

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 22 SUBPART H, PART 24 SUBPART E

OF

Product Name: Pocket PC Phone

Brand Name: HTC

Model Name: HERO200

FCC ID: NM8HERO200

Model Difference: N/A

Report No.: EH/2009/50027

Issue Date: Jun. 12, 2009

FCC Rule Part: 2, 22H & 24E

Prepared for: HTC Corporation
No. 23, Xinghua Rd., Taoyuan City, Taoyuan
County 330, Taiwan, R.O.C.

Prepared by: SGS Taiwan Ltd.
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VERIFICATION OF COMPLIANCE

Applicant: HTC Corporation
No. 23, Xinghua Rd., Taoyuan City, Taoyuan County 330, Taiwan,
R.O.C.

Product Name: Pocket PC Phone

Brand Name: HTC

FCC ID: NM8HERO200

Model No.: HERO200

Model Difference: N/A

File Number: EH/2009/50027

Date of test: May. 22, 2009 ~ Jun. 10, 2009

Date of EUT Received: May. 22, 2009

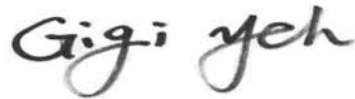
We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in TIA/EIA-603-C-2004 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, PART 24 subpart E.

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

Test By:**Date:**

Jun. 12, 2009

*Jason Wu / Asst. Supervisor***Prepared By:****Date:**

Jun. 12, 2009

*Gigi Yeh / Clerk***Approved By:****Date:**

Jun. 12, 2009

Vincent Su / Manager

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Version

Version No.	Date	Description
00	Jun. 12, 2009	Initial creation of document

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1. GENERAL PRODUCT INFORMATION

General:

Product Name	Pocket PC Phone		
Brand Name	HTC		
Model Name	HERO200		
Model Difference	N/A		
Data Cable (USB)	1. Model No.:DC U200, P/N: 73H00296-10M, Supplier: MEC 2. Model No.:DC U200, P/N: 73H00296-22M, Supplier: Foxlink		
Micro SD card	Model No.: N/A, P/N: 54H20073-00M, Supplier: Sandisk		
Power Supply	3.7 Vdc re-chargeable battery or 5Vdc by AC/DC power adapter		
	Battery:	1. Model:RHOD160, P/N: 35H00123-00M, Supplier: HT Energy 2. Model:RHOD160, P/N: 35H00123-02M, Supplier: Formosa	
	Adapter:	1. Model No.: TC P300A, P/N: 79H00082-11M, Supplier: Foxlink 2. Model No.: TC P300A, P/N: 79H00078-20M, Supplier: Delta	

CDMA 2000:

	Operating Frequency		Rated Power
Cellular Phone Standards Frequency Range and Power	CDMA 2000 Cellular / EVDO Cellular	824.7MHz – 848.31MHz	24 dBm
	CDMA 2000 PCS / EVDO PCS	1851.25MHz– 1908.75MHz	24 dBm
Hardware Version:	N/A		
Software Version:	N/A		
MEID Manuf. Code	A1000007		

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WLAN:

Frequency Range:	2412 – 2462 MHz
Channel number:	11 channels
Max. Output Power:	802.11 b: 19.16 dBm (Peak) 802.11 g: 14.10dBm (Peak)
Modulation Technology:	DSSS, OFDM
Modulation type:	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
Transition Rate:	802.11 b: 1/2/5.5/11 Mbps; 802.11 g: 6/9/12/18/24/36/48/54 Mbps
Antenna Designation:	PIFA Antenna / 1dBi.
Type of Emission	16M4M4D

The EUT is compliance with IEEE 802.11 b/g Standard.

Bluetooth:

Bluetooth Ver.sion	<input type="checkbox"/> V1.1 (GFSK) <input type="checkbox"/> V1.2 (GFSK) <input type="checkbox"/> V2.0 (GFSK) <input checked="" type="checkbox"/> V2.0 + EDR (GFSK + /4DQPSK + 8DPSK) <input type="checkbox"/> V2.1 + EDR (GFSK + /4DQPSK + 8DPSK)
Frequency Range	2402 – 2480MHz
Channel number	79 channels max.
Rated Power	1.76 dBm (Peak)
Modulation type	Frequency Hopping Spread Spectrum
Antenna Designation	PIFA Antenna / 1dBi.
Type of Emission	1M42F7D

The EUT is compliance with Bluetooth 2.0 + EDR Standard.

This test report applies for CDMA 2000 and EVDO.

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1.1. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended FCC ID: **NM8HERO200** filing to comply with Section Part 22 subpart H, Part 24 subpart E of the FCC CFR 47 Rules.

1.2. Test Methodology

Both conducted and radiated testing were performed according to the procedures document on TIA/EIA-603-C-2004 and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

1.3. Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003. FCC Registration Number are: 990257 and 236194, Canada Registration Number: 4620A-1

The 10 m Open Area Test Sites located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 29, Pau-Tou-Tsuo Valley Chia-Pau Tsuen, Linkou Hsiang, Taipei county, which is constructed and calibrated to meet the CISPR 22/EN 55022 requirements. SGS Site No. 1(3 &10 meters) and FCC Registration Number: 94644.

1.4. Special Accessories

Not available for this EUT intended for grant.

1.5. Equipment Modifications

Not available for this EUT intended for grant.

2. SYSTEM TEST CONFIGURATION

2.1. EUT Configuration

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

2.2. EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency which was for the purpose of the measurements.

2.3. Test Procedure

2.3.1 AC Power Line Conducted Emissions

The EUT is placed on a turn table which is 0.8 m above ground plane. According to the requirements in Section 7 and 13 of ANSI C63.4: 2003. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and Average detector mode.

2.3.2 Conducted Measurement at Antenna Port:

According to measurement procured TIA/EIA 603C, the EUT is placed on a turn table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

2.3.3 Radiated Emissions (ERP/EIRP):

According to measurement procured TIA/EIA 603C, issue 2 of RSS-Gen and TIA/EIA IS-98 for Mobile stations. The EUT is placed on a turn table which is 1.0 m above ground plane. The turn table 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 max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements.

A standard antenna was used to replace the EUT and connect to the SG. Adjust the SG output level to reach the max emission level which were measured above.

2.4. Measurement Equipment Used:

AC POWER LINE CONDUCTED EMISSION EQUIPMENT List					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESCS30	828985/004	09/16/2008	09/15/2009
LISN	Rolf-Heine	NNB-2/16Z	99012	04/28/2009	04/27/2010
LISN	FCC	FCC-LISN-50 /250-25-2-01	04034	04/28/2009	04/27/2010
Coaxial Cables	N/A	WK CE Cable	N/A	10/30/2008	10/29/2009

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/19/2008	04/18/2010
Spectrum Analyzer	Agilent	E4440A	US41160416	01/23/2008	01/22/2010
Radio Communication Analyzer	R&S	CMU200	102189	05/13/2008	05/13/2010
800 – 1000MHz Filter	Micro-Tronics	BRM13462	001	01/05/2009	01/04/2010
1800 – 2000MHz Filter	Micro-Tronics	BRM13463	001	01/05/2009	01/04/2010
Temperature Chamber	TERCHY	MHG-120LF	911009	04/14/2008	04/13/2010
Temperature Chamber	GIANT FORCE	GTH-150-40-CP-AR	MAA0512-018	02/05/2008	02/04/2010
DC Block	Agilent	BLK-18	155452	07/05/2008	07/04/2009
Attenuator	Mini-Circuit	BW-S20W5	N/A	07/05/2008	07/04/2009
Attenuator	Mini-Circuit	BW-S10W5	N/A	07/05/2008	07/04/2009
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2008	07/04/2009
Splitter	Agilent	11636B	N/A	07/05/2008	07/04/2009
DC Power Supply	HP	6038A	2929A-07548	06/27/2007	06/26/2009
DC Power Supply	Topward	3303D	981327	10/26/2007	10/25/2009

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ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	R&S	FSP 40	100034	02/12/2009	02/11/2010
Bi-log Antenna	SCHWAZBECK	VULB9160	9160-3136	11/15/2008	11/14/2009
Dipole Antenna	SCHWAZBECK	VHAP	908/909	07/10/2008	07/09/2010
Dipole Antenna	SCHWAZBECK	UHAP	891/892	07/10/2008	07/09/2010
Horn antenna	SCHWAZBECK	BBHA 9120D	309	01/22/2008	01/21/2010
Horn antenna	SCHWAZBECK	BBHA 9120D	9120D-673	05/09/2008	05/08/2010
Signal Generator	R&S	SMR40	100210	01/22/2008	01/21/2010
Signal Generator	Agilent	E4438C	MY45093613	05/22/2009	05/21/2010
Pre-Amplifier	Agilent	8447D	1937A02834	11/30/2008	11/29/2009
Pre-Amplifier	Agilent	8449B	3008A01973	01/05/2009	01/04/2010
Attenuator	Mini-Circuit	BW-S20W5	001	07/05/2008	07/04/2009
Attenuator	Mini-Circuit	BW-S10W5	001	07/05/2008	07/04/2009
Attenuator	Mini-Circuit	BW-S6W5	001	07/05/2008	07/04/2009
Radio Communication Analyzer	R&S	CMU200	102189	05/13/2008	05/13/2010
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R
Controller	HD	HD100	N/A	N.C.R	N.C.R
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-10M	10m	01/05/2009	01/04/2010
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	01/05/2009	01/04/2010
3m Site	SGS	966 chamber	N/A	11/08/2008	11/09/2009

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2.5. Configuration of Tested System

Fig. 2-1 Configuration of Tested System (Fixed Channel)

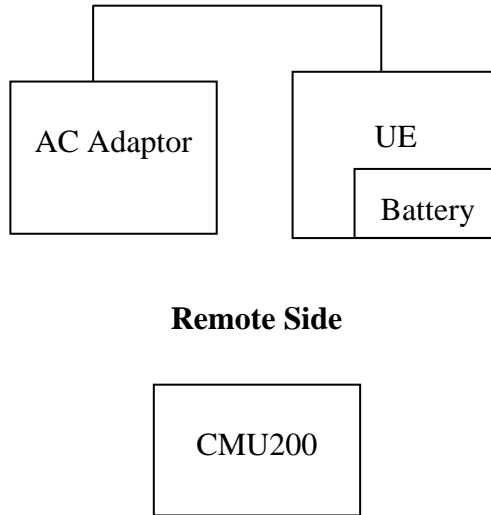


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Universal Radio Communication Tester	R&S	CMU200	102189	shielded	Un-shielded
2.	AC Adaptor	Foxlink	TC P300	79H00082-11M	N/A	180cm, Un-shielded
3.	AC Adaptor	Delta	TC P300	79H00078-20M	N/A	180cm, Un-shielded
4.	Battery	HT Energy	RHOD160	35H00123-00M	N/A	N/A
5.	Battery	Formosa	RHOD160	35H00123-02M	N/A	N/A

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3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a) §22.913(a) §24.232(c)(d)	RF Peak Power Output	Compliant
§2.1046(a) §22.913(a)(2) §24.232(c)	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% Occupied Bandwidth	Compliant
§2.1051 §22.917(a) §24.238(a)	Out of Band Emissions at Antenna Terminals and Band Edge	Compliant
§2.1053 §22.917(a) §24.238(a)	Field Strength of Spurious Radiation	Compliant
§2.1055(a)(1) §22.355 §24.235	Frequency Stability vs. Temperature	Compliant
§2.1055(d)(2) §22.355 §24.235	Frequency Stability vs. Voltage	Compliant
§15.107;§15.207	AC Power Line Conducted Emission	Compliant

Max ERP/EIRP measurement result:

	dBm		W
CDMA 2000 Cellular	25.74	ERP	0.375
CDMA 2000 PCS	22.32	EIRP	0.171
CDMA 2000 EVDO	24.00	ERP	0.251
CDMA 2000 EVDO PCS	21.90	EIRP	0.155

4. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

EUT staying in continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing.

The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for CDMA 2000 with power adaptor. The worst-case of E1 position for CDMA 2000 Cellular band and E2 position for CDMA 2000 PCS band were reported.

5. RF POWER OUTPUT MEASUREMENT

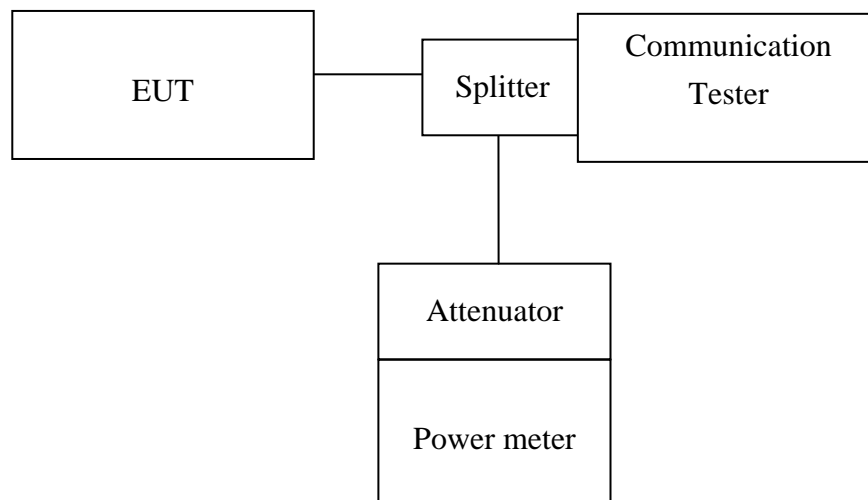
5.1. Standard Applicable:

According to FCC §2.1046.

FCC 22.913(a) Mobile station are limited to 7W.

FCC 24.232(d) Peak Power Measurement, FCC 24.232(c) Maximum Power Reduction.

5.2. Test Set-up:



Note: Measurement setup for testing on Antenna connector

5.3. Measurement 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. was used for EUT and Base station setting.

5.4. Measurement Equipment Used:

Refer to section 2.4 in this report

5.5. Measurement Result:

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg. Power (dBm)
CDMA 2000 Cellular	824.70	1013	23.90	23.30
	836.52	384	24.04	23.63
	848.31	777	24.06	23.58

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg. Power (dBm)
CDMA 2000 PCS	1851.25	25	23.92	23.43
	1880	600	24.07	23.53
	1908.75	1175	24.08	23.60

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg. Power (dBm)
CDMA 2000 EVDO Cellular	824.70	1013	24.99	24.31
	836.52	384	24.89	24.71
	848.31	777	24.72	24.50

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg. Power (dBm)
CDMA 2000 EVDO PCS	1851.25	25	24.43	24.12
	1880	600	24.72	24.53
	1908.75	1175	24.21	24.06

offset: 0.6dB(for 800MHz)

offset: 0.8dB(for 1900MHz)

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6. ERP, EIRP MEASUREMENT

6.1. Standard Applicable:

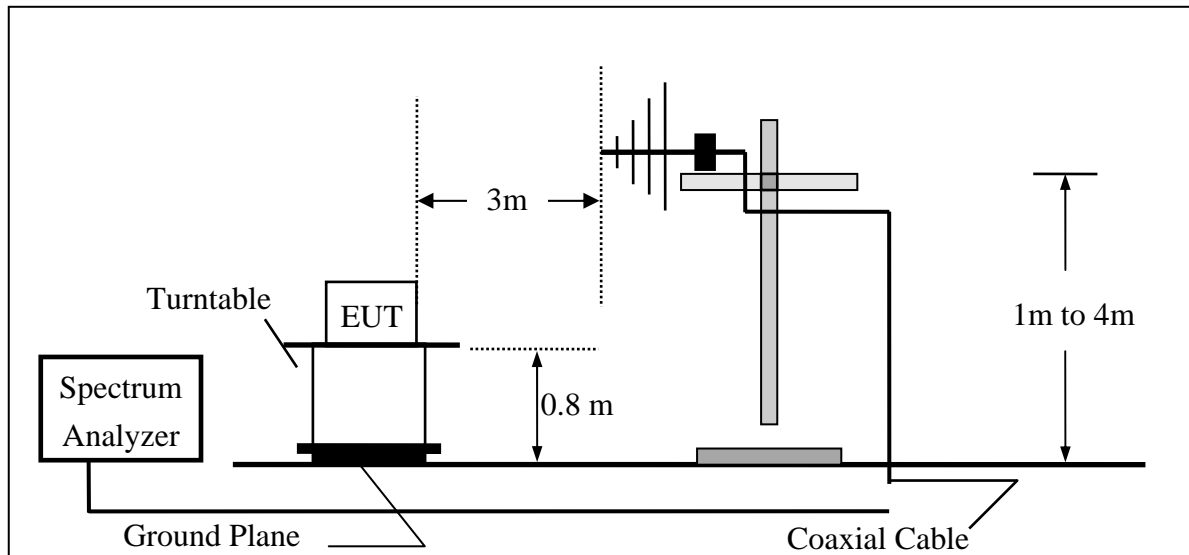
According to FCC §2.1046

FCC 22.913(a) Mobile station are limited to 7W ERP.

FCC 24.232(b) Mobile station are limited to 2W EIRP.

