

## Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC149732

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# **FCC Radio Test Report** FCC ID: 2AJRWSCM-V3

## **Original Grant**

Report No. TB-FCC149732

**Applicant** Liontronic(Shenzhen)Electronics Co.,Ltd

**Equipment Under Test (EUT)** 

**EUT Name HOOT Camera** 

Model No. **HOOT SCM-V3** 

Series No. N/A

**Brand Name** LIONTRONIC

**Receipt Date** 2016-09-02

**Test Date** 2016-09-03 to 2016-09-12

**Issue Date** 2016-09-13

**Standards** FCC Part 15, Subpart C (15.247:2015)

**Test Method** ANSI C63.10: 2013

**Conclusions PASS** 

In the configuration tested, the EUT complied with the standards specified above,

The EUT technically complies with the FCC and IC requirements

**Test/Witness Engineer** 

Approved&

**Authorized** 

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0

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## 1. General Information about EUT

### 1.1 Client Information

Applicant : Liontronic(Shenzhen)Electronics Co.,Ltd

Address : 5F, Block B, Baoyunda Industrial Area, Xixiang Town, Baoan District,

Shenzhen, China

Manufacturer : Liontronic(Shenzhen)Electronics Co.,Ltd

Address : 5F, Block B, Baoyunda Industrial Area, Xixiang Town, Baoan District,

Shenzhen, China

## 1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	HOOT Camera	HOOT Camera			
Models No.	:	HOOT SCM-V3				
Model Difference	1	N/A				
		Operation Frequency: 802.11b/g/n(HT20): 2412MHz~2462MHz				
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3)			
Dundaria II	1	RF Output Power:	802.11b: 9.23 dBm 802.11g: 8.97 dBm 802.11n (HT20): 8.94 dBm			
Product Description		Antenna Gain:	4 dBi PCB Antenna			
TO THE		000	Modulation Type:	802.11b: DSSS(CCK, QPSK, BPSK) 802.11g: OFDM 802.11n: OFDM		
			Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps		
Power Supply		DC Voltage supplied from USB cable.  DC power by Li-ion Battery.				
Power Rating		DC 5.0V by USB cable. DC 3.7V by 1200mAh Li-ion Battery.				
Connecting I/O Port(S)		Please refer to the User's Manual				

#### Note:

- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v03r05.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



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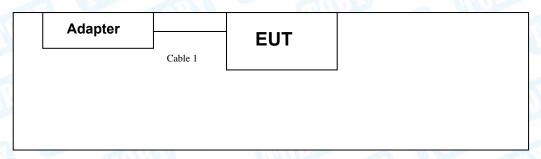
## (3) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

(4) The Antenna information about the equipment is provided by the applicant.

## 1.3 Block Diagram Showing the Configuration of System Tested

## **USB Charging Mode**



### **TX Mode**



## 1.4 Description of Support Units

Equipment Information						
Name	Model	FCC ID/DOC	Manufacturer	Used "√"		
AC/DC Adapter	TEKA012		TEKA	√		
	Cable Information					
Number Shielded Type Ferrite Core Length Note						
Cable 1	NO	NO	1.0M	Accessorise		



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## 1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Test					
Final Test Mode Description					
Mode 1	USB Charging with TX B Mode				

E-11111100 161						
For Radiated Test						
Final Test Mode Description						
Mode 2	TX Mode B Mode Channel 01/06/11					
Mode 3	TX Mode G Mode Channel 01/06/11					
Mode 4 TX Mode N(HT20) Mode Channel 01/06/11						

### Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

802.11b Mode: CCK (1 Mbps) 802.11g Mode: OFDM (6 Mbps)

802.11n (HT20) Mode: MCS 0 (6.5 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a mobile unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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## 1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN.

Test Software Version		N/A	
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	DEF	DEF	DEF
IEEE 802.11g OFDM	DEF	DEF	DEF
IEEE 802.11n (HT20)	DEF	DEF	DEF

## 1.7 Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U <sub>Lab</sub> )
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Padiated Emission	Level Accuracy:	±4.60 dB
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy:	±4.40 dB
Radiated Effission	30MHz to 1000 MHz	±4.40 dB
Radiated Emission	Level Accuracy:	±4.20 dB
Naulateu Ellission	Above 1000MHz	±4.20 UD



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## 1.7 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

### CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

### FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

### IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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# 2. Test Summary

	FCC Part	: 15 Subpart C(15.247)/ RSS 247	Issue 1	
Standa	rd Section		1	Remark
FCC	IC	Test Item	Judgment	
15.203	1	Antenna Requirement	PASS	N/A
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A
15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A

Note: "/" for no requirement for this test item.

N/A is an abbreviation for Not Applicable.



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# 3. Test Equipment

Conducted	d Emission Te	st			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 22, 2016	Jul. 21, 2017
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 22, 2016	Jul. 21, 2017
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 22, 2016	Jul. 21, 2017
LISN	Rohde & Schwarz	ENV216	101131	Jul. 22, 2016	Jul. 21, 2017
Radiation	Emission Tes	t			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar. 20, 2016	Mar. 19, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar. 20, 2016	Mar. 19, 2017
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 19, 2016	Mar. 18, 2017
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar. 19, 2016	Mar. 18, 2017
Pre-amplifier	Sonoma	310N	185903	Mar. 20, 2016	Mar. 19, 201
Pre-amplifier	HP	8449B	3008A00849	Mar. 26, 2016	Mar. 25, 2017
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 26, 2016	Mar. 25, 2017
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	onducted Em	ission			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Power Meter	Anritsu	ML2495A	25406005	Jul. 22, 2016	Jul. 21, 2017
Power Sensor	Anritsu	ML2411B	25406005	Jul. 22, 2016	Jul. 21, 2017



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## 4. Conducted Emission Test

### 4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

#### 4.1.2 Test Limit

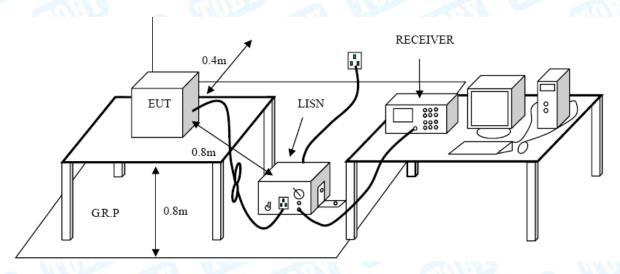
### **Conducted Emission Test Limit**

THE PLANT OF THE PARTY OF THE P	Maximum RF Lin	e Voltage (dBμV)
Frequency	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

#### Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

## 4.2 Test Setup



### 4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



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I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

## 4.4 EUT Operating Mode

Please refer to the description of test mode.

### 4.5 Test Data

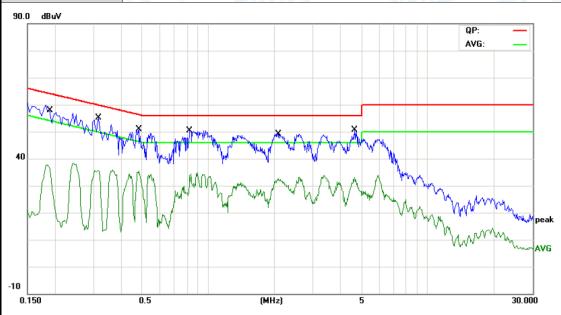
Please see the next page.





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EUT:		HOOT Camera	Model Name :	HOOT SCM-V3
Tempera	ture:	25 ℃	Relative Humidity:	55%
Test Volt	age:	AC 120V/60Hz		
Terminal	:	Line		
Test Mod	le:	TX B Mode	THE PARTY OF	
Remark:		Only worse case is reported	ed	



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector
1		0.1900	39.77	10.00	49.77	64.03	-14.26	QP
2		0.1900	26.17	10.00	36.17	54.03	-17.86	AVG
3		0.3180	36.91	10.02	46.93	59.76	-12.83	QP
4		0.3180	24.76	10.02	34.78	49.76	-14.98	AVG
5	*	0.4820	36.21	10.02	46.23	56.30	-10.07	QP
6		0.4820	24.30	10.02	34.32	46.30	-11.98	AVG
7		0.8220	33.36	10.10	43.46	56.00	-12.54	QP
8		0.8220	17.57	10.10	27.67	46.00	-18.33	AVG
9		2.0820	33.81	10.06	43.87	56.00	-12.13	QP
10		2.0820	20.36	10.06	30.42	46.00	-15.58	AVG
11		4.6420	33.10	9.97	43.07	56.00	-12.93	QP
12		4.6420	21.78	9.97	31.75	46.00	-14.25	AVG

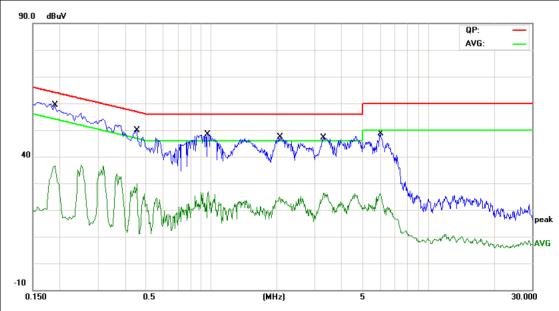
<sup>\*:</sup>Maximum data x:Over limit !:over margin





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EUT:	HOOT Camera	Model Name :	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Terminal:	Neutral		
Test Mode:	TX B Mode	CHULL STORY	The state of the s
Remark:	Only worse case is reported	d (	0



No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
140.	iviix.	•						
		MHz	dBu∨	dB	dBu∀	dBu∀	dB	Detector
1		0.1900	39.51	10.12	49.63	64.03	-14.40	QP
2		0.1900	23.87	10.12	33.99	54.03	-20.04	AVG
3	*	0.4540	35.78	10.04	45.82	56.80	-10.98	QP
4		0.4540	15.73	10.04	25.77	46.80	-21.03	AVG
5		0.9620	33.05	10.14	43.19	56.00	-12.81	QP
6		0.9620	12.40	10.14	22.54	46.00	-23.46	AVG
7		2.0700	30.83	10.06	40.89	56.00	-15.11	QP
8		2.0700	11.99	10.06	22.05	46.00	-23.95	AVG
9		3.2860	30.37	10.06	40.43	56.00	-15.57	QP
10		3.2860	12.54	10.06	22.60	46.00	-23.40	AVG
11		6.0100	28.56	10.06	38.62	60.00	-21.38	QP
12		6.0100	10.06	10.06	20.12	50.00	-29.88	AVG

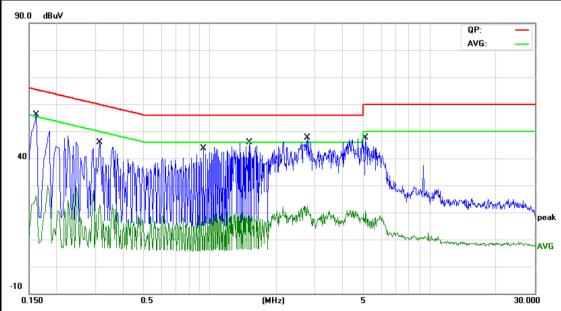
<sup>\*:</sup>Maximum data x:Over limit !:over margin





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EUT:	HOOT Camera	Model Name :	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60Hz		
Terminal:	Line		
Test Mode:	TX B Mode		
Remark:	Only worse case is reporte	ed	(A)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV	dBu∀	dB	Detector
1	*	0.1620	33.62	10.12	43.74	65.36	-21.62	QP
2		0.1620	0.38	10.12	10.50	55.36	-44.86	AVG
3		0.3140	25.54	10.08	35.62	59.86	-24.24	QP
4		0.3140	1.10	10.08	11.18	49.86	-38.68	AVG
5		0.9300	19.79	10.13	29.92	56.00	-26.08	QP
6		0.9300	-1.25	10.13	8.88	46.00	-37.12	AVG
7		1.5100	19.11	10.11	29.22	56.00	-26.78	QP
8		1.5100	-1.30	10.11	8.81	46.00	-37.19	AVG
9		2.7700	23.05	10.06	33.11	56.00	-22.89	QP
10		2.7700	0.30	10.06	10.36	46.00	-35.64	AVG
11		5.0900	19.50	10.06	29.56	60.00	-30.44	QP
12		5.0900	-1.49	10.06	8.57	50.00	-41.43	AVG

