



卓時檢測  
TIMEWAY TESTING LABORATORY



ISO/IEC17025 Accredited Lab.

Report No: FCC0901101-1  
File reference No: 2009-03-03

Applicant: MMP LLC

Product: RiffMaster PS 2/3 wireless Guitar

Model No: RiffMaster M1

Brand Name: **RiffMaster**™

Test Standards: FCC Part 15 Subpart C, Paragraph 15.249

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.4&FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of electromagnetic compatibility

Approved By

*Jack Chung*

Jack Chung

Manager

Dated: March 03, 2009

**Results appearing herein relate only to the sample tested  
The technical reports is issued errors and omissions exempt and is subject to withdrawal at**

**SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD**

East 5/Block 4, Anhua Industrial Zone, No.8,Tairan Rd. CheGongMiao, FuTian District, Shenzhen, CHINA.

Tel (755) 83448688 Fax (755) 83442996



## Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

### **CNAS-LAB Code: L2292**

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

### **FCC-Registration No.: 899988**

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 899988.

### **IC- Registration No.: IC5205A-01**

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration IC No.: 5205A-01.

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## Test Report Conclusion

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## 1.0 General Details

### 1.1 Test Lab Details

Name : SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD  
Address: 5/F,Block 4, Anhua Industrial Zone.,No.8 TaiRan Rd.CheGongMiao,FuTian District, Shenzhen,CHINA.  
Telephone: (755) 83448688  
Fax: (755) 83442996  
Site on File with the Federal Communications Commission – United States  
Registration Number: 899988  
For 3m & 10 m OATS  
Site Listed with Industry Canada of Ottawa, Canada  
Registration Number: IC: 5205A-01  
For 3m & 10 m OATS

### 1.2 Applicant Details

Applicant: Datel Design and Development, Inc  
Address: Bldg3,Baozhou Ind ,Estate 117 Jiuwei Road ,Xixiang Bao'an Shenzhen 518126PRC China  
Telephone: 727-431-0651  
Fax: 727-431-0652

### 1.3 Description of EUT

Product:	RiffMaster PS 2/3 wireless Guitar
Manufacturer:	Topway Electrical Appliance Co.,Ltd
Brand Name:	RiffMaster M1
Model Number:	
Additional Model Name	N/A
Additional Trade Name	N/A
Rating:	DC6.0V, 4 pcs AAA batteries
Modulation Type:	GFSK
Operation Frequency	2402-2480MHz
Antenna Designation	Printed antenna, which is built-in, designed as an indispensable part of the EUT.

### 1.4 Submitted Sample

1 Sample

### 1.5 Test Duration

2009-01-20 to 2009-03-03

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1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions Uncertainty =4.7dB

1.7 Test Engineer

The sample tested by \_\_\_\_\_

Print Name: Terry Tang

Test Equipments					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	ROHDE&SCHWARZ	ESPI 3	100379	2008-12-05	2009-12-04
Absorbing Clamp	ROHDE&SCHWARZ	MDS-21	100126	2008-12-05	2009-12-04
TWO Line-V-NETW	ROHDE&SCHWARZ	EZH3-Z5	100294	2008-12-05	2009-12-04
TWO Line-V-NETW	ROHDE&SCHWARZ	EZH3-Z5	100253	2008-12-05	2009-12-04
Ultra Broadband ANT	ROHDE&SCHWARZ	HL562	100157	2008-12-05	2009-12-04
ESDV Test Receiver	ROHDE&SCHWARZ	ESDV	100008	2008-04-26	2009-04-25
4-WIRE ISN	ROHDE&SCHWARZ	ENY 41	830663/044	2009-02-18	2010-02-17
GG ENY22 Double 2-Wire ISN	ROHDE&SCHWARZ	ENY22	83066/016	2009-02-18	2010-02-17
Impuls-Begrenzer	ROHDE&SCHWARZ	ESH3-Z2	100281	2009-02-18	2010-02-17
System Controller	CT	SC100	-	2009-02-18	2010-02-17
Printer	EPSON	PHOTO EX3	CFNH234850	2009-02-18	2010-02-17
FM-AM Signal Generator	JUNG.JIN	SG-150M	389911177	2009-02-18	2010-02-17
Color TV Pattern Generator	PHILIPS	PM5418	LO621747	2009-02-18	2010-02-17
Computer	IBM	8434	1S8434KCE99BLX LO*	-	-

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Oscillator	KENWOOD	AG-203D	3070002	2009-02-18	2010-02-17
Spectrum Analyzer	HAMEG	HM5012	-	2008-04-26	2009-04-25
Power Supply	LW	APS1502	-	-	-
5K VA AC Power Source	California Instruments	5001iX	56060	2009-02-18	2010-02-17
CDN	EM TEST	CDN M2/M3	-	2009-02-18	2010-02-17
Attenuation	EM TEST	ATT6/75	-	2009-02-18	2010-02-17
Resistance	EM TEST	R100	-	2009-02-18	2010-02-17
Electromagnetic Injection Clamp	LITTHI	EM101	35708	2009-02-18	2010-02-17
Signal Generator	ROHDE&SCHWARZ	SMT03	100029	2009-02-18	2010-02-17
Power Amplifier	AR	150W1000	300999	2009-02-18	2010-02-17
Field probe	Holiday	HI-6005	105152	2009-02-18	2010-02-17
Bilog Antenna	Chase	CBL6111C	2576	2009-02-18	2010-02-17
ESPI Test Receiver	ROHDE&SCHWARZ	ESI26	838786/013	2009-02-18	2010-02-17
3m OATS	--	--	N/A	2009-02-18	2010-02-17
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170265	2008-08-18	2009-08-17
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-631	2008-04-26	2009-04-25

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### 3.0 Technical Details

#### 3.1 Summary of test results

The EUT has been tested according to the following specifications:			
Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.207	Conducted Emission Test	N/A	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	PASS	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	PASS	Complies

#### 3.2 Test Standards

**FCC Part 15 Subpart C, Paragraph 15.249**

#### 4.0 EUT Modification

**No modification by Shenzhen Timeway Technology Consulting Co.,Ltd**

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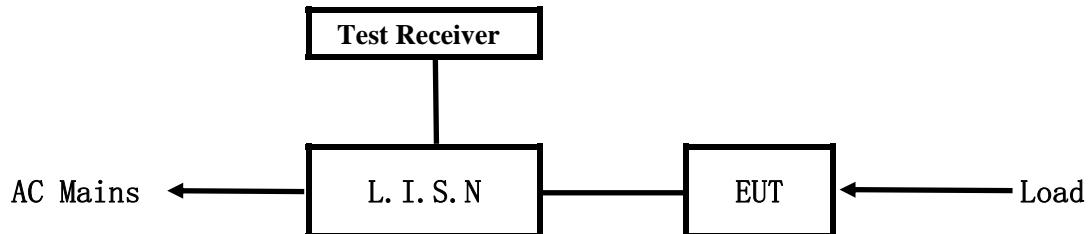
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## 5. Power Line Conducted Emission Test

### 5.1 Schematics of the test

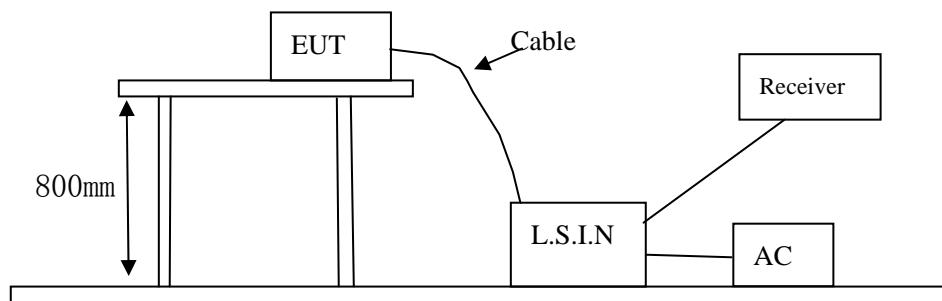


EUT: Equipment Under Test

### 5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2003. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2003.

### Block diagram of Test setup



### 5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.4-2003. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

One channels are provided to the EUT

#### A. EUT

Device	Manufacturer	Model	FCC ID
RiffMAster PS 2/3 wireless Guitar	Topway Electrical Appliance Co.,Ltd	RiffMaster M1	W3NRMPS

#### B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

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C. Peripherals

Device	Manufacturer	Model	FCC ID/DOC	Cable
N/A				

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2003

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency(MHz)	Class A Limits (dB $\mu$ V)		Class B Limits (dB $\mu$ V)	
	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level
0.15 ~ 0.50	79.0	66.0	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	73.0	60.0	56.0	46.0
5.00 ~ 30.00	73.0	60.0	60.0	50.0

Notes: 1. \*Decreasing linearly with logarithm of frequency.  
2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

**Due to DC operation, this test item not applicable**

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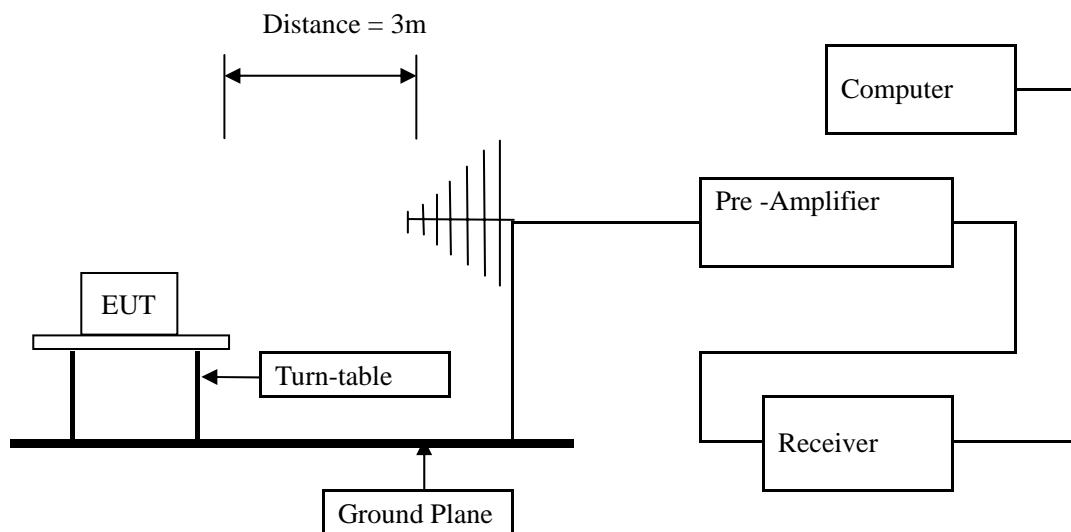


## 6 Radiated Emission Test

### 6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.4 -2003. The radiated test was performed at Timeway Laboratory. This site is on file with the FCC laboratory division, Registration No.899988
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.4-2003.
- (3) The frequency spectrum from 30 MHz to 1 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz . Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization : Vertical polarization and Horizontal polarization.

### Block diagram of Test setup



### 6.2 Configuration of The EUT

Same as section 5.3 of this report

### 6.3 EUT Operating Condition

Same as section 5.4 of this report.

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## 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

**A FCC Part 15 Subpart C Paragraph 15.249(a) Limit**

Fundamental Frequency (MHz)	Field Strength of Fundamental (3m)			Field Strength of Harmonics (3m)		
	<b>mV/m</b>	<b>dBuV/m</b>		<b>uV/m</b>	<b>dBuV/m</b>	
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note: 1. RF Field Strength (dBuV) =  $20 \log_{10} \text{RF Voltage (uV)}$

2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

**B. Frequencies in restricted band are complied to limit on Paragraph 15.209.**

Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note: 1. RF Voltage (dBuV) =  $20 \log_{10} \text{RF Voltage (uV)}$

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. This is a handheld device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

5. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz. As to 1G-25G, the final emission level got using PK and AV detector.