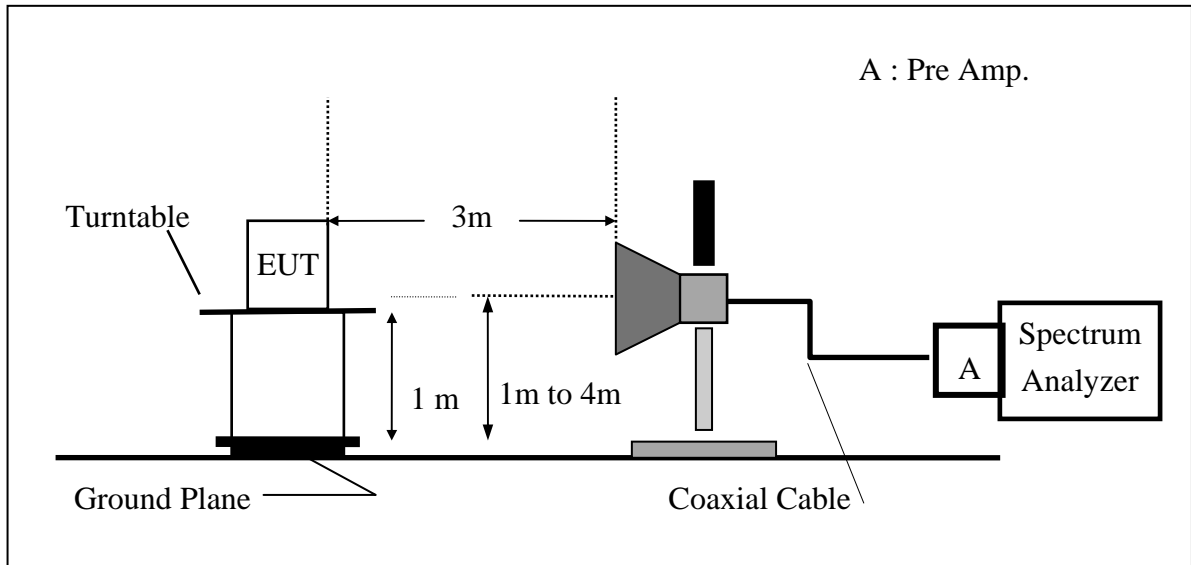
6.2. Test SET-UP (Block Diagram of Configuration):

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz

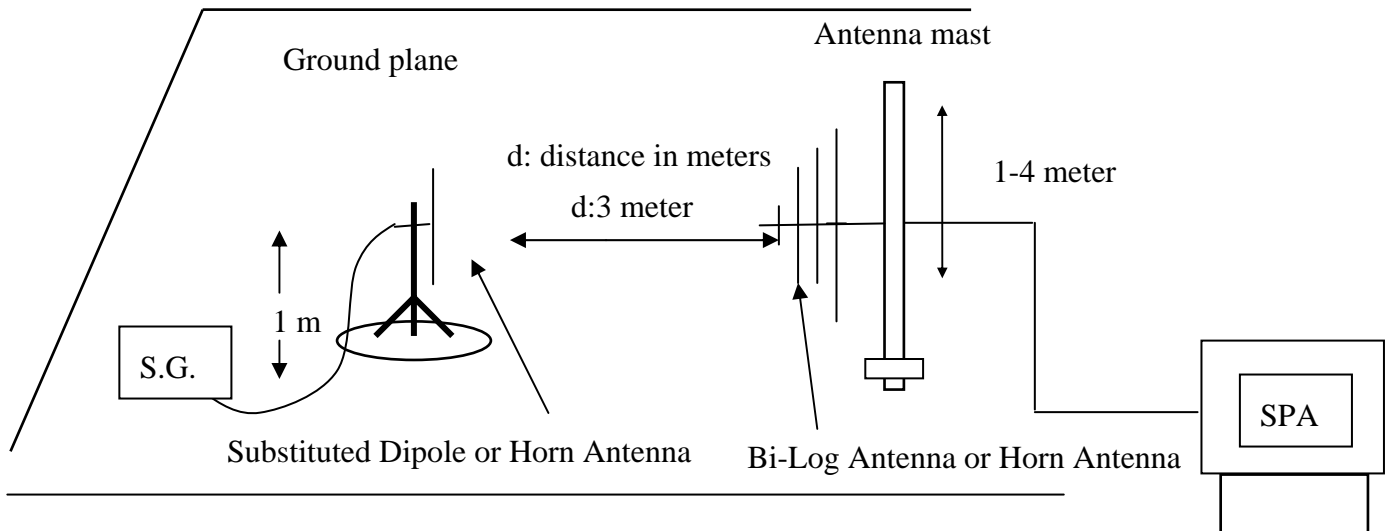


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(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



(C) Substituted Method Test Set-UP



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6.3. Measurement Procedure:

The EUT was placed on a 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, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824.2 –848.80MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:

EIRP in frequency band 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by a horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:

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

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

6.4. Measurement Equipment Used:

Refer to section 2.4 in this report

6.5. Measurement Result:

Measurement Result:

EUT Mode	Frequency (MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. Output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	ERP (dBm)	Limit (dBm)
CDMA 2000 Cellular	824.70	1013	H	V	112.02	25.66	-7.88	3.63	14.15	38.45
				H	121.54	35.28	-7.88	3.63	23.78	38.45
			E1	V	122.00	35.64	-7.88	3.63	24.13	38.45
				H	115.69	29.43	-7.88	3.63	17.93	38.45
			E2	V	113.18	26.82	-7.88	3.63	15.31	38.45
				H	121.98	35.72	-7.88	3.63	24.22	38.45
	836.52	384	H	V	113.12	26.86	-7.88	3.65	15.33	38.45
				H	122.46	36.23	-7.88	3.65	24.70	38.45
			E1	V	122.38	36.12	-7.88	3.65	24.59	38.45
				H	116.24	30.01	-7.88	3.65	18.48	38.45
			E2	V	113.09	26.83	-7.88	3.65	15.30	38.45
				H	122.21	35.98	-7.88	3.65	24.45	38.45
	848.31	777	H	V	112.77	26.62	-7.88	3.67	15.07	38.45
				H	122.84	36.64	-7.88	3.67	25.09	38.45
			E1	V	123.45	37.29	-7.88	3.67	25.74	38.45
				H	117.47	31.27	-7.88	3.67	19.72	38.45
			E2	V	112.82	26.67	-7.88	3.67	15.12	38.45
				H	123.00	36.80	-7.88	3.67	25.25	38.45

Remark :

- (1) The RBW,VBW of SPA for frequency

RBW= 2MHz , VBW= 6MHz

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Measurement Result:

EUT Mode	Frequency (MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBUV)	S.G. Output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)
CDMA 2000 PCS	1851.25	25	H	V	112.93	8.55	9.90	5.56	12.88	33.00
				H	119.65	15.47	9.90	5.56	19.81	33.00
			E1	V	119.54	15.16	9.90	5.56	19.49	33.00
				H	115.23	11.05	9.90	5.56	15.39	33.00
			E2	V	114.07	9.69	9.90	5.56	14.02	33.00
				H	120.29	16.11	9.90	5.84	20.17	33.00
	1880.00	600	H	V	114.87	10.51	9.99	5.61	14.89	33.00
				H	122.06	17.92	9.99	5.61	22.29	33.00
			E1	V	121.64	17.25	9.90	5.56	21.59	33.00
				H	117.54	13.40	9.99	5.61	17.77	33.00
			E2	V	116.65	12.29	9.99	5.61	16.67	33.00
				H	122.09	17.95	9.99	5.61	22.32	33.00
	1908.75	1175	H	V	115.15	10.82	10.07	5.66	15.23	33.00
				H	122.02	17.91	10.07	5.66	22.32	33.00
			E1	V	121.87	17.54	10.07	5.66	21.95	33.00
				H	117.44	13.33	10.07	5.66	17.74	33.00
			E2	V	117.51	13.18	10.07	5.66	17.59	33.00
				H	121.75	17.64	10.07	5.66	22.05	33.00

Remark :

(1) The RBW,VBW of SPA for frequency

RBW= 2MHz , VBW= 6MHz

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Measurement Result:

EUT Mode	Frequency (MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. Output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	ERP (dBm)	Limit (dBm)
CDMA 2000 EVDO Cellular	824.70	1013	H	V	111.57	24.25	-7.87	3.64	12.73	38.45
				H	121.80	34.14	-7.87	3.64	22.63	38.45
			E1	V	122.03	34.71	-7.87	3.64	23.19	38.45
				H	117.19	29.53	-7.87	3.64	18.02	38.45
			E2	V	113.34	26.02	-7.87	3.64	14.50	38.45
				H	122.42	34.76	-7.87	3.64	23.25	38.45
	836.52	384	H	V	112.52	25.49	-7.88	3.70	13.92	38.45
				H	122.28	34.94	-7.88	3.70	23.37	38.45
			E1	V	122.52	35.49	-7.88	3.70	23.92	38.45
				H	116.54	29.20	-7.88	3.70	17.63	38.45
			E2	V	113.73	26.70	-7.88	3.70	15.13	38.45
				H	122.61	35.27	-7.88	3.70	23.70	38.45
	848.31	777	H	V	112.89	26.15	-7.88	3.75	14.52	38.45
				H	122.01	34.99	-7.88	3.75	23.36	38.45
			E1	V	122.37	35.63	-7.88	3.75	24.00	38.45
				H	117.53	30.51	-7.88	3.75	18.88	38.45
			E2	V	112.69	25.95	-7.88	3.75	14.32	38.45
				H	121.61	34.59	-7.88	3.75	22.96	38.45

Remark :

(1) The RBW,VBW of SPA for frequency

RBW= 2MHz , VBW= 6MHz

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Measurement Result:

EUT Mode	Frequency (MHz)	CH	EUT Pol.	Antenna Pol.	SPA Reading (dBuV)	S.G. Output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)
CDMA 2000 EVDO PCS	1851.25	25	H	V	113.21	8.83	9.90	5.56	13.16	33.00
				H	119.33	15.15	9.90	5.56	19.49	33.00
			E1	V	119.50	15.12	9.90	5.56	19.45	33.00
				H	117.86	13.68	9.90	5.56	18.02	33.00
			E2	V	114.30	9.92	9.90	5.56	14.25	33.00
				H	119.87	15.69	9.90	5.84	19.75	33.00
	1880.00	600	H	V	115.23	10.87	9.99	5.61	15.25	33.00
				H	121.59	17.45	9.99	5.61	21.82	33.00
			E1	V	121.44	17.05	9.90	5.56	21.39	33.00
				H	120.84	16.70	9.99	5.61	21.07	33.00
			E2	V	117.14	12.78	9.99	5.61	17.16	33.00
				H	121.37	17.23	9.99	5.61	21.60	33.00
	1908.75	1175	H	V	115.01	10.68	10.07	5.66	15.09	33.00
				H	121.60	17.49	10.07	5.66	21.90	33.00
			E1	V	120.84	16.51	10.07	5.66	20.92	33.00
				H	120.66	16.55	10.07	5.66	20.96	33.00
			E2	V	117.81	13.48	10.07	5.66	17.89	33.00
				H	121.03	16.92	10.07	5.66	21.33	33.00

Remark :

(1) The RBW,VBW of SPA for frequency

RBW= 2MHz , VBW= 6MHz

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7. 99% OCCUPIED BANDWIDTH MEASUREMENT

7.1. Standard Applicable:

According to §FCC 2.1049.

7.2. Test Set-up:

Refer to section 5.2 in this report

7.3. Measurement Procedure:

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW 15KHz was set to about 1% of emission BW, VBW= 3 times RBW 43KHz, -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

7.4. Measurement Equipment Used:

Refer to section 2.4 in this report

7.5. Measurement Result:

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
CDMA 2000 Cellular	824.70	1013	1.2762
	836.52	384	1.2772
	848.31	777	1.2777

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
CDMA 2000 PCS	1851.25	25	1.2714
	1880.00	600	1.2730
	1908.75	1175	1.2735

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
CDMA 2000 EVDO Cellular	824.70	1013	1.2741
	836.52	384	1.2772
	848.31	777	1.2789

EUT Mode	Frequency (MHz)	CH	99% Bandwidth (MHz)
CDMA 2000 EVDO PCS	1851.25	25	1.2700
	1880.00	600	1.2763
	1908.75	1175	1.2779

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Figure 7-1 CDMA 2000 PCS Channel Low

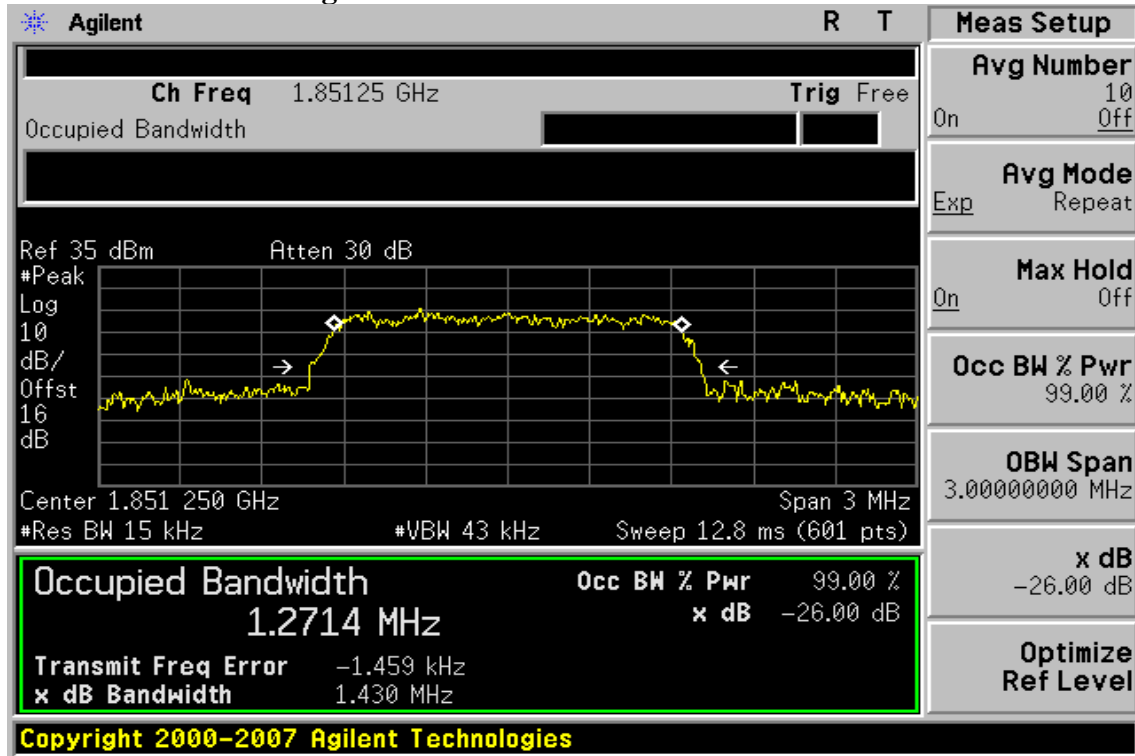
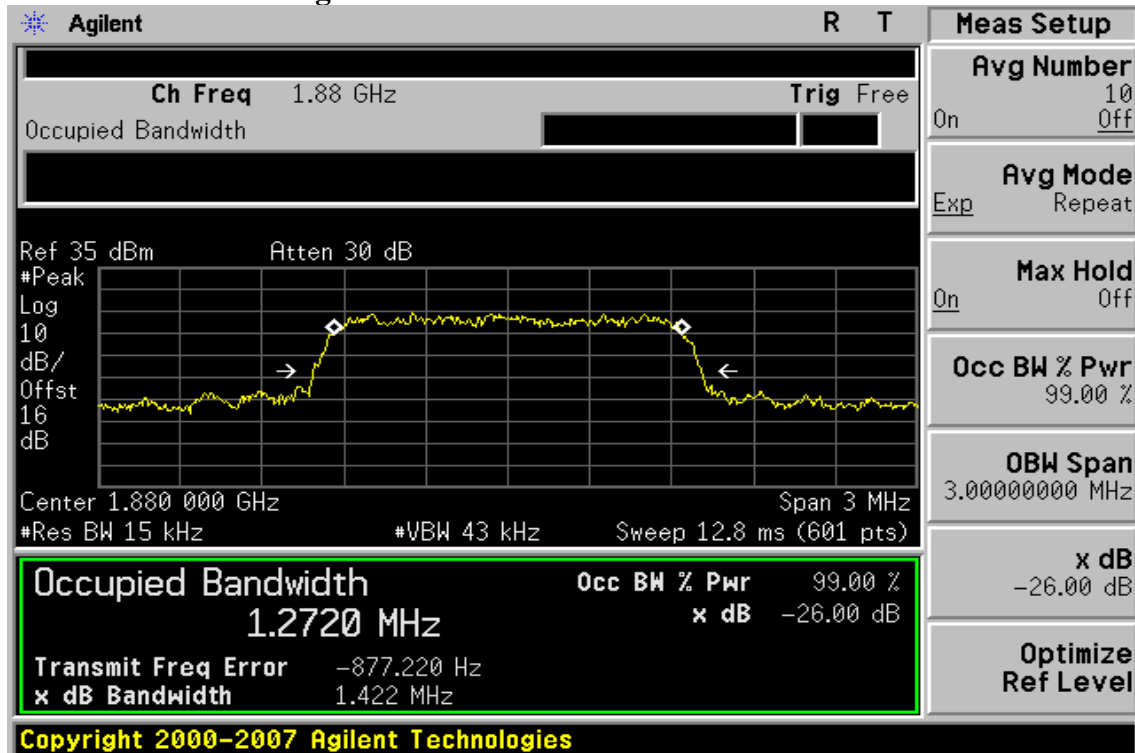


Figure 7-2 CDMA 2000 PCS Channel Mid



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Figure 7-3: CDMA 2000 PCS Channel High