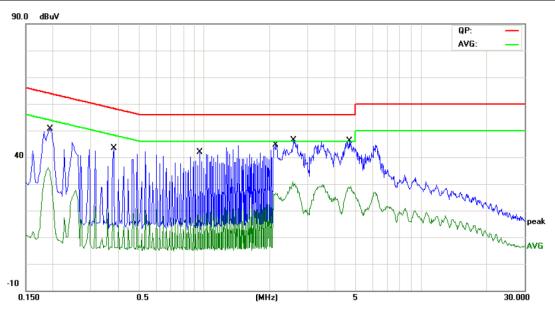
<sup>\*:</sup>Maximum data x:Over limit !:over margin





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E	UT:	HOOT Camera	Model Name :	HOOT SCM-V3
T	emperature:	25 ℃	Relative Humidity:	55%
T	est Voltage:	AC 240V/60Hz		
T	erminal:	Neutral		
T	est Mode:	TX B Mode	GUUDE	a live
F	Remark:	Only worse case is reported		D ~ 0



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector
1		0.1940	36.07	10.01	46.08	63.86	-17.78	QP
2		0.1940	21.96	10.01	31.97	53.86	-21.89	AVG
3	*	0.3820	31.43	10.02	41.45	58.23	-16.78	QP
4		0.3820	19.92	10.02	29.94	48.23	-18.29	AVG
5		0.9540	25.35	10.07	35.42	56.00	-20.58	QP
6		0.9540	9.98	10.07	20.05	46.00	-25.95	AVG
7		2.1420	27.53	10.06	37.59	56.00	-18.41	QP
8		2.1420	14.01	10.06	24.07	46.00	-21.93	AVG
9		2.5860	29.13	10.04	39.17	56.00	-16.83	QP
10		2.5860	18.75	10.04	28.79	46.00	-17.21	AVG
11		4.6620	26.77	9.97	36.74	56.00	-19.26	QP
12		4.6620	16.91	9.97	26.88	46.00	-19.12	AVG

\*:Maximum data x:Over limit !:over margin



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## 5. Radiated Emission Test

## 5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209

5.1.2 Test Limit

### Radiated Emission Limits (9kHz~1000MHz)

Frequency (MHz	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

### Radiated Emission Limit (Above 1000MHz)

Frequency	Class A (dBu	V/m)(at 3 M)	Class B (dBuV/m)(at 3 M)		
(MHz)	Peak	Average	Peak	Average	
Above 1000	80	60	74	54	

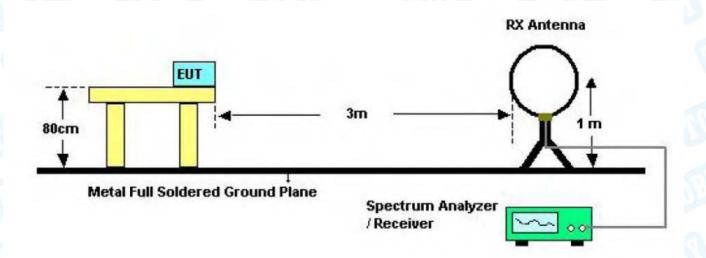
### Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

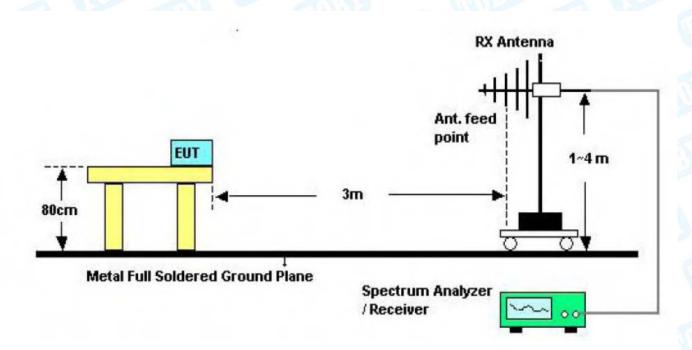


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## 5.2 Test Setup



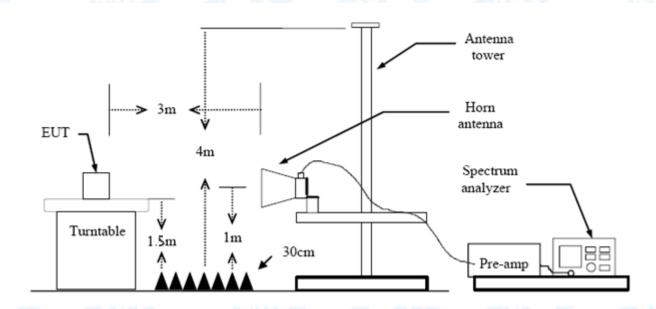
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

#### 5.3 Test Procedure

- (1) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (2) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (3) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (4) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (6) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (7) For the actual test configuration, please see the test setup photo.

## 5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.



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### 5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



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midity:	EE0/	CM-V3
177	55%	
	USE	
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	a W	A STATE OF THE PARTY OF THE PAR
(III)		
(RF)FCC	C 15C 3M Radiation Margin -6 o	1B
400	500 600 700	1000.000
Limit	Over	
dBuV/r	m dB	Detecto
43.50	-5.78	peal
46.00	-8.77	peal
46.00	0 -5.31	peal
46.00		peak
		peal
		peal
	43.50 46.00 46.00 46.00	43.50 -5.78 46.00 -8.77





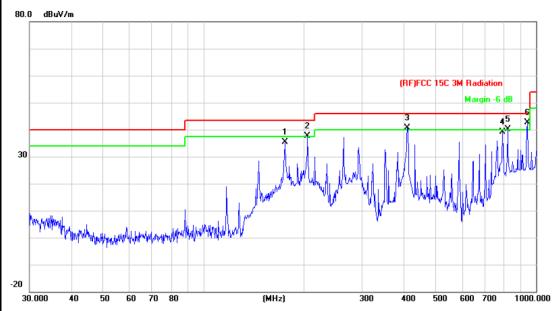
Page: 22 of 80

			11001	Camera		Model:		HOOT S	OIVI VO
Temperature:		25 ℃	THE S		Relative Hur	nidity:	55%	سنون	
Test	Voltag	ge:	DC 3.7	7V		13	TIME I	1733	
Ant.	Pol.		Vertica	al	Alto		10		
Гest	est Mode: TX B Mode 2412MHz								
Rem	ark:		Only v	vorse case is	s reported		ATT!	19	_
80.0	dBuV/m								
30							(RF)FCC 1	5C 3M Radiation Margin -6	
W	hardohardaylk	washing you	mortune	Last frage Complete Commence of the	March Mar	Altro Mar (M)	WMW THE	2 - 10 ( Ju.	
-20 30.0	000 40	0 50	60 70	Reading	(MHz)  Correct Factor	300 Measure- ment	400 50	00 600 700 Over	1000.00
-20 30.0		o 50	60 70		Correct Factor				
-20 30.0	000 40	0 50 K. F	req. IHz	Reading Level	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detecto
-20 30.0 No	000 40	0 50 X. F M	req. IHz 2684	Reading Level dBuV 54.67	Correct Factor dB/m -20.50	Measure- ment dBuV/m 34.17	Limit dBuV/m 43.50	Over dB -9.33	Detecto
-20 30.0	000 40	0 50 50 176. 205.	req. 1Hz 2684 6750	Reading Level dBuV 54.67 56.27	Correct Factor dB/m -20.50 -19.74	Measure- ment dBuV/m 34.17 36.53	Limit  dBuV/m  43.50  43.50	Over  dB  -9.33  -6.97	Detecto peak
No. 0	000 40	0 50 X. F N 176. 205.	req. 1Hz 2684 6750 8240	Reading Level dBuV 54.67 56.27 49.07	Correct Factor dB/m -20.50 -19.74 -12.39	Measure- ment dBuV/m 34.17 36.53 36.68	Limit  dBuV/m  43.50  43.50  46.00	Over  dB  -9.33  -6.97  -9.32	Detector peak peak peak
No. 1 2 3 4	000 40 O. Mk	0 50 X. F N 176. 205. 411.	req. 1Hz 2684 6750 8240 2259	Reading Level dBuV 54.67 56.27 49.07 41.79	Correct Factor dB/m -20.50 -19.74 -12.39 -5.92	Measure- ment dBuV/m 34.17 36.53 36.68 35.87	Limit  dBuV/m  43.50  43.50  46.00  46.00	Over  dB  -9.33  -6.97  -9.32  -10.13	Detector peak peak peak
No. 0	000 40	0 50 176. 205. 411. 704. 793.	req. 1Hz 2684 6750 8240	Reading Level dBuV 54.67 56.27 49.07	Correct Factor dB/m -20.50 -19.74 -12.39	Measure- ment dBuV/m 34.17 36.53 36.68	Limit  dBuV/m  43.50  43.50  46.00	Over  dB  -9.33  -6.97  -9.32	Detector peak



Page: 23 of 80

EUT:	HOOT Camera	Model:	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		المراا
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2437MHz	THE PARTY OF THE P	a William
Remark:	Only worse case is reported	the state of the s	
90.0 dB <sub>1</sub> M/m			



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		176.2684	55.81	-20.50	35.31	43.50	-8.19	peak
2	İ	205.6750	57.46	-19.74	37.72	43.50	-5.78	peak
3	İ	410.3824	53.07	-12.38	40.69	46.00	-5.31	peak
4		793.3958	44.42	-5.37	39.05	46.00	-6.95	peak
5	į	821.7103	45.08	-5.05	40.03	46.00	-5.97	peak
6	*	942.1304	45.97	-3.27	42.70	46.00	-3.30	peak

<sup>\*:</sup>Maximum data x:Over limit !:over margin



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$\mathbf{m} \mathbf{o} \mathbf{n} \mathbf{t}$	7
	-

