

**FCC RF Test Report** 

APPLICANT : HTC Corporation

**EQUIPMENT** : Smart Phone

MODEL NAME : PG86100

FCC ID : NM8PG86100

STANDARD : FCC 47 CFR Part 2, and 90(S)

CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

Tx/Rx FREQUENCY RANGE : CDMA2000 BC10:817 MHz ~ 822.75 MHz/

862 MHz ~ 867.75MHz

Report No.: FW112033

MAX. ERP/EIRP POWER : CDMA2000 BC10 : 0.10 W

**EMISSION DESIGNATOR**: 1M27F9W

The product was received on Jan. 20, 2011 and completely tested on Mar. 25, 2011. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI / TIA / EIA-603-C-2004 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Roy Wu J Manager

#### SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1<sup>st</sup> Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

SPORTON INTERNATIONAL INC.

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**REVISION HISTORY** 

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FW112033	Rev. 01	Initial issue of report	Apr. 01, 2011

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### **SUMMARY OF TEST RESULT**

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	N/A , Reporting only	PASS	-
3.2	§90.635(b)	Effective Radiated Power	< 100 Watts (50dBm)	PASS	-
3.3	§2.1049 §90.209	Bandwidth limitations	N/A, Reporting only (*)	PASS	-
3.4	§2.1051 §90.210	Emission masks – In-band emissions	emissions are measured out of 50% ~ 100% of authorized bandwidth < 25dB ,and 100% ~ 250% authorized bandwidth < 35dB	PASS	-
3.5	§2.1051 §90.210	Emission masks – Out of band emissions	emissions are measured out of 250% authorized bandwidth < 43+10log <sub>10</sub> (P[Watts])	PASS	-
3.6	§2.1053 §90.210	Field Strength of Spurious Radiation	emissions are measured out of 250% authorized bandwidth < 43+10log <sub>10</sub> (P[Watts])	PASS	Under limit 25.54 dB at 7385 MHz
3.7	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	< 2.5 ppm	PASS	-

Note: (\*) The test case of bandwidth limitations is waiver, and please refer to the appendix A.

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# 1 General Description

# 1.1 Applicant

#### **HTC Corporation**

1F., No. 6-3, Baoqiang Rd., Xindian City, Taipei, Taiwan

#### 1.2 Manufacturer

#### **HTC Corporation**

1F., No. 6-3, Baoqiang Rd., Xindian City, Taipei, Taiwan

### 1.3 Feature of Equipment Under Test

Product Feature & Specification				
Equipment	Smart Phone			
Model Name	PG86100			
FCC ID	NM8PG86100			
Tx Frequency	CDMA2000 BC10 : 817 MHz ~ 822.75 MHz			
Rx Frequency	CDMA2000 BC10 : 862 MHz ~ 867.75 MHz			
Maximum Output Power to Antenna	CDMA2000 BC10 : 24.78 dBm			
Maximum ERP	CDMA2000 BC10: 0.10 W (19.83 dBm)			
Antenna Type	PIFA Antenna			
Type of Modulation	QPSK			
Type of Emission	1M27F9W			
EUT Stage	Production Unit			

#### Remark:

- 1. For other wireless features of this EUT, the test report will be issued separately.
- This test report recorded only product characteristics and test results of PCS Licensed Transmitter Held to Ear (PCE).
- **3.** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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### 1.4 Testing Site

Test Site	SPORTON INTERNATIONAL INC.				
	No. 52, Hwa Ya 1 <sup>st</sup> Rd.	, Hwa Ya Technology P	ark,		
Took Cita Lagation	Kwei-Shan Hsiang, Ta	o Yuan Hsien, Taiwan, F	R.O.C.		
Test Site Location	TEL: +886-3-327-3456	;			
	FAX: +886-3-328-4978				
Test Site No.	Sporton Site No.		FCC/IC Registration No.		
Test site NO.	TH02-HY	03CH07-HY	722060/4086B-1		

### 1.5 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- Preliminary Guidance for Receiving Applications for Certification of 3G Device. May 9, 2006.
- FCC 47 CFR Part 2, 90
- ANSI / TIA / EIA-603-C-2004
- FCC Document is used to wavier Part 90.209 bandwidth limitations, please refer to Appendix A.

#### Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B (DoC), recorded in a separate test report.

# 1.6 Ancillary Equipment List

Iten	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m

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2 Test Configuration of Equipment Under Test

#### 2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

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Frequency range investigated for radiated emission is 30 MHz to 9000 MHz for CDMA2000 BC10.

Test Modes						
Band	Radiated TCs	Conducted TCs				
CDMA2000 BC10	■ 1xRTT Link + TC Mode	■ 1xRTT Link + TC Mode				

#### Note:

- 1. The maximum RF output power levels are 1xRTT RC3+SO55 mode for CDMA2000 BC10 on QPSK Link; only these modes were used for all tests.
- 2. TC stands for Test Configuration are consists of earphone, battery, and adapter.
- **3.** Because there are individual antennas for each WWAN, WLAN, and Bluetooth, the co-location test modes are not required.

#### The conducted power table is as follows:

Conducted Power (*Unit: dBm)					
Band		CDMA2000 BC10			
Channel	440	440 580 670			
Frequency	817.00	820.50	822.75		
1xRTT RC1+SO55	24.71	24.42	24.04		
1xRTT RC3+SO55	<mark>24.78</mark>	24.39	24.13		
1xRTT RC3+SO32 (SCH)	24.65	24.42	24.12		
1xEVDO RTAP 153.6K	24.73	24.40	24.07		
1xEVDO RETAP 4096K	24.77	24.33	24.11		

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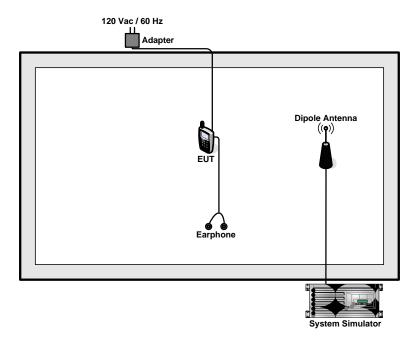
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# 2.2 Connection Diagram of Test System



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3 Test Result

### 3.1 Conducted Output Power Measurement

#### 3.1.1 Description of the Conducted Output Power Measurement

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals shall be reported.

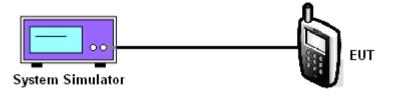
#### 3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.1.3 Test Procedures

- 1. The transmitter output port was connected to base station.
- 2. Set EUT at maximum power through base station.
- 3. Select lowest, middle, and highest channels for each band and different modulation.

#### 3.1.4 Test Setup



#### 3.1.5 Test Result of Conducted Output Power

CDMA2000 BC10							
Test Mode	Test Status	Channel	Frequency (MHz)	Conducted Power (dBm)			
CDMA 2000		440 (Low)	817.00	24.78			
CDMA 2000 1xRTT	RC3+SO55	580 (Mid)	820.50	23.89			
IAKII		670 (High)	822.75	23.63			

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#### 3.2 Effective Radiated Power Measurement

#### 3.2.1 Description of the ERP Measurement

The ERP is measured by substitution method according to ANSI / TIA / EIA-603-C-2004. The ERP of mobile transmitters must not exceed 100 Watts according to FCC Part 90.635.

#### 3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.2.3 Test Procedures

- 1. The EUT was placed on a turntable with 1.0 meter height in a fully anechoic chamber.
- 2. The EUT was set at 1.2 meters from the receiving antenna, which was mounted on the antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiated power.
- 4. The height of the receiving antenna is adjusted to look for the maximum ERP.
- 5. Taking the record of maximum ERP.
- 6. A dipole antenna was substituted in place of the EUT and was driven by a signal generator.
- 7. The conducted power at the terminal of the dipole antenna is measured.
- 8. Repeat step 3 to step 5 to get the maximum ERP of the substitution antenna.
- 9. ERP = 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): Receive antenna factor

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

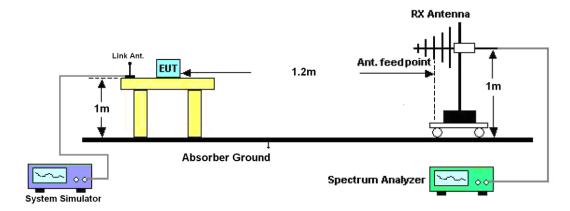
Rs: The highest received signal in spectrum analyzer for substitution antenna.

