TEST REPORT

Applicant:	Betterway Electronic Co.,Ltd
Address of Applicant:	Aote Mansion Northem Suburb Industrial Zone,Enping City,Guangdong Province,china.
Equipment Under Test (EUT):	
EUT Name:	Portable wireless PA amplifier
Model No.:	SH-995、SH-996、HS-996、HS-995
Serial No.:	Not supplied by client
Standards:	FCC PART 15.109
Date of Receipt:	Mar 30, 2007
Date of Test:	Apr 07, 2007
Date of Issue:	Apr 12, 2007
Test Result :	**PASS***

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Henly.xie/Manager

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All test results in this report can be traceable to National or International Standards.

The test report prepare by:

Guangzhou Huesent Testing Service Co.,Ltd.

Self-ordained 68# courtyard, No.91, Dongguanzhuang Road,Guangzhou,China.

Tel: 86-20-87221453 Fax: 86-20-87221905

http://www.hst.org.cn

E-mail:hst@hst.org.cn

2. Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission (30MHz to 1GHz)	FCC PART 15, SUBPART B: 2006	ANSI C63.4:2003	Class B	PASS
Conducted Emission (150KHz to 30MHz)	FCC PART 15, SUBPART B: 2006	ANSI C63.4:2003	Class B	PASS

Remark:

Tests were performed for one model SH-996 only，since the other models (SH-995、HS-996、HS-995) were electrical identified and same function to SH-996,with difference being the model name and outer figure.

3. Contents

4. General Information

4.1 Client Information

Applicant:	Betterway Electronic Co.,Ltd
Address of Applicant:	Aote Mansion Northem Suburb Industrial Zone,Enping City,Guangdong Province,china.

4.2 General Description of E.U.T.

EUT Name:	Portable wireless PA amplifier
Item No.:	SH-995、SH-996、HS-996、HS-995
Serial No.:	Not supplied by client

4.3 Details of E.U.T.

Power Supply:	110VAC 60Hz for receiver
Power Cord:	N/A

4.4 Description of Support Units

The EUT has been tested with a signal generator.

4.5 Standards Applicable for Testing

The customer requested FCC tests for Portable wireless PA amplifier

The standard used was FCC PART 15, SUBPART B, CLASS B (2006)

4.6 Test Location

GuangZhou Huesent Testing Service Co., Ltd.

Self-ordained 68# courtyard, No.91, Dongguanzhuang Road,Guangzhou,China.
Tel: 86-20-87221905, Fax: 86-20-87223892

All tests were subcontract to the laboratory following-

CGEL (i.e. Guangdong Electronic & Electrical Products Inspection and Supervision Institute).

Address:45 Cunnan Street,Shayongnan,Sanyuanli District GuangZhou,

FCC- Registratrion No: 597719 in Jan 18, 2005
CNAS- Accreditation No: L 0307, issued in Mar 2, 2006
CQC Authorized Subcontract Lab V-016

4.8 Deviation from Standards

None.

4.9 Abnormalities from Standard Conditions

None.

5. Equipments Used during Test

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL.NO	SER NO	Cal. date
70-137	EMI TEST RECEIVER	R & S	ESIB7	100192	2007.03.30
/	PULSE LIMITER	R & S	ESH3-Z2	100300	2007.03.30
37-021	LISN	R & S	ESH3-Z5		2007.03.30
70-136	ULTRALOG ANTENNAS	R & S	HL-562	100172	2003.08.19
74-008	CHAMBER	ETS-LINDREN	CACT-3	/	2004.07.16
74-007	SHIELDING ROOM	ETS-LINDREN	Celltype	/	2005.05.25
10-049	Signal generator	Anritsu	MG3602A	M17634	2006.09.30

6. Test Results

6.1 Conducted Emissions Mains Terminals, 150 kHz to 30MHz

Test Requirement:	FCC Part 15.107
Test Method:	ANSI C63.4:2003
Class / Severity:	Class B
Detector:	Peak for pre-scan (9kHz Resolution Bandwidth)
	Quasi-Peak if maximised peak within 6dB of Quasi-Peak limit
Test Date	Apr 07 2007

6.1.1 E.U.T. Operation

Operating Environment:

