FCC CERTIFICATION TEST REPORT FOR

FCC ID: 2AB3B-GUITAR-WING

Report Reference No. ..... :	14EAB03052 11
Date of issue ..... :	2014-04-10
Testing Laboratory ..... :	ATT Product Service Co., Ltd.
Address ..... :	No. 3, ChangLianShan Industrial Park, ChangAn Town, DongGuan City, GuangDong, China.
Applicant's name ..... :	Viditar Inc.
Address ..... :	3108 Industrial Terrace Austin, TX78758 USA
Manufacturer ..... :	Season Components Company Ltd.
Test specification:	
Test item description ..... :	Livid Guitar Wing
Trade Mark ..... :	
Model/Type reference ..... :	Livid Guitar Wing 1
Ratings ..... :	3.7Vdc,25mA

Responsible Engineer

Bin Jiang

（Bin Jiang/ Engineer）

Approved by

（Tomy Wu /EMC Manager）

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TEST REPORT DECLARE

Applicant	:	Viditar Inc.
Address	:	3108 Industrial Terrace Austin, TX78758 USA
Equipment under Test	:	Livid Guitar Wing
Model No	:	Livid Guitar Wing 1
Trade Mark	:	
Manufacturer	:	Season Components Company Ltd.
Address	:	Jun Da Lu,DongKeng,Dongguan,Guangdong,China

Test Standard Used: FCC Rules and Regulations Part 15 Subpart C: 2010

Test procedure used: ANSI C63.10:2009 ANSI C63.4 :2009

FCC ID: 2AB3B-GUITAR-WING

We Declare:

The equipment described above is tested by ATT Product Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and ATT Product Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No:	14EAB03052 11		
Date of Test:	2014-03-25---2014-04-09	**Date of Report**:	2014-04-10

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of ATT Product Service Co., Ltd.

1.Summary of test Standards and results

The EUT have been tested according to the applicable standards as referenced below.

Description of Test Item	Standard	Results
20dB Bandwidth	&15. 215(c) ANSI C63.10 :2009	PASS
Radiated Emission	15.209,&15.205,&15.249 ANSI C63.4 :2009	PASS
Conducted Emissions	&15.207(a) ANSI C63.4 :2009	PASS
Antenna requirement	&15.203	PASS

Note:
1. N/A: the EUT was powered by DC battery in normal use condition

2.General test information

2.1 ACCREDITATIONS

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

USA FCC Registration Number :923232
Canada INDUSTRY CANADA Registration Number 11033A

2.2Description of EUT

EUT* Name	:	Livid Guitar Wing
Model Number	:	Livid Guitar Wing 1
Trade Mark	:	
EUT function description	:	Please reference user manual of this device
Power supply	:	3.7Vdc
Operation frequency	:	2402MHz -2480MHz
Modulation	:	GFSK
Data rate	:	2Mpbs
Antenna Type	:	built-in antenna, maximum PK gain:0dBi
Date of Receipt	:	2014-03-25
Sample Type	:	Series production

2.3Accessories of EUT

Description of Accessories	Manufacturer	Model number or Type	Other
/	/	/	/

2.4Assistant equipment used for test

Description of Assistant equipment	Manufacturer	Model number or Type	Other
Adapter	V-INFINITY	E R500	FCC VOC

2.5Block diagram of EUT configuration for test

Tested mode, channel, information		
Test Mode	Channel	Frequency (MHz)
GFSK Tx Mode	CH0	2402
	CH19	2440
	CH39	2480

Note1: Some modes not apply for all the test items.

2.6Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25℃
Humidity range:	40-75%
Pressure range:	86-106kPa

2.7Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.44dB
Uncertainty for Radiation Emission test (150KHz-30MHz)	3.21dB
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.14 dB (Polarize: V)
	3.16 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz to 25GHz)	2.08dB(Polarize: V)
	2.56dB (Polarize: H)
Uncertainty for radio frequency	1×10-9
Uncertainty for conducted RF Power	0.65dB

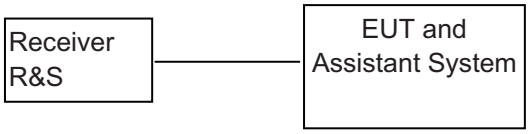
Note：This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. 20dB Bandwidth

3.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	EMI Test Receiver	R&S	ESCI	101307	2014/12/26	1Y
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2014/12/27	1Y
3	RF Cable	Micable	C10-01-01-1	100309	2014/12/27	1Y

3.2 Block diagram of test setup



3.3 Applicable Standard

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated...

