

### Shenzhen Certification Technology Service Co., Ltd 2F, Building B, East Area of Nanchang Second Industrial Zone, Gushu 2nd Road, Bao'an District, Shenzhen518126, P.R. China.

## TEST REPORT

FCC ID: 2AABZMXII-C

**Applicant** : Aputure Imaging Industries Co., Ltd

Address : 3rd Floor, Building 21, Longjun industrial estate, Longhua,

Bao'an, Shenzhen, P.R.China

#### **Equipment under Test (EUT):**

Name : Aputure TrigMaster II

Model : MXII-C, MXII-N, MXII-P, MXII-S, MXII-L

**Standards**: FCC PART 15, SUBPART C: 2012 (Section 15.249)

**Report No.** : STI130621092

**Date of Test** : August 15-21, 2013

**Date of Issue** : August 22, 2013

Test Result : PASS \*

Authorized Signature

(Mark Zhu) General Manager

The manufacture should ensure that all the products in series production are in conformity with the product sample detailed in this report.

If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of Shenzhen Certification Technology Service Co., Ltd. Or test done by Shenzhen Certification Technology Service Co., Ltd. Approvals in connection with, distribution or use of the product described in this report must be approved by Shenzhen Certification Technology Service Co., Ltd. Approvals in writing.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above

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### 1 General Information

### 1.1 Description of Device (EUT)

Trade Name : N/A

EUT : Aputure TrigMaster II

Model No. : MXII-C, MXII-N, MXII-P, MXII-S, MXII-L

DIFF. Only different in appearance, the other the same.

The test model: MXII-C.

Type of Antenna : PCB Antenna, Max. Gain: 0dBi

Operation Frequency : 2401-2467MHz

Channel number : 17

Modulation type : FSK

Power Supply : DC 3V Supply by battery

Applicant · Aputure Imaging Industries Co., Ltd

Address : 3rd Floor, Building 21, Longjun industrial estate, Longhua,

Bao'an, Shenzhen, P.R.China

Manufacturer : Aputure Imaging Industries Co., Ltd

Address : 3rd Floor, Building 21, Longiun industrial estate, Longhua,

Bao'an, Shenzhen, P.R.China

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## 1.2 Description of Test Facility

Shenzhen Certification Technology Service Co., Ltd. 2F, Building B, East Area of Nanchang Second Industrial Zone, Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China FCC Registered No.:197647

2 EMC Equipment List

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
3m Semi-Anechoic	ETS-LINDGREN	N/A	SEL0017	16/11/2012	1 Year
Spectrum analyzer	Agilent	E4443A	MY46185649	31/10/2012	1 Year
Receiver	R&S	ESCI	100492	31/10/2012	1 Year
Receiver	R&S	ESCI	101202	31/10/2012	1 Year
Bilog Antenna	SCHWARZBECK	VULB 9168	VULB9168-438	12/02/2013	1 Year
L.I.S.N.	SCHWARZBECK	NSLK8126	8126466	31/10/2012	1 Year
Loop Antenna	R&S	FMZB1516	1516131	12/02/2013	1 Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D(1201)	12/02/2013	1 Year
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170 D(1432)	12/02/2013	1 Year
Cable	Resenberger	N/A	No.1	31/10/2012	1 Year
Cable	SCHWARZBECK	N/A	No.2	31/10/2012	1 Year
Cable	SCHWARZBECK	N/A	No.3	31/10/2012	1 Year
Pre-amplifier	SCHWARZBECK	BBV9743	9743-019	31/10/2012	1 Year
Pre-amplifier	R&S	AFS33-180026 50-30-8P-44	SEL0080	31/10/2012	1Year

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#### 3 Test Procedure

**POWER LINE CONDUCTED INTERFERENCE:** The test procedure used was ANSI Standard C63.4-2003 using a 50 u H LISN. Both Lines were observed. The bandwidth of the receiver was 10kHz with an appropriate sweep speed. The ambient temperature of the EUT was 25°C with a humidity of 58%.

**RADIATION INTERFERENCE:** The test procedure used was ANSI Standard C63.4-2003 using a ANRITSU spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a micro volt at the output of the antenna. The resolution bandwidth was 100kHz and the video bandwidth was 300 kHz up to 1 GHz and 1 MHz with a video BW of 3MHz above 1 GHz. The ambient temperature of the EUT was 25°C with a humidity of 58%.