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### 3.2.4 Test Setup



#### 3.2.5 Test Result of ERP

	CDMA2000 BC10 1xRTT RC3+SO55 Radiated Power ERP					
			zontal Polariza			
	D4				EDD	EDD
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
817.00	-27.21	-48.12	0.00	-1.08	19.83	0.10
820.50	-28.00	-48.28	0.00	-0.93	19.35	0.09
822.75	-28.85	-48.35	0.00	-0.76	18.74	0.07
		Ve	rtical Polarizati	ion		
Frequency	Rt	Rs	Ps	Gs	ERP	ERP
(MHz)	(dBm)	(dBm)	(dBm)	(dBd)	(dBm)	(W)
817.00	-40.54	-47.97	0.00	-1.08	6.35	0.00
820.50	-41.17	-48.01	0.00	-0.93	5.91	0.00
822.75	-42.04	-48.05	0.00	-0.76	5.25	0.00

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#### 3.3 Bandwidth Limitations Measurement

#### 3.3.1 Description of (Occupied) Bandwidth Limitations Measurement

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

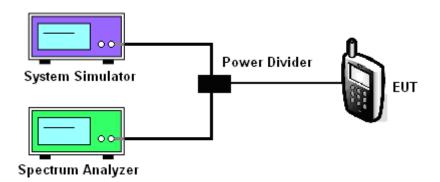
#### 3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.3.3 Test Procedures

- 1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
- 2. The 99% and 26 dB occupied bandwidth (BW) of the middle channel for the highest RF powers were measured.

#### 3.3.4 Test Setup



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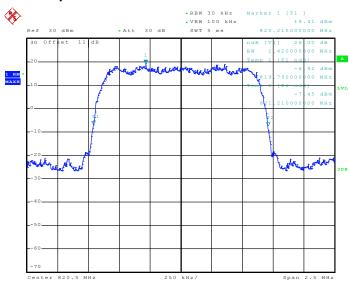
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### 3.3.5 Test Result (Plots) of Occupied Bandwidth

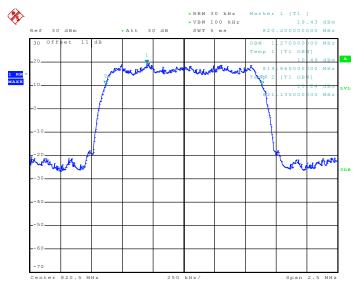
Band :	CDMA2000 BC 10	Power Stage :	High
Test Mode :	1xRTT_RC3+SO55		

#### 99% Occupied Bandwidth Plot on Channel 580



Date: 23.MAR.2011 17:32:05

#### 26dB Bandwidth Plot on Channel 580



Date: 23.MAR.2011 17:29:34

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#### 3.4 Emissions Mask Measurement

#### 3.4.1 Description of Emissions Mask Measurement

The power of any emission outside of the authorized operating frequency ranges must be followed below table, and the equipment under test supports audio feature with audio low pass filter, and the emission mask B is used according to FCC Part 90.210 (b).

Frequency band	Mask for equipment with	Mask for equipment without
(MHz)	Audio low pass filter	audio low pass filter
806-809/851-854	В	Н
809-824/854-869 <sup>3</sup>	В	G
896-901/935-940	I	J

- (b) Emission Mask B. For transmitters that are equipped with an audio low-pass filter, the power of any emission must be attenuated below the unmodulated carrier power (P) as follows:
  - (1) On any frequency removed from the assigned frequency by more than 50 percent, but not more than 100 percent of the authorized bandwidth: At least 25 dB.
  - (2) On any frequency removed from the assigned frequency by more than 100 percent, but not more than 250 percent of the authorized bandwidth: At least 35 dB.
  - (3) On any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth: At least 43 + 10 log (P) dB.

#### 3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.4.3 Test Procedures

- 1. The EUT was connected to spectrum analyzer and base station via power divider.
- 2. The emissions mask of low and high channels for the highest RF powers were measured.
- The RBW was set 30 kHz, higher than 1% of bandwidth 1.27MHz, and VBW was set 3 times of 3. RBW.
- 4. The final test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.

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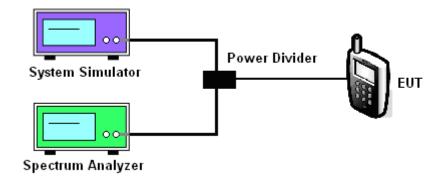
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### 3.4.4 Test Setup



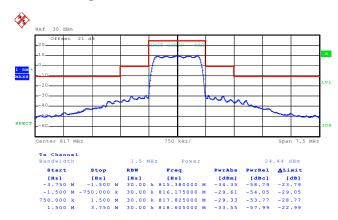
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### 3.4.5 Test Result (Plots) of Conducted Emissions Mask

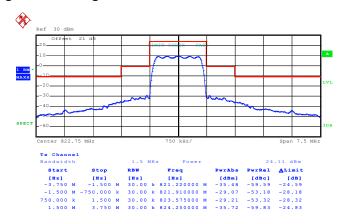
Band :	CDMA2000 BC10	Power Stage :	High
Test Mode :	1xRTT_RC3+SO55		

#### Lower Band Edge Plot on Channel 440



Date: 23.MAR.2011 18:41:40

#### **Higher Band Edge Plot on Channel 670**



Date: 8.MAR.2011 23:56:57

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#### 3.5 Emissions Mask - Out Of Band Emissions Measurement

#### 3.5.1 Description of Conducted Emissions Out of band emissions measurement

The power of any emission FCC Part 90.210 (b)(3) on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least 43 + 10 log (P) dB. It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10<sup>th</sup> harmonic.

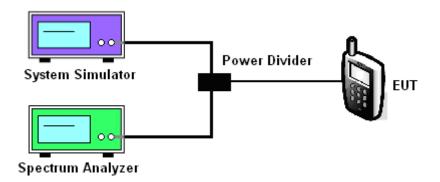
#### 3.5.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.5.3 Test Procedures

- 1. The EUT was connected to spectrum analyzer and base station via power divider.
- 2. The middle channel for the highest RF power within the transmitting frequency was measured.
- 3. The conducted spurious emission for the whole frequency range was taken.
- 4. The final test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.

#### 3.5.4 Test Setup



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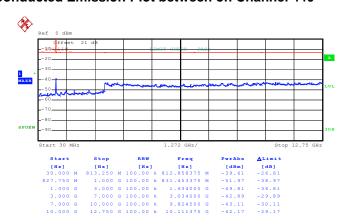
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#### 3.5.5 Test Result (Plots) of Conducted Emission

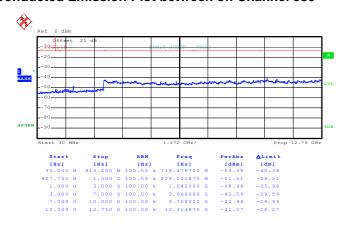
Band :	CDMA2000 BC10	Power Stage :	High
Test Mode :	1xRTT_RC3+SO55		

#### **Conducted Emission Plot between on Channel 440**



Date: 23.MAR.2011 18:48:12

#### **Conducted Emission Plot between on Channel 580**



Date: 23.MAR.2011 18:49:18

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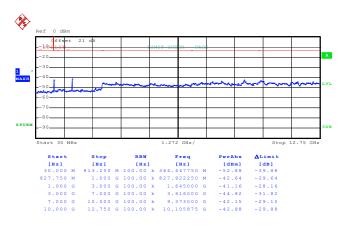
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#### **Conducted Emission Plot between on Channel 670**



Date: 8.MAR.2011 23:54:23

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### 3.6 Field Strength of Spurious Radiation Measurement

#### 3.6.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-C-2004. The power of any emission FCC Part 90.210 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### 3.6.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.6.3 Test Procedures

- The EUT was placed on a rotatable wooden table with 0.8 meter about ground.
- The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
- 4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
- Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
- 6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- 7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- 8. Taking the record of output power at antenna port.
- 9. Repeat step 7 to step 8 for another polarization.
- 10. EIRP (dBm) = S.G. Power Tx Cable Loss + Tx Antenna Gain
- 11. ERP (dBm) = EIRP 2.15

