



**FCC 47 CFR PART 22 SUBPART H AND PART 24 SUBPART E
(Class II Permissive Change)**

TEST REPORT

For

Smart Phone

Trade Name: N/A

Model: LIBR100

Issued to

**High Tech Computer Corp.
23 Xinghua Rd., Taoyuan,
Taiwan, R.O.C.**

Issued by



**Compliance Certification Services Inc.
No. 81-1, Lane 210, Bade Rd. 2, Luchu Hsiang,
Taoyuan Hsien, (338) Taiwan, R.O.C.
<http://www.ccsemc.com.tw>
service@tw.ccsemc.com**



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1. TEST RESULT CERTIFICATION

Applicant: High Tech Computer Corp.
23 Xinghua Rd., Taoyuan,
Taiwan, R.O.C.

Equipment Under Test: Smart Phone

Trade Name: N/A

Model Number: LIBR100

Date of Test: January 18 ~ 25, 2008

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR PART 22 SUBPART H AND PART 24 SUBPART E	No non-compliance noted

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI/TIA/EIA-603-A-2001 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rule FCC PART 22 Subpart H and PART 24 Subpart E.

The test results of this report relate only to the tested sample identified in this report.

Approved by:

Reviewed by:

Rex Lai
Section Manager
Compliance Certification Services Inc.

Amanda Wu
Section Manager
Compliance Certification Services Inc.



2. EUT DESCRIPTION

Product	Smart Phone
Trade Name	N/A
Model Number	LIBR100
Model Discrepancy	N/A
Power Supply	<p>Power Adapter:</p> <ol style="list-style-type: none"> DELTA Model: ADP-5FH B I/P: AC 100-240V, 0.2A, 50-60Hz O/P: 5V, 1A, LPS PHIHONG Model: PSAA05A-05A I/P: AC 100-240V, 50-60Hz, 0.2A O/P: DC 5V, 1A, LPS TAMURA Model: JHA050100UU05 I/P: 100-240V, 300mA, 50-60Hz O/P: 5V, 1A, LPS <p>Battery:</p> <ol style="list-style-type: none"> Rechargeable Li-ion Polymer Battery Model: LIBR160 Rating: 3.7VDC, 1050mAh SANYO Li-ion Polymer Battery Model: 1UPF473850 Rating: 1050mAh
Accessories	<ul style="list-style-type: none"> ● Splitter: Acon, P/N: CBAUB-617-X ● Holster with belt clip (Pouch) 1- New Tech, P/N:HTC-326 (belt clip) ● Holster with belt clip (Pouch) 2- New Tech, P/N:HTC-333 ● Headset : Merry, P.N: EMC220-008 ● Mini USB Cable: MEC, P/N: 60-4251-100 ● Splitter Cable: MEC, P/N: 60-4269-300
Frequency Range	<p>TX: 824.7 ~ 848.31 MHz / 1851.25 ~ 1908.75 MHz RX: 869.7 ~ 893.31 MHz / 1931.25 ~ 1988.75 MHz</p>
Transmit Power (ERP & EIRP Power)	<p>CDMA2000 1xRTT 850 MHz: Slide Mode: 20.79 dBm 1900 MHz: Slide Mode: 19.27dBm CDMA2000 1xEDVO 850 MHz: Slide Mode: 26.05 dBm 1900 MHz: Close Mode: 22.92 dBm</p>
Cellular Phone Protocol	<p>CDMA2000 1xRTT CDMA2000 1xEVDO</p>
Type of Emission	<p>CDMA2000 1xRTT: 824.7 ~ 848.31 MHz: 1M29F9W--- 1851.25 ~ 1908.75 MHz: 1M27F9W--- CDMA2000 1xEVDO 824.7 ~ 848.31 MHz: 1M27F9W--- 1851.25 ~ 1908.75 MHz: 1M27F9W---</p>
Antenna Gain	<p>850 MHz: -2 dBi 1900 MHz: -1 dBi</p>
Antenna Type	Monopole Antenna
Class II Permissive Change	Change PA source from Anadigics (model: AWT6137) to Triquent (model: TQM713019).

Remark: This submittal(s) (test report) is intended for FCC ID: NM8LIBR100 filing to comply with Part 22 and Part 24 of the FCC 47 CFR Rules.



3. TEST METHODOLOGY

Both conducted and radiated testing were performed according to the procedures document on chapter 13 of ANSI C63.4 and FCC CFR 47, 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

3.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4.



3.4 DESCRIPTION OF TEST MODES

The EUT (model: LIBR100) comes with three power adaptors, two batteries, one headset and one splitter for sale. After the preliminary test, the EUT with power adapter (Model: ADP-5FH B) and battery (D00035178) was found to emit the worst emissions and therefore had been tested under operating condition.

After verification, all tests were carried out with the worst case test modes as shown below except radiated spurious emission below 1GHz and power line conducted emissions below 30MHz, which worst case was in normal link mode only.

EUT staying in continuous transmitting mode was programmed.

The worst emission was found:

in lie-down (X axis) for CDMA 2000 1xRTT cellular slide mode,

in lie-down (Y axis) for CDMA 2000 1xRTT PCS closed mode,

in lie-down (X axis) for CDMA 2000 1xEVDO cellular and 1xEVDO PCS slide mode.



4. INSTRUMENT CALIBRATION

4.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

4.2 MEASUREMENT EQUIPMENT USED

Equipment Used for Emissions Measurement

Remark: Each piece of equipment is scheduled for calibration once a year.

