

Test Report of FCC Part 15 C for FCC Certificate

On Behalf of

KYUNG JIN ELECTRON CO.,LTD

Product description: Wireless Headset
EUT description: Base Unit of 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**

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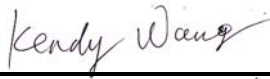
Report No.: BCT09HR-743E-2

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Test Date: August 12~ 25, 2009

Test by:

Reviewed By:


Kendy Wang

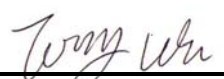

Tony Wu

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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
EUT Description:	Base Unit of Wireless Headset
Trade Name:	N/A
Model No.:	W-2400
Rated Voltage	9 V from inner rechargeable battery, and was charged with adapter
Frequency range	2400.25 MHz~2410MHz
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 placed on a 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	1937A024 92	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
2400.25 MHz -- 2410.00MHz	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

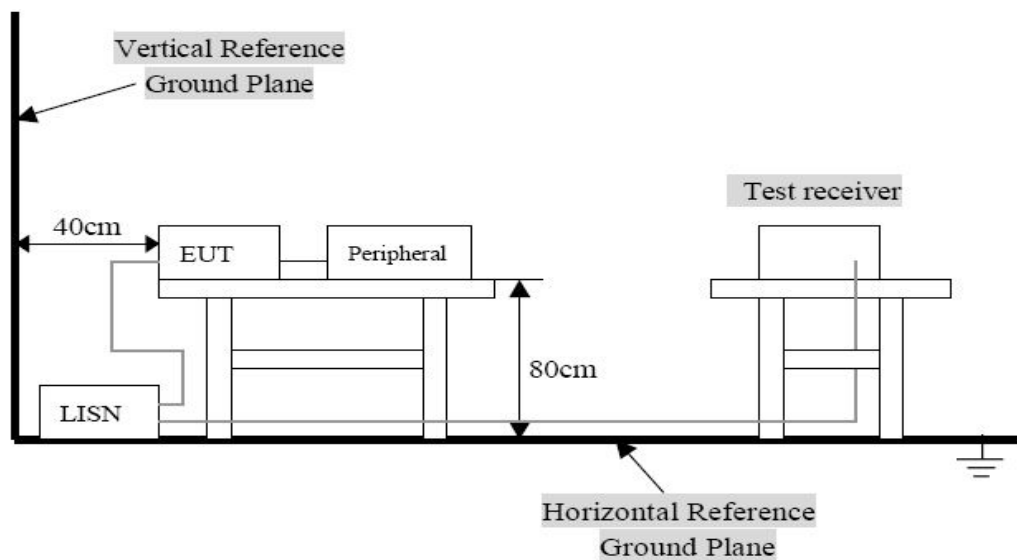
4. TEST OF CONDUCTED EMISSION

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



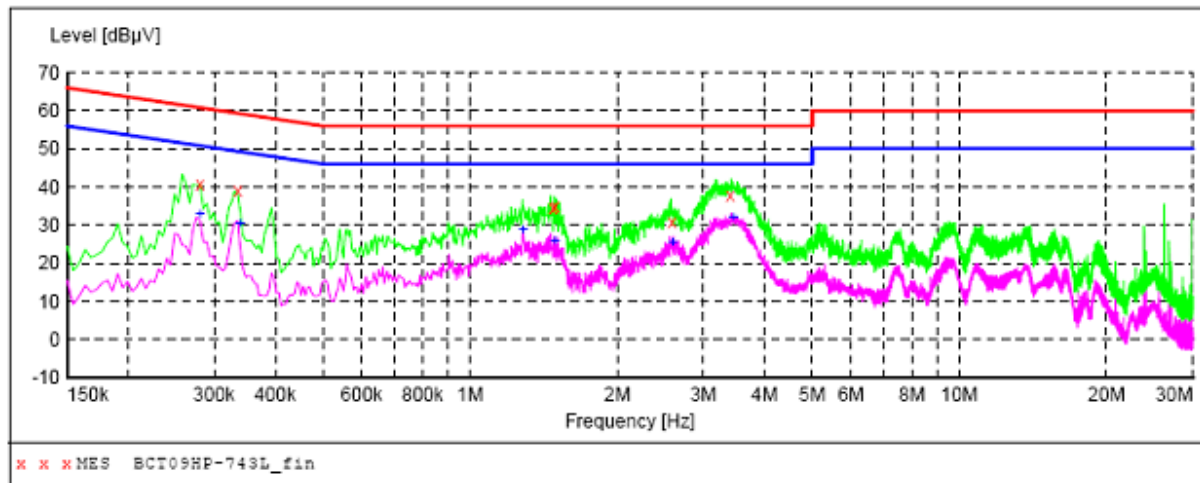
Remark: 1. The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC 15.207 limits.

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

4.3 Test Result

EUT: Base Unit of Wireless Headset	Power supply: AC120V 60Hz
M/N: W-2400	Comment:: L Line
Operator: chen	Operation Condition:Charging Mode

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT09HP-742L_fin"

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Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.280500	37.70	10.6	61	23.1	QP	L1	GND
0.334500	36.80	10.5	59	22.5	QP	L1	GND
1.284000	33.30	10.2	56	22.7	QP	L1	GND
1.491000	35.00	10.2	56	21.0	QP	L1	GND
2.607000	32.90	10.2	56	23.1	QP	L1	GND
3.394500	37.30	10.3	56	18.7	QP	L1	GND

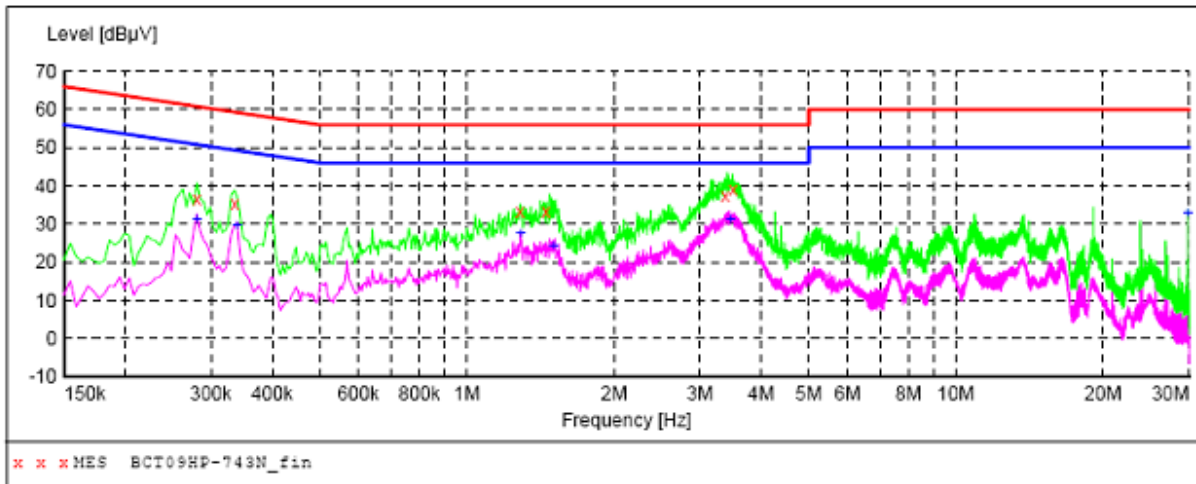
MEASUREMENT RESULT: "BCT09HP-742L_fin2"

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Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.339000	31.10	10.5	49	18.1	AV	L1	GND
1.288500	28.50	10.2	46	17.5	AV	L1	GND
1.464000	26.00	10.2	46	20.0	AV	L1	GND
2.580000	26.10	10.2	46	19.9	AV	L1	GND
3.480000	30.80	10.3	46	15.2	AV	L1	GND
29.800500	30.70	11.1	50	19.3	AV	L1	GND

