FCC TEST REPORT

(PART 24)

REPORT NO.:	RF150520C16-1
MODEL NO.:	0PKX200
FCC ID:	NM80PKX200
RECEIVED:	May 20, 2015
TESTED:	Jun. 08, 2015 ~ Jun. 15, 2015
ISSUED:	Jun. 30, 2015

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:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 333, Taiwan, R.O.C.

This report should not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

TABLE OF CONTENTS

RELEASE CONTROL RECORD 3
1 CERTIFICATION 4
2 SUMMARY OF TEST RESULTS 5
2.1 MEASUREMENT UNCERTAINTY 5
2.2 TEST SITE AND INSTRUMENTS 6
3 GENERAL INFORMATION 7
3.1 GENERAL DESCRIPTION OF EUT 7
3.2 CONFIGURATION OF SYSTEM UNDER TEST 8
3.3 DESCRIPTION OF SUPPORT UNITS 8
3.4 TEST ITEM AND TEST CONFIGURATION 9
3.5 EUT OPERATING CONDITIONS 10
3.6 GENERAL DESCRIPTION OF APPLIED STANDARDS 10
4 TEST TYPES AND RESULTS 11
4.1 OUTPUT POWER MEASUREMENT 11
4.1.1 LIMITS OF OUTPUT POWER MEASUREMENT 11
4.1.2 TEST PROCEDURES 11
4.1.3 TEST SETUP 12
4.1.4 TEST RESULTS 13
4.2 FREQUENCY STABILITY MEASUREMENT 15
4.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT 15
4.2.2 TEST PROCEDURE 15
4.2.3 TEST SETUP 15
4.2.4 TEST RESULTS 16
4.3 OCCUPIED BANDWIDTH MEASUREMENT 17
4.3.1 TEST PROCEDURES 17
4.3.2 TEST SETUP 17
4.3.3 TEST RESULTS 18
4.4 PEAK TO AVERAGE RATIO 19
4.4.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT 19
4.4.2 TEST SETUP 19
4.4.3 TEST PROCEDURES 19
4.4.4 TEST RESULTS 20
4.5 BAND EDGE MEASUREMENT 21
4.5.1 LIMITS OF BAND EDGE MEASUREMENT 21
4.5.2 TEST SETUP 21
4.5.3 TEST PROCEDURES 21
4.5.4 TEST RESULTS 22
4.6 CONDUCTED SPURIOUS EMISSIONS 23
4.6.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT 23
4.6.2 TEST PROCEDURE 23
4.6.3 TEST SETUP 23
4.6.4 TEST RESULTS 23
4.7 RADIATED EMISSION MEASUREMENT 24
4.7.1 LIMITS OF RADIATED EMISSION MEASUREMENT 24
4.7.2 TEST PROCEDURES 24
4.7.3 DEVIATION FROM TEST STANDARD 24
4.7.4 TEST SETUP 25
4.7.5 TEST RESULTS 26
5 PHOTOGRAPHS OF THE TEST CONFIGURATION 32
6 INFORMATION ON THE TESTING LABORATORIES 33
7 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB 34

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF150520C16-1	Original release	Jun. 30, 2015

1 CERTIFICATION

PRODUCT:	Smartphone
MODEL:	0PKX200
BRAND:	HTC
APPLICANT:	HTC Corporation
TESTED:	Jun. 08, 2015 ~ Jun. 15, 2015
TEST SAMPLE:	Production Unit
STANDARDS:	**FCC Part 24, Subpart E**

The above equipment (model: 0PKX200) 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.

PREPARED BY : _____ **, DATE :** Jun. 30, 2015

Ivonne Wu / Supervisor

APPROVED BY : _____ **, DATE :** Jun. 30, 2015

Kay Wu / Supervisor

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 24 & Part 2			
STANDARD SECTION	**TEST TYPE**	**RESULT**	**REMARK**
2.1046 24.232	Equivalent Isotropic Radiated Power	PASS	Meet the requirement of limit.
2.1055 24.235	Frequency Stability	PASS	Meet the requirement of limit.
2.1049 24.238(b)	Occupied Bandwidth	PASS	Meet the requirement of limit.
24.232(d)	Peak to average ratio	PASS	Meet the requirement of limit.
24.238(b)	Band Edge Measurements	PASS	Meet the requirement of limit.
2.1051 24.238	Conducted Spurious Emissions	PASS	Meet the requirement of limit.
2.1053 24.238	Radiated Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -17.83dB at 13160.00MHz.

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	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2.2 TEST SITE AND INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver Agilent	N9038A	MY51210203	Jan. 21, 2015	Jan. 21, 2016
Spectrum Analyzer Agilent	N9010A	MY52220314	Sep. 03, 2014	Sep. 02, 2015
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 10, 2014	Dec. 09, 2015
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Feb. 04, 2015	Feb. 04, 2016
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-969	Feb. 09, 2015	Feb. 09, 2016
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Feb. 04, 2015	Feb. 04, 2016
Preamplifier EMCI	EMC 012645	980115	Dec. 12, 2014	Dec. 11, 2015
Preamplifier EMCI	EMC 184045	980116	Jan. 09, 2015	Jan. 08, 2016
Preamplifier EMCI	EMC 330H	980112	Dec. 27, 2014	Dec. 26, 2015
Power Meter Anritsu	ML2495A	1232002	Sep. 17, 2014	Sep. 16, 2015
Power Sensor Anritsu	MA2411B	1207325	Sep. 17, 2014	Sep. 16, 2015
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309219/4 2950114	Oct. 18, 2014	Oct. 17, 2015
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250130/4	Oct. 18, 2014	Oct. 17, 2015
RF Coaxial Cable Worken	8D-FB	Cable-Ch10-01	Nov. 07, 2014	Nov. 06, 2015
Software BV ADT	E3 6.120103	NA	NA	NA
Antenna Tower	MFA-440H	NA	NA	NA
Turn Table	MFT-201SS	NA	NA	NA
Antenna Tower &Turn Table Controller MF	MF-7802	NA	NA	NA
Communications Tester-Wireless Agilent	8960	MY50260642	Nov. 25, 2013	Nov. 24, 2015

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 HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 690701.
5. The IC Site Registration No. is IC 7450F-10.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

