

APPLICATION FOR CERTIFICATION  
**Class II Permissive Change**  
On Behalf of  
Cybiko Inc.  
Wireless Entertainment System

Model : CY6411

FCC ID : OU2CY6411

Prepared for : Cybiko Inc.  
1582 Lenox CT. Bartlett,  
Illinois 60103, U.S.A.

Prepared By : Taiwan Tokin EMC Eng. Corp.  
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File Number : ATM-G00420(G00020)  
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Date of Test : May 20 ~ 22, 2000  
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# TEST REPORT CERTIFICATION (Class II Permissive Change)

Applicant : Cybiko Inc.  
 Manufacturer : Inventec Besta Co., Ltd.  
 FCC ID : OU2CY6411  
 EUT Description : Wireless Entertainment System  
 (A) MODEL NO. : CY6411  
 (B) SERIAL NO. : N/A  
 (C) POWER SUPPLY : DC 6V

Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B & C, OCTOBER 1998  
AND FCC / ANSI C63.4-1992

The device described above was tested by TAIWAN TOKIN EMC ENG. CORP. to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15 subpart B & C limits both radiated and conducted emissions.

The measurement results are contained in this test report and TAIWAN TOKIN EMC ENG. CORP. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Taiwan Tokin EMC Eng. corp.

Date of Test : May 20 ~ 22, 2000

Prepared by :   
 \_\_\_\_\_  
 (CHERRY WANG)

Test Engineer :   
 \_\_\_\_\_  
 (ALLEN WANG)

Approve & Authorized Signer :   
 \_\_\_\_\_  
 (JACKIE DENG)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Description	:	Wireless Entertainment System
Model Number	:	CY6411
FCC ID	:	OU2CY6411
Applicant	:	Cybiko Inc.  1582 Lenox CT. Bartlett, Illinois 60103, U.S.A.
Manufacturer	:	Inventec Besta Co., Ltd.  10FL., No. 36, Lane 513, Rui Guang Road, Nei Hu Dist, Taipei 114, Taiwan, R.O.C.
Fundamental Frequency	:	903.2 ~ 926.8MHz (60 Channels)
Signal Cable (Link PC)	:	Non-Shielded, Detachable, 1.0m Bonded two ferrite cores
Power Adapter	:	CYBIKO, M/N CY6411-AD Input: 120V AC, 60Hz Output: 6V DC, 200mA Cord: Non-Shielded, Undetachable, 1.75m Bonded a ferrite core
Date of Receipt of Sample	:	May 16, 2000
Date of Test	:	May 20 ~ 22, 2000

**Remark:**

This EUT is a modified version of original FCC ID OU2CY6411, the difference is to re-layout the PCB. The re-layout PCB have two kinds of different version (ver 114-3 and ver 119). Comparisons with PCB version are as follows:

Part of Name	Ver. 114 (Original)	Ver. 114-3 (Modified ver. 1)	Ver. 119 (Modified ver. 2)
Memory	<ul style="list-style-type: none"> <li>• D2 – (512K x 8)</li> </ul>	<ul style="list-style-type: none"> <li>• D2- SRAM IC removed and changed with to SRAMs of 2MB.</li> </ul>	<ul style="list-style-type: none"> <li>• D2 – (256K x 8)</li> <li>• Added IC D4 – (Flash 256Kx 8)</li> </ul>
Power Supply Circuit	○	○	<ul style="list-style-type: none"> <li>• The switch S1 turning off the power excluded.</li> <li>• Values of resistors are changed R6, R7, R89, R90.</li> <li>• Added capacitors C25, C57.</li> </ul>
MCU	○	○	<ul style="list-style-type: none"> <li>• Added components R52, R53, R54, R58, VD10, VD12, VT13 in the processor's starting circuit for turning on/off via the keyboard.</li> <li>• Added reset button S1 IT-1102U.</li> </ul>
PCMCIA connector	○	○	<ul style="list-style-type: none"> <li>• Added R19, R20, R58.</li> <li>• Excluded buses RW0-RW7.</li> </ul>
Converter 3.3V	○	○	<ul style="list-style-type: none"> <li>• Added R12, R13, R16, C80, C81, L6, VT4, VD3, VD19 in circuit of turning on D10.</li> </ul>
RF part	<ul style="list-style-type: none"> <li>• C40 = 680pF</li> <li>• R96=180K</li> </ul>	○	<ul style="list-style-type: none"> <li>• C40 = 0.1uF</li> <li>• R96=2K</li> <li>• Added R17(10K) and R18 (3.3K) in transceiver power control circuit.</li> </ul>
Keyboard	○	○	<ul style="list-style-type: none"> <li>• Resistors R50-R59 are changed by diodes VD5, VD6, VD7.</li> </ul>
Motor	<ul style="list-style-type: none"> <li>• Turning off the motor realized via n-p-n transistors VT17.</li> </ul>	○	<ul style="list-style-type: none"> <li>• Turning off the motor realized via n-p-n transistors VT14, VT15.</li> </ul>
VD8 Diodes	None	None	Added
Color of Case Cover	○	Blue	Green

※ Please refer to the photos of EUT.

## 1.2. Tested Supporting System Details

### 1.2.1. PERSONAL COMPUTER

Mother Board	:	ASUS, M/N P5A FCC ID. By DoC
CPU	:	AMD K6-2 266MHz
Case	:	Enlight, M/N EN7105C
S.P.S.	:	SPI, M/N FSP250-61GT S/N W13562640
Floppy Driver 3.5"	:	Mitsumi, M/N D353M3
Hard Disk Driver	:	Seagate, M/N ST34321A S/N VTH99025
CD-ROM	:	Philips, M/N PCA123CD
VGA Card	:	ELSA, M/N Gloria-Synergy FCC ID KJGP2EASY
Power Cord	:	Non-Shielded, Detachable, 1.8m

### 1.2.2. COLOR MONITOR

Model Number	:	TX-D7P53NM
Serial Number	:	FX5660004
FCC ID	:	ACJ93312124
Manufacturer	:	Matsushita
Data Cable	:	Shielded, Detachable, 1.5m
Power Cord	:	Non-Shielded, Detachable, 1.8m

### 1.2.3. KEYBOARD

Model Number	:	5121
Serial Number	:	J83300817
FCC ID	:	E5XKBM104M10UC
Manufacturer	:	Behavior Tech Computer Corp.
Data Cable	:	Shielded, Undetachable, 1.0m

### 1.2.4. PRINTER

Model Number	:	2225C
Serial Number	:	2615S40752
FCC ID	:	BS46XU2225C
Manufacturer	:	Hewlett Packard
Power Cord	:	Non-Shielded, Undetachable, 1.8m
Data Cable	:	Shielded, Detachable, 1.2m

### 1.2.5. PS2 MOUSE

Model Number	:	M-S35
Serial Number	:	LZA82103128
FCC ID	:	DZL211029
Manufacturer	:	Logitech
Data Cable	:	Non-Shielded, Undetachable, 1.8m

## 1.2.6. MODEM

Model Number : DM-1414  
 Serial Number : 980034400  
 FCC ID : IFAXDM1414  
 Manufacturer : Aceex  
 Data Cable : Shielded, Detachable, 1.2m  
 Power Adapter : Amigo, Model AM-91000A  
 Non-Shielded, Undetachable, 1.8m

## 1.2.7. USB MOUSE #1

Model Number : M-S35  
 Serial Number : LZA82103128  
 FCC ID : DZL211029  
 Manufacturer : Logitech  
 Data Cable : Non-Shielded, Undetachable, 1.8m

## 1.2.8. USB MOUSE #2

Model Number : M-S35  
 Serial Number : LZA82103130  
 FCC ID : DZL211029  
 Manufacturer : Logitech  
 Data Cable : Non-Shielded, Undetachable, 1.8m

## 1.2.9. EARPHONE

Model Number : N/A  
 Serial Number : N/A  
 Manufacturer : Panasonic  
 Earphone Cable : Non-Shielded, Undetachable, 1.1m

## 1.3. Description of Test Facility

Site Description : Nov. 23, 1999 Re-file on  
 (No. 1 Open Site) Federal Communication Commission  
 FCC Engineering Laboratory  
 7435 Oakland Mills Road  
 Columbia, MD 21046, U.S.A.

Name of Firm : Taiwan Tokin EMC Eng. Corp.

Site Location : No. 53-11, Tin-Fu Tsun, Lin-Kou,  
 Taipei Hsien, Taiwan, R.O.C.

NVLAP lab. Code : 200077-0

## 2. POWERLINE CONDUCTED TEST

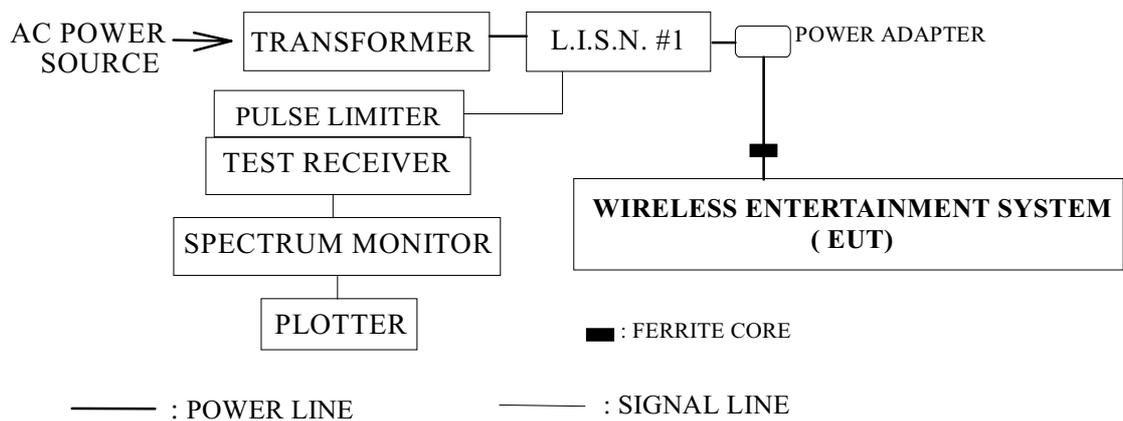
### 2.1. Test Equipment

The following test equipment were used during the power line conducted tests :

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESH3	880647/035	Jun. 19, 99'	1 Year
2.	L.I.S.N. # 1	Kyoritsu	KNW-407	8-881-13	Apr. 28, 00'	1 Year

### 2.2. Block Diagram of Test Setup

※ EUT on Charging Mode



### 2.3. Powerline Conducted Emission Limit

Frequency	Maximum RF Line Voltage	
	μV	dBμV
0.45MHz ~ 30MHz	250	48

REMARKS : RF LINE VOLTAGE (dBμV) = 20 log RF LINE VOLTAGE (μV)

### 2.4. EUT's Configuration during Compliance Measurement

The following equipment were installed on RF LINE VOLTAGE measurement to meet the Commission requirement and operating in a manner which tended to maximize its emission characteristics in a normal application.

