

# **FCC Test Report**

# (PART 27)

Report No.: RF160526C24-10

FCC ID: NM8G-2PW4100

Test Model: G-2PW4100

Received Date: May 26, 2016

Test Date: Jul. 06, 2016 ~ Jul. 13, 2016

**Issued Date:** Aug. 04, 2016

**Applicant:** HTC Corporation

Address: 1F, 6-3 Baoqiang Road, Xindian District, New Taipei City, Taiwan 231

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

(R.O.C)

Test Location (1): No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan

Hsien 333, Taiwan, R.O.C.





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## **Release Control Record**

Issue No.	Description	Date Issued
RF160526C24-10	Original Release	Aug. 04, 2016



### 1 Certificate of Conformity

**Product:** Smartphone

Test Model: G-2PW4100

Sample Status: Production Unit

**Applicant:** HTC Corporation

Test Date: Jul. 06, 2016 ~ Jul. 13, 2016

Standards: FCC Part 27, Subpart C

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Ivonne Wu / Supervisor

Approved by : \_\_\_\_\_\_\_, Date: \_\_\_\_\_\_\_, Aug. 04, 2016

Stanley Wu / Assistant Manager



# 2 Summary of Test Results

	Applied Standard: FCC Part 27 & Part 2									
FCC Clause	Test Item	Result	Remarks							
2.1046 27.50(a)(3)			Meet the requirement of limit.							
2.1055 27.54	Frequency Stability		Meet the requirement of limit.							
2.1049	2.1049 Occupied Bandwidth		Meet the requirement of limit.							
2.1051 27.53(a)(4)	Rand Edge Measurements		Meet the requirement of limit.							
2.1051 27.53(a)(4)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.							
2.1053 27.53(a)(4)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -15.72 dB at 6930.00 MHz.							

# 2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expended Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150 kHz ~ 30 MHz	2.44 dB
Padiated Emissions up to 1 CHz	30 MHz ~ 200 MHz	2.0153 dB
Radiated Emissions up to 1 GHz	200 MHz ~1000 MHz	2.0224 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	1.0121 dB
hadiated Effissions above 1 GHz	18 GHz ~ 40 GHz	1.1508 dB



# 2.2 Test Site And Instruments

Description & Manaufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent	N9038A	MY51210203	Jan. 21, 2016	Jan. 20, 2017
Spectrum Analyzer Agilent	N9010A	MY52220314	Sep. 03, 2015	Sep. 02, 2016
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 17, 2015	Dec. 16, 2016
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Jan. 07, 2016	Jan. 06, 2017
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-969	Jan. 04, 2016	Jan. 03, 2017
Double Ridge Guide Horn Antenna EMCO	3115	5619	Jan. 04, 2016	Jan. 03, 2017
BILOG Antenna SCHWARZBECK	VULB 9168	9168-153	Jan. 07, 2016	Jan. 06, 2017
Agilent Communications Tester-Wireless	8960 Series 10	MY53201073	Jul. 03, 2015	Jul. 02, 2017
Preamplifier EMCI	EMC 012645	980115	Dec. 21, 2015	Dec. 20, 2016
Preamplifier EMCI	EMC 184045	980116	Dec. 21, 2015	Dec. 20, 2016
Preamplifier EMCI	EMC 330H	980112	Dec. 28, 2015	Dec. 27, 2016
Power Meter Anritsu	ML2495A	1232002	Sep. 21, 2015	Sep. 20, 2016
Power Sensor Anritsu	MA2411B	1207325	Sep. 21, 2015	Sep. 20, 2016
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309219/4 2950114	Oct. 12, 2015	Oct. 11, 2016
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250130/4	Oct. 12, 2015	Oct. 11, 2016
RF Coaxial Cable Worken	8D-FB	Cable-Ch10-01	Oct. 12, 2015	Oct. 11, 2016
Software BV ADT	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower &Turn Table Controller MF	MF-7802	NA	NA	NA
Communications Tester-Wireless Agilent	8960 Series 10	MY53201073	Jul. 03, 2015	Jul. 02, 2017
Radio Communication Analyzer Anritsu	MT8820C	6201300640	Aug. 10, 2015	Aug. 09, 2017



- Note: 1. The calibration interval of the above test instruments is 12 / 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
  - 2. The test was performed in HwaYa Chamber 10.
  - 3. The horn antenna and preamplifier (model: EMC 184045) are used only for the measurement of emission frequency above 1 GHz if tested.
  - 4. The FCC Site Registration No. is 690701.
  - 5. The IC Site Registration No. is IC7450F-10.



