Test Report of FCC Part 15 C for FCC Certificate

On Behalf of

KYUNG JIN ELECTRON CO.,LTD

Product description:	**Wireless Headset**
Model No.:	**W-2400**
FCC ID:	**XPG-W-2400**

Prepared for:	**KYUNG JIN ELECTRON CO.,LTD**
	F/1st blessvill, 200-39, MaJung-Li, GongDo-Eup, AnSung-Si, KyungKi-Do, South Korea
Prepared by:	**Bontek Compliance Testing Laboratory Ltd**
	1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China
	Tel: 86-755-86337020
	Fax: 86-755-86337028
Report No.:	BCT09HR-743E-1
Issue Date:	August 31, 2009
Test Date:	August 12~ 25, 2009

Test by: **Reviewed By:**

Kendy Wang

Kendy Wang

Tony Wu

Tony Wu

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Applicant:	**KYUNG JIN ELECTRON CO.,LTD**
Address of applicant:	F/1st blessvill, 200-39, MaJung-Li, GongDo-Eup, AnSung-Si, KyungKi-Do, South Korea
Manufacturer:	**KJ COMMUNICATION(H.K)CO.,LTD**
Address of manufacturer:	F/1st blessvill, 200-39, MaJung-Li, GongDo-Eup, AnSung-Si, KyungKi-Do, South Korea
Product Description:	Wireless Headset
Trade Name:	N/A
Model No.:	W-2400
EUT Description:	Headset of Wireless Headset
Rated Voltage	9 V from inner rechargeable battery and be charged on the base which connect to the adapter
Frequency range	2470MHz~2479.75MHz
Number of channels	40
Channel Separation	250KHz
Product Class:	Low Power Communication Device Transmitter
Measurement Procedure	ANSI C63.4-2003
Adaptor Specification:	AC Adapter :
	Brand Name: Csec
	Model No.: CSD0900300U-31
	Input:AC 120V/60Hz,Output:DC 9V 300mA

Remark: ** The test data gathered are from the production sample provided by the manufacturer.*

1.2 Related Submittal(s) / Grant (s)

This submittal(s) is a test report based on the Electromagnetic Interference (EMI) tests performed on the EUT. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4 - 2003.

The tests were performed in order to determine compliance with Section 15.107 and 15.109 under the FCC Rules Part 15 Subpart B and Section 15.207, 15.209,15.249 under the FCC Rules Part 15 Subpart C.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 - 2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz. Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Test Facility

All measurement required was performed at laboratory of Bontek Compliance Testing Laboratory Ltd at 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China.

The test facility is recognized, certified, or accredited by the following organizations:

FCC – Registration No.: 338263

Bontek Compliance Testing Laboratory Ltd EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 338263, March 24, 2008.

IC Registration No.: 7631A

The 3m alternate test site of Bontek Compliance Testing Laboratory Ltd EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 7631A on March, 2008.

2. SYSTEM TEST CONFIGURATION

The tests documented in this report were performed in accordance with ANSI C63.4-2003 and FCC CFR 47 Part 15 Subpart C.

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The calibrated antennas used to sample the radiated field strength are mounted on a non-conductive, motorized antenna mast 3 or 10 meters from the leading edge of the turntable.

2.3 General Test Procedures

Conducted Emissions The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 7.1 of ANSI C63.4-2003.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak detector mode.

Radiated Emissions The EUT is a placed on as turntable, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4-2003.

2.4 List of Measuring Equipments Used

Items	Equipment	Manufacturer	Model No.	Serial No.	Last Cal	Calibration Period
1	EMI Test Receiver	R&S	ESCI	100687	2009-2-22	1 Year
2	EMI Test Receiver	R&S	ESPI	100097	2009-2-22	1 Year
3	Amplifier	HP	8447D	1937A02492	2009-2-22	1 Year
4	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2009-2-22	1 Year
5	3 phase Artificial Mains（L.I.S.N）	SCHWARZBECK	NSLK 8128	8128247	2009-3-31	1 Year
6	Horn Antenna	SCHWARZBECK	BBHA9120A	D69250	2009-2-27	1 Year
7	High Field Biconical Antenna	ELECTRO-METRICS	EM-6913	166	2008-9-04	1 Year
8	Log Periodic Antenna	ELECTRO-METRICS	EM-6950	811	2008-9-04	1 Year
9	Remote Active Vertical Antenna	ELECTRO-METRICS	EM-6892	304	2008-9-04	1 Year
10	Power Clamp	SCHWARZBECK	MDS-21	3812	2009-2-22	1 Year

3. SUMMARY OF TEST RESULTS

EUT Fundamental Frequency	FCC Rules	Description of Test	Result
2470MHz-2479.75MHz	15.207	Disturbance Voltage at The Mains Terminals	Pass
	15.249	Band Edges Measurement	Pass
	15.249	Spurious Emission	Pass
	15.203	Antenna Requirement	Pass

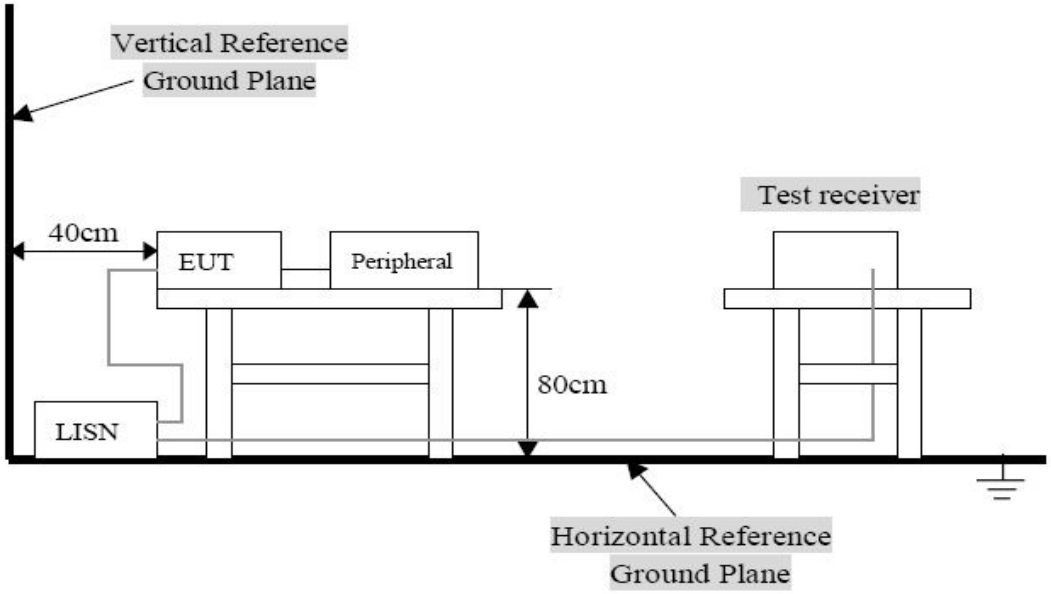
4. TEST OF CONDUCTED EMISSION

4.1 Applicable Standard

Section 15.207: For a Low-power Radio-frequency Device is designed to be connected to the AC power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed below limits table.

Frequency Range (MHz)	Limits (dBuV)	
	Quasi-Peak	Average
0.150～0.500	66～56	56～46
0.500～5.000	56	46
5.000～30.00	60	50

4.2 Test Setup Diagram



Remark: 1. The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC 15.207 limits.

2. The EUT was charged on the base,and the base was connected to a 120 VAC/ 60Hz power source.

4.3 Test Result

Temperature (℃) : 22~23	EUT: Wireless Headset
Humidity (%RH): 50~54	M/N: W-2400
Barometric Pressure (mbar): 950~1000	Operation Condition: Charging Mode