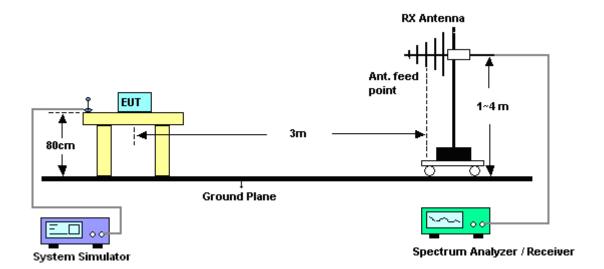
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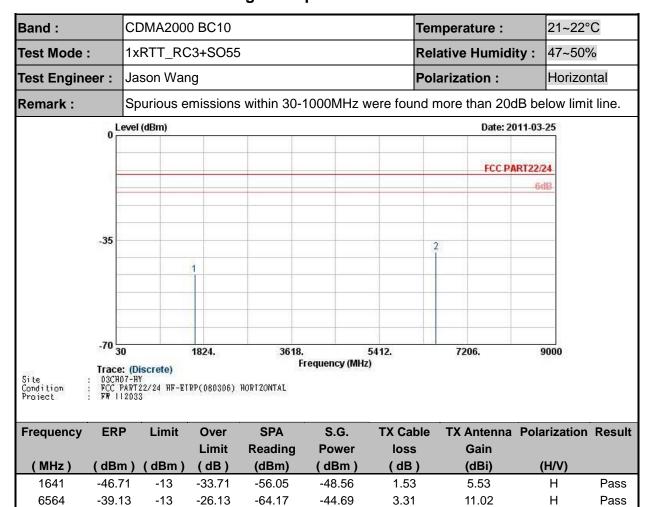


### 3.6.4 Test Setup



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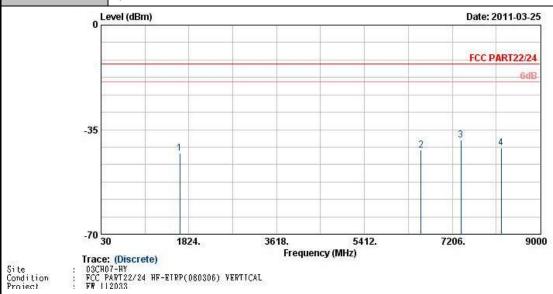
#### 3.6.5 Test Result of Field Strength of Spurious Radiated



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Band :	CDMA2000 BC10	Temperature :	21~22°C		
Test Mode :	1xRTT_RC3+SO55	Relative Humidity :	47~50%		
Test Engineer :	Jason Wang	Polarization :	Vertical		
Remark ·	Spurious emissions within 30-1000MHz were found more than 20dB below limit line				



Frequency	ERP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	( dB )	(dBm)	(dBm)	( dB )	(dBi)	(H/V)	
1641	-42.89	-13	-29.89	-54.42	-44.74	1.53	5.53	V	Pass
6564	-41.85	-13	-28.85	-66.4	-47.41	3.31	11.02	V	Pass
7385	-38.54	-13	-25.54	-66.07	-44.85	3.5	11.96	V	Pass
8205	-41.22	-13	-28.22	-66.03	-47.98	3.87	12.78	V	Pass

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3.7 Frequency Stability Measurement

3.7.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of

the center frequency according to FCC Part 90.213.

3.7.2 Measuring Instruments

See list of measuring instruments of this test report.

3.7.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the base station.

2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one

minute.

3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change

was recorded within one minute.

4. If the EUT cannot be turned on at -30°C, the testing lowest temperature will be raised in 10°C

step until the EUT can be turned on.

3.7.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the base

station.

2. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value

measured at the input to the EUT.

