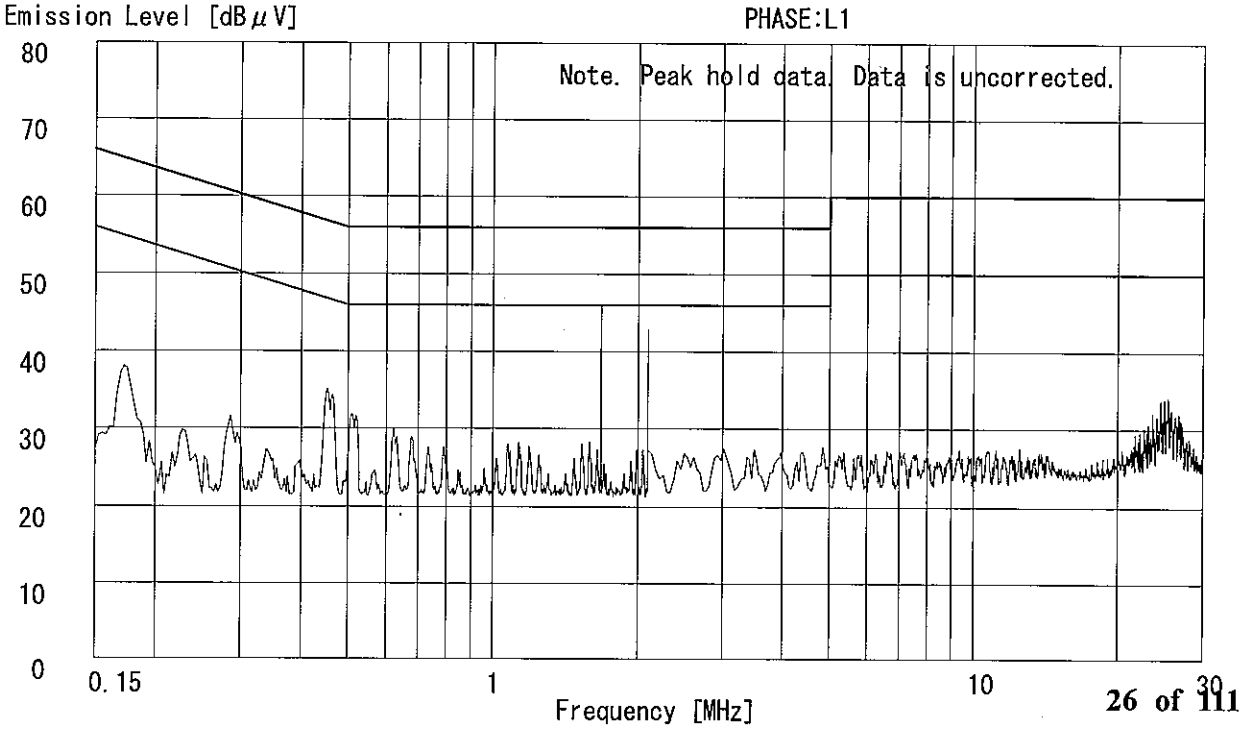
DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK-1

Applicant	:	NIKON CORPORATION
Kind of Equipment	:	Wireless Transmitter
Model No.	:	WT-2A
Serial No.	:	230001
Power	:	AC120V/60Hz
Mode	:	Transmitting(CH1:2412MHz)
Remarks	:	IEEE802.11g(54Mbps)/Antenna model:WA-S1
Date	:	10/20/2004
Phase	:	Single Phase
Temperature	:	24 ℃
Humidity	:	63 %
Regulation 1	:	FCC Part15C §15.207. (CISPR Pub.22)
Regulation 2	:	FCC Part15C §15.207. (CISPR Pub.22)

Engineer : Takahiro Suzuki

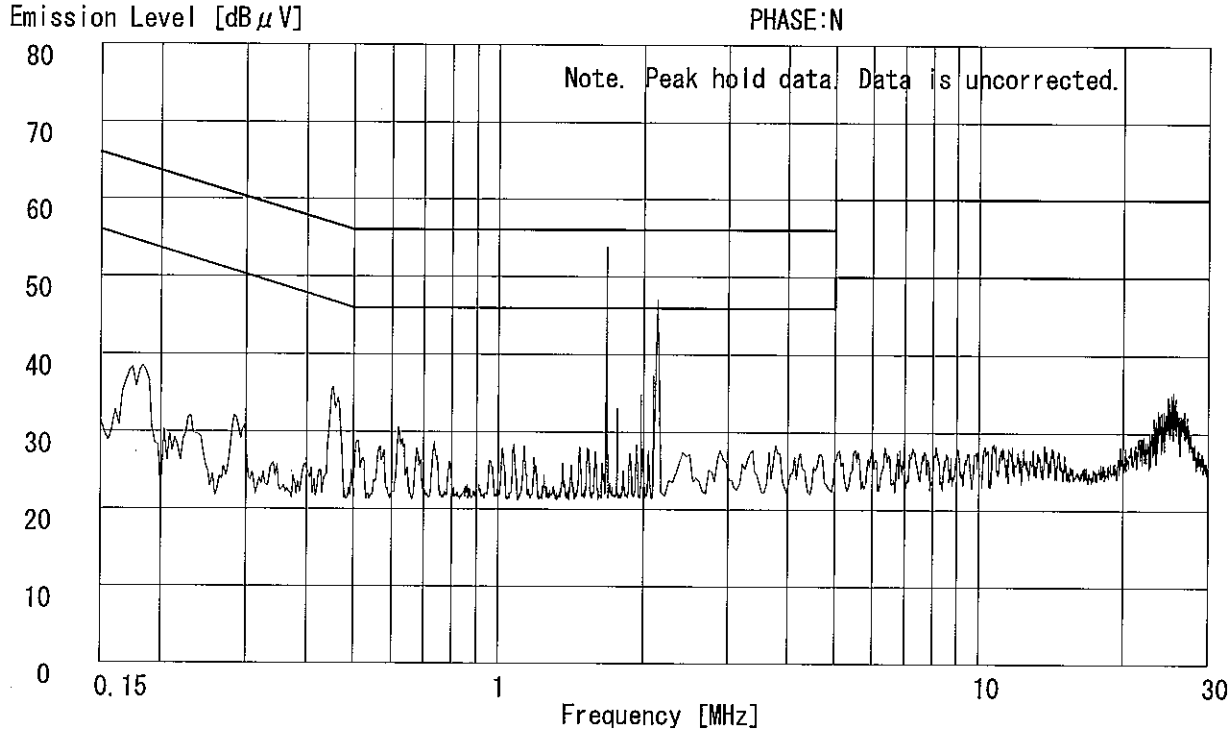


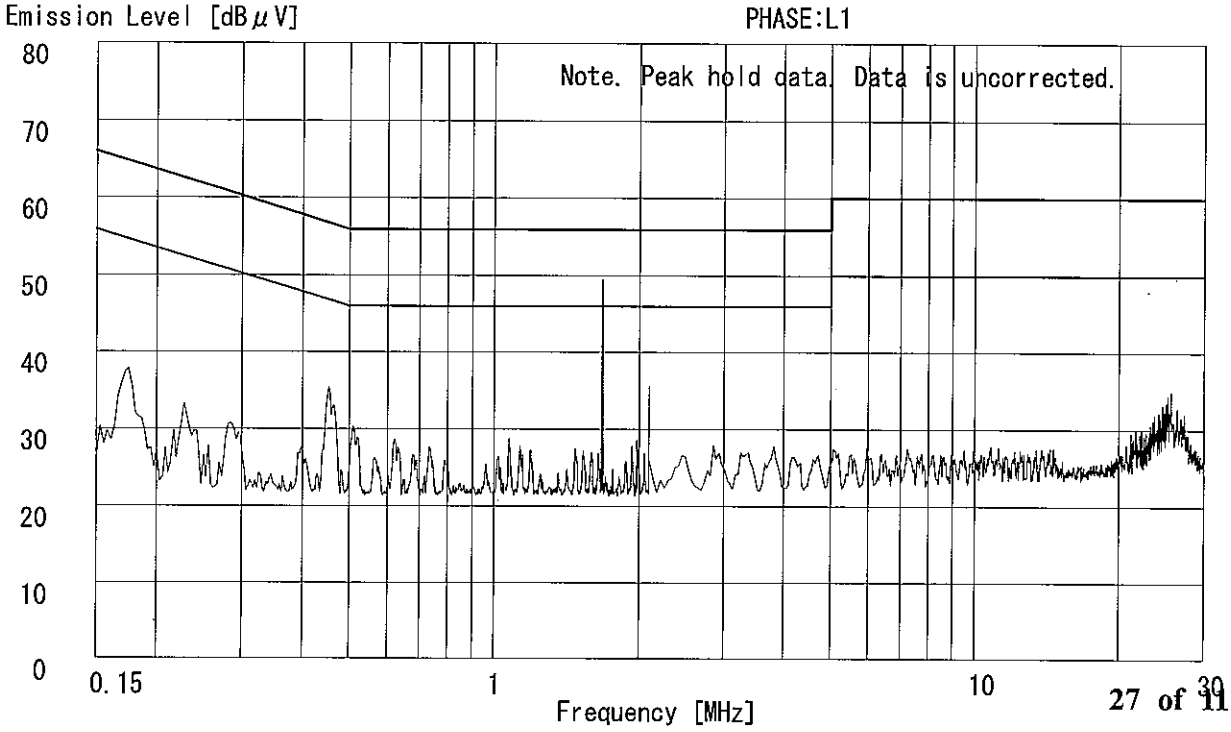


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No. : 25BE0195-YK Rev. 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH6:2437MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-S1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207.(CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207.(CISPR Pub.22)		

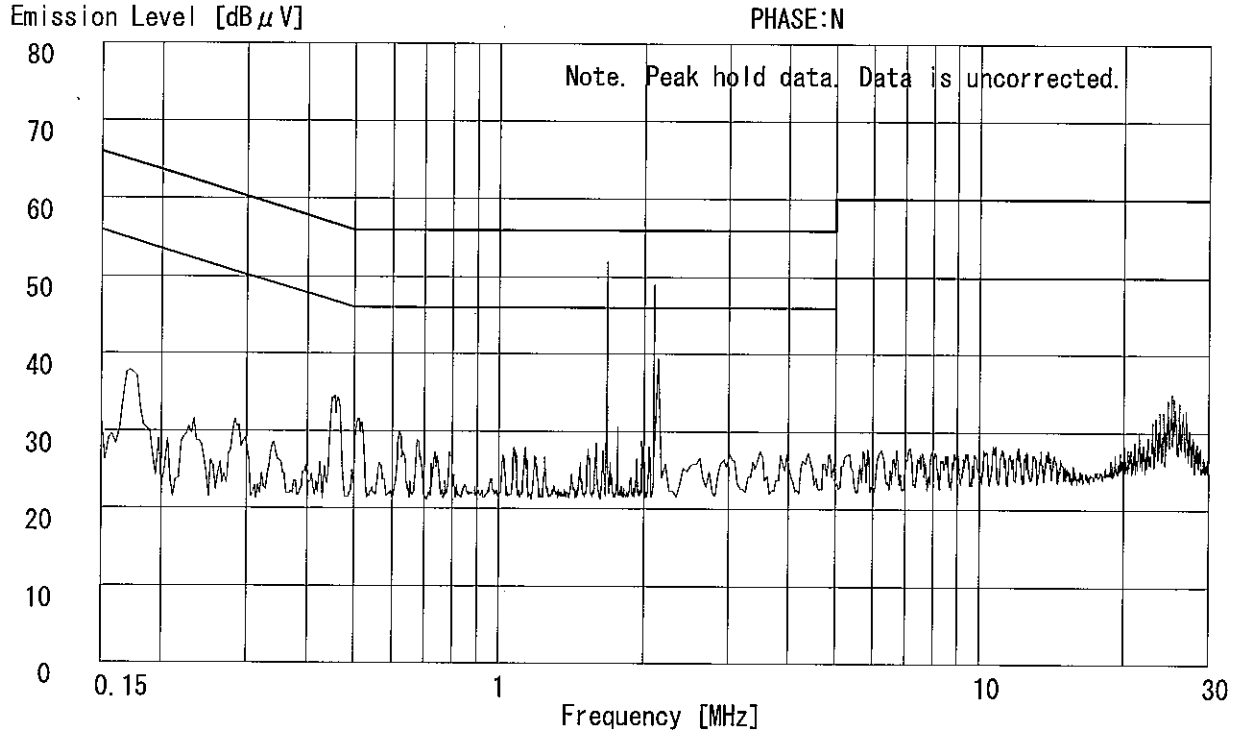


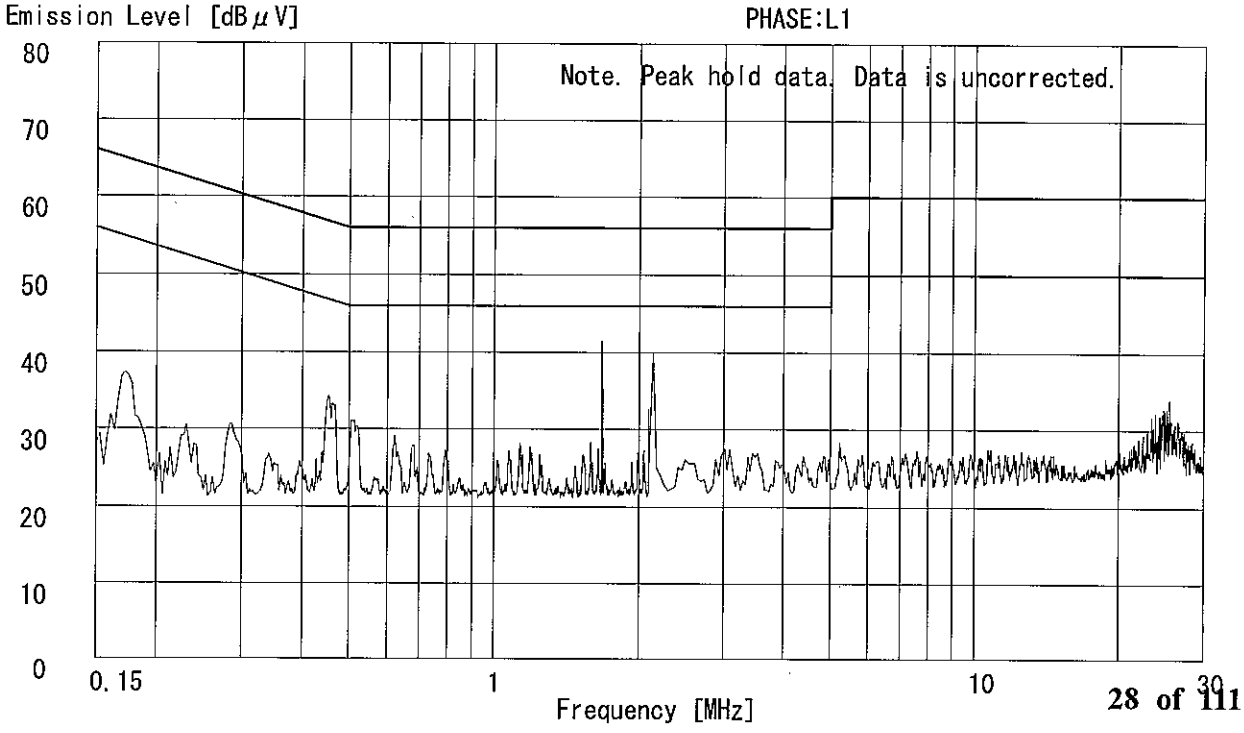


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK Rev.1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH11:2462MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-S1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207.(CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207.(CISPR Pub.22)		





DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK ➡ 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802. 11b(11Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation	: FCC Part15C §15.207.(CISPR Pub.22)		

No.	FREQ.	READING(N) QP	READING(N) AV	READING(L1) QP	READING(L1) AV	LISN FACTOR	CABLE LOSS	ATTEN.	RESULT QP	RESULT AV	LIMITS QP	LIMITS AV	MARGIN QP	MARGIN AV
	[MHz]	[dBμV]		[dBμV]		[dB]	[dB]	[dB]	[dB]	[dBμV]	[dBμV]		[dB]	
1.	0.1760	37.5	-	36.1	-	0.1	0.1	0.0	37.7	-	64.7	54.7	27.0	-
2.	0.2910	30.5	-	30.9	-	0.1	0.1	0.0	31.1	-	60.5	50.5	29.4	-
3.	0.4640	32.6	-	35.9	-	0.1	0.2	0.0	36.2	-	56.6	46.6	20.4	-
4.	0.5240	31.7	-	34.2	-	0.1	0.2	0.0	34.5	-	56.0	46.0	21.5	-
5.	1.6322	25.5	-	27.8	-	0.2	0.3	0.0	28.3	-	56.0	46.0	27.7	-
6.	23.7000	29.8	-	28.2	-	1.2	1.9	0.0	32.9	-	60.0	50.0	27.1	-

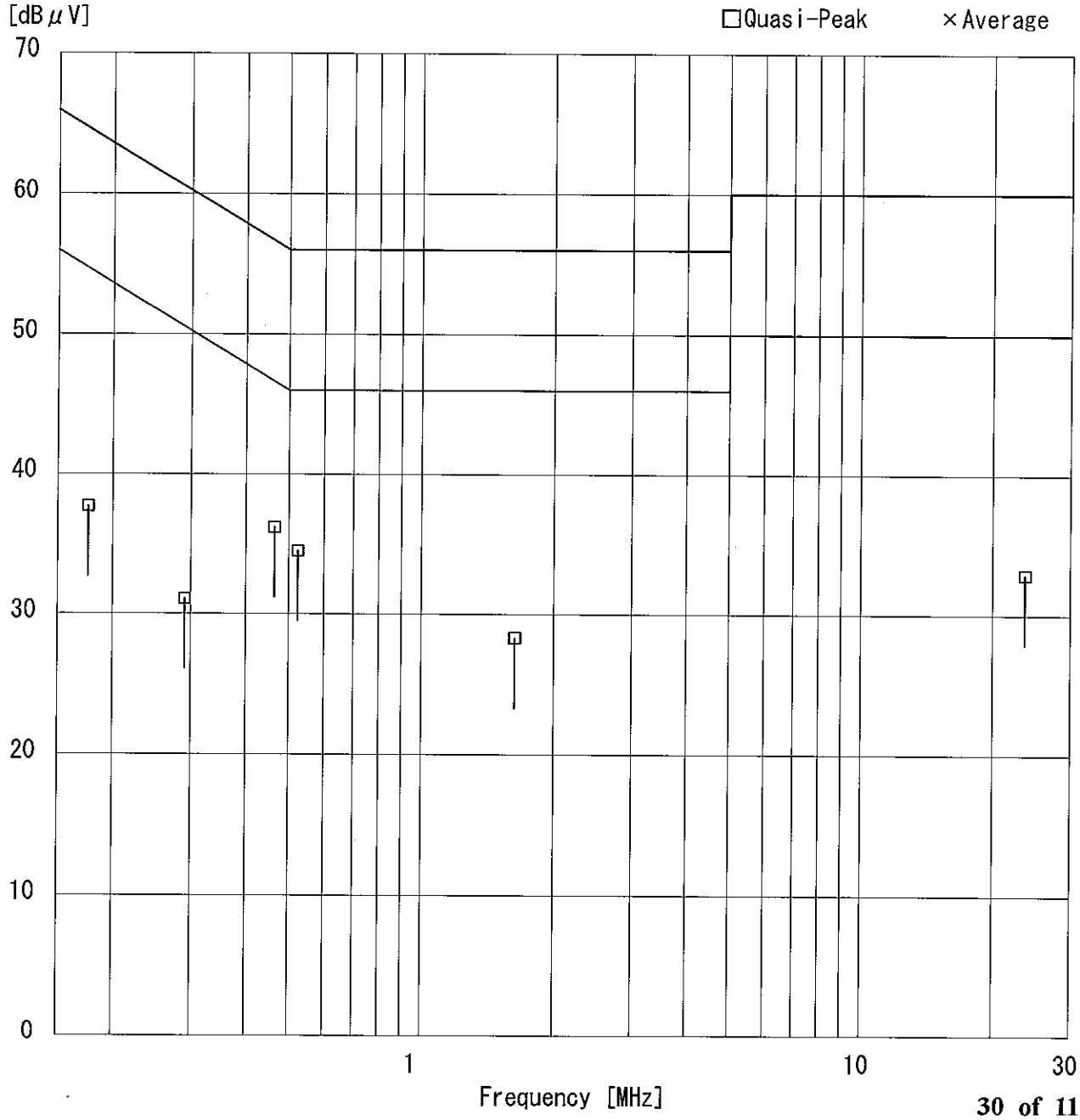
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■LISN :KLS-05(NSLK8126) ■COAXIAL CABLE:KCC-24/25/26/28
■EMI RECEIVER:KTR-01(ESI40) ■PULSE LIMITTER:KPL-02

DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK~~R~~1

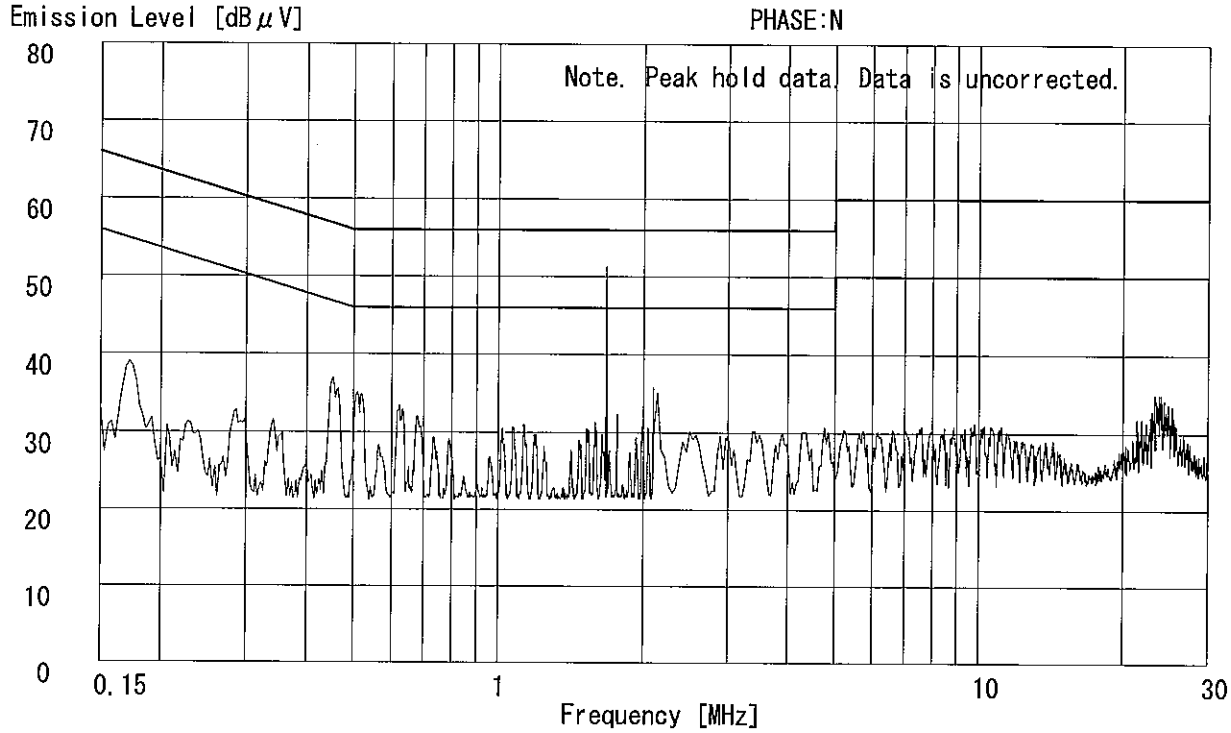
Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802. 11b(11Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation	: FCC Part15C §15.207.(CISPR Pub.22)		

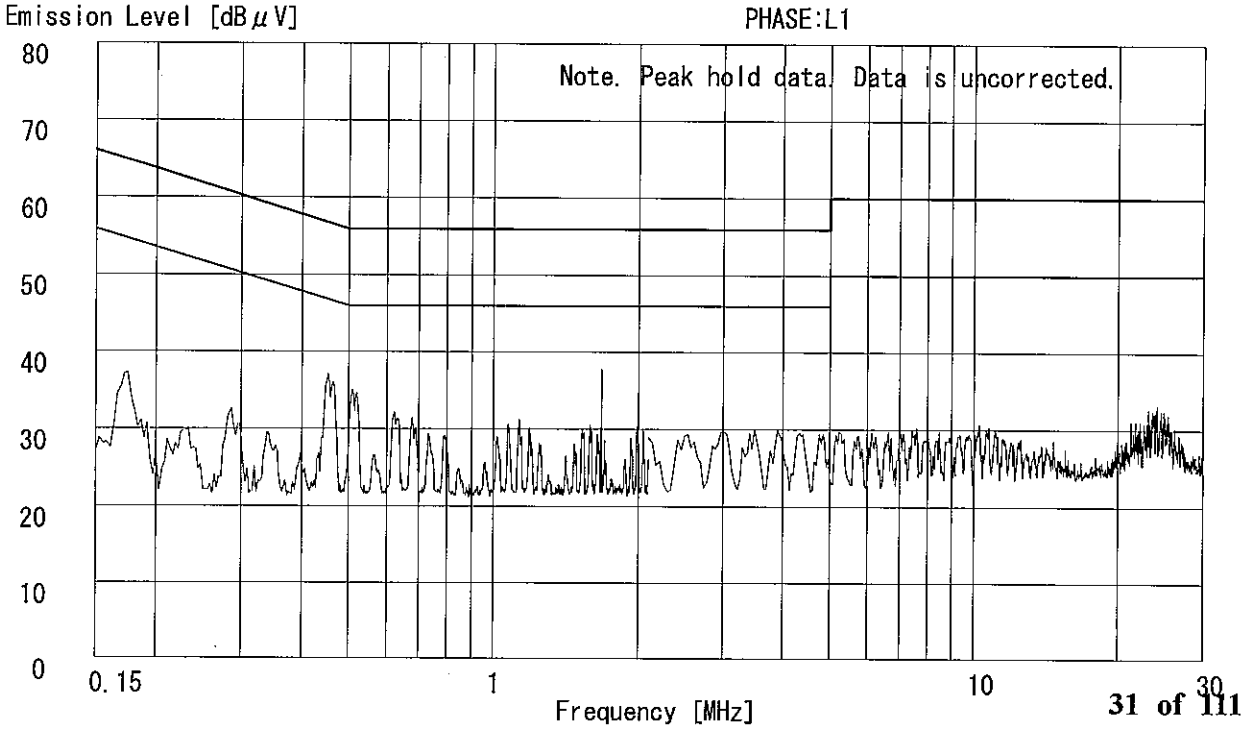


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK Rev.1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802. 11b(11Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207.(CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207.(CISPR Pub.22)		

