

# **TEST REPORT**

FCC ID: YPVITALCOMCLICK

**Product: Smart phone** 

Model No.: Click

**Additional Model No.: -**

**Trade Mark: NYX** 

Report No.: TCT180228E010

Issued Date: February 27, 2018

Issued for:

ITALCOM GROUP
1728 Coral Way, Coral Gables, Miami, Florida, United States

Issued By:

Shenzhen Tongce Testing Lab.

1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,
Shenzhen, Guangdong, China

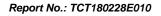
TEL: +86-755-27673339

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## **TABLE OF CONTENTS**

1.	Test Certification				3
2.	Test Result Summary			,,	4
3.	EUT Description			<u>(G)</u>	5
4.	Genera Information				
	4.1. TEST ENVIRONMENT AND MODE				
	4.2. DESCRIPTION OF SUPPORT UNITS		<u>(Ci.)</u>		8
5.	Facilities and Accreditations				9
	5.1. FACILITIES				9
	5.2. LOCATION				
	5.3. MEASUREMENT UNCERTAINTY				9
6.	Test Results and Measurement Data				10
	6.1. ANTENNA REQUIREMENT				10
	6.2. CONDUCTED EMISSION				11
	6.3. MAXIMUM CONDUCTED OUTPUT POWER				15
	6.4. 26DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH				
	6.5. POWER SPECTRAL DENSITY	()			23
	6.6. BAND EDGE				29
	6.7. Spurious Emission				
	6.8. FREQUENCY STABILITY MEASUREMENT				41
Ap	pendix A: Photographs of Test Setup				
Ар	pendix B: Photographs of EUT				
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### 1. Test Certification

Product:	Smart phone			
Model No.:	Click			
Additional Model No.:	- (d) (d)			
Trade Mark:	NYX			
Applicant:	ITALCOM GROUP			
Address:	1728 Coral Way, Coral Gables, Miami, Florida, United States			
Manufacturer:	UTCOM TECHNOLOGY CO.,LIMITED			
Address:	4C,Block A,Central Avenue Building,BaoYuan Road,Xixiang Town,Baoan District,Shenzhen,518012			
Date of Test:	January 31,2018-February 26,2018			
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart E Section 15.407: 2017 ANSI C63.10-2013 KDB789033 D02 General U-NII Test Procedures New Rules v02r01			

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By: Date: January 30, 2018

Brews XII

Tomsin

Reviewed By:

January

Date: 31,2018-February
26,2018

Approved By: Date: February 27,2018



# 2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Maximum Conducted Output Power	§15.407(a) §2.1046	PASS
26dB Emission Bandwidth& 99% Occupied Bandwidth	§15.407(a) §2.1049	PASS
Power Spectral Density	§15.407(a)	PASS
Band edge	§15.407(a)	PASS
Radiated Emission	§15.407(a) §2.1053	PASS
Frequency Stability	§15.407(g) §2.1055	PASS

### Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.



# 3. EUT Description

Product:	Smart phone
Model No.:	Click
Additional Model No.:	-
Trade Mark:	NYX
Operation Frequency:	Band I: 5180MHz-5240MHz; 5190MHz-5230MHz
Channel Bandwidth:	802.11a/n(HT20): 20MHz 802.11n(HT40): 40MHz
Modulation Technology:	Orthogonal Frequency Division Multiplexing(OFDM)
Modulation Type	BPSK, QPSK, 16QAM, 64QAM
Antenna Type:	1 Transmit, 1 Receive
Antenna Gain:	1.0 dBi
Power Supply: DC 3.7V for internal battery	
Adapter:	Input: 100-240Va.c., 50-60Hz, 0.15A Output: 5Vd.c., 500mA



## **Operation Frequency each of channel**

20MHz		40MHz		
Channel Frequency		Channel	Frequency	
36 5180		38	5190	
40 5200		46	5230	
44	5220			
48	5240	X\		

#### Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n (HT20)

- 4						
	Band I (5150 - 5250 MHz)					
	Channel Channel		Frequency (MHz)			
	36	Low	5180			
	44	Mid	5220			
	48	High	5240			

For 802.11n (HT40)

Band I (5150 - 5250 MHz)						
Channel Number	Channel	Frequency (MHz)				
38	Low	5190				
46	High	5230				



### 4. Genera Information

### 4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 100%)

The sample was placed 0.8m/1.5m for blow/above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate	
802.11a	6 Mbps	
802.11n(HT20)	MCS0	
802.11n(HT40)	MCS0	

Final	l Test I	V	0	d	e:

Operation mode:	Keep the EUT in continuous transmitting		
	with modulation		

Page 7 of 45



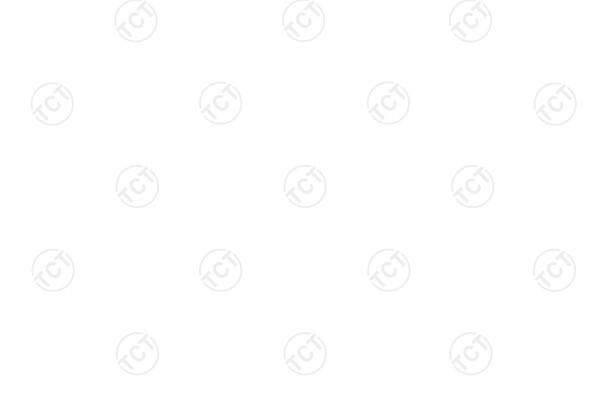
## 4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	1

#### Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



Page 8 of 45

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### 5. Facilities and Accreditations

### 5.1. Facilities

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

• FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

### 5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,

Shenzhen, Guangdong, China

TEL: +86-755-27673339

### 5.3. 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 %.

No.	Item	MU
1	Conducted Emission	±2.56dB
2	RF power, conducted	±0.12dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.92dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%



### 6. Test Results and Measurement Data

## 6.1. Antenna requirement

**Standard requirement:** FCC Part15 C Section 15.203 /247(c)

15.203 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, 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.

### **E.U.T Antenna:**

The directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.