3. The variation in frequency was measured for the worst case.

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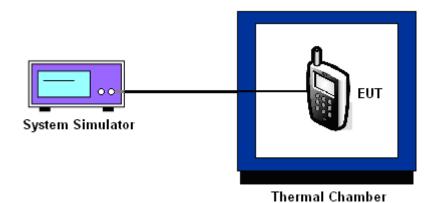
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### 3.7.5 Test Setup



# 3.7.6 Test Result of Temperature Variation

Band :	CDMA2000 BC10	Channel:	580
Test Mode :	1xRTT_RC3+SO55	Limit (ppm):	2.5

Temperature (°C)	Freq. Dev. (Hz)		
-30	7	0.01	
-20	-17	-0.02	
-10	-20	-0.02	
0	-20	-0.02	
10	-14	-0.02	PASS
20	18	0.02	
30	14	0.02	
40	12	0.01	
50	17	0.02	

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### 3.7.7 Test Result of Voltage Variation

Band & Channel	Mode	Voltage (Volt)	Freq. Dev. (Hz)	Deviation (ppm)	Limit (ppm)	Result
		3.8	14	0.02		
CDMA2000 BC10 CH580	1xRTT RC3+SO55	BEP	10	0.01	2.5	PASS
		4.2	10	0.01		

#### Note:

- 1. Normal Voltage = 3.8V.
- 2. Battery End Point (BEP) = 3.6 V.

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4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
System Simulator	R&S	CMU200	117995	N/A	Jun. 08, 2009	Jun. 07, 2011	Conducted (TH02-HY)
Spectrum Analyzer	R&S	FSP40	100055	9kHz~40GHz	Jun. 11, 2010	Jun. 10, 2011	Conducted (TH02-HY)
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 13, 2010	Sep. 12, 2011	Conducted (TH02-HY)
Power Sensor	Anritsu	MA2411B	0846202	N/A	Sep. 14, 2010	Sep. 13, 2011	Conducted (TH02-HY)
Thermal Chamber	Ten Billion	TTH-D35P	TBN-930701	N/A	Jul. 30,2010	Jul. 29, 2011	Conducted (TH02-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2726	30MHz ~ 1GHz	Oct. 31, 2010	Oct. 30, 2011	Radiation (03CH07-HY)
Spectrum Analyzer	R&S	FSP	101067	9KHz ~ 30GHz	Dec. 03, 2010	Dec. 02, 2011	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Aug. 19, 2010	Aug. 18, 2011	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917025 1	15GHz- 40GHz	Oct. 18, 2010	Oct. 17, 2011	Radiation (03CH07-HY)
Pre Amplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Dec. 06, 2010	Dec. 05, 2011	Radiation (03CH07-HY)
Pre Amplifier	COM-POWER	PA-103A	161241	10-1000MHz.32dB. GAIN	Mar. 29, 2010	Mar. 28, 2011	Radiation (03CH07-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz~30 MHz	Jul. 29, 2010	Jul. 28, 2011	Radiation (03CH07-HY)
System Simulator	R&S	CMU200	117591	N/A	Oct. 18, 2010	Oct. 17, 2011	Radiation (03CH07-HY)

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# 5 Uncertainty of Evaluation

#### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

	Uncerta	inty of X <sub>i</sub>	
Contribution	dB	Probability Distribution	u(X <sub>i</sub> )
Receiver Reading	0.41	Normal (k=2)	0.21
Antenna Factor Calibration	0.83	Normal (k=2)	0.42
Cable Loss Calibration	0.25	0.25 Normal (k=2)	
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14
RCV/SPA Specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site Imperfection	1.43	Rectangular	0.83
Mismatch	+0.39 / -0.41 U-Shape		0.28
Combined Standard Uncertainty Uc(y)	1.27		
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.54		

#### **Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)**

	Uncertai	Uncertainty of X <sub>i</sub>			
Contribution	dB	Probability Distribution	u(X <sub>i</sub> )	C <sub>i</sub>	C <sub>i</sub> * u(X <sub>i</sub> )
Receiver Reading	±0.10	Normal (k=2)	0.10	1	0.10
Antenna Factor Calibration	±1.70	Normal (k=2)	0.85	1	0.85
Cable Loss Calibration	±0.50	Normal (k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site Imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma$ 1 = 0.197 Antenna VSWR $\Gamma$ 2 = 0.194 Uncertainty = 20Log(1- $\Gamma$ 1* $\Gamma$ 2)	+0.34 / -0.35	U-Shape	0.244	1	0.244
Combined Standard Uncertainty Uc(y)	2.36				
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))		4.7	72		

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# **Appendix A. FCC Document**

Please see the document as below.

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