



EMC - Test Report (FCC)

Model: AU-1000**FCC ID PL2AURA0001****Product type Mind-Body Energy Analyzer****Serial No. A00080998****Applicant BR System Co., Ltd.****Address Songpa Bldg., 505, Shinsa-Dong, Kangnam-Gu, Seoul, Korea 135-210****Manufacturer BR System Co., Ltd.****Address Songpa Bldg., 505, Shinsa-Dong, Kangnam-Gu, Seoul, Korea 135-210****Test specification : FCC Part15 Subpart B Class B
(Standard)****Test Result : In compliance**Tested by
(Test engineer)**2001-06-01 Young Joon, Park**

Date

Name

Signature

Reviewed by

(EMC Technical Manager)

2001-06-01 James, Hong

Date

Name

Signature

Definition

: Applicable,



: Not Applicable,

N/A : Not Applicable,

: Not Applicable

The test result only responds to the tested sample.

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Table of contents

1. EUT description	3
Introduction	3
Identification	3
Electrical rating	3
2. Test Set-up	4
Test Mode	4
Cable configuration	4
Cable description	5
Auxiliary equipment	5
Test software	5
Measurement Procedures	6
3. Test Result	7
Test summary	7
Radiated emission	8
Conducted emission	9



1. EUT description

Introduction

AU-1000 is a system that analyzes life-force energy.

Identification

Receipt date : 2001-05-22
Model : AU-1000
Manufacturer : BR System Co., Ltd.
Address : Songpa Bldg., 505, Shinsa-Dong, Kangnam-Gu, Seoul, Korea 135-210
Contact person : Yong-Seok Choi / Technical Manager
Telephone : +82 - 2 - 544 - 3223
Serial No : A00080998
EUT Size : 420mm(W) x 240mm(H) x 45mm(D)

Peripheral Device Ports

Port name	Description
Serial Port	Connect Com1 or Com2 Port on a PC
Adaptor	Connect DC9V Adaptor

Electrical rating

Input : DC9V (EUT) / AC 120V, 60Hz (Adaptor)

