

## **TEST REPORT**

**FCC ID: 2AEHZ-PLUS** 

**Product: Smart Phone** 

Model No.: PLUS

Additional Model No.: N/A

**Trade Mark: FTC** 

Report No.: TCT150410E016

Issued Date: May 15, 2015

Issued for:

FENIX TRADING COMPANY S.A.

1410 Spain Av., La Torre Building 2nd Floor. Asuncion, Paraguay.

Issued By:

**Shenzhen Tongce Testing Lab.** 

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### Test Certification

N/A

Additional

**Product: Smart Phone** Model No.: **PLUS** 

Model No.: FENIX TRADING COMPANY S.A. Applicant: Address: 1410 Spain Av., La Torre Building 2nd Floor. Asuncion, Paraguay. Shenzhen Crave Communication Co., LTD. Manufacturer: Floor 3 Bldg8, Dong Fang Ming Industrial City, No. 83 Dabao Rd.,

Address: 33 DistrictBaoan Shenzhen China Date of Test: Apr. 10 - May 15, 2015

FCC CFR Title 47 Part 15 Subpart C Section 15.247 **Applicable** Standards: KDB 558074 D01 DTS Meas Guidance v03r02

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: May 15, 2015

> > Leon Chen

Reviewed By: May 18, 2015 Date:

Joe Zhou

Approved By: Date: May 18, 2015

**Tomsin** 

Report No.: TCT150410E016



## 2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	Pass
AC Power Line Conducted Emission	§15.207	Pass
Conducted Peak Output Power	§15.247 (b)(3)	Pass
6dB Emission Bandwidth	§15.247 (a)(2)	Pass
Power Spectral Density	§15.247 (e)	Pass
Band Edge	1§5.247(d)	Pass
Spurious Emission	§15.205/§15.209	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

Report No.:	TCT150410E016
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Product Name:	Smart Phone
Model :	PLUS
Additional Model:	N/A
Trade Mark:	FTC
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Technology:	GFSK
Antenna Type:	Internal Antenna
Antenna Gain:	1.4dBi
Power Supply:	Rechargeable Li-ion Battery DC3.7V

**Operation Frequency each of channel** 

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency		
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz		
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz		
8	2418MHz	18	2438MHz	_ 28	2458MHz	38	2478MHz		
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz		
Remark: Channel 0, 19 & 39 have been tested.									





### 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 sample was placed 0.8m 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.

## 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	/	1	1	1	

#### Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

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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.: 572331

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

CNAS - Registration No.: CNAS L6165
 Shenzhen TCT Testing Technology Co., Ltd. is accredited to ISO/IEC 17025:2005
 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6165.

### 5.2. Location

Shenzhen Tongce Testing Lab

Address: 1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China

Tel: 86-755-36638142

### 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%

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### 6. Test Results and Measurement Data

### 6.1. Antenna requirement

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

15.203 requirement:

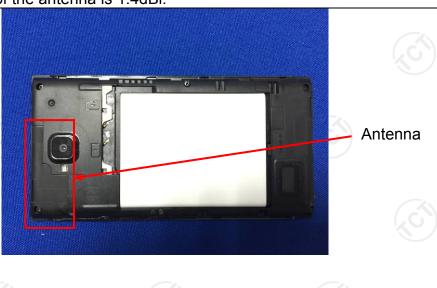
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit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

15.247(c) (1)(i) requirement:

(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.

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

The Bluetooth antenna is an internal PIFA antenna which permanently attached, and the best case gain of the antenna is 1.4dBi.



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## 6.2. Conducted Emission

## 6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207					
Test Method:	ANSI C63.4:2009						
Frequency Range:	150 kHz to 30 MHz						
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto				
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5	Limit (c Quasi-peak 66 to 56* 56	Average 56 to 46* 46				
	5-30	60	50				
Test Setup:	AUX Equipment  Test table/Insulation pla  Remark: E.U.T: Equipment Under Test	AUX Equipment  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network					
Test Mode:	Charging + transmitting	g with modulation					
Test Procedure:	<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 photographs).</li> <li>Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2009 on conducted measurement.</li> </ol>						
Test Result:	PASS						
		(.6)					



## 6.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)									
Equipment	Manufacturer	Model	Calibration Due						
EMI Test Receiver	R&S	ESCS30	100139	Sep. 16, 2015					
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 29, 2015					
LISN	AFJ	LS16C	16010947251	Sep. 29, 2015					
Coax cable	тст	CE-05	N/A	Sep.15 , 2015					
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).