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Voltage Mains FCC ID

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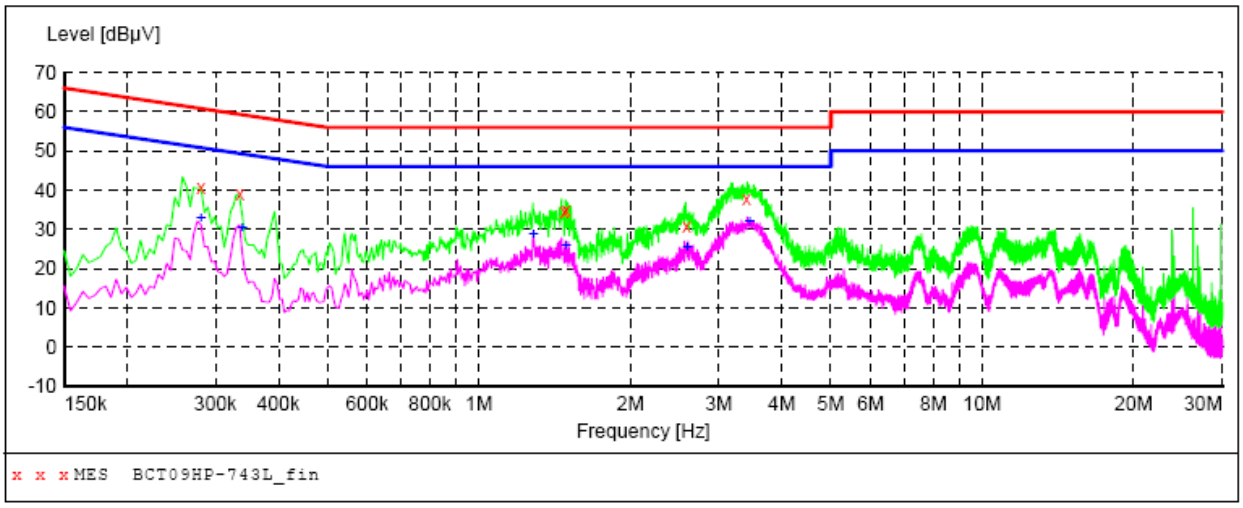
EUT:                    Wireless Headset
Manufacturer:           BCT
Operating Condition:    CHARGING
Test Site:              SHIELDED ROOM
Operator:               CHEN
Test Specification:     AC  120V/60Hz
Comment:                L  LINE
                        Temperature:24    Humiuity:60%
```

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT09HP-743L_fin"

8/12/2009 11:32

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.280500	40.70	10.6	61	20.1	QP	L1	GND
0.335000	39.00	10.6	61	22.0	QP	L1	GND
1.477500	34.40	10.2	56	21.6	QP	L1	GND
1.491000	34.80	10.2	56	21.2	QP	L1	GND
2.584500	31.00	10.2	56	25.0	QP	L1	GND
3.394500	38.00	10.3	56	18.0	QP	L1	GND

MEASUREMENT RESULT: "BCT09HP-743L_fin2"

8/12/2009 11:14

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.280500	33.00	10.6	51	17.8	AV	L1	GND
0.339000	30.50	10.5	49	18.7	AV	L1	GND
1.284000	28.90	10.2	46	17.1	AV	L1	GND
1.491000	25.90	10.2	46	20.1	AV	L1	GND
2.593500	25.70	10.2	46	20.3	AV	L1	GND
3.453000	32.30	10.3	46	13.7	AV	L1	GND

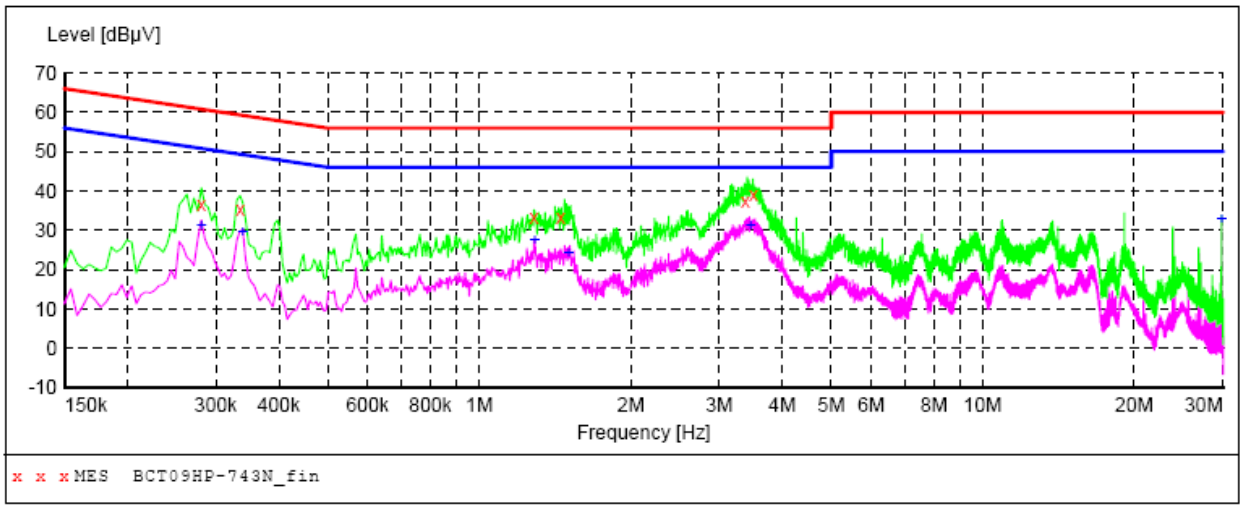
Bontek Compliance Testing Laboratory Ltd

Voltage Mains FCC ID