## 6.2. Conducted Emission

## 6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207			
Test Method:	ANSI C63.10:2013	(0)	(C)		
Frequency Range:	150 kHz to 30 MHz				
Receiver setup:	RBW=9 kHz, VBW=30	) kHz, Sweep time	=auto		
	Frequency range	Limit (d	dBuV)		
	(MHz)	Quasi-peak	Áverage		
Limits:	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	5-30	60	50		
	Reference	e Plane			
Test Setup:    Com					
Test Mode:	Tx Mode				
Test Procedure:	power through a lin (L.I.S.N.). This primpedance for the norm 2. The peripheral device power through a Loupling impedance refer to the block photographs).  3. Both sides of A.C. conducted interfere emission, the relative the interface cable.	<ol> <li>The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and</li> </ol>			
Test Result:	PASS				



### 6.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Test Receiver	R&S	ESPI	101401	Jun. 12, 2018			
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 27, 2018			
Coax cable (9KHz-30MHz)	тст	CE-05	N/A	Sep. 27, 2018			
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A			

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

Page 12 of 45

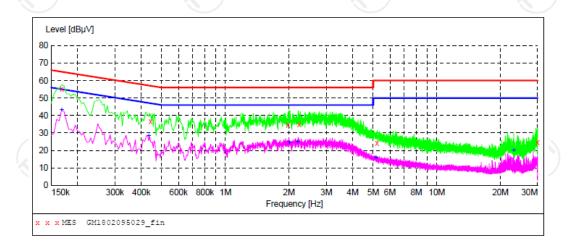
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### 6.2.3. Test data

### Please refer to following diagram for individual

### Conducted Emission on Line Terminal of the power line



#### MEASUREMENT RESULT: "GM1802095029\_fin"

9/2018 2:00	PM						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.168000	55.40	10.0	65	9.7	OP	L1	GND
0.442500	36.60	9.9	57	20.4	QP	L1	GND
1.972500	34.60	10.1	56	21.4	QP	L1	GND
2.229000	35.10	10.1	56	20.9	QP	L1	GND
5.217000	24.20	10.2	60	35.8	QP	L1	GND
29.935500	24.40	10.9	60	35.6	QP	L1	GND
	Frequency MHz 0.168000 0.442500 1.972500 2.229000 5.217000	MHz dBμV  0.168000 55.40 0.442500 36.60 1.972500 34.60 2.229000 35.10 5.217000 24.20	Frequency MHz dBW dB  0.168000 55.40 10.0  0.442500 36.60 9.9  1.972500 34.60 10.1  2.229000 35.10 10.1  5.217000 24.20 10.2	Frequency MHz dBμV dB Limit dBμV dB dBμV 0.168000 55.40 10.0 65 0.442500 36.60 9.9 57 1.972500 34.60 10.1 56 2.229000 35.10 10.1 56 5.217000 24.20 10.2 60	Frequency MHz dBµV dB Limit Margin dB 0.168000 55.40 10.0 65 9.7 0.442500 36.60 9.9 57 20.4 1.972500 34.60 10.1 56 21.4 2.229000 35.10 10.1 56 20.9 5.217000 24.20 10.2 60 35.8	Frequency MHz dBμV dB dBμV dB Detector dBμV dBμV dB Detector dBμV dBμV dB Detector dBμV dBμV dBμV dBμV dBμV dBμV dBμV dBμV	Frequency MHz dBµV dB Limit Margin Detector Line dBµV dB dBµV dB Detector Line 0.168000 55.40 10.0 65 9.7 QP L1 0.442500 36.60 9.9 57 20.4 QP L1 1.972500 34.60 10.1 56 21.4 QP L1 2.229000 35.10 10.1 56 20.9 QP L1 5.217000 24.20 10.2 60 35.8 QP L1

### MEASUREMENT RESULT: "GM1802095029\_fin2"

2/	9/2018 2:00 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	0.168000	43.20	10.0	55	11.9	AV	L1	GND
	0.433500	28.20	9.9	47	19.0	AV	L1	GND
	2.004000	24.40	10.1	46	21.6	AV	L1	GND
	2.193000	25.00	10.1	46	21.0	AV	L1	GND
	5.154000	15.70	10.2	50	34.3	AV	L1	GND
	23.127000	19.90	10.7	50	30.1	AV	L1	GND

#### Remark:

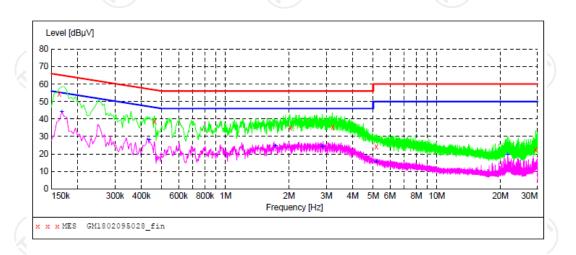
Transd = Cable lose+ PULSE LIMITER factor + ARTIFICIAL MAINS factor; Margin= Limit - Level

Page 13 of 45

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### **Conducted Emission on Neutral Terminal of the power line**



#### MEASUREMENT RESULT: "GM1802095028\_fin"

2/	/9/2018 1:57	PM						
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	0.163500	54.50	10.0	65	10.8	QP	N	GND
	0.460500	38.70	9.9	57	18.0	QP	N	GND
	2.026500	34.80	10.1	56	21.2	QP	N	GND
	3.214500	35.20	10.1	56	20.8	QP	N	GND
	5.167500	24.00	10.2	60	36.0	QP	N	GND
	29.377500	22.40	10.9	60	37.6	QP	N	GND

### MEASUREMENT RESULT: "GM1802095028\_fin2"

2/	9/2018 1:57	PM						
	Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	0.168000	44.10	10.0	55	11.0	AV	N	GND
	0.433500	27.80	9.9	47	19.4	AV	N	GND
	1.720500	24.40	10.1	46	21.6	AV	N	GND
	2.863500	24.20	10.1	46	21.8	AV	N	GND
	5.172000	15.30	10.2	50	34.7	AV	N	GND
	21.660000	19.70	10.7	50	30.3	AV	N	GND

#### Remark:

Transd = Cable lose+ PULSE LIMITER factor + ARTIFICIAL MAINS factor; Margin= Limit - Level





## 6.3. Maximum Conducted Output Power

## 6.3.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407(a)& Part 2 J Section 2.1046			
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E			
	Frequency Band (MHz)	Limit		
	5150-5250	250mW for client devices		
Limit:	5725-5850	1 W		
	Note: For those cases where it is specified that the conducted output power be reduced by the amount in dB that the directional gain of the transmitting antenna exceeds 6 dBi, the output power effective limit shall be calculated as follows in Equation:  Pout = PLimit - ( directional gain - 6)			
Test Setup:	Power meter EUT			
Test Mode:	Transmitting mode w	vith modulation		
Test Procedure:	<ol> <li>The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02 Section E, 3, a</li> <li>The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Measure the conducted output power and record the results in the test report.</li> </ol>			
Test Result:	PASS			
Remark:	+10log(1/x) X is duty	ower= measurement power cycle=1, so 10log(1/1)=0 ower= measurement power		



