

## CENTRE OF TESTING SERVICE INTERNATIONAL

**OPERATE ACCORDING TO ISO/IEC 17025** 

# FCC ID TEST REPORT

TEST REPORT NUMBER: CGZ3121114-00913-E



CENTRE OF TESTING SERVICE CO., LTD.

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China.





	TEST REPORT For FCC ID 47 CFR PART 15 OCT, 2012
Report Reference No	. CGZ3121114-00913-E
Date of issue	. 14~21 November 2012
Testing Laboratory Name	. CETRE OF TESTING SERVICE CO., LTD.
Address	Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China.
Testing location/ procedure	. Full application of Harmonised standards ■
	Partial application of Harmonised standards $\square$
	Other standard testing method $\square$
Applicant's name	. VENTURE GLOBAL LTD.
Address	. ROOM 2506, 25/F, STAR CENTRE, 443-451 CASTLE PEAK ROAD, KWAI CHUNG,N.T. HONG KONG.
Test specification	•
Standard	· 47 CFR PART 15 OCT, 2012; ANSI C63.4-2009
Test Report Form No	. CTSEMC-1.0
TRF Originator	. CENTRE OF TESTING SERVICE CO., LTD
Master TRF	. Dated 2009-01
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Test item description	Mail Box Alert
Trade Mark	VENGUARD
Manufacturer	VENTURE GLOBAL LTD.
Model/Type reference	HAX-200
Ratings	Battery 12V
Operating Frequency	. 914.8MHz/ FSK
Result	. Positive

Compiled by:

Supervised by:

Approved by:

Kate zhang / File administrators

Duke yang / Technique principal

Vincent yao / Manager

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## FCCID-TEST REPORT

Test Report No. : CGZ3121114-00913-E 

21 November 2012
Date of issue

Type / Model	HAX-200
EUT	Mail Box Alert
Applicant	VENTURE GLOBAL LTD.
Address	ROOM 2506, 25/F, STAR CENTRE, 443-451 CASTLE PEAK ROAD, KWAI CHUNG,N.T. HONG KONG.
Telephone	+852-35291206
Fax	+852-36925980
Contact	CHOW, HING SANG ADAM
Manufacturer	VENTURE GLOBAL LTD.
Address	ROOM 2506, 25/F, STAR CENTRE, 443-451 CASTLE PEAK ROAD, KWAI CHUNG,N.T. HONG KONG.
Telephone	+852-35291206
Fax	+852-36925980
Contact	CHOW, HING SANG ADAM
Test report holder	VENTURE GLOBAL LTD.
Address	ROOM 2506, 25/F, STAR CENTRE, 443-451 CASTLE PEAK ROAD, KWAI CHUNG,N.T. HONG KONG.
Telephone	+852-35291206
Fax	+852-36925980
Contact	CHOW, HING SANG ADAM

## Test Result according to the standards on page 1: PASSED

The test report merely corresponds to the test sample.

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## 1.TEST STANDARDS

The tests were performed according to following standards:

- 47 CFR PART 15 OCT, 2012
- ANSI C63.4-2009

### 2.SUMMARY

#### 2.1 GENERAL REMARKS

Date of receipt of test sample	14 November 2012	
Testing commenced on	14~21 November 2012	
Testing concluded on	21 November 2012	

#### 2.2 FINAL ASSESSMENT

The FCC requirements pertaining to the technical standards and tested operation modes are

	- fulf	illed.
--	--------	--------

□ - **not** fulfilled.

The equipment under test

fulfils the FCC requirements cited on page 1.

□ - does not fulfil the FCC requirements cited on page 1.

## 3.EQUIPMENT UNDER TEST

## 3.1 Power supply system utilised

Power supply voltage : ■ Battery 12V

## 3.2 Short description of the Equipment under Test (EUT)

Number of tested samples: 1

Serial number: Prototype

#### 3.3 EUT operation mode

The equipment under test was operated during the measurement under the following conditions:

	TX- \	ſр	osi	tior
--	-------	----	-----	------

☐ TX- Zposition

■ TX- X position

TX-X position: TX-X Position (914.8MHz)

Note: TX -X position of EUT is the worst case, so only these test results be recorded in the test report.