**FORMULA OF CONVERSION FACTORS:** The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer and cable loss. The antenna correction factors and cable loss are stated in terms of dB. The gain of the Pre-selector was accounted for in the Spectrum Analyzer Meter Reading. Example:

ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES: The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation. When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes. The situation was similar for the conducted measurement except that the table did not rotate. The EUT was setup as described in ANSI Standard C63.4-2003 10.1.7 with the EUT 40 cm from the vertical ground wall.

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## 4 Summary of Measurement

### 4.1 Summary of test result

Test Item	Test Requirement	Stanadard Paragraph	Result
Spurious Emission	FCC PART 15: 2012	Section 15.249&15.209	Compliance
Conduction Emission	FCC PART 15: 2012	Section 15.207	Not applicable
Occupied bandwidth	FCC PART 15: 2012	Section 15.249	Compliance
Band edge Requirement	FCC PART 15: 2012	Section 15.249	Compliance
Antenna Requirement	FCC PART 15: 2012	Section 15.203	Compliance

Note: 1. EUT can by powered with inside battery, according to exploratory test, when powered by battery have worse emissions, and also can make sure EUT have enough power for wireless work, so all the final test were performed with new battery.

2. we also estimated all kinds of rotated direction of the antenna, this test direction is the worst mode.

#### 4.2 Test mode

Tested mode, channel information					
Mode Channel Frequency (MHz)					
	CH1	2401			
FSK	СН9	2434			
	CH17	2467			

Channel list				
Channel	Frequency (MHz)			
CH1	2401			
CH2	2405			
СН3	2409			
CH4	2413			
CH5	2418			
СН6	2422			
CH7	2426			
CH8	2430			
СН9	2434			
CH10	2438			
CH11	2442			
CH12	2446			

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CH13	2451
CH14	2455
CH15	2459
CH16	2463
CH17	2467

## 4.3 Block Diagram

EUT

## 4.4 Assistant equipment used for test

Description : N/A

Manufacturer : N/A

Model No. : N/A

### 4.5 Test Conditions

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

## 4.6 Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.50dB	
Uncertainty for Radiation Emission test in 3m chamber	2.13 dB	Polarize: V
(below 30MHz)	2.57dB	Polarize: H
Uncertainty for Radiation Emission test in 3m	3.04dB	Polarize: V
chamber (30MHz to 1GHz)	3.02dB	Polarize: H
Uncertainty for Radiation Emission test in 3m	3.84dB	Polarize: H
chamber (1GHz to 25GHz)	3.56dB	Polarize: V
Uncertainty for radio frequency	1×10 <sup>-9</sup>	
Uncertainty for temperature	0.2℃	
Uncertainty for humidity	3%	
Uncertainty for DC and low frequency voltages	0.06%	

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## 5 POWER LINE CONDUCTED EMISSION

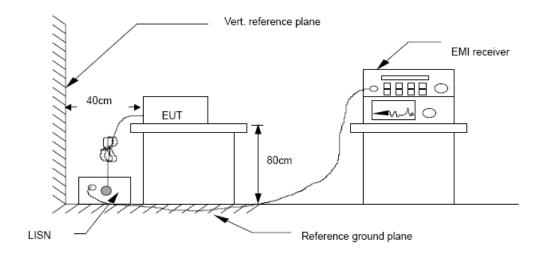
### 5.1 Conducted Emission Limits(15.209&249)

Frequency	Limits d	B(μV)		
MHz	Quasi-peak Level	Average Level		
0.15 -0.50	66 -56*	56 - 46*		
0.50 -5.00	56	46		
5.00 -30.00	60	50		

Notes: 1. \*Decreasing linearly with logarithm of frequency.

- 2. The lower limit shall apply at the transition frequencies.
- 3. The limit decreases in line with the logarithm of the frequency in the rang of 0.15 to 0.50 MHz.

### 5.2 Test Setup



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#### 5.3 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 50ohm 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 C63.4-2003 on Conducted Emission Measurement. The bandwidth of test receiver (R & S ESCS30) is set at 9 kHz.

#### 5.4 Test Results

EUT Supply by DC battery, so the test is not applicable.

