

Page 1 of 40

APPLICATION CERTIFICATION FCC Part 15C On Behalf of Greenwave Scientific, Inc., d/b/a Mohu

Mohu Channels
Model No.: MHCHBOX01

FCC ID: 2ABUT-MHCHBOX01

Prepared for : Greenwave Scientific, Inc., d/b/a Mohu

Address : 2720 Discovery Dr Raleigh, NC 27616 United States

Prepared by : ACCURATE TECHNOLOGY CO., LTD

Address : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.

Science & Industry Park, Nanshan, Shenzhen, Guangdong

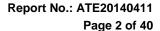
P.R. China

Tel: (0755) 26503290 Fax: (0755) 26503396

Report No. : ATE20140411

Date of Test : Apr 01, 2014- Apr 25, 2014

Date of Report: Apr 25, 2014



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Test Report Certification

Greenwave Scientific, Inc., d/b/a Mohu Applicant&

address 2720 Discovery Dr Raleigh, NC 27616 United States

Manufacturer& VideoStrong Technology CO., Ltd

402A, Building B, Donglian Industrial, 23rd District, Bao'an, address

Shenzhen, China

Product Mohu Channels

MHCHBOX01 Model No.

Trade name Mohu

Measurement Procedure Used:

Data of Took

FCC Rules and Regulations Part 15 Subpart C Section 15.249 ANSI C63.4: 2009

The EUT was tested according to FCC 47CFR 15.249 for compliance to FCC 47CFR 15.249 requirements

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.249 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

A = = 04 0044 A = = 0E 0044

Date of Test:	Apr 01, 2014- Apr 25, 2014
Prepared by :	7 in Zhang
	(Tim.zhang, Engineer)
Approved & Authorized Signer : _	Lemil
	(Sean Liu, Manager)



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1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT : Mohu Channels Model Number : MHCHBOX01

Antenna gain : 0 dBi

Work Frequency : 2402MHz, 2436MHz, 2446MHz, 2479MHz

Type of Antenna : PCB Antenna

Power Supply : AC 120V/60Hz (Powered by Adapter)

Adapter : Model:TYP60-0502500u

Input: AC 100-240V Output: 5.0V 2.5amp

Operate Frequency : 2402-2479MHz

Applicant : Greenwave Scientific, Inc., d/b/a Mohu

Address : 2720 Discovery Dr Raleigh, NC 27616 United States

Manufacturer : VideoStrong Technology CO.,Ltd

Address : 402A, Building B, Donglian Industrial, 23rd District,

Bao'an, Shenzhen, China

Date of sample received: Apr 01, 2014

Date of Test : Apr 01, 2014- Apr 25, 2014

1.2. Accessory and Auxiliary Equipment

HDTV Manufacturer: DELL

M/N: 1704FPTt

Serial No.: 709913441

Mouse Manufacturer: DELL

M/N: DMC S/N: HZXLM1



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1.3.Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC

The Registration Number is 752051

Listed by Industry Canada

The Registration Number is 5077A-2

Accredited by China National Accreditation Committee

for Laboratories

The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.

Science & Industry Park, Nanshan, Shenzhen, Guangdong

P.R. China

1.4. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2

(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2

(Above 1GHz)



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2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Туре	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 11, 2014	Jan. 10, 2015
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 11, 2014	Jan. 10, 2015
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 11, 2014	Jan. 10, 2015
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 11, 2014	Jan. 10, 2015
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2014	Jan. 14, 2015
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan. 15, 2014	Jan. 14, 2015
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 11, 2014	Jan. 10, 2015
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 11, 2014	Jan. 10, 2015
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 11, 2014	Jan. 10, 2015
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 11, 2014	Jan. 10, 2015





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3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

The mode is used: **Transmitting mode**

Low Channel: 2402MHz Middle Channel: 2436MHz High Channel: 2479MHz

3.2. Configuration and peripherals

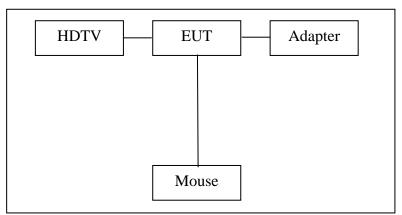
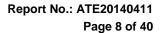


Figure 1 Setup: Transmitting mode





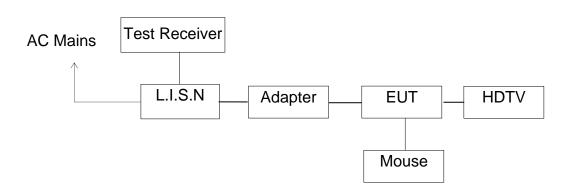
4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.215(c)	20dB Bandwidth	Compliant
Section 15.249(d)	Band Edge Compliance Test	Compliant
Section 15.205(a), Section 15.209(a), Section 15.249, Section 15.35	Radiated Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.203	Antenna Requirement	Compliant



5. POWER LINE CONDUCTED MEASUREMENT

5.1.Block Diagram of Test Setup



(EUT: Mohu Channels)

5.2. Power Line Conducted Emission Measurement Limits

Frequency	Limit d	B(μV)		
(MHz)	Quasi-peak Level	Average Level		
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *		
0.50 - 5.00	56.0	46.0		
5.00 - 30.00	60.0	50.0		

NOTE1: The lower limit shall apply at the transition frequencies.

NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

5.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

5.4. Operating Condition of EUT

- 5.4.1. Setup the EUT and simulator as shown as Section 5.1.
- 5.4.2. Turn on the power of all equipment.
- 5.4.3.Let the EUT work in test mode and measure it.



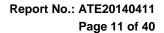
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5.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 500hm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.





5.6. Power Line Conducted Emission Measurement Results

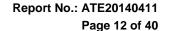
PASS.

The frequency range from 150kHz to 30MHz is checked.