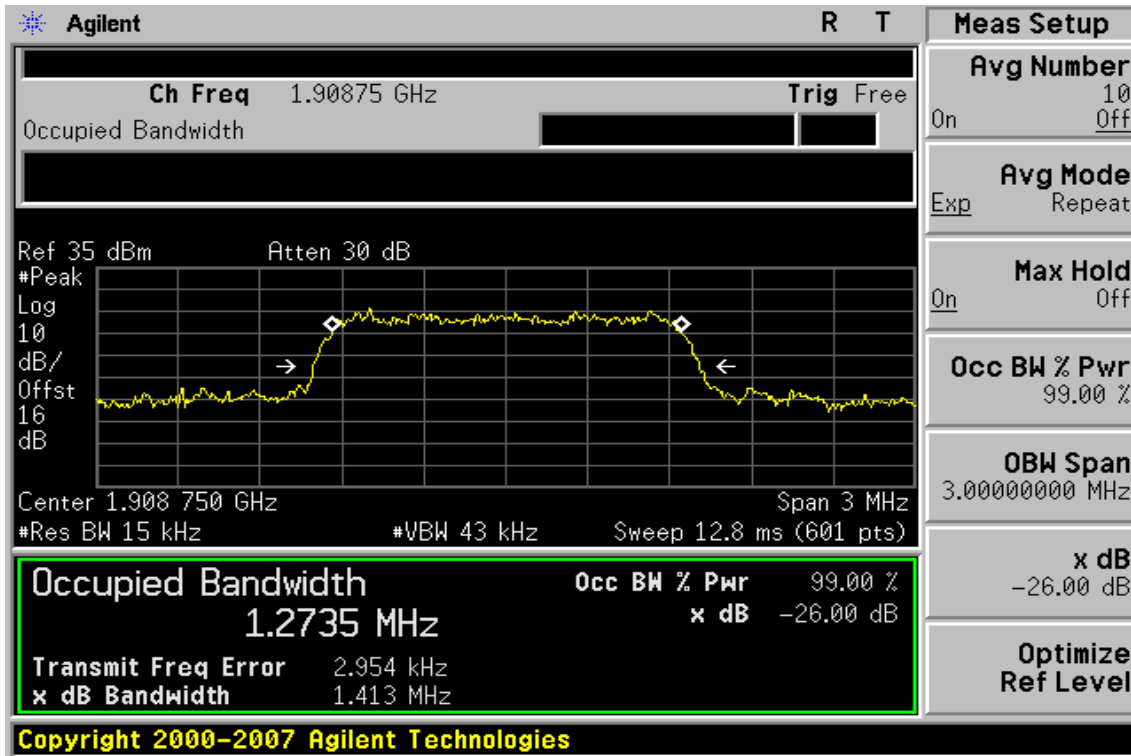
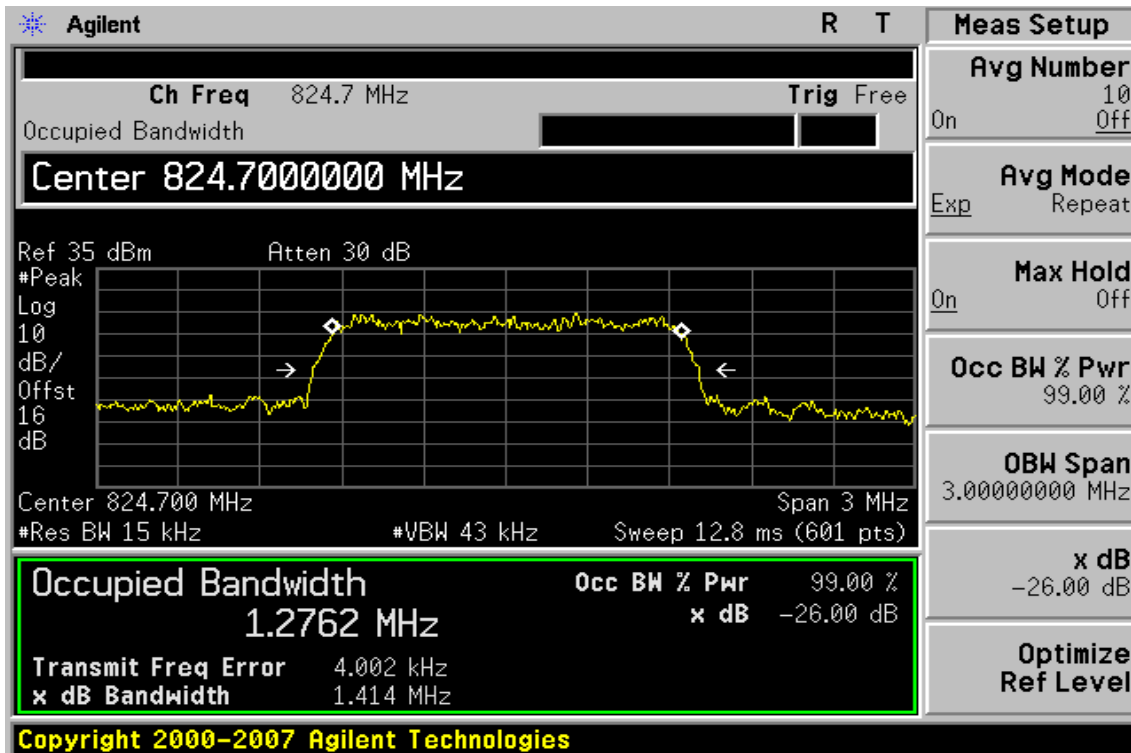


Figure 7-4: CDMA 2000 Cellular Channel Low



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Figure 7-5 CDMA 2000 Cellular Channel Mid

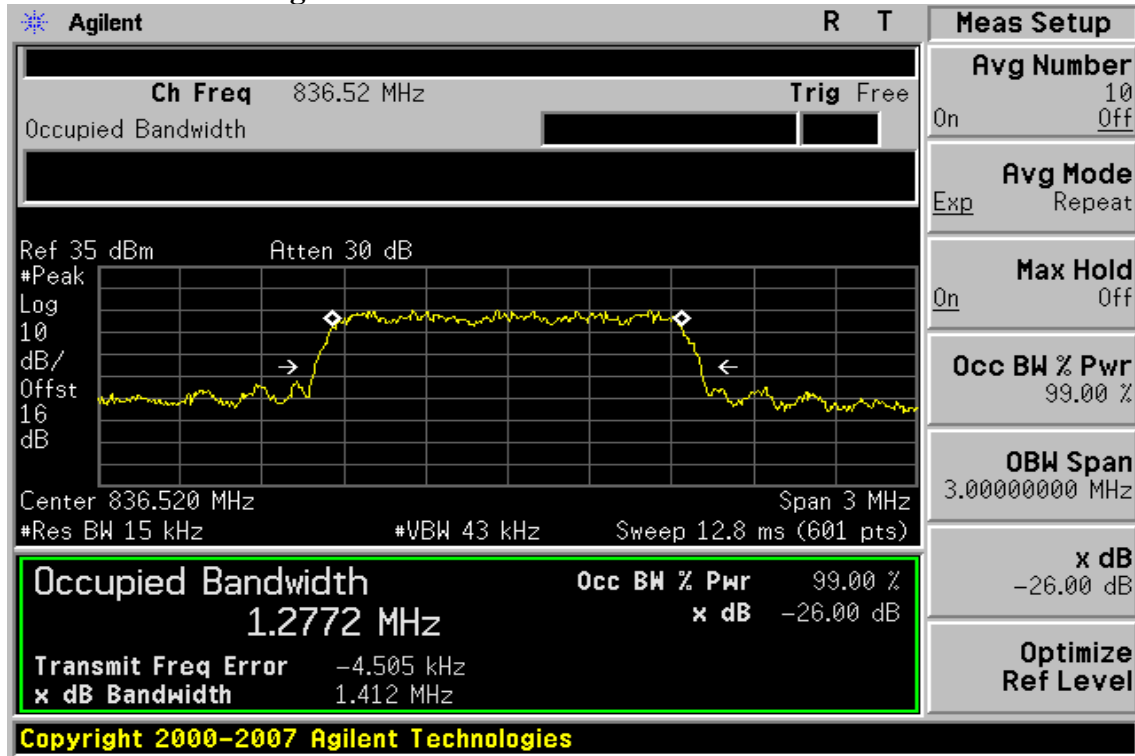
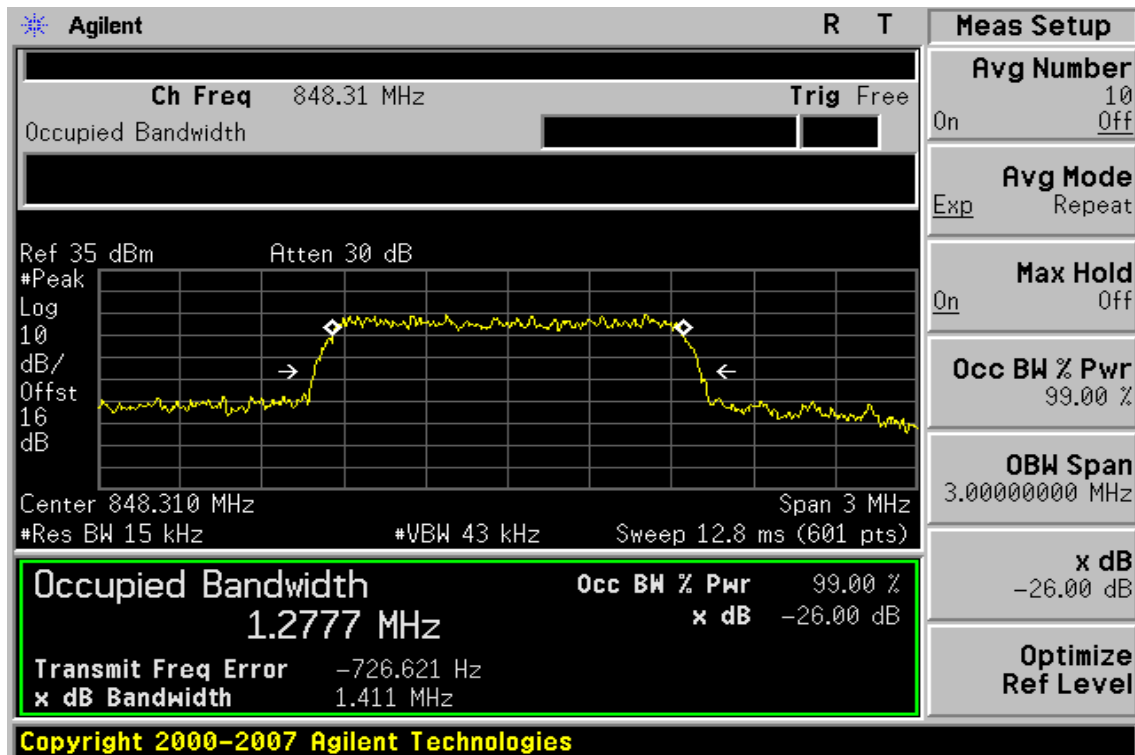


Figure 7-6: CDMA 2000 Cellular Channel High



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Figure 7-7 CDMA 2000 EVDO PCS Channel Low

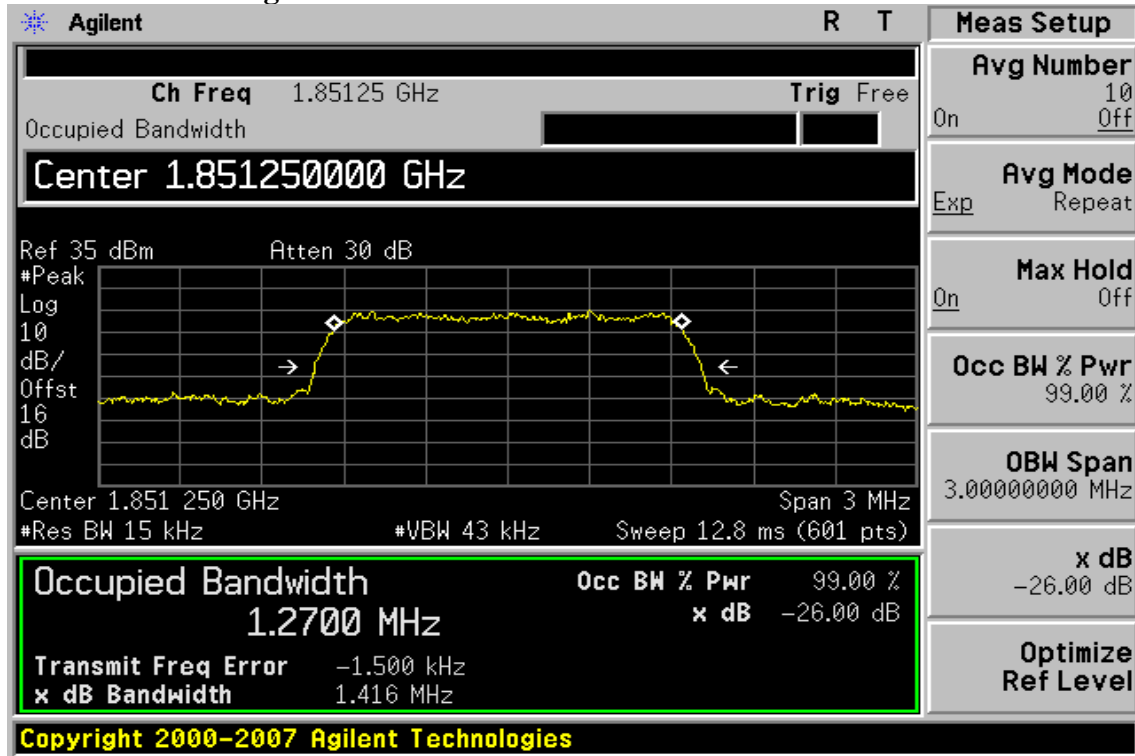
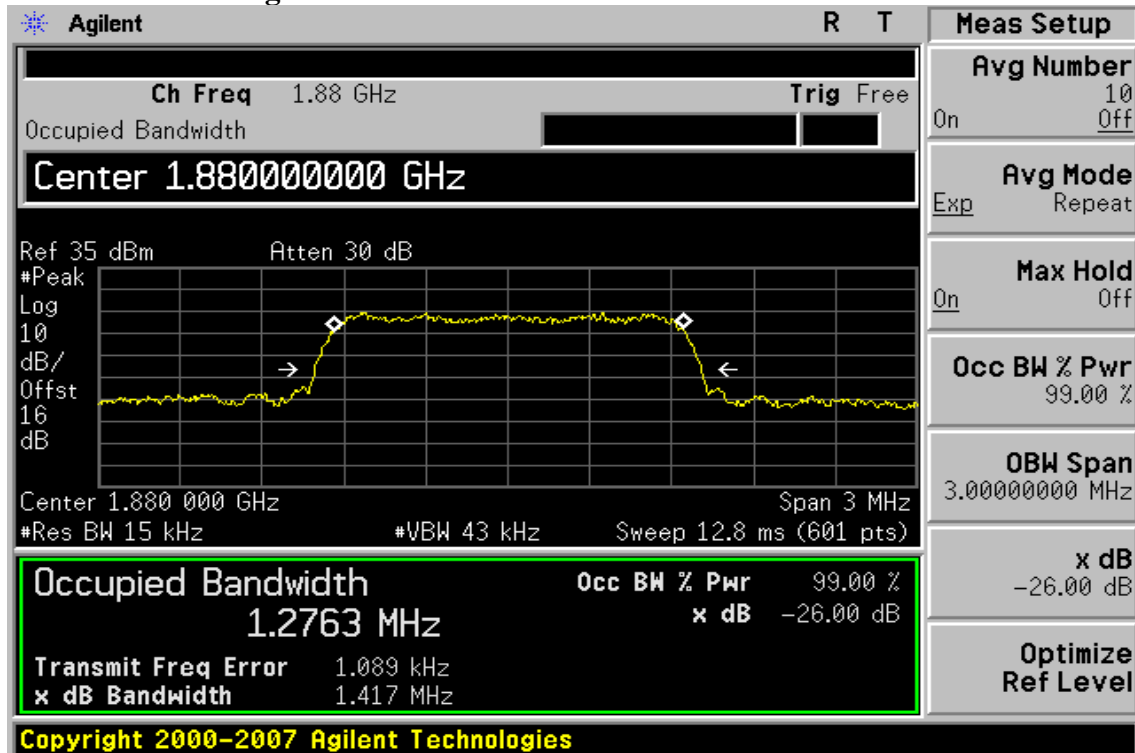


Figure 7-8 CDMA 2000 EVDO PCS Channel Mid



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Figure 7-9: CDMA 2000 EVDO PCS Channel High