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## 6 Radiation Emission

#### Radiation Emission Limits(15.209&249 (a)) 6.1

Frequency (MHz)	Limit	Field Strength s at 3 metres (watts,e.	i.r.p.)
	uV/m	dB uV/m	Measurement distance(m)
0.009-0.490	2400/F(kHz)	XX	300
0.490-1.705	24000/F(kHz)	XX	30
1.705-30	30	29.5	30
30~88	100(3nW)	40	3
88~216	150(6.8nW)	43.5	3
216~960	200(12nW)	46	3
Above960	500(75nW)	54	3
Carrier frequency		93.97(AV)	3
Carrier frequency		113.97(PK)	3

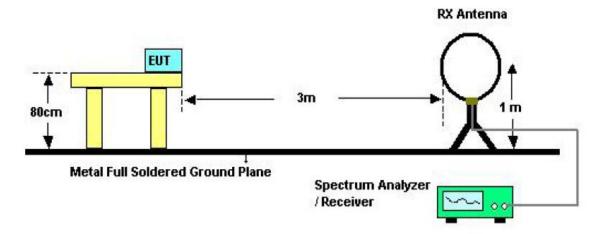
#### NOTE:

- a) The tighter limit applies at the band edges.b) Emission Level(dB uV/m)=20log Emission Level(Uv/m)

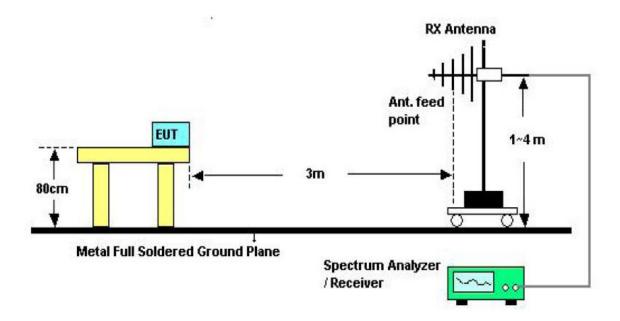
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## 6.2 Test Setup

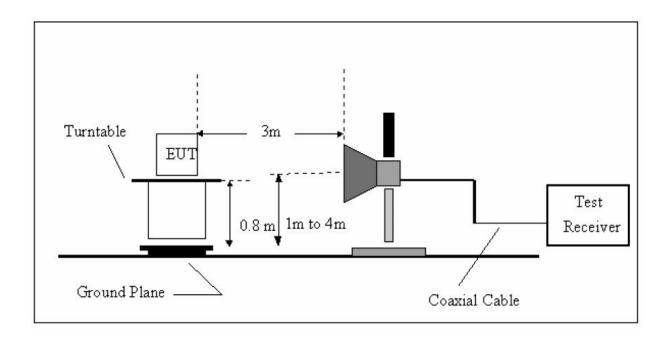
See the next page



Below 30MHz Test Setup



Above 30MHz Test Setup



Above 1GHz Test Setup

#### 6.3 Test Procedure

- a) The measureing distance of 3m shall be used for measurements at frequency up to 1GHz and above 1GHz, The EUT was placed on a rotating 0.8 m high above ground, The table was rotated 360 degrees to determine the position of the highest radiation
- b) The Test antenna shall vary between 1m and 4m,Both Horizontal and Vertical antenna are set of make measurement.
- c) The initial step in collecting conducted emission data is a spectrum analyzer Peak detector mode pre-scanning the measurement frequency range. Significent Peaks are then marked and then Qusia Peak Detector mode remeasured
- d) If Peak value comply with QP limit Below 1GHz. The EUT deemed to comply with QP limit. But the Peak value and average value both need to comply with applicable limit above 1GHz.
- e) For the actual test configuration, please see the test setup photo.

### 6.4 Test Equipment Setting For emission test.

9KHz~150KHz	RBW 200Hz	VBW1KHz
150KHz~30MHz	RBW 9KHz	VBW 30KHz
30MHZ~1GHz	RBW 120KHz	VBW 300KHz
Above 1GHz	RBW 1MHz	VBW 3MHz

#### 6.5 Test Condition

Continual Transmitting in maximum power.

### 6.6 Test Result

PASS.

We have scanned the 10th harmonic from 9KHz to the EUT. Detailed information please see the following page.

From 9KHz to 30MHz: Conclusion: PASS

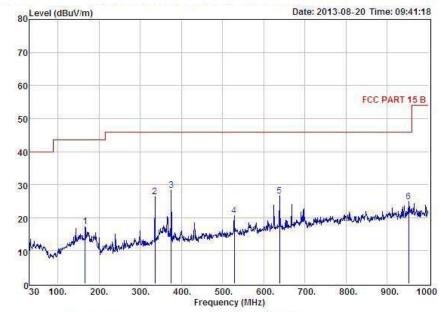
Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value hasno need to be reported.