Conducted Emissions Test Site				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY43360131	01/16/2009
Spectrum Analyzer	R&S	FSEK30	10026	03/21/2008

3M Semi Anechoic Chamber				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	US42510252	09/11/2008
Test Receiver	Rohde&Schwarz	ESCI	100064	11/12/2008
Switch Controller	TRC	Switch Controller	SC94050010	05/04/2008
4 Port Switch	TRC	4 Port Switch	SC94050020	05/04/2008
Reject Filter	Micro-Tronics	HPM13194	007	N.C.R.
Reject Filter	Micro-Tronics	HPM13193	007	N.C.R.
Horn-Antenna	TRC	HA-0502	06	06/05/2008
Horn-Antenna	TRC	HA-0801	04	06/20/2008
Horn-Antenna	TRC	HA-1201A	01	08/12/2008
Horn-Antenna	TRC	HA-1301A	01	08/12/2008
Bilog- Antenna	Sunol Sciences	JB3	A030205	03/29/2008
Turn Table	Max-Full	MFT-120S	T120S940302	N.C.R.
Antenna Tower	Max-Full	MFA-430	A440940302	N.C.R.
Controller	Max-Full	MF-CM886	CC-C-1F-13	N.C.R.
Site NSA	CCS	N/A	FCC: 965860 IC: IC 6106	09/25/2008
SERIES SWEPT SIGNAL GENERATOR	Agilent	83630B	3844A01022	01/22/2008
Substituted Dipole	Schwazbeck	VHAP/UHAP	998 +999/ 981+982	06/10/2008
DC POWER SUPPLY	ABM	8301HD	D011531	07/11/2008
Substituted Horn	EMCO	3115	00022257	12/16/2008
Temp. / Humidity Chamber	TERCHY	MHG-150LF	930619	08/07/2008
Test S/W	LABVIEW (V 6.1)			

Remark: The measurement uncertainty is less than +/-2.0065dB (30MHz ~ 1GHz), +/-3.0958dB (Above 1GHz) which is evaluated as per the NAMAS NIS 81 and CISPR/A/291/CDV.



5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

No. 199, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan, R.O.C.

Tel: 886-2-2217-0894 / Fax: 886-2-2217-1029

No. No.11, Wugong 6th Rd., Wugu Industrial Park, Taipei Hsien 248, Taiwan

Tel: 886-2-2299-9720 / Fax: 886-2-2298-4045

No.81-1, Lane 210, Bade 2nd Rd., Luchu Hsiang, Taoyuan Hsien 338, Taiwan

Tel: 886-3-324-0332 / Fax: 886-3-324-5235

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

5.2 EQUIPMENT

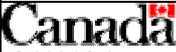
Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3 TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	A2LA	EN 55011, EN 55014-1/2, CISPR 11, CISPR 14-1/2, EN 55022, EN 55015, CISPR 22, CISPR 15, AS/NZS 3548, VCCI V3 (2001), CFR 47, FCC Part 15/18, CNS 13783-1, CNS 13439, CNS 13438, CNS 13803, CNS 14115, EN 55024, IEC 801-2, IEC 801-3, IEC 801-4, IEC/EN 61000-3-2, IEC/EN 61000-3-3, IEC/EN 61000-4-2/3/4/5/6/8/11, EN 50081-1/ EN 61000-6-3, EN 50081-2/EN 61000-6-4, EN 50081-2/EN 61000-6-1: 2001	 ACCREDITED TESTING CERT #0824.01
USA	FCC	3/10 meter Open Area Test Sites (93105, 90471) / 3M Semi Anechoic Chamber (965860) to perform FCC Part 15/18 measurements	 93105, 90471 965860
Japan	VCCI	3/10 meter Open Area Test Sites to perform conducted/radiated measurements	 R-393/1066/725/879 C-402/747/912
Norway	NEMKO	EN 50081-1/2, EN 50082-1/2, IEC 61000-6-1/2, EN 50091-2, EN 50130-4, EN 55011, EN 55013, EN 55014-1/2, EN 55015, EN 55022, EN 55024, EN 61000-3-2/3, EN 61326-1, IEC 61000-4-2/3/4/5/6/8/11, EN 60601-1-2, EN 300 328, EN 300 422-2, EN 301 419-1, EN 301 489-01/03/07/08/09/17, EN 301 419-2/3, EN 300 454-2, EN 301 357-2	 ELA 124a ELA 124b ELA 124c
Taiwan	TAF	EN 300 328, EN 300 220-1, EN 300 220-2, EN 300 220-3, 47 CFR FCC Part 15 Subpart C, EN 61000-3-2, EN 61000-3-3, CNS 13439, CNS 13783-1, CNS 14115, CNS 13438, AS/NZS CISPR 22, CNS 13022-1, IEC 61000-4-2/3/4/5/6/8/11, CNS 13022-2/3	 Testing Laboratory 0363
Taiwan	BSMI	CNS 13438, CNS 13783-1, CNS 13439, CNS 14115	 SL2-IS-E-0014 SL2-IN-E-0014 SL2-A1-E-0014 SL2-R1-E-0014 SL2-R2-E-0014 SL2-L1-E-0014
Canada	Industry Canada	3/10 meter Open Area Test Sites (IC 2324C-3, IC 2324C-5) / 3M Semi Anechoic Chamber (IC 6106)	 IC 2324C-3 IC 2324C-5 IC 6106

* No part of this report may be used to claim or imply product endorsement by A2LA or any agency of the US Government.



6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix I for the actual connections between EUT and support equipment.

6.2 SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.	FCC ID	Data Cable	Power Cord
1.	Bluetooth Headset (Remote)	COREGA	CG-BTHS01-10	10T90020500124	COREGA	N/A	N/A
2.	Wireless Communication Test Set (Remote)	Agilent	E5515C	GB44051665	FCC DOC	N/A	N/A

Remark:

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



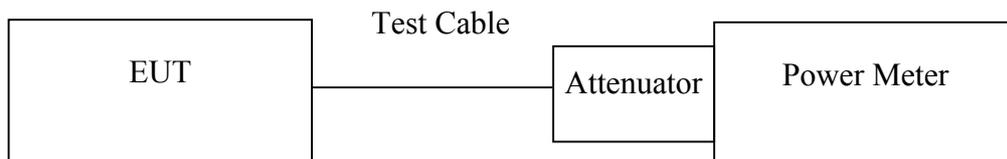
7. FCC PART 22 & 24 REQUIREMENTS

7.1 AVERAGE POWER

LIMIT

According to FCC §2.1046.