1.818284 44.80 11.0 56 11.2 QP L1 G 3.295983 43.40 11.1 56 12.6 QP L1 G MEASUREMENT RESULT: "M-0421-V02_fin2" 4/21/2014 4:50PM Frequency Level Transd Limit Margin Detector Line MHz dBµV dB dBµV dB 0.342744 38.60 10.6 49 10.5 AV L1 G 1.877290 37.60 11.0 46 8.4 AV L1 G 3.067455 33.30 11.1 46 12.7 AV L1 G MEASUREMENT RESULT: "M-0421-V01_fin" 4/21/2014 4:47PM Frequency Level Transd Limit Margin Detector Line MHz dBµV dB dBµV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G	MEASUREMENT	RESULT	: ''M-04	21-V02	_fin"			
MH2 dBμV dB dBμV dB 0.171806 55.30 10.5 65 9.6 QP L1 G 1.818284 44.80 11.0 56 11.2 QP L1 G 3.295983 43.40 11.1 56 12.6 QP L1 G 3.295983 43.40 11.1 56 12.6 QP L1 G MEASUREMENT RESULT: "M-0421-V02_fin2" 4/21/2014 4:50PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.342744 38.60 10.6 49 10.5 AV L1 G 1.877290 37.60 11.0 46 8.4 AV L1 G 3.067455 33.30 11.1 46 12.7 AV L1 G MEASUREMENT RESULT: "M-0421-V01_fin" 4/21/2014 4:47PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM	4/21/2014 4:5	50PM						
3.295983 43.40 11.1 56 12.6 QP L1 G MEASUREMENT RESULT: "M-0421-V02_fin2" 4/21/2014 4:50PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.342744 38.60 10.6 49 10.5 AV L1 G 1.877290 37.60 11.0 46 8.4 AV L1 G 3.067455 33.30 11.1 46 12.7 AV L1 G G MEASUREMENT RESULT: "M-0421-V01_fin" 4/21/2014 4:47PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM						Detector	Line	PE
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Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.342744 38.60 10.6 49 10.5 AV L1 G 1.877290 37.60 11.0 46 8.4 AV L1 G 3.067455 33.30 11.1 46 12.7 AV L1 G MEASUREMENT RESULT: "M-0421-V01_fin" 4/21/2014 4:47PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM	MEASUREMENT	RESULT	: "M-04	21-V02	_fin2"			
MHz dBμV dB dBμV dB 0.342744 38.60 10.6 49 10.5 AV L1 G 1.877290 37.60 11.0 46 8.4 AV L1 G 3.067455 33.30 11.1 46 12.7 AV L1 G MEASUREMENT RESULT: "M-0421-V01_fin" 4/21/2014 4:47PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM	, ,							
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1.877290 37.60 11.0 46 8.4 AV L1 G 3.067455 33.30 11.1 46 12.7 AV L1 G MEASUREMENT RESULT: "M-0421-V01_fin" 4/21/2014 4:47PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM	0.342744	38.60	10.6	49	10.5	AV	L1	GNE
MEASUREMENT RESULT: "M-0421-V01_fin" 4/21/2014 4:47PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G	1.877290	37.60	11.0	46	8.4	AV	L1	GNI
4/21/2014 4:47PM Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G	2 0 2 1 5 5	22 20	11 1	1.0	10 7	70.7.7	T 1	COST
Frequency Level Transd Limit Margin Detector Line MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM	3.067455	33.30	11.1	46	12.7	AV	L1	GNI
MHz dBμV dB dBμV dB 0.171121 57.90 10.5 65 7.0 QP N G 3.179666 50.10 11.1 56 5.9 QP N G 3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM						AV	L1	GNI
3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM	MEASUREMENT 4/21/2014 4:4	RESULT 47PM	: "M-04	21-V01	_fin"			
3.349036 49.10 11.1 56 6.9 QP N G MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM	MEASUREMENT 4/21/2014 4:4 Frequency	RESULT 47PM Level	: " M-04 Transd	21-V01 Limit	_ fin" Margin			
MEASUREMENT RESULT: "M-0421-V01_fin2" 4/21/2014 4:47PM	MEASUREMENT 4/21/2014 4:4 Frequency MHz	RESULT 47PM Level dBµV	: "M-04 Transd dB	21-V01 Limit dBµV	fin" Margin dB	Detector	Line	
4/21/2014 4:47PM	MEASUREMENT 4/21/2014 4:4 Frequency MHz 0.171121 3.179666	RESULT 47PM Level dBµV 57.90 50.10	: "M-04 Transd dB 10.5 11.1	Limit dBµV 65 56	fin" Margin dB 7.0 5.9	Detector QP QP	Line N N	PI GNI GNI
	MEASUREMENT 4/21/2014 4:4 Frequency MHz 0.171121 3.179666	RESULT 47PM Level dBµV 57.90 50.10	: "M-04 Transd dB 10.5 11.1	Limit dBµV 65 56	fin" Margin dB 7.0 5.9	Detector QP QP	Line N N	PI GNI GNI
Frequency Level Transq Limit Margin Detector Line	MEASUREMENT 4/21/2014 4:4 Frequency MHz 0.171121 3.179666 3.349036	RESULT 47PM Level dBµV 57.90 50.10 49.10 RESULT	: "M-04 Transd dB 10.5 11.1 11.1	Limit dBµV 65 56 56	fin" Margin dB 7.0 5.9 6.9	Detector QP QP	Line N N	PI GNI GNI
MHz dBμV dB dBμV dB	MEASUREMENT 4/21/2014 4:4 Frequency MHz 0.171121 3.179666 3.349036 MEASUREMENT 4/21/2014 4:4	RESULT 47PM Level dBµV 57.90 50.10 49.10 RESULT	: "M-04 Transd dB 10.5 11.1 11.1	Limit dBµV 65 56 56	fin" Margin dB 7.0 5.9 6.9	Detector QP QP QP QP	Line N N	PI GNI GNI
	MEASUREMENT 4/21/2014 4:4 Frequency MHz 0.171121 3.179666 3.349036 MEASUREMENT 4/21/2014 4:4 Frequency	RESULT 47PM Level 67.90 50.10 49.10 RESULT 47PM Level	: "M-04 Transd dB 10.5 11.1 11.1	Limit dBµV 65 56 56	fin" Margin dB 7.0 5.9 6.9	Detector QP QP QP QP	Line N N	PI GNI GNI
3.457718 35.00 11.1 46 11.0 AV N G 3.513374 31.20 11.1 46 14.8 AV N G	MEASUREMENT 4/21/2014 4:4 Frequency MHz 0.171121 3.179666 3.349036 MEASUREMENT 4/21/2014 4:4 Frequency MHz 3.349036	RESULT 47PM Level dBμV 57.90 50.10 49.10 RESULT 47PM Level dBμV 39.60	: "M-04 Transd dB 10.5 11.1 11.1 : "M-04 Transd dB 11.1	Limit dBµV 65 56 56 21-V01 Limit dBµV	fin" Margin dB 7.0 5.9 6.9 Margin dB 6.4	Detector QP QP QP QP AV	Line N N N	P. GN: GN:

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

The spectral diagrams are attached as below.