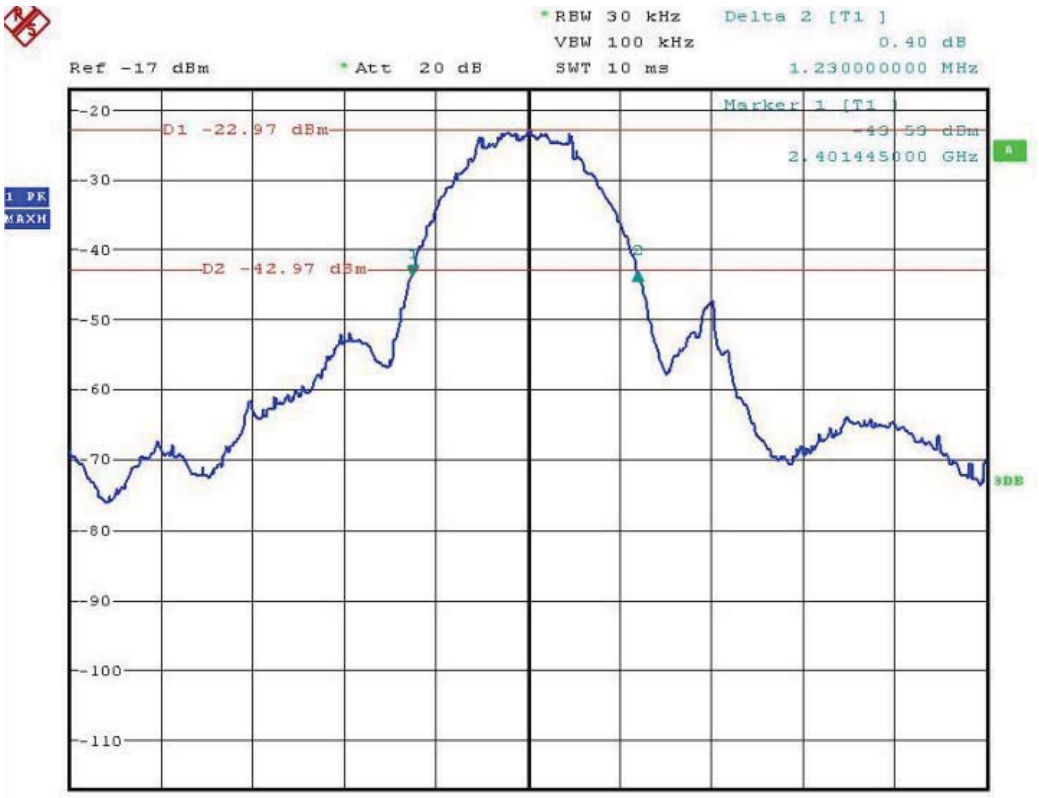
3.4 Test Procedure

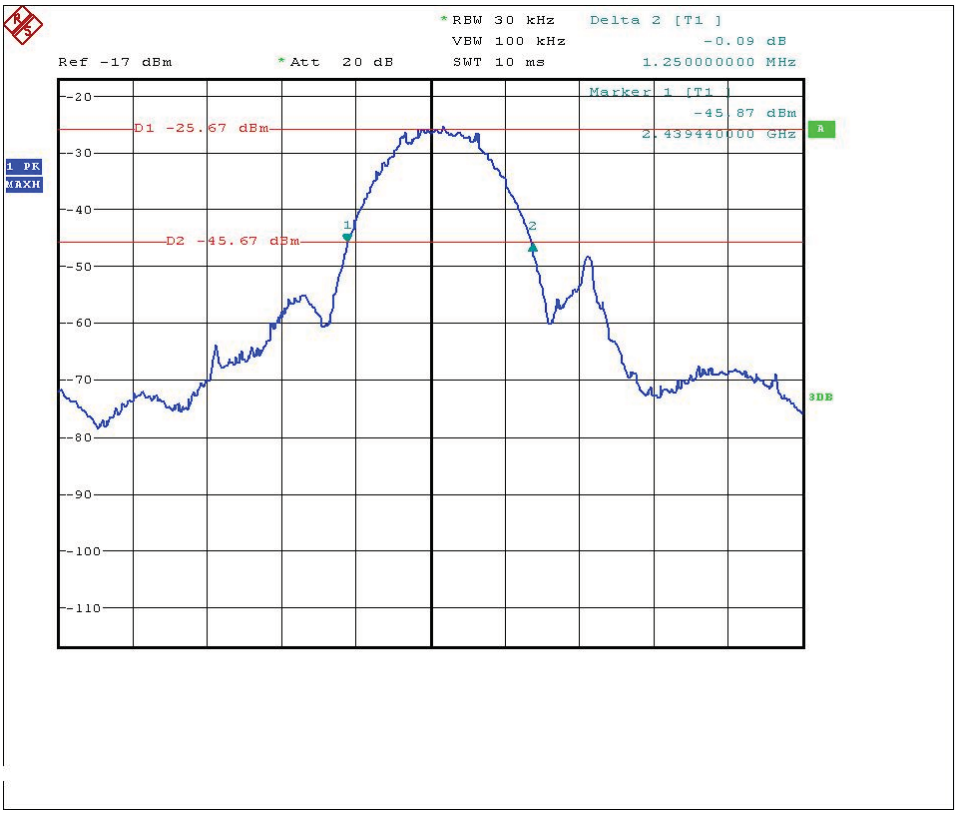
1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT on the test table without connection to measurement instrument. Turn on the EUT. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete..

