

TEST RESULT SUMMARY

FCC Part 15 Subpart C Section 15.231 IC RSS-210 Issue 6

MANUFACTURER BodySound Technologies

NAME OF EQUIPMENT Remote control for BodySound home entertainment chair

MODEL NUMBER BDSYR001

MANUFACTURER'S ADDRESS 10230 West 70th Street

Eden Prairie, MN., 55344

TEST REPORT NUMBER WC603155.1

TEST DATE 1 June 2006

According to testing performed at TÜV America Inc, the above-mentioned unit is in compliance with the applicable electromagnetic compatibility (EMC) portions of the requirements defined in FCC Part 15 Subpart C Section 15.231 and Industry Canada RSS-210 Issue 6 Section 2

It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics. Any modifications necessary for compliance made during testing on the above mentioned date(s) must be implemented in all production units for compliance to be maintained.

TÜV America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the applicable EMC requirements of FCC Part 15 Subpart C Section 15.231 "Periodic operation in the band 40.66–40.70 MHz and above 70 MHz" and Industry Canada RSS-210 Issue 6 "Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment".

Date: 05 July 2006

Location: Taylors Falls MN JC Sausen

USA EMC Technician Senior EMC Engineer

CSausan

JT Schneider

Not Transferable

TÜV America Inc 19333 Wild Mountain Road Taylors Falls MN 55084-1758 Tel: 651 638 0297 Fax: 651 638 0298 Rev 062906



EMC Emission - TEST REPORT

Test Report File No.	: WC60315	5.1	Date of issue:	05 July 200	06
Model / Serial nos.	BDSYR00	01 /			
Product Name	: Remote o	ontrol for Bo	dySound hom	e entertainm	ent chair
Product Type	: Remote o	ontrol transc	eiver		
Applicant	: BodySou	nd Technolog	gies		
Manufacturer	: BodySou	nd Technolog	gies		
License Holder	: BodySou	nd Technolog	gies		
Address	•	est 70th Stree irie, MN., 553			
Test Result		□ Positive		Negative	
Test Project Number Reference(s)		: WC60315	5.1		
Total pages including Ap	ppendices	26			

TÜV America Inc reports apply only to the specific samples tested under stated test conditions. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. TÜV America Inc shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV America Inc issued reports.

This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval. This report shall not be used by the client to claim product endorsement by NVLAP, NIST, or any agency of the US government.

TÜV America Inc and its professional staff hold government and professional organization certifications and are members of AAMI, ACIL, AEA, ANSI, IEEE, NVLAP, and VCCI

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EMISSIONS TEST REGULATIONS:

□ - EN 50081-1 / 1991
□ - EN 55011 / 1991
□ - Group 1
□ - Group 2
□ - Class A
□ - Class B

The emissions tests were performed according to following regulations:

□ - EN 55014 / 1987 □ - Household appliances and similar □ - Portable tools

☐ - Semiconductor devices

□ - EN 55014 / A2:1990
□ - EN 55014 / 1993
□ - Household appliances and similar

☐ - Portable tools ☐ - Semiconductor devices

□ - EN 55015 / 1987 □ - EN 55015 / A1:1990 □ - EN 55015 / 1993

□ - EN 55022 / 1987 □ - Class A □ - Class B
□ - EN 55022 / 1991 □ - Class A □ - Class B

□ - BS
□ - VCCI □ - Class A □ - Class B

□ - FCC Part 15 Subpart B □ - Class A □ - Class B ■ - FCC Part 15 Subpart C

□ - CISPR 11 (1990) □ - Group 1 □ - Group 2 □ - Class A □ - Class B

□ - CISPR 22 (1993) □ - Class A □ - Class B

■ - IC RSS-210 Issue 6

RF Exposure Statement

The model BDSYR001 complies with RF exposure limits for humans as called out in FCC 2.1091 and IC RSS-102 2.5.2 (mobile >20 cm) or FCC 2.1093 and IC RSS-102 2.5.1 (portable <20 cm). Based on the highest field strength measured using a peak detector. The device is exempt from RF Evaluation because of it's operating frequency of 433.9 MHz and ERP of 20.9 μ W peak based on;

ERP = E (dBuV/m) - 106.92 + 20 log D (km) = 80.58 dB μ V/m pk - 106.92 + 20 log .003 = -76.8 dBk = 20.9 μ W peak.