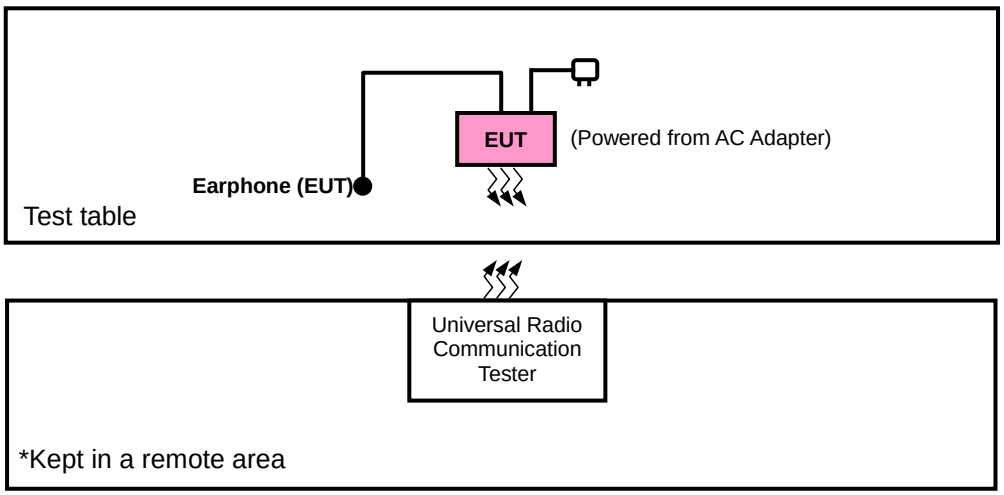
EUT	Smartphone	
MODEL NO.	0PKX200	
POWER SUPPLY	5.0Vdc (adapter or host equipment) 3.8Vdc or 3.85Vdc (battery)	
MODULATION TYPE	**GSM/GPRS**	GMSK
	EDGE	GMSK, 8PSK
FREQUENCY RANGE	**GSM/GPRS/EDGE**	1850.2MHz ~ 1909.8MHz
MAX. EIRP POWER	**GSM**	371.54mW
	EDGE	238.78mW
EMISSION DESIGNATOR	**GSM**	246KGXW
	EDGE	249KG7W
ANTENNA TYPE	Fixed Internal Antenna	
I/O PORTS	Refer to users' manual	
DATA CABLE	Refer to NOTE as below	
ACCESSORY DEVICES	Refer to NOTE as below	

NOTE:

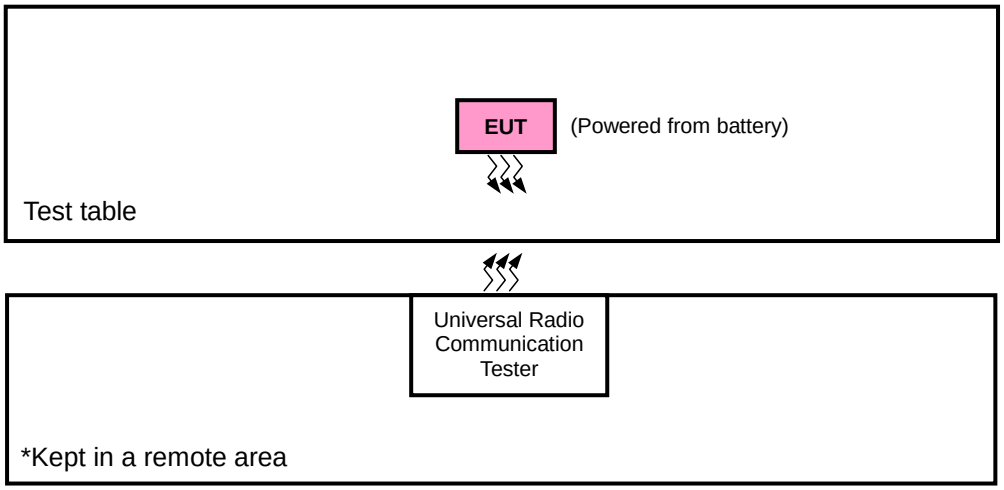
1. There're 2 configurations for the EUT listed as below.
   Main sample (A): Phone + Battery 1 + LCD Panel 1 + Photo Camera + Video Camera 1 + Memory 1
   2nd sample (B): Phone + Battery 2 + LCD Panel 2 + Photo Camera + Video Camera 2 + Memory 2
   ✧ Only the worst data was presented in the report.
2. The EUT's accessories list refers to Ext. Pho.
3. The above EUT information was 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

FOR RADIATION EMISSION TEST



FOR E.I.R.P. TEST



3.3 DESCRIPTION OF SUPPORT UNITS

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

3.4 TEST ITEM AND TEST CONFIGURATION

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 Z-plane for EIRP and Z-axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	Main sample
B	2nd sample

GSM MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
A	EIRP	512 to 810	512, 661, 810	GSM, EDGE
B	EIRP	512 to 810	512, 661, 810	GSM
A	FREQUENCY STABILITY	512 to 810	661	GSM, EDGE
A	OCCUPIED BANDWIDTH	512 to 810	512, 661, 810	GSM, EDGE
A	PEAK TO AVERAGE RATIO	512 to 810	512, 661, 810	GSM, EDGE
A	BAND EDGE	512 to 810	512, 810	GSM, EDGE
A	CONDUCTED EMISSION	512 to 810	661	GSM, EDGE
A	RADIATED EMISSION	512 to 810	661	GSM, EDGE
B	RADIATED EMISSION	512 to 810	661	GSM

TEST CONDITION:

Test Item	Environmental Conditions	Input Power	Tested by
EIRP	26deg. C, 58%RH	3.8Vdc	Charles Hsiao
FREQUENCY STABILITY	26deg. C, 58%RH	3.8Vdc	Carlos Chen
OCCUPIED BANDWIDTH	26deg. C, 58%RH	3.8Vdc	Carlos Chen
PEAK TO AVERAGE RATIO	26deg. C, 58%RH	3.8Vdc	Carlos Chen
BAND EDGE	26deg. C, 58%RH	3.8Vdc	Carlos Chen
CONDUCTED EMISSION	26deg. C, 58%RH	3.8Vdc	Carlos Chen
RADIATED EMISSION	25deg. C, 65%RH	120Vac, 60Hz	Charles Hsiao / Karl Lee

3.5 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

3.6 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 24
ANSI/TIA/EIA-603-C 2004

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 are limited to 2 watts EIRP.

4.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

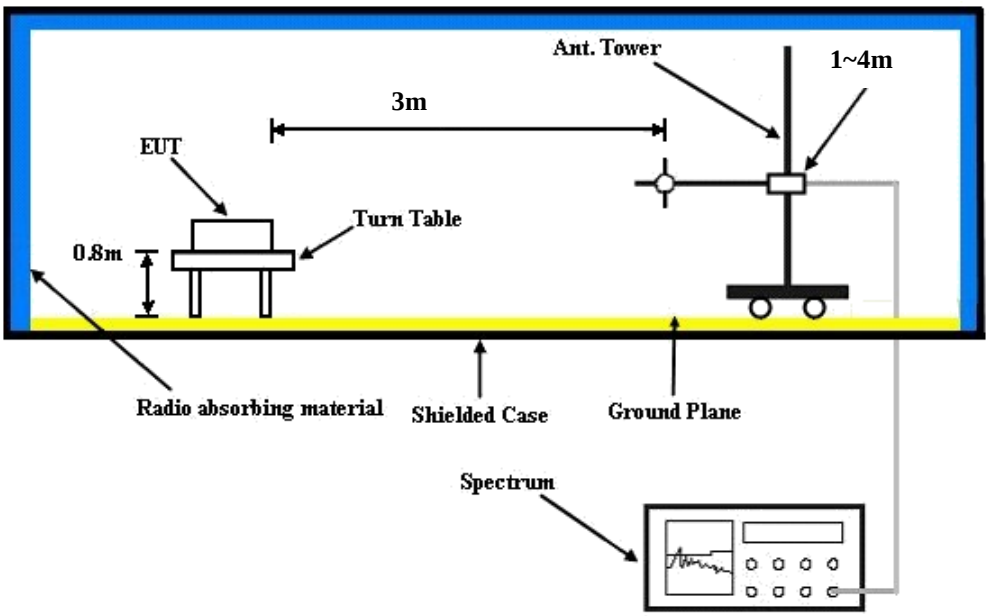
a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 1MHz for GSM, GPRS & EDGE mode.
b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m 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:

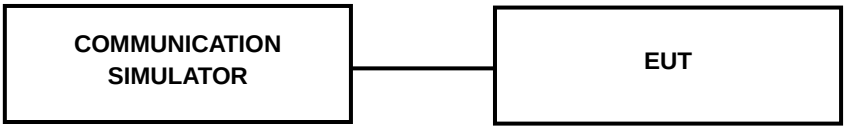
The EUT was set up for the maximum power with GSM, GPRS, EDGE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

4.1.3 TEST SETUP

EIRP / ERP MEASUREMENT:



CONDUCTED POWER MEASUREMENT:



4.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

Band	GSM1900		
Channel	512	661	810
Frequency (MHz)	1850.2	1880.0	1909.8
GSM (1 Uplink)	28.42	28.53	**28.64**
GPRS 8 (GMSK, 1 slot)	28.45	28.51	28.62
GPRS 10 (GMSK, 2 slot)	26.88	26.99	27.10
GPRS 11 (GMSK, 3 slot)	25.30	25.77	25.73
GPRS 12 (GMSK, 4 slot)	23.26	23.52	23.63
EDGE 8 (8PSK, 1 Uplink)	24.67	24.78	24.89
EDGE 10 (8PSK, 2 Uplink)	23.08	23.19	23.30
EDGE 11 (8PSK, 3 Uplink)	21.16	21.43	21.52
EDGE 12 (8PSK, 4 Uplink)	19.50	19.78	19.85

EIRP POWER (dBm)

MODE A

GSM							
Plane	**Channel**	**Frequency (MHz)**	**LVL (dBm)**	**Correction Factor(dB)**	**EIRP(dBm)**	**EIRP(mW)**	**Polarization (H/V)**
Z	512	1850.2	-25.63	44.70	19.07	80.72	H
	661	1880.0	-24.75	44.70	19.95	98.86	H
	810	1909.8	-24.82	44.57	19.75	94.47	H
	512	1850.2	-18.86	44.27	25.41	347.54	V
	661	1880.0	-19.18	44.87	25.69	370.68	V
	810	1909.8	-19.09	44.61	25.52	356.70	V

EDGE							
Plane	**Channel**	**Frequency (MHz)**	**LVL (dBm)**	**Correction Factor(dB)**	**EIRP(dBm)**	**EIRP(mW)**	**Polarization (H/V)**
Z	512	1850.2	-27.45	44.70	17.25	53.09	H
	661	1880.0	-26.82	44.70	17.88	61.38	H
	810	1909.8	-26.81	44.57	17.76	59.74	H
	512	1850.2	-20.55	44.27	23.72	235.50	V
	661	1880.0	-21.09	44.87	23.78	238.78	V
	810	1909.8	-21.03	44.61	23.58	228.19	V

MODE B

GSM							
Plane	**Channel**	**Frequency (MHz)**	**LVL (dBm)**	**Correction Factor(dB)**	**EIRP(dBm)**	**EIRP(mW)**	**Polarization (H/V)**
Z	512	1850.2	-25.11	44.70	19.59	90.99	H
	661	1880.0	-25.72	44.70	18.98	79.07	H
	810	1909.8	-25.14	44.57	19.43	87.76	H
	512	1850.2	-19.18	44.27	25.09	322.85	V
	661	1880.0	-19.17	44.87	25.70	371.54	V
	810	1909.8	-18.93	44.61	25.68	370.08	V

4.2 FREQUENCY STABILITY MEASUREMENT

4.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

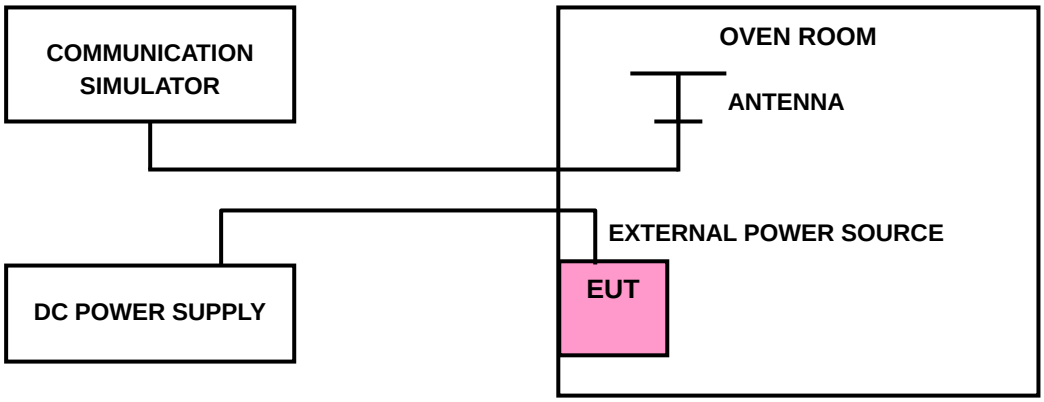
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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 ±0.5℃ 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



4.2.4 TEST RESULTS

FREQUENCY ERROR vs. VOLTAGE

VOLTAGE (Volts)	FREQUENCY ERROR (ppm)		LIMIT (ppm)
	GSM	EDGE	
3.8	0.0028	0.0020	2.5
3.45	0.0008	0.0014	2.5
4.2	0.0005	0.0029	2.5

NOTE: The applicant defined the normal working voltage of the battery is from 3.45Vdc to 4.2Vdc.