## 2.4.1. Wireless Entertainment System (EUT)

Model Number	:	CY6411
Serial Number	:	N/A
FCC ID.	:	OU2CY6411
Manufacturer	:	Inventec Besta Co., Ltd.
Signal Cable (Link PC)	:	Non-Shielded, Detachable, 1.0m Bonded two ferrite cores
Power Adapter	:	CYBIKO, M/N CY6411-AD Input: 120V AC, 60Hz Output: 6V DC, 200mA Cord: Non-Shielded, Undetachable, 1.75m Bonded a ferrite core
Main Board (PCB)	:	(1) Ver. 114-3 (2) Ver. 119

2.4.2. Supporting System : As in Section 1.2

## 2.5. Operating Condition of EUT

- 2.5.1. Setup the EUT as shown on 2.2
- 2.5.2. Turn on the power of all equipment.
- 2.5.3. The EUT was on charging status during all testing
- 2.5.4. Repeated above procedure 2.5.3.

## 2.6. Test Procedure

The EUT's Power Adapter was connected to the power mains through a line impedance stabilization network (L.I.S.N.# 1). This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to FCC ANSI C63.4-1992 on conducted measurement.

The bandwidth of the R&S Test Receiver ESH3 was set at 10KHz.  
The frequency range from 450KHz to 30MHz was checked.

This EUT with two kinds of PCB Ver were done during conducted measurement and all the test results are listed in section 2.8.

## 2.7. Test Results

**PASSED.** Please refer to the following pages.

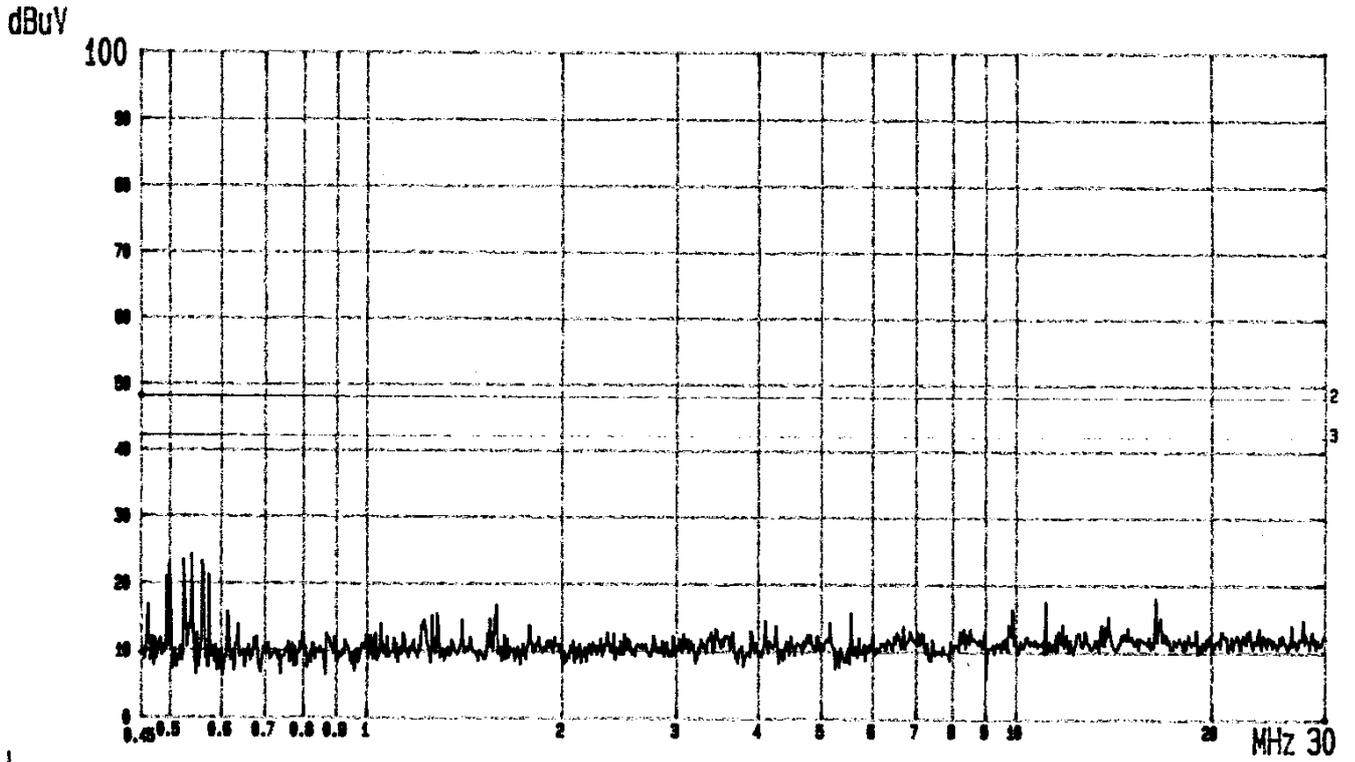
## 2.8. Line Conducted RF Voltage Measurement Results

The frequency range from 450KHz to 30 MHz was investigated.  
All emissions not reported below are too low against the prescribed limits.

Date of Test : May 20, 2000 Temperature : 24°C  
 EUT : Wireless Entertainment System Humidity : 45%  
 Test Mode : EUT on Charging  
 PCB Ver : Ver. 114-3

Frequency (MHz)	Factor dB	Reading (dB $\mu$ V)		Measurement (dB $\mu$ V)		Limits (dB $\mu$ V)	Margin dB	
		VA	VB	VA	VB		VA	VB
0.4848	0.5	*	16.7	*	17.2	48.0	*	30.8
0.4963	0.5	20.7	*	21.2	*	48.0	26.8	*
0.5080	0.5	*	21.5	*	22	48.0	*	26
0.5375	0.5	22.4	*	22.9	*	48.0	25.1	*
0.5448	0.5	*	19.2	*	19.7	48.0	*	28.3
0.5709	0.5	19.2	*	19.7	*	48.0	28.3	*
2.0148	0.5	10.3	*	10.8	*	48.0	37.2	*
3.4132	0.5	*	10.7	*	11.2	48.0	*	36.8
4.6312	0.8	9.8	*	10.6	*	48.0	37.4	*
8.2754	0.8	*	16.0	*	16.8	48.0	*	31.2
10.4132	0.9	7.4	*	8.3	*	48.0	39.7	*
<b>11.0519</b>	<b>0.9</b>	*	<b>21.3</b>	*	<b>22.2</b>	<b>48.0</b>	*	<b>25.8</b>

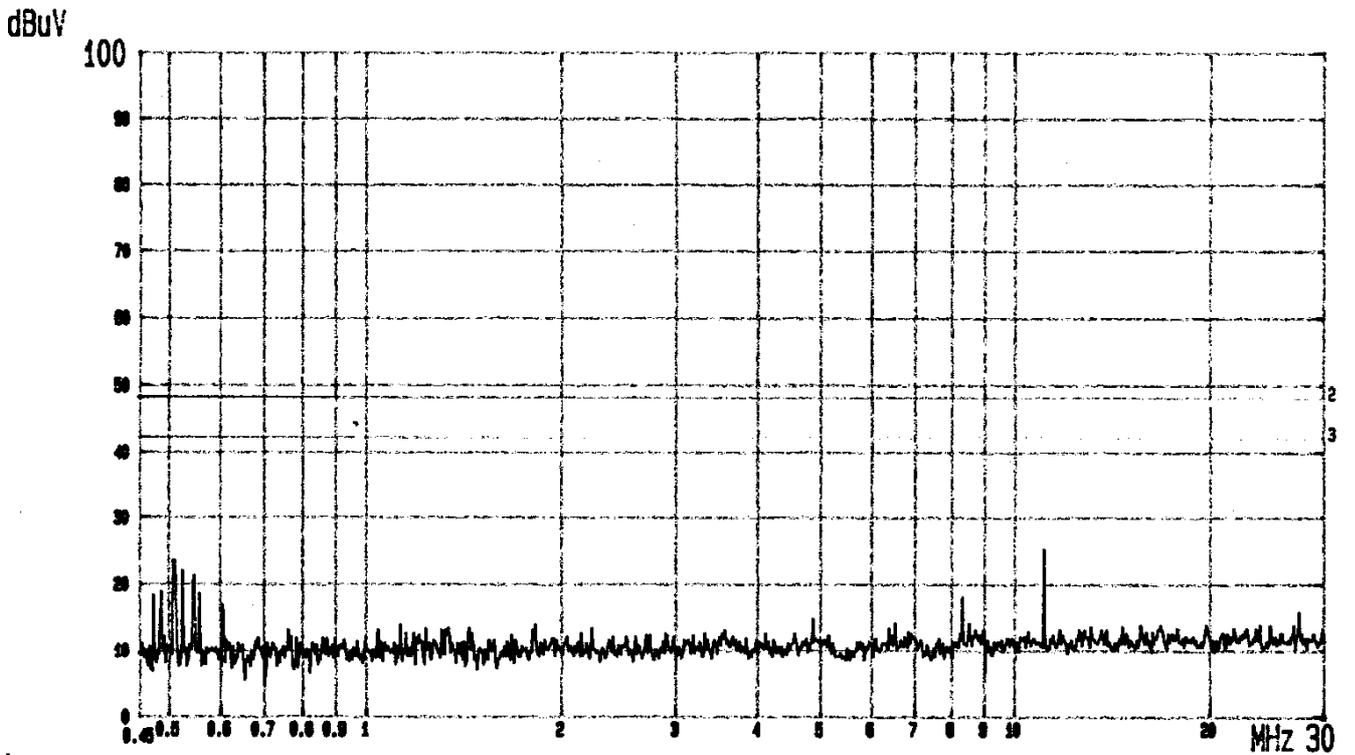
- Remark :
1. All reading are Quasi-Peak values.
  2. Factor = Insertion Loss + Cable Loss
  3. The worst emission was detected at 11.0519MHz with corrected signal level of 22.2dB $\mu$ V (limit is 48dB $\mu$ V) when the VB side of the EUT's power was connected to L.I.S.N.



CYBIKO  
LINE: VA. MEMO: CHARGER

M/N: CY6411 VER.114.3

120V/60Hz PAGE: 01.  
(PEAK VALUE) TTEMC.