## 3 General Information

## 3.1 General Description of EUT

Product	Smartphone						
Test Model	G-2PW4100						
Status of EUT	Production Unit						
Power Supply Rating	5.0 Vdc (adapter or host equipment)						
Power Supply nating	3.85 Vdc (Li-ion battery)						
Modulation Type	QPSK, 16QAM						
Eroguanay Banga	LTE Band 30 (Channel Bandwidth: 5 MHz)	2307.5 ~ 2312.5 MHz					
Frequency Range	LTE Band 30 (Channel Bandwidth: 10 MHz)	2310 MHz					
May FIDD Dawer	LTE Band 30 (Channel Bandwidth: 5 MHz)	115.37 mW					
Max. EIRP Power	LTE Band 30 (Channel Bandwidth: 10 MHz)	118.06 mW					
Fusiacian Decimates	LTE Band 30 (Channel Bandwidth: 5 MHz)	4M50G7D					
Emission Designator	LTE Band 30 (Channel Bandwidth: 10 MHz)	8M97G7D					
Antenna Type	Fixed Internal Antenna						
Accessory Device Refer to Note as below							
Data Cable Supplied	Refer to Note as below						

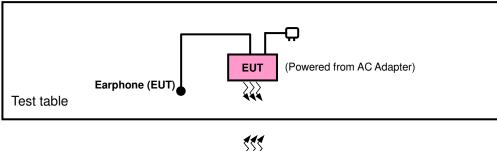
#### Note:

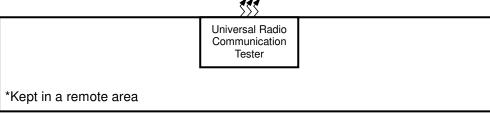
- 1. The EUT's accessories list refers to Ext. Pho.
- 2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.



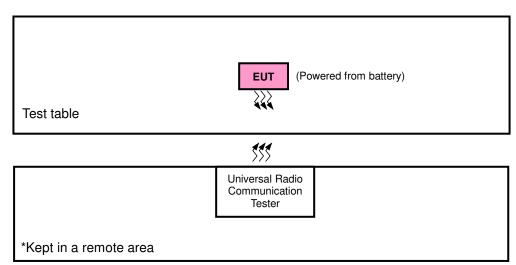
# 3.2 Configuration of System Under Test

## <Radiated Emission Test>





### <E.I.R.P. Test>



# 3.2.1 **Description of Support Units**

The EUT has been tested as an independent unit together with other necessary accessories or support units.



## 3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports

The worst case was found when positioned on X-plane for EIRP and Y-axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
	EIRP	27685 to 27735	27685, 27710, 27735	5 MHz	QPSK, 16QAM	1 RB / 0 RB Offset
_	LINF	27710	27710	10 MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	Frequency	27685 to 27735	27710	5 MHz	QPSK	1 RB / 0 RB Offset
_	Stability	27710	27710	10 MHz	QPSK	1 RB / 0 RB Offset
	Occupied Bandwidth	27685 to 27735	27685, 27710, 27735	5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset
-		27710	27710	10 MHz	QPSK, 16QAM	50 RB / 0 RB Offset
	David Edava	27685 to 27735	27685, 27710, 27735	5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset
-	Band Edge	27710	27710	10 MHz	QPSK, 16QAM	50 RB / 0 RB Offset
	Conducted	27685 to 27735	27710	5 MHz	QPSK	1 RB / 0 RB Offset
	Emission	27710	27710	10 MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission	27685 to 27735	27710	5 MHz	QPSK	1 RB / 0 RB Offset

**Note:** This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

### **Test Condition:**

Test Item	Environmental Conditions	Input Power	Tested By
EIRP	25 deg. C, 65 % RH	3.85 Vdc	Toby Tian
Frequency Stability	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Occupied Bandwidth	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Band Edge	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Condcudeted Emission	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Radiated Emission	25 deg. C, 65 % RH	120 Vac, 60 Hz	Toby Tian



## 3.4 EUT Operating Conditions

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

### 3.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2
FCC 47 CFR Part 27
KDB 971168 D01 Power Meas License Digital Systems v02r02
ANSI/TIA/EIA-603-D 2010

**NOTE:** All test items have been performed and recorded as per the above standards.



#### 4 Test Types and Results

## 4.1 Output Power Measurement

#### 4.1.1 Limits of Output Power Measurement

Mobile and portable stations. (i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

#### 4.1.2 Test Procedures

#### **EIRP Measurement:**

- a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 10 MHz for LTE mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G.
- d. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.