EUT: Base Unit of Wireless Headset	Power supply: AC120V 60Hz
M/N: W-2400	Comment:: N Line
Operator: chen	Operation Condition:Charging Mode

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"

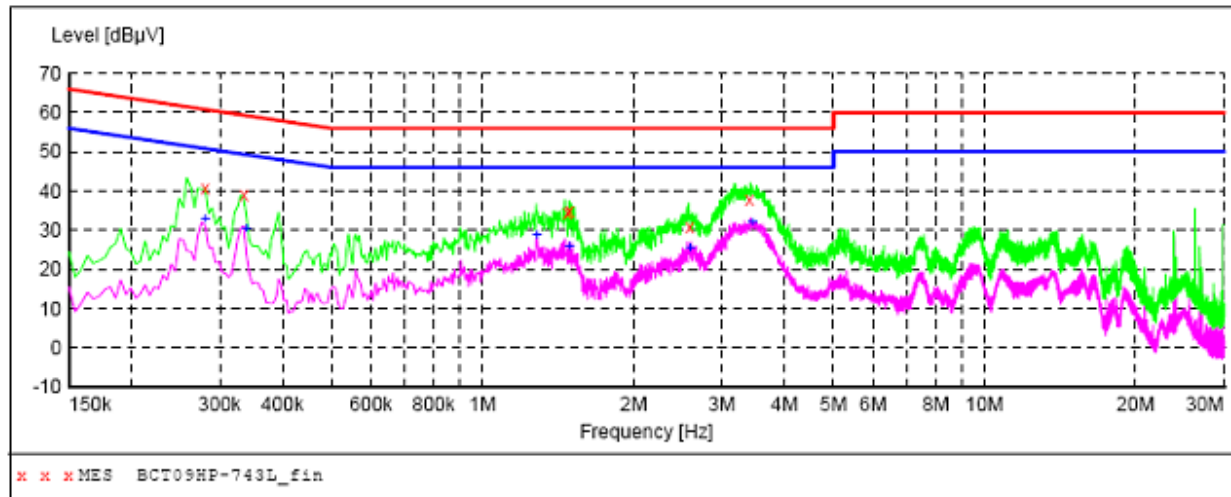
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Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.280500	31.30	10.6	51	19.5	AV	N	GND
0.339000	29.60	10.5	49	19.6	AV	N	GND
1.288500	27.70	10.2	46	18.3	AV	N	GND
1.504500	24.40	10.2	46	21.6	AV	N	GND
3.457500	31.20	10.3	46	14.8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

EUT: Base Unit of Wireless Headset	Power supply: AC120V 60Hz
M/N: W-2400	Comment:: L Line
Operator: chen	Operation Condition:CallingMode

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

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT09HP-743L_fin"

8/12/2009 14:32

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.290500	41.70	10.6	61	19.1	QP	L1	GND
0.345000	39.00	10.6	61	22.0	QP	L1	GND
1.497700	35.40	10.2	56	20.6	QP	L1	GND
1.499000	34.80	10.2	56	21.2	QP	L1	GND
2.594400	32.00	10.2	56	24.0	QP	L1	GND
3.396200	37.00	10.3	56	19.0	QP	L1	GND

MEASUREMENT RESULT: "BCT09HP-743L_fin2"

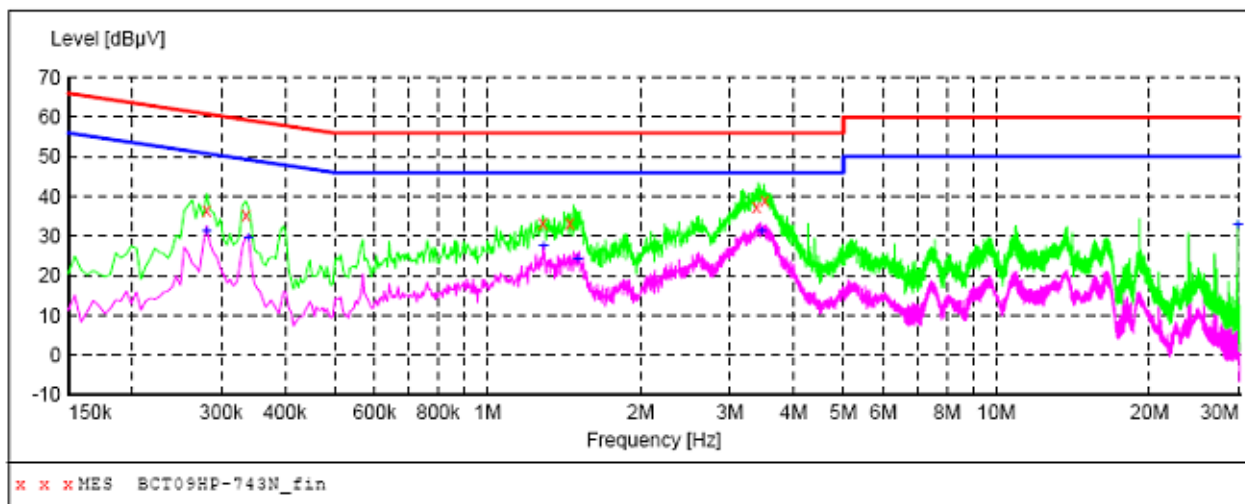
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Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.290500	33.00	10.6	51	17.8	AV	L1	GND
0.345000	30.50	10.5	49	18.7	AV	L1	GND
1.497700	28.90	10.2	46	17.1	AV	L1	GND
1.499000	25.90	10.2	46	20.1	AV	L1	GND
2.594400	25.70	10.2	46	20.3	AV	L1	GND
3.362000	32.30	10.3	46	13.7	AV	L1	GND

EUT: Base Unit of Wireless Headset	Power supply: AC120V 60Hz
M/N: W-2400	Comment:: N Line
Operator: chen	Operation Condition:CallingMode

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

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "BCT09HP-743N_fin"

8/12/2009 15:40

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.280600	37.60	10.6	61	23.2	QP	N	GND
0.339500	37.30	10.5	59	22.0	QP	N	GND
1.384000	33.30	10.2	56	22.7	QP	N	GND
1.450500	32.30	10.2	56	23.7	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"

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Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.280600	31.30	10.6	51	19.5	AV	N	GND
0.339500	29.60	10.5	49	19.6	AV	N	GND
1.384500	27.70	10.2	46	17.3	AV	N	GND
1.504500	24.40	10.2	46	21.6	AV	N	GND
3.372500	31.20	10.3	46	14.8	AV	N	GND
29.600500	32.00	11.1	50	18.0	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 ($\mu\text{V/m}$ at 3-meter)	Field Strength ($\text{dB}\mu\text{V/m}$ 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