Test Configuration



Remark: Measurement setup for testing on Antenna connector

TEST PROCEDURE

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

TEST RESULTS

No non-compliance noted.

Test Data

Test Mode	CH	Frequency (MHz)	Power Meter Reading (dBm)	Attenuator (dB)	Average Power (dBm)
CDMA2000 1xRTT Cellular	1013	824.70	19.42	4.50	23.92
	384	836.52	19.12		23.62
	777	848.31	19.51		24.01
CDMA2000 1xEVDO Cellular	1013	824.70	19.45	4.50	23.95
	384	836.52	19.41		23.91
	777	848.31	19.06		23.56

Test Mode	CH	Frequency (MHz)	Power Meter Reading (dBm)	Attenuator (dB)	Average Power (dBm)
CDMA2000 1xRTT PCS	25	1851.25	19.87	4.50	24.37
	600	1880.00	19.56		24.06
	1175	1908.75	19.62		24.12
CDMA2000 1xEVDO PCS	25	1851.25	20.06	4.50	24.56
	600	1880.00	19.63		24.13
	1175	1908.75	19.67		24.17

Remark: The value of factor includes both the loss of cable and external attenuator.

7.2 ERP & EIRP MEASUREMENT

LIMIT

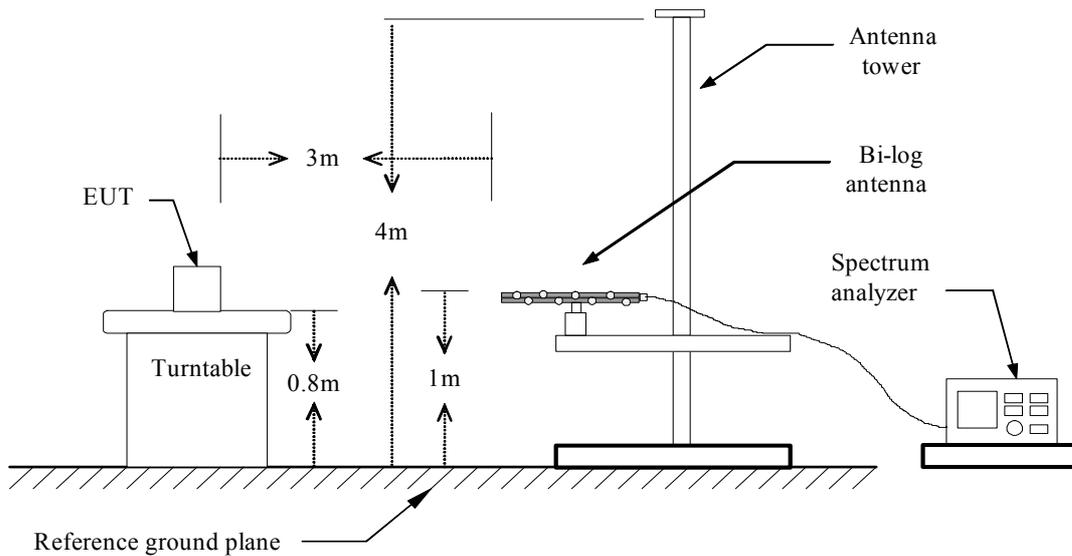
According to FCC §2.1046

FCC 22.913(b): The Effective Radiated Power (ERP) of mobile transmitters must not exceed 7 Watts.

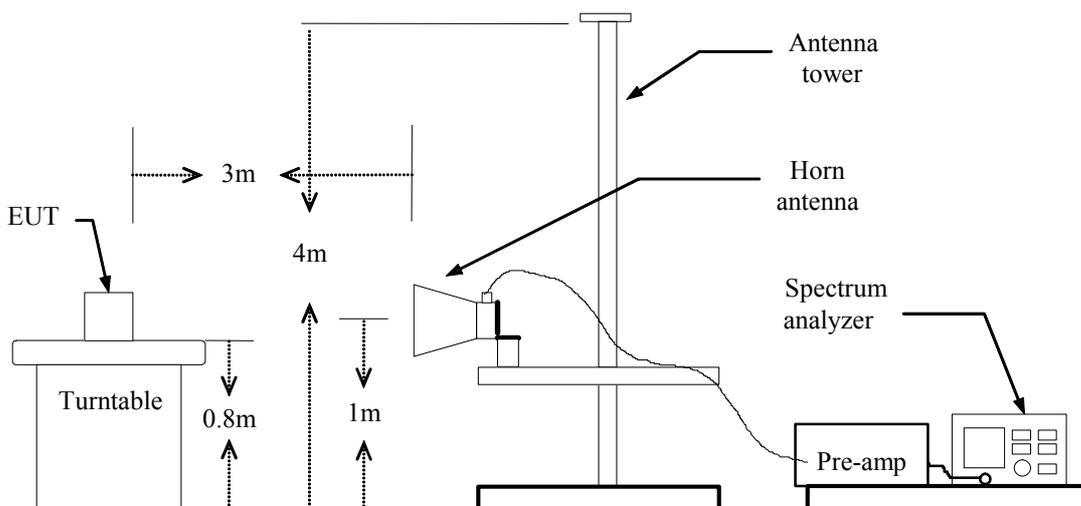
FCC 24.232(b): The equivalent Isotropic Radiated Power (EIRP) must not exceed 2 Watts.