EUT:		HOO	Camera	Camera Model:		HOOT SCM-V3			
emperat	ure:	25 ℃	THE	1959	Relative Hu	ımidity:	55%		
est Volta	st Voltage: DC 3.7V		Till		Tim	178			
nt. Pol.	Pol. Vertical			1 60					
est Mod	e:	TX B	Mode 243	7MHz	THE PARTY OF THE P			L. Barrier	
Remark:		Only v	Only worse case is reported						
80.0 dBuV/	m								
						(RF)FCC 15C	3M Radiation		
							Margin -6 dE	<u>s</u>	
-					2 X	3 Y	* * *	×	
30				* .			-1-111111		
								AMMI	
				1 / 1 / 1	W 1 (1)	- 1	JAPA-JUJUJ I	וווייישיש	
		يا ال		L. Museum	L Nakah alim 1	iIV. MilwiliJaaaa	1 1		
mannappe	downed Museul	Mydani	Land Jan Vary	Lapary Mayor	- Yhollodhall	Mary Mary Mary Mary	ille		
no constitution of the	donnery March	Mylana	Land Marriage And	Cupur / Hayer	"Mark and Mark	Mary Mary Maria	P		
mader some deligen	demonst 1st result	My Manus	and many many	(mpuny/Marker	Madhadhadh	Mary Mary Mary	Pr 11		
20	downey placed to	My Mar	hand many many	Copun Mayor	Mark and Mark	My Medithrom	ile.		
	40 50	60 70	80	(MHz)	300	400 500	600 700	1000.000	
	40 50	60 70	80 Reading		300 Measure-			1000.000	
		60 70 eq.				400 500 Limit	600 700 Over	1000.000	
30.000		eq.	Reading	Correct	Measure-				
30.000	lk. Fr	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detecto	
30.000 No. M	lk. Fr	eq. Hz	Reading Level	Correct Factor	Measure- ment	Limit dBuV/m	Over	Detector peal	
30.000 No. M	lk. Fr Mi 175.0	eq. Hz 0363	Reading Level dBuV 49.97	Correct Factor dB/m -20.59	Measure- ment dBuV/m 29.38	Limit dBuV/m 43.50	Over  dB -14.12	Detector peal	
No. M	lk. From Miles 175.0	eq. Hz 0363 0750 03240	Reading Level dBuV 49.97 57.27	Correct Factor dB/m -20.59 -19.74	Measure- ment dBuV/m 29.38 37.53	Limit  dBuV/m  43.50  43.50	Over  dB  -14.12  -5.97	Detector peal peal peal	
No. M	175.0 205.6 411.8	eq	Reading Level dBuV 49.97 57.27 50.58	Correct Factor dB/m -20.59 -19.74 -12.40	Measure- ment dBuV/m 29.38 37.53 38.18	Limit  dBuV/m  43.50  43.50  46.00	Over  dB  -14.12  -5.97  -7.82	Detector peal peal peal peal	
No. M  1 2 ! 3	175.0 205.6 411.8	eqdz -0363 -6750 -8240 -2259 -8958	Reading Level dBuV 49.97 57.27 50.58 42.29	dB/m -20.59 -19.74 -12.40 -5.92	Measure- ment  dBuV/m  29.38  37.53  38.18  36.37	Limit  dBuV/m  43.50  43.50  46.00  46.00	Over  dB  -14.12  -5.97  -7.82  -9.63	peal peal	



Page: 25 of 80



		Camera		Model:		HOOT S	CM-V3
emperature:	25 ℃	Carl's	1	Relative Hum	idity:	55%	6
est Voltage:	DC 3.7	V	THE STATE OF THE S	11	TITO	F.F.	_
nt. Pol.	Horizoi	ntal	Alto		100		
est Mode:	TXBM	1ode 2462N	1Hz	W. Carlot		a W	
Remark:	Only w	orse case is	s reported		mill'		-
80.0 dBuV/m				1 <u>2</u>	(RF)FCC 15	5C 3M Radiation Margin -6	
how for different by Assembly	tepaneoùthermen.co	www.hatalanda					
my without the state of the sta	Wpakes 4 10 10 10 10 10 10 10 10 10 10 10 10 10		(MHz)	300	400 50	0 600 700	1000.00
20 30.000 40 !			'WY V T	300 Measure- ment	400 50 Limit	00 600 700 Over	1000.00
20 30.000 40 !	50 60 70	Reading	(MHz)  Correct	Measure-			
20 30.000 40 !	50 60 70 Freq.	Reading Level	(MHz) Correct Factor	Measure- ment	Limit	Over	Detecto
No. Mk.	50 60 70 Freq.	Reading Level	(MHz)  Correct Factor  dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over	Detecto
No. Mk.  1 20 2 26	Freq. MHz 5.6750	Reading Level dBuV 55.96	Correct Factor dB/m -19.74	Measure- ment dBuV/m 36.22	Limit dBuV/m 43.50	Over dB -7.28	Detector peak peak peak
No. Mk.  1 20 2 26 3 41	Freq. MHz 5.6750 3.8190	Reading Level dBuV 55.96 53.63	Correct Factor dB/m -19.74 -17.40	Measure- ment dBuV/m 36.22 36.23	Limit dBuV/m 43.50 46.00	Over  dB  -7.28  -9.77	Detector peak peak
No. Mk.  1 20 2 26 3 41 4 58	Freq.  MHz  5.6750  3.8190  0.3824	Reading Level dBuV 55.96 53.63 51.07	Correct Factor dB/m -19.74 -17.40 -12.38	Measure- ment dBuV/m 36.22 36.23 38.69	Limit dBuV/m 43.50 46.00	Over  dB  -7.28  -9.77  -7.31	Detector peak peak peak



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EU.	T:	HOO	T Camera	M	odel:	H	OOT SCI	N-V3		
Ten	nperature:	25 ℃	Time of	Re	elative Humid	dity: 55	5%			
Tes	t Voltage:	DC 3.	.7V							
Ant	t. Pol.	Vertic	al	J. Hilling						
Tes	t Mode:	TX B	Mode 2462N	ИHz	William .					
Rer	mark:	Only	worse case is	s reported		CITI'S				
80.	0 dBuV/m									
30	Marchardon Marchard Company	on many half	pulled again to have been been and	A where the same of the same o		(RF)FCC 15C	3M Radiation Margin -6 6	S S X		
-20	0.000 40	50 60	70 80	(MHz)	300	400 500	600 700	1000.000		
	No. Mk.	Freq.	Reading Level		Measure- ment	Limit  dBuV/m	Over	Detector		
1	1	76.2684	53.17	-20.50	32.67	43.50	-10.83	peak		
2	2	05.6750	54.27	-19.74	34.53	43.50	-8.97	peak		
3	* 4	11.8240	49.58	-12.40	37.18	46.00	-8.82	peak		
4	79	93.3958	3 42.39	-5.37	37.02	46.00	-8.98	peak		
5	8:	21.7103	3 40.44	-5.05	35.39	46.00	-10.61	peak		
6	9:	38.8324	39.37	-3.27	36.10	46.00	-9.90	peak		

<sup>\*:</sup>Maximum data x:Over limit !:over margin



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EUT:	HOOT Camera	Model:	HOOT SCM-V3				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2412MHz						
Remark:	No report for the emission wh limit.	ich more than 10 dB be	low the prescribed				



No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.311	36.78	13.56	50.34	54.00	-3.66	AVG
2		4824.652	45.11	13.56	58.67	74.00	-15.33	peak



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EUT:	HOOT Camera	Model:	HOOT SCM-V3			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2412MHz					
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					



No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.674	44.59	13.56	58.15	74.00	-15.85	peak
2	*	4824.034	35.65	13.56	49.21	54.00	-4.79	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2437MHz		a William				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

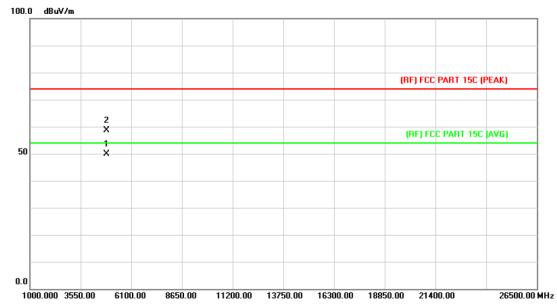


No.	Mk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.314	45.38	13.86	59.24	74.00	-14.76	peak
2	*	4874.351	36.48	13.86	50.34	54.00	-3.66	AVG



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HOOT Camera	Model:	LICOT COM VO				
	woder.	HOOT SCM-V3				
25 ℃	Relative Humidity:	55%				
DC 3.7V						
Vertical						
TX B Mode 2437MHz		A MILL				
No report for the emission which more than 10 dB below the						
prescribed limit.	10 M					
	DC 3.7V  Vertical  TX B Mode 2437MHz  No report for the emission where the second seco	DC 3.7V  Vertical  TX B Mode 2437MHz  No report for the emission which more than 10 dB b				

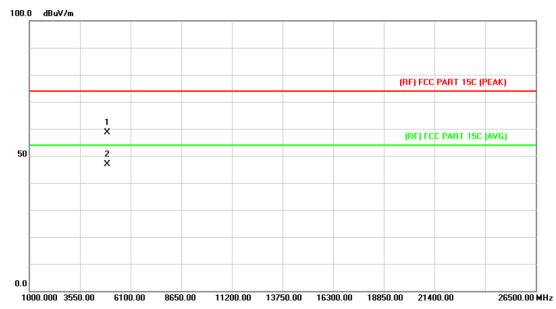


1	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4873.025	36.01	13.86	49.87	54.00	-4.13	AVG
2			4874.210	44.78	13.86	58.64	74.00	-15.36	peak



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EUT:	HOOT Camera	Model:	HOOT SCM-V3					
Temperature:	<b>25</b> ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V							
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX B Mode 2462MHz		a William					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							
i								

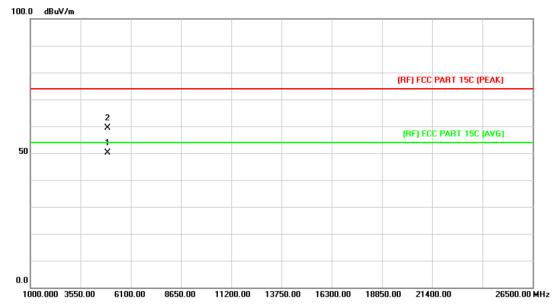


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.974	44.54	14.15	58.69	74.00	-15.31	peak
2	*	4924.310	32.72	14.15	46.87	54.00	-7.13	AVG



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EUT:	HOOT Camera	HOOT SCM-V3						
Temperature:	25 °C Relative Humidity: 55%							
Test Voltage:	DC 3.7V							
Ant. Pol.	Vertical	Vertical						
Test Mode:	TX B Mode 2462MHz		a Villa					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							
4								

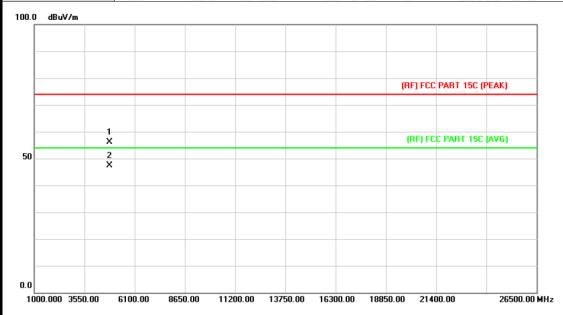


No	o. I	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	r	4923.687	35.86	14.15	50.01	54.00	-3.99	AVG
2			4924.064	45.22	14.15	59.37	74.00	-14.63	peak



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OOT Camera						
OOT Camora	Model:	HOOT SCM-V3				
5 °C	Relative Humidity:	55%				
DC 3.7V						
orizontal		C. C.				
X G Mode 2412MHz		3 1				
No report for the emission which more than 10 dB below the prescribed limit.						
(	C 3.7V  orizontal  C G Mode 2412MHz  o report for the emission whi	C 3.7V  orizontal  C G Mode 2412MHz  oreport for the emission which more than 10 dB be				

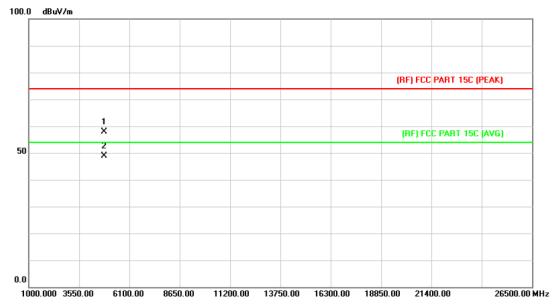


N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.974	42.61	13.56	56.17	74.00	-17.83	peak
2	*	4824.067	33.82	13.56	47.38	54.00	-6.62	AVG



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EUT:		HOOT Camera	Model:	HOOT SCM-V3					
Tempe	rature:	25 ℃	Relative Humidity:	55%					
Test V	oltage:	DC 3.7V							
Ant. P	ol.	Vertical							
Test M	ode:	TX G Mode 2412MHz	GILLIA	a live					
Remar	·k:	No report for the emission which more than 10 dB below the prescribed limit.							