```
EUT:                    Wireless Headset
Manufacturer:           BCT
Operating Condition:    CHARGING
Test Site:              SHIELDED ROOM
Operator:               CHEN
Test Specification:     AC  120V/60Hz
Comment:                N  LINE
                        Temperature:24    Humiuity:60%
```

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT09HP-743N_fin"

8/12/2009 11:40

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.280500	36.60	10.6	61	24.2	QP	N	GND
0.334500	35.30	10.5	59	24.0	QP	N	GND
1.284000	33.30	10.2	56	22.7	QP	N	GND
1.450500	33.30	10.2	56	22.7	QP	N	GND
3.372000	37.50	10.3	56	18.5	QP	N	GND
3.500000	39.00	10.3	56	17.0	QP	N	GND

MEASUREMENT RESULT: "BCT09HP-743N_fin2"

8/12/2009 11:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.280500	31.30	10.6	51	19.5	AV	N	GND
0.339000	29.60	10.5	49	19.6	AV	N	GND
1.288500	27.70	10.2	46	18.3	AV	N	GND
1.504500	24.40	10.2	46	21.6	AV	N	GND
3.457500	31.20	10.3	46	14.8	AV	N	GND
29.800500	33.00	11.1	50	17.0	AV	N	GND

5- BAND EDGES MEASUREMENT

5.1 Limit of Band Edges Measurement

1. In the above emission table, the tighter limit applies at the band edges.

2. As shown in Section 15.35(b), for frequencies above 1000 MHz, the above field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

(2) The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

5.2 EUT Setup

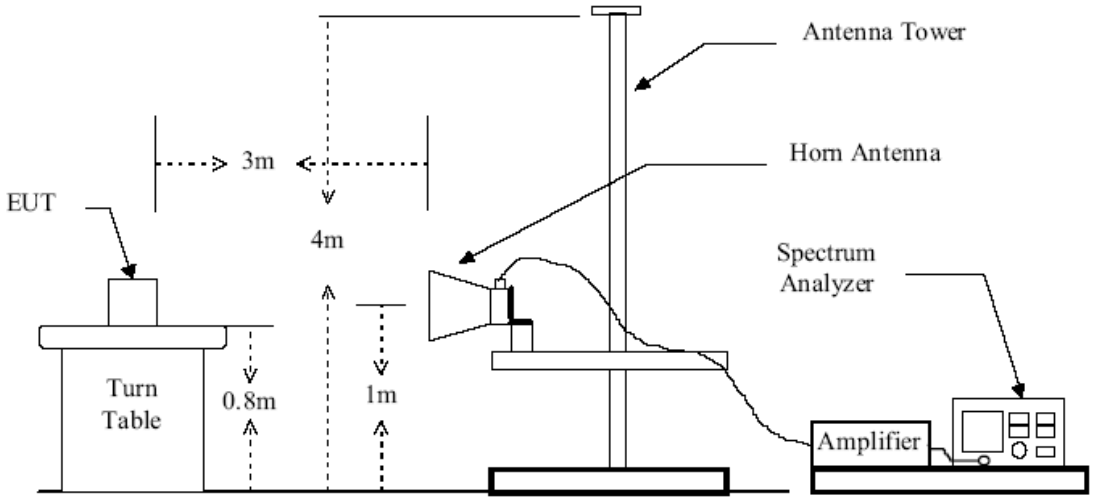


Figure 2 : Frequencies measured above 1 GHz configuration

5.3 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

1). Configure the EUT according to ANSI C63.4:2003.

2). The EUT was placed on the top of the turntable 0.8 meter above ground.

3). The receiving antenna was placed 3 meters far away from the turntable.