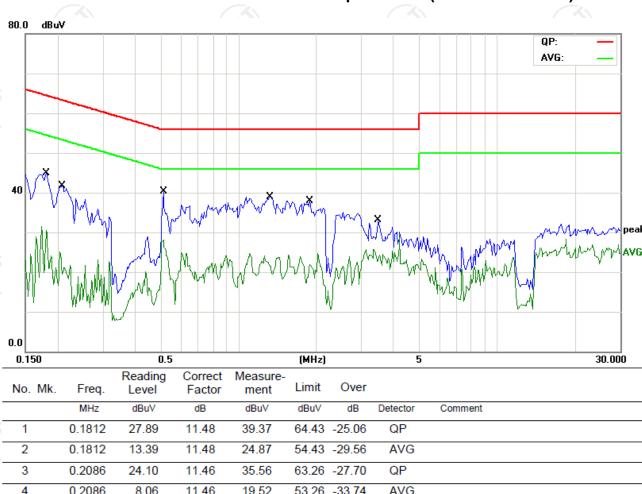




### 6.2.3. Test data

## Please refer to following diagram for individual

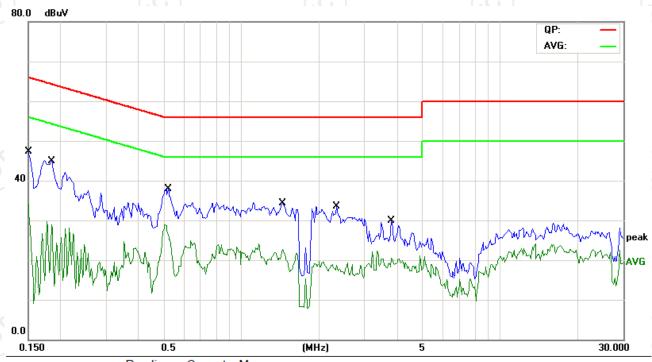
## Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



	No.	Mk.	Freq.	Level	Factor	ment	Limit	Over		
-			MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
<	1		0.1812	27.89	11.48	39.37	64.43	-25.06	QP	
) -	2		0.1812	13.39	11.48	24.87	54.43	-29.56	AVG	
-	3		0.2086	24.10	11.46	35.56	63.26	-27.70	QP	
-	4		0.2086	8.06	11.46	19.52	53.26	-33.74	AVG	
-	5		0.5132	22.02	11.29	33.31	56.00	-22.69	QP	
-	6	*	0.5132	15.69	11.29	26.98	46.00	-19.02	AVG	
-	7		1.3297	19.66	11.34	31.00	56.00	-25.00	QP	
-	8		1.3297	6.74	11.34	18.08	46.00	-27.92	AVG	
Κ-	9		1.8883	18.57	11.63	30.20	56.00	-25.80	QP	
) -	10		1.8883	6.23	11.63	17.86	46.00	-28.14	AVG	
-	11		3.4766	15.20	11.15	26.35	56.00	-29.65	QP	
-	12		3.4766	4.68	11.15	15.83	46.00	-30.17	AVG	
-										



### Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



	No. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
-			MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
-	1		0.1500	29.98	11.52	41.50	65.99	-24.49	QP		
-	2		0.1500	13.69	11.52	25.21	55.99	-30.78	AVG		
-	3		0.1852	27.83	11.50	39.33	64.24	-24.91	QP		
k -	4		0.1852	11.77	11.50	23.27	54.24	-30.97	AVG		
)	5		0.5211	21.29	11.30	32.59	56.00	-23.41	QP		
_	6	*	0.5211	13.60	11.30	24.90	46.00	-21.10	AVG		
_	7		1.4430	15.91	11.41	27.32	56.00	-28.68	QP		
-	8		1.4430	8.90	11.41	20.31	46.00	-25.69	AVG		
-	9		2.3336	13.69	11.57	25.26	56.00	-30.74	QP		
-	10		2.3336	4.69	11.57	16.26	46.00	-29.74	AVG		
-	11		3.8125	9.89	11.05	20.94	56.00	-35.06	QP		
· -	12		3.8125	3.13	11.05	14.18	46.00	-31.82	AVG		
7 -											

