

FCC CERTIFICATION
On Behalf of
GreenWave Scientific, Inc., d/b/a Mohu

Mohu Channels Remote Controller
Model No.: MHCHRMT01

FCC ID: 2ABUT-MHCHRMT01

Prepared for : GreenWave Scientific, Inc., d/b/a Mohu
Address : 2720 Discovery Dr. Raleigh, NC 27616 United States

Prepared by : ACCURATE TECHNOLOGY CO. LTD
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Report Number : ATE20140319
Date of Test : March 29, 2014
Date of Report : April 8, 2014

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APPENDIX I (TEST CURVES) (24pages)

Test Report Certification

Applicant : GreenWave Scientific, Inc., d/b/a Mohu
 Manufacturer : SHENZHEN C&D ELECTRONICS CO., LTD
 EUT Description : Mohu Channels Remote Controller
 (A) MODEL NO.: MHCHRMT01
 (B) Trade Mark: Mohu
 (C) POWER SUPPLY: DC 6V

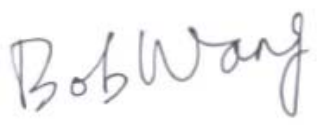
Measurement Procedure Used:

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

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.

Date of Test : March 29, 2014

Prepared by : 
 (Engineer)

Approved & Authorized Signer : 
 (Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Mohu Channels Remote Controller
Model Number	:	MHCHRMT01
Trade Mark	:	Mohu
Power Supply	:	DC 6V
Operate Frequency	:	2402-2479MHz
Applicant	:	GreenWave Scientific, Inc., d/b/a Mohu
Address	:	2720 Discovery Dr. Raleigh, NC 27616 United States
Manufacturer	:	SHENZHEN C&D ELECTRONICS CO., LTD
Address	:	The second building, Xiayousong Mountaintop Industrial Zone, Yousong Community, Longhua Street, Bao'an District, shenzhen
Date of sample received	:	March 23, 2014
Date of Test	:	March 29, 2014

1.2. 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

1.3.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)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated date	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	BBHA9170	9170-359	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

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	N/A
Section 15.249(a)	Fundamental and Harmonics Radiated Emission	Compliant
Section 15.249(d)	Spurious Radiated Emission	Compliant
Section 15.249(d)	Band Edge	Compliant
Section 15.203	Antenna Requirement	Compliant

Remark: “N/A” means “Not applicable”.

4. FUNDAMENTAL AND HARMONICS RADIATED EMISSION FOR SECTION 15.249(A)

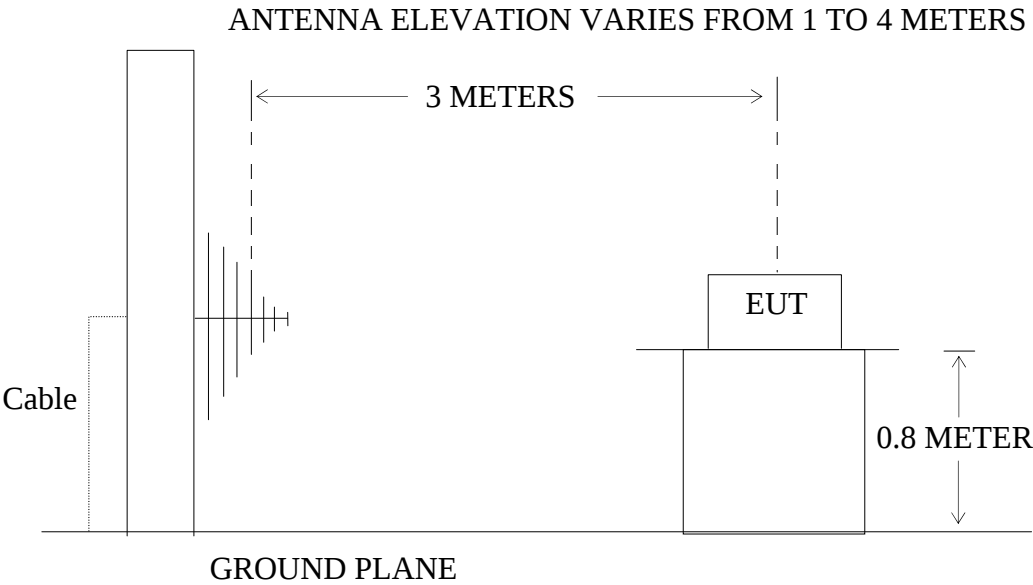
4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators



(EUT: Mohu Channels Remote Controller)

4.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: Mohu Channels Remote Controller)

4.2.The Emission Limit

4.2.1.For intentional radiators, According to section 15.249(a), Operation within the frequency band of 2.4 to 2.4835GHz, The fundamental field strength shall not exceed 94 dB μ V/m and the harmonics shall not exceed 54 dB μ V/m.

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of harmonics (microvolts/meter)
902-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

4.2.2.According to section 15.249(e), as shown in section 15.35(b), the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

4.3.Configuration of EUT on Measurement

The following 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.

4.3.1. Mohu Channels Remote Controller (EUT)

Model Number : MHCHRMT01
 Serial Number : N/A
 Manufacturer : SHENZHEN C&D ELECTRONICS CO., LTD

4.4.Operating Condition of EUT

4.4.1.Setup the EUT and simulator as shown as Section 4.1.

4.4.2.Turn on the power of all equipment.

4.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402.000MHz-2479.000MHz. We are select 2402MHz, 2436.000MHz, 2479.000MHz TX frequency to transmit.

4.5. 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 bi-log 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 120kHz in 30-1000MHz. and set at 1MHz in above 1000MHz.

The frequency range from 30MHz to 25000MHz is checked.

4.6.The Field Strength of Radiation Emission Measurement Results PASS.

Date of Test:	March 29, 2014	Temperature:	25°C
EUT:	Mohu Channels Remote Controller	Humidity:	50%
Model No.:	MHCHRMT01	Power Supply:	DC 6V
Test Mode:	TX 2402MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		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

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4804	43.50	50.89	-1.59	41.91	49.30	54	74	-12.09	-24.70	Vertical
7206	43.55	48.88	1.29	44.84	50.17	54	74	-9.16	-23.83	Vertical
4804	39.25	45.87	-1.59	37.66	44.28	54	74	-16.34	-29.72	Horizontal
7206	40.05	45.97	1.29	41.34	47.26	54	74	-12.66	-26.74	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 29, 2014	Temperature:	25°C
EUT:	Mohu Channels Remote Controller	Humidity:	50%
Model No.:	MHCHRMT01	Power Supply:	DC 6V
Test Mode:	TX 2436.000MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
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

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4872	43.59	50.31	-1.37	42.22	49.94	54	74	-11.78	-25.06	Vertical
7308	43.69	51.04	1.38	45.07	52.42	54	74	-8.93	-21.58	Vertical
4872	40.11	46.72	-1.37	38.74	45.35	54	74	-15.26	-28.65	Horizontal
7308	42.96	49.68	1.38	44.34	51.06	54	74	-9.66	-22.94	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 29, 2014	Temperature:	25°C
EUT:	Mohu Channels Remote Controller	Humidity:	50%
Model No.:	MHCHRMT01	Power Supply:	DC 6V
Test Mode:	TX 2479.000MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
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

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4958	41.27	45.52	-1.12	40.15	44.40	54	74	-13.85	-29.60	Vertical
7437	43.52	50.55	1.50	45.02	52.05	54	74	-8.98	-21.95	Vertical
4958	41.20	47.47	-1.12	40.08	46.35	54	74	-13.92	-27.65	Horizontal
7437	42.99	50.29	1.50	44.49	51.79	54	74	-9.51	-22.21	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)

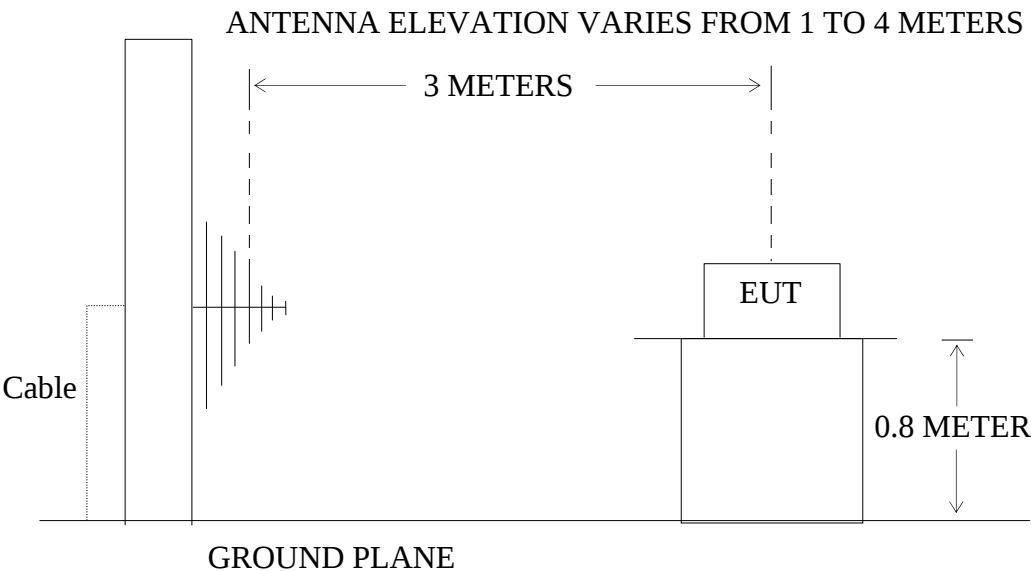
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



(EUT: Mohu Channels Remote Controller)

5.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: Mohu Channels Remote Controller)

5.2. The Emission Limit For Section 15.249(d)

5.2.1. Emission radiated outside of the specified frequency bands, except for harmonics, shall be comply with the general radiated emission limits in Section 15.209.

Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit		The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector.
	Field Strength (microvolts/meter)	Measurement Distance (meters)	
0.009 – 0.490	$2400/F(\text{kHz})$	300	

0.490 – 1.705	24000/F(kHz)	30	Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
1.705 – 30.0	30	30	
30 - 88	100	3	
88 - 216	150	3	
216 - 960	200	3	
Above 960	500	3	

5.3.EUT Configuration on Measurement

The following 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.

5.3.1. Mohu Channels Remote Controller (EUT)

Model Number : MHCHRMT01
 Serial Number : N/A
 Manufacturer : SHENZHEN C&D ELECTRONICS CO., LTD

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 TX modes measure it. The transmit frequency are 2402.000MHz-2479.000MHz. We are select 2402MHz, 2436.000MHz, 2479.000MHz TX frequency to transmit.

