



Т	EST REPORT		
Report Reference No:	TRE1608017401 R/C:66077 2AK4CPP211NV5L		
Applicant's name:	Petcube, Inc.		
Address	2711 Centerville Road, Suite 400, Wilmington, Delaware 19808, USA		
Manufacturer:	Shenzhen Ditai Precision Electronic Co., LTD		
Address	2/F, C block, No.18, Baihuayuan Rd, Guangming New District, Shenzhen city, China		
Test item description:	Petcube Play		
Trade Mark	Petcube		
Model/Type reference:	PP211NV5L		
Listed Model(s)			
Standard:	FCC CFR Title 47 Part 15 Subpart C Section 15.247		
Date of receipt of test sample	Aug. 25, 2016		
Date of testing	Aug. 26, 2016 - Sept.18, 2016		
Date of issue	Sept. 19, 2016		
Result	PASS		
Compiled by (position+printedname+signature):	File administrators Candy Liu		
Supervised by (position+printedname+signature):	Project Engineer Jeff Sun RF Manager Hans Hu		
Approved by (position+printedname+signature):	RF Manager Hans Hu		
Testing Laboratory Name: :	Shenzhen Huatongwei International Inspection Co., Ltd.		
Address	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China		
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The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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# 1. Test standards and Report version

# 1.1. Applicable Standards

The tests were performed according to following standards:

FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

ANSI C63.10:2013: AmericanNationalStandardforTestingUnlicensedWirelessDevices

KDB558074 D01 DTS Meas Guidance v03r05: Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating under § 15.247

# 1.2. Report version

Version No.	Date of issue	Description
00	September 19, 2016	Original

# 2. <u>Test Description</u>

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
Line Conducted Emission (AC Main)	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
Power Spectral Density	15.247 (e)	Pass
6dB Bandwidth	15.247 (a)(2)	Pass
Restricted band	15.247(d)/15.205	Pass
Spurious Emission	15.247(d)/15.209	Pass

Note: The measurement uncertainty is not included in the test result.

# 3. <u>Summary</u>

# 3.1. Client Information

Applicant:	Petcube, Inc.
Address:	2711 Centerville Road, Suite 400, Wilmington, Delaware 19808, USA
Manufacturer:	Shenzhen Ditai Precision Electronic Co., LTD
Address:	2/F, C block, No.18, Baihuayuan Rd, Guangming New District, Shenzhen city, China

# 3.2. Product Description

Name of EUT	Petcube Play	Petcube Play		
Trade Mark:	Petcube	Petcube		
Model No.:	PP211NV5L			
Listed Model(s):	-			
Power supply:	DC 5V/2A			
Adapter information:	-			
WIFI				
Supported type:	⊠802.11b	⊠802.11g	⊠802.11n(H20)	⊠802.11n(H40)
Modulation:	DSSS for 802.11b OFDM for 802.11g	DSSS for 802.11b OFDM for 802.11g/802.11n(H20)/802.11n(H40)		
Operation frequency:		2412MHz~2462MHz for 802.11b/802.11g/802.11n(H20) 2422MHz~2452MHz for 802.11n(H40)		
Channel number:	<u>11</u> for 802.11b/802 <u>7</u> for 802.11n(H40)	<u>11</u> for 802.11b/802.11g/802.11n(H20) <u>7</u> for 802.11n(H40)		
Channel separation:	5MHz	5MHz		
Antenna type:	Integral antenna	Integral antenna		
Antenna gain:	3.56dBi			

### 3.3. Operation state

#### Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channel which were tested. the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the above gray bottom.

802.11b/g/n(H20)		802.11n(H40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	01	-
02	2417	02	-
03	2422	03	2422
04	2427	04	2427
05	2432	05	2432
06	2437	06	2437
07	2442	07	2442
08	2447	08	2447
09	2452	09	2452
10	2457	10	-
11	2462	11	-

#### Test mode

For RF test items

The engineering test program was provided and enabled to make EUT continuous transmit/receive.

For AC power line conducted emissions:

The EUT was set to connect with the WLAN AP under large package sizes transmission.

For RF test axis

EUT in each of three orthogonal axis emissions had been tested ,but only the worst case (X axis) data Recorded in the report.

#### 3.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer
- $\bigcirc$  supplied by the lab

0	PowerCable	Length (m) :	/
		Shield :	/
		Detachable :	/
$\bigcirc$	Multimeter	Manufacturer :	/
		Model No. :	/

# 3.5. Modifications

No modifications were implemented to meet testing criteria.

# 4. Test Environment

### 4.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.

Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China Phone: 86-755-26748019 Fax: 86-755-26748089

### 4.2. Test Facility

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

#### CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: February 28, 2015. Valid time is until February 27, 2018.

#### A2LA-Lab Cert. No. 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until December 31, 2016.

#### FCC-Registration No.: 317478

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 317478, Renewal date Jul. 18, 2014, valid time is until Jul. 18, 2017.

#### IC-Registration No.: 5377A&5377B

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377A on Dec. 31, 2013, valid time is until Dec. 31, 2016.

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377B on Dec.03, 2014, valid time is until Dec.03, 2017.

#### ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

Line Conducted Emission (AC Main)					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	R&S	ESCI	101247	2015/11/03
2	Artificial Mains	Shwarzbeck	NNLK 8121	573	2015/11/03
3	Pulse Limiter	R&S	ESH3-Z2	101488	2015/11/03
4	Test Software	R&S	ES-K1	N/A	N/A

# 4.3. Equipments Used during the Test

Maximum Peak Output Power / Power Spectral Density / 6dB Bandwidth / Band Edge Compliance of RF Emission / Spurious RF Conducted Emission

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal
1	Spectrum Analyzer	Rohde&Schwarz	FSP	1164.4391.40	2015/11/02
2	Power Meter	Anritsu	ML2480B	100798	2015/11/02
3	Power Sensor	Anritsu	MA2411B	100258	2015/11/02
4	Test cable	/	/	/	/
5	Temporary antenna connector	/	/	/	/

NOTE: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

Radia	ited Emission				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	Rohde&Schwarz	ESI 26	100009	2015/11/02
2	RF Test Panel	Rohde&Schwarz	TS / RSP	335015/0017	N/A
3	EMI Test Software	Rohde&Schwarz	ESK1	N/A	N/A
4	Loop Antenna	Rohde&Schwarz	HZ-9	838622\013	2015/11/08
5	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2015/11/08
6	Horn Antenna	ShwarzBeck	9120D	1011	2015/11/08
7	Broadband Horn Antenna	Shwarzbeck	BBHA9170	BBHA917047 2	2015/11/08
8	Preamplifier	Shwarzbeck	BBV9742	9742-196	2015/11/02
9	Broadband Preamplifer	Shwarzbeck	BBV 9721	9721-102	2015/11/02
10	Broadband Preamplifer	Shwarzbeck	BBV 9718	9718-247	2015/11/02
11	Turn Table	MATURO	TT2.0	/	N/A
12	Antenna Mast	MATURO	TAM-4.0-P	/	N/A
13	EMI Test Software	Audix	E3	N/A	N/A
14	Test Software	R&S	ES-K1	N/A	N/A
15	Test cable	Siva Cables Italy	RG 58A/U	W14.02	2015/12/05

The Cal.Interval was one year

# 4.4. Environmental conditions

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

Temperature:	15~35°C
lative Humidity:	30~60 %
Air Pressure:	950~1050mba

# 4.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01"Electromagnetic compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurementof mobile radio equipment characteristics;Part 1"and TR-100028-02 "Electromagnetic compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurement characteristics;Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test Items	MeasurementUncertainty	Notes
Transmitter power conducted	0.57 dB	(1)
Transmitter power Radiated	2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	1.60 dB	(1)
Radiated spurious emission 9KHz-40 GHz	2.20 dB	(1)
Conducted Emission 9KHz-30MHz	3.39 dB	(1)
Radiated Emission 30~1000MHz	4.24 dB	(1)
Radiated Emissio 1~18GHz	5.16 dB	(1)
Radiated Emissio 18-40GHz	5.54 dB	(1)
Occupied Bandwidth		(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

# 5. Test Conditionsand Results

# 5.1. Antenna requirement REQUIREMENT:

# FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of anantenna that uses a unique coupling to the intentional radiator, 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.

#### FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

#### TEST RESULTS

# ☑ Passed □ Not Applicable

The antenna isintegralantenna, the best case gain of the antenna is3.56dBi, please refer to the below antenna photo.



# 5.2. Conducted Emission (AC Main)

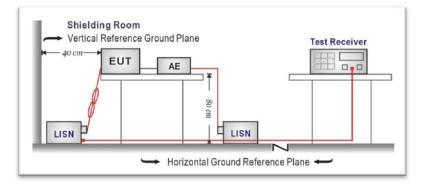
# LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207:

	Limit (dBuV)				
Frequency range (MHz)	Quasi-peak	Average			
0.15-0.5	66 to 56*	56 to 46*			
0.5-5	56	46			
5-30	60	50			

\* Decreases with the logarithm of the frequency.

#### **TEST CONFIGURATION**



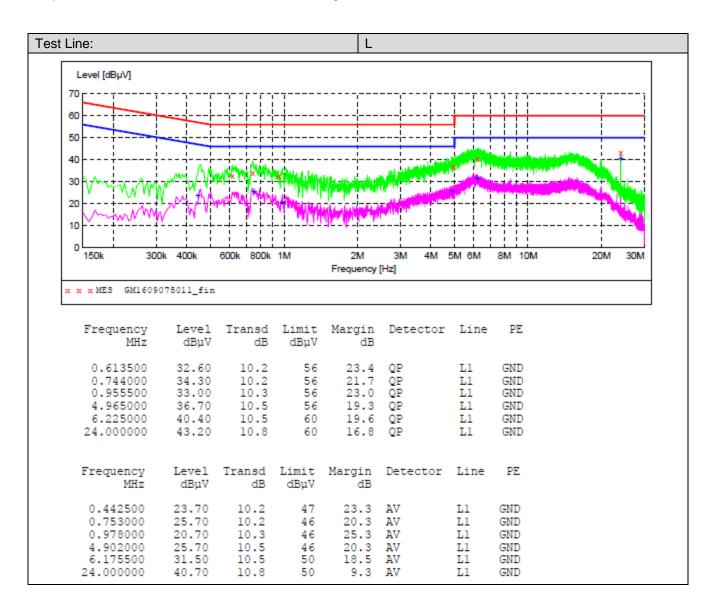
#### TEST PROCEDURE

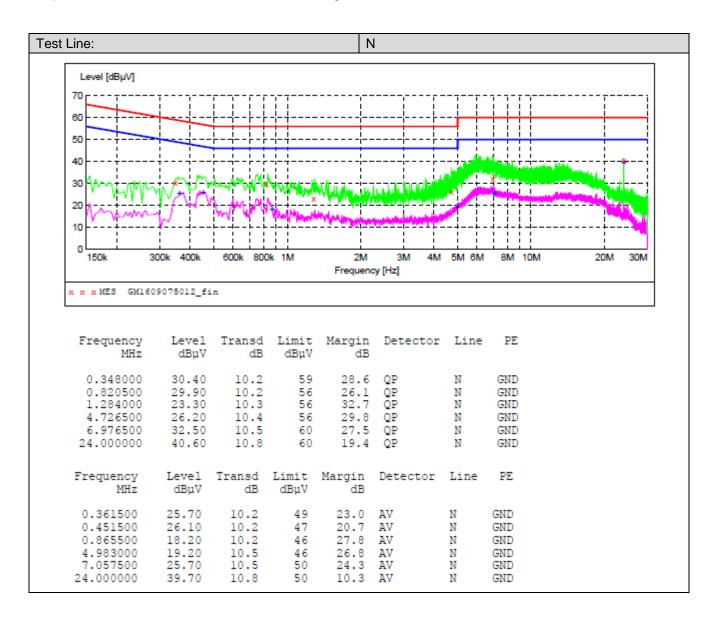
- 1. The EUT was setup according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above theconducting ground plane. The vertical conducting plane was located 40 cm to the rear of theEUT. All other surfaces of EUT were at least 80 cm from any other grounded conductingsurface.
- 3. The EUT and simulators are connected to the main power through a line impedancestabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for themeasuring equipment.
- 4. The peripheral devices are also connected to the main power through aLISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were foldedback and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHzusing a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

#### TEST MODE:

Please refer to the clause 3.3

#### TEST RESULTS

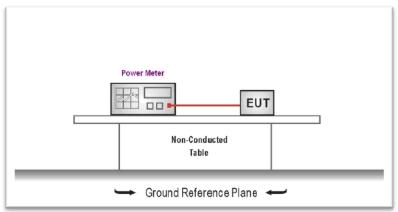




# 5.3. Conducted Peak Output Power LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): **30dBm**:

### TEST CONFIGURATION



# TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.10: 2013and KDB 558074 D01 for compliance to FCC 47CFR 15.247requirements.
- 2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
- 3. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector
- 4. Record the measurement data.

#### TEST MODE:

Please refer to the clause 3.3

#### TEST RESULTS

Туре	Channel	Output power (dBm)	Limit (dBm)	Result	
	01	9.29			
802.11b	06	9.19	30.00	Pass	
	11	9.11			
	01 8.76				
802.11g	06	8.47	30.00	Pass	
	11	8.83			
	01	8.28			
802.11n(H20)	06	8.33	30.00	Pass	
	11	8.39			
	03	7.91			
802.11n(H40)	06	7.73	30.00	Pass	
	09	7.87			

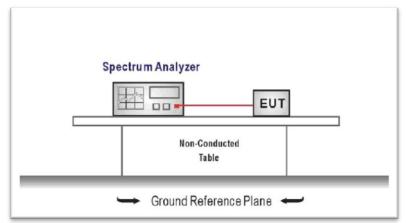
# 5.4. Power Spectral Density

### LIMIT

#### FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e):

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### TEST CONFIGURATION



#### TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input,
- Configure the spectrum analyzer as shown below: Center frequency=DTS channel center frequency Span =1.5 times the DTS bandwidth RBW = 3 kHz ≤ RBW ≤ 100 kHz, VBW ≥ 3 × RBW Sweep time = auto couple Detector = peak Trace mode = max hold
- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 5. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

