



# EMI TEST REPORT

**Test Report No. : 26IE0240-YK-A**

**Applicant** : Sony EMCS Corporation Saitama TEC  
**Type of Equipment** : Portable Stereo Transmitter  
**Model No.** : TMR-BT10  
**FCC ID** : AK8TMRBT10  
**Test Standard** : FCC Part15 Subpart C,  
Section 15.209, Section 15.247: 2006  
**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 the above regulation.
4. The test results in this test report are traceable to the national or international standards.

**Date of test:** July 4, 10 and 12, 2006

**Tested by:** M. Hosaka Makoto Hosaka & T. Arai Tatsuya Arai

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

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MF060b (14.06.06)

<b>Table of Contents</b>	<b>Page</b>
<b>1 Applicant Information</b>	<b>3</b>
<b>2 Product Description</b>	<b>4</b>
<b>3 Test Specification, Procedures and Results</b>	<b>5</b>
<b>4 System Test Configuration</b>	<b>7</b>
<b>5 Carrier Frequency Separation</b>	<b>8</b>
<b>6 20dB Bandwidth</b>	<b>8</b>
<b>7 Number of Hopping Frequency</b>	<b>8</b>
<b>8 Dwell time</b>	<b>8</b>
<b>9 Maximum Peak Output Power</b>	<b>8</b>
<b>10 Out of Band Emissions (Antenna Port Conducted)</b>	<b>8</b>
<b>11 Out of Band Emissions (Radiated)</b>	<b>9</b>
<b><u>Contents of Appendixes</u></b>	<b>10</b>
<b>APPENDIX 1: Photographs of test setup</b>	<b>11</b>
<b>APPENDIX 2: Test Data</b>	<b>13</b>
<b>APPENDIX 3: Test instruments</b>	<b>40</b>

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## 1 Applicant Information

Company Name : Sony EMCS Corporation Saitama TEC  
Address : Shinagawa INTERCITY C Tower Shinagawa Tec.  
2-15-3 Konan Minato-ku, Tokyo, 108-6201 JAPAN  
Telephone Number : +81-3-5769-5640  
Facsimile Number : +81-3-5769-5962  
Contact Person : Kikuo Murata

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## 2 Product Description

Type of Equipment : Portable Stereo Transmitter  
Model No. : TMR-BT10  
Serial No. : #4A (Radiated emission test), #3A (the other tests)  
Rating : DC3.7V  
Country of Manufacture : Malaysia  
Receipt Date of Sample : June 29, 2006  
Condition of EUT : Engineering prototype  
(Not for Sale: This sample is equivalent to mass-produced items.)  
Modification of EUT : No modification by the test lab.

Model: TMR-BT10 (referred to as the EUT in this report) is a Portable Stereo Transmitter.

Clock frequency : Module clock: 24MHz  
Feature of EUT : Bluetooth transmitter  
Equipment type : Transceiver  
Frequency band : 2402-2480MHz  
Bandwidth & Channel spacing: 79MHz & 1MHz  
Type of modulation : FHSS  
Antenna type : Chip Helical  
Antenna connector type : Integral  
Antenna gain : -0.4dBi  
Mode of operation : Simplex  
ITU code : F1D  
Operating temperature range: 0 to +40 deg.C.

### FCC Part15.31 (e)

The Bluetooth module is provided with stable power supply (DC 1.8 V), therefore, the equipment complies power supply regulation.

### FCC Part15.203 Antenna requirement

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the module. Therefore, the equipment complies with the antenna requirement of Section 15.203.

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### 3 Test Specification, Procedures and Results

#### 3.1 Test specification

Test specification : FCC Part15 Subpart C: 2006  
 Title : FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators  
 Section 15.209 Radiated emission limits, general requirements  
 Section 15.247 Operation within the bands 902-928MHz, 2400-2483.5MHz,  
 and 5725-5850MHz

#### 3.2 Procedures & Results

Item	Test Procedure	Specification	Remarks	Deviation	Worst Margin	Results
Conducted emission	ANSI C63.4:2003 7. AC powerline conducted emission measurements	Section 15.207	-	N/A *1	N/A	N/A
Carrier Frequency Separation	ANSI C63.4:2003 13. Measurement of intentional radiators	Section15.247 (a)(1)	Conducted	N/A	*See data.	Complied
20dB Bandwidth	ANSI C63.4:2003 13. Measurement of intentional radiators	Section15.247 (a)(1)	Conducted	N/A		Complied
Number of Hopping Frequency	ANSI C63.4:2003 13. Measurement of intentional radiators	Section15.247 (a)(1)(iii)	Conducted	N/A		Complied
Dwell time	ANSI C63.4:2003 13. Measurement of intentional radiators	Section15.247 (a)(1)(iii)	Conducted	N/A		Complied
Maximum Peak Output Power	ANSI C63.4:2003 13. Measurement of intentional radiators	Section15.247 (b)(1)	Conducted	N/A		Complied
Spurious Emission	ANSI C63.4:2003 13. Measurement of intentional radiators	Section15.209 Section15.247(d)	Conducted / Radiated	N/A		3.5dB (17360.00MHz, AV, Horizontal, Tx 2480MHz)

The measurements also referred to FCC Public Notice DA 00-705 "Guidance on Measurement for Frequency Hopping Spread Spectrum Systems".

\*1) The test is not applicable since the EUT has no AC mains.

\* No addition, exclusion nor deviation has been made from the standard.

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### 3.3 Uncertainty

#### Antenna port conducted test

The measurement uncertainty (with 95% confidence level) for this test is  $\pm 0.4$ dB.

#### Spurious emission test (Radiated)

The measurement uncertainty (with 95% confidence level) for this test using Biconical antenna is  $\pm 4.5$ dB.

The measurement uncertainty (with 95% confidence level) for this test using Logperiodic antenna is  $\pm 4.3$ dB.

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

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

### 3.4 Test Location

UL Apex Co., Ltd. Yamakita EMC Lab.

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Telephone number : +81 465 77 1011

Facsimile number : +81 465 77 2112

NVLAP Lab. code : 200441-0

No. 1 test site has been fully described in a report submitted to FCC office, and accepted on August 26, 2005 (Registration No.: 95486).

IC Registration No. : IC3489A

No. 2 test site has been fully described in a report submitted to FCC office, and accepted on April 4, 2005 (Registration No.: 466226).

IC Registration No. : IC3489A-2

No. 1 anechoic chamber has been fully described in a report submitted to FCC office, and accepted on November 2, 2005 (Registration No.: 95967).

IC Registration No. : IC3489A-B

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

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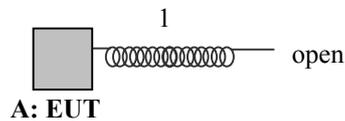
## 4 System Test Configuration

### 4.1 Justification

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

Test mode: Transmitting (Packet size: DH5)  
 - Low channel : 2402MHz  
 - Middle channel : 2441MHz  
 - High channel : 2480MHz  
 - Hopping  
 - Inquiry

### 4.2 Configuration of Tested System



\* Test data was taken under worse case conditions.

#### Description of EUT and support equipment

No.	Item	Model number	Serial number (*1)	Manufacturer	FCC ID (Remarks)
A	Portable Stereo Transmitter	TMR-BT10	#4A #3A	SONY	AK8TMRBT10 (EUT)

\*1) For Radiated emission test, the sample with serial #4A was used and #3A was used for the other tests.

#### List of cables used

No.	Name	Length (m)	Shield		Remark
			Connector	Cable	
1	Audio Input cable	0.25	Unshielded	Unshielded	-

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## 5 Carrier Frequency Separation

### Test Procedure

The carrier frequency separation was measured with a spectrum analyzer connected to the antenna port.

Summary of the test results: Pass  
Date: July 4 and 12, 2006

Test data: APPENDIX 2 Page 13  
Test engineer : Makoto Hosaka and Tatsuya Arai

## 6 20dB Bandwidth

### Test Procedure

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

Summary of the test results: Pass  
Date: July 4, 2006

Test data: APPENDIX 2 Page 14  
Test engineer : Makoto Hosaka

## 7 Number of Hopping Frequency

### Test Procedure

The Number of Hopping Frequency was measured with a spectrum analyzer connected to the antenna port.

Summary of the test results: Pass  
Date: July 4 and 12, 2006

Test data: APPENDIX 2 Page 15 to 17  
Test engineer : Makoto Hosaka and Tatsuya Arai

## 8 Dwell time

### Test Procedure

The Dwell time was measured with a spectrum analyzer connected to the antenna port.

Summary of the test results: Pass  
Date: July 4 and 12, 2006

Test data: APPENDIX 2 Page 18 to 21  
Test engineer : Makoto Hosaka and Tatsuya Arai

## 9 Maximum Peak Output Power

### Test Procedure

The Maximum Peak Output Power was measured with a power meter connected to the antenna port.

Summary of the test results: Pass  
Date: July 4 and 12, 2006

Test data: APPENDIX 2 Page 22  
Test engineer : Makoto Hosaka and Tatsuya Arai

## 10 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.

Summary of the test results: Pass  
Date: July 4, 2006

Test data: APPENDIX 2 Page 23 to 28  
Test engineer : Makoto Hosaka

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## 11 Out of Band Emissions (Radiated)

### 11.1 Operating environment

The test was carried out in No.1 anechoic chamber.

### 11.2 Test configuration

EUT was placed on a urethane platform of nominal size, 0.5m by 0.5m, raised 80cm above the conducting ground plane. A drawing of the set up is shown in the photos of Appendix 1.

### 11.3 Test conditions

Frequency range : 30MHz - 26GHz  
 Test distance : 3m (30MHz-18GHz), 1m (18-26GHz) \*1  
 EUT operation mode : Transmitting

### 11.4 Test procedure

The Radiated Electric Field Strength intensity has been measured with a ground plane and at a distance of 3m and 1m. 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.

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.

Measurements were performed with QP, PK, and AV detector.

The radiated emission measurements were made with the following detector function of the test receiver.

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

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

The equipment was previously checked at each position of three axes X, Y and Z. The position in which the maximum noise occurred was chosen to put into measurement. See the table below and photographs in page 12. With the position, the noise levels of all the frequencies were measured.

	Below 1GHz	Above 1GHz
Horizontal	Y	Y
Vertical	Y	Z

\*1) Limit for 1m distance was calculated using the following formula:

$$1m \text{ limit [dB}\mu\text{V/m]} = 15.209 \text{ limit [dB}\mu\text{V/m]} + 20 \log (3m/1m) \text{ [dB]}$$

### 11.5 Results

Summary of the test results : Pass

Test data : APPENDIX 2 Page 29 to 31 (30 - 1000MHz), Page 32 to 37 (1 - 26GHz)

Date : July 10, 2006 Test engineer : Tatsuya Arai

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

Page 11	:	Radiated emission
Page 12	:	Pre-check of the worst position

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

Page 13	:	Carrier Frequency Separation
Page 14	:	20dB Bandwidth
Page 15 - 17	:	Number of Hopping Frequency
Page 18 - 21	:	Dwell time
Page 22	:	Maximum Peak Output Power
Page 23 - 28	:	Out of Band Emissions (Antenna Port Conducted)
Page 29 - 37	:	Out of Band Emissions (Radiated)
29-31	:	30-1000MHz
32-37	:	1-26GHz
Page 38 - 39	:	Occupied Bandwidth

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

Page 40	:	Test instruments
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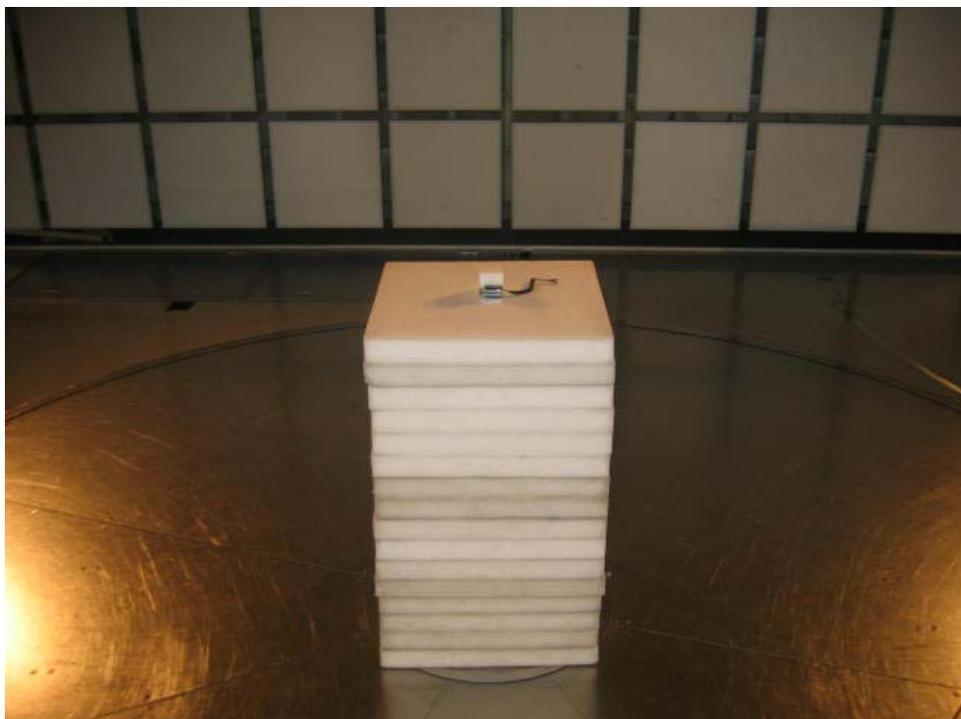
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**Radiated emission**