CYBIKO  
LINE: VB. MEMO: CHARGER

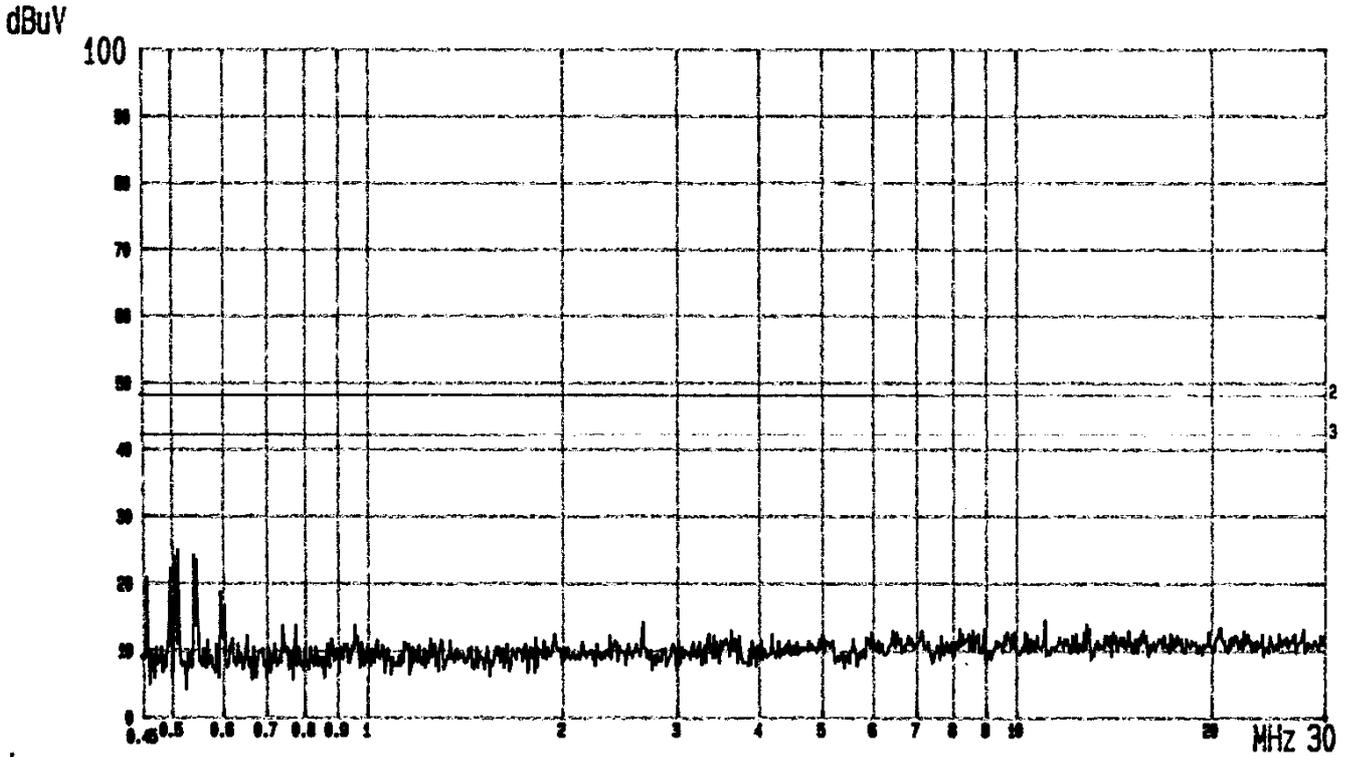
M/N: CY6411 VER.114.3

120V/60Hz PAGE: 02.  
(PEAK VALUE) TTEMC.

Date of Test : May 20, 2000 Temperature : 24°C  
EUT : Wireless Entertainment System Humidity : 45%  
Test Mode : EUT on Charging  
PCB Ver : Ver. 119

Frequency (MHz)	Factor dB	Reading (dB $\mu$ V)		Measurement (dB $\mu$ V)		Limits (dB $\mu$ V)	Margin dB	
		VA	VB	VA	VB		VA	VB
0.4563	0.5	19.0	*	19.5	*	48.0	28.5	*
0.5033	0.5	*	21.2	*	21.7	48.0	*	26.3
<b>0.5104</b>	<b>0.5</b>	<b>23.0</b>	*	<b>23.5</b>	*	<b>48.0</b>	<b>24.5</b>	*
0.5175	0.5	*	20.0	*	20.5	48.0	*	27.5
0.5399	0.5	22.2	*	22.7	*	48.0	25.3	*
0.5789	0.5	*	19.5	*	20	48.0	*	28
0.5926	0.5	16.7	*	17.2	*	48.0	30.8	*
1.9871	0.5	*	10.3	*	10.8	48.0	*	37.2
2.6503	0.5	12.2	*	12.7	*	48.0	35.3	*
7.7160	0.8	*	9.0	*	9.8	48.0	*	38.2
11.0136	0.9	*	19.5	*	20.4	48.0	*	27.6
11.0519	0.9	14.5	*	15.4	*	48.0	32.6	*

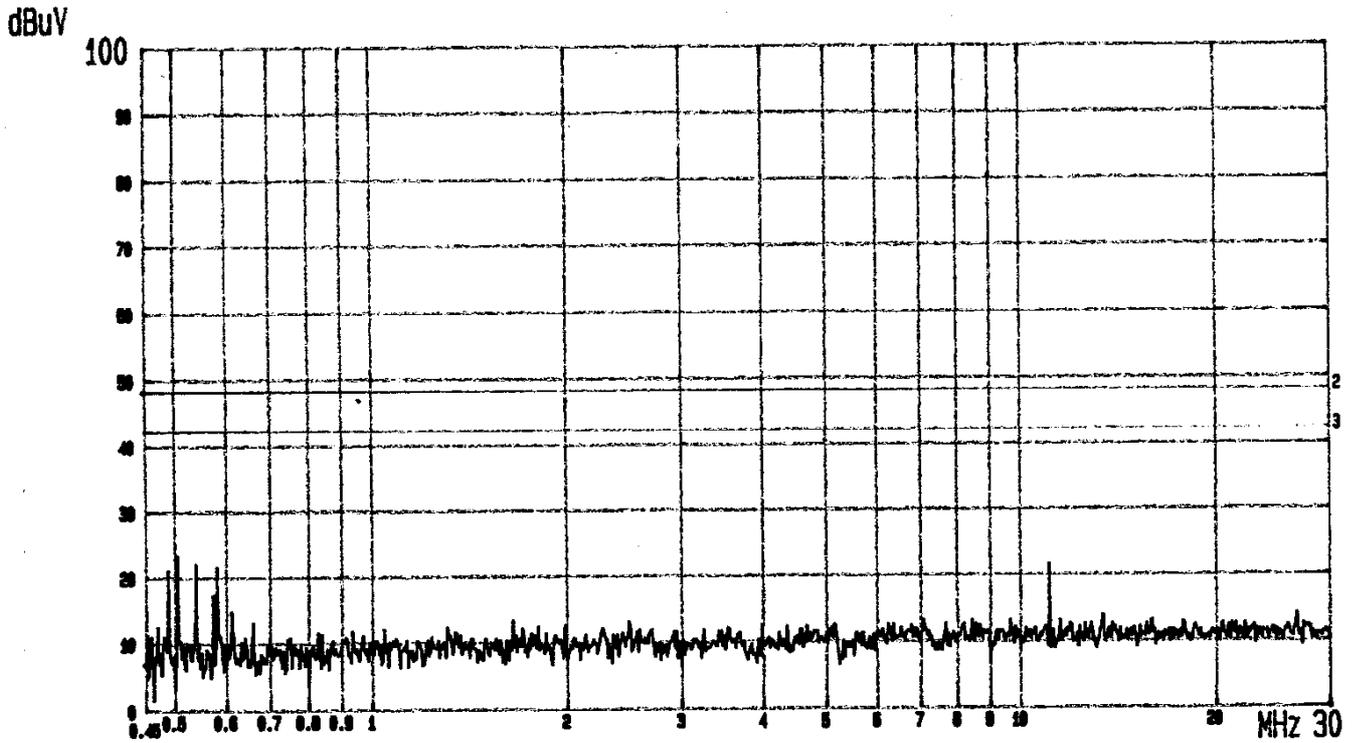
- Remark : 1. All reading are Quasi-Peak values.  
2. Factor = Insertion Loss + Cable Loss  
3. The worst emission was detected at 0.5104MHz with corrected signal level of 23.5dB $\mu$ V (limit is 48dB $\mu$ V) when the VA side of the EUT's power was connected to L.I.S.N.



CYBIKO  
LINE: VA. MEMO: CHARGER

M/N: CY6411 VER.119

120V/60Hz PAGE: 04.  
(PEAK VALUE) TTEMC.



CYBIKO  
LINE: VB. MEMO: CHARGER

M/N: CY6411 VER.119

120V/60Hz PAGE: 03.  
(PEAK VALUE) TTEMC.

### 3. RADIATED EMISSION TEST

#### 3.1. Test Equipment

The following test equipment are used during the radiated emission tests :

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593A	3212A01727	Jul. 29, 99'	1 Year
2.	Test Receiver	R & S	ESVP	893202/001	May 13, 99'	1 Year
3.	Broadband Antenna	Schwarzbeck	BBA9106	A1L	Jan. 26, 00'	1 Year
4.	Broadband Antenna	Chase	UPA6109	1039	Jan. 26, 00'	1 Year
5.	Pre-Amplifier (above 1GHz)	HP	8449B	3008A00529	Jan.24, 00'	1 Year
6.	Double Ridge Horn. Antenna	EMCO	3115	9112-3775	Apr.10, 00'	1 Year

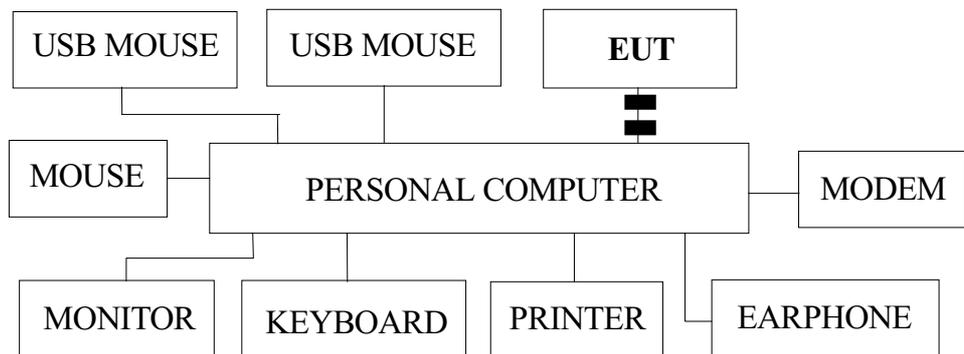
#### 3.2. Test Setup

##### 3.2.1. Block Diagram of connection between EUT and simulators

(1) For EUT Only (Transmitting Mode)