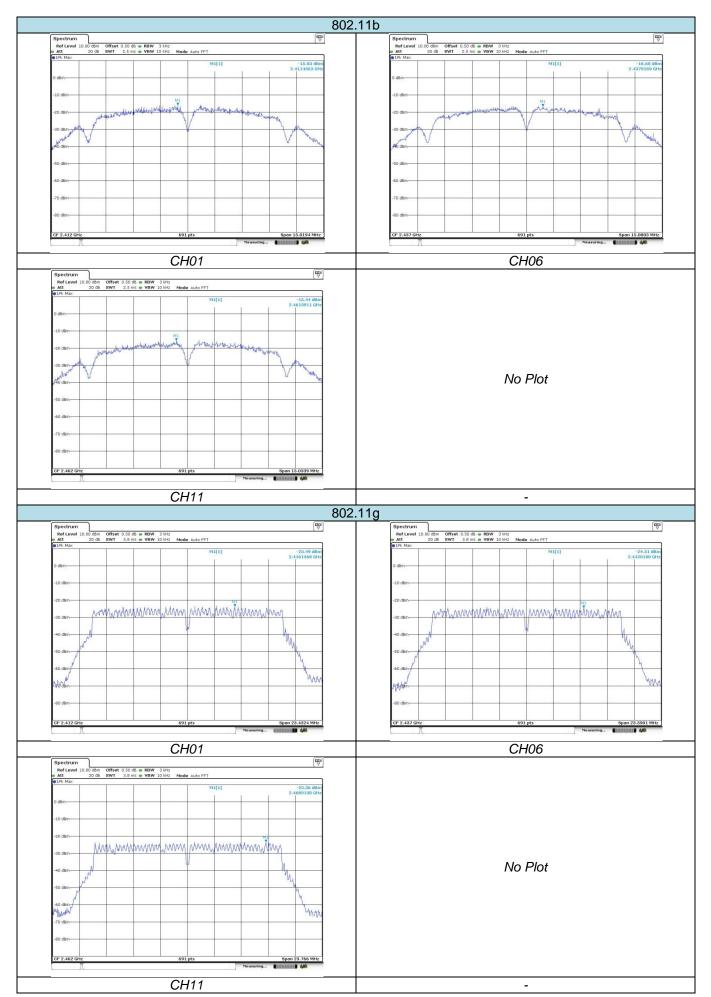
#### TEST MODE:

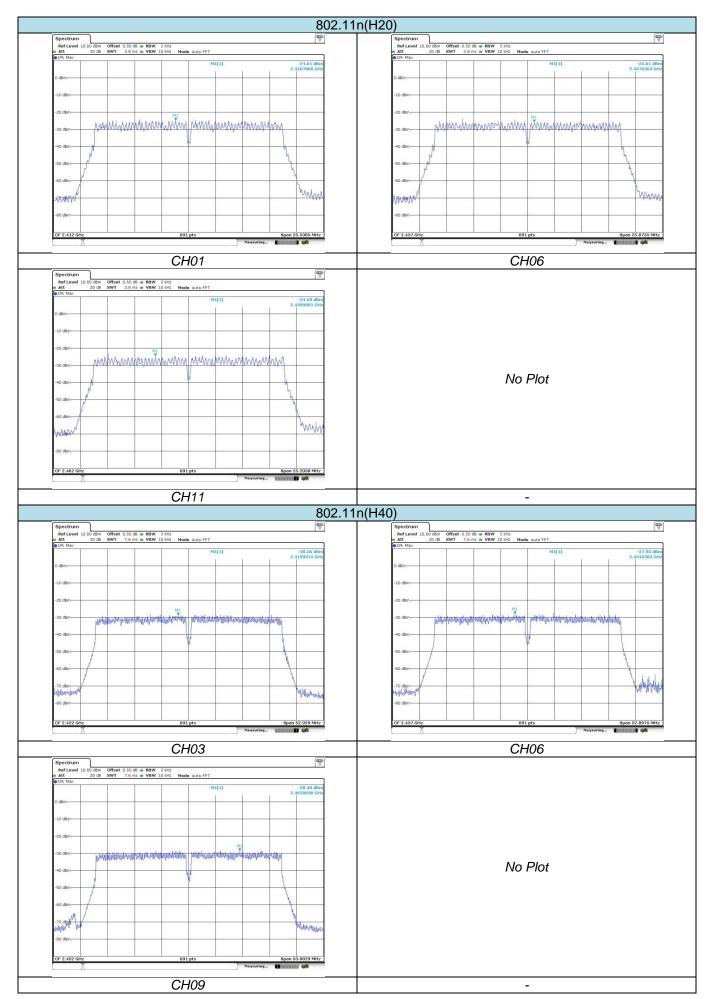
Please refer to the clause 3.3

#### TEST RESULTS

Туре	Channel	Power SpectralDensity(dBm/3KHz)	Limit (dBm/3KHz)	Result	
	01	-15.83			
802.11b	06	-16.60	8.00	Pass	
	11	-15.44			
	01	-23.49			
802.11g	06	-24.51	8.00	Pass	
	11	-23.36			
	01	-24.61			
802.11n(H20)	06	-25.61	8.00	Pass	
	11	-24.39			
	03	-28.56			
802.11n(H40)	06	-27.95	8.00	Pass	
	09	-28.48			

Test plot as follows:



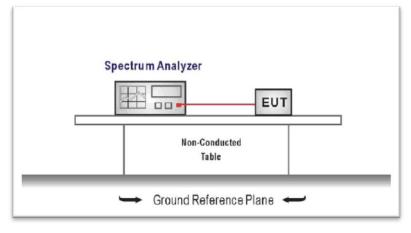


# 5.5. 6dB bandwidthand

#### FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2):

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

#### **TEST CONFIGURATION**



#### TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =DTS channel center frequency Span=2 x DTS bandwidth RBW = 100 kHz, VBW  $\ge$  3 × RBW Sweep time= auto couple Detector = Peak Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

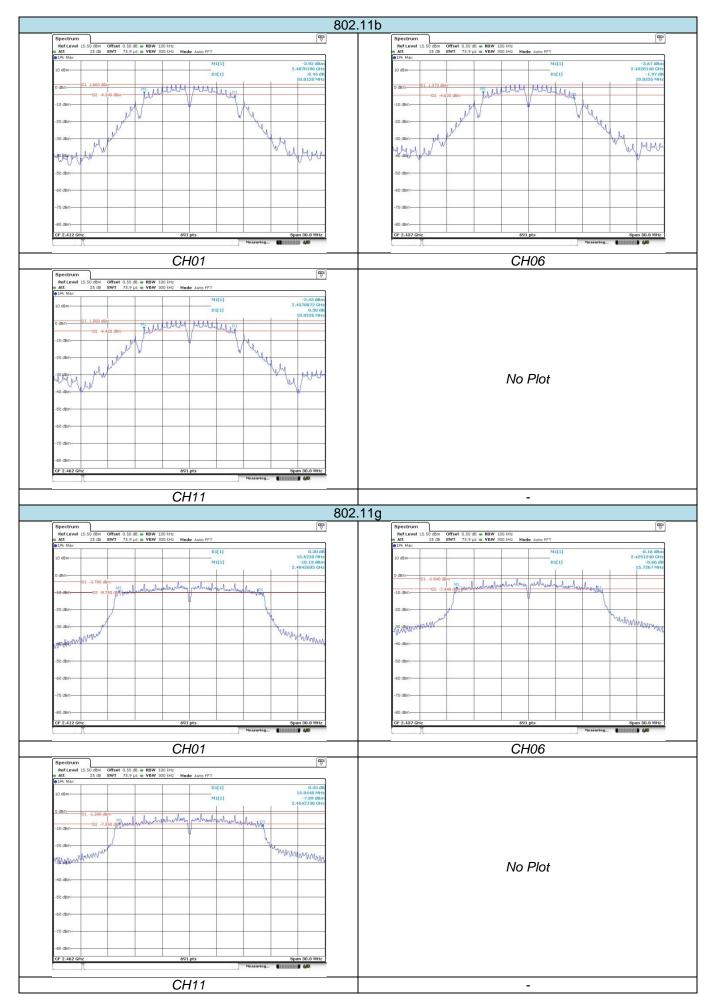
#### TEST MODE:

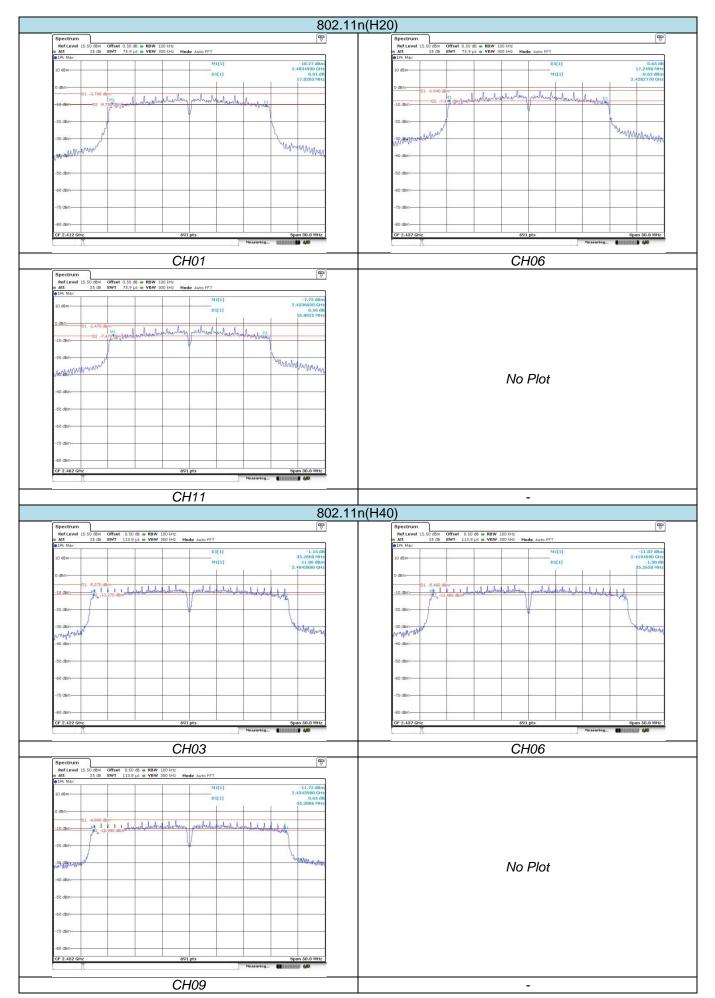
Please refer to the clause 3.3

#### **TEST RESULTS**

Туре	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result	
	01	10.01			
802.11b	06	10.05	≥500	Pass	
	11	10.02			
	01	15.62			
802.11g	06	15.73	≥500	Pass	
	11	15.84			
	01	17.02			
802.11n(H20)	06	17.25	≥500	Pass	
	11	16.80			
	03	35.29			
802.11n(H40)	06	35.27	≥500	Pass	
	09	35.39			

Test plot as follows:





Report Template Version: H00 (2016-08)

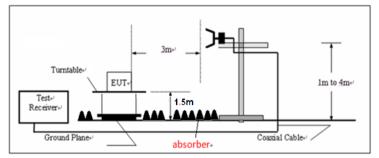
# 5.6. Restricted band

# LIMIT

## FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

# TEST CONFIGURATION



# TEST PROCEDURE

- 1) The EUT was setup and tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
- 2) The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3) The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4) The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
- The receiver set as follow: RBW=1MHz, VBW=3MHz for Peak value RBW=1MHz, VBW=10Hz for Average value.

#### TEST MODE:

Please refer to the clause 3.3

#### TEST RESULTS

# ☑ Passed □ Not Applicable

Note:

1) Final level= Read level + Antenna Factor+ Cable Loss- Preamp Factor

802.11b					CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2389.99	19.02	27.53	6.81	0.00	50.34	74.00	-23.66	Vertical	Peak
2389.99	13.74	27.53	6.81	0.00	48.08	74.00	-25.92	Horizontal	геак
2389.99	8.25	27.53	6.81	0.00	42.59	54.00	-11.41	Vertical	Average
2389.99	9.27	27.53	6.81	0.00	43.57	54.00	-10.43	Horizontal	Average

802.11b	802.11b CH11											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value			
2483.51	11.96	27.85	6.96	0.00	46.77	74.00	-27.23	Vertical	Dook			
2483.51	12.87	27.85	6.96	0.00	47.80	74.00	-26.20	Horizontal	Peak			
2483.51	10.20	27.85	6.96	0.00	45.01	54.00	-8.99	Vertical	A			
2483.51	10.18	27.85	6.96	0.00	44.99	54.00	-9.01	Horizontal	Average			

802.11g	802.11g CH01											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value			
2389.99	13.91	27.53	6.81	0.00	48.25	74.00	-25.75	Vertical	Peak			
2389.99	14.08	27.53	6.81	0.00	48.42	74.00	-25.58	Horizontal	reak			
2389.99	12.01	27.53	6.81	0.00	46.35	54.00	-7.65	Vertical	Average			
2389.99	11.92	27.53	6.81	0.00	46.26	54.00	-7.74	Horizontal	Average			

802.11g					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.51	19.19	27.85	6.96	0.00	54.00	74.00	-20.00	Vertical	Deek
2483.51	19.83	27.85	6.96	0.00	54.64	74.00	-19.36	Horizontal	Peak
2483.51	16.51	27.85	6.96	0.00	51.32	54.00	-2.68	Vertical	A
2483.51	16.56	27.85	6.96	0.00	51.37	54.00	-2.63	Horizontal	Average

802.11n(H2	0)				CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2389.99	14.99	27.53	6.81	0.00	49.33	74.00	-24.67	Vertical	Deels
2389.99	13.44	27.53	6.81	0.00	47.78	74.00	-26.22	Horizontal	Peak
2389.99	10.40	27.53	6.81	0.00	44.74	54.00	-9.26	Vertical	Average
2389.99	8.45	27.53	6.81	0.00	42.79	54.00	-11.21	Horizontal	Average

802.11n(H2	0)				CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.51	12.04	27.85	6.96	0.00	46.85	74.00	-27.15	Vertical	Peak
2483.51	15.81	27.85	6.96	0.00	50.62	74.00	-23.38	Horizontal	Peak
2483.51	14.23	27.85	6.96	0.00	49.04	54.00	-4.96	Vertical	Average
2483.51	13.34	27.85	6.96	0.00	48.15	54.00	-5.85	Horizontal	Average

802.11n(H4	0)				CH03				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2389.99	12.64	27.53	6.81	0.00	46.98	74.00	-27.02	Vertical	Deek
2389.99	13.99	27.53	6.81	0.00	48.33	74.00	-25.67	Horizontal	Peak
2389.99	10.38	27.53	6.81	0.00	44.72	54.00	-9.28	Vertical	Average
2389.99	10.33	27.53	6.81	0.00	44.67	54.00	-9.33	Horizontal	Average

802.11n(H4	0)				CH09				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
2483.51	12.60	27.85	6.96	0.00	47.41	74.00	-26.59	Vertical	Dook
2483.51	11.91	27.85	6.96	0.00	46.72	74.00	-27.28	Horizontal	Peak
2483.51	10.24	27.85	6.96	0.00	45.05	54.00	-8.95	Vertical	Average
2483.51	10.23	27.85	6.96	0.00	45.04	54.00	-8.96	Horizontal	Average

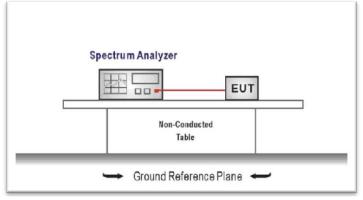
# 5.7. Band edge and Spurious Emission (conducted)

#### LIMIT

### FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

### TEST CONFIGURATION



# TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- Establish a reference level by using the following procedure Center frequency=DTS channel center frequency The span = 1.5 times the DTS bandwidth. RBW = 100 kHz, VBW ≥ 3 x RBW Detector = peak, Sweep time = auto couple, Trace mode = max hold Allow trace to fully stabilize Use the peak marker function to determine the maximum PSD level

Note: the channel found to contain the maximum PSD level can be used to establish the reference level.

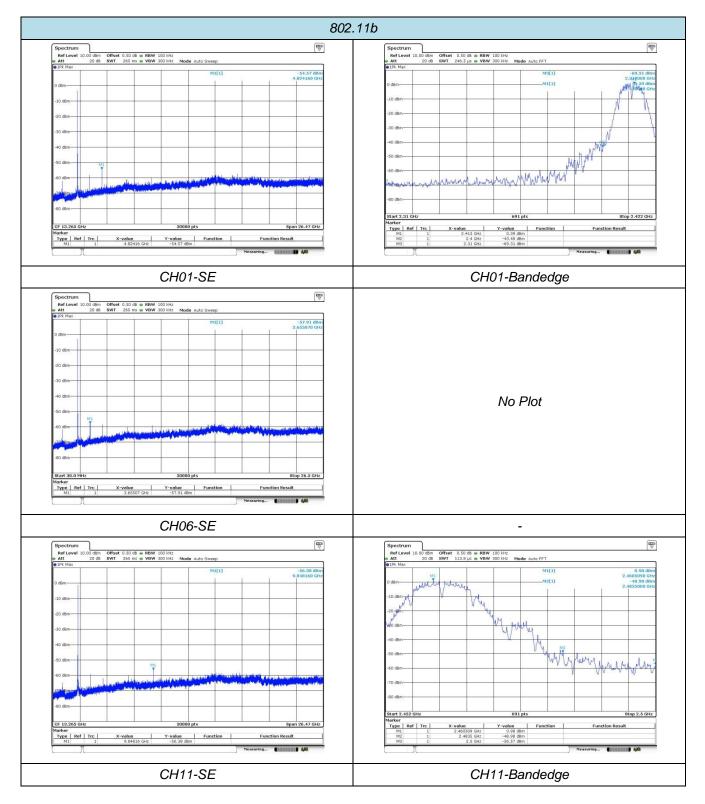
 Emission level measurement Set the center frequency and span to encompass frequency range to be measured RBW = 100 kHz, VBW ≥ 3 x RBW Detector = peak, Sweep time = auto couple, Trace mode = max hold Allow trace to fully stabilize Use the peak marker function to determine the maximum amplitude level.

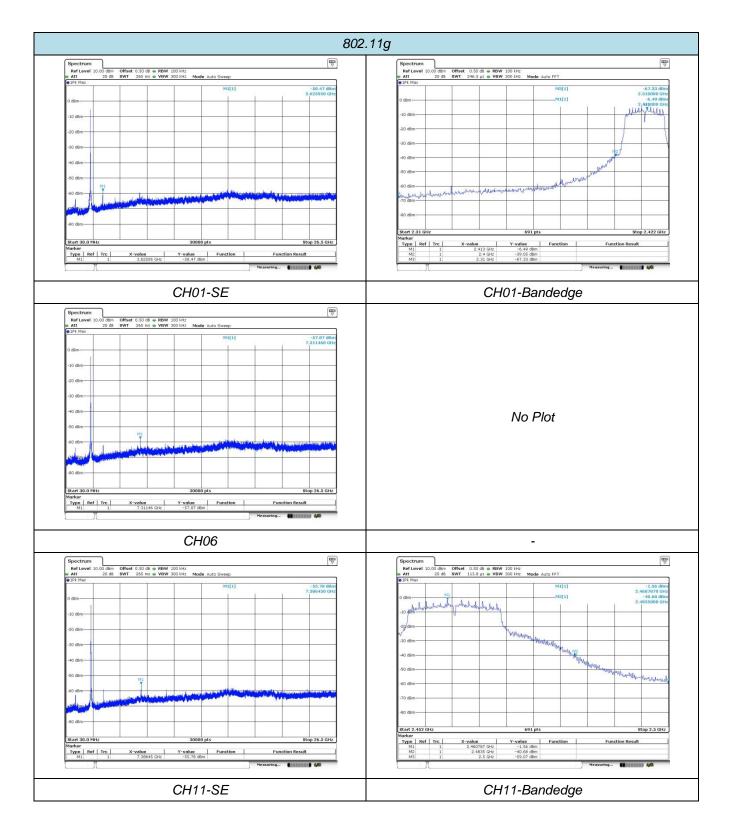
- 4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 5. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emissions relative to the limit.

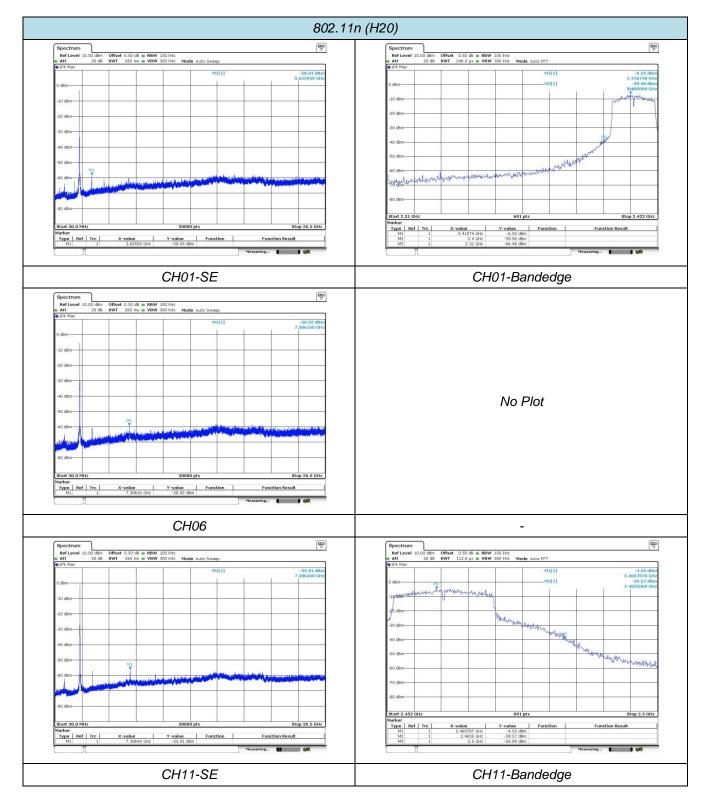
#### TEST MODE:

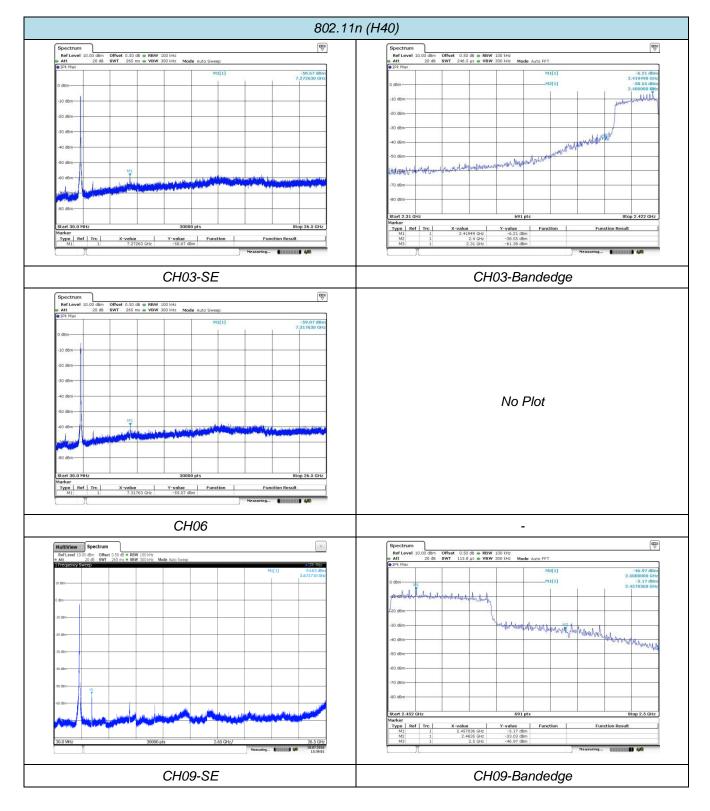
Please refer to the clause 3.3

#### TEST RESULTS









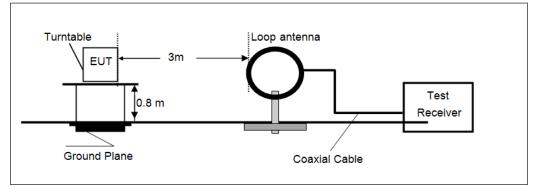
# 5.8. Spurious Emission (radiated)