FREQUENCY ERROR vs. TEMPERATURE

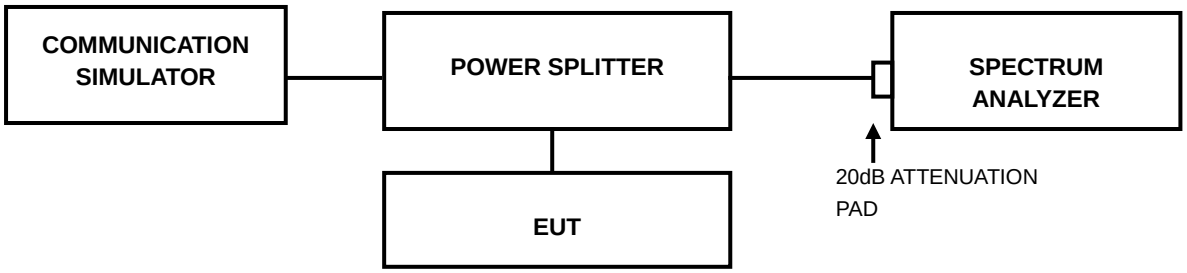
TEMP. (℃)	FREQUENCY ERROR (ppm)		LIMIT (ppm)
	GSM	EDGE	
-30	-0.0025	-0.0021	2.5
-20	0.0033	0.0019	2.5
-10	-0.0030	-0.0019	2.5
0	-0.0011	-0.0021	2.5
10	0.0009	-0.0005	2.5
20	0.0012	0.0030	2.5
30	0.0031	0.0018	2.5
40	0.0018	0.0015	2.5
50	0.0024	0.0007	2.5

4.3 OCCUPIED BANDWIDTH MEASUREMENT

4.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

4.3.2 TEST SETUP

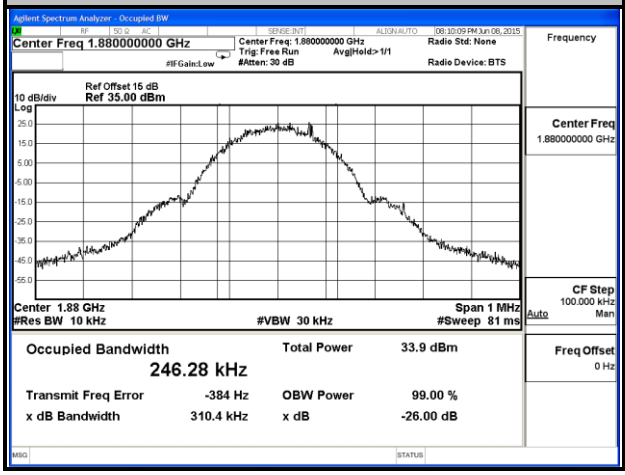


4.3.3 TEST RESULTS

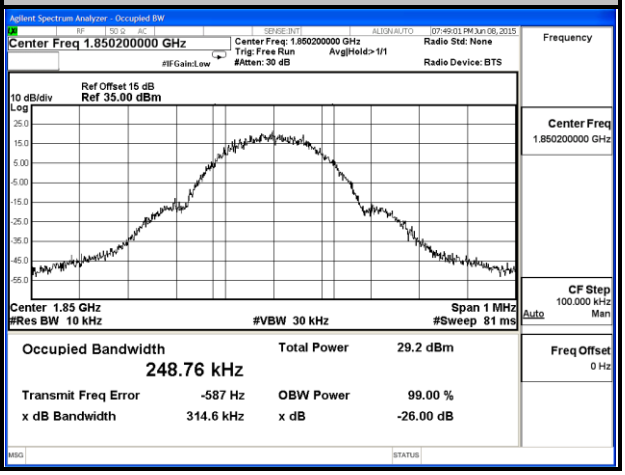
CHANNEL	FREQUENCY	99% OCCUPIED BANDWIDTH (kHz)		26dB BANDWIDTH (kHz)	
		GSM	EDGE	EDGE	EDGE
512	1850.2	245.96	248.76	309.50	314.60
661	1880.0	246.28	245.97	310.40	319.20
810	1909.8	246.18	244.70	316.90	319.30

SPECTRUM PLOT OF WORST VALUE

GSM



EDGE

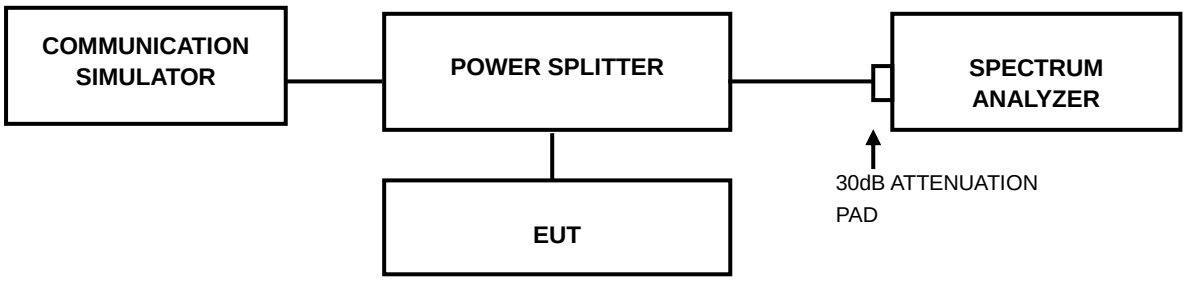


4.4 PEAK TO AVERAGE RATIO

4.4.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

4.4.2 TEST SETUP

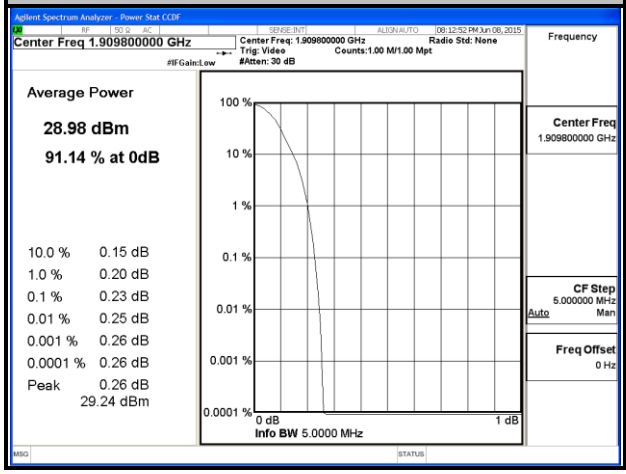
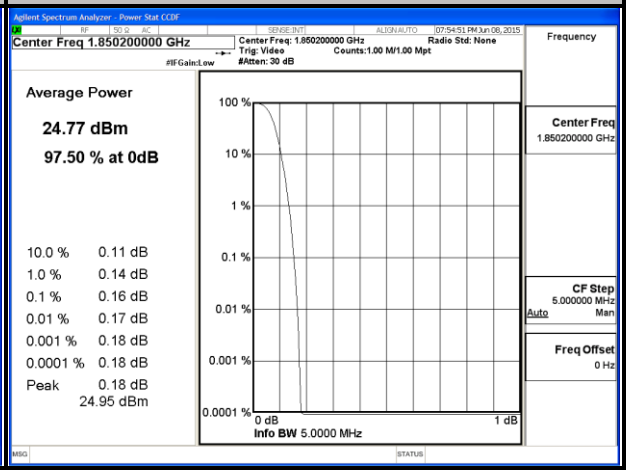


4.4.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

4.4.4 TEST RESULTS

CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)	
		GSM	EDGE
512	1850.2	0.21	0.16
661	1880.0	0.21	0.15
810	1909.8	0.23	0.15