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## 3.4 EUT configuration

## 3.4.1. Description of configuration (EUT)

Description	:	Mail Box Alert
Model Number	:	HAX-200
Operation frequency	:	914.8MHz
Radio Technology	:	FSK
Modulation Technology	:	FSK modulation
Antenna	:	Internal antenna

### 3.4.2. Tested Supporting System Details

N/A

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## 4.TEST ENVIRONMENT

## 4.1 Address of the test laboratory

Building F, Dachuang industrial park, No.379, Zhongshan Dadao, Guangzhou, China

Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406

## 4.2 Test facility

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

CNAS-Lab Code: L3394

CENTRE OF TESTING SERVICE CO., LTD has been assessed and proved to be in compliance with CNAS-CL01: 2006 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

## IC-Registration No.: 8374A

The 3m Alternate Test Site of CENTRE OF TESTING SERVICE CO., LTD has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 8374A on June 6, 2011.

### FCC-Registration No.: 971995

CENTRE OF TESTING SERVICE CO., LTD, 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.791995, July 13,2012.

#### 4.3 Environmental conditions

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

Temperature:	15~35 ° C
Humidity:	25~75 %
Atmospheric pressure:	86~106 kPa

## 4.4 Definitions of symbols used in this test report

- - The black square indicates that the listed condition, standard or equipment is applicable for this report.
- The empty square indicates that the listed condition, standard or equipment is **not** applicable for this report.

#### 4.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the CTS quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

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## 4.6 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Conduction disturbance	150kHz~30MHz	±1.22dB	(1)
Power disturbance	30MHz~300MHz	±1.38dB	(1)
	30MHz~300MHz	±3.14dB	(1)
Radiation emission (3m)	300MHz~1000MHz	±3.18dB	(1)
	1GHz~18GHz	±3.54dB	(1)

<sup>(1).</sup> This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## 5. Summary of standards and results

## 5.1. Description of Standards and Results

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

EMISSION			
Description of Test Item	Standard	Results	
Radiated Emission Test	FCC Part 15 C: 15.249 FCC Part 15 : 109 FCC Part 15: 209 ANSI C63.4-2009	PASSED	
Conducted Emission Test	FCC Part 15: 207 ANSI C63.4-2009	N/A	
Band Edge Compliance Test	FCC Part 15 C: 15.249 ANSI C63.4-2009	PASSED	
20dB bandwith	FCC Part 15 C: 15.249 ANSI C63.4-2009	PASSED	
N/A is an abbreviation for Not Applicable.			

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## **6TEST CONDITIONS AND RESULTS**

#### **6.1 Power Line Conducted Emission Test**

For test instruments and accessories used see section 6.1.5

#### 6.1.1 Description of the test location

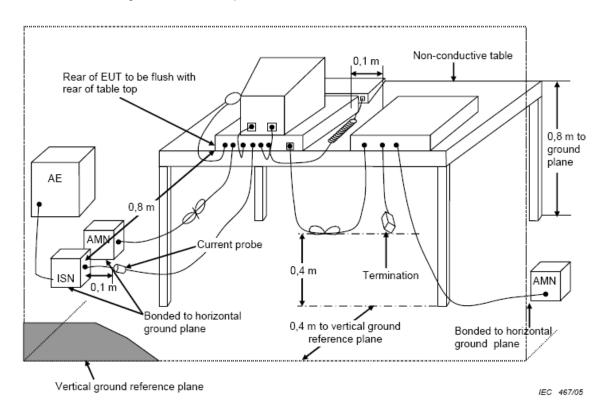
Test location : Shielding Room

## 6.1.2 Description of the test set-up

6.1.2.1 Operating Condition

The EUT is engraving during the test, and the results of the maximum emanation are recorded