CONDUCTED EMISSION STANDARD FCC PART 15

EUT: Mohu Channels M/N:MHCHBOX01

Manufacturer: VideoStrong Operating Condition: 2.4G Running 1#Shielding Room Test Site:

Operator: Alen

Test Specification: N 120V/60Hz

Report No:ATE20140411 Comment: Start of Test: 4/21/2014 / 4:45:08PM

SCAN TABLE: "V 150K-30MHz fin"

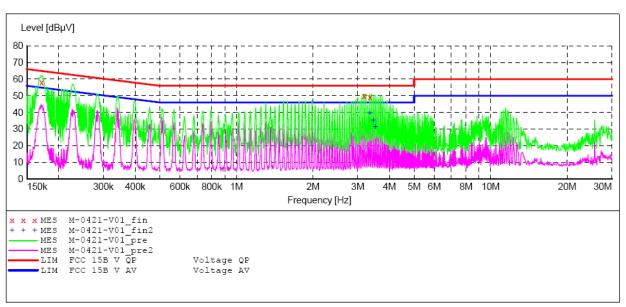
_SUB_STD_VTERM2 1.70 Short Description:

Stop Step ΙF Start Detector Meas. Transducer

Time Width Bandw.

Frequency Frequency 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average

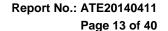


MEASUREMENT RESULT: "M-0421-V01 fin"

4/2	1/2014 4:4	7PM						
	Frequency	Level	Transd	Limit	Margin	Detector	Line	PΕ
	MHz	dΒμV	dB	dΒμV	dB			
	0 474404	FF 00	10 5					
	0.171121	57.90	10.5	65	7.0	QP	N	GND
	3.179666	50.10	11.1	56	5.9	QP	N	GND
	3.349036	49.10	11.1	56	6.9	OP	N	GND

MEASUREMENT RESULT: "M-0421-V01 fin2"

4/21/2014 4:4	17PM						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PΕ
MHz	dΒμV	dB	dΒμV	dB			
3.349036	39.60	11.1	46	6.4	AV	N	GND
3.457718	35.00	11.1	46	11.0	AV	N	GND
3.513374	31.20	11.1	46	14.8	AV	N	GND





CONDUCTED EMISSION STANDARD FCC PART 15

EUT: Mohu Channels M/N:MHCHBOX01

Manufacturer: VideoStrong Operating Condition: 2.4G Running Test Site: 1#Shielding Room

Operator: Alen

Test Specification: L 120V/60Hz

Comment: Report No:ATE20140411 Start of Test: 4/21/2014 / 4:47:59PM

SCAN TABLE: "V 150K-30MHz fin"

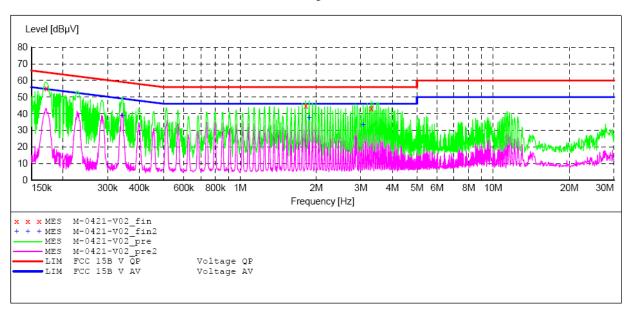
_SUB_STD_VTERM2 1.70 Short Description:

Stop Step Detector Meas. ΙF Transducer Start

Width Time Bandw.

Frequency Frequency 150.0 kHz 30.0 MHz 4.5 kHz 9 kHz NSLK8126 2008 QuasiPeak 1.0 s

Average



MEASUREMENT RESULT: "M-0421-V02 fin"

4	/21/2014 4:5	0PM						
	Frequency				Margin	Detector	Line	PΕ
	MHz	dΒμV	dB	dΒμV	dB			
	0.171806	55.30	10.5	65	9.6	QP	L1	GND
	1.818284	44.80	11.0	56	11.2	QP	L1	GND
	3.295983	43.40	11.1	56	12.6	QP	L1	GND

MEASUREMENT RESULT: "M-0421-V02 fin2"

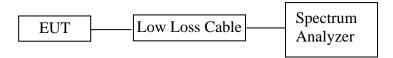
4/21/2014 4:5	0 PM						
Frequency				_	Detector	Line	PΕ
MHz	dΒμV	dB	dΒμV	dB			
0.342744	38.60	10.6	49	10.5	AV	L1	GND
1.877290	37.60	11.0	46	8.4	AV	L1	GND
3.067455	33.30	11.1	46	12.7	AV	L1	GND



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6. 20DB BANDWIDTH MEASUREMENT

6.1.Block Diagram of Test Setup



6.2. The Requirement For Section 15.215(c)

The bandwidth of a frequency hopping channel is the 20 dB emission bandwidth, measured with the hopping stopped. The system RF bandwidth is equal to the channel bandwidth multiplied by the number of channels in the hopset. The hopset shall be such that the near-term distribution of frequencies appears random, with sequential hops randomly distributed in both direction and magnitude of change in the hopset while the long-term distribution appears evenly distributed.

6.3. Operating Condition of EUT

- 6.3.1. Setup the EUT and simulator as shown as Section 5.1.
- 6.3.2. Turn on the power of all equipment.
- 6.3.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2479 MHz. We select 2402MHz, 2436MHz, and 2479MHz TX frequency to transmit.

6.4. Test Procedure

- 6.4.1.Place the EUT on the table and set it in transmitting mode.
- 6.4.2.Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 6.4.3.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz, Detector function=peak, Trace=max hold, Sweep=auto.
- 6.4.4. Set the measured low, middle and high frequency and test 20dB bandwidth with spectrum analyzer.

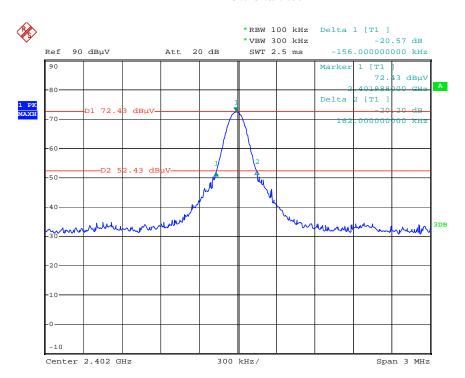


6.5.Test Result

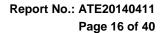
Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
Low	2402	0.318
Middle	2436	0.288
High	2479	0.300

The spectrum analyzer plots are attached as below.