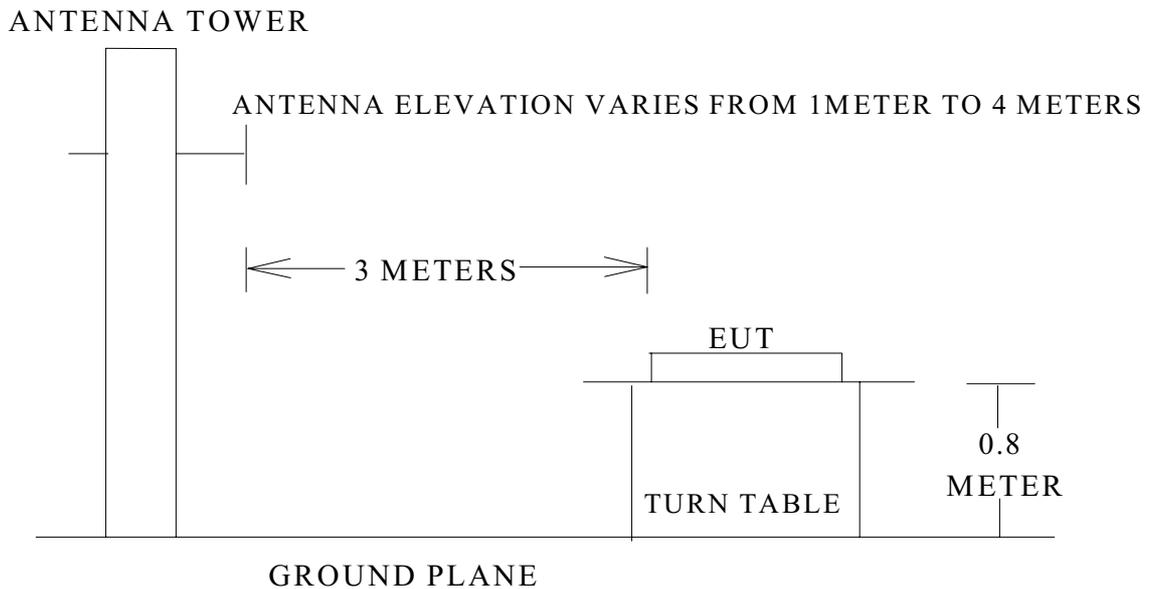
(2) For EUT Link PC



**EUT : WIRELESS ENTERTAINMENT SYSTEM**

**■ : FERRITE CORE**

3.2.2. Open Field Test Site Setup Diagram (30MHz ~ 10GHz, 3m)



3.3. Radiation Limit (§15.249 & §15.109)

3.3.1. §15.249 Radiated Emission Limits (Transmitter, Part 15C)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMITS	
		$\mu\text{V}/\text{M}$	$\text{dB}\mu\text{V}/\text{M}$
Fundamental Freq.	3	50000	93.97 (Quasi-Peak)
Harmonic Emission	3	500	73.97 (Peak)

- Remark: (1) Emission level ( $\text{dB}\mu\text{V}/\text{M}$ ) =  $20 \log$  Emission level ( $\mu\text{V}/\text{M}$ )  
 (2) For frequency above 1000MHz, the limits are based on average limits as description in §15.35(b), and the peak limits shall not exceed the maximum permitted average limits by more than 20dB under any condition of modulation as description in 15.249(b).

3.3.2. §15.109 Radiated Emission Limits (Receiver, Part 15B)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMITS	
		$\mu\text{V}/\text{M}$	$\text{dB}\mu\text{V}/\text{M}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

- Remark : (1) Emission level ( $\text{dB}\mu\text{V}/\text{M}$ ) =  $20 \log$  Emission level ( $\mu\text{V}/\text{M}$ )  
 (2) The tighter limit applies at the edge between two frequency bands.  
 (3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

### 3.4. EUT's Configuration during Compliance Measurement

The configuration of EUT and its simulators were same as those used in conducted measurement. Please refer to 2.4.

### 3.5. Operating Condition of EUT

3.5.1. Setup the EUT as shown on 3.2

3.5.2. Turn on the power of all equipment.

3.5.3. Transmitting Mode: It is made to transmitting situation when measure the field strength. There are 3 positions (Stand、Side、Lie) to measure and transmitted signal is carrier only.

3.5.4. Link PC: Setup the EUT to link personal computer. The EUT sent out message (Word or Graphic) to personal computer continually.  
(The testing program is provided by applicant)

### 3.6. Test Procedure

The EUT and its simulators were placed on a turn table which was 0.8 meter above the ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. For 30MHz to 10GHz frequency range, EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. The antenna moved up and down between 1 to 4 meters for 30MHz to 10GHz frequency range to find out the maximum emission level. Broadband antenna such as calibrated biconical and log- periodical antenna or horn antenna were used as a receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4-1992 regulation.

The bandwidth of test receiver was set at 120KHz and resolution bandwidth of spectrum analyzer was set at 1MHz.

The frequency range from 30MHz to 10GHz was checked.

EUT with 2 kinds of PCB Ver and ten kinds of test modes were done during radiated measurement and all the test results are listed in section 3.8.

The details of test modes are as follows:

- (1) PCB Ver. 114-3, EUT on Stand, Transmitting Mode (Channel 1: 903.2MHz)
- (2) PCB Ver. 114-3, EUT on Side, Transmitting Mode (Channel 1: 903.2MHz)
- (3) PCB Ver. 114-3, EUT on Lie, Transmitting Mode (Channel 1: 903.2MHz)
- (4) PCB Ver. 114-3, EUT on Stand, Transmitting Mode (Channel 30: 914.8MHz)
- (5) PCB Ver. 114-3, EUT on Side, Transmitting Mode (Channel 30: 914.8MHz)
- (6) PCB Ver. 114-3, EUT on Lie, Transmitting Mode (Channel 30: 914.8MHz)
- (7) PCB Ver. 114-3, EUT on Stand, Transmitting Mode (Channel 60: 926.8MHz)
- (8) PCB Ver. 114-3, EUT on Side, Transmitting Mode (Channel 60: 926.8MHz)
- (9) PCB Ver. 114-3, EUT on Lie, Transmitting Mode (Channel 60: 926.8MHz)
- (10) PCB Ver. 114-3, EUT Link PC
  
- (11) PCB Ver. 119, EUT on Stand, Transmitting Mode (Channel 1: 903.2MHz)
- (12) PCB Ver. 119, EUT on Side, Transmitting Mode (Channel 1: 903.2MHz)
- (13) PCB Ver. 119, EUT on Lie, Transmitting Mode (Channel 1: 903.2MHz)
- (14) PCB Ver. 119, EUT on Stand, Transmitting Mode (Channel 30: 914.8MHz)
- (15) PCB Ver. 119, EUT on Side, Transmitting Mode (Channel 30: 914.8MHz)
- (16) PCB Ver. 119, EUT on Lie, Transmitting Mode (Channel 30: 914.8MHz)
- (17) PCB Ver. 119, EUT on Stand, Transmitting Mode (Channel 60: 926.8MHz)
- (18) PCB Ver. 119, EUT on Side, Transmitting Mode (Channel 60: 926.8MHz)
- (19) PCB Ver. 119, EUT on Lie, Transmitting Mode (Channel 60: 926.8MHz)
- (20) PCB Ver. 119, EUT Link PC

### 3.7. Test Results

**PASSED.** Please refer to the following pages.

### 3.8. Radiated Emission Noise Measurement Results

The frequency spectrum from 30 MHz to 10GHz is investigated. All the emissions not reported below are too low against the FCC part 15 subpart C limit.

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBµV	RF Voltage Horizontal dBµV/m	Limits dBµV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.25	22.59	6.26	00.00	57.85	86.70	93.97
Harmonic (Peak Values)						
1806.00	26.48	5.41	32.84	35.20	34.25	73.97
2709.00	29.29	6.67	32.77	30.66	33.85	73.97
3612.00	31.72	7.98	32.48	27.04	34.26	73.97
4516.00	32.13	8.91	32.58	27.81	36.27	73.97
5419.00	34.25	9.94	32.95	27.35	38.59	73.97
6322.00	34.10	11.39	33.16	24.51	36.84	73.97
7225.00	35.78	11.67	33.21	19.99	34.23	73.97
8128.00	36.64	11.94	33.07	22.27	37.78	73.97
9032.00	37.80	12.17	33.26	20.23	36.94	73.97
9935.00	38.05	13.19	33.25	17.57	35.56	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dBµV	RF Voltage Vertical dBµV/m	Limits dBµV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.25	23.03	6.26	0.00	55.70	84.99	93.97
Harmonic (Peak Values)						
1806.00	26.48	5.41	32.84	34.64	33.69	73.97
2709.00	29.29	6.67	32.77	33.35	36.54	73.97
3612.00	31.72	7.98	32.48	26.31	33.53	73.97
4516.00	32.13	8.91	32.58	26.22	34.68	73.97
5419.00	34.25	9.94	32.95	26.01	37.25	73.97
6322.00	34.10	11.39	33.16	22.51	34.84	73.97
7225.00	35.78	11.67	33.21	24.42	38.66	73.97
8128.00	36.64	11.94	33.07	14.72	30.23	73.97
9032.00	37.80	12.17	33.26	19.84	36.55	73.97
9935.00	38.05	13.19	33.25	16.24	34.23	73.97