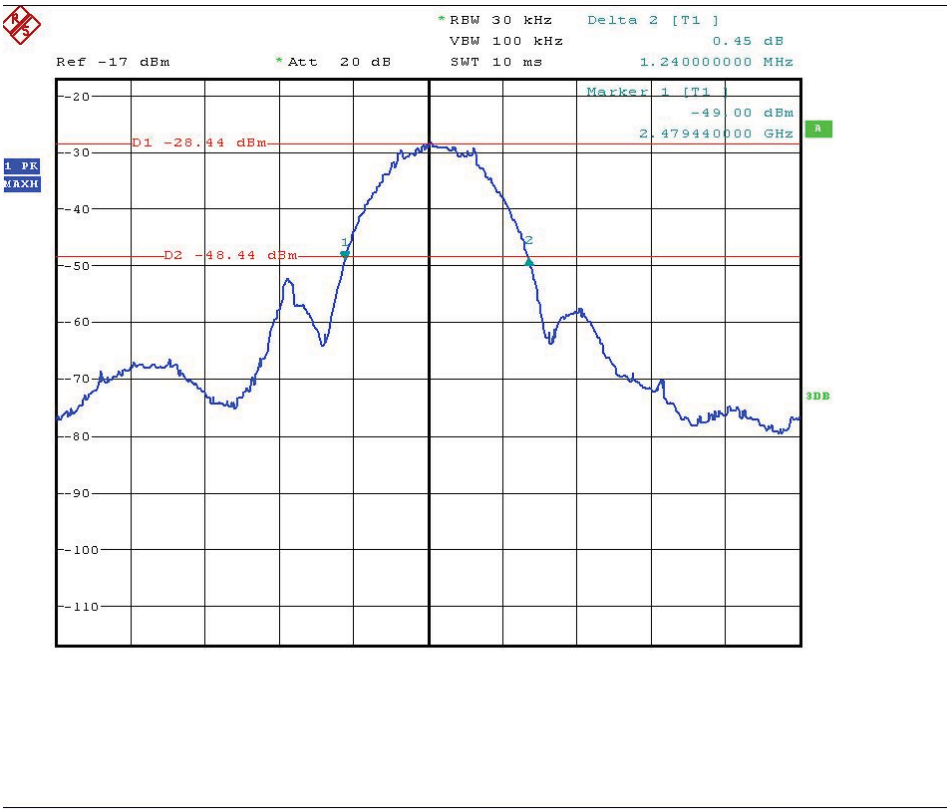
3.5 Test Result

EUT: Livid Guitar Wing M/N: Livid Guitar Wing 1					
Mode	Freq (MHz)	Result (MHz)	Limit (MHz)	Margin (MHz)	Conclusion
GFSK	2402	1.23	/	/	PASS
	2440	1.25	/	/	PASS
	2480	1.24	/	/	PASS
Test Date : 2014-03-26			Test Engineer : Bin Jang		

3.6 Original test data




*RBW 30 kHz
VBW 100 kHz
SWT 10 ms
Delta 2 [T1]
-0.09 dB
1.250000000 MHz
Ref -17 dBm
*Att 20 dB
Marker 1 [T1]
-45.87 dBm
2.439440000 GHz
D1 -25.67 dBm
D2 -45.67 dBm
1 PK
MAXH
3DB


*RBW 30 kHz
VBW 100 kHz
SWT 10 ms
Delta 2 [T1]
0.45 dB
1.240000000 MHz
Ref -17 dBm
*Att 20 dB
Marker 1 [T1]
-49.00 dBm
2.479440000 GHz
D1 -28.44 dBm
D2 -48.44 dBm
1 PK
MAXH
3DB