TEST CONFIGURATION

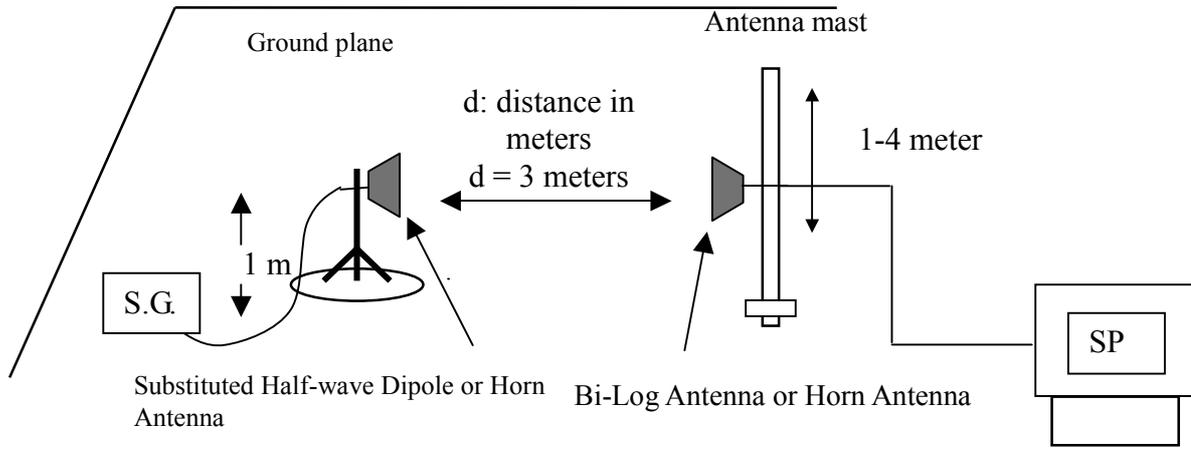
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



TEST PROCEDURE

The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.

During the measurement of the EUT, the resolution bandwidth was set to 3MHz and the average bandwidth was set to 3MHz. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824-849MHz, and EIRP in frequency band 1851.25 –1910MHz were measured using a substitution method. The EUT was replaced by half-wave dipole (824-849MHz) or horn antenna (1851.25-1910MHz) connected to a signal generator. The spectrum analyzer reading was recorded and ERP/EIRP was calculated as follows:

$$ERP = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable (dB)}$$

$$EIRP = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$$



TEST RESULTS

No non-compliance noted.

CDMA2000 1xRTT Cellular Test Data - Close Mode

EUT Pol.	Channel	Frequency (MHz)	Reading level (dBuV)	Antenna Pol.	Correction Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
X	1013	824.80	-23.41	V	36.42	13.00	38.45	-25.45
		824.60	-15.58	H	36.22	20.63	38.45	-17.82
	384	836.70	-23.83	V	36.54	12.71	38.45	-25.74
		836.70	-15.70	H	36.48	*20.79	38.45	-17.66
	777	848.40	-22.59	V	36.66	14.07	38.45	-24.38
		848.40	-15.46	H	36.64	21.19	38.45	-17.26

CDMA2000 1xRTT PCS Test Data – Close Mode

EUT Pol.	Channel	Frequency (MHz)	Reading level (dBuV)	Antenna Pol.	Correction Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
Y	25	1851.20	-25.25	V	44.21	18.96	33.00	-14.04
		1851.20	-30.04	H	42.89	12.85	33.00	-20.15
	600	1879.80	-24.74	V	44.02	*19.27	33.00	-13.73
		1879.80	-28.77	H	43.01	14.23	33.00	-18.77
	1175	1908.50	-24.99	V	43.88	18.89	33.00	-14.11
		1908.90	-26.92	H	43.10	16.18	33.00	-16.82



CDMA2000 1xEVDO Cellular Test Data – Slide Mode

EUT Pol.	Channel	Frequency (MHz)	Reading level (dBuV)	Antenna Pol.	Correction Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
Y	1013	824.70	-21.14	V	36.41	15.28	38.45	-23.17
		824.90	-10.18	H	36.22	*26.05	38.45	-12.40
	384	836.40	-24.71	V	36.54	11.82	38.45	-26.63
		836.40	-11.86	H	36.48	24.62	38.45	-13.83
	777	848.70	-22.76	V	36.67	13.90	38.45	-24.55
		848.20	-14.08	H	36.64	22.56	38.45	-15.89

CDMA2000 1xEVDO PCS Test Data – Slide Mode

EUT Pol.	Channel	Frequency (MHz)	Reading level (dBuV)	Antenna Pol.	Correction Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
Y	25	1851.15	-29.65	V	44.21	14.56	33.00	-18.44
		1851.15	-19.97	H	42.89	*22.92	33.00	-10.08
	600	1879.90	-30.25	V	44.02	13.77	33.00	-19.23
		1879.90	-21.48	H	43.01	21.52	33.00	-11.48
	1175	1908.70	-32.24	V	43.88	11.64	33.00	-21.36
		1908.70	-22.26	H	43.10	20.84	33.00	-12.16

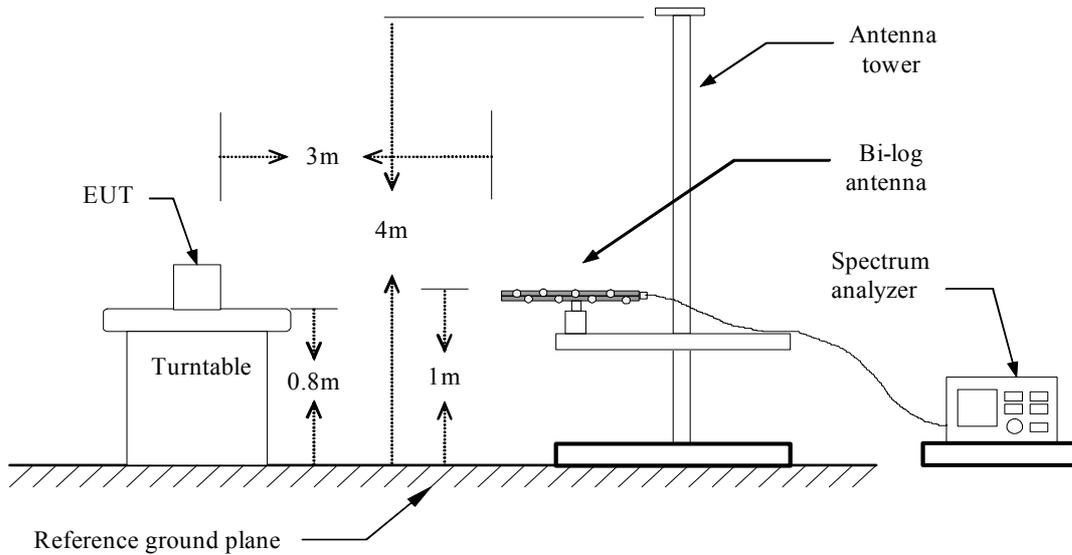
7.3 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