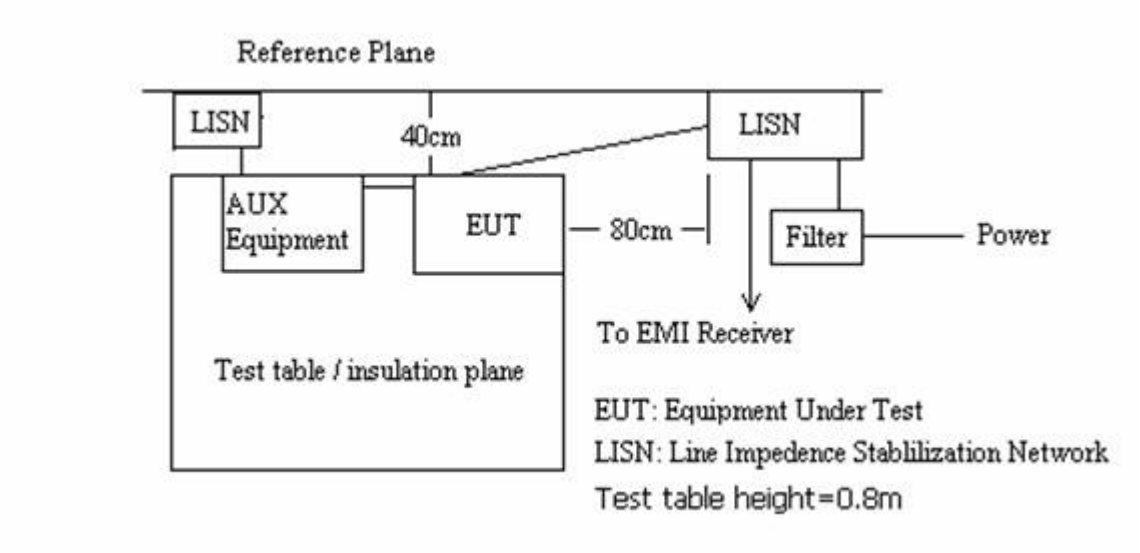
Temperature:25.0°C Humidity:62% RH Atmospheric Pressure: 1012mBar

EUT Operation:

Pretest in all mode to find worse case.

Compliance test was performed in charging mode and Louder mode.

6.1.2 Plan View of Test Setup



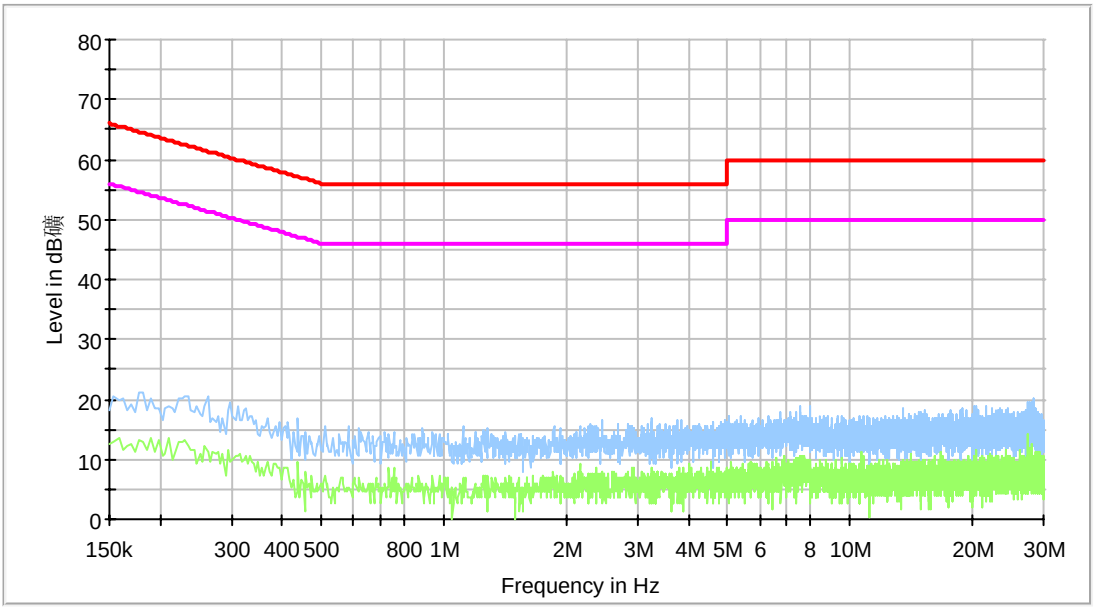
6.1.3 Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized emission were detected when Peak measurement level is over Average Limit.

Live Line- Louder mode:

Peak Scan

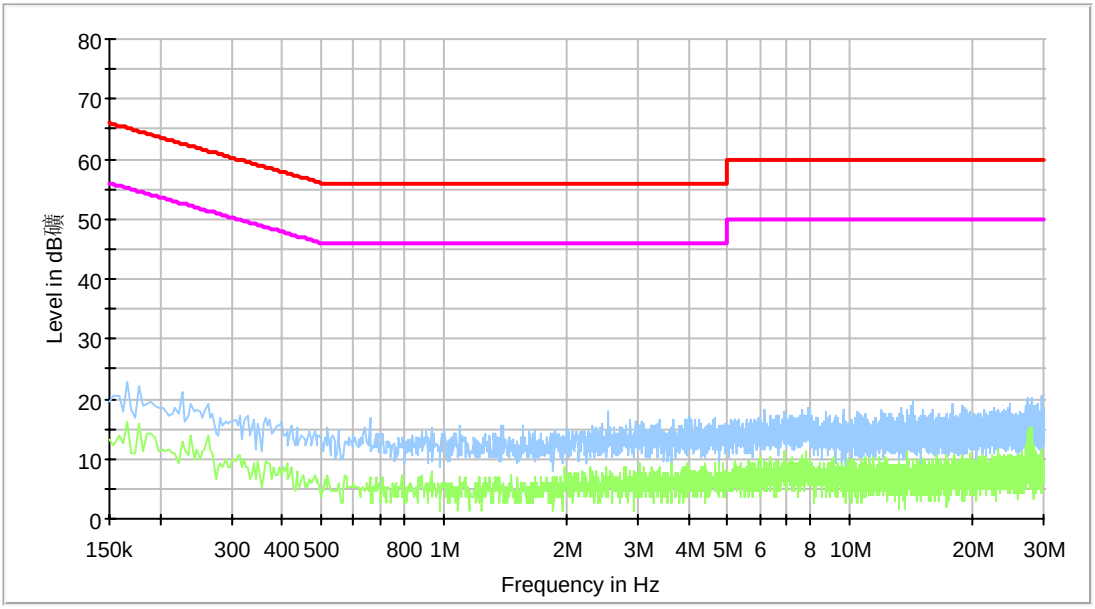


Quasi-peak and Average measurement

No significative, since the value were similar as background and all the Peak level were 40dB lower than the average limit.

Neutral Line- Louder mode:

Peak Scan

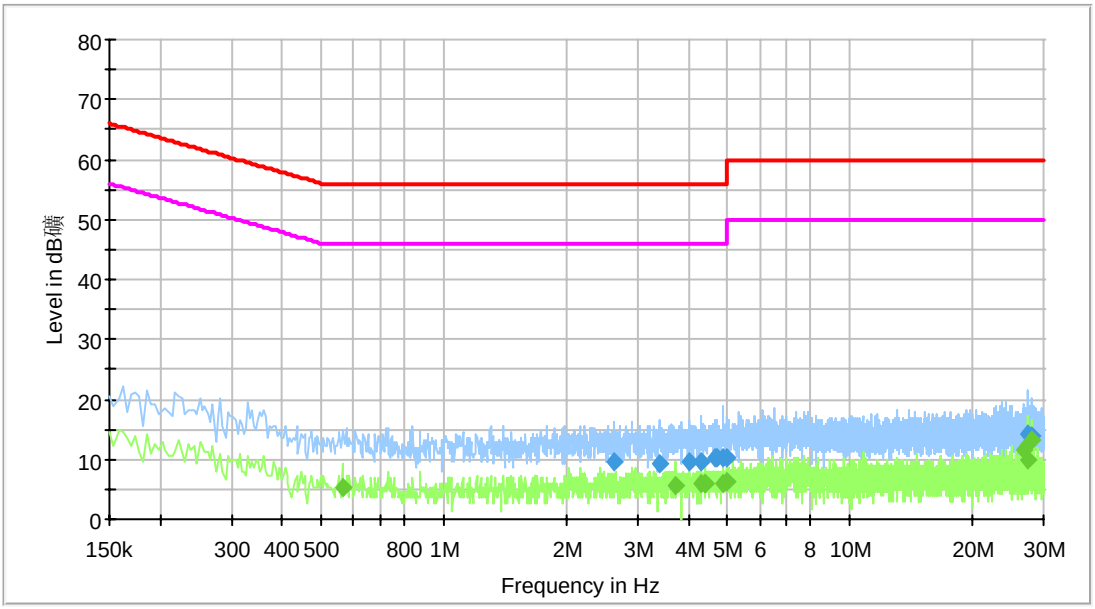


Quasi-peak and Average measurement

No significative, since the value were similar as background and all the Peak level were 40dB lower than the average limit.

Live Line- Changing mode:

Peak Scan

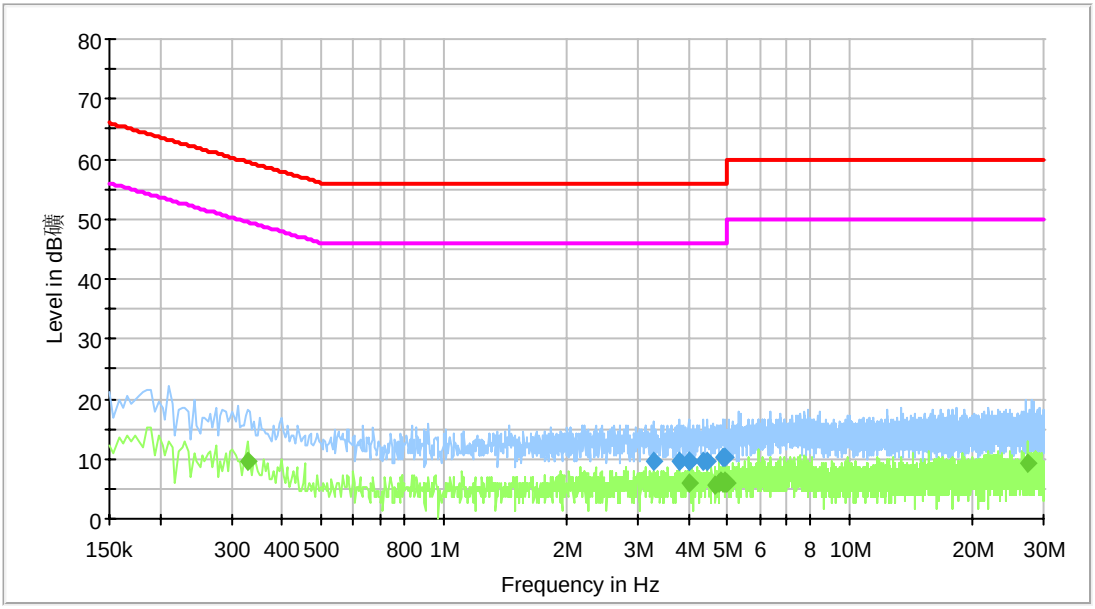


Quasi-peak and Average measurement

No significative, since the value were similar as background and all the Peak level were 40dB lower than the average limit.

Neutral Line- Charging mode:

Peak Scan



Quasi-peak and Average measurement

No significative, since the value were similar as background and all the Peak level were 40dB lower than the average limit.

6.2 Radiated Emissions, 30MHz to 1GHz

Test Requirement:	FCC Part 15.109
Test Method:	ANSI C63.4:2003
Class:	Class B
Limit:	30M—88MHz, 40.0 dBuV/m @ 3 meters
	88M—216MHz, 43.5 dBuV/m
	216M—960MHz, 46.0 dBuV/m
	Above 960MHz, 54.0 dBuV/m
Detector:	Peak for pre-scan (120kHz resolution bandwidth)
	Quasi-Peak if maximised peak within 6dB of limit

6.2.1 E.U.T. Operation

Operating Environment:

Temperature:24.0°C Humidity:52% RH Atmospheric Pressure:1012mBar

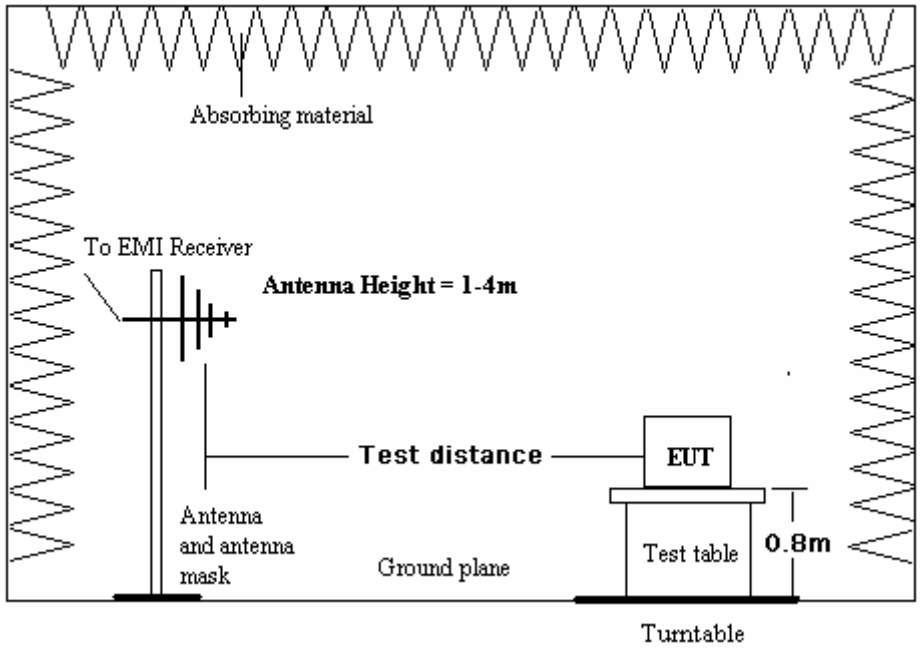
EUT Operation:

Pretest in all mode to find worse case.

Compliance test was performed in Louder mode and charging mode

FM microphone was simulated by a signal generator with 37.5kHz frequency modulation by 1kHz audio signal.