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## 6.5 Test result

### A Fundamental & Harmonics Radiated Emission Data

Product:	RiffMaster PS 2/3 Wireless Guitar	Test Mode:	Low Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25°C
Test Voltage:	6VDC	Humidity:	56%
Test Result:	Pass		

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horiz / Vert	Limits PK/AV (dBuV/m)	Margin (dB)
2402	75.6/63.7	H	114/94	-38.4/-30.3
2402	79.3/67.1	V	114/94	-34.7/-26.9
4804	41.6 (PK)	V	74/54	-12.4
4804	--	H	74/54	--
7206	--	H/V	74/54	--
9608	--	H/V	74/54	--
12010	--	H/V	74/54	--
14412	--	H/V	74/54	--
16814	--	H/V	74/54	--
19216	--	H/V	74/54	--
21618	--	H/V	74/54	--
24020	--	H/V	74/54	--

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Product:	RiffMaster PS 2/3 Wireless Guitar	Test Mode:	Middle Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25°C
Test Voltage:	6VDC	Humidity:	56%
Test Result:	Pass		

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horiz / Vert	Limits PK/AV (dBuV/m)	Margin (dB)
2441	75.2/63.1	H	114/94	-38.8/-30.9
2441	79.6/67.3	V	114/94	-34.4/-26.7
4882	46.8 (PK)	V	74/54	-7.2
4882	--	H	74/54	--
7323	--	H/V	74/54	--
9764	--	H/V	74/54	--
12205	--	H/V	74/54	--
14646	--	H/V	74/54	--
17087	--	H/V	74/54	--
19528	--	H/V	74/54	--
21969	--	H/V	74/54	--
24410	--	H/V	74/54	--

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Product:	RiffMaster PS 2/3 Wireless Guitar	Test Mode:	High Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25°C
Test Voltage:	6VDC	Humidity:	56%
Test Result:	Pass		

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horiz / Vert	Limits PK/AV (dBuV/m)	Margin (dB)
2480	73.2/61.5	H	114/94	-40.8/-32.5
2480	76.1/64.3	V	114/94	-37.9/-29.7
4960	47.5 (PK)	V	74/54	-6.5
4960	--	H	74/54	--
7440	--	H/V	74/54	--
9920	--	H/V	74/54	--
12400	--	H/V	74/54	--
14880	--	H/V	74/54	--
17360	--	H/V	74/54	--
19840	--	H/V	74/54	--
22320	--	H/V	74/54	--
24800	--	H/V	74/54	--

Note: (1) PK= Peak, AV= Average

(2) Emission Level = Reading Level + Probe Factor + Cable Loss.

(3) Margin=Emission-Limits

(4) According to section 15.35(b), the peak limit is 20dB higher than the average limit

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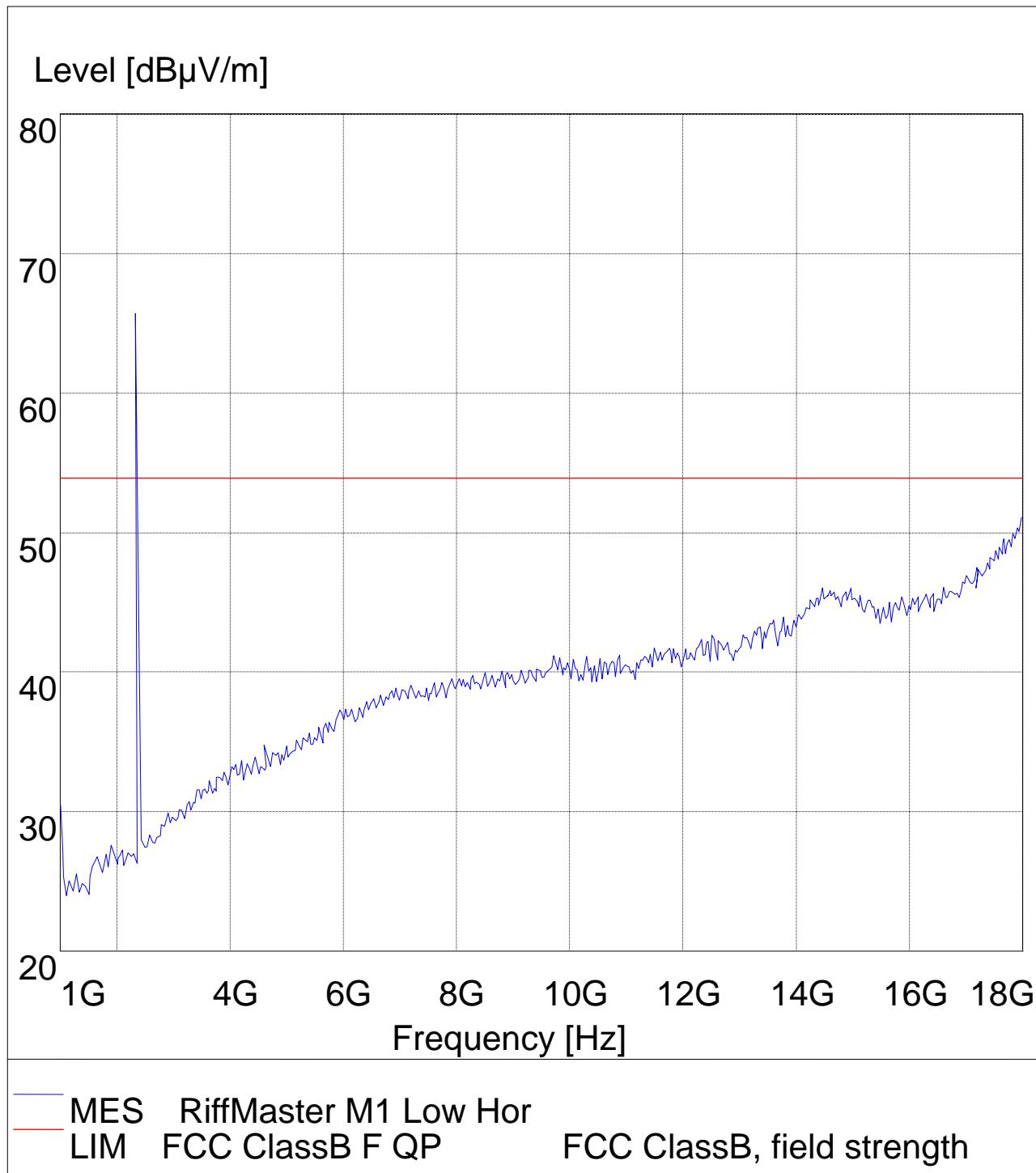
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## TEST REPORT

Please refer to the following test plots for details:

### Low Channel: Horizontal



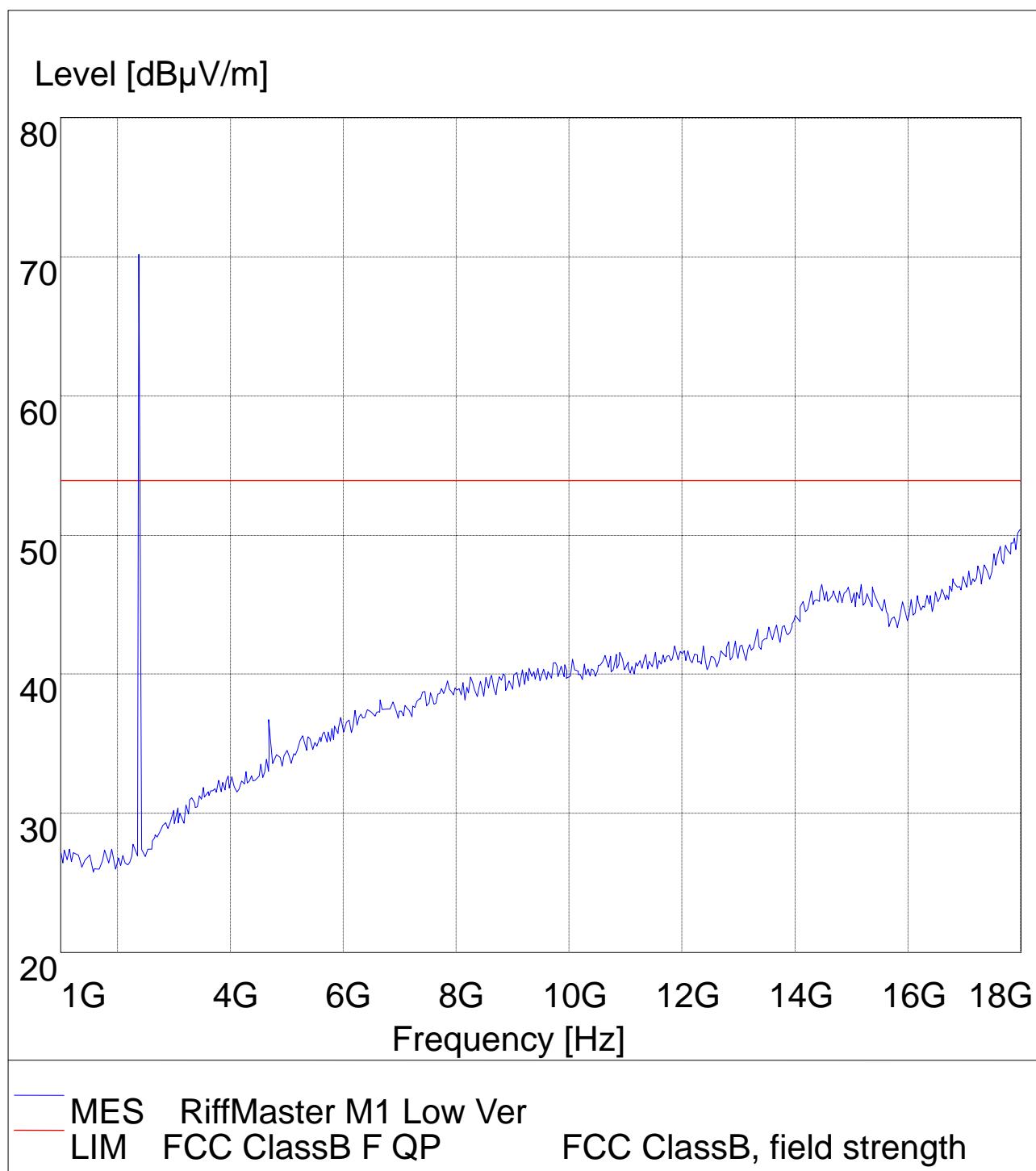
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Low Channel : Vertical



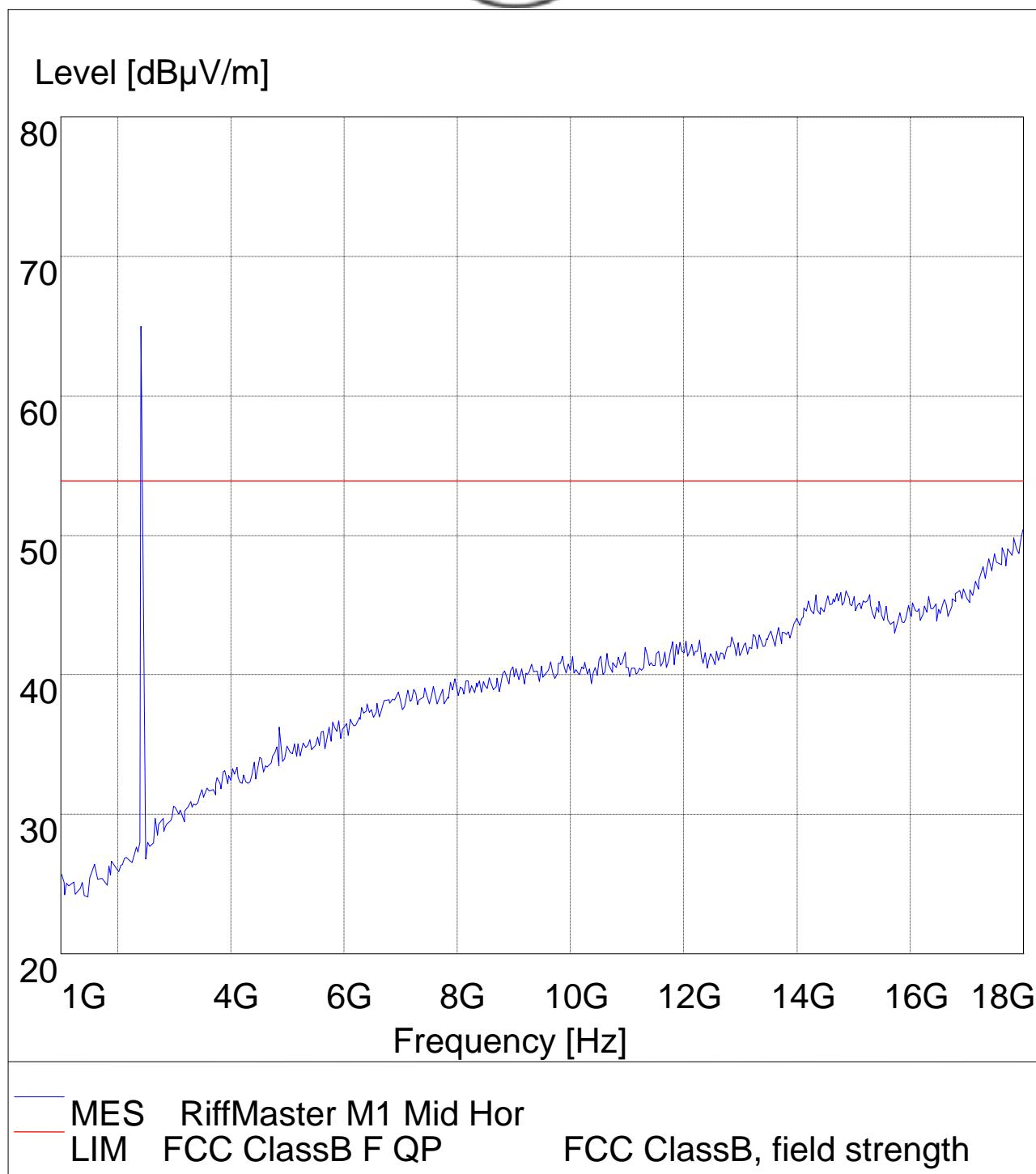
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Middle Channel : Horizontal