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#### Below 1GHz test data:



Shenzhen Certification Technology Service Co., Ltd 2F, Building B, East Area of Nanchang Second Industrial Zone, Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China Tel: 4006786199 FAX: +86-755-26736857 Website http://www.cessz.com Email Service@cessz.com



Condition : FCC PART 15 B POL: HORIZONTAL 3m

EUT : Aputure TrigMaster II

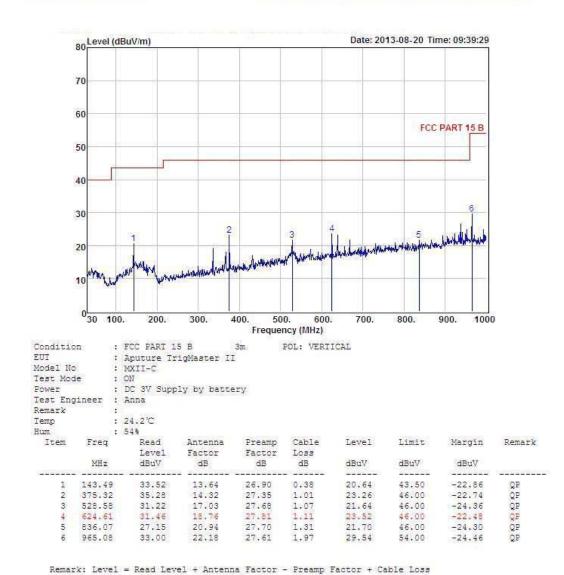
Model No : MXII-C Test Mode

: ON : DC 3V Supply by battery Power

Test Engineer ; Anna Remark : : 24.2°C Temp : 54%

Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	165.80	30.43	13.56	26.92	0.39	17.46	43.50	-26.04	QP
2	335.55	39.26	13.58	27.24	0.84	26.44	46.00	-19.56	QP
3	375.32	40.39	14.32	27.35	1.01	28.37	46.00	-17.63	QP
4	528.58	30.23	17.03	27.68	1.07	20.65	46.00	-25.35	QP
5	638,19	34.32	18.94	27.82	1.22	26.66	46.00	-19.34	QP
6	951.50	28.41	22.14	27.62	1.88	24.81	46.00	-21.19	QP





-1-

**Notes:** --Means other frequency and mode comply with standard requirements and at least have 20dB margin.

Radiated Emissions Result of Inside band (2401MHz)

Tradition Emissions result of histor outer (2 10 111112)										
EUT	Aputure TrigMaster II	Model Name	MXII-C							
Temperature	25°C	Relative Humidity	56%							
Pressure	960hPa	Test voltage	DC 3V supply by battery							
Test Mode	TX Low	Antenna polarization	Horizontal/Vertical							

	Channel Low(2401MHz)											
Fre.	Plority H/V	Reading dBuV	Antenna Factor dB	Cable Loss dB	Amplifier Gain dB	Correct Factor dB	Measure Result dBuV/m	Limit dBuV/m	Margin dB			
2401	Н	108.19 (PK)	12.5	2.06	19.42	-4.86	103.33	113.97	-10.64			
2401	Н	92.73 (AV)	12.5	2.06	19.42	-4.86	87.87	93.97	-6.10			
	Н						1	1	1			
2401	V	106.82 (PK)	12.5	2.06	19.42	-4.86	101.96	113.97	-12.01			
2401	V	91.45 (AV)	12.5	2.06	19.42	-4.86	86.59	93.97	-7.38			
	V							-	1			

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actu	al Fs	Peak	AV	Margin	
(MHz)	H/V	Reading	Reading	CF	D 1	A <b>T</b> 7	Limit	Limit	(dB)	Remark
		(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	( ,	(dBuV/m)		
1489.53	Н	50.99		-10.27	40.72		74.00	54.00	-13.28	Peak
1942.13	Н	52.25		-8.86	43.39		74.00	54.00	-10.61	Peak
2654.72	Н	48.45		-6.94	41.51		74.00	54.00	-12.49	Peak
4802.00	Н	43.69		0.64	44.33	-	74.00	54.00	-9.67	Peak
N/A										
1218.43	V	50.80		-11.52	39.28		74.00	54.00	-14.72	Peak
1821.56	V	49.73		-9.16	40.57		74.00	54.00	-13.43	Peak
2794.23	V	51.90		-6.38	45.52		74.00	54.00	-8.48	Peak
4802.00	V	42.05		0.64	42.69		74.00	54.00	-11.31	Peak
N/A										

**Notes: 1** --Means other frequency and mode comply with standard requirements and at least have 20dB margin.

Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain

Measurement Result=Reading + Correct Factor

Margin=Measurement Result-Limit

2 –Spectrum setting:

a. Peak setting 30MHz-1GHz, RBW=120KHz, VBW=300KHz.

b. AV setting 30MHz-1GHz, RBW=1MHz, VBW=10Hz.