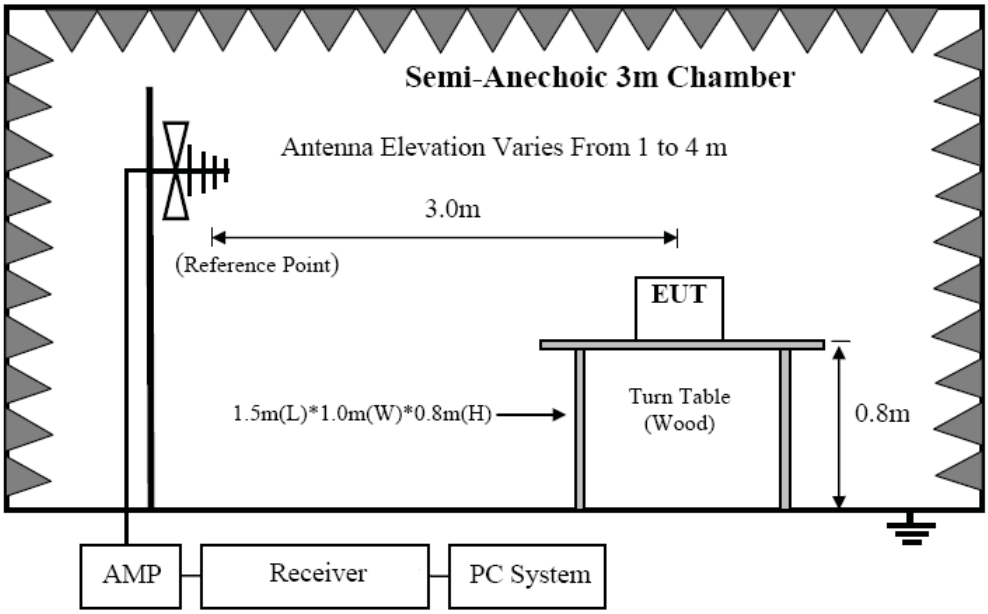
4. Radiated emission

4.1 Test equipment

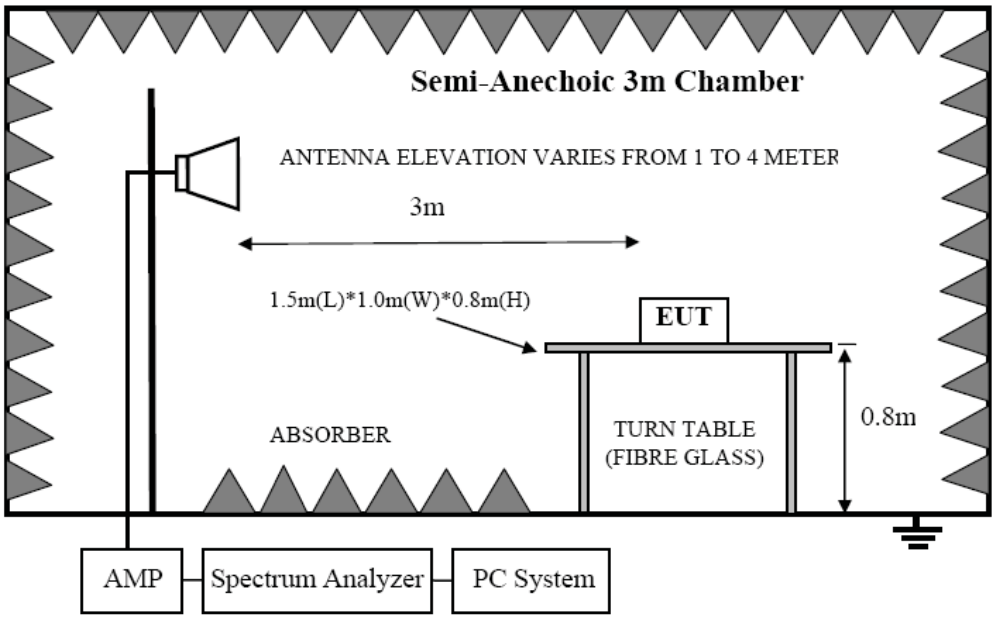
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	EMI Test Receiver	R&S	ESCI	101307	2014/12/26	1Y
2	Spectrum analyzer	Agilent	E4407B	US40240708	2014/07/17	1Y
3	Loop antenna	Chase	HLA6120	20129	2014/12/27	1Y
4	Trilog Broadband Antenna	Schwarzbeck	VULB9163	9163-462	2014/12/27	1Y
5	Double Ridged Horn Antenna	R&S	HF907	100276	2014/12/27	1Y
6	Pre-Amplifier	R&S	SCU-01	10049	2014/12/27	1Y
7	Pre-amplifier	A.H.	PAM0-0118	360	2014/12/27	1Y
8	RF Cable	R&S	R01	10403	2014/12/27	1Y
9	RF Cable	R&S	R02	10512	2014/12/27	1Y
10	Horn Antenna	EMCO	3116	9608-4877	2014/12/27	1Y

4.2 Block diagram of test setup

In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.

4.3 Limit

8.3.1 FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

8.3.2 FCC 15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

8.3.2 FCC 15.249 Limit

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

8.3.3 Limit for this EUT

The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.4-2009. The specification used was the FCC 15.209, and FCC 15.249 limits.