Low channel

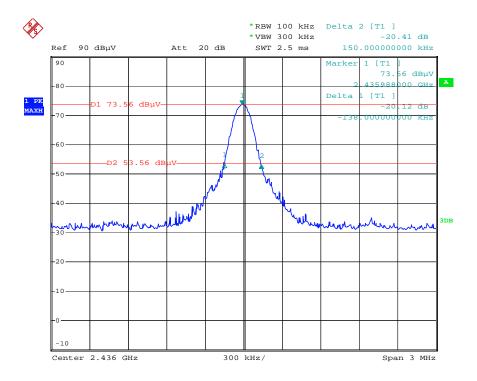


Date: 16.APR.2014 09:38:59



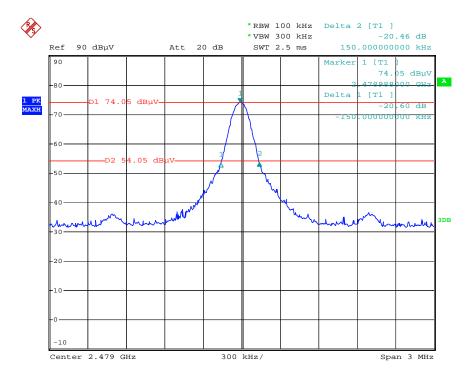


Middle channel



Date: 16.APR.2014 09:36:21

High channel



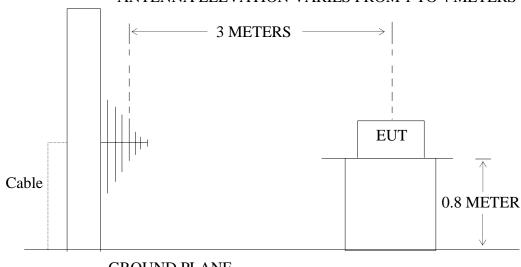
Date: 16.APR.2014 09:33:56



7. BAND EDGE COMPLIANCE TEST

7.1.Block Diagram of Test Setup

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



GROUND PLANE

7.2. The Requirement For Section 15.249

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 A8.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

7.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.



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7.4. Operating Condition of EUT

- 7.4.1. Setup the EUT and simulator as shown as Section 6.1.
- 7.4.2. Turn on the power of all equipment.
- 7.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2479 MHz. We select 2402MHz, 2479MHz TX frequency to transmit.

7.5.Test Procedure

Radiate Band Edge:

- 7.5.1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
- 7.5.2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
- 7.5.3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 7.5.4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

RBW=1MHz, VBW=1MHz

7.5.5. The band edges was measured and recorded.

7.6.Test Result



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Radiated Band Edge Result

Date of Test:Mar 31, 2014Temperature:25°CEUT:Mohu ChannelsHumidity:50%Model No.:MHCHBOX01Power Supply:AC 120V/60HzTest Mode:TX (2402MHz)Test Engineer:Alen

Frequency	Reading(dBµV/m)		Factor(dB)	Result(dBµV/m)		Limit(dBµV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2370.000	47.68	54.29	-6.83	40.85	47.46	54.00	74.00	-13.15	-26.54	Vertical
2400.000	50.03	57.00	-6.76	43.27	50.24	54.00	74.00	-10.73	-23.76	Vertical
2370.000	49.78	56.41	-6.83	42.95	49.58	54.00	74.00	-11.05	-24.42	Horizontal
2400.000	53.87	61.77	-6.76	47.11	55.01	54.00	74.00	-6.89	-18.99	Horizontal

Date of Test:Mar 31, 2014Temperature:25°CEUT:Mohu ChannelsHumidity:50%Model No.:MHCHBOX01Power Supply:AC 120V/60HzTest Mode:TX (2479MHz)Test Engineer:Alen

Frequency	Reading	(dBµV/m)	Factor(dB)	Result(dBµV/m)		Limit(dBµV/m)		Margi	Polarization	
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	37.54	44.55	-6.54	31.00	38.01	54.00	74.00	-23.00	-35.99	Vertical
2494.960	47.58	53.97	-6.50	41.08	47.47	54.00	74.00	-12.92	-26.53	Vertical
2483.500	37.85	44.21	-6.54	31.31	37.67	54.00	74.00	-22.69	-36.33	Horizontal
2494.880	43.54	50.64	-6.50	37.04	44.14	54.00	74.00	-16.96	-29.86	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

 Result = Reading + Corrected Factor
- 3. Display the measurement of peak values.
- 4. The average measurement was not performed when peak measured data under the limit of average detection.



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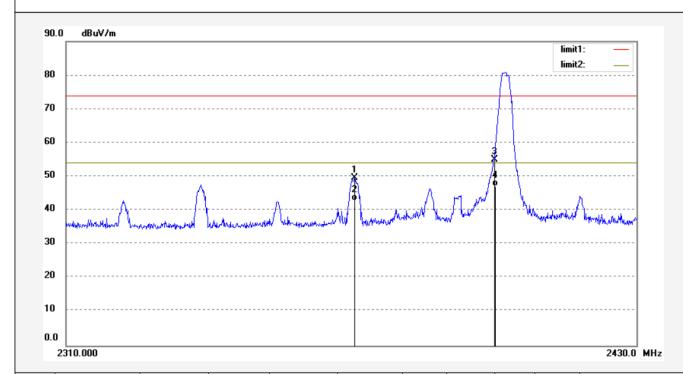
Job No.: alen #3908 Polarization: Horizontal

Standard: FCC PK Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 14/03/31/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 17/14/35
EUT: Mohu Channels Engineer Signature:
Mode: TX 2402MHz Distance: 3m

Model: MHCHBOX01

Manufacturer: VideoStrong



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2370.000	56.41	-6.83	49.58	74.00	-24.42	peak			
2	2370.000	49.78	-6.83	42.95	54.00	-11.05	AVG			
3	2400.000	61.77	-6.76	55.01	74.00	-18.99	peak			
4	2400.000	53.87	-6.76	47.11	54.00	-6.89	AVG			



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Job No.: alen #3909 Polarization: Vertical

