

## **EMI TEST REPORT**

**Test Report No. : 23CE0012-YK-1**

**Applicant:** MATSUSHITA COMMUNICATION INDUSTRIAL CO., LTD  
**Type of Equipment:** Display Assy, television  
**Model No.:** CX-WT0260A(CX-WT0262A)/CX-WT8260A(CX-WT8261A)  
**FCC ID:** ACK932CX-WT001  
**Test standard:** FCC Part15 Subpart C, Section 15.231  
Except FCC 15.231(a)(1) Automatically deactivate  
**Test Result:** Complied

1. This test report shall not be reproduced except in full or partial, without the written approval of A-Pex International Co., Ltd.
2. The results in this report apply only to the sample tested.

**Date of test:** October 18, 2002

**Tested by:**   
Toyokazu Imamura  
EMC section

**Approved by:**   
Osamu Watatani  
Site Assistant Manager of Yamakita Lab.

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**A-Pex International Co., Ltd.**  
**YAMAKITA LAB.**

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MF060b(23.04.02)

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## 1 GENERAL INFORMATION

Company Name : MATSUSHITA COMMUNICATION INDUSTRIAL CO.,LTD  
Brand Name : National / Panasonic  
Address : 600 Saedo-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken, 224-8539 JAPAN  
Telephone Number : +81 45 939 1651  
Facsimile Number : +81 45 938 3472  
Contact Person : Yoshifumi Yuasa  
Type of Equipment : Display Assy, television  
Model No. : CX-WT0260A(CX-WT0262A)/CX-WT8260A(CX-WT8261A)  
Rating : DC5V (SWITCH BOX:DC12V)  
Country of Manufacture : Japan  
Receipt Date of Sample : October 18, 2002  
Condition of EUT : Production prototype  
Regulation(s) : FCC Part15 Subpart C, Section 15.231  
Except FCC 15.231(a)(1) Automatically deactivate  
Test Site : A-Pex Yamakita No.2 Open Test Site

### 1.1 Tested Methodology

The measurement was performed according to the procedures in ANSI C63.4 (2000).

### 1.2 Test Facility

This site has been fully described in a report dated November 24, 1999 submitted to FCC office, and accepted in a letter dated December 8, 2000 (No.2 Open Test Site: 99354).

NVLAP Lab. code : 200441-0

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## 2 PRODUCT DESCRIPTION

National / Panasonic, Model: CX-WT0260A(CX-WT0262A)/CX-WT8260A(CX-WT8261A) (referred to as the EUT in this report) is a Display Assy, television.

Frequency characteristics:	433.92MHz
No. of channels/ channel spacing:	1 channel
Modulation:	ASK (Amplitude Shift Keying)
Antenna type :	Loop Antenna (PCB TRACE)
Operating Voltage:	DC5V (SWITCH BOX:DC12V)

The EUT is a DVD Player with TFT display for custom use in a car.

The test was performed on CX-WT0260A, since CX-WT0260A and CX-WT0262A have same specification except for the attachments.

The test was also performed on CX-WT8260A, since CX-WT8260A and CX-WT8261A have same specification except for the color.

No.	Part	Frequency
1	Main CPU	12.461MHz
2	DVD Deck	126MHz
3	TFT CPU	7.2MHz
4	Chroma IC	3.579MHz
5	TFT Controller PLL	27MHz
6	Inverter circuit for Back Light	50MHz
7	TFT DC/ DC	350MHz
8	Locator Transmitter circuit	433.92MHz
9	Modulation circuit for Wireless HP	2.3MHz, 2.8MHz
10	Main DC/ DC	150MHz

Model	CX-WT0260A	CX-WT0262A	CX-WT8260A	CX-WT8261A
BKT attached vehicles	for vehicles with the normal roof	for vehicles with the sun roof	-	
color	Black		Ivory	Gray
function	equal in every report			
fundamental output module	PN: BMD970203A (ALPS ELECTRIC CO., LTD.)			