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.26	22.59	6.26	0.00	59.90	88.75	93.97
Harmonic (Peak Values)						
1806.00	26.48	5.41	32.84	38.43	37.48	73.97
2709.00	29.29	6.67	32.77	32.50	35.69	73.97
3612.00	31.72	7.98	32.48	26.62	33.84	73.97
4516.00	32.13	8.91	32.58	30.08	38.54	73.97
5419.00	34.25	9.94	32.95	25.60	36.84	73.97
6322.00	34.10	11.39	33.16	17.33	29.66	73.97
7225.00	35.78	11.67	33.21	22.71	36.95	73.97
8128.00	36.64	11.94	33.07	18.24	33.75	73.97
9032.00	37.80	12.17	33.26	15.75	32.46	73.97
9935.00	38.05	13.19	33.25	22.37	40.36	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.26	23.03	6.26	00.00	57.50	86.79	93.97
Harmonic (Peak Values)						
1806.00	26.48	5.41	32.84	33.40	32.45	73.97
2709.00	29.29	6.67	32.77	33.28	36.47	73.97
3612.00	31.72	7.98	32.48	29.93	37.15	73.97
4516.00	32.13	8.91	32.58	34.08	42.54	73.97
5419.00	34.25	9.94	32.95	25.24	36.48	73.97
6322.00	34.10	11.39	33.16	23.21	35.54	73.97
7225.00	35.78	11.67	33.21	20.70	34.94	73.97
8128.00	36.64	11.94	33.07	18.17	33.68	73.97
9032.00	37.80	12.17	33.26	13.87	30.58	73.97
9935.00	38.05	13.19	33.25	18.20	36.19	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dB $\mu$ V	RF Voltage Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.25	22.59	6.26	00.00	56.46	85.31	93.97
Harmonic (Peak Values)						
1806.00	26.48	5.41	32.84	38.20	37.25	73.97
2709.00	29.29	6.67	32.77	27.66	30.85	73.97
3612.00	31.72	7.98	32.48	29.04	36.26	73.97
4516.00	32.13	8.91	32.58	24.81	33.27	73.97
5419.00	34.25	9.94	32.95	29.35	40.59	73.97
6322.00	34.10	11.39	33.16	21.51	33.84	73.97
7225.00	35.78	11.67	33.21	21.99	36.23	73.97
8128.00	36.64	11.94	33.07	18.27	33.78	73.97
9032.00	37.80	12.17	33.26	17.23	33.94	73.97
9935.00	38.05	13.19	33.25	14.57	32.56	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dBμV	RF Voltage Vertical dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.25	23.03	6.26	00.00	55.70	84.99	93.97
Harmonic (Peak Values)						
1806.00	26.48	5.41	32.84	39.64	38.69	73.97
2709.00	29.29	6.67	32.77	29.35	32.54	73.97
3612.00	31.72	7.98	32.48	24.31	31.53	73.97
4516.00	32.13	8.91	32.58	29.22	37.68	73.97
5419.00	34.25	9.94	32.95	24.01	35.25	73.97
6322.00	34.10	11.39	33.16	25.51	37.84	73.97
7225.00	35.78	11.67	33.21	21.42	35.66	73.97
8128.00	36.64	11.94	33.07	18.72	34.23	73.97
9032.00	37.80	12.17	33.26	16.84	33.55	73.97
9935.00	38.05	13.19	33.25	13.24	31.23	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.73	22.97	6.31	00.00	48.90	78.18	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	37.70	36.84	73.97
2744.40	29.46	6.72	32.78	28.75	32.15	73.97
3659.20	31.81	8.04	32.46	28.12	35.51	73.97
4574.01	32.31	9.00	32.62	30.87	39.56	73.97
5488.80	34.38	10.01	32.97	22.80	34.22	73.97
6403.61	34.06	11.47	33.17	18.80	31.16	73.97
7318.38	36.20	11.72	33.18	18.90	33.64	73.97
8233.19	36.78	12.00	33.10	18.59	34.27	73.97
9417.99	37.72	12.63	33.26	18.46	35.55	73.97
10062.80	38.11	13.28	32.36	16.64	35.67	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.73	23.30	6.31	00.00	53.84	83.45	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	35.44	34.58	73.97
2744.40	29.46	6.72	32.78	33.75	37.15	73.97
3659.20	31.81	8.04	32.46	29.46	36.85	73.97
4574.01	32.31	9.00	32.62	26.76	35.45	73.97
5488.80	34.38	10.01	32.97	22.11	33.53	73.97
6403.61	34.06	11.47	33.17	22.31	34.67	73.97
7318.38	36.20	11.72	33.18	18.78	33.52	73.97
8233.19	36.78	12.00	33.10	22.17	37.85	73.97
9417.99	37.72	12.63	33.26	18.18	35.27	73.97
10062.80	38.11	13.28	32.36	15.14	34.17	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.73	22.97	6.31	00.00	61.74	91.02	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	34.42	33.56	73.97
2744.40	29.46	6.72	32.78	34.28	37.68	73.97
3659.20	31.81	8.04	32.46	30.86	38.25	73.97
4574.01	32.31	9.00	32.62	22.57	31.26	73.97
5488.80	34.38	10.01	32.97	23.78	35.20	73.97
6403.61	34.06	11.47	33.17	19.86	32.22	73.97
7318.38	36.20	11.72	33.18	15.00	29.74	73.97
8233.19	36.78	12.00	33.10	23.48	39.16	73.97
9417.99	37.72	12.63	33.26	21.12	38.21	73.97
10062.80	38.11	13.28	32.36	17.24	36.27	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dBμV	RF Voltage Vertical dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.73	23.30	6.31	00.00	52.04	81.65	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	34.40	33.54	73.97
2744.40	29.46	6.72	32.78	30.86	34.26	73.97
3659.20	31.81	8.04	32.46	23.46	30.85	73.97
4574.01	32.31	9.00	32.62	28.85	37.54	73.97
5488.80	34.38	10.01	32.97	22.44	33.86	73.97
6403.61	34.06	11.47	33.17	23.33	35.69	73.97
7318.38	36.20	11.72	33.18	23.42	38.16	73.97
8233.19	36.78	12.00	33.10	18.89	34.57	73.97
9417.99	37.72	12.63	33.26	19.12	36.21	73.97
10062.80	38.11	13.28	32.36	11.84	30.87	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.73	22.97	6.31	00.00	57.30	86.58	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	38.01	37.15	73.97
2744.40	29.46	6.72	32.78	33.13	36.53	73.97
3659.20	31.81	8.04	32.46	27.16	34.55	73.97
4574.01	32.31	9.00	32.62	23.53	32.22	73.97
5488.80	34.38	10.01	32.97	22.21	33.63	73.97
6403.61	34.06	11.47	33.17	21.89	34.25	73.97
7318.38	36.20	11.72	33.18	22.13	36.87	73.97
8233.19	36.78	12.00	33.10	21.34	37.02	73.97
9417.99	37.72	12.63	33.26	18.55	35.64	73.97
10062.80	38.11	13.28	32.36	15.78	34.81	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.73	23.30	6.31	00.00	55.70	85.31	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	34.12	33.26	73.97
2744.40	29.46	6.72	32.78	31.17	34.57	73.97
3659.20	31.81	8.04	32.46	27.89	35.28	73.97
4574.01	32.31	9.00	32.62	28.15	36.84	73.97
5488.80	34.38	10.01	32.97	25.77	37.19	73.97
6403.61	34.06	11.47	33.17	23.38	35.74	73.97
7318.38	36.20	11.72	33.18	19.55	34.29	73.97
8233.19	36.78	12.00	33.10	20.79	36.47	73.97
9417.99	37.72	12.63	33.26	18.09	35.18	73.97
10062.80	38.11	13.28	32.36	13.82	32.85	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.85	23.07	6.24	00.00	57.55	86.86	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	33.31	32.56	73.97
2780.00	29.62	6.77	32.78	32.05	35.66	73.97
3707.00	31.93	8.13	32.44	28.62	36.24	73.97
4634.00	32.47	9.07	32.64	24.80	33.70	73.97
5560.00	34.39	10.13	32.99	25.72	37.25	73.97
6487.00	34.02	11.55	33.18	23.48	35.87	73.97
7414.00	36.55	11.75	33.16	17.43	32.57	73.97
8341.00	36.90	12.07	33.12	20.97	36.82	73.97
9280.00	37.74	12.49	33.26	14.80	31.77	73.97
10194.00	38.14	13.36	32.23	17.54	36.81	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.85	23.57	6.24	00.00	54.90	84.71	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	39.95	39.20	73.97
2780.00	29.62	6.77	32.78	38.93	42.54	73.97
3707.00	31.93	8.13	32.44	36.05	43.67	73.97
4634.00	32.47	9.07	32.64	31.26	40.16	73.97
5560.00	34.39	10.13	32.99	26.06	37.59	73.97
6487.00	34.02	11.55	33.18	26.33	38.72	73.97
7414.00	36.55	11.75	33.16	21.50	36.64	73.97
8341.00	36.90	12.07	33.12	19.33	35.18	73.97
9280.00	37.74	12.49	33.26	17.70	34.67	73.97
10194.00	38.14	13.36	32.23	14.47	33.74	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.85	23.07	6.24	00.00	56.80	86.11	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	38.32	37.57	73.97
2780.00	29.62	6.77	32.78	32.79	36.40	73.97
3707.00	31.93	8.13	32.44	26.21	33.83	73.97
4634.00	32.47	9.07	32.64	27.38	36.28	73.97
5560.00	34.39	10.13	32.99	20.43	31.96	73.97
6487.00	34.02	11.55	33.18	22.20	34.59	73.97
7414.00	36.55	11.75	33.16	21.52	36.66	73.97
8341.00	36.90	12.07	33.12	21.73	37.58	73.97
9280.00	37.74	12.49	33.26	13.25	30.22	73.97
10194.00	38.14	13.36	32.23	9.28	28.55	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dBμV	RF Voltage Vertical dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.85	23.57	6.24	00.00	50.10	79.91	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	39.53	38.78	73.97
2780.00	29.62	6.77	32.78	33.23	36.84	73.97
3707.00	31.93	8.13	32.44	32.05	39.67	73.97
4634.00	32.47	9.07	32.64	32.66	41.56	73.97
5560.00	34.39	10.13	32.99	25.62	37.15	73.97
6487.00	34.02	11.55	33.18	30.57	42.96	73.97
7414.00	36.55	11.75	33.16	22.22	37.36	73.97
8341.00	36.90	12.07	33.12	14.70	30.55	73.97
9280.00	37.74	12.49	33.26	18.72	35.69	73.97
10194.00	38.14	13.36	32.23	14.75	34.02	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dB $\mu$ V	RF Voltage Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.85	23.07	6.24	00.00	56.10	85.41	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	36.32	35.57	73.97
2780.00	29.62	6.77	32.78	34.79	38.40	73.97
3707.00	31.93	8.13	32.44	24.21	31.83	73.97
4634.00	32.47	9.07	32.64	29.38	38.28	73.97
5560.00	34.39	10.13	32.99	18.43	29.96	73.97
6487.00	34.02	11.55	33.18	24.20	36.59	73.97
7414.00	36.55	11.75	33.16	19.52	34.66	73.97
8341.00	36.90	12.07	33.12	24.73	40.58	73.97
9280.00	37.74	12.49	33.26	12.25	29.22	73.97
10194.00	38.14	13.36	32.23	7.28	26.55	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 22, 2000 Temperature : 22°C  
 EUT : Wireless Entertainment System Humidity : 70%  
 Test Mode : PCB Ver. 114-3, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.85	23.57	6.24	00.00	55.40	85.21	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	38.64	37.89	73.97
2780.00	29.62	6.77	32.78	31.60	35.21	73.97
3707.00	31.93	8.13	32.44	29.21	36.83	73.97
4634.00	32.47	9.07	32.64	29.00	37.90	73.97
5560.00	34.39	10.13	32.99	28.34	39.87	73.97
6487.00	34.02	11.55	33.18	30.44	42.83	73.97
7414.00	36.55	11.75	33.16	24.71	39.85	73.97
8341.00	36.90	12.07	33.12	17.64	33.49	73.97
9280.00	37.74	12.49	33.26	23.70	40.67	73.97
10194.00	38.14	13.36	32.23	17.21	36.48	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

The frequency spectrum from 30 MHz to 9GHz is investigated. All the emissions not reported below are too low against the FCC part 15 subpart B limit.

