

Exhibit C

Measurement Report

BRIGHT HEADPHONE

ELECTRONICS CO.

FCC ID.: IERC1989

**Wireless Stereo Center Speaker
System(Rx)**

FCC Part 15 Subpart B
EMI TEST REPORT
of

E.U.T. : WIRELESS STEREO CENTER
SPEAKER SYSTEM (Rx)

MODEL : RF-S989

FCC ID.: IERC1989

for

APPLICANT : BRIGHT HEADPHONE ELECTRONICS CO.

ADDRESS : 2ND FL. NO. 8 & 10, LANE 337, YUNG HO ROAD,
CHUNG HO CIYT, TAIPEI HSIEN, TAIWAN,
R.O.C.

Test Performed by

ELECTRONICS TESTING CENTER, TAIWAN
NO. 8 LANE 29, WENMIMG ROAD,
LOSHAN TSUN, KWEISHAN HSIANG,
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Report Number : ET87R-06-087-02

Issued Date : AUG. 10, 1998

TEST REPORT CERTIFICATION

Applicant : BRIGHT HEADPHONE ELECTRONICS CO.
2ND FL. NO. 8 & 10, LANE 337, YUNG HO ROAD,
CHUNG HO CITY, TAIPEI HSIEN, TAIWAN, R.O.C.

Manufacturer : BRIGHT HEADPHONE ELECTRONICS CO.
2ND FL. NO. 8 & 10, LANE 337, YUNG HO ROAD,
CHUNG HO CITY, TAIPEI HSIEN, TAIWAN, R.O.C.

Description of EUT :

- a) Type of EUT : WIRELESS STEREO CENTER SPEAKER
SYSTEM (Rx)
- b) Trade Name : BRIGHT
- c) Model No. : RF-S989
- d) FCC ID. : IERC1989
- e) Tuning Frequency : 900 MHz
- f) Adapter : Model: DC I/P: AC120V O/P: 9VDC, 500mA

Regulation Applied : FCC Rules and Regulations Part 15 Subpart B (1993)

I HEREBY CERTIFY THAT; The data shown in this report were made in accordance with the procedures given in ANSI C63.4 and the energy emitted by the device was founded to be within the limits applicable. I assume full responsibility for accuracy and completeness of these data.

- Note : 1. The results of the testing report relate only to the items tested.
2. The testing report shall not be reproduced except in full, without the written approval of ETC.

Test Date : JUL. 16, 1998

Test Engineer : Chin Cheng Yeh.
(Ching Chen Yeh)

Approve & Authorized Signer : Will Yau
Will Yauo, Supervisor
EMI Test Site of ELECTRONICS
TESTING CENTER, TAIWAN

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1. GENERAL INFORMATION

1.1 Product Description

- a) Type of EUT : WIRELESS STEREO CENTER SPEAKER SYSTEM (Rx)
- b) Trade Name : BRIGHT
- c) Model No. : RF-S989
- d) FCC ID. : IERC1989
- e) Adapter : I/P: AC120V O/P: 9VDC, 500mA

1.2 Characteristics of Device

1. The system, using high frequency radio waves, broadcasts the signal approximately 180 feet-through walls, floors, glass and ceilings.
2. This speaker system delivers true stereo sound and is not subject to distortion and interference from magnetic field created by surrounding appliances.
3. Any number of wireless speakers and headphones can be operated from a single 900MHz transmitter.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in section 12.1 of ANSI C63.4(1992).

The field strength measurements of the receiver under test which was placed on an wooden turntable 0.8 meter in height. The receiving antenna polarized horizontally was varied from 1 to 4 meters and the wooden turntable was rotated through 360 degrees to obtain the highest reading on the field strength meter or on the display of the spectrum analyzer. And also, each emission was to be maximized by changing the orientation of the RECEIVER under test. These measurements were repeated with the receiving antenna polarized vertically.

1.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the roof top of Building at No.34, 5 Lirn, Din Fu Tsun, Lin Kou, Taipei, Taiwan, R.O.C.

This site has been fully described in a report submitted to your office, and accepted in a letter dated Feb. 10 , 1997.

2. DEFINITION AND LIMITS

2.1 Definition

Unintentional radiator:

A device that intentionally generates and radio frequency energy for use within the device, or that sends radio frequency signals by conduction to associated equipment via connecting wiring, but which is not intended to emit RF energy by radiation or induction.