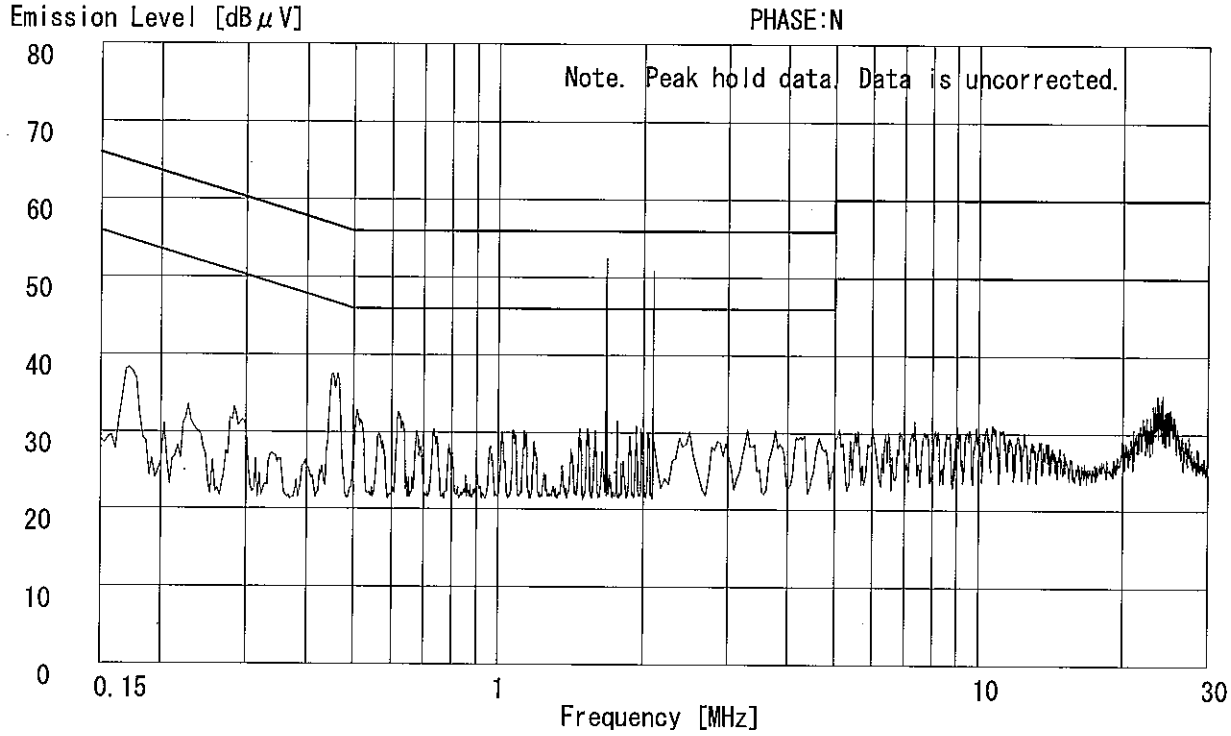


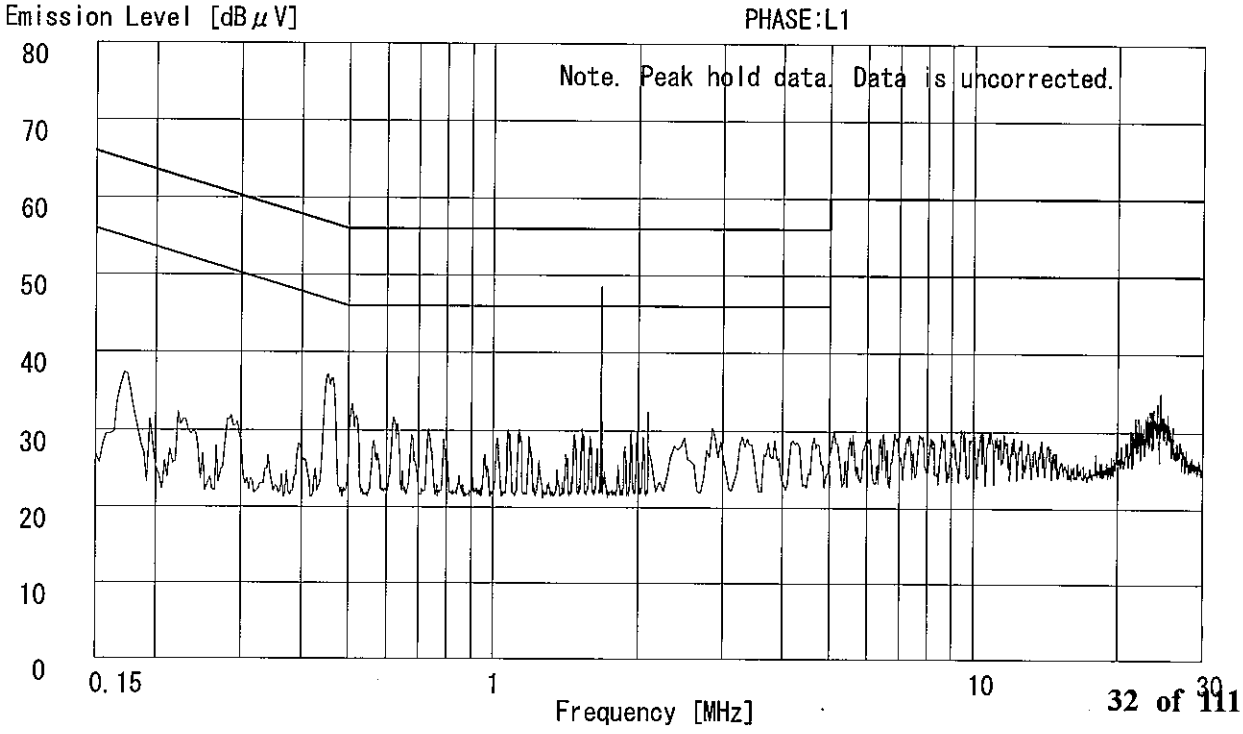


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK Rev. 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH6:2437MHz)		
Remarks	: IEEE802. 11b(11Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207. (CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207. (CISPR Pub.22)		

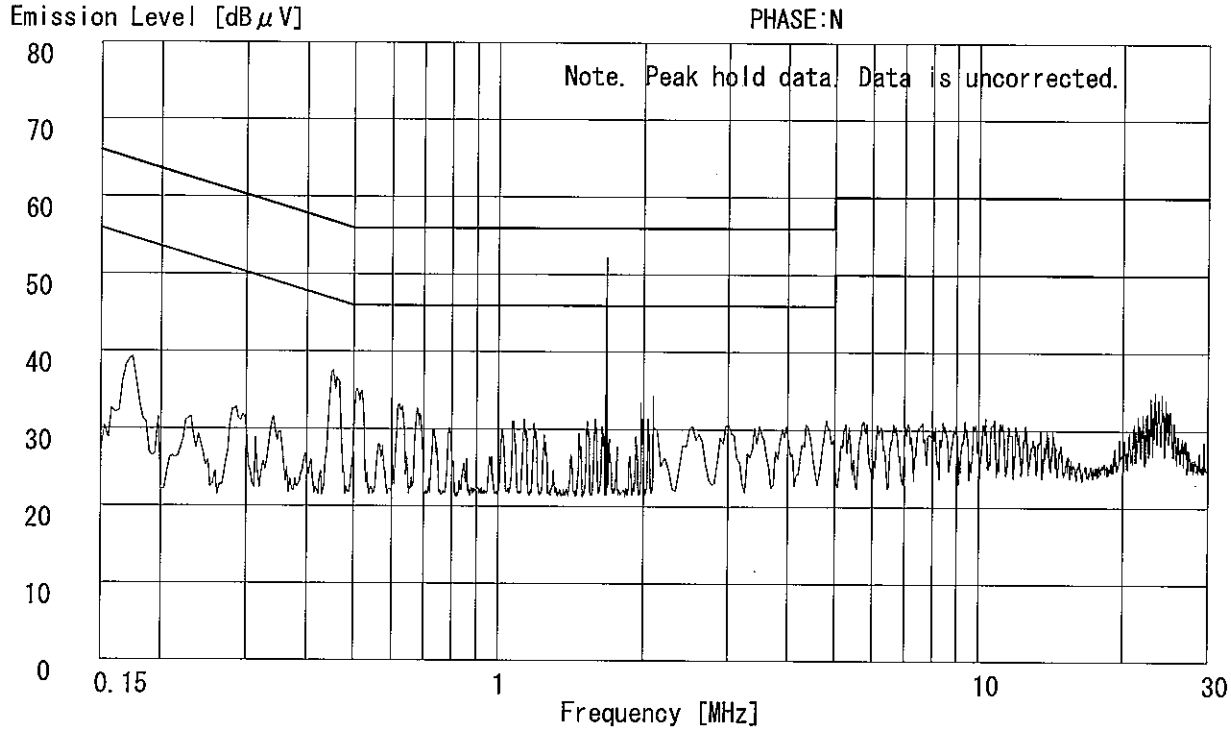


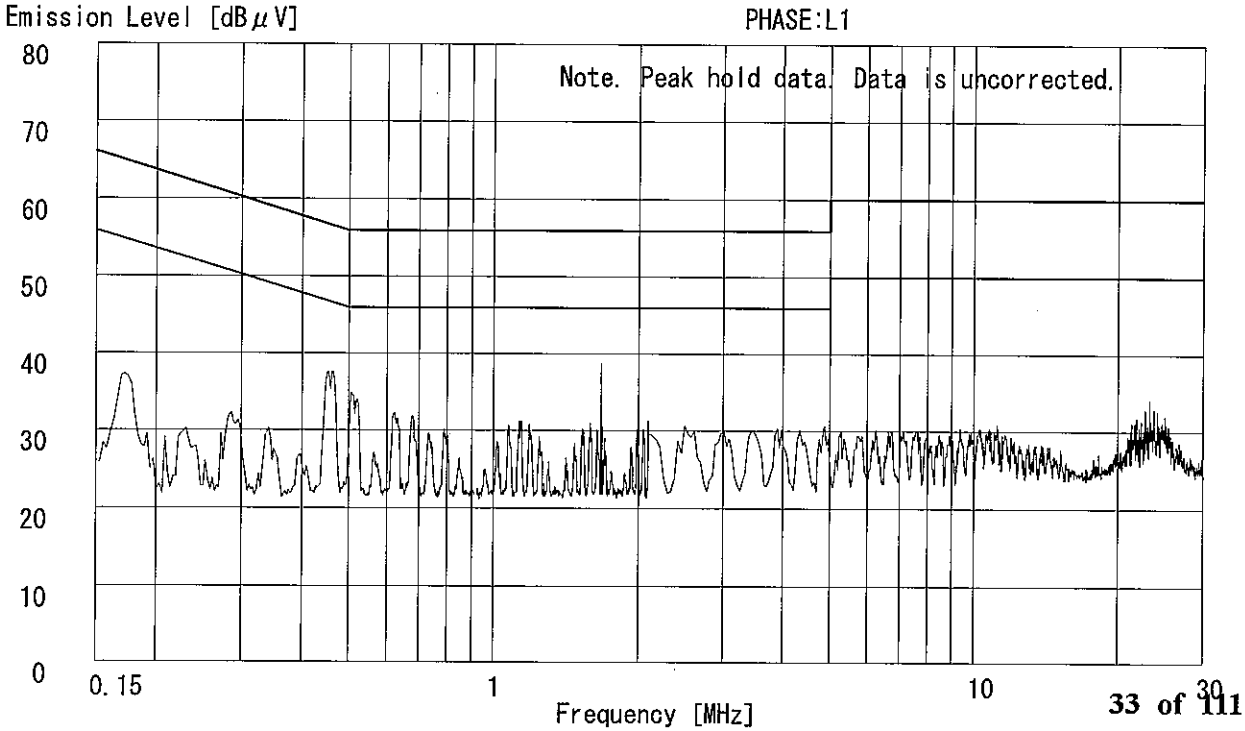


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No. : 25BE0195-YK ⇨ 1

Applicant	: NIKON CORPORATION	
Kind of Equipment	: Wireless Transmitter	
Model No.	: WT-2A	
Serial No.	: 230001	
Power	: AC120V/60Hz	
Mode	: Transmitting(CH11:2462MHz)	
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-E1	
Date	: 10/20/2004	
Phase	: Single Phase	
Temperature	: 24 ℃	Engineer : Takahiro Suzuki
Humidity	: 63 %	
Regulation 1	: FCC Part15C §15.207.(CISPR Pub.22)	
Regulation 2	: FCC Part15C §15.207.(CISPR Pub.22)	





DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK Rev.1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation	: FCC Part15C §15.207.(CISPR Pub.22)		

No.	FREQ.	READING(N) QP	READING(N) AV	READING(L1) QP	READING(L1) AV	LISN FACTOR	CABLE LOSS	ATTEN.	RESULT QP	RESULT AV	LIMITS QP	LIMITS AV	MARGIN QP	MARGIN AV
	[MHz]	[dBμV]		[dBμV]		[dB]	[dB]	[dB]	[dB]	[dBμV]	[dBμV]		[dB]	
1.	0.1760	37.1	-	35.4	-	0.1	0.1	0.0	37.3	-	64.7	54.7	27.4	-
2.	0.2905	32.3	-	30.8	-	0.1	0.1	0.0	32.5	-	60.5	50.5	28.0	-
3.	0.4635	35.6	-	35.2	-	0.1	0.2	0.0	35.9	-	56.6	46.6	20.7	-
4.	0.5251	29.9	-	30.9	-	0.1	0.2	0.0	31.2	-	56.0	46.0	24.8	-
5.	1.7220	28.7	-	29.4	-	0.2	0.3	0.0	29.9	-	56.0	46.0	26.1	-
6.	2.1506	26.8	-	27.1	-	0.2	0.4	0.0	27.7	-	56.0	46.0	28.3	-

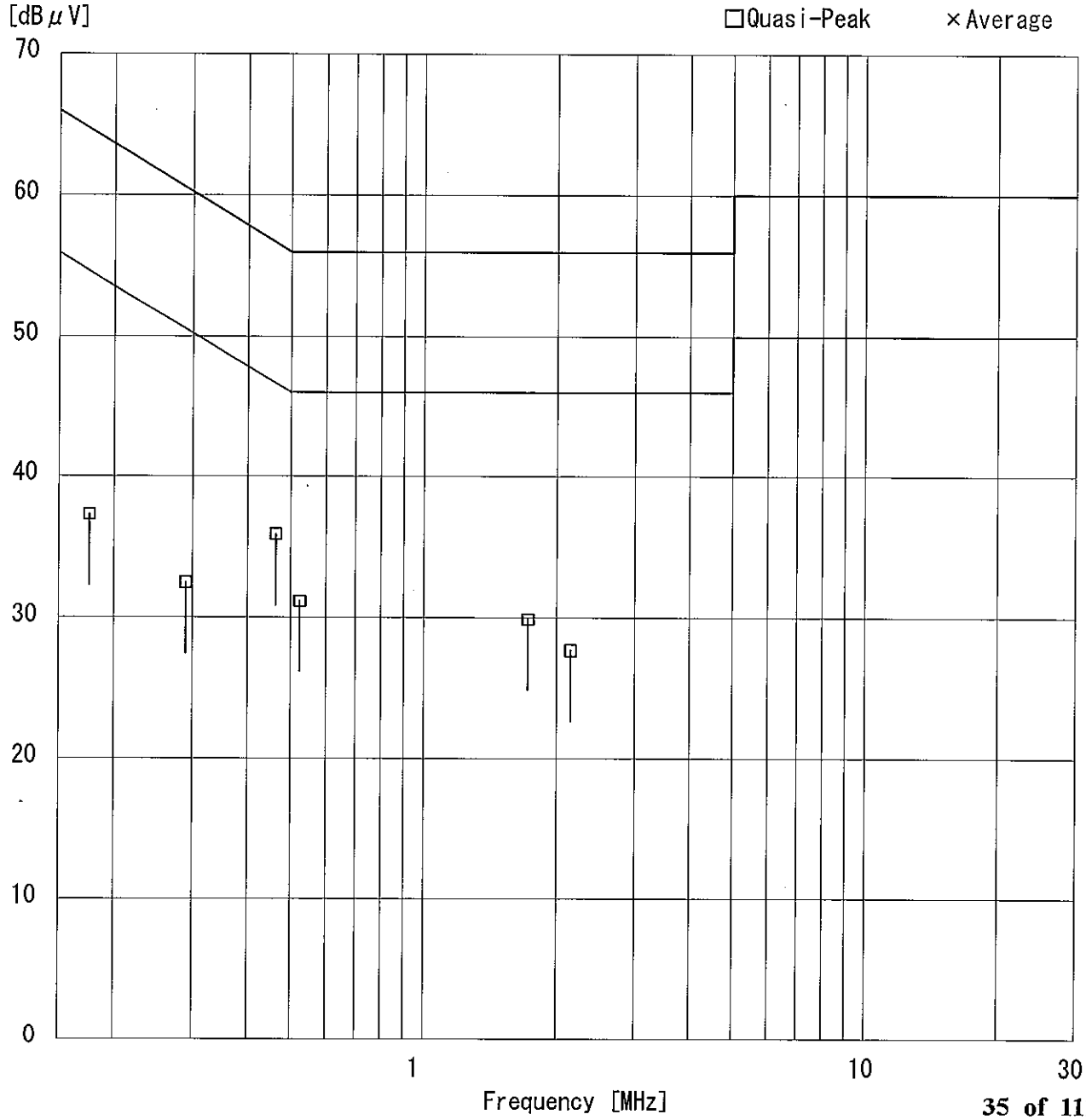
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■LISN :KLS-05(NSLK8126) ■COAXIAL CABLE:KCC-24/25/26/28
■EMI RECEIVER:KTR-01(ESI40) ■PULSE LIMITTER:KPL-02

DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK-1

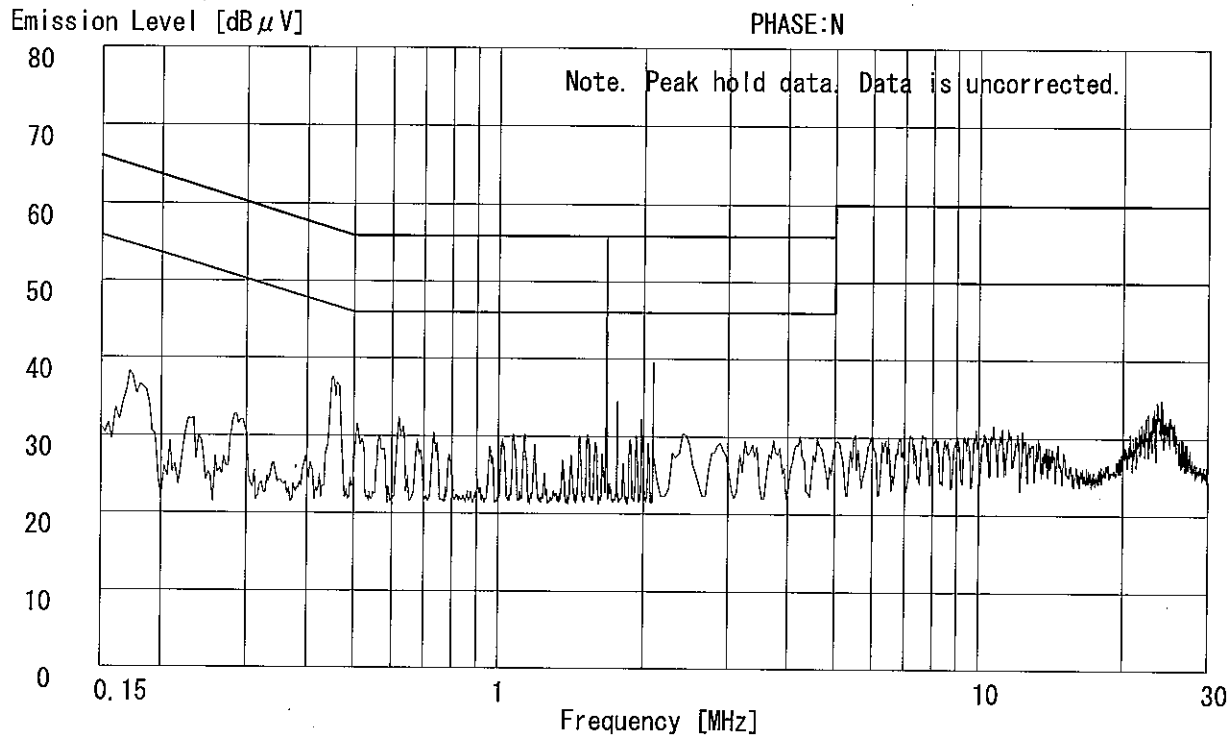
Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation	: FCC Part15C §15.207.(CISPR Pub.22)		

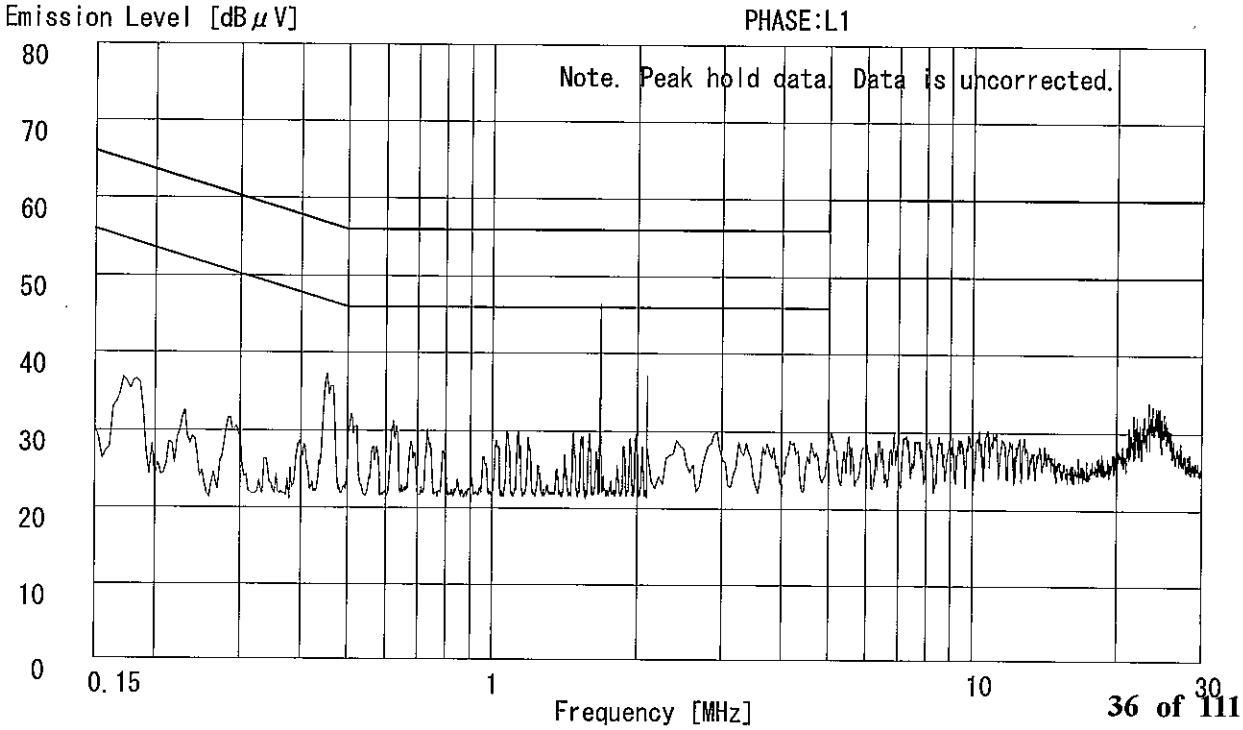


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207.(CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207.(CISPR Pub.22)		

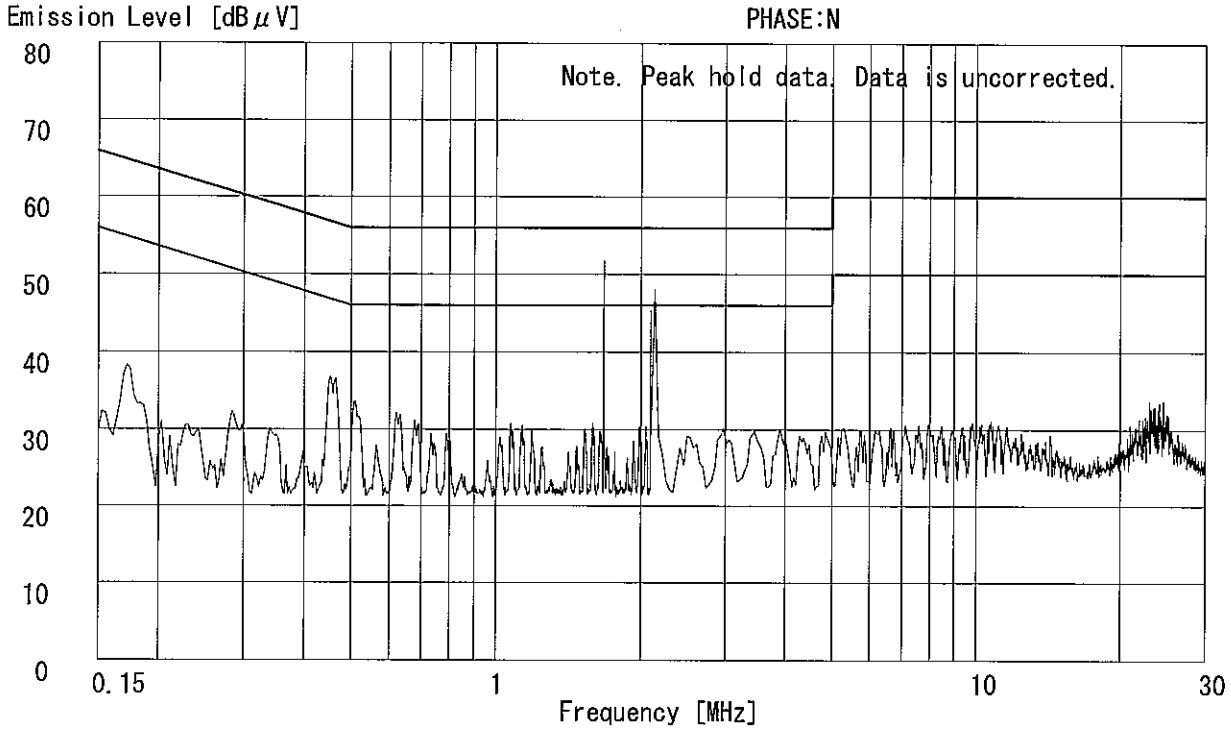


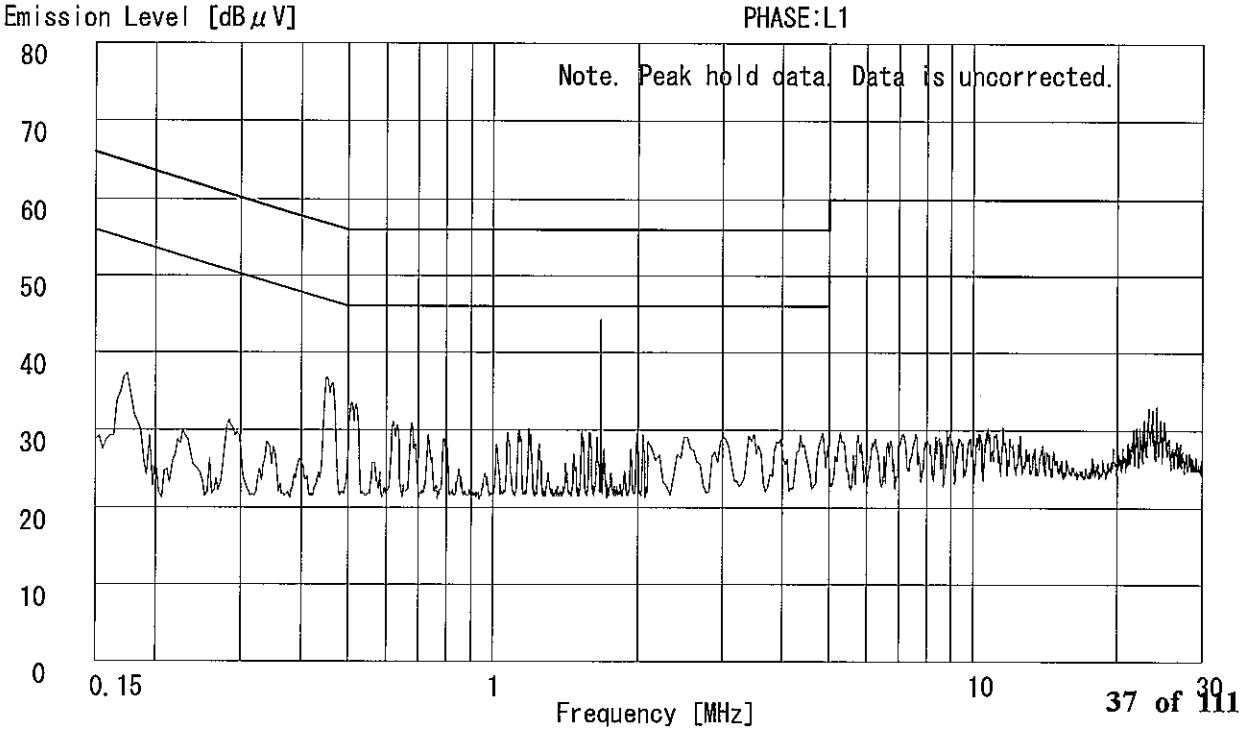


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK Rev.1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH6:2437MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207.(CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207.(CISPR Pub.22)		