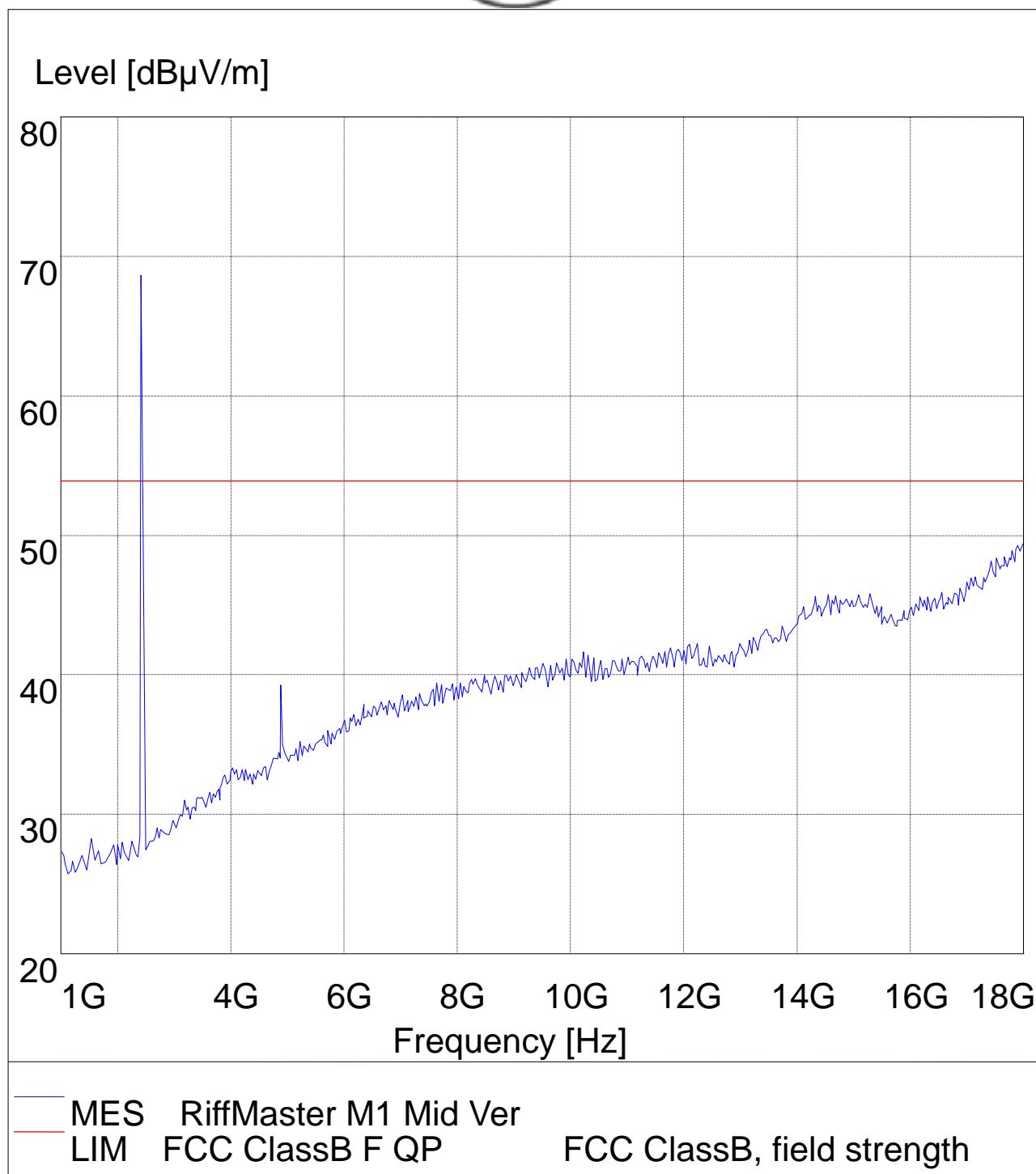
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Middle Channel :: Vertical



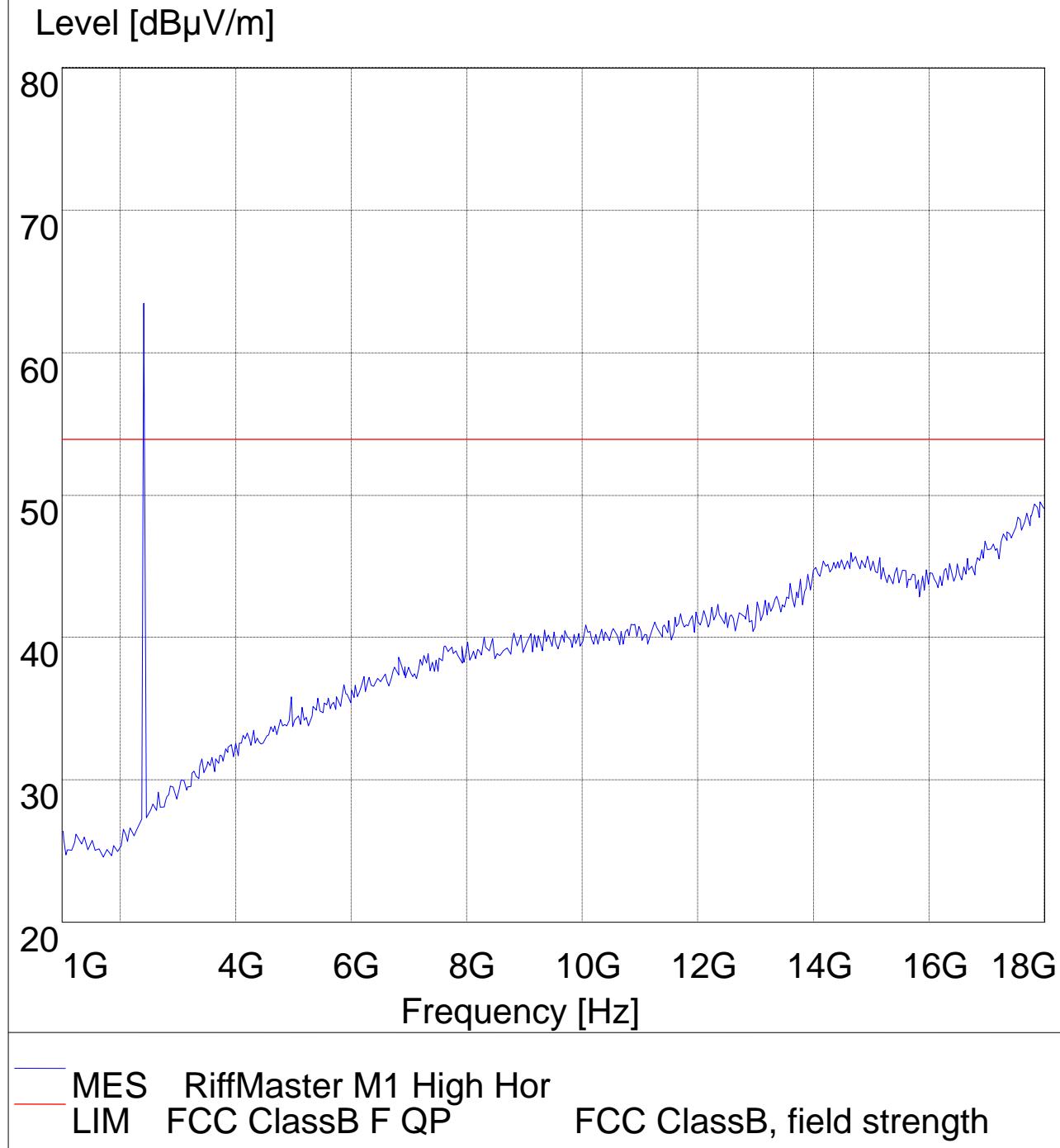
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High Channel : Horizontal



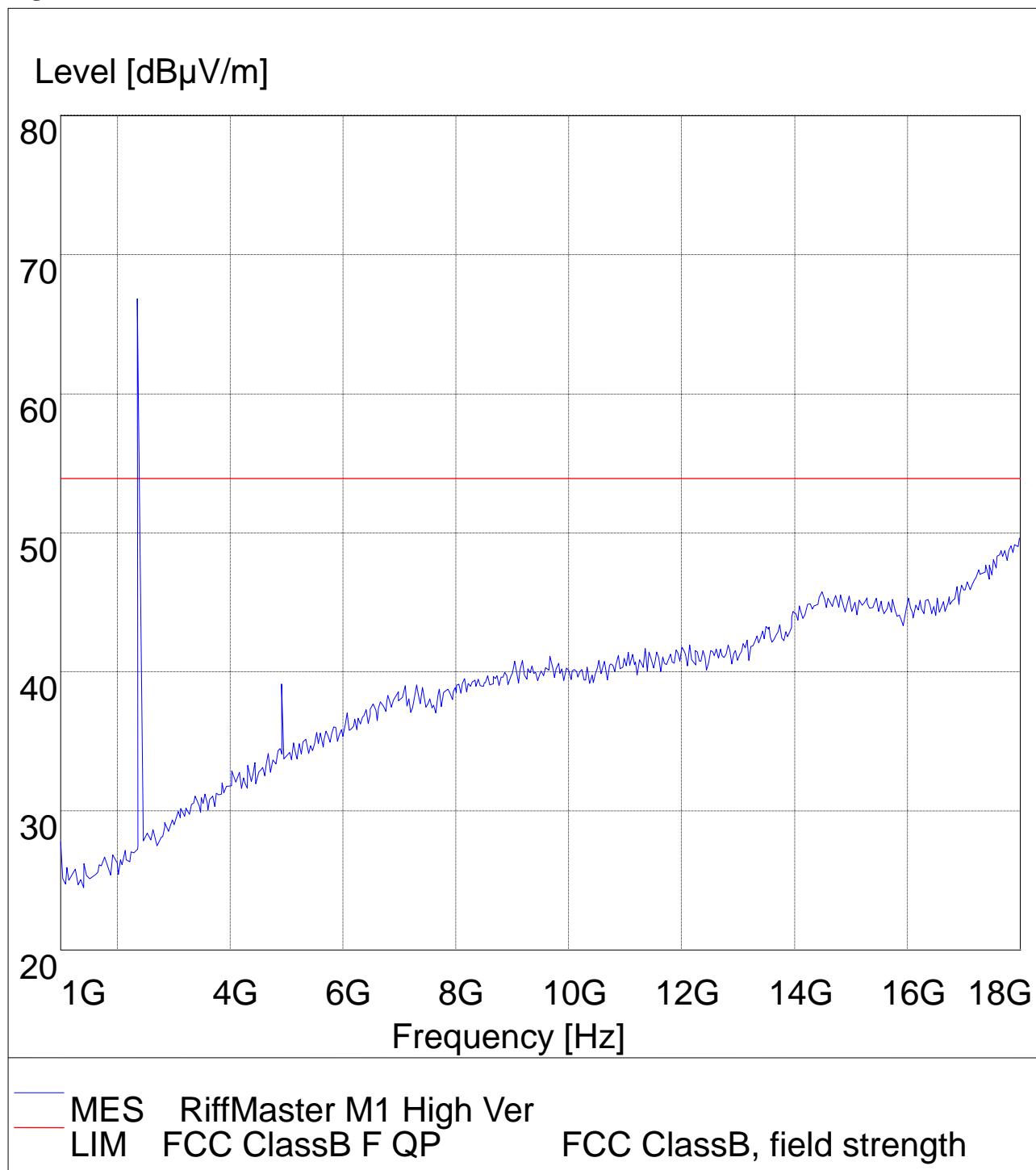
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**High Channel : Vertical**