# FCC CFR Title 47 Part 15 Subpart C Section 15.209

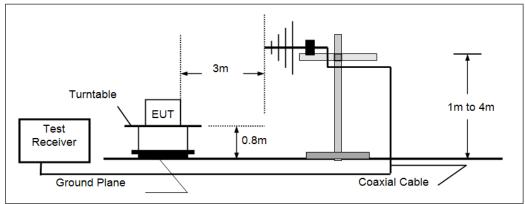
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

#### **TEST CONFIGURATION**

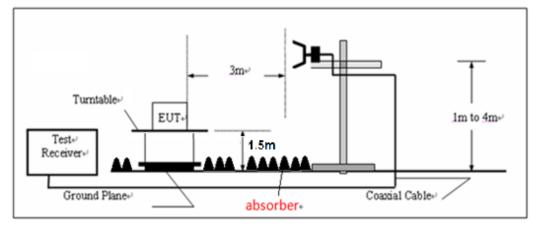
➢ 9KHz ~30MHz



> 30MHz ~ 1GHz



> Above 1GHz



### TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna.
- 5. Use the following spectrum analyzer settings
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Below 1GHz, RBW=120KHz, VBW=300KHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detectoris 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, theemission measurement will be repeated using the quasi-peak detector and reported.
  - (3) Above 1GHz, RBW=1MHz, VBW=3MHz for Peak value RBW=1MHz, VBW=10Hz for Average value.

#### TEST MODE:

Please refer to the clause 3.3

#### TEST RESULTS

#### ☑ Passed □ Not Applicable

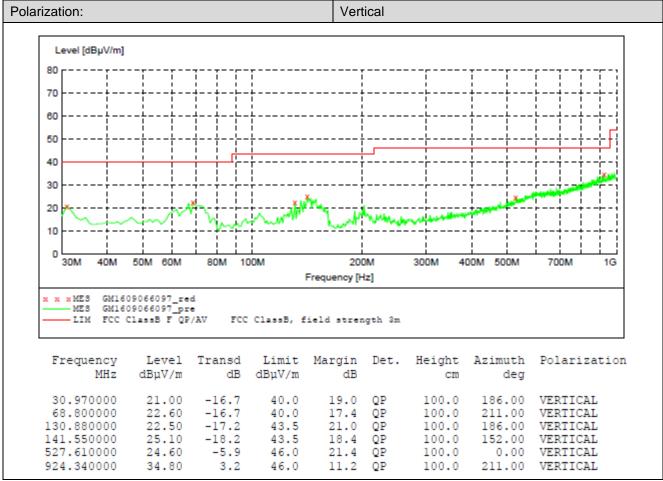
Note:

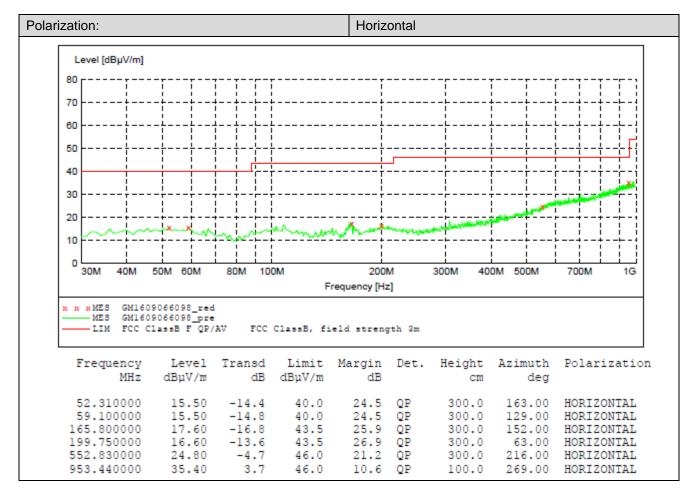
- 1) Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2) "\*", means this data is the too weak instrument of signal is unable to test.
- 3) The emission levels of other frequencies are very lower than the limit and not show in test report.

#### > 9kHz ~ 30MHz

The EUT was pre-scanned the frequency band (9KHz~30MHz), found the radiated level lower than the limit, so don't show on the report.







# Above 1GHz

802.11b	802.11b CH01									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value	
1082.109	36.80	24.30	4.23	36.36	28.97	74.00	-45.03	Vertical		
1737.384	36.36	25.41	5.68	37.05	30.40	74.00	-43.60	Vertical		
3507.652	37.21	28.72	8.80	37.99	36.74	74.00	-37.26	Vertical		
4821.757	35.65	31.09	9.22	38.54	37.42	74.00	-36.58	Vertical		
7245.810	34.71	36.00	10.87	38.11	43.47	74.00	-30.53	Vertical		
10400.860	32.14	38.63	12.81	38.14	45.44	74.00	-28.56	Vertical	Peak	
1017.978	36.89	24.22	4.06	36.28	28.89	74.00	-45.11	Horizontal	геак	
1685.115	35.36	25.27	5.57	37.00	29.20	74.00	-44.80	Horizontal		
2406.584	37.17	27.60	6.84	37.59	34.02	74.00	-39.98	Horizontal		
3873.749	35.89	29.31	8.66	37.99	35.87	74.00	-38.13	Horizontal		
7245.810	32.13	36.00	10.87	38.11	40.89	74.00	-33.11	Horizontal		
10888.510	30.94	39.08	13.16	38.14	45.04	74.00	-28.96	Horizontal		

802.11b	802.11b CH06								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1104.371	36.43	24.32	4.29	36.39	28.65	74.00	-45.35	Vertical	
1711.050	36.49	25.34	5.63	37.03	30.43	74.00	-43.57	Vertical	
3690.853	35.49	29.02	8.72	37.99	35.24	74.00	-38.76	Vertical	
4034.777	36.53	29.60	8.63	38.02	36.74	74.00	-37.26	Vertical	
7338.621	35.10	36.08	10.90	38.13	43.95	74.00	-30.05	Vertical	
10860.830	31.24	39.04	13.14	38.14	45.28	74.00	-28.72	Vertical	Peak
1267.104	36.74	24.49	4.69	36.59	29.33	74.00	-44.67	Horizontal	reak
1773.127	36.24	25.51	5.75	37.08	30.42	74.00	-43.58	Horizontal	
2223.977	35.00	26.96	6.54	37.45	31.05	74.00	-42.95	Horizontal	
4883.519	35.15	31.14	9.26	38.58	36.97	74.00	-37.03	Horizontal	
7338.621	42.73	36.08	10.90	38.13	51.58	74.00	-22.42	Horizontal	
12024.960	31.96	39.10	13.74	37.61	47.19	74.00	-26.81	Horizontal	