#### Note:

Freq. = Emission frequency in MHz

Reading level  $(dB\mu V)$  = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement  $(dB\mu V)$  = Reading level  $(dB\mu V)$  + Corr. Factor (dB)

 $Limit (dB\mu V) = Limit stated in standard$ 

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$ 

Q.P. =Quasi-Peak

AVG =average

<sup>\*</sup> is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.





## 6.3. Maximum Peak Conducted Output Power

## 6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)			
Test Method:	ANSI C63.4:2009 and KDB558074			
Limit:	30dBm			
Test Setup:	Spectrum Analyzer EUT			
Test Mode:	Refer to item 4.1			
Test Procedure:	<ol> <li>The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r02.</li> <li>Set spectrum analyzer as following:         <ul> <li>a) Set the RBW ≥ DTS bandwidth.</li> <li>b) Set VBW ≥ 3 × RBW.</li> <li>c) Set span ≥ 3 x RBW</li> <li>d) Sweep time = auto couple.</li> <li>e) Detector = peak.</li> <li>f) Trace mode = max hold.</li> <li>g) Allow trace to fully stabilize.</li> <li>h) Use peak marker function to determine the peak amplitude level.</li> </ul> </li> </ol>			
Test Result:	PASS			

#### 6.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100060	Oct. 21, 2015

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

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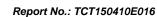


## 6.3.3. Test Data

BT LE mode					
Test channel Peak Output Power Limit (dBm) Result (dBm)					
Lowest	-4.088	30.00	Pass		
Middle	-4.092	30.00	Pass		
Highest	-4.121	30.00	Pass		

Test plots as follows:





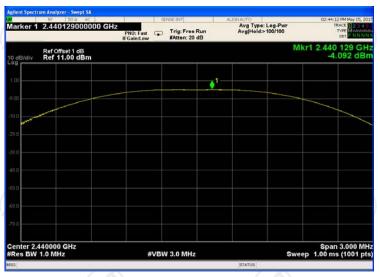


### BT LE mode

### Lowest channel



#### Middle channel



## Highest channel





### 6.4. Emission Bandwidth

## 6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.4:2009 and KDB558074
Limit:	>500kHz
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	<ol> <li>The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r02.</li> <li>The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r02.</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. The 6dB bandwidth must be greater than 500 kHz.</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 Duc					
Spectrum Analyzer	Agilent	N9020A	MY49100060	Oct. 21, 2015	

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

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## 6.4.3. Test data

Toot channel	6dB Emission Bandwidth (kHz)			
Test channel	BT LE mode	Limit	Result	
Lowest	688.7	>500k		
Middle	692.9	>500k	PASS	
Highest	697.0	>500k		

Test plots as follows:



BT LE mode

### Lowest channel



#### Middle channel



### Highest channel



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## 6.5. Power Spectral Density

## 6.6. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)				
Test Method:	ANSI C63.4:2009 and KDB558074				
Limit:	The peak power spectral density shall not be greated than 8dBm in any 3kHz band at any time interval of continuous transmission.				
Test Setup:	Spectrum Analyzer EUT				
Test Mode:	Refer to item 4.1				
Test Procedure:	<ol> <li>The testing follows Measurement Procedure 10.2         Method PKPSD of FCC KDB Publication No.558074         D01 DTS Meas. Guidance v03r02</li> <li>The RF output of EUT was connected to the spectrum analyzer 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>Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)</li> <li>Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.</li> <li>Measure and record the results in the test report.</li> </ol>				
Test Result:	PASS PASS				

## 6.6.1. Test Instruments

RF Test Room					
Equipment Manufacturer Model Serial Number Calibration Du					
Spectrum Analyzer	Agilent	N9020A	MY49100060	Oct. 21, 2015	