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## Radiated Emissions Result of Inside band (2434MHz)

EUT	Aputure TrigMaster II	Model Name	MXII-C
Temperature	25°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 3V supply by battery
Test Mode	TX Mid	Antenna polarization	Horizontal/Vertical

	Channel Low(2434MHz)											
Fre.	Plority H/V	Reading dBuV	Antenna Factor dB	Cable Loss dB	Amplifier Gain dB	Correct Factor dB	Measure Result dBuV/m	Limit dBuV/m	Margin dB			
2434	Н	105.79 (PK)	12.3	2.04	19.44	-5.1	100.69	113.97	-13.28			
2434	Н	90.85 (AV)	12.3	2.04	19.44	-5.1	85.75	93.97	-8.22			
	Н											
2434	V	106.21 (PK)	12.3	2.04	19.44	-5.1	101.11	113.97	-12.86			
2434	V	89.49 (AV)	12.3	2.04	19.44	-5.1	84.39	93.97	-9.58			
	V											

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actu	Actual Fs		AV Limit	Margin (dB)	
(1422)	12,	(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)		(dBuV/m)		Remark
1231.29	Н	53.38		-11.52	41.86		74.00	54.00	-12.14	Peak
2215.05	Н	46.51		-8.13	38.38		74.00	54.00	-15.62	Peak
2932.16	Н	48.88		-5.95	42.93		74.00	54.00	-11.07	Peak
4868.00	Н	42.88		0.76	43.64		74.00	54.00	-10.36	Peak
N/A										
1305.47	V	55.37		-10.84	44.53		74.00	54.00	-9.47	Peak
2306.43	V	48.67		-7.46	41.21		74.00	54.00	-12.79	Peak
3145.07	V	46.39		-5.63	40.76		74.00	54.00	-13.24	Peak
4868.00	V	42.29		0.76	43.05		74.00	54.00	-10.95	Peak
N/A										

**Notes: 1** --Means other frequency and mode comply with standard requirements and at least have 20dB margin.

Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain

Measurement Result=Reading + Correct Factor

Margin=Measurement Result-Limit

- **2** –Spectrum setting:
  - a. Peak setting 30MHz-1GHz, RBW=120KHz, VBW=300KHz.
  - b. AV setting 30MHz-1GHz, RBW=1MHz, VBW=10Hz.

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### Radiated Emissions Result of Inside band (2467MHz)

EUT	Aputure TrigMaster II	Model Name	MXII-C
Temperature	25°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 3V supply by battery
Test Mode	TX High	Antenna polarization	Horizontal/Vertical

	Channel Low(2467MHz)											
Fre.	Plority H/V	Reading dBuV	Antenna Factor dB	Cable Loss dB	Amplifier Gain dB	Correct Factor dB	Measure Result dBuV/m	Limit dBuV/m	Margin dB			
2467	Н	105.17 (PK)	12.4	2.03	19.45	-5.02	100.15	113.97	-13.82			
2467	Н	89.02 (AV)	12.4	2.03	19.45	-5.02	84.00	93.97	-9.97			
	Н											
2467	V	106.54 (PK)	12.4	2.03	19.45	-5.02	101.52	113.97	-12.45			
2467	V	89.11 (AV)	12.4	2.03	19.45	-5.02	84.09	93.97	-9.88			
	V											

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actual Fs		Peak Limit	AV Limit	Margin (dB)	
		(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)		(dBuV/m)	` ′	Remark
1256.33	Н	53.82		-10.96	42.86		74.00	54.00	-11.14	Peak
1954.17	Н	46.89		-8.64	38.25	-	74.00	54.00	-15.75	Peak
2915.74	Н	47.89		-5.95	41.94		74.00	54.00	-12.06	Peak
4934.00	Н	42.85		0.87	43.72		74.00	54.00	-10.28	Peak
N/A										
1294.75	V	50.39		-10.96	39.43	-	74.00	54.00	-14.57	Peak
2106.41	V	49.12		-8.36	40.76		74.00	54.00	-13.24	Peak
3257.22	V	49.20		-5.39	43.81		74.00	54.00	-10.19	Peak
4934.00	V	44.05		0.87	44.92		74.00	54.00	-9.08	Peak
N/A		·								

**Notes: 1** --Means other frequency and mode comply with standard requirements and at least have 20dB margin.

Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain

Measurement Result=Reading + Correct Factor

Margin=Measurement Result-Limit

- **2** –Spectrum setting:
  - a. Peak setting 30MHz-1GHz, RBW=120KHz, VBW=300KHz.
  - b. AV setting 30MHz-1GHz, RBW=1MHz, VBW=10Hz.

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## 7 Occupied bandwidth

#### 7.1 Test limit

Please refer section 15.249

#### 7.2 Method of measurement

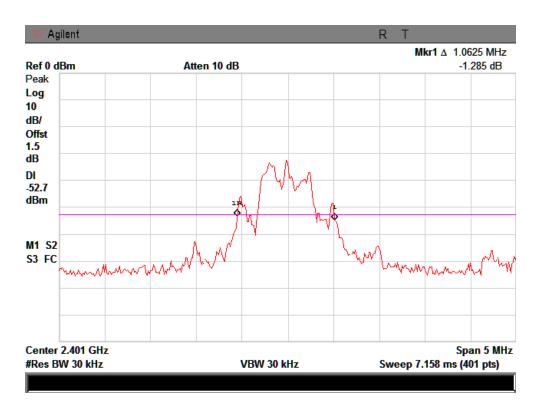
- a)The bandwidth is measured at an amplitude level reduced 20dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.
- b)The test receiver RBW set 30KHz,VBW set 30KHz,Sweep time set auto.

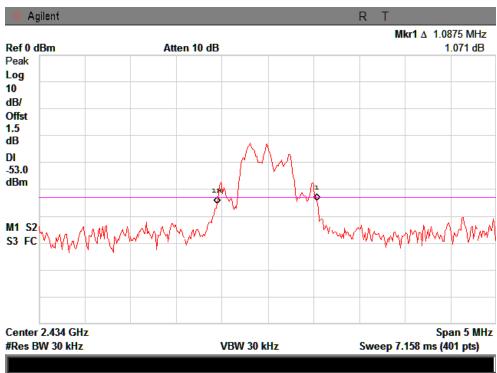
### 7.3 Test Setup

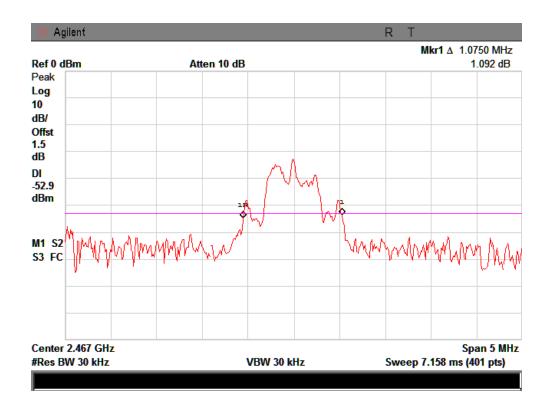


#### 7.4 Test Results

Detailed information please see the following page.







## 8 Band Edge Check

#### 8.1 Test limit

Please refer section 15.249 and section 15.205.

249(d) Emissions 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.

249(e) As show in section 15.35(b), for frequencies above 1000MHz,the above field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, 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. For point-to-point operation under paragraph (b) of this section, the peak filed strength shall not exceed 2500 millivolts/meter at 3meters along the antenna azimuth.

#### 8.2 Test Procedure

- 8.2.1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 8.2.2. Set spectrum analyzer please see the following test plot.
- 8.2.3. Set the spectrum analyzer as RBW, VBW=1000 KHz,
- 8.2.4. Max hold, view and count how many channel in the band.

#### 8.3 Test Setup

Please see the section 6.2, Above 1GHz Test Setup.

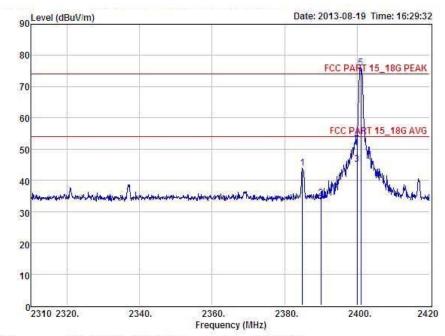
#### 8.4 Test Result

Pass.

Detailed information please see the following page.