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### 3 SYSTEM TEST CONFIGURATION

#### 3.1 Justification

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

Test mode : Transmitting mode

(Speaker:off / Headphone:on /transmitter:on-continue )

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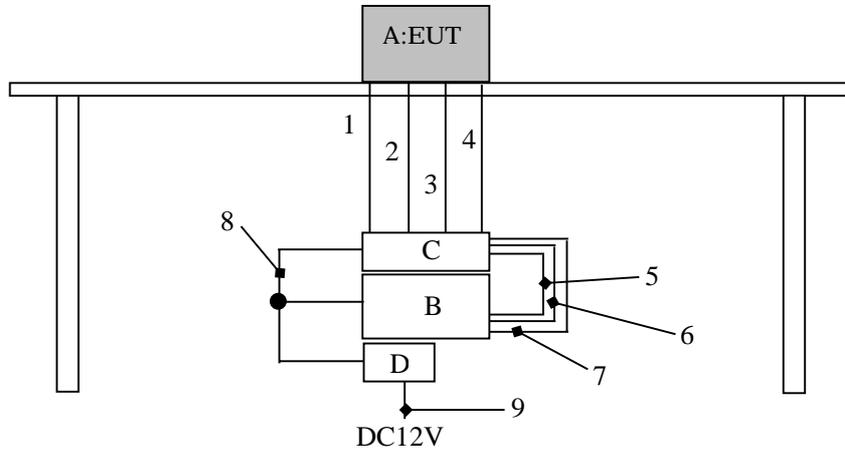
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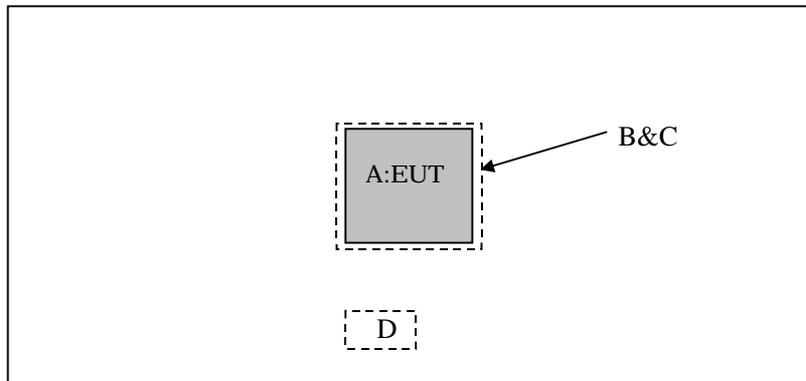
### 3.2 Configuration of Tested System

#### Front View



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

#### Top View



\*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
A	Display Assy, television	CX-WT0260A	10013	National / Panasonic	ACK932CX-WT001
		CX-WT8260A	10002	National / Panasonic	
B	HEAD UNIT	86120-08150	19C00003	Fujitsu-Ten	-
C	RSE-ECU	86104-34011	-	DENSO	-
D	SWITCH BOX	-	-	KYODODENSHI	-

Meshed column are represented EUT.

**List of cables used**

No.	Name	Length (m)	Shield	Backshell material
1	DC Power Cable	1.5	Unshielded	Plastic
2	AVC-LAN Cable	1.5	Unshielded	Plastic
3	Sound Cable	1.5	Shielded	Plastic
4	Picture Cable	1.5	Shielded	Plastic
5	AVC-LAN Cable	1.5	Unshielded	Plastic
6	Sound Cable	1.5	Shielded	Plastic
7	Picture Cable	1.5	Shielded	Plastic
8	DC Power Cable	1.5	Unshielded	Plastic
9	DC Cable	0.6	Unshielded	Polyvinyl chloride

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## 4 MEASUREMENT UNCERTAINTY

### Radiated emission test

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

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

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

The data listed in this test report may exceed the test limit because it does not have enough margin.

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## 5 SUMMARY OF TESTS

### 5.1 § 15.231(b) Filed Strength (Radiated Emissions)

#### **Test Procedure**

EUT was placed on a platform of nominal size, 1m by 1.5m, 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 on an open test 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 measurements were performed for both vertical and horizontal antenna polarization.

EUT emission levels were compared when the EUT antenna position was vertical polarization and horizontal polarization.

The Radiated Electric Field Strength intensity has been measured on an open test site with a ground plane and at a distance of 3m.