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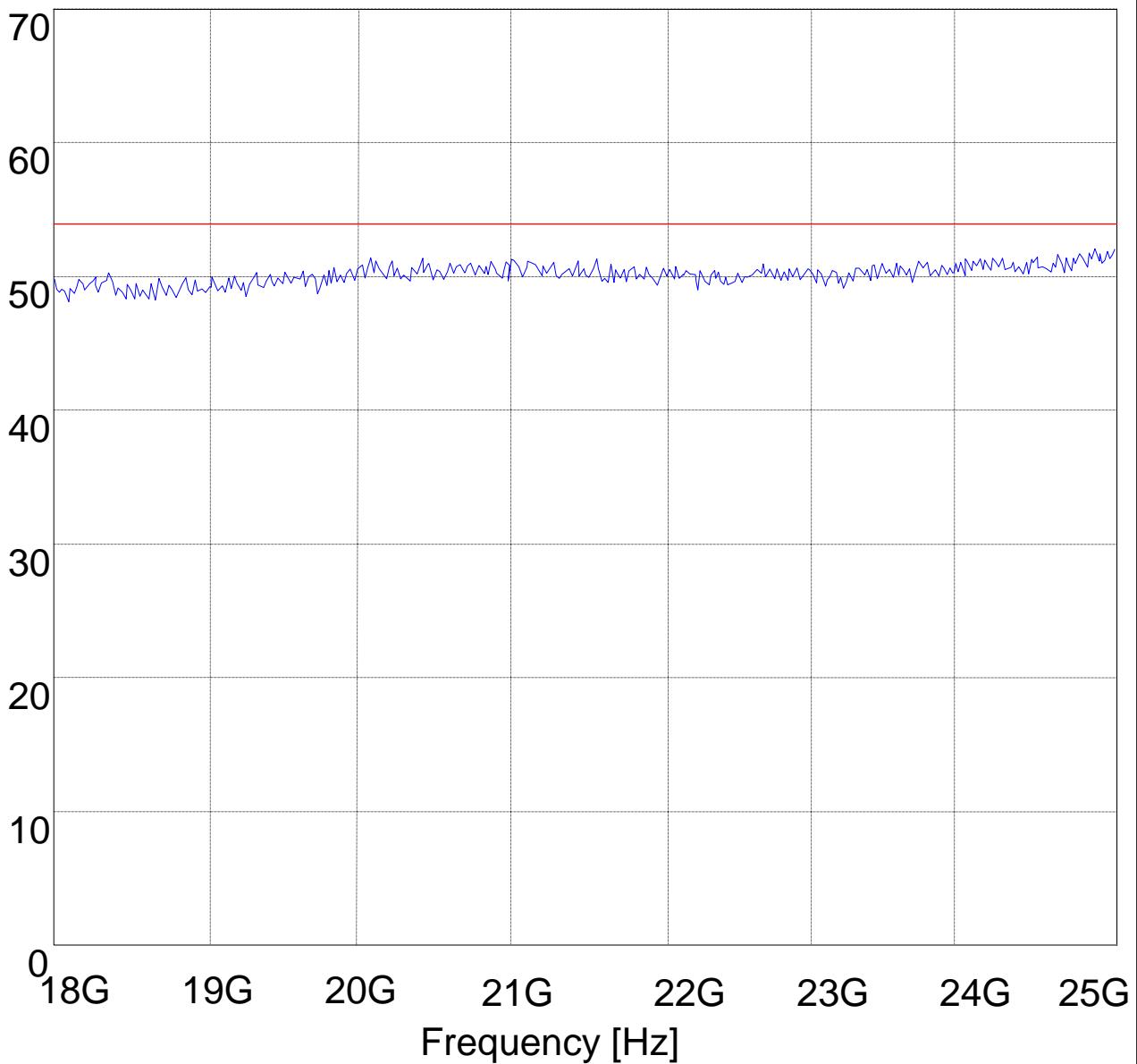
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18-25G

High Channel

Level [dB $\mu$ V/m]



MES RiffMaster M1 High H

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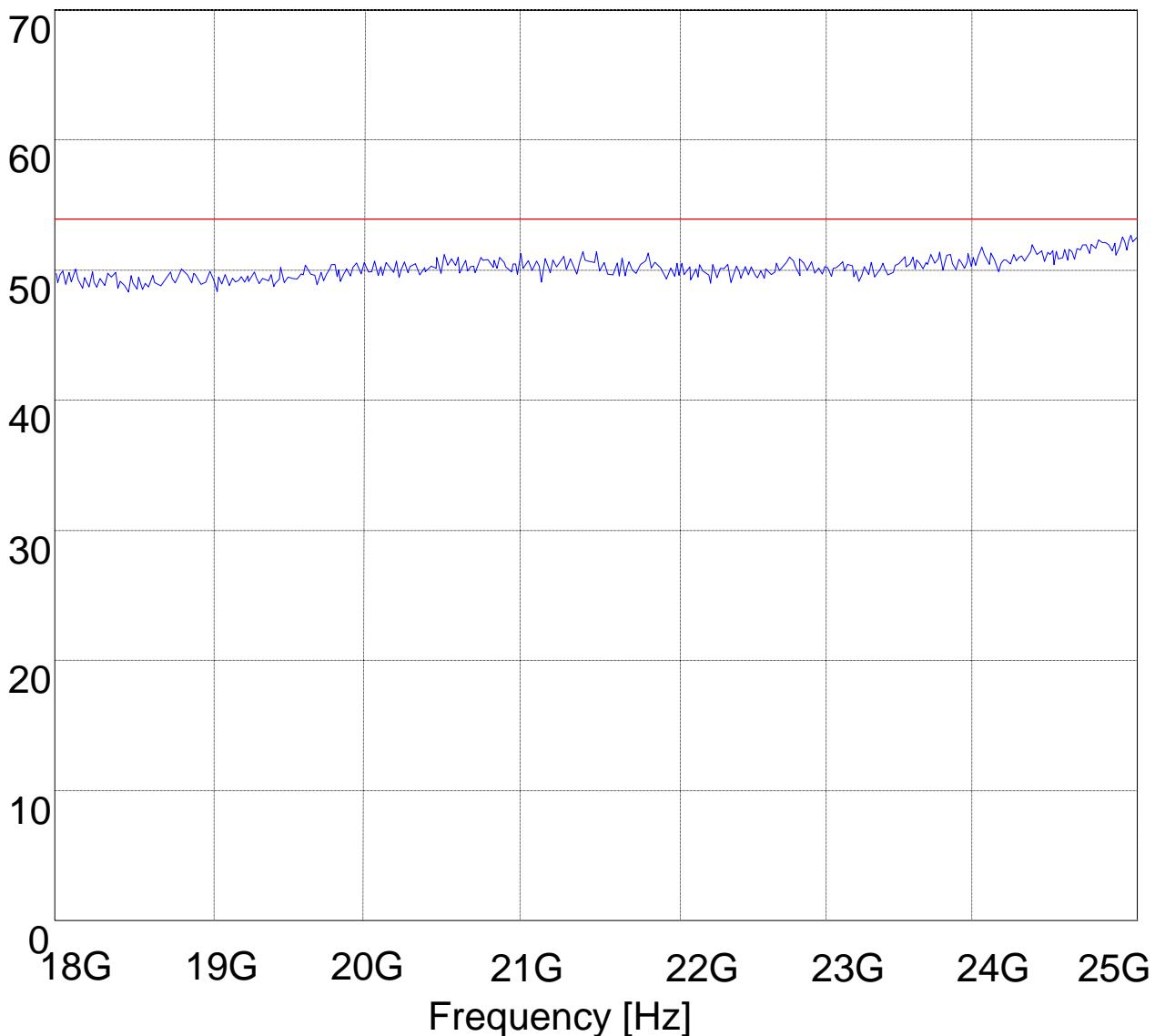
In the event of the improper use of the report. The Shenzhen Timeway Technology Consulting Co.,Ltd reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



18-25G

High Channel

Level [dB $\mu$ V/m]



MES RiffMaster M1 High V

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## B. General Radiated Emission Data

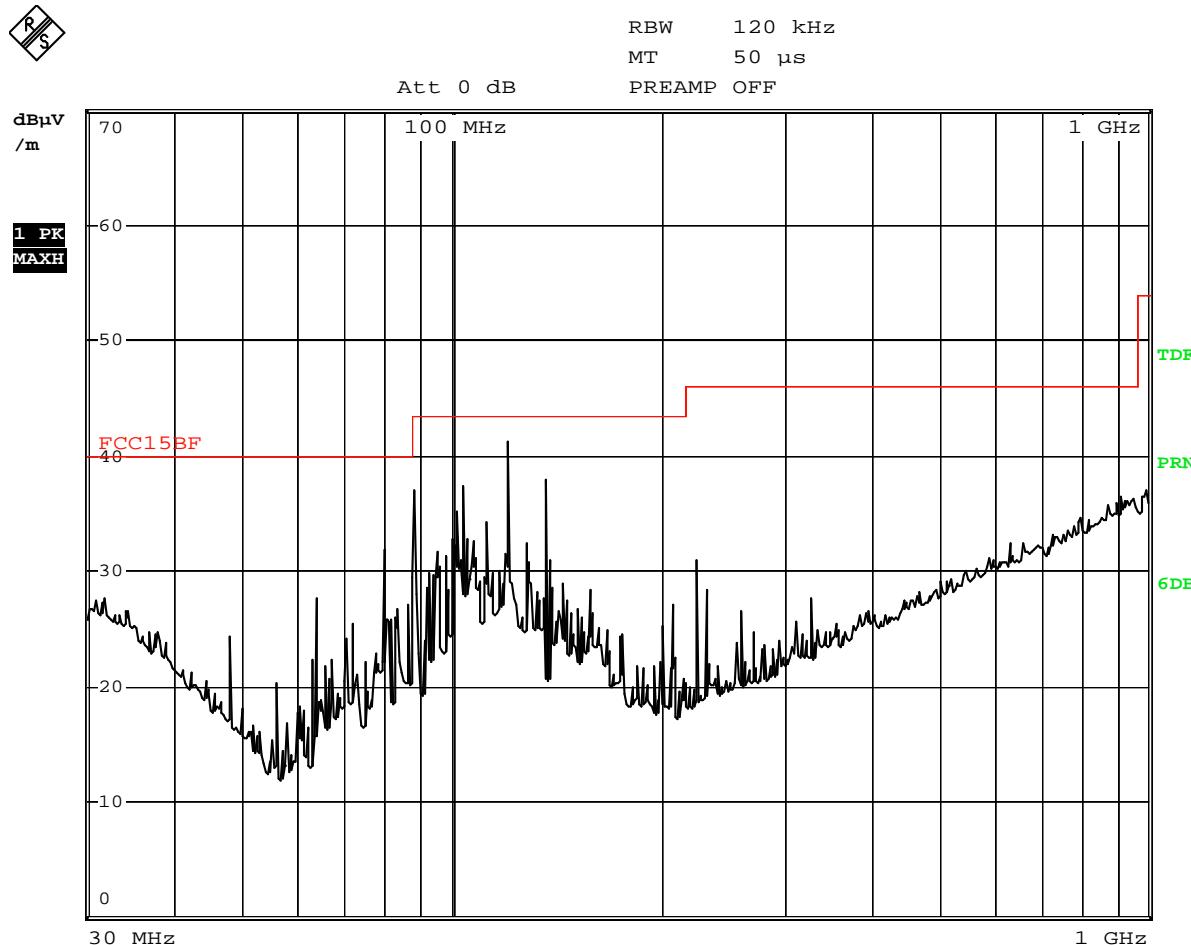
## Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Mode: Low Channel

## Results: Pass

Please refer to following diagram for individual



Comment: 12v 7AH -V charging  
Date: 2.MAR.2009 11:04:59

Frequency (MHz)	Level@3m (dB $\mu$ V/m)	Antenna Polarity	Limit@3m (dB $\mu$ V/m)
88.04	37.10	H	43.50
104.00	37.41	H	43.50
120.00	41.28	H	43.50
136.00	37.90	H	43.50