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 114-3, EUT Link PC

Frequency MHz	Antenna Cable		Meter Reading	Emission Level		Margin dB
	Factor dB/m	Loss dB	Horizontal dB $\mu$ V	Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m	
67.254	11.70	1.78	14.07	27.55	40.00	12.45
114.548	18.82	2.06	14.97	35.85	43.50	7.65
122.364	19.57	2.16	11.81	33.54	43.50	9.96
129.547	19.82	2.25	12.48	34.55	43.50	8.95
155.240	20.98	2.45	7.79	31.22	43.50	12.28
178.230	21.84	2.71	7.30	31.85	43.50	11.65
233.410	23.37	3.11	0.85	27.33	46.00	18.67
268.420	24.65	3.45	4.23	32.33	46.00	13.67
304.284	13.54	3.61	15.40	32.55	46.00	13.45
322.140	14.30	3.86	14.39	32.55	46.00	13.45
335.752	15.00	3.86	11.39	30.25	46.00	15.75
537.254	18.52	4.73	12.95	36.20	46.00	9.80
722.541	20.28	5.46	9.48	35.22	46.00	10.78
803.341	21.74	5.71	5.13	32.58	46.00	13.42
918.541	23.01	6.28	6.26	35.55	46.00	10.45
964.360	23.57	6.44	4.21	34.22	54.00	19.78

Remark: 1. All readings are Quasi-Peak values.

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 114-3, EUT Link PC

Frequency MHz	Antenna Cable		Meter Reading	Emission Level		Margin dB
	Factor dB/m	Loss dB	Vertical dB $\mu$ V	Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	
44.354	19.35	1.49	7.84	28.68	40.00	11.32
67.285	13.27	1.78	9.64	24.69	40.00	15.31
117.354	16.99	2.09	12.47	31.55	43.50	11.95
122.364	17.71	2.16	8.68	28.55	43.50	14.95
129.254	19.24	2.22	10.20	31.66	43.50	11.84
201.635	22.82	2.92	7.51	33.25	43.50	10.25
253.540	23.90	3.27	2.49	29.66	46.00	16.34
321.214	13.97	3.70	8.17	25.84	46.00	20.16
340.254	14.04	3.83	7.98	25.85	46.00	20.15
402.364	15.37	4.19	6.28	25.84	46.00	20.16
439.254	15.89	4.29	3.50	23.68	46.00	22.32
504.564	17.44	4.65	4.90	26.99	46.00	19.01
536.240	17.47	4.70	8.52	30.69	46.00	15.31
603.541	18.93	4.93	8.69	32.55	46.00	13.45
700.254	20.94	5.18	- 1.43	24.69	46.00	21.31
804.245	21.88	5.75	8.92	36.55	46.00	9.45
883.842	22.55	6.26	5.41	34.22	46.00	11.78

Remark: 1. All readings are Quasi-Peak values.

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.13	22.59	6.26	00.00	52.69	81.54	93.97
Harmonic (Peak Values)						
1806.35	26.48	5.41	32.84	39.99	39.04	73.97
2709.81	29.29	6.67	32.77	36.58	39.77	73.97
3612.63	31.72	7.98	32.48	21.88	29.10	73.97
4515.32	32.13	8.91	32.58	25.66	34.12	73.97
5418.81	34.25	9.94	32.95	25.98	37.22	73.97
6321.53	34.11	11.39	33.16	10.51	22.85	73.97
7224.53	35.78	11.67	33.21	18.99	33.23	73.97
8127.53	36.64	11.94	33.07	21.66	37.17	73.97
9030.52	37.80	12.17	33.26	19.55	36.26	73.97
9933.53	38.05	13.19	33.25	14.24	32.23	73.97

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  3. Measurement up to 10th harmonic (9GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dBµV	RF Voltage Vertical dBµV/m	Limits dBµV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.13	23.03	6.26	00.00	54.69	83.98	93.97
Harmonic (Peak Values)						
1806.35	26.48	5.41	32.84	37.64	36.69	73.97
2709.81	29.29	6.67	32.77	34.99	38.18	73.97
3612.63	31.72	7.98	32.48	18.32	25.54	73.97
4515.32	32.13	8.91	32.58	17.98	26.44	73.97
5418.81	34.25	9.94	32.95	19.77	31.01	73.97
6321.53	34.11	11.39	33.16	18.71	31.05	73.97
7224.53	35.78	11.67	33.21	17.13	31.37	73.97
8127.53	36.64	11.94	33.07	16.73	32.24	73.97
9030.52	37.80	12.17	33.26	21.83	38.54	73.97
9933.53	38.05	13.19	33.25	14.99	32.98	73.97

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dB $\mu$ V	RF Voltage Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.13	22.59	6.26	00.00	52.66	81.51	93.97
Harmonic (Peak Values)						
1806.35	26.48	5.41	32.84	39.99	39.04	73.97
2709.81	29.29	6.67	32.77	35.58	38.77	73.97
3612.63	31.72	7.98	32.48	18.88	26.10	73.97
4515.32	32.13	8.91	32.58	21.66	30.12	73.97
5418.81	34.25	9.94	32.95	19.98	31.22	73.97
6321.53	34.11	11.39	33.16	11.51	23.85	73.97
7224.53	35.78	11.67	33.21	14.99	29.23	73.97
8127.53	36.64	11.94	33.07	21.66	37.17	73.97
9030.52	37.80	12.17	33.26	14.55	31.26	73.97
9933.53	38.05	13.19	33.25	18.24	36.23	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.13	23.03	6.26	00.00	55.65	84.94	93.97
Harmonic (Peak Values)						
1806.35	26.48	5.41	32.84	36.64	35.69	73.97
2709.81	29.29	6.67	32.77	28.99	32.18	73.97
3612.63	31.72	7.98	32.48	24.32	31.54	73.97
4515.32	32.13	8.91	32.58	24.98	33.44	73.97
5418.81	34.25	9.94	32.95	19.77	31.01	73.97
6321.53	34.11	11.39	33.16	10.71	23.05	73.97
7224.53	35.78	11.67	33.21	9.13	23.37	73.97
8127.53	36.64	11.94	33.07	13.73	29.24	73.97
9030.52	37.80	12.17	33.26	12.83	29.54	73.97
9933.53	38.05	13.19	33.25	9.99	27.98	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dB $\mu$ V	RF Voltage Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.13	22.59	6.26	00.00	57.85	86.70	93.97
Harmonic (Peak Values)						
1806.35	26.48	5.41	32.84	33.99	33.04	73.97
2709.81	29.29	6.67	32.77	32.58	35.77	73.97
3612.63	31.72	7.98	32.48	16.88	24.10	73.97
4515.32	32.13	8.91	32.58	20.66	29.12	73.97
5418.81	34.25	9.94	32.95	21.98	33.22	73.97
6321.53	34.11	11.39	33.16	5.51	17.85	73.97
7224.53	35.78	11.67	33.21	16.99	31.23	73.97
8127.53	36.64	11.94	33.07	19.66	35.17	73.97
9030.52	37.80	12.17	33.26	17.55	34.26	73.97
9933.53	38.05	13.19	33.25	16.24	34.23	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 903.2MHz (Channel: 1)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
903.13	23.03	6.26	00.00	58.77	88.06	93.97
Harmonic (Peak Values)						
1806.35	26.48	5.41	32.84	33.64	32.69	73.97
2709.81	29.29	6.67	32.77	30.99	34.18	73.97
3612.63	31.72	7.98	32.48	16.32	23.54	73.97
4515.32	32.13	8.91	32.58	14.98	23.44	73.97
5418.81	34.25	9.94	32.95	16.77	28.01	73.97
6321.53	34.11	11.39	33.16	14.71	27.05	73.97
7224.53	35.78	11.67	33.21	12.80	27.04	73.97
8127.53	36.64	11.94	33.07	17.73	33.24	73.97
9030.52	37.80	12.17	33.26	18.83	35.54	73.97
9933.53	38.05	13.19	33.25	16.99	34.98	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (9GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.75	22.97	6.31	00.00	50.95	80.23	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	23.56	22.70	73.97
2744.40	29.46	6.72	32.78	19.87	23.27	73.97
3659.21	31.81	8.04	32.46	17.85	25.24	73.97
4574.01	32.31	9.00	32.62	16.88	25.57	73.97
5488.81	34.38	10.01	32.97	17.59	29.01	73.97
6403.61	34.06	11.47	33.17	18.55	30.91	73.97
7318.41	36.20	11.72	33.18	20.68	35.42	73.97
8233.22	36.78	12.00	33.10	19.57	35.25	73.97
9148.02	37.77	12.34	33.26	18.47	35.32	73.97
10062.83	38.11	13.28	32.36	20.63	39.66	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dBμV	RF Voltage Vertical dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.74	23.30	6.31	00.00	55.89	85.50	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	22.47	21.61	73.97
2744.40	29.46	6.72	32.78	17.21	20.61	73.97
3659.21	31.81	8.04	32.46	17.47	24.86	73.97
4574.01	32.31	9.00	32.62	17.68	26.37	73.97
5488.81	34.38	10.01	32.97	16.85	28.27	73.97
6403.61	34.06	11.47	33.17	17.25	29.61	73.97
7318.41	36.20	11.72	33.18	16.58	31.32	73.97
8233.22	36.78	12.00	33.10	17.88	33.56	73.97
9148.02	37.77	12.34	33.26	19.25	36.10	73.97
10062.83	38.11	13.28	32.36	19.58	38.61	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.74	22.97	6.31	00.00	58.45	87.73	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	22.65	21.79	73.97
2744.40	29.46	6.72	32.78	19.68	23.08	73.97
3659.20	31.84	8.07	32.46	17.77	25.22	73.97
4574.01	32.31	9.00	32.62	19.25	27.94	73.97
5488.81	34.38	10.01	32.97	19.58	31.00	73.97
6403.61	34.06	11.47	33.17	16.58	28.94	73.97
7318.38	36.17	11.71	33.18	17.55	32.25	73.97
8233.22	36.78	12.00	33.10	18.55	34.23	73.97
9148.02	37.77	12.34	33.26	20.58	37.43	73.97
10062.83	38.11	13.28	32.36	17.89	36.92	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.74	23.30	6.31	00.00	54.58	84.19	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	22.64	21.78	73.97
2744.40	29.46	6.72	32.78	18.55	21.95	73.97
3659.21	31.81	8.04	32.46	15.88	23.27	73.97
4574.01	32.31	9.00	32.62	17.25	25.94	73.97
5488.81	34.38	10.01	32.97	16.58	28.00	73.97
6403.61	34.06	11.47	33.17	16.77	29.13	73.97
7318.42	36.20	11.72	33.18	17.25	31.99	73.97
8233.22	36.78	12.00	33.10	18.66	34.34	73.97
9148.02	37.77	12.34	33.26	17.55	34.40	73.97
10062.83	38.11	13.28	32.36	20.55	39.58	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dB $\mu$ V	RF Voltage Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.74	22.97	6.31	00.00	56.69	85.97	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	25.56	24.70	73.97
2744.40	29.46	6.72	32.78	18.87	22.27	73.97
3659.21	31.81	8.04	32.46	19.85	27.24	73.97
4574.01	32.31	9.00	32.62	14.88	23.57	73.97
5488.81	34.38	10.01	32.97	19.59	31.01	73.97
6403.61	34.06	11.47	33.17	16.55	28.91	73.97
7318.41	36.20	11.72	33.18	17.68	32.42	73.97
8233.22	36.78	12.00	33.10	17.57	33.25	73.97
9148.02	37.77	12.34	33.26	20.47	37.32	73.97
10062.83	38.11	13.28	32.36	16.63	35.66	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 914.8MHz (Channel: 30)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
914.74	23.30	6.31	00.00	61.47	91.08	93.97
Harmonic (Peak Values)						
1829.60	26.51	5.45	32.82	20.47	19.61	73.97
2744.40	29.46	6.72	32.78	15.21	18.61	73.97
3659.21	31.81	8.04	32.46	16.47	23.86	73.97
4574.01	32.31	9.00	32.62	15.68	24.37	73.97
5488.81	34.38	10.01	32.97	17.85	29.27	73.97
6403.61	34.06	11.47	33.17	17.25	29.61	73.97
7318.42	36.20	11.72	33.18	14.58	29.32	73.97
8233.22	36.78	12.00	33.10	16.88	32.56	73.97
9148.02	37.77	12.34	33.26	16.25	33.10	73.97
10062.83	38.11	13.28	32.36	18.58	37.61	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.83	23.07	6.24	00.00	47.84	77.15	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	26.44	25.69	73.97
2780.00	29.62	6.77	32.78	26.74	30.35	73.97
3707.00	31.93	8.13	32.44	23.70	31.32	73.97
4634.00	32.47	9.07	32.64	25.66	34.56	73.97
5560.00	34.39	10.13	32.99	24.47	36.00	73.97
6487.00	34.02	11.55	33.18	17.30	29.69	73.97
7414.00	36.55	11.75	33.16	21.74	36.88	73.97
8341.00	36.90	12.07	33.12	16.73	32.58	73.97
9268.00	37.75	12.46	33.26	14.29	31.24	73.97
10194.00	38.14	13.36	32.23	17.50	36.77	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Stand, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.83	23.57	6.24	00.00	51.88	81.69	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	31.44	30.69	73.97
2780.00	29.62	6.77	32.78	30.93	34.54	73.97
3707.00	31.93	8.13	32.44	28.92	36.54	73.97
4634.00	32.47	9.07	32.64	20.96	29.86	73.97
5560.00	34.39	10.13	32.99	20.24	31.77	73.97
6487.00	34.02	11.55	33.18	20.40	32.79	73.97
7414.00	36.55	11.75	33.16	20.08	35.22	73.97
8341.00	36.90	12.07	33.12	21.70	37.55	73.97
9268.00	37.75	12.46	33.26	17.59	34.54	73.97
10194.00	38.14	13.36	32.23	17.72	36.99	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dB $\mu$ V	RF Voltage Horizontal dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.83	23.07	6.24	00.00	46.38	75.69	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	30.39	29.64	73.97
2780.00	29.62	6.77	32.78	28.93	32.54	73.97
3707.00	31.93	8.13	32.44	19.92	27.54	73.97
4634.00	32.47	9.07	32.64	28.66	37.56	73.97
5560.00	34.39	10.13	32.99	22.69	34.22	73.97
6487.00	34.02	11.55	33.18	17.29	29.68	73.97
7414.00	36.55	11.75	33.16	12.00	27.14	73.97
8341.00	36.90	12.07	33.12	14.48	30.33	73.97
9280.00	37.74	12.49	33.26	9.36	26.33	73.97
10194.00	38.14	13.36	32.23	11.95	31.22	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Side, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.83	23.57	6.24	00.00	51.63	81.44	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	34.01	33.26	73.97
2780.00	29.62	6.77	32.78	33.37	36.98	73.97
3707.00	31.93	8.13	32.44	28.03	35.65	73.97
4634.00	32.47	9.07	32.64	21.66	30.56	73.97
5560.00	34.39	10.13	32.99	16.02	27.55	73.97
6487.00	34.02	11.55	33.18	18.94	31.33	73.97
7414.00	36.55	11.75	33.16	14.54	29.68	73.97
8341.00	36.90	12.07	33.12	16.32	32.17	73.97
9280.00	37.74	12.49	33.26	19.36	36.33	73.97
10194.00	38.14	13.36	32.23	13.40	32.67	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Horizontal dBμV	RF Voltage Horizontal dBμV/m	Limits dBμV/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.83	23.07	6.24	00.00	50.94	80.25	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	30.31	29.56	73.97
2780.00	29.62	6.77	32.78	28.93	32.54	73.97
3707.00	31.93	8.13	32.44	28.15	35.77	73.97
4634.00	32.47	9.07	32.64	19.88	28.78	73.97
5560.00	34.39	10.13	32.99	19.69	31.22	73.97
6487.00	34.02	11.55	33.18	14.80	27.19	73.97
7414.00	36.55	11.75	33.16	13.03	28.17	73.97
8314.00	36.89	12.06	33.12	8.72	24.55	73.97
9280.00	37.74	12.49	33.26	10.58	27.55	73.97
10194.00	38.14	13.36	32.23	10.36	29.63	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