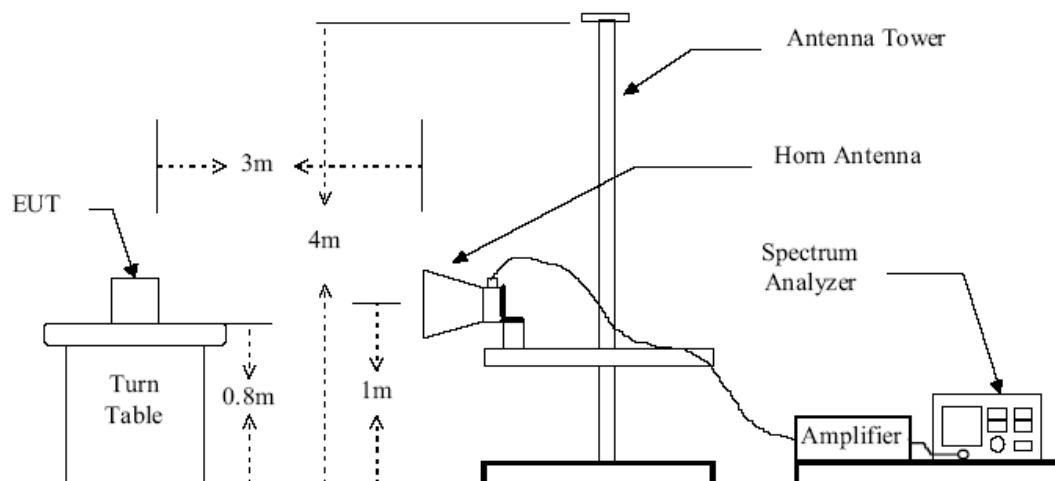


Figure 2 : Frequencies measured above 1 GHz configuration

5.3 Test Procedure

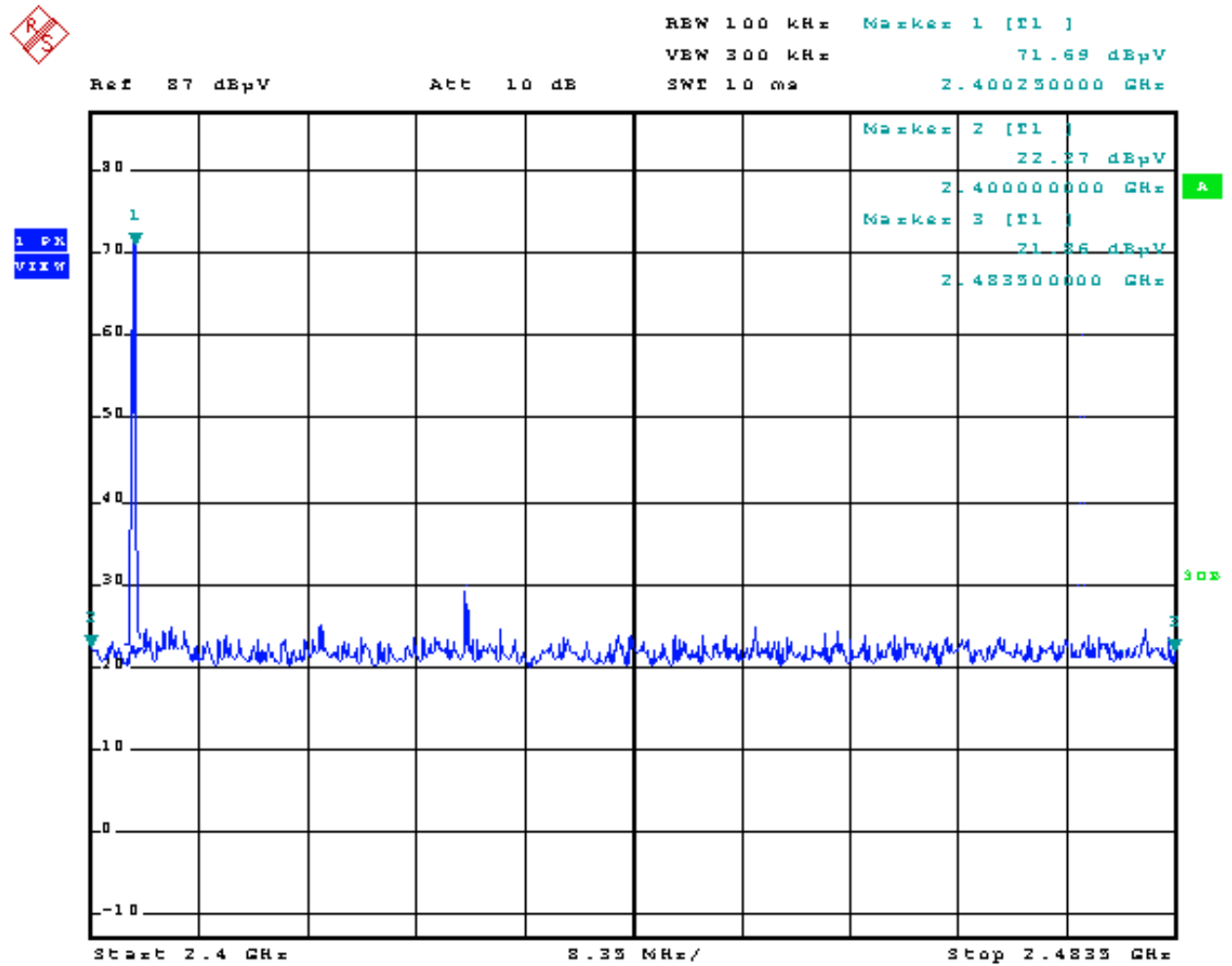
Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

- 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.

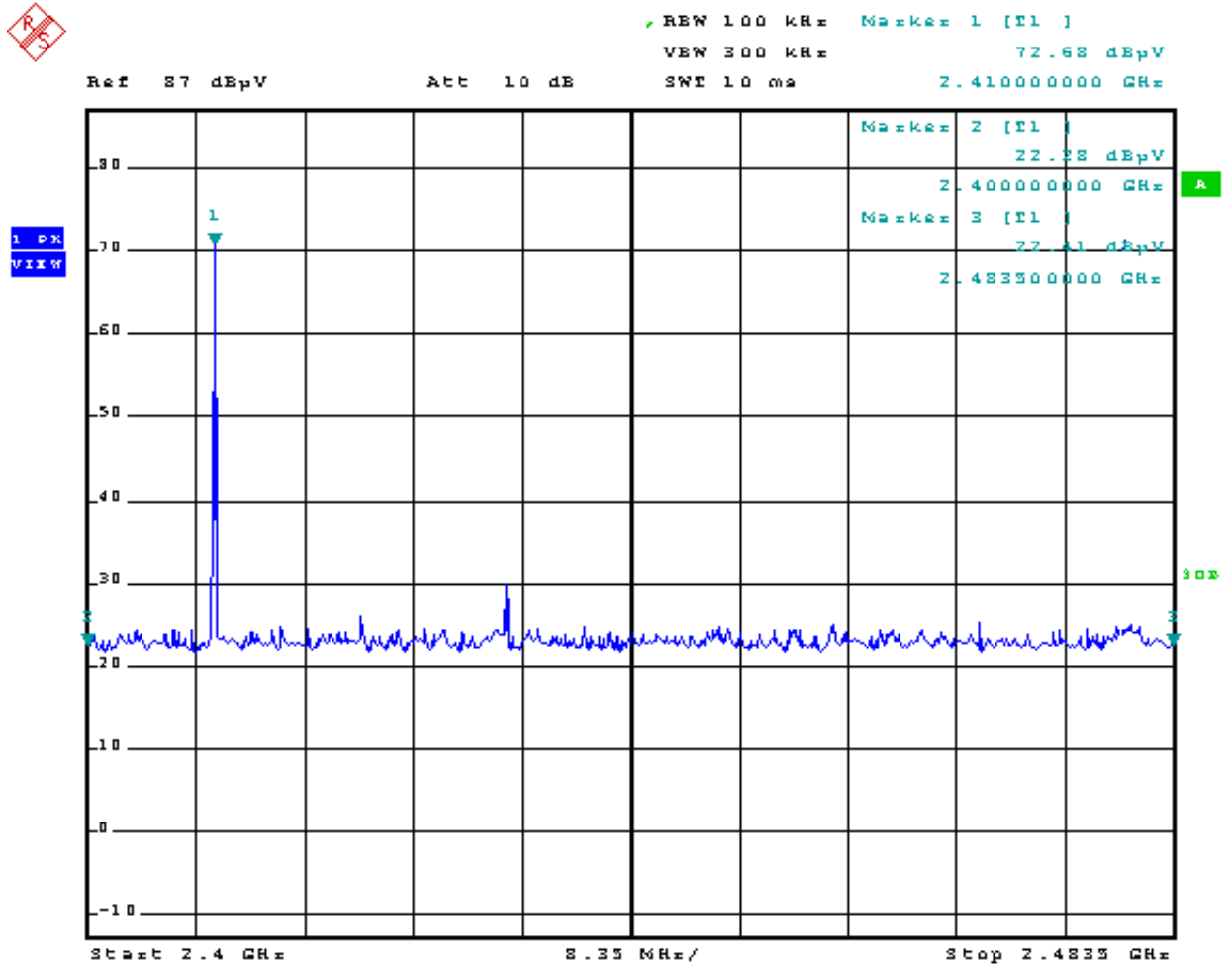
5.4 Test Result

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

Channel 1:



Channel 40:



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

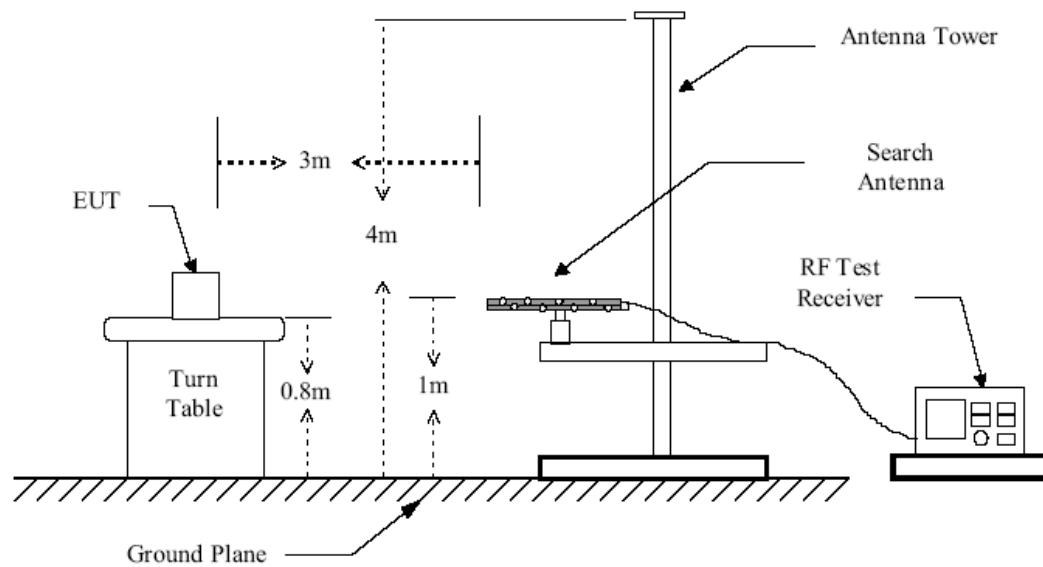


Figure 1 : Frequencies measured below 1 GHz configuration

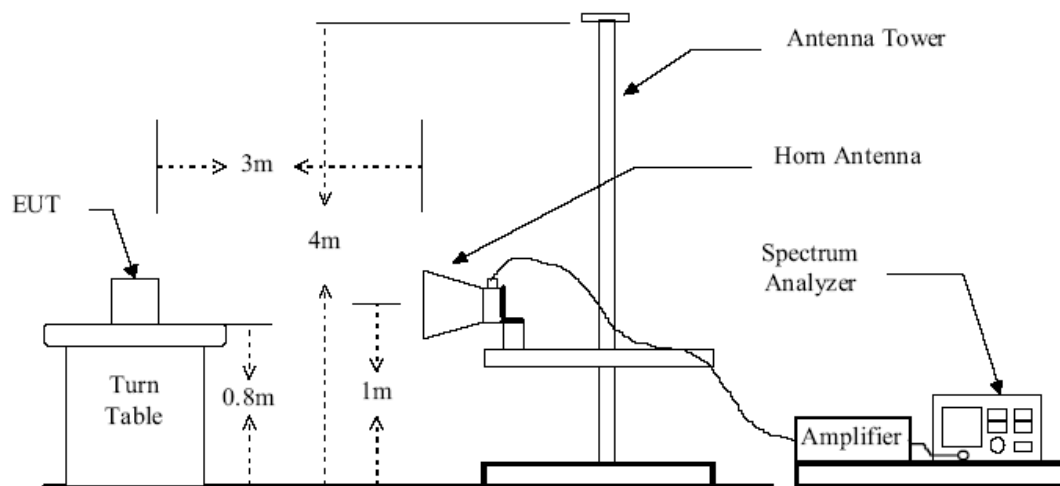


Figure 2 : Frequencies measured above 1 GHz configuration

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

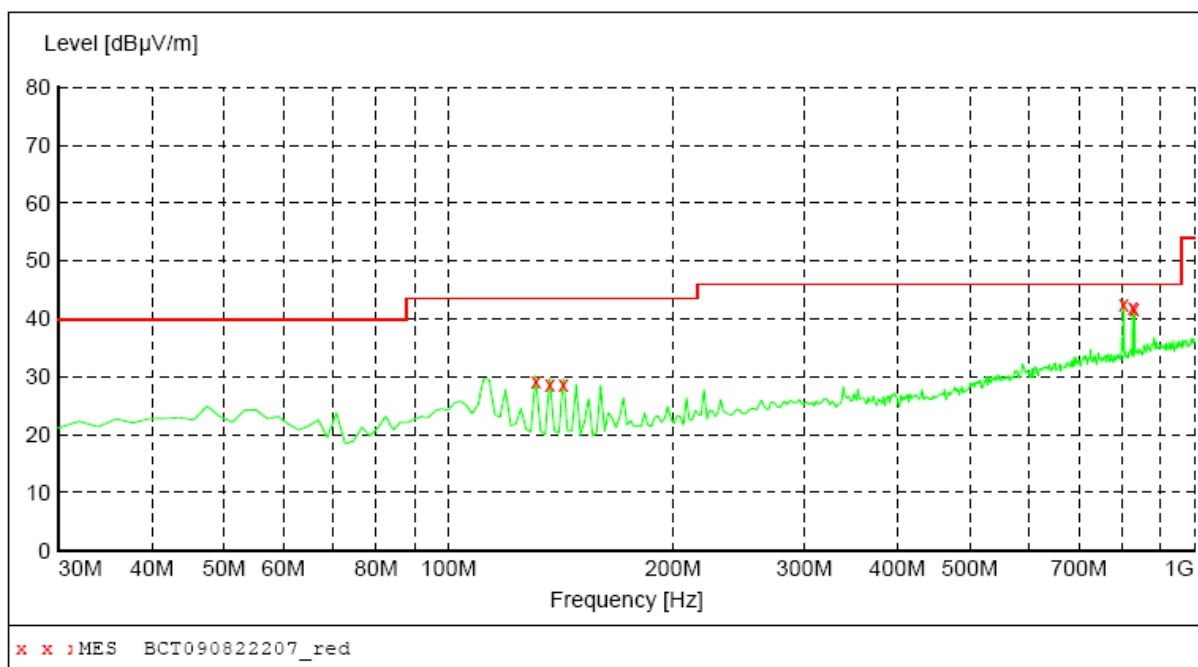
Spurious Emissions Below 1 GHz

CHANNEL 1:

EUT: Base Unit of 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 Stop Detector Meas. IF Transducer	
Frequency Frequency Time Bandw.	