Standard: FCC PK Power Source: AC 120V/60Hz

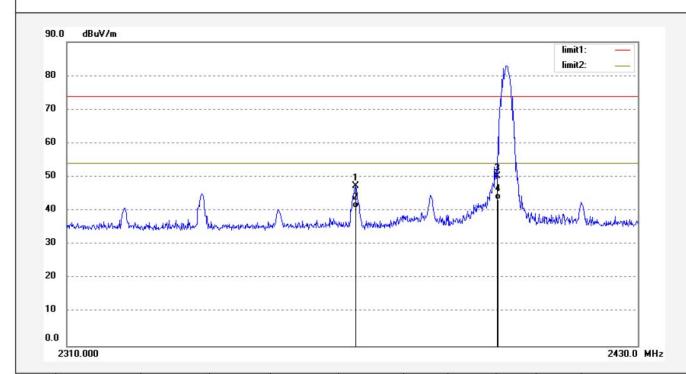
Test item: Radiation Test Date: 14/03/31/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 17/15/48

EUT: Mohu Channels Engineer Signature:

Mode: TX 2402MHz Distance: 3m

Model: MHCHBOX01

Manufacturer: VideoStrong



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2370.000	54.29	-6.83	47.46	74.00	-26.54	peak			
2	2370.000	47.68	-6.83	40.85	54.00	-13.15	AVG			
3	2400.000	57.00	-6.76	50.24	74.00	-23.76	peak			
4	2400.000	50.03	-6.76	43.27	54.00	-10.73	AVG			



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Job No.: alen #3911 Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

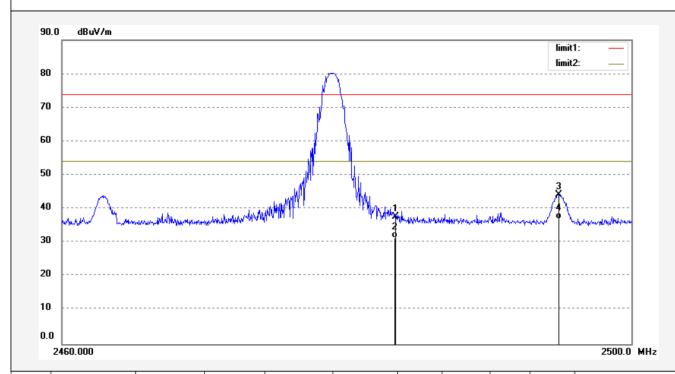
EUT: Mohu Channels Mode: TX 2479MHz Model: MHCHBOX01 Manufacturer: VideoStrong

Note: Report No:ATE20140411

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/03/31/ Time: 17/22/22 Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	44.21	-6.54	37.67	74.00	-36.33	peak			
2	2483.500	37.85	-6.54	31.31	54.00	-22.69	AVG			
3	2494.880	50.64	-6.50	44.14	74.00	-29.86	peak			
4	2494.880	43.54	-6.50	37.04	54.00	-16.96	AVG			



Job No.: alen #3910

Test item: Radiation Test

Standard: FCC PK

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Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/03/31/ Time: 17/18/10 Engineer Signature:

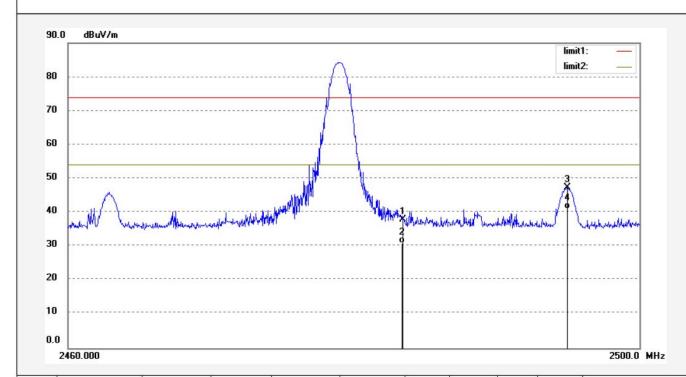
EUT: Mohu Channels Engineer Signa

Mode: TX 2479MHz Distance: 3m

Model: MHCHBOX01 Manufacturer: VideoStrong

Note: Report No:ATE20140411

Temp.(C)/Hum.(%) 25 C / 55 %



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	44.55	-6.54	38.01	74.00	-35.99	peak			
2	2483.500	37.54	-6.54	31.00	54.00	-23.00	AVG			
3	2494.960	53.97	-6.50	47.47	74.00	-26.53	peak			
4	2494.960	47.58	-6.50	41.08	54.00	-12.92	AVG			

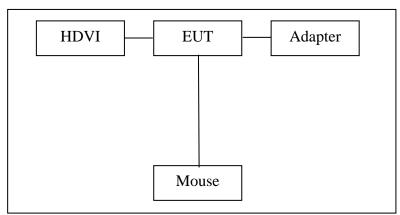


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8. RADIATED SPURIOUS EMISSION TEST

8.1.Block Diagram of Test Setup

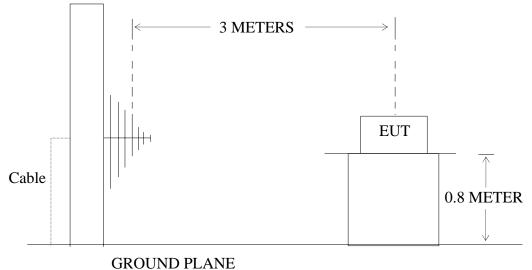
8.1.1.Block diagram of connection between the EUT and peripherals



Transmitting mode

8.1.2.Semi-Anechoic Chamber Test Setup Diagram





FCC ID: 2ABUT-MHCHBOX01



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8.2. The Limit For Section 15.249

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 A8.4(4), the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

8.3. Restricted bands of operation

8.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

	nitted in any of the freque	•	
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	$\binom{2}{}$
13.36-13.41			

Until February 1, 1999, this restricted band shall be 0.490-0.510

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

²Above 38.6



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8.4. Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

8.5. Operating Condition of EUT

- 8.5.1. Setup the EUT and simulator as shown as Section 7.1.
- 8.5.2. Turn on the power of all equipment.
- 8.5.3.Let the EUT work in TX modes measure it. The transmit frequency are 2402-2479 MHz. We select 2402MHz, 2436MHz, and 2479MHz TX frequency to transmit.

8.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 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 polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 9 kHz in below 30MHz. and set at 120 kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9 kHz to 25GHz is checked.

