

Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

Test Report

Product Name: Warbeast Guitar

FCC ID: TW8DG1334A

MODEL NO. : DG PS3-1334

Applicant:

DreamGEAR LLC
DreamGEAR LLC,20001 S, Western Avenue, Torrance, CA 90501

Date Received: 11/20/2008

Date Tested: 11/19/2008

APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

TABLE OF CONTENTS

APPLICANT: DreamGEAR LLC

FCC ID: TW8DG1334A

TEST REPORT CONTAINING:

PAGE	1TEST EQUIPMENT LIST
PAGE	2TEST PROCEDURE
PAGE	3-5power line conducted interference and plots
PAGE	6-7RADIATION INTERFERENCE TEST DATA
PAGE	8-11Occupied Bandwidth and Band Edge Compliance

EXHIBIT INCLUDED:

PAGE 1BLOCK DIAGRAM	
PAGE 2SCHEMATIC	
PAGE 3USERS MANUAL	
PAGE 4LABEL SAMPLE	
PAGE 5LABEL LOCATION	
PAGE 6EXTERNAL PHOTOGRAPHS	
PAGE 7INTERNAL PHOTOGRAPHS	
PAGE 8OPERATIONAL DESCRIPTION	
PAGE 9TEST SET UP PHOTOGRAPHS	

APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

EMC Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.
					Interval
EMI Test Receiver			100492	Apr 05,2008	1 Year
LISN	ROHDE&SCHWARZ	ENV216	100093	Apr 05,2008	1Year
EMI Test Receiver	ROHDE&SCHWARZ	ESCI	101202	Apr 05,2008	1 Year
Spectrum Analyzer	ANRITSU	MS2651B	6200238316	Apr 05,2008	1 Year
50 Coaxial Switch	ANRITSU CORP	MP59B	6200283933	Apr 05,2008	1 Year
Bilog Antenna	Sunol	JB3	A121206	Apr 05,2008	1 Year
Horn Antenna	EMCO	3115	640201028-0 6	Apr 05,2008	1 Year
50 Coaxial Switch	ANRITSU CORP	MP59B	6200283933	Apr 05,2008	1 Year
Cable	Resenberger	N/A	NO.1	Apr 05,2008	1 Year
Cable	SCHWARZBECK	N/A	NO.2	Apr 05,2008	1 Year
Cable	SCHWARZBECK	N/A	NO.3	Apr 05,2008	1 Year
Single Phase Power	Kikusui	LIN40MA-PC	LM002352	Apr 05,2008	1Year
Line Filter		R-L			
AC Power Source	Kikusui	AC40MA	LM003232	Apr 05,2008	1Year
Test analyzer	Kikusui	KHA1000	LM003720	Apr 05,2008	1Year
ESD Tester	Kikusui	KES4021	LM003537	Apr 05,2008	1 Year
Signal Generator	IFR	2032	203002/100	Apr 05,2008	1 Year
Amplifier	A&R	150W1000	301584	NCR	NCR
Dual Directional Coupler	A&R	DC6080	301508	Apr 05,2008	1 Year
Power Head	A&R	PH2000	301193	Apr 05,2008	1 Year
Power Meter A&R		PM2002	302799	Apr 05,2008	1 Year
Field Monitor A&R		FM5004	300329	Apr 05,2008	1 Year
Field Probe	Field Probe A&R		300221	Apr 05,2008	1 Year
EMCPRO System EM Test		UCS-500-M4	V064810202 6	Apr 05,2008	1 Year
EMCPRO System	EM Test	UCS-500-M4	V064810202 6	Apr 05,2008	1 Year

Remark:

Test Firm Name: Most Technology Service Co., Ltd.

Test Firm Address:

No. 5, 2nd Langshan Road, North District, Hi-tech Industrial Pa

rk, Nanshan, Shenzhen, Guangdong, China

FCC Registered Test Site Number: 490827

APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

TEST PROCEDURE

GENERAL: This report shall NOT be reproduced except in full without the written approval of MOST TECHNOLOGY SERVICE CO., LTD. The EUT was transmitting a test signal during the testing.

POWER LINE CONDUCTED INTERFERENCE: The test procedure used was ANSI Standard C63.4-2003 using a 50 U H LISN. Both Lines were observed. The bandwidth of the receiver was 10kHz with an appropriate sweep speed. The ambient temperature of the EUT was 25 with a humidity of 58%.