#### 6.1.2.2 Block Diagram of Test Setup



#### 6.1.3 Limits of disturbance (Class B)

		20 = 1	
		Maximum RF Line Voltage	
Frequency		Quasi-Peak Level	Average Level
	10.0	dB(μV)	dB(μV)
150kHz	~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz	~ 5MHz	56	46
5MHz	~ 30MHz	60	50

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

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## 6.1.4.Block Diagram of Test Setup

## 6.1.4.1 Block Diagram of connection between EUT and simulators

**TX**EUT

(EUT: Mail Box Alert)

## 6.1.5. Conduced disturbance Test Equipment

Conducted Disturbance							
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	EMI Test Receiver	ROHDE & SCHWARZ	ESHS10	842884/012	2011/12		
2	Artificial Mains	ROHDE & SCHWARZ	ESH3-Z5	832479/025	2011/12		
3	Pulse Limiter	ROHDE & SCHWARZ	ESHSZ2	100301	2011/12		
4	EMI Test Software	ROHDE & SCHWARZ	ESK1	N/A	2011/12		

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#### 6.1.6 Test result

The requirements are	Fulfilled
Band width	9kHz
Frequency range	0.15kHz - 30 MHz
Min. limit margin	>N/A at 0.15MHz - 30 MHz

The EUT power supply by battery, Not applicable. Remarks:

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## 7. Radiated disturbance (electric field)

## 7.1.Test Equipment

Radiated disturbance (electric field)							
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	100868	2011/12		
2	Biconical Antenna	ROHDE & SCHWARZ	HK116	100221	2011/12		
3	Log per Antenna	ROHDE & SCHWARZ	HL223	100226	2011/12		
4	Log per Antenna	ROHDE & SCHWARZ	HL050	100186	2011/12		
5	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2011/12		
6	Loop Antenna	A.R.A	PLA-1030/B	1030	2011/12		

## 7.2.Block Diagram of Test Setup

### 6.2.1 Block Diagram of connection between EUT and simulators

EUT

(EUT: Mail Box Alert)

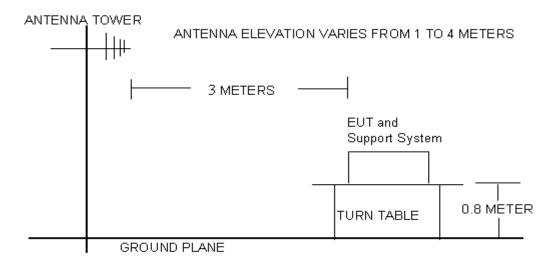
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#### 7.2.2 Anechoic Chamber Setup Diagram



### 7.3. Radiated Emission Limit:

Standard: FCC 15.249 , FCC 15.109 FCC 15.209.

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (µV/m)
//		7
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

Frequency (Hz)	Field Strength (μV/m at meter)	Measurement Distance (meter)
0.009 - 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 - 88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

Remark: (1) Emission level  $dB\mu V = 20 \log Emission level \mu V/m$ 

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

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#### 7.4.Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009on radiated emission Test.

The frequency range from 30MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

All measurements for radiated emissions within the restricted bands were performed using a Quasi-Peak detector with 120kHz RBW below 1GHz and a Peak and Average detector with 1MHz RBW above 1GHz,

All measurements for radiated emissions within the restricted bands were performed using a Quasi-Peak detector with 300kHz VBW below 1GHz and a Peak detector with 1MHz VBW above 1GHz, A average detector with 10Hz VBW above 1GHz

Pretest x, y, z position of EUT, final, select the worst case x position test and record the test results in the report.