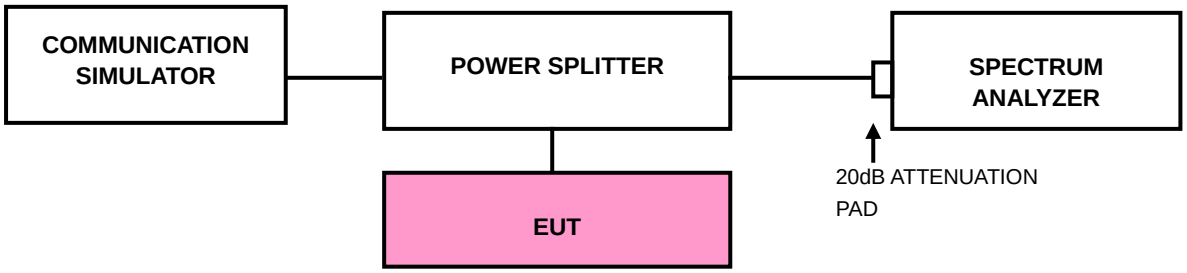
SPECTRUM PLOT OF WORST VALUE	
GSM	EDGE
	

4.5 BAND EDGE MEASUREMENT

4.5.1 LIMITS OF BAND EDGE MEASUREMENT

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

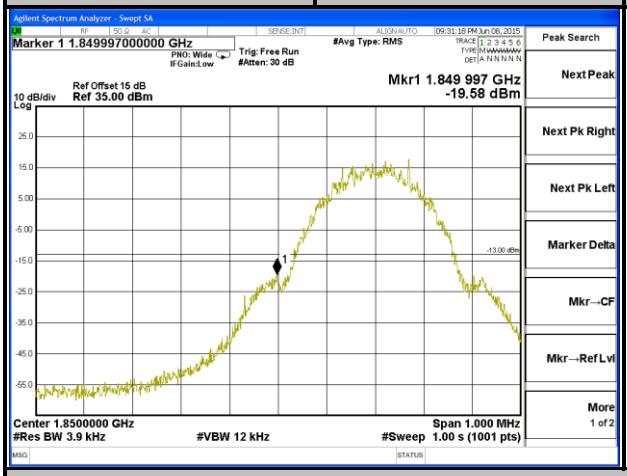
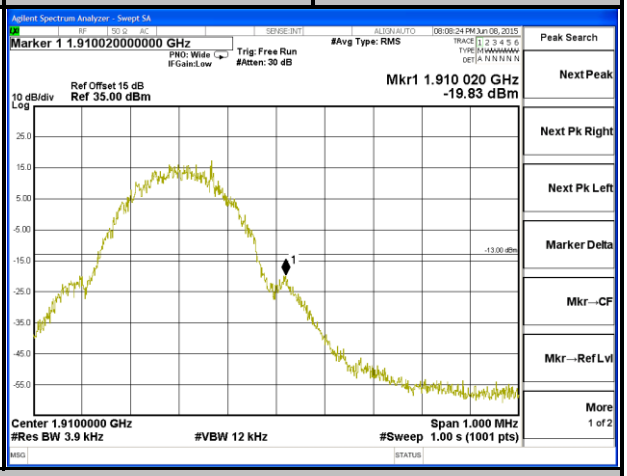
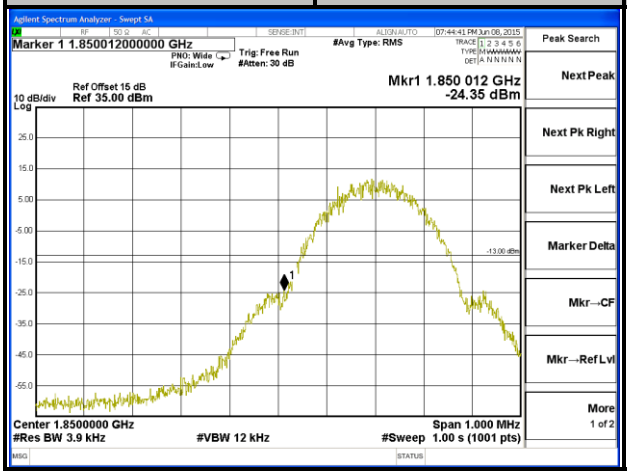
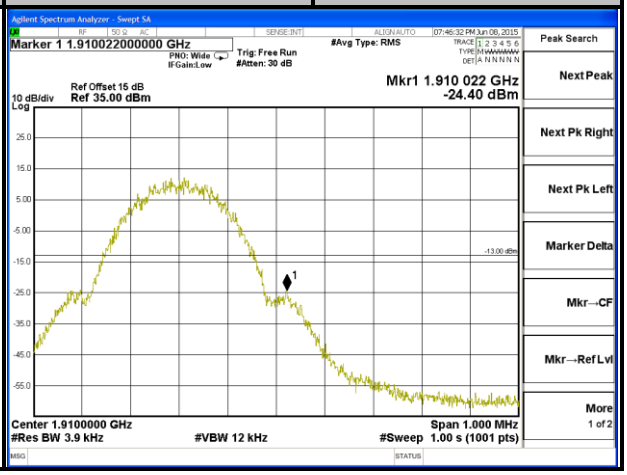
4.5.2 TEST SETUP



4.5.3 TEST PROCEDURES

a. All measurements were done at low and high operational frequency range.
b. The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 3.9kHz and VB of the spectrum is 12kHz (GSM/GPRS/EDGE).
c. Record the max trace plot into the test report.

4.5.4 TEST RESULTS

GSM			
CHANNEL	512	CHANNEL	810
			
EDGE			
CHANNEL	512	CHANNEL	810
			

4.6 CONDUCTED SPURIOUS EMISSIONS

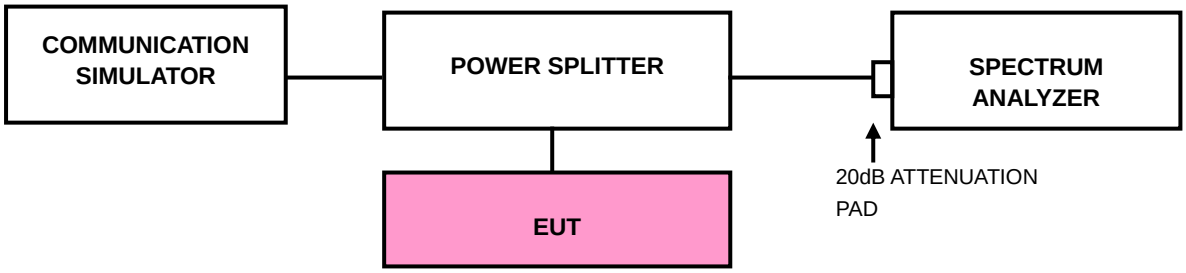
4.6.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit is equal to -13dBm.

