



FCC PART 15.247 TEST REPORT

For

Voyetra Turtle Beach, Inc.

150 Clearbrook Road, Suite 162, Elmsford, New York 10523, USA

FCC ID: XGB-TB2270

Report Type:

Product Type:

Original Report

EAR FORCE X42 Headset

Felix Li

Di Hung

Test Engineer: Felix Li

Report Number: R1DG111130023-00A

Report Date: 2012-01-30

Alvin Huang

Reviewed By: EMC Engineer

Test Laboratory: Bay Area Compliance Laboratories Corp. (Shenzhen)

6/F, the 3rd Phase of WanLi Industrial Building,

ShiHua Road, FuTian Free Trade Zone

Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008 www.baclcorp.com.cn

Note: This test report is prepared for the customer shown above and for the equipment described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP*, or any agency of the Federal Government.

* This report contains data that are not covered by the NVLAP accreditation and are marked with an asterisk "★" (Rev.2)

TABLE OF CONTENTS

GENERAL INFORMATION	4
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	
OBJECTIVE	
RELATED SUBMITTAL(S)/GRANT(S) TEST METHODOLOGY	
TEST FACILITY	
SYSTEM TEST CONFIGURATION	6
DESCRIPTION OF TEST CONFIGURATION	6
EUT Exercise Software	
EQUIPMENT MODIFICATIONS	
LOCAL SUPPORT EQUIPMENT LIST AND DETAILS	
BLOCK DIAGRAM OF TEST SETUP	
SUMMARY OF TEST RESULTS	
FCC §15.247(i) & §2.1093 - RF EXPOSURE	
APPLICABLE STANDARD	
FCC §15.203 - ANTENNA REQUIREMENT	
APPLICABLE STANDARD	
APPLICABLE STANDARD ANTENNA CONNECTOR CONSTRUCTION	
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS	
APPLICABLE STANDARD	
EUT SETUP	
EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP	11
TEST PROCEDURE	
CORRECTED AMPLITUDE & MARGIN CALCULATION	
TEST EQUIPMENT LIST AND DETAILS TEST RESULTS SUMMARY	
TEST DATA	
FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH	15
APPLICABLE STANDARD	15
TEST PROCEDURE	
TEST EQUIPMENT LIST AND DETAILS	
TEST DATA	
FCC §15.247(b) (3) - MAXIMUM PEAK OUTPUT POWER	
APPLICABLE STANDARD	
TEST PROCEDURE TEST EQUIPMENT LIST AND DETAILS	
TEST DATA	
FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE	19
APPLICABLE STANDARD	
TEST PROCEDURE	19
TEST EQUIPMENT LIST AND DETAILS	19

Test Data	19
FCC §15.247(e) - POWER SPECTRAL DENSITY	22
APPLICABLE STANDARD	22
TEST PROCEDURE	
TEST EQUIPMENT LIST AND DETAILS.	22
TEST DATA	22

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Voyetra Turtle Beach, Inc.*'s product, model number: *TB300-2270-01 (FCC ID: XGB-TB2270)* ("EUT") in this report was an *EAR FORCE X42 Headset*, which was measured approximately: 20.0 cm (L) x 15.0 cm (W) x 9.0 cm (H), rated input voltage: DC 3V battery.

Report No.: R1DG111130023-00A

Item	Transmitter Specification
Operation Channel	2462 MHz
Channel Bandwidth	20 MHz
Antennas(soldered on the PCB)	-3.0 dBi
RF Output Power	-0.22 dBm
Modulation	OFDM

^{*} All measurement and test data in this report was gathered from production sample serial number: 11113023 (Assigned by Shenzhen BACL). The EUT was received on 2011-11-30.

Objective

This report is prepared on behalf of *Voyetra Turtle Beach, Inc.* in accordance with Part 2-Subpart J, Part 15-Subparts A, B and C of the Federal Communication Commissions rules.