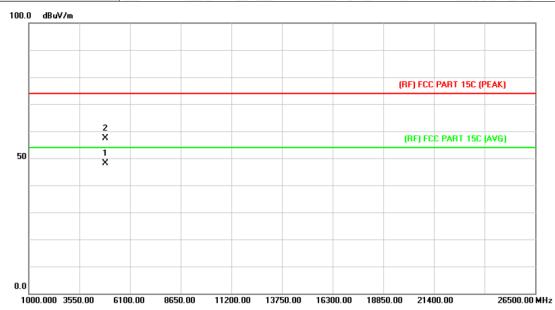


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.287	44.33	13.56	57.89	74.00	-16.11	peak
2	*	4824.317	35.20	13.56	48.76	54.00	-5.24	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3					
Temperature:	25 ℃ Relative Humidity: 55%							
Test Voltage:	DC 3.7V							
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX G Mode 2437MHz	CHILD IN	a live					
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							

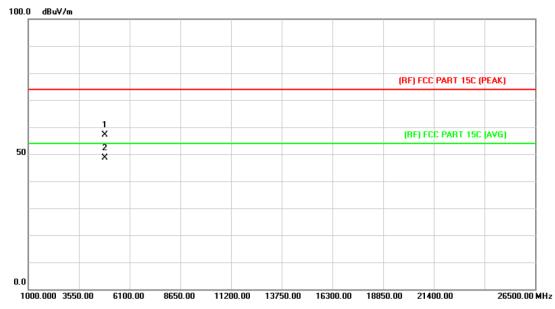


No. Mk.		. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.349	34.32	13.86	48.18	54.00	-5.82	AVG
2		4874.366	43.49	13.86	57.35	74.00	-16.65	peak



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EUT:	HOOT Camera	mera Model:				
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Ant. Pol.	. Pol. Vertical					
Test Mode:	TX G Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					
i						

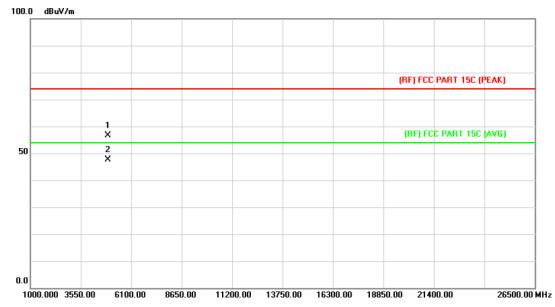


No. Mk.		. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.598	43.38	13.86	57.24	74.00	-16.76	peak
2	*	4874.641	34.81	13.86	48.67	54.00	-5.33	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Horizontal		CONTRACT OF THE PARTY OF THE PA					
Test Mode:	TX G Mode 2462MHz	CHILD IN	a William					
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							

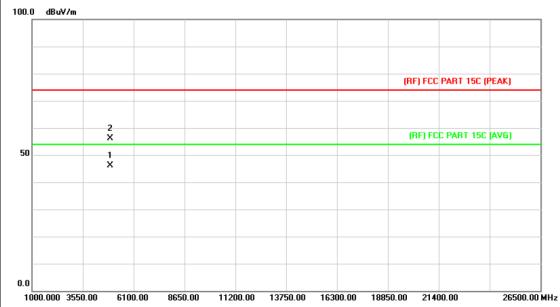


No. Mk.		. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.641	42.39	14.15	56.54	74.00	-17.46	peak
2	*	4924.312	33.53	14.15	47.68	54.00	-6.32	AVG



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EUT:	HOOT Camera Model: HOOT SCI							
Temperature:	25 ℃	Relative Humidity: 55%						
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Vertical	Vertical						
Test Mode:	TX G Mode 2462MHz	CHO STATE	2 1					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							
1								

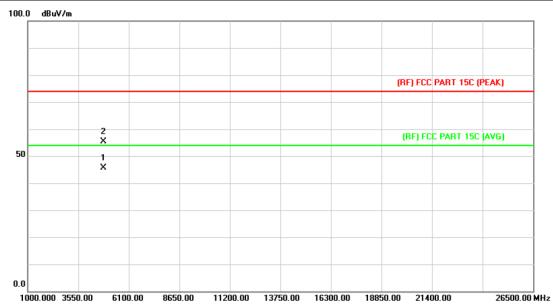


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.678	32.07	14.15	46.22	54.00	-7.78	AVG
2		4924.351	42.09	14.15	56.24	74.00	-17.76	peak



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EUT:	HOOT Camera	mera <b>Model:</b> HOOT SC					
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2412Mi	-lz	a Ulu				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						

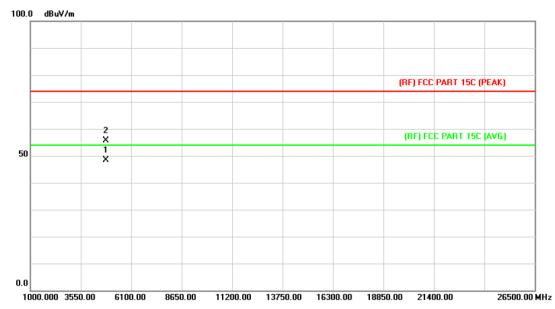


N	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4823.654	32.12	13.56	45.68	54.00	-8.32	AVG
2			4824.254	41.81	13.56	55.37	74.00	-18.63	peak



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EUT:	HOOT Camera	Model:	HOOT SCM-V3					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Vertical		C. C. C.					
Test Mode:	TX N(HT20) Mode 2412MH	z	J. P. Donald					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							



No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.541	34.78	13.56	48.34	54.00	-5.66	AVG
2		4824.658	42.08	13.56	55.64	74.00	-18.36	peak



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EUT:	HOOT Camera Model: HOOT SCN							
Temperature:	25 ℃	25 °C Relative Humidity: 55%						
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2437MH	lz (1)	a live					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							

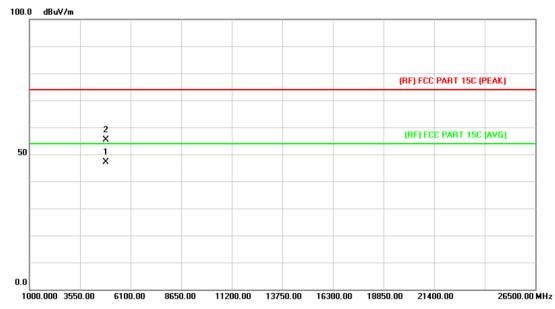


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.058	42.22	13.86	56.08	74.00	-17.92	peak
2	*	4874.298	32.52	13.86	46.38	54.00	-7.62	AVG



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EUT:	HOOT Camera	HOOT Camera Model: HOOT SCM						
Temperature:	<b>25</b> ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Vertical							
Test Mode:	TX N(HT20) Mode 2437M	Hz						
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							



No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.854	33.35	13.86	47.21	54.00	-6.79	AVG
2		4874.651	41.52	13.86	55.38	74.00	-18.62	peak



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EUT:	HOOT Camera	Model:	HOOT SCM-V3			
Temperature:	<b>25</b> ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2462MH	lz	O LUC			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

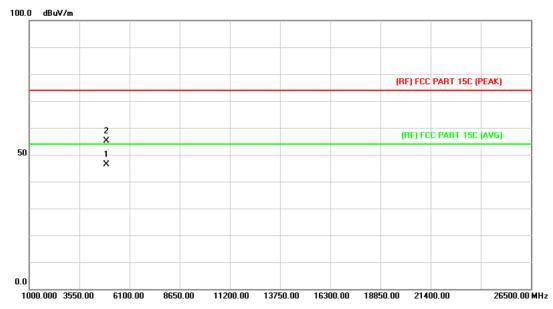


1	No. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.899	40.53	14.15	54.68	74.00	-19.32	peak
2	*	4924.158	32.72	14.15	46.87	54.00	-7.13	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3				
Temperature:	25 °C Relative Humidity: 55%						
Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2462MH	łz	a the				
Remark:	No report for the emission	which more than 10 dB b	pelow the				
	prescribed limit.						



No. Mk.		k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.084	32.17	14.15	46.32	54.00	-7.68	AVG
2		4924.485	40.94	14.15	55.09	74.00	-18.91	peak



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# 6. Restricted Bands Requirement

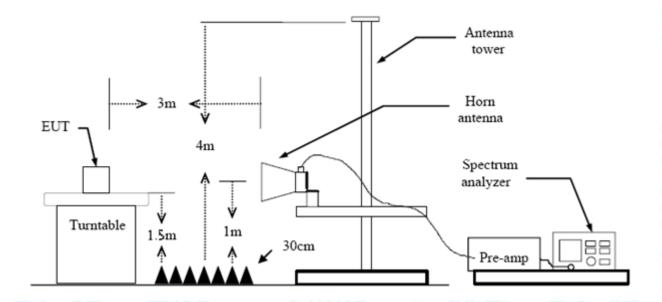
#### 6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Class B (dB	BuV/m)(at 3 M)
Band (MHz)	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54

### 6.2 Test Setup



#### 6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.



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(4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

#### 6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 6.5 Test Data

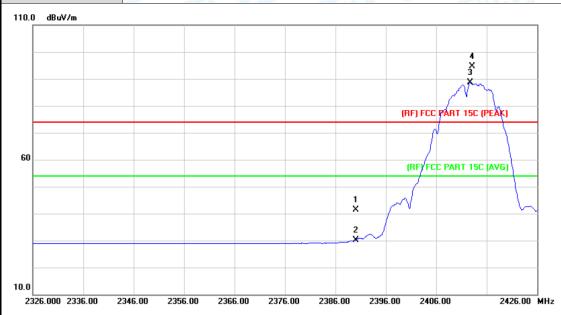
Please see the next page.



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## (1) Radiation Test

EUT:	HOOT Camera	Model:	HOOT SCM-V3				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Horizontal	CALLED ST					
Test Mode:	TX B Mode 2412MHz	TX B Mode 2412MHz					
Remark:	N/A	A D					



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	40.56	0.77	41.33	74.00	-32.67	peak
2		2390.000	29.46	0.77	30.23	54.00	-23.77	AVG
3	*	2412.700	87.88	0.86	88.74	Fundamental Frequency		AVG
4	X	2413.100	93.67	0.86	94.53	Fundamental	Frequency	peak



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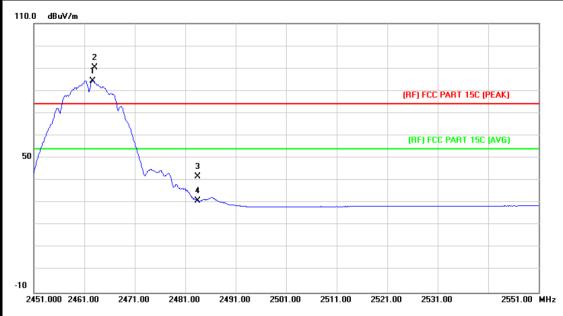


EUT:			HOO	T Cam	era			Mode	l:		Н	OOT S	CM-V3
Tempe	eratu	re:	25 ℃		m.			Relati	ve H	umidity:	5	5%	
Test V	oltag	e:	DC 3	.7V	معاليا	A				001	W		
Ant. P	ol.		Vertic	al		MA			1	1 6			
Test N	lode:		ТХВ	Mode	2412	ЛHz		01	77.77		a	B	No.
Rema	rk:		N/A	167		1				CAN.			_ 1
110.0 d	BuV/m												
										(RF) FCC	PART	4 X 3 X 15C (PEAK)	
										(RF) FC	C PAR	T 15C (AVG)	
50									1 X	$\sim$			$\Box$
									2	/			
	^												
-10													
2326.0	00 233	5.00	2346.00	2356.0			6.00	2386.00 Meas		96.00 240	6.00	24.	26.00 MH:
No.	Mk.	F	req.		ading vel	Corre Fact		me		Limit		Over	
		N	lHz	dE	Bu∨	dB/m	1	dBu\	V/m	dBuV/r	m	dB	Detect
								41.		74.00	٦ .	-32.30	peal
1		2390	0.000	40	.93	0.77		41.	70	74.00	,	02.00	pcu
1			0.000		).93 ).26	0.77		30.		54.00		-23.97	AVC
1 2 3	*	2390		29			,		03		)	-23.97	