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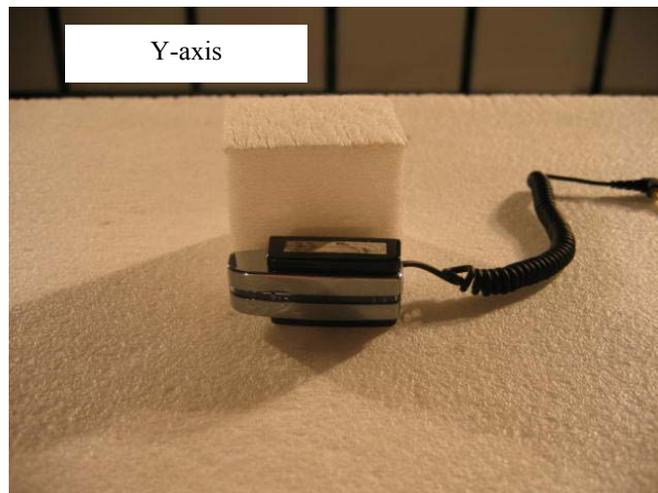
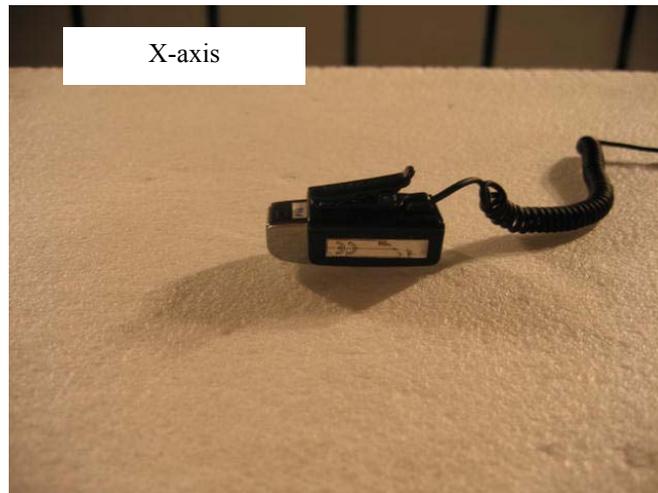
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**Pre-check of the worst position**



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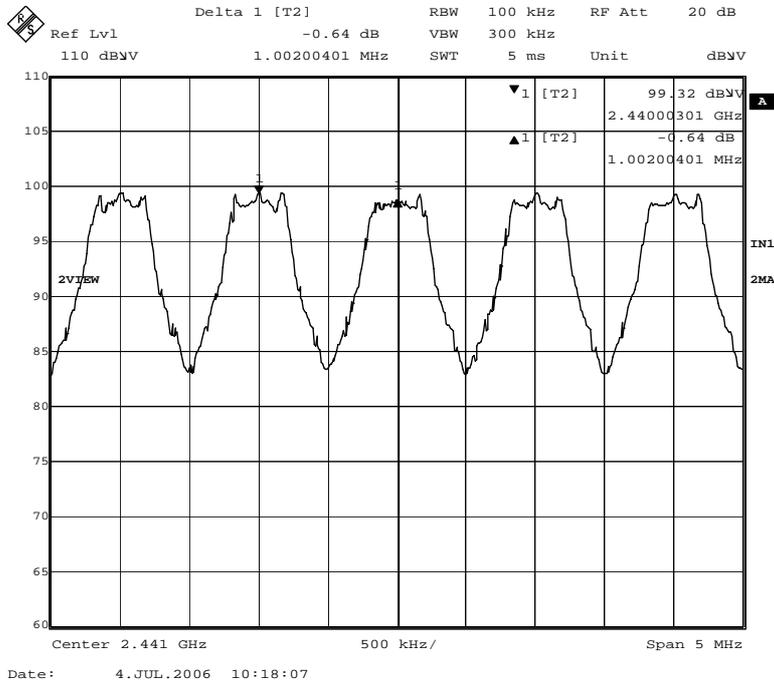
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MF060b (14.06.06)

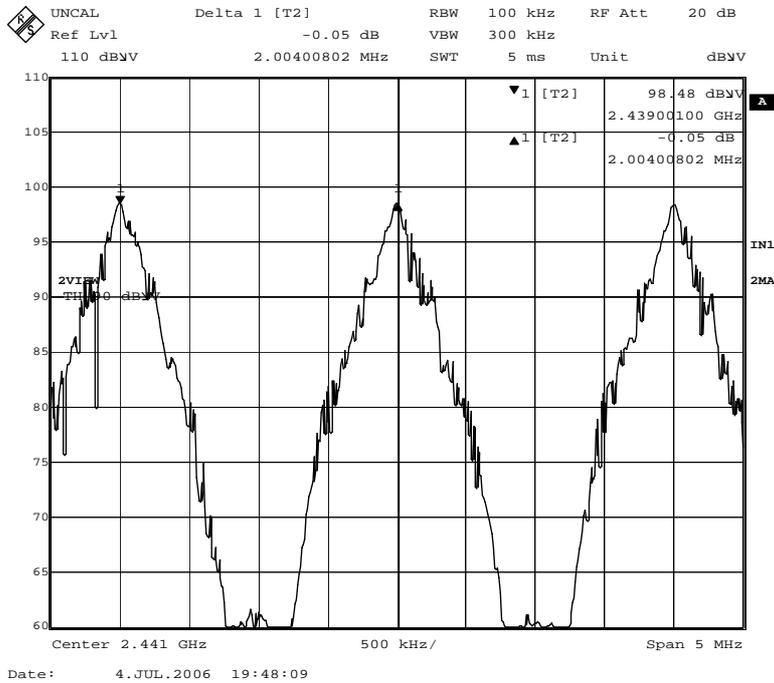
# Channel Separation: FCC 15.247(a)(1)

<p>COMPANY : Sony EMCS Corporation Saitama TEC          EQUIPMENT : Wireless Stereo Headset          MODEL NUMBER: DR-BT10CX          SERIAL NUMBER: #3A          FCC ID : AK8DRBT10CX          POWER : DC3.7V</p>	<p>UL Apex Co.,Ltd. Yamakita No.2 Shielded Room          REPORT NO : 26IE0239-YK-A          REGULATION : Fcc Part15SubpartC 247(a)(1)          DATE : 2006/07/04          TEMP./HUMI : 22deg.C./68%          TEST MODE : Transmitting          ENGINEER : Makoto Hosaka</p>
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## 1. Hopping:1002.00kHz



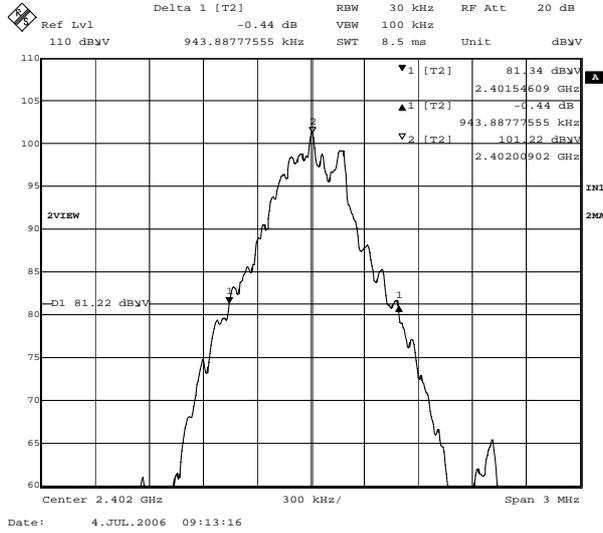
## 2. Inquiry:2004.01kHz



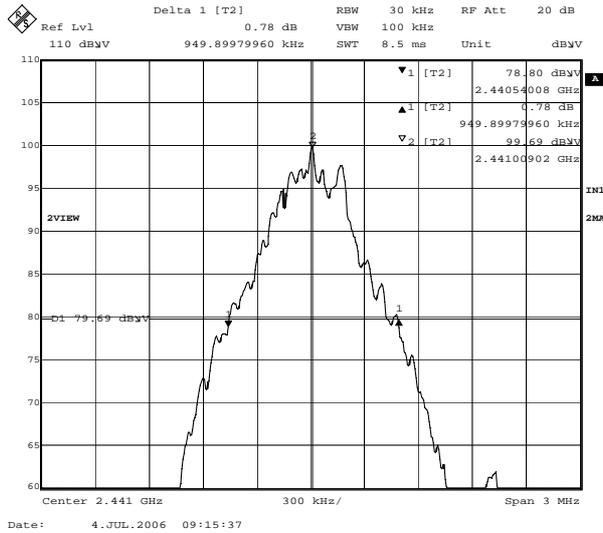
## 20dB Bandwidth: FCC 15.247(a)(1)

<p><b>COMPANY</b> : Sony EMCS Corporation Saitama TEC</p> <p><b>EQUIPMENT</b> : Wireless Stereo Headset</p> <p><b>MODEL NUMBER</b>: DR-BT10CX</p> <p><b>SERIAL NUMBER</b>: #3A</p> <p><b>FCC ID</b> : AK8DRBT10CX</p> <p><b>POWER</b> : DC3.7V</p>	<p><b>UL Apex Co.,Ltd. Yamakita No.2 Shielded Room</b></p> <p><b>REPORT NO</b> : 26IE0239-YK-A</p> <p><b>REGULATION</b> : Fcc Part15SubpartC 247(a)(1)</p> <p><b>DATE</b> : 2006/07/04</p> <p><b>TEMP./HUMI</b> : 22deg.C./68%</p> <p><b>TEST MODE</b> : Transmitting (Hopping off)</p> <p><b>ENGINEER</b> : Makoto Hosaka</p>
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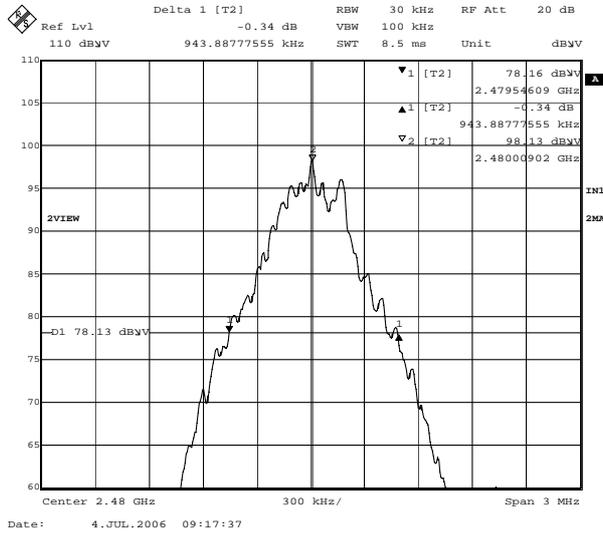
**1. ch : 2402MHz/20dB Bandwidth:943.89kHz**