The tests were performed in order to determine the compliance of the EUT with FCC Part 15-Subpart C, and section 15.203, 15.205, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

Part 15.407 NII submission with FCC ID: XGB-TB2270 Part 15.247, 15.407 submissions with FCC ID: XGB-TB2271

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

The uncertainty of any RF tests which use conducted method measurement is ± 0.96 dB, the uncertainty of any radiation on emissions measurement is ± 4.0 dB

FCC Part 15.247 Page 4 of 23

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

Report No.: R1DG111130023-00A

Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on December 06, 2010.

The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Laboratories Corp. (Shenzhen) is an ISO/IEC 17025 accredited laboratory, and is accredited by National Voluntary Laboratory Accredited Program (Lab Code 200707-0).



The current scope of accreditations can be found at http://ts.nist.gov/Standards/scopes/2007070.htm

FCC Part 15.247 Page 5 of 23

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

The EUT transmit at antenna 0(Chain 0) and antenna 1(Chain 1) individually. And the two RF ports of the circuit are the same; we select antenna 0 port to test.

EUT Exercise Software

Test software: Docklight scripting

Equipment Modifications

No modification was made to the EUT tested.

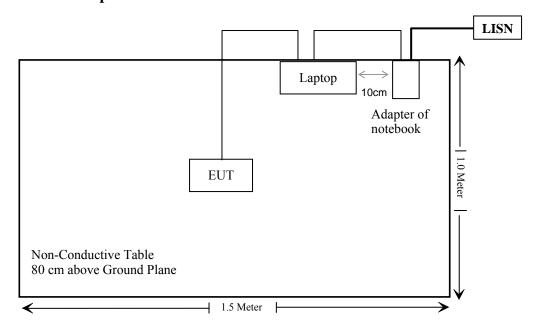
Local Support Equipment List and Details

Manufacturer	Manufacturer Description M		Serial Number
IBM	Laptop	T40	N/A

External I/O Cable

Cable Description	Length (m)	From Port	То
/	/	/	/

Block Diagram of Test Setup



FCC Part 15.247 Page 6 of 23

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i), §2.1093	RF Exposure	Compliance
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	N/A*
§15.247(d)	Spurious Emissions at Antenna Port	Compliance
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
§15.247(b)(3)	Maximum Peak Output Power	Compliance
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliance
§15.247(e)	Power Spectral Density	Compliance

Note: N/A* Battery supply only.

FCC Part 15.247 Page 7 of 23

FCC §15.247(i) & §2.1093 - RF EXPOSURE

Applicable Standard

According to subpart 15.247(i)and subpart §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Report No.: R1DG111130023-00A

According to KDB 447498 D01 Mobile Portable RF Exposure v03r03, no SAR required if power is lower than the flowing threshold:

When routine evaluation is required for SAR and the output power is \leq 60/f(GHz) mW, the test reduction and test exclusion procedures given herein, or in KDB 616217 or KDB 648474, are applicable.

A device may be used in portable exposure conditions with no restrictions on host platforms when either the source-based time-averaged output power is $\leq 60/f(GHz)$ mW or all measured 1-g SAR are < 0.4 W/kg.10 When SAR evaluation is required, the most conservative exposure conditions for all expected operating configurations must be tested.

Result

Conducted peak output power: -0.22 dBm Antenna Gain:-3.0 dBi

EIRP = -0.22-3 = -3.22 dBm = 0.48 mW

SAR exempted threshold $60/f_{GHz} = 60/2.462 = 24.37 \text{ mW}$

Maximum output power of EUT is less than SAR threshold, SAR evaluation is not required.

FCC Part 15.247 Page 8 of 23

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC §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. 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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

Report No.: R1DG111130023-00A

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (i), Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi

Antenna Connector Construction

The EUT has two patch ceramic antennas on the PCB, which in accordance to section 15.203, the maximum gain is -3 Bi; please refer to the internal photos.

Result: Compliance.