### 6.3.2. Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018			
Power Meter	Agilent	N1911A	MY45101557	Sep. 27, 2018			
Power Sensor	Agilent	N1922A	MY44124432	Sep. 27, 2018			
RF Cable (9KHz-40GHz)	тст	RE-03	N/A	Sep. 27, 2018			
Antenna Connector	TCT	RFC-03	N/A	Sep. 27, 2018			

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



Page 16 of 45

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### 6.3.3. Test Data

Configuration Band I (5150 - 5250 MHz )						
Mode	Test channel	Maximum Conducted Output Power (dBm)	FCC Limit (dBm)	Result		
11a	CH36	17.86	24	PASS		
11a	CH40	15.94	24	PASS		
11a	CH48	16.61	24	PASS		
11n(HT20)	CH36	15.81	24	PASS		
11n(HT20)	CH40	14.07	24	PASS		
11n(HT20)	CH48	14.75	24	PASS		
11n(HT40)	CH38	13.11	24	PASS		
11n(HT40)	CH46	12.53	24	PASS		



## 6.4. 26dB Bandwidth and 99% Occupied Bandwidth

## 6.4.1. Test Specification

Test Requirement:	47 CFR Part 15C Section 15.407 (a)& Part 2 J Section 2.1049				
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02 Section D				
Limit:	No restriction limits				
Test Setup:	Spectrum Analyzer EUT				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	<ol> <li>KDB789033 D02 General UNII Test Procedures New Rules v02 Section D</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement.</li> <li>Measure and record the results in the test report.</li> </ol>				
Test Result:	PASS				

### 6.4.2. Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018			
RF Cable (9KHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018			
Antenna Connector	тст	RFC-01	N/A	Sep. 27, 2018			

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

Page 18 of 45



### 6.4.3. Test data

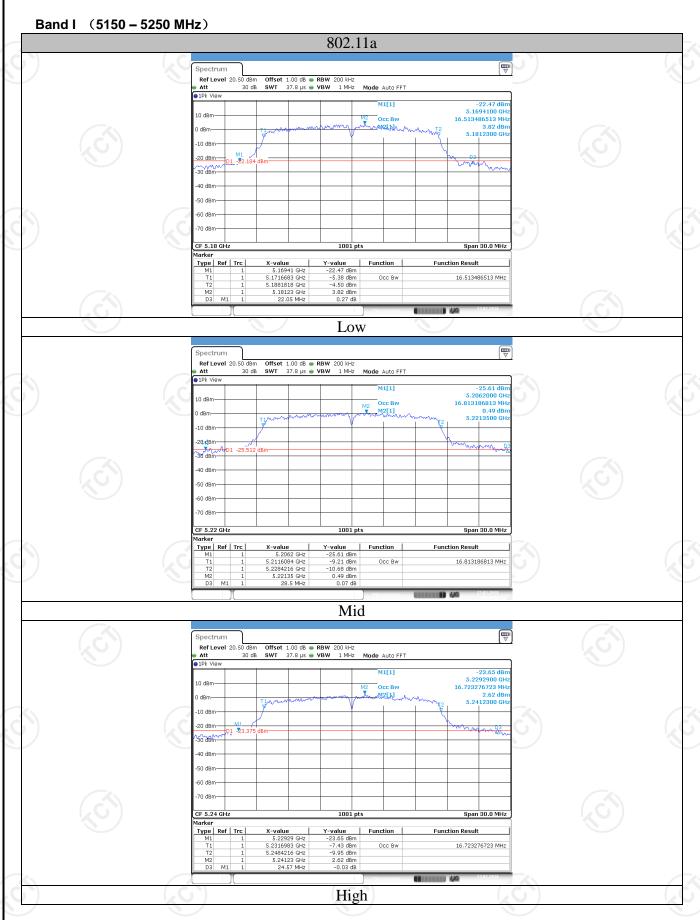
### Band I

Mode	Test channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	5180	22.05	16.51
11a	CH44	5220	28.50	16.81
11a	CH48	5240	24.57	16.72
11n(HT20)	CH36	5180	19.74	17.59
11n(HT20)	CH44	5220	20.52	17.62
11n(HT20)	CH48	5240	22.05	17.56
11n(HT40)	CH38	5190	40.80	36.32
11n(HT40)	CH46	5230	49.86	36.44

Test plots as follows:



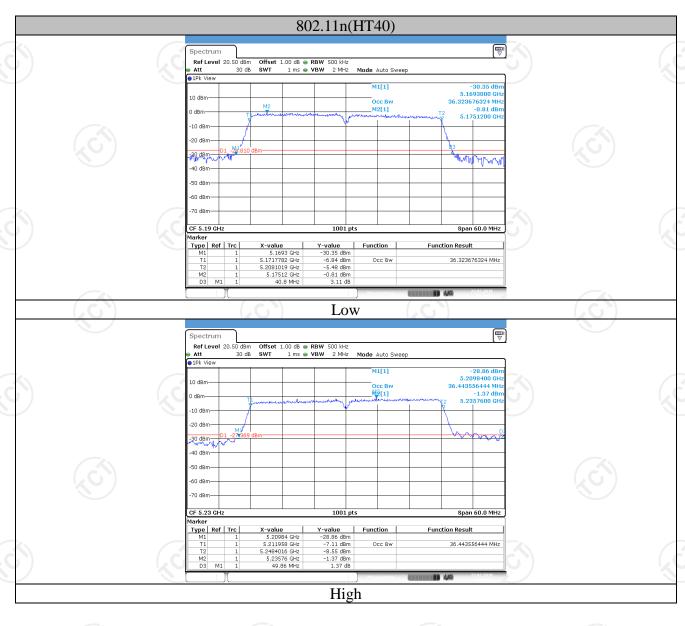














## 6.5. Power Spectral Density

## 6.5.1. Test Specification

FCC Part15 E Section 15.407 (a)
KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F
≤11.00dBm/MHz for Band I 5150MHz-5250MHz ≤30.00dBm/500KHz for Band IV 5725MHz-5850MHz The e.i.r.p spectral density for Band I 5150MHz – 5250 MHz should not exceed 10dBm/MHz Note: For those cases where it is specified that the conducted output power be reduced by the amount in dB that the directional gain of the transmitting antenna exceeds 6 dBi, the PSD effective limit shall be calculated as follows in Equation: PSDout = PSDLimit - ( directional gain - 6)
Spectrum Analyzer EUT
Transmitting mode with modulation
<ol> <li>Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.</li> <li>Set RBW = 500 kHz/1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS.</li> <li>Allow the sweeps to continue until the trace stabilizes.</li> <li>Use the peak marker function to determine the maximum amplitude level.</li> <li>The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.</li> </ol>
PASS