#### **Maximum Filed Strength of Fundamental**

Measurement range : CISPR QP Detector, IF BW 120kHz

**Test data** : APPENDIX Page13 and 15  
**Test result** : Pass  
**Test instruments** : KCC-20/21/22/23/29,KLA-02,KAF-05,KAT6-03,KSA-02,KTR-01,KOTS-02

#### **Filed Strength of Spurious emissions**

Measurement range : 30MHz to 1000MHz CISPR QP Detector, IF BW 120kHz  
: 1GHz to 4.5GHz PK and AV Detector

**Test data** : APPENDIX Page13 to 16  
**Test result** : Pass  
**Test instruments** : KCC-20/21/22/23/29,KBA-02,KLA-02,KHA-02,KAF-04,KAF-05,KAT6-03,  
KSA-02,KTR-01,KOTS-02,KCC-D8/D9/D10

### 5.2 § 15.231(c) 20dB Bandwidth

Bandwidth Limit :  $433.92\text{MHz} * 0.25\% = 1.0848\text{MHz}$

1.CX-WT0260A(CX-WT0262A) : 40.681kHz < 1.0848MHz

2.CX-WT8260A(CX-WT8261A) : 41.482kHz < 1.0848MHz

**Test data** : APPENDIX Page17  
**Test result** : Pass  
**Test instruments** : KCC-20/21/22/23/29,KLA-02,KAF-05,KTR-01,KOTS-02

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

Page 11-12 : Filed Strength (Radiated emission)

### **APPENDIX 2: Test Data**

1. Page 13 - 16: Filed Strength of Fundamental and Spurious Emission (Radiated emission)  
2. Page 17 : 20dB Bandwidth (Radiated )

### **APPENDIX 3: Test instruments**

Page 18 : Test instruments

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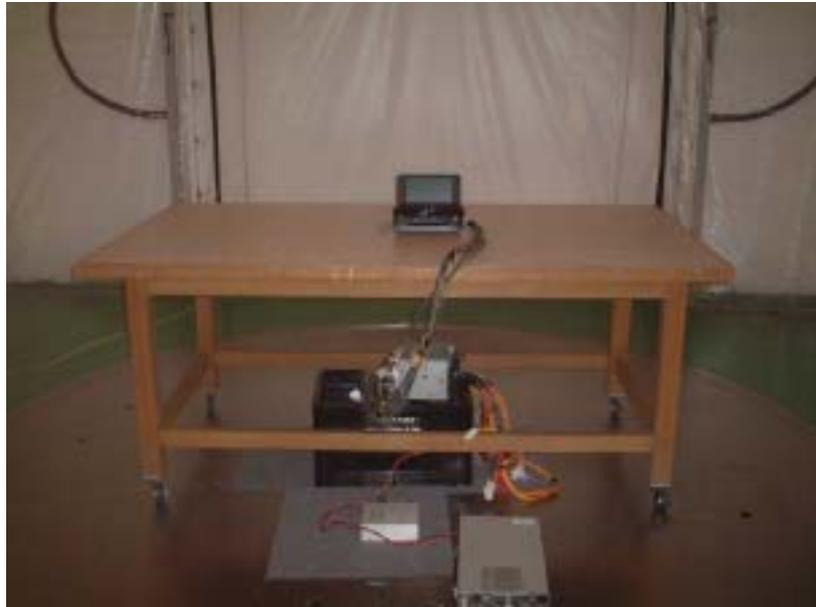
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**Filed Strength of Fundamental and Spurious Emission (Radiated emission)  
(CX-WT0260A)**



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**Filed Strength of Fundamental and Spurious Emission (Radiated emission)  
(CX-WT8260A)**



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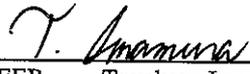
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# Date of carrier and supurious emissions

A-PEX INTERNATIONAL CO., LTD.  
YAMAKITA NO.2 OPEN SITE  
Report No. : 23CE0012-YK-1

Company : MATSUSHITA COMMUNICATION INDUSTRIAL CO.,LTD	Regulation : FCC Part15C Section 15.231
Equipment : Display Assy, television	Test Distance : 3m
Model : CX-WT0260A	Date : 2002/10/18
Sample No. : 10013	Temperature : 29deg.C
Power : DC 5V	Humidity : 58%
Mode : Transmitting (433.92MHz)	
FCC ID : ACK932CX-WT001	