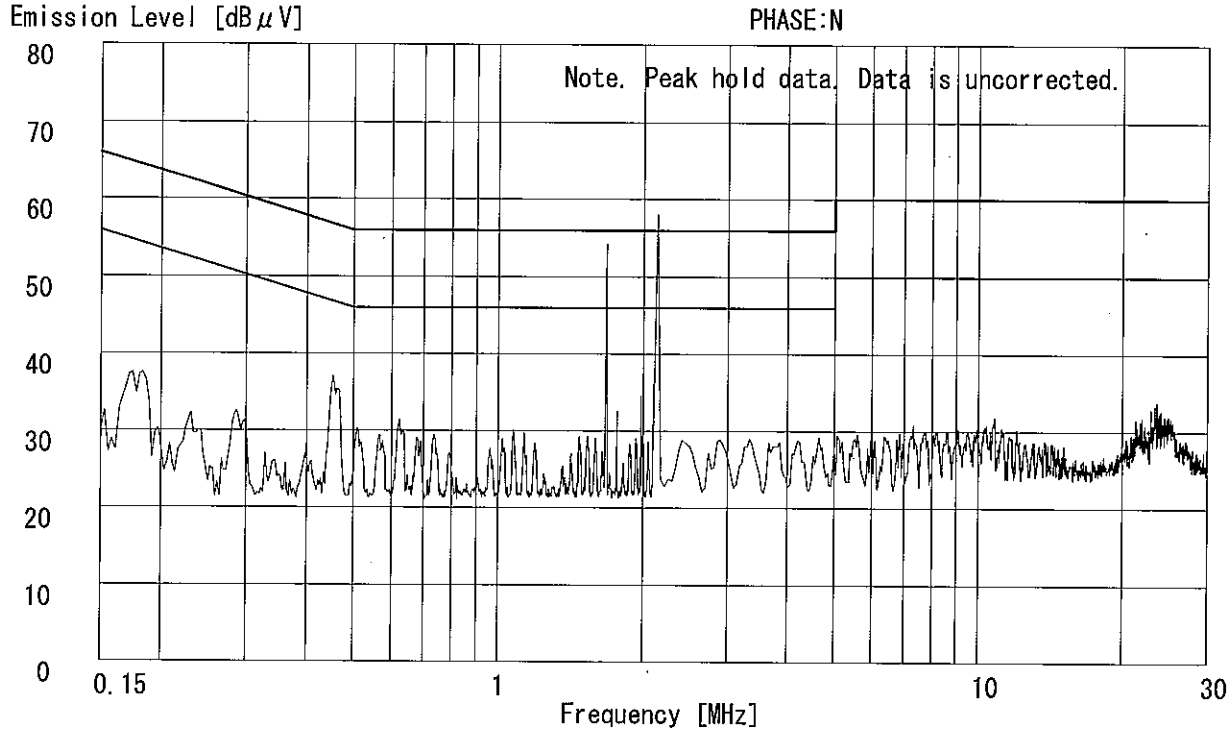


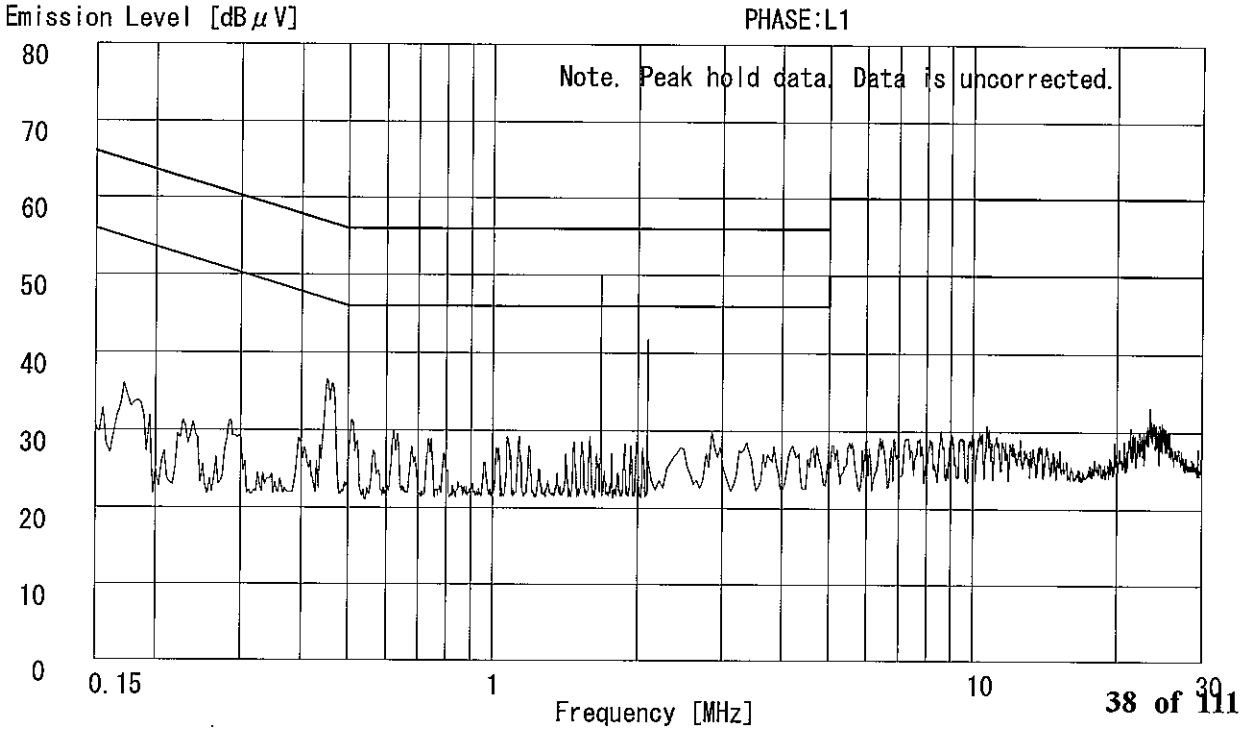


DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.3 SHIELD TEST ROOM
Report No.: 25BE0195-YK Rev.1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH11:2462MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-E1		
Date	: 10/20/2004		
Phase	: Single Phase		
Temperature	: 24 ℃	Engineer	: Takahiro Suzuki
Humidity	: 63 %		
Regulation 1	: FCC Part15C §15.207. (CISPR Pub.22)		
Regulation 2	: FCC Part15C §15.207. (CISPR Pub.22)		





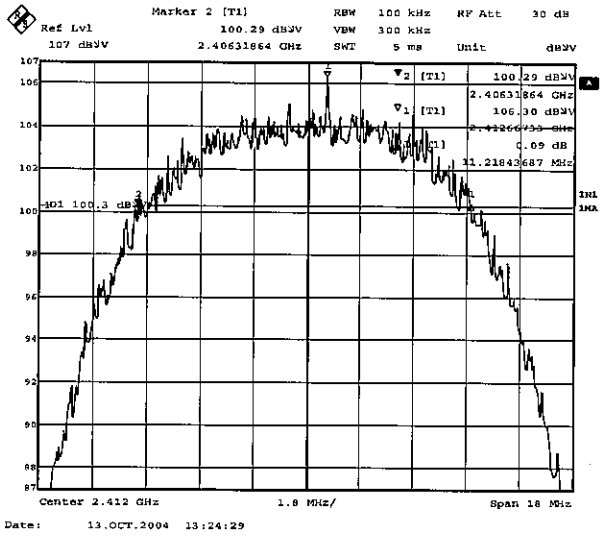
6dB Bandwidth: FCC 15.247(a)(2)

UL Apex Co.,Ltd. Yamakita No.5 Shielded Room

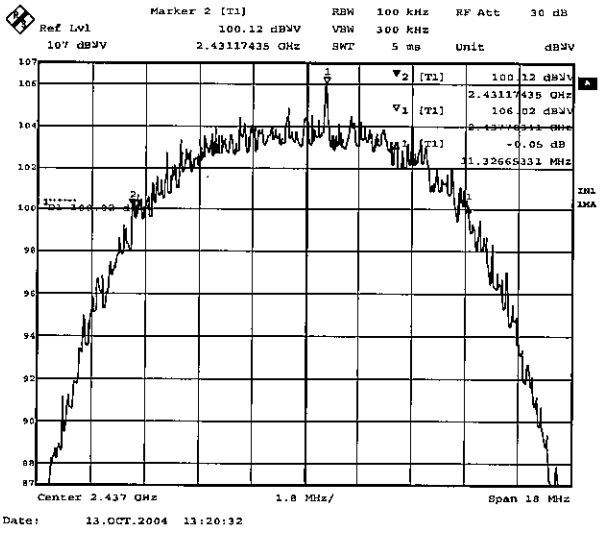
COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(a)(2)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/13
SERIAL NUMBER	: 230001	TEMP./HUMI	: 24℃/65%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11b(11Mbps)]

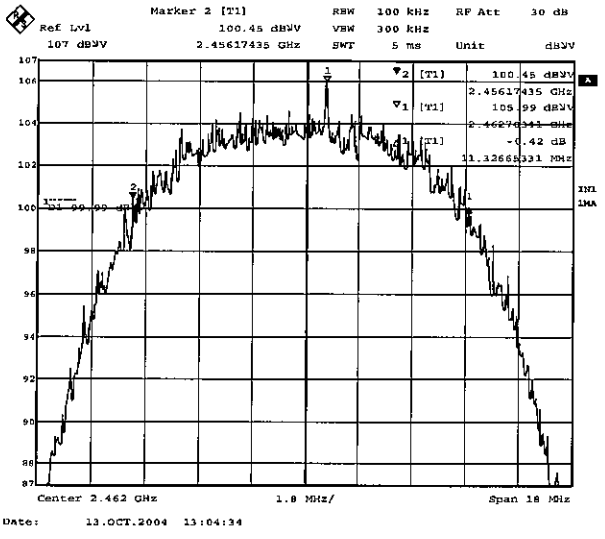
1. ch 1: 2412MHz/6dB Bandwidth:11.22MHz



2. ch 6: 2437MHz/6dB Bandwidth:11.33MHz



3. ch 11: 2462MHz/6dB Bandwidth:11.33MHz



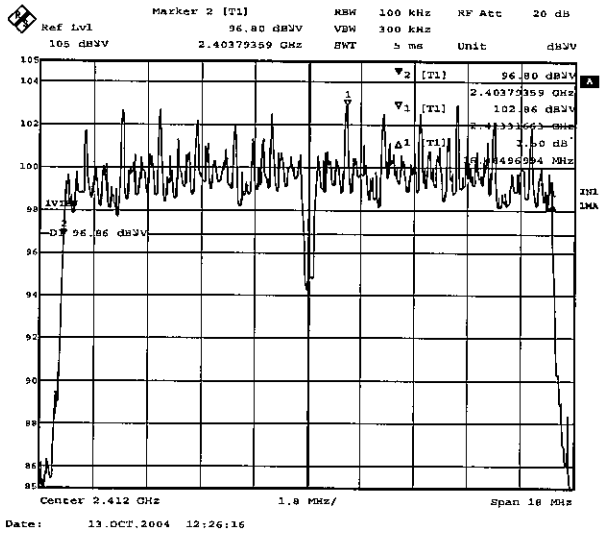
6dB Bandwidth: FCC 15.247(a)(2)

UL Apex Co.,Ltd. Yamakita No.5 Shielded Room

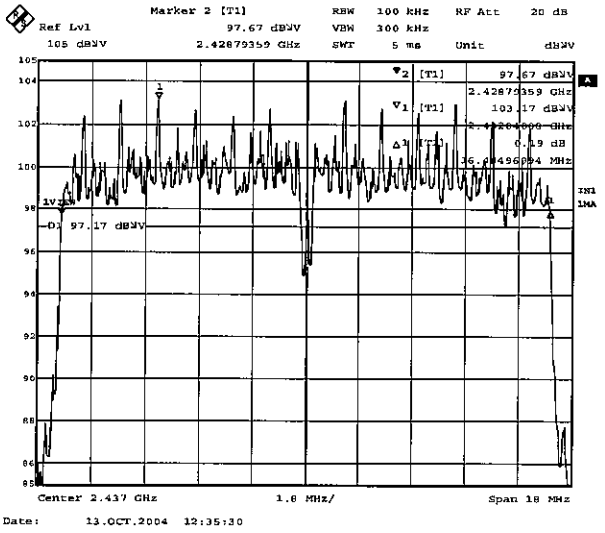
COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(a)(2)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/13
SERIAL NUMBER	: 230001	TEMP./HUMI	: 24℃/65%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g(54Mbps)]

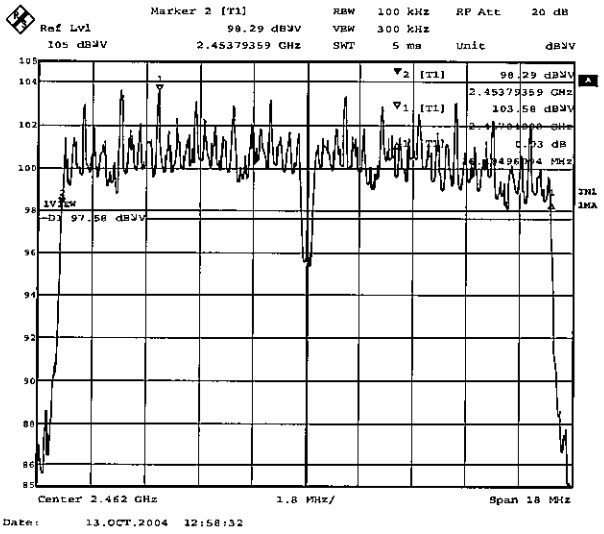
1. ch 1: 2412MHz/6dB Bandwidth:16.48MHz



2. ch 6: 2437MHz/6dB Bandwidth:16.48MHz



3. ch 11: 2462MHz/6dB Bandwidth:16.49MHz



Maximum Peak Conducted Output Power

UL Apex Co.,Ltd
YAMAKITA NO.3 Shielded Room

COMPANY : NIKON CORPORATION
EQUIPMENT : Wireless Transmitter
MODEL NUMBE : WT-2A
SERIAL NUMBE : 230001
FCC ID : CGJWT02
POWER : AC120V/60Hz
TEST MODE : Transmitting

REPORT NO : 25BE0195-YK-1
REGULATION : Fcc Part15SubpartC 247(b)(3)
DATE : 2004/11/02
TEMP./HUMI : 26℃/64%

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	6.24	0.2	6.44	30.0	23.56
Mid	2437.00	6.31	0.2	6.51	30.0	23.49
High	2462.00	6.57	0.2	6.77	30.0	23.23

IEEE802.11g(18Mbps) *

CH	FREQ [GHz]	S/A(PK) Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	10.12	0.2	10.32	30.0	19.68
Mid	2437.00	10.72	0.2	10.92	30.0	19.08
High	2462.00	10.85	0.2	11.05	30.0	18.95

IEEE802.11g(54Mbps) *

CH	FREQ [GHz]	S/A(PK) Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	10.65	0.2	10.85	30.0	19.15
Mid	2437.00	11.40	0.2	11.60	30.0	18.40
High	2462.00	11.58	0.2	11.78	30.0	18.22

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

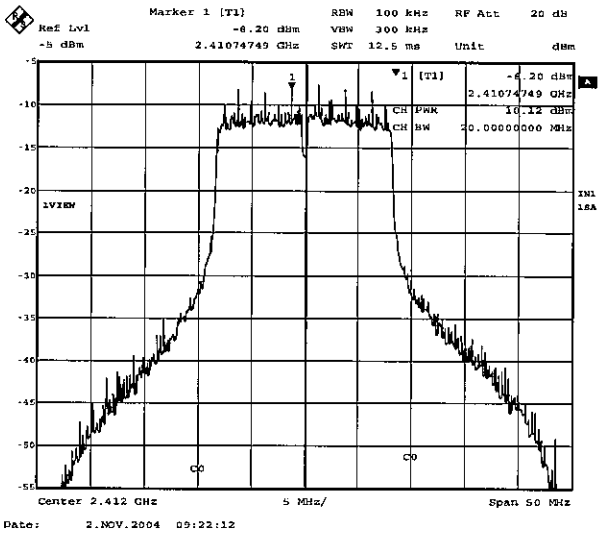
Maximum Peak Conducted Output Power: FCC 15.247(b)(3)

UL Apex Co.,Ltd. Yamakita No.3 Shielded Room

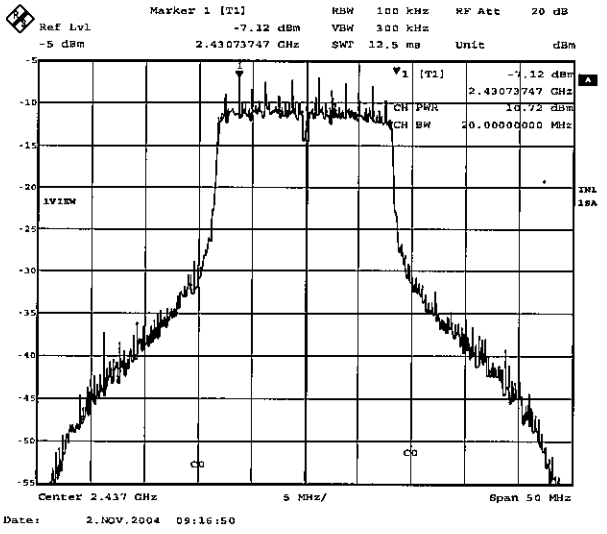
COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15 Subpart C247(b)(3)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g (18Mbps)Spectrum Analyzer data]

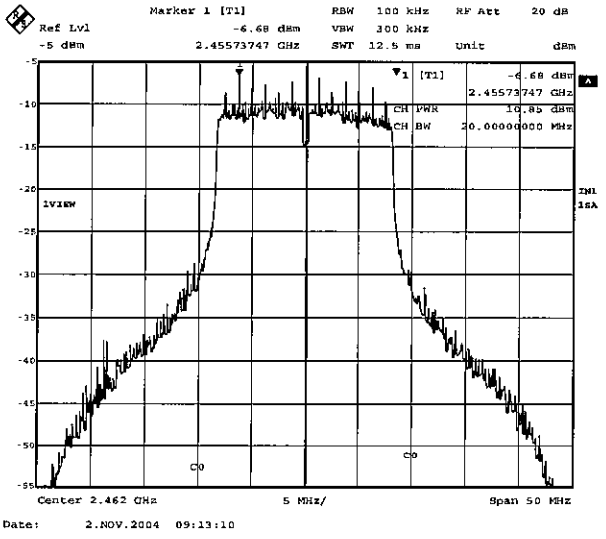
1. ch 1: 2412MHz



2. ch 6: 2437MHz



3. ch 11: 2462MHz



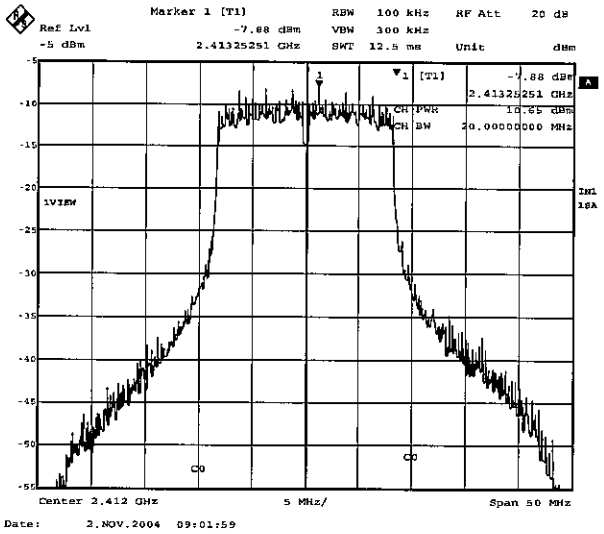
Maximum Peak Conducted Output Power: FCC 15.247(b)(3)

UL Apex Co.,Ltd. Yamakita No.3 Shielded Room

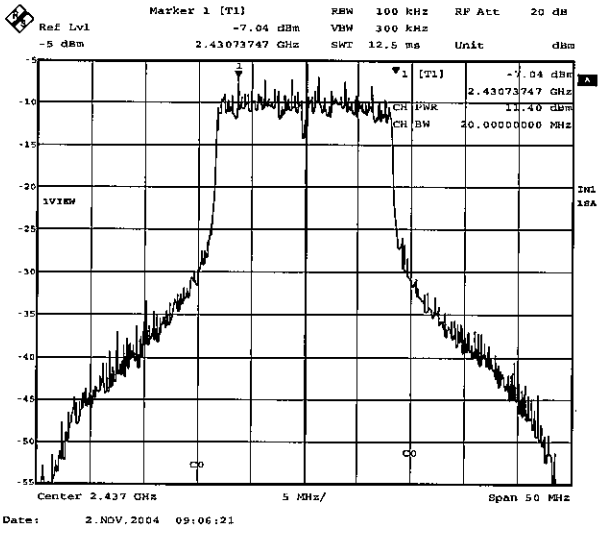
COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15 Subpart C247(b)(3)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g (54Mbps)Spectrum Analyzer data]

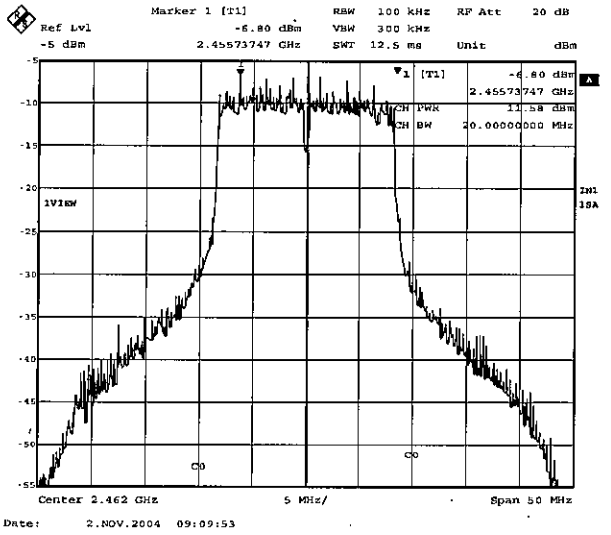
1. ch 1: 2412MHz



2. ch 6: 2437MHz



3. ch 11: 2462MHz



DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-S1		
Date	: 10/26/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Fumiaki Matsuo
Humidity	: 65 %		
Regulation	: FCC Part15C §15.209		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.35	BB	34.9	40.1	9.2	27.8	2.1	6.0	24.4	29.6	43.5	19.1	13.9
2.	100.67	BB	35.0	40.1	9.8	27.8	2.2	6.0	25.2	30.3	43.5	18.3	13.2
3.	167.86	BB	32.3	29.8	16.1	27.9	2.9	6.0	29.4	26.9	43.5	14.1	16.6
4.	226.95	BB	31.6	29.8	17.4	27.7	3.4	6.0	30.7	28.9	46.0	15.3	17.1
5.	256.01	BB	26.6	23.2	17.9	27.4	3.6	6.0	26.7	23.3	46.0	19.3	22.7
6.	356.67	BB	40.5	38.9	16.2	27.7	4.5	6.0	39.5	37.9	46.0	6.5	8.1
7.	362.74	BB	36.4	35.0	16.4	27.8	4.5	6.0	35.5	34.1	46.0	10.5	11.9
8.	369.27	BB	41.9	40.6	16.7	27.8	4.6	6.0	41.4	40.1	46.0	4.6	5.9
9.	421.46	BB	35.0	36.0	17.9	28.2	5.0	6.0	35.7	36.7	46.0	10.3	9.3

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH6:2437MHz)		
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-S1		
Date	: 10/26/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Fumiaki Matsuo
Humidity	: 65 %		
Regulation	: FCC Part15C §15.209		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.35	BB	35.3	40.1	9.2	27.8	2.1	6.0	24.8	29.6	43.5	18.7	13.9
2.	100.67	BB	35.8	39.6	9.8	27.8	2.2	6.0	26.0	29.8	43.5	17.5	13.7
3.	167.82	BB	31.9	29.5	16.1	27.9	2.9	6.0	29.0	26.6	43.5	14.5	16.9
4.	226.95	BB	31.7	30.0	17.4	27.7	3.4	6.0	30.8	29.1	46.0	15.2	16.9
5.	256.01	BB	26.5	23.3	17.9	27.4	3.6	6.0	26.6	23.4	46.0	19.4	22.6
6.	356.67	BB	40.2	38.6	16.2	27.7	4.5	6.0	39.2	37.6	46.0	6.8	8.4
7.	362.72	BB	35.4	34.9	16.4	27.8	4.5	6.0	34.5	34.0	46.0	11.5	12.0
8.	369.26	BB	41.1	40.1	16.7	27.8	4.6	6.0	40.6	39.6	46.0	5.4	6.4
9.	421.48	BB	35.1	36.6	17.9	28.2	5.0	6.0	35.8	37.3	46.0	10.2	8.7

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D) ■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant : NIKON CORPORATION
Kind of Equipment : Wireless Transmitter
Model No. : WT-2A
Serial No. : 230001
Power : AC120V/60Hz
Mode : Transmitting(CH11:2462MHz)
Remarks : IEEE802.11b(11Mbps)/Antenna model:WA-S1
Date : 10/26/2004
Test Distance : 3 m
Temperature : 20 ℃ Engineer : Fumiaki Matsuo
Humidity : 65 %
Regulation : FCC Part15C §15.209