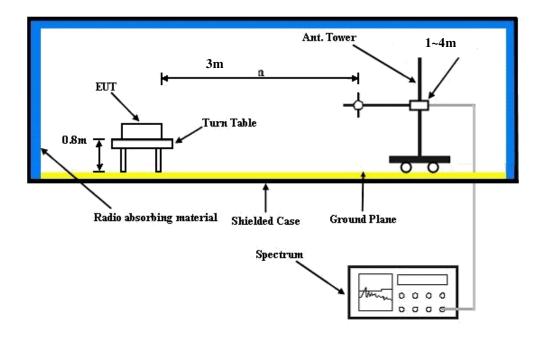
#### **Conducted Power Measurement:**

- a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.



## 4.1.3 Test Setup

### **EIRP / ERP Measurement:**



For the actual test configuration, please refer to the attached file (Test Setup Photo).

## **Conducted Power Measurement:**





# 4.1.4 Test Results

# **Conducted Output Power (dBm)**

			QPSK							
LTE Band /	RB	RB	Low Ch 27685	Mid Ch 27710	High Ch 27735	3GPP MPR	Low Ch 27685	Mid Ch 27710	High Ch 27735	3GPP MPR
BW	Size	Offset	2307.5 MHz	2310.0 MHz	2312.5 MHz	(dB)	2307.5 MHz	2310.0 MHz	2312.5 MHz	(dB)
	1	0	22.80	22.86	22.67	0	21.84	21.91	21.68	1
	<u> </u>									1
	1	12	22.70	22.77	22.61	0	21.74	21.81	21.62	1
	1	24	22.65	22.73	22.55	0	21.64	21.76	21.46	1
30 / 5M	12	0	21.78	21.84	21.70	1	20.78	20.83	20.61	2
	12	6	21.75	21.81	21.63	1	20.71	20.80	20.57	2
	12	13	21.74	21.80	21.61	1	20.70	20.78	20.56	2
	25	0	21.67	21.79	21.60	1	20.66	20.76	20.55	2

LTE Band / BW	RB Size	RB Offset	QPSK Mid Ch 27710 2310.0 MHz	3GPP MPR (dB)	16QAM Mid Ch 27710 2310.0 MHz	3GPP MPR (dB)
	1	0	22.98	0	21.96	1
	1	24	22.70	0	21.68	1
	1	49	22.48	0	21.46	1
30 / 10M	25	0	21.93	1	20.91	2
	25	12	21.80	1	20.78	2
	25	25	21.67	1	20.65	2
	50	0	21.85	1	20.83	2



# EIRP Power (dBm)

				LTE Band 30							
Channel Bandwidth: 5 MHz / QPSK											
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)				
	27685	2307.5	-18.06	38.67	20.61	115.13					
	27710	2310.0	-17.80	38.42	20.62	115.37	Н				
l <sub>x</sub>	27735	2312.5	-18.11	38.70	20.59	114.63					
_ ^	27685	2307.5	-27.52	39.07	11.55	14.30					
	27710	2310.0	-27.53	39.32	11.79	15.10	V				
	27735	2312.5	-27.71	39.34	11.63	14.54					
			Channel Ba	ndwidth: 5 MHz	/ 16QAM						
	27685	2307.5	-19.05	38.67	19.62	91.66					
	27710	2310.0	-18.78	38.42	19.64	92.07	Н				
V	27735	2312.5	-19.13	38.70	19.57	90.64					
X	27685	2307.5	-28.06	39.07	11.01	12.63					
	27710	2310.0	-28.08	39.32	11.24	13.30	V				
	27735	2312.5	-28.19	39.34	11.15	13.02					

	LTE Band 30									
Channel Bandwidth: 10 MHz / QPSK										
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (mW)	Polarization (H/V)			
Х	27710	2310.0	-17.70	38.42	20.72	118.06	Н			
_ ^	27710	2310.0	-27.29	39.32	12.03	15.96	V			
Channel Bandwidth: 10 MHz / 16QAM										
X	27710	2310.0	-18.61	38.42	19.81	95.74	Н			
	27710	2310.0	-28.01	39.32	11.31	13.52	V			



## 4.2 Frequency Stability Measurement

#### 4.2.1 Limits of Frequency Stability Measurement

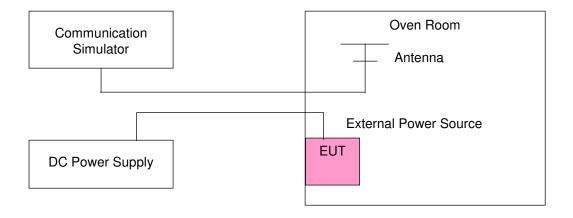
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

#### 4.2.2 Test Procedure

- a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the  $\pm 0.5$  °C during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

**Note:** The frequency error was recorded frequency error from the communication simulator.

#### 4.2.3 Test Setup



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## 4.2.4 Test Results

Frequency Error vs. Voltage

	Frequency		
Voltage (Volts)	LTE B	Limit (ppm)	
	5 MHz	10 MHz	
3.85	0.0015	0.0009	2.5
3.6	0.0012	0.0007	2.5
4.4	0.0016	0.0012	2.5

Note: The applicant defined the normal working voltage of the battery is from 3.6 Vdc to 4.4 Vdc.

Frequency Error vs. Temperature

	Frequency	Error (ppm)				
Temp. (℃)	LTE Ba	Limit (ppm)				
	5 MHz	10 MHz				
-30	0.0005	0.0007	2.5			
-20	0.0005	0.0013	2.5			
-10	0.0009	0.0009	2.5			
0	0.0006	0.0009	2.5			
10	0.0016	0.0016	2.5			
20	-0.0015	-0.0014	2.5			
30	-0.0007	-0.0007	2.5			
40	-0.0017	-0.0016	2.5			
50	-0.0006	-0.0013	2.5			
55	-0.0006	-0.0006	2.5			



## 4.3 Occupied Bandwidth Measurement

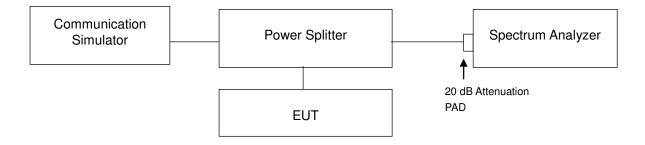
#### 4.3.1 Limits of Occupied Bandwidth Measurement

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

### 4.3.2 Test Procedure

- a. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- b. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

### 4.3.3 Test Setup

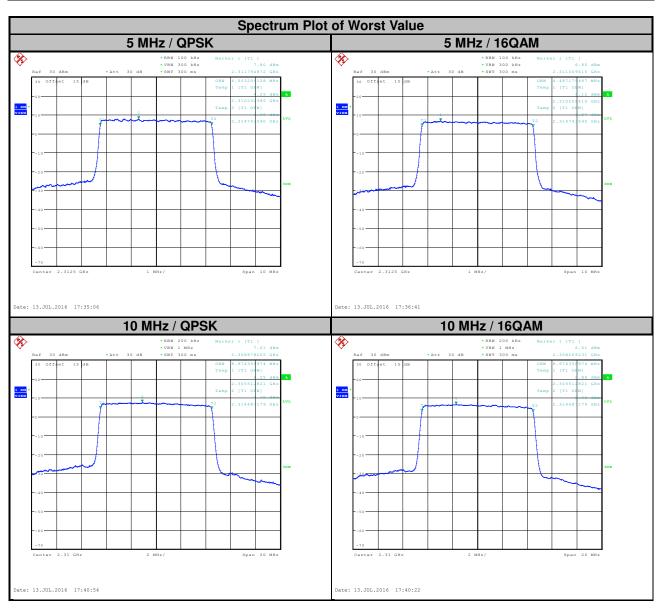


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### 4.3.4 Test Result

LTE Band 30							
	Channel Band	dwidth: 5 MH	z	Channel Bandwidth: 10 MHz			
Channel	Frequency		ccupied Ith (MHz)	Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
	(MHz)	QPSK	16QAM			QPSK	16QAM
27685	2307.5	4.487	4.487	27710	2310.0	8.974	
27710	2310.0	4.503	4.487				8.974
27735	2312.5	4.503	4.487				