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: FCC PART 15\_18G PEAK 3m : Aputure TrigMaster II : MXII-C : TX 2401MHz : DC 3V Supply by battery POL: HORIZONTAL Condition

EUT Model No

Test Mode

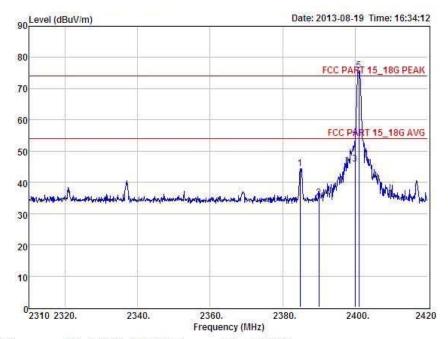
Power

Test Engineer : Anna Remark Temp

Hum

Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2384.91	47.43	27.65	34.97	3.92	44.03	74.00	-29.97	Peak
2	2390.00	37.69	27.62	34.97	3.92	34.26	74.00	-39.74	Peak
3	2400.00	48.64	27.62	34.97	3.94	45.23	54.00	-8.77	Average
4	2400.00	56.23	27.62	34.97	3.94	52.82	74.00	-21.18	Peak
5	2401.00	79.45	27.62	34.97	3.94	76.04	74,00	2.04	Peak





: FCC PART 15\_18G PEAK 3m : Aputure TrigMaster II : MXII-C : TX 2401MHz : DC 3V Supply by battery Condition POL: VERTICAL

EUT Model No

Test Mode

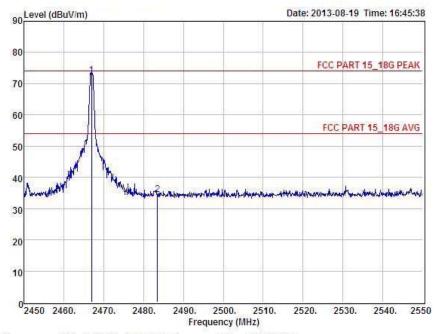
Power

Test Engineer : Anna Remark Temp

Hum

Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
	2384.80	47.83	27.65	34.97	3.92	44.43	74.00	-29.57	Peak
2	2390.00	38.33	27.62	34.97	3.92	34.90	74.00	-39.10	Peak
3	2400.00	49.32	27.62	34.97	3.94	45.91	54.00	-8.09	Average
4	2400.00	58.01	27.62	34.97	3.94	54.60	74.00	-19.40	Peak
5	2401.00	79.11	27.62	34.97	3.94	75.70	74.00	1.70	Peak





: FCC PARI 15\_18G PEAK 3m : Aputure TrigMaster II : MXII-C : TX 2467MHz : DC 3V Supply by battery Condition POL: HORIZONTAL

EUT Model No

Test Mode

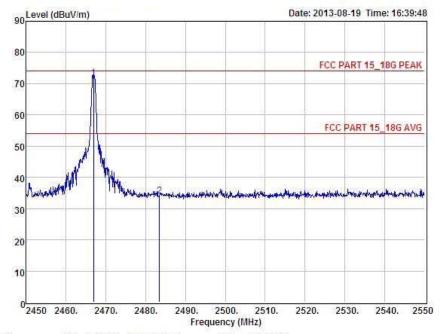
Power

Test Engineer : Anna Remark

Temp Hum

an court									
Item	Freq	Read	Antenna	Preamp	Cable	Level	Limit	Margin	Remark
		Level	Factor	Factor	Loss				
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2467.00	75.89	27,59	34.97	4.00	72.51	74.00	-1.49	Peak
2	2483.50	37.94	27.59	34.97	4.00	34.56	74.00	-39.44	Peak





: FCC PARI 15\_18G PEAK 3m : Aputure TrigMaster II : MXII-C : TX 2467MHz : DC 3V Supply by battery Condition POL: VERTICAL

EUT

Model No Test Mode

Power

Test Engineer : Anna Remark

Temp Hum

It	em	Freq	Read	Antenna	Preamp	Cable	Level	Limit	Margin	Remark
			Level	Factor	Factor	Loss				
		MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
	1	2467.00	75.16	27.59	34.97	4.00	71.78	74.00	-2.22	Peak
	2	2483.50	37.29	27.59	34.97	4.00	33.91	74.00	-40.09	Peak

## 9 Antenna Requirement

#### 9.1 Standard Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 9.2 Antenna Connected Construction

The directional gains of antenna used for transmitting is 0 dBi, and the antenna connector is de-signed with permanent attachment and no consideration of replacement. Please see EUT photo for details.

#### 9.3 Result

The EUT antenna is PCB Antenna. It comply with the standard requirement.