802.11b					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1286.606	36.88	24.51	4.73	36.61	29.51	74.00	-44.49	Vertical	
1795.839	36.13	25.58	5.79	37.10	30.40	74.00	-43.60	Vertical	
4524.468	34.07	30.92	9.00	38.35	35.64	74.00	-38.36	Vertical	
6235.364	32.89	34.08	10.04	37.94	39.07	74.00	-34.93	Vertical	
7413.726	42.99	36.13	10.93	38.14	51.91	74.00	-22.09	Vertical	
12210.020	30.93	39.14	13.80	37.74	46.13	74.00	-27.87	Vertical	Peak
1702.361	36.28	25.32	5.61	37.02	30.19	74.00	-43.81	Horizontal	reak
3607.257	35.72	28.89	8.75	37.99	35.37	74.00	-38.63	Horizontal	
5703.861	31.90	32.72	9.68	38.11	36.19	74.00	-37.81	Horizontal	
7413.726	43.03	36.13	10.93	38.14	51.95	74.00	-22.05	Horizontal	
10778.210	31.49	38.98	13.09	38.14	45.42	74.00	-28.58	Horizontal	
11603.960	30.73	39.10	13.55	37.82	45.56	74.00	-28.44	Horizontal	

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11g					CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1267.104	35.74	24.49	4.69	36.59	28.33	74.00	-45.67	Vertical	
1737.384	36.36	25.41	5.68	37.05	30.40	74.00	-43.60	Vertical	
3507.652	37.21	28.72	8.80	37.99	36.74	74.00	-37.26	Vertical	
4821.757	35.65	31.09	9.22	38.54	37.42	74.00	-36.58	Vertical	
7245.810	34.71	36.00	10.87	38.11	43.47	74.00	-30.53	Vertical	
11226.250	31.72	39.15	13.35	38.02	46.20	74.00	-27.80	Vertical	Peak
1017.978	36.89	24.22	4.06	36.28	28.89	74.00	-45.11	Horizontal	reak
1254.268	36.32	24.48	4.66	36.58	28.88	74.00	-45.12	Horizontal	
1685.115	35.36	25.27	5.57	37.00	29.20	74.00	-44.80	Horizontal	
4821.757	34.82	31.09	9.22	38.54	36.59	74.00	-37.41	Horizontal	
5703.861	33.07	32.72	9.68	38.11	37.36	74.00	-36.64	Horizontal	
10860.830	30.82	39.04	13.14	38.14	44.86	74.00	-29.14	Horizontal	

802.11g	802.11g CH06								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1104.371	36.43	24.32	4.29	36.39	28.65	74.00	-45.35	Vertical	
1668.044	35.50	25.22	5.54	36.99	29.27	74.00	-44.73	Vertical	
3291.385	35.81	28.62	8.55	37.99	34.99	74.00	-39.01	Vertical	
5151.676	33.92	31.56	9.43	38.53	36.38	74.00	-37.62	Vertical	
7338.621	35.10	36.08	10.90	38.13	43.95	74.00	-30.05	Vertical	
9660.722	32.50	38.20	12.17	38.08	44.79	74.00	-29.21	Vertical	Peak
1340.089	36.54	24.56	4.85	36.67	29.28	74.00	-44.72	Horizontal	reak
1773.127	36.24	25.51	5.75	37.08	30.42	74.00	-43.58	Horizontal	
3128.013	36.52	28.56	8.34	37.99	35.43	74.00	-38.57	Horizontal	
4883.519	35.15	31.14	9.26	38.58	36.97	74.00	-37.03	Horizontal	
7338.621	42.73	36.08	10.90	38.13	51.58	74.00	-22.42	Horizontal	
10587.850	32.99	38.76	12.94	38.14	46.55	74.00	-27.45	Horizontal	

802.11g					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1286.606	36.88	24.51	4.73	36.61	29.51	74.00	-44.49	Vertical	
1597.401	35.05	25.01	5.40	36.92	28.54	74.00	-45.46	Vertical	
2081.550	35.80	26.43	6.30	37.32	31.21	74.00	-42.79	Vertical	
3552.582	35.28	28.80	8.78	37.99	34.87	74.00	-39.13	Vertical	
6172.197	31.46	33.88	9.95	37.93	37.36	74.00	-36.64	Vertical	
7413.726	42.99	36.13	10.93	38.14	51.91	74.00	-22.09	Vertical	Peak
1141.528	36.13	24.36	4.38	36.44	28.43	74.00	-45.57	Horizontal	reak
1585.248	34.79	24.97	5.37	36.91	28.22	74.00	-45.78	Horizontal	
3010.828	36.09	28.50	8.18	37.99	34.78	74.00	-39.22	Horizontal	
4478.633	33.44	30.86	8.97	38.32	34.95	74.00	-39.05	Horizontal	
6799.064	31.74	35.52	10.59	38.03	39.82	74.00	-34.18	Horizontal	
7413.726	43.03	36.13	10.93	38.14	51.95	74.00	-22.05	Horizontal	

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n(H2	0)				CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1267.104	35.74	24.49	4.69	36.59	28.33	74.00	-45.67	Vertical	
1737.384	36.36	25.41	5.68	37.05	30.40	74.00	-43.60	Vertical	
3507.652	37.21	28.72	8.80	37.99	36.74	74.00	-37.26	Vertical	
4821.757	35.65	31.09	9.22	38.54	37.42	74.00	-36.58	Vertical	
7245.810	34.71	36.00	10.87	38.11	43.47	74.00	-30.53	Vertical	
11226.250	31.72	39.15	13.35	38.02	46.20	74.00	-27.80	Vertical	Dook
1017.978	36.89	24.22	4.06	36.28	28.89	74.00	-45.11	Horizontal	Peak
1254.268	36.32	24.48	4.66	36.58	28.88	74.00	-45.12	Horizontal	
1685.115	35.36	25.27	5.57	37.00	29.20	74.00	-44.80	Horizontal	
4821.757	34.82	31.09	9.22	38.54	36.59	74.00	-37.41	Horizontal	
5703.861	33.07	32.72	9.68	38.11	37.36	74.00	-36.64	Horizontal	
10860.830	30.82	39.04	13.14	38.14	44.86	74.00	-29.14	Horizontal	

802.11n(H2	0)				CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1104.371	36.43	24.32	4.29	36.39	28.65	74.00	-45.35	Vertical	
1668.044	35.50	25.22	5.54	36.99	29.27	74.00	-44.73	Vertical	
3291.385	35.81	28.62	8.55	37.99	34.99	74.00	-39.01	Vertical	
5151.676	33.92	31.56	9.43	38.53	36.38	74.00	-37.62	Vertical	
7338.621	35.10	36.08	10.90	38.13	43.95	74.00	-30.05	Vertical	
9660.722	32.50	38.20	12.17	38.08	44.79	74.00	-29.21	Vertical	Dook
1340.089	36.54	24.56	4.85	36.67	29.28	74.00	-44.72	Horizontal	Peak
1773.127	36.24	25.51	5.75	37.08	30.42	74.00	-43.58	Horizontal	
3128.013	36.52	28.56	8.34	37.99	35.43	74.00	-38.57	Horizontal	
4883.519	35.15	31.14	9.26	38.58	36.97	74.00	-37.03	Horizontal	
7338.621	42.73	36.08	10.90	38.13	51.58	74.00	-22.42	Horizontal	
10587.850	32.99	38.76	12.94	38.14	46.55	74.00	-27.45	Horizontal	

802.11n(H2	0)				CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1286.606	36.88	24.51	4.73	36.61	29.51	74.00	-44.49	Vertical	
1597.401	35.05	25.01	5.40	36.92	28.54	74.00	-45.46	Vertical	
2081.550	35.80	26.43	6.30	37.32	31.21	74.00	-42.79	Vertical	
3552.582	35.28	28.80	8.78	37.99	34.87	74.00	-39.13	Vertical	
6172.197	31.46	33.88	9.95	37.93	37.36	74.00	-36.64	Vertical	
7413.726	42.99	36.13	10.93	38.14	51.91	74.00	-22.09	Vertical	Deek
1141.528	36.13	24.36	4.38	36.44	28.43	74.00	-45.57	Horizontal	Peak
1585.248	34.79	24.97	5.37	36.91	28.22	74.00	-45.78	Horizontal	
3010.828	36.09	28.50	8.18	37.99	34.78	74.00	-39.22	Horizontal	
4478.633	33.44	30.86	8.97	38.32	34.95	74.00	-39.05	Horizontal	
6799.064	31.74	35.52	10.59	38.03	39.82	74.00	-34.18	Horizontal	
7413.726	43.03	36.13	10.93	38.14	51.95	74.00	-22.05	Horizontal	