LIMIT

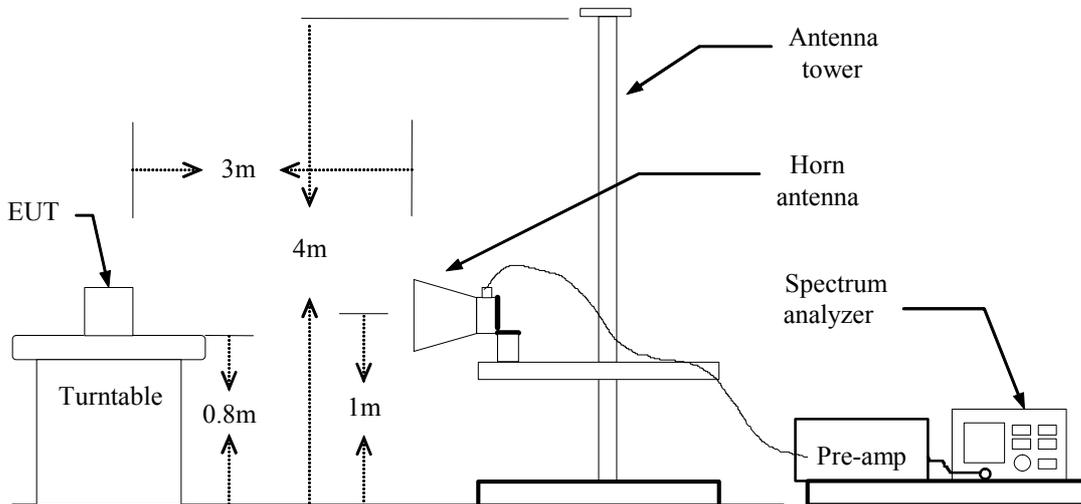
According to FCC §2.1053

Test Configuration

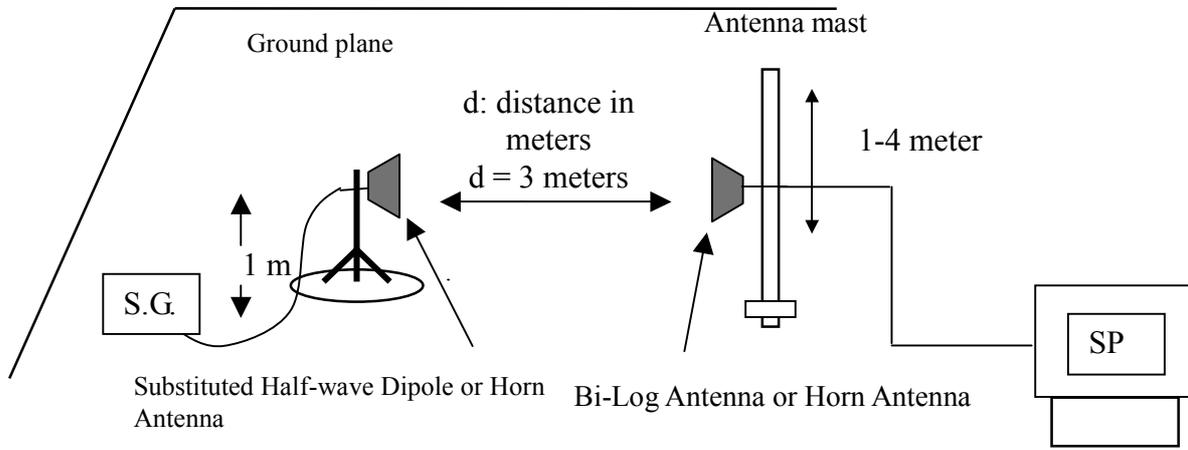
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



TEST PROCEDURE

The EUT was placed on a non-conductive, the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission were identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

$$\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable (dB)}$$

$$\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$$

TEST RESULTS

Refer to the attached tabular data sheets.



Radiated Spurious Emission Measurement Result

Below 1GHz

Operation Mode: CDMA2000 1xRTT Cellular / CH Low

Test Date: January 18, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
41.64	V	-62.64	-1.73	-64.38	-13.00	-51.38
65.89	V	-59.14	-10.39	-69.53	-13.00	-56.53
150.28	V	-58.92	-16.09	-75.01	-13.00	-62.01
157.07	V	-53.89	-18.78	-72.67	-13.00	-59.67
265.71	V	-63.16	-15.54	-78.69	-13.00	-65.69
443.22	V	-59.99	-11.24	-71.22	-13.00	-58.22
36.79	H	-62.26	-3.80	-66.05	-13.00	-53.05
57.16	H	-60.53	-7.10	-67.63	-13.00	-54.63
99.84	H	-48.73	-22.39	-71.12	-13.00	-58.12
215.27	H	-62.27	-14.98	-77.25	-13.00	-64.25
239.52	H	-63.34	-15.32	-78.65	-13.00	-65.65
512.09	H	-61.07	-9.33	-70.40	-13.00	-57.40

Remark:

- 1. The emission behaviour belongs to narrowband spurious emission.*
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser; with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*