2.2 Limitation

(1) Conducted Emission Limits :

According to 15.107 , Except for Class A digital devices, for equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 450 kHz to 30 MHz shall not exceed 250 microvolts. Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

Class B Line Conducted Emission Limits :

Frequency MHz	Emissions μV	Emissions dB μV
0.45 - 30.0	250	48.0

(2) Radiated Emission Limits :

According to 15.109 ,Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Class B Radiated Emission Limits :

Frequency MHz	Distance Meters	Radiated dB $\mu V/m$	Radiated $\mu V/m$
30 - 88	3	40.0	100
88 - 216	3	43.5	150
216 - 960	3	46.0	200
above 960	3	54.0	500

2.3 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device :

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2.4 User Information

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

3. RADIATED EMISSION MEASUREMENT

3.1 Description

The following data lists the significant emission frequencies, measured levels, correction factor (includes cable and antenna corrections), the corrected reading, the limit, and margin. Explanation of the Correction Factor is given in paragraph 5.4.

3.2 Radiated Emission Data

a. Blow 1 GHz

Test Date : JUL. 16, 1998 Temperature : 23 °C Humidity: 70%

Operation Mode : Rx

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result @3m (dBuV/m)	Limit @3m (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (m)
33.510	H	30.5	-10.5	20.0	40.0	-20.0	0	1.0
50.875	V	34.3	-14.3	20.0	40.0	-20.0	180	1.0
152.625	H	42.1	-9.9	32.2	43.5	-11.3	0	1.5
203.473	H	47.8	-6.9	40.9	43.5	-2.6	0	1.5
407.186	H	39.9	-6.1	33.8	46.0	-12.2	45	1.0
508.927	H	49.3	-4.6	44.7	46.0	-1.3	45	1.0

b. Above 1 GHz

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)	Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (m)
	H	V			Peak	Ave.			
1001.030	49.9	53.4	-9.7	43.7	74.0	54.0	-10.3	15	1.5
2002.060	44.9	43.8	-4.6	40.3	74.0	54.0	-13.7	15	1.3
3003.090	44.9	45.6	-1.2	44.4	74.0	54.0	-9.6	15	1.4
4004.120	43.0	42.1	2.0	45.0	74.0	54.0	-9.0	15	1.5
5005.150	---	---	2.9	---	74.0	54.0	---	---	---
6006.180	---	---	4.5	---	74.0	54.0	---	---	---
7007.210	---	---	5.4	---	74.0	54.0	---	---	---
8008.240	---	---	6.4	---	74.0	54.0	---	---	---
9009.270	---	---	7.0	---	74.0	54.0	---	---	---
10010.300	---	---	7.4	---	74.0	54.0	---	---	---

Remark “--” means that the emission level is too low to be measured.

Note: Measuring data showed in above tables is quasi peak value when the frequency is below or equal to 1 GHz, and is peak value when the frequency is above 1 GHz.

Explanation of measuring instrument setup in frequency band measured is as following :

Frequency Band (MHz)	Instrument	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	RF Test Receiver	Quasi Peak	120 kHz	N/A
	Spectrum Analyzer	Peak	100 kHz	100 kHz
Above 1000	Spectrum Analyzer	Peak	1 MHz	1 MHz
	Spectrum Analyzer	Average	1 MHz	300 Hz

3.3 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$RESULT = READING + CORR. FACTOR$$

where CORR. FACTOR = Antenna FACTOR + Cable FACTOR – Amplifier Gain

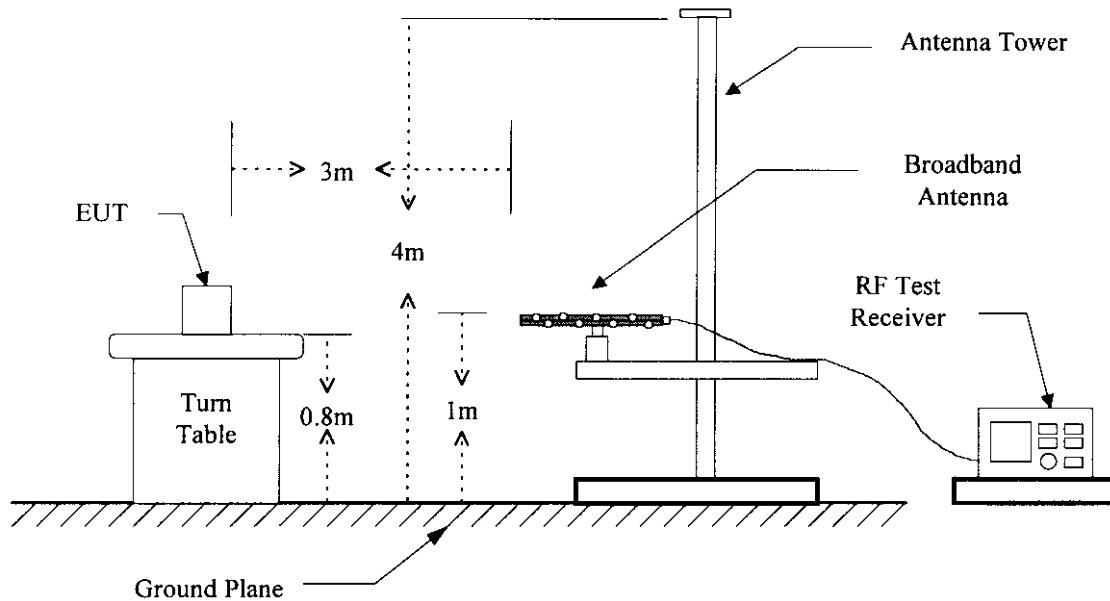
3.4 Measuring Instrument

The following test equipment are used during the radiated test .

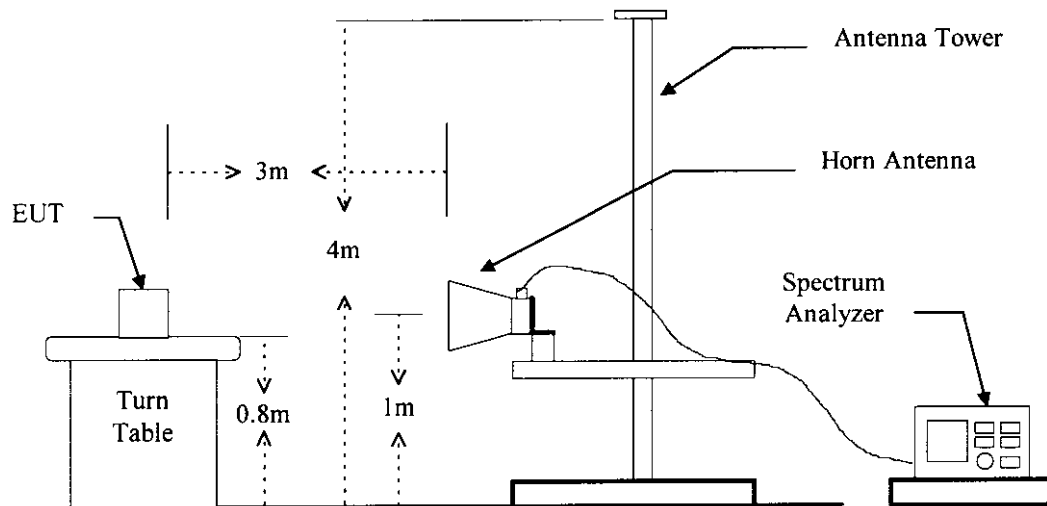
Equipment	Manufacturer	Model No.	Next Cal. Date
RF Test Receiver	Rohde and Schwarz	ESVS 30	DEC. 19, 1998
Spectrum Analyzer	Hewlett-Packard	8568B	OCT. 16, 1998
Pre-selector	Hewlett-Packard	85685A	OCT. 16, 1998
Quasi Peak Detector	Hewlett-Packard	85650A	OCT. 07, 1998
Horn Antenna	EMCO	3115	AUG. 05, 1999
Log periodic Antenna	EMCO	3146	DEC. 10, 1999
Preamplifier	Hewlett-Packard	8447D	OCT. 16, 1998
Spectrum Analyzer	Hewlett-Packard	8546A	FEB. 11, 1999
Spectrum Analyzer	Advantest	R3271	SEP. 02, 1998
Amplifier	Hewlett-Packard	8449B	MAY 08, 1999
Signal Generator	Rohde & Schwarz	SMY 02	APR. 01, 1999

3.5 Open Field Test Site Setup Diagram

3.5.1 Emission's frequency below 1 GHz



3.5.2 Emission's frequency above 1 GHz



4 CONDUCTED EMISSION MEASUREMENT

4.1 Description

The initial setup in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on following data pages, and these signals are the quasi-peaked.

4.2 Conducted Emission Data

Test Date : JUL. 01, 1998 Temperature : 24 °C Humidity: 50%

Operation Condition : Rx

Frequency (MHz)	Reading (dBuV)		Factor (dB)	Result (dBuV)		Limit (dBuV)	Margin (dB)
	Va	Vb		Va	Vb		
0.4586	28.5	35.6	0.2	28.7	35.8	48.0	-12.2
0.4910	27.5	34.9	0.2	27.7	35.1	48.0	-12.9
0.7185	23.6	28.3	0.3	23.9	28.6	48.0	-19.4
0.7951	21.7	28.4	0.3	22.0	28.7	48.0	-19.3
0.8409	20.3	25.3	0.3	20.6	25.6	48.0	-22.4
1.3310	13.2	18.5	0.3	13.5	18.8	48.0	-29.2
18.4653	15.4	14.7	0.9	16.3	15.6	48.0	-31.7

4.3 Result Data Calculation

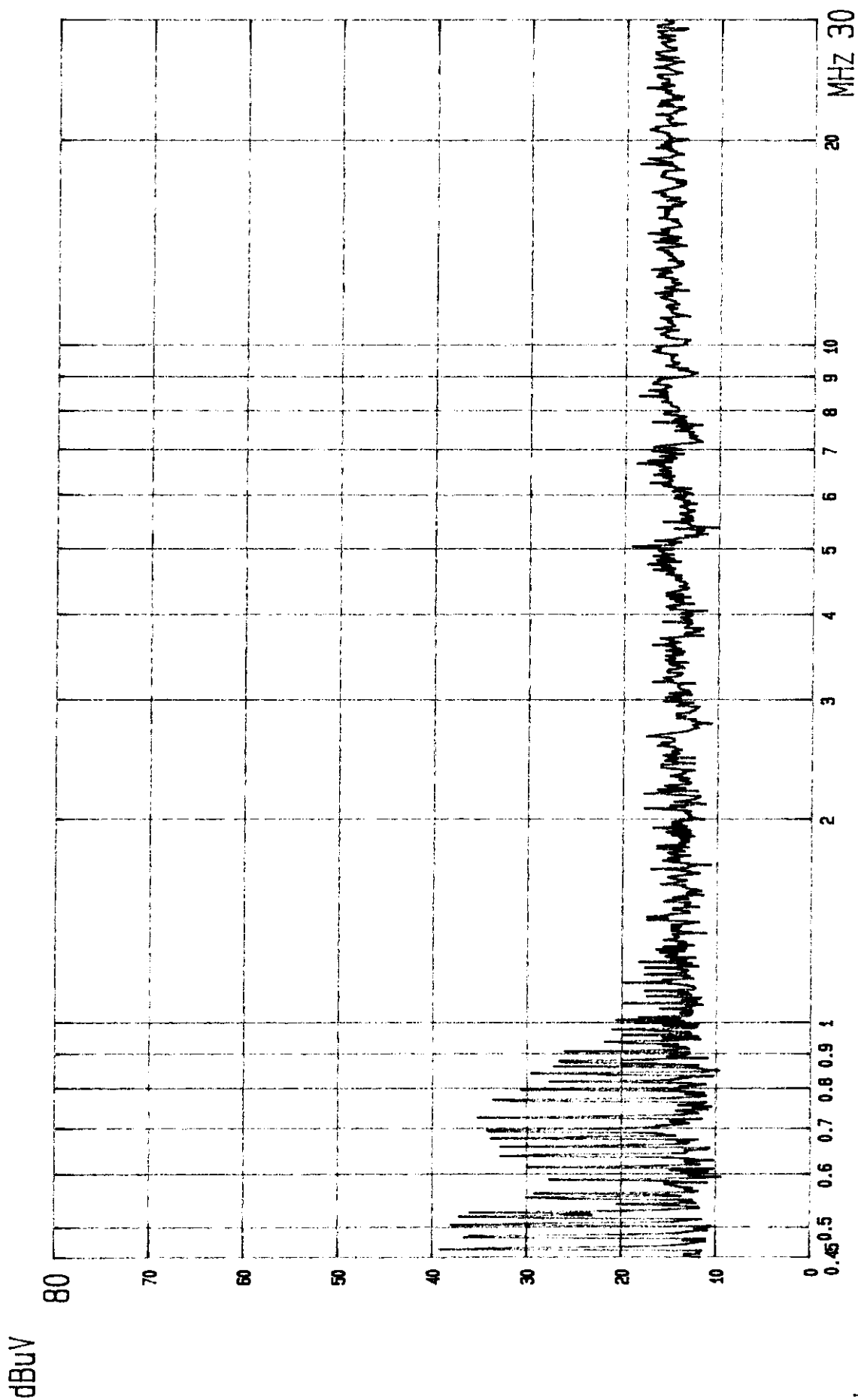
The result data is calculated by adding the LISN Factor to the measured reading. The basic equation with a sample calculation is as follows:

$$\text{RESULT} = \text{READING} + \text{LISN FACTOR}$$

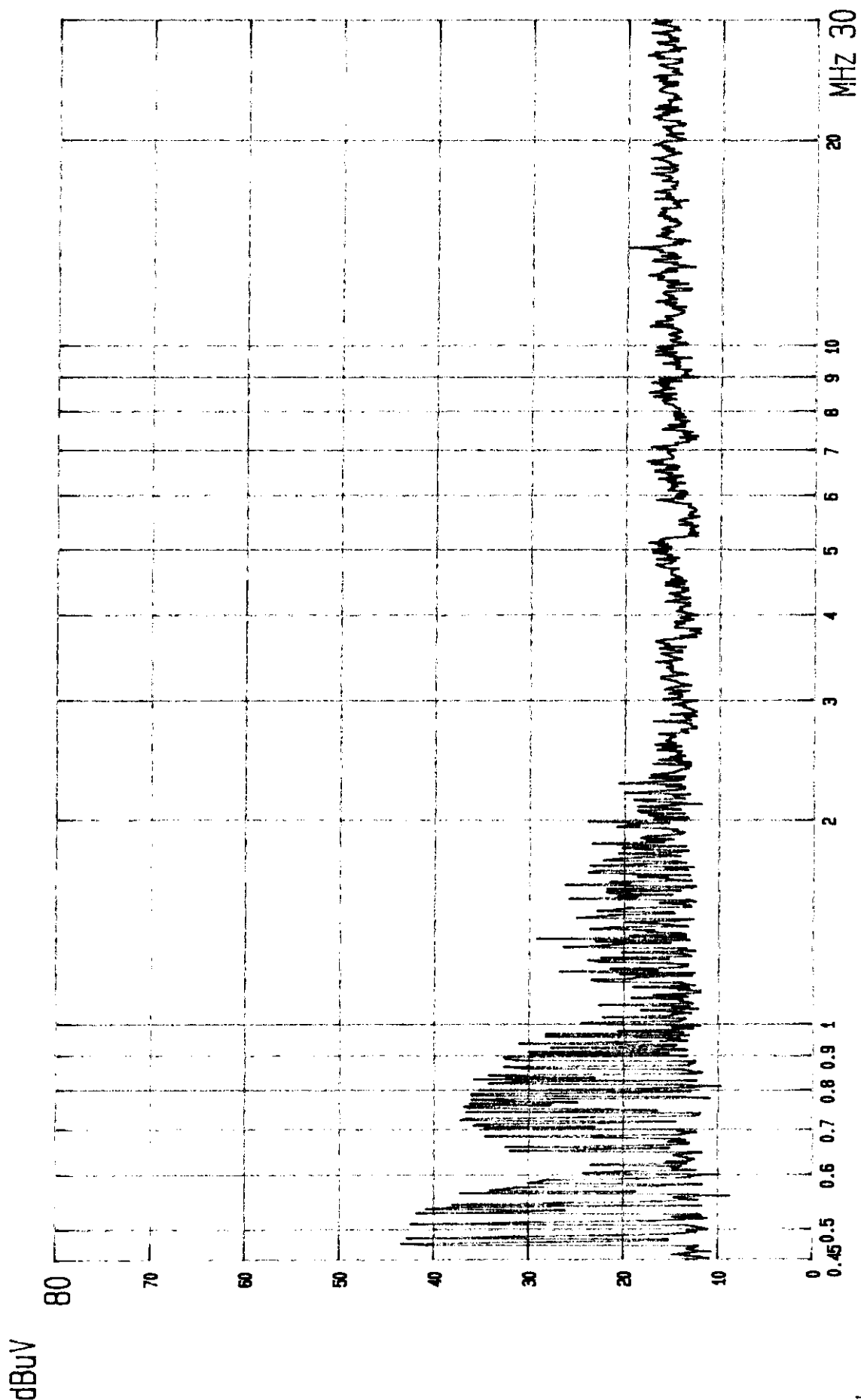
Assume a receiver reading of 22.5 dB μ V is obtained, and LISN Factor is 0.1 dB, then the total of field strength is 22.6 dB μ V.