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n(H4	0)				CH03				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1082.109	36.80	24.30	4.23	36.36	28.97	74.00	-45.03	Vertical	
1737.384	36.36	25.41	5.68	37.05	30.40	74.00	-43.60	Vertical	
3507.652	37.21	28.72	8.80	37.99	36.74	74.00	-37.26	Vertical	
4821.757	35.65	31.09	9.22	38.54	37.42	74.00	-36.58	Vertical	
7245.810	34.71	36.00	10.87	38.11	43.47	74.00	-30.53	Vertical	1
9228.060	33.27	37.99	11.82	38.00	45.08	74.00	-28.92	Vertical	Deek
1254.268	36.32	24.48	4.66	36.58	28.88	74.00	-45.12	Horizontal	Peak
2135.217	34.70	26.61	6.40	37.37	30.34	74.00	-43.66	Horizontal	
3151.992	36.74	28.56	8.38	37.99	35.69	74.00	-38.31	Horizontal	
5703.861	33.07	32.72	9.68	38.11	37.36	74.00	-36.64	Horizontal	
9134.575	32.87	37.95	11.76	37.98	44.60	74.00	-29.40	Horizontal	
11341.140	31.19	39.13	13.40	37.96	45.76	74.00	-28.24	Horizontal	

802.11n(H4	0)				CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1104.371	36.43	24.32	4.29	36.39	28.65	74.00	-45.35	Vertical	
1711.050	36.49	25.34	5.63	37.03	30.43	74.00	-43.57	Vertical	
4034.777	36.53	29.60	8.63	38.02	36.74	74.00	-37.26	Vertical	
5925.863	32.16	33.09	9.74	37.95	37.04	74.00	-36.96	Vertical	
7117.842	31.91	35.9	10.82	38.08	40.55	74.00	-33.45	Vertical	
7338.621	35.10	36.08	10.90	38.13	43.95	74.00	-30.05	Vertical	Dook
1267.104	36.74	24.49	4.69	36.59	29.33	74.00	-44.67	Horizontal	Peak
1773.127	36.24	25.51	5.75	37.08	30.42	74.00	-43.58	Horizontal	
3525.555	36.81	28.75	8.79	37.99	36.36	74.00	-37.64	Horizontal	
6833.768	31.47	35.58	10.62	38.04	39.63	74.00	-34.37	Horizontal	
7338.621	42.73	36.08	10.90	38.13	51.58	74.00	-22.42	Horizontal	
10587.850	32.99	38.76	12.94	38.14	46.55	74.00	-27.45	Horizontal	

802.11n(H4	0)				CH09				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1286.606	36.88	24.51	4.73	36.61	29.51	74.00	-44.49	Vertical	
1795.839	36.13	25.58	5.79	37.10	30.40	74.00	-43.60	Vertical	
3436.944	35.69	28.68	8.73	37.99	35.11	74.00	-38.89	Vertical	
6172.197	31.46	33.88	9.95	37.93	37.36	74.00	-36.64	Vertical	
7413.726	42.99	36.13	10.93	38.14	51.91	74.00	-22.09	Vertical	
9088.188	33.72	37.94	11.75	37.97	45.44	74.00	-28.56	Vertical	Deek
1141.528	36.13	24.36	4.38	36.44	28.43	74.00	-45.57	Horizontal	Peak
1702.361	36.28	25.32	5.61	37.02	30.19	74.00	-43.81	Horizontal	
3607.257	35.72	28.89	8.75	37.99	35.37	74.00	-38.63	Horizontal	
7081.697	31.83	35.87	10.8	38.08	40.42	74.00	-33.58	Horizontal	
7413.726	43.03	36.13	10.93	38.14	51.95	74.00	-22.05	Horizontal	
10778.210	31.49	38.98	13.09	38.14	45.42	74.00	-28.58	Horizontal	

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

## 6. <u>Test Setup Photos of the EUT</u>

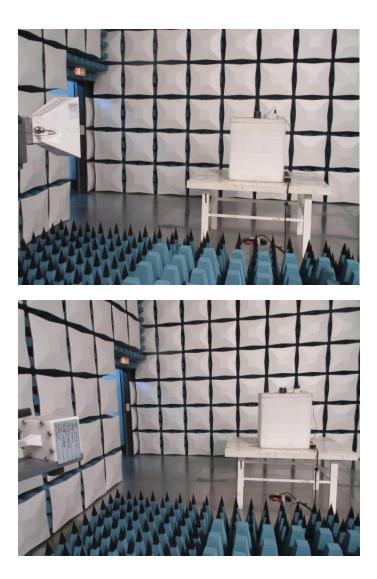
Conducted Emission(AC Mains)



**Radiated Emission** 







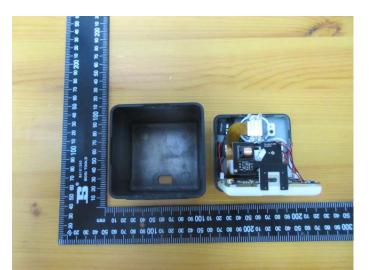
## 7. External and Internal Photos of the EUT

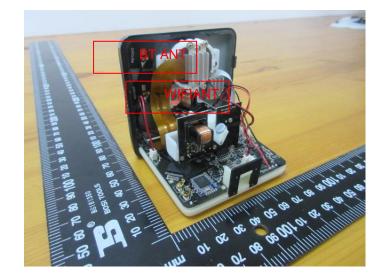


## External photos



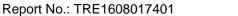
## Internal photos







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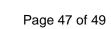


**BOSI TOOL** 

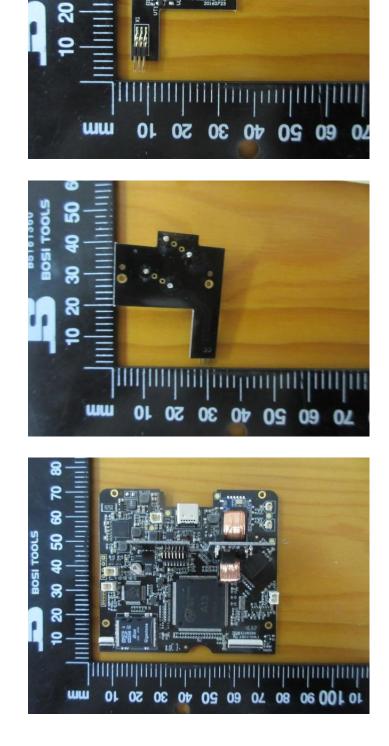
5

9

8

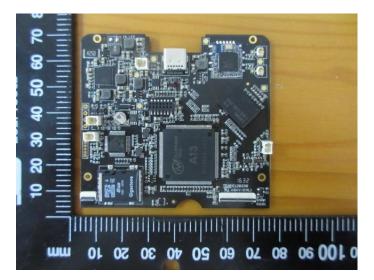


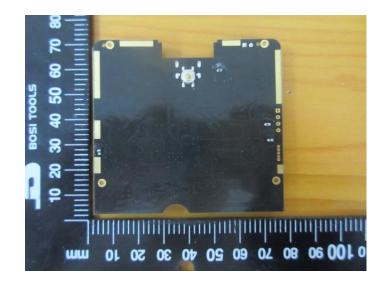












.....End of Report.....