The test modes (TX Mode) is tested in Anechoic Chamber and all the scanning waveforms are reported on section 7.5

#### 7.5. Radiated Emission Test Results

#### PASSED.

The frequency range from 9KHz~30MHz,30MHz to 230MHz, 230MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

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Test Mode: TX –X Position Mode 914.8MHz Result: ■ - passed Frequency range: 9KHz~30MHz  $\square$  - not passed

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	
	Remark: The frequency no specific emission form the EUT (Margin > 6dB form the applicable Limit)							

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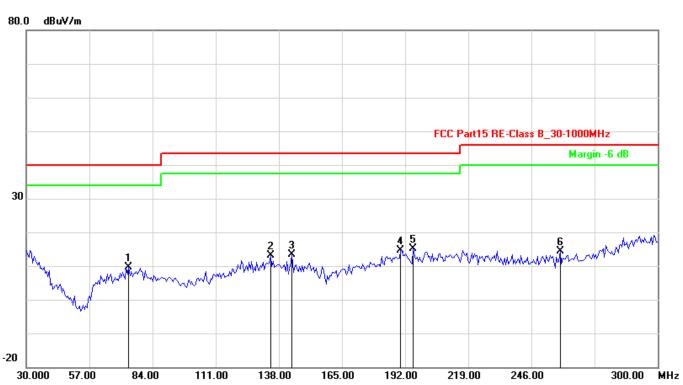
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TX -X Position Mode 914.8MHz Channel: Result: ■ - passed Test point: Horizontal  $\square$  - not passed Frequency range: 30MHz~1000MHz

EUT	Mail Box Alert
Firm Name	VENTURE GLOBAL LTD.
Operating Condition	Battery 12V
Test Condition	Ambient Temperature: 25°C Humidity: 56%
Test distance	3 Meter
Test Date:	14~21 November 2012
Operator	Duke
MODEL NO	HAX-200



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	73.8277	-38.65	48.19	9.54	40.00	-30.46	QP
2	134.4289	-34.98	48.05	13.07	43.50	-30.43	QP
3	143.6273	-35.10	48.38	13.28	43.50	-30.22	QP
4	190.1603	-31.25	45.94	14.69	43.50	-28.81	QP
5	195.5711	-31.72	46.91	15.19	43.50	-28.31	QP
6	258.3367	-32.26	46.52	14.26	46.00	-31.74	QP

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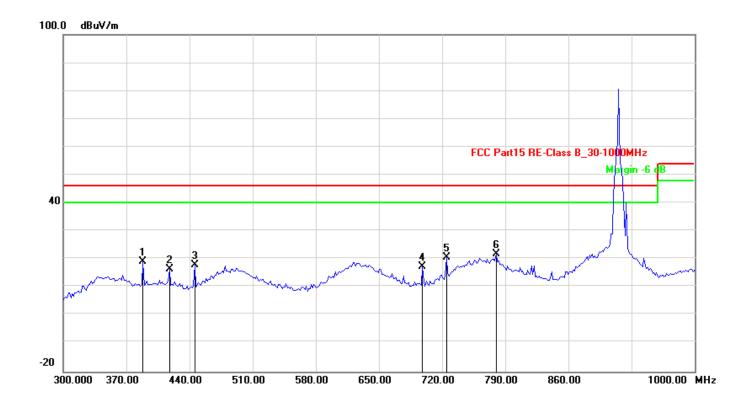
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No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	914.92	-25.71	106.83	81.12	114.00	-32.88	Peak
2	914.92	-25.71	101.37	75.56	94.00	-18.44	AVG

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	388.3768	-35.34	54.46	19.12	46.00	-26.88	QP
2	417.8357	-35.12	51.57	16.45	46.00	-29.55	QP
3	445.8918	-35.50	53.50	18.00	46.00	-28.00	QP
4	698.3968	-34.42	51.76	17.34	46.00	-28.66	QP
5	725.0501	-30.77	51.55	20.78	46.00	-25.22	QP
6	779.7595	-27.03	49.02	21.99	46.00	-24.01	QP

Note: 1. Emission level=Read level + Factor

2. Factor=Antenna factor + Cable loss

3. Margin=Level-Limit.

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TX –X Position Mode 914.8MHz Channel: Result: - passed Test point: Horizontal  $\square$  - not passed Frequency range: 1GHz-18GHz