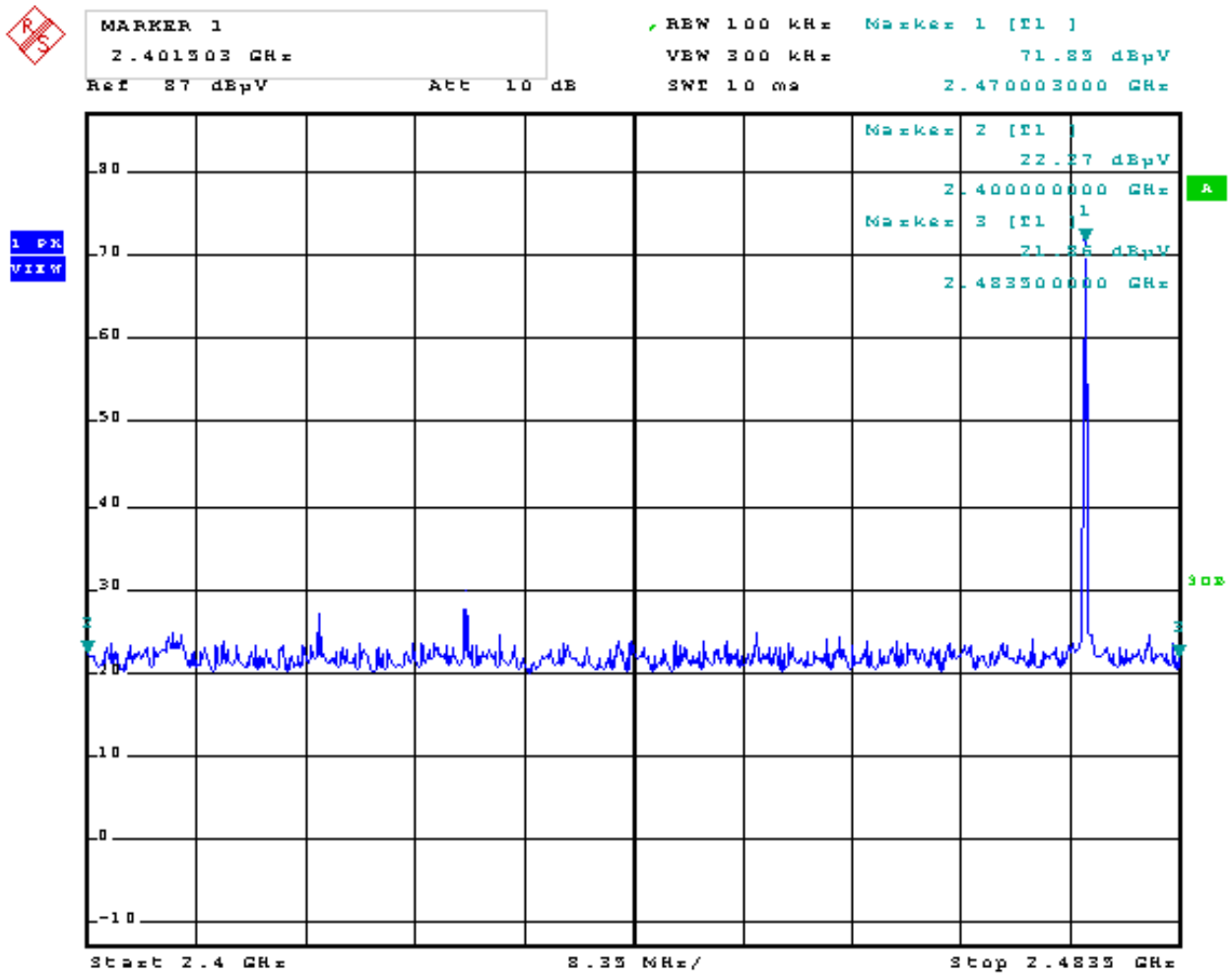
4). The turntable was rotated by 360 degrees to determine the position of the highest radiation.

5). The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of both horizontal and vertical polarization. For each suspected emission, the antenna tower was scanned (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.

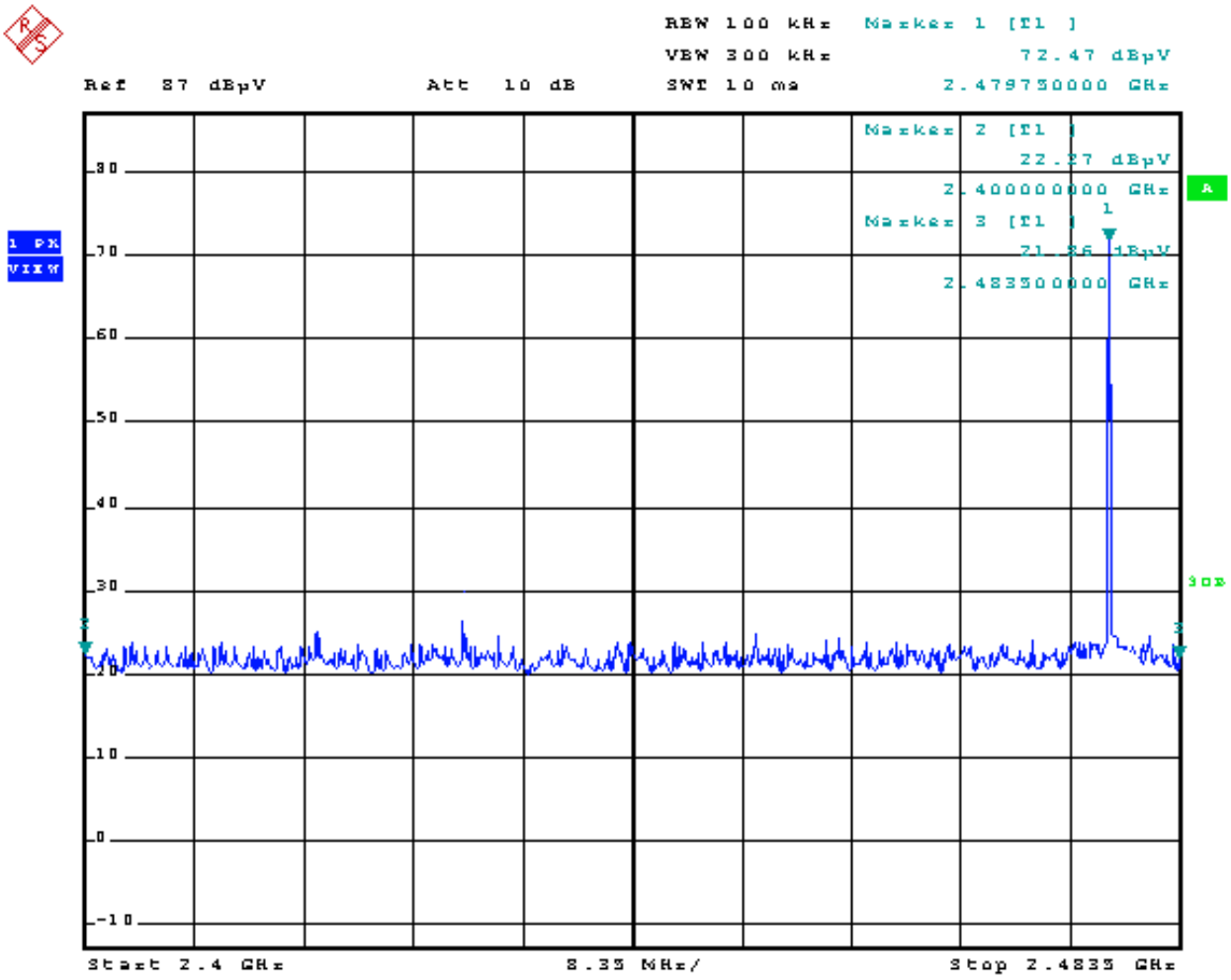
5.4 Test Result

Temperature (℃) : 22~23	EUT: Wireless Headset
Humidity (%RH): 50~54	M/N: W-2400
Barometric Pressure (mbar): 950~1000	Operation Condition: Continuous Transmitting

Channel 1:


MARKER 1
2.401503 GHz
Ref 87 dBµV
Att 10 dB
RBW 100 kHz
VBW 300 kHz
SWT 10 ms
Marker 1 [T1]
71.85 dBµV
2.470003000 GHz
Marker 2 [T1]
22.27 dBµV
2.400000000 GHz
Marker 3 [T1]
71.85 dBµV
2.483500000 GHz
1 PK
VIEW
A
dB
80
70
60
50
40
30
20
10
0
-10
Start 2.4 GHz
8.35 MHz/
Stop 2.4835 GHz

Channel 40:


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
Marker 1 [T1]
72.47 dBµV
2.479750000 GHz
Ref 87 dBµV
Att 10 dB
Marker 2 [T1]
22.27 dBµV
2.400000000 GHz
Marker 3 [T1]
71.86 dBµV
2.483500000 GHz
1 PK
VIEW
A
80
70
60
50
40
30
20
10
0
-10
Start 2.4 GHz
8.35 MHz/
Stop 2.4835 GHz

6- SPURIOUS EMISSIONS

6.1 Limit of Spurious Emissions

1. In the section 15.249(a): Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

2. Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Fundamental Frequency (MHz)	Field Strength of Fundamental Field Strength (mV/m)	Field Strength of Harmonics (μV/m)
902-928 MHz	50	500
2400 - 2483.5 MHz	50	500
5725 - 5875 MHz	50	500
24.0 - 24.25 GHz	250	2500

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

Remark: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