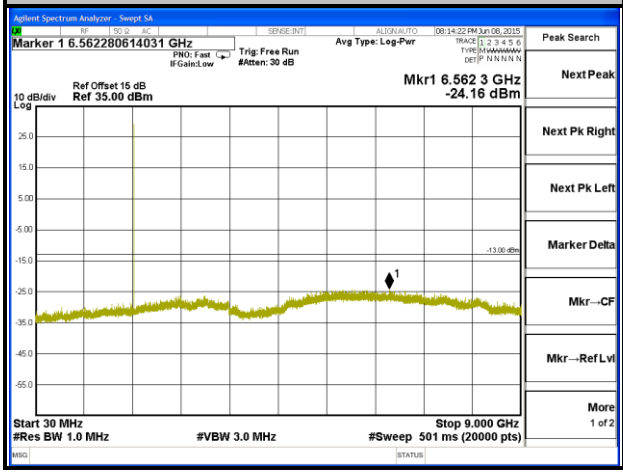
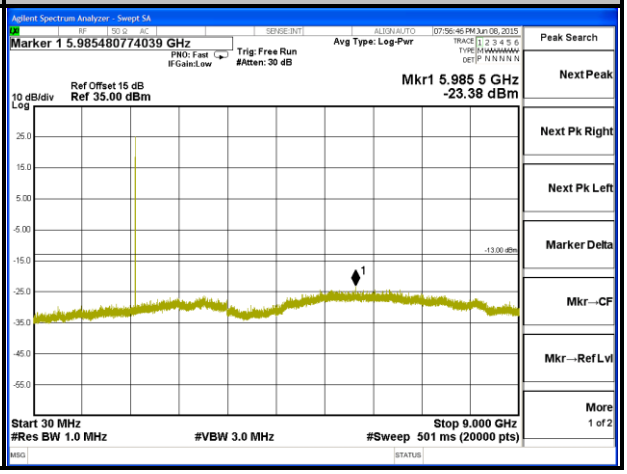
4.6.2 TEST PROCEDURE

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 19.1GHz. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

4.6.3 TEST SETUP



4.6.4 TEST RESULTS

GSM	EDGE
CHANNEL 661	CHANNEL 661
	

4.7 RADIATED EMISSION MEASUREMENT

4.7.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit is equal to -13dBm.

4.7.2 TEST PROCEDURES

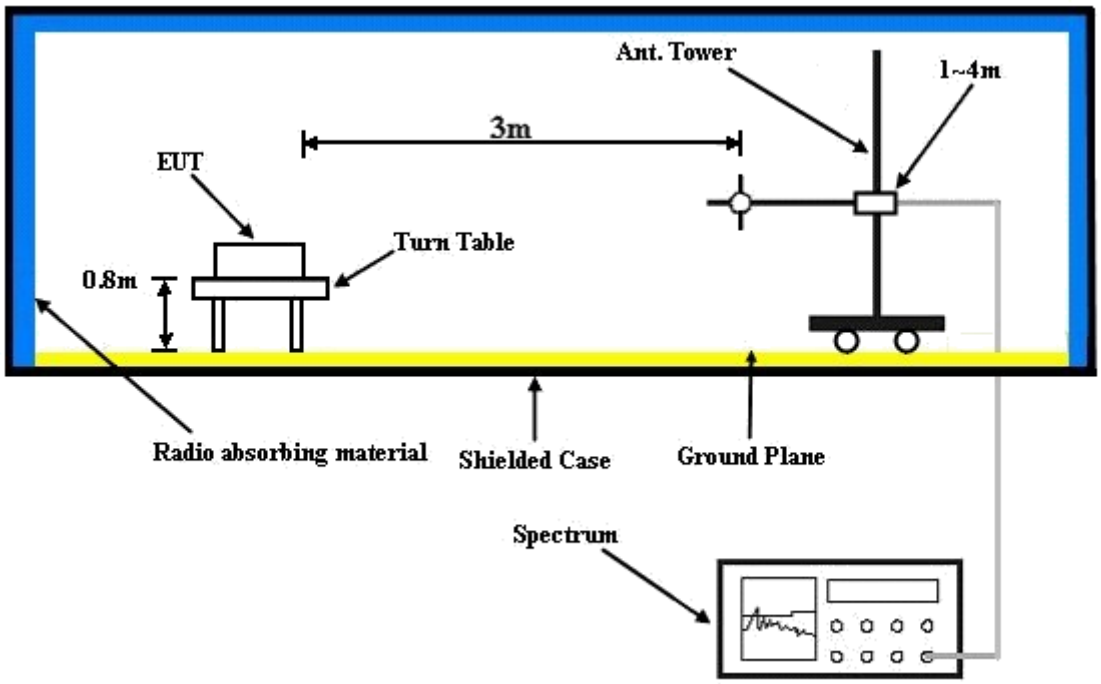
a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m 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.R.P power - 2.15dBi.

NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.7.3 DEVIATION FROM TEST STANDARD

No deviation

4.7.4 TEST SETUP



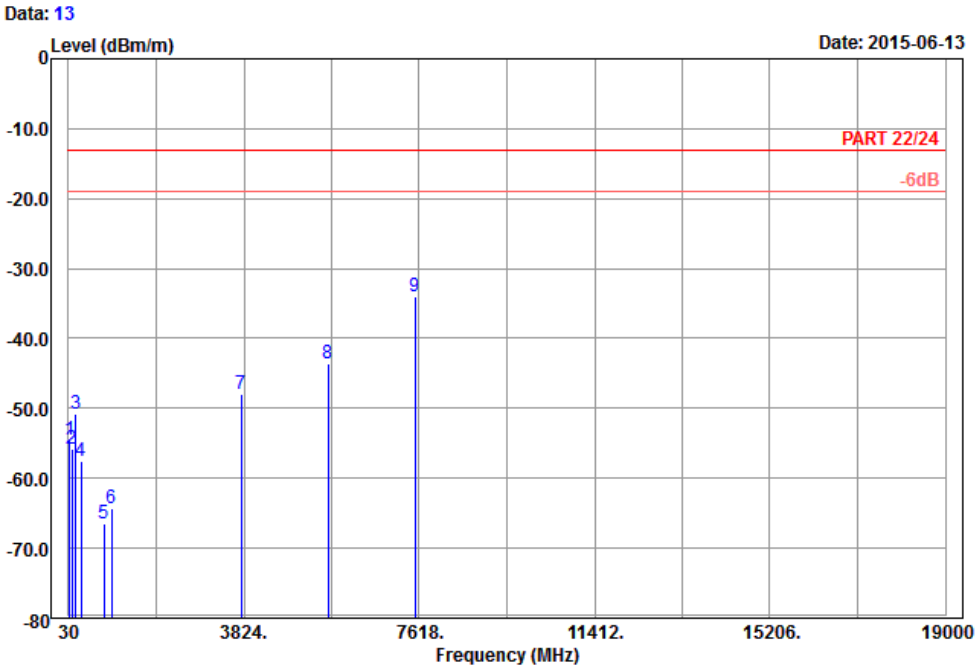
For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.7.5 TEST RESULTS