6.2.2 Test Setup

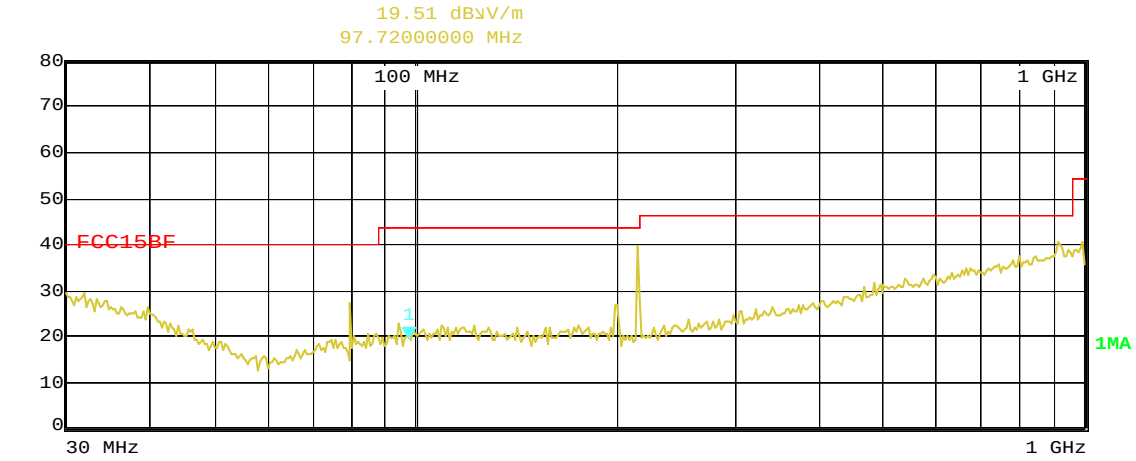


6.2.3 Measurement Data

An initial pre-scan was performed in the 3m chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bilog antenna with 2 orthogonal polarities

Vertical—Louder mode:

Peak scan

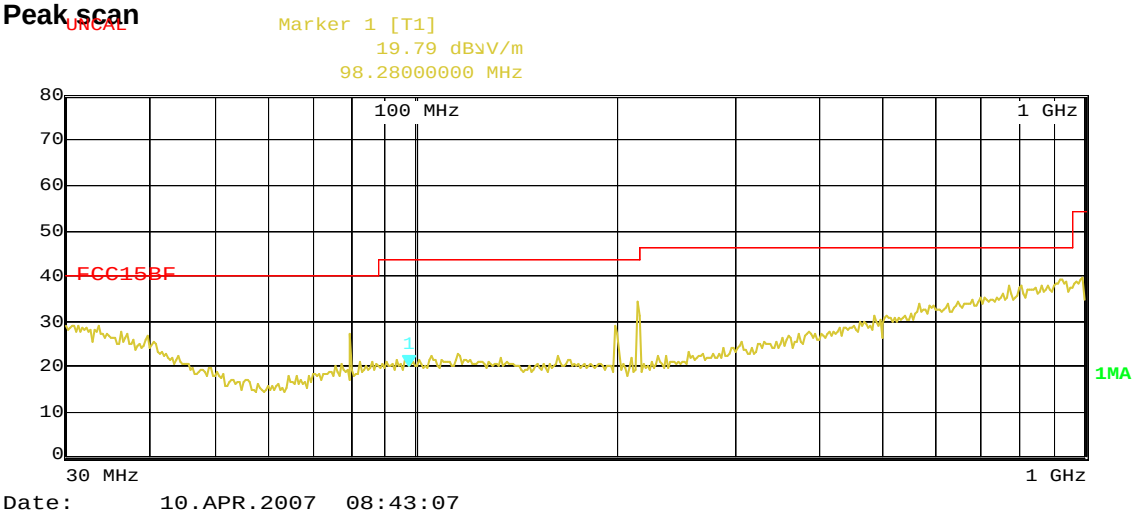


Quasi-peak measurement

The value were similar as background and emissions attenuated more than 20 dB below the permissible value are not reported.

Horizontal—Louder mode:

Peak scan



Quasi-peak measurement

The value were similar as background and emissions attenuated more than 20 dB below the permissible value are not reported.

Signal frequency: 174MHz

Frequency MHz	Factor (dB/m)	Read data (dBuV)	Level dBuV/m	Limit dBuV/m	Margin (dB)	Ant. polarity
184.600	10.9	14.3	25.2	43.5	18.3	V
184.600	10.1	11.3	21.4	43.5	22.1	H

Signal frequency: 195MHz

Frequency MHz	Factor (dB/m)	Read data (dBuV)	Level dBuV/m	Limit dBuV/m	Margin (dB)	Ant. polarity
205.600	12.3	14.6	26.9	43.5	16.6	V
205.600	11.7	12.3	24.0	43.5	18.5	H