MEASUREMENT RESULT: "BCT090822207_red"

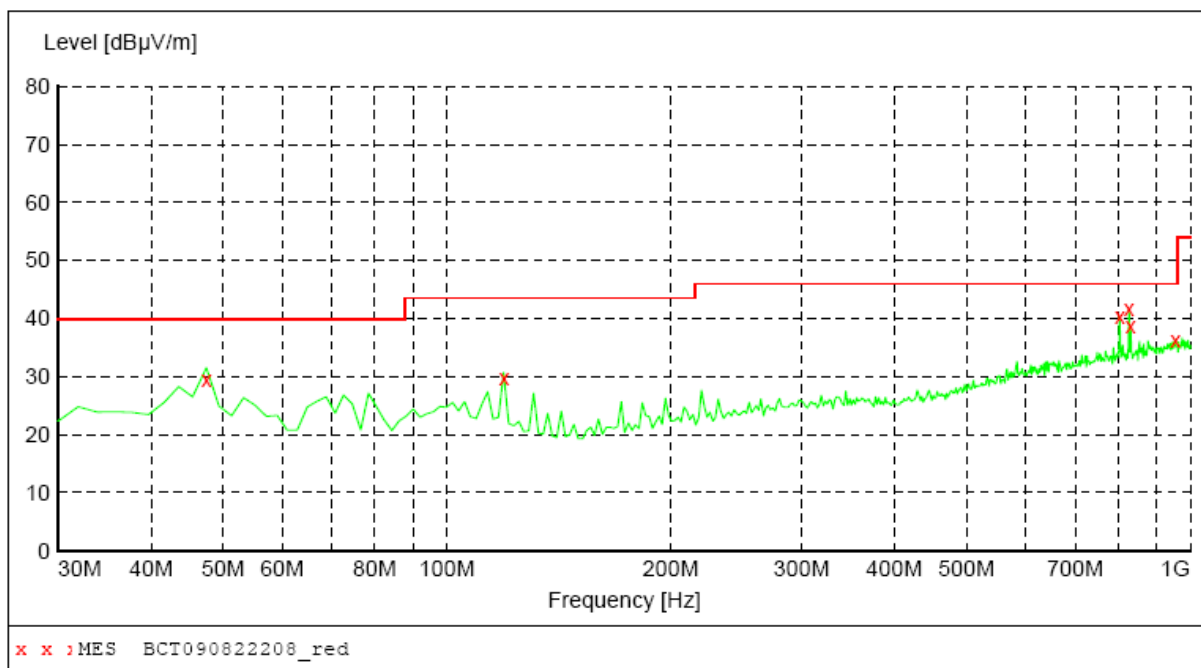
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Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
131.880000	29.20	14.5	43.5	14.3	QP	300.0	0.00	HORIZONTAL
133.700000	27.70	14.1	43.5	15.8	QP	300.0	0.00	HORIZONTAL
147.520000	28.70	14.0	43.5	14.8	QP	300.0	0.00	HORIZONTAL
802.060000	41.60	28.1	46.0	4.4	QP	100.0	0.00	HORIZONTAL
825.340000	40.90	28.4	46.0	5.1	QP	100.0	0.00	HORIZONTAL
834.220000	40.70	28.4	46.0	5.3	QP	100.0	0.00	HORIZONTAL

EUT: Base Unit of 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	Stop	Detector	Meas. Time	IF Bandw.	Transducer
Frequency	Frequency				



MEASUREMENT RESULT: "BCT090822208_red"

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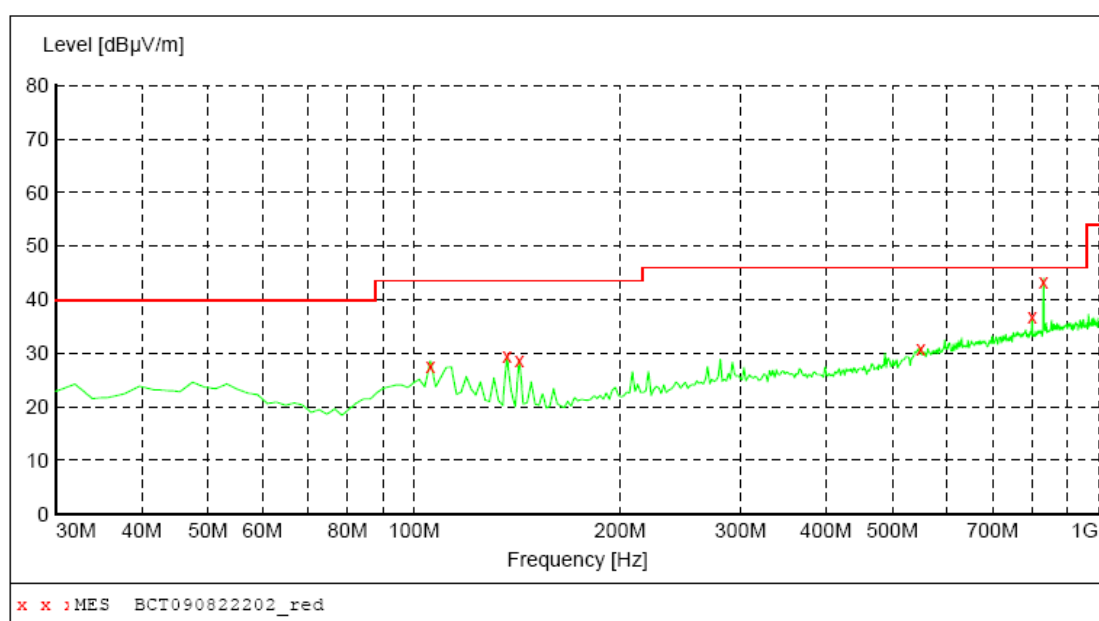
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
48.460000	28.50	16.7	40.0	11.5	QP	100.0	0.00	VERTICAL
118.230000	28.70	16.1	43.5	14.8	QP	100.0	0.00	VERTICAL
805.080000	40.30	28.1	46.0	5.7	QP	100.0	0.00	VERTICAL
826.440000	40.60	28.4	46.0	5.4	QP	100.0	0.00	VERTICAL
833.220000	38.70	28.4	46.0	7.3	QP	100.0	0.00	VERTICAL
956.380000	37.40	29.7	46.0	8.6	QP	100.0	0.00	VERTICAL

CHANNEL 21:

EUT: Base Unit of 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		Transducer	
Start	Stop	Detector	Meas. Time	IF Bandw.	
Frequency	Frequency				



MEASUREMENT RESULT: "BCT090822202_red"

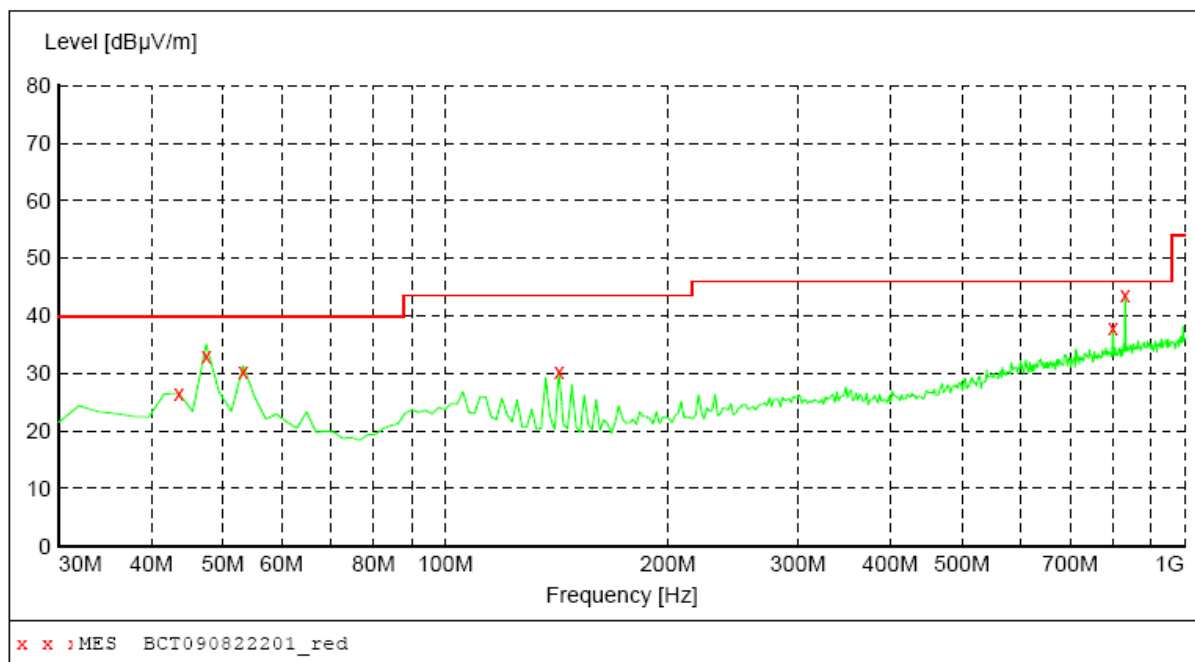
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Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
107.660000	28.60	17.9	43.5	14.9	QP	300.0	0.00	HORIZONTAL
132.700000	28.50	14.1	43.5	15.0	QP	300.0	0.00	HORIZONTAL
147.520000	28.80	14.0	43.5	14.7	QP	300.0	0.00	HORIZONTAL
548.920000	32.00	24.0	46.0	14.0	QP	100.0	0.00	HORIZONTAL
803.180000	36.80	28.0	46.0	9.2	QP	100.0	0.00	HORIZONTAL
836.220000	41.0	28.4	46.0	5.0	QP	100.0	0.00	HORIZONTAL