$$\text{RESULT} = 22.5 + 0.1 = 22.6 \text{ dB } \mu \text{ V}$$

$$\begin{aligned} \text{Level in } \mu \text{ V} &= \text{Common Antilogarithm}[(22.6 \text{ dB } \mu \text{ V})/20] \\ &= 13.48 \mu \text{ V} \end{aligned}$$

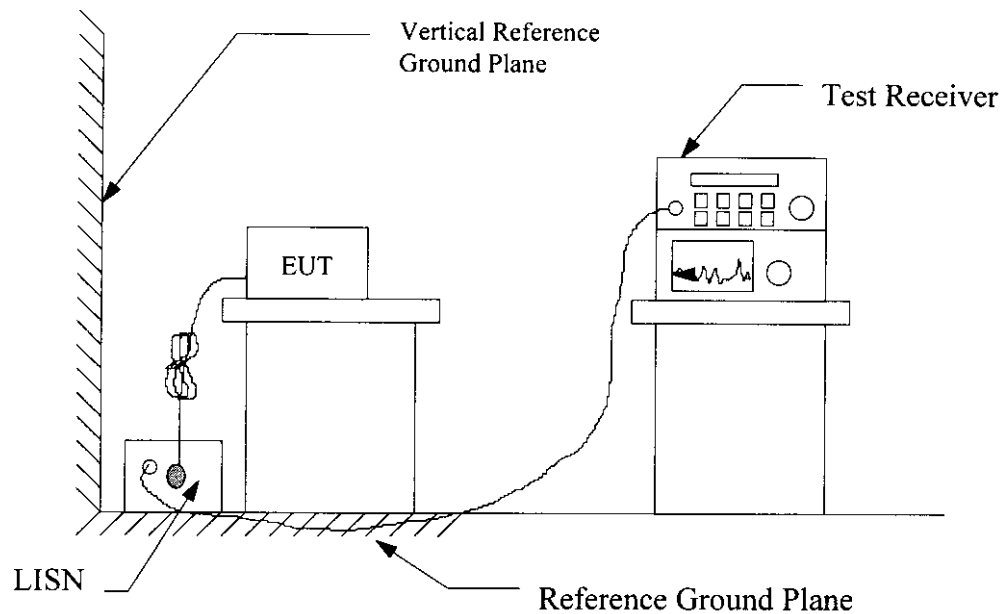


FCC CONDUCTED TEST EUT: WIRELESS STEREO CENTER SPEAKER SYSTEM 8: QP., CLASS B LIMIT
MODEL: RF-S989 MODE: RX POWER: 120V/60Hz LISN: Va ETC EMI LAB.



FCC CONDUCTED TEST EUT: WIRELESS STEREO CENTER SPEAKER SYSTEM 8: QP., CLASS B LIMIT
MODEL: RF-S989 MODE: RX POWER: 120V/60Hz LISN: Vb ETC EMI LAB.

4.5 Conducted Measuring Setup Diagram



4.6 Conducted Measurement Equipment

The following test equipment are used during the conducted test .

Equipment	Manufacturer	Model No.	Next Cal. Date
RF Test Receiver	Rohde and Schwarz	ESH3	JAN. 04, 1999
Spectrum Monitor	Rohde and Schwarz	EZM	N.C.R.
Line Impedance Stabilization network	Rohde and Schwarz	ESH2-Z5	AUG. 18, 1999
Plotter	Hewlett-Packard	7440A	N/A
Shielded Room	Riken	----	N.C.R.