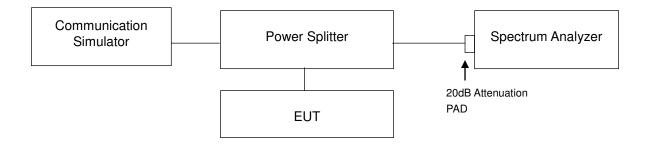
#### 4.4 Band Edge Measurement

#### 4.4.1 Limits of Band Edge Measurement

According to FCC 27.53(a) (4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

- (i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;
- (ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;
- (iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

#### 4.4.2 Test Setup

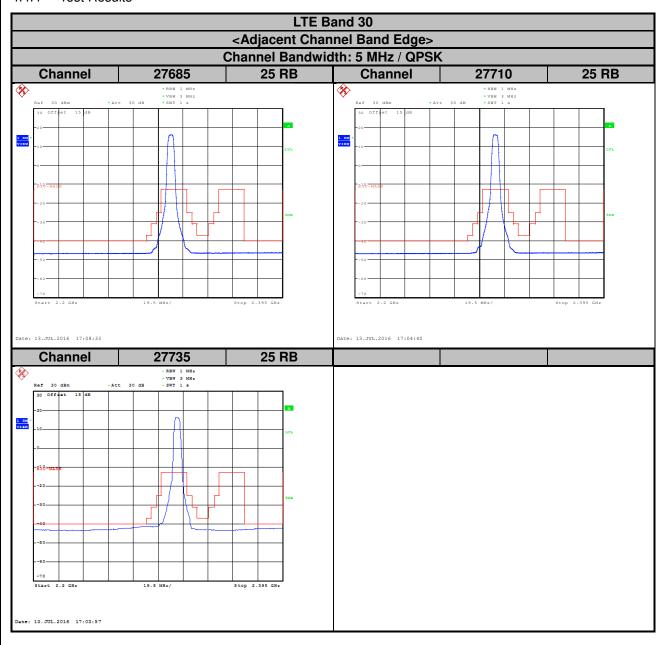


#### 4.4.3 Test Procedures

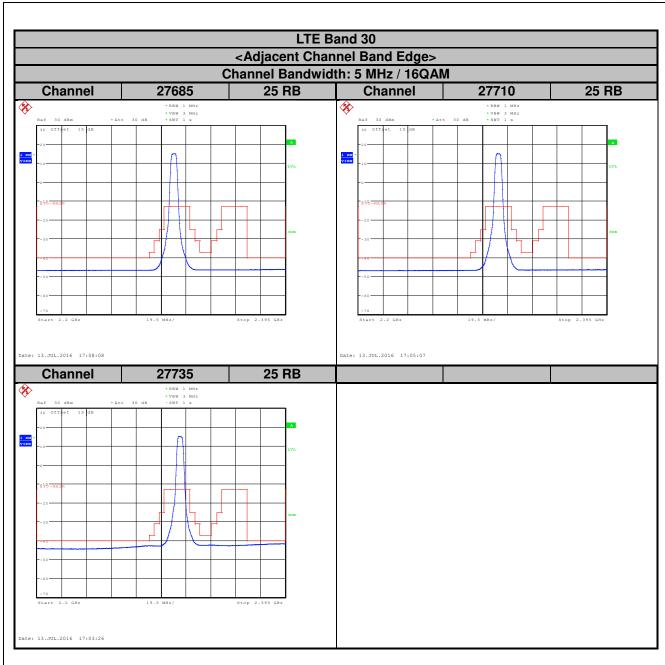
- a. The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range).
- b. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- c. Measuring frequency range is from 2200 MHz to 2395 MHz for LTE Band 30. 10 dB attenuation pad is connected with spectrum. RBW=1 MHz and VBW=3 MHz are used for conducted emission measurement.
- d. Record the max trace plot into the test report.