4.4 TEST PROCEDURE

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.

(2) Setup EUT and assistant system according clause 2.4 and 8.2

(3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.

(a) Change work frequency or channel of device if practicable.

(b) Change modulation type of device if practicable.

(c) Change power supply range from 85% to 115% of the rated supply voltage

(d) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions

(4) Spectrum frequency from 9MHz to 25GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9KHz to 30MHz and 18GHz to 25GHz, so

below final test was performed with frequency range from 30MHz to 18GHz.

(5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2009 on Radiated Emission test.

(6) For emissions from 30MHz to 1GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 KHz.

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure, Detector is at PK; RBW is set at 1MHz, VBW is set at 10Hz for Average measure, Detector is at PK..

4.5 Test result

PASS. (See below detailed test result)

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, and section 15.205, 15.209 and 15.249, Vertical and Horizontal mode all have been tested ，Horizontal mode is the worse case .with the worst margin reading of:

6.02 dB at 2483.5 MHz in the Horizontal polarization.

Radiated Emission Test Result

Test Mode:GFSK

Test Site	: 3m Chamber		
Test Date	: 2014-03-28	**Tested By**	: Bin Jiang
EUT	: Livid Guitar Wing	**Model Number**	: Livid Guitar Wing 1
Power Supply	: 3.7Vdc	**Test Mode**	: Tx mode CH0,CH19,CH39
Condition	: Temp:24.5'C,Humi:55%	**Antenna/Distance**	: 3m

Frequency	Receiver		Rx Antenna		Cable Loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	FCC 15.249	
(MHz)	Reading (dBμV)	Detector (PK/QP/ AV)	Polar (H/V)	Factor (dB)				Limit (dBμV/m)	Margin (dB)
Low Channel (2402)									
2402	72.13	PK	H	28	3.65	0	103.78	114	10.22
2402	57.39	AV	H	28	3.65	0	89.04	94	4.96
2402	67.39	PK	V	28	3.65	0	99.04	114	14.96
2402	55.63	AV	V	28	3.65	0	87.28	94	6.72
2390	30.34	PK	H	28.4	3.57	0	62.31	74	11.69
2390	16.28	AV	H	28.4	3.57	0	48.25	54	5.75
2390	28.24	PK	V	28.4	3.57	0	60.21	74	13.79
2390	16.08	AV	V	28.4	3.57	0	48.05	54	5.95
2400	31.26	PK	H	28.4	3.57	0	63.23	74	10.77
2400	16.86	AV	H	28.4	3.57	0	48.83	54	5.17
2400	30.86	PK	V	28.4	3.57	0	62.83	74	10.77
2400	16.15	AV	V	28.4	3.57	0	48.12	54	5.17
4804	50.31	PK	H	32.3	5.91	31.78	56.74	74	17.26
4804	30.21	AV	H	32.3	5.91	31.78	36.64	54	17.36
4804	48.36	PK	V	32.3	5.91	31.78	54.79	74	19.21
4804	28.73	AV	V	32.3	5.91	31.78	35.16	54	18.84
7206	44.35	PK	H	36.3	6.34	30.97	56.02	74	17.98
7206	28.61	AV	H	36.3	6.34	30.97	40.28	54	13.72
7206	43.25	PK	V	36.3	6.34	30.97	54.92	74	19.08
7206	27.43	AV	V	36.3	6.34	30.97	39.1	54	14.9
9608	43.28	PK	H	37.9	8.01	30.86	58.33	74	15.67
9608	27.31	AV	H	37.9	8.01	30.86	42.36	54	11.64
9608	41.96	PK	V	37.9	8.01	30.86	57.01	74	16.99
9608	27.02	AV	V	37.9	8.01	30.86	42.07	54	11.93
113.31	39.73	QP	H	12.8	2.63	27.2	27.96	43.5	15.54
113.31	37.56	QP	V	12.8	2.63	27.2	25.79	43.5	17.71
Middle Channel (2440)									
2440	73.14	PK	H	28.7	3.74	0	105.58	114	8.42
2440	58.31	AV	H	28.7	3.74	0	90.75	94	3.25
2440	66.94	PK	V	28.7	3.74	0	99.38	114	14.62
2440	53.24	AV	V	28.7	3.74	0	85.68	94	8.32
4880	48.55	PK	H	32.6	6.15	31.78	55.52	74	18.48
4880	30.92	AV	H	32.6	6.15	31.78	37.89	54	16.11
4880	48.01	PK	V	32.6	6.15	31.78	54.98	74	19.02
4880	30.11	AV	V	32.6	6.15	31.78	37.08	54	16.92