Operation Mode: CDMA2000 1xRTT Cellular / CH Mid

Test Date: January 18, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
36.79	V	-62.69	-0.71	-63.40	-13.00	-50.40
57.16	V	-59.83	-7.45	-67.28	-13.00	-54.28
65.89	V	-60.21	-10.39	-70.60	-13.00	-57.60
150.28	V	-58.76	-16.09	-74.85	-13.00	-61.85
157.07	V	-54.67	-18.78	-73.45	-13.00	-60.45
452.92	V	-61.06	-10.84	-71.90	-13.00	-58.90
34.85	H	-62.67	-4.45	-67.12	-13.00	-54.12
57.16	H	-60.49	-7.10	-67.59	-13.00	-54.59
98.87	H	-46.10	-22.38	-68.48	-13.00	-55.48
131.85	H	-54.12	-21.44	-75.56	-13.00	-62.56
215.27	H	-62.10	-14.98	-77.08	-13.00	-64.08
427.70	H	-64.64	-11.46	-76.11	-13.00	-63.11

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xRTT Cellular / CH High **Test Date:** January 18, 2008

Temperature: 25°C **Tested by:** Jerry Lin

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
34.85	V	-62.15	-0.96	-63.12	-13.00	-50.12
65.89	V	-59.60	-10.39	-70.00	-13.00	-57.00
150.28	V	-58.47	-16.09	-74.56	-13.00	-61.56
157.07	V	-53.70	-18.78	-72.48	-13.00	-59.48
215.27	V	-62.69	-16.63	-79.32	-13.00	-66.32
452.92	V	-60.75	-10.84	-71.59	-13.00	-58.59
38.73	H	-62.76	-3.30	-66.06	-13.00	-53.06
57.16	H	-59.53	-7.10	-66.63	-13.00	-53.63
90.14	H	-54.68	-22.27	-76.95	-13.00	-63.95
147.37	H	-47.62	-17.10	-64.72	-13.00	-51.72
189.08	H	-52.07	-17.39	-69.46	-13.00	-56.46
215.27	H	-60.85	-14.98	-75.82	-13.00	-62.82

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*



Operation Mode: CDMA2000 1xEVDO Cellular / CH Low Test Date: January 22, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
35.82	V	-69.49	-0.74	-70.23	-13.00	-57.23
101.78	V	-48.91	-21.56	-70.47	-13.00	-57.47
133.79	V	-66.63	-20.07	-86.70	-13.00	-73.70
148.34	V	-71.57	-16.51	-88.08	-13.00	-75.08
411.21	V	-63.77	-12.24	-76.01	-13.00	-63.01
514.03	V	-62.21	-9.15	-71.36	-13.00	-58.36
36.79	H	-63.37	-3.80	-67.16	-13.00	-54.16
48.43	H	-62.69	-4.22	-66.91	-13.00	-53.91
89.17	H	-56.94	-22.11	-79.05	-13.00	-66.05
101.78	H	-60.44	-22.22	-82.65	-13.00	-69.65
136.70	H	-62.34	-20.62	-82.96	-13.00	-69.96
155.13	H	-63.75	-18.14	-81.89	-13.00	-68.89

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO Cellular / CH Mid Test Date: January 22, 2008

Temperature: 25°C Tested by: Jerry Lin

Humidity: 55 % RH Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
42.61	V	-59.75	-2.39	-62.14	-13.00	-49.14
60.07	V	-65.82	-8.38	-74.20	-13.00	-61.20
129.91	V	-52.81	-20.63	-73.44	-13.00	-60.44
151.25	V	-66.75	-16.47	-83.23	-13.00	-70.23
247.28	V	-68.49	-15.62	-84.11	-13.00	-71.11
547.98	V	-67.40	-8.20	-75.61	-13.00	-62.61
36.79	H	-62.05	-3.80	-65.84	-13.00	-52.84
45.52	H	-62.03	-4.61	-66.64	-13.00	-53.64
90.14	H	-57.48	-22.27	-79.74	-13.00	-66.74
155.13	H	-61.68	-18.14	-79.83	-13.00	-66.83
211.39	H	-64.60	-14.96	-79.56	-13.00	-66.56
384.05	H	-64.47	-12.02	-76.49	-13.00	-63.49

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO Cellular / CH High Test Date: January 22, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
40.67	V	-59.45	-1.07	-60.53	-13.00	-47.53
70.74	V	-62.24	-12.29	-74.53	-13.00	-61.53
149.31	V	-65.64	-16.20	-81.84	-13.00	-68.84
321.97	V	-66.07	-13.35	-79.42	-13.00	-66.42
437.40	V	-66.32	-11.45	-77.77	-13.00	-64.77
565.44	V	-67.34	-8.17	-75.51	-13.00	-62.51
37.76	H	-62.18	-3.55	-65.73	-13.00	-52.73
90.14	H	-58.09	-22.27	-80.36	-13.00	-67.36
136.70	H	-61.64	-20.62	-82.26	-13.00	-69.26
155.13	H	-61.42	-18.14	-79.56	-13.00	-66.56
188.11	H	-63.36	-17.48	-80.84	-13.00	-67.84
456.80	H	-66.23	-11.08	-77.31	-13.00	-64.31

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xRTT PCS / CH Low

Test Date: January 18, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
35.82	V	-61.04	-0.74	-61.78	-13.00	-48.78
57.16	V	-59.49	-7.45	-66.94	-13.00	-53.94
65.89	V	-58.41	-10.39	-68.80	-13.00	-55.80
102.75	V	-59.66	-21.50	-81.16	-13.00	-68.16
157.07	V	-53.41	-18.78	-72.19	-13.00	-59.19
452.92	V	-60.70	-10.84	-71.55	-13.00	-58.55
40.67	H	-61.83	-3.21	-65.03	-13.00	-52.03
57.16	H	-59.22	-7.10	-66.32	-13.00	-53.32
90.14	H	-55.94	-22.27	-78.21	-13.00	-65.21
140.58	H	-53.64	-19.83	-73.47	-13.00	-60.47
155.13	H	-59.40	-18.14	-77.54	-13.00	-64.54
215.27	H	-60.45	-14.98	-75.43	-13.00	-62.43

Remark:

- 1. The emission behaviour belongs to narrowband spurious emission.*
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*