The final measurement in band 9-90 kHz, 110-490 kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain



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8.7. The Field Strength of Radiation Emission Measurement Results **PASS.**

Fundamental Radiated Emissions

Frequency	Reading(dBμV/m)	Factor(dB)	Result(c	lBμV/m)	Limit(d)	BμV/m)	Marg	in(dB)	Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
2402	85.25	91.94	-6.76	78.48	84.88	94	114	-15.51	-29.12	Vertical
2402	82.14	87.95	-6.76	75.39	81.19	94	114	-18.61	-32.81	Horizontal
2436	89.35	95.32	-6.67	82.68	88.65	94	114	-11.32	-25.35	Vertical
2436	82.58	88.92	-6.67	75.91	82.25	94	114	-18.09	-31.75	Horizontal
2479	86.39	93.29	-6.56	79.83	86.73	94	114	-14.17	-27.27	Vertical
2479	81.40	87.60	-6.56	74.84	81.04	94	114	-19.16	-32.96	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

- 2. *: Denotes restricted band of operation.
- 3. The EUT is tested radiation emission at Low, Middle, High channel in three axes. The worst emissions are reported in all channels.
 - 4. The radiation emissions from 18-25GHz are not reported, because the test values lower than the limits of 20dB.
 - 5. The average measurement was not performed when peak measured data under the limit of average detection.



Below 1G

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Fax:+86-0755-26503396



Job No.: alen #3858

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mohu Channels

Mode: TX 2402MHz

Model: MHCHBOX01

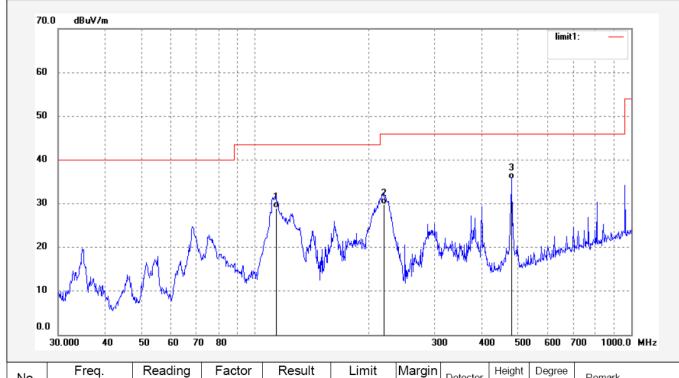
Manufacturer: VideoStrong

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/03/31/ Time: 9/14/59 Engineer Signature:

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	113.7142	51.32	-22.29	29.03	43.50	-14.47	QP			
2	219.8448	49.82	-19.94	29.88	46.00	-16.12	QP			
3	480.5276	49.78	-14.16	35.62	46.00	-10.38	QP			



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Report No.: ATE20140411

Job No.: alen #3857 Polarization: Vertical

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 14/03/31/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/14/10

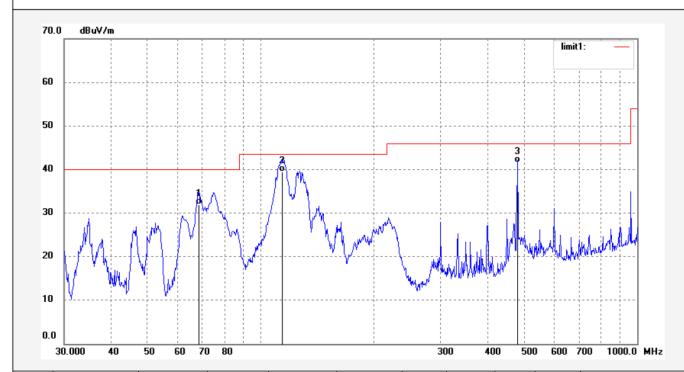
EUT: Mohu Channels Engineer Signature:

Mode: TX 2402MHz Distance: 3m

Model: MHCHBOX01

Note: Report No:ATE20140411

Manufacturer: VideoStrong



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	68.3907	53.32	-21.30	32.02	40.00	-7.98	QP			
2	113.7142	61.78	-22.29	39.49	43.50	-4.01	QP			
3	480.5276	55.71	-14.16	41.55	46.00	-4.45	QP			



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Job No.: alen #3859

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

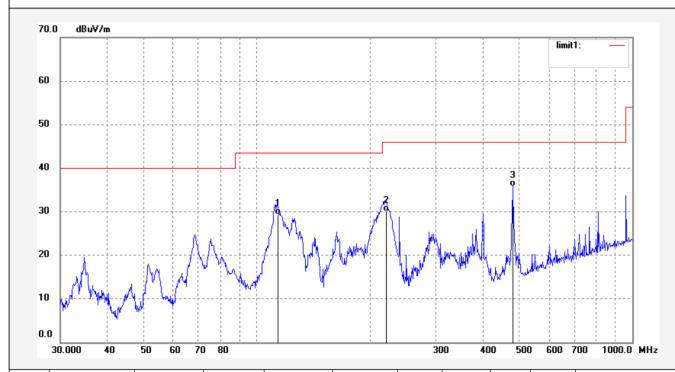
EUT: Mohu Channels Mode: TX 2436MHz Model: MHCHBOX01 Manufacturer: VideoStrong

Note: Report No:ATE20140411

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/03/31/ Time: 9/15/40 Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	113.7142	51.56	-22.29	29.27	43.50	-14.23	QP			
2	221.3920	50.02	-19.93	30.09	46.00	-15.91	QP			
3	480.5276	49.89	-14.16	35.73	46.00	-10.27	QP			



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Report No.: ATE20140411

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/03/31/
Time: 9/16/29
Engineer Signature:
Distance: 3m

Job No.: alen #3860

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

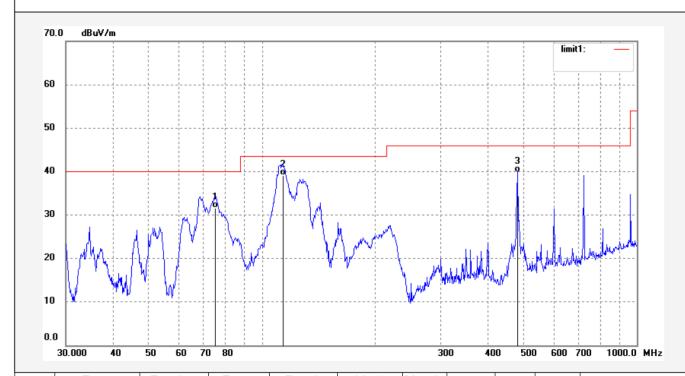
Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mohu Channels