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.35	BB	35.5	40.0	9.2	27.8	2.1	6.0	25.0	29.5	43.5	18.5	14.0
2.	100.67	BB	35.8	40.0	9.8	27.8	2.2	6.0	26.0	30.2	43.5	17.5	13.3
3.	167.83	BB	32.0	29.7	16.1	27.9	2.9	6.0	29.1	26.8	43.5	14.4	16.7
4.	226.95	BB	31.7	29.8	17.4	27.7	3.4	6.0	30.8	28.9	46.0	15.2	17.1
5.	256.01	BB	26.5	23.2	17.9	27.4	3.6	6.0	26.6	23.3	46.0	19.4	22.7
6.	356.67	BB	40.2	38.6	16.2	27.7	4.5	6.0	39.2	37.6	46.0	6.8	8.4
7.	362.72	BB	35.4	34.9	16.4	27.8	4.5	6.0	34.5	34.0	46.0	11.5	12.0
8.	369.26	BB	41.5	40.1	16.7	27.8	4.6	6.0	41.0	39.6	46.0	5.0	6.4
9.	421.47	BB	35.1	36.3	17.9	28.2	5.0	6.0	35.8	37.0	46.0	10.2	9.0

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK Rev. 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-S1		
Date	: 10/26/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Fumiaki Matsuo
Humidity	: 65 %		
Regulation	: FCC Part15C § 15.209		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.35	BB	35.8	37.8	9.2	27.8	2.1	6.0	25.3	27.3	43.5	18.2	16.2
2.	100.68	BB	36.1	40.0	9.8	27.8	2.2	6.0	26.3	30.2	43.5	17.2	13.3
3.	167.80	BB	33.2	29.7	16.1	27.9	2.9	6.0	30.3	26.8	43.5	13.2	16.7
4.	226.95	BB	32.2	30.5	17.4	27.7	3.4	6.0	31.3	29.6	46.0	14.7	16.4
5.	256.01	BB	26.6	23.2	17.9	27.4	3.6	6.0	26.7	23.3	46.0	19.3	22.7
6.	356.60	BB	40.2	38.4	16.2	27.7	4.5	6.0	39.2	37.4	46.0	6.8	8.6
7.	362.80	BB	35.8	34.0	16.4	27.8	4.5	6.0	34.9	33.1	46.0	11.1	12.9
8.	369.28	BB	41.7	39.8	16.7	27.8	4.6	6.0	41.2	39.3	46.0	4.8	6.7
9.	421.48	BB	34.6	36.0	17.9	28.2	5.0	6.0	35.3	36.7	46.0	10.7	9.3

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No.: 25BE0195-YK Rev. 1

Applicant	:	NIKON CORPORATION
Kind of Equipment	:	Wireless Transmitter
Model No.	:	WT-2A
Serial No.	:	230001
Power	:	AC120V/60Hz
Mode	:	Transmitting(CH6:2437MHz)
Remarks	:	IEEE802.11g(54Mbps)/Antenna model:WA-S1
Date	:	10/26/2004
Test Distance	:	3 m
Temperature	:	20 ℃
Humidity	:	65 %
Regulation	:	FCC Part15C §15.209

Engineer : Fumiaki Matsuo

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.35	BB	35.3	39.7	9.2	27.8	2.1	6.0	24.8	29.2	43.5	18.7	14.3
2.	100.67	BB	35.3	41.3	9.8	27.8	2.2	6.0	25.5	31.5	43.5	18.0	12.0
3.	167.87	BB	32.2	29.9	16.1	27.9	2.9	6.0	29.3	27.0	43.5	14.2	16.5
4.	226.95	BB	31.8	30.1	17.4	27.7	3.4	6.0	30.9	29.2	46.0	15.1	16.8
5.	256.01	BB	26.6	23.4	17.9	27.4	3.6	6.0	26.7	23.5	46.0	19.3	22.5
6.	356.65	BB	40.2	39.3	16.2	27.7	4.5	6.0	39.2	38.3	46.0	6.8	7.7
7.	362.72	BB	36.5	35.2	16.4	27.8	4.5	6.0	35.6	34.3	46.0	10.4	11.7
8.	369.29	BB	42.0	40.3	16.7	27.8	4.6	6.0	41.5	39.8	46.0	4.5	6.2
9.	421.45	BB	34.6	36.2	17.9	28.2	5.0	6.0	35.3	36.9	46.0	10.7	9.1

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ▬ 1

Applicant : NIKON CORPORATION
Kind of Equipment : Wireless Transmitter
Model No. : WT-2A
Serial No. : 230001
Power : AC120V/60Hz
Mode : Transmitting(CH11:2462MHz)
Remarks : IEEE802.11g(54Mbps)/Antenna model:WA-S1
Date : 10/26/2004
Test Distance : 3 m
Temperature : 20 ℃ Engineer : Fumiaki Matsuo
Humidity : 65 %
Regulation : FCC Part15C §15.209

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.35	BB	35.2	38.1	9.2	27.8	2.1	6.0	24.7	27.6	43.5	18.8	15.9
2.	100.71	BB	35.1	41.1	9.8	27.8	2.2	6.0	25.3	31.3	43.5	18.2	12.2
3.	167.81	BB	32.5	29.7	16.1	27.9	2.9	6.0	29.6	26.8	43.5	13.9	16.7
4.	226.95	BB	31.8	30.2	17.4	27.7	3.4	6.0	30.9	29.3	46.0	15.1	16.7
5.	256.01	BB	27.0	23.5	17.9	27.4	3.6	6.0	27.1	23.6	46.0	18.9	22.4
6.	356.67	BB	40.0	38.6	16.2	27.7	4.5	6.0	39.0	37.6	46.0	7.0	8.4
7.	362.58	BB	36.1	34.2	16.4	27.8	4.5	6.0	35.2	33.3	46.0	10.8	12.7
8.	369.29	BB	41.9	40.0	16.7	27.8	4.6	6.0	41.4	39.5	46.0	4.6	6.5
9.	421.46	BB	34.9	36.3	17.9	28.2	5.0	6.0	35.6	37.0	46.0	10.4	9.0

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No.: 25BE0195-YK ➡ 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-E1		
Date	: 10/27/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Fumiaki Matsuo
Humidity	: 50 %		
Regulation	: FCC Part15C §15.209		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.28	BB	48.3	45.5	9.2	27.8	2.1	6.0	37.8	35.0	43.5	5.7	8.5
2.	100.67	BB	46.2	42.5	9.8	27.8	2.2	6.0	36.4	32.7	43.5	7.1	10.8
3.	162.15	BB	39.0	34.9	15.7	27.9	2.8	6.0	35.6	31.5	43.5	7.9	12.0
4.	167.83	BB	42.3	38.0	16.1	27.9	2.9	6.0	39.4	35.1	43.5	4.1	8.4
5.	226.95	BB	38.1	38.2	17.4	27.7	3.4	6.0	37.2	37.3	46.0	8.8	8.7
6.	235.01	BB	37.2	37.7	17.5	27.6	3.5	6.0	36.6	37.1	46.0	9.4	8.9
7.	256.00	BB	29.2	31.1	17.9	27.4	3.6	6.0	29.3	31.2	46.0	16.7	14.8
8.	356.61	BB	42.5	39.7	16.2	27.7	4.5	6.0	41.5	38.7	46.0	4.5	7.3
9.	363.23	BB	37.2	33.3	16.4	27.8	4.5	6.0	36.3	32.4	46.0	9.7	13.6
10.	369.27	BB	42.6	41.2	16.7	27.8	4.6	6.0	42.1	40.7	46.0	3.9	5.3
11.	486.56	BB	35.3	34.1	18.1	28.5	5.4	6.0	36.3	35.1	46.0	9.7	10.9

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH6:2437MHz)		
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-E1		
Date	: 10/27/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Fumiaki Matsuo
Humidity	: 50 %		
Regulation	: FCC Part15C § 15.209		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.28	BB	48.8	44.9	9.2	27.8	2.1	6.0	38.3	34.4	43.5	5.2	9.1
2.	100.70	BB	48.1	41.3	9.8	27.8	2.2	6.0	38.3	31.5	43.5	5.2	12.0
3.	162.13	BB	39.5	34.9	15.7	27.9	2.8	6.0	36.1	31.5	43.5	7.4	12.0
4.	167.82	BB	42.4	38.0	16.1	27.9	2.9	6.0	39.5	35.1	43.5	4.0	8.4
5.	226.94	BB	41.4	38.2	17.4	27.7	3.4	6.0	40.5	37.3	46.0	5.5	8.7
6.	235.01	BB	40.1	38.2	17.5	27.6	3.5	6.0	39.5	37.6	46.0	6.5	8.4
7.	256.00	BB	29.1	31.0	17.9	27.4	3.6	6.0	29.2	31.1	46.0	16.8	14.9
8.	356.63	BB	42.7	40.1	16.2	27.7	4.5	6.0	41.7	39.1	46.0	4.3	6.9
9.	363.27	BB	36.3	34.5	16.4	27.8	4.5	6.0	35.4	33.6	46.0	10.6	12.4
10.	369.30	BB	41.0	41.5	16.7	27.8	4.6	6.0	40.5	41.0	46.0	5.5	5.0
11.	486.56	BB	33.7	34.0	18.1	28.5	5.4	6.0	34.7	35.0	46.0	11.3	11.0

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D) ■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ⇨ 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH11:2462MHz)		
Remarks	: IEEE802.11b(11Mbps)/Antenna model:WA-E1		
Date	: 10/27/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Fumiaki Matsuo
Humidity	: 50 %		
Regulation	: FCC Part15C §15.209		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.28	BB	48.6	43.3	9.2	27.8	2.1	6.0	38.1	32.8	43.5	5.4	10.7
2.	100.69	BB	47.9	39.7	9.8	27.8	2.2	6.0	38.1	29.9	43.5	5.4	13.6
3.	162.14	BB	39.5	35.0	15.7	27.9	2.8	6.0	36.1	31.6	43.5	7.4	11.9
4.	167.85	BB	42.2	38.1	16.1	27.9	2.9	6.0	39.3	35.2	43.5	4.2	8.3
5.	226.98	BB	42.6	38.1	17.4	27.7	3.4	6.0	41.7	37.2	46.0	4.3	8.8
6.	234.99	BB	42.5	38.4	17.5	27.6	3.5	6.0	41.9	37.8	46.0	4.1	8.2
7.	256.00	BB	29.3	31.5	17.9	27.4	3.6	6.0	29.4	31.6	46.0	16.6	14.4
8.	356.66	BB	43.6	39.0	16.2	27.7	4.5	6.0	42.6	38.0	46.0	3.4	8.0
9.	363.30	BB	37.0	34.5	16.4	27.8	4.5	6.0	36.1	33.6	46.0	9.9	12.4
10.	369.27	BB	41.9	40.6	16.7	27.8	4.6	6.0	41.4	40.1	46.0	4.6	5.9
11.	486.59	BB	35.4	34.6	18.1	28.5	5.4	6.0	36.4	35.6	46.0	9.6	10.4

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No.: 25BE0195-YK 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH1:2412MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-E1		
Date	: 10/27/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Fumiaki Matsuo
Humidity	: 50 %		
Regulation	: FCC Part15C §15.209		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.30	BB	47.3	43.0	9.2	27.8	2.1	6.0	36.8	32.5	43.5	6.7	11.0
2.	100.72	BB	45.9	40.9	9.8	27.8	2.2	6.0	36.1	31.1	43.5	7.4	12.4
3.	162.15	BB	39.2	32.6	15.7	27.9	2.8	6.0	35.8	29.2	43.5	7.7	14.3
4.	167.87	BB	43.0	36.8	16.1	27.9	2.9	6.0	40.1	33.9	43.5	3.4	9.6
5.	226.96	BB	42.7	40.0	17.4	27.7	3.4	6.0	41.8	39.1	46.0	4.2	6.9
6.	235.00	BB	42.7	40.2	17.5	27.6	3.5	6.0	42.1	39.6	46.0	3.9	6.4
7.	256.01	BB	29.8	32.0	17.9	27.4	3.6	6.0	29.9	32.1	46.0	16.1	13.9
8.	356.64	BB	43.7	37.2	16.2	27.7	4.5	6.0	42.7	36.2	46.0	3.3	9.8
9.	363.26	BB	38.3	36.6	16.4	27.8	4.5	6.0	37.4	35.7	46.0	8.6	10.3
10.	369.29	BB	43.5	43.3	16.7	27.8	4.6	6.0	43.0	42.8	46.0	3.0	3.2
11.	486.56	BB	38.9	35.1	18.1	28.5	5.4	6.0	39.9	36.1	46.0	6.1	9.9

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION	
Kind of Equipment	: Wireless Transmitter	
Model No.	: WT-2A	
Serial No.	: 230001	
Power	: AC120V/60Hz	
Mode	: Transmitting(CH6:2437MHz)	
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-E1	
Date	: 10/27/2004	
Test Distance	: 3 m	
Temperature	: 20 ℃	Engineer : Fumiaki Matsuo
Humidity	: 50 %	
Regulation	: FCC Part15C §15.209	

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.30	BB	46.0	43.2	9.2	27.8	2.1	6.0	35.5	32.7	43.5	8.0	10.8
2.	100.68	BB	45.2	40.3	9.8	27.8	2.2	6.0	35.4	30.5	43.5	8.1	13.0
3.	162.16	BB	39.4	31.6	15.7	27.9	2.8	6.0	36.0	28.2	43.5	7.5	15.3
4.	167.82	BB	43.0	36.8	16.1	27.9	2.9	6.0	40.1	33.9	43.5	3.4	9.6
5.	226.99	BB	43.2	41.0	17.4	27.7	3.4	6.0	42.3	40.1	46.0	3.7	5.9
6.	235.02	BB	42.7	40.5	17.5	27.6	3.5	6.0	42.1	39.9	46.0	3.9	6.1
7.	256.00	BB	29.5	31.6	17.9	27.4	3.6	6.0	29.6	31.7	46.0	16.4	14.3
8.	356.64	BB	43.3	43.0	16.2	27.7	4.5	6.0	42.3	42.0	46.0	3.7	4.0
9.	363.26	BB	38.4	37.7	16.4	27.8	4.5	6.0	37.5	36.8	46.0	8.5	9.2
10.	369.28	BB	43.4	43.4	16.7	27.8	4.6	6.0	42.9	42.9	46.0	3.1	3.1
11.	486.54	BB	38.3	33.1	18.1	28.5	5.4	6.0	39.3	34.1	46.0	6.7	11.9

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D)■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ⇨ 1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting(CH11:2462MHz)		
Remarks	: IEEE802.11g(54Mbps)/Antenna model:WA-E1		
Date	: 10/27/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Fumiaki Matsuo
Humidity	: 50 %		
Regulation	: FCC Part15C §15.209		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	97.32	BB	47.0	43.0	9.2	27.8	2.1	6.0	36.5	32.5	43.5	7.0	11.0
2.	100.68	BB	45.5	40.2	9.8	27.8	2.2	6.0	35.7	30.4	43.5	7.8	13.1
3.	162.16	BB	39.2	31.3	15.7	27.9	2.8	6.0	35.8	27.9	43.5	7.7	15.6
4.	167.81	BB	42.7	36.5	16.1	27.9	2.9	6.0	39.8	33.6	43.5	3.7	9.9
5.	226.99	BB	43.0	40.6	17.4	27.7	3.4	6.0	42.1	39.7	46.0	3.9	6.3
6.	235.00	BB	42.6	40.4	17.5	27.6	3.5	6.0	42.0	39.8	46.0	4.0	6.2
7.	256.02	BB	29.0	32.0	17.9	27.4	3.6	6.0	29.1	32.1	46.0	16.9	13.9
8.	356.68	BB	43.3	43.2	16.2	27.7	4.5	6.0	42.3	42.2	46.0	3.7	3.8
9.	363.27	BB	38.0	37.7	16.4	27.8	4.5	6.0	37.1	36.8	46.0	8.9	9.2
10.	369.28	BB	43.1	42.0	16.7	27.8	4.6	6.0	42.6	41.5	46.0	3.4	4.5
11.	486.56	BB	37.4	33.1	18.1	28.5	5.4	6.0	38.4	34.1	46.0	7.6	11.9

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

■ANTENNA:KBA-02(BBA9106)30-299.99MHz/KLA-02(USLP9143)300-1000MHz
■CABLE:KCC-20/21/22/23/29■PREAMP:KAF-03(8447D) ■EMI RECEIVER:KTR-04(ESVS10)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ➡ 1

Applicant	:	NIKON CORPORATION	
Kind of Equipment	:	Wireless Transmitter	
Model No.	:	WT-2A	
Serial No.	:	230001	
Power	:	AC120V/60Hz	
Mode	:	Transmitting (CH1:2412MHz)	
Remarks	:	PK IEEE802.11b (11Mbps) / Antenna model :WA-S1	
Date	:	11/1/2004	
Test Distance	:	3 m	
Temperature	:	20 ℃	Engineer : Toyokazu Imamura
Humidity	:	62 %	
Regulation	:	FCC Part15C § 15.209 (PK Detection)	

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	41.1	40.5	27.7	34.1	4.3	10.1	49.1	48.5	74.0	24.9	25.5
2.	2688.02	BB	41.1	40.2	28.3	34.1	4.5	10.2	50.0	49.1	74.0	24.0	24.9
3.	4824.00	BB	43.1	41.7	32.1	34.0	5.5	0.6	47.3	45.9	74.0	26.7	28.1
4.	7236.00	BB	38.1	38.4	36.6	34.2	6.5	0.3	47.3	47.6	74.0	26.7	26.4
5.	9648.00	BB	39.3	39.4	38.9	35.1	6.9	1.0	51.0	51.1	74.0	23.0	22.9
6.	12060.00	BB	38.5	38.3	39.8	34.4	7.9	0.4	52.2	52.0	74.0	21.8	22.0
7.	14472.00	BB	39.3	39.1	42.4	33.5	8.3	0.6	57.1	56.9	74.0	16.9	17.1
8.	16884.00	BB	41.0	40.4	40.7	33.7	9.1	0.9	58.0	57.4	74.0	16.0	16.6
9.	19296.00	BB	41.2	41.1	40.6	33.4	9.6	0.0	58.0	57.9	74.0	16.0	16.1
10.	21708.00	BB	41.7	40.9	39.1	33.5	10.1	0.0	57.4	56.6	74.0	16.6	17.4
11.	24120.00	BB	42.3	43.0	39.3	32.5	10.5	0.0	59.6	60.3	74.0	14.4	13.7

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ∞ 1

Applicant	:	NIKON CORPORATION	
Kind of Equipment	:	Wireless Transmitter	
Model No.	:	WT-2A	
Serial No.	:	230001	
Power	:	AC120V/60Hz	
Mode	:	Transmitting (CH1 : 2412MHz)	
Remarks	:	AV IEEE802.11b (11Mbps) / Antenna model :WA-S1	
Date	:	11/1/2004	
Test Distance	:	3 m	
Temperature	:	20 ℃	Engineer : Toyokazu Imamura
Humidity	:	62 %	
Regulation	:	FCC Part15C §15.209 (AV Detection)	

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	30.0	30.1	27.7	34.1	4.3	10.1	38.0	38.1	54.0	16.0	15.9
2.	2688.02	BB	30.6	29.4	28.3	34.1	4.5	10.2	39.5	38.3	54.0	14.5	15.7
3.	4824.00	BB	29.7	29.1	32.1	34.0	5.5	0.6	33.9	33.3	54.0	20.1	20.7
4.	7236.00	BB	27.5	27.5	36.6	34.2	6.5	0.3	36.7	36.7	54.0	17.3	17.3
5.	9648.00	BB	29.2	29.2	38.9	35.1	6.9	1.0	40.9	40.9	54.0	13.1	13.1
6.	12060.00	BB	28.4	28.4	39.8	34.4	7.9	0.4	42.1	42.1	54.0	11.9	11.9
7.	14472.00	BB	28.9	28.8	42.4	33.5	8.3	0.6	46.7	46.6	54.0	7.3	7.4
8.	16884.00	BB	30.6	30.3	40.7	33.7	9.1	0.9	47.6	47.3	54.0	6.4	6.7
9.	19296.00	BB	31.0	30.9	40.6	33.4	9.6	0.0	47.8	47.7	54.0	6.2	6.3
10.	21708.00	BB	31.7	31.4	39.1	33.5	10.1	0.0	47.4	47.1	54.0	6.6	6.9
11.	24120.00	BB	33.3	33.3	39.3	32.5	10.5	0.0	50.6	50.6	54.0	3.4	3.4

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK[illegible] 1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH6:2437MHz)
Remarks	: PK IEEE802.11b (11Mbps) / Antenna model :WA-S1
Date	: 11/1/2004
Test Distance	: 3 m
Temperature	: 20 ℃ Engineer : Toyokazu Imamura
Humidity	: 62 %
Regulation	: FCC Part15C §15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2688.02	BB	41.7	40.2	28.3	34.1	4.5	10.2	50.6	49.1	74.0	23.4	24.9
2.	4874.00	BB	43.3	40.9	32.2	34.0	5.5	0.6	47.6	45.2	74.0	26.4	28.8
3.	7311.00	BB	38.1	38.2	36.7	34.3	6.6	0.3	47.4	47.5	74.0	26.6	26.5
4.	9748.00	BB	38.3	39.3	39.0	35.1	6.9	1.0	50.1	51.1	74.0	23.9	22.9
5.	12185.00	BB	39.0	38.5	39.6	34.2	7.9	0.4	52.7	52.2	74.0	21.3	21.8
6.	14622.00	BB	38.9	38.8	42.1	33.7	8.4	0.6	56.3	56.2	74.0	17.7	17.8
7.	17059.00	BB	40.0	40.3	41.1	33.6	9.1	0.9	57.5	57.8	74.0	16.5	16.2
8.	19496.00	BB	40.2	40.6	40.1	33.6	9.9	0.0	56.6	57.0	74.0	17.4	17.0
9.	21933.00	BB	41.9	41.8	39.4	33.6	10.2	0.0	57.9	57.8	74.0	16.1	16.2
10.	24370.00	BB	42.7	42.4	39.4	32.5	10.6	0.0	60.2	59.9	74.0	13.8	14.1

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant : NIKON CORPORATION
Kind of Equipment : Wireless Transmitter
Model No. : WT-2A
Serial No. : 230001
Power : AC120V/60Hz
Mode : Transmitting (CH6: 2437MHz)
Remarks : AV IEEE802.11b (11Mbps) / Antenna model :WA-S1
Date : 11/1/2004
Test Distance : 3 m
Temperature : 20 ℃ Engineer : Toyokazu Imamura
Humidity : 62 %
Regulation : FCC Part15C §15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2688.02	BB	30.2	29.5	28.3	34.1	4.5	10.2	39.1	38.4	54.0	14.9	15.6
2.	4874.00	BB	29.6	28.5	32.2	34.0	5.5	0.6	33.9	32.8	54.0	20.1	21.2
3.	7311.00	BB	28.0	27.8	36.7	34.3	6.6	0.3	37.3	37.1	54.0	16.7	16.9
4.	9748.00	BB	28.3	28.4	39.0	35.1	6.9	1.0	40.1	40.2	54.0	13.9	13.8
5.	12185.00	BB	28.1	28.2	39.6	34.2	7.9	0.4	41.8	41.9	54.0	12.2	12.1
6.	14622.00	BB	28.7	28.7	42.1	33.7	8.4	0.6	46.1	46.1	54.0	7.9	7.9
7.	17059.00	BB	29.7	30.3	41.1	33.6	9.1	0.9	47.2	47.8	54.0	6.8	6.2
8.	19496.00	BB	30.6	30.9	40.1	33.6	9.9	0.0	47.0	47.3	54.0	7.0	6.7
9.	21933.00	BB	32.3	32.1	39.4	33.6	10.2	0.0	48.3	48.1	54.0	5.7	5.9
10.	24370.00	BB	32.2	32.3	39.4	32.5	10.6	0.0	49.7	49.8	54.0	4.3	4.2

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH11 : 2462MHz)
Remarks	: PK IEEE802.11b (11Mbps) / Antenna model :WA-S1
Date	: 11/1/2004
Test Distance	: 3 m
Temperature	: 20 ℃ Engineer : Toyokazu Imamura
Humidity	: 62 %
Regulation	: FCC Part15C §15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	41.1	40.3	28.0	34.0	4.4	10.1	49.6	48.8	74.0	24.4	25.2
2.	2688.02	BB	41.3	40.1	28.3	34.1	4.5	10.2	50.2	49.0	74.0	23.8	25.0
3.	4924.00	BB	42.5	40.8	32.3	34.0	5.5	0.7	47.0	45.3	74.0	27.0	28.7
4.	7386.00	BB	38.2	38.7	36.8	34.3	6.6	0.4	47.7	48.2	74.0	26.3	25.8
5.	9848.00	BB	38.6	39.5	39.2	35.1	7.0	1.1	50.8	51.7	74.0	23.2	22.3
6.	12310.00	BB	39.3	38.1	39.3	34.1	7.8	0.5	52.8	51.6	74.0	21.2	22.4
7.	14772.00	BB	38.4	40.0	41.6	33.8	8.5	0.6	55.3	56.9	74.0	18.7	17.1
8.	17234.00	BB	39.8	40.0	41.6	33.5	9.1	0.6	57.6	57.8	74.0	16.4	16.2
9.	19696.00	BB	40.9	40.8	40.0	33.7	9.9	0.0	57.1	57.0	74.0	16.9	17.0
10.	22158.00	BB	42.8	42.1	39.7	33.3	10.2	0.0	59.4	58.7	74.0	14.6	15.3
11.	24620.00	BB	43.6	43.8	39.6	32.5	10.8	0.0	61.5	61.7	74.0	12.5	12.3

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ~~1~~

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting (CH11 : 2462MHz)		
Remarks	: AV IEEE802.11b (11Mbps) / Antenna model :WA-S1		
Date	: 11/1/2004		
Test Distance	: 3 m		
Temperature	: 20 ℃	Engineer	: Toyokazu Imamura
Humidity	: 62 %		
Regulation	: FCC Part15C §15.209 (AV Detection)		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	29.9	30.0	28.0	34.0	4.4	10.1	38.4	38.5	54.0	15.6	15.5
2.	2688.02	BB	32.8	29.7	28.3	34.1	4.5	10.2	41.7	38.6	54.0	12.3	15.4
3.	4924.00	BB	28.7	28.1	32.3	34.0	5.5	0.7	33.2	32.6	54.0	20.8	21.4
4.	7386.00	BB	27.9	27.8	36.8	34.3	6.6	0.4	37.4	37.3	54.0	16.6	16.7
5.	9848.00	BB	29.3	29.7	39.2	35.1	7.0	1.1	41.5	41.9	54.0	12.5	12.1
6.	12310.00	BB	27.4	27.9	39.3	34.1	7.8	0.5	40.9	41.4	54.0	13.1	12.6
7.	14772.00	BB	28.9	29.0	41.6	33.8	8.5	0.6	45.8	45.9	54.0	8.2	8.1
8.	17234.00	BB	29.7	29.8	41.6	33.5	9.1	0.6	47.5	47.6	54.0	6.5	6.4
9.	19696.00	BB	31.0	31.1	40.0	33.7	9.9	0.0	47.2	47.3	54.0	6.8	6.7
10.	22158.00	BB	32.8	32.7	39.7	33.3	10.2	0.0	49.4	49.3	54.0	4.6	4.7
11.	24620.00	BB	34.5	34.5	39.6	32.5	10.8	0.0	52.4	52.4	54.0	1.6	1.6

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH1 : 2412MHz)
Remarks	: PK IEEE802.11g (54Mbps) / Antenna model :WA-S1
Date	: 11/1/2004
Test Distance	: 3 m
Temperature	: 20 ℃ Engineer : Toyokazu Imamura
Humidity	: 62 %
Regulation	: FCC Part15C §15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	54.0	51.6	27.7	34.1	4.3	10.1	62.0	59.6	74.0	12.0	14.4
2.	2688.01	BB	42.0	41.1	28.3	34.1	4.5	10.2	50.9	50.0	74.0	23.1	24.0
3.	4824.00	BB	38.7	37.4	32.1	34.0	5.5	0.6	42.9	41.6	74.0	31.1	32.4
4.	7236.00	BB	38.7	37.4	36.6	34.2	6.5	0.3	47.9	46.6	74.0	26.1	27.4
5.	9648.00	BB	38.3	38.9	38.9	35.1	6.9	1.0	50.0	50.6	74.0	24.0	23.4
6.	12060.00	BB	38.3	38.1	39.8	34.4	7.9	0.4	52.0	51.8	74.0	22.0	22.2
7.	14472.00	BB	38.3	38.6	42.4	33.5	8.3	0.6	56.1	56.4	74.0	17.9	17.6
8.	16884.00	BB	39.1	40.1	40.7	33.7	9.1	0.9	56.1	57.1	74.0	17.9	16.9
9.	19296.00	BB	41.2	41.3	40.6	33.4	9.6	0.0	58.0	58.1	74.0	16.0	15.9
10.	21708.00	BB	41.1	41.9	39.1	33.5	10.1	0.0	56.8	57.6	74.0	17.2	16.4
11.	24120.00	BB	43.3	42.9	39.3	32.5	10.5	0.0	60.6	60.2	74.0	13.4	13.8

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH1 : 2412MHz)
Remarks	: AV IEEE802.11g (54Mbps) / Antenna model :WA-S1
Date	: 11/1/2004
Test Distance	: 3 m
Temperature	: 20 ℃ Engineer : Toyokazu Imamura
Humidity	: 62 %
Regulation	: FCC Part15C §15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	35.4	33.6	27.7	34.1	4.3	10.1	43.4	41.6	54.0	10.6	12.4
2.	2688.01	BB	32.2	30.3	28.3	34.1	4.5	0.0	30.9	29.0	54.0	23.1	25.0
3.	4824.00	BB	28.5	27.6	32.1	34.0	5.5	0.6	32.7	31.8	54.0	21.3	22.2
4.	7236.00	BB	27.8	27.5	36.6	34.2	6.5	0.3	37.0	36.7	54.0	17.0	17.3
5.	9648.00	BB	28.5	29.2	38.9	35.1	6.9	1.0	40.2	40.9	54.0	13.8	13.1
6.	12060.00	BB	28.0	28.6	39.8	34.4	7.9	0.4	41.7	42.3	54.0	12.3	11.7
7.	14472.00	BB	28.8	28.8	42.4	33.5	8.3	0.6	46.6	46.6	54.0	7.4	7.4
8.	16884.00	BB	29.8	30.2	40.7	33.7	9.1	0.9	46.8	47.2	54.0	7.2	6.8
9.	19296.00	BB	31.3	31.0	40.6	33.4	9.6	0.0	48.1	47.8	54.0	5.9	6.2
10.	21708.00	BB	31.3	31.4	39.1	33.5	10.1	0.0	47.0	47.1	54.0	7.0	6.9
11.	24120.00	BB	33.2	33.2	39.3	32.5	10.5	0.0	50.5	50.5	54.0	3.5	3.5

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ⇨ 1

Applicant	:	NIKON CORPORATION	
Kind of Equipment	:	Wireless Transmitter	
Model No.	:	WT-2A	
Serial No.	:	230001	
Power	:	AC120V/60Hz	
Mode	:	Transmitting (CH6:2437MHz)	
Remarks	:	PK IEEE802.11g (54Mbps) / Antenna model :WA-S1	
Date	:	11/1/2004	
Test Distance	:	3 m	
Temperature	:	20 ℃	Engineer : Toyokazu Imamura
Humidity	:	62 %	
Regulation	:	FCC Part15C §15.209 (PK Detection)	

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2688.02	BB	41.9	40.2	28.3	34.1	4.5	10.2	50.8	49.1	74.0	23.2	24.9
2.	4874.00	BB	39.1	37.3	32.2	34.0	5.5	0.6	43.4	41.6	74.0	30.6	32.4
3.	7311.00	BB	37.4	37.8	36.7	34.3	6.6	0.3	46.7	47.1	74.0	27.3	26.9
4.	9748.00	BB	38.3	39.4	39.0	35.1	6.9	1.0	50.1	51.2	74.0	23.9	22.8
5.	12185.00	BB	38.9	38.2	39.6	34.2	7.9	0.4	52.6	51.9	74.0	21.4	22.1
6.	14622.00	BB	38.2	38.7	42.1	33.7	8.4	0.6	55.6	56.1	74.0	18.4	17.9
7.	17059.00	BB	40.1	40.3	41.1	33.6	9.1	0.9	57.6	57.8	74.0	16.4	16.2
8.	19496.00	BB	41.3	41.1	40.1	33.6	9.9	0.0	57.7	57.5	74.0	16.3	16.5
9.	21933.00	BB	41.9	42.1	39.4	33.6	10.2	0.0	57.9	58.1	74.0	16.1	15.9
10.	24370.00	BB	43.1	42.6	39.4	32.5	10.6	0.0	60.6	60.1	74.0	13.4	13.9

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK Rev.1

Applicant	:	NIKON CORPORATION
Kind of Equipment	:	Wireless Transmitter
Model No.	:	WT-2A
Serial No.	:	230001
Power	:	AC120V/60Hz
Mode	:	Transmitting (CH6:2437MHz)
Remarks	:	AV IEEE802.11g (54Mbps) / Antenna model :WA-S1
Date	:	11/1/2004
Test Distance	:	3 m
Temperature	:	20 ℃
Humidity	:	62 %
Regulation	:	FCC Part15C §15.209 (AV Detection)

Engineer : Toyokazu Imamura

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2688.02	BB	32.3	30.0	28.3	34.1	4.5	10.2	41.2	38.9	54.0	12.8	15.1
2.	4874.00	BB	29.5	28.6	32.2	34.0	5.5	0.6	33.8	32.9	54.0	20.2	21.1
3.	7311.00	BB	28.0	28.0	36.7	34.3	6.6	0.3	37.3	37.3	54.0	16.7	16.7
4.	9748.00	BB	28.3	28.8	39.0	35.1	6.9	1.0	40.1	40.6	54.0	13.9	13.4
5.	12185.00	BB	27.9	28.2	39.6	34.2	7.9	0.4	41.6	41.9	54.0	12.4	12.1
6.	14622.00	BB	28.6	28.6	42.1	33.7	8.4	0.6	46.0	46.0	54.0	8.0	8.0
7.	17059.00	BB	29.4	29.5	41.1	33.6	9.1	0.9	46.9	47.0	54.0	7.1	7.0
8.	19496.00	BB	31.0	31.1	40.1	33.6	9.9	0.0	47.4	47.5	54.0	6.6	6.5
9.	21933.00	BB	32.6	32.0	39.4	33.6	10.2	0.0	48.6	48.0	54.0	5.4	6.0
10.	24370.00	BB	32.0	32.4	39.4	32.5	10.6	0.0	49.5	49.9	54.0	4.5	4.1

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ➡ 1

Applicant : NIKON CORPORATION
Kind of Equipment : Wireless Transmitter
Model No. : WT-2A
Serial No. : 230001
Power : AC120V/60Hz
Mode : Transmitting (CH11 : 2462MHz)
Remarks : PK IEEE802.11g (54Mbps) / Antenna model :WA-S1
Date : 10/28/2004
Test Distance : 3 m
Temperature : 21 ℃ Engineer : Makoto Hosaka
Humidity : 54 %
Regulation : FCC Part15C §15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	47.3	49.8	28.0	34.0	4.4	10.1	55.8	58.3	74.0	18.2	15.7
2.	2688.03	BB	42.8	40.5	28.3	34.1	4.5	10.2	51.7	49.4	74.0	22.3	24.6
3.	4924.00	BB	35.5	35.4	32.3	34.0	5.5	0.7	40.0	39.9	74.0	34.0	34.1
4.	7386.00	BB	39.1	37.5	36.8	34.3	6.6	0.4	48.6	47.0	74.0	25.4	27.0
5.	9848.00	BB	38.4	40.4	39.2	35.1	7.0	1.1	50.6	52.6	74.0	23.4	21.4
6.	12310.00	BB	37.2	37.8	39.3	34.1	7.8	0.5	50.7	51.3	74.0	23.3	22.7
7.	14772.00	BB	39.3	39.9	41.6	33.8	8.5	0.6	56.2	56.8	74.0	17.8	17.2
8.	17234.00	BB	39.8	39.6	41.6	33.5	9.1	0.6	57.6	57.4	74.0	16.4	16.6
9.	19696.00	BB	40.2	40.0	40.0	33.7	9.9	0.0	56.4	56.2	74.0	17.6	17.8
10.	22158.00	BB	42.7	42.0	39.7	33.3	10.2	0.0	59.3	58.6	74.0	14.7	15.4
11.	24620.00	BB	44.0	43.3	39.6	32.5	10.8	0.0	61.9	61.2	74.0	12.1	12.8

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No.: 25BE0195-YK ⊷ 1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH11 : 2462MHz)
Remarks	: AV IEEE802.11g (54Mbps) / Antenna model :WA-S1
Date	: 10/28/2004
Test Distance	: 3 m
Temperature	: 21 ℃ Engineer : Makoto Hosaka
Humidity	: 54 %
Regulation	: FCC Part15C §15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	35.4	33.4	28.0	34.0	4.4	10.1	43.9	41.9	54.0	10.1	12.1
2.	2688.03	BB	32.3	30.0	28.3	34.1	4.5	10.2	41.2	38.9	54.0	12.8	15.1
3.	4924.00	BB	24.7	25.9	32.3	34.0	5.5	0.7	29.2	30.4	54.0	24.8	23.6
4.	7386.00	BB	24.5	24.2	36.8	34.3	6.6	0.4	34.0	33.7	54.0	20.0	20.3
5.	9848.00	BB	29.6	29.6	39.2	35.1	7.0	1.1	41.8	41.8	54.0	12.2	12.2
6.	12310.00	BB	28.5	28.7	39.3	34.1	7.8	0.5	42.0	42.2	54.0	12.0	11.8
7.	14772.00	BB	29.5	29.6	41.6	33.8	8.5	0.6	46.4	46.5	54.0	7.6	7.5
8.	17234.00	BB	29.8	30.0	41.6	33.5	9.1	0.6	47.6	47.8	54.0	6.4	6.2
9.	19696.00	BB	30.9	30.3	40.0	33.7	9.9	0.0	47.1	46.5	54.0	6.9	7.5
10.	22158.00	BB	32.9	32.4	39.7	33.3	10.2	0.0	49.5	49.0	54.0	4.5	5.0
11.	24620.00	BB	33.8	33.6	39.6	32.5	10.8	0.0	51.7	51.5	54.0	2.3	2.5

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK Page 1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting(CH1:2412MHz)
Remarks	: PK IEEE802.11b(11Mbps) / Antenna model :WA-E1
Date	: 10/29/2004
Test Distance	: 3 m
Temperature	: 22 ℃ Engineer : Makoto Hosaka
Humidity	: 43 %
Regulation	: FCC Part15C §15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	40.5	42.1	27.7	34.1	4.3	10.1	48.5	50.1	74.0	25.5	23.9
2.	2688.09	BB	41.6	42.1	28.3	34.1	4.5	10.2	50.5	51.0	74.0	23.5	23.0
3.	4824.00	BB	34.9	38.1	32.1	34.0	5.5	0.6	39.1	42.3	74.0	34.9	31.7
4.	7236.00	BB	37.3	36.9	36.6	34.2	6.5	0.3	46.5	46.1	74.0	27.5	27.9
5.	9648.00	BB	39.8	39.7	38.9	35.1	6.9	1.0	51.5	51.4	74.0	22.5	22.6
6.	12060.00	BB	39.0	38.7	39.8	34.4	7.9	0.4	52.7	52.4	74.0	21.3	21.6
7.	14472.00	BB	39.1	39.1	42.4	33.5	8.3	0.6	56.9	56.9	74.0	17.1	17.1
8.	16884.00	BB	40.6	41.0	40.7	33.7	9.1	0.9	57.6	58.0	74.0	16.4	16.0
9.	19296.00	BB	41.3	41.2	40.6	33.4	9.6	0.0	58.1	58.0	74.0	15.9	16.0
10.	21708.00	BB	41.7	41.8	39.1	33.5	10.1	0.0	57.4	57.5	74.0	16.6	16.5
11.	24120.00	BB	43.3	43.4	39.3	32.5	10.5	0.0	60.6	60.7	74.0	13.4	13.3

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

■ANTENNA:KHA-02(1-18GHz)/KHA-04(18-26GHz)
■AMP:KAF-04(8449B) ■SPECTRUM ANALYZER:KSA-04(R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-P1

Applicant	: NIKON CORPORATION		
Kind of Equipment	: Wireless Transmitter		
Model No.	: WT-2A		
Serial No.	: 230001		
Power	: AC120V/60Hz		
Mode	: Transmitting (CH1 : 2412MHz)		
Remarks	: AV IEEE802.11b (11Mbps) / Antenna model :WA-E1		
Date	: 10/29/2004		
Test Distance	: 3 m		
Temperature	: 22 ℃	Engineer	: Makoto Hosaka
Humidity	: 43 %		
Regulation	: FCC Part15C § 15.209 (AV Detection)		

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	29.9	31.8	27.7	34.1	4.3	10.1	37.9	39.8	54.0	16.1	14.2
2.	2688.09	BB	30.7	32.3	28.3	34.1	4.5	10.2	39.6	41.2	54.0	14.4	12.8
3.	4824.00	BB	24.6	26.3	32.1	34.0	5.5	0.6	28.8	30.5	54.0	25.2	23.5
4.	7236.00	BB	27.3	27.3	36.6	34.2	6.5	0.3	36.5	36.5	54.0	17.5	17.5
5.	9648.00	BB	29.6	29.5	38.9	35.1	6.9	1.0	41.3	41.2	54.0	12.7	12.8
6.	12060.00	BB	28.9	29.0	39.8	34.4	7.9	0.4	42.6	42.7	54.0	11.4	11.3
7.	14472.00	BB	29.3	29.3	42.4	33.5	8.3	0.6	47.1	47.1	54.0	6.9	6.9
8.	16884.00	BB	30.6	30.7	40.7	33.7	9.1	0.9	47.6	47.7	54.0	6.4	6.3
9.	19296.00	BB	30.9	31.0	40.6	33.4	9.6	0.0	47.7	47.8	54.0	6.3	6.2
10.	21708.00	BB	32.3	31.6	39.1	33.5	10.1	0.0	48.0	47.3	54.0	6.0	6.7
11.	24120.00	BB	32.8	33.4	39.3	32.5	10.5	0.0	50.1	50.7	54.0	3.9	3.3

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-P1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH6:2437MHz)
Remarks	: PK IEEE802.11b (11Mbps) / Antenna model :WA-E1
Date	: 10/29/2004
Test Distance	: 3 m
Temperature	: 22 ℃ Engineer : Makoto Hosaka
Humidity	: 43 %
Regulation	: FCC Part15C §15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2688.15	BB	41.5	42.2	28.3	34.1	4.5	10.2	50.4	51.1	74.0	23.6	22.9
2.	4874.00	BB	35.0	38.4	32.2	34.0	5.5	0.6	39.3	42.7	74.0	34.7	31.3
3.	7311.00	BB	36.4	37.0	36.7	34.3	6.6	0.3	45.7	46.3	74.0	28.3	27.7
4.	9748.00	BB	39.3	39.4	39.0	35.1	6.9	1.0	51.1	51.2	74.0	22.9	22.8
5.	12185.00	BB	38.9	37.8	39.6	34.2	7.9	0.4	52.6	51.5	74.0	21.4	22.5
6.	14622.00	BB	39.1	39.0	42.1	33.7	8.4	0.6	56.5	56.4	74.0	17.5	17.6
7.	17059.00	BB	40.2	39.6	41.1	33.6	9.1	0.9	57.7	57.1	74.0	16.3	16.9
8.	19496.00	BB	39.7	40.8	40.1	33.6	9.9	0.0	56.1	57.2	74.0	17.9	16.8
9.	21933.00	BB	41.7	42.6	39.4	33.6	10.2	0.0	57.7	58.6	74.0	16.3	15.4
10.	24370.00	BB	42.5	42.9	39.4	32.5	10.6	0.0	60.0	60.4	74.0	14.0	13.6

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK Page 1

Applicant : NIKON CORPORATION
Kind of Equipment : Wireless Transmitter
Model No. : WT-2A
Serial No. : 230001
Power : AC120V/60Hz
Mode : Transmitting (CH6:2437MHz)
Remarks : AV IEEE802.11b (11Mbps) / Antenna model :WA-E1
Date : 10/29/2004
Test Distance : 3 m
Temperature : 22 ℃ Engineer : Makoto Hosaka
Humidity : 43 %
Regulation : FCC Part15C §15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2688.15	BB	31.1	33.3	28.3	34.1	4.5	10.2	40.0	42.2	54.0	14.0	11.8
2.	4874.00	BB	24.1	26.1	32.2	34.0	5.5	0.6	28.4	30.4	54.0	25.6	23.6
3.	7311.00	BB	26.8	26.6	36.7	34.3	6.6	0.3	36.1	35.9	54.0	17.9	18.1
4.	9748.00	BB	28.6	29.0	39.0	35.1	6.9	1.0	40.4	40.8	54.0	13.6	13.2
5.	12185.00	BB	28.0	28.3	39.6	34.2	7.9	0.4	41.7	42.0	54.0	12.3	12.0
6.	14622.00	BB	29.3	29.3	42.1	33.7	8.4	0.6	46.7	46.7	54.0	7.3	7.3
7.	17059.00	BB	30.0	30.1	41.1	33.6	9.1	0.9	47.5	47.6	54.0	6.5	6.4
8.	19496.00	BB	30.2	30.6	40.1	33.6	9.9	0.0	46.6	47.0	54.0	7.4	7.0
9.	21933.00	BB	32.5	32.0	39.4	33.6	10.2	0.0	48.5	48.0	54.0	5.5	6.0
10.	24370.00	BB	31.8	32.3	39.4	32.5	10.6	0.0	49.3	49.8	54.0	4.7	4.2

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK Rev. 1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH11 : 2462MHz)
Remarks	: PK IEEE802.11b (11Mbps) / Antenna model :WA-E1
Date	: 10/29/2004
Test Distance	: 3 m
Temperature	: 22 ℃ Engineer : Makoto Hosaka
Humidity	: 43 %
Regulation	: FCC Part15C §15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	40.3	45.0	28.0	34.0	4.4	10.1	48.8	53.5	74.0	25.2	20.5
2.	2688.10	BB	42.7	43.1	28.3	34.1	4.5	10.2	51.6	52.0	74.0	22.4	22.0
3.	4924.00	BB	36.0	38.0	32.3	34.0	5.5	0.7	40.5	42.5	74.0	33.5	31.5
4.	7386.00	BB	38.2	37.7	36.8	34.3	6.6	0.4	47.7	47.2	74.0	26.3	26.8
5.	9848.00	BB	40.9	39.6	39.2	35.1	7.0	1.1	53.1	51.8	74.0	20.9	22.2
6.	12310.00	BB	39.0	38.3	39.3	34.1	7.8	0.5	52.5	51.8	74.0	21.5	22.2
7.	14772.00	BB	39.8	39.5	41.6	33.8	8.5	0.6	56.7	56.4	74.0	17.3	17.6
8.	17234.00	BB	41.0	40.8	41.6	33.5	9.1	0.6	58.8	58.6	74.0	15.2	15.4
9.	19696.00	BB	41.2	40.3	40.0	33.7	9.9	0.0	57.4	56.5	74.0	16.6	17.5
10.	22158.00	BB	42.4	42.6	39.7	33.3	10.2	0.0	59.0	59.2	74.0	15.0	14.8
11.	24620.00	BB	44.0	43.9	39.6	32.5	10.8	0.0	61.9	61.8	74.0	12.1	12.2

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	:	NIKON CORPORATION
Kind of Equipment	:	Wireless Transmitter
Model No.	:	WT-2A
Serial No.	:	230001
Power	:	AC120V/60Hz
Mode	:	Transmitting (CH11 : 2462MHz)
Remarks	:	AV IEEE802.11b (11Mbps) / Antenna model :WA-E1
Date	:	10/29/2004
Test Distance	:	3 m
Temperature	:	22 ℃
Humidity	:	43 %
Regulation	:	FCC Part15C §15.209 (AV Detection)

Engineer : Makoto Hosaka

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	29.9	31.1	28.0	34.0	4.4	10.1	38.4	39.6	54.0	15.6	14.4
2.	2688.10	BB	31.5	34.4	28.3	34.1	4.5	10.2	40.4	43.3	54.0	13.6	10.7
3.	4924.00	BB	25.1	26.3	32.3	34.0	5.5	0.7	29.6	30.8	54.0	24.4	23.2
4.	7386.00	BB	27.7	28.0	36.8	34.3	6.6	0.4	37.2	37.5	54.0	16.8	16.5
5.	9848.00	BB	30.0	29.8	39.2	35.1	7.0	1.1	42.2	42.0	54.0	11.8	12.0
6.	12310.00	BB	28.7	28.5	39.3	34.1	7.8	0.5	42.2	42.0	54.0	11.8	12.0
7.	14772.00	BB	29.6	29.3	41.6	33.8	8.5	0.6	46.5	46.2	54.0	7.5	7.8
8.	17234.00	BB	30.7	30.3	41.6	33.5	9.1	0.6	48.5	48.1	54.0	5.5	5.9
9.	19696.00	BB	30.8	30.8	40.0	33.7	9.9	0.0	47.0	47.0	54.0	7.0	7.0
10.	22158.00	BB	32.8	33.1	39.7	33.3	10.2	0.0	49.4	49.7	54.0	4.6	4.3
11.	24620.00	BB	33.9	34.2	39.6	32.5	10.8	0.0	51.8	52.1	54.0	2.2	1.9

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK ➨ 1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH1:2412MHz)
Remarks	: PK IEEE802.11g(54Mbps) / Antenna model :WA-E1
Date	: 10/29/2004
Test Distance	: 3 m
Temperature	: 22 ℃ Engineer : Makoto Hosaka
Humidity	: 43 %
Regulation	: FCC Part15C §15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	48.3	55.8	27.7	34.1	4.3	10.1	56.3	63.8	74.0	17.7	10.2
2.	2688.09	BB	42.0	42.6	28.3	34.1	4.5	10.2	50.9	51.5	74.0	23.1	22.5
3.	4824.00	BB	36.9	37.7	32.1	34.0	5.5	0.6	41.1	41.9	74.0	32.9	32.1
4.	7236.00	BB	33.9	37.8	36.6	34.2	6.5	0.3	43.1	47.0	74.0	30.9	27.0
5.	9648.00	BB	40.3	40.0	38.9	35.1	6.9	1.0	52.0	51.7	74.0	22.0	22.3
6.	12060.00	BB	39.2	39.5	39.8	34.4	7.9	0.4	52.9	53.2	74.0	21.1	20.8
7.	14472.00	BB	38.7	39.9	42.4	33.5	8.3	0.6	56.5	57.7	74.0	17.5	16.3
8.	16884.00	BB	40.4	40.6	40.7	33.7	9.1	0.9	57.4	57.6	74.0	16.6	16.4
9.	19296.00	BB	40.9	41.8	40.6	33.4	9.6	0.0	57.7	58.6	74.0	16.3	15.4
10.	21708.00	BB	41.9	41.8	39.1	33.5	10.1	0.0	57.6	57.5	74.0	16.4	16.5
11.	24120.00	BB	42.8	43.1	39.3	32.5	10.5	0.0	60.1	60.4	74.0	13.9	13.6

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

■ANTENNA:KHA-02(1-18GHz)/KHA-04(18-26GHz)
■AMP:KAF-04(8449B) ■SPECTRUM ANALYZER:KSA-04(R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	:	NIKON CORPORATION	
Kind of Equipment	:	Wireless Transmitter	
Model No.	:	WT-2A	
Serial No.	:	230001	
Power	:	AC120V/60Hz	
Mode	:	Transmitting(CH1:2412MHz)	
Remarks	:	AV IEEE802.11g(54Mbps) / Antenna model :WA-E1	
Date	:	10/29/2004	
Test Distance	:	3 m	
Temperature	:	22 ℃	Engineer : Makoto Hosaka
Humidity	:	43 %	
Regulation	:	FCC Part15C §15.209(AV Detection)	

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	32.3	37.3	27.7	34.1	4.3	10.1	40.3	45.3	54.0	13.7	8.7
2.	2688.09	BB	31.8	33.0	28.3	34.1	4.5	10.2	40.7	41.9	54.0	13.3	12.1
3.	4824.00	BB	25.8	27.3	32.1	34.0	5.5	0.6	30.0	31.5	54.0	24.0	22.5
4.	7236.00	BB	27.1	27.9	36.6	34.2	6.5	0.3	36.3	37.1	54.0	17.7	16.9
5.	9648.00	BB	30.1	29.7	38.9	35.1	6.9	1.0	41.8	41.4	54.0	12.2	12.6
6.	12060.00	BB	29.6	29.3	39.8	34.4	7.9	0.4	43.3	43.0	54.0	10.7	11.0
7.	14472.00	BB	29.6	29.5	42.4	33.5	8.3	0.6	47.4	47.3	54.0	6.6	6.7
8.	16884.00	BB	30.9	30.7	40.7	33.7	9.1	0.9	47.9	47.7	54.0	6.1	6.3
9.	19296.00	BB	31.1	31.1	40.6	33.4	9.6	0.0	47.9	47.9	54.0	6.1	6.1
10.	21708.00	BB	31.7	31.8	39.1	33.5	10.1	0.0	47.4	47.5	54.0	6.6	6.5
11.	24120.00	BB	33.5	33.5	39.3	32.5	10.5	0.0	50.8	50.8	54.0	3.2	3.2