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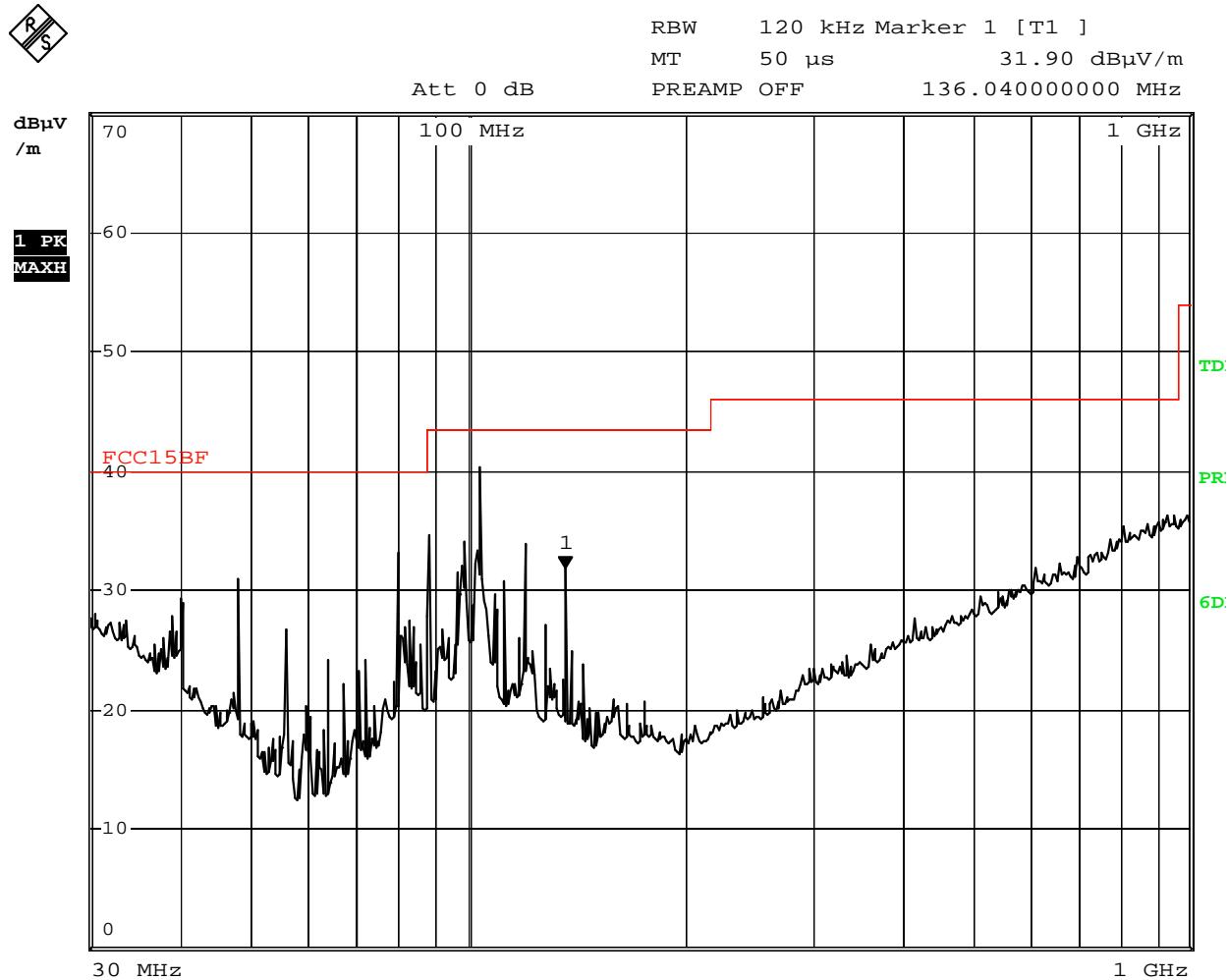
### Radiated Emission In Horizontal (30MHz---1000MHz)

EUT set Condition: Keep Tx transmitting

Mode: Low Channel

**Results: Pass**

Please refer to following diagram for individual



Comment: 12v 7AH -V charging  
Date: 2.MAR.2009 11:08:11

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
80.00	33.08	V	40.00
88.04	34.61	V	43.50
104.00	40.28	V	43.50
120.04	33.89	V	43.50

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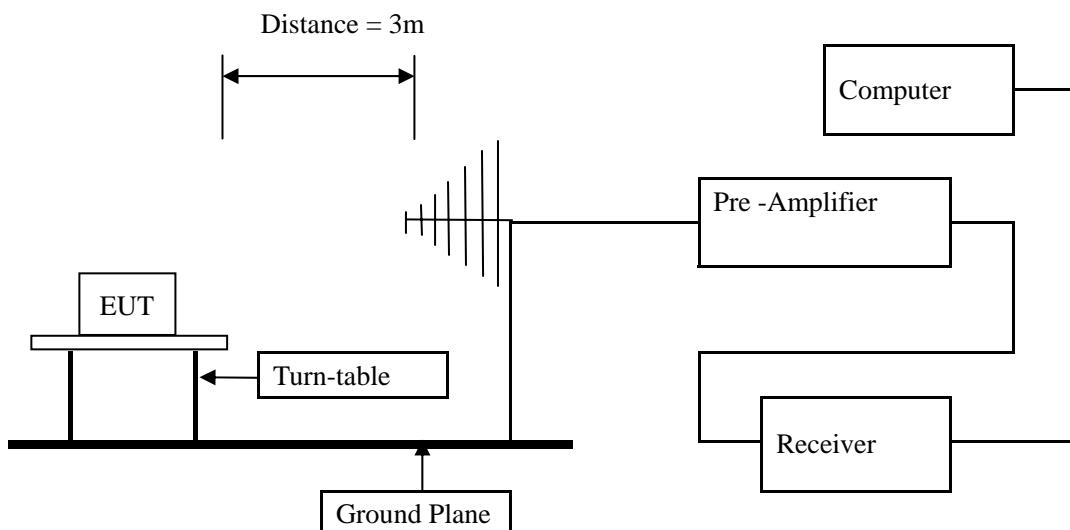


## 7. Band Edge

### 7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.4 –2003. The radiated test was performed at Timeway Laboratory. This site is on file with the FCC laboratory division, Registration No.899988
- (2) Set Spectrum as RBW=VBW=100kHz and Peak detector used
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

### 7.2 Radiated Test Setup



For the actual test configuration , please refer to the related items – Photos of Testing

### 7.3 Configuration of The EUT

Same as section 5.3 of this report

### 7.4 EUT Operating Condition

Same as section 5.4 of this report.

### 7.5 Band Edge Limit

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 Section 15.209, whichever is the lesser attenuation.

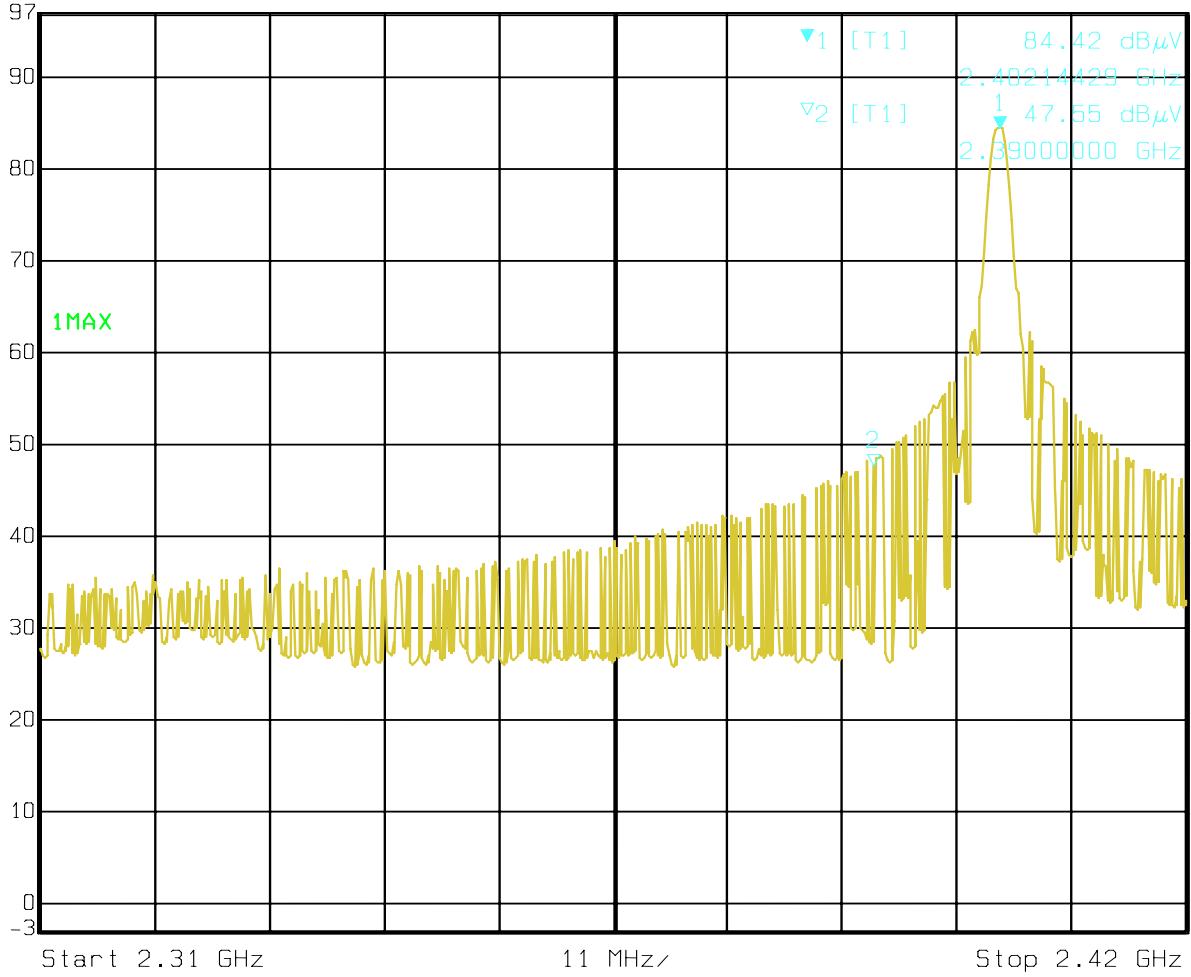
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### 7.6 Test Result

Product:	RiffMaster PS 2/3 Wireless Guitar		Test Mode:	Low Channel		
Mode	Keeping Transmitting		Test Voltage	DC6V		
Temperature	24 deg. C,		Humidity	56% RH		
Test Result:	Pass		Detector	PK		
2400MHz	PK (dB $\mu$ V/m)	42.5	Limit	74(dB $\mu$ V/m)		
	AV(dB $\mu$ V/m)	--		54(dB $\mu$ V/m)		
 Ref Lvl 97 dB $\mu$ V			Marker 1 [T1]	RBW 1 MHz	RF Att	0 dB
84.42 dB $\mu$ V 2.40214429 GHz			VBW 1 MHz	SWT 5 ms	Unit	dB $\mu$ V
 <p>The graph displays a spectrum analysis of a RF signal. The Y-axis represents power in dB<math>\mu</math>V, ranging from -3 to 97. The X-axis represents frequency in GHz, with markers at 2.31, 11 MHz, and 2.42 GHz. A yellow line represents the signal. Two markers are shown: ▽1 [T1] at 2.40214429 GHz with a value of 84.42 dB<math>\mu</math>V, and ▽2 [T1] at 2.390000000 GHz with a value of 47.55 dB<math>\mu</math>V. A green box labeled '1MAX' is at the top left, and a green box labeled '1MA' is at the top right. A red box labeled 'A' is at the top right. The graph shows a noisy baseline with a sharp peak at the 2.40214429 GHz marker.</p>						
Start 2.31 GHz      11 MHz      Stop 2.42 GHz Date: 05.MAR.2009 10:21:32						