Mode: TX 2436MHz

Model: MHCHBOX01

Manufacturer: VideoStrong



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	75.1822	53.21	-21.61	31.60	40.00	-8.40	QP			
2	113.7142	61.32	-22.29	39.03	43.50	-4.47	QP			
3	480.5276	54.02	-14.16	39.86	46.00	-6.14	QP			



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Distance: 3m

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

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Job No.: alen #3862 Polarization: Horizontal

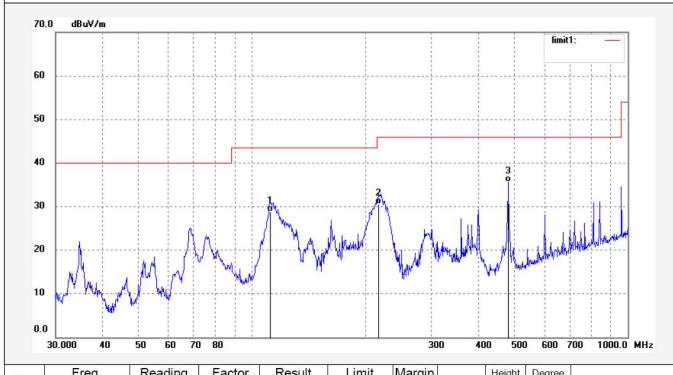
Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 14/03/31/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/18/34
EUT: Mohu Channels Engineer Signature:

Mode: TX 2479MHz

Model: MHCHBOX01

Manufacturer: VideoStrong



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	111.7379	50.99	-22.23	28.76	43.50	-14.74	QP			
2	216.7828	50.45	-19.96	30.49	46.00	-15.51	QP			
3	480.5276	49.78	-14.16	35.62	46.00	-10.38	QP			



F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Page 33 of 40 Site: 1# Chamber

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Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: alen #3861

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mohu Channels

Mode: TX 2479MHz

Model: MHCHBOX01

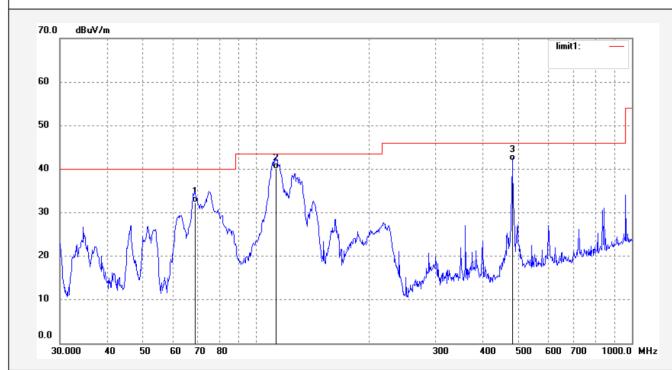
Manufacturer: VideoStrong

Note: Report No:ATE20140411

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/03/31/
Time: 9/17/34
Engineer Signature:
Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	68.6310	53.61	-21.31	32.30	40.00	-7.70	QP			
2	112.9196	62.32	-22.26	40.06	43.50	-3.44	QP			
3	480.5276	56.12	-14.16	41.96	46.00	-4.04	QP			



Above 1G

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Job No.: alen #3924

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mohu Channels Mode: TX 2402MHz Model: MHCHBOX01 Manufacturer: VideoStrong

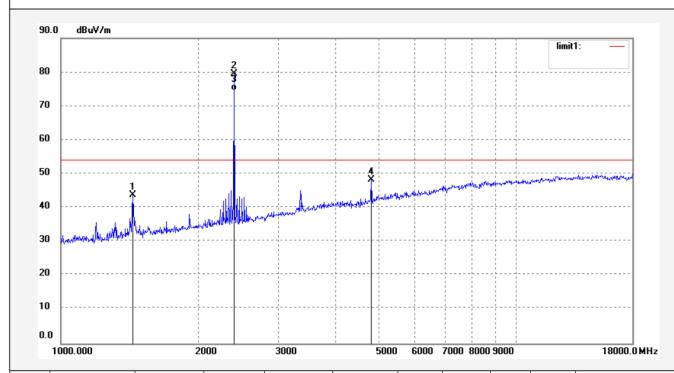
Note: Report No:ATE20140411

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/04/10/ Time: 9/07/03 Engineer Signature:

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1439.343	53.58	-9.83	43.75	74.00	-30.25	peak			
2	2400.753	86.31	-6.76	79.55						
3	2400.753	81.32	-6.76	74.56						
4	4804.110	49.83	-1.59	48.24	54.00	-25.76	peak			



F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Report No.: ATE20140411 Page 35 of 40

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: alen #3923

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mohu Channels

Mode: TX 2402MHz

Model: MHCHBOX01

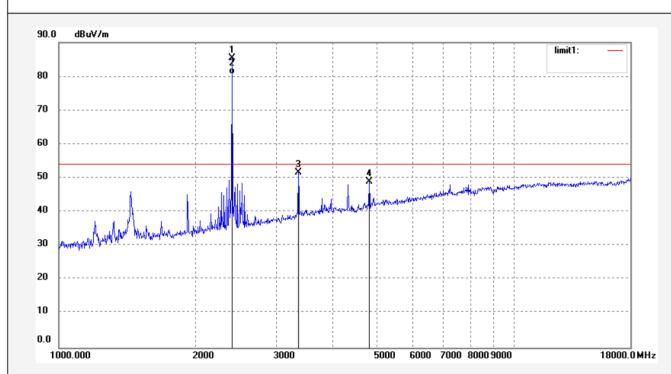
Manufacturer: VideoStrong

Note: Report No:ATE20140411

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/04/10/ Time: 9/05/02 Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.753	92.22	-6.76	85.46						
2	2400.753	87.35	-6.76	80.59						
3	3357.061	55.37	-3.84	51.53	74.00	-22.47	peak			
4	4804.110	50.47	-1.59	48.88	74.00	-25.12	peak			



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Distance: 3m

Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

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Job No.: alen #3925 Polarization: Horizontal