5.5. 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 9kHz in below 30MHz. and set at 120kHz in 30-1000MHz, and 1MHz in above 1000MHz.

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

The final measurement in band 9-90kHz, 110-490kHz 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.

5.6.The Emission Measurement Result

PASS.

Date of Test:	March 29, 2014	Temperature:	25°C
EUT:	Mohu Channels Remote Controller	Humidity:	50%
Model No.:	MHCHRMT01	Power Supply:	DC 6V
Test Mode:	TX 2402MHz	Test Engineer:	Pei

30MHz-25GHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
84.9993	32.42	-22.71	9.71	40.00	-30.29	Vertical
312.1792	30.82	-19.75	11.07	46.00	-34.93	
665.8034	30.87	-13.05	17.82	46.00	-28.18	
223.7333	34.09	-21.80	12.29	46.00	-33.71	Horizontal
351.7078	33.52	-18.40	15.12	46.00	-30.88	
704.2259	32.49	-12.44	20.05	46.00	-25.95	

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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 29, 2014	Temperature:	25°C
EUT:	Mohu Channels Remote Controller	Humidity:	50%
Model No.:	MHCHRMT01	Power Supply:	DC 6V
Test Mode:	TX 2436.000MHz	Test Engineer:	Pei

30MHz-25GH

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
32.7486	31.84	-19.19	12.65	40.00	-27.35	Vertical
86.2001	32.49	-22.76	9.73	40.00	-30.27	
572.6144	30.03	-14.90	15.13	46.00	-30.87	
44.7433	31.47	-21.05	10.42	40.00	-29.58	Horizontal
314.3765	31.97	-19.69	12.29	46.00	-33.72	
742.2586	30.25	-11.57	18.68	46.00	-27.32	

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

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 29, 2014	Temperature:	25°C
EUT:	Mohu Channels Remote Controller	Humidity:	50%
Model No.:	MHCHRMT01	Power Supply:	DC 6V
Test Mode:	TX 2479.000MHz	Test Engineer:	Pei

30MHz-25GH

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
84.7019	32.12	-22.70	9.42	40.00	-30.58	Vertical
614.2142	30.85	-14.02	16.83	46.00	-29.17	
975.7529	29.72	-8.01	21.71	46.00	-24.26	
33.7986	31.14	-19.57	11.57	40.00	-28.43	Horizontal
84.4054	32.19	-22.69	9.50	40.00	-30.50	
909.6666	29.32	-8.90	20.42	46.00	-25.58	

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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

6. BAND EDGES

6.1.The Requirement

6.1.1.Band Edge from 2400MHz to 2483.5MHz. Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

6.2.EUT Configuration on Measurement

The following 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.

6.2.1. Mohu Channels Remote Controller (EUT)

Model Number	:	MHCHRMT01
Serial Number	:	N/A
Manufacturer	:	SHENZHEN C&D ELECTRONICS CO., LTD

6.3.Operating Condition of EUT

6.3.1.Setup the EUT and simulator as shown as Section 4.1.

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 2402-2479MHz MHz. We are select 2402MHz, 2479.000MHz TX frequency to transmit.

6.4.Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
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

6.5.The Measurement Result

Pass.

Date of Test:	March 29, 2014	Temperature:	25°C
EUT:	Mohu Channels Remote Controller	Humidity:	50%
Model No.:	MHCHRMT01	Power Supply:	DC 6V
Test Mode:	TX 2402MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	34.90	42.46	-6.99	27.91	35.47	54.00	74.00	-26.09	-38.53	Vertical
2390.000	35.39	42.12	-6.78	28.61	35.34	54.00	74.00	-25.39	-38.66	Vertical
2310.000	34.25	42.27	-6.99	27.26	35.28	54.00	74.00	-26.74	-38.72	Horizontal
2390.000	35.88	41.88	-6.78	29.10	35.10	54.00	74.00	-24.90	-38.90	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 29, 2014	Temperature:	25°C
EUT:	Mohu Channels Remote Controller	Humidity:	50%
Model No.:	MHCHRMT01	Power Supply:	DC 6V
Test Mode:	TX 2479.000MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	35.28	43.61	-6.54	28.74	37.07	54.00	74.00	-25.26	-36.93	Vertical
2500.000	34.69	42.65	-6.50	28.19	36.15	54.00	74.00	-25.81	-37.85	Vertical
2483.500	36.90	43.61	-6.54	30.36	37.07	54.00	74.00	-23.64	-36.93	Horizontal
2500.000	35.38	43.72	-6.50	28.88	37.22	54.00	74.00	-25.12	-36.78	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

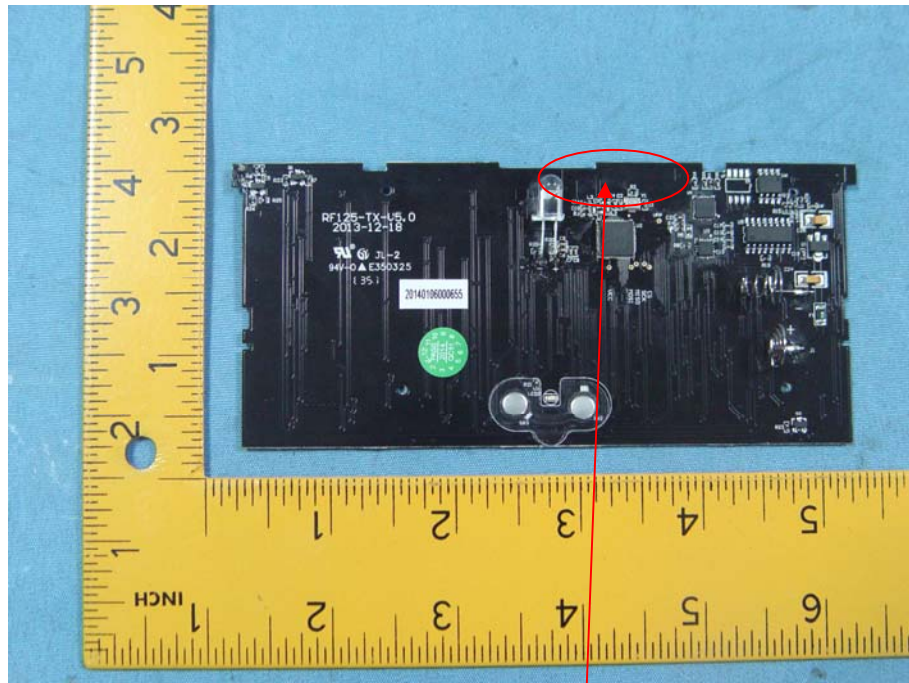
7. ANTENNA REQUIREMENT

7.1.The Requirement

7.1.1. 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.

7.2.Antenna Construction

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



Antenna

APPENDIX I (Test Curves)



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #4597

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2402MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

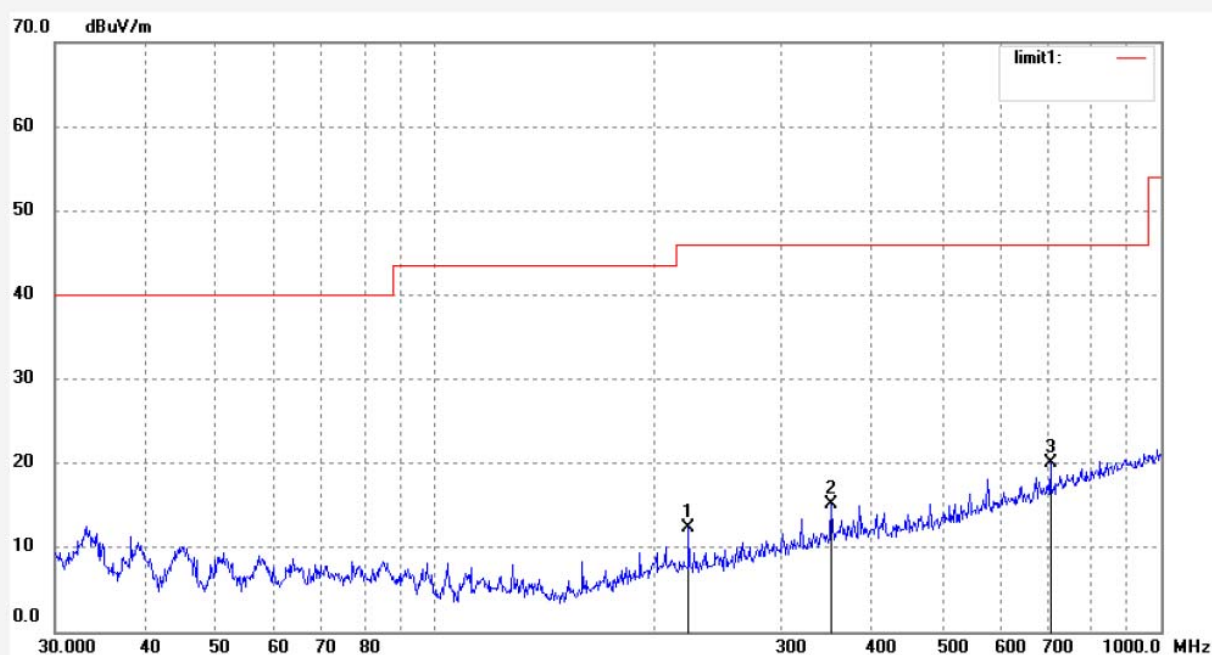
Date: 14/03/29/

Time: 8/34/24

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	223.7333	34.09	-21.80	12.29	46.00	-33.71	QP			
2	351.7078	33.52	-18.40	15.12	46.00	-30.88	QP			
3	704.2259	32.49	-12.44	20.05	46.00	-25.95	QP			



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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #4598

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2402MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

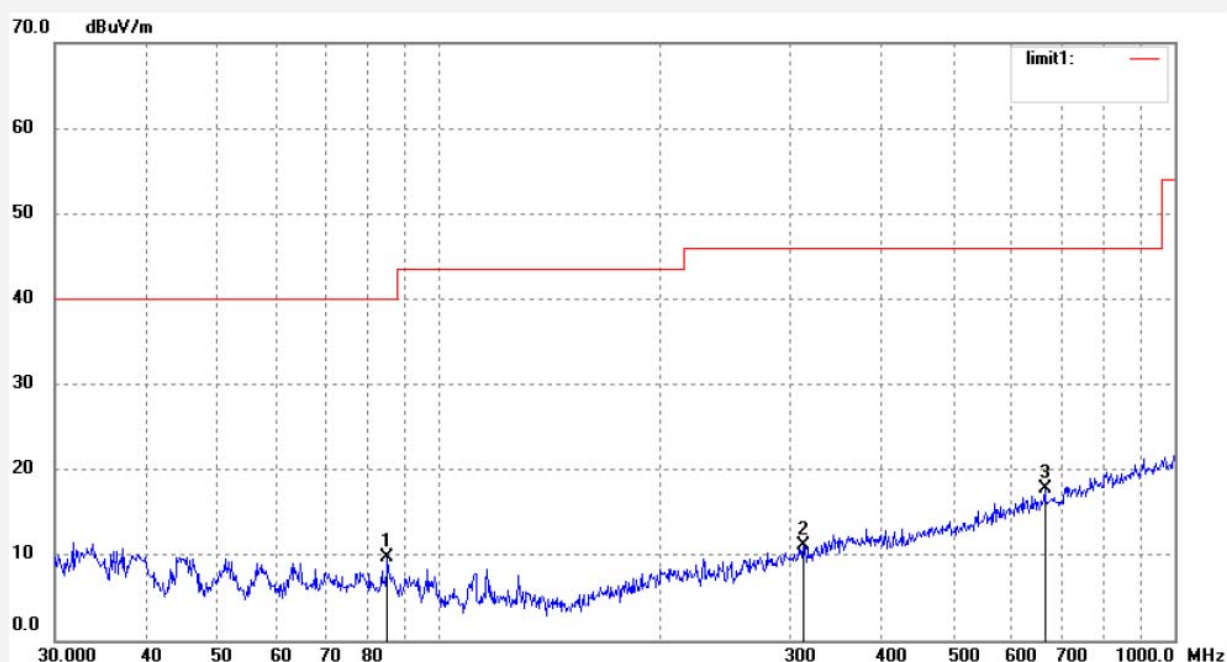
Date: 14/03/29/

Time: 8/37/15

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	84.9993	32.42	-22.71	9.71	40.00	-30.29	QP			
2	312.1792	30.82	-19.75	11.07	46.00	-34.93	QP			
3	665.8034	30.87	-13.05	17.82	46.00	-28.18	QP			



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

Job No.: star #4603

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2402MHz

Model: MHCHRT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

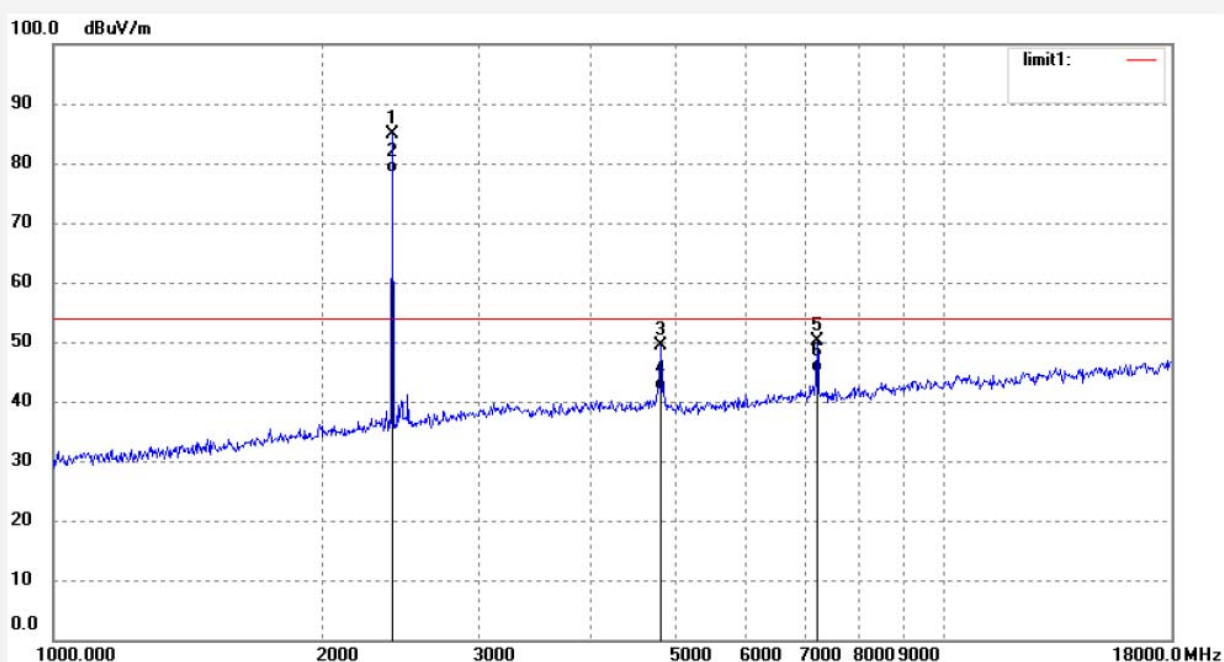
Date: 14/03/29/

Time: 8/56/15

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	91.64	-6.76	84.88	114.00	-29.12	peak			
2	2402.000	85.25	-6.76	78.49	94.00	-15.51	AVG			
3	4804.000	50.89	-1.59	49.30	74.00	-24.70	peak			
4	4804.000	43.50	-1.59	41.91	54.00	-12.09	AVG			
5	7206.000	48.88	1.29	50.17	74.00	-23.83	peak			
6	7206.000	43.55	1.29	44.84	54.00	-9.16	AVG			



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

Job No.: star #4604

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2402MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

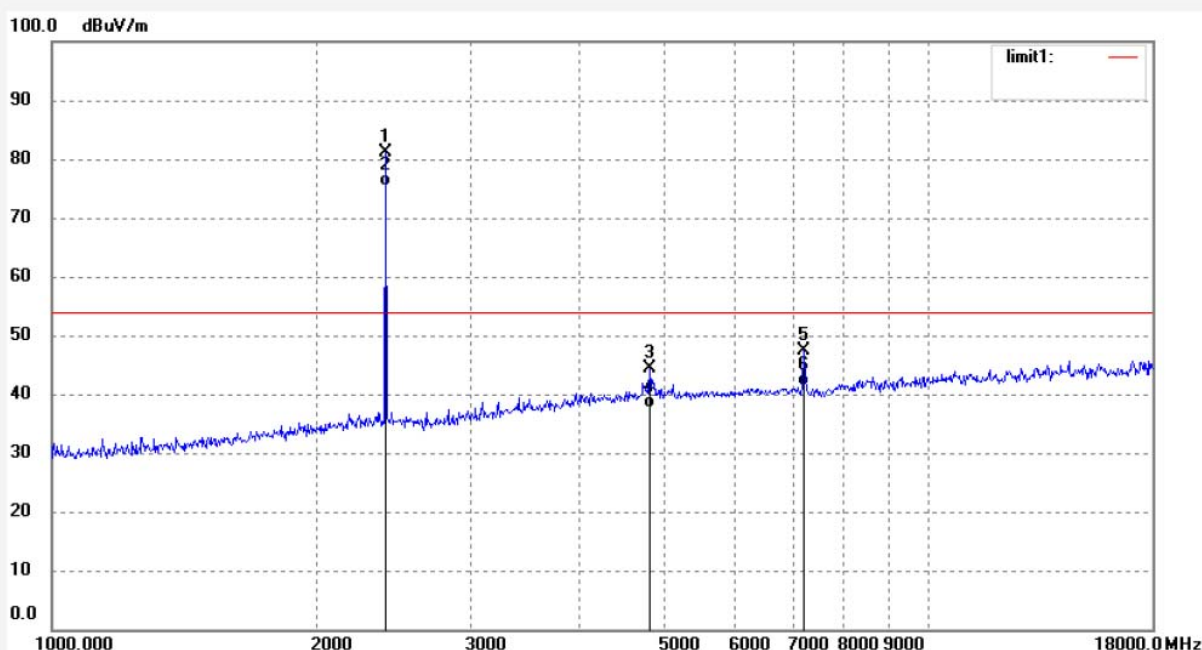
Date: 14/03/29/

Time: 9/00/33

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	87.95	-6.76	81.19	114.00	-32.81	peak			
2	2402.000	82.14	-6.76	75.39	94.00	-18.61	AVG			
3	4804.000	45.87	-1.59	44.28	74.00	-29.72	peak			
4	4804.000	39.25	-1.59	37.66	54.00	-16.34	AVG			
5	7206.000	45.97	1.29	47.26	74.00	-26.74	peak			
6	7206.000	40.05	1.29	41.34	54.00	-12.66	AVG			


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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star #4609

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2402MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

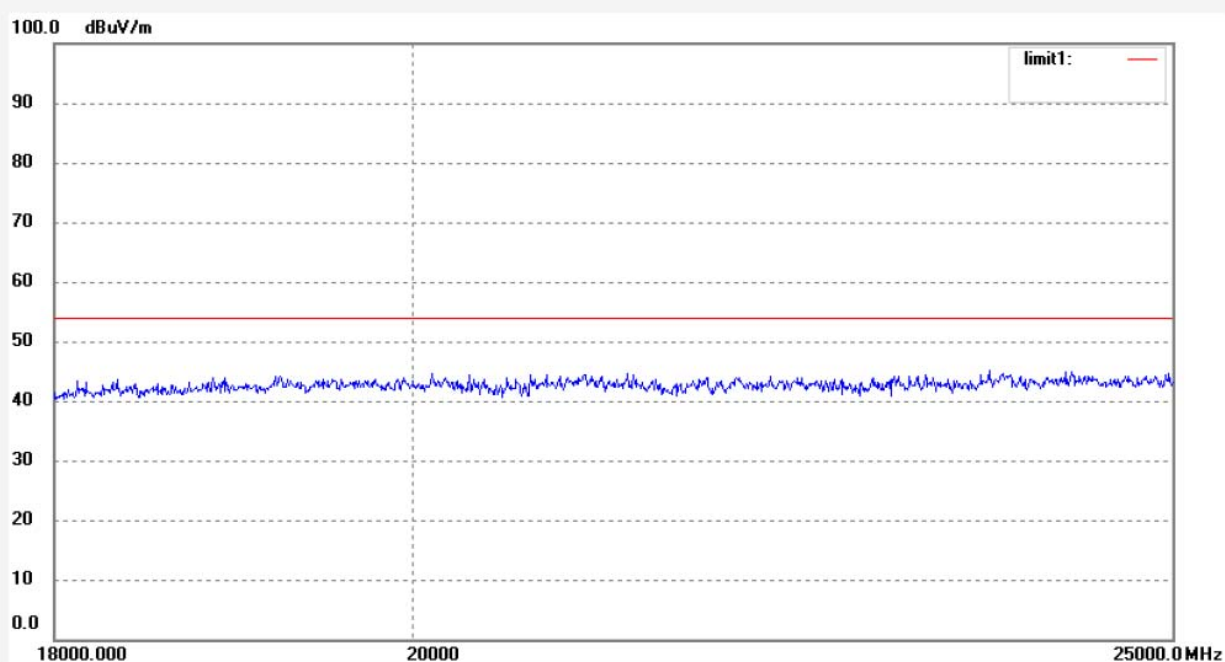
Date: 14/03/29/

Time: 9/19/50

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star #4610

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2402MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

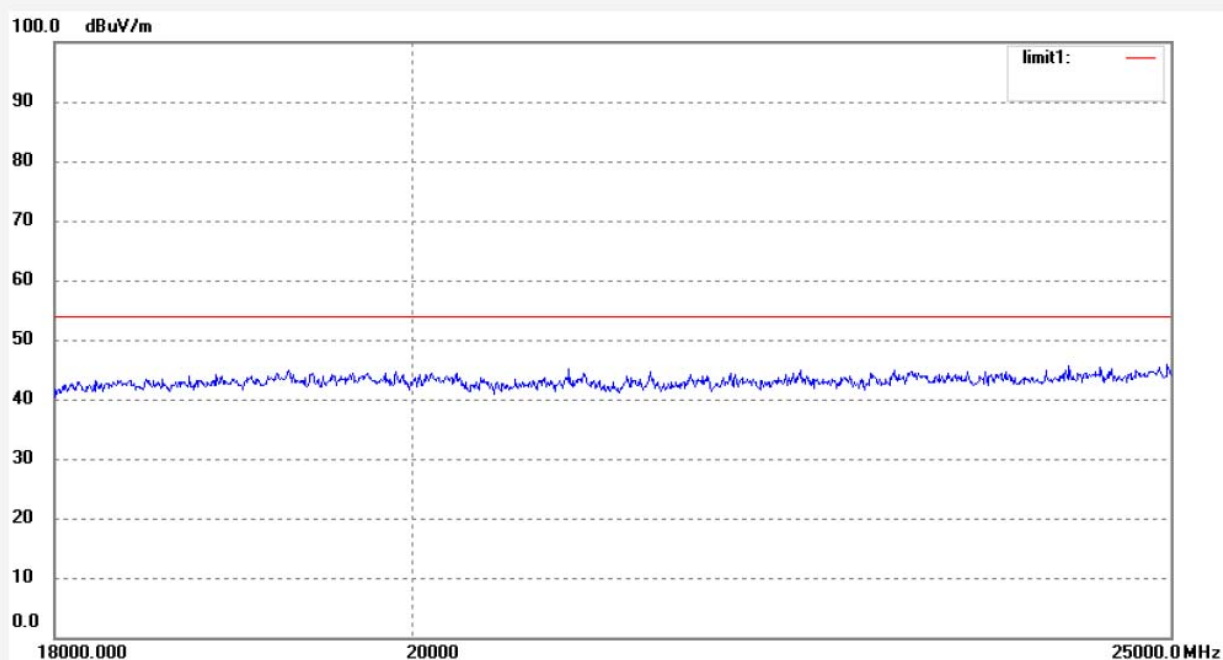
Date: 14/03/29/

Time: 9/23/45

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star #4599

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2436MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

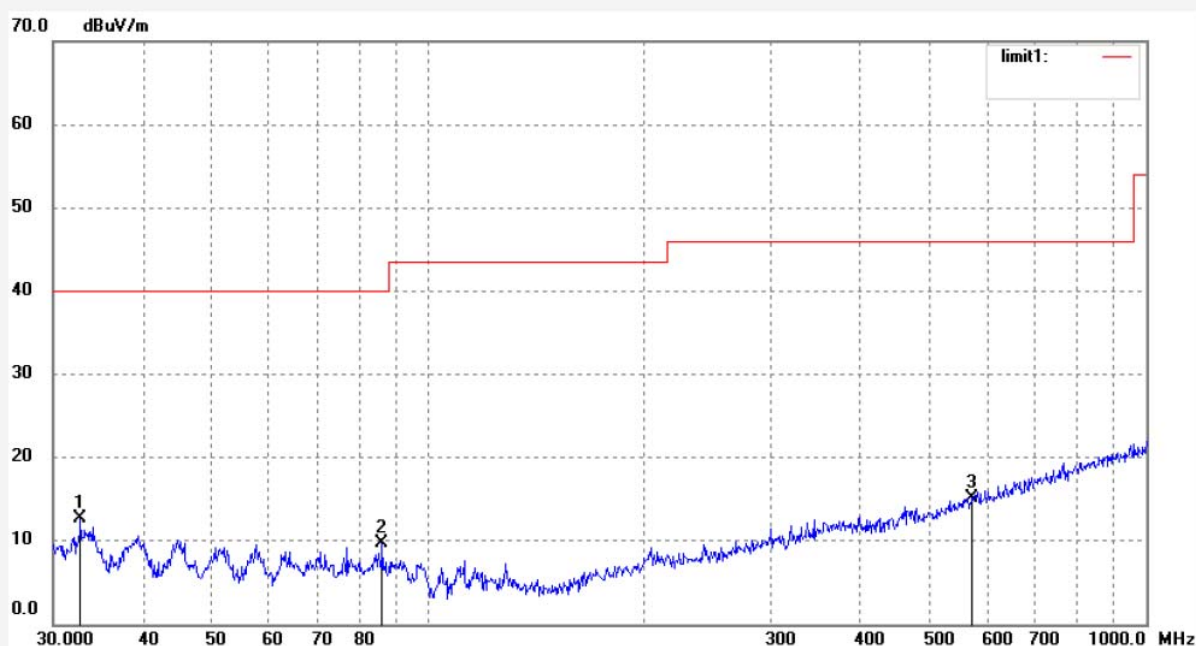
Date: 14/03/29/

Time: 8/41/19

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	31.84	-19.19	12.65	40.00	-27.35	QP			
2	86.2001	32.49	-22.76	9.73	40.00	-30.27	QP			
3	572.6144	30.03	-14.90	15.13	46.00	-30.87	QP			



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Job No.: star #4600

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2436MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

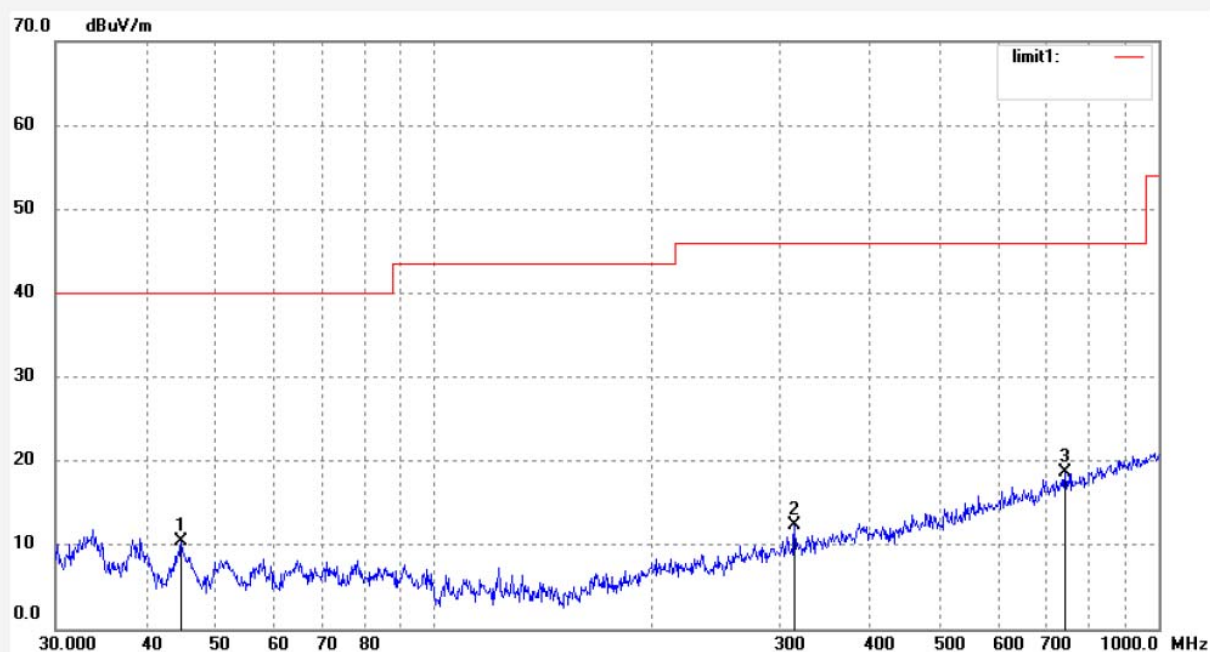
Date: 14/03/29/

Time: 8/44/46

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	44.7433	31.47	-21.05	10.42	40.00	-29.58	QP			
2	314.3765	31.97	-19.69	12.28	46.00	-33.72	QP			
3	742.2586	30.25	-11.57	18.68	46.00	-27.32	QP			



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

Job No.: star #4605

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2436MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

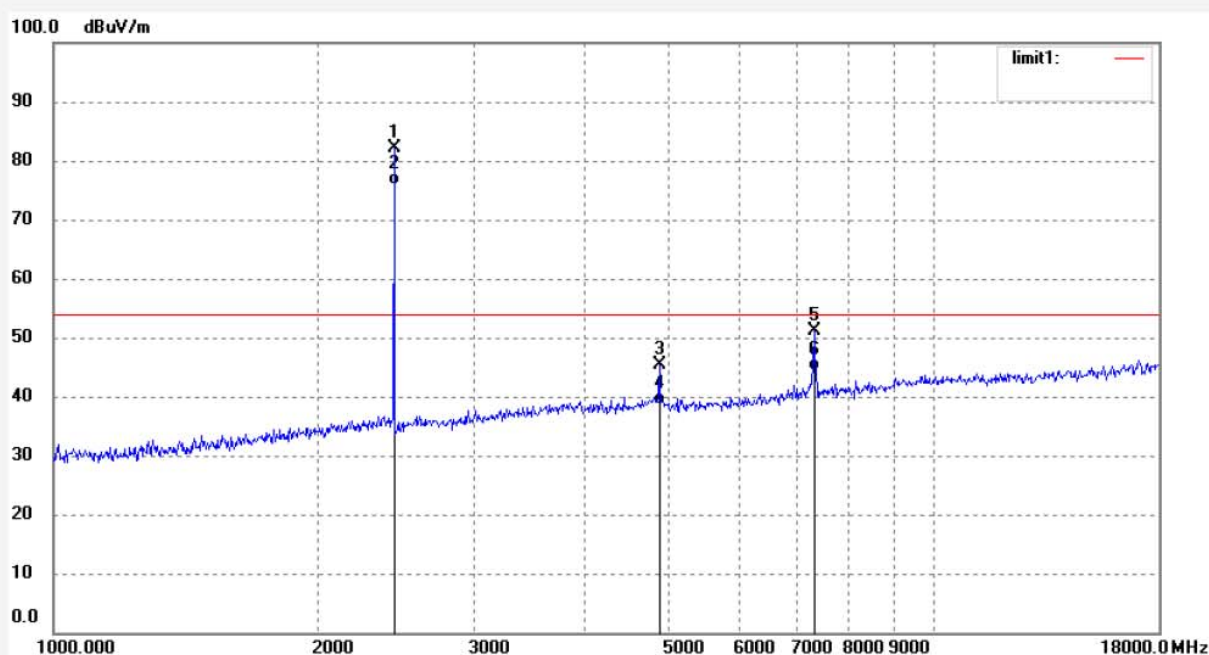
Date: 14/03/29/

Time: 9/04/14

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2436.000	88.92	-6.67	82.25	114.00	-31.75	peak			
2	2436.000	82.58	-6.67	75.91	94.00	-18.09	AVG			
3	4872.000	46.72	-1.37	45.35	74.00	-28.65	peak			
4	4872.000	40.11	-1.37	38.74	54.00	-15.26	AVG			
5	7308.000	49.68	1.38	51.06	74.00	-22.94	peak			
6	7308.000	42.96	1.38	44.34	54.00	-9.66	AVG			



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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star #4606

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2436MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

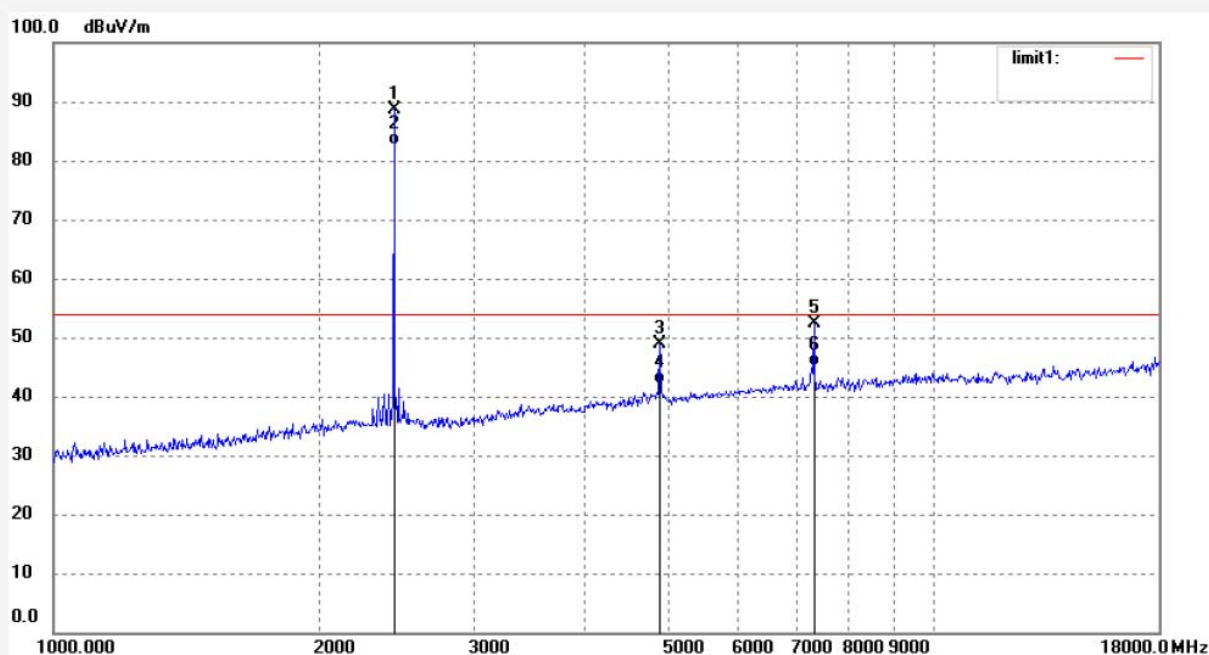
Date: 14/03/29/

Time: 9/08/03

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2436.000	95.32	-6.67	88.65	114.00	-25.35	peak			
2	2436.000	89.35	-6.67	82.68	94.00	-11.32	AVG			
3	4872.000	50.31	-1.37	48.94	74.00	-25.06	peak			
4	4872.000	43.59	-1.37	42.22	54.00	-11.78	AVG			
5	7308.000	51.04	1.38	52.42	74.00	-21.58	peak			
6	7308.000	43.69	1.38	45.07	54.00	-8.93	AVG			



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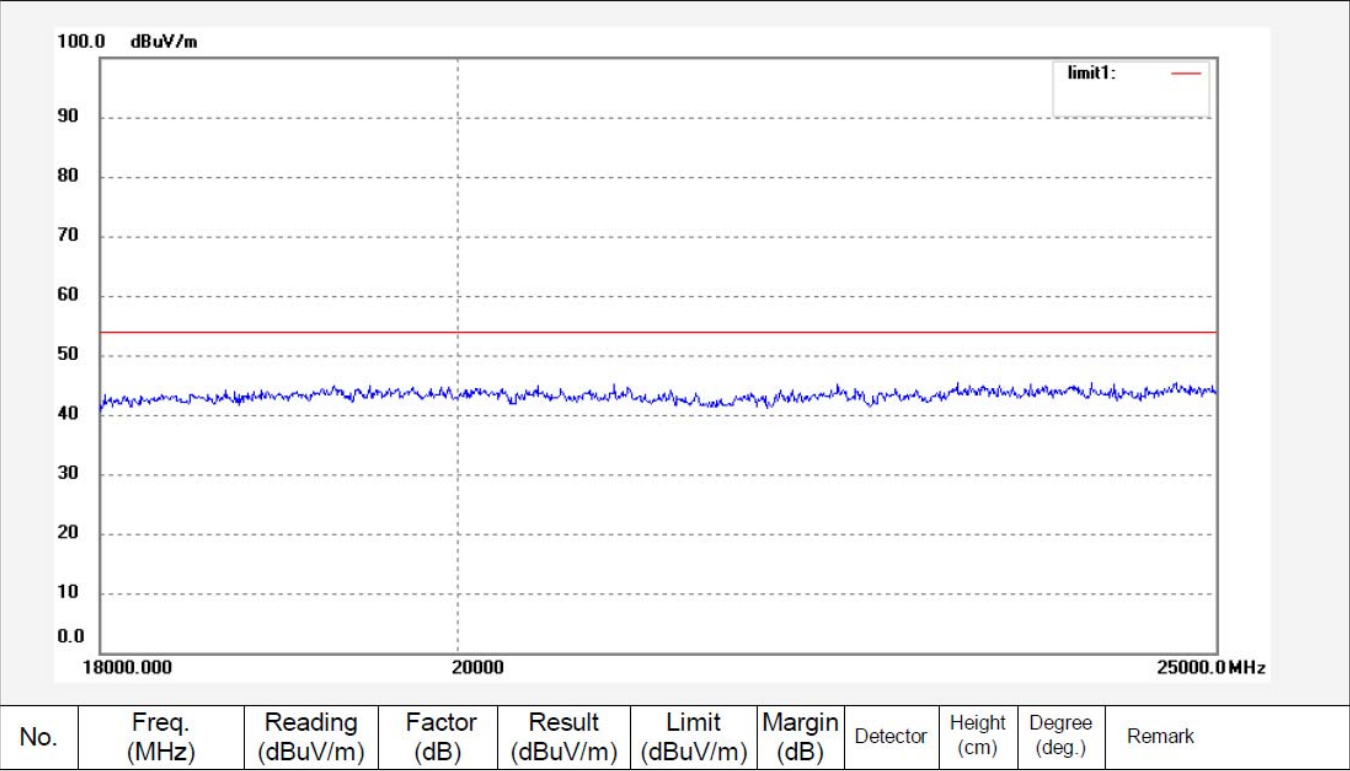
Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #4611	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 6V
Test item: Radiation Test	Date: 14/03/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/28/44
EUT: Mohu Channels Remote Controller	Engineer Signature: STAR
Mode: TX 2436MHz	Distance: 3m
Model: MHCHRMT01	
Manufacturer: C&D	

Note: Report No.:ATE20140319



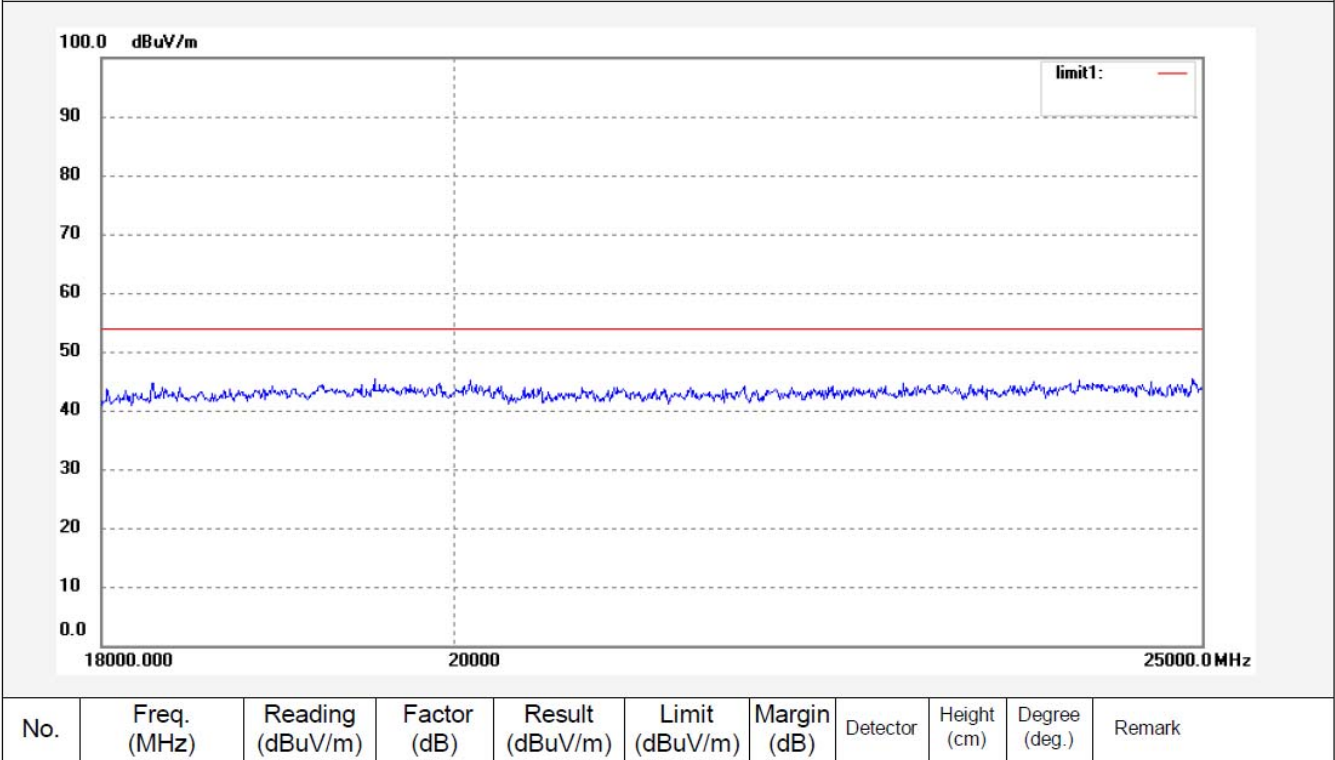


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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: star #4612	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 6V
Test item: Radiation Test	Date: 14/03/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/32/39
EUT: Mohu Channels Remote Controller	Engineer Signature: STAR
Mode: TX 2436MHz	Distance: 3m
Model: MHCHRMT01	
Manufacturer: C&D	
Note: Report No.:ATE20140319	





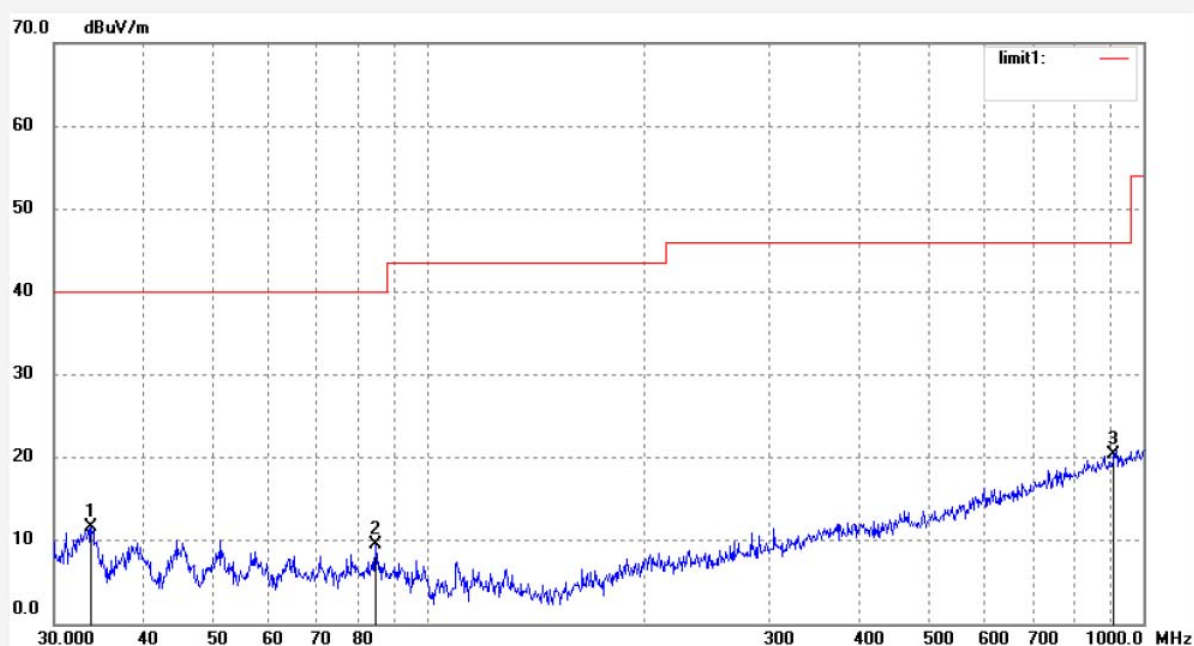
ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #4601	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 6V
Test item: Radiation Test	Date: 14/03/29/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/48/22
EUT: Mohu Channels Remote Controller	Engineer Signature: STAR
Mode: TX 2479MHz	Distance: 3m
Model: MHCHRMT01	
Manufacturer: C&D	

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.7986	31.14	-19.57	11.57	40.00	-28.43	QP			
2	84.4054	32.19	-22.69	9.50	40.00	-30.50	QP			
3	909.6666	29.32	-8.90	20.42	46.00	-25.58	QP			



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Site: 1# Chamber

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Job No.: star #4602

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2479MHz

Model: MHCHRMTO1

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

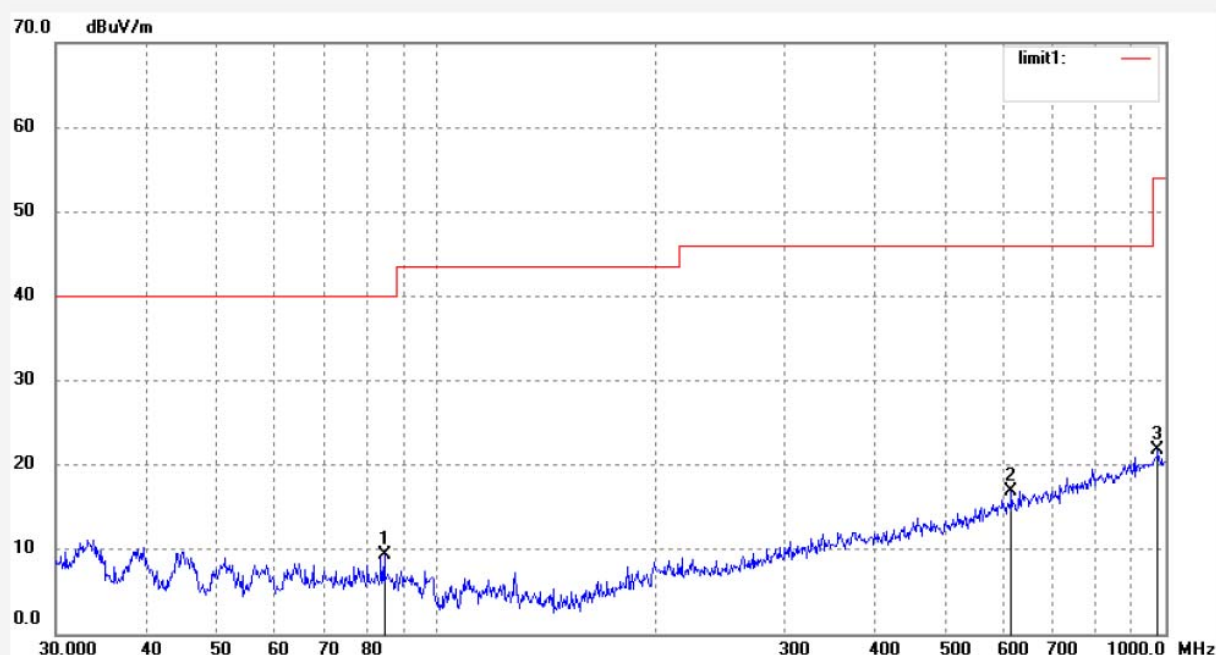
Date: 14/03/29/

Time: 8/51/58

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	84.7019	32.12	-22.70	9.42	40.00	-30.58	QP			
2	614.2142	30.85	-14.02	16.83	46.00	-29.17	QP			
3	975.7529	29.72	-8.01	21.71	46.00	-24.26	QP			



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Site: 1# Chamber

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Job No.: star #4607

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2479MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

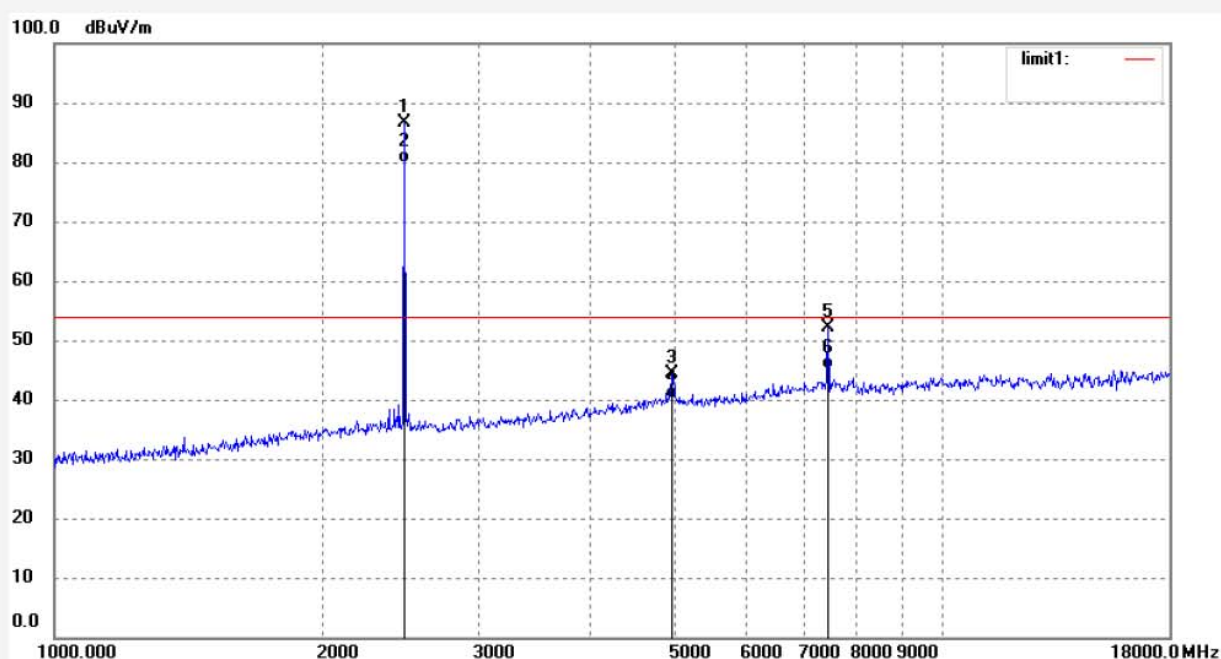
Date: 14/03/29/

Time: 9/11/39

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.000	93.29	-6.56	86.73	114.00	-27.27	peak			
2	2479.000	86.39	-6.56	79.83	94.00	-14.17	AVG			
3	4958.000	45.52	-1.12	44.40	74.00	-29.60	peak			
4	4958.000	41.27	-1.12	40.15	54.00	-13.85	AVG			
5	7437.000	50.55	1.50	52.05	74.00	-21.95	peak			
6	7437.000	43.52	1.50	45.02	54.00	-8.98	AVG			



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Fax:+86-0755-26503396

Job No.: star #4608

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2479MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

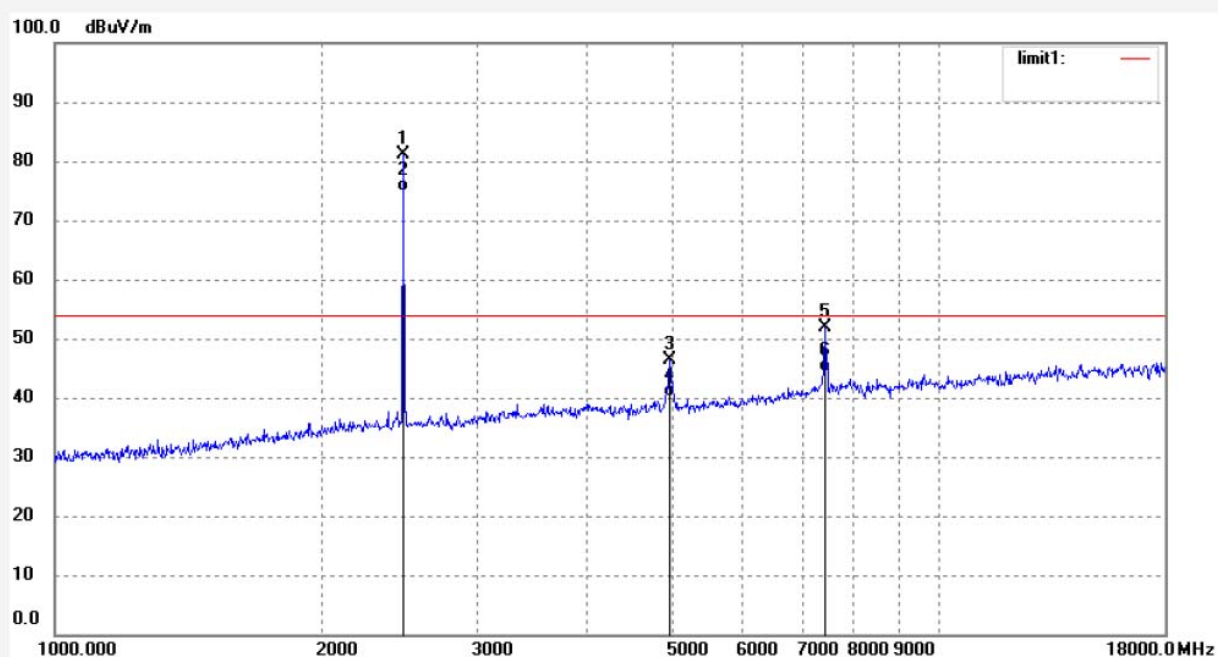
Date: 14/03/29/

Time: 9/15/11

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.000	87.60	-6.56	81.04	114.00	-32.96	peak			
2	2479.000	81.40	-6.56	74.84	94.00	-19.16	AVG			
3	4958.000	47.47	-1.12	46.35	74.00	-27.65	peak			
4	4958.000	41.20	-1.12	40.08	54.00	-13.92	AVG			
5	7437.000	50.29	1.50	51.79	74.00	-22.21	peak			
6	7437.000	42.99	1.50	44.49	54.00	-9.51	AVG			


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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star #4613

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2479MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

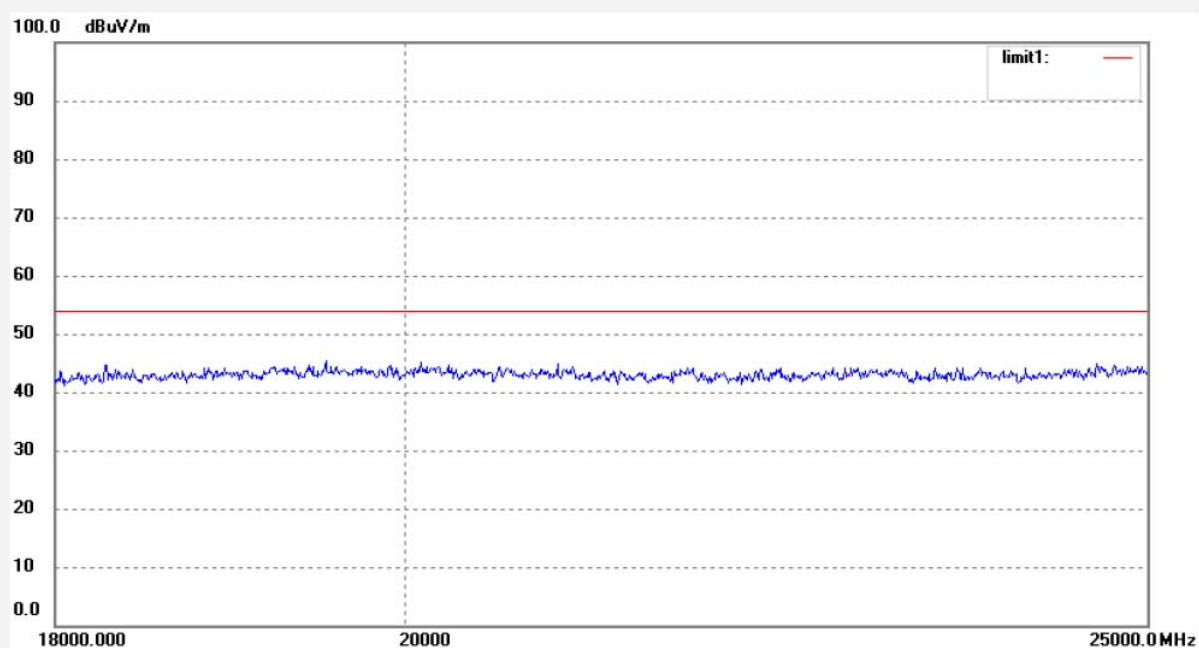
Date: 14/03/29/

Time: 9/36/37

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber
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Job No.: star #4614

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2479MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

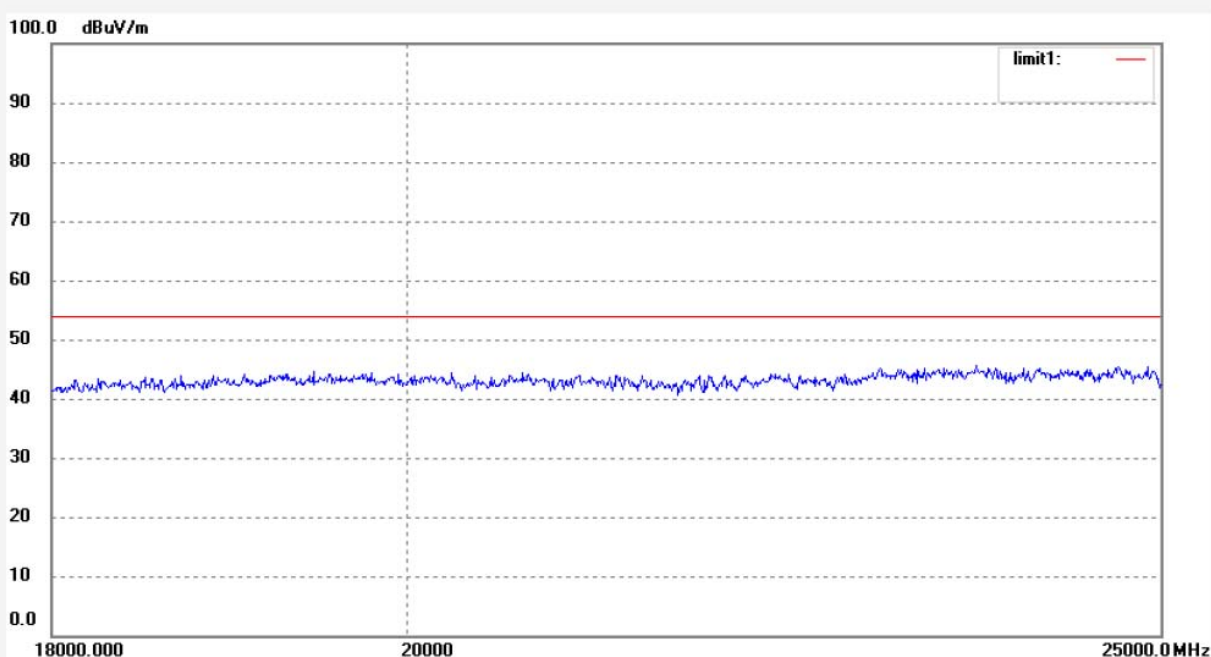
Date: 14/03/29/

Time: 9/40/23

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: star #4638

Standard: FCC PK

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2402MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

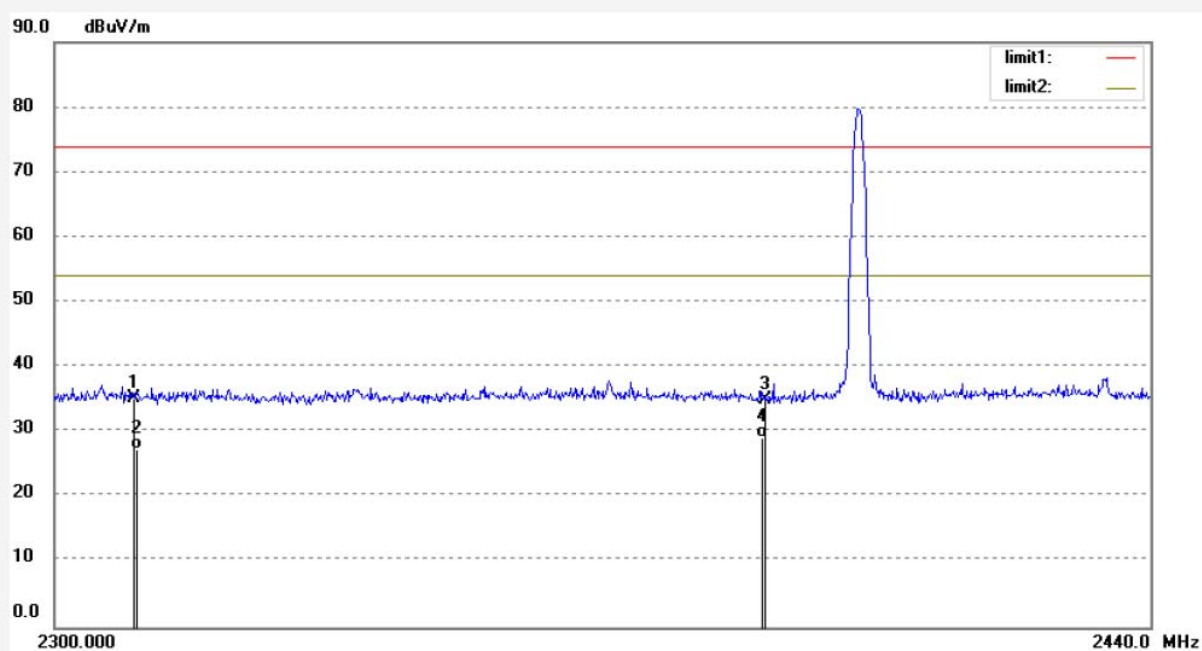
Date: 14/03/29/

Time: 11/47/44

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	42.27	-6.99	35.28	74.00	-38.72	peak			
2	2310.000	34.25	-6.99	27.26	54.00	-26.74	AVG			
3	2390.000	41.88	-6.78	35.10	74.00	-38.90	peak			
4	2390.000	35.88	-6.78	29.10	54.00	-24.90	AVG			



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Job No.: star #4639

Standard: FCC PK

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2402MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

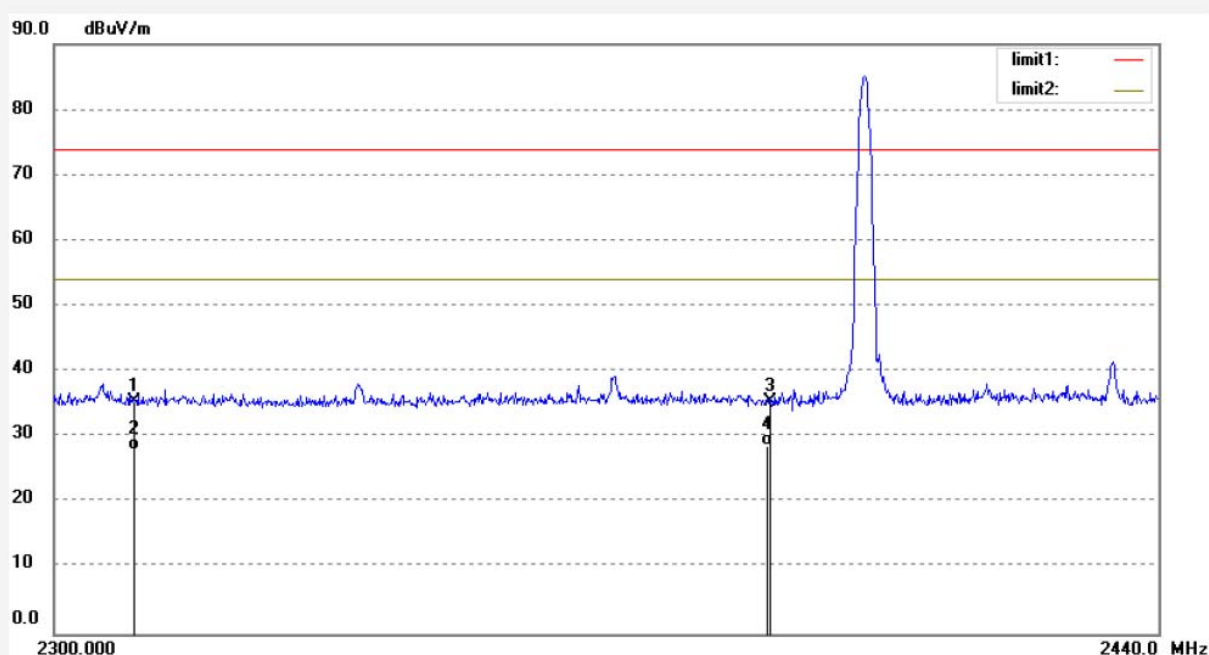
Date: 14/03/29/

Time: 11/51/54

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	42.46	-6.99	35.47	74.00	-38.53	peak			
2	2310.000	34.90	-6.99	27.91	54.00	-26.09	AVG			
3	2390.000	42.12	-6.78	35.34	74.00	-38.66	peak			
4	2390.000	35.39	-6.78	28.61	54.00	-25.39	AVG			



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Job No.: star #4640

Standard: FCC PK

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2479MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Vertical

Power Source: DC 6V

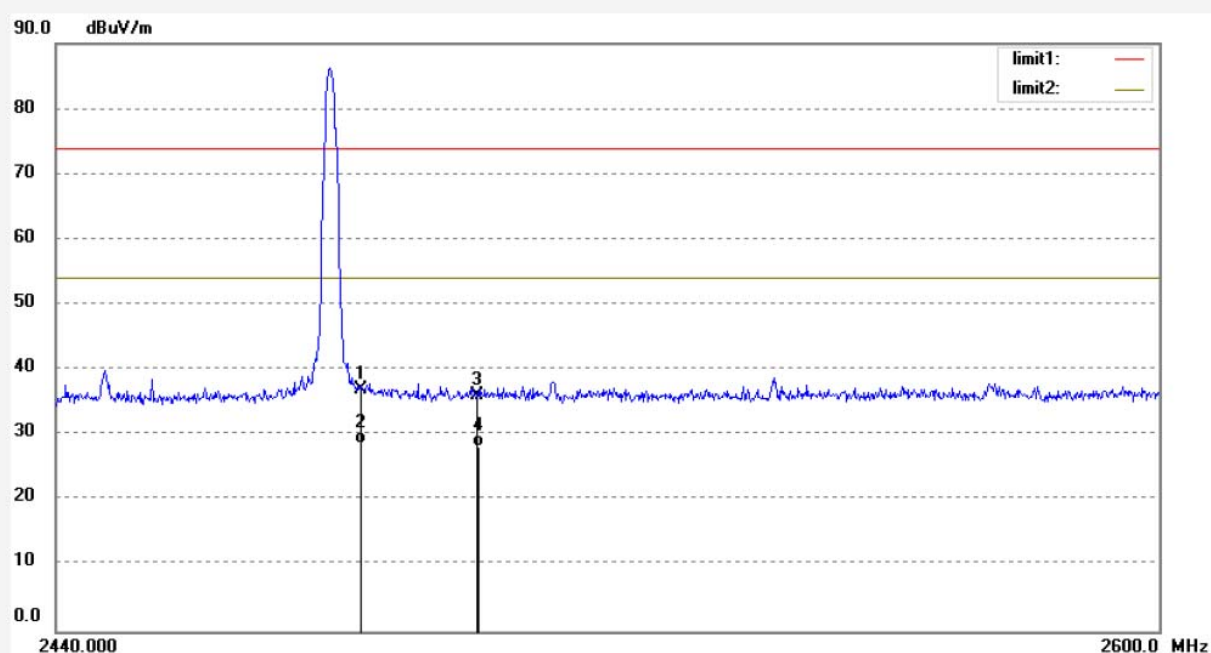
Date: 14/03/29/

Time: 11/55/37

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



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	43.61	-6.54	37.07	74.00	-36.93	peak			
2	2483.500	35.28	-6.54	28.74	54.00	-25.26	AVG			
3	2500.000	42.65	-6.50	36.15	74.00	-37.85	peak			
4	2500.000	34.69	-6.50	28.19	54.00	-25.81	AVG			



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Job No.: star #4641

Standard: FCC PK

Test item: Radiation Test

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

EUT: Mohu Channels Remote Controller

Mode: TX 2479MHz

Model: MHCHRMT01

Manufacturer: C&D

Polarization: Horizontal

Power Source: DC 6V

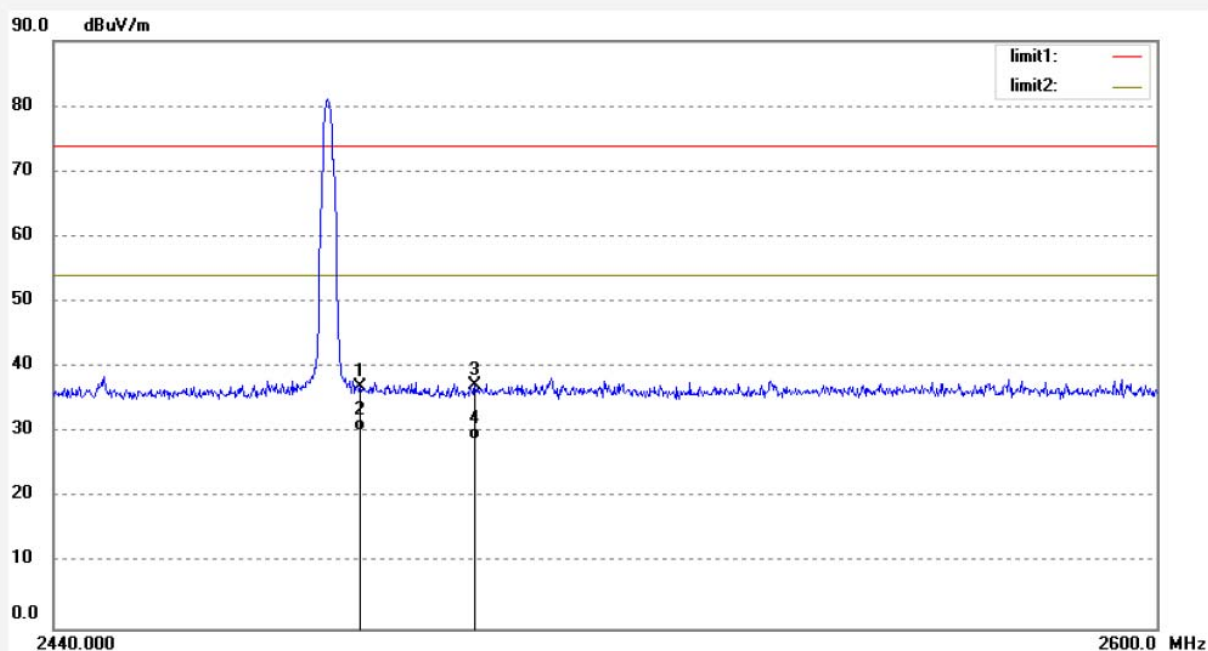
Date: 14/03/29/

Time: 11/58/57

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20140319



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	43.61	-6.54	37.07	74.00	-36.93	peak			
2	2483.500	36.90	-6.54	30.36	54.00	-23.64	AVG			
3	2500.000	43.72	-6.50	37.22	74.00	-36.78	peak			
4	2500.000	35.38	-6.50	28.88	54.00	-25.12	AVG			