EUT	Mail Box Alert
Firm Name	VENTURE GLOBAL LTD.
Operating Condition	Battery 12V
Test Condition	Ambient Temperature: 25°C Humidity: 56%
Test distance	3 Meter
Test Date:	14~21 November 2012
Operator	Duke
MODEL NO	HAX-200

No.	Frequency	Factor	Reading	Level	Limit	Margin	Det.			
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)				
1	1815.631	-25.36	68.85	43.49	74.00	-30.51	peak			
2	1815.631	-25.36	55.50	30.14	54.00	-23.86	AVG			
3	2741.483	-28.98	57.30	28.32	74.00	-45.68	peak			
4	2741.483	-28.98	45.33	16.35	54.00	-37.65	AVG			
5	4306.613	-6.19	55.71	49.52	74.00	-24.48	peak			
6	4306.613	-6.19	39.34	33.15	54.00	-20.85	AVG			
7	5739.479	-12.77	55.35	42.58	74.00	-31.42	peak			
8	5739.479	-12.77	42.31	29.54	54.00	-24.46	AVG			
9	7128.257	-14.22	55.33	41.11	74.00	-32.89	peak			
10	7128.257	-14.22	42.36	28.14	54.00	-25.86	AVG			
11	8428.858	-15.70	55.83	40.13	74.00	-33.87	peak			
12	8428.858	-15.70	43.09	27.39	54.00	-26.61	AVG			
Remark: C	Remark: Other frequency mini margin all >10 dB of Limit									

Note: 1. Emission level=Read level + Factor

- 2. Factor=Antenna factor + Cable loss
- 3. Margin=Level-Limit.

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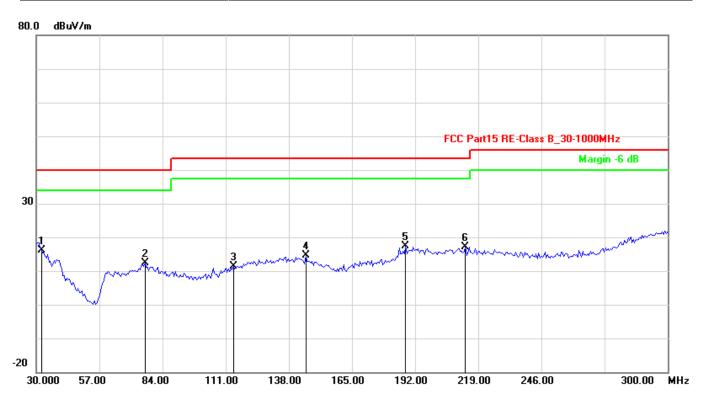
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Channel:	TX –X Position Mode 914.8MHz	Result:	■ - passed
Test point:	Vertical		□ - not passed
Frequency range:	30MHz-1000MHz		

EUT	Mail Box Alert
Firm Name	VENTURE GLOBAL LTD.
Operating Condition	Battery 12V
Test Condition	Ambient Temperature: 25°C Humidity: 56%
Test distance	3 Meter
Test Date:	14~21 November 2012
Operator	Duke
MODEL NO	HAX-200



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	32.1643	-35.08	51.16	16.08	40.00	-23.92	QP
2	76.5331	-38.29	50.62	12.33	40.00	-27.67	QP
3	114.4088	-37.41	48.83	11.42	43.50	-32.08	QP
4	145.2505	-35.27	49.97	14.70	43.50	-28.80	QP
5	187.9960	-31.91	49.17	17.26	43.50	-26.24	QP
6	213.4269	-31.45	48.53	17.08	43.50	-26.42	QP