This is less than the 1.5 W requirement for a mobile device, or the 200 mW requirement for a portable device.

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Deactivation time, FCC 15.231(a)(1), IC RSS-210 A1.1.1

Test summary

The requirements are: ■ - MET □ - NOT MET

The device deactivates the transmitter 5 seconds after a keypad button is released

Test limit

Transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

Manufacturer's statement

The BodySound chair complies with paragraph (a) of FCC 15.231. The system now deactivates the transmitter 5 seconds after a keypad button is released.

Don Hanson, BodySound Technologies

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Field strength of emissions, FCC 15.231(b), IC RSS-210 A1.1.2

Test summary

The requirements are: ■ - MET □ - NOT MET

Minimum margin of compliance for the fundamental transmit signal is 41.0 dB at 433.9 MHz

Minimum margin of compliance for the spurious emissions is 19.2 dB at 1302 MHz (peak msrmnt. vs. avg. limit)

Test location

■ - Wild River Lab Large Test Site (Open Area Test Site)

☐ - Wild River Lab Small Test Site (Open Area Test Site)

Test Distance

■ - 3 meters

☐ - 10 meters

Test equipment

TUV ID	Model Number	Manufacturer	Description	Serial Number	Cal Due
3204	EM-6917B	Electro-Metrics	Biconicalog Periodic	102	19-Oct-06
2075	3115	Electro-Mechanics (EMCO)	Ridge Guide Ant. 1-18 GHz	9001-3275	07-Dec-06
2670	8447D	Hewlett-Packard	Preamplifier	2443A03954	Code B
3958	SL18B4020	Phase One Microwave	Preamplifier 1 – 18 GHz	0002	Code B
3895	NHP-600	Mini-Circuits	30-600 MHz Stopband Filter	3	Code B
2684	85650A	Hewlett-Packard	Quasi-Peak Adapter	2521A01006	15 Mar 07
2690	8566B	Hewlett-Packard	Spectrum Analyzer	2430A00930	12 May 07
2673	85662A	Hewlett-Packard	Analyzer Display	2152A03687	12 May 07
Cal Cod	le B = Calibration ve	rification performed internally.			

Test limit

Fundamental	Field strength fundamental	Field strength
frequency (MHz)	μV/m	spurious μV/m
40.66 - 40.70	2250	225
70 - 130	1250	125
130 - 174	1250 - 3750*	125 - 375*
174 - 260	3750	375
260 - 470	3750 - 12500*	375 - 1250*
Above 470	12500	1250

^{*} Linear interpolations.

 $80.8 \text{ dB}_{\mu}\text{V/m}$ average at 433.9 MHz

54 dB_μV/m average at 1302 MHz (restricted band)

15.205 class B limit within restricted bands

Test Data

Pages A2 - A3

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Bandwidth, FCC 15.231(c), IC RSS-210 A1.1.3

Test summary

The requirements are: ■ - MET □ - NOT MET 20 dB bandwidth ≤ 480 kHz 99% Occupied bandwidth = 69.4 kHz

Test location

■ - Wild River Lab Large Test Site (Open Area Test Site)
□ - Wild River Lab Small Test Site (Open Area Test Site)

Test equipment

TUV ID	Model Number	Manufacturer	Description	Serial Number	Cal Due
3204	EM-6917B	Electro-Metrics	Biconicalog Periodic	102	19-Oct-06
3367	E4440A	Agilent	Spectrum Analyzer	MY43362222	02-Sep-06