**2. ch : 2441MHz/20dB Bandwidth:949.90kHz**



**3. ch : 2480MHz/20dB Bandwidth:943.89kHz**



# Channel Utilization: FCC 15.247(a)(1)(iii)

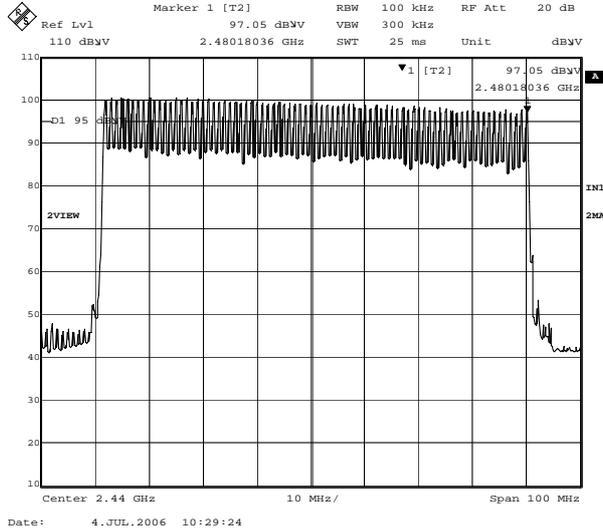
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

COMPANY : Sony EMCS Corporation Saitama TEC  
EQUIPMENT : Wireless Stereo Headset  
MODEL NUMBER: DR-BT10CX  
SERIAL NUMBER: #3A  
FCC ID : AK8DRBT10CX  
POWER : DC3.7V

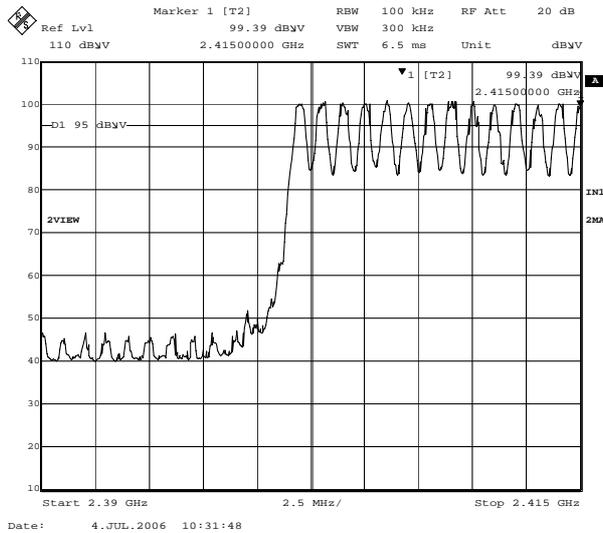
REPORT NO : 26IE0239-YK-A  
REGULATION : Fcc Part15SubpartC 247(a)(1)(iii)  
DATE : 2006/07/04  
TEMP./HUMI : 22deg.C./68%  
TEST MODE : Transmitting  
ENGINEER : Makoto Hosaka

## Hopping: 79ch

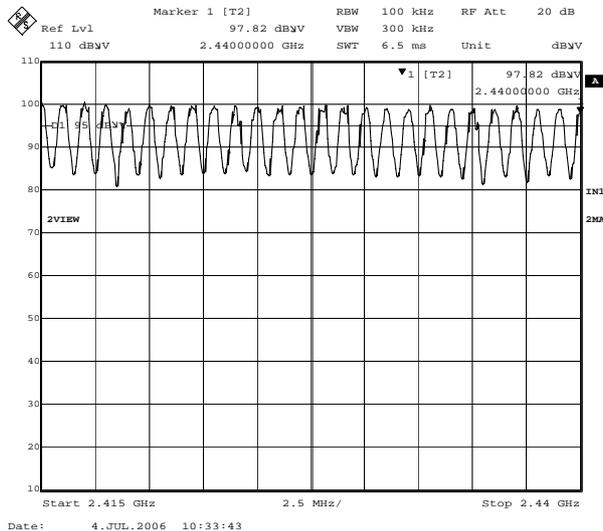
1.



2.



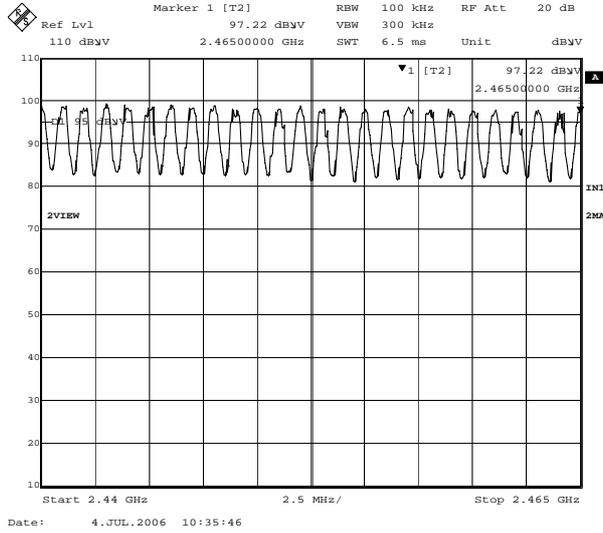
3.



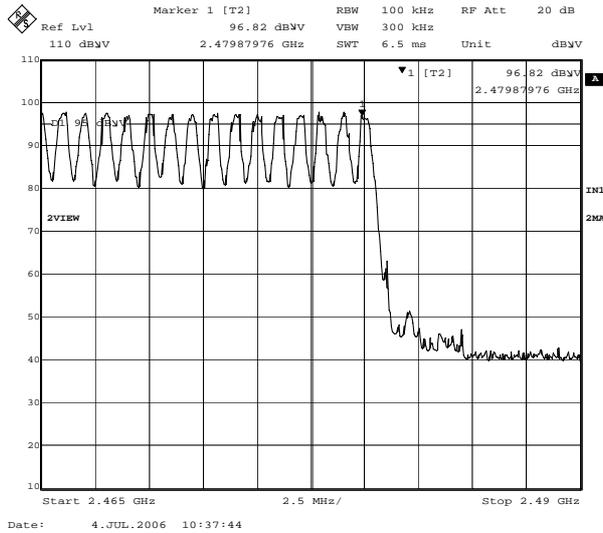
### Channel Utilization: FCC 15.247(a)(1)(iii)

<p><b>COMPANY</b> : Sony EMCS Corporation Saitama TEC</p> <p><b>EQUIPMENT</b> : Wireless Stereo Headset</p> <p><b>MODEL NUMBER</b>: DR-BT10CX</p> <p><b>SERIAL NUMBER</b>: #3A</p> <p><b>FCC ID</b> : AK8DRBT10CX</p> <p><b>POWER</b> : DC3.7V</p>	<p><b>UL Apex Co.,Ltd. Yamakita No.2 Shielded Room</b></p> <p><b>REPORT NO</b> : 26IE0239-YK-A</p> <p><b>REGULATION</b> : Fcc Part15SubpartC 247(a)(1)(iii)</p> <p><b>DATE</b> : 2006/07/04</p> <p><b>TEMP./HUMI</b> : 22deg.C./68%</p> <p><b>TEST MODE</b> : Transmitting</p> <p><b>ENGINEER</b> : Makoto Hosaka</p>
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4.



5.



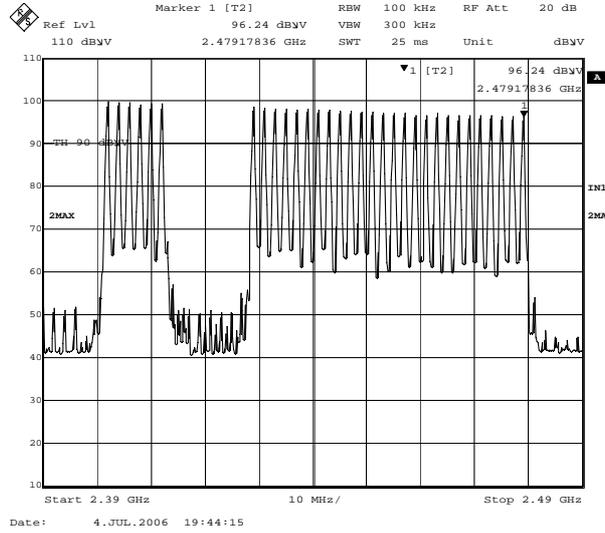
# Channel Utilization: FCC 15.247(a)(1)(iii)

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

COMPANY : Sony EMCS Corporation Saitama TEC  
EQUIPMENT : Wireless Stereo Headset  
MODEL NUMBER: DR-BT10CX  
SERIAL NUMBER: #3A  
FCC ID : AK8DRBT10CX  
POWER : DC3.7V

REPORT NO : 26IE0239-YK-A  
REGULATION : Fcc Part15SubpartC 247(a)(1)(iii)  
DATE : 2006/07/04  
TEMP./HUMI : 22deg.C./68%  
TEST MODE : Transmitting  
ENGINEER : Makoto Hosaka

## 1. Inquiry: 32ch



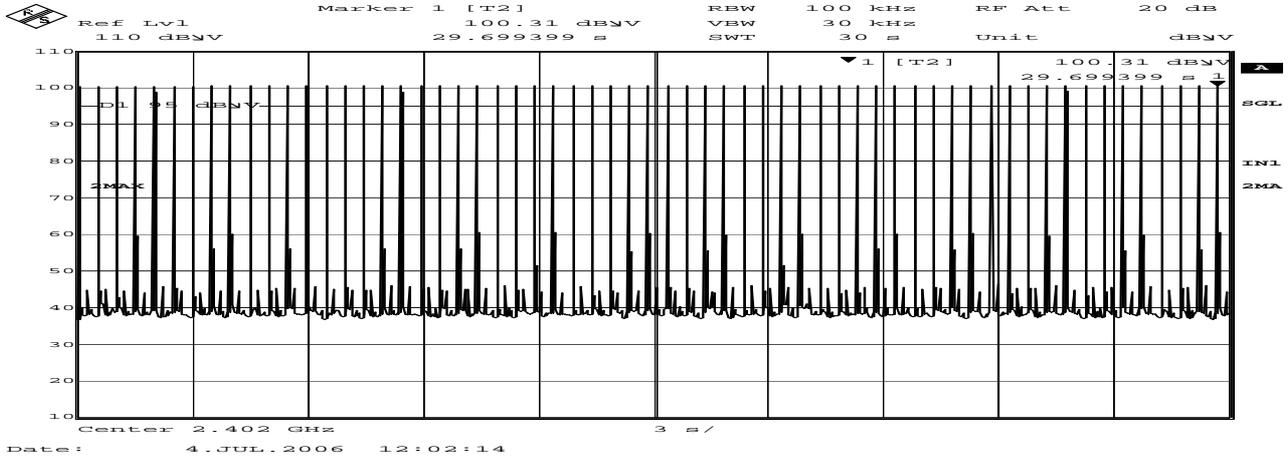
# Dwell Time: FCC 15.247(a)(1)(iii)

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

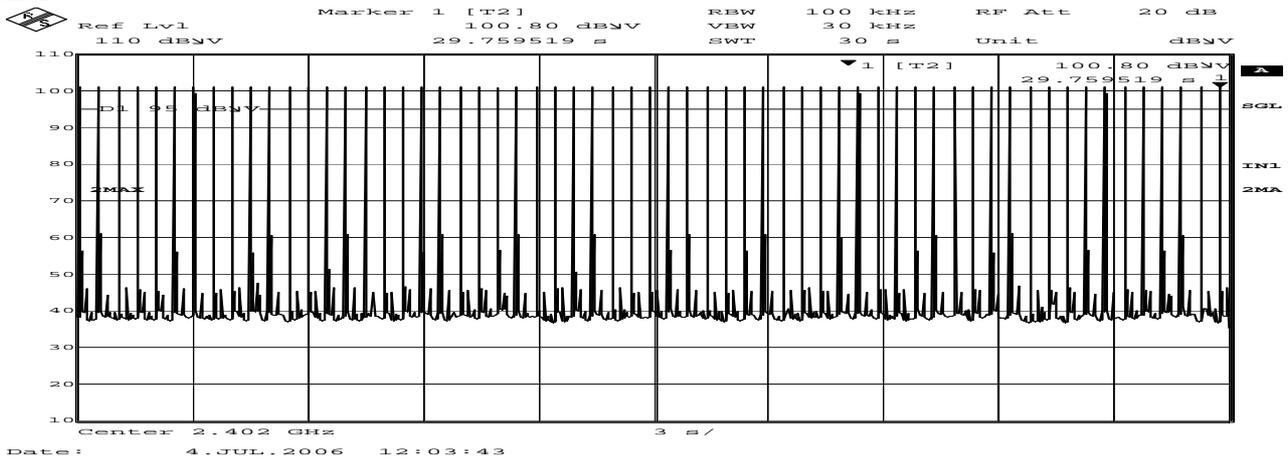
COMPANY : Sony EMCS Corporation Saitama TEC  
EQUIPMENT : Wireless Stereo Headset  
MODEL NUMBER: DR-BT10CX  
SERIAL NUMBER: #3A  
FCC ID : AK8DRBT10CX  
POWER : DC3.7V