Output : -



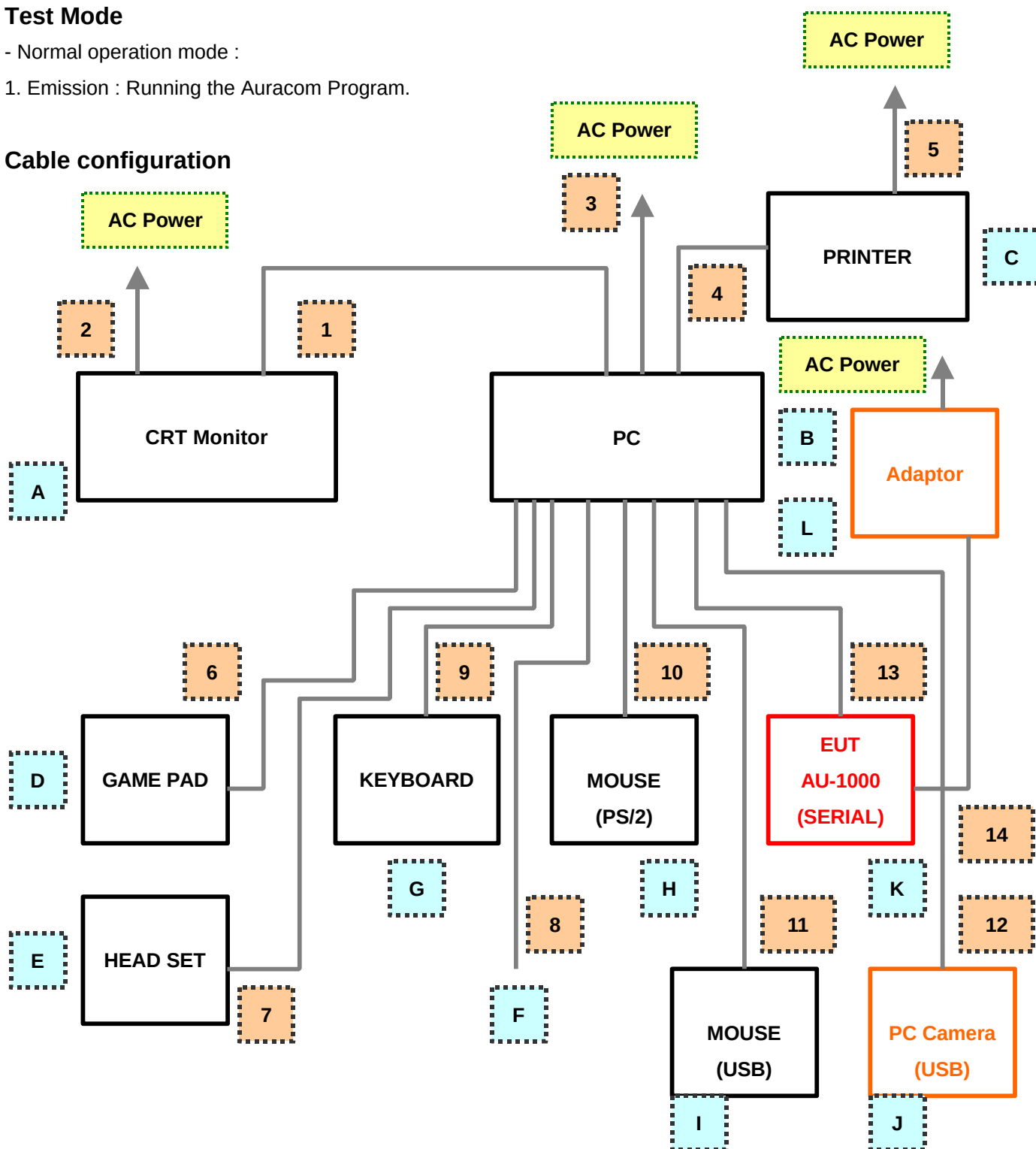
2. Test Set-up

Test Mode

- Normal operation mode :

1. Emission : Running the Auracom Program.

Cable configuration



**Cable description**

	Cable name	Type	Length (m)	Remark
1	Video Cable	Shielded	1.6	Ferrite core
2	EUT AC Power Cable	Unshielded	2.0	-
3	PC Power Cable	Unshielded	2.0	-
4	Parallel Cable	Shielded	2.0	-
5	Printer Power Cable	Unshielded	2.0	-
6	Game Pad Cable	Unshielded	2.0	-
7	Head Set Cable	Unshielded	2.0	-
8	Line in Cable	Unshielded	2.0	-
9	Keyboard Cable	Unshielded	2.0	-
10	Mouse (PS/2) Cable	Unshielded	2.0	-
11	Mouse (USB) Cable	Unshielded	2.0	-
12	PC Camera (USB) Cable	Unshielded	2.0	-
13	EUT (SERIAL) Cable	Unshielded	2.0	Dsub
14	EUT Power Cable	Unshielded	2.0	-

Auxiliary equipment

	Description	Model name	Serial No.	Manufacturer	FCC ID or DoC Info
A	CRT Monitor	D4820A	KR64503520	SAMSUNG	DoC
B	PC	DTPC-17	G1703009	HEWLETT PACKARD	DoC
C	Printer	C4530A	US7A91703J	HEWLETT PACKARD	DoC
D	Game pad	Side Winder	03421317	MICROSOFT	C3KMGP1
E	Headset	Hi-sonic	-	-	N/A
F	Line In	-	-	-	N/A
G	Keyboard	SK-2502C	M000351491	HEWLETT PACKARD	DoC
H	Mouse (PS/2)	M-S48	LZA84601000	LOGITECH	JNZ201213
I	Mouse (USB)	M-BB48	LZE93853157	LOGITECH	DoC
J	PC Camera	KMC-77	EB040316	KOCOM	DoC
K	EUT	AU-1000	A00080998	BR System	PL2AURA0001
L	Adaptor	KSA-0930U	-	KI SEUNG CO., LTD.	N/A

Test software

Software name	Manufacturer	Version	Description
AURACOM	BR System	-	Auracom Operating Program



Measurement Procedures

Preliminary AC power line conducted emissions tests were performed shielded room. To find worst mode, several typical mode and typical cable position were tested.

Final AC power line conducted emissions test was performed shielded room. (location is same as Preliminary test)

Based on the preliminary tests of the EUT, final test was proceeded worst case test mode and cable configuration.

Preliminary radiated emissions test were performed anechoic chamber (Distance of antenna and EUT was 3m). To find worst mode, several typical mode and typical cable position were tested and peak level and frequency were recorded.

Final radiated emissions test was performed Open Area Test Site. Based on the preliminary tests of the EUT, final test was proceeded worst case test mode and cable configuration.