3. In the above emission table, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

6.2 EUT Setup

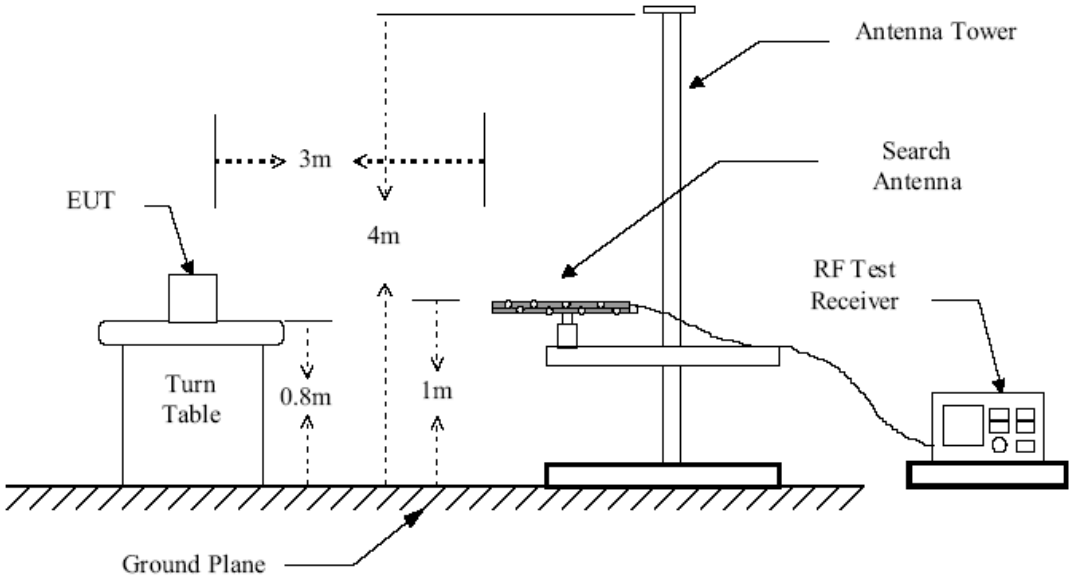


Figure 1 : Frequencies measured below 1 GHz configuration

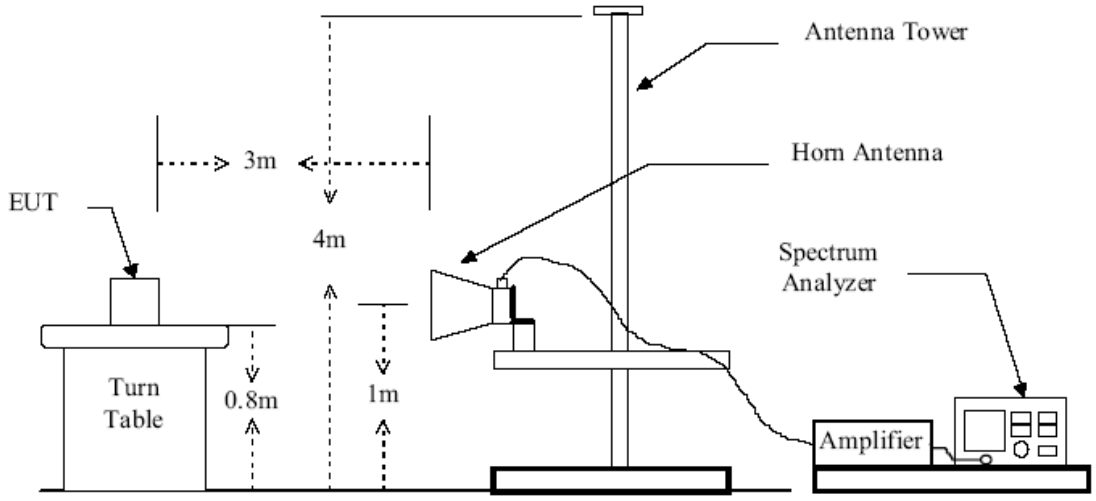


Figure 2 : Frequencies measured above 1 GHz configuration

6.3 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

1). Configure the EUT according to ANSI C63.4:2003.

2). The EUT was placed on the top of the turntable 0.8 meter above ground.

3). The receiving antenna was placed 3 meters far away from the turntable.

4). The turntable was rotated by 360 degrees to determine the position of the highest radiation.

5). The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of both horizontal and vertical polarization. For each suspected emission, the antenna tower was scanned (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.

6.4 Spurious Emissions Test Result

Temperature (℃) : 22~23	EUT: Wireless Headset
Humidity (%RH): 50~54	M/N: W-2400
Barometric Pressure (mbar): 950~1000	Operation Condition: Continuous Transmitting

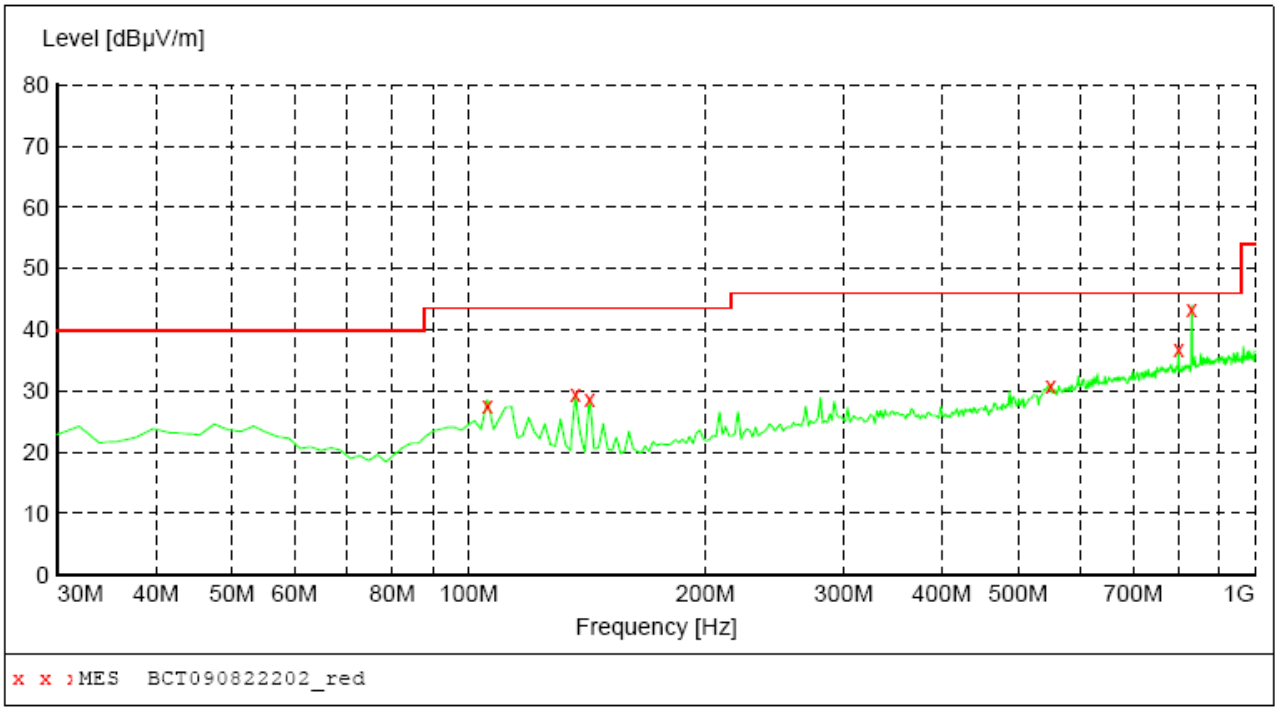
Spurious Emissions Below 1 GHz

CHANNEL 1:

EUT:	Wireless Headset
M/N:	W-2400
Operating Condition:	Continuous Transmitting
Test Site:	Shielded Room
Operator:	Chen
Test Specification:	AC120V/60Hz

SWEEP TABLE: "test (30M-1G)"

Short Description: Start Frequency	Stop Frequency	Detector	Field Strength Meas. Time	IF Bandw.	Transducer



MEASUREMENT RESULT: "BCT090822202_red"

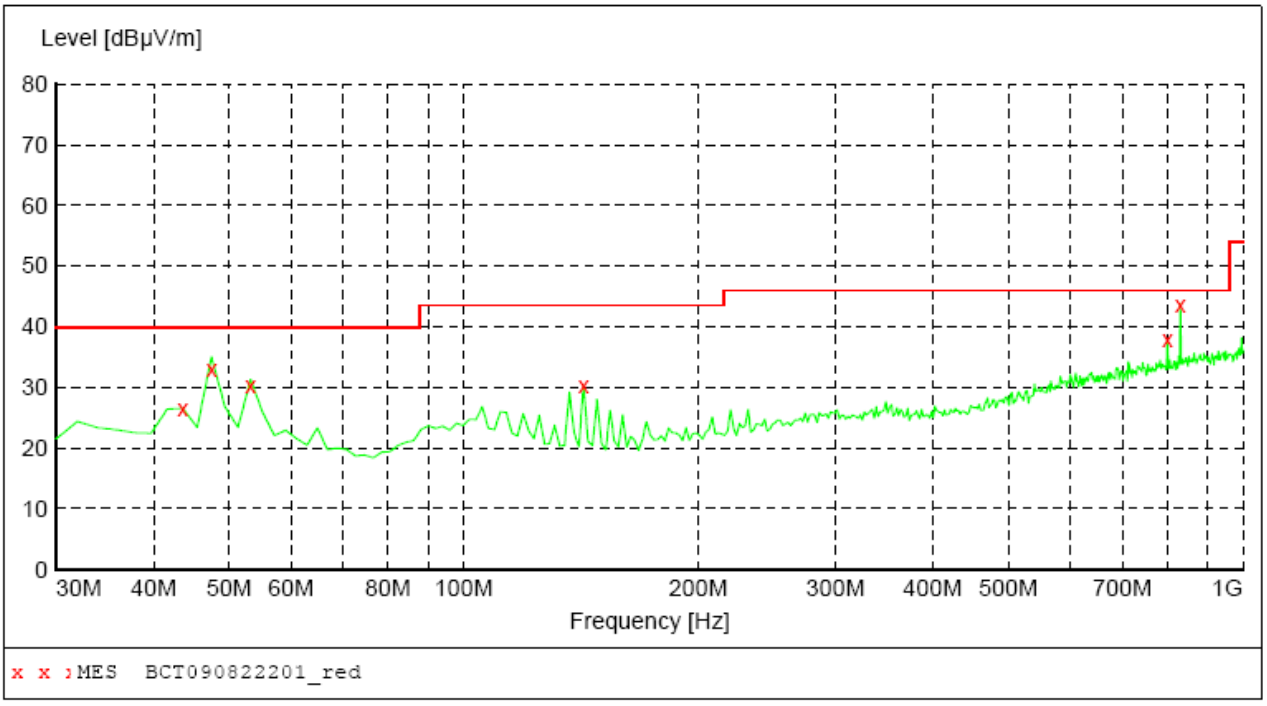
8/22/2009 22:49

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
105.660000	27.60	17.9	43.5	15.9	QP	300.0	0.00	HORIZONTAL
136.700000	29.50	14.1	43.5	14.0	QP	300.0	0.00	HORIZONTAL