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



## 6.6.2. Test data

Toot channel	Power Spectral Density (dBm/3kHz)			
Test channel	BT LE mode	Limit	Result	
Lowest	-5.006	8dBm/3kHz		
Middle	-4.979	8dBm/3kHz	PASS	
Highest	-5.029	8dBm/3kHz		

Test plots as follows:







#### Lowest channel



### Middle channel



## Highest channel





## 6.7. Conducted Band Edge and Spurious Emission Measurement

## 6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.2	47 (d)		
•	ANSI C63.4:2009 and KDB558074			
Test Method:				
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).			
Test Setup:				
	Spectrum Analyzer	EUT		
Test Mode:	Refer to item 4.1			
Test Procedure:	D01 DTS Meas. Guidan  2. The RF output of EUT was analyzer by RF cable and was compensated to the measurement.  3. Set to the maximum power EUT transmit continuous.  4. Set RBW = 100 kHz, VBN Unwanted Emissions meabandwidth outside of the shall be attenuated by a maximum in-band peak maximum peak conducted used. If the transmitter of power limits based on the atime interval, the attent paragraph shall be 30 dl 15.247(d).  5. Measure and record the record the record the RF fundamental frequency.	as connected to the spectrum of attenuator. The path loss is results for each are setting and enable the sly.  W=300 kHz, Peak Detector. The path loss is setting and enable the sly.  W=300 kHz, Peak Detector. The path loss is setting and enable the asured in any 100 kHz enable authorized frequency band it least 20 dB relative to the PSD level in 100 kHz when ed output power procedure is complies with the conducted in the use of RMS averaging over the path loss in the test report.		
Test Result:	PASS			