Operation Mode: CDMA2000 1xRTT PCS / CH Mid

Test Date: January 18, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
35.82	V	-60.67	-0.74	-61.41	-13.00	-48.41
65.89	V	-57.70	-10.39	-68.09	-13.00	-55.09
157.07	V	-53.16	-18.78	-71.94	-13.00	-58.94
215.27	V	-61.43	-16.63	-78.06	-13.00	-65.06
419.94	V	-63.18	-12.01	-75.19	-13.00	-62.19
452.92	V	-61.35	-10.84	-72.19	-13.00	-59.19
36.79	H	-61.20	-3.80	-65.00	-13.00	-52.00
57.16	H	-60.01	-7.10	-67.11	-13.00	-54.11
75.59	H	-54.31	-17.69	-72.00	-13.00	-59.00
103.72	H	-59.56	-22.03	-81.59	-13.00	-68.59
155.13	H	-59.07	-18.14	-77.21	-13.00	-64.21
215.27	H	-59.06	-14.98	-74.03	-13.00	-61.03

Remark:

- 1. The emission behaviour belongs to narrowband spurious emission.*
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*



Operation Mode: CDMA2000 1xRTT PCS / CH High

Test Date: January 18, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
34.85	V	-59.53	-0.96	-60.49	-13.00	-47.49
89.17	V	-54.40	-21.44	-75.84	-13.00	-62.84
150.28	V	-58.88	-16.09	-74.97	-13.00	-61.97
157.07	V	-54.21	-18.78	-72.99	-13.00	-59.99
258.92	V	-57.11	-15.76	-72.86	-13.00	-59.86
452.92	V	-60.81	-10.84	-71.65	-13.00	-58.65
35.82	H	-61.35	-4.05	-65.40	-13.00	-52.40
57.16	H	-59.41	-7.10	-66.51	-13.00	-53.51
90.14	H	-54.49	-22.27	-76.76	-13.00	-63.76
155.13	H	-59.72	-18.14	-77.86	-13.00	-64.86
215.27	H	-58.50	-14.98	-73.48	-13.00	-60.48
427.70	H	-63.95	-11.46	-75.42	-13.00	-62.42

Remark:

- 1. The emission behaviour belongs to narrowband spurious emission.*
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*



Operation Mode: CDMA2000 1xEVDO PCS / CH Low

Test Date: January 22, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
41.64	V	-58.70	-1.73	-60.44	-13.00	-47.44
90.14	V	-58.30	-21.73	-80.03	-13.00	-67.03
136.70	V	-62.26	-19.65	-81.91	-13.00	-68.91
155.13	V	-62.32	-18.01	-80.33	-13.00	-67.33
279.29	V	-63.04	-15.60	-78.64	-13.00	-65.64
452.92		-65.44	-10.84	-76.28	-13.00	-63.28
42.61	H	-61.03	-3.87	-64.90	-13.00	-51.90
57.16	H	-62.00	-7.10	-69.10	-13.00	-56.10
90.14	H	-57.67	-22.27	-79.94	-13.00	-66.94
155.13	H	-61.09	-18.14	-79.23	-13.00	-66.23
208.48	H	-63.76	-15.16	-78.92	-13.00	-65.92
279.29	H	-60.58	-15.83	-76.41	-13.00	-63.41

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO PCS / CH Mid

Test Date: January 22, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
40.67	V	-58.95	-1.07	-60.03	-13.00	-47.03
72.68	V	-62.48	-13.54	-76.02	-13.00	-63.02
151.25	V	-63.62	-16.47	-80.09	-13.00	-67.09
272.50	V	-64.84	-15.42	-80.25	-13.00	-67.25
279.29	V	-63.69	-15.60	-79.29	-13.00	-66.29
582.90	V	-67.85	-7.78	-75.63	-13.00	-62.63
37.76	H	-62.08	-3.55	-65.63	-13.00	-52.63
90.14	H	-57.39	-22.27	-79.66	-13.00	-66.66
136.70	H	-59.74	-20.62	-80.36	-13.00	-67.36
155.13	H	-60.96	-18.14	-79.10	-13.00	-66.10
279.29	H	-62.83	-15.83	-78.66	-13.00	-65.66
428.67	H	-65.75	-11.44	-77.19	-13.00	-64.19

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO PCS / CH High

Test Date: January 22, 2008

Temperature: 25°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
43.58	V	-58.48	-3.05	-61.53	-13.00	-48.53
90.14	V	-57.87	-21.73	-79.59	-13.00	-66.59
168.71	V	-62.08	-19.15	-81.22	-13.00	-68.22
279.29	V	-64.15	-15.60	-79.75	-13.00	-66.75
335.55	V	-64.96	-13.29	-78.24	-13.00	-65.24
592.60	V	-66.18	-7.62	-73.80	-13.00	-60.80
39.70	H	-62.45	-3.06	-65.51	-13.00	-52.51
90.14	H	-57.33	-22.27	-79.60	-13.00	-66.60
136.70	H	-61.26	-20.62	-81.88	-13.00	-68.88
155.13	H	-63.39	-18.14	-81.53	-13.00	-68.53
384.05	H	-63.72	-12.02	-75.74	-13.00	-62.74
583.87	H	-66.47	-7.71	-74.18	-13.00	-61.18

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



Above 1GHz

Operation Mode: CDMA2000 1xRTT Cellular / CH Low **Test Date:** January 18, 2008

Temperature: 24°C **Tested by:** Jerry Lin

Humidity: 55 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1651.00	V	-44.85	4.23	-40.62	-13.00	-27.62
2477.00	V	-47.78	8.92	-38.86	-13.00	-25.86
3303.00	V	-43.39	9.46	-33.93	-13.00	-20.93
4122.00	V	-54.02	9.59	-44.42	-13.00	-31.42
4948.00	V	-54.41	9.86	-44.55	-13.00	-31.55
N/A						
1651.00	H	-46.79	4.19	-42.59	-13.00	-29.59
2477.00	H	-53.97	8.66	-45.31	-13.00	-32.31
3296.00	H	-46.10	9.28	-36.83	-13.00	-23.83
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
3. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.*