### 6.5.2. Test Instruments

RF Test Room										
Equipment	Manufacturer	Model	Serial Number	Calibration Due						
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018						
Spectrum Analyzer	ROHDE&SCH WARZ	FSP40	100056	Sep. 27, 2018						
RF Cable (9KHz-40GHz)	тст	RE-03	N/A	Sep. 27, 2018						
Antenna Connector	TCT	RFC-03	N/A	Sep. 27, 2018						

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



Page 24 of 45

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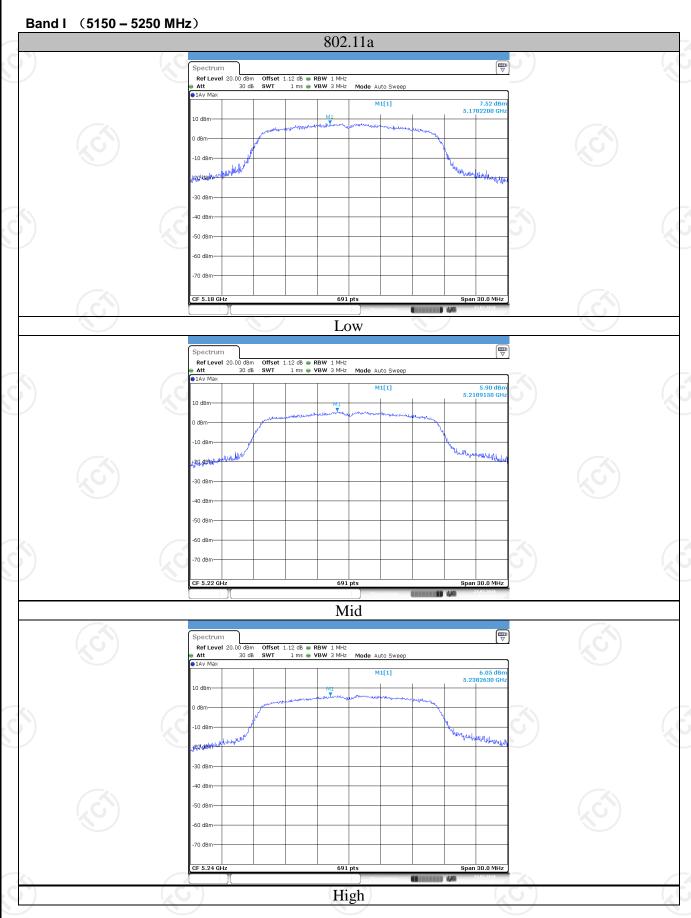
### 6.5.3. Test data

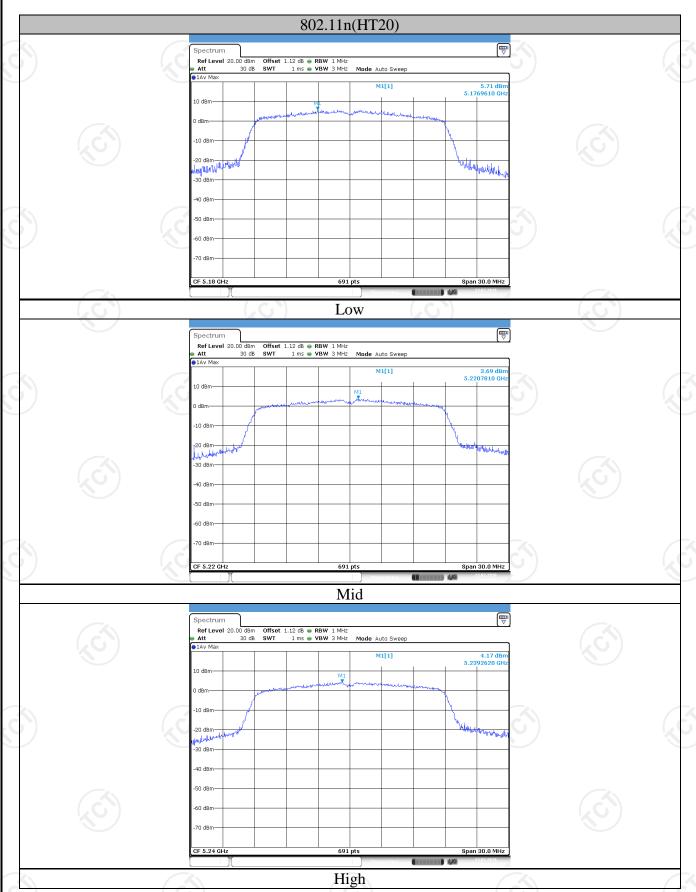
Configuration E	Band I (5150 - 5250	MHz)		
Mode	Test channel	Power Spectral Density	Limit (dBm/MHz)	Result
11a	CH36	7.52	11	PASS
11a	CH44	5.90	11	PASS
11a	CH48	6.05	11	PASS
11n(HT20)	CH36	5.71	110	PASS
11n(HT20)	CH44	3.69	11	PASS
11n(HT20)	CH48	4.17	11	PASS
11n(HT40)	CH38	-0.23	11	PASS
11n(HT40)	CH46	-1.41	11	PASS

Test plots as follows:

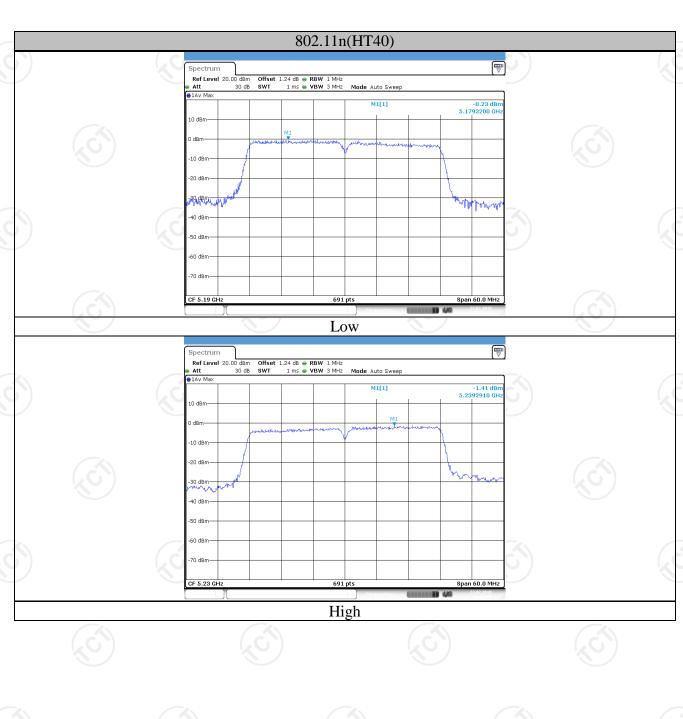














## 6.6. Band edge

## 6.6.1. Test Specification

Toot Poquiromant	FCC CFR47 Part 15E Section 15.407						
Test Requirement:							
Test Method:	ANSI C63.10 2013						
	For band I&II&III: $E[dB\mu V/m] = EIRP[dBm] + 95.2=68.2$ $dB\mu V/m$ , for $EIRP(dBm) = -27dBm$						
Limit:	For band IV(5715-5725MHz&5850-5860MHz): $E[dB\mu V/m] = EIRP[dBm] + 95.2=78.2 dB\mu V/m$ , for $EIRP(dBm) = -17dBm$ ; For band IV(other un-restricted band): $E[dB\mu V/m] = EIRP[dBm] + 95.2=68.2 dB\mu V/m$ , for $EIRP(dBm) = -27dBm$						
Test Setup:	Ground Reference Plane Test Receiver  Test Receiver  Test Receiver  Test Receiver						
Test Mode:	Transmitting mode with modulation						
Test Procedure:	<ol> <li>The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak,</li> </ol>						



	reported	d in a data s	sheet.		
Test Result:	PASS	(6)		(C)	





### 6.6.2. Test Instruments

	Radiated Emission Test Site (966)										
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due							
Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Sep. 27, 2018							
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ	200061	Sep. 27, 2018							
Spectrum Analyzer	ROHDE&SCHW ARZ	FSP40	100056	Sep. 27, 2018							
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018							
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 27, 2018							
Pre-amplifier	HP	8447D	2727A05017	Sep. 27, 2018							
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 27, 2018							
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 27, 2018							
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 27, 2018							
Horn Antenna	Schwarzbeck	BBH 9170	582	Jun. 07, 2018							
Coax cable (9KHz-1GHz)	ТСТ	RE-low-01	N/A	Sep. 27, 2018							
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 27, 2018							
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Sep. 27, 2018							
Coax cable (9KHz-40GHz)	тст	RE-high-04	N/A	Sep. 27, 2018							
Antenna Mast	Keleto	CC-A-4M	N/A	N/A							
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A							

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



## 6.6.3. Test Data

	Band I for Band edge emission										
Bandwidt	h:	20MHz	W	orst mode:	802	.11a	Test char	nnel:	Low		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Detector		
5150.00	17.53	31.70	9.79	0.00	59.02	68.20	-9.18	Horizontal	Peak		
5350.00	13.69	31.40	10.06	0.00	55.15	68.20	-13.05	Horizontal	Peak		
5150.00	17.78	31.70	9.79	0.00	59.27	68.20	-8.93	Vertical	Peak		
5350.00	13.66	31.40	10.06	0.00	55.12	68.20	-13.08	Vertical	Peak		
5150.00	7.42	31.70	9.79	0.00	48.91	54.00	-5.09	Horizontal	Average		
5350.00	5.87	31.40	10.06	0.00	47.33	54.00	-6.67	Horizontal	Average		
5150.00	8.79	31.70	9.79	0.00	50.28	54.00	-3.72	Vertical	Average		
5350.00	6.18	31.40	10.06	0.00	47.64	54.00	-6.36	Vertical	Average		

	Band I for Band edge emission										
Bandwidt	h:	20MHz Worst mode:		802	.11a	Test char	nnel:	High			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Detector		
5150.00	13.17	31.70	9.79	0.00	54.66	68.20	-13.54	Horizontal	Peak		
5350.00	13.83	31.40	10.06	0.00	55.29	68.20	-12.91	Horizontal	Peak		
5150.00	13.53	31.70	9.79	0.00	55.02	68.20	-13.18	Vertical	Peak		
5350.00	14.15	31.40	10.06	0.00	55.61	68.20	-12.59	Vertical	Peak		
5150.00	5.42	31.70	9.79	0.00	46.91	54.00	-7.09	Horizontal	Average		
5350.00	6.13	31.40	10.06	0.00	47.59	54.00	-6.41	Horizontal	Average		
5150.00	5.36	31.70	9.79	0.00	46.85	54.00	-7.15	Vertical	Average		
5350.00	5.78	31.40	10.06	0.00	47.24	54.00	-6.76	Vertical	Average		





	Band I for Band edge emission									
Bandwidt	h:	20MHz Worst mode:			802	.11n	Test char	nnel:	Low	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Detector	
5150.00	16.92	31.70	9.79	0.00	58.41	68.20	-9.79	Horizontal	Peak	
5350.00	13.43	31.40	10.06	0.00	54.89	68.20	-13.31	Horizontal	Peak	
5150.00	17.18	31.70	9.79	0.00	58.67	68.20	-9.53	Vertical	Peak	
5350.00	13.76	31.40	10.06	0.00	55.22	68.20	-12.98	Vertical	Peak	
5150.00	7.32	31.70	9.79	0.00	48.81	54.00	-5.19	Horizontal	Average	
5350.00	5.97	31.40	10.06	0.00	47.43	54.00	-6.57	Horizontal	Average	
5150.00	7.81	31.70	9.79	0.00	49.30	54.00	-4.70	Vertical	Average	
5350.00	6.03	31.40	10.06	0.00	47.49	54.00	-6.51	Vertical	Average	
N.	3)	•	1/10	)		(0)	•	KO		