EUT: Base Unit of 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	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	



MEASUREMENT RESULT: "BCT090822201_red"

8/22/2009 21:43

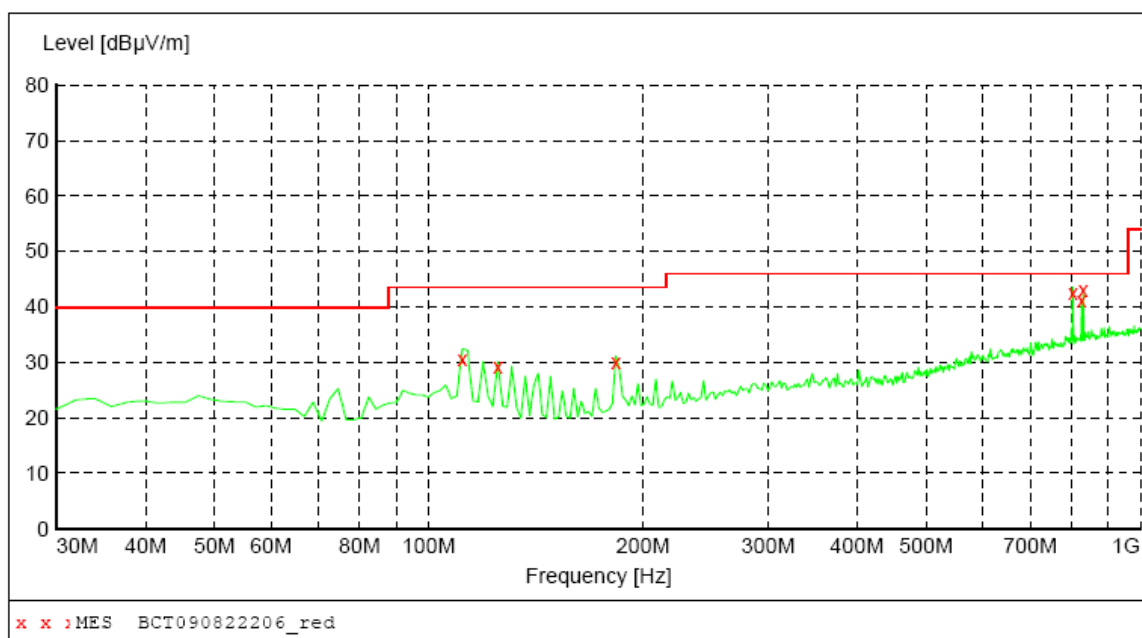
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
44.520000	25.60	16.8	40.0	14.4	QP	100.0	0.00	VERTICAL
45.410000	33.10	16.7	40.0	6.9	QP	100.0	0.00	VERTICAL
52.280000	30.30	16.6	40.0	9.7	QP	100.0	0.00	VERTICAL
142.420000	31.40	14.0	43.5	12.1	QP	100.0	0.00	VERTICAL
803.160000	36.80	28.0	46.0	9.2	QP	100.0	0.00	VERTICAL
834.120000	40.90	28.4	46.0	5.1	QP	100.0	0.00	VERTICAL

CHANNEL 40:

EUT: Base Unit of 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	Meas.
Stop	IF
Frequency	Bandw.
Frequency	Time
Frequency	Transducer



MEASUREMENT RESULT: "BCT090822206_red"

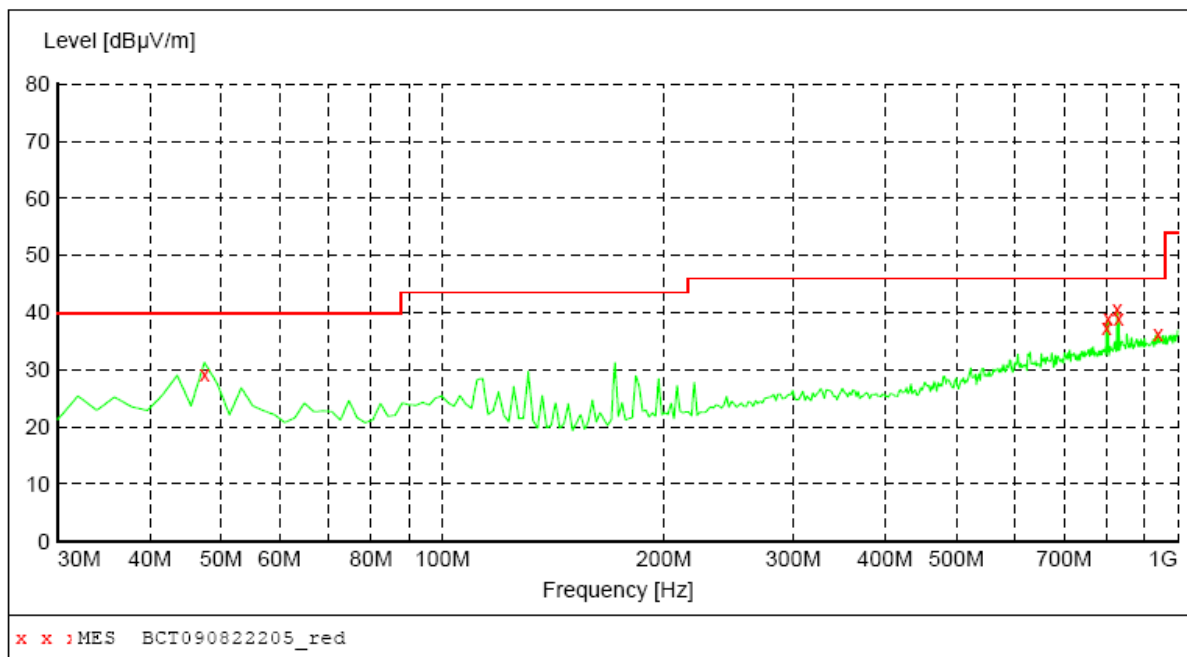
8/22/2009 21:04

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
113.480000	31.50	17.3	43.5	12.0	QP	300.0	0.00	HORIZONTAL
127.060000	28.20	15.2	43.5	15.3	QP	300.0	0.00	HORIZONTAL
185.260000	31.20	16.1	43.5	12.3	QP	100.0	0.00	HORIZONTAL
808.060000	42.50	28.1	46.0	3.5	QP	100.0	0.00	HORIZONTAL
829.340000	40.20	28.4	46.0	5.8	QP	100.0	0.00	HORIZONTAL
834.220000	42.00	28.4	46.0	4.0	QP	100.0	0.00	HORIZONTAL

EUT: Base Unit of 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			Transducer
Start	Stop	Detector	Meas. Time	IF Bandw.	
Frequency	Frequency				