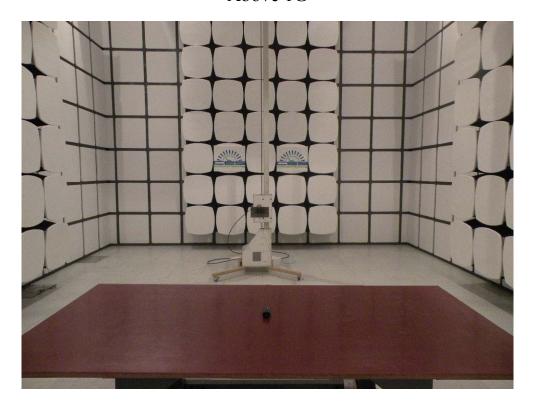
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# 10 Photographs of Test Setup

# Photographs-Radiated Emission Test Setup in Chamber Below 1G



Above 1G



# 11 Photographs of EUT





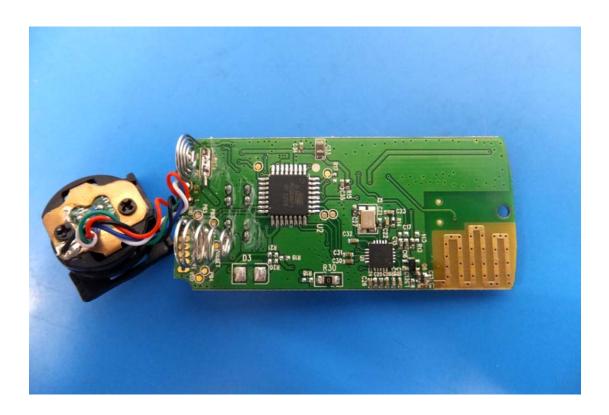
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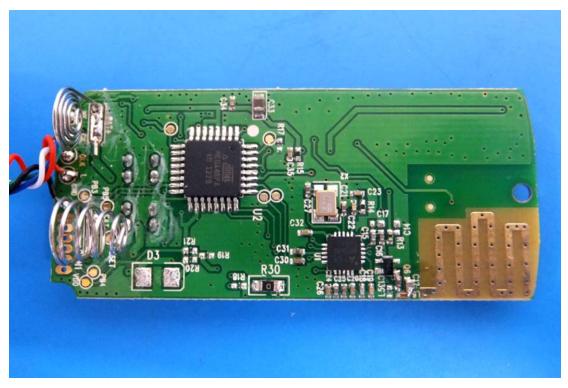


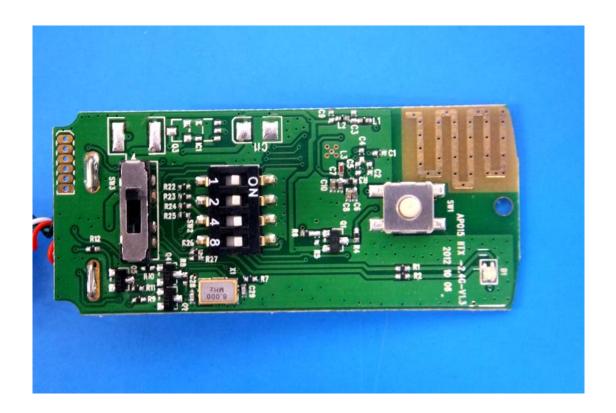


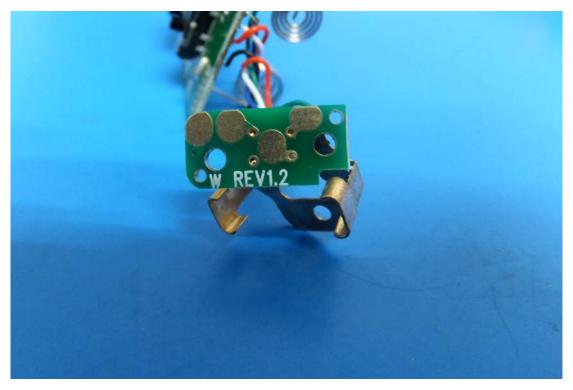


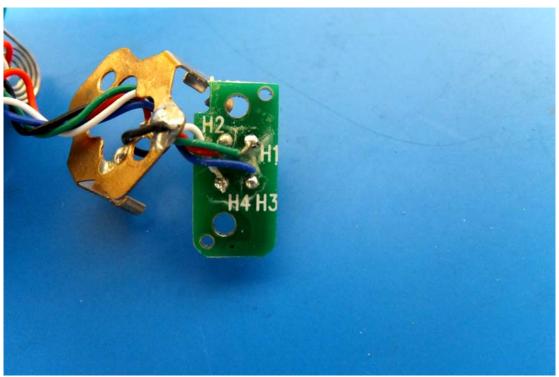












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