			Ba	nd I for Ba	and edge er	mission			
Bandwidt	h:	20MHz	W	orst mode:	802	.11n	Test char	nnel:	High
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Detector
5150.00	13.24	31.70	9.79	0.00	54.73	68.20	-13.47	Horizontal	Peak
5350.00	13.63	31.40	10.06	0.00	55.09	68.20	-13.11	Horizontal	Peak
5150.00	13.76	31.70	9.79	0.00	55.25	68.20	-12.95	Vertical	Peak
5350.00	13.47	31.40	10.06	0.00	54.93	68.20	-13.27	Vertical	Peak
5150.00	5.76	31.70	9.79	0.00	47.25	54.00	-6.75	Horizontal	Average
5350.00	6.03	31.40	10.06	0.00	47.49	54.00	-6.51	Horizontal	Average
5150.00	5.55	31.70	9.79	0.00	47.04	54.00	-6.96	Vertical	Average
5350.00	5.39	31.40	10.06	0.00	46.85	54.00	-7.15	Vertical	Average



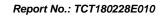
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com





	Band I for Band edge emission									
Bandwidt	h:	40MHz	W	orst mode:	802	.11n	Test channel:		Low	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Detector	
5150.00	16.84	31.70	9.79	0.00	58.33	68.20	-9.87	Horizontal	Peak	
5350.00	13.57	31.40	10.06	0.00	55.03	68.20	-13.17	Horizontal	Peak	
5150.00	16.79	31.70	9.79	0.00	58.28	68.20	-9.92	Vertical	Peak	
5350.00	13.27	31.40	10.06	0.00	54.73	68.20	-13.47	Vertical	Peak	
5150.00	6.72	31.70	9.79	0.00	48.21	54.00	-5.79	Horizontal	Average	
5350.00	5.75	31.40	10.06	0.00	47.21	54.00	-6.79	Horizontal	Average	
5150.00	7.13	31.70	9.79	0.00	48.62	54.00	-5.38	Vertical	Average	
5350.00	6.21	31.40	10.06	0.00	47.67	54.00	-6.33	Vertical	Average	

	Band I for Band edge emission													
Bandwidt	h:	40MHz	W	orst mode:	802	.11n	Test char	nnel:	High					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Detector					
5150.00	13.31	31.70	9.79	0.00	54.80	68.20	-13.40	Horizontal	Peak					
5350.00	13.46	31.40	10.06	0.00	54.92	68.20	-13.28	Horizontal	Peak					
5150.00	13.28	31.70	9.79	0.00	54.77	68.20	-13.43	Vertical	Peak					
5350.00	13.48	31.40	10.06	0.00	54.94	68.20	-13.26	Vertical	Peak					
5150.00	5.46	31.70	9.79	0.00	46.95	54.00	-7.05	Horizontal	Average					
5350.00	5.78	31.40	10.06	0.00	47.24	54.00	-6.76	Horizontal	Average					
5150.00	5.69	31.70	9.79	0.00	47.18	54.00	-6.82	Vertical	Average					
5350.00	5.44	31.40	10.06	0.00	46.90	54.00	-7.10	Vertical	Average					

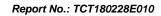




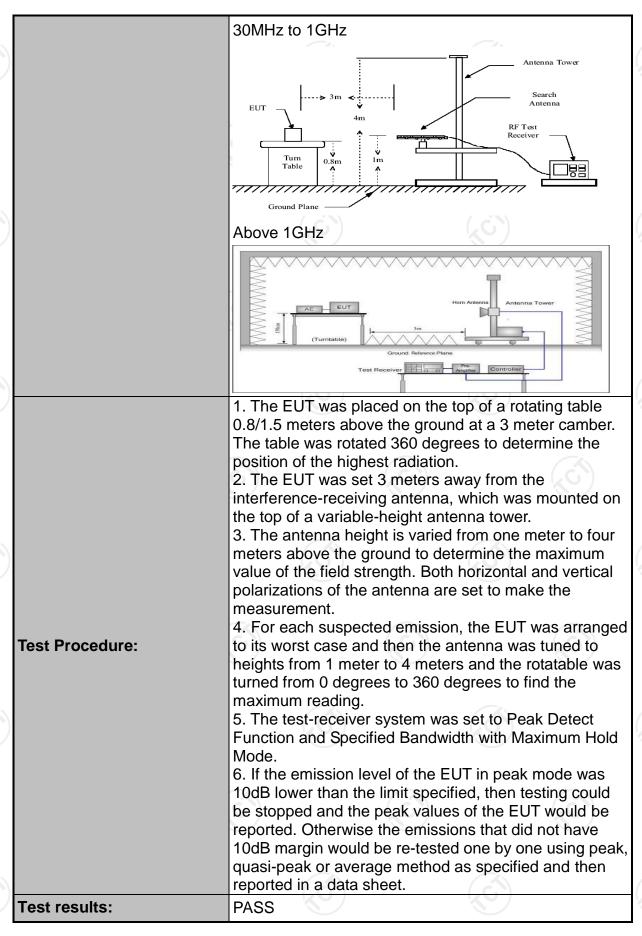
## 6.7. Spurious Emission

## 6.7.1.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407 & 15.209 & 15.205										
Test Method:	KDB 789033	D02 v02	r01								
Frequency Range:	9kHz to 40G	Hz									
Measurement Distance:	3 m	-									
Antenna Polarization:	Horizontal &	Vertical		(,C)							
Operation mode:	Transmitting mode with modulation										
	Frequency 9kHz- 150kHz	Detector Quasi-peak	RBW 200Hz	VBW 1kHz	Remark Quasi-peak Value						
Receiver Setup:	150kHz- 30MHz	Quasi-peak		30kHz	Quasi-peak Value						
·	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value						
	Above 1GHz	Peak	1MHz	3MHz	Peak Value						
	Above IGIIZ	Peak	1MHz	10Hz	Average Value						
Limit:	below table, Frequency 0.009-0.490 0.490-1.705 1.705-30 30-88 88-216 216-960 Above 960  Frequency Above 1G		Field Strengtl (microvolts/m 2400/F(KHz) 24000/F(KHz) 30 100 150 200 500 Limit (dBuV/r 74.0	neter)	Measurement Distance (meters) 300 30 30 3 3 3 3 3 Detector Peak						
Test setup:	EUT		s below 30	Pre -A	Computer						





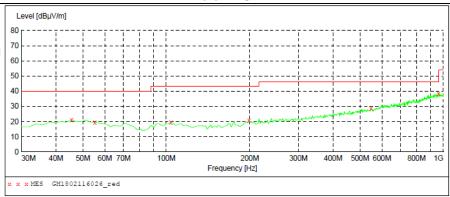




### 6.7.2. Test Data

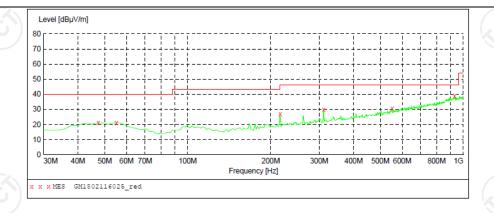
## Please refer to following diagram for individual