  
ENGINEER : Toyokazu Imamura

**Below 1GHz PK DETECT (Test Receiver: BW 120kHz)**  
**Above 1GHz AV DETECT (Test Receiver: BW 1MHz)**

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
1	433.95	75.7	70.8	17.5	29.1	4.8	5.8	74.7	69.8	80.8	6.1	11.0
2	867.88	47.6	45.7	22.3	29.2	7.2	5.8	53.7	51.8	60.8	7.1	9.0
3	1301.76	35.0	37.1	26.5	35.7	3.9	0.0	29.7	31.8	54.0	24.3	22.2
4	1735.68	42.4	43.4	27.5	35.1	4.7	0.0	39.5	40.5	60.8	21.3	20.3
5	2169.60	31.3	31.3	29.0	34.9	5.3	0.0	30.7	30.7	60.8	30.1	30.1
6	2603.52	30.6	30.5	30.1	34.9	5.6	0.0	31.4	31.3	60.8	29.4	29.5
7	3037.44	30.3	30.4	30.0	34.9	6.1	0.0	31.5	31.6	60.8	29.3	29.2
8	3471.36	30.1	30.2	29.8	35.1	6.7	0.0	31.5	31.6	60.8	29.3	29.2
9	3905.28	29.6	29.6	31.7	35.6	7.1	0.0	32.8	32.8	54.0	21.2	21.2
10	4339.20	29.0	29.0	32.3	35.4	7.5	0.0	33.4	33.4	54.0	20.6	20.6

**Above 1GHz PK DETECT (Test Receiver: BW 1MHz)**

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
3	1301.76	47.8	48.5	26.5	35.7	3.9	0.0	42.5	43.2	74.0	31.5	30.8
4	1735.68	55.9	56.8	27.5	35.1	4.7	0.0	53.0	53.9	74.0	21.0	20.1
5	2169.60	44.3	44.3	29.0	34.9	5.3	0.0	43.7	43.7	74.0	30.3	30.3
6	2603.52	43.5	43.4	30.1	34.9	5.6	0.0	44.3	44.2	74.0	29.7	29.8
7	3037.44	43.3	42.7	30.0	34.9	6.1	0.0	44.5	43.9	74.0	29.5	30.1
8	3471.36	43.5	43.4	29.8	35.1	6.7	0.0	44.9	44.8	74.0	29.1	29.2
9	3905.28	42.5	42.4	31.7	35.6	7.1	0.0	45.7	45.6	74.0	28.3	28.4
10	4339.20	41.5	41.6	32.3	35.4	7.5	0.0	45.9	46.0	74.0	28.1	28.0

**REMARKS**

ANTENNA TYPE: 30-300MHz Biconical / 300-1000MHz Logperiodic / 1-4.5GHz DRG Horn  
 CALCULATION(30MHz to 1000MHz) : READING + ANT Factor - AMP Gain + ATTEN + Cable Loss  
 \*Except for the above table : All other spurious emissions were less than 20dB for the limit.

# Date of carrier and supurious emissions (30MHz to 4.5GHz)

A-PEX INTERNATIONAL CO., LTD.  
YAMAKITA NO.2 OPEN SITE

Report No. : 23CE0012-YK-1

Company : MATSUSHITA COMMUNICATION INDUSTRIAL CO.,LTD  
 Equipment : Display Assy, television Regulation : FCC Part15C Section 15.231  
 Model : CX-WT0260A Test Distance : 3m  
 Sample No. : 10013 Date : 2002/10/18  
 Power : DC 5V Temperature : 29deg.C  
 Mode : Transmitting (433.92MHz) Humidity : 58%  
 FCC ID : ACK932CX-WT001