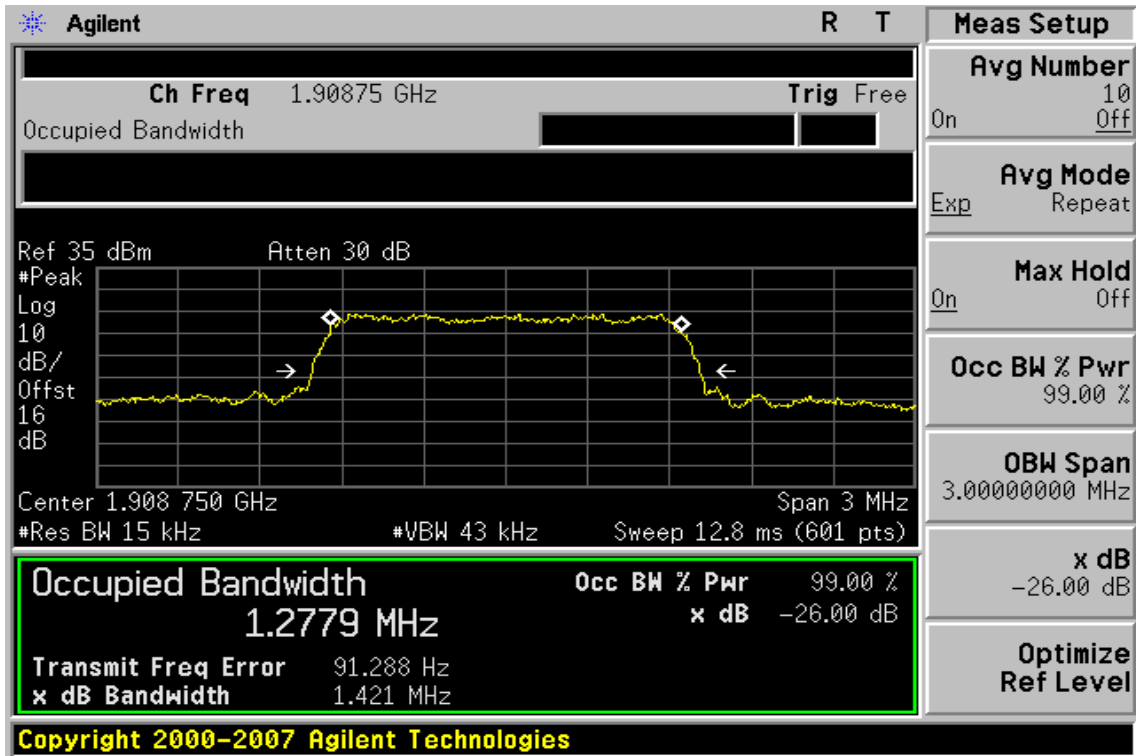
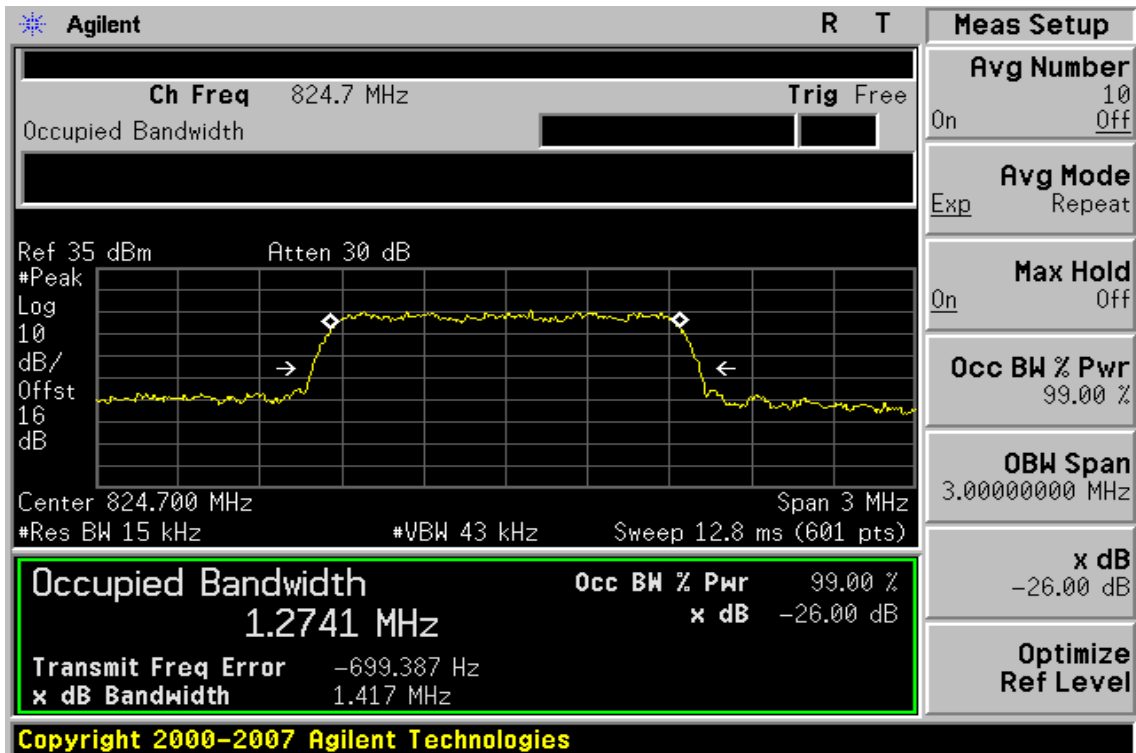


Figure 7-10: CDMA 2000 EVDO Cellular Channel Low



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Figure 7-11 CDMA 2000 EVDO Cellular Channel Mid

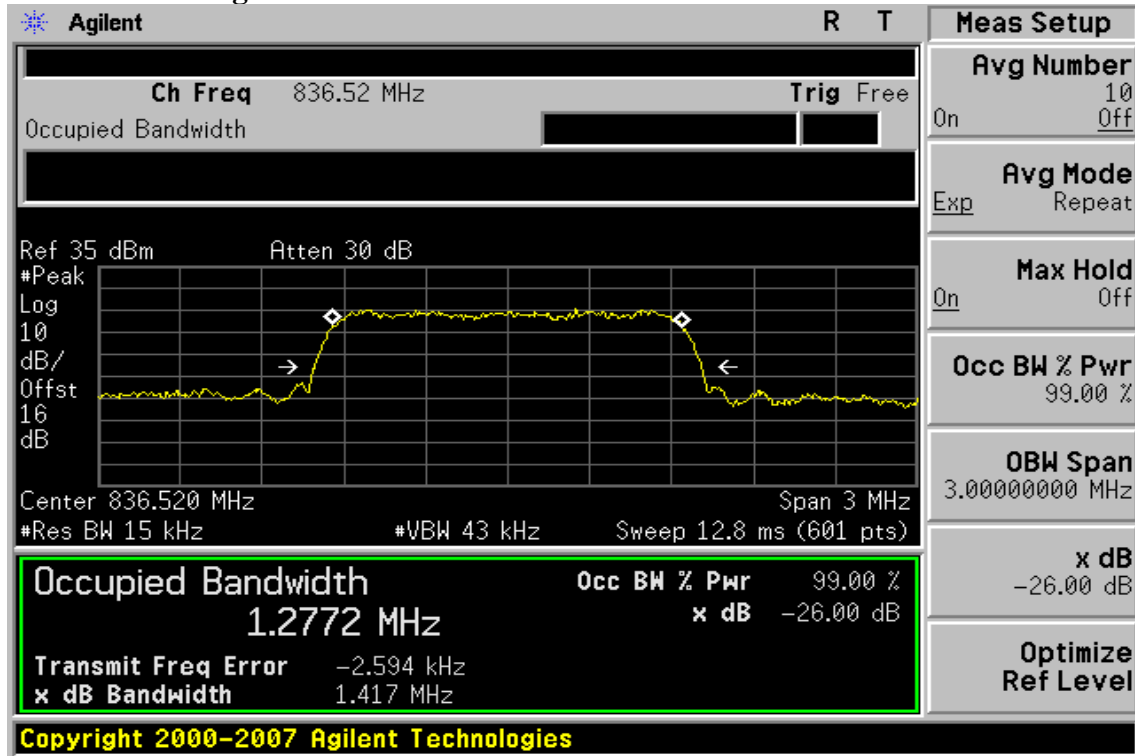
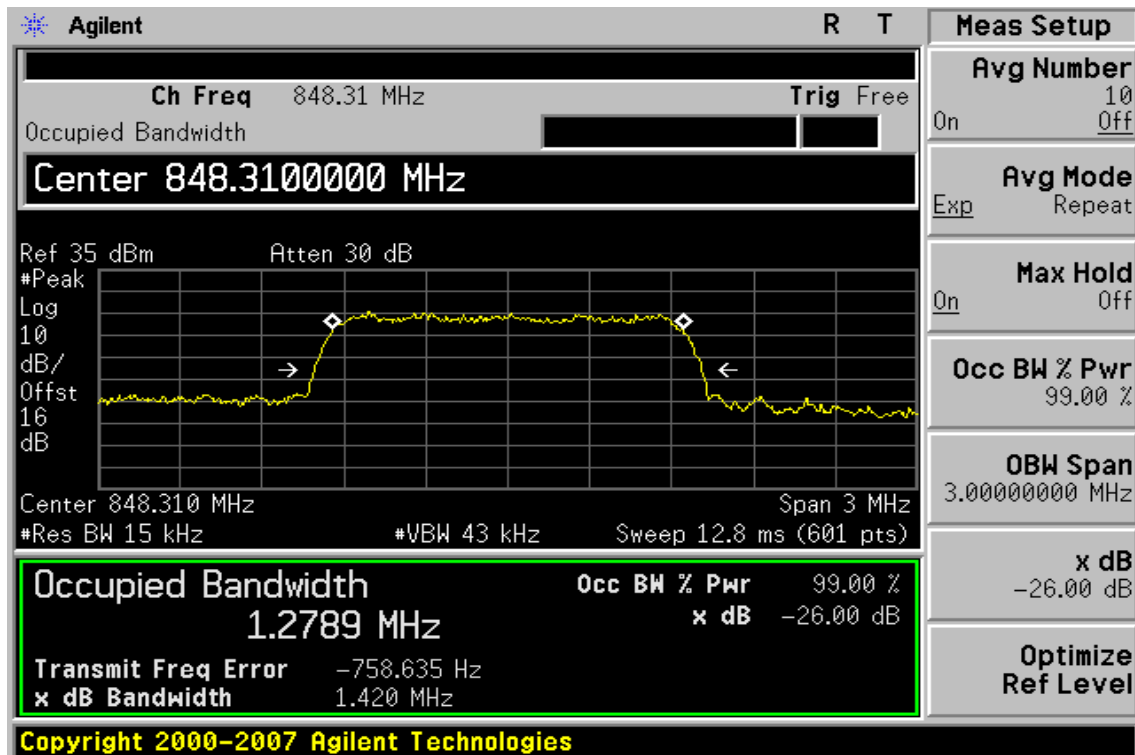


Figure 7-12: CDMA 2000 EVDO Cellular Channel High



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8. OUT OF BAND EMISSION AT ANTENNA TERMINALS

8.1. Standard Applicable:

According to FCC §2.1051.

FCC §22.917(a), §24.238(a) the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm)

8.2. Test SET-UP:

Refer to section 5.2 in this report

8.3. Measurement Procedure:

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

For the out of band: Set the RBW, VBW = 1MHz, Start=30MHz, Stop= 10th harmonic. Limit = -13dBm

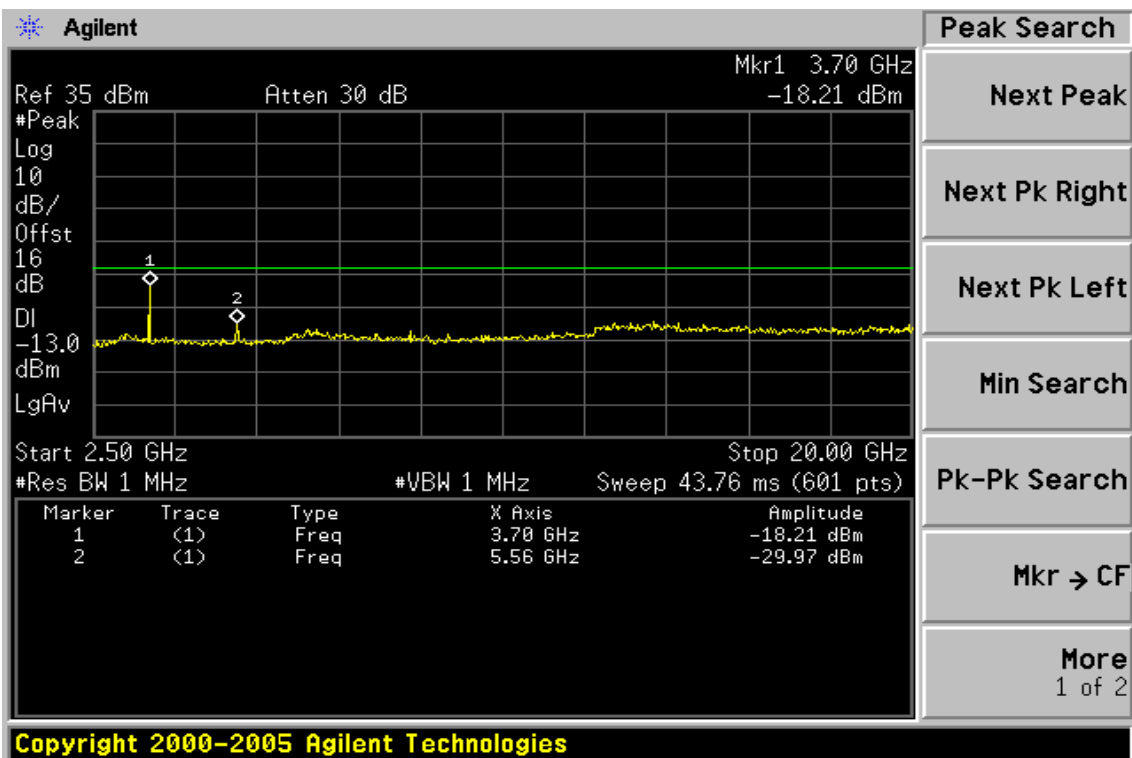
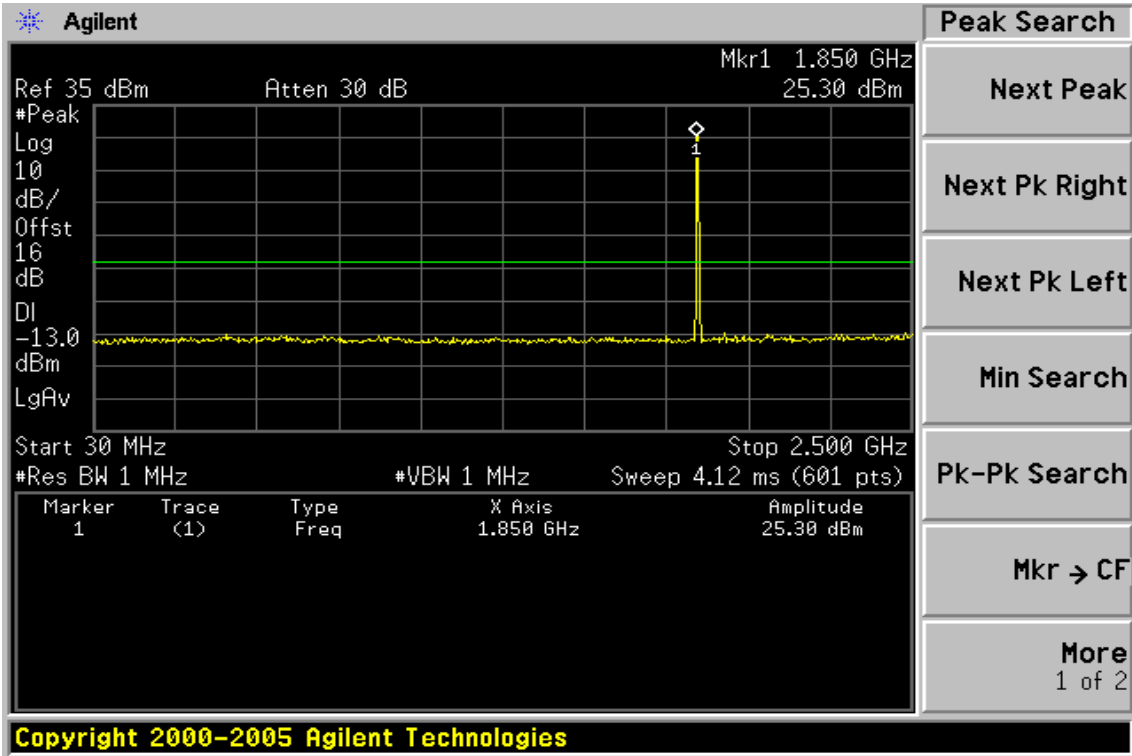
Band Edge measurement: a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission use the spectrum analyzer Band power function with Integrated 5KHz and 15kHz of the transmitter may be employed to measure the out of band Emissions. Limit, -13dBm.