7320	44.15	PK	H	36.7	6.22	30.97	56.1	74	17.9
7320	29.67	AV	H	36.7	6.22	30.97	41.62	54	12.38
7320	43.28	PK	V	36.7	6.22	30.97	55.23	74	18.77
7320	28.96	AV	V	36.7	6.22	30.97	40.91	54	13.09
9760	44.12	PK	H	38.2	8.11	30.86	59.57	74	14.43
9760	28.61	AV	H	38.2	8.11	30.86	44.06	54	9.94
9760	43.15	PK	V	38.2	8.11	30.86	58.6	74	15.4
9760	27.89	AV	V	38.2	8.11	30.86	43.34	54	10.66
113.39	40.28	QP	H	12.8	2.63	27.2	28.51	43.5	14.99
113.39	38.76	QP	V	12.8	2.63	27.2	26.99	43.5	16.51
High Channel (2480)									
2480	72.86	PK	H	29.1	3.81	0	105.77	114	8.23
2480	57.41	AV	H	29.1	3.81	0	90.32	94	3.68
2480	65.42	PK	V	29.1	3.81	0	98.33	114	15.67
2480	55.31	AV	V	29.1	3.81	0	88.22	94	5.78
2483.5	34.25	PK	H	28.7	3.62	0	66.57	74	7.43
2483.5	16.33	AV	H	28.7	3.62	0	48.65	54	5.35
2483.5	33.19	PK	V	28.7	3.62	0	65.51	74	8.49
2483.5	16.17	AV	V	28.7	3.62	0	48.49	54	5.51
4960	48.36	PK	H	32.8	6.17	31.78	55.55	74	18.45
4960	31.22	AV	H	32.8	6.17	31.78	38.41	54	15.59
4960	46.58	PK	V	32.8	6.17	31.78	57.33	74	20.23
4960	30.14	AV	V	32.8	6.17	31.78	37.33	54	16.67
7440	45.28	PK	H	36.8	6.26	30.97	57.37	74	16.63
7440	28.61	AV	H	36.8	6.26	30.97	40.7	54	13.3
7440	43.56	PK	V	36.8	6.26	30.97	55.65	74	18.35
7440	28.12	AV	V	36.8	6.26	30.97	40.21	54	13.79
9920	43.68	PK	H	38.4	8.17	30.86	59.39	74	14.61
9920	27.86	AV	H	38.4	8.17	30.86	43.57	54	10.43
9920	41.92	PK	V	38.4	8.17	30.86	57.63	74	16.37
9920	27.43	AV	V	38.4	8.17	30.86	43.14	54	10.83
113.52	38.63	QP	H	12.8	2.63	27.2	26.86	43.5	16.64
113.52	36.52	QP	V	12.8	2.63	27.2	24.75	43.5	18.75

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with QP limit, QP Result is deemed to comply with QP limit

6. Antenna Requirements

6.1 Limit

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.249 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

6.2 Result

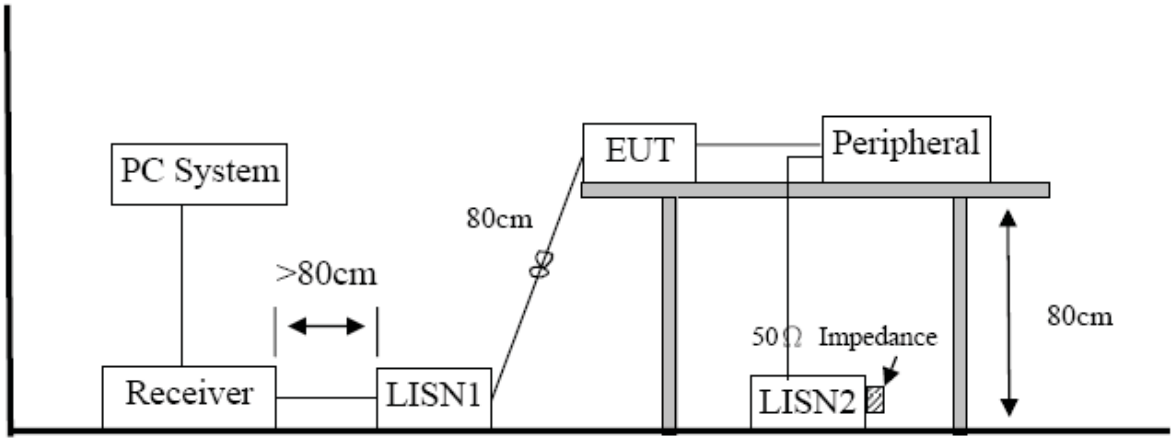
The EUT has an internal chip antenna permanently soldering on the printed circuit board, which complied with 15.203, the maximum gain was 0dBi.