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

■ANTENNA:KHA-02(1-18GHz)/KHA-04(18-26GHz)
■AMP:KAF-04(8449B) ■SPECTRUM ANALYZER:KSA-04(R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH6:2437MHz)
Remarks	: PK IEEE802.11g(54Mbps) / Antenna model :WA-E1
Date	: 10/29/2004
Test Distance	: 3 m
Temperature	: 22 ℃ Engineer : Makoto Hosaka
Humidity	: 43 %
Regulation	: FCC Part15C §15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2688.11	BB	40.6	42.5	28.3	34.1	4.5	10.2	49.5	51.4	74.0	24.5	22.6
2.	4874.00	BB	35.8	35.7	32.2	34.0	5.5	0.6	40.1	40.0	74.0	33.9	34.0
3.	7311.00	BB	36.6	36.2	36.7	34.3	6.6	0.3	45.9	45.5	74.0	28.1	28.5
4.	9748.00	BB	40.0	39.2	39.0	35.1	6.9	1.0	51.8	51.0	74.0	22.2	23.0
5.	12185.00	BB	39.1	38.3	39.6	34.2	7.9	0.4	52.8	52.0	74.0	21.2	22.0
6.	14622.00	BB	39.3	38.4	42.1	33.7	8.4	0.6	56.7	55.8	74.0	17.3	18.2
7.	17059.00	BB	40.1	40.3	41.1	33.6	9.1	0.9	57.6	57.8	74.0	16.4	16.2
8.	19496.00	BB	41.1	41.1	40.1	33.6	9.9	0.0	57.5	57.5	74.0	16.5	16.5
9.	21933.00	BB	41.2	41.8	39.4	33.6	10.2	0.0	57.2	57.8	74.0	16.8	16.2
10.	24370.00	BB	43.1	42.7	39.4	32.5	10.6	0.0	60.6	60.2	74.0	13.4	13.8

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK 1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH6:2437MHz)
Remarks	: AV IEEE802.11g(54Mbps) / Antenna model :WA-E1
Date	: 10/29/2004
Test Distance	: 3 m
Temperature	: 22 ℃ Engineer : Makoto Hosaka
Humidity	: 43 %
Regulation	: FCC Part15C §15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2688.11	BB	30.8	32.5	28.3	34.1	4.5	10.2	39.7	41.4	54.0	14.3	12.6
2.	4874.00	BB	24.6	24.7	32.2	34.0	5.5	0.6	28.9	29.0	54.0	25.1	25.0
3.	7311.00	BB	25.9	26.0	36.7	34.3	6.6	0.3	35.2	35.3	54.0	18.8	18.7
4.	9748.00	BB	29.7	29.7	39.0	35.1	6.9	1.0	41.5	41.5	54.0	12.5	12.5
5.	12185.00	BB	28.9	28.8	39.6	34.2	7.9	0.4	42.6	42.5	54.0	11.4	11.5
6.	14622.00	BB	29.6	29.5	42.1	33.7	8.4	0.6	47.0	46.9	54.0	7.0	7.1
7.	17059.00	BB	30.3	30.2	41.1	33.6	9.1	0.9	47.8	47.7	54.0	6.2	6.3
8.	19496.00	BB	30.6	30.6	40.1	33.6	9.9	0.0	47.0	47.0	54.0	7.0	7.0
9.	21933.00	BB	32.2	32.2	39.4	33.6	10.2	0.0	48.2	48.2	54.0	5.8	5.8
10.	24370.00	BB	32.2	32.2	39.4	32.5	10.6	0.0	49.7	49.7	54.0	4.3	4.3

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	:	NIKON CORPORATION	
Kind of Equipment	:	Wireless Transmitter	
Model No.	:	WT-2A	
Serial No.	:	230001	
Power	:	AC120V/60Hz	
Mode	:	Transmitting (CH11 : 2462MHz)	
Remarks	:	PK IEEE802.11g (54Mbps) / Antenna model :WA-E1	
Date	:	10/29/2004	
Test Distance	:	3 m	
Temperature	:	22 ℃	Engineer : Makoto Hosaka
Humidity	:	43 %	
Regulation	:	FCC Part15C §15.209 (PK Detection)	

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	50.8	60.8	28.0	34.0	4.4	10.1	59.3	69.3	74.0	14.7	4.7
2.	2688.10	BB	42.1	42.9	28.3	34.1	4.5	10.2	51.0	51.8	74.0	23.0	22.2
3.	4924.00	BB	34.2	35.6	32.3	34.0	5.5	0.7	38.7	40.1	74.0	35.3	33.9
4.	7386.00	BB	36.4	37.3	36.8	34.3	6.6	0.4	45.9	46.8	74.0	28.1	27.2
5.	9848.00	BB	39.1	39.8	39.2	35.1	7.0	1.1	51.3	52.0	74.0	22.7	22.0
6.	12310.00	BB	38.1	38.2	39.3	34.1	7.8	0.5	51.6	51.7	74.0	22.4	22.3
7.	14772.00	BB	39.0	38.6	41.6	33.8	8.5	0.6	55.9	55.5	74.0	18.1	18.5
8.	17234.00	BB	40.2	40.6	41.6	33.5	9.1	0.6	58.0	58.4	74.0	16.0	15.6
9.	19696.00	BB	41.9	41.3	40.0	33.7	9.9	0.0	58.1	57.5	74.0	15.9	16.5
10.	22158.00	BB	43.2	43.0	39.7	33.3	10.2	0.0	59.8	59.6	74.0	14.2	14.4
11.	24620.00	BB	44.6	44.1	39.6	32.5	10.8	0.0	62.5	62.0	74.0	11.5	12.0

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.2 Open Test Site
Report No. : 25BE0195-YK-1

Applicant	: NIKON CORPORATION
Kind of Equipment	: Wireless Transmitter
Model No.	: WT-2A
Serial No.	: 230001
Power	: AC120V/60Hz
Mode	: Transmitting (CH11:2462MHz)
Remarks	: AV IEEE802.11g (54Mbps) / Antenna model :WA-E1
Date	: 10/29/2004
Test Distance	: 3 m
Temperature	: 22 ℃ Engineer : Makoto Hosaka
Humidity	: 43 %
Regulation	: FCC Part15C §15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	33.8	41.6	28.0	34.0	4.4	10.1	42.3	50.1	54.0	11.7	3.9
2.	2688.10	BB	32.3	34.8	28.3	34.1	4.5	10.2	41.2	43.7	54.0	12.8	10.3
3.	4924.00	BB	24.4	25.0	32.3	34.0	5.5	0.7	28.9	29.5	54.0	25.1	24.5
4.	7386.00	BB	26.8	26.7	36.8	34.3	6.6	0.4	36.3	36.2	54.0	17.7	17.8
5.	9848.00	BB	30.2	30.3	39.2	35.1	7.0	1.1	42.4	42.5	54.0	11.6	11.5
6.	12310.00	BB	28.6	28.5	39.3	34.1	7.8	0.5	42.1	42.0	54.0	11.9	12.0
7.	14772.00	BB	29.7	29.4	41.6	33.8	8.5	0.6	46.6	46.3	54.0	7.4	7.7
8.	17234.00	BB	30.5	30.5	41.6	33.5	9.1	0.6	48.3	48.3	54.0	5.7	5.7
9.	19696.00	BB	30.9	31.5	40.0	33.7	9.9	0.0	47.1	47.7	54.0	6.9	6.3
10.	22158.00	BB	33.0	32.9	39.7	33.3	10.2	0.0	49.6	49.5	54.0	4.4	4.5
11.	24620.00	BB	34.1	34.1	39.6	32.5	10.8	0.0	52.0	52.0	54.0	2.0	2.0

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

■ANTENNA:KHA-02 (1-18GHz) /KHA-04 (18-26GHz)
■AMP:KAF-04 (8449B) ■SPECTRUM ANALYZER:KSA-04 (R3271A) ■CABLE:KCC-D3/D7

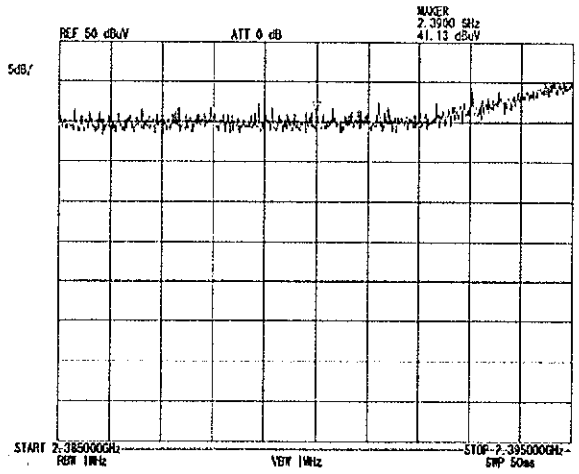
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/01
SERIAL NUMBER	: 230001	TEMP./HUMI	: 20℃/62%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:WA-S1		

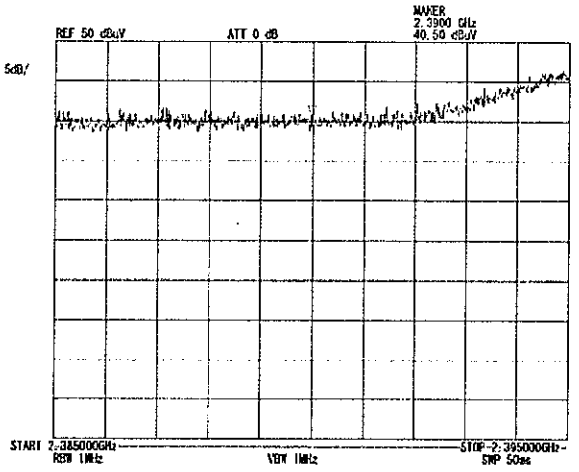
[IEEE802.11b(11Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/PK



2. Vertical/PK



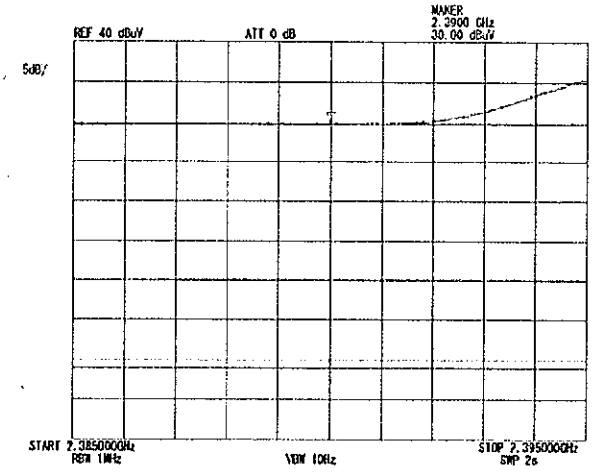
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/01
SERIAL NUMBER	: 230001	TEMP./HUMI	: 20℃/62%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:WA-S1		

[IEEE802.11b(11Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/AV



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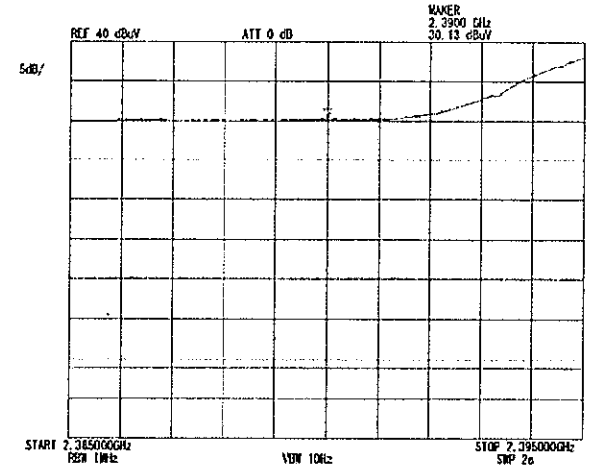


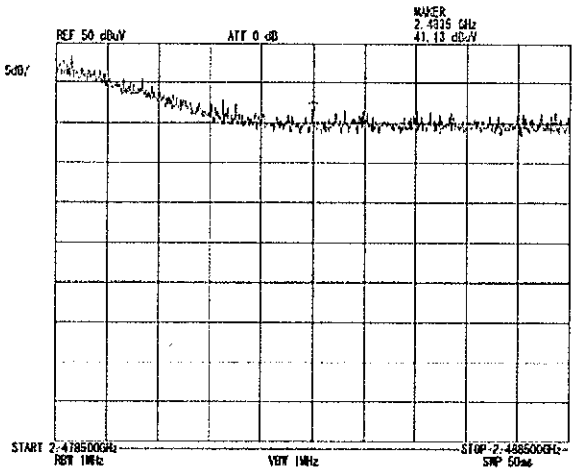
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK 1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/01
SERIAL NUMBER	: 230001	TEMP./HUMI	: 20℃/62%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:WA-S1		

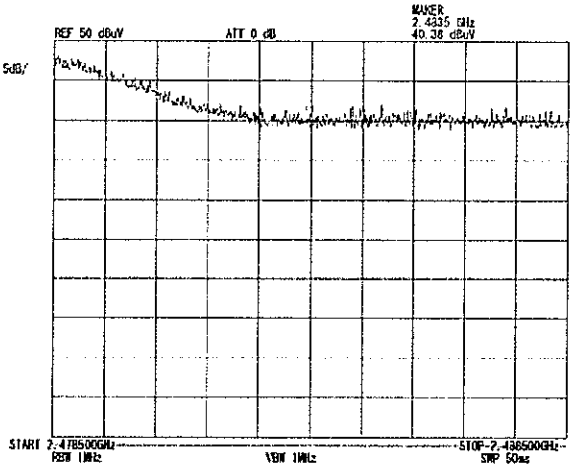
[IEEE802.11b(11Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/PK



2. Vertical/PK



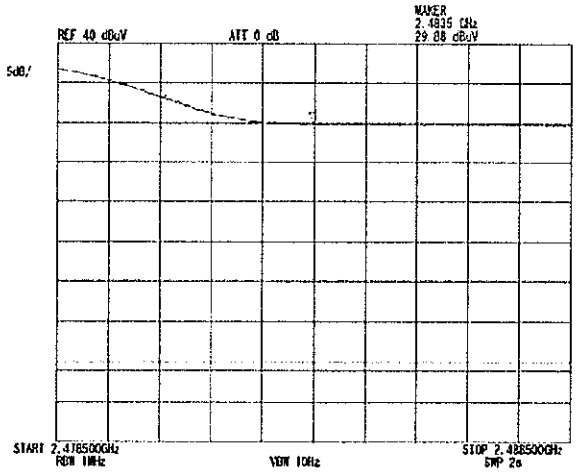
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/01
SERIAL NUMBER	: 230001	TEMP./HUMI	: 20℃/62%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:WA-S1		

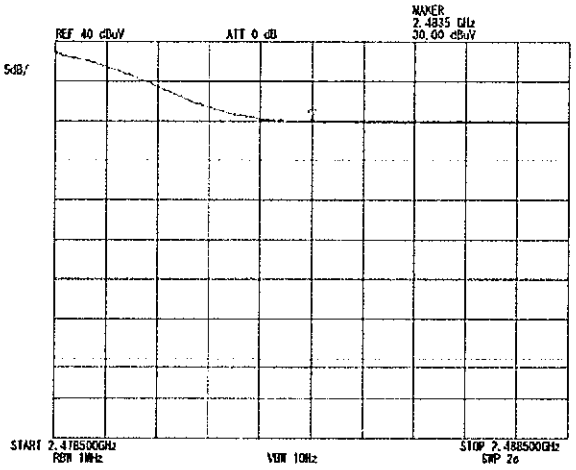
[IEEE802.11b(11Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/AV



2. Vertical/AV



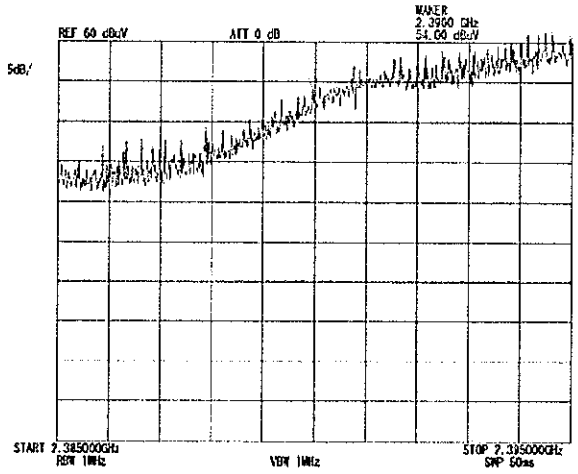
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/01
SERIAL NUMBER	: 230001	TEMP./HUMI	: 20°C/62%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:WA-S1		

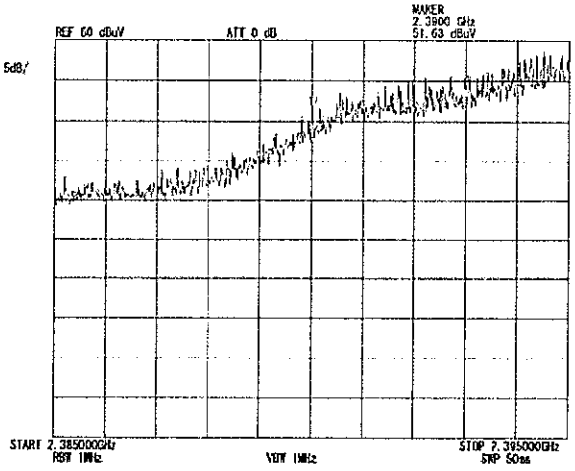
[IEEE802.11g(54Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/PK



2. Vertical/PK



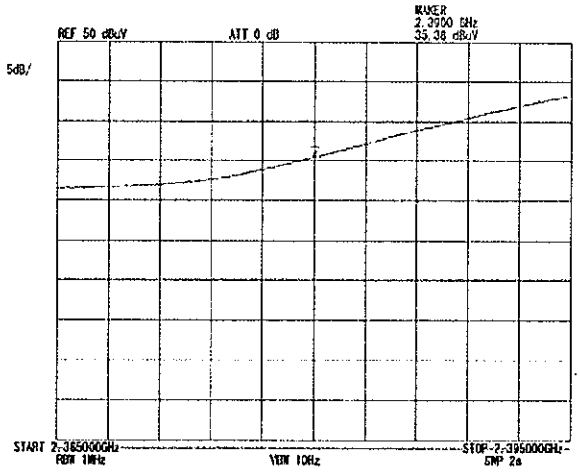
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK 1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/01
SERIAL NUMBER	: 230001	TEMP./HUMI	: 20℃/62%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:WA-S1		

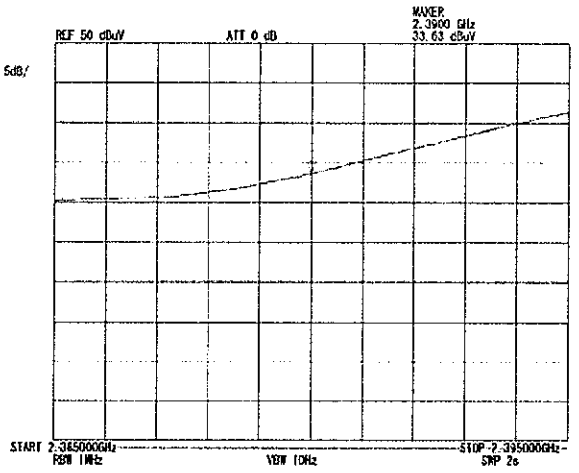
[IEEE802.11g(54Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/AV



2. Vertical/AV



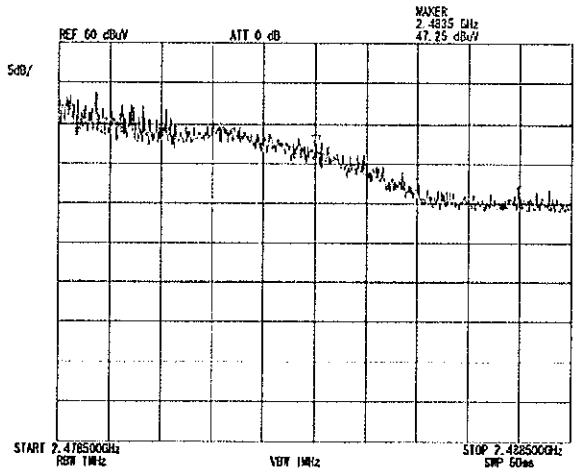
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/01
SERIAL NUMBER	: 230001	TEMP./HUMI	: 20℃/62%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:WA-S1		

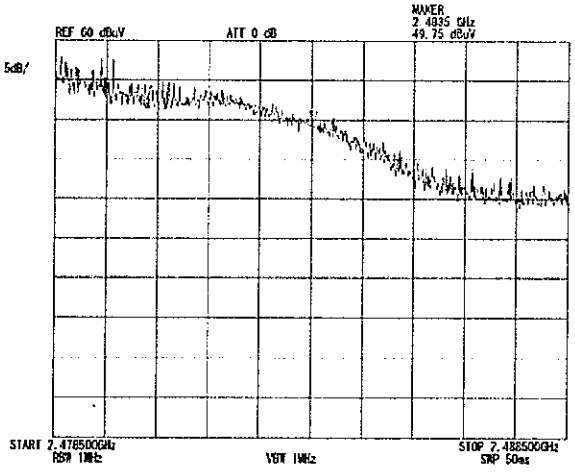
[IEEE802.11g(54Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/PK



2. Vertical/PK



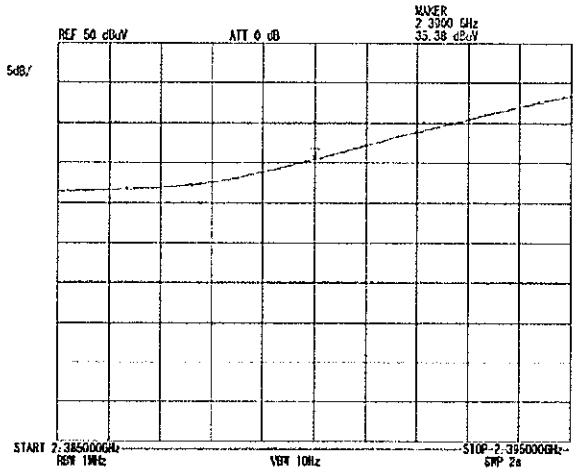
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/01
SERIAL NUMBER	: 230001	TEMP./HUMI	: 20°C/62%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura
REMARKS	: Antenna model:WA-S1		

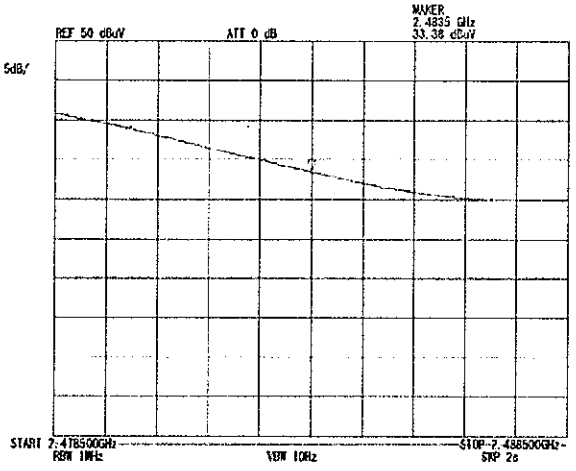
[IEEE802.11g(54Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/AV



2. Vertical/AV



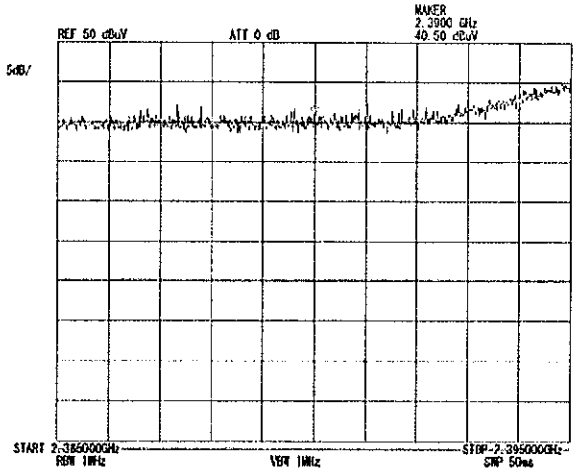
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/29
SERIAL NUMBER	: 230001	TEMP./HUMI	: 22℃/43%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Makoto Hosaka
REMARKS	: Antenna model:WA-E1		

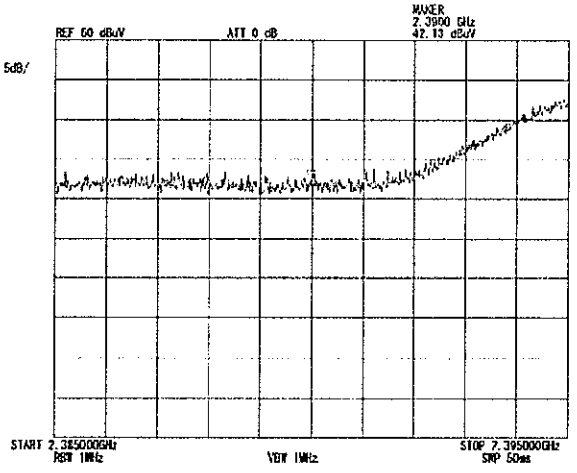
[IEEE802.11b(11Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/PK



2. Vertical/PK



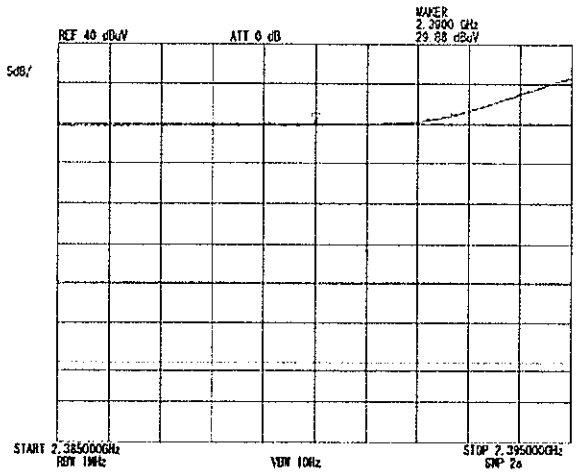
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK Rev. 1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/29
SERIAL NUMBER	: 230001	TEMP./HUMI	: 22℃/43%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Makoto Hosaka
REMARKS	: Antenna model:WA-E1		

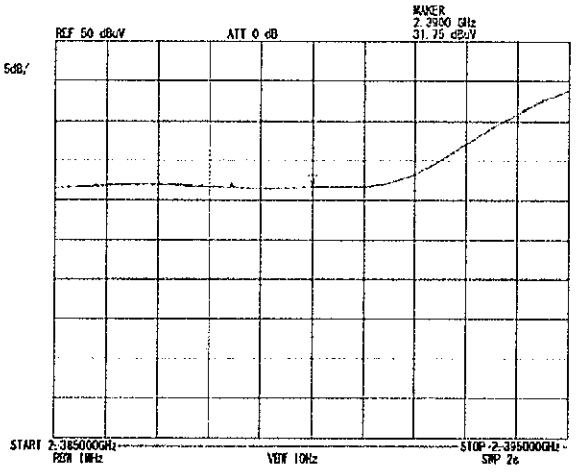
[IEEE802.11b(11Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/AV



2. Vertical/AV



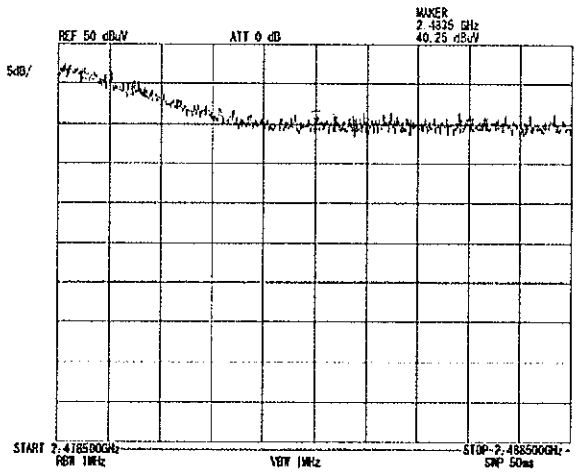
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK ➡ 1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/29
SERIAL NUMBER	: 230001	TEMP./HUMI	: 22°C/43%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Makoto Hosaka
REMARKS	: Antenna model:WA-E1		