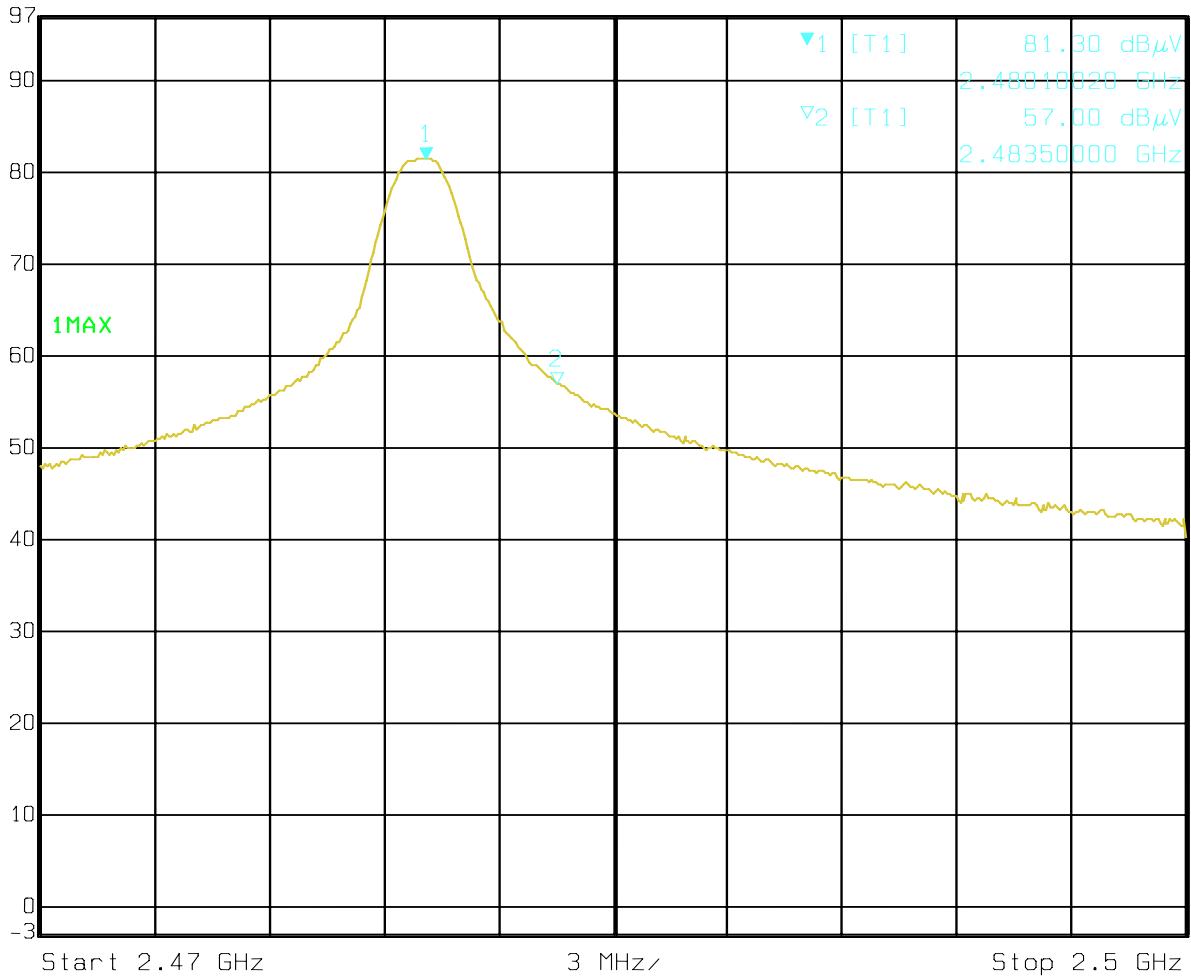
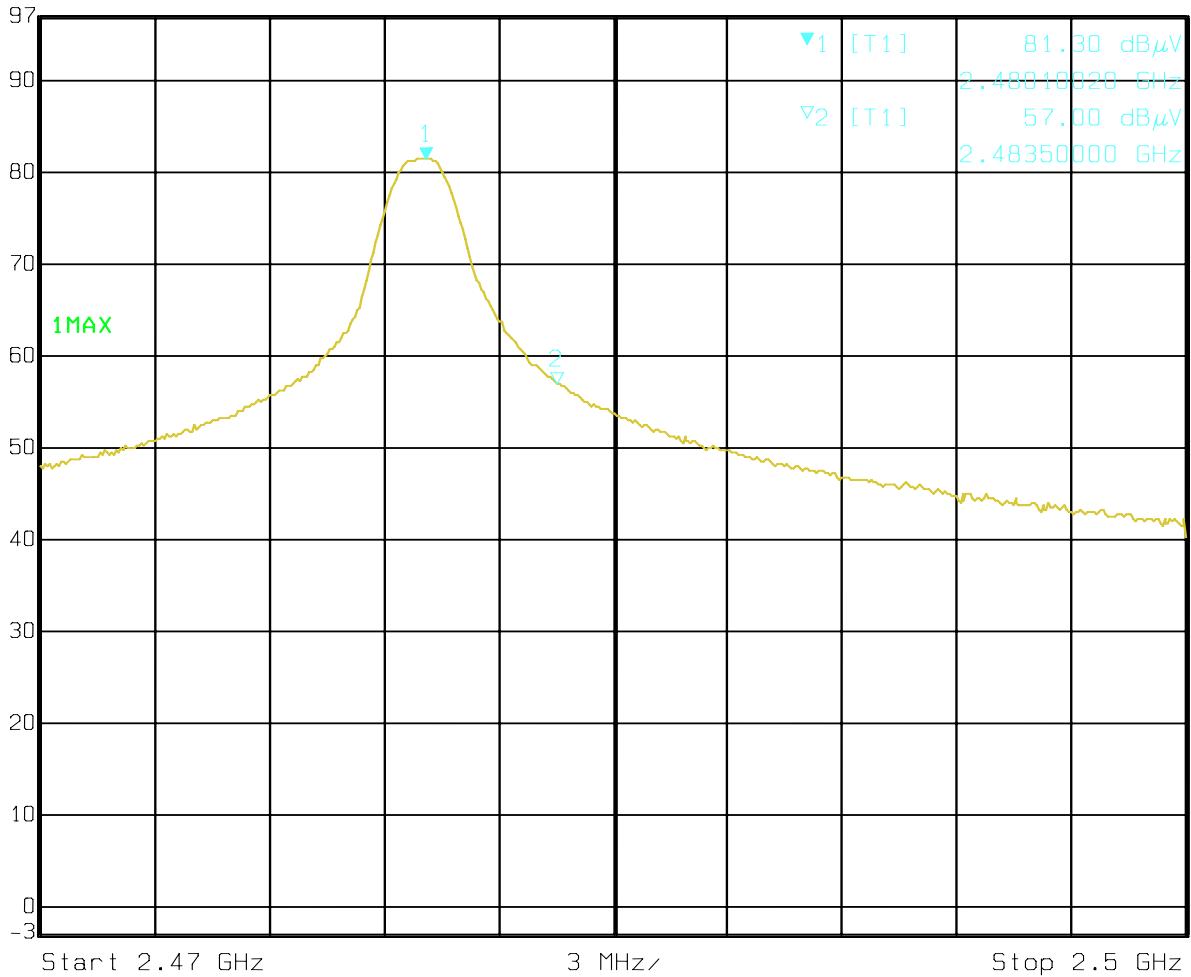
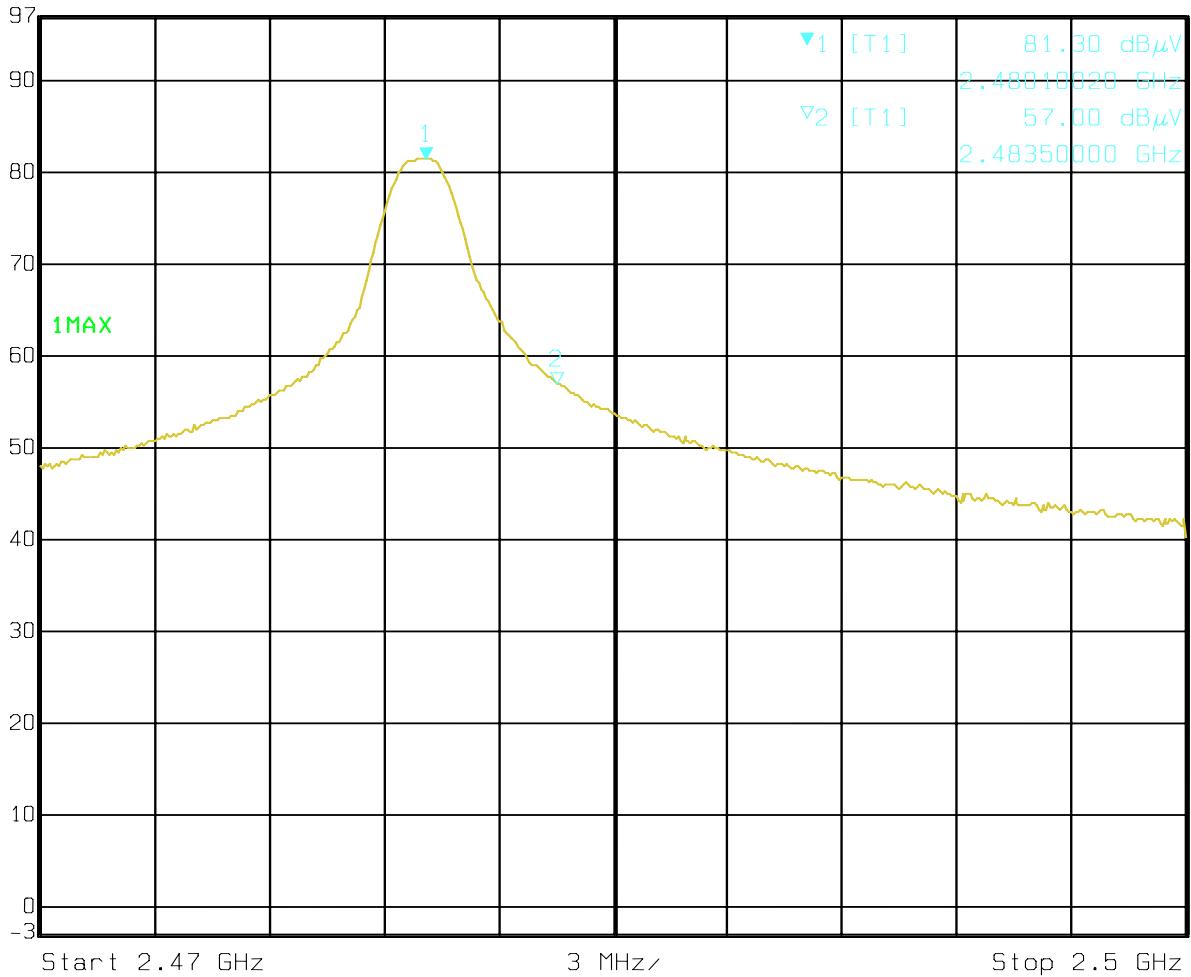
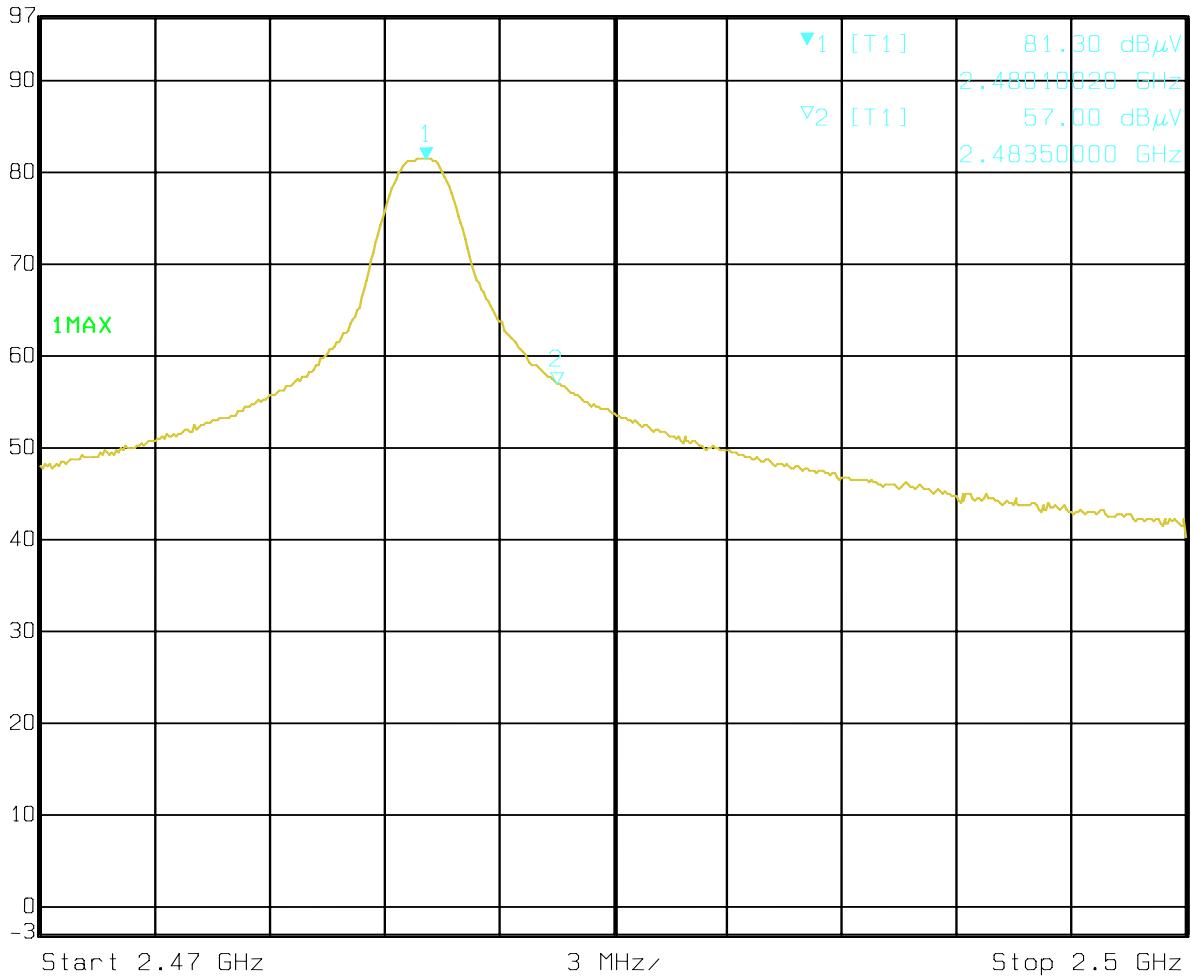
**Note: Field Strength in restrict band measured in conventional manner**