7.Power Line Conducted Emission

7.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	R&S	ESCI	101308	2014/11/26	1 Year
2	LISN 1	AFJ	LS16	16011103219	2014/12/28	1 Year
3	LISN 2	R&S	ESH2-Z5	100309	2014/12/28	1 Year
4	Pulse Limiter	MTS-systemtechnik	MTS-IMP-136	261115-010-0024	2014/12/28	1 Year

7.2 Block diagram of test setup



7.3 Power Line Conducted Emission Limits(Class B)

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies

7.4 Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

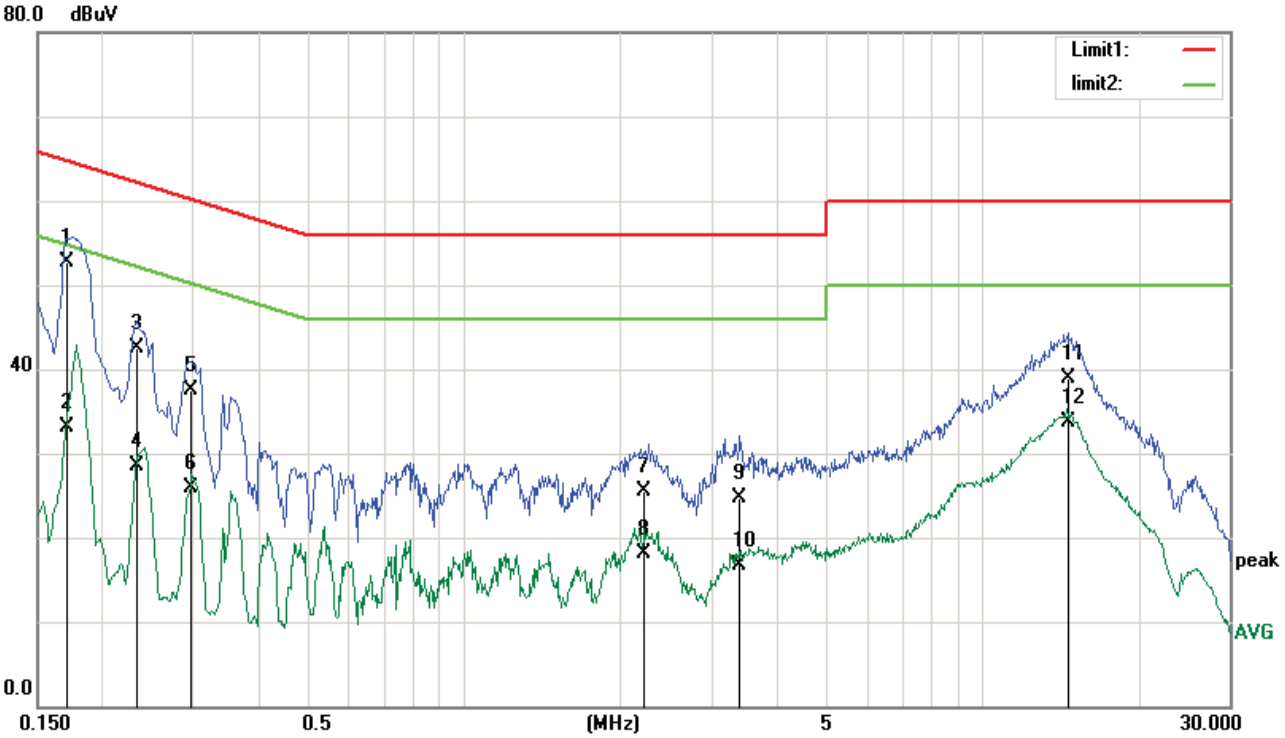
The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 KHz.