REPORT NO : 26IE0239-YK-A  
REGULATION : Fcc Part15SubpartC 247(a)(1)(iii)  
DATE : 2006/07/04  
TEMP/HUMI : 22deg.C./68%  
TEST MODE : Transmitting  
ENGINEER : Makoto Hosaka

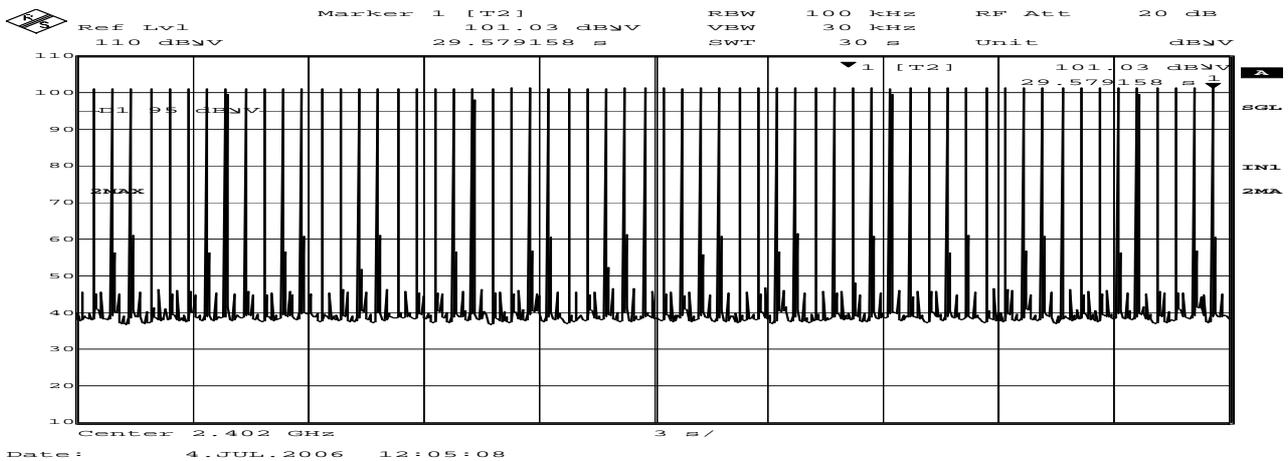
## Hopping: Count 1



## Count 2



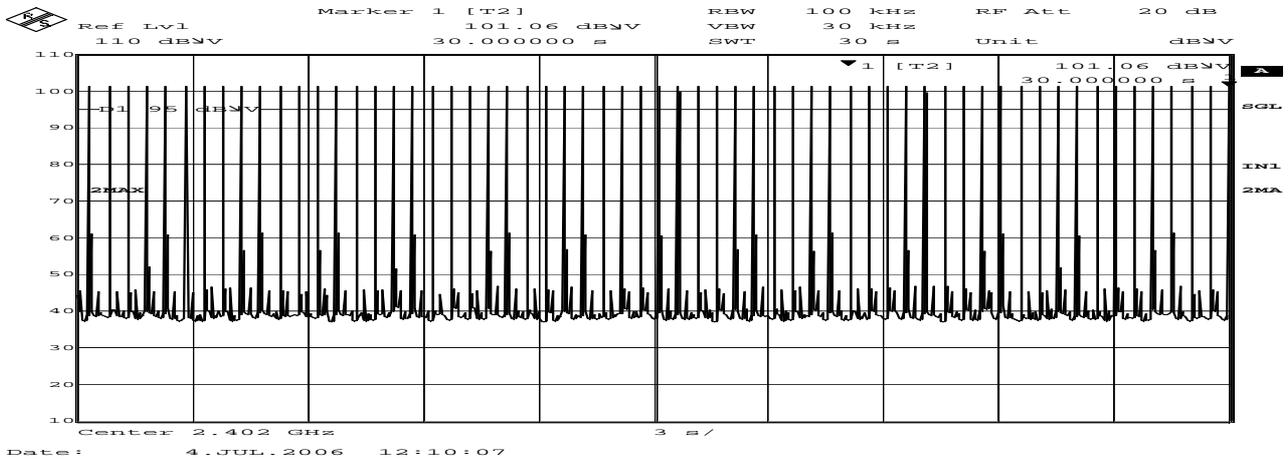
## Count 3



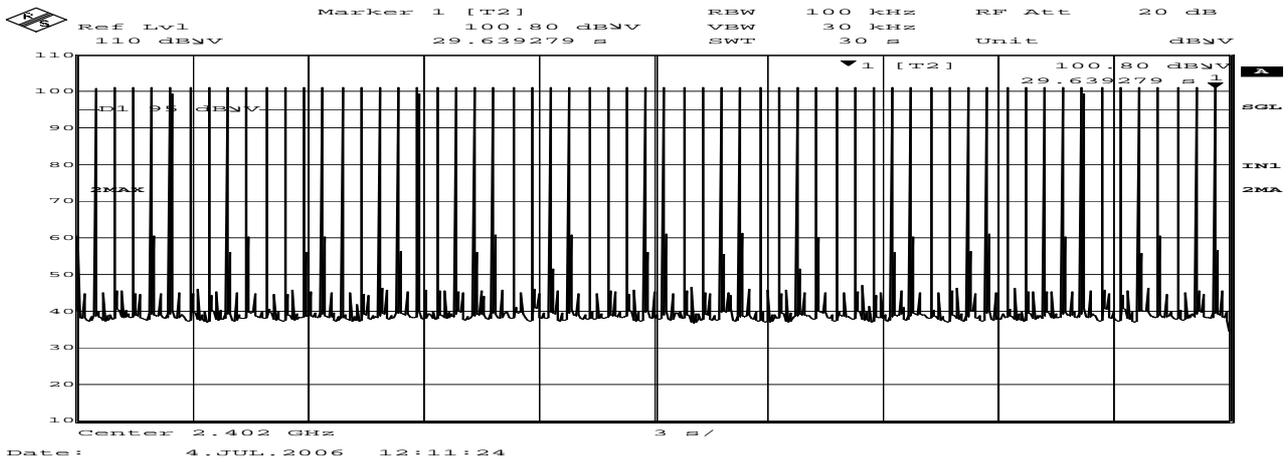
**Dwell Time: FCC 15.247(a)(1)(iii)**

<b>COMPANY</b> : Sony EMCS Corporation Saitama TEC	<b>UL Apex Co.,Ltd. Yamakita No.2 Shielded Room</b>
<b>EQUIPMENT</b> : Wireless Stereo Headset	<b>REPORT NO</b> : 26IE0239-YK-A
<b>MODEL NUMBER</b> : DR-BT10CX	<b>REGULATION</b> : Fcc Part15SubpartC 247(a)(1)(iii)
<b>SERIAL NUMBER</b> : #3A	<b>DATE</b> : 2006/07/04
<b>FCC ID</b> : AK8DRBT10CX	<b>TEMP./HUMI</b> : 22deg.C./68%
<b>POWER</b> : DC3.7V	<b>TEST MODE</b> : Transmitting
	<b>ENGINEER</b> : Makoto Hosaka

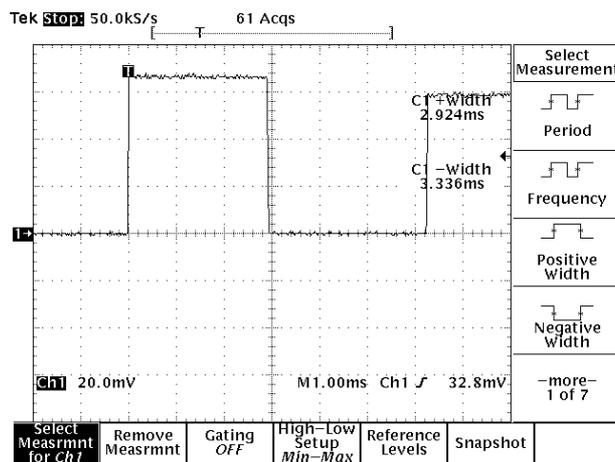
**Count 4**



**Count 5**



**Duty cycle(Hopping)**

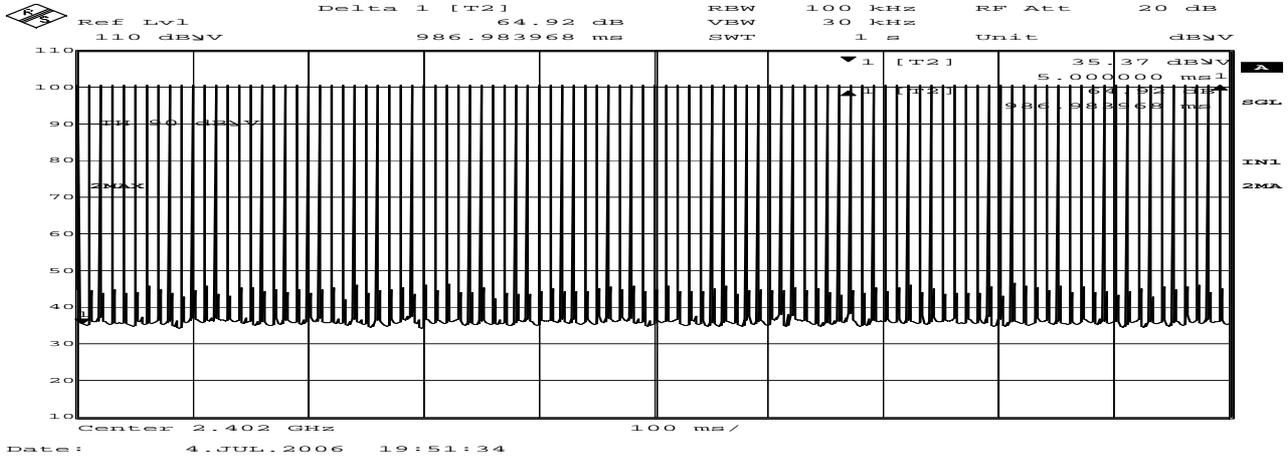


Average times of rising in 30 sec. of sweep = (60 + 60 + 60 + 61 + 60) / 5 = 60.2  
 Average times of rising in 1 sec. = 60.2 / 30s = 2.01  
 Average times of rising in 0.4x = 0.4 \* 79ch \* 2.01 = 63.52  
 Dwell time = 63.52 \* 2.92 = 185.49 [ms]  
 Limit : Dwell Time < 0.4[s]

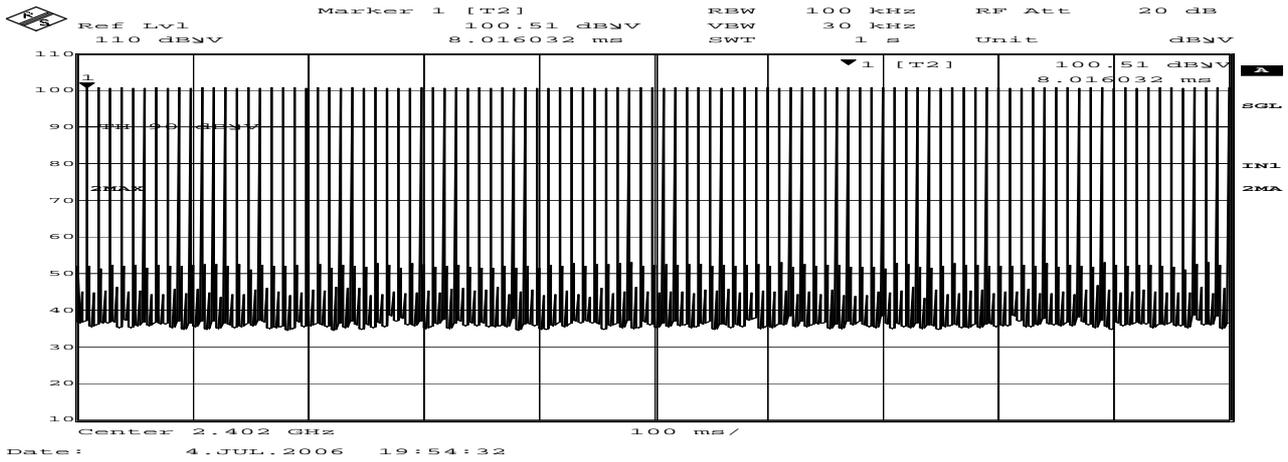
**Dwell Time: FCC 15.247(a)(1)(iii)**

<b>COMPANY</b>	: Sony EMCS Corporation Saitama TEC	<b>UL Apex Co.,Ltd. Yamakita No.2 Shielded Room</b>
<b>EQUIPMENT</b>	: Wireless Stereo Headset	<b>REPORT NO</b>
<b>MODEL NUMBER</b>	: DR-BT10CX	: 26IE0239-YK-A
<b>SERIAL NUMBER</b>	: #3A	<b>REGULATION</b>
<b>FCC ID</b>	: AK8DRBT10CX	: Fcc Part15SubpartC 247(a)(1)(iii)
<b>POWER</b>	: DC3.7V	<b>DATE</b>
		: 2006/07/04
		<b>TEMP./HUMI</b>
		: 22deg.C./68%
		<b>TEST MODE</b>
		: Transmitting
		<b>ENGINEER</b>
		: Makoto Hosaka