#### **Below 1GHz**



#### MEASUREMENT RESULT: "GM1802116026\_red"

2/11/2018 4:	17PM							
Frequency MHz	Level dBµV/m		Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
45.520000	21.10	-8.8	40.0	18.9	QP	100.0	318.00	VERTICAL
55.220000	19.40	-9.2	40.0	20.6	QP	100.0	0.00	VERTICAL
103.720000	19.50	-10.5	43.5	24.0	QP	100.0	0.00	VERTICAL
198.780000	20.70	-9.8	43.5	22.8	QP	100.0	238.00	VERTICAL
547.980000	28.50	-0.8	46.0	17.5	QP	100.0	23.00	VERTICAL
959.260000	38.60	7.3	46.0	7.4	QP	100.0	318.00	VERTICAL



#### MEASUREMENT RESULT: "GM1802116025\_red"

2,	/11/2018 4:	14PM							
	Frequency MHz	Level dBµV/m		Limit dBµV/m	_	Det.	Height cm	Azimuth deg	Polarization
	47.460000	21.10	-8.8	40.0	18.9	QP	300.0	285.00	HORIZONTAL
	55.220000	21.20	-9.2	40.0	18.8	QP	100.0	360.00	HORIZONTAL
	216.240000	27.00	-10.2	46.0	19.0	QP	100.0	267.00	HORIZONTAL
	311.300000	29.90	-7.1	46.0	16.1	QP	100.0	239.00	HORIZONTAL
	551.860000	30.70	-0.7	46.0	15.3	QP	100.0	92.00	HORIZONTAL
	928.220000	38.90	7.1	46.0	7.1	QP	100.0	251.00	HORIZONTAL

- 1. Transd = Cable lose + Antenna factor Pre-amplifier; Margin = Limit Level
- 2. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported
- 3. The 802.11a,802.11n Test mode, found that 802.11a and band 1 mode for low channel was the worst mode, and the report showed only the test results of the worst mode.



#### **Above 1GHz**

	Band I for Low													
4	Band	dwidth:		201	ЛHz	١	Norst mode:		802.11a					
Frequ (MF	-	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				
1755	5.16	37.50	25.31	5.87	37.05	31.63	68.20	-42.37	Vertical	Peak				
8063	3.40	31.98	37.04	12.45	34.54	46.93	74.00	-27.07	Vertical	Peak				
1037	4.42	32.90	39.56	13.59	35.53	50.52	68.20	-23.48	Vertical	Peak				
1199	4.38	30.58	39.70	14.66	33.36	51.58	74.00	-22.42	Vertical	Peak				
1899	9.28	50.30	25.30	6.11	37.22	44.49	68.20	-29.51	Horizontal	Peak				
3003	3.17	36.00	28.61	7.48	38.23	33.86	68.20	-40.14	Horizontal	Peak				
6851	1.19	31.27	34.36	11.66	34.94	42.35	68.20	-31.65	Horizontal	Peak				
1037	4.42	32.61	39.56	13.59	35.53	50.23	68.20	-23.77	Horizontal	Peak				

	Band I for Mid													
Ban	dwidth:		201	ИHz	V	Vorst mode:		802.11a						
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					
1759.64	43.15	25.32	5.88	37.06	37.29	68.20	-36.71	Vertical	Peak					
2577.80	49.02	27.67	6.89	37.85	45.73	68.20	-28.27	Vertical	Peak					
3963.52	35.56	29.70	8.73	38.13	35.86	74.00	-38.14	Vertical	Peak					
10453.95	32.79	39.84	13.59	34.97	51.25	68.20	-22.75	Vertical	Peak					
2437.41	45.45	27.45	6.80	37.89	41.81	68.20	-32.19	Horizontal	Peak					
3200.50	37.48	28.80	7.72	38.20	35.80	68.20	-38.20	Horizontal	Peak					
7376.08	32.29	36.30	12.04	34.85	45.78	74.00	-28.22	Horizontal	Peak					
10453.95	32.36	39.84	13.59	34.97	50.82	68.20	-23.18	Horizontal	Peak					

	Band I for High													
Band	dwidth:		201	ЛHz	١	Norst mode:		802.11a						
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					
1764.12	50.81	25.33	5.89	37.06	44.97	68.20	-23.23	Vertical	Peak					
3233.26	36.27	28.60	7.76	38.26	34.37	68.20	-33.83	Vertical	Peak					
7413.73	32.32	36.27	12.11	34.83	45.87	74.00	-28.13	Vertical	Peak					
10480.59	33.68	39.93	13.59	34.65	52.55	68.20	-15.65	Vertical	Peak					
2584.37	49.34	27.71	6.90	37.84	46.11	68.20	-22.09	Horizontal	Peak					
3598.09	34.61	29.29	8.27	38.27	33.90	68.20	-34.30	Horizontal	Peak					
7860.74	31.70	36.47	12.97	34.91	46.23	68.20	-21.97	Horizontal	Peak					
10507.31	31.89	40.00	13.59	34.33	51.15	68.20	-17.05	Horizontal	Peak					

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. Measuring frequencies from 1 GHz to 40GHz of highest fundamental frequency.





	Band I for Low													
Band	dwidth:		201	ЛHz	1	Norst mode:		802.11n						
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					
2443.62	46.16	27.42	6.80	37.89	42.49	68.20	-25.71	Vertical	Peak					
3151.99	37.76	28.80	7.66	38.21	36.01	68.20	-32.19	Vertical	Peak					
7840.75	32.46	36.35	13.06	34.96	46.91	68.20	-21.29	Vertical	Peak					
10374.42	31.90	39.56	13.59	35.53	49.52	68.20	-18.68	Vertical	Peak					
1750.70	42.51	25.30	5.86	37.04	36.63	68.20	-31.57	Horizontal	Peak					
1904.12	42.80	25.34	6.12	37.22	37.04	68.20	-31.16	Horizontal	Peak					
4034.78	35.11	29.77	8.81	38.03	35.66	74.00	-38.34	Horizontal	Peak					
10374.42	32.61	39.56	13.59	35.53	50.23	68.20	-17.97	Horizontal	Peak					