8.4. Measurement Equipment Used:

Refer to section 2.4 in this report

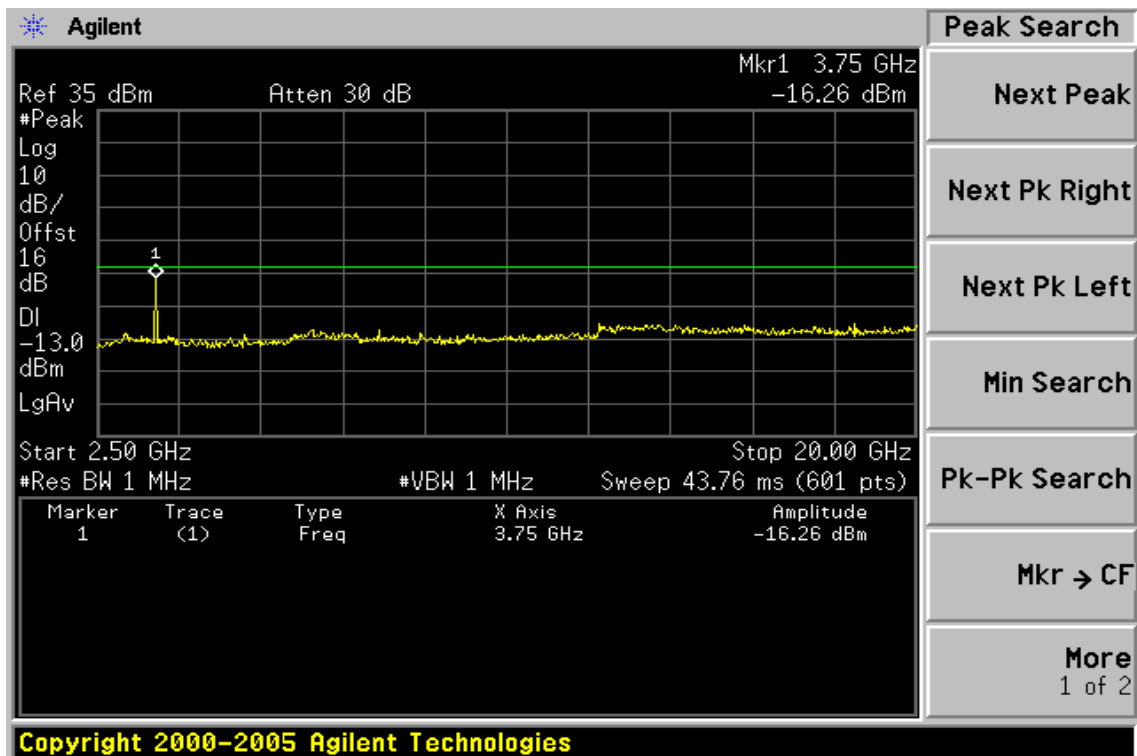
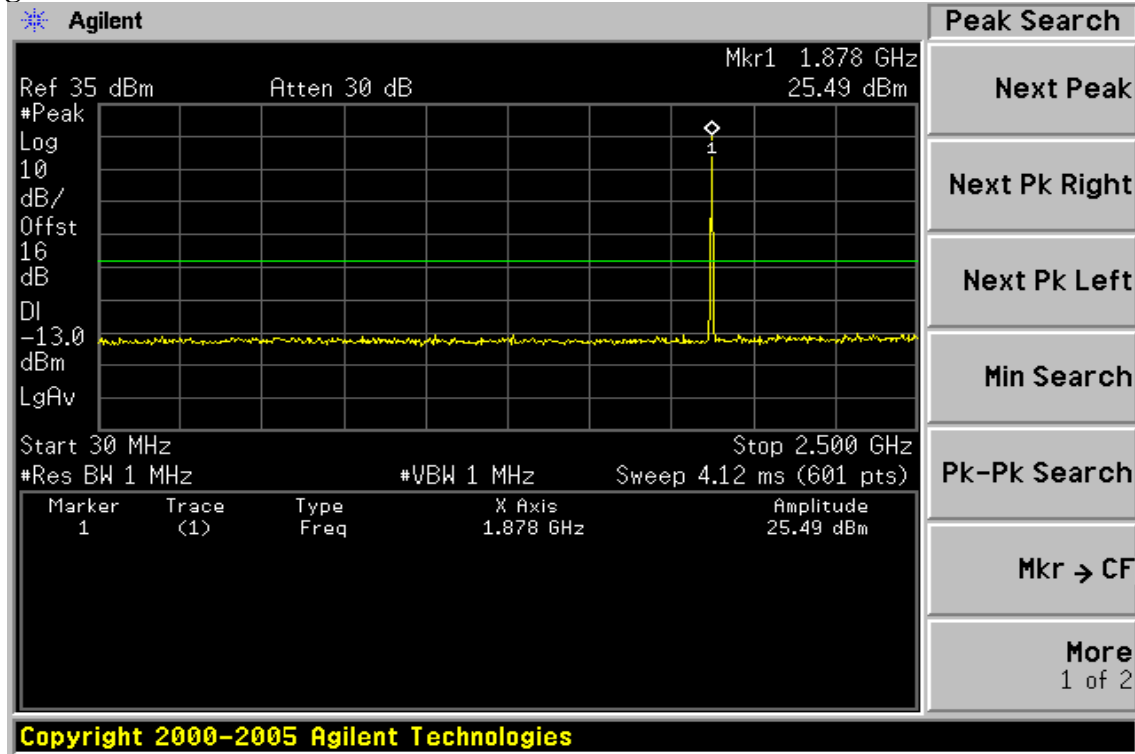
8.5. Measurement Result:

Figure 8-1: Out of Band emission at antenna terminals–CDMA 2000 PCS Channel Lowest



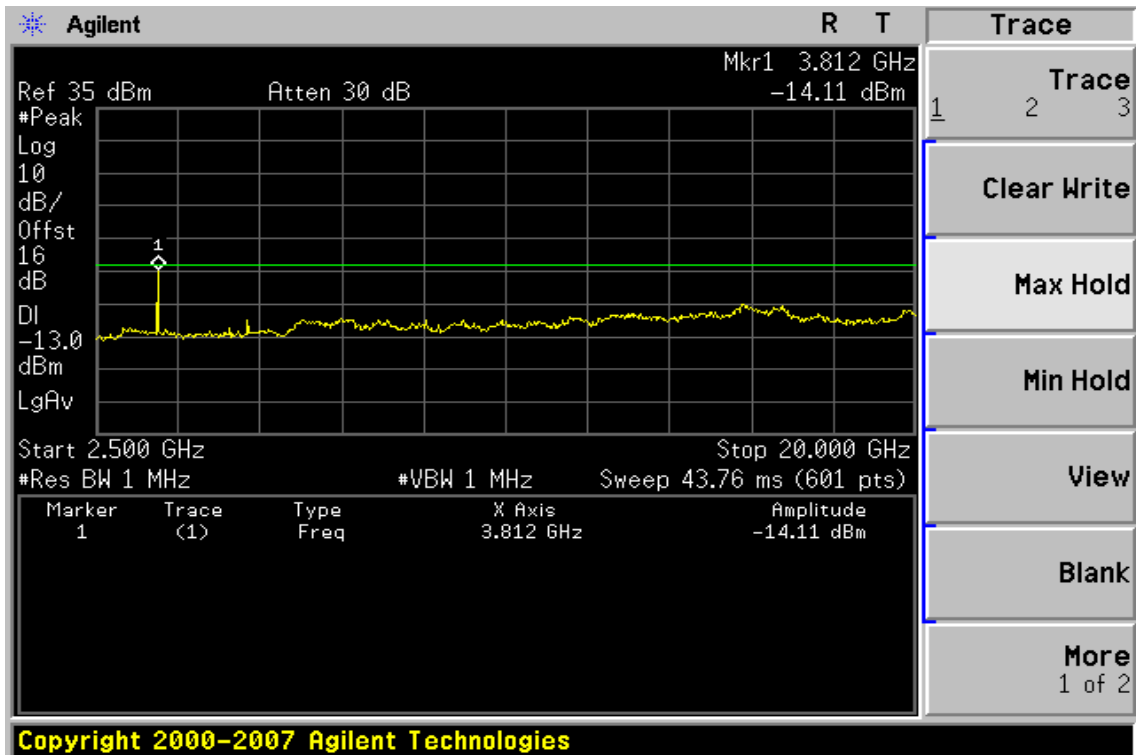
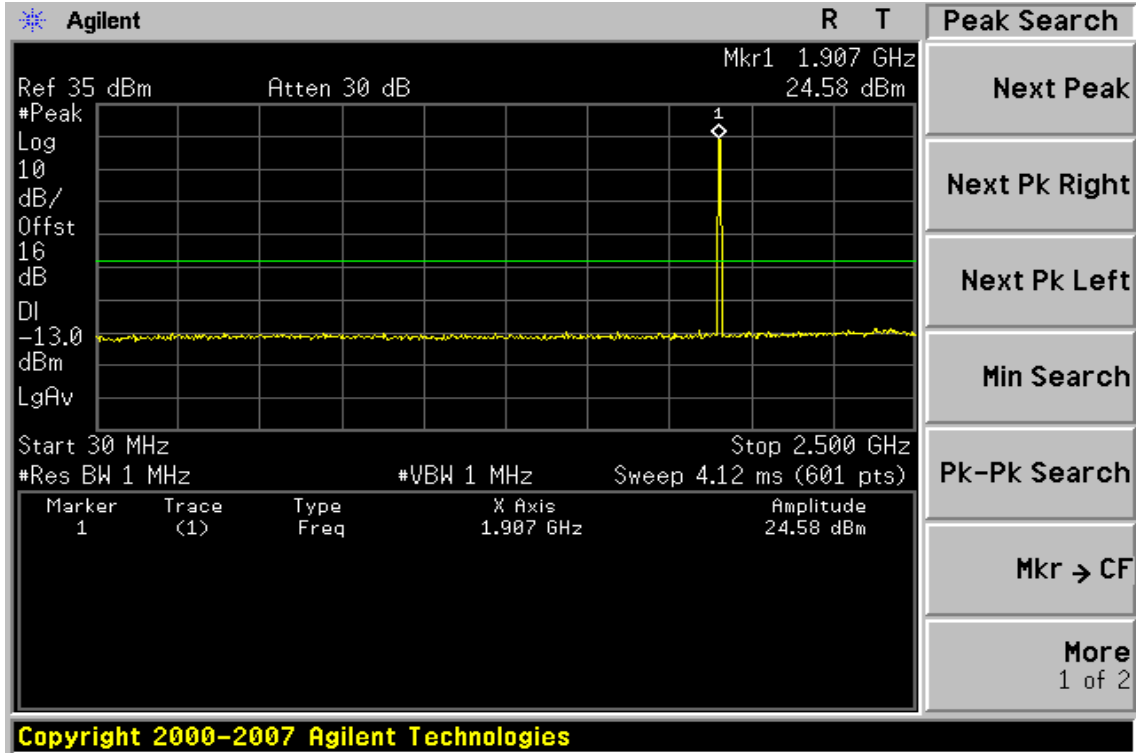
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Figure 8-2: Out of Band emission at antenna terminals –CDMA 2000 PCS Channel Mid



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Figure 8-3: Out of Band emission at antenna terminals–CDMA 2000 PCS Channel Highest

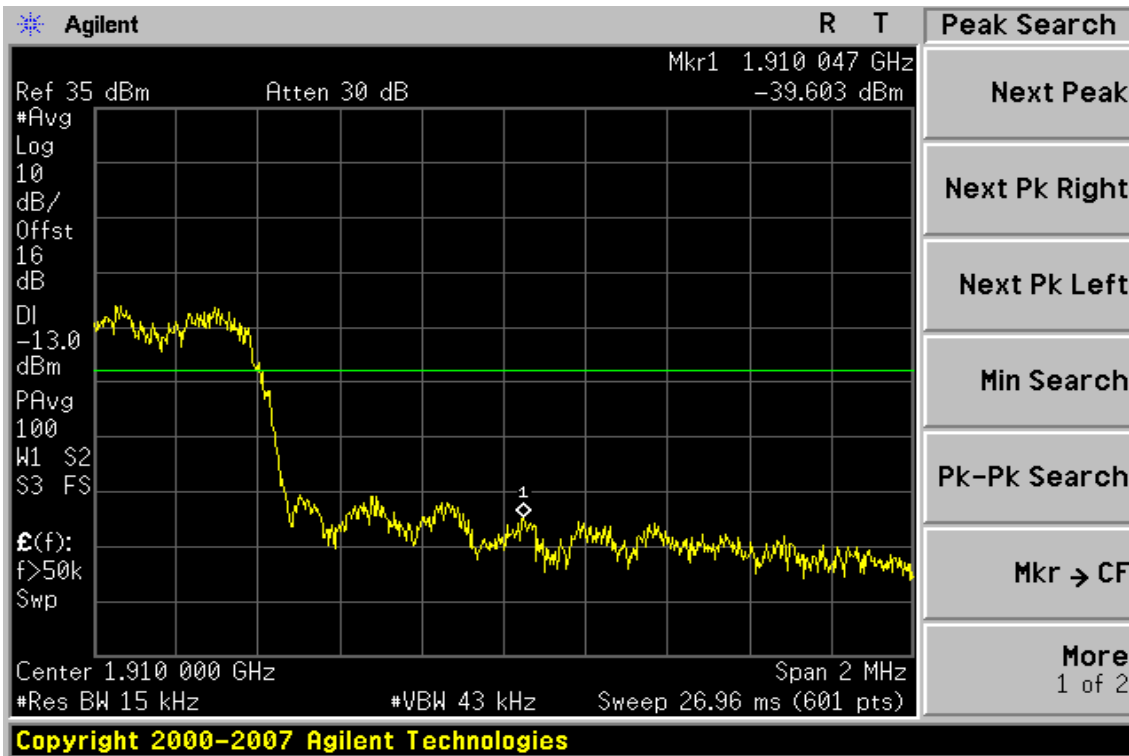


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Figure 8-4: Band edge emission at antenna terminals –CDMA 2000 PCS Channel Lowest

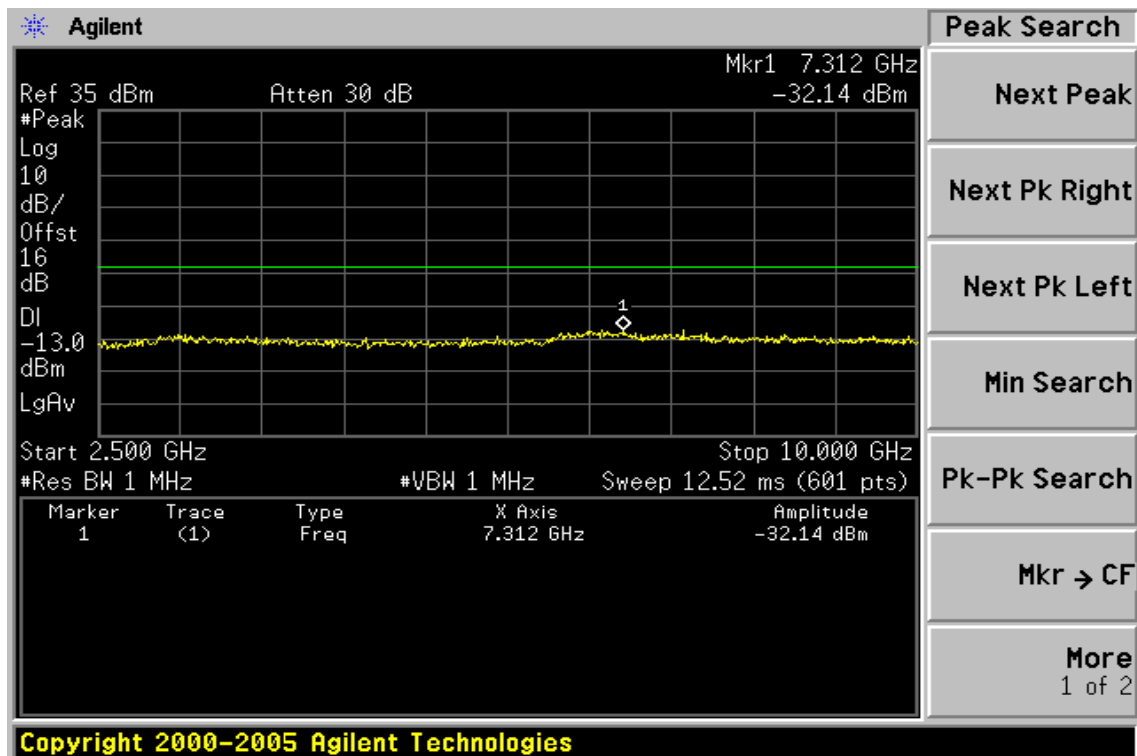
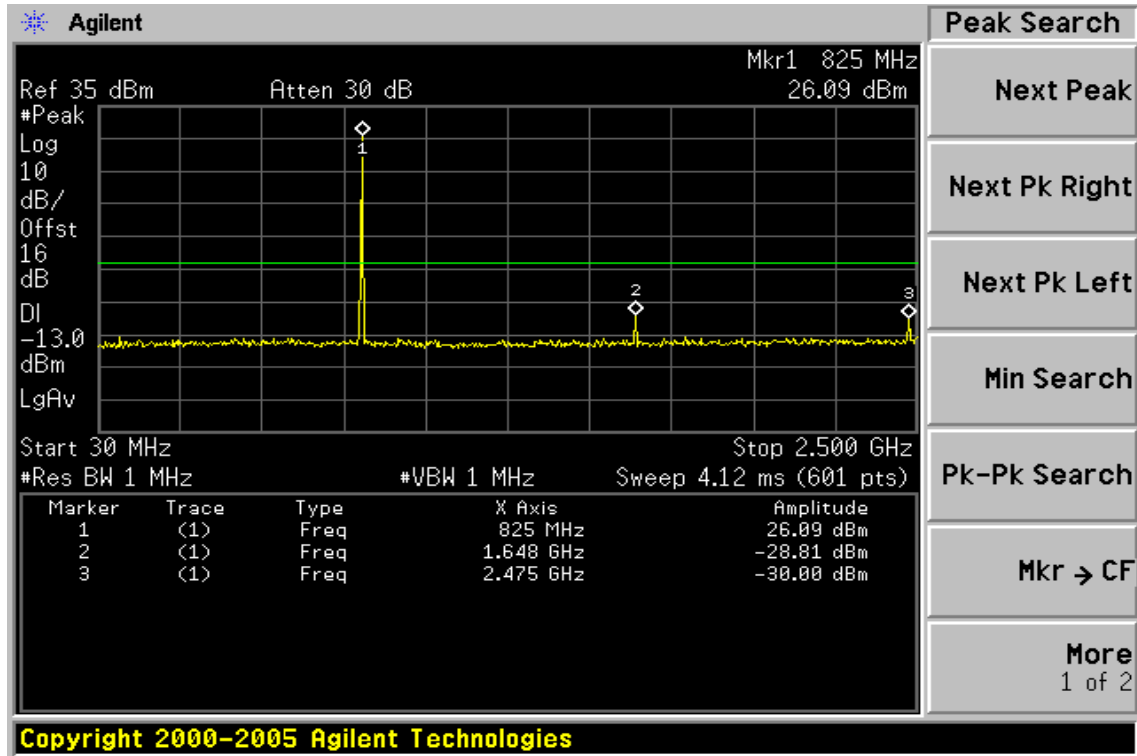


Figure 8-5: Band edge emission at antenna terminals –CDMA 2000 PCS Channel Highest



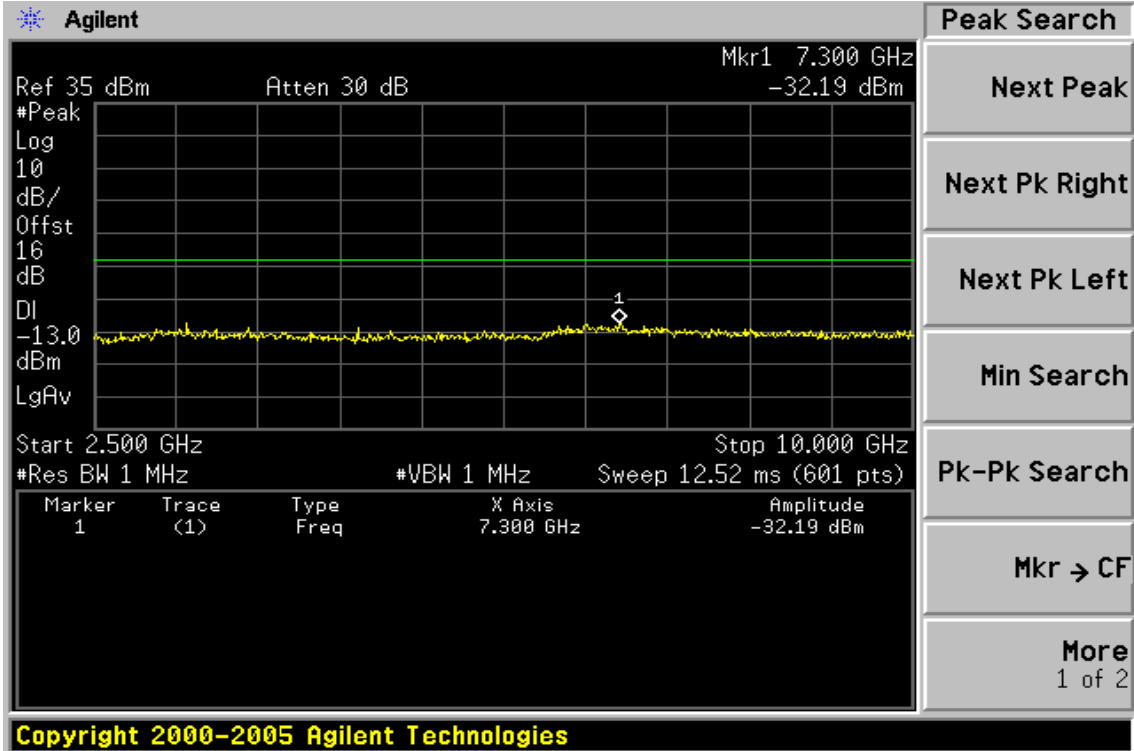
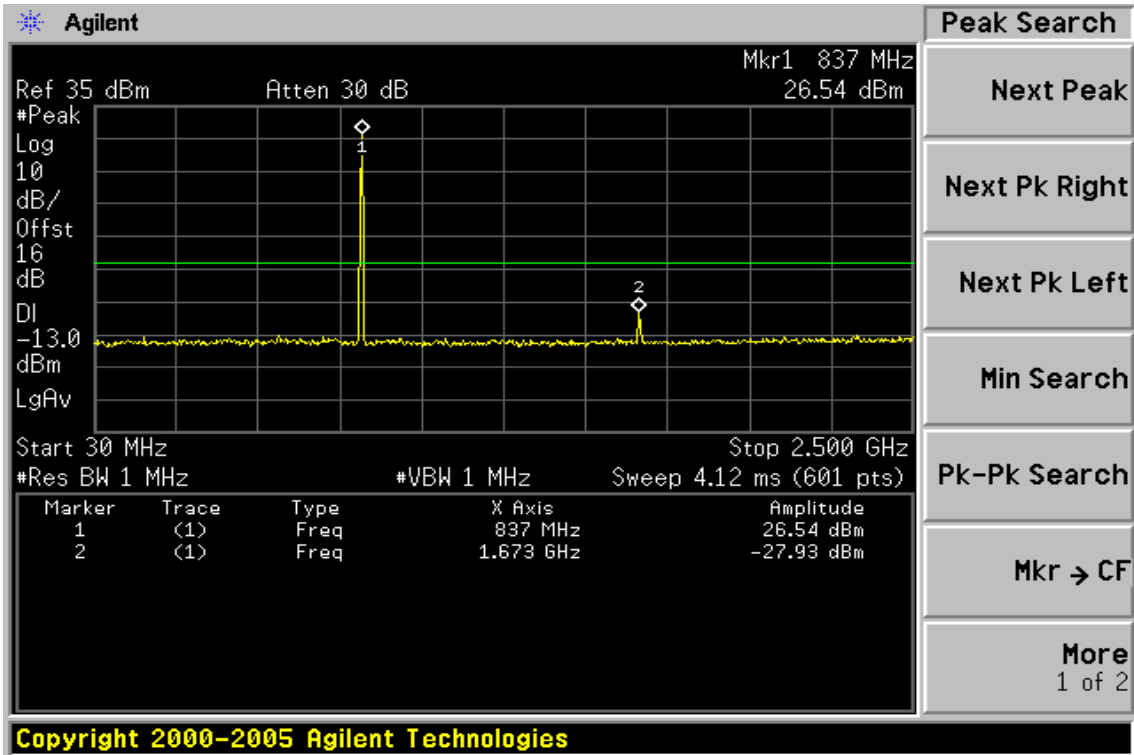
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Figure 8-6: Out of Band emission at antenna terminals–CDMA 2000 Cellular Channel Lowest



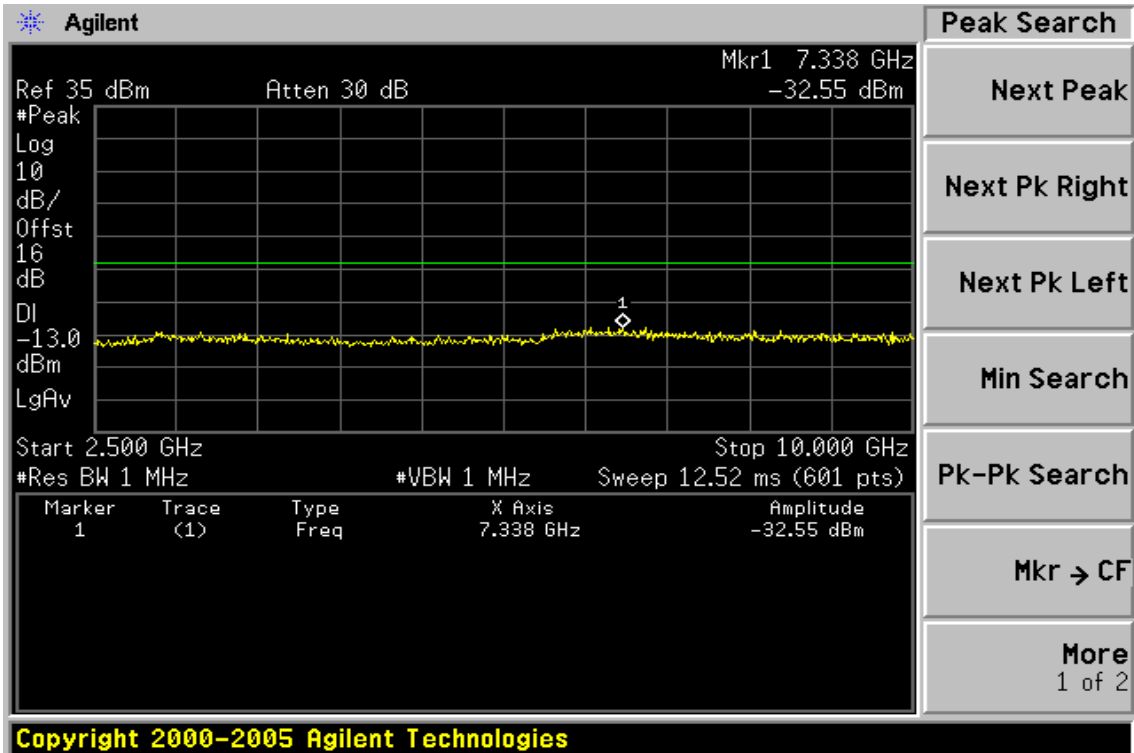
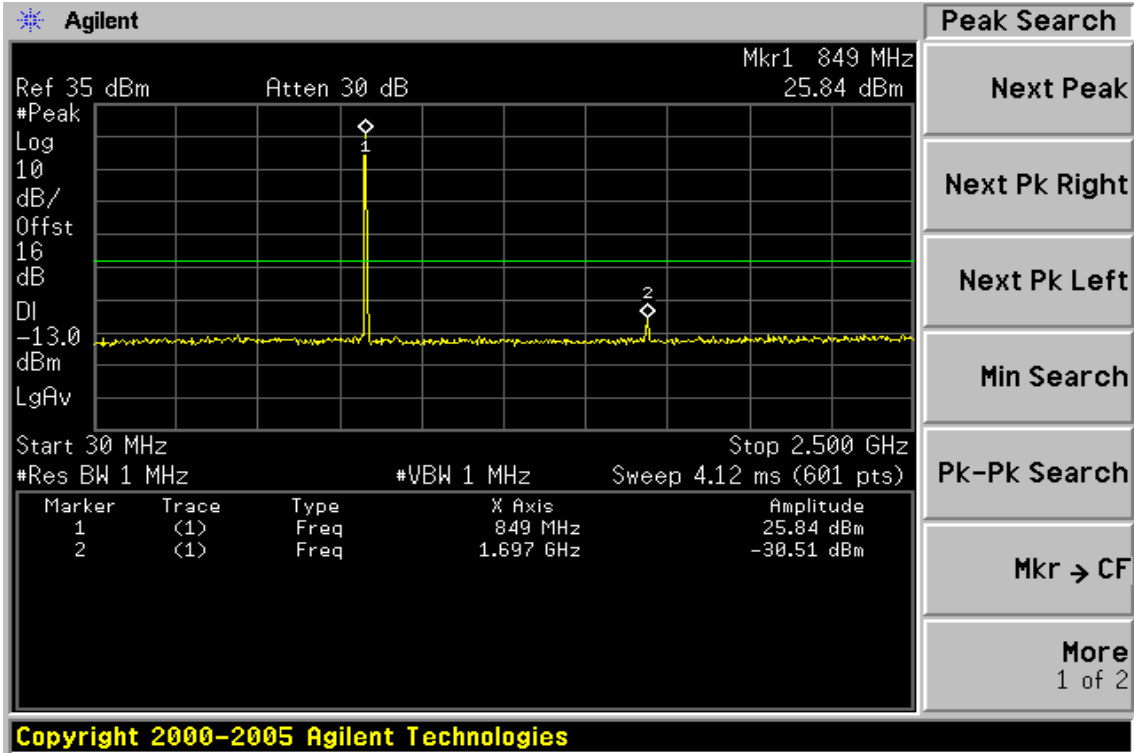
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Figure 8-7: Out of Band emission at antenna terminals –CDMA 2000 Cellular Channel Mid



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Figure 8-8: Out of Band emission at antenna terminals–CDMA 2000 Cellular Channel Highest

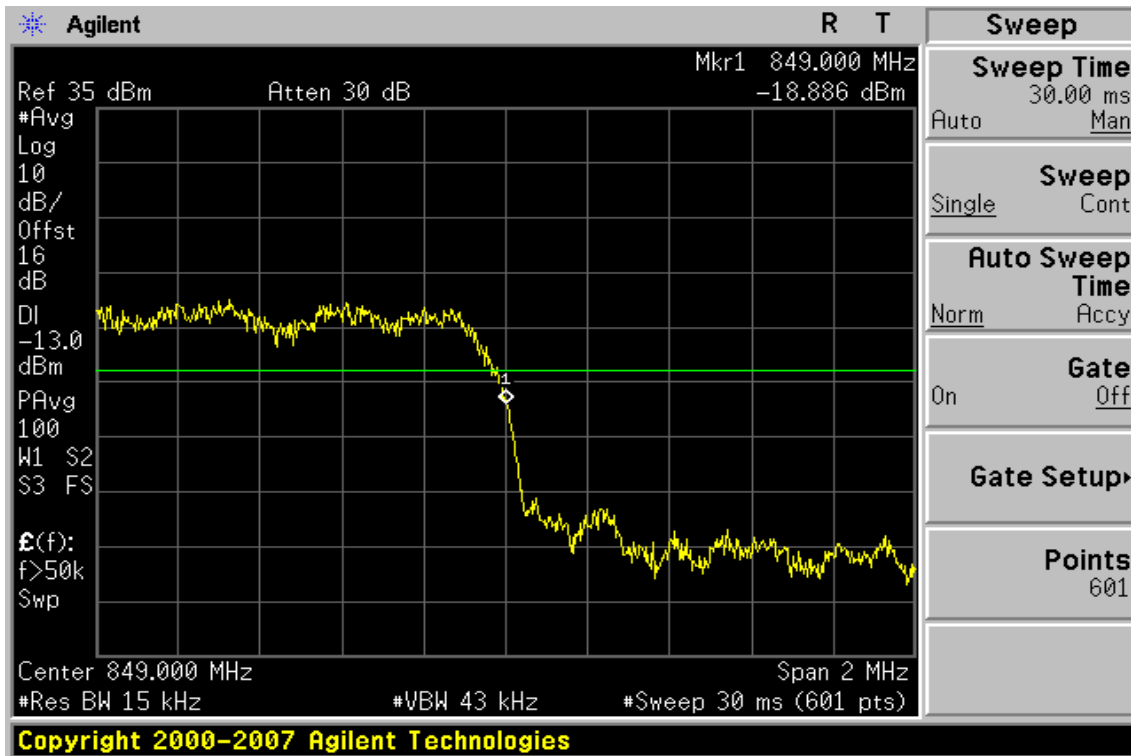


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Figure 8-9: Band edge emission at antenna terminals –CDMA 2000 Cellular Channel Lowest



Figure 8-10: Band edge emission at antenna terminals –CDMA 2000 Cellular Channel Highest



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9. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

9.1. Standard Applicable:

According to FCC §2.1053,

FCC §22.917(a), §24.238(a) the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm)

9.2. EUT Setup (Block Diagram of Configuration):

Refer to section 6.2 in this report

9.3. Measurement 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.

Band Edge measurement: a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission use the spectrum analyzer Band power function with

Integrated 5KHz and 15kHz of the transmitter may be employed to measure the out of band Emissions. Limit, -13dBm.

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

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

9.4. Measurement Equipment Used:

Refer to section 2.4 in this report

9.5. Measurement Result:

Refer to attach tabular data sheets.