FCC Part 15.247 Page 9 of 23

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

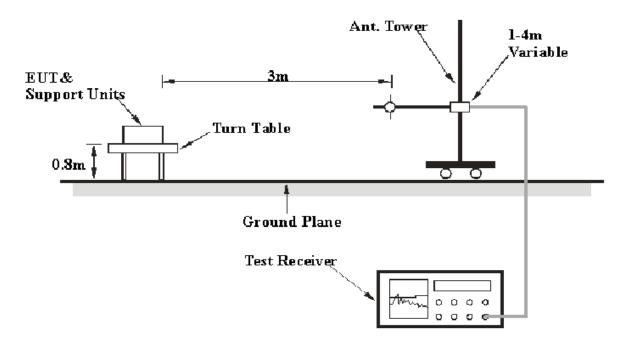
FCC §15.247 (d); §15.209; §15.205.

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on CISPR 16-4-4, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at Bay Area Compliance Laboratories Corp. (Shenzhen) is 4.0 dB(k=2, 95% level of confidence).

EUT Setup



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2009. The specification used was the FCC 15.209, and FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle

The spacing between the peripherals was 10 cm. The adapter of laptop was connected to a 120 VAC/60 Hz power source

FCC Part 15.247 Page 10 of 23

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Report No.: R1DG111130023-00A

Frequency Range	RBW	Video B/W	Detector
30 MHz – 1000 MHz	100 kHz	300 kHz	QP
1000 MHz – 25 GHz	1 MHz	3 MHz	PK
1000 MHz – 25 GHz	1 MHz	10 Hz	Ave.

Test Procedure

During the radiated emission test, the adapter of laptop was connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

FCC Part 15.247 Page 11 of 23

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
НР	Pre-amplifier	HP8447D	2944A09795	2011-08-02	2012-08-01
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2011-11-11	2012-11-10
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2011-07-05	2012-07-04
Mini-circuits	Pre-amplifier	ZVA-213+	Т-Е27Н	2011-03-08	2012-03-07
Sunol Sciences	Horn Antenna	DRH-118	A052604	2011-05-05	2012-05-04
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07
Electro-Mechanics	Horn antenna	3116	9510-2270	2011-10-11	2012-11-10

Report No.: R1DG111130023-00A

Test Results Summary

According to the recorded data in following table, the EUT complied with the <u>FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247</u>, with the worst margin reading of:

3.9 dB at 186.3245 MHz in the Horizontal polarization

Test Data

Environmental Conditions

Temperature:	25 ° C		
Relative Humidity:	56 %		
ATM Pressure:	100.0 kPa		

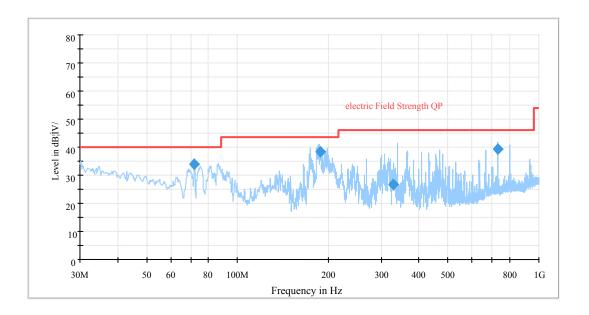
The testing was performed by Felix Li on 2011-12-16.

FCC Part 15.247 Page 12 of 23

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Mode: Transmitting

1) 30-1000 MHz:



Frequency (MHz)	Corrected Amplitude (dBµV/m)	Ant. Height (cm)	Ant. Polarity (H/V)	Turntable Position (degree)	Correction Factor (dB)	Limit (dBµV/m)	Margin (dB)
186.324500	39.6	190.0	Н	125.0	-15.0	43.5	3.9*
72.029500	33.7	400.0	Н	345.0	-18.2	40.0	6.3
729.028250	35.3	101.0	V	13.0	-2.7	46.0	10.7
339.806750	25.2	206.0	V	118.0	-11.3	46.0	20.8