  
ENGINEER : Toyokazu Imamura

**Below 1GHz PK DETECT (Test Receiver: BW 120kHz)**  
**Above 1GHz AV DETECT (Test Receiver: BW 1MHz)**

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
1	99.70	37.8	37.5	9.8	28.6	2.1	5.8	26.9	26.6	60.8	33.9	34.2
2	252.00	46.9	38.9	16.6	28.0	3.5	5.8	44.8	36.8	46.0	1.2	9.2
3	332.31	36.7	27.4	15.4	28.1	4.1	5.8	33.9	24.6	46.0	12.1	21.4
4	365.53	32.7	26.2	16.3	28.5	4.4	5.8	30.7	24.2	60.8	30.1	36.6
5	419.97	45.7	47.0	17.4	28.9	4.7	5.8	44.7	46.0	60.8	16.1	14.8
6	564.92	40.8	42.7	19.2	29.4	5.6	5.8	42.0	43.9	60.8	18.8	16.9
7	598.15	32.2	30.1	19.9	29.8	5.8	5.8	33.9	31.8	60.8	26.9	29.0
8	755.98	32.2	33.4	20.7	29.6	6.6	5.8	35.7	36.9	60.8	25.1	23.9
9	1260.00	45.5	41.0	26.5	35.8	3.8	0.0	40.0	35.5	60.8	20.8	25.3
10	2520.90	37.0	31.9	30.1	34.9	5.6	0.0	37.8	32.7	60.8	23.0	28.1

**Above 1GHz PK DETECT (Test Receiver: BW 1MHz)**

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
9	1260.00	52.6	50.2	26.5	35.8	3.8	0.0	47.1	44.7	74.0	26.9	29.3
10	2520.90	55.7	44.2	30.1	34.9	5.6	0.0	56.5	45.0	74.0	17.5	29.0

**REMARKS**

ANTENNA TYPE: 30-300MHz Biconical / 300-1000MHz Logperiodic / 1-4.5GHz DRG Horn  
 CALCULATION(30MHz to 1000MHz) : READING + ANT Factor - AMP Gain + ATTEN + Cable Loss  
 \*Except for the above table : All other spurious emissions were less than 20dB for the limit.

# Date of carrier and supurious emissions

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YAMAKITA NO.2 OPEN SITE

Report No. : 23CE0012-YK-1

Company : MATSUSHITA COMMUNICATION INDUSTRIAL CO.,LTD	Regulation : FCC Part15C Section 15.231
Equipment : Display Assy, television	Test Distance : 3m
Model : CX-WT8260A	Date : 2002/10/18
Sample No. : 10002	Temperature : 29deg.C
Power : DC 5V	Humidity : 58%
Mode : Transmitting (433.92MHz)	
FCC ID : ACK932CX-WT001	

  
 ENGINEER : Toyokazu Imamura

**Below 1GHz PK DETECT(Test Receiver: BW 120kHz)**

**Above 1GHz AV DETECT (Test Receiver: BW 1MHz)**

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
1	433.95	71.3	67.5	17.5	29.1	4.8	5.8	70.3	66.5	80.8	10.5	14.3
2	867.88	50.7	50.6	22.3	29.2	7.2	5.8	56.8	56.7	60.8	4.0	4.1
3	1301.76	40.7	35.3	26.5	35.7	3.9	0.0	35.4	30.0	54.0	18.6	24.0
4	1735.68	48.8	42.2	27.5	35.1	4.7	0.0	45.9	39.3	60.8	14.9	21.5
5	2169.60	31.3	31.3	29.0	34.9	5.3	0.0	30.7	30.7	60.8	30.1	30.1
6	2603.52	30.6	30.7	30.1	34.9	5.6	0.0	31.4	31.5	60.8	29.4	29.3
7	3037.44	30.4	30.4	30.0	34.9	6.1	0.0	31.6	31.6	60.8	29.2	29.2
8	3471.36	30.3	30.4	29.8	35.1	6.7	0.0	31.7	31.8	60.8	29.1	29.0
9	3905.28	29.6	29.6	31.7	35.6	7.1	0.0	32.8	32.8	54.0	21.2	21.2
10	4339.20	29.0	29.0	32.3	35.4	7.5	0.0	33.4	33.4	54.0	20.6	20.6