Radiated Spurious Emission Measurement Result: CDMA 2000 Cellular Mode

Operation Mode	: TX CH Low E1 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 824.70MHz	Test By:	Jason
Temperature	: 25	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
30.00	49.57	V	-55.13	-7.34	0.95	-63.42	-13.00	-50.42
38.73	42.48	V	-59.69	-3.25	0.90	-63.83	-13.00	-50.83
75.59	43.00	V	-68.52	-1.85	1.19	-71.57	-13.00	-58.57
92.08	47.19	V	-55.74	-7.75	1.29	-64.78	-13.00	-51.78
104.69	47.89	V	-53.60	-7.76	1.38	-62.74	-13.00	-49.74
824.00	72.67	V	-13.71	-7.88	3.63	-25.21	-13.00	-12.21
1649.40	46.57	V	-58.01	9.29	5.23	-53.95	-13.00	-40.95
2474.10	43.80	V	-57.20	10.08	6.53	-53.65	-13.00	-40.65
3298.80	38.74	V	-60.13	12.17	7.72	-55.67	-13.00	-42.67
4123.50	---	V		12.61	8.86		-13.00	
4108.00	35.57	V	-60.60	12.61	8.85	-56.83	-13.00	-43.83
4948.20	---	V		12.65	9.74		-13.00	
5772.90	---	V		13.56	10.54		-13.00	
6597.60	---	V		12.04	11.30		-13.00	
7422.30	---	V		11.49	12.10		-13.00	
8247.00	---	V		11.48	12.72		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 Cellular Mode

Operation Mode	: TX CH Low E1 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 824.70MHz	Test By:	Jason
Temperature	: 25	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
56.19	38.32	H	-71.32	-0.51	1.09	-72.92	-13.00	-59.92
75.59	38.26	H	-74.10	-1.85	1.19	-77.14	-13.00	-64.14
104.69	42.69	H	-59.82	-7.76	1.38	-68.96	-13.00	-55.96
502.39	32.89	H	-60.48	-7.72	2.81	-71.01	-13.00	-58.01
693.48	32.74	H	-55.16	-7.85	3.27	-66.29	-13.00	-53.29
824.00	66.07	H	-20.20	-7.88	3.63	-31.70	-13.00	-18.70
1649.40	43.95	H	-60.45	9.29	5.23	-56.39	-13.00	-43.39
2474.10	39.80	H	-61.10	10.08	6.53	-57.56	-13.00	-44.56
3298.80	40.09	H	-59.00	12.17	7.72	-54.55	-13.00	-41.55
4123.50	---	H		12.61	8.86		-13.00	
4304.00	36.08	H	-59.52	12.64	9.07	-55.95	-13.00	-42.95
4948.20	---	H		12.65	9.74		-13.00	
5772.90	---	H		13.56	10.54		-13.00	
6597.60	---	H		12.04	11.30		-13.00	
7422.30	---	H		11.49	12.10		-13.00	
8247.00	---	H		11.48	12.72		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 Cellular Mode

Operation Mode	: TX CH Mid E1 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 836.52MHz	Test By:	Jason
Temperature	: 25	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
72.68	42.87	V	-68.80	-1.45	1.18	-71.42	-13.00	-58.42
92.08	46.69	V	-56.24	-7.75	1.29	-65.28	-13.00	-52.28
104.69	47.69	V	-53.80	-7.76	1.38	-62.94	-13.00	-49.94
352.04	33.37	V	-64.17	-7.64	2.37	-74.18	-13.00	-61.18
681.84	32.89	V	-56.36	-7.84	3.24	-67.45	-13.00	-54.45
1673.04	46.09	V	-58.47	9.36	5.27	-54.38	-13.00	-41.38
2509.56	41.24	V	-59.54	10.09	6.58	-56.04	-13.00	-43.04
3346.08	39.40	V	-59.46	12.27	7.79	-54.98	-13.00	-41.98
4182.60	---	V		12.62	8.93		-13.00	
4248.00	35.32	V	-60.32	12.63	9.01	-56.70	-13.00	-43.70
5019.12	---	V		12.67	9.81		-13.00	
5855.64	---	V		13.68	10.62		-13.00	
6692.16	---	V		11.95	11.39		-13.00	
7528.68	---	V		11.45	12.20		-13.00	
8365.20	---	V		11.59	12.81		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 Cellular Mode

Operation Mode	: TX CH Mid E1 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 836.52MHz	Test By:	Jason
Temperature	: 25	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
62.98	38.70	H	-72.83	-0.64	1.10	-74.57	-13.00	-61.57
104.69	41.91	H	-60.60	-7.76	1.38	-69.74	-13.00	-56.74
159.80	33.30	H	-65.23	-7.81	1.61	-74.65	-13.00	-61.65
383.08	32.90	H	-63.79	-7.65	2.46	-73.90	-13.00	-60.90
1673.04	40.98	H	-63.40	9.36	5.27	-59.30	-13.00	-46.30
2509.56	39.86	H	-60.84	10.09	6.58	-57.34	-13.00	-44.34
3346.08	43.55	H	-55.51	12.27	7.79	-51.03	-13.00	-38.03
4182.60	---	H		12.62	8.93		-13.00	
5019.12	---	H		12.67	9.81		-13.00	
5855.64	---	H		13.68	10.62		-13.00	
6692.16	---	H		11.95	11.39		-13.00	
7528.68	---	H		11.45	12.20		-13.00	
8365.20	---	H		11.59	12.81		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 Cellular Mode

Operation Mode	: TX CH High E1 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 848.31MHz	Test By:	Jason
Temperature	: 25	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
77.53	43.41	V	-68.01	-2.12	1.21	-71.34	-13.00	-58.34
92.08	47.68	V	-55.25	-7.75	1.29	-64.29	-13.00	-51.29
104.69	47.49	V	-54.00	-7.76	1.38	-63.14	-13.00	-50.14
654.68	33.11	V	-55.86	-7.81	3.17	-66.85	-13.00	-53.85
849.00	75.32	V	-10.79	-7.88	3.68	-22.35	-13.00	-9.35
1696.62	45.10	V	-59.44	9.43	5.31	-55.31	-13.00	-42.31
2544.93	42.91	V	-57.74	10.19	6.63	-54.18	-13.00	-41.18
3393.24	---	V		12.38	7.86		-13.00	
4241.55	---	V		12.63	9.00		-13.00	
4759.00	35.75	V	-57.65	12.65	9.55	-54.55	-13.00	-41.55
5089.86	---	V		12.74	9.88		-13.00	
5938.17	---	V		13.81	10.70		-13.00	
6786.48	---	V		11.86	11.48		-13.00	
7634.79	---	V		11.41	12.27		-13.00	
8483.10	---	V		11.69	12.91		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 Cellular Mode

Operation Mode	: TX CH High E1 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 848.31MHz	Test By:	Jason
Temperature	: 25	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
75.59	39.57	H	-72.79	-1.85	1.19	-75.83	-13.00	-62.83
104.69	41.95	H	-60.56	-7.76	1.38	-69.70	-13.00	-56.70
159.98	32.12	H	-66.42	-7.81	1.61	-75.85	-13.00	-62.85
618.79	33.55	H	-56.78	-7.80	3.08	-67.66	-13.00	-54.66
849.00	72.33	H	-13.86	-7.88	3.68	-25.42	-13.00	-12.42
1696.62	42.71	H	-61.64	9.43	5.31	-57.51	-13.00	-44.51
2544.93	38.31	H	-62.29	10.19	6.63	-58.73	-13.00	-45.73
3393.24	37.34	H	-61.69	12.38	7.86	-57.17	-13.00	-44.17
4241.55	---	H		12.63	9.00		-13.00	
4733.00	35.60	H	-58.11	12.66	9.53	-54.98	-13.00	-41.98
5089.86	---	H		12.74	9.88		-13.00	
5938.17	---	H		13.81	10.70		-13.00	
6786.48	---	H		11.86	11.48		-13.00	
7634.79	---	H		11.41	12.27		-13.00	
8483.10	---	H		11.69	12.91		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 PCS Mode

Operation Mode	: TX CH Low E2 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 1851.25MHz	Test By:	Jason
Temperature	: 25	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
36.79	44.25	V	-58.48	-4.16	0.91	-63.55	-13.00	-50.55
72.68	44.08	V	-67.59	-1.45	1.18	-70.21	-13.00	-57.21
90.14	50.31	V	-52.87	-7.75	1.27	-61.89	-13.00	-48.89
104.69	44.93	V	-56.56	-7.76	1.38	-65.70	-13.00	-52.70
153.19	32.99	V	-64.59	-7.80	1.60	-73.99	-13.00	-60.99
1850.00	64.98	V	-39.41	9.90	5.56	-35.07	-13.00	-22.07
3702.50	57.14	V	-40.78	12.61	8.31	-36.48	-13.00	-23.48
5553.75	---	V		13.23	10.33		-13.00	
7405.00	---	V		11.50	12.09		-13.00	
9256.25	---	V		11.92	13.50		-13.00	
11107.50	---	V		11.67	15.12		-13.00	
12958.75	---	V		13.62	16.61		-13.00	
14810.00	---	V		12.79	17.96		-13.00	
16661.25	---	V		15.89	19.14		-13.00	
18512.50	---	V		18.75	10.62		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 PCS Mode

Operation Mode	: TX CH Low E2 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 1851.25MHz	Test By:	Jason
Temperature	: 25	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
72.68	41.19	H	-71.14	-1.45	1.18	-73.76	-13.00	-60.76
92.08	42.88	H	-60.71	-7.75	1.29	-69.75	-13.00	-56.75
106.63	41.22	H	-61.09	-7.77	1.39	-70.24	-13.00	-57.24
159.98	32.52	H	-66.02	-7.81	1.61	-75.45	-13.00	-62.45
541.19	33.21	H	-58.81	-7.75	2.93	-69.50	-13.00	-56.50
1850.00	69.49	H	-34.69	9.90	5.56	-30.35	-13.00	-17.35
3702.50	55.99	H	-42.04	12.61	8.31	-37.75	-13.00	-24.75
5553.75	---	H		13.23	10.33		-13.00	
7405.00	---	H		11.50	12.09		-13.00	
9256.25	---	H		11.92	13.50		-13.00	
11107.50	---	H		11.67	15.12		-13.00	
12958.75	---	H		13.62	16.61		-13.00	
14810.00	---	H		12.79	17.96		-13.00	
16661.25	---	H		15.89	19.14		-13.00	
18512.50	---	H		18.75	10.62		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 ERP/EIRP (dBm) = SG Setting(dBm) + Antenna Gain (dB/dBi) – Cable loss (dB)

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Radiated Spurious Emission Measurement Result: CDMA 2000 PCS Mode

Operation Mode	: TX CH Mid E2 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 1880MHz	Test By:	Jason
Temperature	: 25	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBUV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
38.73	43.60	V	-58.57	-3.25	0.90	-62.71	-13.00	-49.71
72.68	45.62	V	-66.05	-1.45	1.18	-68.67	-13.00	-55.67
92.08	48.55	V	-54.38	-7.75	1.29	-63.42	-13.00	-50.42
101.78	44.95	V	-56.81	-7.76	1.37	-65.93	-13.00	-52.93
604.24	33.46	V	-56.05	-7.79	3.04	-66.89	-13.00	-53.89
3760.00	52.29	V	-45.37	12.60	8.39	-41.15	-13.00	-28.15
5640.00	---	V		13.36	10.41		-13.00	
7520.00	---	V		11.45	12.19		-13.00	
9400.00	---	V		11.93	13.61		-13.00	
11280.00	---	V		11.92	15.27		-13.00	
13160.00	---	V		13.33	16.71		-13.00	
15040.00	---	V		13.76	18.15		-13.00	
16920.00	---	V		15.27	19.32		-13.00	
18800.00	---	V		18.68	16.58		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 PCS Mode

Operation Mode	: TX CH Mid E2 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 1880MHz	Test By:	Jason
Temperature	: 25	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Out-put (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
56.19	38.64	H	-71.00	-0.51	1.09	-72.60	-13.00	-59.60
70.74	40.49	H	-71.82	-1.18	1.16	-74.16	-13.00	-61.16
96.93	41.34	H	-61.89	-7.76	1.33	-70.98	-13.00	-57.98
523.73	41.42	H	-51.21	-7.74	2.88	-61.82	-13.00	-48.82
895.24	32.70	H	-52.28	-7.94	3.78	-64.00	-13.00	-51.00
3760.00	49.12	H	-48.65	12.60	8.39	-44.44	-13.00	-31.44
5640.00	---	H		13.36	10.41		-13.00	
7520.00	---	H		11.45	12.19		-13.00	
9400.00	---	H		11.93	13.61		-13.00	
11280.00	---	H		11.92	15.27		-13.00	
13160.00	---	H		13.33	16.71		-13.00	
15040.00	---	H		13.76	18.15		-13.00	
16920.00	---	H		15.27	19.32		-13.00	
18800.00	---	H		18.68	16.58		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 PCS Mode

Operation Mode	: TX CH High E2 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 1908.75MHz	Test By:	Jason
Temperature	: 25	Pol:	Ver
Humidity	: 65%		

Freq. (MHz)	SPA Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
38.73	43.90	V	-58.27	-3.25	0.90	-62.41	-13.00	-49.41
75.59	44.03	V	-67.49	-1.85	1.19	-70.54	-13.00	-57.54
92.08	47.98	V	-54.95	-7.75	1.29	-63.99	-13.00	-50.99
104.69	45.39	V	-56.10	-7.76	1.38	-65.24	-13.00	-52.24
737.13	33.80	V	-53.91	-7.87	3.42	-65.20	-13.00	-52.20
1910.00	66.75	V	-37.58	10.08	5.66	-33.16	-13.00	-20.16
3817.50	53.61	V	-43.79	12.60	8.47	-39.66	-13.00	-26.66
5494.00	35.31	V	-55.69	13.14	10.27	-52.82	-13.00	-39.82
5726.25	---	V		13.49	10.50		-13.00	
7635.00	---	V		11.41	12.27		-13.00	
9543.75	---	V		11.95	13.73		-13.00	
11452.50	---	V		12.16	15.43		-13.00	
13361.25	---	V		12.99	16.82		-13.00	
15270.00	---	V		14.95	18.28		-13.00	
17178.75	---	V		14.50	19.51		-13.00	
19087.50	---	V		18.65	20.77		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz -1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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Radiated Spurious Emission Measurement Result: CDMA 2000 PCS Mode

Operation Mode	: TX CH High E2 Mode	Test Date:	Jun. 02, 2009
Fundamental Frequency	: 1908.75MHz	Test By:	Jason
Temperature	: 25	Pol:	Hor
Humidity	: 65%		

Freq. (MHz)	SPA. Reading (dBuV)	Ant.Pol. H/V	S.G Output (dBm)	Antenna Gain (dB/dBi)	Cable Loss (dB)	ERP/EIRP (dBm)	Limit (dBm)	Safe Margin (dBm)
58.13	38.42	H	-72.01	-0.49	1.08	-73.58	-13.00	-60.58
70.74	39.94	H	-72.37	-1.18	1.16	-74.71	-13.00	-61.71
104.69	41.57	H	-60.94	-7.76	1.38	-70.08	-13.00	-57.08
606.18	33.01	H	-57.57	-7.79	3.05	-68.41	-13.00	-55.41
730.34	32.95	H	-60.35	-7.87	3.40	-71.62	-13.00	-58.62
1910.00	68.32	H	-35.79	10.08	5.66	-31.37	-13.00	-18.37
3817.50	50.95	H	-46.56	12.60	8.47	-42.43	-13.00	-29.43
5726.25	---	H		13.49	10.50		-13.00	
7635.00	---	H		11.41	12.27		-13.00	
9543.75	---	H		11.95	13.73		-13.00	
11452.50	---	H		12.16	15.43		-13.00	
13361.25	---	H		12.99	16.82		-13.00	
15270.00	---	H		14.95	18.28		-13.00	
17178.75	---	H		14.50	19.51		-13.00	
19087.50	---	H		18.65	20.77		-13.00	

Measurement uncertainty	30MHz - 80MHz: 5.04dB
	80MHz - 1000MHz: 3.76dB
	1GHz - 13GHz: 4.45dB

Remark:

- 1 The emission behaviors belong to narrowband spurious emission.
- 2 Remark"---" means that the emission level is too low to be measured
- 3 The result basic equation calculation is as follows:
- 4 $ERP/EIRP (dBm) = SG \text{ Setting}(dBm) + Antenna \text{ Gain} (dB/dBi) - Cable \text{ loss} (dB)$

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10. FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

10.1. Standard Applicable:

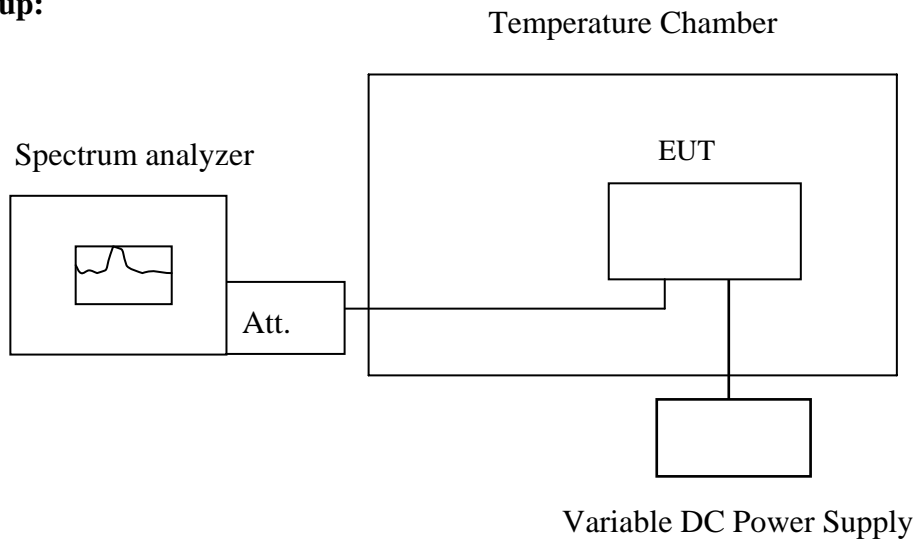
According to FCC §2.1055(a) (1)

Frequency Tolerance: +/-2.5ppm for 850MHz band

+/-2.5ppm for 1900MHz band

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

10.2. Test Set-up:



Note : Measurement setup for testing on Antenna connector

10.3. Measurement Procedure:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

10.4. Measurement Equipment Used:

Refer to section 2.4 in this report

10.5. Measurement Result:

Reference Frequency: CDMA 2000 Cellular Mid Channel 836.0 MHz				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.7	-30	836.520002	-5.00	2091
3.7	-20	836.519999	-2.00	2091
3.7	-10	836.519995	2.00	2091
3.7	0	836.519998	-1.00	2091
3.7	10	836.520001	-4.00	2091
3.7	20	836.519997	0.00	2091
3.7	30	836.520000	-3.00	2091
3.7	40	836.519998	-1.00	2091
3.7	50	836.519999	-2.00	2091

Reference Frequency: CDMA 2000 PCS Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.7	-30	1880.000005	-9.00	4700
3.7	-20	1880.000001	-5.00	4700
3.7	-10	1880.000003	-7.00	4700
3.7	0	1880.000008	-12.00	4700
3.7	10	1879.999999	-3.00	4700
3.7	20	1879.999996	0.00	4700
3.7	30	1879.999993	3.00	4700
3.7	40	1879.999992	4.00	4700
3.7	50	1879.999995	1.00	4700

Note: The battery is rated 3.7V dc.

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11. FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT

11.1. Standard Applicable:

According to FCC §2.1055(a) (1)

Frequency Tolerance: +/-2.5ppm for 850MHz band

+/-2.5ppm for 1900MHz band

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

11.2. Test Set-up:

Refer to section 10.2 in this report

11.3. Measurement Procedure:

Set chamber temperature to 25°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.