 $[*]Within\ measurement\ uncertainty.$

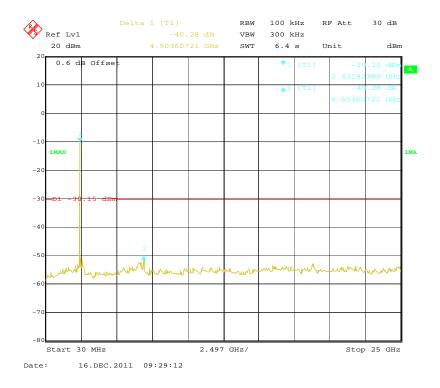
Note: The data which below20 dB of the limit was not recorded.

FCC Part 15.247 Page 13 of 23

Indic	ated		Table	Test An	tenna	Corre	Correction Factor		FCC Part 15.247		/15.205/	15.209
Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/Ave.)	Angle	Height (m)	Polar (H/V)	Factor	Cable Loss (dB)	Pre- Amp. (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Comment
Channel Frequency (2462 MHz)												
4924	34.89	Ave.	90	1.0	Н	36.3	4.30	26.75	48.74	54	5.26	harmonic
4924	28.07	Ave.	35	1.6	V	35.0	4.30	26.75	40.62	54	13.38	harmonic
4924	42.28	PK	90	1.0	Н	36.3	4.30	26.75	56.13	74	17.87	harmonic
2300	30.95	Ave.	130	1.4	Н	28.9	2.99	26.85	35.99	54	18.01	spurious
2300	27.56	Ave.	145	1.2	V	28.9	2.99	26.85	32.60	54	21.40	spurious
4924	38.30	PK	120	1.6	V	35.0	4.30	26.75	50.85	74	23.15	harmonic
2300	43.49	PK	130	1.4	Н	28.9	2.99	26.85	48.53	74	25.47	spurious
2300	40.38	PK	145	1.2	V	28.9	2.99	26.85	45.42	74	28.58	spurious

Report No.: R1DG111130023-00A

3) Conducted Spurious Emissions at Antenna Port:



FCC Part 15.247 Page 14 of 23

FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH

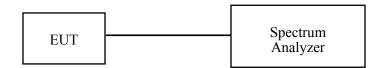
Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Report No.: R1DG111130023-00A

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 without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. 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 6 dB from the reference level. Record the frequency difference as the emission bandwidth.
- 4. Repeat above procedures until all frequencies measured were complete.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07

^{*} **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Data

Environmental Conditions

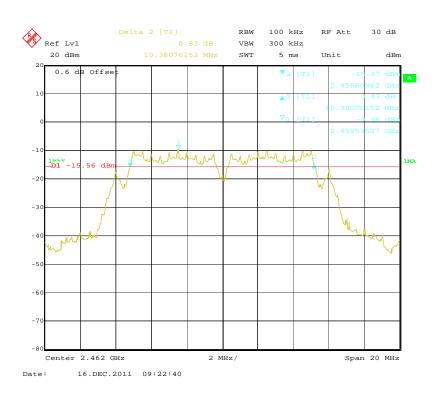
Temperature:	25 °C
Relative Humidity:	56%
ATM Pressure:	100.0kPa

The testing was performed by Felix Li on 2011-12-16.

Test Result: Pass, please refer to the following table and plot.

FCC Part 15.247 Page 15 of 23

Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (kHz)	Result
2462	10.38	> 500	Pass



FCC Part 15.247 Page 16 of 23

FCC §15.247(b) (3) - MAXIMUM PEAK OUTPUT POWER

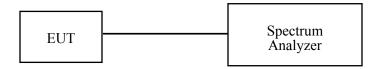
Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Report No.: R1DG111130023-00A

Test Procedure

- 1. Place the EUT on a bench and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to an EMI Test Receiver.
- 3. Add a correction factor to the display.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Data

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	56 %
ATM Pressure:	100.0 kPa

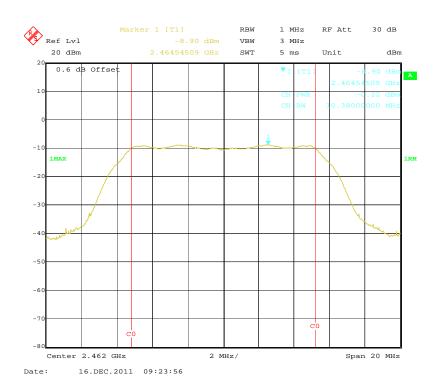
The testing was performed by Felix Li on 2011-12-16.