Test limit

No wider than 0.25% of the center frequency or 1.08 MHz

Test Data

Pages A4 - A5

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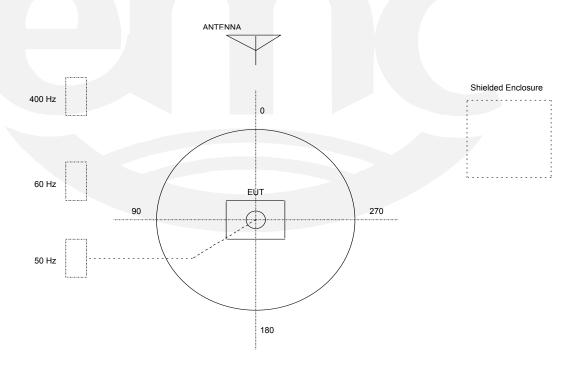


TEST SETUP FOR EMISSIONS TESTING

WILD RIVER LAB Large Test Site

Notes:

- 1. Items shown in dotted lines are located on the floor below the test area. It is 5 meters vertically from the ground floor to the test area.
- 2. 50 Hz, 60 Hz, and 400 Hz are power panels for alternating current.
- 3. The antenna may be positioned horizontally 3, 10 or 30 meters from the center of the turntable.
- 4. The circle is a 6.7 meter diameter turntable.
- 5. A ground plane is in the plane of this sheet.
- 6. The test sample is shown in the azimuthal position representing zero degrees.





Test setup photo, radiated emissions





Test setup photo, radiated emissions





Test Operation Mode:

The device under test was operated under the following conditions during emissions testing:

■ - Theatre mode



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DEVIATIONS FROM STANDARD : None.	:			
GENERAL REMARKS: None				
Modifications required to pass: ■ None □ As indicated on the data sheet(s)				
Test Specification Deviations: Additions to ■ None □ As indicated in the Test Plan	to or Exclusions from:			
SUMMARY:				
The requirements according to the technic	cal regulations are			
 ■ - met □ - not met. The device under test does ■ - fulfill the general approval requirements mentioned on page 3. □ - not fulfill the general approval requirements mentioned on page 3. 				
EUT Received Date:	1 June, 2006			
Condition of EUT:	Normal			
Testing Start Date:	1 June, 2006			
Testing End Date:	1 June, 2006			
- TÜV AMERICA INC -				
JC Sausen	Joel T. Sohneisen			

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TÜV AMERICA INC 19333 Wild Mountain Road

EMC Technician

Taylors Falls MN 55084-1786 Tel: 651 638 0297

Senior EMC Engineer

Fax: 651 638 0298



Appendix A

Test Data Sheets



RADIATED EMISSIONS



Test Report	#: WC60315	55 Run 2	Test Area:	LTS		America
EUT Model :	#: BDSYR00	01	Date:	6/1/2006		
EUT Serial :	 #:		EUT Power:	110VAC / 60Hz	Temperature	: 22.0 °C
Test Metho	d: FCC 15.2	31			Air Pressure	: <u>99.0</u> kPa
Custome	er: Body Sou	ind			Rel. Humidity	: 51.0 %
EUT Description	n: 433 MHz	Transmitter - Remote Contro	ol Unit			
Note	s:					
Data File News					D	
Data File Name	e. <u>3155.uat</u>				17	age: 1 of 2
ist of mea	asureme	nts for run #: 2				
FREQ	LEVEL	CABLE / ANT / PREAMP	P / FINAL	POL / HGT / AZ	DELTA1	DELTA2
	(dBuV)	ATTEN	(dBuV / i			
JT maxed throu	iah 3 avie:	(dB)				
1.302 GHz	56.7 Pk	3.18 / 25.08 / 50.66 / 0.4	8 34.78	V / 1.00 / 95	n/a	n/a
1.302 GHz	47.59 Av	3.18 / 25.08 / 50.66 / 0.4		V / 1.00 / 95	n/a	n/a
				17007.00		
33.889 MHz	62.45 Pk	1.74 / 16.39 / 0.0 / 0.0	80.58	H / 1.00 / 95	n/a	n/a
33.889 MHz	32.55 Pk	1.74 / 16.39 / 0.0 / 0.0	50.68	V / 1.00 / 95	n/a	n/a
33.889 MHz	12.89 Av	1.74 / 16.39 / 0.0 / 0.0	31.02	V / 1.00 / 95	n/a	n/a
33.889 MHz	21.7 Av	1.74 / 16.39 / 0.0 / 0.0	39.83	H / 1.00 / 95	n/a	n/a
n spurious or fu	rther harmonic	emissions detected 30 MH	z to 4500 MHz	vert and hor ant		

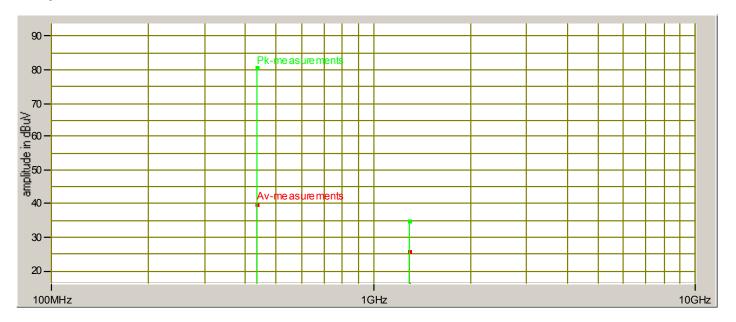
Tested by:	GSJ, JCS	Il Sauson
	Printed	Signature
Reviewed by:	Greg Jakubowski	Il Japubourhi
	Printed	Signature

RADIATED EMISSIONS



Test Report #:	WC603155 Run 2	Test Area:	LTS				
EUT Model #:	BDSYR001	Date:	6/1/2006				
EUT Serial #:		EUT Power:	110VAC / 60Hz	Temperat	ture:	22.0	°C
Test Method:	FCC 15.231			Air Press	sure:	99.0	kPa
Customer:	Body Sound			Rel. Humi	dity:	51.0	%
EUT Description:	433 MHz Transmitter - Remote Contro	ol Unit					
Notes:						T	
Data File Name:	3155.dat				Page:	2 of	2

Graph:

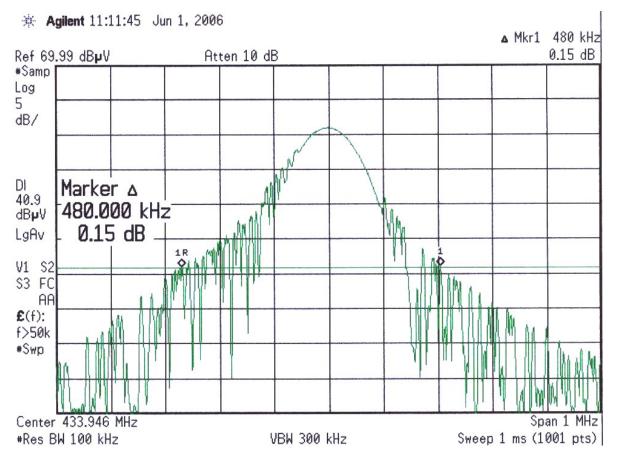


Tested by:	GSJ, JCS	IC Sausan
	Printed	Signature
Reviewed by:	Greg Jakubowski	Il Japubowski
	Printed	Signature

Bandwidth



Test Report #:	WC603155 Run 2	Test Area:	LTS	-		America	
EUT Model #:	BDSYR001	Date:	6/1/2006	-			
EUT Serial #:		EUT Power:	110VAC / 60Hz	Tempera	ture:	22.0	°C
Test Method:	FCC 15.231			Air Press	sure:	99.0	kPa
Customer:	Body Sound			Rel. Hum	idity:	51.0	%
EUT Description:	433 MHz Transmitter - Remote Contr	ol Unit					
Notes:					1	1	
Data File Name:	3155.dat				Page:	1 of	2



Tested by:	GSJ, JCS	& C. Sausan
	Printed	Signature
Reviewed by:	Greg Jakubowski	Il Jakubawshi
	Printed	Signature

Bandwidth



Test Report #:	WC603155 Run 2	Test Area:	LTS			America	
EUT Model #:	BDSYR001	Date:	6/1/2006				
EUT Serial #:		EUT Power:	110VAC / 60Hz	Temper	rature: _	22.0	°C
Test Method:	FCC 15.231			Air Pre	ssure: _	99.0	kPa
Customer:	Body Sound			Rel. Hur	midity:	51.0	%
EUT Description:	433 MHz Transmitter - Remo	ote Control Unit					
Notes:							
Data File Name:	3155.dat			_	Page	: 2 of	2
Ref 17	gilent 10:16:59 Jun 1, 200 7.6 µV At	6 ten 10 dB		▲ Mkr1	69.4 kH 96.64 7	200	
#Samp Lin]	
						1	
						1	
DI 17.03 p V VAvg	Marker Δ 69.400 kHz 96.64 %						
V1 S2 S3 FC AA £ (f):						-	
f>50k #Swp		1R	1				
Center	433.946 1 MHz	Anton part of the part of the state of the s	Mary Mary Mary Mary Mary Mary Mary Mary	Span	604 kH	z	
	5.6 kHz	VBW 16 kHz	Sweep	58.47 ms (1)			
Tested by:	GSJ, JCS		Sausan Signature				
	Printed		Signature				
Reviewed by:	Greg Jakubowski	L	Japubourks	<i>(</i> :			

Signature

Printed



Appendix B

Constructional Data Form

and

Block Diagram



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America

IN MODIFICATIONS TO	THE EQUIPMENT, PLEASE SUBMIT A will be input into your test report as	REVISED TP/CDF INI	OT APPLICABLE. IF TESTING RESULTS DICATING THOSE MODIFICATIONS. the F1 key at any time to get HELP for
Company:	BodySound Technologies		
Address:	10230 West 70th Street		
	Eden Prairie, MN., 55344		
Contact:	Del Mattson	Position:	Project Manager
Phone:	952-943-4041	Fax:	952-944-6355
E-mail Address:	dmattson@oneredriver.com		
General Equipment	: Description NOTE: This inform	nation will be input in	to your test report as shown below.
EUT Description	Home entertainment chair wit		
EUT Name	BodySound Home Entertainm	•	
Model No.:	Deluxe chair.	Serial No.:	
Product Options:	With an audio Dis	stribution amplifier.	
Configurations to be	tested: Deluxe chair with	an audio Distribut	ion amplifier.
	mit revised TP/CDF after testing is co		s last tested. If modifications are made
Modifications made			
Wodincations made t	during test.		
	Please indicate the tests to be perform		licable standard(s) where noted.
☐ EMC Directive 89 Std:	0/336/EEC (EMC) ∑] FCC: Cla] VCCI: Cla	
	ve 89/392/EEC (EMC] BSMI: Cla	
Std:	hiroptive 03/43/EEC (EMC)	Canada: Cla Australia: Cla	
Std:	Pirective 93/42/EEC (EMC)] Australia: Cla] Other:	ass A B
☐ Vehicle Directive Std:	72/245/EEC (EMC)		
	Guidance for Premarket		
Notification Sub	omissions (EMC)		
Third Party Certific	ation, if applicable (*Signature	e on Page 6 Requ	ired)
Attestation of Cor	nformity (AoC)*	☐ EMC Certifica	tion (used with Octagon Mark)*
Certificate of Con	formity (CoC)* (N/A for vehicles)	☐ Compliance D☒ Class I	ocument* Class II Class III
(Press F1 when field is se	lected to show additional information on Prot	ection Class.)	
FCC / TCB Certifi E-Mark Certificati			da / FCB Certification cation

FILE: EMCU_F09.02E, REVISION 4, Effective: 19 Feb 2005



Attendance
Test will be: Attended by the customer Unattended by the customer
Failure - Complete this section if testing will not be attended by the customer.
If a failure occurs, TÜV America should: Call contact listed above, if not available then stop testing. (After hrs phone): Continue testing to complete test series. Continue testing to define corrective action. Stop testing.
EUT Specifications and Requirements
Length: 36" Width: 36" Height: 48" Weight: 200 lbs
Power Requirements
Regulations require testing to be performed at typical power ratings in the countries of intended use. (i.e., European power is typically 230 VAC 50 Hz or 400 VAC 50 Hz, single and three phase, respectively)
Voltage: 110/230VAC (If battery powered, make sure battery life is sufficient to complete testing.)
of Phases: 1
Current Current (Amps/phase(max)): 2 (Amps/phase(nominal)): 1
Other
Other Special Requirements
Typical Installation and/or Operating Environment
(ie. Hospital, Small Business, Industrial/Factory, etc.)
Used in a residential area.
EUT Power Cable
☐ Permanent OR ☒ Removable Length (in meters): 3
☐ Shielded OR ☐ Unshielded ☐ Not Applicable

FILE: EMCU_F09.02E, REVISION 4, Effective: 19 Feb 2005 Page 2 of 6



America

EUT Interface Ports and Cables														
LOT IIILEITAC	9 FC	zi to	Du	ring	aul	-3		Shielding				р _. _	0	
Туре	Analog	Digital		Passive 18	Qty	Yes	No	Type	Termination	Connector Type	Port Termination	Length tested (in meters)	Removable	Permanent
EXAMPLE: RS232		×	×		2	×		Foil over braid	Coaxial	Metallized 9- pin D-Sub	Characteristic Impedance	6	×	_
														<u> </u>
-														丁
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EUT Software.		

Revision Level: V 1.05

Description:

Equipment Under Test (EUT) Operating Modes to be Tested -- list the operating modes to be used during test. It is recommended the equipment be tested while operating in a typical operation mode. FCC testing of personal computers and/or peripherals requires that a simple program generate a complete line of upper case H's. Provide a general description of all software, firmware, and PLD algorithms used in the equipment. List all code modules as described above, with the revision level used during testing. Consult with your TÜV Product Service Representative if additional assistance is required.

- 1. Theater Mode
- 2.
- 3.

Equipment Under Test (EUT) System Components -- List and describe all components which are part of the EUT. For FCC & Taiwan testing a minimum configuration is required. (ie. Mouse, Printer, Monitor, External Disk Drive, Motherboard, etc)

Description	Model #	Serial #	FCC ID #
Chair	BDSYC001	C0010606000001	
Power Supply	BDSYP001	P0010606000001	
Remote Control	BDSYR001	R0010606000001	
Distribution Amplifier	BDSYD001	D0010606000001	

FILE: EMCU_F09.02E, REVISION 4, Effective: 19 Feb 2005



Support Equiport This information is						t which is not part	of the EUT. (i.e. peripherals, simulators, etc)		
Description				Mode	el# S	Serial #	FCC ID #		
Compact Disk Player			D-E	351	1027702				
Oscillator Free	quer	ncies							
Frequency		ived quency		Com	ponent # / Location		Description of Use		
433.92 MHz				U2 (on the amplifier PC	CB.	TR3000 transceiver by RF Monolithics		
24.5 MHz					on the amplifier PC	CB.	C8051F310 microcontroller.		
433.92 MHz					on the Remote Co	ntrol PCB.	TR3000 transceiver by RF Monolithics		
24.5 MHz				U2 (on the Remote Co	ntrol PCB.	C8051F314 microcontroller.		
Power Supply	,								
Manufacturer		Model	#		Serial #	Туре			
BodySound Technologies		BDS'	YP001	1	P00106060000 01	☐ Switched-	mode: (Frequency) Other:		
						Switched-	mode: (Frequency)		
Power Line Fi	Iters	•							
Manufacturer			Mode	o/ #		Location in EUT			
Corcom				SXDS	360	In power supp	ly.		
				•					



Critical EMI Compo	Critical EMI Components (Capacitors, ferrites, etc.)								
Description	Manufacturer	Part # or Value	Qty	Component # / Location					
•									
FMC Critical Detail	Describe other EMC Design	details used to reduce his	ah freguenci	v noise					
		,		,					
(PLEASE INSERT "	ELECTRONIC SIGNATU	RE" BELOW IF POS	SSIBLE)						
Authorization Sign	atures (Signature Requi	red for Certification	ns check	ed on pa 1)					
7.0.0	ataros (orginataro resqui			ou on pg 1,					
Customer author	ization to perform tests	Date							
	•	Batto							
according to this	test platt.								
Test Plan/CDF P	repared By (please print)	Date							