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Product:	RiffMaster PS 2/3 Wireless Guitar		Test Mode:	High Channel	
Mode	Keeping Transmitting		Test Voltage	DC6V	
Temperature	24 deg. C,		Humidity	56% RH	
Test Result:	Pass		Detector	PK	
2483.5MHz	PK (dB $\mu$ V/m)	52.0	Limit	74(dB $\mu$ V/m)	
	AV(dB $\mu$ V/m)	--		54(dB $\mu$ V/m)	
 Ref Lvl 97 dB $\mu$ V			Marker 1 [T1]	RBW 1 MHz	RF Att 0 dB
81.30 dB $\mu$ V 2.48010020 GHz			VBW 1 MHz	SWT 100 ms	Unit dB $\mu$ V
 <p>The graph displays the RF spectrum from 2.47 GHz to 2.5 GHz. The y-axis represents power in dB<math>\mu</math>V, ranging from -3 to 97. The x-axis represents frequency in MHz, with markers at 3 MHz and 2.5 GHz. A yellow line represents the signal envelope. Marker 1 (▼1) is at 2.48010020 GHz with a value of 81.30 dB<math>\mu</math>V. Marker 2 (▼2) is at 2.48350000 GHz with a value of 57.00 dB<math>\mu</math>V. The graph shows a peak at approximately 2.4801 GHz and a gradual decline thereafter.</p>			▼1 [T1]	81.30 dB $\mu$ V 2.48010020 GHz	
 <p>The graph displays the RF spectrum from 2.47 GHz to 2.5 GHz. The y-axis represents power in dB<math>\mu</math>V, ranging from -3 to 97. The x-axis represents frequency in MHz, with markers at 3 MHz and 2.5 GHz. A yellow line represents the signal envelope. Marker 1 (▼1) is at 2.48010020 GHz with a value of 81.30 dB<math>\mu</math>V. Marker 2 (▼2) is at 2.48350000 GHz with a value of 57.00 dB<math>\mu</math>V. The graph shows a peak at approximately 2.4801 GHz and a gradual decline thereafter.</p>			▼2 [T1]	57.00 dB $\mu$ V 2.48350000 GHz	
 <p>The graph displays the RF spectrum from 2.47 GHz to 2.5 GHz. The y-axis represents power in dB<math>\mu</math>V, ranging from -3 to 97. The x-axis represents frequency in MHz, with markers at 3 MHz and 2.5 GHz. A yellow line represents the signal envelope. Marker 1 (▼1) is at 2.48010020 GHz with a value of 81.30 dB<math>\mu</math>V. Marker 2 (▼2) is at 2.48350000 GHz with a value of 57.00 dB<math>\mu</math>V. The graph shows a peak at approximately 2.4801 GHz and a gradual decline thereafter.</p>			1MAX	81.30 dB $\mu$ V 2.48010020 GHz	1MA
 <p>The graph displays the RF spectrum from 2.47 GHz to 2.5 GHz. The y-axis represents power in dB<math>\mu</math>V, ranging from -3 to 97. The x-axis represents frequency in MHz, with markers at 3 MHz and 2.5 GHz. A yellow line represents the signal envelope. Marker 1 (▼1) is at 2.48010020 GHz with a value of 81.30 dB<math>\mu</math>V. Marker 2 (▼2) is at 2.48350000 GHz with a value of 57.00 dB<math>\mu</math>V. The graph shows a peak at approximately 2.4801 GHz and a gradual decline thereafter.</p>			Start 2.47 GHz	3 MHz/	Stop 2.5 GHz
Date: 20.FEB.2009 11:48:49					

**Note: Field Strength in restrict band measured in conventional manner**

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## 8.0 Antenna Requirement

### Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB permanent antenna, fulfill the requirement of this section.

Test Result: Pass

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**9.0 20dB Bandwidth Measurement**

Product:	RiffMaster PS 2/3 Wireless Guitar		Test Mode:	Low Channel					
Mode	Keeping Transmitting		Test Voltage	DC6V					
Temperature	24 deg. C,		Humidity	56% RH					
Test Result:	Pass		Detector	PK					
20dB Bandwidth	0.7695MHz		--	--					
Ref Lvl 97 dB $\mu$ V      Marker 1 [T1 ndB] ndB 20.00 dB      RBW 100 kHz      RF Att 0 dB BW 769.53907816 kHz      VBW 100 kHz      SWT 5 ms      Unit dB $\mu$ V									
Date: 20.FEB.2009 11:54:25									

The report refers only to the sample tested and does not apply to the bulk.

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### 9.1 20dB Bandwidth Measurement

Product:	RiffMaster PS 2/3 Wireless Guitar		Test Mode:	Middle Channel					
Mode	Keeping Transmitting		Test Voltage	DC6V					
Temperature	24 deg. C,		Humidity	56% RH					
Test Result:	Pass		Detector	PK					
20dB Bandwidth	0.7635MHz		--	--					
<p>Date: 20.FEB.2009 12:19:08</p>									

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## 9.2 20dB Bandwidth Measurement

Product:	RiffMaster PS 2/3 Wireless Guitar		Test Mode:	High Channel			
Mode	Keeping Transmitting		Test Voltage	DC6V			
Temperature	24 deg. C,		Humidity	56% RH			
Test Result:	Pass		Detector	PK			
20dB Bandwidth	0.7635MHz		--	--			
Date:	20.FEB.2009 11:52:46						

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## 10.0 FCC ID Label

FCC ID: W3NGRMPS

**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.**

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

### Mark Location:



FCC ID Label Location

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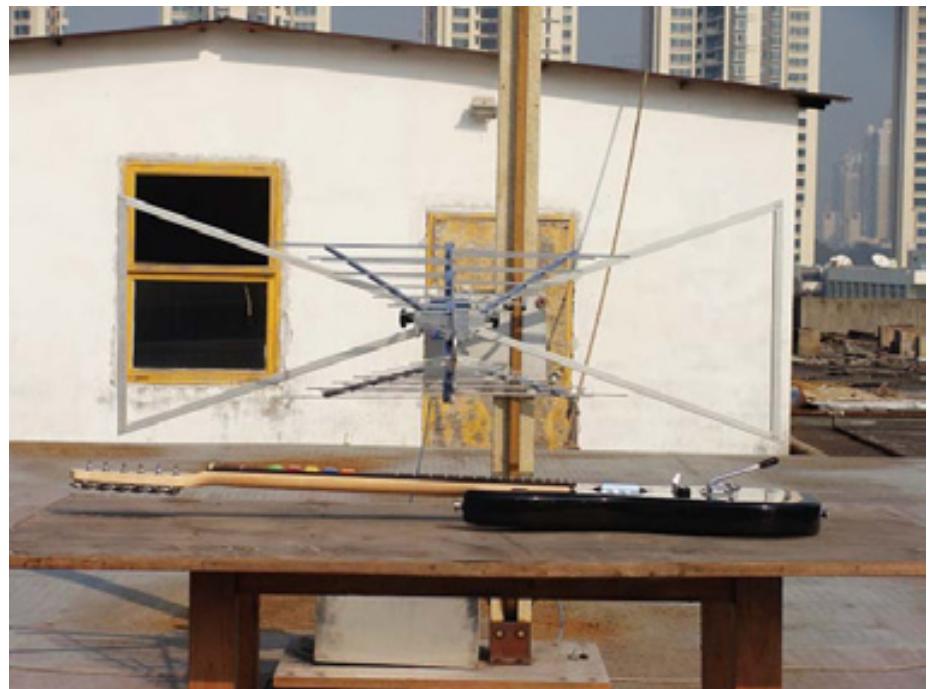
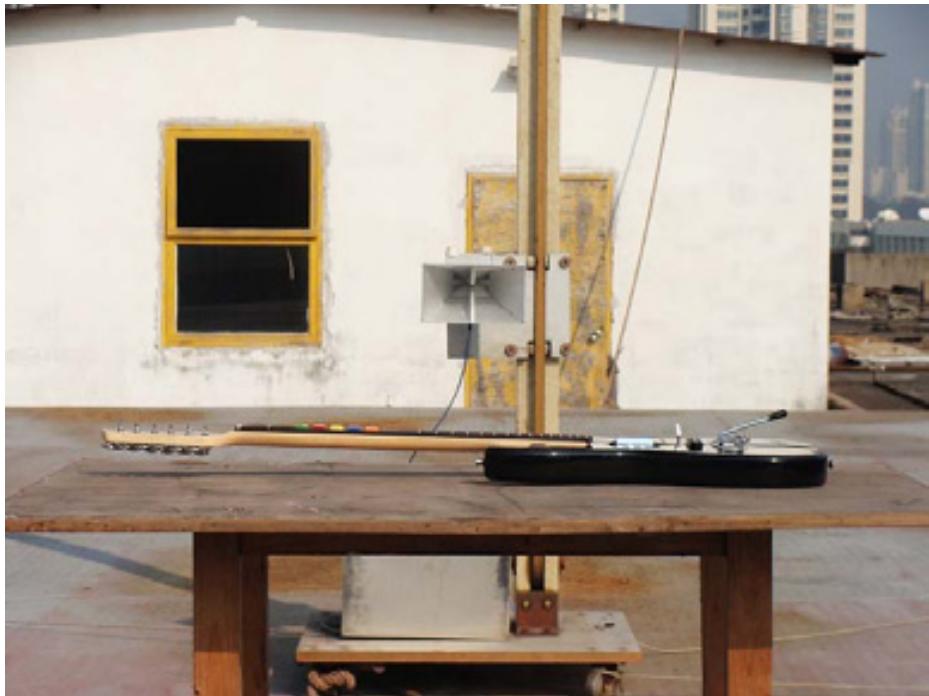


## 11.0 Photo of testing

11.1 Conducted test View--

N/A

11.2 Radiated emission test view



The report refers only to the sample tested and does not apply to the bulk.

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11.3 Photo for the EUT

Outside View



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Outside View



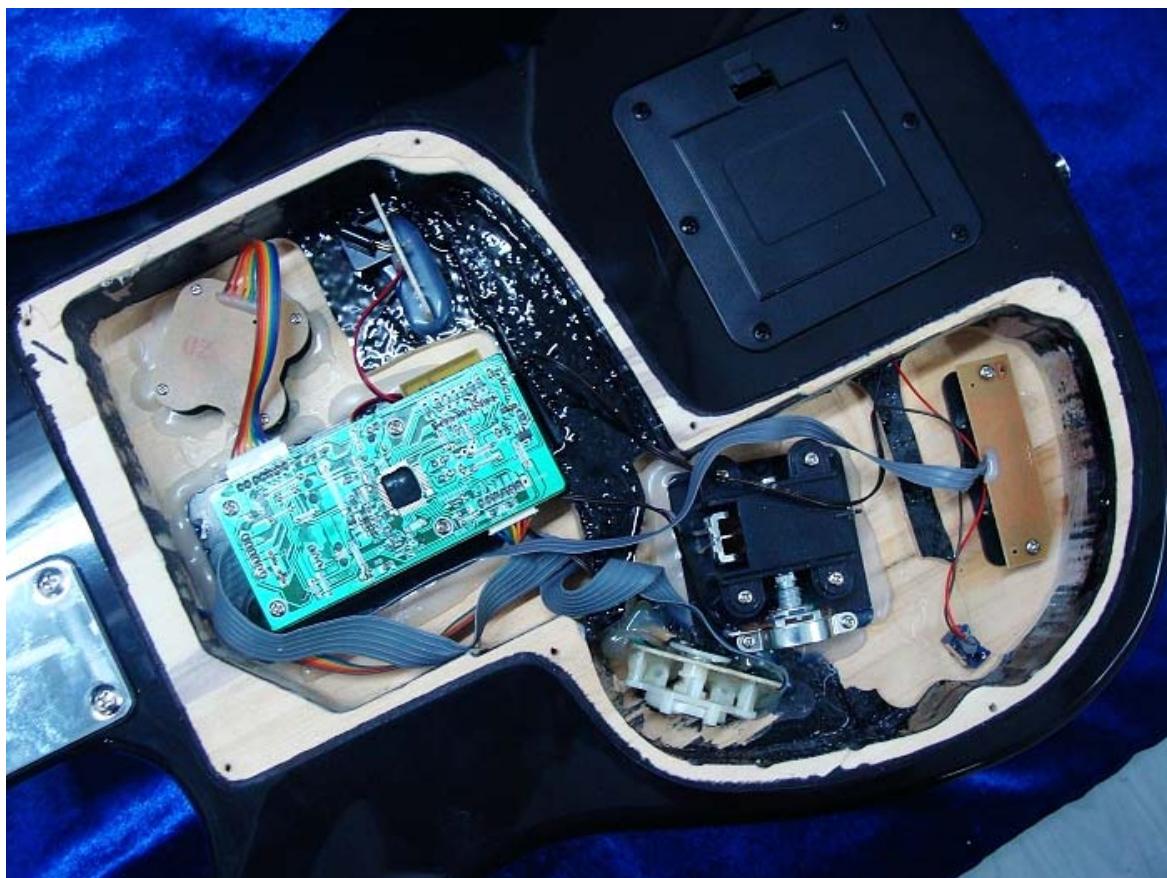
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Interior View