Operation Mode: CDMA2000 1xRTT Cellular / CH Mid

Test Date: January 18, 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1672.00	V	-40.16	4.35	-35.82	-13.00	-22.82
2512.00	V	-47.07	9.06	-38.00	-13.00	-25.00
2932.00	V	-54.55	9.53	-45.01	-13.00	-32.01
3345.00	V	-43.97	9.44	-34.53	-13.00	-21.53
4185.00	V	-54.60	9.62	-44.98	-13.00	-31.98
5018.00	V	-54.19	9.88	-44.31	-13.00	-31.31
1672.00	H	-45.55	4.33	-41.22	-13.00	-28.22
2512.00	H	-52.08	8.78	-43.30	-13.00	-30.30
3345.00	H	-47.18	9.23	-37.95	-13.00	-24.95
4843.00	H	-56.14	9.94	-46.20	-13.00	-33.20
7160.00	H	-55.87	12.30	-43.57	-13.00	-30.57
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xRTT Cellular / CH High Test Date: January 18, 2008

Temperature: 24°C Tested by: Jerry Lin

Humidity: 55 % RH Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1700.00	V	-38.43	4.51	-33.92	-13.00	-20.92
2547.00	V	-46.28	9.10	-37.18	-13.00	-24.18
3394.00	V	-45.06	9.42	-35.65	-13.00	-22.65
3737.00	V	-55.97	9.45	-46.52	-13.00	-33.52
5088.00	V	-53.97	9.90	-44.07	-13.00	-31.07
7230.00	V	-56.05	12.48	-43.57	-13.00	-30.57
1700.00	H	-44.93	4.52	-40.41	-13.00	-27.41
2547.00	H	-49.33	8.84	-40.49	-13.00	-27.49
3394.00	H	-48.30	9.18	-39.12	-13.00	-26.12
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO Cellular / CH Low Test Date: January 25, 2008

Temperature: 24°C Tested by: Jerry Lin

Humidity: 55 % RH Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1651.00	V	-44.45	4.23	-40.22	-13.00	-27.22
3303.00	V	-40.96	9.46	-31.50	-13.00	-18.50
N/A						
1651.00	H	-49.76	4.19	-45.57	-13.00	-32.57
3296.00	H	-46.19	9.28	-36.92	-13.00	-23.92
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO Cellular / CH Mid Test Date: January 25, 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1672.00	V	-43.47	4.35	-39.12	-13.00	-26.12
2512.00	V	-40.41	9.06	-31.35	-13.00	-18.35
3345.00	V	-42.26	9.44	-32.82	-13.00	-19.82
N/A						
1672.00	H	-52.21	4.33	-47.88	-13.00	-34.88
2512.00	H	-55.60	8.78	-46.82	-13.00	-33.82
3345.00	H	-46.48	9.23	-37.25	-13.00	-24.25
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO Cellular / CH High Test Date: January 25, 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1700.00	V	-43.24	4.51	-38.73	-13.00	-25.73
2547.00	V	-40.91	9.10	-31.80	-13.00	-18.80
3394.00	V	-40.97	9.42	-31.55	-13.00	-18.55
N/A						
1700.00	H	-47.50	4.52	-42.97	-13.00	-29.97
2547.00	H	-48.37	8.84	-39.54	-13.00	-26.54
3394.00	H	-46.13	9.18	-36.95	-13.00	-23.95
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xRTT PCS / CH Low

Test Date: January 18, 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3702.00	V	-53.36	9.44	-43.92	-13.00	-30.92
5557.00	V	-55.31	10.07	-45.24	-13.00	-32.24
N/A						
3702.00	H	-55.98	9.29	-46.69	-13.00	-33.69
5557.00	H	-52.58	9.82	-42.76	-13.00	-29.76
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xRTT PCS / CH Mid

Test Date: January 18, 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-49.17	9.46	-39.72	-13.00	-26.72
N/A						
3758.00	H	-52.62	9.35	-43.27	-13.00	-30.27
5641.00	H	-54.27	9.92	-44.35	-13.00	-31.35
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xRTT PCS / CH High

Test Date: January 18, 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3821.00	V	-44.06	9.48	-34.58	-13.00	-21.58
5725.00	V	-52.81	10.22	-42.60	-13.00	-29.60
N/A						
3821.00	H	-46.26	9.42	-36.84	-13.00	-23.84
5725.00	H	-53.06	10.02	-43.04	-13.00	-30.04
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO PCS / CH Low

Test Date: January 25 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3702.00	V	-46.73	9.44	-37.30	-13.00	-24.30
5557.00	V	-41.71	10.07	-31.64	-13.00	-18.64
N/A						
3702.00	H	-51.44	9.29	-42.15	-13.00	-29.15
5557.00	H	-45.03	9.82	-35.21	-13.00	-22.21
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO PCS / CH Mid

Test Date: January 25, 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-45.67	9.46	-36.21	-13.00	-23.21
5641.00	V	-41.40	10.14	-31.26	-13.00	-18.26
N/A						
3765.00	H	-53.01	9.36	-43.65	-13.00	-30.65
5641.00	H	-45.82	9.92	-35.90	-13.00	-22.90
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.



Operation Mode: CDMA2000 1xEVDO PCS / CH High

Test Date: January 25, 2008

Temperature: 24°C

Tested by: Jerry Lin

Humidity: 55 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3821.00	V	-36.03	9.48	-26.55	-13.00	-13.55
5725.00	V	-40.02	10.22	-29.81	-13.00	-16.81
7636.00	V	-51.15	12.94	-38.21	-13.00	-25.21
N/A						
3814.00	H	-39.31	9.41	-29.90	-13.00	-16.90
5725.00	H	-42.59	10.02	-32.57	-13.00	-19.57
7636.00	H	-51.49	12.77	-38.72	-13.00	-25.72
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.