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EUT:	HOOT Camera	Model:	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		100
Test Mode:	TX B Mode 2462MHz		a live
Remark:	N/A		D ~ 0

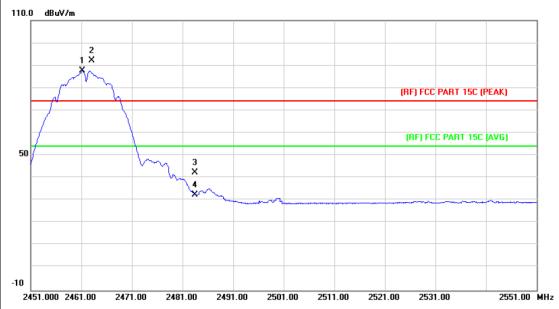


N	lo. N	Лk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*		2462.700	83.40	1.08	84.48	Fundamental Frequency		AVG
2	X		2463.000	89.39	1.08	90.47	Fundamental Frequency		peak
3			2483.500	40.64	1.17	41.81	74.00	-32.19	peak
4			2483.500	29.68	1.17	30.85	54.00	-23.15	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX B Mode 2462MHz	THE PARTY OF THE P	a live				
Remark:	N/A						

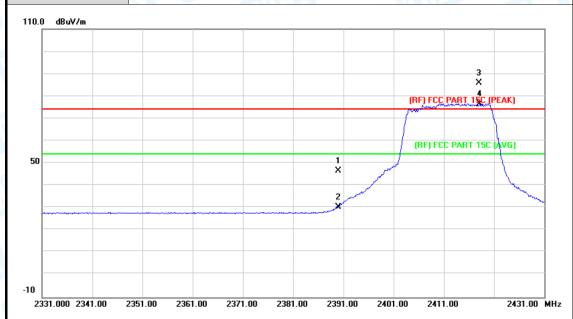


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.200	86.48	1.07	87.55	Fundamental Frequency		AVG
2	Χ	2463.000	91.08	1.08	92.16	Fundamenta	I Frequency	peak
3		2483.500	41.28	1.17	42.45	74.00	-31.55	peak
4		2483.500	31.40	1.17	32.57	54.00	-21.43	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3
Temperature:	<b>25</b> ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V	33	المرابع
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz	THE PARTY OF THE P	a Viv
Remark:	N/A		

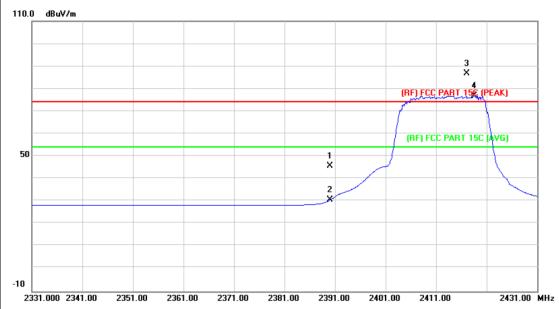


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	45.65	0.77	46.42	74.00	-27.58	peak
2		2390.000	29.47	0.77	30.24	54.00	-23.76	AVG
3	Χ	2418.000	84.83	0.89	85.72	Fundamenta	Frequency	peak
4	*	2418.100	75.70	0.89	76.59	Fundamenta	Frequency	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		CE TO
Test Mode:	TX G Mode 2412MHz		J KIND
Remark:	N/A		

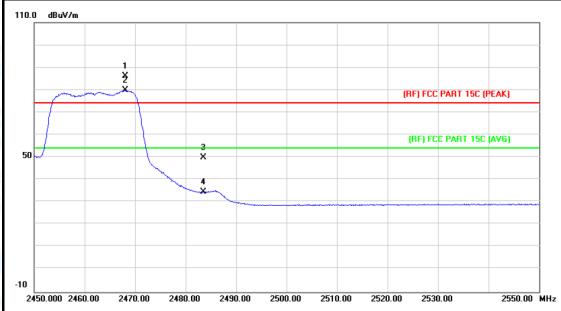


No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	44.95	0.77	45.72	74.00	-28.28	peak
2		2390.000	29.74	0.77	30.51	54.00	-23.49	AVG
3	Χ	2417.100	85.83	0.88	86.71	Fundamental	Frequency	peak
4	*	2418.600	76.01	0.89	76.90	Fundamental	Frequency	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		100
Test Mode:	TX G Mode 2462MHz		a live
Remark:	N/A		B ~ 6

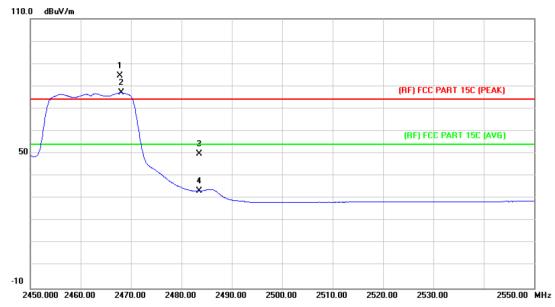


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2468.000	85.15	1.11	86.26	Fundamental	Frequency	peak
2	*	2468.000	78.84	1.11	79.95	Fundamental	Frequency	AVG
3		2483.500	48.77	1.17	49.94	74.00	-24.06	peak
4		2483.500	33.27	1.17	34.44	54.00	-19.56	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		a live
Remark:	N/A		20 ~ 0

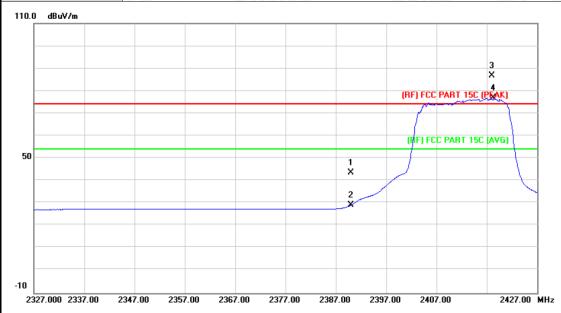


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2467.800	83.69	1.10	84.79	Fundamental	Frequency	peak
2	*	2468.000	75.98	1.11	77.09	Fundamental Frequency		AVG
3		2483.500	48.53	1.17	49.70	74.00	-24.30	peak
4		2483.500	32.10	1.17	33.27	54.00	-20.73	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3			
Temperature:	<b>25</b> ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V	DC 3.7V				
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2412MH	z	a live			
Remark:	N/A		$B \sim B$			

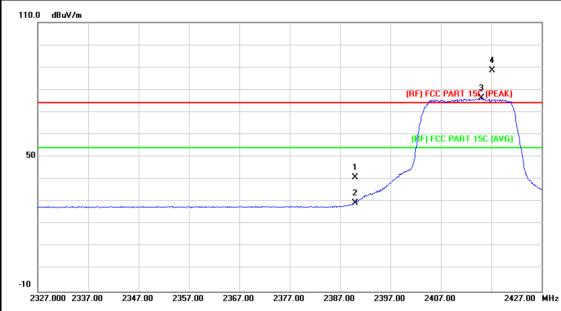


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	42.91	0.77	43.68	74.00	-30.32	peak
2		2390.000	28.43	0.77	29.20	54.00	-24.80	AVG
3	Χ	2418.000	85.90	0.89	86.79	Fundamental	Frequency	peak
4	*	2418.300	76.08	0.89	76.97	Fundamental	Frequency	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Vertical		COM				
Test Mode:	TX N(HT20) Mode 2412MH	TX N(HT20) Mode 2412MHz					
Remark:	N/A						

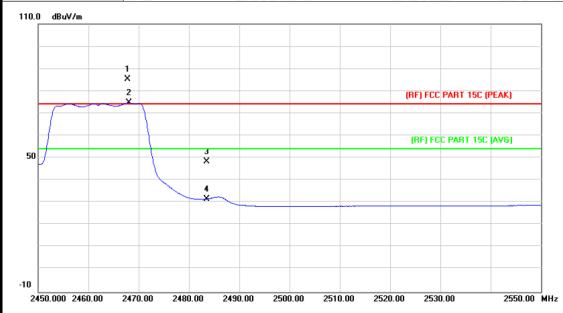


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	40.20	0.77	40.97	74.00	-33.03	peak
2		2390.000	28.83	0.77	29.60	54.00	-24.40	AVG
3	*	2415.000	75.23	0.88	76.11	Fundamental	Frequency	AVG
4	X	2417.200	87.75	0.88	88.63	Fundamental	Frequency	peak



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EUT:	HOOT Camera	Model:	HOOT SCM-V3					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2462MH	z	3					
Remark:	N/A		D ~ 0					

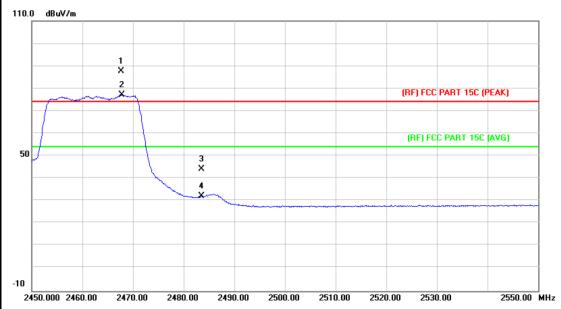


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2467.800	84.02	1.10	85.12	Fundamental	Frequency	peak
2	*	2468.000	73.60	1.11	74.71	Fundamental	Frequency	AVG
3		2483.500	47.11	1.17	48.28	74.00	-25.72	peak
4		2483.500	30.46	1.17	31.63	54.00	-22.37	AVG



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EUT:	HOOT Camera	Model:	HOOT SCM-V3					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Vertical		C. C. C.					
Test Mode:	TX N(HT20) Mode 2462MHz	THE PARTY OF THE P	J. File					
Remark:	N/A		3 / 6					



1	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		X	2467.700	86.42	1.10	87.52	Fundamenta	al Frequency	peak
2		*	2467.800	76.00	1.10	77.10	Fundamenta	al Frequency	AVG
3			2483.500	43.07	1.17	44.24	74.00	-29.76	peak
4			2483.500	30.90	1.17	32.07	54.00	-21.93	AVG





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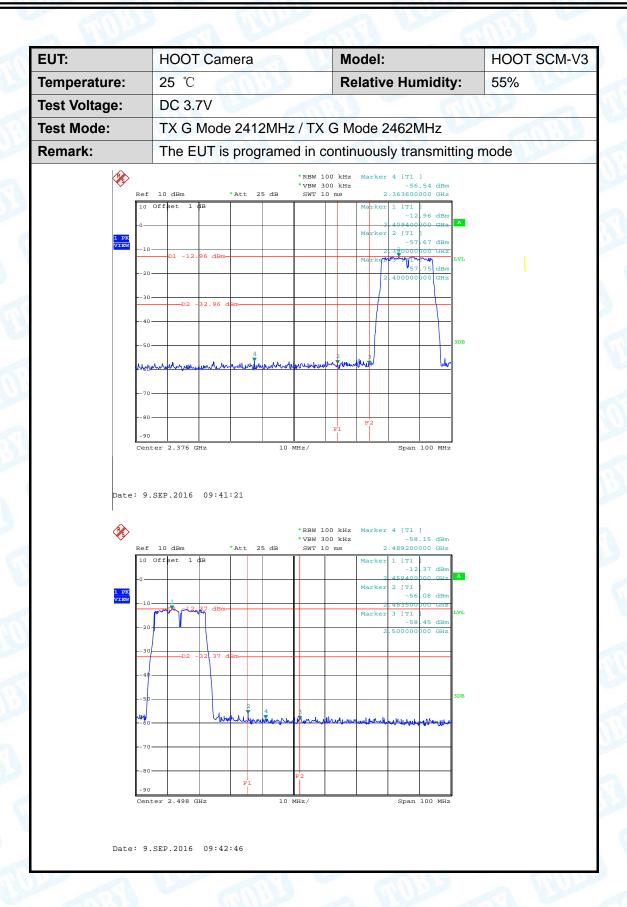
# (2) Co