MODE A

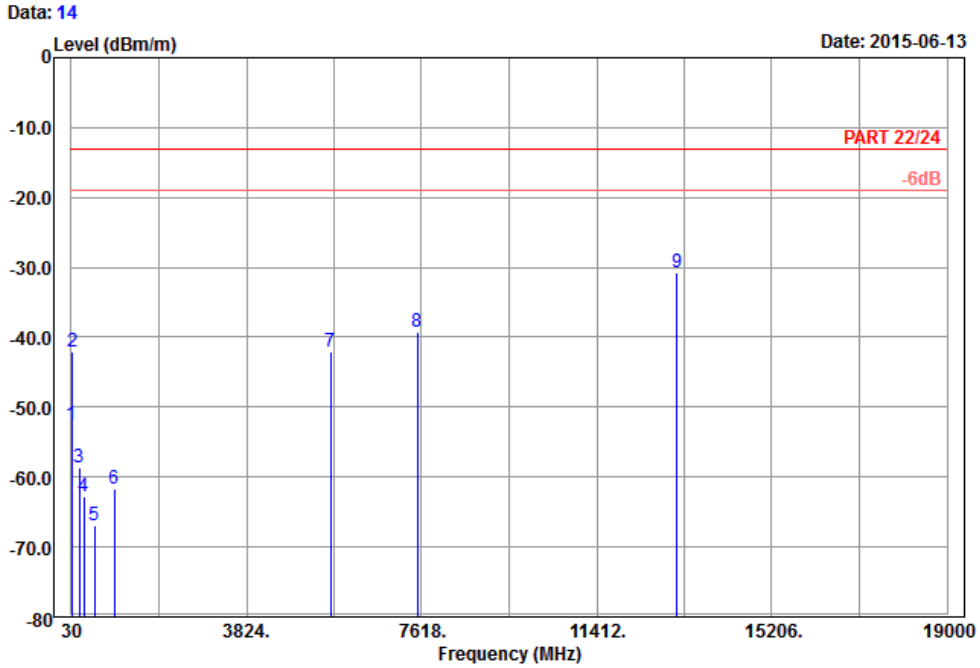
GSM:

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 chamber 1
Condition: PART 22/24 3m Horizontal
Remark : PCS 1900_Link_CH661
Tested by: Charles Hsiao
Plane : Z

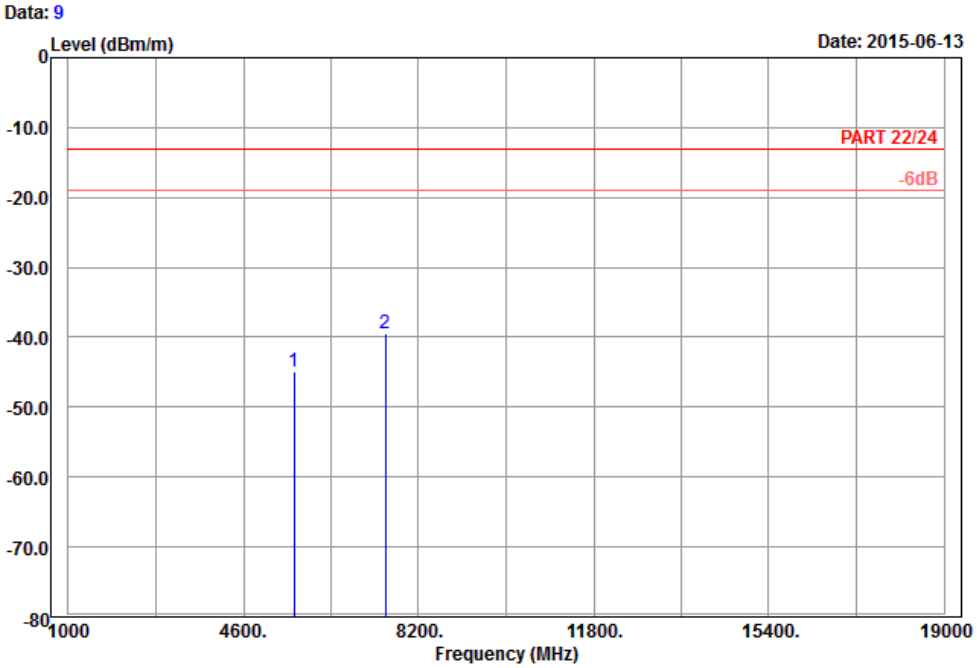
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	53.76	-54.49	-40.43	-13.00	-41.49	-14.06	Peak
2	104.25	-55.73	-46.20	-13.00	-42.73	-9.53	Peak
3	194.70	-50.80	-44.84	-13.00	-37.80	-5.96	Peak
4	309.10	-57.58	-51.73	-13.00	-44.58	-5.85	Peak
5	801.90	-66.48	-68.47	-13.00	-53.48	1.99	Peak
6	958.00	-64.23	-69.36	-13.00	-51.23	5.13	Peak
7	3760.00	-47.97	-64.11	-13.00	-34.97	16.14	Peak
8	5640.00	-43.65	-64.12	-13.00	-30.65	20.47	Peak
9 pp	7520.00	-34.07	-56.75	-13.00	-21.07	22.68	Peak



Site : 966 chamber 1
Condition: PART 22/24 3m Vertical
Remark : PCS 1900_Link_CH661
Tested by: Charles Hsiao
Plane : Z

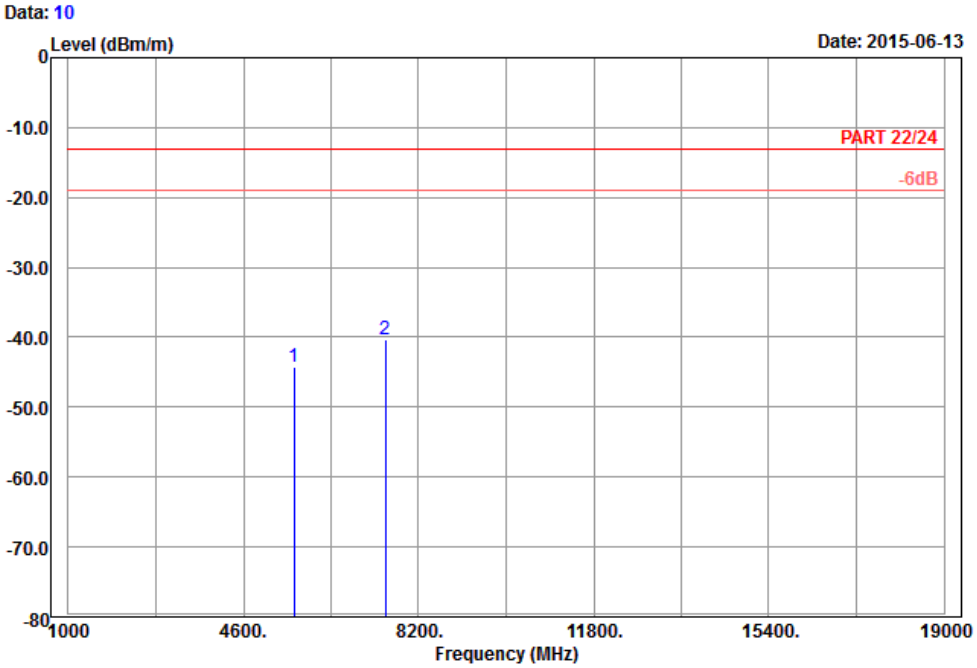
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	30.54	-52.49	-41.84	-13.00	-39.49	-10.65	Peak
2	54.30	-42.08	-28.02	-13.00	-29.08	-14.06	Peak
3	197.94	-58.67	-52.58	-13.00	-45.67	-6.09	Peak
4	304.20	-62.69	-56.79	-13.00	-49.69	-5.90	Peak
5	539.40	-66.97	-64.53	-13.00	-53.97	-2.44	Peak
6	962.20	-61.73	-66.88	-13.00	-48.73	5.15	Peak
7	5640.00	-42.11	-62.58	-13.00	-29.11	20.47	Peak
8	7520.00	-39.23	-61.91	-13.00	-26.23	22.68	Peak
9 pp	13160.00	-30.83	-61.83	-13.00	-17.83	31.00	Peak