7.5 Test Result

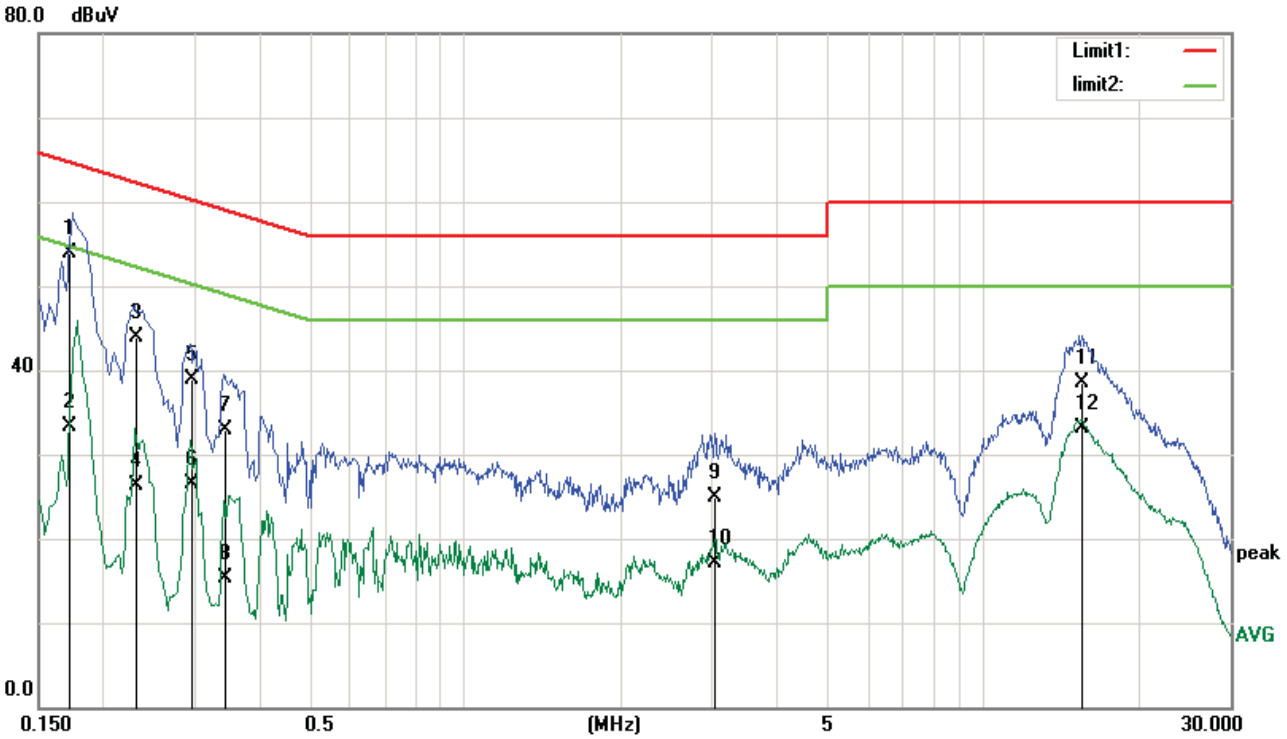
PASS. (See below detailed test result)

EUT:	Livid Guitar Wing	Model No.:	Livid Guitar Wing 1
Temperature:	24℃	Relative Humidity:	55%
Probe:	N	Test Power:	AC 120V/60Hz
Standard:	(CE)FCC PART 15 class B_QP	Test Result:	Pass
Test Mode:	KEEPING TX	Test By:	Dylan
Note:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1711	41.42	11.32	52.74	64.90	-12.16	QP
2	0.1711	21.74	11.32	33.06	54.90	-21.84	AVG
3	0.2340	31.60	10.89	42.49	62.30	-19.81	QP
4	0.2340	17.58	10.89	28.47	52.30	-23.83	AVG
5	0.2956	26.99	10.47	37.46	60.36	-22.90	QP
6	0.2956	15.40	10.47	25.87	50.36	-24.49	AVG
7	2.2199	15.45	10.12	25.57	56.00	-30.43	QP
8	2.2199	8.06	10.12	18.18	46.00	-27.82	AVG
9	3.3866	14.49	10.14	24.63	56.00	-31.37	QP
10	3.3866	6.65	10.14	16.79	46.00	-29.21	AVG
11	14.6450	28.83	10.17	39.00	60.00	-21.00	QP
12	14.6450	23.60	10.17	33.77	50.00	-16.23	AVG

EUT:	Livid Guitar Wing	Model No.:	Livid Guitar Wing 1
Temperature:	24℃	Relative Humidity:	55%
Probe:	L1	Test Power:	AC 120V/60Hz
Standard:	(CE)FCC PART 15 class B_QP	Test Result:	Pass
Test Mode:	KEEPING TX	Test By:	Dylan
Note:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1718	42.63	11.32	53.95	64.87	-10.92	QP
2	0.1718	22.02	11.32	33.34	54.87	-21.53	AVG
3	0.2323	33.04	10.90	43.94	62.36	-18.42	QP
4	0.2323	15.49	10.90	26.39	52.36	-25.97	AVG
5	0.2972	28.39	10.46	38.85	60.32	-21.47	QP
6	0.2972	16.02	10.46	26.48	50.32	-23.84	AVG
7	0.3438	22.43	10.38	32.81	59.11	-26.30	QP
8	0.3438	4.98	10.38	15.36	49.11	-33.75	AVG
9	3.0358	14.71	10.14	24.85	56.00	-31.15	QP
10	3.0358	6.96	10.14	17.10	46.00	-28.90	AVG
11	15.5264	28.40	10.16	38.56	60.00	-21.44	QP
12	15.5264	22.89	10.16	33.05	50.00	-16.95	AVG

END OF REPORT