EUT:	HOOT Car	nera		Model:		HOOT SCM-V3
Temperature:	25 ℃	25 ℃			umidity:	55%
Test Voltage:	DC 3.7V	_ \			A 16	
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz					
Remark: The EUT is programed in continuously trans					ansmitting	g mode
				kHz Marker 4 [7		
Ref	10 dBm	*Att 25 dB	*VBW 300 l	kHz -	57.38 dBm 00000 GHz	
10	Offset 1 dB			Marker 1 [7	1 ] -5.33 dBm	
-0 —	D1 -5.33 dBm-			Marker 2 [	1000000 GHz A	
1 PK VIEW10				2. <b>M</b> 90	0000 GHZ	
20				Marker 3 [1	58.58 dBm	
_	D2 -25.33	dBm		2.4000	00000 GHz	
30						
40						
50					3DB	
unat.	rum hay had hayram.	ماسلام کوم مسلا بیالطیایی	Luke was war	we was	W	
•						
70						
70 80				F2		
80 -90			F	1		
80 -90 Cen	ter 2.376 GHz		F:	1	an 100 MHz	
80 -90 Cen Date: 9	ter 2.376 GHz	7:40	*RBW 100 1	Sp.  Sp.  kHz Marker 4 [1]	rl ] 57.17 dBm	
80 -90 Cen Date: 9	ter 2.376 GHz		*RBW 100 ]	Sp.  Sp.  kHz Marker 4 [1]	1 ] 57.17 dBm 00000 GHz	
80 -90 Cen Date: 9	ter 2.376 GHz .SEP.2016 09:3	7:40	*RBW 100 1	Sp.  kHz Marker 4 [7]  kHz 2.4860  Marker 1 [7]	1 ] 57.17 dBm 100000 GHz 1   4 66 dBm 10000 GHz	
80 -90 Cen Date: 9	ter 2.376 GHz .SEP.2016 09:3	7:40	*RBW 100 1	Sp.  kHz Marker 4 [7]  kHz 2.4860  Marker 1 [7]  Marker 2 [7]	57.17 dBm 00000 GHz -4.66 dBm 00000 GHz -1.1 60.35 dBm	
Date: 9  Ref 10 0-10	10 dBm Offset 1 dB	7:40	*RBW 100 1	Sp.  kHz Marker 4 [7]  kHz S 2.486  Marker 1 [7]  Marker 2 [7]  Marker 3 [7]	1 ] 57.17 dBm 000000 GHz 1   -4 66 dBm 000000 GHz 1   60 35 dBm 000000 GHz	
Date: 9  Ref 10 0-10	ter 2.376 GHz .SEP.2016 09:3	7:40 *Att 25 dB	*RBW 100 1	Sp.  kHz Marker 4 [7]  kHz 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 2 [7]  2.4831  Marker 3 [7]	21 ] 57.17 dBm 100000 GHz 11   -4.66 dBm 100000 GHz 21   -1   -6.035 dBm 100000 GHZ	
Date: 9  Ref 10 0-10	ter 2.376 GHz .SEP.2016 09:3	7:40 *Att 25 dB	*RBW 100 1	Sp.  kHz Marker 4 [7]  kHz 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 2 [7]  2.4831  Marker 3 [7]	1 ] 57.17 dBm 00000 GHz -4 66 dBm 00000 GHz -1   1   1   1   1   1   1   1   1   1	
Date: 9  Ref 10 0-10	ter 2.376 GHz .SEP.2016 09:3	7:40 *Att 25 dB	*RBW 100 1	Sp.  kHz Marker 4 [7]  kHz 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 2 [7]  2.4831  Marker 3 [7]	1 ] 57.17 dBm 00000 GHz -4 66 dBm 00000 GHz -1   1   1   1   1   1   1   1   1   1	
Date: 9  Ref 10	D2 -4.66	7:40 *Att 25 dB	*RBW 100 1	Sp.  kHz Marker 4 [7]  kHz 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 2 [7]  2.4831  Marker 3 [7]	1 ] 57.17 dBm 00000 GHz -4 66 dBm 00000 GHz -1   1   1   1   1   1   1   1   1   1	
Date: 9  Ref 10 0-10	ter 2.376 GHz  SEP.2016 09:3  10 dBm  Offset 1 dB	*Att 25 dB	*RBW 100 1 *VBW 300 1 SWT 10 ms	Sp.  kHz Marker 4 [7]  kHz S 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 3 [7]  Marker 3 [7]	21 ] 57.17 dBm 000000 GHz -4.66 dBm 000000 GHz 1   60.35 dBm 000000 GHz 1   1   1   1   1   1   1   1   1   1	
Date: 9  Ref 10	Ter 2.376 GHz  SEP.2016 09:3  10 dBm  Offset 1 dB	7:40 *Att 25 dB	*RBW 100 1 *VBW 300 1 SWT 10 ms	Sp.  kHz Marker 4 [7]  kHz 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 2 [7]  2.4831  Marker 3 [7]	21 ] 57.17 dBm 000000 GHz -4.66 dBm 000000 GHz 1   60.35 dBm 000000 GHz 1   1   1   1   1   1   1   1   1   1	
Date: 9  Ref 1020 VISW10	10 dBm Offset 1 dB  D1 -4.66 dBm	7:40 *Att 25 dB	*RBW 100 1 *VBW 300 1 SWT 10 ms	Sp.  kHz Marker 4 [7]  kHz S 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 3 [7]  Marker 3 [7]	21 ] 57.17 dBm 000000 GHz -4.66 dBm 000000 GHz 1   60.35 dBm 000000 GHz 1   1   1   1   1   1   1   1   1   1	
Date: 9  Ref 10	10 dBm Offset 1 dB	7:40 *Att 25 dB	*RBW 100 1 *VBW 300 1 SWT 10 ms	Sp.  kHz Marker 4 [7]  kHz S 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 3 [7]  Marker 3 [7]	21 ] 57.17 dBm 000000 GHz -4.66 dBm 000000 GHz 1   60.35 dBm 000000 GHz 1   1   1   1   1   1   1   1   1   1	
Date: 9  Ref 10203030303030303	10 dBm Offset 1 dB  D2 -34.66	7:40 *Att 25 dB	*RBW 100 1 *VBW 300 1 SWT 10 ms	Sp.  kHz Marker 4 [7]  kHz S 2.4860  Marker 1 [7]  Marker 2 [7]  Marker 3 [7]  Marker 3 [7]	21 ] 57.17 dBm 000000 GHz -4.66 dBm 000000 GHz 1   60.35 dBm 000000 GHz 1   1   1   1   1   1   1   1   1   1	





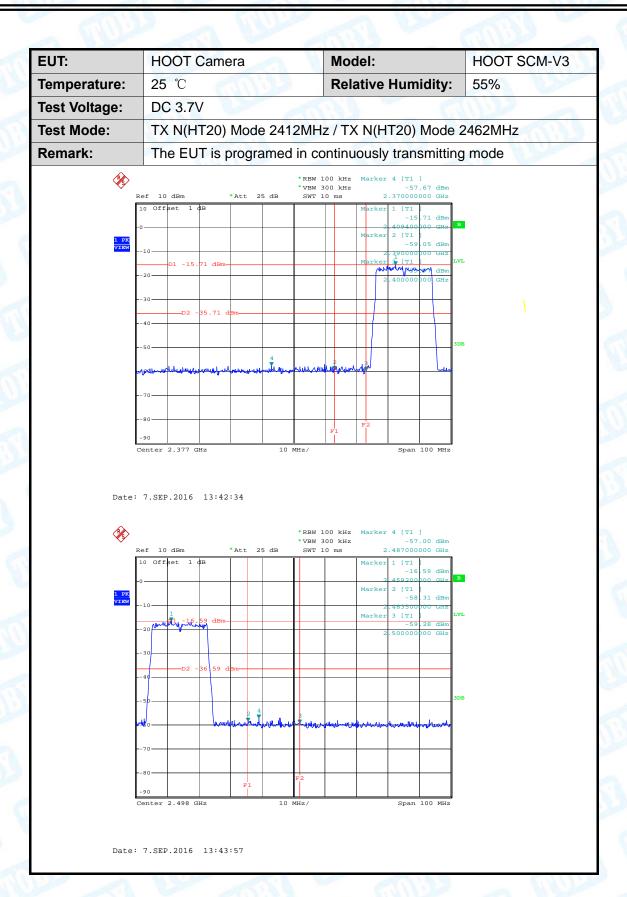
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## 7. Bandwidth Test

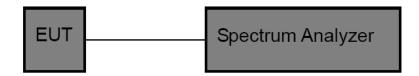
#### 7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.247 (a)(2)

7.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210						
Test Item	Test Item Limit Frequency Range(MHz)					
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5				

## 7.2 Test Setup



#### 7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB 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.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

## 7.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.





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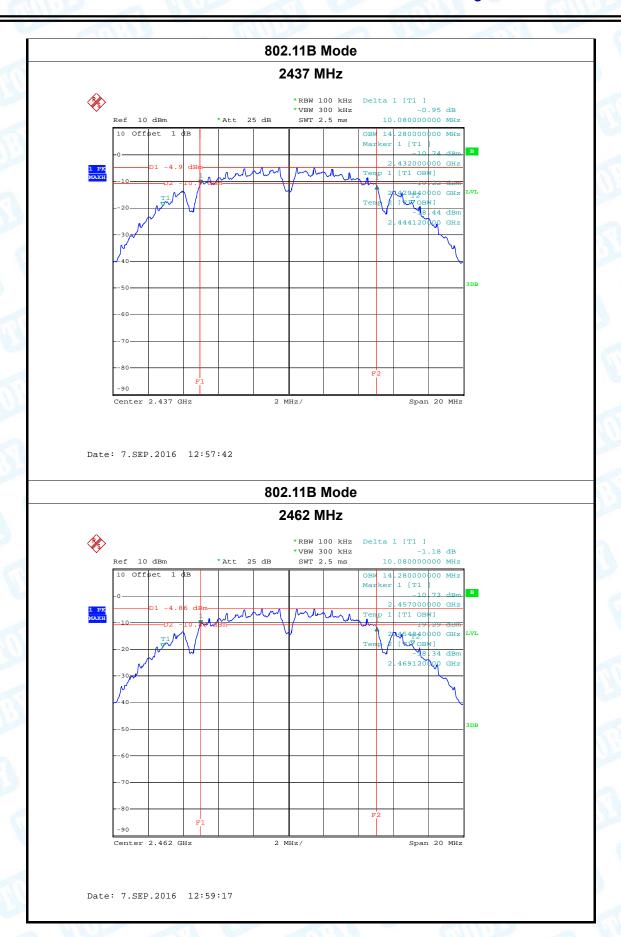
# 7.5 Test Data