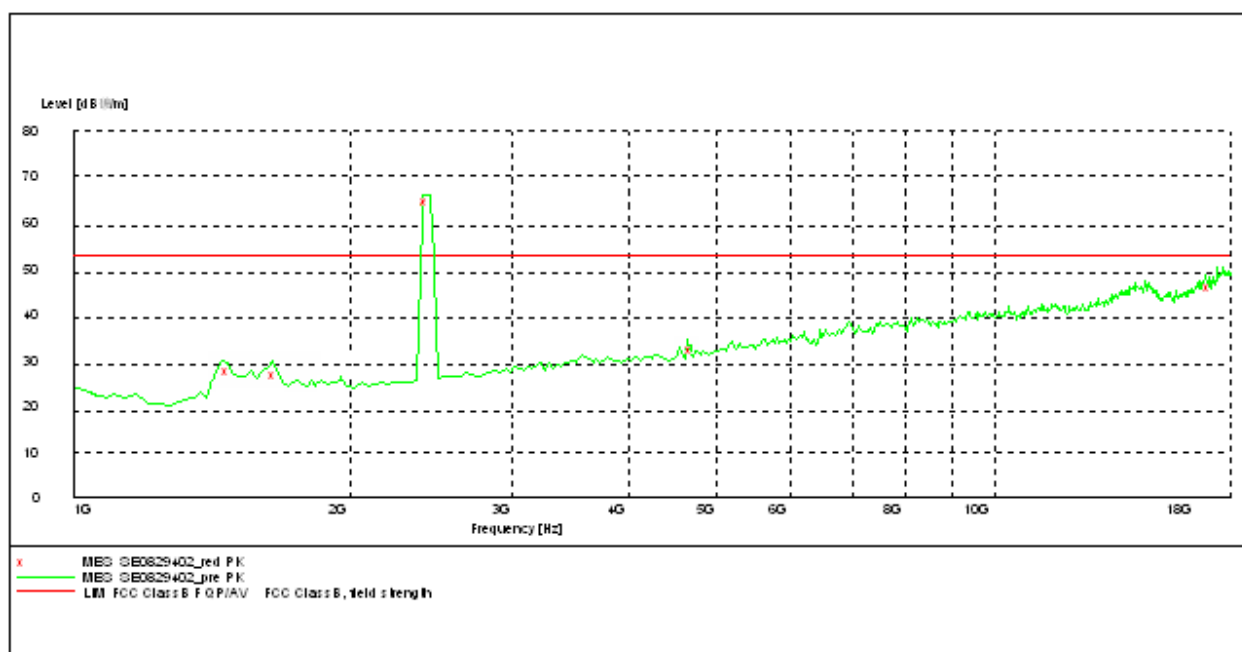
MEASUREMENT RESULT: "BCT090822205_red"

8/22/2009 21:50

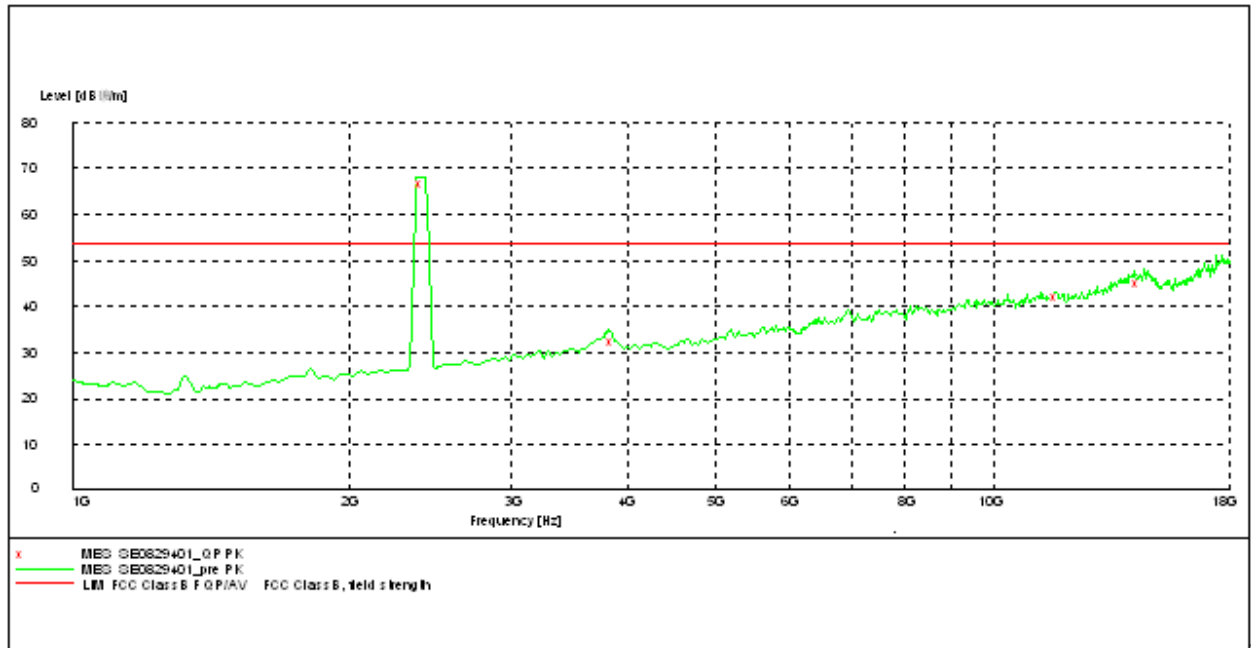
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.460000	27.30	16.7	40.0	12.7	QP	100.0	0.00	VERTICAL
800.480000	38.40	28.0	46.0	7.6	QP	100.0	0.00	VERTICAL
805.090000	39.00	28.1	46.0	7.0	QP	100.0	0.00	VERTICAL
827.740000	40.60	28.4	46.0	5.4	QP	100.0	0.00	VERTICAL
835.220000	38.00	28.4	46.0	8.0	QP	100.0	0.00	VERTICAL
939.960000	36.40	29.6	46.0	9.6	QP	100.0	0.00	VERTICAL