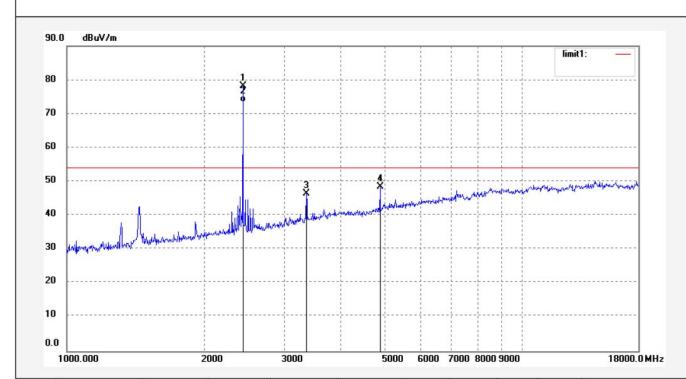
Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 14/04/10/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/09/24
EUT: Mohu Channels Engineer Signature:

Mode: TX 2436MHz

Model: MHCHBOX01

Manufacturer: VideoStrong



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2435.701	84.94	-6.67	78.27						
2	2435.701	80.12	-6.67	73.45						
3	3357.061	50.40	-3.84	46.56	74.00	-27.44	peak			
4	4874.042	49.89	-1.37	48.52	74.00	-25.48	peak			



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Fax:+86-0755-26503396

Job No.: alen #3926

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Mohu Channels
Mode: TX 2436MHz
Model: MHCHBOX01
Manufacturer: VideoStrong

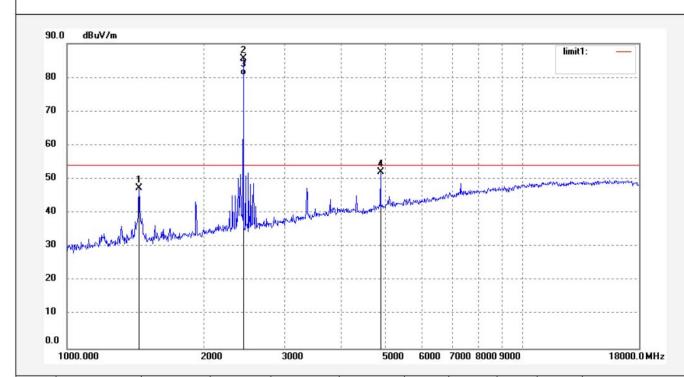
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/04/10/ Time: 9/10/33

Engineer Signature:

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1439.343	57.15	-9.83	47.32	74.00	-26.68	peak			
2	2435.701	92.20	-6.67	85.53			9	0	2	
3	2435.701	87.32	-6.67	80.65			9	0	2	
4	4874.043	53.44	-1.37	52.07	74.00	-21.93	peak		2	



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Job No.: alen #3928 Polarization: Horizontal

Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 14/04/10/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/15/41

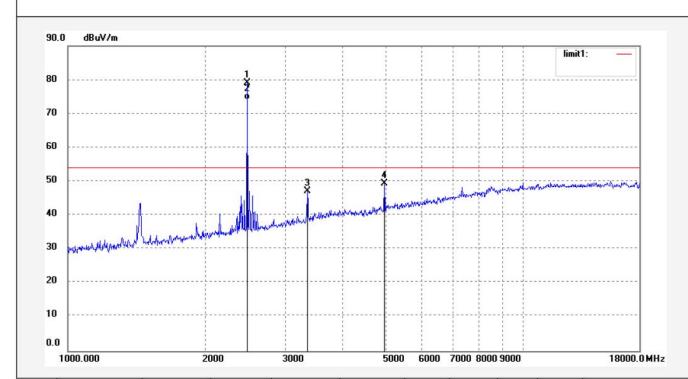
EUT: Mohu Channels Engineer Signature:

Mode: TX 2479MHz Distance: 3m

Model: MHCHBOX01

Note: Report No:ATE20140411

Manufacturer: VideoStrong



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2478.310	85.64	-6.56	79.08						
2	2478.310	80.65	-6.56	74.09						
3	3357.061	51.07	-3.84	47.23	74.00	-26.77	peak			
4	4959.307	50.56	-1.12	49.44	74.00	-24.56	peak			



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Distance: 3m

Site: 1# Chamber Tel:+86-0755-26503290

Fax:+86-0755-26503396

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Job No.: alen #3927 Polarization: Vertical

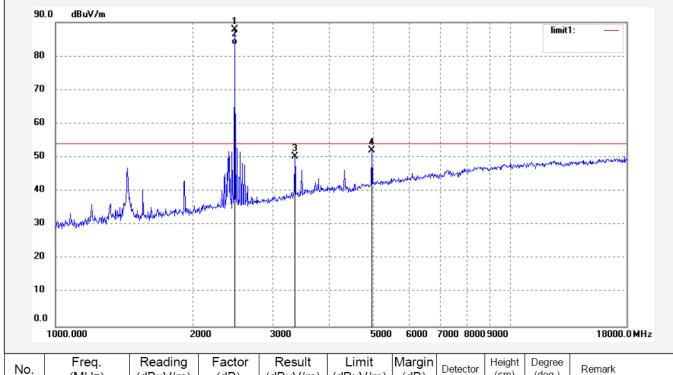
Standard: FCC Class B 3M Radiated Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 14/04/10/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 9/14/23
EUT: Mohu Channels Engineer Signature:

Mode: TX 2479MHz

Model: MHCHBOX01

Manufacturer: VideoStrong



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2478.310	94.47	-6.56	87.91						
2	2478.310	89.84	-6.56	83.28						
3	3357.061	54.13	-3.84	50.29	74.00	-23.71	peak			
4	4959.307	53.24	-1.12	52.12	74.00	-21.88	peak			



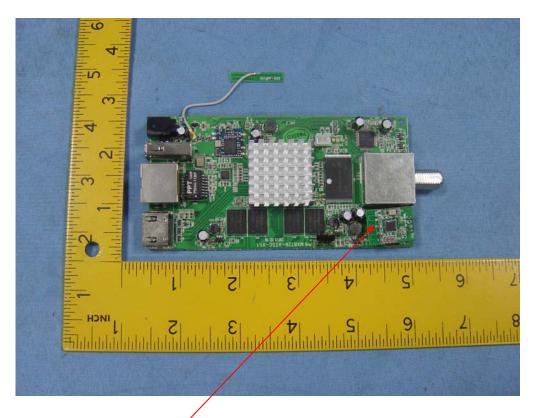
9. ANTENNA REQUIREMENT

9.1.The Requirement

According to 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.

9.2. Antenna Construction

Device is equipped with unique PCB antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna