

FCC TEST REPORT (PART 24)

REPORT NO.: RF130109C20-1

MODEL NO.: PN07110

FCC ID: NM8PN07110

RECEIVED: Jan. 09, 2013

TESTED: Jan. 13, 2013 ~ Jan. 24, 2013

ISSUED: Feb. 07, 2013

APPLICANT: HTC Corporation

ADDRESS: 23, Xinghua Rd., Taoyuan 330, Taiwan, R.O.C.

ISSUED BY: Bureau Veritas Consumer Products Services

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Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF130109C20-1	Original release	Feb. 07, 2013

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1 CERTIFICATION

PRODUCT: Smartphone

MODEL: PN07110

BRAND: HTC

APPLICANT: HTC Corporation

TESTED: Jan. 13, 2013 ~ Jan. 24, 2013

TEST SAMPLE: Production Unit

STANDARDS: FCC Part 24, Subpart E

The above equipment (model: PN07110) 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** : Feb. 07, 2013

Vera Huang / Specialist

APPROVED BY : , **DATE** : Feb. 07, 2013

Anderson Chiu / Senior Engineer



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 isotropically radiated		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 Sourious Emissions		Meet the requirement of limit.				
2.1053 24.238	Radiated Spurious Emissions		Meet the requirement of limit. Minimum passing margin is -17.79dB at 44.58MHz.				

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	150kHz~30MHz	2.44 dB
	30MHz ~ 200MHz	2.93 dB
Radiated emissions	200MHz ~1000MHz	2.95 dB
Radiated emissions	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 ROHDE & SCHWARZ	ESCI	100744	Apr. 19, 2012	Apr. 18, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 17, 2012	Dec. 16, 2013
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Apr. 03, 2012	Apr. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9120 D	209	Sep. 03, 2012	Sep. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Dec. 25, 2012	Dec. 24, 2013
Loop Antenna	HFH2-Z2	100070	Jan. 31, 2012	Jan. 30, 2014
Preamplifier EMCI	EMC 012645	980115	Dec. 28, 2012	Dec. 27, 2013
Preamplifier EMCI	EMC 330H	980112	Dec. 28, 2012	Dec. 27, 2013
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309219/4	Oct. 19, 2012	Oct. 18, 2013
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250130/4	Oct. 19, 2012	Oct. 18, 2013
RF signal cable Worken	RG-213	NA	Dec. 29, 2012	Dec. 28, 2013
Software	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
Mini-Circuits Power Splitter	ZN2PD-9G	NA	Mar. 23, 2012	Mar. 22, 2013
JFW 20dB attenuation	50HF-020-SMA	NA	NA	NA
Communications Tester-Wireless	E5515C	MY52102049	Jun. 11, 2012	Jun. 10, 2013
Radio Communication Analyzer	MT8820C	6201168830	Jul. 17, 2012	Jul. 16, 2013

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

- 2. The test was performed in HwaYa Chamber 9.
- 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 460141.
- 5. The IC Site Registration No. is IC 7450F-4.



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	Smartphone			
MODEL NO.	PN07110			
POWER SUPPLY	5.0Vdc (adapter or host equipment) 3.8Vdc (battery)			
	GSM/GPRS	GMSK		
MODULATION TYPE	EDGE	8PSK		
	WCDMA	BPSK		
FREQUENCY RANGE	GSM/GPRS/EDGE	1850.2MHz ~ 1909.8MHz		
FREQUENCY RANGE	WCDMA	1852.4MHz ~ 1907.6MHz		
	GSM	1156.11mW		
MAX. EIRP POWER	EDGE	434.51mW		
	WCDMA	235.50mW		
	GSM	248KGXW		
EMISSION DESIGNATOR	EDGE	242KG7W		
DEGIGN/NON	WCDMA	4M18F9W		
MULTI-SLOTS CLASS	12			
WCDMA RELEASE VERSION	6			
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. The EUT's accessories list refers to Ext Pho.
- 2. The device has 2 configurations as below.

Main Sample (A): Battery 1 + LCD Panel 1 + Front Camera 1

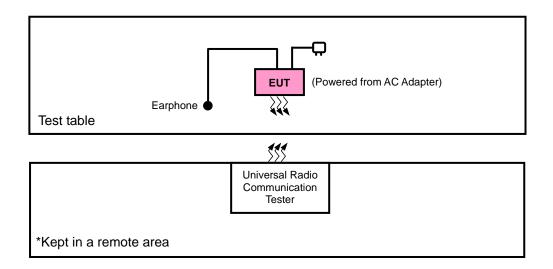
2nd Sample (B): Battery 2 + LCD Panel 2 + Front Camera 2

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.

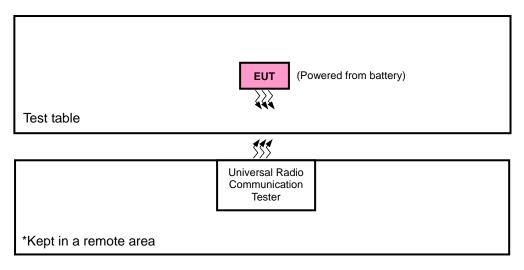


3.2 CONFIGURATION OF SYSTEM UNDER TEST

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. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Earphone	Merry	Max 300	NA	NA
2	Earphone	Cotron	Max 300	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS				
1	1.1m audio cable				
2	1.1m audio cable				

NOTE:

- 1. All power cords of the above support units are non shielded (1.8m).
- 2. Item 1 and 2 was provided by client.



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 and Z-axis of Main Sample (A) and X-axis of 2nd Sample (B) for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

GSM MODE

EUT CONFIGURE MODE	TX ANTENNA STATUS	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
A, B	0, 1	EIRP	512 to 810	512, 661, 810	GSM, EDGE
А	0, 1	FREQUENCY STABILITY	512 to 810	661	GSM, EDGE
А	0, 1	OCCUPIED BANDWIDTH	512 to 810	512, 661, 810	GSM, EDGE
А	0, 1	PEAK TO AVERAGE RATIO	512 to 810	512, 661, 810	GSM, EDGE
А	0, 1	BAND EDGE	512 to 810	512, 810	GSM, EDGE
А	0, 1	CONDCUDETED EMISSION	512 to 810	661	GSM
А	0, 1	RADIATED EMISSION	512 to 810	661	GSM, EDGE
В	0	RADIATED EMISSION	512 to 810	661	GSM

WCDMA MODE

EUT CONFIGURE MODE	TX ANTENNA STATUS	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
A, B	0, 1	EIRP	9262 to 9538	9262, 9400, 9538	WCDMA
А	0, 1	FREQUENCY STABILITY	9262 to 9538	9400	WCDMA
А	0, 1	OCCUPIED BANDWIDTH	9262 to 9538	9262, 9400, 9538	WCDMA
А	0, 1	PEAK TO AVERAGE RATIO	9262 to 9538	9262, 9400, 9538	WCDMA
А	0, 1	BAND EDGE	9262 to 9538	9262, 9538	WCDMA
А	0, 1	CONDCUDETED EMISSION	9262 to 9538	9400	WCDMA
А	0, 1	RADIATED EMISSION	9262 to 9538	9400	WCDMA



TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
EIRP	25deg. C, 59%RH	3.8Vdc	Howard Kao
FREQUENCY STABILITY	25deg. C, 59%RH	3.8Vdc	Howard Kao
OCCUPIED BANDWIDTH	25deg. C, 59%RH	3.8Vdc	Howard Kao
BAND EDGE	25deg. C, 59%RH	3.8Vdc	Howard Kao
CONDCUDETED EMISSION	25deg. C, 59%RH	3.8Vdc	Howard Kao
RADIATED EMISSION	25deg. C, 65%RH	120Vac, 60Hz	Kay Wu

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. The EUT was place on a turntable with 1.727 meter height in a fully anechoic chamber.
- b. The EUT was set at 4.858 meters from the receiving antenna, which was mounted on the antenna tower.
- c. The EUT was rotated along 2 axis: Theta-axis: 180 degree and Phi-axis: 360 degree, Step Size: 15 degree.
- d. The height of the receiving antenna is fixed.
- e. Taking the record of received power.
- f. A dipole antenna was used in place of the EUT for pathloss calibration with a network analyzer.
- g. The gain of the dipole antenna and the insertion loss of the connected RF cable were applied into the pathloss calibration.
- h. The maximum ERP/EIRP was calculated with received power and pathloss.
- i. ERP/EIRP = Ps + Et Es + Gs = Ps + Rt Rs + Gs

Ps (dBm): Input power to substitution antenna.

Gs (dBi or dBd): Substitution antenna Gain.

Et = Rt + AF

Es = Rs + AF

AF (dB/m): Receiver antenna factor

Rt: The highest received signal in spectrum analyzer for EUT.

Rs: The highest received signal in spectrum analyzer for substitution antenna.

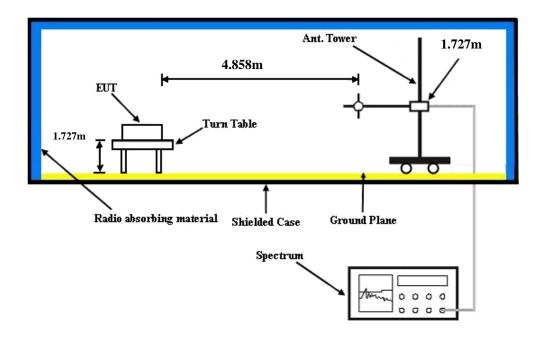


CONDUCTED POWER MEASUREMENT:

The EUT was set up for the maximum power with GSM, GPRS, EDGE & WCDMA 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			GSN	11900		
Antenna		Antenna 0			Antenna 1	
Channel	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880.0	1909.8	1850.2	1880.0	1909.8
GSM (1 Uplink)	30.05	30.18	30.02	30.43	30.31	30.46
GPRS 8 (GMSK, 1 slot)	30.02	30.15	29.99	30.40	30.28	30.43
GPRS 10 (GMSK, 2 slot)	28.57	28.70	28.54	29.25	29.13	29.28
GPRS 11 (GMSK, 3 Uplink)	26.62	26.75	26.59	27.03	26.91	27.06
GPRS 12 (GMSK, 4 Uplink)	25.18	25.31	25.15	25.38	25.26	25.41
EDGE 8 (GMSK, 1 Uplink)	30.03	30.16	30.00	30.38	30.26	30.41
EDGE 10 (GMSK, 2 Uplink)	28.55	28.68	28.52	29.23	29.11	29.26
EDGE 11 (GMSK, 3 Uplink)	26.57	26.70	26.54	27.01	26.89	27.04
EDGE 12 (GMSK, 4 Uplink)	25.17	25.30	25.14	25.36	25.24	25.39
EDGE 8 (8PSK, 1 Uplink)	26.14	26.27	26.11	26.51	26.39	26.54
EDGE 10 (8PSK, 2 Uplink)	25.92	26.05	25.89	26.30	26.18	26.33
EDGE 11 (8PSK, 3 Uplink)	25.21	25.34	25.18	25.85	25.73	25.88
EDGE 12 (8PSK, 4 Uplink)	24.42	24.55	24.39	24.82	24.70	24.85
DTM 9 (GMSK, 2 Uplink)	28.45	28.58	28.42	29.15	29.03	29.18
DTM 11 (GMSK, 3 Uplink)	26.40	26.53	26.37	27.07	26.95	27.10
DTM 9 (8PSK, 2 Uplink)	25.75	25.88	25.72	26.58	26.46	26.61
DTM 11 (8PSK, 3 Uplink)	25.10	25.23	25.07	25.85	25.73	25.88

Band			WCD	MA II			
Antenna		Antenna 0		Antenna 0			
Channel	9262 9400 9538			9262	9400	9538	
Frequency (MHz)	1852.4	1880.0	1907.6	1852.4	1880.0	1907.6	
RMC 12.2K	23.40	23.50	23.25	23.67	23.61	23.29	
HSDPA Subtest-1	22.30	22.40	22.15	22.65	22.59	22.27	
HSDPA Subtest-2	20.77	20.87	20.62	22.61	22.55	22.23	
HSDPA Subtest-3	19.09	19.19	18.94	22.20	22.14	21.82	
HSDPA Subtest-4	18.43	18.53	18.28	22.16	22.10	21.78	
HSUPA Subtest-1	21.78	21.88	21.63	22.70	22.64	22.32	
HSUPA Subtest-2	21.45	21.55	21.30	21.51	21.45	21.13	
HSUPA Subtest-3	20.87	20.97	20.72	20.95	20.89	20.57	
HSUPA Subtest-4	21.96	22.06	21.81	21.53	21.47	21.15	
HSUPA Subtest-5	22.58	22.68	22.43	22.71	22.65	22.33	



EIRP POWER (dBm)

Main Sample (A)

<Antenna 0>

	GSM Radiated Power EIRP								
		Horiz	zontal Polariza	ition					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-26.81	-51.88	0.00	1.96	27.03	504.66			
1880.00	-27.63	-52.99	0.00	2.00	27.36	544.50			
1909.80	-28.02	-54.28	0.00	1.98	28.24	666.81			
		Ver	tical Polarizat	on					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-32.20	-52.13	0.00	1.96	21.89	154.53			
1880.00	-32.74	-53.17	0.00	2.00	22.43	174.98			
1909.80	-32.46	-54.13	0.00	1.98	23.65	231.74			

	EDGE Radiated Power EIRP								
		Horiz	zontal Polariza	ntion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-29.93	-51.88	0.00	1.96	23.91	246.04			
1880.00	-30.52	-52.99	0.00	2.00	24.47	279.90			
1909.80	-31.47	-54.28	0.00	1.98	24.79	301.30			
		Ver	tical Polarizat	ion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-35.70	-52.13	0.00	1.96	18.39	69.02			
1880.00	-36.06	-53.17	0.00	2.00	19.11	81.47			
1909.80	-35.91	-54.13	0.00	1.98	20.20	104.71			



	WCDMA Radiated Power EIRP								
		Horiz	zontal Polariza	ation					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1852.40	-31.09	-51.88	0.00	1.96	22.75	188.36			
1880.00	-31.27	-52.99	0.00	2.00	23.72	235.50			
1907.60	-33.02	-54.28	0.00	1.98	23.24	210.86			
		Ver	tical Polarizat	ion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1852.40	-36.48	-52.13	0.00	1.96	17.61	57.68			
1880.00	-35.80	-53.17	0.00	2.00	19.37	86.50			
1907.60	-36.86	-54.13	0.00	1.98	19.25	84.14			

<Antenna 1>

		GSM B	adiated Powe	r FIRD					
		Horiz	zontal Polariza	ition		_			
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-34.21	-51.88	0.00	1.96	19.63	91.83			
1880.00	-35.24	-52.99	0.00	2.00	19.75	94.41			
1909.80	-36.39	-54.28	0.00	1.98	19.87	97.05			
		Ver	tical Polarizat	ion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-39.46	-52.13	0.00	1.96	14.63	29.04			
1880.00	-39.73	-53.17	0.00	2.00	15.44	34.99			
1909.80	-39.94	-54.13	0.00	1.98	16.17	41.40			



	EDGE Radiated Power EIRP								
		Horiz	zontal Polariza	ation					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-37.88	-51.88	0.00	1.96	15.96	39.45			
1880.00	-39.17	-52.99	0.00	2.00	15.82	38.19			
1909.80	-40.44	-54.28	0.00	1.98	15.82	38.19			
		Ver	tical Polarizat	ion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-42.82	-52.13	0.00	1.96	11.27	13.40			
1880.00	-43.35	-53.17	0.00	2.00	11.82	15.21			
1909.80	-44.29	-54.13	0.00	1.98	11.82	15.21			

	WCDMA Radiated Power EIRP								
		Horiz	zontal Polariza	ation					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1852.40	-38.72	-51.88	0.00	1.96	15.12	32.51			
1880.00	-39.54	-52.99	0.00	2.00	15.45	35.08			
1907.60	-42.17	-54.28	0.00	1.98	14.09	25.64			
		Ver	tical Polarizat	ion		•			
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1852.40	-44.42	-52.13	0.00	1.96	9.67	9.27			
1880.00	-44.75	-53.17	0.00	2.00	10.42	11.02			
1907.60	-46.45	-54.13	0.00	1.98	9.66	9.25			



2nd Sample (B)

<Antenna 0>

	GSM Radiated Power EIRP								
		Horiz	zontal Polariza	ation					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-24.26	-51.88	0.00	1.96	29.58	907.82			
1880.00	-24.36	-52.99	0.00	2.00	30.63	1156.11			
1909.80	-25.90	-54.28	0.00	1.98	30.36	1086.43			
		Ver	tical Polarizat	ion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-30.11	-52.13	0.00	1.96	23.98	250.03			
1880.00	-29.78	-53.17	0.00	2.00	25.39	345.94			
1909.80	-30.65	-54.13	0.00	1.98	25.46	351.56			

	EDGE Radiated Power EIRP							
		Horiz	zontal Polariza	ation				
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP		
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)		
1850.20	-29.01	-51.88	0.00	1.96	24.83	304.09		
1880.00	-28.99	-52.99	0.00	2.00	26.00	398.11		
1909.80	-29.88	-54.28	0.00	1.98	26.38	434.51		
		Ver	tical Polarizat	ion				
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP		
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)		
1850.20	-35.01	-52.13	0.00	1.96	19.08	80.91		
1880.00	-34.66	-53.17	0.00	2.00	20.51	112.46		
1909.80	-35.10	-54.13	0.00	1.98	21.01	126.18		



	WCDMA Radiated Power EIRP								
		Horiz	zontal Polariza	ntion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1852.40	-34.30	-51.88	0.00	1.96	19.54	89.95			
1880.00	-35.25	-52.99	0.00	2.00	19.74	94.19			
1907.60	-36.17	-54.28	0.00	1.98	20.09	102.09			
		Ver	tical Polarizat	ion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1852.40	-42.63	-52.13	0.00	1.96	11.46	14.00			
1880.00	-42.93	-53.17	0.00	2.00	12.24	16.75			
1907.60	-42.78	-54.13	0.00	1.98	13.33	21.53			

<Antenna 1>

	GSM Radiated Power EIRP								
			zontal Polariza						
Frequency Rt Rs Ps Gs EIRP EIRP									
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-34.92	-51.88	0.00	1.96	18.92	77.98			
1880.00	-35.62	-52.99	0.00	2.00	19.37	86.50			
1909.80	-36.49	-54.28	0.00	1.98	19.77	94.84			
		Ver	tical Polarizati	ion					
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP			
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)			
1850.20	-40.84	-52.13	0.00	1.96	13.25	21.13			
1880.00	-39.71	-53.17	0.00	2.00	15.46	35.16			
1909.80	-39.30	-54.13	0.00	1.98	16.81	47.97			



	EDGE Radiated Power EIRP					
		Horiz	zontal Polariza	ation		
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)
1850.20	-39.85	-51.88	0.00	1.96	13.99	25.06
1880.00	-40.87	-52.99	0.00	2.00	14.12	25.82
1909.80	-41.58	-54.28	0.00	1.98	14.68	29.38
		Ver	tical Polarizat	ion		
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)
1850.20	-45.51	-52.13	0.00	1.96	8.58	7.21
1880.00	-44.93	-53.17	0.00	2.00	10.24	10.57
1909.80	-44.70	-54.13	0.00	1.98	11.41	13.84

	WCDMA Radiated Power EIRP					
		Horiz	zontal Polariza	ation		
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)
1852.40	-40.13	-51.88	0.00	1.96	13.71	23.50
1880.00	-41.25	-52.99	0.00	2.00	13.74	23.66
1907.60	-42.97	-54.28	0.00	1.98	13.29	21.33
		Ver	tical Polarizat	ion		
Frequency	Rt	Rs	Ps	Gs	EIRP	EIRP
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(mW)
1852.40	-47.55	-52.13	0.00	1.96	6.54	4.51
1880.00	-48.12	-53.17	0.00	2.00	7.05	5.07
1907.60	-48.10	-54.13	0.00	1.98	8.01	6.32



4.2 FREQUENCY STABILITY MEASUREMENT

4.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

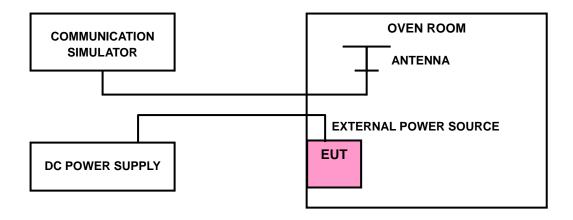
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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 $\pm 0.5^{\circ}$ 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

<Antenna 0>

FREQUENCY ERROR V.S VOLTAGE

	FRE	EQUENCY ERROR (p	JENCY ERROR (ppm)		
VOLTAGE (Volts)	GPRS	EDGE	WCDMA	LIMIT (ppm)	
3.8	0.00	0.01	-0.004	2.5	
3.6	0.00	0.01	-0.005	2.5	
4.35	0.00	0.01	-0.005	2.5	

NOTE: The applicant defined the normal working voltage of the battery is from 3.6Vdc to 4.35Vdc.

FREQUENCY ERROR V.S TEMPERATURE

	FRE			
TEMP. (°C)	GPRS	EDGE	WCDMA	LIMIT (ppm)
-30	-0.01	0.02	-0.005	2.5
-20	-0.01	0.02	-0.004	2.5
-10	0.00	0.02	-0.004	2.5
0	-0.01	0.02	-0.005	2.5
10	-0.01	0.02	-0.005	2.5
20	-0.01	0.01	-0.004	2.5
30	0.00	0.02	-0.004	2.5
40	-0.01	0.01	-0.005	2.5
50	-0.01	0.01	-0.004	2.5
55	0.00	0.02	-0.004	2.5



<Antenna 1>

FREQUENCY ERROR V.S VOLTAGE

	FRE			
VOLTAGE (Volts)	GPRS	EDGE	WCDMA	LIMIT (ppm)
3.8	-0.01	0.02	-0.005	2.5
3.6	-0.01	0.02	-0.005	2.5
4.35	0.01	0.01	-0.004	2.5

NOTE: The applicant defined the normal working voltage of the battery is from 3.6Vdc to 4.35Vdc.

FREQUENCY ERROR V.S TEMPERATURE

	FRE			
TEMP. (°C)	GPRS	EDGE	WCDMA	LIMIT (ppm)
-30	-0.01	0.01	-0.005	2.5
-20	0.01	0.01	-0.005	2.5
-10	0.01	0.02	-0.005	2.5
0	0.01	0.01	-0.005	2.5
10	-0.01	0.02	-0.005	2.5
20	-0.01	0.01	-0.005	2.5
30	-0.01	0.02	-0.005	2.5
40	-0.01	0.01	-0.004	2.5
50	-0.01	0.02	-0.005	2.5
55	0.01	0.02	-0.005	2.5

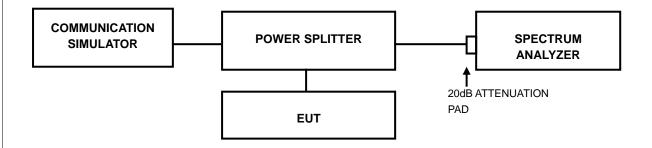


4.3 OCCUPIED BANDWIDTH MEASUREMENT

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

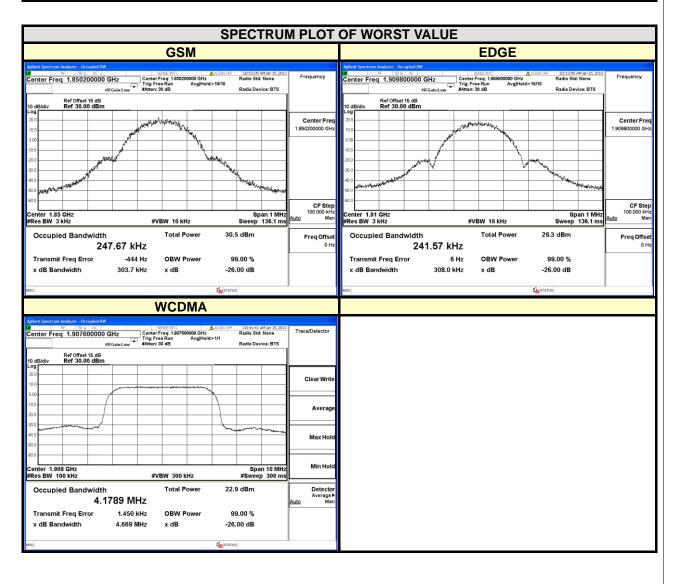




4.3.3 TEST RESULTS

<Antenna 0>

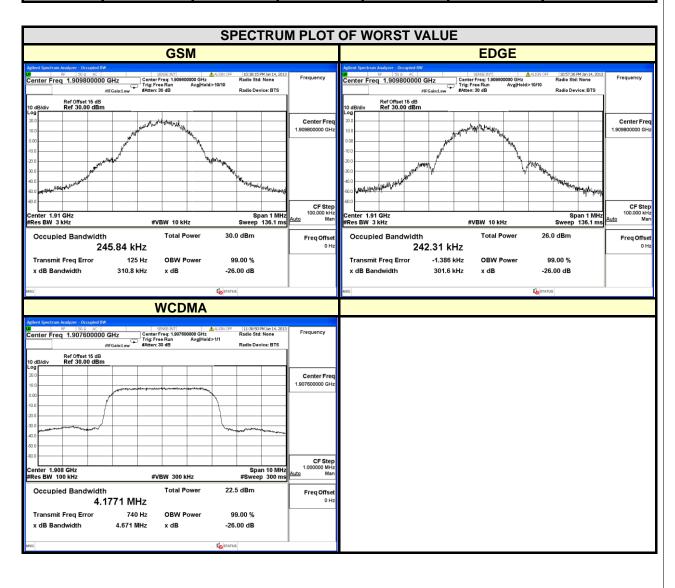
CHANNEL	FREQUENCY	99% OCCUPIED BANDWIDTH (kHz)				99% OCCUPIED BANDWIDTH (MHz)
	(MHz)	GSM	EDGE		(MHz)	WCDMA
512	1850.2	247.67	239.61	9262	1852.4	4.1732
661	1880.0	245.49	240.15	9400	1880.0	4.1731
810	1909.8	246.64	241.57	9538	1907.6	4.1789





<Antenna 1>

CHANNEL	FREQUENCY	99% OC BANDWII	CUPIED OTH (kHz)			99% OCCUPIED BANDWIDTH (MHz)
	(MHz)	GSM	EDGE		(MHz)	WCDMA
512	1850.2	244.99	238.69	9262	1852.4	4.1762
661	1880.0	245.07	239.95	9400	1880.0	4.1741
810	1909.8	245.84	242.31	9538	1907.6	4.1771



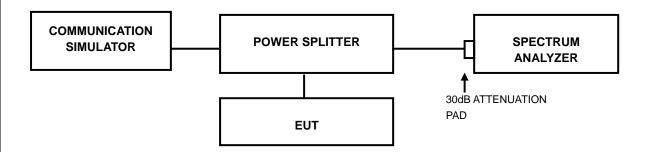


4.4 PEAK TO AVERAGE RATIO

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%.

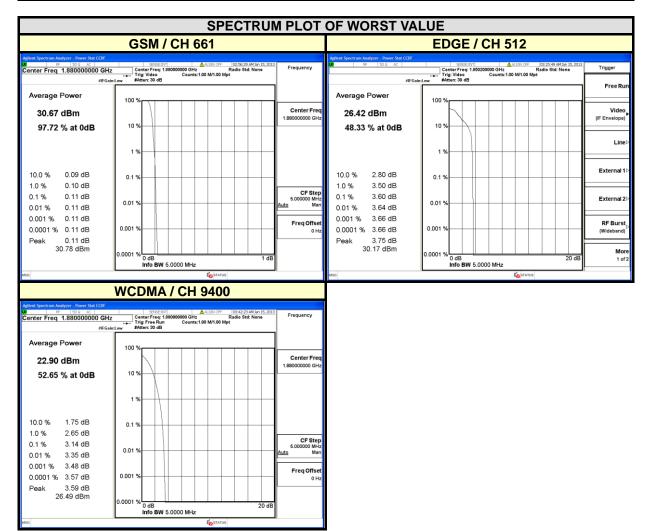


4.4.4 TEST RESULTS

<Antenna 0>

CHANNEL	EDECLIENCY (MIL-)	PEAK TO AVERAGE RATIO (dB)	
CHANNEL	FREQUENCY (MHz)	GSM	EDGE
512	1850.2	0.11	3.60
661	1880.0	0.11	3.59
810	1909.8	0.11	3.48

CHANNE	EDECLIENCY (MILL)	PEAK TO AVERAGE RATIO (dB)
CHANNEL	FREQUENCY (MHz)	WCDMA
9262	1852.4	2.90
9400	1880.0	3.14
9538	1907.6	2.97

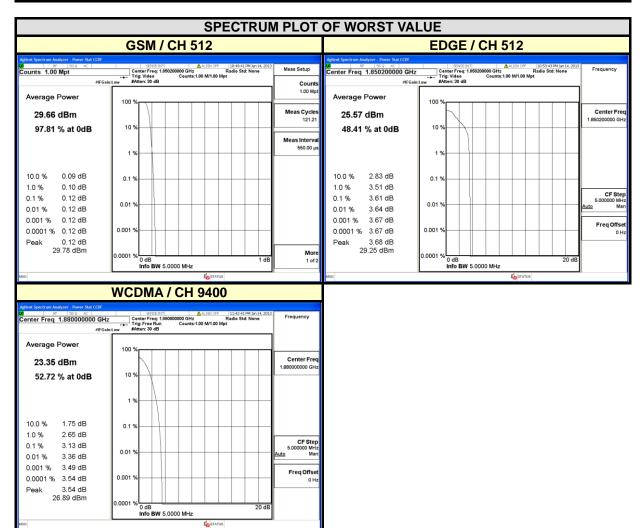




<Antenna 1>

CHANNEL	EDECHENCY (MILE)	PEAK TO AVERAGE RATIO (dB)	
CHANNEL	FREQUENCY (MHz)	GSM	EDGE
512	1850.2	0.12	3.61
661	1880.0	0.11	3.50
810	1909.8	0.11	3.43

OHANNEL	EDECHENOV (MILE)	PEAK TO AVERAGE RATIO (dB)
CHANNEL	FREQUENCY (MHz)	WCDMA
9262	1852.4	2.88
9400	1880.0	3.13
9538	1907.6	3.01



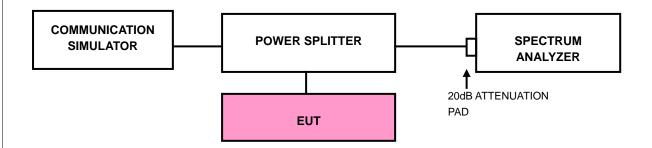


4.5 BAND EDGE MEASUREMENT

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



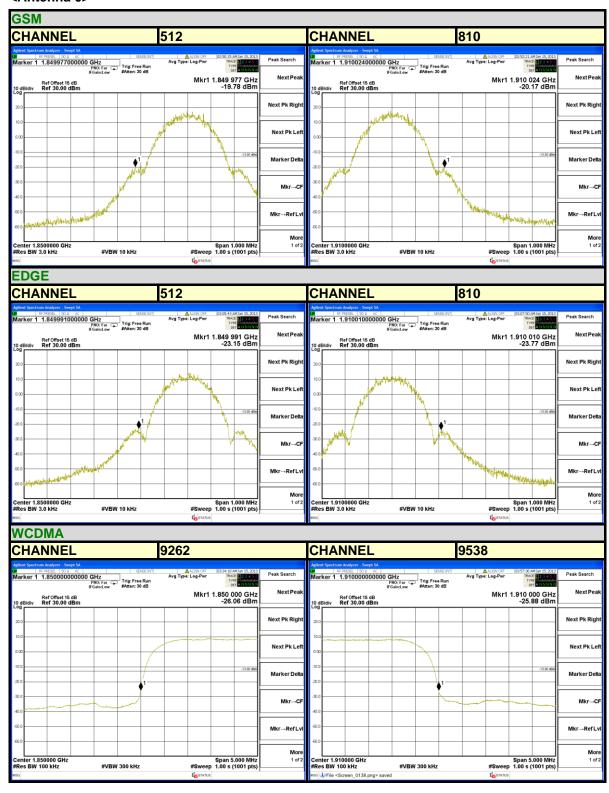
4.5.3 TEST PROCEDURES

- 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 1 MHz. RB of the spectrum is 3kHz and VB of the spectrum is 10kHz (GSM/GPRS/EDGE).
- c. The center frequency of spectrum is the band edge frequency and span is 5MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz (WCDMA).
- d. Record the max trace plot into the test report.



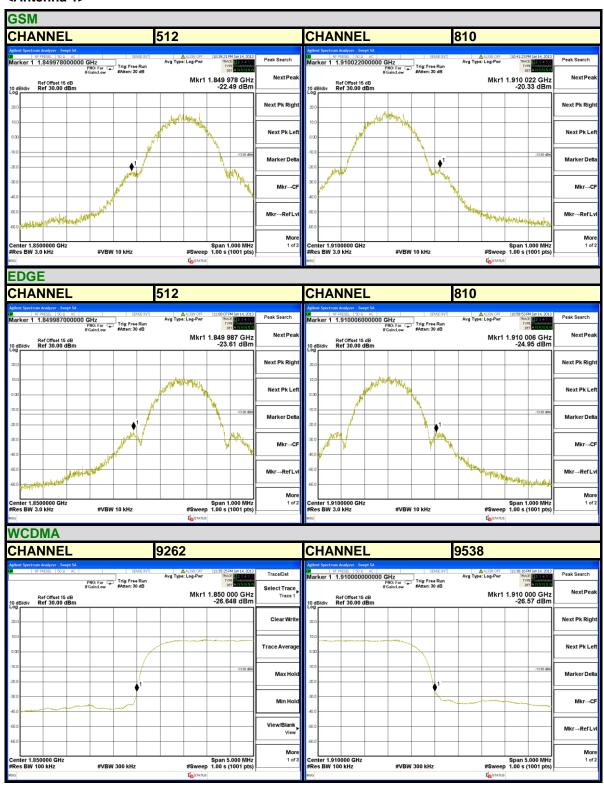
4.5.4 TEST RESULTS

<Antenna 0>





<Antenna 1>





4.6 CONDUCTED SPURIOUS EMISSIONS

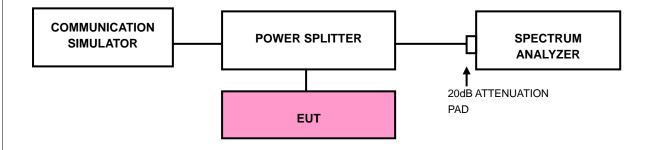
4.6.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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 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.

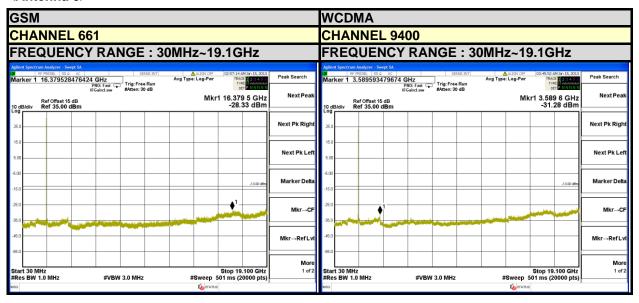
4.6.3 TEST SETUP



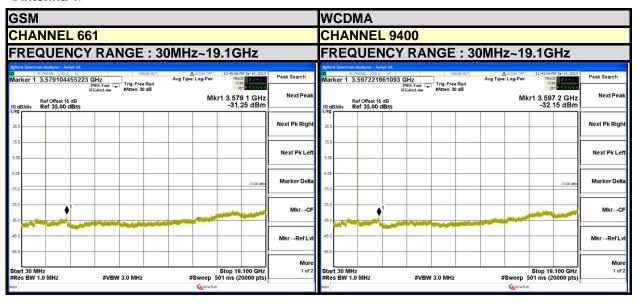


4.6.4 TEST RESULTS

<Antenna 0>



<Antenna 1>





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 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.

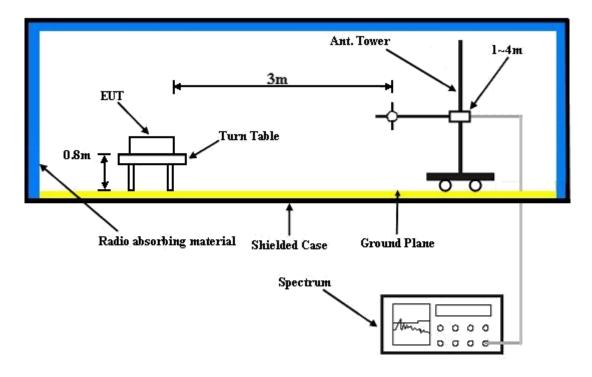
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

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

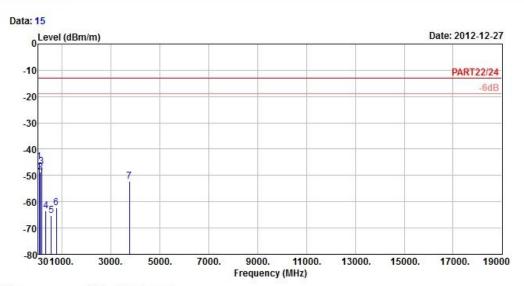
Main Sample (A)

<Antenna 0>

GSM:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m HORIZONTAL

Brand/Model: 121129C09 : PCS1900 Link Remark Tested by : Kay Wu Temprature : 25℃ Humidity : 65%

: Z Plane ANT : ANT 0

2 3

Freq Level Level Line Limit Factor Remark MHz dBm/m dBm dBm/m dB/m 59.70 -44.83 -38.73 -13.00 -31.83 -6.10 Peak 1 pp 113.16 -48.71 -38.02 -13.00 -35.71 -10.69 Peak 155.55 -46.55 -40.11 -13.00 -33.55 -6.44 Peak 340.60 -63.54 -57.46 -13.00 -50.54 -6.08 Peak 4 5 559.00 -65.38 -63.89 -13.00 -52.38 -1.49 Peak 770.40 -62.32 -64.25 -13.00 -49.32 1.93 Peak 6

3760.00 -52.22 -45.49 -13.00 -39.22 -6.73 Peak

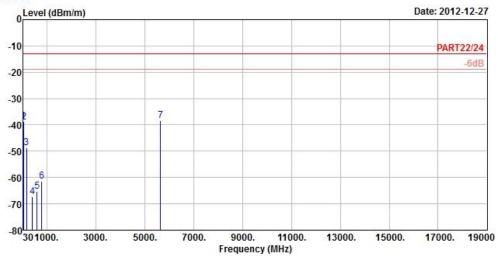
Read Limit

Over









Site : 966 Chamber 5

Condition : PART22/24 3m VERTICAL

Brand/Model: 121129C09 Remark : PCS1900 Link

Tested by : Kay Wu Temprature : 25°C Humidity : 65% Plane : Z ANT : ANT 0

Read Limit Over

Freq Level Level Line Limit Factor Remark

MHz dBm/m dBm dBm/m dB dB/m

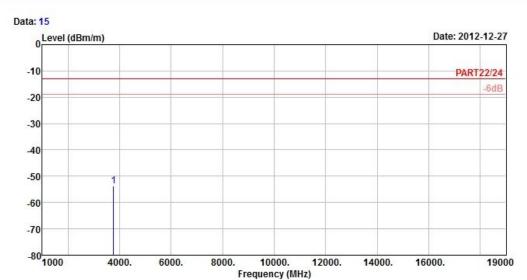
1	33.51	-38.69	-36.85	-13.00	-25.69	-1.84 Peak
2	46.20	-38.98	-36.65	-13.00	-25.98	-2.33 Peak
3	162.03	-48.70	-42.15	-13.00	-35.70	-6.55 Peak
4	405.00	-67.16	-61.67	-13.00	-54.16	-5.49 Peak
5	585.60	-65.22	-64.47	-13.00	-52.22	-0.75 Peak
6	787.90	-61.43	-63.47	-13.00	-48.43	2.04 Peak
7 pp	5640.00	-38.27	-38.48	-13.00	-25.27	0.21 Peak



EDGE:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m HORIZONTAL

Brand/Model: 121129C09
Remark : EDGE Link
Tested by : Kay Wu
Temprature : 25°C
Humidity : 65%
Plane : Z
ANT : ANT 0

Read Limit Over

Freq Level Line Limit Factor Remark

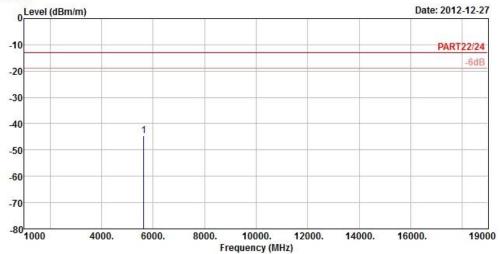
MHz dBm/m dBm dBm/m dB dB/m

1 pp 3760.00 -53.71 -46.98 -13.00 -40.71 -6.73 Peak









Site : 966 Chamber 5

Condition : PART22/24 3m VERTICAL

Brand/Model: 121129C09
Remark : EDGE Link
Tested by : Kay Wu
Temprature : 25℃
Humidity : 65%
Plane : Z
ANT : ANT 0

Read Limit Over

Freq Level Line Limit Factor Remark

MHz dBm/m dBm dBm/m dB dB/m

1 pp 5640.00 -44.65 -44.86 -13.00 -31.65 0.21 Peak

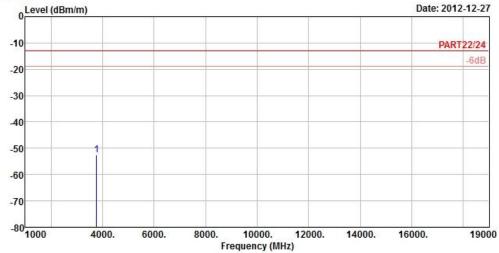


WCDMA:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch





Site : 966 Chamber 5

Condition : PART22/24 3m HORIZONTAL

Brand/Model: 121129C09 Remark : Band II Link

Tested by : Kay Wu Temprature : 25°C Humidity : 65% Plane : Z ANT : ANT 0

Read Limit Over

Freq Level Line Limit Factor Remark

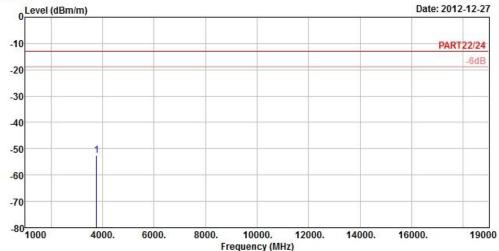
MHz dBm/m dBm dBm/m dB dB/m

1 pp 3760.00 -52.60 -45.87 -13.00 -39.60 -6.73 Peak









Site : 966 Chamber 5

Condition : PART22/24 3m VERTICAL

Brand/Model: 121129C09
Remark : Band II Link
Tested by : Kay Wu

Tested by : Kay Wi Temprature : 25°C Humidity : 65% Plane : Z ANT : ANT 0

Read Limit Over

Freq Level Level Line Limit Factor Remark

MHz dBm/m dBm dBm/m dB dB/m

1 pp 3760.00 -52.58 -45.85 -13.00 -39.58 -6.73 Peak

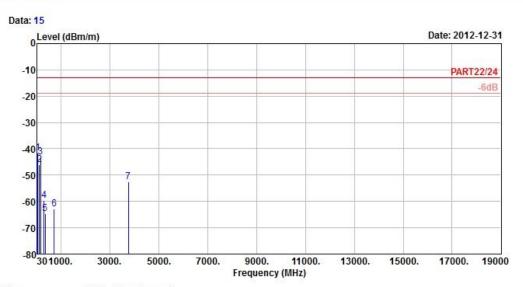


<Antenna 1>

GSM:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m HORIZONTAL

Brand/Model: 121129C09 Remark : PCS1900 Link Tested by : Kay Wu Temprature : 25°C

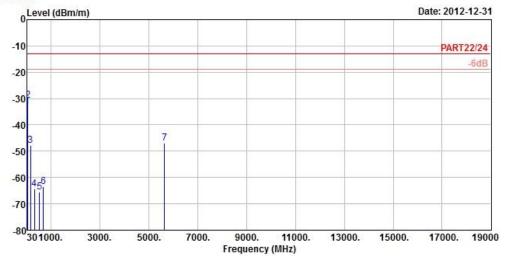
Humidity : 65% Plane : Z ANT : ANT 1

			Read	Limit	Over		
	Freq	Level				Factor	Remark
1 to	MHz	dBm/m	dBm	dBm/m	dB	dB/m	ia.
1 pp	45.39	-41.73	-39.97	-13.00	-28.73	-1.76	Peak
2	113.16	-46.12	-35.43	-13.00	-33.12	-10.69	Peak
3	156.09	-43.17	-36.72	-13.00	-30.17	-6.45	Peak
4	310.50	-59.55	-53.25	-13.00	-46.55	-6.30	Peak
5	357.40	-64.51	-58.56	-13.00	-51.51	-5.95	Peak
6	717.90	-62.84	-64.41	-13.00	-49.84	1.57	Peak
7	3760.00	-52.59	-45.86	-13.00	-39.59	-6.73	Peak









dB dB/m

: 966 Chamber 5

Site : 966 Chamber 5 Condition : PART22/24 3m VERTICAL

MHz dBm/m

Brand/Model: 121129C09 Remark : PCS1900 Link

Tested by : Kay Wu Temprature : 25℃ Humidity : 65% Plane : Z ANT : ANT 1

Read Limit Over

Line Limit Factor Remark Freq Level Level

dBm dBm/m

1	30.54	-33.02	-33.36	-13.00	-20.02	0.34	Peak	
2 pp	44.58	-30.79	-29.60	-13.00	-17.79	-1.19	Peak	
3	161.22	-47.73	-41.20	-13.00	-34.73	-6.53	Peak	
4	316.10	-64.38	-58.12	-13.00	-51.38	-6.26	Peak	
5	526.80	-65.50	-63.13	-13.00	-52.50	-2.37	Peak	
6	679.40	-63.36	-64.43	-13.00	-50.36	1.07	Peak	
7	5640.00	-46.95	-47.16	-13.00	-33.95	0.21	Peak	

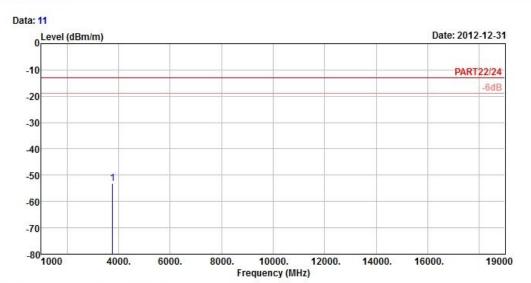
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EDGE:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m HORIZONTAL

Brand/Model: 121129C09
Remark : EDGE Link
Tested by : Kay Wu
Temprature : 25°C
Humidity : 65%
Plane : Z
ANT : ANT 1

Read Limit Over

Freq Level Line Limit Factor Remark

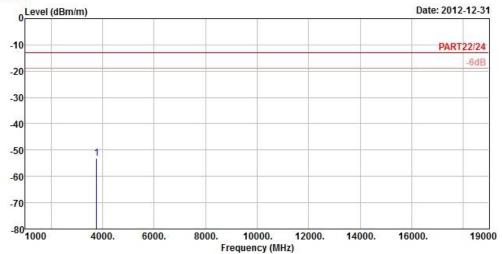
MHz dBm/m dBm dBm/m dB dB/m

1 pp 3760.00 -53.22 -46.49 -13.00 -40.22 -6.73 Peak









Site : 966 Chamber 5

Condition : PART22/24 3m VERTICAL

Brand/Model: 121129C09
Remark : EDGE Link
Tested by : Kay Wu
Temprature : 25°C
Humidity : 65%
Plane : Z
ANT : ANT 1

Read Limit Over

Freq Level Line Limit Factor Remark

MHz dBm/m dBm dBm/m dB dB/m

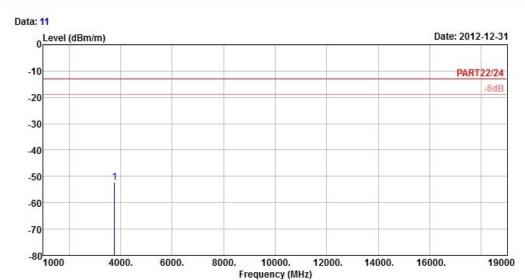
1 pp 3760.00 -53.23 -46.50 -13.00 -40.23 -6.73 Peak



WCDMA:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m HORIZONTAL

Brand/Model: 121129C09 Remark : Band II Link Tested by : Kay Wu

Tested by : Kay Wu Temprature : 25°C Humidity : 65% Plane : Z ANT : ANT 1

Read Limit Over
Freq Level Level Line Limit Factor Remark

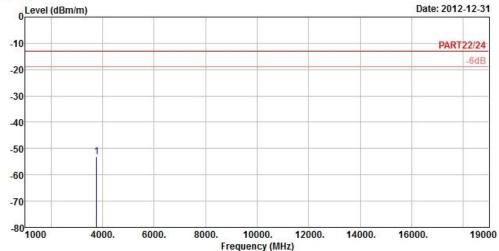
MHz dBm/m dBm dBm/m dB dB/m

1 pp 3760.00 -52.36 -45.63 -13.00 -39.36 -6.73 Peak









Site : 966 Chamber 5

Condition : PART22/24 3m VERTICAL

Brand/Model: 121129C09 Remark : Band II Link Tested by : Kay Wu

Tested by : Kay Wu Temprature : 25℃ Humidity : 65% Plane : Z ANT : ANT 1

Read Limit Over

Freq Level Level Line Limit Factor Remark

MHz dBm/m dBm dBm/m dB dB/m

1 pp 3760.00 -53.23 -46.50 -13.00 -40.23 -6.73 Peak



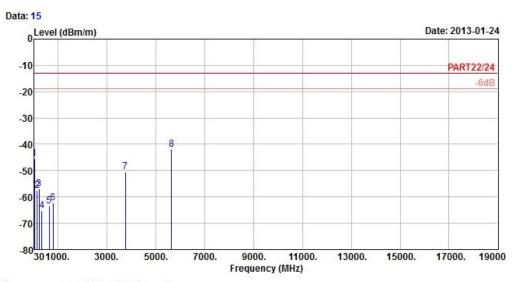
2nd Sample (B)

<Antenna 0>

GSM:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m HORIZONTAL

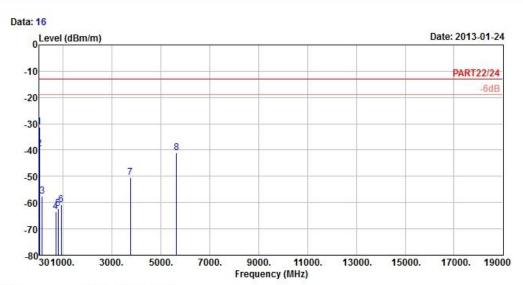
Brand/Model: 121129C09 Remark : PCS1900 Link

Tested by : Kay Wu
Temprature : 25°C
Humidity : 65%
Plane : X
ANT : ANT 0
Sample : 2nd

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	30.27	-45.42	-46.49	-13.00	-32.42	1.07	Peak
2	151.50	-57.57	-51.19	-13.00	-44.57	-6.38	Peak
3	217.65	-56.89	-49.73	-13.00	-43.89	-7.16	Peak
4	335.70	-65.18	-59.07	-13.00	-52.18	-6.11	Peak
5	635.30	-63.36	-63.64	-13.00	-50.36	0.28	Peak
6	790.70	-62.26	-64.32	-13.00	-49.26	2.06	Peak
7	3760.00	-50.49	-43.76	-13.00	-37.49	-6.73	Peak
8 pp	5640.00	-41.90	-42.11	-13.00	-28.90	0.21	Peak







Site : 966 Chamber 5

Condition : PART22/24 3m VERTICAL

Brand/Model: 121129C09 Remark : PCS1900 Link

Tested by : Kay Wu Temprature : 25° C Humidity : 65% Plane : X ANT : ANT 0 Sample : 2nd

Read Limit Over Limit Factor Remark Freq Level Level Line MHz dBm/m dBm dBm/m dB/m 1 pp 30.27 -31.20 -32.27 -13.00 -18.20 1.07 Peak 42.69 -39.58 -38.25 -13.00 -26.58 -1.33 Peak 2 152.31 -57.55 -51.16 -13.00 -44.55 -6.39 Peak 3 700.40 -63.52 -64.97 -13.00 -50.52 1.45 Peak 5 796.30 -62.35 -64.45 -13.00 -49.35 2.10 Peak 921.60 -60.78 -63.90 -13.00 -47.78 6 3.12 Peak 7 3760.00 -50.56 -43.83 -13.00 -37.56 -6.73 Peak 5640.00 -41.02 -41.23 -13.00 -28.02



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: Hsin Chu EMC/RF Lab:

Tel: 886-2-26052180 Tel: 886-3-5935343 Fax: 886-2-26051924 Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom 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.



CHANGES TO THE EUT BY THE LAB
No any modifications were made to the EUT by the lab during the test.
END
END