Spurious Emissions above 1GHz

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

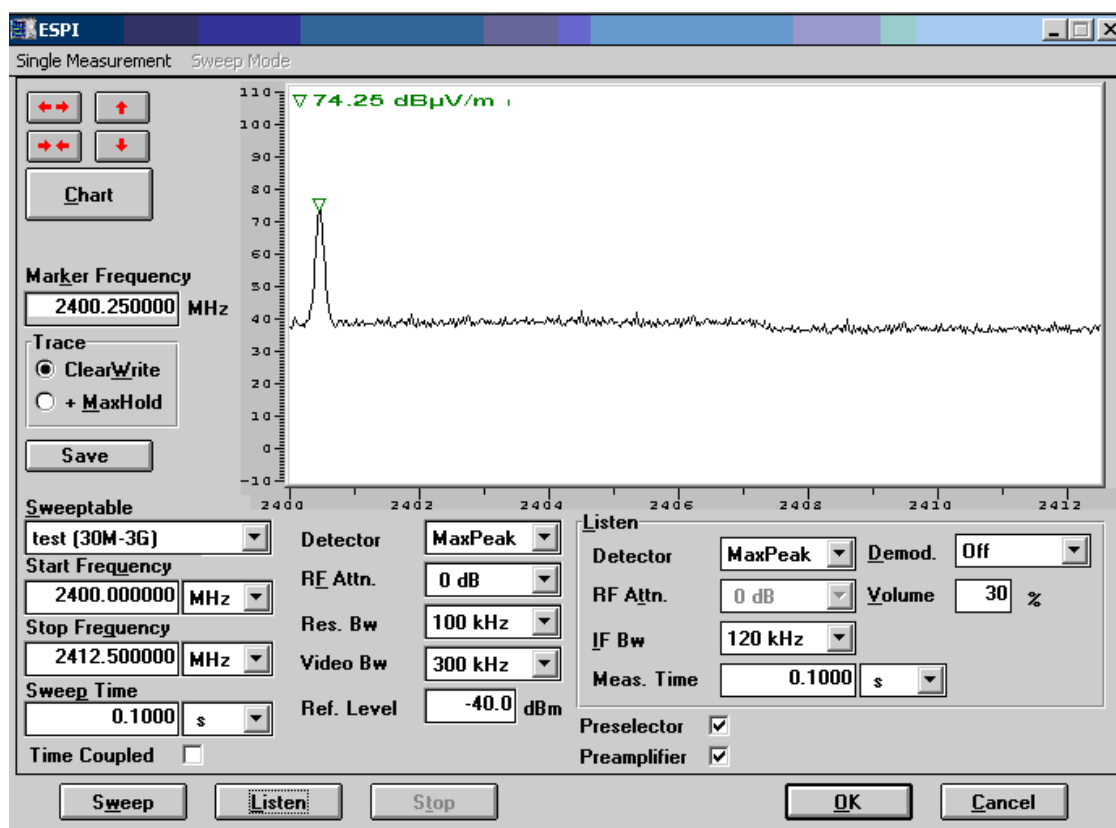


EUT: Base Unit of Wireless Headset
M/N: W-2400
Operating Condition: Continuous Transmitting
Test Site: Shielded Room
Operator: Chen
Test Specification: AC120V/60Hz / Horizontal Polarization



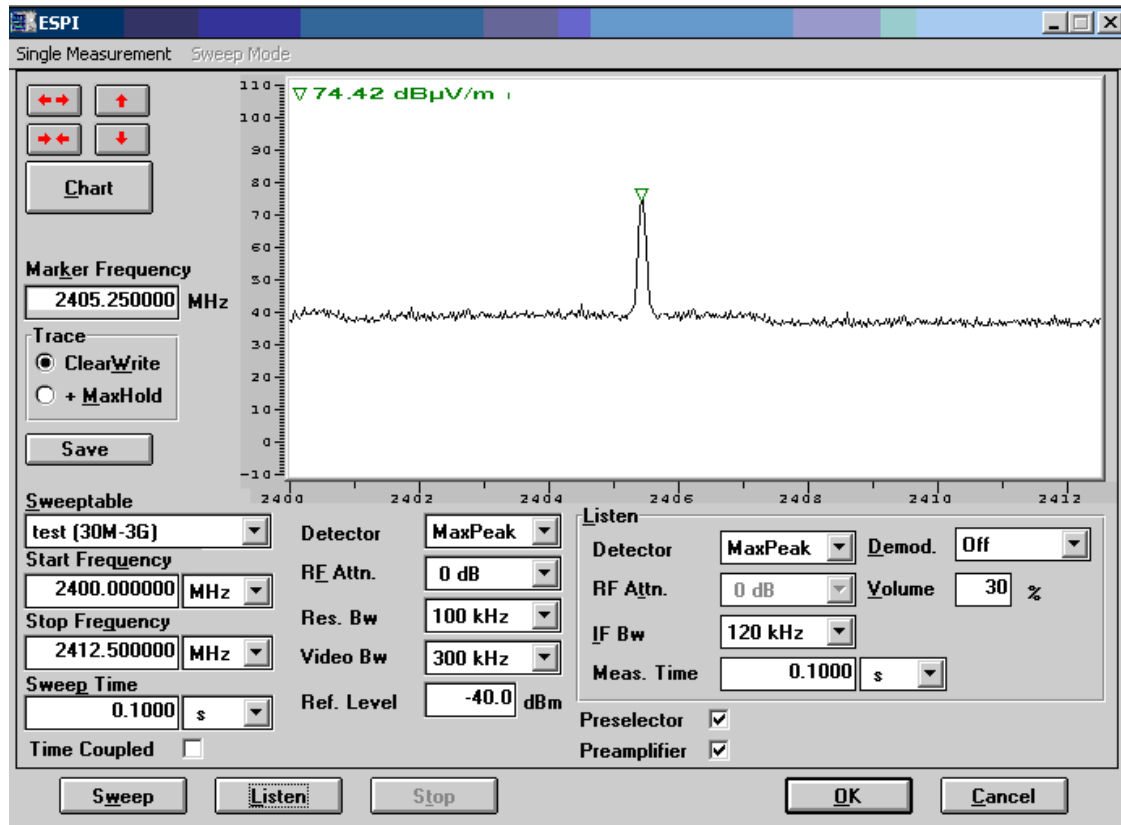
The result of Field Strength of Fundamental Field Strength

Channel 1:



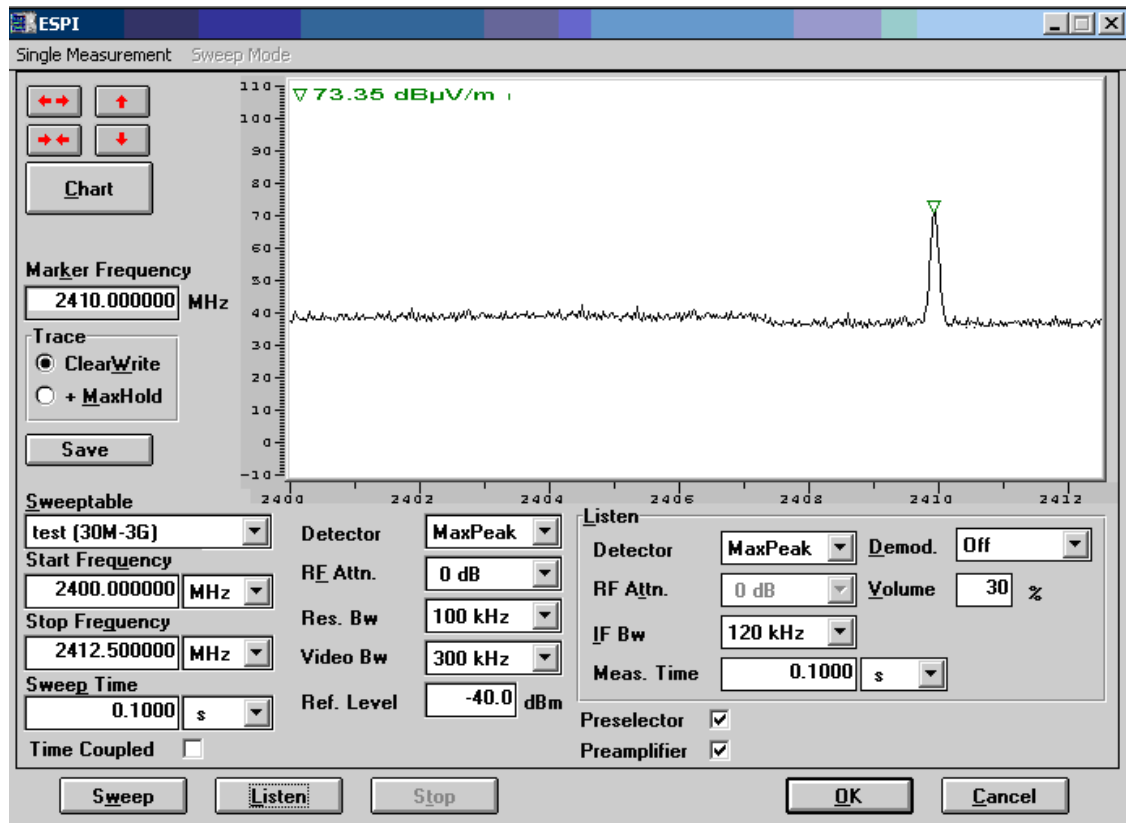
Remark:: Field Strength of Fundamental Field Strength of channel 1 is 74.25dBμV/m , is lower than 50mv/m(94 dBμV/m), complies with limit of section 15.249(a) ,and the result is pass.

Channel 21:



Remark:: Field Strength of Fundamental Field Strength of channel 21 is 74.42dBμV/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 73.35dBμV/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.