	Band I for Mid													
Ban	dwidth:		201	ЛHz	V	Vorst mode:		802.11n						
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					
1759.64	45.15	25.32	5.88	37.06	39.29	68.20	-28.91	Vertical	Peak					
2577.80	41.02	27.67	6.89	37.85	37.73	68.20	-30.47	Vertical	Peak					
4501.49	34.75	30.70	9.30	37.39	37.36	74.00	-36.64	Vertical	Peak					
10453.95	33.79	39.84	13.59	34.97	52.25	68.20	-15.95	Vertical	Peak					
2437.41	45.45	27.45	6.80	37.89	41.81	68.20	-26.39	Horizontal	Peak					
3200.50	37.48	28.80	7.72	38.20	35.80	68.20	-32.40	Horizontal	Peak					
8022.46	32.66	37.08	12.35	34.53	47.56	68.20	-20.64	Horizontal	Peak					
10453.95	32.36	39.84	13.59	34.97	50.82	68.20	-17.38	Horizontal	Peak					

	Band I for High													
Ban	dwidth:		201	ЛHz	١	Norst mode:		802.11n						
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					
1755.16	47.54	25.31	5.87	37.05	41.67	68.20	-26.53	Vertical	Peak					
3690.85	37.34	29.30	8.37	38.25	36.76	74.00	-37.24	Vertical	Peak					
8571.38	32.75	37.19	12.88	34.48	48.34	68.20	-19.86	Vertical	Peak					
10507.31	32.59	40.00	13.59	34.33	51.85	68.20	-16.35	Vertical	Peak					
2577.80	45.29	27.67	6.89	37.85	42.00	68.20	-26.20	Horizontal	Peak					
3598.09	34.61	29.29	8.27	38.27	33.90	68.20	-34.30	Horizontal	Peak					
7376.08	31.53	36.30	12.04	34.85	45.02	74.00	-28.98	Horizontal	Peak					
10480.59	32.12	39.93	13.59	34.65	50.99	68.20	-17.21	Horizontal	Peak					

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. Measuring frequencies from 1 GHz to 40GHz of highest fundamental frequency.





	Band I for Low													
Ban	Bandwidth:			ИHz	1	Norst mode:		802.11n						
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					
2584.37	37.95	27.71	6.90	37.84	34.72	68.20	-33.48	Vertical	Peak					
3588.94	34.80	29.27	8.25	38.29	34.03	68.20	-34.17	Vertical	Peak					
8571.38	32.60	37.19	12.88	34.48	48.19	68.20	-20.01	Vertical	Peak					
10400.86	32.51	39.65	13.59	35.60	50.15	68.20	-18.05	Vertical	Peak					
1904.12	45.64	25.34	6.12	37.22	39.88	68.20	-28.32	Horizontal	Peak					
2577.80	43.47	27.67	6.89	37.85	40.18	68.20	-28.02	Horizontal	Peak					
8571.38	32.60	37.19	12.88	34.48	48.19	68.20	-20.01	Horizontal	Peak					
10400.86	32.45	39.65	13.59	35.60	50.09	68.20	-18.11	Horizontal	Peak					

	Band I for High													
Ban	dwidth:		40N	ИHz	١	Vorst mode:		802.11n						
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					
2577.80	43.82	27.67	6.89	37.85	40.53	68.20	-27.67	Vertical	Peak					
4512.97	34.71	30.73	9.32	37.37	37.39	74.00	-36.61	Vertical	Peak					
8063.40	32.14	37.04	12.45	34.54	47.09	74.00	-26.91	Vertical	Peak					
10453.95	31.27	39.84	13.59	34.97	49.73	68.20	-18.47	Vertical	Peak					
1755.16	45.70	25.31	5.87	37.05	39.83	68.20	-28.37	Horizontal	Peak					
6628.18	32.27	34.20	11.39	35.31	42.55	68.20	-25.65	Horizontal	Peak					
9275.16	32.55	39.05	13.57	35.64	49.53	68.20	-18.67	Horizontal	Peak					
10480.59	32.31	39.93	13.59	34.65	51.18	68.20	-17.02	Horizontal	Peak					

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. Measuring frequencies from 1 GHz to 40GHz of highest fundamental frequency.



## 6.8. Frequency Stability Measurement

## 6.8.1. Test Specification

Test Requirement:	FCC Part15 Section 15.407(g) &Part2 J Section 2.1055				
Test Method:	ANSI C63.10: 2013				
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of -30 degrees to 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.				
Test Setup:	Spectrum Analyzer EUT  AC/DC Power supply				
Test Procedure:	The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.				
Test Result:	PASS				
Remark:	Pre-scan was performed at Low/ Mid /High channel, the worst case was found. Only the test data of Low channel was shown in this report.				



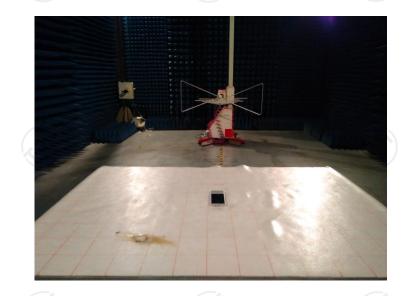
## Test plots as follows:

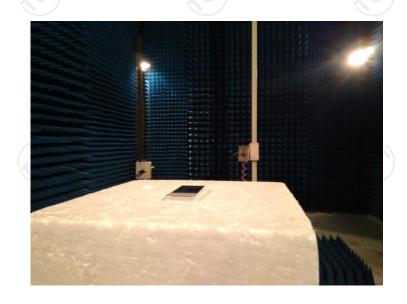
			<i>)</i>				
Band I for 802.11a Low							
Voltage(%)	Power(VDC)	TEMP(°C)	Test Frequency (MHz)	Freq.Dev (Hz)	Deviation (ppm)		
100%	3.70	-20	5180	-20000.00	-3.8610		
100%		-10	5180	-20000.00	-3.8610		
100%		0	5180	-20000.00	-3.8610		
100%		10	5180	-19000.00	-3.6680		
100%		20	5180	-19000.00	-3.6680		
100%		30	5180	-19000.00	-3.6680		
100%		40	5180	-19000.00	-3.6680		
100%		- 50	5180	-18000.00	-3.4749		
85%	3.33	25	5180	-21000.00	-4.0541		
115%	4.07	25	5180	-18000.00	-3.4749		



## **Appendix A: Photographs of Test Setup**

Radiated Emission













## **Appendix B: Photographs of EUT**

Reference to the test report No.: TRE1801023101.