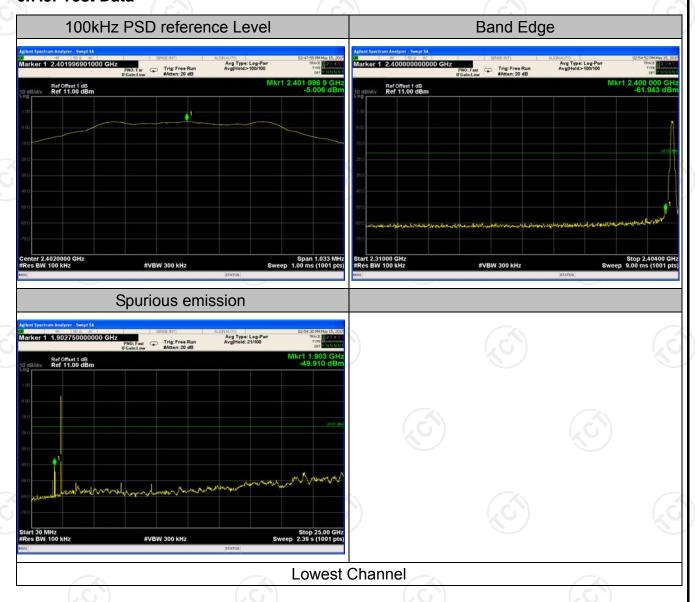


### 6.7.2. Test Instruments

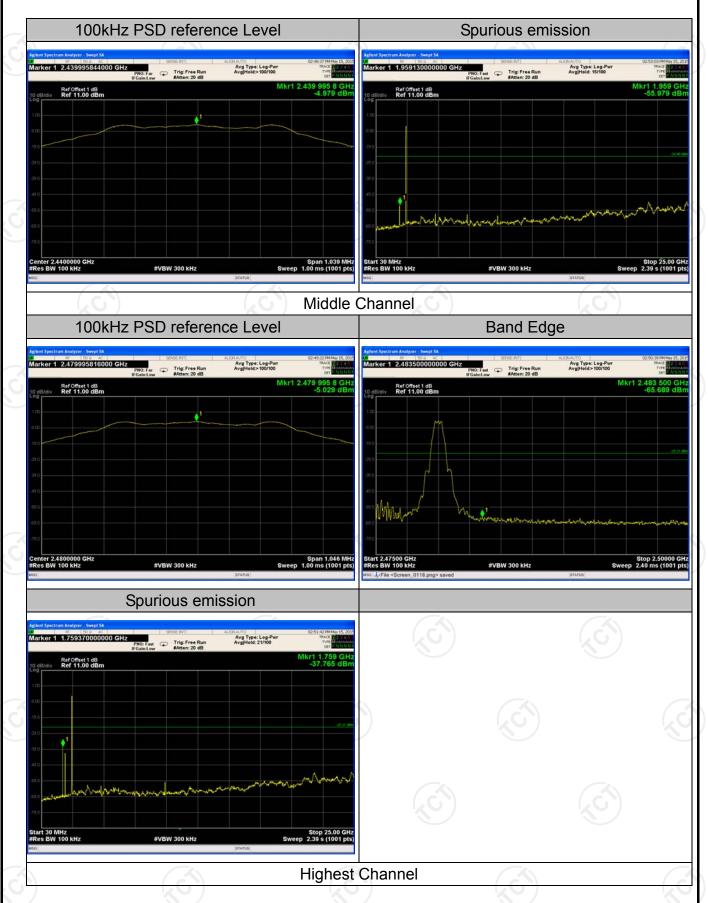
RF Test Room					
Equipment Manufacturer Model Serial Number Calibration Due					
Spectrum Analyzer	Agilent	N9020A	MY49100060	Oct. 21, 2015	