Date of Test : May 20, 2000 Temperature : 26°C  
 EUT : Wireless Entertainment System Humidity : 55%  
 Test Mode : PCB Ver. 119, EUT on Lie, Transmitting Mode  
 Fundamental Frequency : 926.8MHz (Channel: 60)

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Pre-Amp Factor dB	Meter Reading Vertical dB $\mu$ V	RF Voltage Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m
-----						
Fundamental Freq. (Quasi-Peak Values)						
926.83	23.57	6.24	00.00	55.74	85.55	93.97
Harmonic (Peak Values)						
1853.00	26.56	5.49	32.80	34.48	33.73	73.97
2780.00	29.62	6.77	32.78	33.37	36.98	73.97
3707.00	31.93	8.13	32.44	21.29	28.91	73.97
4634.00	32.47	9.07	32.64	22.30	31.20	73.97
5560.00	34.39	10.13	32.99	21.21	32.74	73.97
6487.00	34.02	11.55	33.18	24.53	36.92	73.97
7414.00	36.55	11.75	33.16	17.41	32.55	73.97
8341.00	36.90	12.07	33.12	13.03	28.88	73.97
9280.00	37.74	12.49	33.26	16.18	33.15	73.97
10194.00	38.14	13.36	32.23	16.28	35.55	73.97
-----						

- Remark :
1. Readings below 1000MHz are Quasi-Peak values, and which above 1000MHz are Peak values.
  2. Measurement up to 10th harmonic (10GHz).

The frequency spectrum from 30 MHz to 9GHz is investigated. All the emissions not reported below are too low against the FCC part 15 subpart B limit.

Date of Test : May 22, 2000 Temperature : 70°C  
 EUT : Wireless Entertainment System Humidity : 52%  
 Test Mode : PCB Ver. 119, EUT Link PC

Frequency MHz	Antenna Cable		Meter Reading	Emission Level		Margin dB
	Factor dB/m	Loss dB	Horizontal dBµV	Horizontal dBµV/m	Limits dBµV/m	
33.450	26.27	1.34	- 9.62	17.99	40.00	22.01
62.745	12.52	1.71	9.46	23.69	40.00	16.31
72.410	11.71	1.81	12.85	26.37	40.00	13.63
80.356	12.88	1.82	11.87	26.57	40.00	13.43
115.365	19.03	2.12	6.70	27.85	43.50	15.65
129.655	19.82	2.25	8.80	30.87	43.50	12.63
177.964	21.84	2.71	8.30	32.85	43.50	10.65
210.925	22.41	3.03	4.97	30.41	43.50	13.09
255.554	24.36	3.33	7.32	35.01	46.00	10.99
267.254	24.66	3.34	2.27	30.27	46.00	15.73
321.752	14.26	3.87	15.32	33.45	46.00	12.55
362.354	15.74	3.72	11.08	30.54	46.00	15.46
401.531	15.90	4.15	14.62	34.67	46.00	11.33
535.964	18.62	4.58	8.07	31.27	46.00	14.73
724.265	20.26	5.54	11.19	36.99	46.00	9.01
803.355	21.74	5.71	7.79	35.24	46.00	10.76
883.121	22.80	6.24	1.64	30.68	46.00	15.32

Remark: 1. All readings are Quasi-Peak values.

Date of Test : May 22, 2000 Temperature : 70°C  
 EUT : Wireless Entertainment System Humidity : 52%  
 Test Mode : PCB Ver. 119, EUT Link PC

Frequency MHz	Antenna Cable		Meter Reading	Emission Level		Margin dB
	Factor dB/m	Loss dB	Vertical dB $\mu$ V	Vertical dB $\mu$ V/m	Limits dB $\mu$ V/m	
33.541	24.55	1.34	- 7.32	18.57	40.00	21.43
40.264	19.91	1.46	8.18	29.55	40.00	10.45
67.254	13.27	1.78	5.52	20.57	40.00	19.43
72.664	14.68	1.82	9.24	25.74	40.00	14.26
115.230	16.62	2.12	10.83	29.57	43.50	13.93
129.966	19.20	2.24	6.45	27.89	43.50	15.61
136.850	20.90	2.24	- 2.57	20.57	43.50	22.93
144.487	20.68	2.33	4.87	27.88	43.50	15.62
201.723	22.82	2.92	3.84	29.58	43.50	13.92
269.541	25.60	3.56	1.39	30.55	46.00	15.45
321.765	13.92	3.87	10.09	27.88	46.00	18.12
361.688	14.92	3.74	9.02	27.68	46.00	18.32
402.224	15.37	4.19	12.98	32.54	46.00	13.46
535.287	17.63	4.64	12.28	34.55	46.00	11.45
563.274	18.94	4.84	6.00	29.78	46.00	16.22
605.236	19.00	4.85	7.69	31.54	46.00	14.46
724.288	21.03	5.54	7.17	33.74	46.00	12.26
883.824	22.55	6.26	6.85	35.66	46.00	10.34

Remark: 1. All readings are Quasi-Peak values.