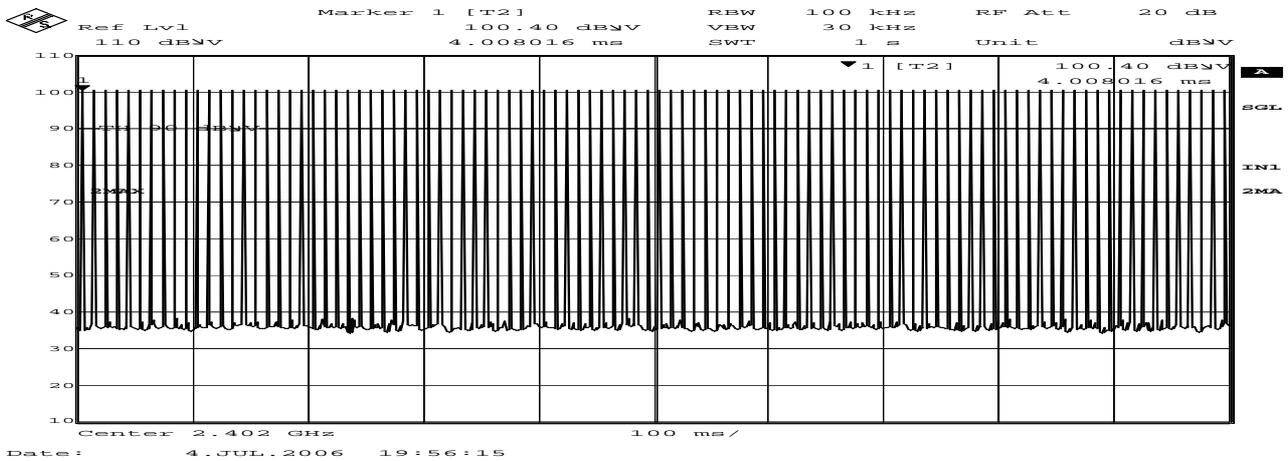
**Inquiry:**  
**Count 1**



**Count 2**



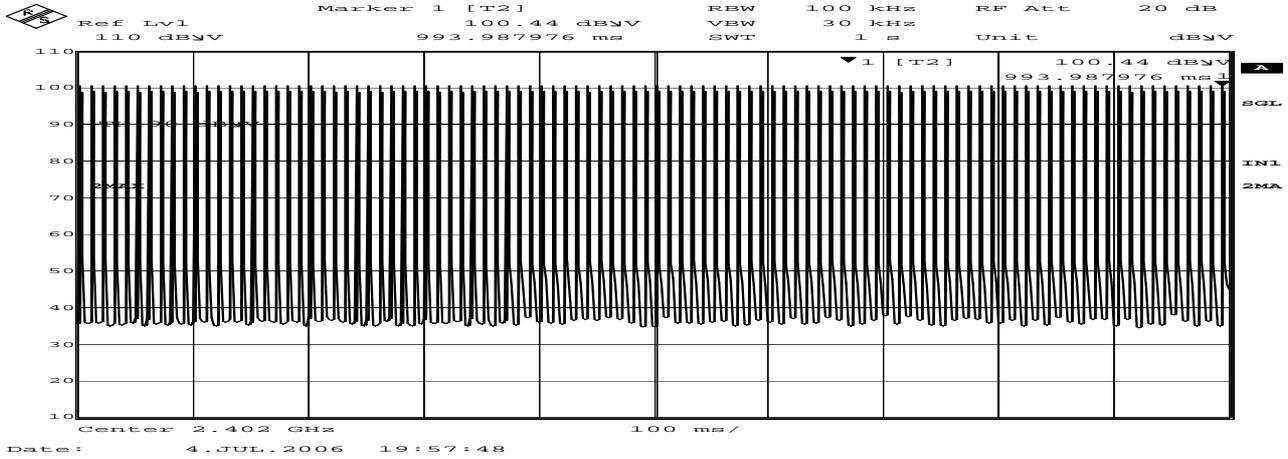
**Count 3**



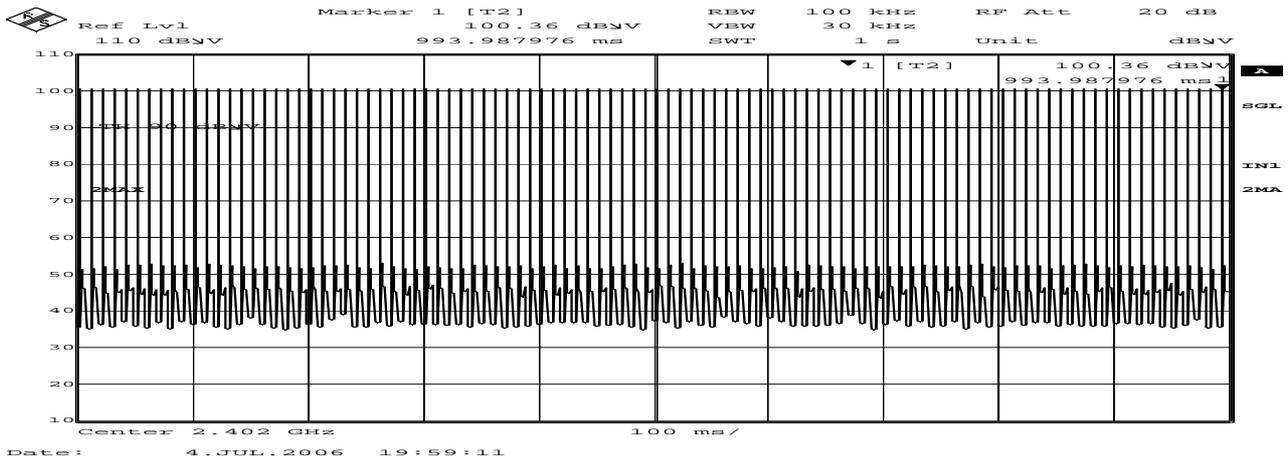
**Dwell Time: FCC 15.247(a)(1)(iii)**

<b>COMPANY</b>	: Sony EMCS Corporation Saitama TEC	<b>UL Apex Co.,Ltd. Yamakita No.2 Shielded Room</b>
<b>EQUIPMENT</b>	: Wireless Stereo Headset	<b>REPORT NO</b>
<b>MODEL NUMBER</b>	: DR-BT10CX	: 26IE0239-YK-A
<b>SERIAL NUMBER</b>	: #3A	<b>REGULATION</b>
<b>FCC ID</b>	: AK8DRBT10CX	: Fcc Part15SubpartC 247(a)(1)(iii)
<b>POWER</b>	: DC3.7V	<b>DATE</b>
		: 2006/07/04
		<b>TEMP./HUMI</b>
		: 22deg.C./68%
		<b>TEST MODE</b>
		: Transmitting
		<b>ENGINEER</b>
		: Makoto Hosaka

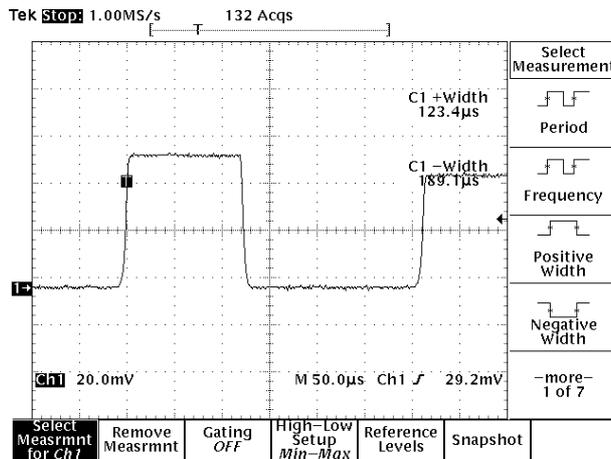
**Count 4**



**Count 5**



**Duty cycle(Inquiry)**



Average times of rising in 30 sec. of sweep = (100 + 100 + 100 + 100 + 100) / 5 = 100  
 Average times of rising in 1 sec. = 100 / 1s = 100.0  
 Average times of rising in 0.4x = 0.4 \* 32ch \* 100.0 = 1280.0  
 Dwell time = 1280.0 \* 0.12 = 153.60 [ms]  
 Limit : Dwell Time < 0.4[s]

# Maximum Peak Conducted Output Power

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

COMPANY : Sony EMCS Corporation Saitama TEC  
EQUIPMENT : Wireless Stereo Headset  
MODEL NUMBER: DR-BT10CX  
SERIAL NUMBER: #3A  
FCC ID : AK8DRBT10CX  
POWER : DC3.7V  
TEST MODE : Transmitting

REPORT NO : 26IE0239-YK-A  
REGULATION : Fcc Part15SubpartC 247(b)(1)  
DATE : 2006/07/04  
TEMP./HUMI : 22deg.C/68%  
TEST MODE : Transmitting  
ENGINEER : Makoto Hosaka

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	-6.64	0.30	-6.34	20.96	27.30
Mid	2441.00	-7.44	0.30	-7.14	20.96	28.10
High	2480.00	-8.73	0.30	-8.43	20.96	29.39
Hopping	-	-7.05	0.30	-6.75	20.96	27.71
Inquiry	-	-7.06	0.30	-6.76	20.96	27.72

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:KCC-D16

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

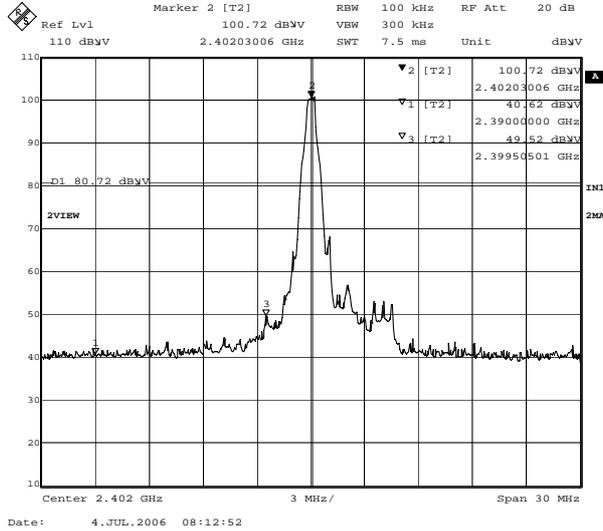
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

COMPANY : Sony EMCS Corporation Saitama TEC  
 EQUIPMENT : Wireless Stereo Headset  
 MODEL NUMBER: DR-BT10CX  
 SERIAL NUMBER: #3A  
 FCC ID : AK8DRBT10CX  
 POWER : DC3.7V

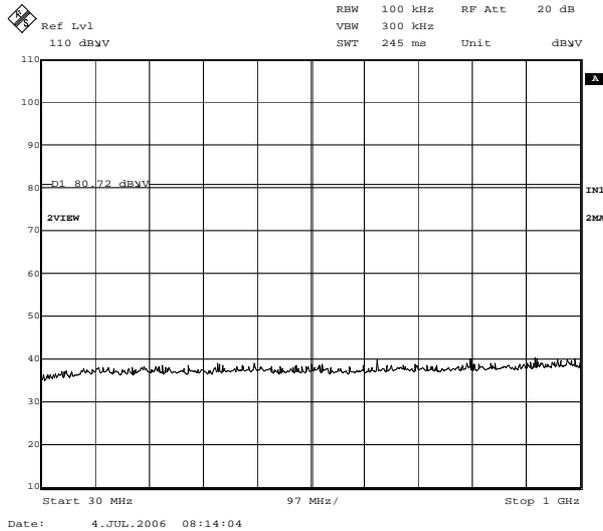
REPORT NO : 26IE0239-YK-A  
 REGULATION : Fcc Part15SubpartC 247(d)  
 DATE : 2006/07/04  
 TEMP./HUMI : 22deg.C./68%  
 TEST MODE : Transmitting (Hopping off)  
 ENGINEER : Makoto Hosaka

[Transmitting]  
 Ch:2402MHz

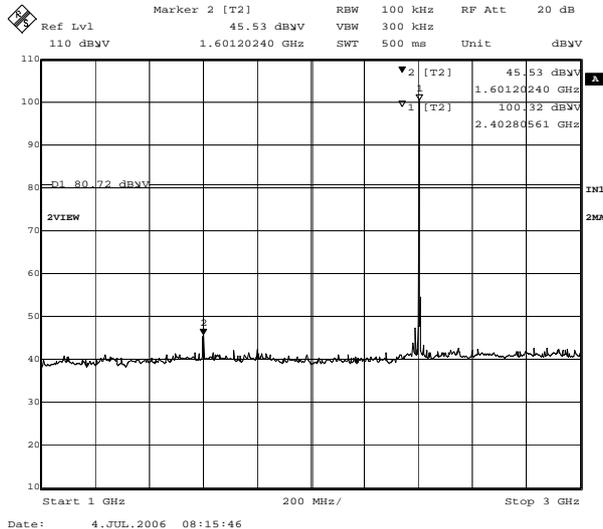
1.