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

#### 6.7.3. Test Data





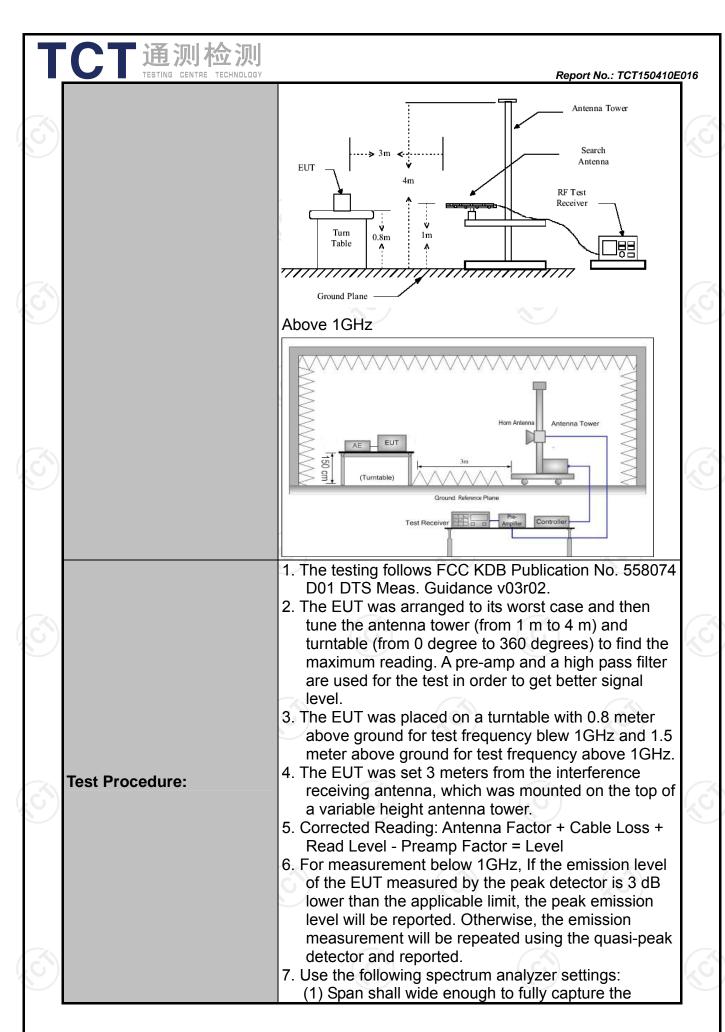




## 6.8. Radiated Spurious Emission Measurement

## 6.8.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209						
Test Method:	ANSI C63.4: 2009 and ANSI C63.10: 2013						
Frequency Range:	9 kHz to 25	GHz			1		
Measurement Distance:	3 m						
Antenna Polarization:	Horizontal &	Vertical					
Operation mode:	Refer to item	Refer to item 4.1					
Receiver Setup:	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-pea Quasi-pea		VBW 1kHz 30kHz	Quas	Remark si-peak Value si-peak Value	
	30MHz 30MHz-1GHz Above 1GHz	Quasi-pea Peak Peak	k 100KHz 1MHz 1MHz	300KHz 3MHz 10Hz	Р	si-peak Value eak Value erage Value	
Limit:	Frequer 0.009-0.4 0.490-1.7	190 705	Field Stru (microvolts 2400/F(l 24000/F)	ength /meter) KHz)	Measurement Distance (meters) 300 30		
	1.705-30 30-88 88-216 216-960		30 100 150 200 500		30 3 3 3 3		
			ld Strength ovolts/meter) Measure Distar		ce	Detector	
	Above 1GHz	Z -	500 5000	A1		Average Peak	
Test setup:	For radiated emissions below 30MHz  Distance = 3m  Computer  Pre - Amplifier  Receiver						
	30MHz to 10		Ground Plane				



Test results:	Pass Pass
	when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation
	for peak measurement.  For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T,
	Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz
	emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW;
TESTING CENTRE I	Report No.: TCT150410





## 6.8.2. Test Instruments

	Radiated Emission Test Site (966)										
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due							
ESPI Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Sep.16, 2015							
Spectrum Analyzer	ROHDE&SCHW ARZ	FSEM	848597/001	Sep.16 , 2015							
Spectrum Analyzer	Agilent	N9020A	MY49100060	Oct. 21, 2015							
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep.16 , 2015							
Pre-amplifier	HP	8447D	2727A05017	Sep.16, 2015							
Loop antenna	ZHINAN	ZN30900A	12024	Dec.14, 2015							
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep.16 , 2015							
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep.16 , 2015							
Horn Antenna	Schwarzbeck	BBHA 9170	373	Sep.16, 2015							
Coax cable	TCT	RE-low-01	N/A	Sep.15 , 2015							
Coax cable	TCT	RE-high-02	N/A	Sep.15, 2015							
Coax cable	TCT	RE-low-03	N/A	Sep.15 , 2015							
Coax cable	тст	RE-High-04	N/A	Sep.15 , 2015							
Antenna Mast	ccs	CC-A-4M	N/A	Sep.15, 2015							
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A							

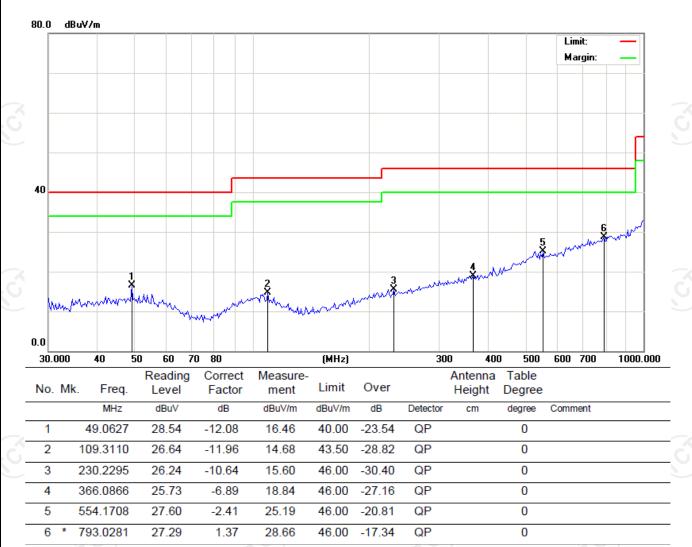
**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