#### **4. DEVIATIONS TO TEST SPECIFICATIONS**

**【NONE】**

## 5. PHOTOGRAPHS

### 5.1. Photos of Powerline Conducted Measurement

Test Mode: EUT On Charging Mode (PCB Ver. 114-3)



Test Mode: EUT On Charging Mode (PCB Ver. 119)

FRONT VIEW OF CONDUCTED TEST



BACK VIEW OF CONDUCTED TEST



## 5.2. Photos of Radiated Measurement at Open Field Test Site

Test Mode: EUT Only, On Stand



Test Mode: EUT Only, On Side



Test Mode: EUT Only, On Lie

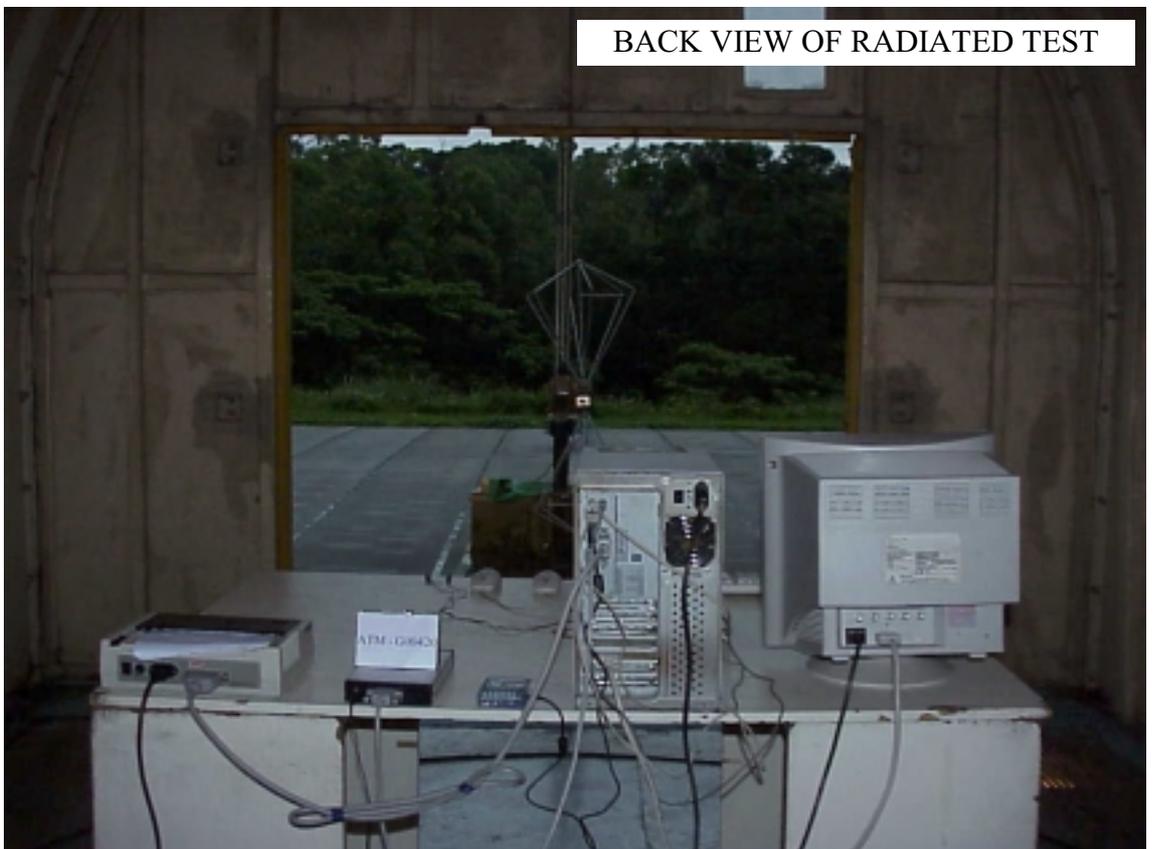


Test Mode: EUT Link PC (PCB Ver. 114-3)

FRONT VIEW OF RADIATED TEST



BACK VIEW OF RADIATED TEST

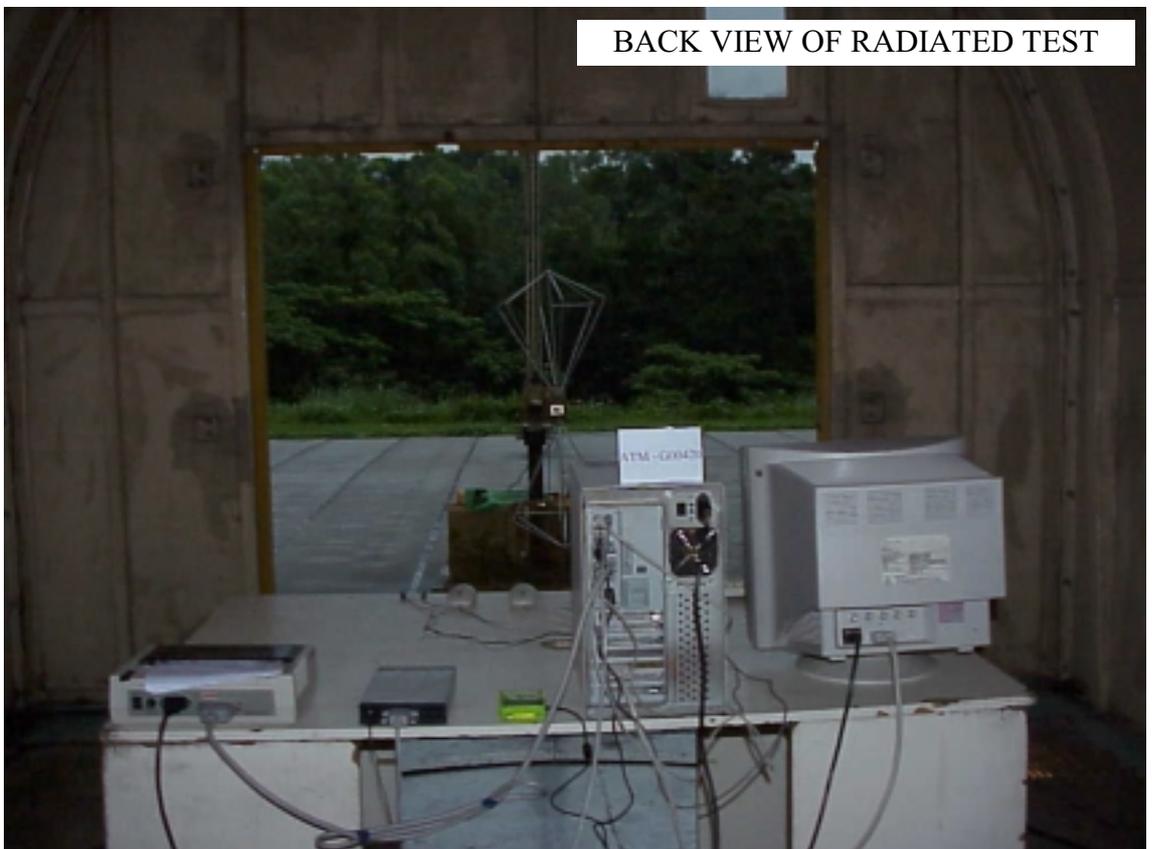


Test Mode: EUT Link PC (PCB Ver. 119)

FRONT VIEW OF RADIATED TEST



BACK VIEW OF RADIATED TEST



# APPENDIX

## Shape of Fundamental Frequency

(Total Pages: 2)

For PCB Ver. 114-3

11:21:37 MAY 24, 2000

REF 90.0 dBμV #AT 0 dB

PEAK  
LOG  
10  
dB/

DL  
55.2  
dBμV

VA SB  
SC FC  
CORR

MKR -420 KHZ  
-.14 dB

MARKER  
NORMAL

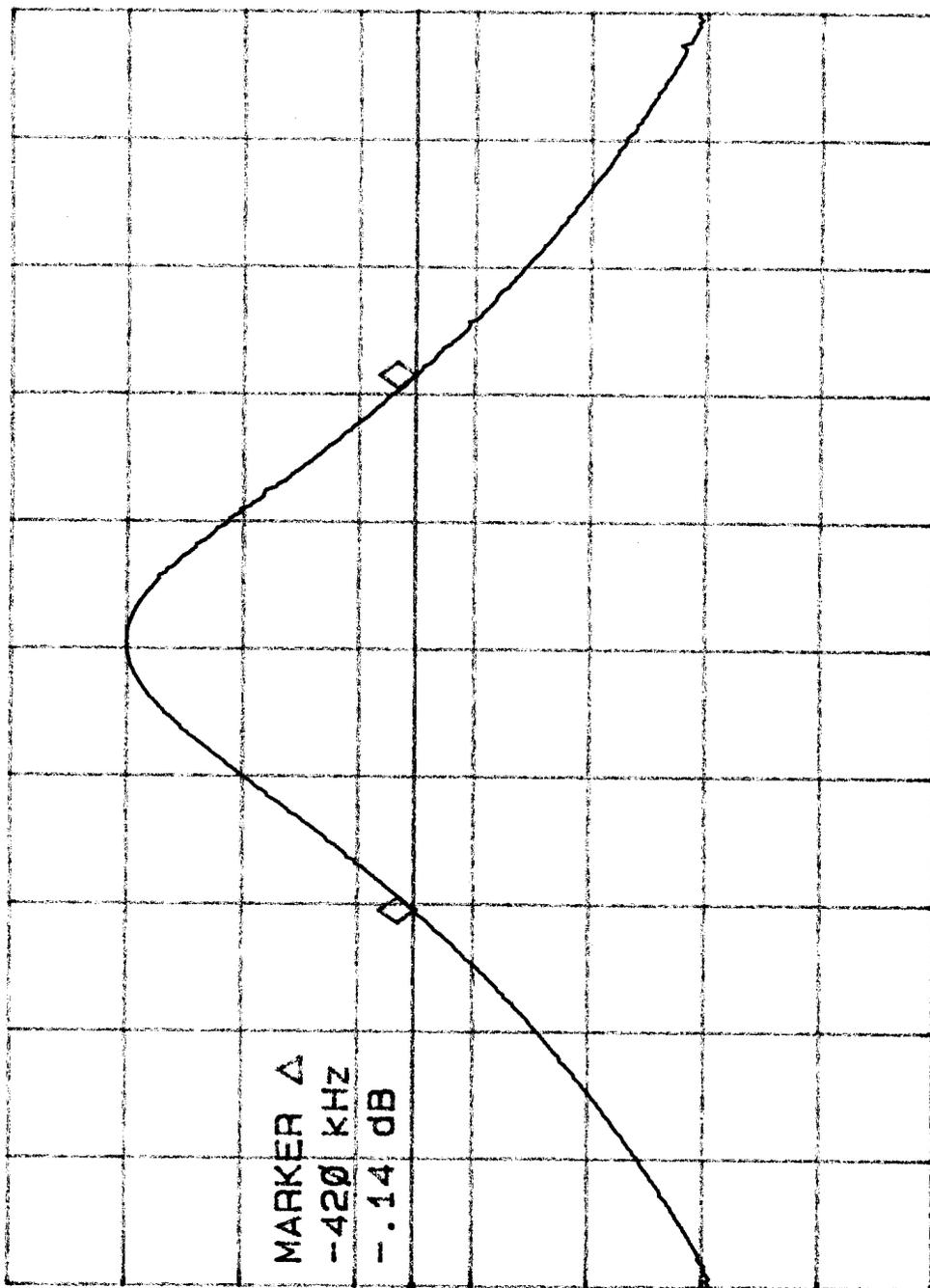
MARKER 

MARKER  
AMPTD

SELECT  
1 2 3 4

MARKER 1  
ON OFF

More  
1 of 3



MARKER   
-420 KHZ  
-.14 dB

CENTER 903.198 MHz  
#RES BW 100 KHZ

SPAN 1.000 MHz  
#SWP 500 msec

VBW 30 KHZ

For PCB Ver. 119