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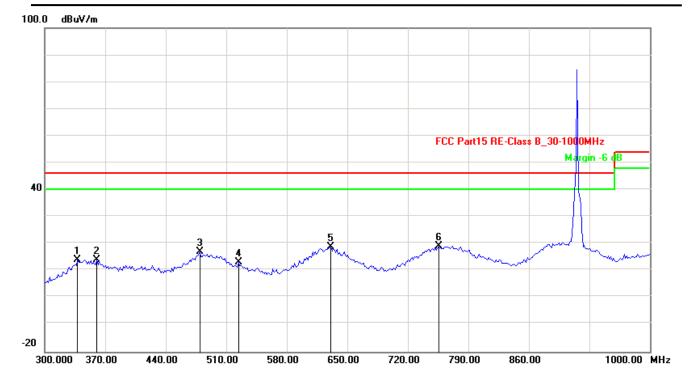
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No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	914.8	-25.71	111.32	85.61	114.00	-28.39	Peak
2	914.8	-25.71	103.607	77.89	94.00	-16.11	AVG

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	337.8758	-33.80	47.87	14.07	46.00	-31.93	QP
2	360.3206	-33.87	47.88	14.01	46.00	-31.99	QP
3	479.5591	-30.17	47.25	17.08	46.00	-28.92	QP
4	524.4489	-34.10	47.28	13.18	46.00	-32.82	QP
5	631.0621	-28.09	46.93	18.84	46.00	-27.16	QP
6	755.9118	-26.70	45.83	19.13	46.00	-26.87	QP

Note: 1. Emission level=Read level + Factor

2. Factor=Antenna factor + Cable loss

3.Margin=Level- Limit.

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		_	•
Channel:	TX –X Position Mode 914.8MHz	Result:	■ - passed
Test point:	Vertical		☐ - not passed
Frequency range:	1GHz-18GHz		

EUT	Mail Box Alert
Firm Name	VENTURE GLOBAL LTD.
Operating Condition	Battery 12V
Test Condition	Ambient Temperature: 25°C Humidity: 56%
Test distance	3 Meter
Test Date:	14~21 November 2012
Operator	Duke
MODEL NO	HAX-200

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1815.631	-25.48	63.05	37.57	74.00	-36.43	peak
2	1815.631	-25.48	50.84	25.36	54.00	-28.64	AVG
3	2366.733	-27.74	55.91	28.17	74.00	-45.83	peak
4	2366.733	-27.74	43.05	15.31	54.00	-38.69	AVG
5	6973.948	-29.11	54.56	25.45	74.00	-48.55	peak
6	6973.948	-29.11	41.14	12.03	54.00	-41.97	AVG
7	7701.403	-25.68	55.51	29.83	74.00	-44.17	peak
8	7701.403	-25.68	40.46	14.78	54.00	-39.22	AVG
9	9663.327	-16.60	57.05	40.45	74.00	-33.55	peak
10	9663.327	-16.60	41.76	25.16	54.00	-28.84	AVG
11	11030.060	-14.91	58.30	43.39	74.00	-30.61	peak
12	11030.060	-14.91	45.03	30.12	54.00	-23.88	AVG
Remark:	Other frequenc	y mini margin	all >10 dB of L	imit	<u> </u>	<u> </u>	

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## 8. Band Edge Compliance test

## 8.1. Test Equipment

Band Edge Compliance test							
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	10868	2011/12		
2	Log per Antenna	ROHDE & SCHWARZ	HL050	100186	2011/12		
3	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2011/12		
4	Log per Antenna	ROHDE & SCHWARZ	HL223	100226	2011/12		

### 8.2. Test Information

EUT	Mail Box Alert
Firm Name	VENTURE GLOBAL LTD.
Operating Condition	Battery 12V
Test Condition	Ambient Temperature: 25°C Humidity: 56%
Test distance	3 Meter
Test Date:	14~21 November 2012
Operator	Duke
MODEL NO	HAX-200

## 8.3. Test procedure

- 1. The EUT operates at TX mode. The transmitter channel are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
- 2. Max hold the trace of the setp 1,and the EUT operates at Normal test mode to verify the largest spurious emissions power.