#### 6.8.3. Test Data

# Please refer to following diagram for individual Below 1GHz

#### Horizontal:





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684.2260

899.9577

5

26.75

34.12

-0.20

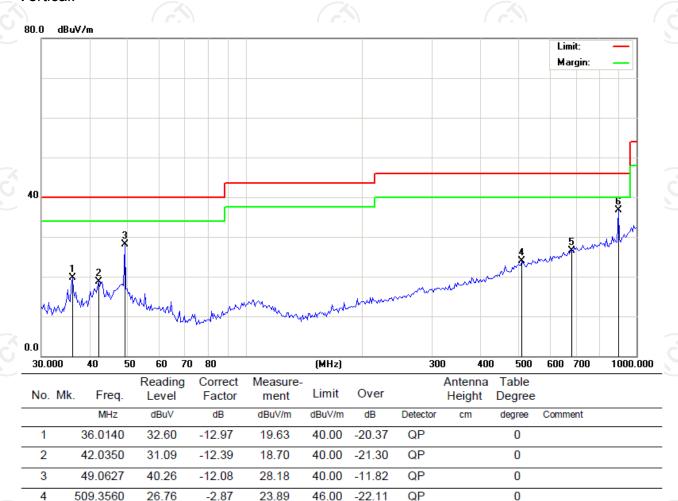
2.67

26.55

36.79

Report No.: TCT150410E016

#### Vertical:



**Note:** 1.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

46.00

46.00

2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Highest channel) was submitted only.

-19.45

-9.21

QP

QP

0

0



### Test Result of Radiated Spurious at Band edges

Modulation Type: GFSK

Low channel: 2402 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBμV/m)			
2310	Н	38.25	-4.20	34.05	74.00	54.00			
2386.12	/ H	40.17	-4.20	35.97	74.00	54.00			
2390	Н	42.33	-3.94	38.39	74.00	54.00			
2310	V	37.62	-4.20	33.42	74.00	54.00			
2386.12	V	40.45	-4.20	36.25	74.00	54.00			
2390	V	41.86	-3.94	37.92	74.00	54.00			
)	( UX	Mod	lulation Type: G	FSK	XO )	7			

	Low channel: 2480 MHz										
Frequency (MHz)			Peak reading Correction Factor (dBµV) Correction Factor (dB/m)		Peak limit (dBµV/m)	AV limit (dBμV/m)					
2483.5	Н	33.56	-3.60	29.96	74.00	54.00					
2489.12	Н	33.06	-3.50	29.56	74.00	54.00					
2500	H	32.18	-3.34	28.84	74.00	54.00					
2483.5	V	32.73	-3.60	29.13	74.00	54.00					
2489.12	V	32.53	-3.50	29.03	74.00	54.00					
2500	V	32.49	-3.34	29.15	74.00	54.00					

#### Note:

- 1. Peak Final Emission Level=Peak Reading + Correction Factor;
- 2. Correction Factor= Antenna Factor + Cable loss Pre-amplifier



#### **Above 1GHz**

Low channe	el: 2402 MF	lz							
Frequency			AV reading		Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	reading	(dBuV)	Factor	Peak	AV	(dBµV/m)	(dBµV/m)	(dB)
		(dBµV)		(dB/m)	(dBµV/m)	(dBµV/m)			
4804	Н	38.26		0.66	38.92		74	54	-15.08
7206	Н	39.05		9.5	48.55		74	54	-5.45
(	Н		<del></del>		(	-		4-6	
Y.				/	· ·				
4804	V	37.55		0.66	38.21	-	74	54	-15.79
7206	V	40.12		9.5	49.62		74	54	-4.38
	V								

Middle cha	nnel: 2440N				,		70)		
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4880	XΗ	36.55	<del></del> /\	0.99	37.54	\ <del></del>	74	54	-16.46
7320	CH	39.89	<del>[-</del> C]	9.85	49.74	<b>₹</b> 0,	74	54	-4.26
	H					<u></u>			
4880	V	37.02		0.99	38.01		74	54	-15.99
7320	V	39.78		9.85	49.63		74	54	-4.37
()	V	(. <del>6</del> .)		(, (			(-6)		(, (

High chann		Ηz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4960	H	38.52	F0	1.33	39.85	(0-7	74	54	-14.15
7440	Н	40.02		10.22	50.24		74	54	-3.76
	Н								
4960	V	37.43		1.33	38.76		74	54	-15.24
7440	V	40.15		10.22	50.37		74	54	-3.63
/	V				/				

#### Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2.  $Margin (dB) = Emission Level (Peak) (dB\mu V/m)-Average limit (dB\mu V/m)$
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

\*\*\*\*END OF REPORT\*\*\*\*