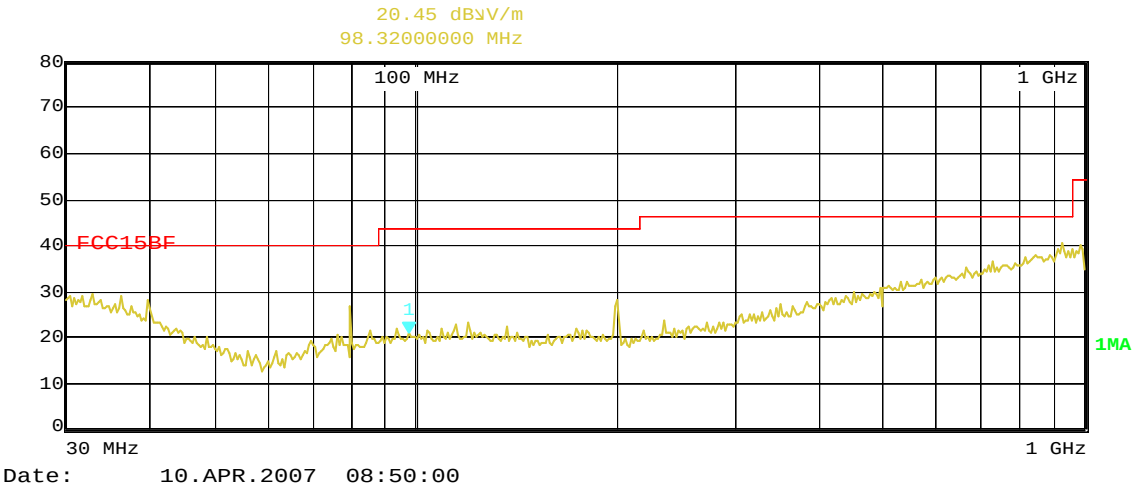
Signal frequency: 216MHz

Frequency MHz	Factor (dB/m)	Read data (dBuV)	Level dBuV/m	Limit dBuV/m	Margin (dB)	Ant. polarity
226.600	15.1	14.3	29.4	43.5	14.4	V
226.600	14.2	12.8	27.0	43.5	16.5	H

Emissions attenuated more than 20 dB below the permissible value are not reported.

Vertical—Charging mode:

Peak scan

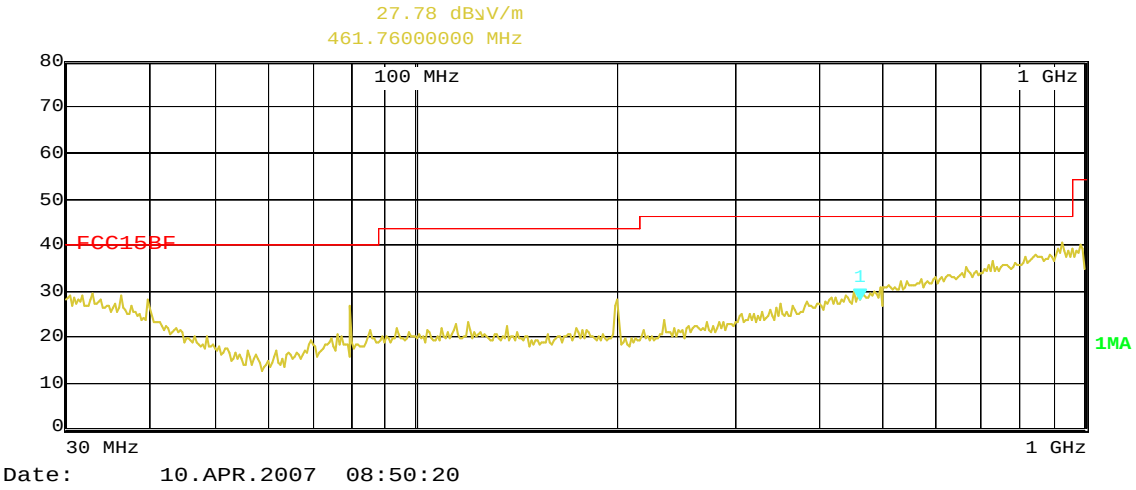


Quasi-peak measurement

The value were similar as background and emissions attenuated more than 20 dB below the permissible value are not reported.

Horizontal—Charging mode:

Peak scan

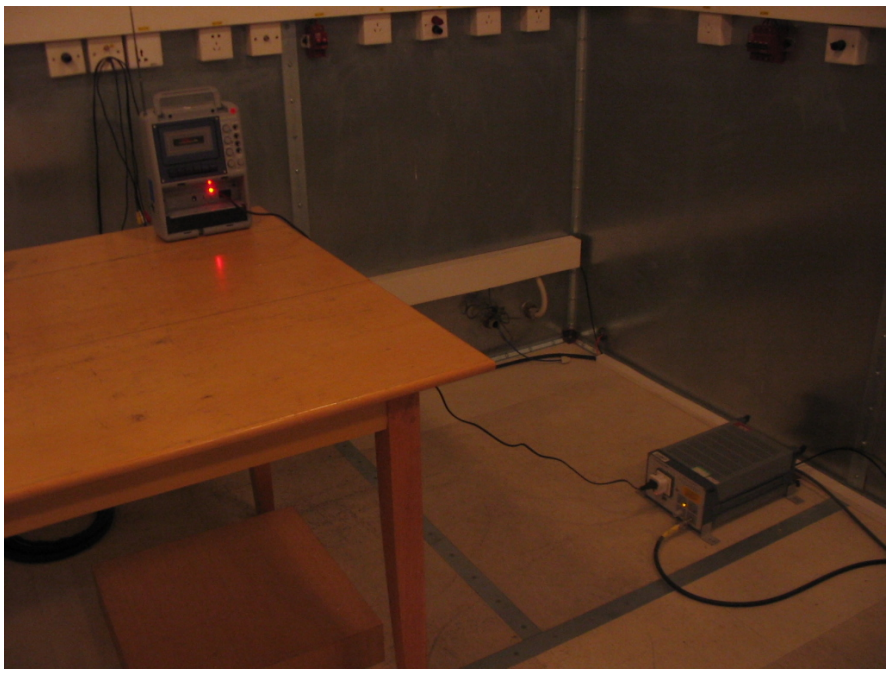


Quasi-peak measurement

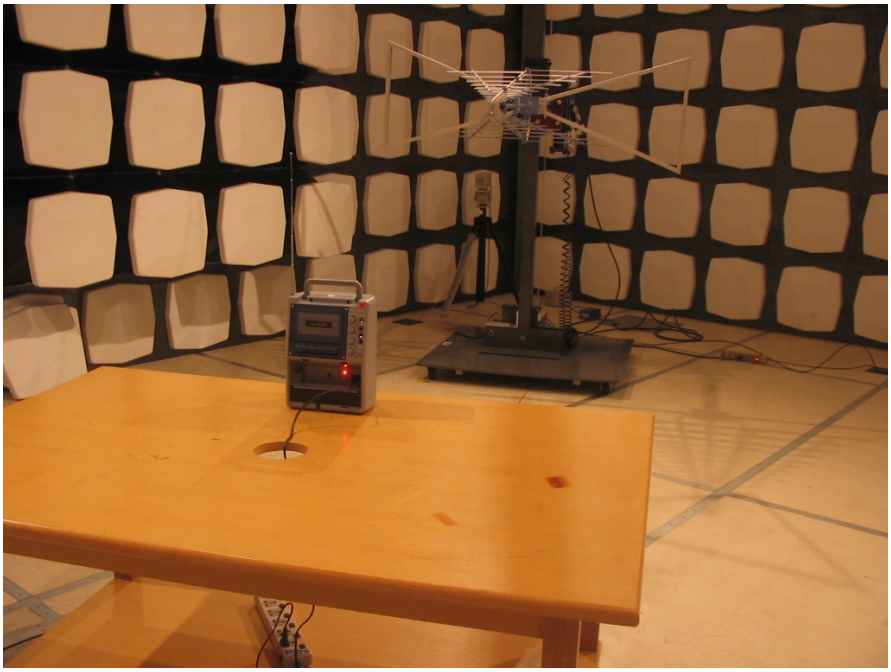
The value were similar as background and emissions attenuated more than 20 dB below the permissible value are not reported.