RADIATION INTERFERENCE: The test procedure used was ANSI Standard C63.4-2003 using a ANRITSU spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a micro volt at the output of the antenna. The resolution bandwidth was 100 kHz and the video bandwidth was 300 kHz up to 1 GHz and 1 MHz with a video BW of 3 MHz above 1 GHz. The ambient temperature of the EUT was 25 with a humidity of 58%.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer and cable loss. The antenna correction factors and cable loss are stated in terms of dB. The gain of the Pre-selector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES: The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to 10th harmonic of the fundamental.

Peak readings were taken in three (3) orthogonal planes and the highest readings were converted to average readings based on the duration of "ON" time.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

The situation was similar for the conducted measurement except that the table did not rotate. The EUT was setup as described in ANSI Standard C63.4-2003 10.1.7 with the EUT 40 cm from the vertical ground wall.

APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

APPLICANT: DreamGEAR LLC

FCC ID: TW8DG1334A

NAME OF TEST: POWER LINE CONDUCTED INTERFERENCE

RULES PART NUMBER: 15.207

REQUIREMENTS:

0.15-0.5 66 to 56 * 56 to 46 * 0.5-5 56 5-30 60 50

TEST PROCEDURE: ANSI STANDARD C63.4-2003

THE HIGHEST EMISSION READ FOR LINE 1 WAS 41.93dBuv @ 0.59MHz.

THE HIGHEST EMISSION READ FOR LINE 2 WAS 42.45dBuV @ 3.77MHz.

THE PLOTS ON THE NEXT PAGE REPRESENT THE EMISSIONS READ FOR POWER LINE CONDUCTED FOR THIS DEVICE.

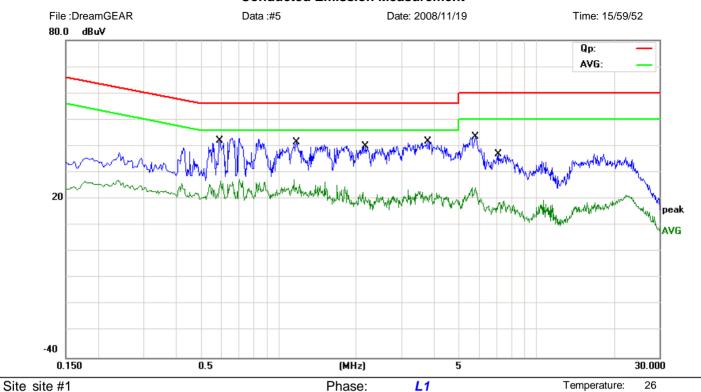
APPLICANT: DreamGEAR LLC

^{*} Decreases with the logarithm of the frequency.

Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong, China

Tel: 0755-86170306 Fax: 0755-86170310

Conducted Emission Measurement



Power: DC 5V from PS3 Input AC 120V/60Hz

60 %

Humidity:

Limit: FCC Part 15C Conduction(QP)

EUT: Warbeast Guitar

Note:

M/N: DG PS3-1334 Mode: Running

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.5940	31.93	10.00	41.93	56.00	-14.07	QP	
2		1.1820	31.49	9.82	41.31	56.00	-14.69	QP	
3		2.1860	30.87	9.19	40.06	56.00	-15.94	QP	
4		3.8180	31.05	10.82	41.87	56.00	-14.13	QP	
5		5.8300	32.02	11.50	43.52	60.00	-16.48	QP	
6		7.1500	26.39	10.71	37.10	60.00	-22.90	QP	

APPLICANT: DreamGEAR LLC

FCC ID: TW8DG1334A Page 4 of 6

^{*:}Maximum data x:Over limit !:over margin

Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

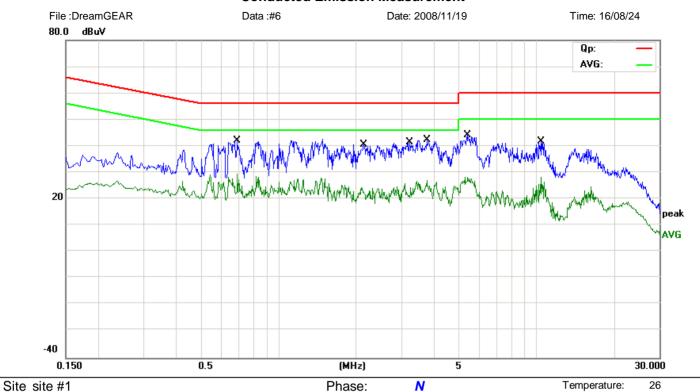
Power: DC 5V from PS3 Input AC 120V/60Hz

60 %

Humidity:

Tel: 0755-86170306 Fax: 0755-86170310

Conducted Emission Measurement



Limit: FCC Part 15C Conduction(QP)