FCC Part 15.247 Page 17 of 23

Test Mode: Transmitting

Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
2462	-0.22	30	pass

Output Power



FCC Part 15.247 Page 18 of 23

FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE

Report No.: R1DG111130023-00A

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

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 without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- 5. Repeat above procedures until all measured frequencies were complete.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07

^{*} **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Data

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	56 %
ATM Pressure:	100.0 kPa

The testing was performed by Felix Li on 2011-12-16

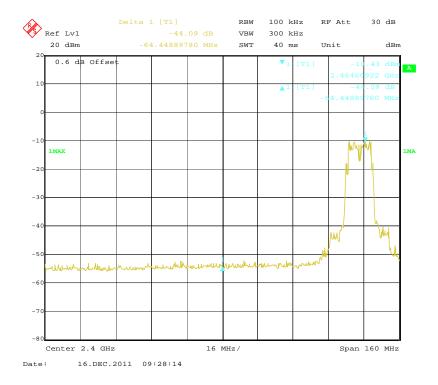
Test Result: Compliance

FCC Part 15.247 Page 19 of 23

Frequency Band (MHz)	Delta Peak to Band Emission (dBc)	Limit (dBc)	Result
Left-band	44.09	≥ 20	Pass
Right-band	36.62	≥ 20	Pass

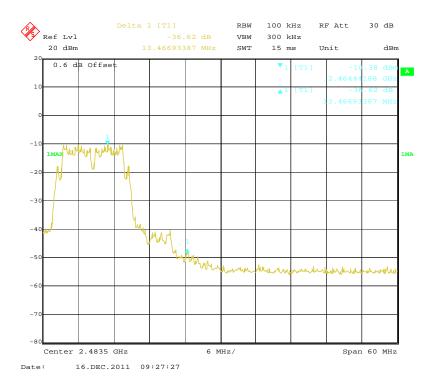
Please refer to following plots.

Left Band Edge



FCC Part 15.247 Page 20 of 23

Right Band Edge



FCC Part 15.247 Page 21 of 23

FCC §15.247(e) - POWER SPECTRAL DENSITY

Applicable Standard

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Report No.: R1DG111130023-00A

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 was set without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3. Adjust the center frequency of SA on any frequency be measured and set SA to 1.5MHz span mode. And then, set RBW and VBW of spectrum analyzer to proper value. (DTS)
- 4. Repeat above procedures until all frequencies measured were complete.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ 26	609358	2011-07-08	2012-07-07

^{*} **Statement of Traceability:** Bay Area Compliance Lab Corp. (ShenZhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Data

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	56 %
ATM Pressure:	100.0 kPa

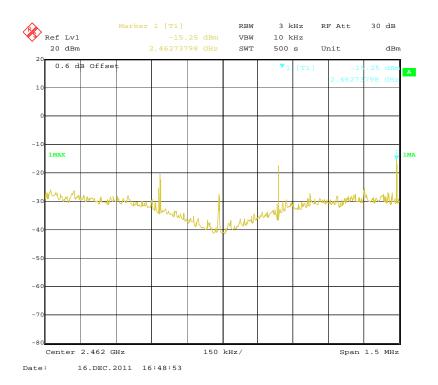
The testing was performed by Felix Li on 2011-12-16.

Test Mode: Transmitting

Test Result: Pass

FCC Part 15.247 Page 22 of 23

Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
2462	-15.25	8	pass



***** END OF REPORT *****

FCC Part 15.247 Page 23 of 23