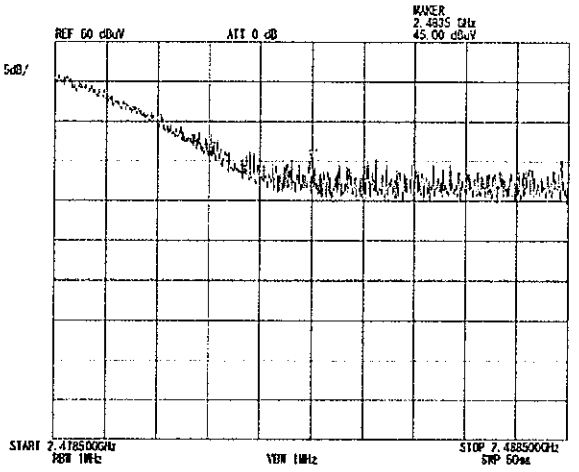
[IEEE802.11b(11Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/PK



2. Vertical/PK



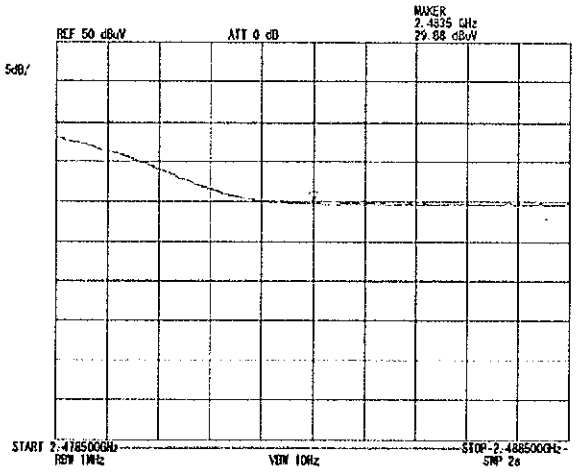
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/29
SERIAL NUMBER	: 230001	TEMP./HUMI	: 22℃/43%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Makoto Hosaka
REMARKS	: Antenna model:WA-E1		

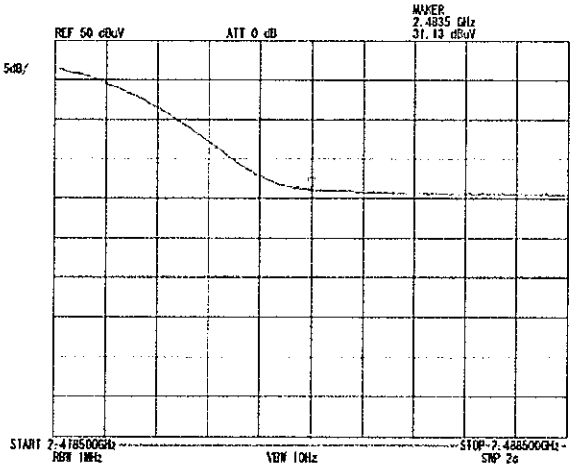
[IEEE802.11b(11Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/AV



2. Vertical/AV



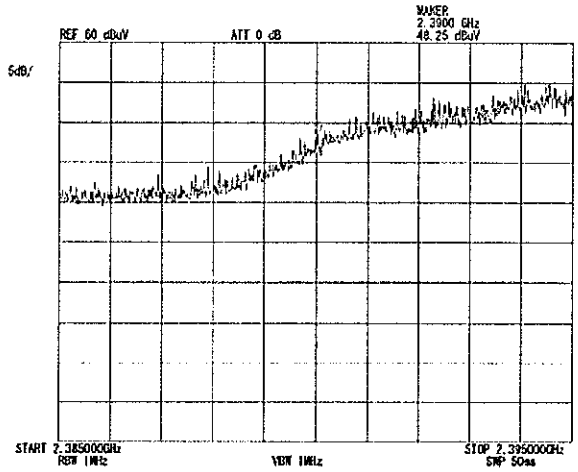
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/29
SERIAL NUMBER	: 230001	TEMP./HUMI	: 22℃/43%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Makoto Hosaka
REMARKS	: Antenna model:WA-E1		

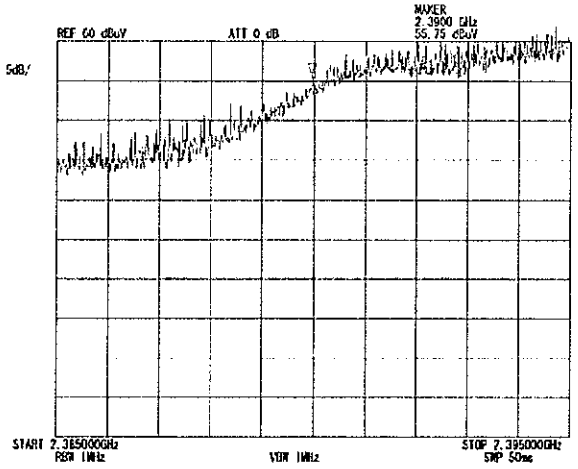
[IEEE802.11g(54Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/PK



2. Vertical/PK



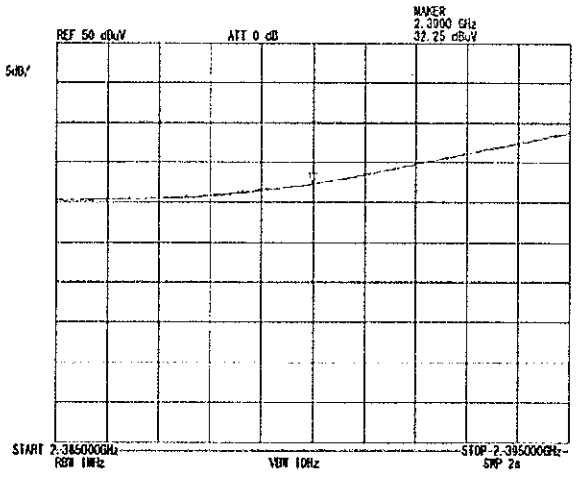
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK ⊂ 1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/29
SERIAL NUMBER	: 230001	TEMP./HUMI	: 22℃/43%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Makoto Hosaka
REMARKS	: Antenna model:WA-E1		

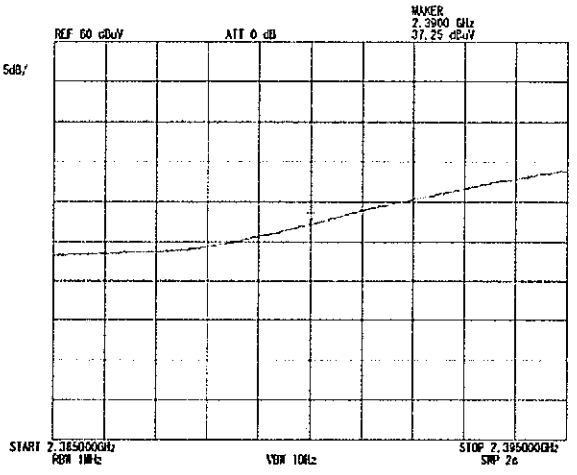
[IEEE802.11g(54Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/AV



2. Vertical/AV



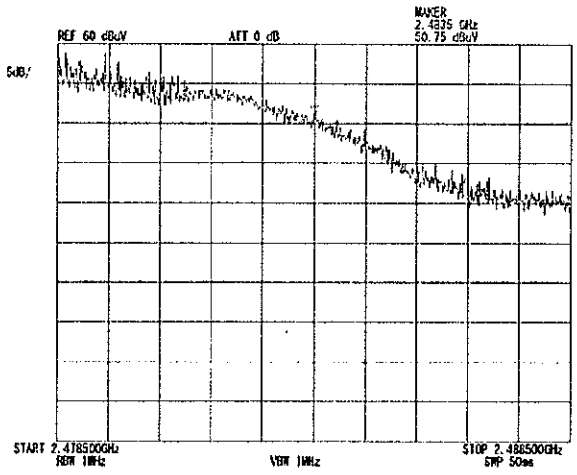
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/29
SERIAL NUMBER	: 230001	TEMP./HUMI	: 22℃/43%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Makoto Hosaka
REMARKS	: Antenna model:WA-E1		

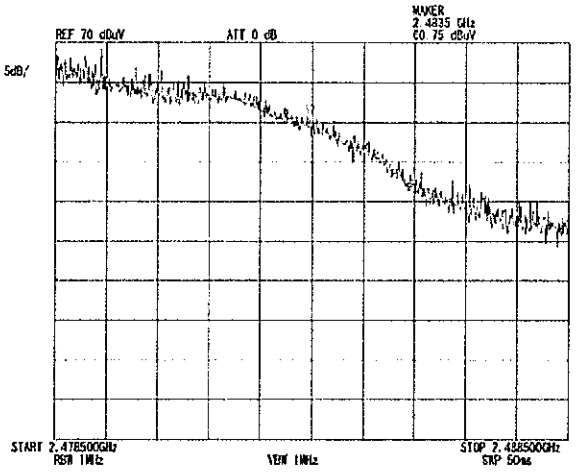
[IEEE802.11g(54Mbps)]

2.4835GHz(CH11;2462MHz)

1. Horizontal/PK



2. Vertical/PK



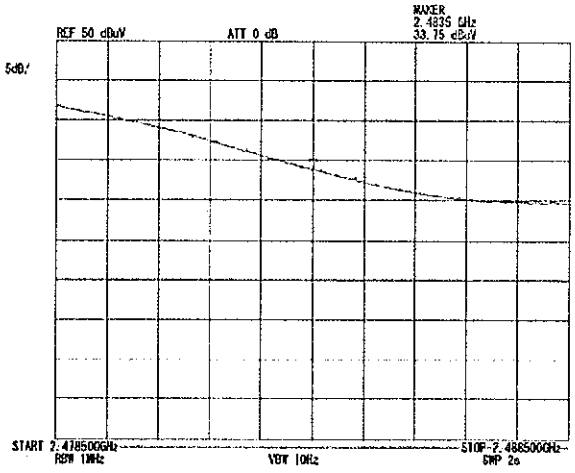
Restricted band edges: FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/10/29
SERIAL NUMBER	: 230001	TEMP./HUMI	: 22°C/43%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Makoto Hosaka
REMARKS	: Antenna model:WA-E1		

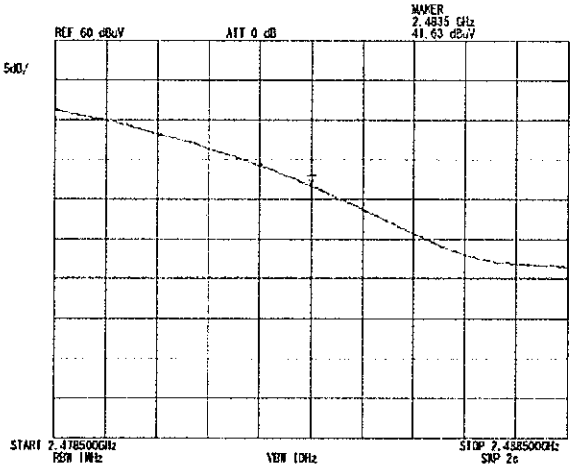
[IEEE802.11g(54Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/AV



2. Vertical/AV



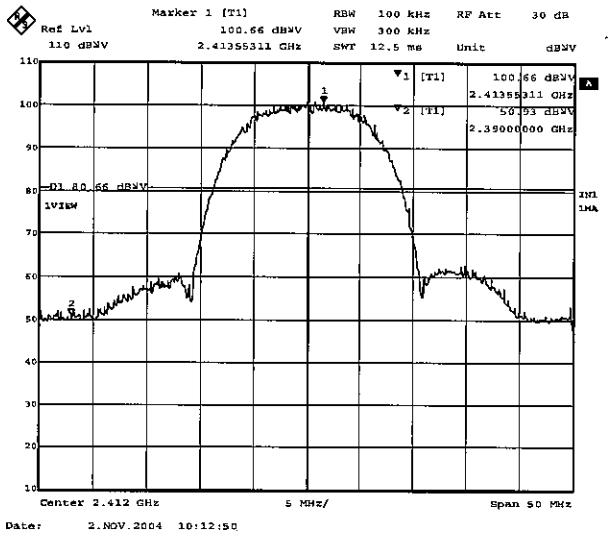
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

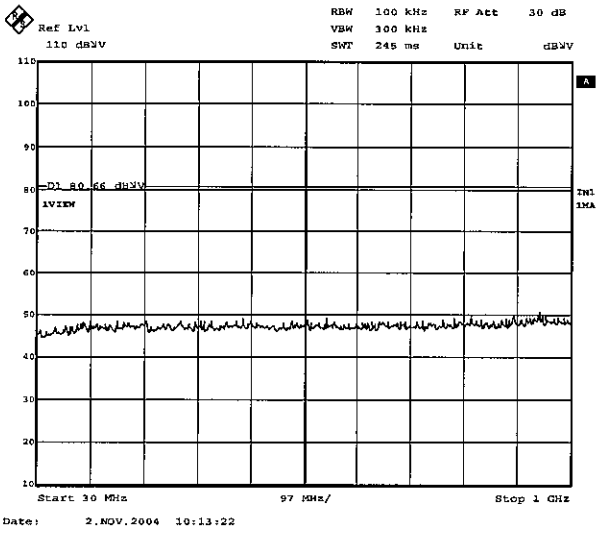
[IEEE802.11b(11Mbps)]

Ch1:2412MHz

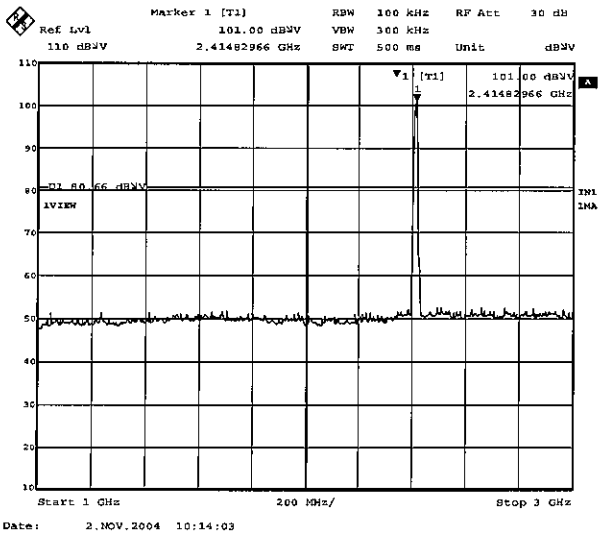
1.



2.



3.



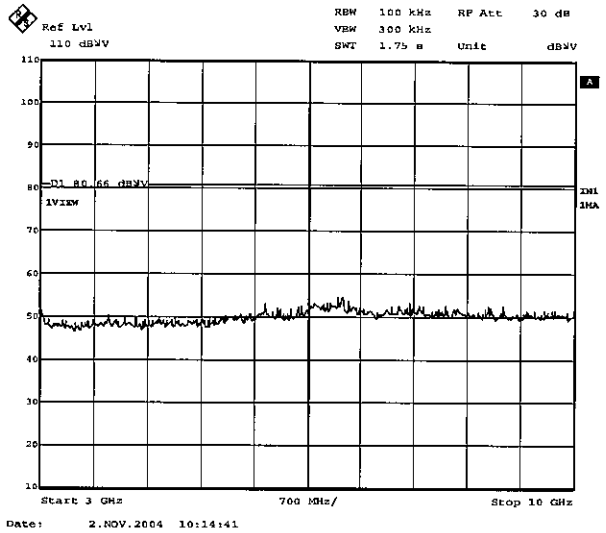
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

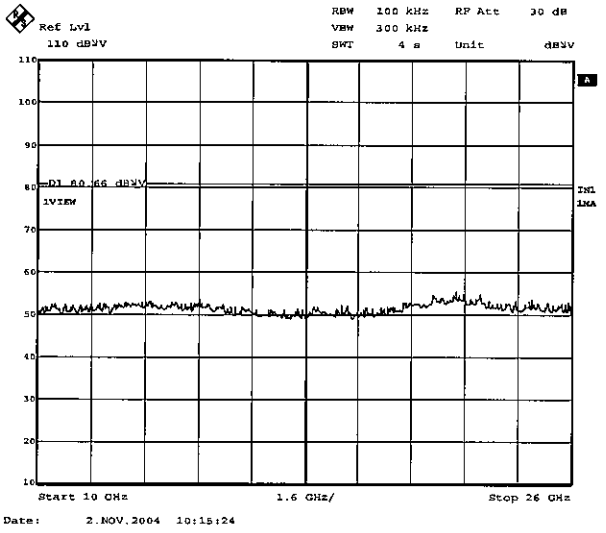
[IEEE802.11b(11Mbps)]

Ch1:2412MHz

4.



5.



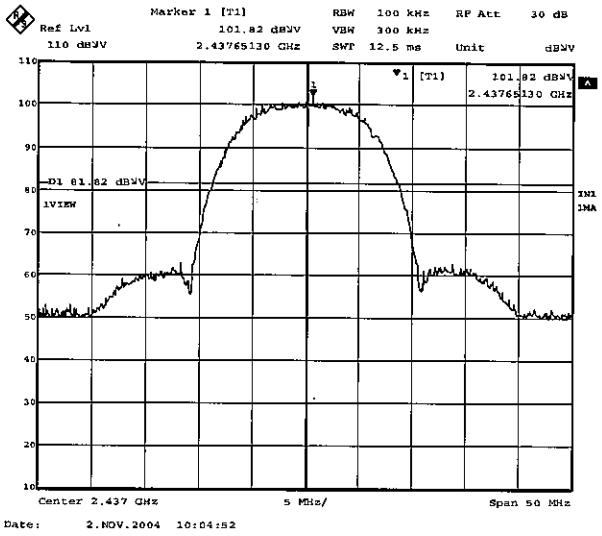
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26°C/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

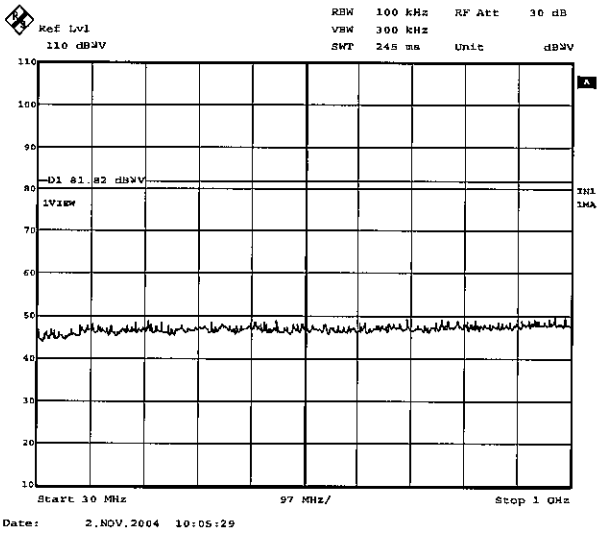
[IEEE802.11b(11Mbps)]

Ch6:2437MHz

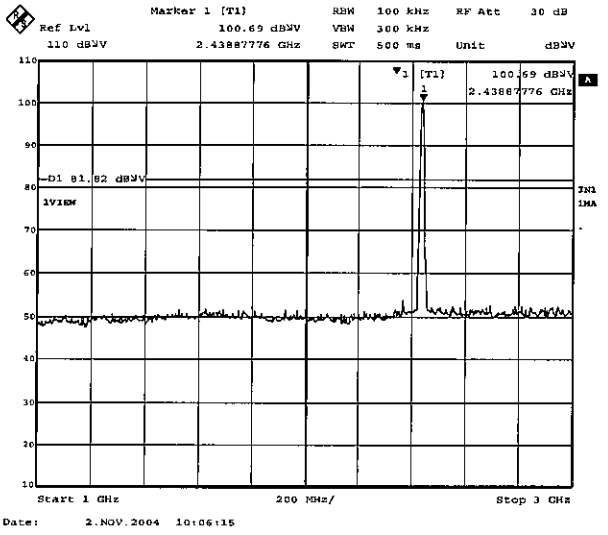
1.



2.



3.



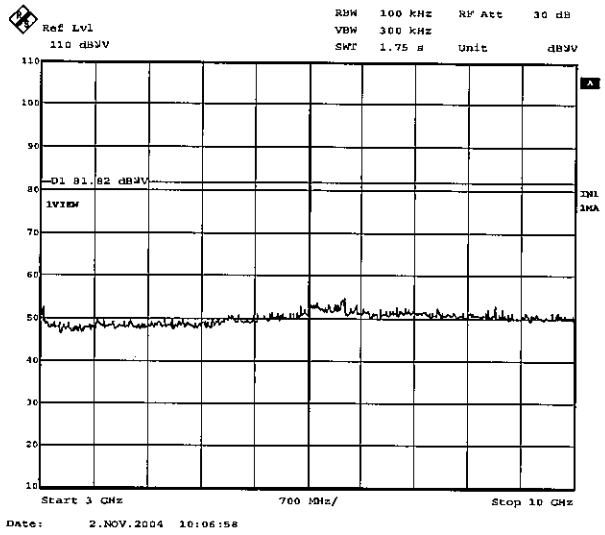
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26°C/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

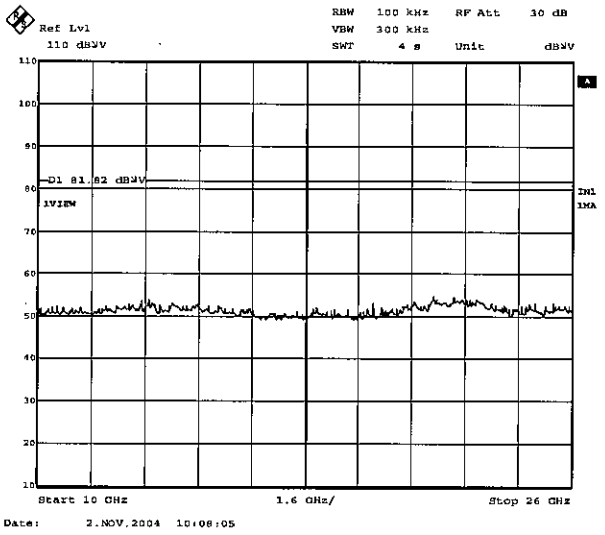
[IEEE802.11b(11Mbps)]

Ch6:2437MHz

4.



5.



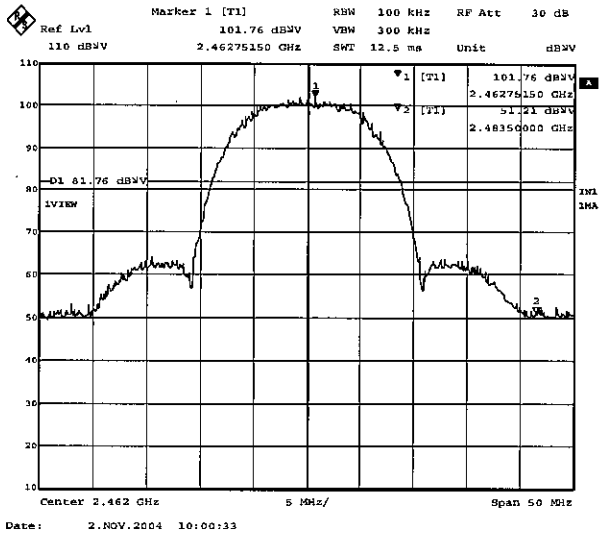
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

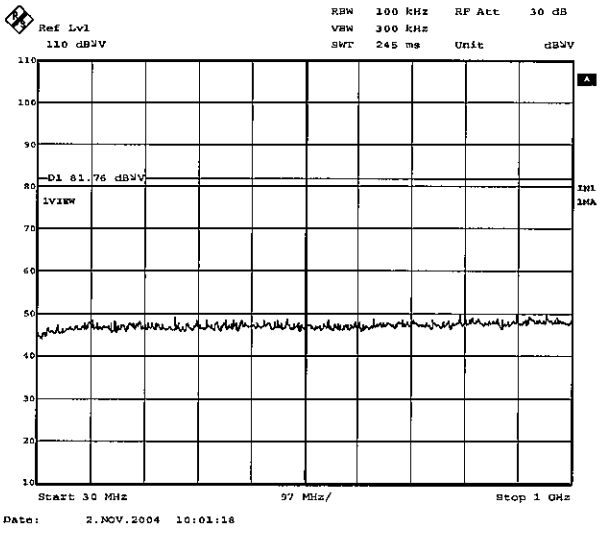
[IEEE802.11b(11Mbps)]

Ch11:2462MHz

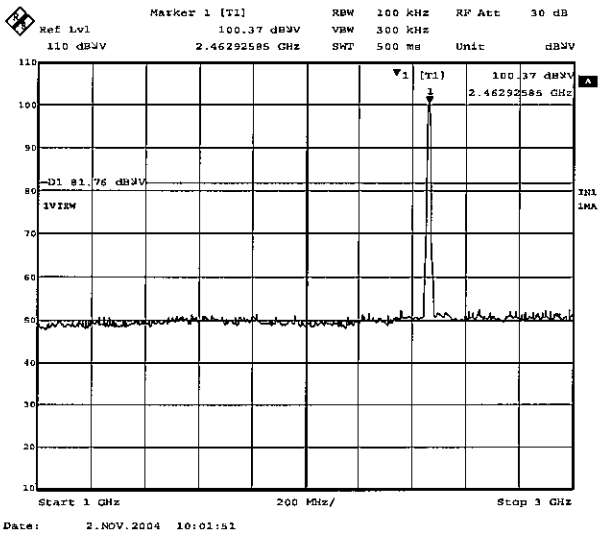
1.



2.



3.



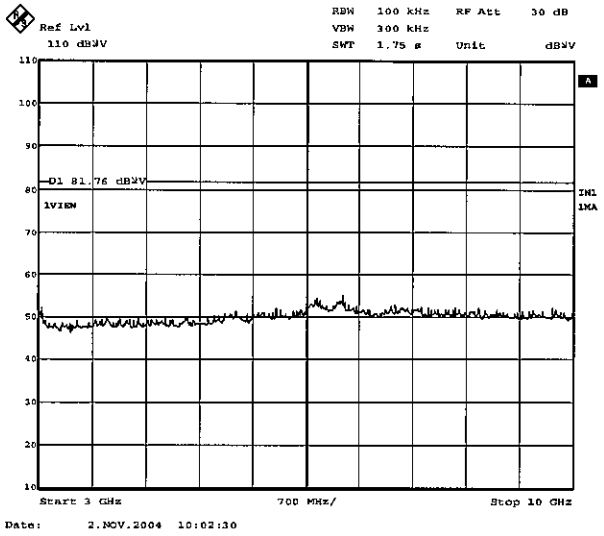
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26°C/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

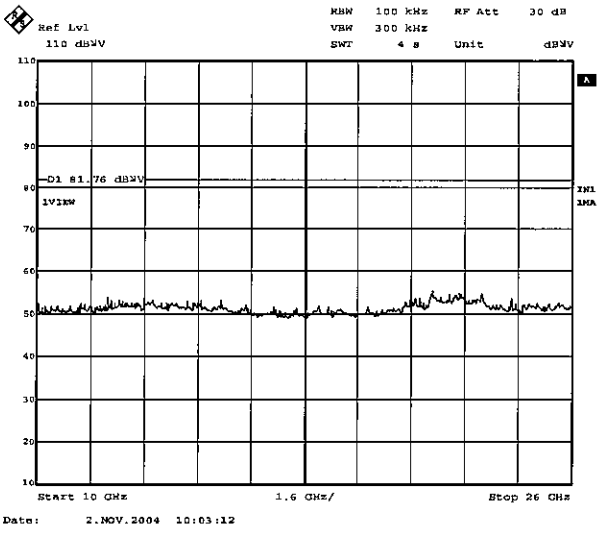
[IEEE802.11b(11Mbps)]

Ch11:2462MHz

4.