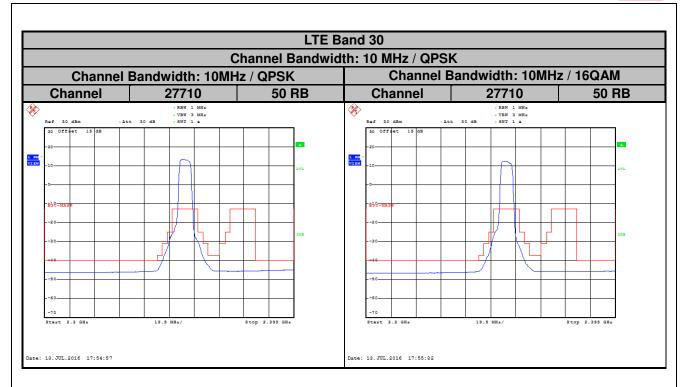
## 4.4.4 Test Results











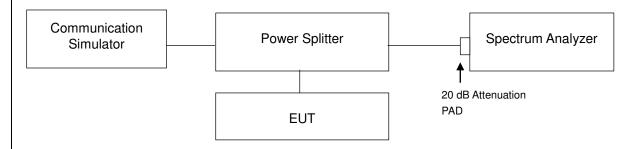


## 4.5 Conducted Spurious Emissions

#### 4.5.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 70 +10 log10(P) dB. The limit of emission is equal to -40 dBm.

#### 4.5.2 Test Setup

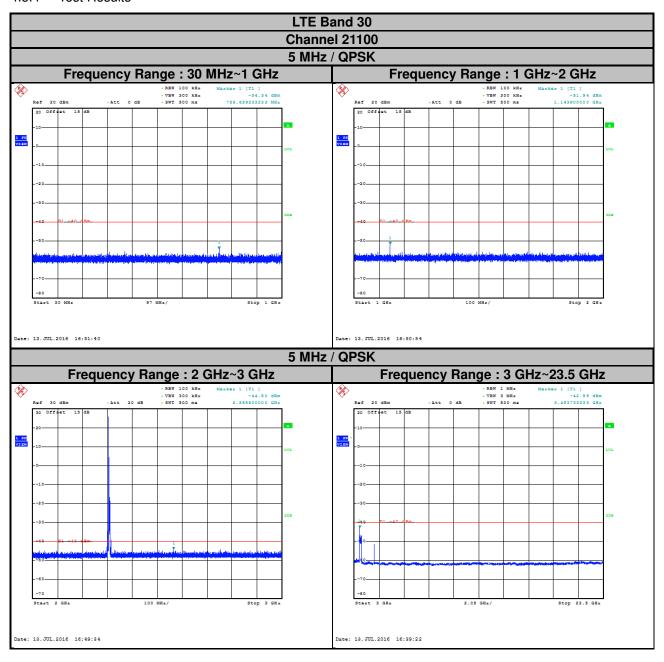


#### 4.5.3 Test Procedure

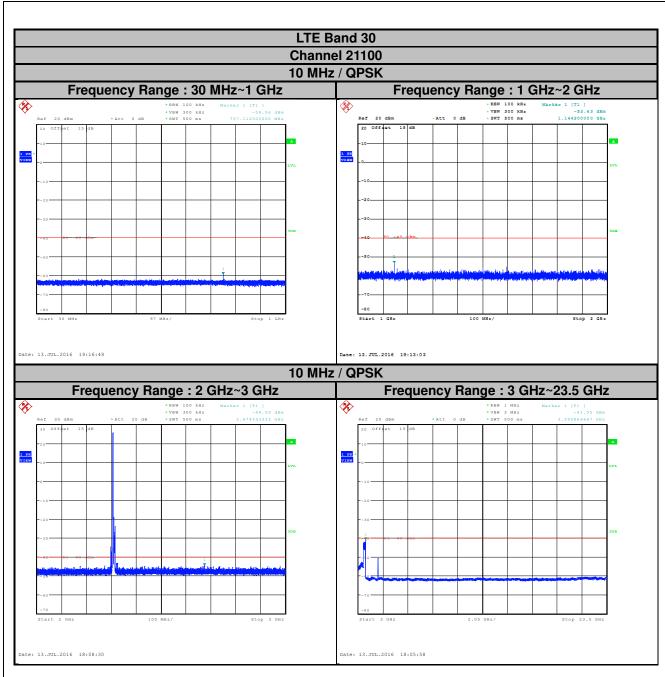
- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. Measuring frequency range is from 30 MHz to 23.5 GHz for LTE Band 30. 10 dB attenuation pad is connected with spectrum. RBW=1 MHz and VBW=3 MHz are used for conducted emission measurement.



### 4.5.4 Test Results









#### 4.6 Radiated Emission Measurement

### 4.6.1 Limits of Radiated Emission Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 70 +10 log10(P) dB. The limit of emission is equal to -40 dBm.