142.520000	28.80	14.0	43.5	14.7	QP	300.0	0.00	HORIZONTAL
549.920000	31.00	24.0	46.0	15.0	QP	100.0	0.00	HORIZONTAL
800.180000	36.80	28.0	46.0	9.2	QP	100.0	0.00	HORIZONTAL
831.220000	43.0	28.4	46.0	3.0	QP	100.0	0.00	HORIZONTAL

EUT:	Wireless Headset
M/N:	W-2400
Operating Condition:	Continuous Transmitting
Test Site:	Shielded Room
Operator:	Chen
Test Specification:	AC120V/60Hz

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer



MEASUREMENT RESULT: "BCT090822201_red"

8/22/2009 22:43

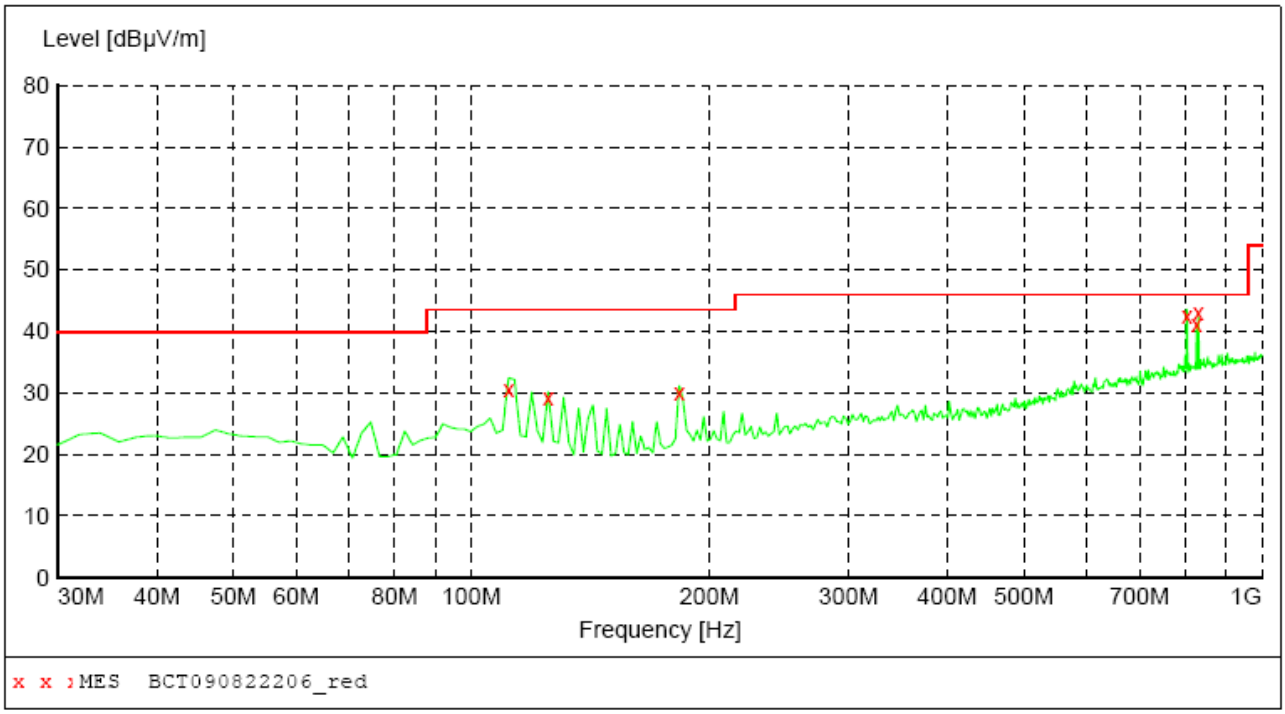
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
43.580000	26.60	16.8	40.0	13.4	QP	100.0	0.00	VERTICAL
47.460000	33.10	16.7	40.0	6.9	QP	100.0	0.00	VERTICAL
53.280000	30.30	16.6	40.0	9.7	QP	100.0	0.00	VERTICAL
142.520000	30.40	14.0	43.5	13.1	QP	100.0	0.00	VERTICAL
800.180000	37.80	28.0	46.0	8.2	QP	100.0	0.00	VERTICAL
831.220000	42.90	28.4	46.0	3.1	QP	100.0	0.00	VERTICAL

CHANNEL 21:

EUT:	Wireless Headset
M/N:	W-2400
Operating Condition:	Continuous Transmitting
Test Site:	Shielded Room
Operator:	Chen
Test Specification:	AC120V/60Hz

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer



MEASUREMENT RESULT: "BCT090822206_red"

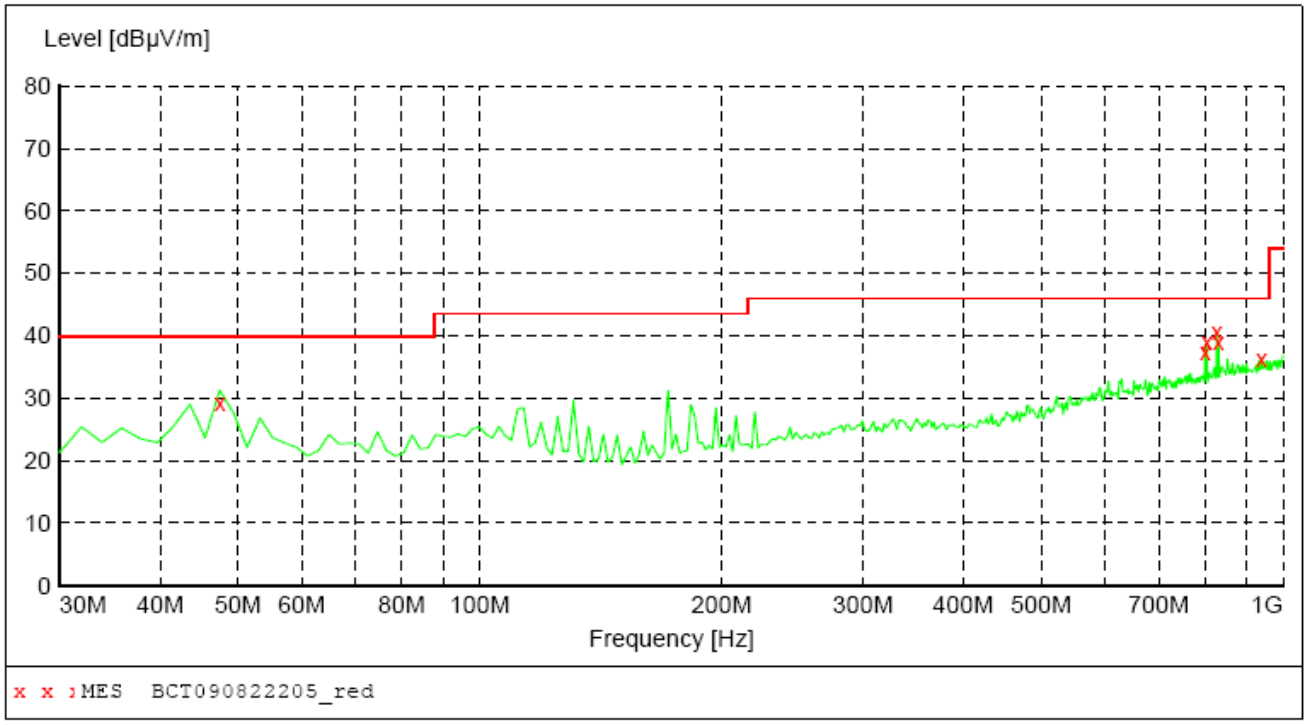
8/22/2009 23:04

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
111.480000	30.50	17.3	43.5	13.0	QP	300.0	0.00	HORIZONTAL
125.060000	29.20	15.2	43.5	14.3	QP	300.0	0.00	HORIZONTAL
183.260000	30.20	16.1	43.5	13.3	QP	100.0	0.00	HORIZONTAL
804.060000	42.50	28.1	46.0	3.5	QP	100.0	0.00	HORIZONTAL
827.340000	41.20	28.4	46.0	4.8	QP	100.0	0.00	HORIZONTAL
831.220000	43.00	28.4	46.0	3.0	QP	100.0	0.00	HORIZONTAL

EUT:	Wireless Headset
M/N:	W-2400
Operating Condition:	Continuous Transmitting
Test Site:	Shielded Room