* Measurement procedures was In accordance with ANSI C63.4-1992 7.2.3, 7.2.4 and 8.3.1.1, 8.3.1.2



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FCC Registration No. 93250

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Page 7 of 10

3. Test Result

Test summary

Test	Result	Remark
Emission test (EMI)		
Radiated emission	Met	
Conducted emission	Met	

Measurement uncertainty (k=2)

150kHz~30MHz: ± 2.68 , 30MHz~300MHz: +4.58, -4.66, 300MHz ~ 1GHz: +3.78, -3.74

Uncertainty parameter was calculated according to 'NAMES Publication NIS 80'

The tested AU-1000 fully meets the Requirements of ANSI C63.4-1992 , when operated as described in this report.

**Radiated emission**Test result: **Met**

Date of testing : 2001-05-30

Ambient temperature: 20°C, Relative humidity: 30%, Atmospheric pressure: 1000hPa(mbar)

Test site type: Open area test site

Reference Standard: FCC Part15 Subpart B , Class B

Test and measurement equipment (Main equipment)

Model name	Manufacturer	Description	Serial No.
3146	EMCO	Biconical antenna	9607-4567
3110B	EMCO	Log-periodic antenna	9607-2564
ESVS30	Rohde Schwarz	Field strength meter	826638/008

Frequency Band 30MHz - 1000MHz

Instrument settings IF Band Width : 120KHz

Antenna distance 3m (From the EUT)

Test data sheet (Quasi-Peak reading)

Frequency [MHz]	Reading [dBuV/m]	Pol.	Height [m]	Correction Factor		Limits [dBuV/m]	Result [dBuV/m]	Margin [dB]
				Antenna	Cable			
33.40	22.9	V	1.5	13.43	0.40	40.0	36.70	3.30
129.20	20.6	V	2.0	11.80	1.30	43.5	33.66	9.84
134.60	23.4	V	1.0	12.00	1.30	43.5	36.70	6.80
136.70	23.5	V	1.0	12.10	1.30	43.5	36.88	6.62
140.00	24.5	H	4.0	12.20	1.30	43.5	38.02	5.48
142.10	23.1	H	3.0	12.25	1.40	43.5	36.71	6.79
599.30	15.1	H	1.3	19.00	3.70	46.0	37.78	8.22
795.30	10.7	V	1.0	21.20	4.70	46.0	36.61	9.39
865.30	10.6	V	1.0	22.08	4.70	46.0	37.39	8.61
912.50	8.8	V	1.3	22.60	4.60	46.0	35.98	10.02
937.00	8.3	V	1.5	22.90	4.90	46.0	36.11	9.89
987.80	9.6	V	1.0	24.20	5.00	54.0	38.77	15.23

Comment: -

**Conducted emission**Test result: **Met**

Date of testing : 2001-05-31

Ambient temperature: 23°C, Relative humidity: 38%, Atmospheric pressure: 1006hPa(mbar)

Test site type: Shielded room

Reference Standard: FCC Part15 Subpart B , Class B

Test and measurement equipment (Main equipment)

Model name	Manufacturer	Description	Serial No.
3825/2	EMCO	LISN	9206-1971
ESHS30	Rohde Schwarz	Field strength meter	828144/002
-	-	-	-

Frequency Band 450KHz - 30MHz

Instrument settings IF Band Width : 9KHz

Test data sheet (Quasi-Peak reading)

Frequency [MHz]	Correction Factor		Line	Quasi-peak				Average			
	LISN	Cable		Limit	Reading	Result	Margin	Limit	Reading	Result	Margin
				[dBuV]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dB]
4.00	0.30	0.10	H	48.00	23.90	24.30	23.70				
10.16	0.30	0.20	H	48.00	24.00	24.50	23.50				
10.79	0.20	0.20	H	48.00	22.40	22.80	25.20				
11.13	0.20	0.20	H	48.00	25.30	25.70	22.30				
11.67	0.30	0.30	H	48.00	24.90	25.50	22.50				
18.13	0.30	0.20	H	48.00	23.70	24.20	23.80				
22.12	0.60	0.30	H	48.00	27.00	27.90	20.10				
23.33	0.60	0.40	H	48.00	37.00	38.00	10.00				
24.98	0.60	0.40	H	48.00	25.10	26.10	21.90				
25.18	0.60	0.40	H	48.00	25.90	26.90	21.10				
27.22	0.50	0.40	H	48.00	25.20	26.10	21.90				
27.85	0.40	0.40	H	48.00	24.70	25.50	22.50				

Comment: -



Test data graphic