#### 4.6.2 Test Procedure

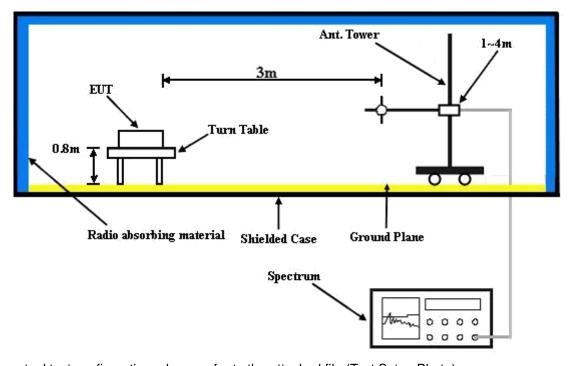
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- c. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power 2.15 dBi.

Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

#### 4.6.3 Deviation from Test Standard

No deviation.

#### 4.6.4 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).



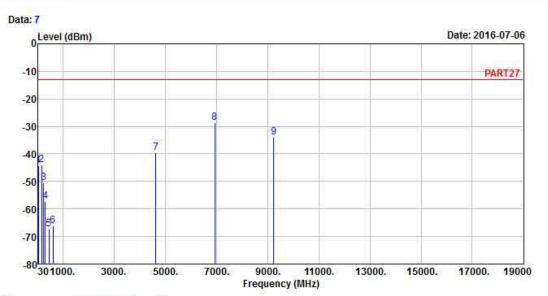
### 4.6.5 Test Results

LTE Band 30

Channel Bandwidth: 10 MHz / QPSK



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5 Condition: PART27 HORIZONTAL

Remak : LTE Band 30\_QPSK\_10M Link

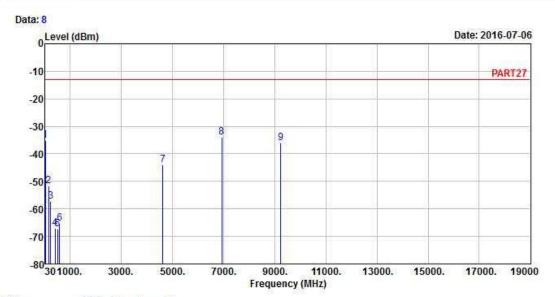
Tested by: Toby Tian

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
8	MHz	dBm	dBm	dBm	dB	dB	-
1	30.97	-44.16	-44.05	-13.00	-31.16	-0.11	Peak
2	169.68	-43.87	-38.34	-13.00	-30.87	-5.53	Peak
3	238.55	-50.38	-43.92	-13.00	-37.38	-6.46	Peak
4 5	305.48	-57.29	-50.37	-13.00	-44.29	-6.92	Peak
5	452.92	-67.43	-61.93	-13.00	-54.43	-5.50	Peak
6	601.33	-66.14	-65.38	-13.00	-53.14	-0.76	Peak
7	4620.00	-39.60	-35.52	-13.00	-26.60	-4.08	Peak
8 pp	6930.00	-28.72	-33.01	-13.00	-15.72	4.29	Peak
9	9240.00	-33.95	-41.61	-13.00	-20.95	7.66	Peak





# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5 Condition: PART27 VERTICAL

Remak : LTE Band 30\_QPSK\_10M Link

Tested by: Toby Tian

	11 <u>2</u> 2372723	(PRESSEE)	Kead	Limit	Over	42000	Market Attendings
	Freq	Level	Level	Line	Limit	Factor	Remark
8	MHz	dBm	dBm	dBm	dB	dB	
1	30.97	-35.08	-34.97	-13.00	-22.08	-0.11	Peak
2	165.80	-51.67	-46.42	-13.00	-38.67	-5.25	Peak
3	238.55	-57.15	-50.69	-13.00	-44.15	-6.46	Peak
4	409.27	-67.00	-61.13	-13.00	-54.00	-5.87	Peak
5	504.33	-67.40	-62.93	-13.00	-54.40	-4.47	Peak
6	589.69	-65.37	-64.17	-13.00	-52.37	-1.20	Peak
7	4620.00	-44.09	-40.01	-13.00	-31.09	-4.08	Peak
8 pp	6930.00	-33.99	-38.28	-13.00	-20.99	4.29	Peak
9	9240.00	-36.00	-43.66	-13.00	-23.00	7.66	Peak



5 I	Pictures of Test Arrangements				
	Please refer to the attached file (Test Setup Photo).				



### Appendix - Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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