2.



3.



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

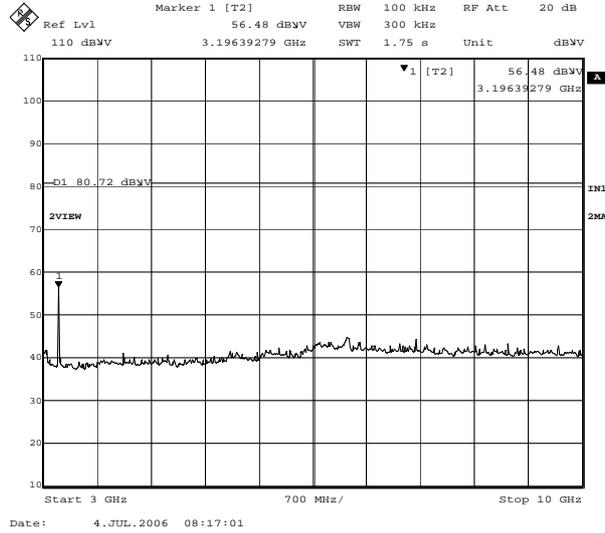
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

COMPANY : Sony EMCS Corporation Saitama TEC  
 EQUIPMENT : Wireless Stereo Headset  
 MODEL NUMBER: DR-BT10CX  
 SERIAL NUMBER: #3A  
 FCC ID : AK8DRBT10CX  
 POWER : DC3.7V

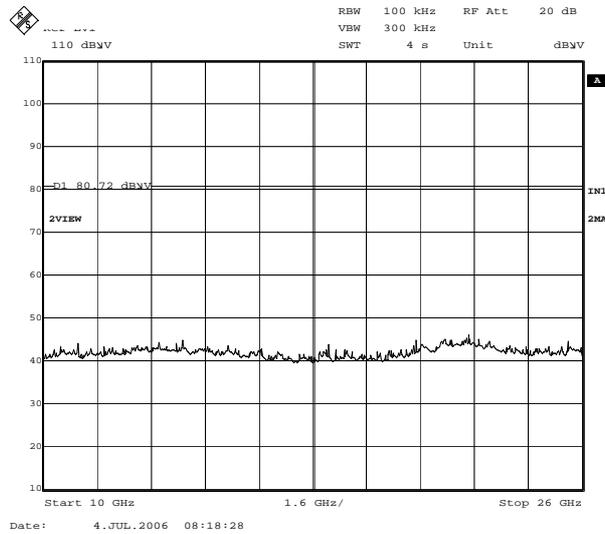
REPORT NO : 26IE0239-YK-A  
 REGULATION : Fcc Part15SubpartC 247(d)  
 DATE : 2006/07/04  
 TEMP./HUMI : 22deg.C./68%  
 TEST MODE : Transmitting (Hopping off)  
 ENGINEER : Makoto Hosaka

[Transmitting]  
 Ch:2402MHz

4.



5.



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

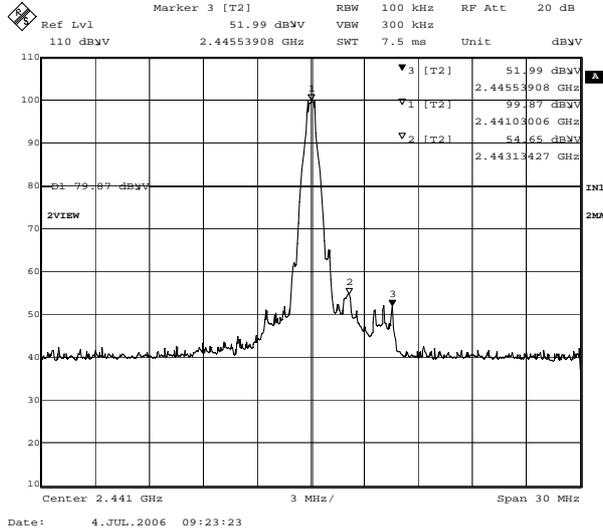
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

COMPANY : Sony EMCS Corporation Saitama TEC  
 EQUIPMENT : Wireless Stereo Headset  
 MODEL NUMBER: DR-BT10CX  
 SERIAL NUMBER: #3A  
 FCC ID : AK8DRBT10CX  
 POWER : DC3.7V

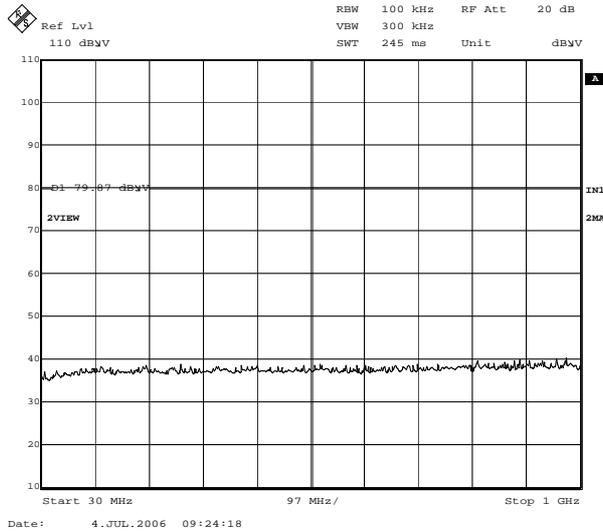
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 REGULATION : Fcc Part15SubpartC 247(d)  
 DATE : 2006/07/04  
 TEMP./HUMI : 22deg.C./68%  
 TEST MODE : Transmitting (Hopping off)  
 ENGINEER : Makoto Hosaka

[Transmitting]  
 Ch:2441MHz

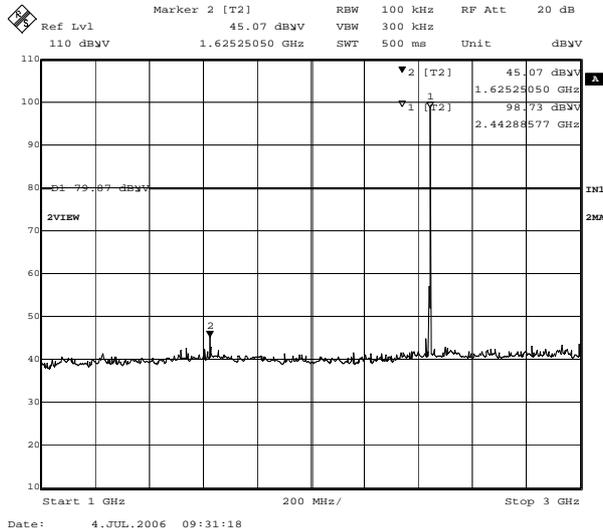
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2.



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

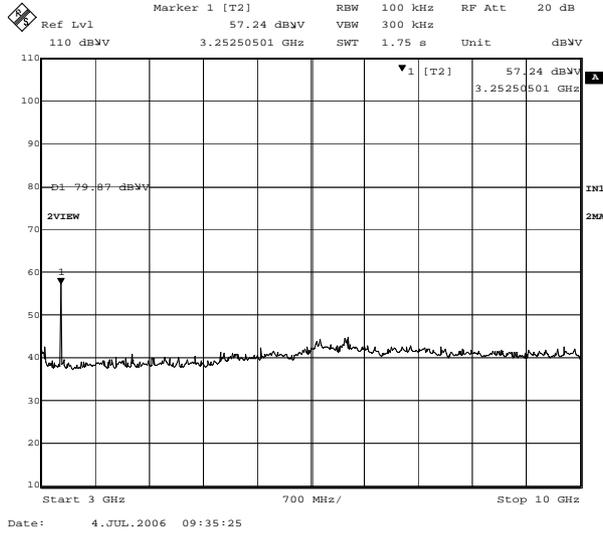
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

COMPANY : Sony EMCS Corporation Saitama TEC  
 EQUIPMENT : Wireless Stereo Headset  
 MODEL NUMBER: DR-BT10CX  
 SERIAL NUMBER: #3A  
 FCC ID : AK8DRBT10CX  
 POWER : DC3.7V

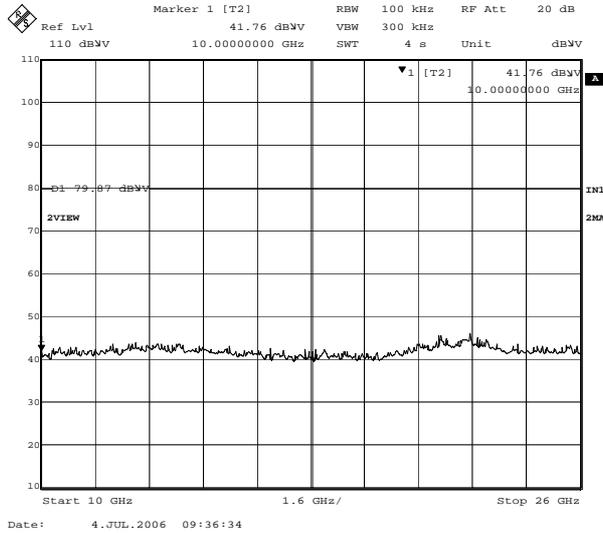
REPORT NO : 26IE0239-YK-A  
 REGULATION : Fcc Part15SubpartC 247(d)  
 DATE : 2006/07/04  
 TEMP./HUMI : 22deg.C./68%  
 TEST MODE : Transmitting (Hopping off)  
 ENGINEER : Makoto Hosaka

[Transmitting]  
 Ch:2441MHz

4.



5.



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

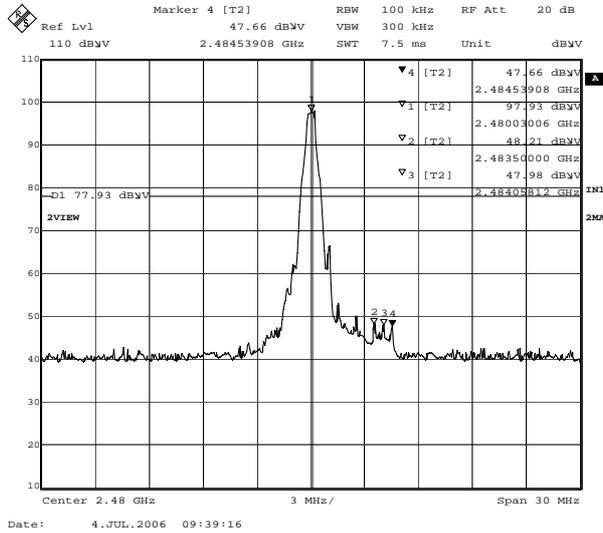
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

COMPANY : Sony EMCS Corporation Saitama TEC  
 EQUIPMENT : Wireless Stereo Headset  
 MODEL NUMBER: DR-BT10CX  
 SERIAL NUMBER: #3A  
 FCC ID : AK8DRBT10CX  
 POWER : DC3.7V

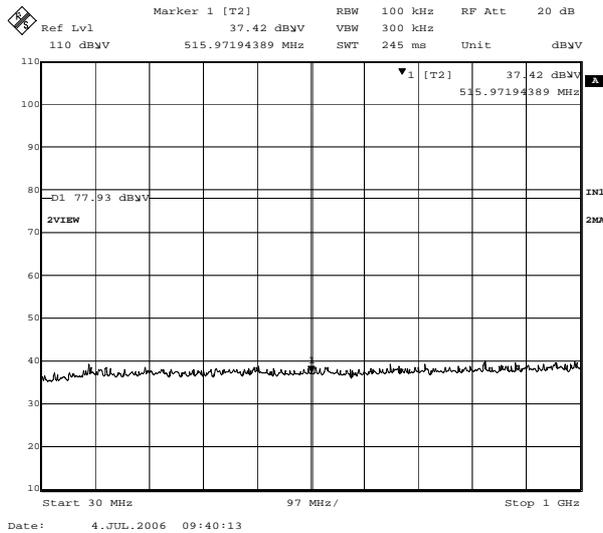
REPORT NO : 26IE0239-YK-A  
 REGULATION : Fcc Part15SubpartC 247(d)  
 DATE : 2006/07/04  
 TEMP./HUMI : 22deg.C./68%  
 TEST MODE : Transmitting (Hopping off)  
 ENGINEER : Makoto Hosaka

[Transmitting]  
 Ch11:2480MHz

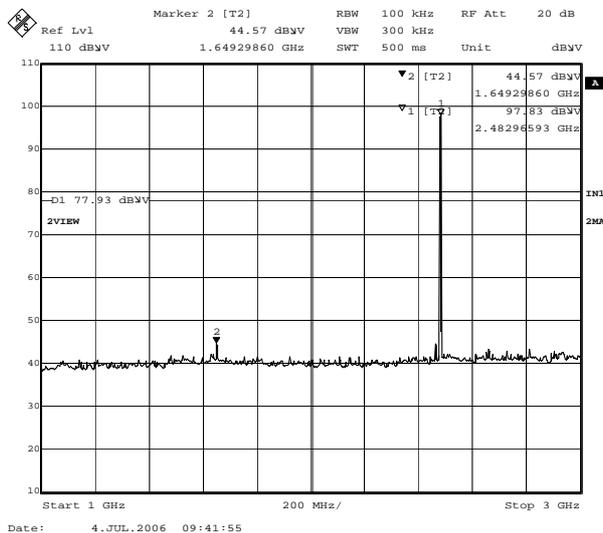
1.



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

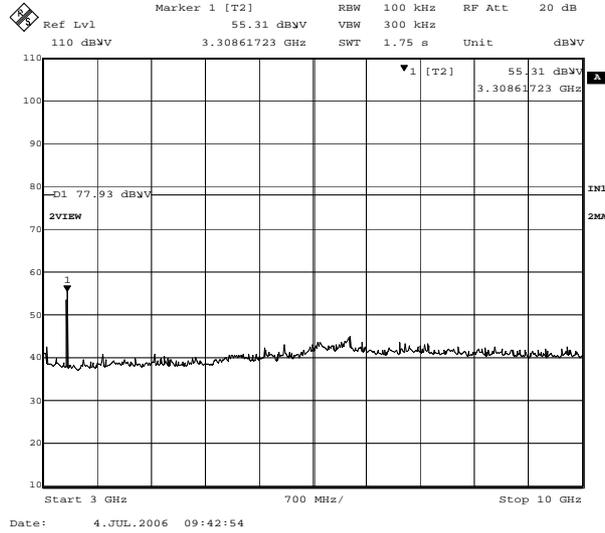
UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

COMPANY : Sony EMCS Corporation Saitama TEC  
 EQUIPMENT : Wireless Stereo Headset  
 MODEL NUMBER: DR-BT10CX  
 SERIAL NUMBER: #3A  
 FCC ID : AK8DRBT10CX  
 POWER : DC3.7V

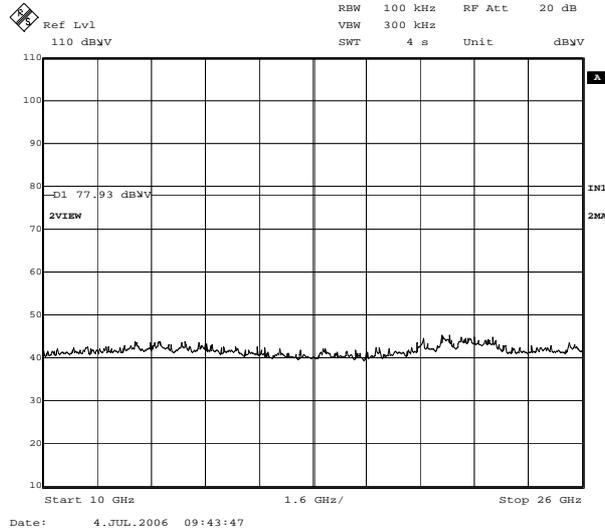
REPORT NO : 26IE0239-YK-A  
 REGULATION : Fcc Part15SubpartC 247(d)  
 DATE : 2006/07/04  
 TEMP./HUMI : 22deg.C./68%  
 TEST MODE : Transmitting (Hopping off)  
 ENGINEER : Makoto Hosaka

[Transmitting]  
 Ch:2480MHz

4.



5.



# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 261E0239-YK- A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3.7V  
 Mode : Transmitting (2402MHz)  
 Remarks : 30-1000MHz  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C  
 Humidity : 48 %  
 Regulation : FCC Part15C § 15.209

Engineer : Go Ishiwata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	96.02	BB	28.0	26.2	10.2	28.6	2.0	6.1	17.7	15.9	43.5	25.8	27.6

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

■ ANTENNA: KBA-03 (BBA9106) 30-299MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ CABLE: KCC-30/31/32/34 ■ RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 261E0239-YK-A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3. 7V  
 Mode : Transmitting (2441MHz)  
 Remarks : 30-1000MHz  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C  
 Humidity : 48 %  
 Regulation : FCC Part15C § 15. 209

Engineer : Go Ishiwata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	96.12	BB	28.3	26.5	10.3	28.6	2.0	6.1	18.1	16.3	43.5	25.4	27.2

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

■ ANTENNA: KBA-03 (BBA9106) 30-299MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ CABLE: KCC-30/31/32/34 ■ RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 261E0239-YK - A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3. 7V  
 Mode : Transmitting (2480MHz)  
 Remarks : 30-1000MHz  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C  
 Humidity : 48 %  
 Regulation : FCC Part15C § 15. 209

Engineer : Go Ishiwata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	96.10	BB	28.7	26.4	10.3	28.6	2.0	6.1	18.5	16.2	43.5	25.0	27.3

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

■ ANTENNA: KBA-03 (BBA9106) 30-299MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ CABLE: KCC-30/31/32/34 ■ RECEIVER: KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 261E0239-YK-A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3.7V  
 Mode : Transmitting (2402MHz)  
 Remarks : 1-26GHz PK (RBW:1MHz, VBW:1MHz)  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C  
 Humidity : 48 %  
 Regulation : FCC Part15C §15.209 (PK Detection)

Engineer : Go Ishiwata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	2390.00	BB	44.1	44.2	28.7	36.8	4.0	9.9	49.9	50.0	74.0	24.1	24.0
2.	4804.00	BB	43.4	43.5	32.9	37.1	5.8	0.5	45.5	45.6	74.0	28.5	28.4
3.	7206.00	BB	41.3	42.3	36.4	36.9	6.6	0.5	47.9	48.9	74.0	26.1	25.1
4.	9608.00	BB	42.9	42.5	38.4	37.0	7.6	1.0	52.9	52.5	74.0	21.1	21.5
5.	12010.00	BB	42.1	41.6	40.6	36.2	9.0	0.4	55.9	55.4	74.0	18.1	18.6
6.	14412.00	BB	41.3	41.5	43.0	33.7	9.1	0.7	60.4	60.6	74.0	13.6	13.4
7.	16814.00	BB	42.9	42.2	42.1	34.4	9.6	0.3	60.5	59.8	74.0	13.5	14.2
8.	19216.00	BB	43.7	43.5	40.9	33.5	10.1	0.0	61.2	61.0	74.0	12.8	13.0
9.	21618.00	BB	44.5	44.4	40.6	33.2	10.8	0.0	62.7	62.6	74.0	11.3	11.4
10.	24020.00	BB	43.7	43.7	40.5	33.3	11.5	0.0	62.4	62.4	74.0	11.6	11.6

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 261E0239-YK <sup>∞</sup> A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3.7V  
 Mode : Transmitting (2402MHz)  
 Remarks : 1-26GHz AV (RBW:1MHz, VBW:10Hz)  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C  
 Humidity : 48 %  
 Regulation : FCC Part15C § 15.209 (AV Detection)

Engineer : Go Ishiwata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	2390.00	BB	33.5	33.7	28.7	36.8	4.0	9.9	39.3	39.5	54.0	14.7	14.5
2.	4804.00	BB	32.9	33.1	32.9	37.1	5.8	0.5	35.0	35.2	54.0	19.0	18.8
3.	7206.00	BB	31.5	31.3	36.4	36.9	6.6	0.5	38.1	37.9	54.0	15.9	16.1
4.	9608.00	BB	32.3	32.0	38.4	37.0	7.6	1.0	42.3	42.0	54.0	11.7	12.0
5.	12010.00	BB	31.8	32.0	40.6	36.2	9.0	0.4	45.6	45.8	54.0	8.4	8.2
6.	14412.00	BB	31.7	31.7	43.0	33.7	9.1	0.7	50.8	50.8	54.0	3.2	3.2
7.	16814.00	BB	33.1	32.8	42.1	34.4	9.6	0.3	50.7	50.4	54.0	3.3	3.6
8.	19216.00	BB	33.3	33.1	40.9	33.5	10.1	0.0	50.8	50.6	54.0	3.2	3.4
9.	21618.00	BB	34.2	34.1	40.6	33.2	10.8	0.0	52.4	52.3	54.0	1.6	1.7
10.	24020.00	BB	34.0	34.3	40.5	33.3	11.5	0.0	52.7	53.0	54.0	1.3	1.0

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 261E0239-YK-A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3.7V  
 Mode : Transmitting (2441MHz)  
 Remarks : 1-26GHz PK (RBW:1MHz, VBW:1MHz)  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C Engineer : Go Ishiwata  
 Humidity : 48 %  
 Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	4882.00	BB	42.9	43.4	33.1	37.2	5.8	0.5	45.1	45.6	74.0	28.9	28.4
2.	7323.00	BB	41.6	42.0	36.6	37.0	6.7	0.5	48.4	48.8	74.0	25.6	25.2
3.	9764.00	BB	42.5	42.3	38.5	37.0	7.6	0.9	52.5	52.3	74.0	21.5	21.7
4.	12205.00	BB	42.2	42.0	40.5	35.8	8.8	0.5	56.2	56.0	74.0	17.8	18.0
5.	14646.00	BB	40.9	41.2	43.0	34.1	9.3	0.7	59.8	60.1	74.0	14.2	13.9
6.	17087.00	BB	42.6	42.4	43.2	34.0	9.7	0.4	61.9	61.7	74.0	12.1	12.3
7.	19528.00	BB	44.1	43.9	40.9	34.4	10.2	0.0	60.8	60.6	74.0	13.2	13.4
8.	21969.00	BB	44.3	44.3	40.8	33.7	11.0	0.0	62.4	62.4	74.0	11.6	11.6
9.	24410.00	BB	43.4	43.5	40.7	33.0	11.5	0.0	62.6	62.7	74.0	11.4	11.3

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 261E0239-YK - A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3. 7V  
 Mode : Transmitting (2441MHz)  
 Remarks : 1-26GHz AV (RBW:1MHz, VBW:10Hz)  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C Engineer : Go Ishiwata  
 Humidity : 48 %  
 Regulation : FCC Part15C § 15. 209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	4882.00	BB	31.8	32.0	33.1	37.2	5.8	0.5	34.0	34.2	54.0	20.0	19.8
2.	7323.00	BB	31.9	31.4	36.6	37.0	6.7	0.5	38.7	38.2	54.0	15.3	15.8
3.	9764.00	BB	32.4	32.2	38.5	37.0	7.6	0.9	42.4	42.2	54.0	11.6	11.8
4.	12205.00	BB	32.0	32.1	40.5	35.8	8.8	0.5	46.0	46.1	54.0	8.0	7.9
5.	14646.00	BB	31.9	31.6	43.0	34.1	9.3	0.7	50.8	50.5	54.0	3.2	3.5
6.	17087.00	BB	33.2	33.0	43.2	34.0	9.7	0.4	52.5	52.3	54.0	1.5	1.7
7.	19528.00	BB	33.3	33.0	40.9	34.4	10.2	0.0	50.0	49.7	54.0	4.0	4.3
8.	21969.00	BB	34.3	34.2	40.8	33.7	11.0	0.0	52.4	52.3	54.0	1.6	1.7
9.	24410.00	BB	33.9	34.0	40.7	33.0	11.5	0.0	53.1	53.2	54.0	0.9	0.8