EDGE:



Site : 966 chamber 1
Condition: PART 22/24 3m Horizontal
Remark : EDGE 1900_Link_CH661
Tested by: Charles Hsiao
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	5640.00	-44.92	-65.39	-13.00	-31.92	20.47	Peak
2 pp	7520.00	-39.38	-62.06	-13.00	-26.38	22.68	Peak



Site : 966 chamber 1
Condition: PART 22/24 3m Vertical
Remark : EDGE 1900_Link_CH661
Tested by: Charles Hsiao
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	5640.00	-44.33	-64.80	-13.00	-31.33	20.47	Peak
2 pp	7520.00	-40.24	-62.92	-13.00	-27.24	22.68	Peak

MODE B

GSM:

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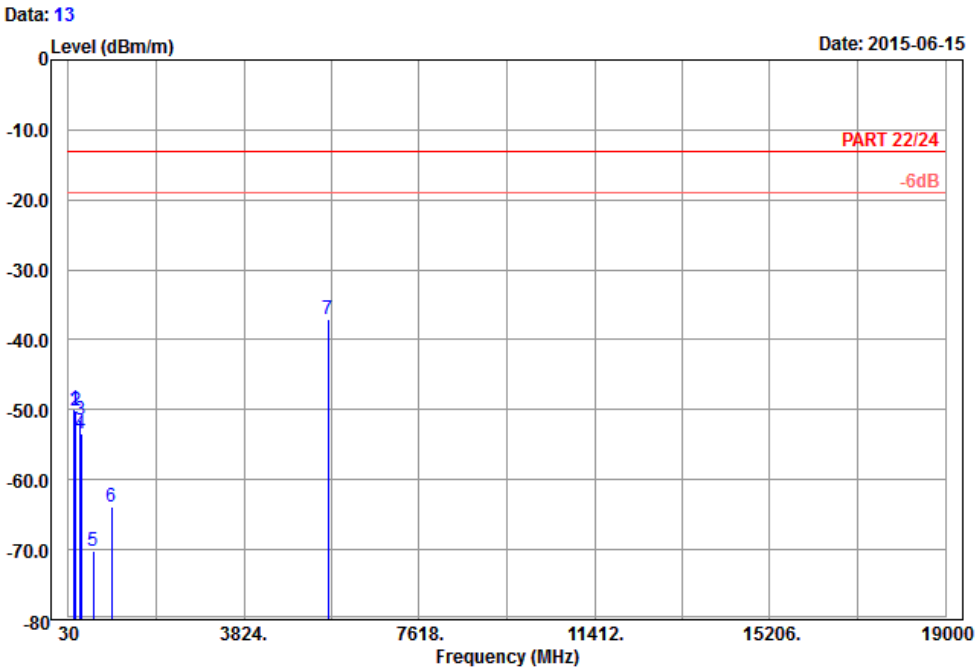
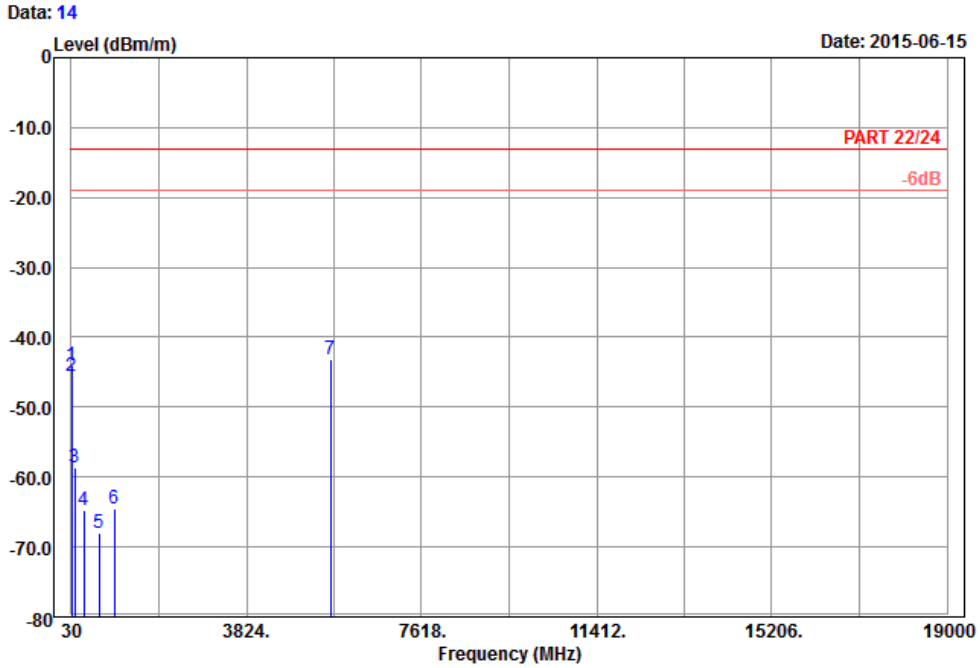


Site : 966 chamber 1
Condition: PART 22/24 3m Horizontal
Remark : PCS 1900_Link_CH661
Tested by: Karl Lee
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	161.76	-49.92	-42.45	-13.00	-36.92	-7.47	Peak
2	191.46	-50.04	-44.26	-13.00	-37.04	-5.78	Peak
3	277.86	-51.46	-45.70	-13.00	-38.46	-5.76	Peak
4	307.00	-53.30	-47.43	-13.00	-40.30	-5.87	Peak
5	567.40	-70.13	-69.19	-13.00	-57.13	-0.94	Peak
6	964.30	-63.89	-69.04	-13.00	-50.89	5.15	Peak
7 pp	5640.00	-37.15	-57.62	-13.00	-24.15	20.47	Peak



Site : 966 chamber 1
Condition: PART 22/24 3m Vertical
Remark : PCS 1900_Link_CH661
Tested by: Karl Lee
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	30.54	-44.08	-33.43	-13.00	-31.08	-10.65	Peak
2	45.66	-45.60	-33.12	-13.00	-32.60	-12.48	Peak
3	103.71	-58.68	-49.03	-13.00	-45.68	-9.65	Peak
4	300.00	-64.77	-58.81	-13.00	-51.77	-5.96	Peak
5	627.60	-67.99	-68.11	-13.00	-54.99	0.12	Peak
6	960.10	-64.55	-69.69	-13.00	-51.55	5.14	Peak
7 pp	5640.00	-43.16	-63.63	-13.00	-30.16	20.47	Peak

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

6 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:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Lab:
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

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

7 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---