EUT:		HOC	OT Ca	amera		I	Mode	l:			HOO	T SCM-V3	3
Temperature	:	25 °	С	The same			Relati	ve H	umidit	ty:	55%		1
Test Voltage	:	DC 3	3.7V	1		137		M	175			CALL S	
Test Mode:		TX 8	802.1	1B Mo	ode		× 1	17/	No.			6.00	
Channel free	quenc	у	6dB	Band	dwidth	1	99%	Ban	dwidt	h		Limit	
(MHz)				(MH	z)			(MH	lz)			(MHz)	
2412				10.0	8			14.2	28				
2437				10.0	8			14.2	28			>=0.5	
2462				10.0	8			14.2	28				
					802	.11B	Mode	)		I			
					2	412 N	1Hz						
	Ref 10		in .	*Att 2	25 dB	*VBW 3	.00 kHz 800 kHz 8.5 ms	1	0.080000	.06 dB 000 MHz	<b>7</b> 1		
	10 Offs	et 1 o	ВB					OBW 1	4.280000 r 1 [T1	000 MHz	В		
1 PK MAXH	0	D1 -5.1	dBm-	4 0 1	nd nd	M. M.	Λ		2.406960 1 [T1 OB	42 dBm			
MAXH	-10	D2 -	11.		1			<b>M</b>	-19	51 dBm	LVL		
	-20	T1	V					Temp		.59 dBm			
	-30								2.419120	000 GHz			
	\rightarrow \right									٧			
											3DB		
	-50										308		
	-60										1		
	-70										-		
	-80												
	-90		F1					F2					
	20												





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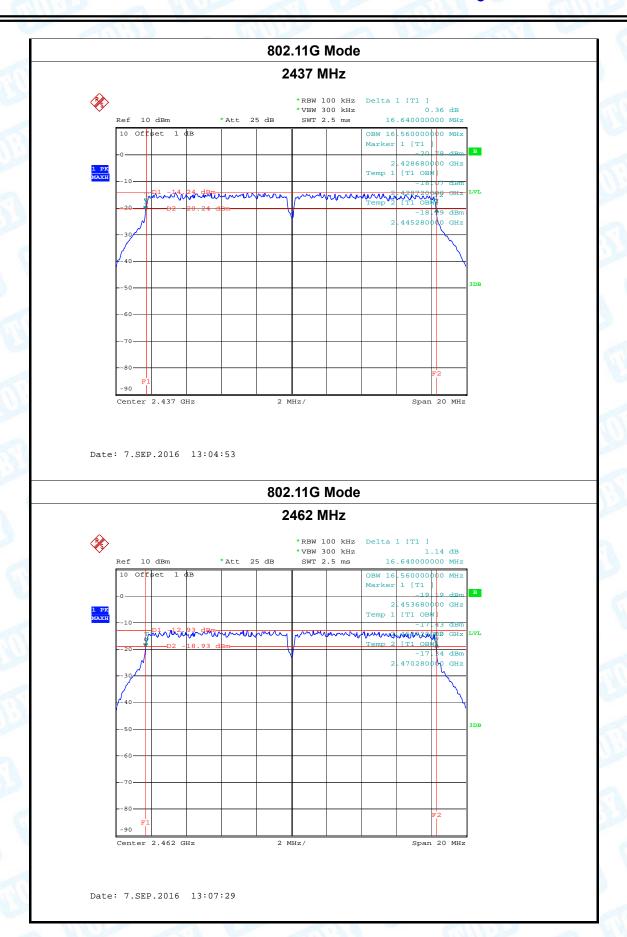
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EUT:	Н	OOT Camera	Model:	HOOT SCM-V3
Temperature:	25	5 °C	Relative Humidity:	55%
Test Voltage:	DO	C 3.7V	U	
Test Mode:	TX	( 802.11G Mode	CILL DE	A WILL
Channel freque	ency	6dB Bandwidth	99% Bandwidth	Limit
(MHz)		(MHz)	(MHz)	(MHz)
2412		16.64	16.56	
2437		16.64	16.56	>=0.5
2462		16.64	16.56	-
		802.11	G Mode	
6				
<b>%</b>		* V	BW 100 kHz Delta 1 [T1 ] BW 300 kHz 0.94 d	
Ref	10 dBm	* V		IHz
		*V *Att 25 dB S	BW 300 kHz 0.94 d WT 2.5 ms 16.640000000 N	IHz
10 -0		*V *Att 25 dB S	BW 300 kHz 0.94 c WT 2.5 ms 16.640000000 N OBW 16.560000000 N	IHZ IHZ IBm B
	Offset	*Att 25 dB S	BW 300 kHz	IHZ IHZ IBm B
10 -0	Offset	*Att 25 dB S	BW 300 kHz 0.94 c WT 2.5 ms 16.640000000 N  OBW 16.56000000 N  Marker 1 [T1 ]  -19 97 c  2.403680000 Temp 1 [T1 OBW  -18 11 c  Temp 2 [T1 OBW  -18 11 c	HIZ HIZ HIZ HIZ HIZ HIZ LVL
10 -0	Offset	*Att 25 dB S	BW 300 kHz 0.94 c WT 2.5 ms 16.640000000 N  OBW 16.56000000 N  Marker 1 [T1]  -19.97 c  2.403680000 Temp 1 [T1 OBN  -18.13 c  Temp 2 [T1 OBN	HIZ HIZ HIZ HIZ HIZ HIZ LVL
10 -0	Offset	*Att 25 dB S	BW 300 kHz 0.94 c WT 2.5 ms 16.640000000 N  OBW 16.56000000 N  Marker 1 [T1 ]  -19 97 c  2.403680000 Temp 1 [T1 OBW  -18 11 c  Temp 2 [T1 OBW  -18 11 c	HIZ HIZ HIZ HIZ HIZ HIZ LVL
10 -0	Offset	*Att 25 dB S	BW 300 kHz 0.94 c WT 2.5 ms 16.640000000 N  OBW 16.56000000 N  Marker 1 [T1 ]  -19 97 c  2.403680000 Temp 1 [T1 OBW  -18 11 c  Temp 2 [T1 OBW  -18 11 c	Hz  Hz  B  LVL  LBm  LVL
10 -0	Offset	*Att 25 dB S	BW 300 kHz 0.94 c WT 2.5 ms 16.640000000 N  OBW 16.56000000 N  Marker 1 [T1 ]  -19 97 c  2.403680000 Temp 1 [T1 OBW  -18 11 c  Temp 2 [T1 OBW  -18 11 c	HIZ HIZ HIZ HIZ HIZ HIZ LVL
10 -0	Offset	*Att 25 dB S	BW 300 kHz 0.94 c WT 2.5 ms 16.640000000 N  OBW 16.56000000 N  Marker 1 [T1 ]  -19 97 c  2.403680000 Temp 1 [T1 OBW  -18 11 c  Temp 2 [T1 OBW  -18 11 c	Hz  Hz  B  LVL  LBm  Hz  LVL





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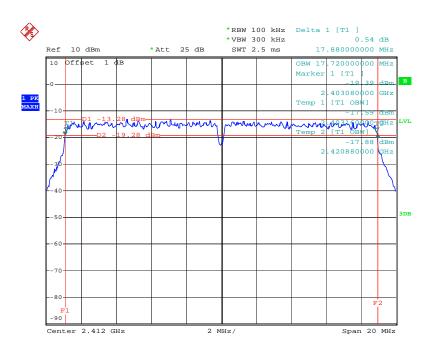
		The same of the sa	
EUT:	HOOT Camera	Model:	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Toet Voltage:	DC 3.7\/	William I	

Test Mode: TX 802.11N(HT20) Mode

root model	7. 00211111(11120) 111000		
Channel frequency	6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	17.88	17.72	
2437	17.88	17.72	>=0.5
2462	17.88	17.72	

### 802.11N(HT20) Mode

#### 2412 MHz

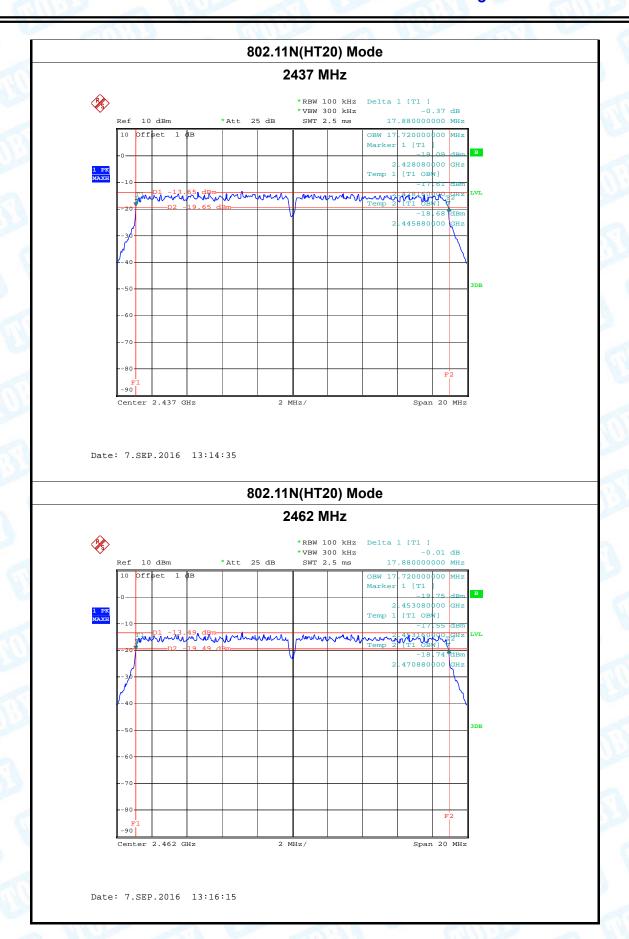


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# 8. Peak Output Power Test

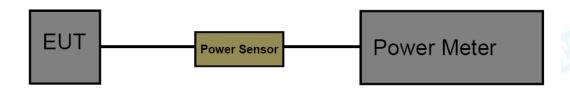
#### 8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210						
Test Item	Test Item Limit Frequency Range(MHz)					
Peak Output Power	1 Watt or 30 dBm	2400~2483.5				

## 8.2 Test Setup



#### 8.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v03r05.

The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

## 8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.



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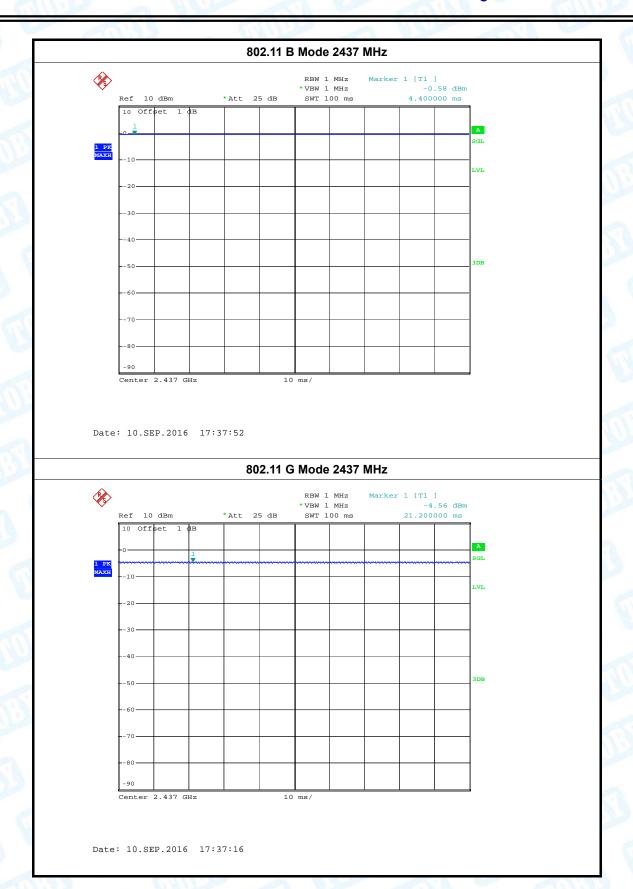
# 8.5 Test Data

EUT:	HOOT Camera	Model Name :	HOOT SCM-V3
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		(AUD)
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	9.16	
802.11b	2437	9.23	
	2462	9.21	
	2412	8.97	
802.11g	2437	8.69	30
	2462	8.91	
000 44	2412	8.84	
802.11n (HT20)	2437	8.67	
(11120)	2462	8.94	
	Resi	ult: PASS	