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 261E0239-YK- A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3.7V  
 Mode : Transmitting (2480MHz)  
 Remarks : 1-26GHz PK (RBW:1MHz, VBW:1MHz)  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C  
 Humidity : 48 %  
 Regulation : FCC Part15C §15.209 (PK Detection)

Engineer : Go Ishiwata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	2483.50	BB	45.1	45.1	28.8	36.8	4.0	9.9	51.0	51.0	74.0	23.0	23.0
2.	4960.00	BB	43.4	42.3	33.3	37.3	5.8	0.4	45.6	44.5	74.0	28.4	29.5
3.	7440.00	BB	41.9	42.2	36.9	37.0	6.7	0.5	49.0	49.3	74.0	25.0	24.7
4.	9920.00	BB	43.1	42.6	38.6	36.9	7.6	0.8	53.2	52.7	74.0	20.8	21.3
5.	12400.00	BB	41.8	42.1	40.4	35.4	8.6	0.6	56.0	56.3	74.0	18.0	17.7
6.	14880.00	BB	41.2	41.3	42.3	34.8	9.5	0.6	58.8	58.9	74.0	15.2	15.1
7.	17360.00	BB	42.3	42.1	44.5	34.2	9.7	0.2	62.5	62.3	74.0	11.5	11.7
8.	19840.00	BB	43.9	44.1	40.9	33.9	10.3	0.0	61.2	61.4	74.0	12.8	12.6
9.	22320.00	BB	44.2	44.1	40.9	33.1	11.0	0.0	63.0	62.9	74.0	11.0	11.1
10.	24800.00	BB	43.5	43.9	40.9	33.5	11.7	0.0	62.6	63.0	74.0	11.4	11.0

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE:KCC-D3/D7 ■ PREAMP:KAF-02 (8449B) ■ SPECTRUMANALYZER:KSA-04 (R3271A)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 261E0239-YK - A

Applicant : Sony EMCS Corporation Saitama TEC  
 Kind of Equipment : Wireless Stereo Headset  
 Model No. : DR-BT10CX  
 Serial No. : #4A  
 Power : DC3.7V  
 Mode : Transmitting (2480MHz)  
 Remarks : 1-26GHz AV (RBW:1MHz, VBW:10Hz)  
 Date : 7/7/2006  
 Test Distance : 3 m  
 Temperature : 21 °C  
 Humidity : 48 %  
 Regulation : FCC Part15C § 15.209 (AV Detection)

Engineer : Go Ishiwata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	2483.50	BB	35.5	35.1	28.8	36.8	4.0	9.9	41.4	41.0	54.0	12.6	13.0
2.	4960.00	BB	32.4	32.2	33.3	37.3	5.8	0.4	34.6	34.4	54.0	19.4	19.6
3.	7440.00	BB	31.7	31.6	36.9	37.0	6.7	0.5	38.8	38.7	54.0	15.2	15.3
4.	9920.00	BB	32.3	33.4	38.6	36.9	7.6	0.8	42.4	43.5	54.0	11.6	10.5
5.	12400.00	BB	32.3	31.9	40.4	35.4	8.6	0.6	46.5	46.1	54.0	7.5	7.9
6.	14880.00	BB	31.8	32.0	42.3	34.8	9.5	0.6	49.4	49.6	54.0	4.6	4.4
7.	17360.00	BB	33.0	32.7	44.5	34.2	9.7	0.2	53.2	52.9	54.0	0.8	1.1
8.	19840.00	BB	33.2	33.2	40.9	33.9	10.3	0.0	50.5	50.5	54.0	3.5	3.5
9.	22320.00	BB	34.1	33.9	40.9	33.1	11.0	0.0	52.9	52.7	54.0	1.1	1.3
10.	24800.00	BB	34.0	34.0	40.9	33.5	11.7	0.0	53.1	53.1	54.0	0.9	0.9

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz

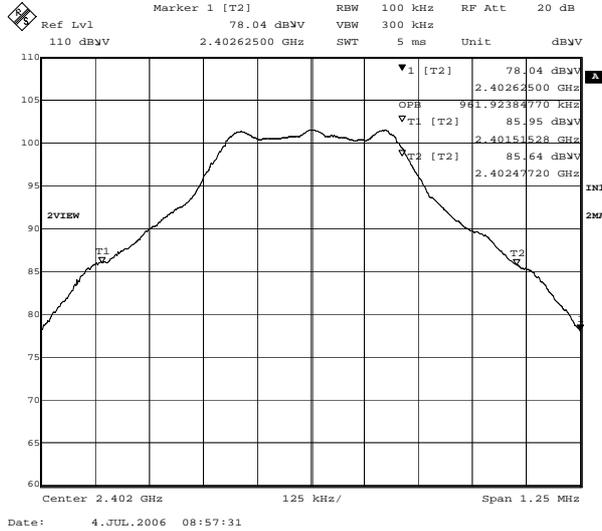
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

## Occupied Bandwidth(99%)

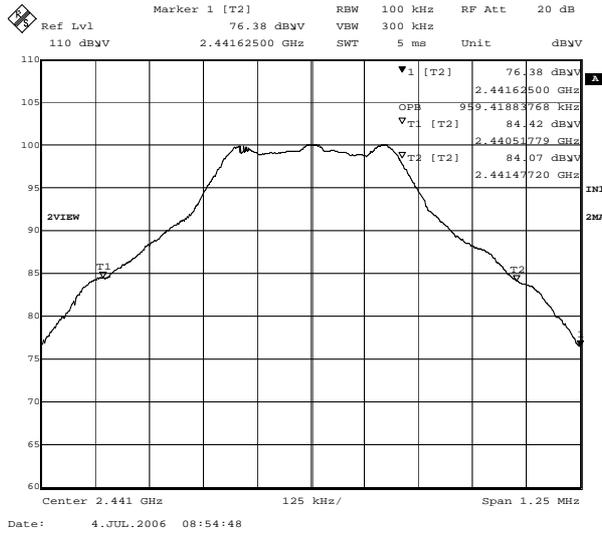
**COMPANY** : Sony EMCS Corporation Saitama TEC  
**EQUIPMENT** : Wireless Stereo Headset  
**MODEL NUMBER**: DR-BT10CX  
**SERIAL NUMBER**: #3A  
**FCC ID** : AK8DRBT10CX  
**POWER** : DC3.7V

**UL Apex Co.,Ltd. Yamakita No.2 Shielded Room**  
**REPORT NO** : 26IE0239-YK-A  
**REGULATION** : RSS-210  
**DATE** : 2006/07/04  
**TEMP./HUMI** : 22deg.C./68%  
**TEST MODE** : Transmitting  
**ENGINEER** : Makoto Hosaka

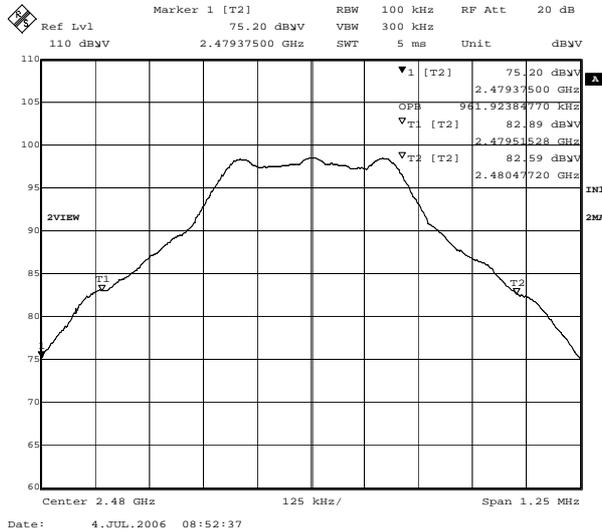
### 1. ch : 2402MHz/Occupied Bandwidth:961.92kHz



### 2. ch : 2437MHz/Occupied Bandwidth:959.42kHz



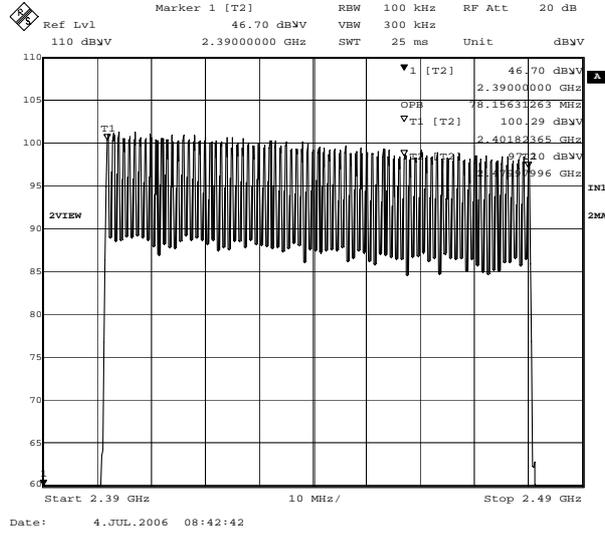
### 3. ch : 2462MHz/Occupied Bandwidth:961.92kHz



## Occupied Bandwidth(99%)

<p>COMPANY : Sony EMCS Corporation Saitama TEC</p> <p>EQUIPMENT : Wireless Stereo Headset</p> <p>MODEL NUMBER: DR-BT10CX</p> <p>SERIAL NUMBER: #3A</p> <p>FCC ID : AK8DRBT10CX</p> <p>POWER : DC3.7V</p>	<p style="text-align: right;">UL Apex Co.,Ltd. Yamakita No.2 Shielded Room</p> <p>REPORT NO : 26IE0239-YK-A</p> <p>REGULATION : RSS-210</p> <p>DATE : 2006/07/04</p> <p>TEMP./HUMI : 22deg.C./68%</p> <p>TEST MODE : Transmitting</p> <p>ENGINEER : Makoto Hosaka</p>
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### 4. Hopping/Occupied Bandwidth:78.16MHz



Test Report No :26IE0240-YK-A

### APPENDIX 3 Test Instruments

#### EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
YA-RE	Radiated emission(software)	UL-Apex	RE(Ver.1.5)	RE	-
KAEC-01(NSA)	Anechoic Chamber	JSE	Semi 3m	RE	2005/09/03 * 12
KAF-05	Pre Amplifier	Agilent	8447D	RE	2006/04/21 * 12
KAT6-01	Attenuator	INMET	18N-6dB	RE	2006/03/24 * 12
KBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2006/01/17 * 12
KCC-30/31/32 /34/KRM-03	Coaxial Cable/RF Relay Matrix	Fujikura/Suhner/TSJ	5D-2W/S04272B/RFM-E421	RE	2005/12/22 * 12
KLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2006/01/17 * 12
KSA-04	Spectrum Analyzer	Advantest	R3271A	RE	2005/09/13 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ESI40	RE/AT 1,2,3,4,6	2005/08/05 * 12
KOS-01	Digital Humidity Indicator	Custom	CTH-190	RE/AT all	2004/08/19 * 24
KAF-04	Pre Amplifier	Agilent	8449B	RE	2006/04/24 * 12
KAT10-S1	Attenuator	Agilent	8449D 010	RE	2006/04/11 * 12
KCC-D3/D7	Coaxial Cable	Rosenberger/Advantest	2201/JUN-08-01-061	RE	2006/04/11 * 12
KCC-D16	Coaxial Cable	INSULATED WIRE INC	KPS-1501-200-KPS	AT all	2005/09/02 * 12
KDT-01	Coaxial Crystal Detector	Agilent	8473C	AT 4	Pre Check
KFL-01	Highpass Filter	Hewlett Packard	84300 80038	RE	2006/04/11 * 12
KHA-02	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2006/04/10 * 12
KHA-04	Horn Antenna	EMCO	3160-09	RE	2006/04/10 * 12
KPM-05	Power meter	Agilent	E4417A	AT 5	2006/02/16 * 12
KPSS-01	Power sensor	Agilent	E9327A	AT 5	2006/03/15 * 12
KST-09	Digitizing Oscilloscope	Tektronix	TDS420A	AT 4	2005/08/31 * 12
KST-08	Oscilloscope	Agilent	DSO6052A	AT 4	2006/05/18 * 12

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

#### Test Item :

- RE: Out of Band Emission (Radiated)
- AT: Antenna terminal conducted test
  - 1: Carrier Frequency Separation
  - 2: 20dB Bandwidth
  - 3: Number of Hopping Frequency
  - 4: Dwell time
  - 5: Maximum Peak Output Power
  - 6: Out of Band Emission (Conducted)