EUT: Warbeast Guitar M/N: DG PS3-1334 Mode: Running

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.6938	31.99	10.00	41.99	56.00	-14.01	QP	
2	2.1538	31.33	9.15	40.48	56.00	-15.52	QP	
3	3.2300	31.19	10.23	41.42	56.00	-14.58	QP	
4 *	3.7740	31.68	10.77	42.45	56.00	-13.55	QP	
5	5.4298	32.50	11.74	44.24	60.00	-15.76	QP	
6	10.4260	32.68	9.00	41.68	60.00	-18.32	QP	

*:Maximum data x:Over limit !:over margin

APPLICANT: DreamGEAR LLC

FCC ID: TW8DG1334A Page 5 of 6



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

APPLICANT: DreamGEAR LLC

FCC ID: TW8DG1334A

NAME OF TEST: RADIATION INTERFERENCE

RULES PART NUMBER: 15.249, 15.209

REQUIREMENTS:

FIELD STRENGTH of FIELD STRENGTH S15.209

Fundamental: of Harmonics

902-928 MHz 30-88 MHz 40 dBuV/m @3m

2.4-2.4835 GHz 88-216 MHz 43.5

216-960 MHz 46

EMISSIONS RADIATED OUTSIDE OF THE SPECIFIED FREQUENCY BANDS, EXCEPT FOR HARMONICS, SHALL BE ATTENUATED BY AT LEAST 50 Db BELOW THE LEVEL OF THE FUNDAMENTAL OR TO THE GENERAL RADIATED EMISSION LIMITS IN 15.209, WHICHEVER IS THE LESSER ATTENUATION.

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

Frequency	Antenna	Emission	Level (dBuV/m)	FCC 15 Subpart C
(MHz)	Polarization	Avg	QP	Peak	Limit(dBuV/m)
			2410.00MHz		
102.75	Vertical	I	1	24.24	40.5
				31.34	43.5
2410.00	Vertical			72.01	94.0
4820.00	Vertical			30.11	54.0
7230.10	Vertical			31.34	54.0
12050.20	Vertical			29.09	54.0
103.15	Horizontal			31.60	43.5
2410.00	Horizontal			73.56	94.0
4820.00	Horizontal			31.09	54.0
7230.10	Horizontal			30.50	54.0
12050.20	Horizontal		32.09	34.94	54.0
	•		2440.00MHz	<u>.</u>	•
103.03	Vertical		29.03	31.27	43.5
2440.00	Vertical			73.43	94.0
4880.10	Vertical			32.24	54.0
7320.20	Vertical			31.80	54.0
12200.30	Vertical			32.19	54.0
101.04	Horizontal			31.60	43.5
2440.00	Horizontal			73.51	94.0
4880.10	Horizontal			30.23	54.0
7320.20	Horizontal			30.52	54.0
12200.30	Horizontal		32.01	34.29	54.0

APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

APPLICANT: DreamGEAR LLC

FCC ID: TW8DG1334A

NAME OF TEST: RADIATION INTERFERENCE

RULES PART NUMBER: 15.249, 15.209

REQUIREMENTS:

FIELD STRENGTH of FIELD STRENGTH S15.209

Fundamental: of Harmonics

902-928 MHz 30-88 MHz 40 dBuV/m @3m

2.4-2.4835 GHz 88-216 MHz 43.5 216-960 MHz 46

EMISSIONS RADIATED OUTSIDE OF THE SPECIFIED FREQUENCY BANDS, EXCEPT FOR HARMONICS, SHALL BE ATTENUATED BY AT LEAST 50 Db BELOW THE LEVEL OF THE FUNDAMENTAL OR TO THE GENERAL RADIATED EMISSION LIMITS IN 15.209, WHICHEVER IS THE LESSER ATTENUATION.

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

Frequency	Antenna	Emission Level (dBuV/m)			FCC 15 Subpart C
(MHz)	Polarization	Avg	QP	Peak	Limit(dBuV/m)
			2470.00MHz		
102.13	Vertical			32.19	43.5
2470.00	Vertical			74.21	94.0
4940.10	Vertical			30.06	54.0
7410.20	Vertical			29.01	54.0
12350.20	Vertical			31.41	54.0
103.05	Horizontal			31.07	43.5
2470.00	Horizontal			73.56	94.0
4940.10	Horizontal			31.12	54.0
7410.20	Horizontal			30.19	54.0
12350.20	Horizontal			32.44	54.0

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

TEST PROCEDURE: ANSI Standard C63.4-2003 using a ANRITSU spectrum analyzer with a pre-selector and an appropriate antenna. The resolution bandwidth of spectrum analyzer was 100 kHz below 1 GHz and 1 MHz above 1 GHz. An appropriate sweep speed was used. When an emission was found, the table was rotated to produce the maximum signal strength. The antenna was placed in both the horizontal and vertical planes and the worse case emissions were reported. The spectrum was searched to at least the tenth (10) harmonic of the fundamental.

APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

APPLICANT: DreamGEAR LLC

FCC ID: TW8DG1334A

NAME OF TEST: Occupied Bandwidth and Band Edge Compliance

RULES PART NUMBER: 15.249, 15.209

REQUIREMENTS: The field strength of any emissions appearing outside the band

edges and up to 10 kHz above and below the band edges shall be attenuated at least 50 dB below the level of the carrier or to

the general limits of 15.209.

Band edge emissions plots are included on the following pages

METHOD OF MEASUREMENT: A small sample of the transmitter output was fed into the Spectrum analyzer and the attached plot was printed. The vertical scale is set to-10 dB per division.

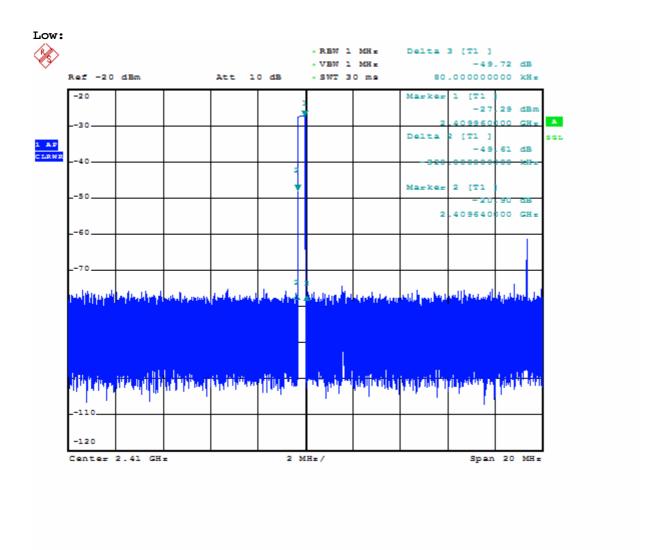
TEST RESULTS: The unit does meet the FCC requirements.

APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http:// www. szmost.com Email: szmost@szmost.com



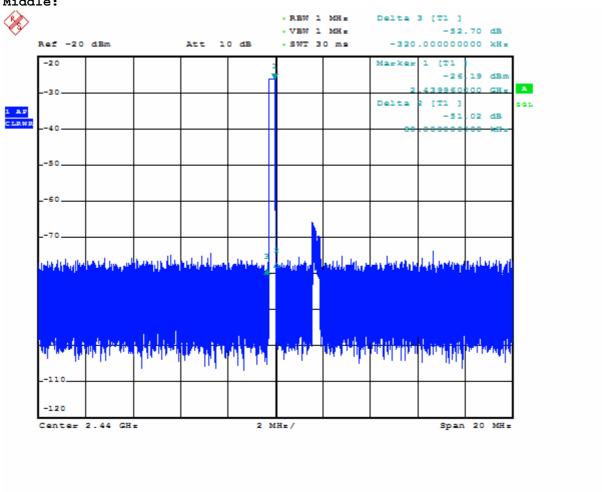
APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http:// www. szmost.com Email: szmost@szmost.com

Middle:



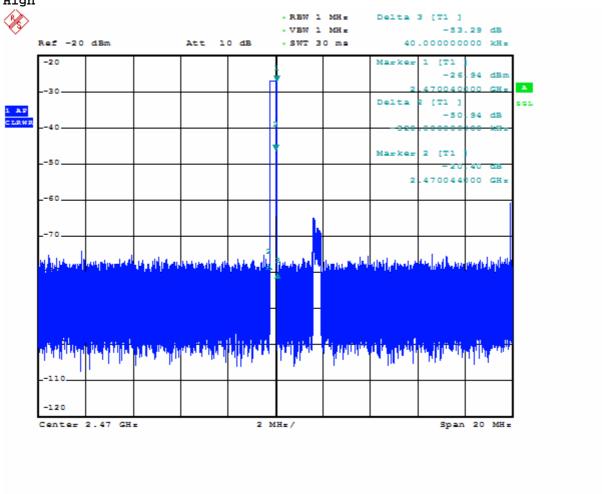
APPLICANT: DreamGEAR LLC



Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http:// www. szmost.com Email: szmost@szmost.com

High



APPLICANT: DreamGEAR LLC