Operator:	Chen
Test Specification:	AC120V/60Hz

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer



MEASUREMENT RESULT: "BCT090822205_red"

8/22/2009 22:50

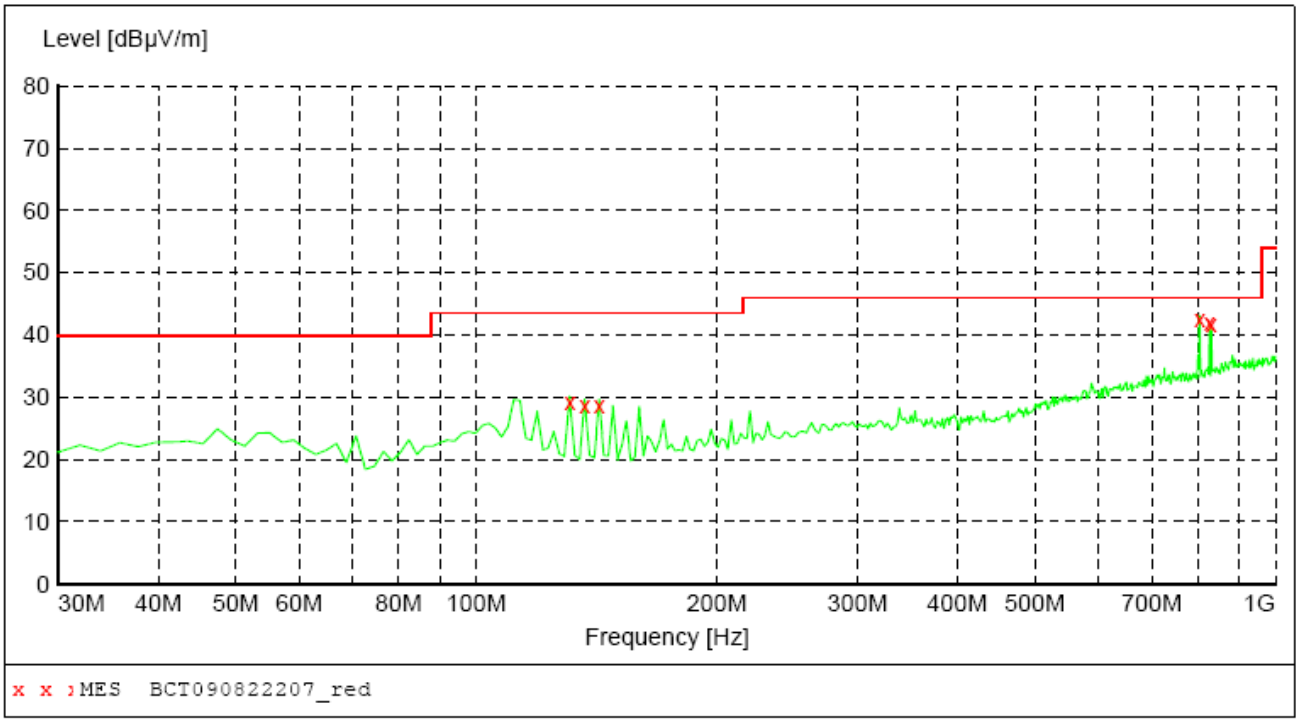
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
47.460000	29.30	16.7	40.0	10.7	QP	100.0	0.00	VERTICAL
800.180000	37.40	28.0	46.0	8.6	QP	100.0	0.00	VERTICAL
804.060000	39.00	28.1	46.0	7.0	QP	100.0	0.00	VERTICAL
827.340000	40.60	28.4	46.0	5.4	QP	100.0	0.00	VERTICAL
831.220000	39.00	28.4	46.0	7.0	QP	100.0	0.00	VERTICAL
939.860000	36.40	29.6	46.0	9.6	QP	100.0	0.00	VERTICAL

CHANNEL 40:

EUT:	Wireless Headset
M/N:	W-2400
Operating Condition:	Continuous Transmitting
Test Site:	Shielded Room
Operator:	Chen
Test Specification:	AC120V/60Hz

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer



MEASUREMENT RESULT: "BCT090822207_red"

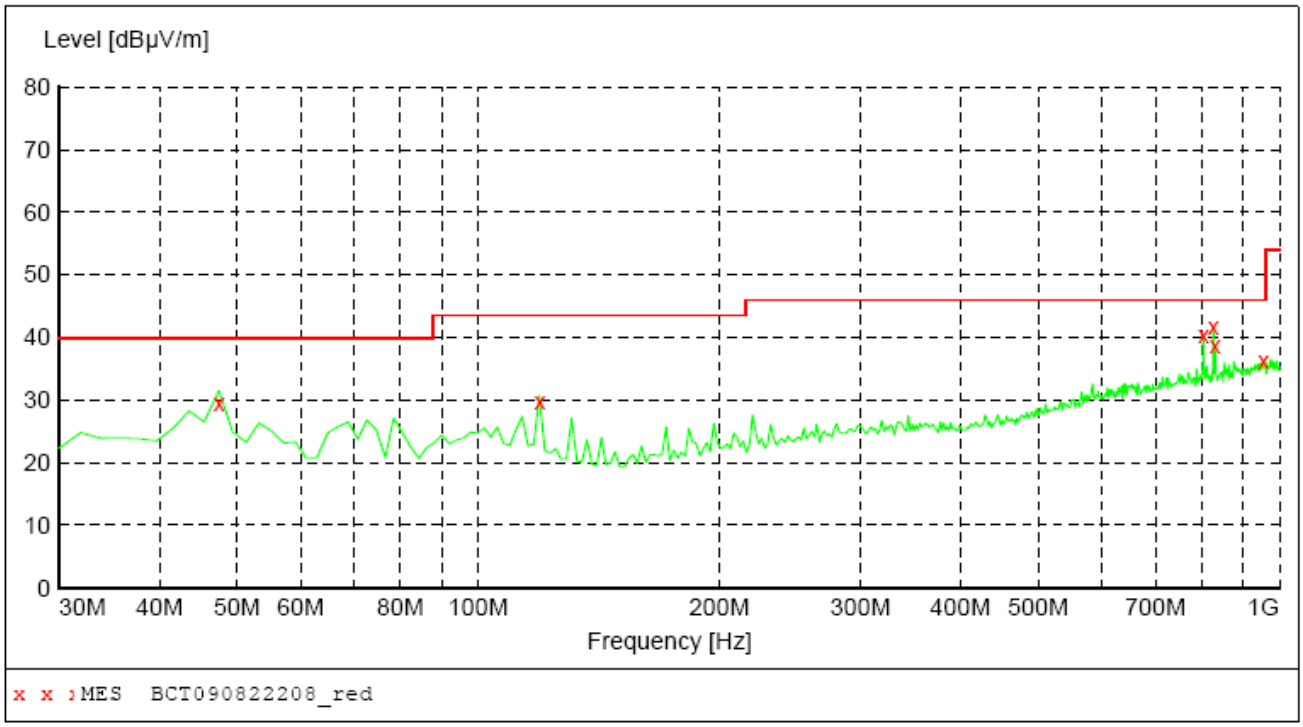
8/22/2009 23:06

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
130.880000	29.20	14.5	43.5	14.3	QP	300.0	0.00	HORIZONTAL
136.700000	28.70	14.1	43.5	14.8	QP	300.0	0.00	HORIZONTAL
142.520000	28.70	14.0	43.5	14.8	QP	300.0	0.00	HORIZONTAL
804.060000	42.60	28.1	46.0	3.4	QP	100.0	0.00	HORIZONTAL
827.340000	41.90	28.4	46.0	4.1	QP	100.0	0.00	HORIZONTAL
831.220000	41.70	28.4	46.0	4.3	QP	100.0	0.00	HORIZONTAL

EUT:	Wireless Headset
M/N:	W-2400
Operating Condition:	Continuous Transmitting
Test Site:	Shielded Room
Operator:	Chen
Test Specification:	AC120V/60Hz

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer



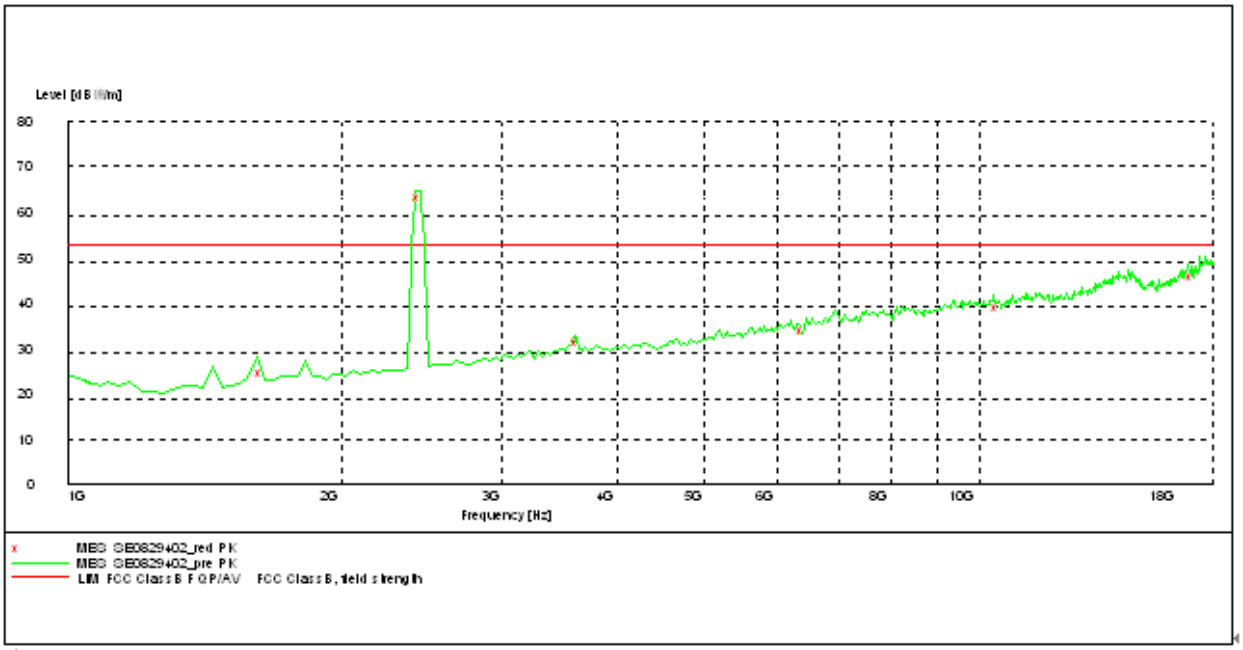
MEASUREMENT RESULT: "BCT090822208_red"

8/22/2009 23:08

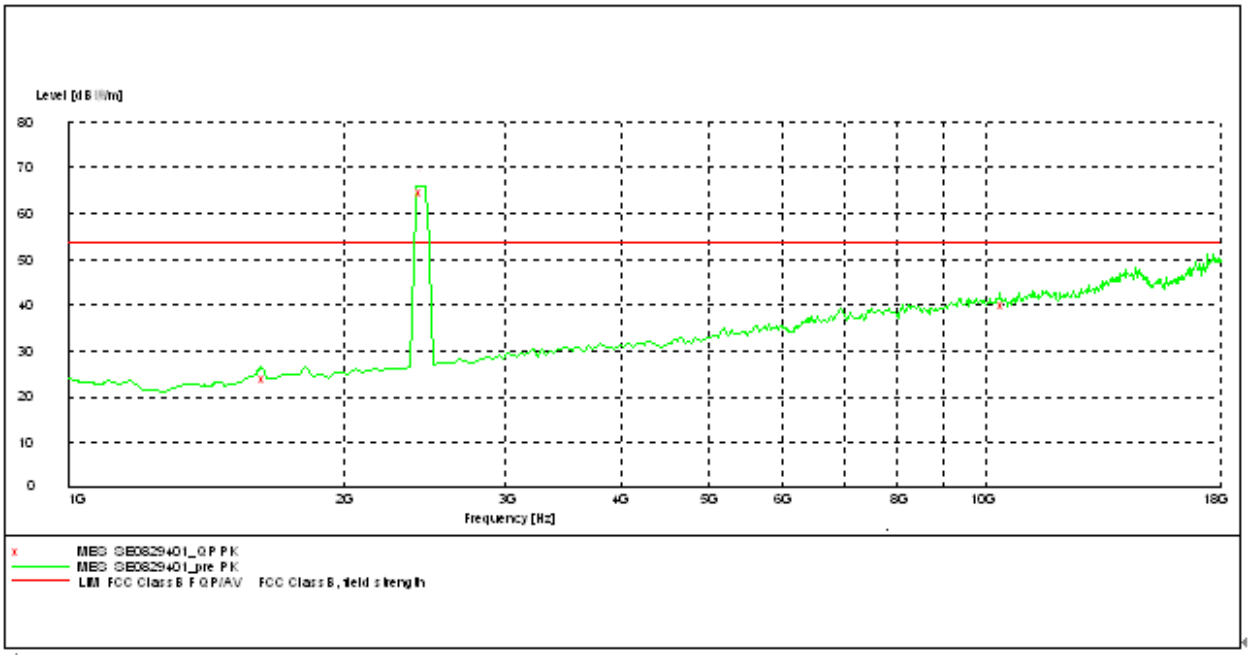
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