### 8.4. Test Results

## PASSED.

The EUT operates at TX test mode. The transmitter channel are tested to verify the band edge emissions.

Toot Mada	Channel	Test Result Highest Emission (dBuv/m)				
Test Mode	Marked Frequency	Horizontal		Vertical		
		Peak	Limit	Peak	Limit	
Low Channel	614MHz	30.06	46	29.84	46	
High Channel	960MHz	31.11	54	30.19	54	
Remark: Other Spurious Emissions mini margin all >6 dB of Limit.						

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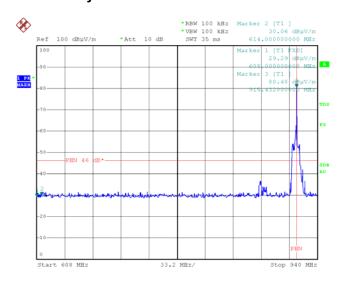
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## Band Edges(Low) Detector mode:Peak

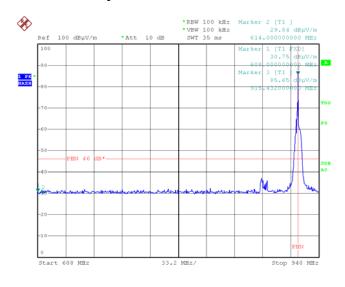
### **Polarity:Horizontal**



Date: 19.NOV.2012 17:27:57

## Band Edges(CH Low) Detector mode:Peak

## **Polarity:Vertical**



Date: 19.NOV.2012 17:26:15

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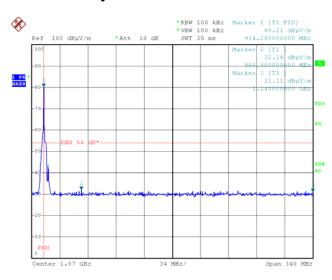
Report No.: CGZ3121114-00913-E





## Band Edges(CH High) Detector mode:Peak

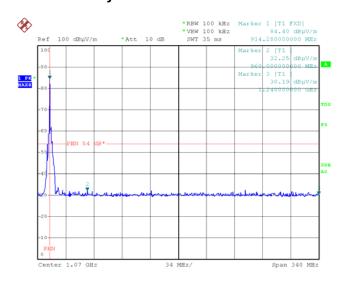
## **Polarity:Horizontal**



Date: 19.NOV.2012 17:34:09

## Band Edges(CH High) Detector mode:Peak

## **Polarity:Vertical**



Date: 19.NOV.2012 17:33:15

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## 9 20 dB Bandwidth test

## 9.1. Test Equipment

20 dB Bandwidth test							
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	10868	2011/12		
2	Log per Antenna	ROHDE & SCHWARZ	HL223	100226	2011/12		
3	Biconical Antenna	ROHDE & SCHWARZ	HK116	100221	2011/12		
4	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2011/12		

## 9.2. Test Information

EUT	Mail Box Alert	
Firm Name	VENTURE GLOBAL LTD.	
Operating Condition	Battery 12V	
Test Condition	Ambient Temperature: 25°C Humidity: 56%	
Test distance	3 Meter	
Test Date:	14~21 November 2012	
Operator	Duke	
MODEL NO	HAX-200	

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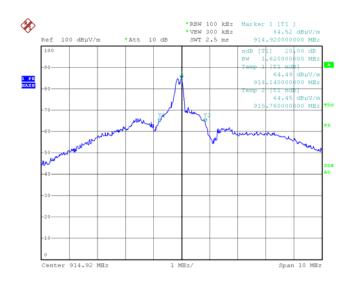


## 9.3. Test Results

### PASSED.

The testing data was attached in the next pages.

Channel	Frequency (MHz)	20dB Bandwidth (MHz)
1	914.8	1.62



Date: 19.NOV.2012 18:31:05

## 10. Deviation to test specifications

[NONE]

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