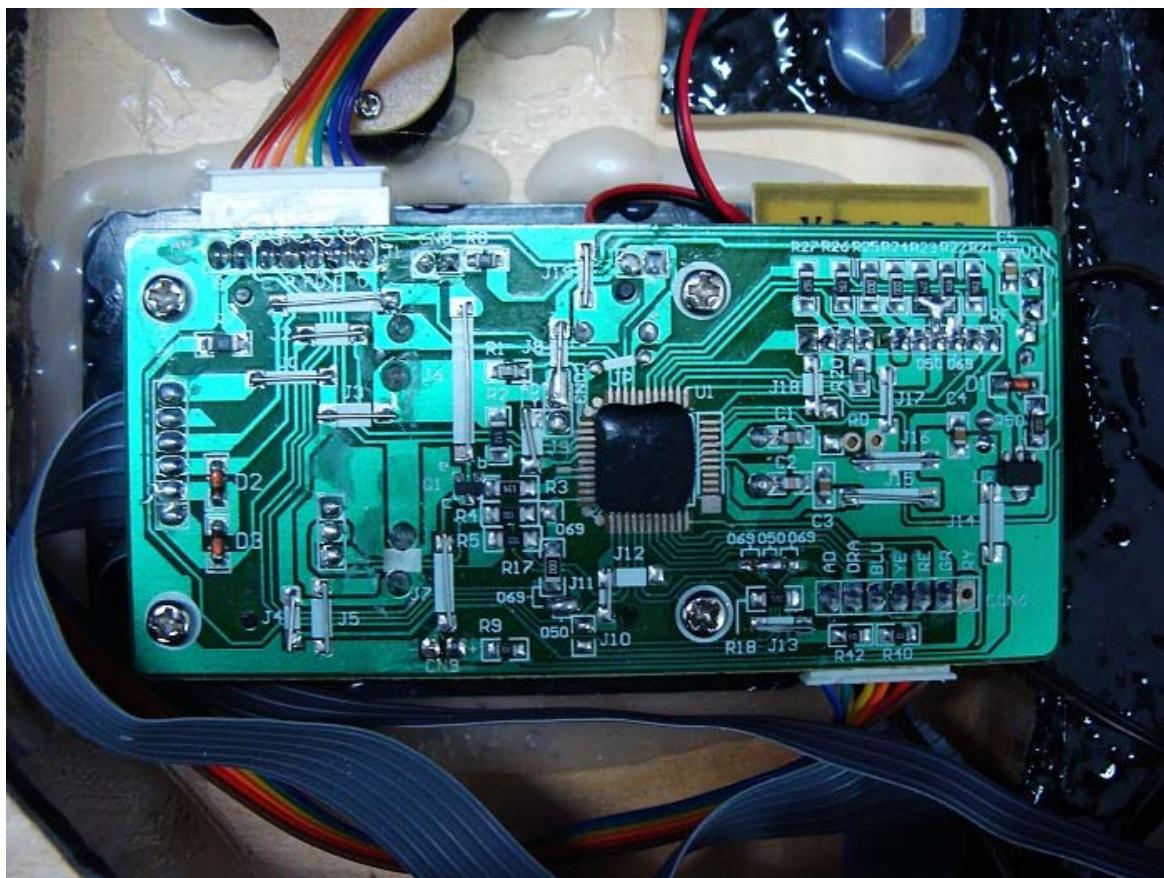
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Interior View



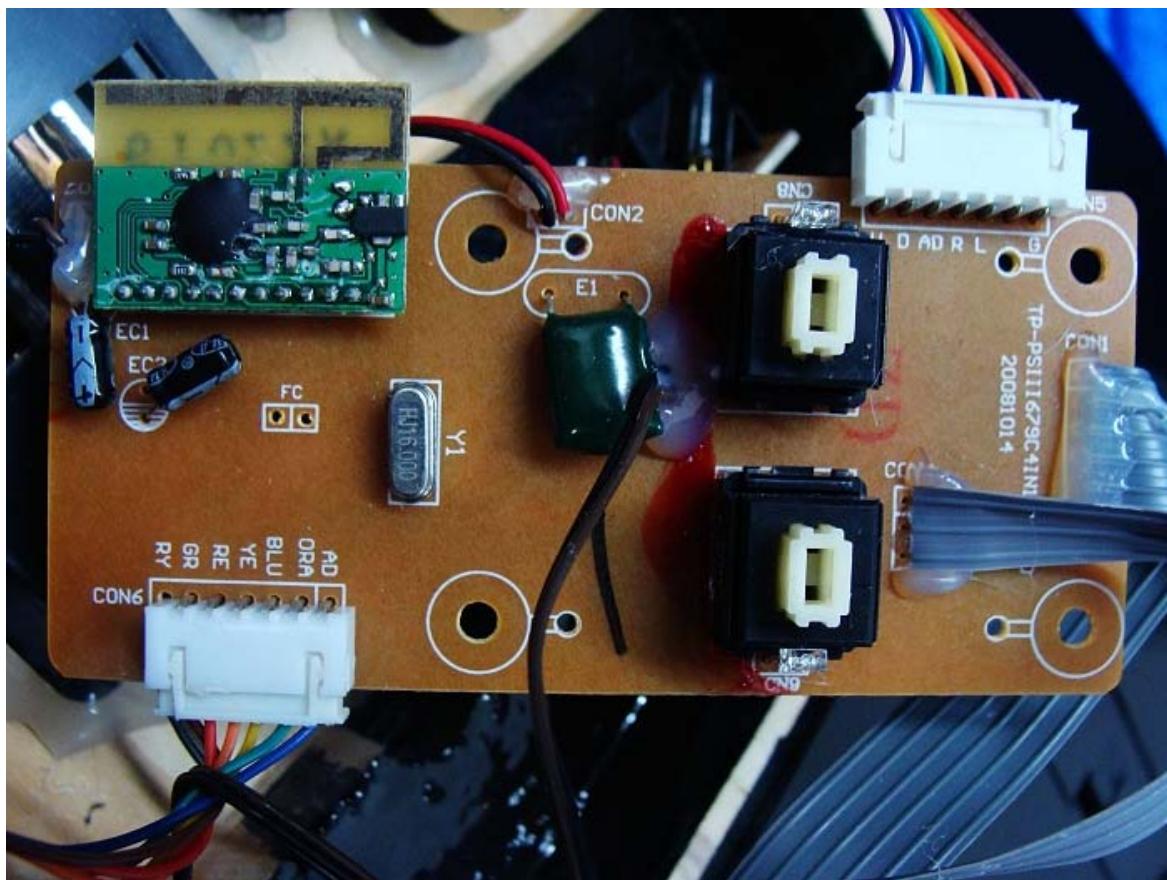
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Interior View



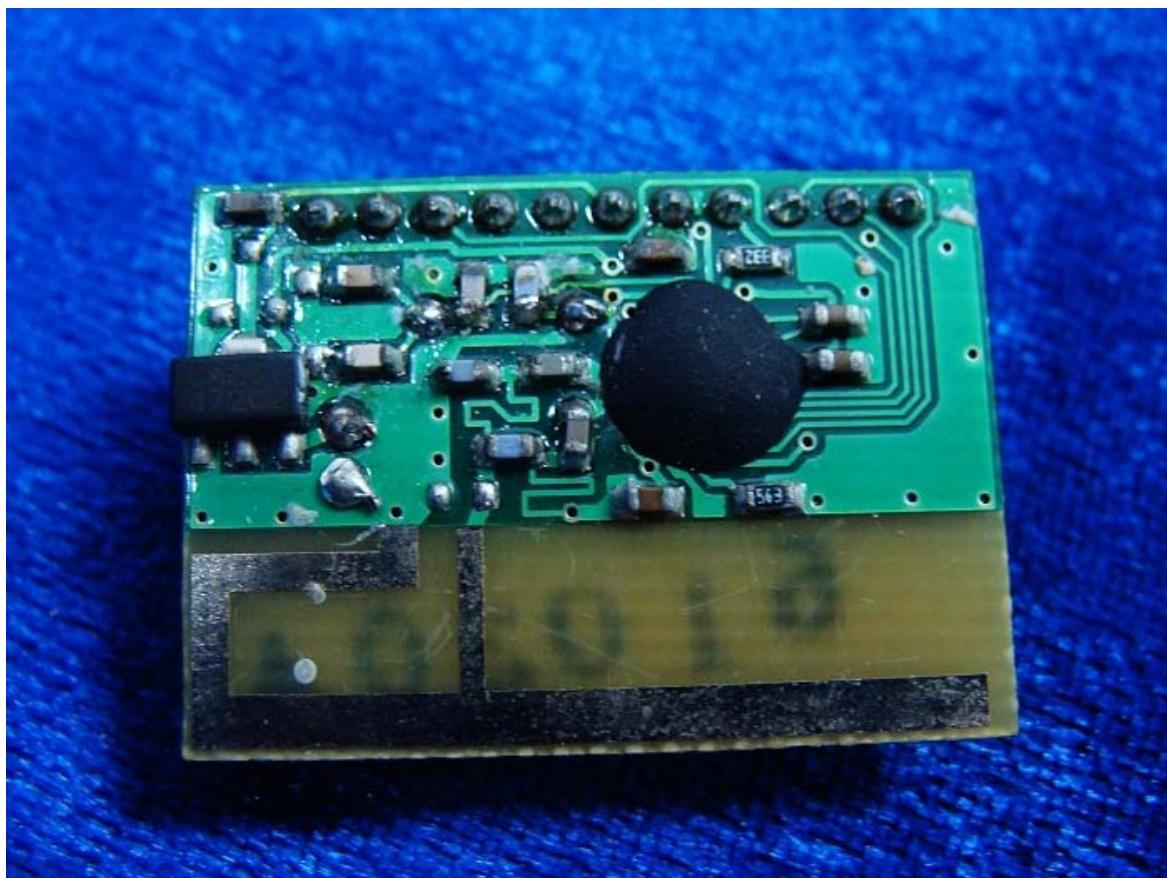
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Interior View



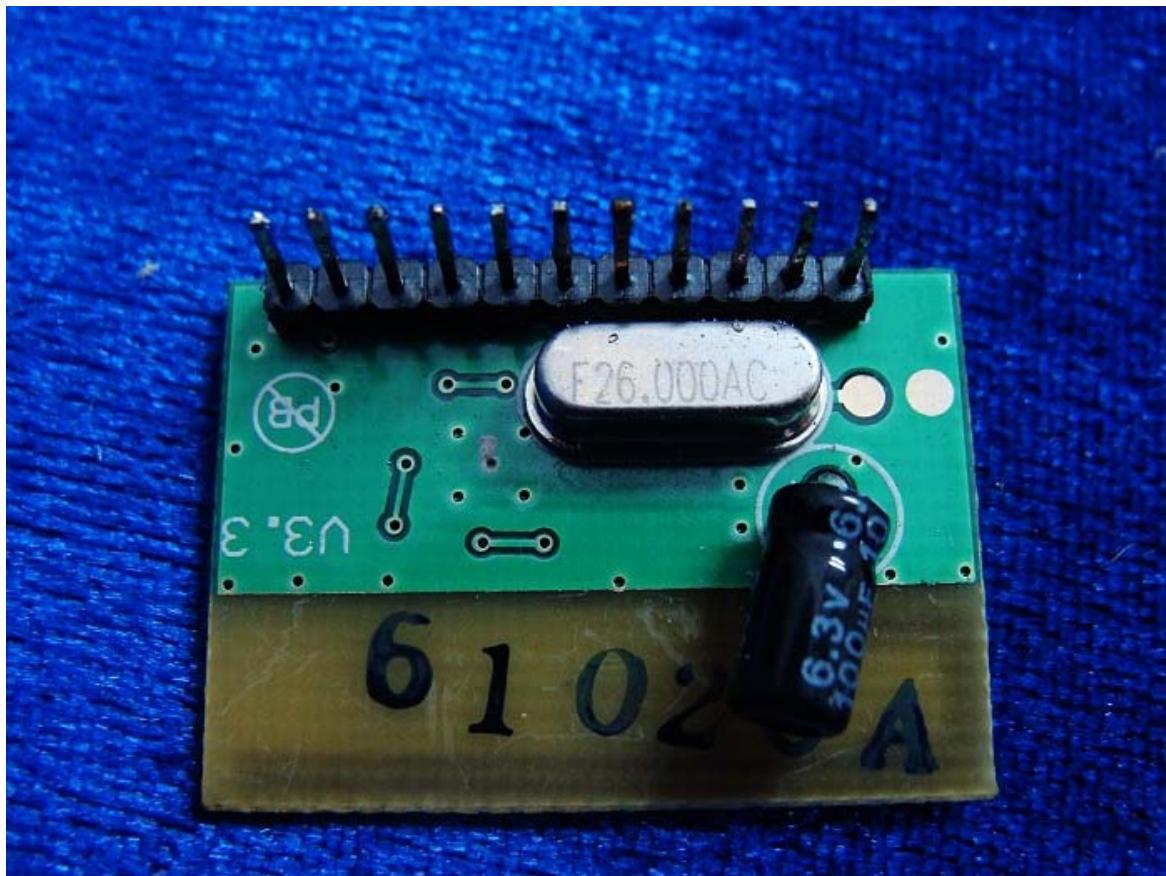
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Interior View



**--End of the report--**

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