EMC Block Diagram Form

System Configuration Block Diagram -- Provide a line drawing identifying the EUT, simulators, support equipment, I/O cables, power cables, and any other pertinent components to be used during testing. Use a dashed line to separate the equipment in the testing field versus equipment outside testing field. Remote Control DC power cable AC power cable Power Body Sound Chair Supply 3.5mm Input RCA Input cable cable Audio Distribution CD Amplifier Player (Optional)

Authorization Signatures		
Customer authorization to perform tests according to this test plan.	Date	
Test Plan/CDF Prepared By (please print)	Date	



Appendix C

Measurement Protocol





MEASUREMENT PROTOCOL

Environmental conditions in the lab, (TUV)

Temperature: 22° C Relative Humidity: 51 %

Atmospheric pressure: 99.0 kPa

Test Methodology

Emissions testing is performed according to the procedures in ANSI C63.4-2003.

Measurement Uncertainty

The test system for conducted emissions is defined as the LISN, tuned receiver or spectrum analyzer, and coaxial cable. The test system has a measurement uncertainty of ±1.8 dB. The test system for radiated emissions is defined as the antenna, the pre-amplifier, the spectrum analyzer and the coaxial cable. The test system has a measurement uncertainty of ±4.8 dB. The equipment comprising the test systems is calibrated on an annual basis.

Justification

The Equipment Under Test (EUT) is configured in a typical user arrangement in accordance with the manufacturer's instructions. A cable is connected to each available port and either terminated with a peripheral into its characteristic impedance or left unterminated. When appropriate, the cables are manually manipulated with respect to each other to obtain maximum emissions from the unit.

Radiated Emissions

Radiated emissions from the EUT are measured in the frequency range of 30 to 1000 MHz using a spectrum analyzer and appropriate broadband linearly polarized antennas. Measurements between 30 MHz and 1000 MHz are made with 120 kHz/6 dB resolution/video bandwidths and quasi-peak, average or peak detection. Measurements above 1000 MHz are made with a 1 MHz/6 dB resolution bandwidth, and a peak (1 MHz vbw)/average (10 Hz vbw) detection. Tabletop equipment is placed on a 1.0 X 1.5 meter non-conducting table 80 centimeters above the ground plane. Floor standing equipment is placed directly on the turntable/ground plane. Interface cables that are closer than 40 centimeters to the ground plane are bundled in the center in a serpentine fashion so they are at least 40 centimeters from the ground plane. Cables to simulators/testers (if used in this test) are routed through the center of the table and to a screen room located outside the test area. The antenna is positioned 3 meters horizontally from the EUT. To locate maximum emissions from the test sample the antenna is varied in height from 1 to 4 meters, measurement scans are made with both horizontal and vertical antenna polarizations and the EUT are rotated 360 degrees. Intentional radiators are rotated through three orthogonal axes to determine the attitude that maximizes the emissions.

The final level, in $dB_{\mu}V/m$, equals the reading from the spectrum analyzer (Level $dB_{\mu}V$), adding the antenna correction factor and cable loss factor (Factor dB) to it, and subtracting the preamp gain (and duty cycle correction factor, if applicable). This result then has the limit subtracted from it to provide the Delta, which gives the tabular data as shown in the data sheets in Attachment A.

Example:

FREQ (MHz)	LEVEL (dBuV)	CABLE/ANT/PREAMP (dB) (dB/m) (dB)	· · · · · · · · · · · · · · · · · · ·	POL/HGT/AZ (m) (deg)	DELTA1
60.80	42.5Qp +	1.2 + 10.9 - 25.5 =	29.1	V 1.0 0.0	-10.9

Test Equipment

All measurement instrumentation is traceable to the National Institute of Standards and Technology and is calibrated according to internal procedure.

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