5.



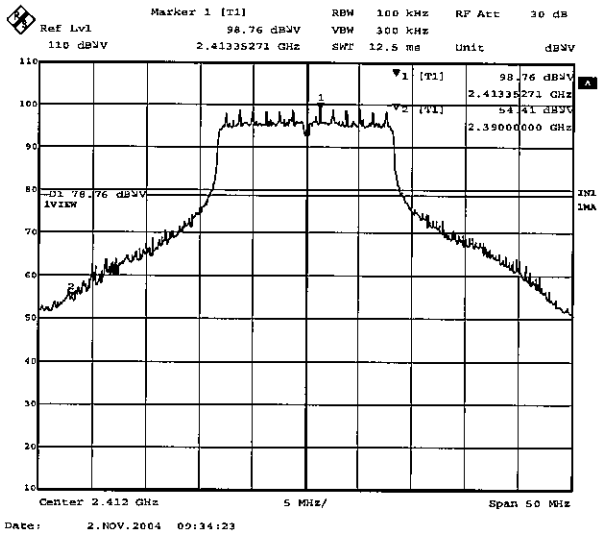
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26°C/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g(54Mbps)]

Ch1:2412MHz

1.



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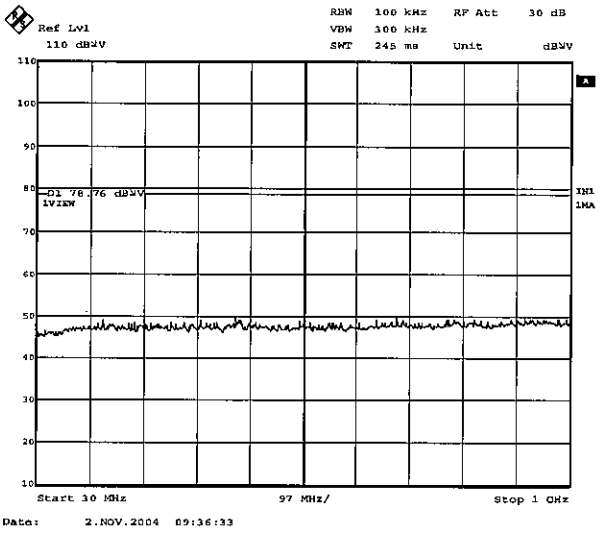

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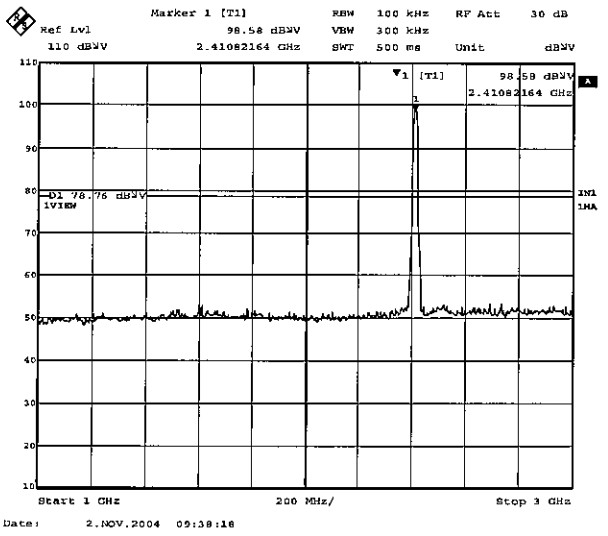


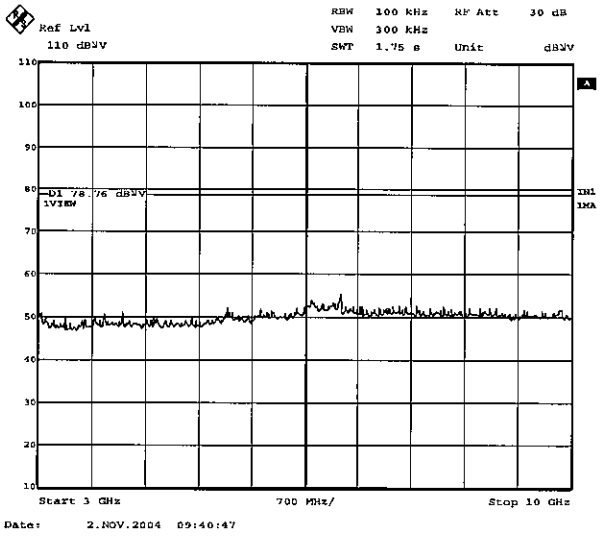
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g(54Mbps)]

Ch1:2412MHz

4.



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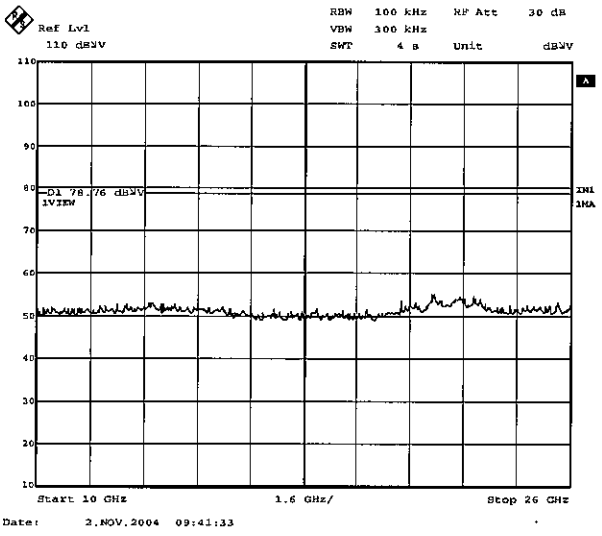


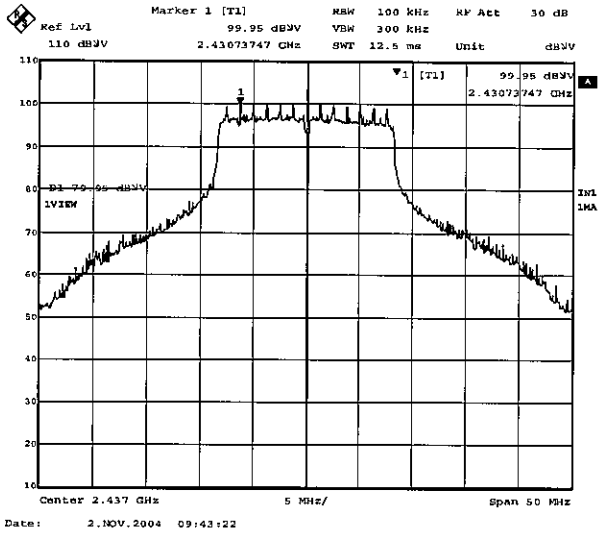
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g(54Mbps)]

Ch6:2437MHz

1.



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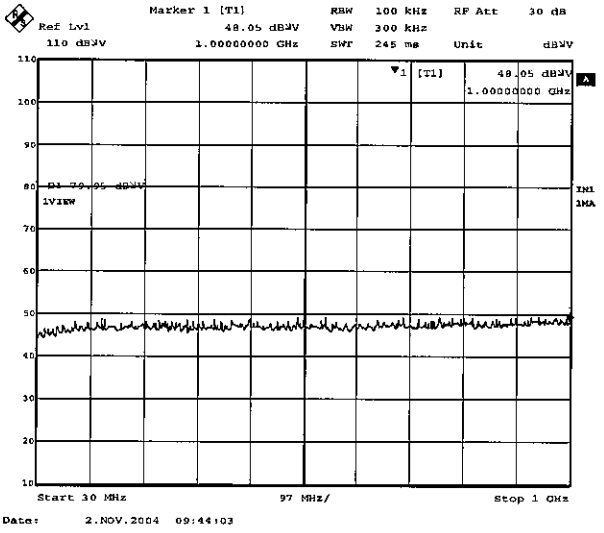

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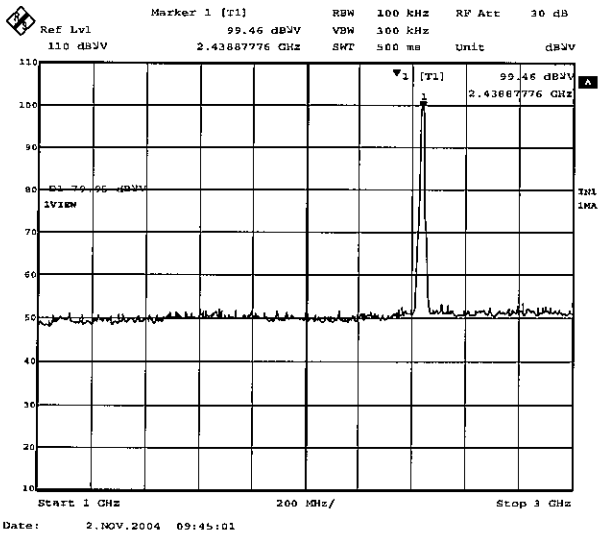


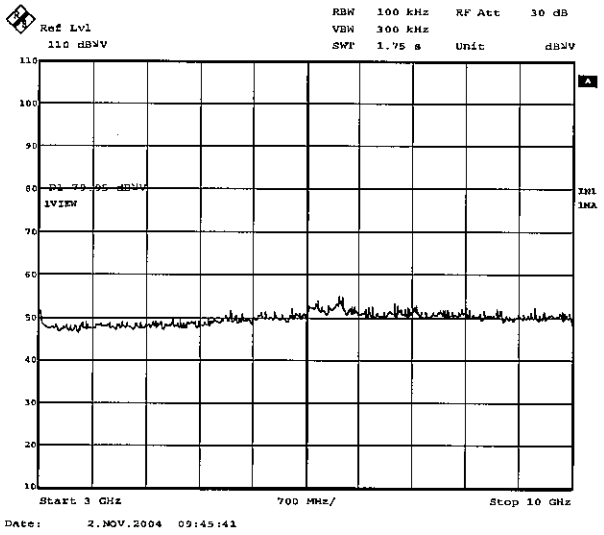
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g(54Mbps)]

Ch6:2437MHz

4.



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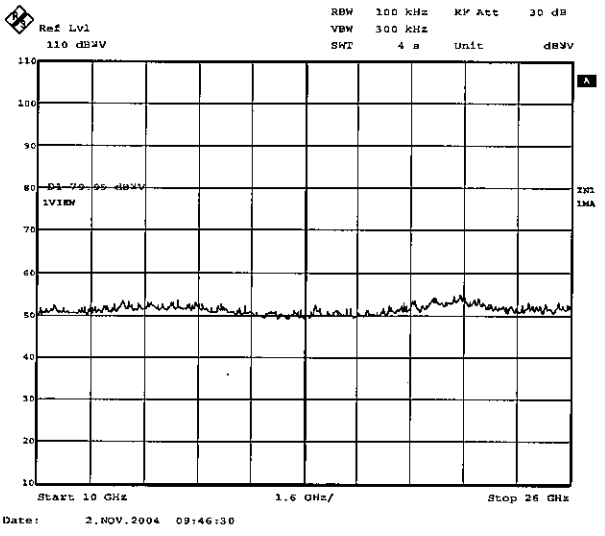


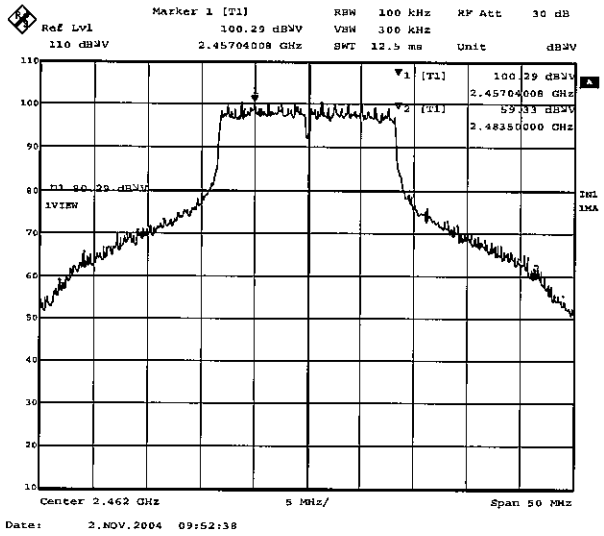
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g(54Mbps)]

Ch11:2462MHz

1.



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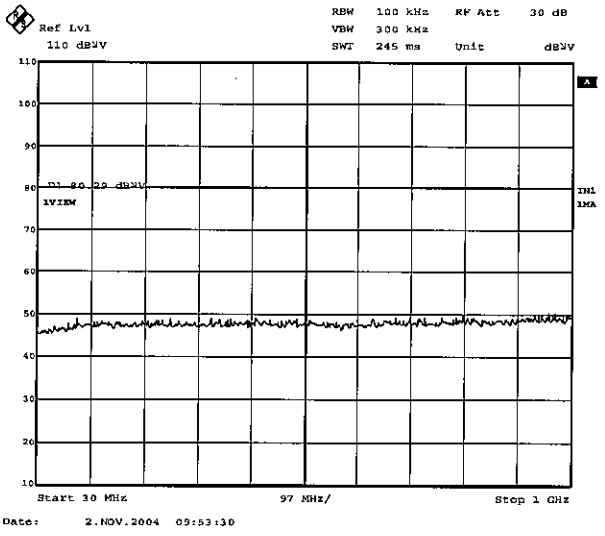

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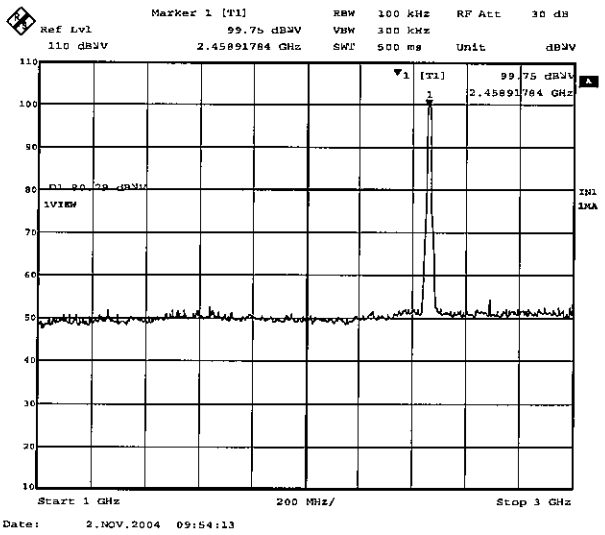


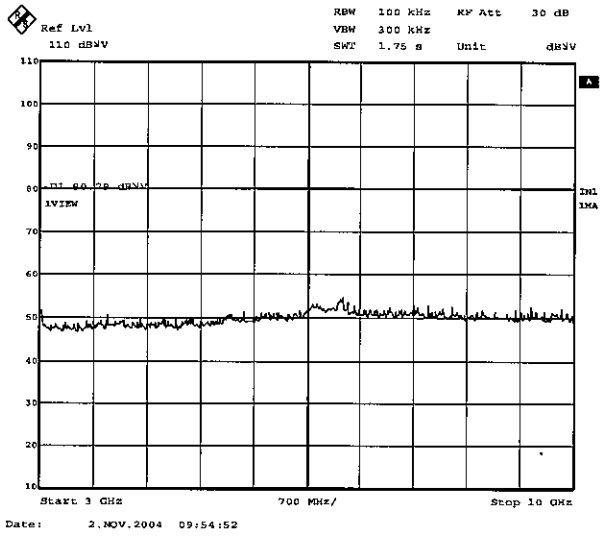
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g(54Mbps)]

Ch11:2462MHz

4.



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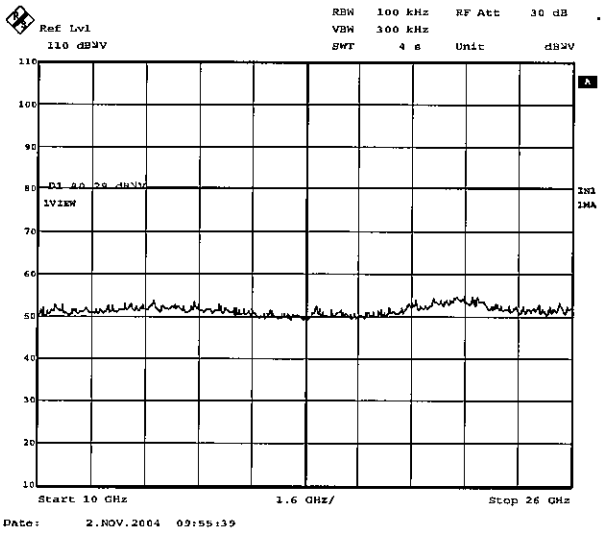


Power Density (Conducted)

UL Apex Co.,Ltd
YAMAKITA NO.3 Shielded Room

COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(e)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02		
POWER	: AC120V/60Hz		
TEST MODE	: Transmitting		

ENGINEER : Toyokazu Imamura

IEEE802.11b(11Mbps)

CH	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit [dBm]	MARGIN [dB]
Low	2413.95262	-17.18	0.2	-16.98	8.0	25.0
Mid	2437.79259	-16.94	0.2	-16.74	8.0	24.7
High	2462.42786	-15.10	0.2	-14.9	8.0	22.9

IEEE802.11g(54Mbps)

CH	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit [dBm]	MARGIN [dB]
Low	2412.01804	-18.59	0.2	-18.39	8.0	26.4
Mid	2437.02004	-20.70	0.2	-20.5	8.0	28.5
High	2462.02004	-17.10	0.2	-16.9	8.0	24.9

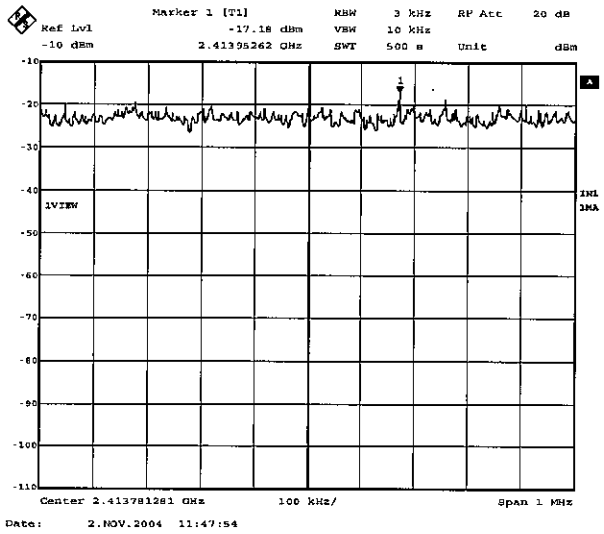
Power Density: FCC 15.247(e)

UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

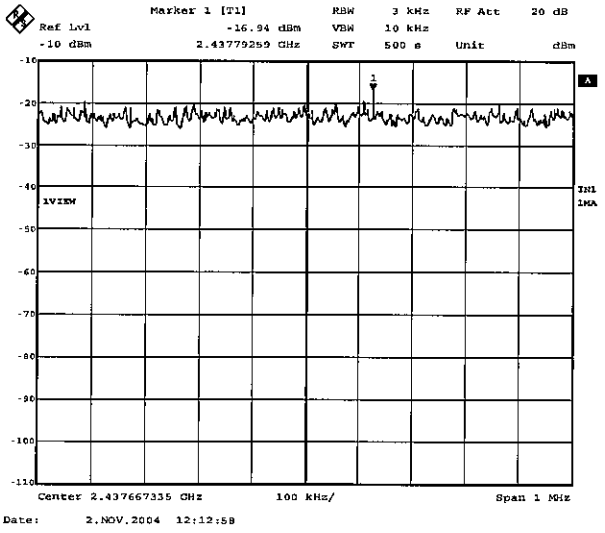
COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(e)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11b(11Mbps)]

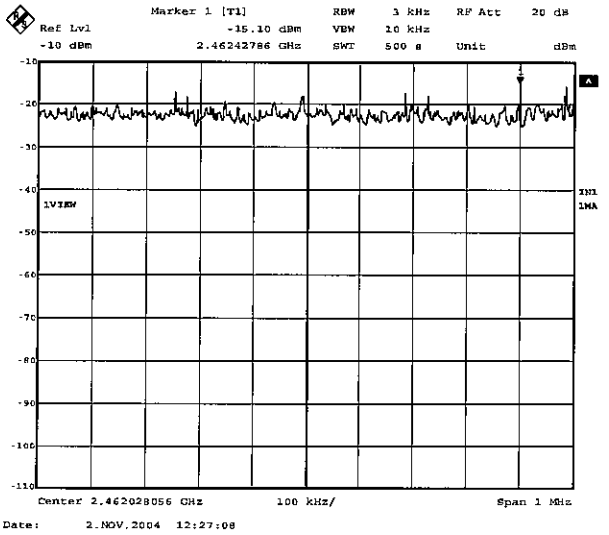
1. ch 1: 2412MHz



2. ch 6: 2437MHz



3. ch 11: 2462MHz



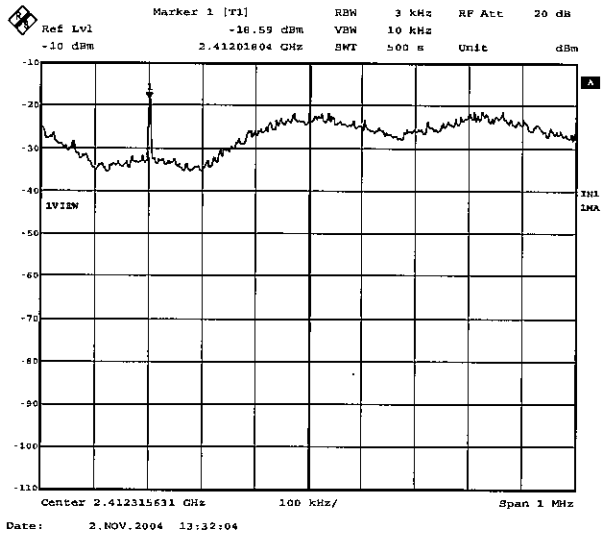
Power Density: FCC 15.247(e)

UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

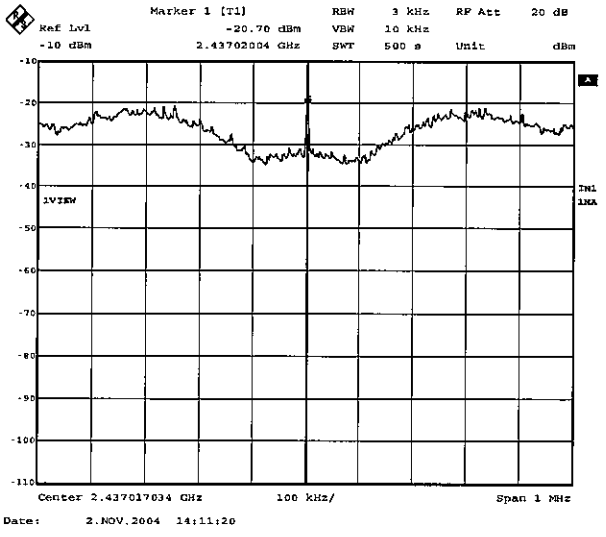
COMPANY	: NIKON CORPORATION	REPORT NO	: 25BE0195-YK-1
EQUIPMENT	: Wireless Transmitter	REGULATION	: Fcc Part15SubpartC 247(e)
MODEL NUMBER	: WT-2A	DATE	: 2004/11/02
SERIAL NUMBER	: 230001	TEMP./HUMI	: 26℃/64%
FCC ID	: CGJWT02	TEST MODE	: Transmitting
POWER	: AC120V/60Hz	ENGINEER	: Toyokazu Imamura

[IEEE802.11g(54Mbps)]

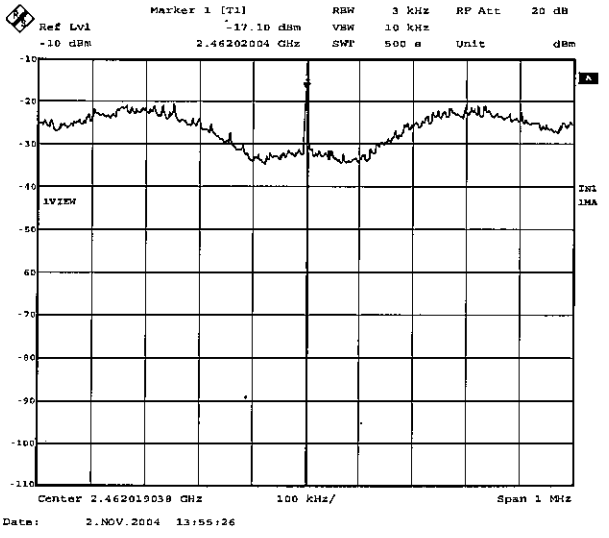
1. ch 1: 2412MHz



2. ch 6: 2437MHz



3. ch 11: 2462MHz



Test Report No :25BE0195-YK-1

APPENDIX 3
Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
KAF-03	Pre Amplifier	Hewlett Packard	8447D	RE	2004/09/10 * 12
KAF-04	Pre Amplifier	Agilent	8449B	RE	2004/05/06 * 12
KAT10-S1	Attenuator	Agilent	8449D 010	RE	2004/04/15 * 12
KAT6-04	Attenuator	INMET	18N-6dB	RE	2004/04/27 * 12
KBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2004/08/07 * 12
KCC-20/21/22/23/29	Coaxial Cable	Fujikura/Suhner	8D-2W/12D-SFA/S04272B/S04272B	RE	2004/09/10 * 12
KCC-24/25/26/28/KPL-02	Coaxial Cable/Pulse Limitter	Fujikura/Suhner/PMM	5D-2W/5D-2W/S04272B/S04272B/PL01	CE	2004/09/10 * 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-02	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2004/09/25 * 12
KHA-04	Horn Antenna	EMCO	3160-09	RE	2004/05/01 * 12
KLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2004/08/07 * 12
KLS-05	LISN(AMN)	Schwarzbeck	NSLK8126	CE	2004/09/17 * 12
KOTS-02	Open Test Site	JSE	10m	RE	2004/08/09 * 12
KPM-05	Power meter	Agilent	E4417A	AT	2004/02/26 * 12
KPSS-01	Power sensor	Agilent	E9327A	AT	2004/03/02 * 12
KSA-02	Spectrum Analyzer	Advantest	R3265A	CE/RE	2004/11/18 * 12
KSA-04	Spectrum Analyzer	Advantest	R3271A	RE	2004/09/15 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ESI40	CE/AT	2004/07/28 * 12
KTR-04	Test Receiver	Rohde & Schwarz	ESVS10	RE	2004/10/18 * 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 terminal conducted test