**Above 1GHz PK DETECT (Test Receiver: BW 1MHz)**

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
3	1301.76	50.9	47.5	26.5	35.7	3.9	0.0	45.6	42.2	74.0	28.4	31.8
4	1735.68	57.6	52.5	27.5	35.1	4.7	0.0	54.7	49.6	74.0	19.3	24.4
5	2169.60	43.8	44.4	29.0	34.9	5.3	0.0	43.2	43.8	74.0	30.8	30.2
6	2603.52	44.4	43.8	30.1	34.9	5.6	0.0	45.2	44.6	74.0	28.8	29.4
7	3037.44	43.4	43.5	30.0	34.9	6.1	0.0	44.6	44.7	74.0	29.4	29.3
8	3471.36	42.5	43.3	29.8	35.1	6.7	0.0	43.9	44.7	74.0	30.1	29.3
9	3905.28	42.7	42.5	31.7	35.6	7.1	0.0	45.9	45.7	74.0	28.1	28.3
10	4339.20	41.6	42.5	32.3	35.4	7.5	0.0	46.0	46.9	74.0	28.0	27.1

**REMARKS**

ANTENNA TYPE: 30-300MHz Biconical / 300-1000MHz Logperiodic / 1-4.5GHz DRG Horn

CALCULATION(30MHz to 1000MHz) : READING + ANT Factor - AMP Gain + ATTEN + Cable Loss

\*Except for the above table : All other spurious emissions were less than 20dB for the limit.

# Date of carrier and supurious emissions (30MHz to 4.5GHz)

A-PEX INTERNATIONAL CO., LTD.  
YAMAKITA NO.2 OPEN SITE

Report No. : 23CE0012-YK-1

Company : MATSUSHITA COMMUNICATION INDUSTRIAL CO.,LTD	Regulation : FCC Part15C Section 15.231
Equipment : Display Assy, television	Test Distance : 3m
Model : CX-WT8260A	Date : 2002/10/18
Sample No. : 10002	Temperature : 29deg.C
Power : DC 5V	Humidity : 58%
Mode : Transmitting (433.92MHz)	
FCC ID : ACK932CX-WT001	

  
 ENGINEER : Toyokazu Imamura

**Below 1GHz PK DETECT (Test Receiver: BW 120kHz)**

**Above 1GHz AV DETECT (Test Receiver: BW 1MHz)**

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
1	99.70	39.7	37.3	9.8	28.6	2.1	5.8	28.8	26.4	60.8	32.0	34.4
2	252.00	43.3	44.3	16.6	28.0	3.5	5.8	41.2	42.2	46.0	4.8	3.8
3	332.31	36.4	30.3	15.4	28.1	4.1	5.8	33.6	27.5	46.0	12.4	18.5
4	365.53	31.9	25.5	16.3	28.5	4.4	5.8	29.9	23.5	60.8	30.9	37.3
5	419.97	44.3	40.7	17.4	28.9	4.7	5.8	43.3	39.7	60.8	17.5	21.1
6	564.92	44.4	41.6	19.2	29.4	5.6	5.8	45.6	42.8	60.8	15.2	18.0
7	598.15	33.2	30.7	19.9	29.8	5.8	5.8	34.9	32.4	60.8	25.9	28.4
8	755.98	30.6	33.0	20.7	29.6	6.6	5.8	34.1	36.5	60.8	26.7	24.3
9	1260.00	42.6	41.4	26.5	35.8	3.8	0.0	37.1	35.9	60.8	23.7	24.9

**Above 1GHz PK DETECT (Test Receiver: BW 1MHz)**

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
9	1260.00	50.1	50.6	26.5	35.8	3.8	0.0	44.6	45.1	74.0	29.4	28.9