	Duty Cy	cle
Mode	Channel frequency (MHz)	Test Result
802.11b	2412	
	2437	
	2462	
802.11g 802.11n (HT20)	2412	
	2437	>98%
	2462	
	2412	
	2437	
	2462	

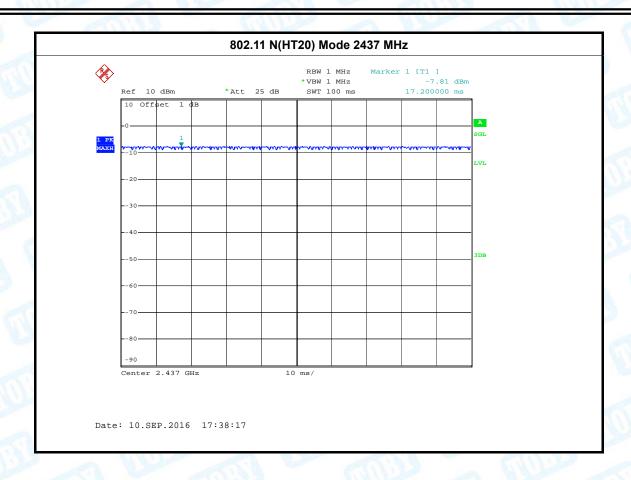


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# 9. Power Spectral Density Test

#### 9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)				
Test Item Limit Frequency Range(MH				
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5		

### 9.2 Test Setup



#### 9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v03r05.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser center frequency to DTS channel center frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz(5) Set the VBW to: 10 kHz
- (6) Detector: peak
- (7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

## 9.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.





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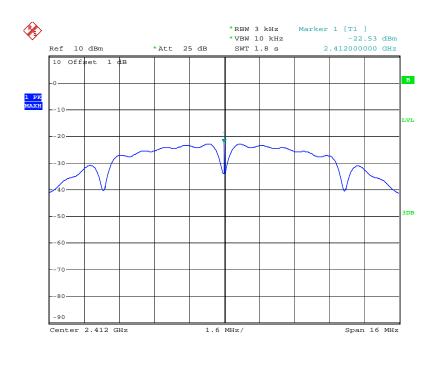
### 9.5 Test Data

EUT:	HOOT Ca	ımera	Model:	HOOT SCM-V3
Temperature:	25 ℃		Relative Humidity:	55%
Test Voltage:	DC 3.7V	A W		(ACID)
Test Mode:	TX 802.11	IB Mode		
01 15		_	n ''	1 1 14 / ID \

Channel Frequency	Channel Frequency Power Density	
(MHz)	(3 kHz/dBm)	
2412	-22.53	
2437	-22.95	8
2462	-22.81	

#### 802.11B Mode

#### 2412 MHz

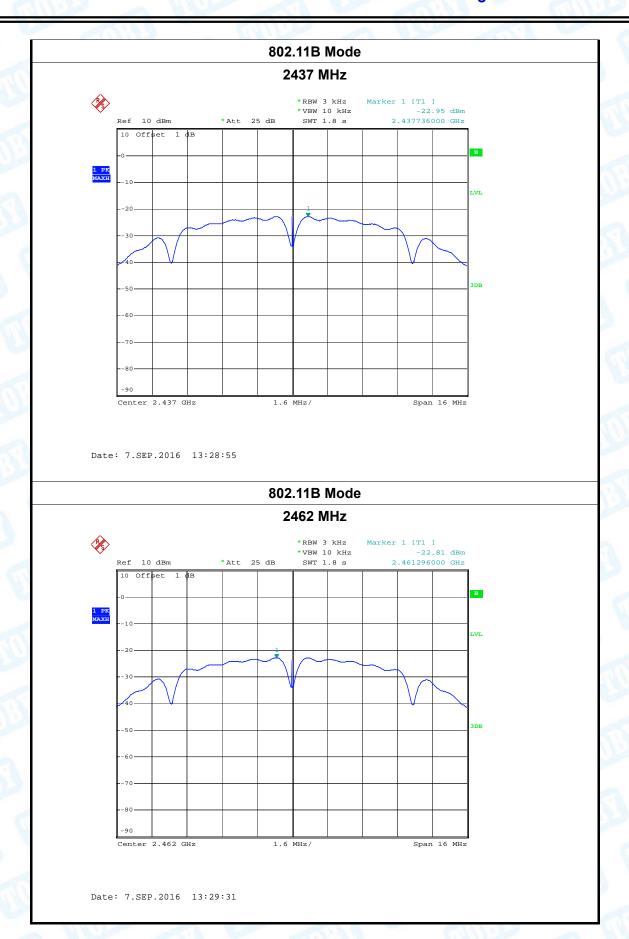


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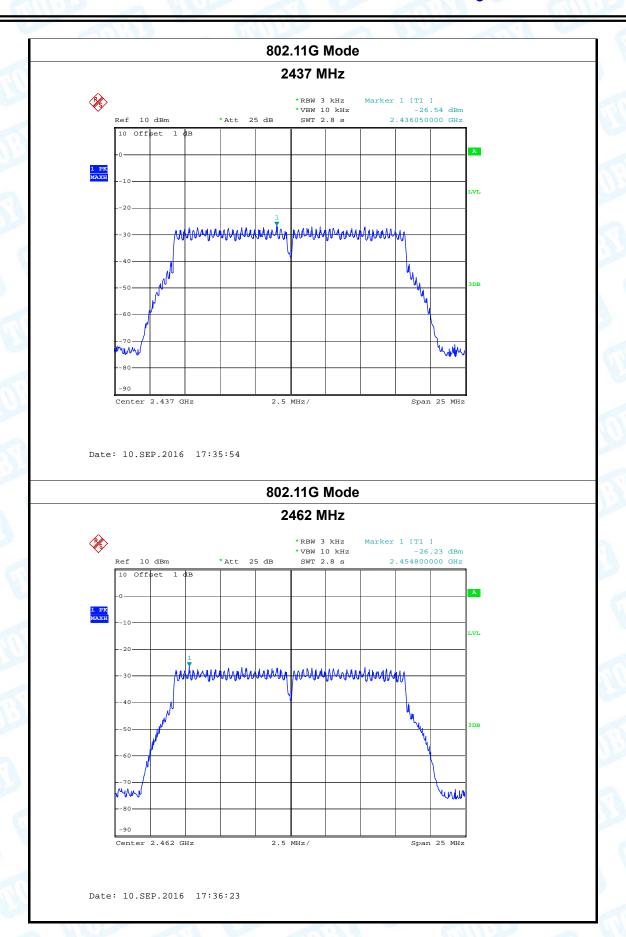
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EUT:	HOOT Camera  25 ℃  DC 3.7V  TX 802.11G Mode		Model:		HOOT SCM-V3
Temperature:			Tempe	rature:	25 ℃
Test Voltage:			1677		CILLIE -
Test Mode:					
-			ver Density		Limit (dBm)
(MHz)		-	(3 kHz/dBm)		
2412			-26.86		
2437			-26.54		8
2462			-26.23		
		802.	11G Mode		
		24	I12 MHz		
Ref 10		*Att 25 dB	*RBW 3 kHz *VBW 10 kHz SWT 2.8 s		86 dBm
10 Off:	dBm set 1 dB	*Att 25 dB	*VBW 10 kHz	-26.	86 dBm
10 Off:		*Att 25 dB	*VBW 10 kHz	-26.	86 dBm 00 GHz
10 Off:	set 1 dB	1	*VBW 10 kHz SWT 2.8 s	-26. 2.4110500	86 dBm 00 GHz
10 Off:	set 1 dB	*Att 25 dB	*VBW 10 kHz SWT 2.8 s	-26. 2.4110500	86 dBm 00 GHz
10 Off:	set 1 dB	1	*VBW 10 kHz SWT 2.8 s	-26. 2.4110500	86 dBm 00 GHz A LVL
10 Off: -0	set 1 dB	1	*VBW 10 kHz SWT 2.8 s	-26. 2.4110500	86 dBm 00 GHz
10 Off: -0	set 1 dB	1	*VBW 10 kHz SWT 2.8 s	-26. 2.4110500	86 dBm 00 GHz A LVL
10 Offi	set 1 dB	1	*VBW 10 kHz SWT 2.8 s	-26. 2.4110500	86 dBm 00 GHZ LVL
10 Offi	set 1 dB	1	*VBW 10 kHz SWT 2.8 s	-26. 2.4110500	86 dBm 00 GHz A LVL
10 Off: -0	set 1 dB	1	*VBW 10 kHz SWT 2.8 s	-26. 2.4110500	86 dBm 00 GHZ LVL





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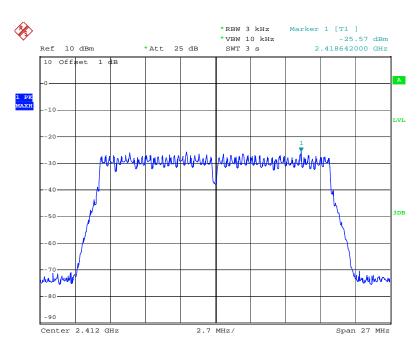




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				CHILL
EUT:	HOOT Camera		Model:	HOOT SCM-V3
Temperature:	25 ℃		Temperature:	25 ℃
Test Voltage:	DC 3.7V			COLUMN TO THE PARTY OF THE PART
Test Mode:	TX 802.11N(HT20) Mode			
Channel Freq	hannel Frequency Power		Density	Limit (dBm)
(MHz)		(3 kHz	z/dBm)	
2412		-25.57		8
2437		-26.43		
2462		-27.48		
		802.11N(H	IT20) Mode	
		2412	2 MHz	
1				

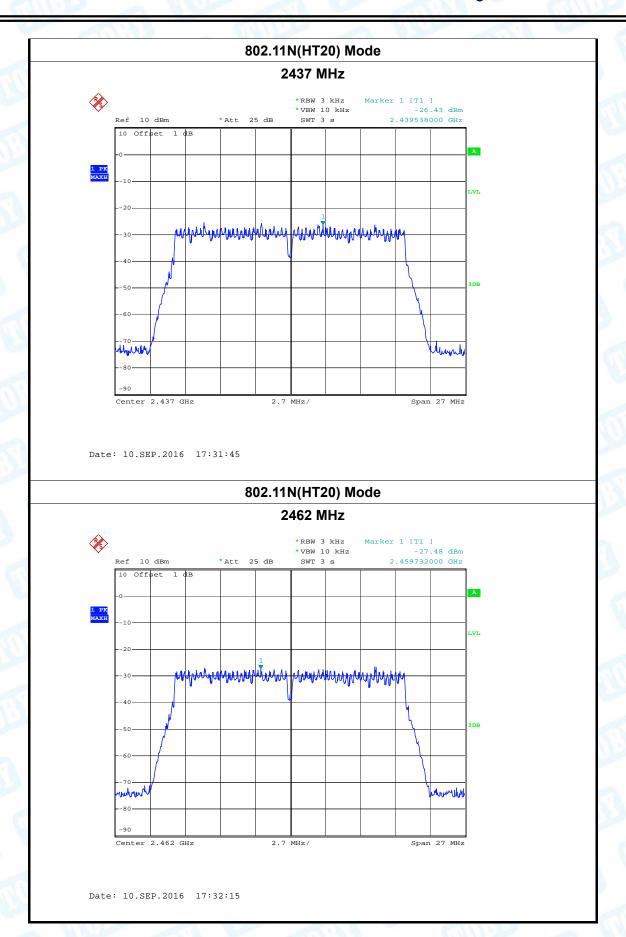


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# 10. Antenna Requirement

### 10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

#### 10.1.2 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.

#### 10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 4 dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

#### Result

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

	Antenna Type
	☐ Permanent attached antenna
Marie Land	☑ Unique connector antenna
	□ Professional installation antenna