7. Photographs

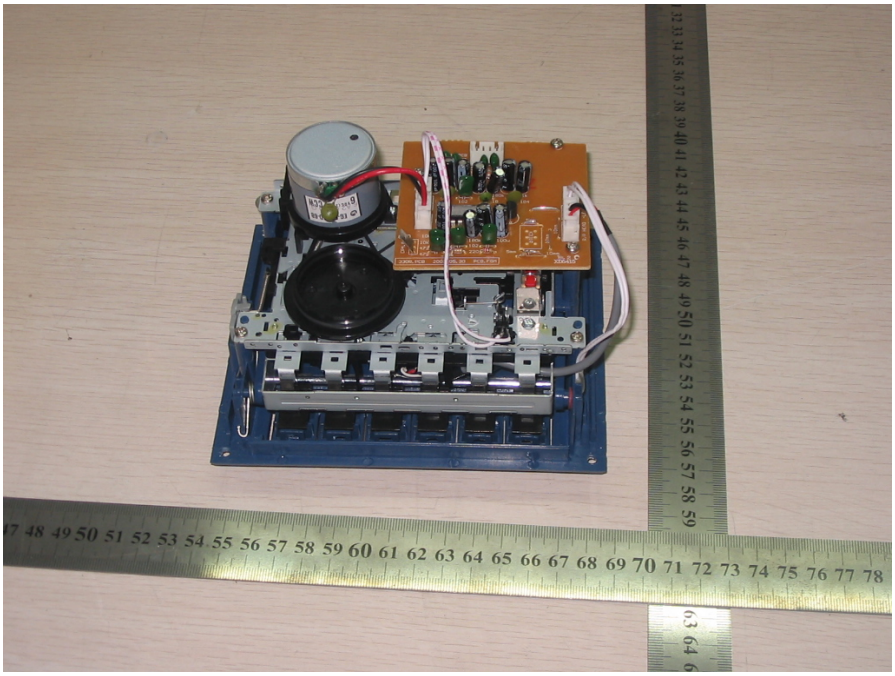
7.1 Conducted Emission Test Setup

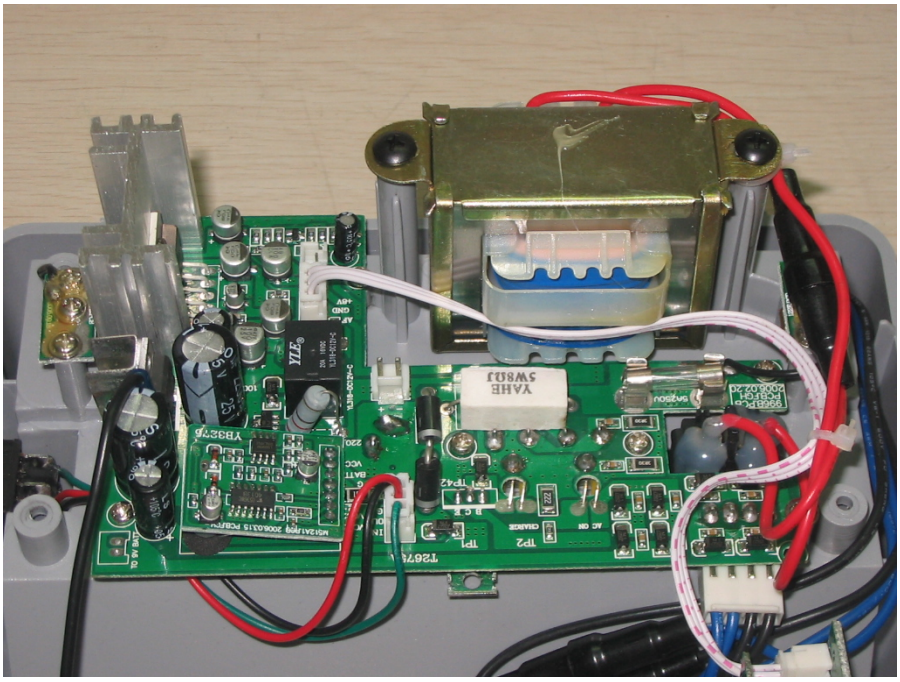


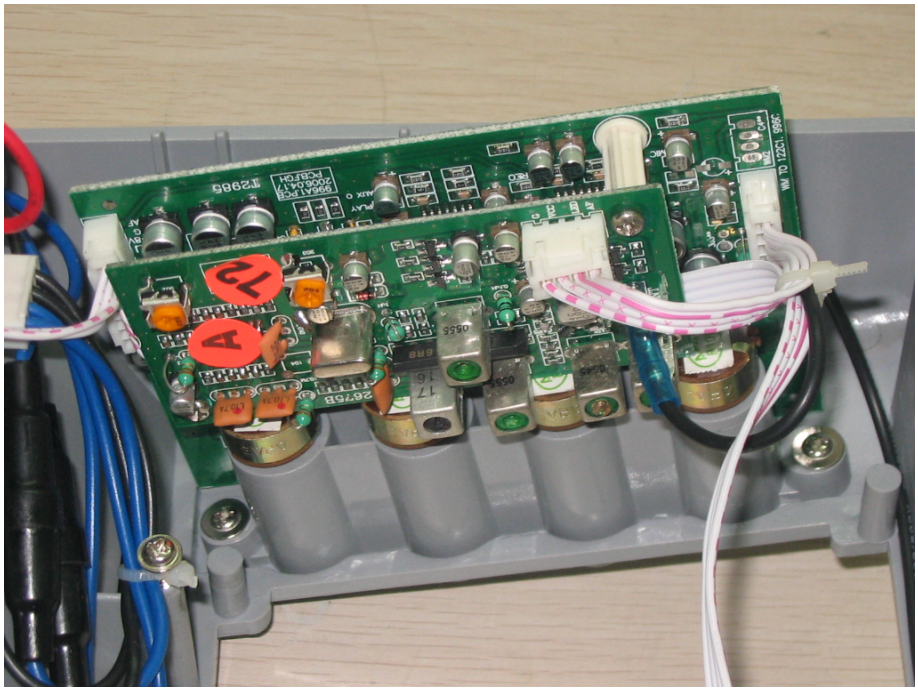
7.2 Radiatd Emission Test Setup



7.3 EUT Constructional Details







End of Report