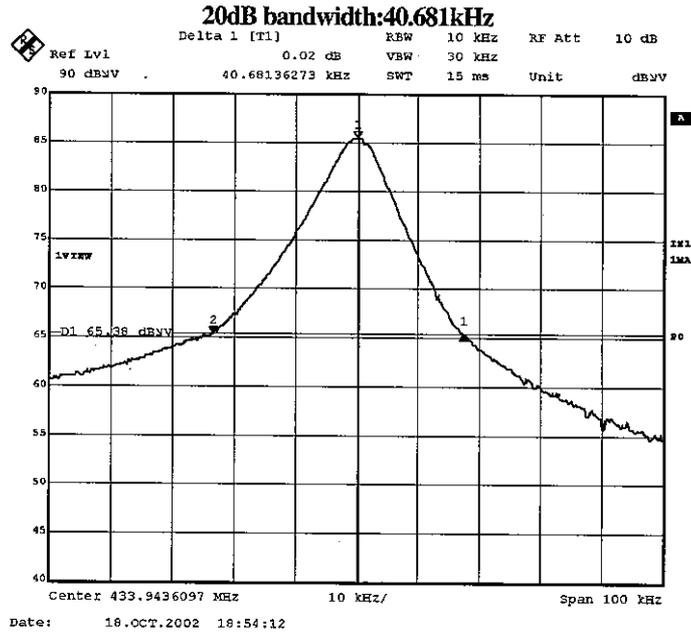
**REMARKS**

ANTENNA TYPE: 30-300MHz Biconical / 300-1000MHz Logperiodic / 1-4.5GHz DRG Horn

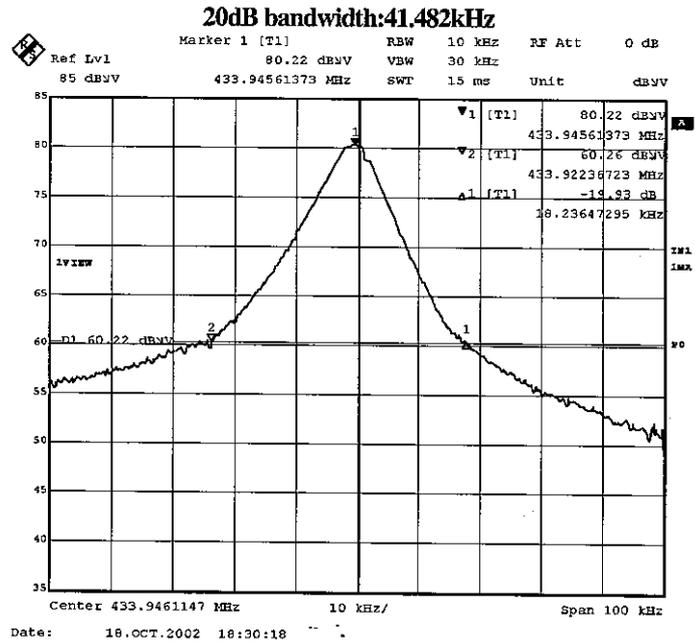
CALCULATION(30MHz to 1000MHz) : READING + ANT Factor - AMP Gain + ATTEN + Cable Loss

\*Except for the above table : All other spurious emissions were less than 20dB for the limit.

1.EUT:CX-WT0260A (Tx:433.92MHz)



2.EUT:CX-WT8260A (Tx:433.92MHz)



Test Report No : 23CE0012-YK-1

**APPENDIX 3**  
**Test Instruments**
**EMI test equipment**

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
KAF-04	Pre Amplifier	Agilent	8449B	RE	2002/05/07 * 12
KAF-05	Pre Amplifier	Agilent	8447D	RE	2002/06/28 * 12
KAT6-03	Attenuator	INMET	18N-6dB	RE	2002/06/20 * 12
KBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2002/08/25 * 12
KCC-20/21/22/2 3/29	Coaxial Cable	Fujikura/Suhner	8D-2W/12D-SF A/S04272B/S0 4272B	RE	2002/09/17 * 12
KCC-D8/D9/D10	Coaxial Cable	Astrolab Inc.	32055-2-29080 -8M/32055-2-2 9080-5M/ 32081-29094-2 9081-40CM	RE	2002/09/11 * 12
KHA-02	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2002/08/17 * 12
KLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2002/08/17 * 12
KOTS-02	Open Test Site	JSE	10m	RE	2002/08/20 * 12
KSA-02	Spectrum Analyzer	Advantest	R3265A	RE	2001/12/03 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ES140	RE	2002/07/22 * 12

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

Test Item :

RE: Radiated emission