47.460000	29.50	16.7	40.0	10.5	QP	100.0	0.00	VERTICAL
119.240000	29.70	16.1	43.5	13.8	QP	100.0	0.00	VERTICAL
804.060000	40.30	28.1	46.0	5.7	QP	100.0	0.00	VERTICAL
827.340000	41.60	28.4	46.0	4.4	QP	100.0	0.00	VERTICAL
831.220000	38.70	28.4	46.0	7.3	QP	100.0	0.00	VERTICAL
955.380000	36.40	29.7	46.0	9.6	QP	100.0	0.00	VERTICAL

Spurious Emissions above 1GHz

EUT:	Wireless Headset
M/N:	W-2400
Operating Condition:	Continuous Transmitting
Test Site:	Shielded Room
Operator:	Chen
Test Specification:	AC120V/60Hz / Vertical Polarization

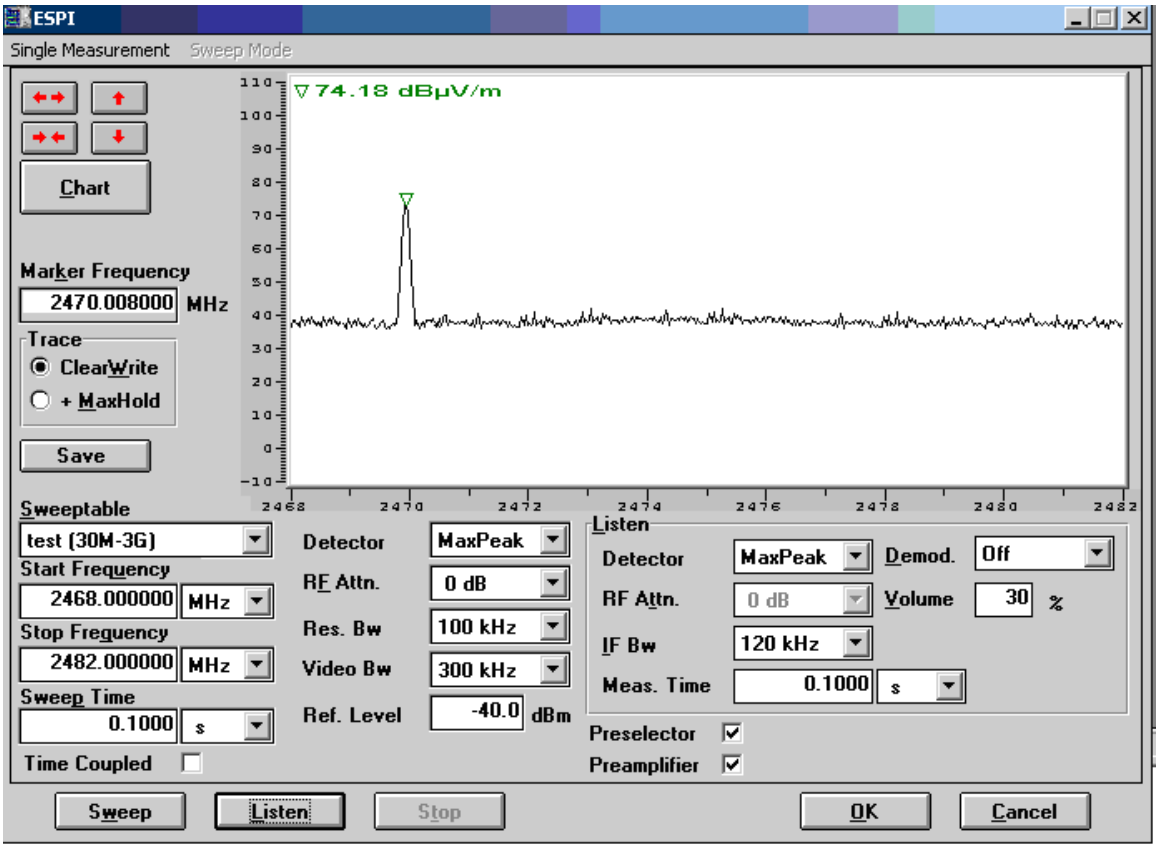


EUT:	Wireless Headset
M/N:	W-2400
Operating Condition:	Continuous Transmitting
Test Site:	Shielded Room
Operator:	Chen
Test Specification:	AC120V/60Hz / Horizontal Polarization



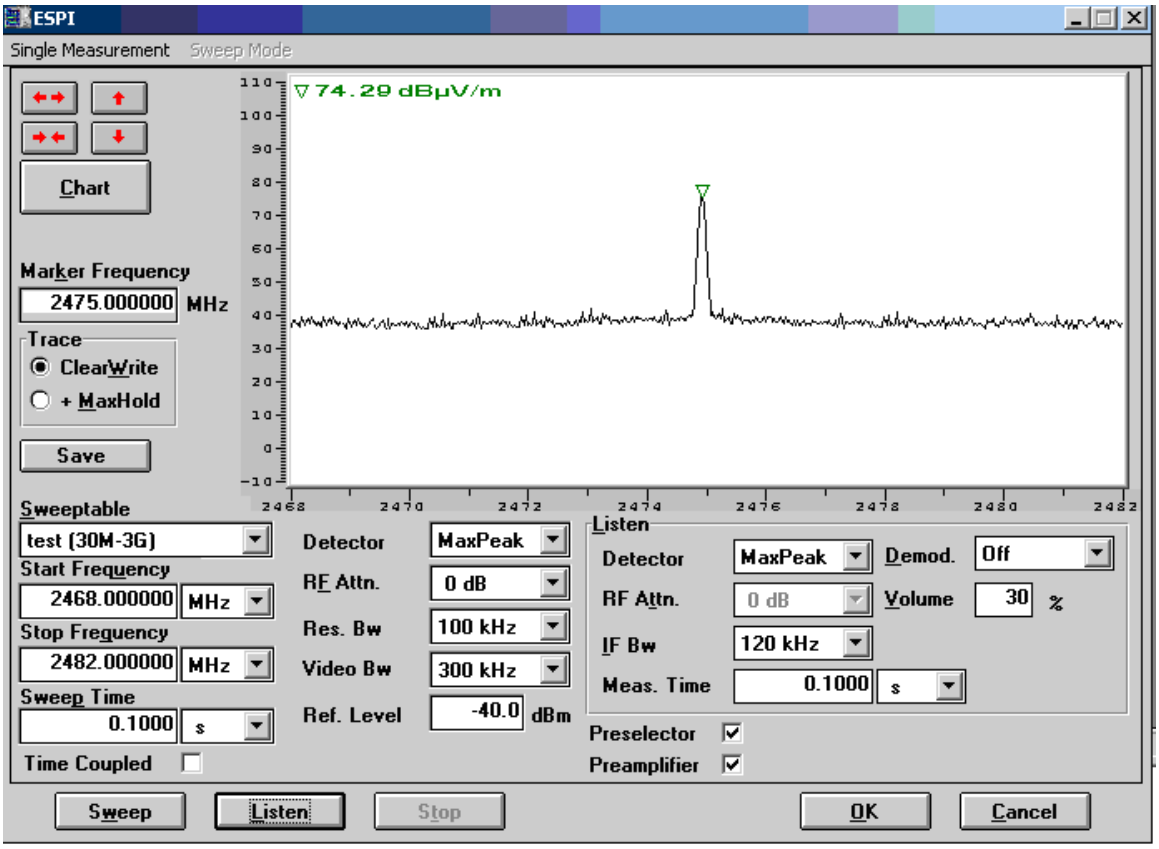
The result of Field Strength of Fundamental Field Strength

Channel 1:



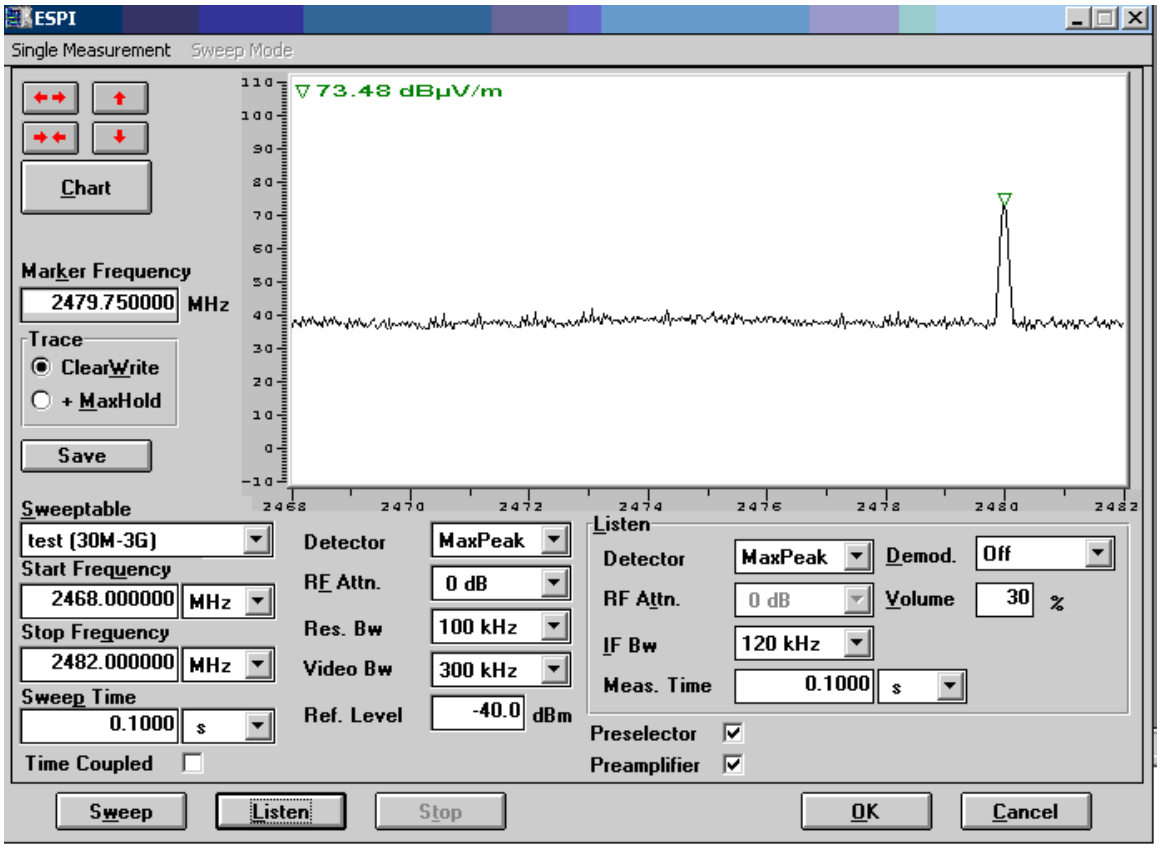
Remark:: Field Strength of Fundamental Field Strength of channel 1 is 74.18dBµV/m , is lower than 50mv/m(94 dBµV/m), complies with limit of section 15.249(a) ,and the result is pass.

Channel 21:



Remark:: Field Strength of Fundamental Field Strength of channel 21 is 74.29dBµV/m , is lower than 50mv/m(94 dBµV/m), complies with limit of section 15.249(a) ,and the result is pass.

Channel 40:



Remark:: Field Strength of Fundamental Field Strength of channel 40 is 73.48dBµV/m , is lower than 50mv/m(94 dBµV/m), complies with limit of section 15.249(a) ,and the result is pass.

7. ANTENNA REQUIREMENT

7.1 Standard Applicable

Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

7.2 Antenna Connected Construction

The antenna connector is designed with permanent attachment and no consideration of replacement.