11.4. Measurement Equipment Used:

Refer to section 2.4 in this report

11.5. Measurement Result:

Reference Frequency: CDMA 2000 Cellular Mid Channel 836.0 MHz @ 25°C				
Limit: +/- 2.5 ppm = 2091 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.700	25.00	836.519997	5.00	2091.00
4.200	25.00	836.520002	0.00	2091.00
3.200	25.00	836.519999	3.00	2091.00
3.0 (End Point)	25.00	836.520003	-1.00	2091.00

Reference Frequency: CDMA 2000 PCS Mid Channel 1880 MHz @ 25°C				
Limit: +/- 2.5 ppm = 4700 Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (°C)	(MHz)		
3.7	25	1879.999996	-5.00	4700
4.255	25	1879.999991	0.00	4700
3.2	25	1879.999998	-7.00	4700
3.0 (Endpoint)	25	1880.000001	-10.00	4700

Note: The battery is rated 3.7V dc.

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12. AC POWER LINE CONDUCTED EMISSION TEST

12.1. Standard Applicable:

According to §15.207. The emission value for frequency within 150KHz to 30MHz shall not exceed criteria of below chart.

Frequency range MHz	Limits dB(uV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Note

- 1.The lower limit shall apply at the transition frequencies
- 2.The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

12.2. EUT Setup:

1. The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.4-2003.
2. The EUT was plug-in DC power adaptor and was placed on the center of the back edge on the test table. The peripherals like earphone was placed on the side of the EUT. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
3. The Power adaptor was connected with 120Vac/60Hz power source.

12.3. Measurement Procedure:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

12.4. Measurement Equipment Used:

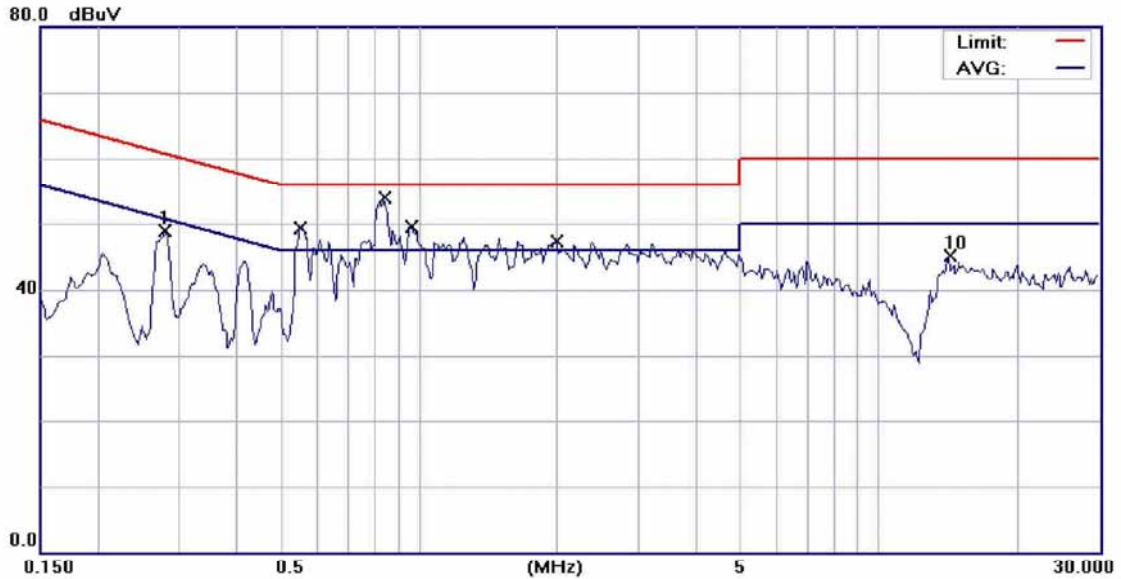
Refer to section 2.4 in this report

12.5. Measurement Result;

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

AC POWER LINE CONDUCTED EMISSION TEST DATA

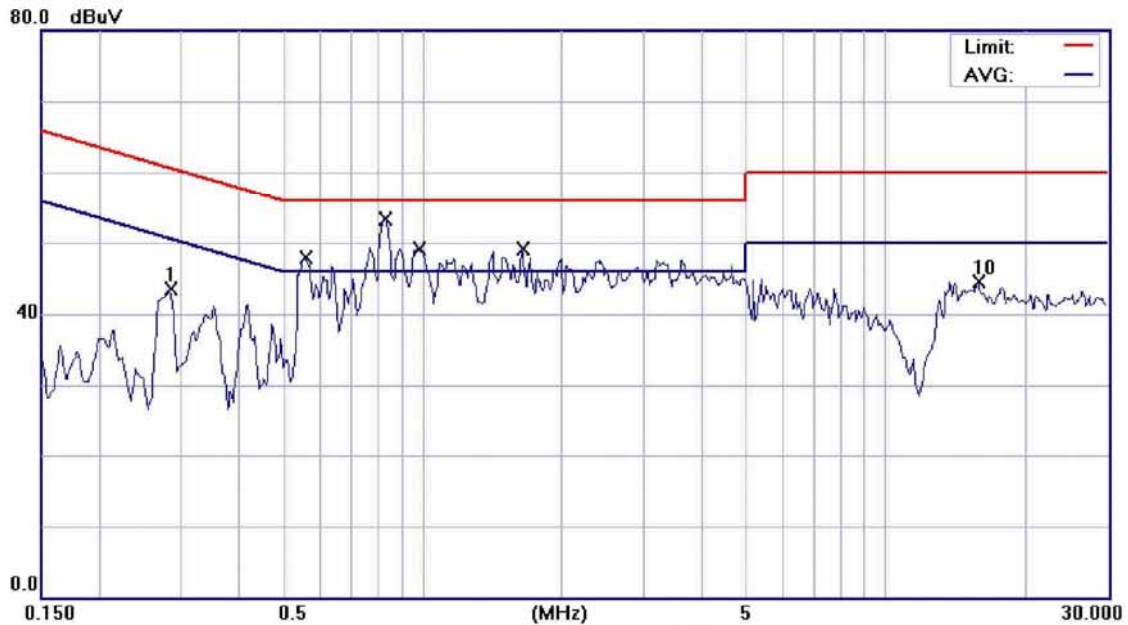
Operation Mode:	CDMA 2000 Cellular LINK			Test Date:	Jun. 02, 2009
Temperature:	24	Humidity:	60 %	Test By:	Jason



Site SGS CONDUCTED #1 Phase: **L1** Temperature: 24 °C
 Limit: CISPR22/11/EN55022 Class B Power: AC 120V/60Hz Humidity: 60 %
 EUT: Pocket PC Phone Distance: Air Pressure: hpa
 M/N: HERO200
 Note: CDMA2000 1X Cellular Traffic Mode//1'st Adapter

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2800	48.75	0.10	48.85	60.82	-11.97	peak	
2		0.5568	46.92	0.07	46.99	56.00	-9.01	QP	
3		0.5568	34.17	0.07	34.24	46.00	-11.76	AVG	
4	*	0.8316	51.68	0.08	51.76	56.00	-4.24	QP	
5		0.8316	39.30	0.08	39.38	46.00	-6.62	AVG	
6		0.9668	47.94	0.09	48.03	56.00	-7.97	QP	
7		0.9668	35.91	0.09	36.00	46.00	-10.00	AVG	
8		1.9827	45.60	0.13	45.73	56.00	-10.27	QP	
9		1.9827	32.79	0.13	32.92	46.00	-13.08	AVG	
10		14.2400	44.73	0.40	45.13	60.00	-14.87	peak	

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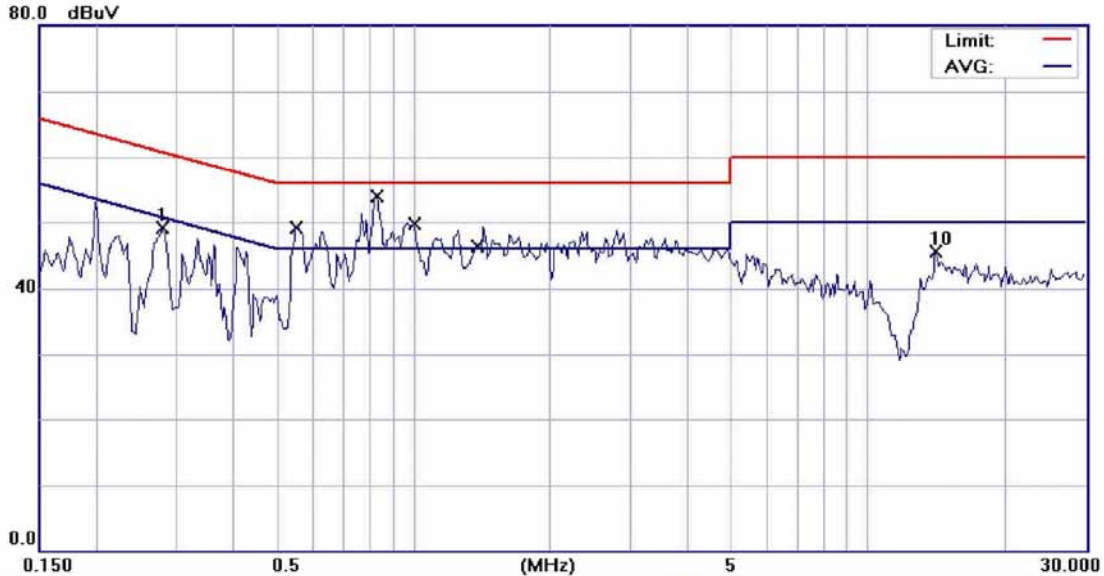
Site SGS CONDUCTED #1 Phase: **N** Temperature: 24 °C
 Limit: CISPR22/11/EN55022 Class B Power: AC 120V/60Hz Humidity: 60 %
 EUT: Pocket PC Phone Distance: Air Pressure: hpa
 M/N: HERO200
 Note: CDMA2000 1X Cellular Traffic Mode//1'st Adapter

No.	Mk.	Freq.	Reading Level	Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2850	43.43	0.11	43.54	60.67	-17.13	peak	
2		0.5629	45.10	0.08	45.18	56.00	-10.82	QP	
3		0.5629	33.89	0.08	33.97	46.00	-12.03	AVG	
4	*	0.8222	49.39	0.09	49.48	56.00	-6.52	QP	
5		0.8222	35.78	0.09	35.87	46.00	-10.13	AVG	
6		0.9842	45.00	0.10	45.10	56.00	-10.90	QP	
7		0.9842	33.32	0.10	33.42	46.00	-12.58	AVG	
8		1.6393	44.17	0.12	44.29	56.00	-11.71	QP	
9		1.6393	30.72	0.12	30.84	46.00	-15.16	AVG	
10		15.8600	44.17	0.39	44.56	60.00	-15.44	peak	

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AC POWER LINE CONDUCTED EMISSION TEST DATA

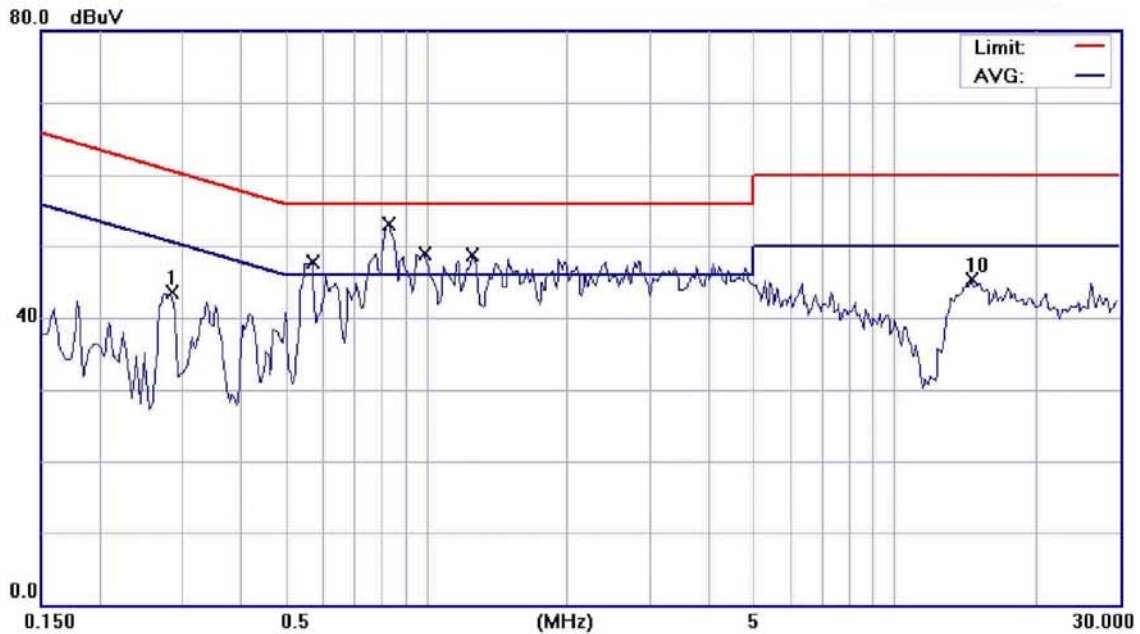
Operation Mode:	CDMA 2000 PCS Link		Test Date:	Jun. 02, 2009	
Temperature:	24	Humidity:	60 %	Test By:	Jason



Site	SGS CONDUCTED #1	Phase:	L1	Temperature:	24 °C
Limit:	CISPR22/11/EN55022 Class B	Power:	AC 120V/60Hz	Humidity:	60 %
EUT:	Pocket PC Phone	Distance:		Air Pressure:	hpa
M/N:	HERO200				
Note:	CDMA2000 1X PCS Traffic Mode//1'st Adapter				

No.	Mk.	Freq.	Reading Level	Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2800	48.93	0.10	49.03	60.82	-11.79	peak	
2		0.5573	47.55	0.07	47.62	56.00	-8.38	QP	
3		0.5573	38.54	0.07	38.61	46.00	-7.39	AVG	
4	*	0.8310	51.56	0.08	51.64	56.00	-4.36	QP	
5		0.8310	39.13	0.08	39.21	46.00	-6.79	AVG	
6		0.9849	45.94	0.09	46.03	56.00	-9.97	QP	
7		0.9849	34.30	0.09	34.39	46.00	-11.61	AVG	
8		1.3853	44.75	0.11	44.86	56.00	-11.14	QP	
9		1.3853	33.02	0.11	33.13	46.00	-12.87	AVG	
10		14.1200	45.01	0.41	45.42	60.00	-14.58	peak	

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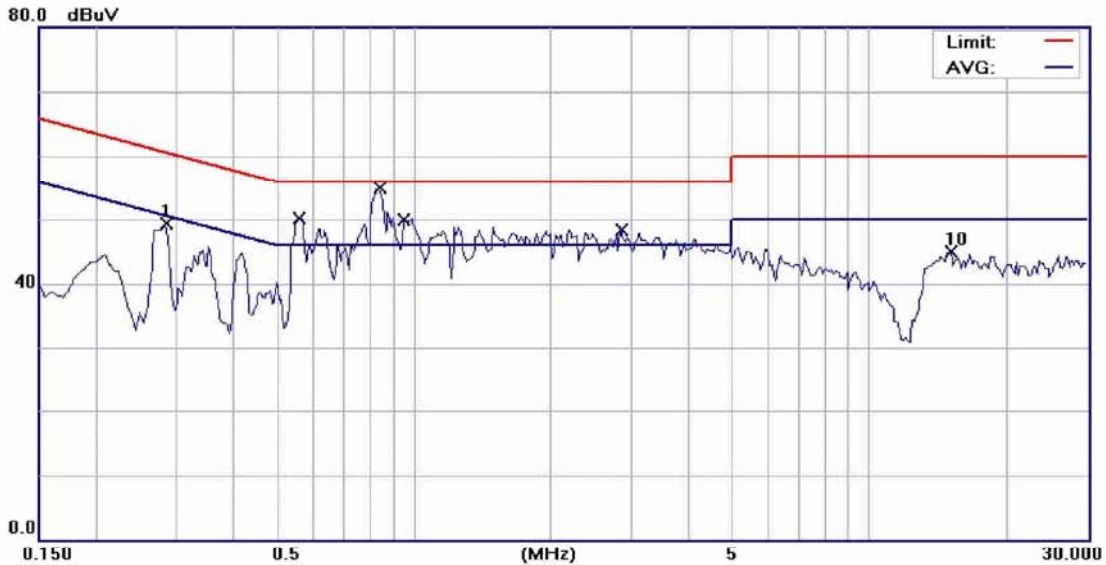
Site SGS CONDUCTED #1 Phase: **N** Temperature: 24 °C
 Limit: CISPR22/11/EN55022 Class B Power: AC 120V/60Hz Humidity: 60 %
 EUT: Pocket PC Phone Distance: Air Pressure: hpa
 M/N: HERO200
 Note: CDMA2000 1X PCS Traffic Mode//1'st Adapter

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2850	43.45	0.11	43.56	60.67	-17.11	peak	
2		0.5610	45.26	0.08	45.34	56.00	-10.66	QP	
3		0.5610	34.55	0.08	34.63	46.00	-11.37	AVG	
4	*	0.8360	50.78	0.09	50.87	56.00	-5.13	QP	
5		0.8360	37.54	0.09	37.63	46.00	-8.37	AVG	
6		0.9754	45.38	0.10	45.48	56.00	-10.52	QP	
7		0.9754	34.96	0.10	35.06	46.00	-10.94	AVG	
8		1.2301	44.30	0.11	44.41	56.00	-11.59	QP	
9		1.2301	29.37	0.11	29.48	46.00	-16.52	AVG	
10		14.6400	44.84	0.42	45.26	60.00	-14.74	peak	

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AC POWER LINE CONDUCTED EMISSION TEST DATA

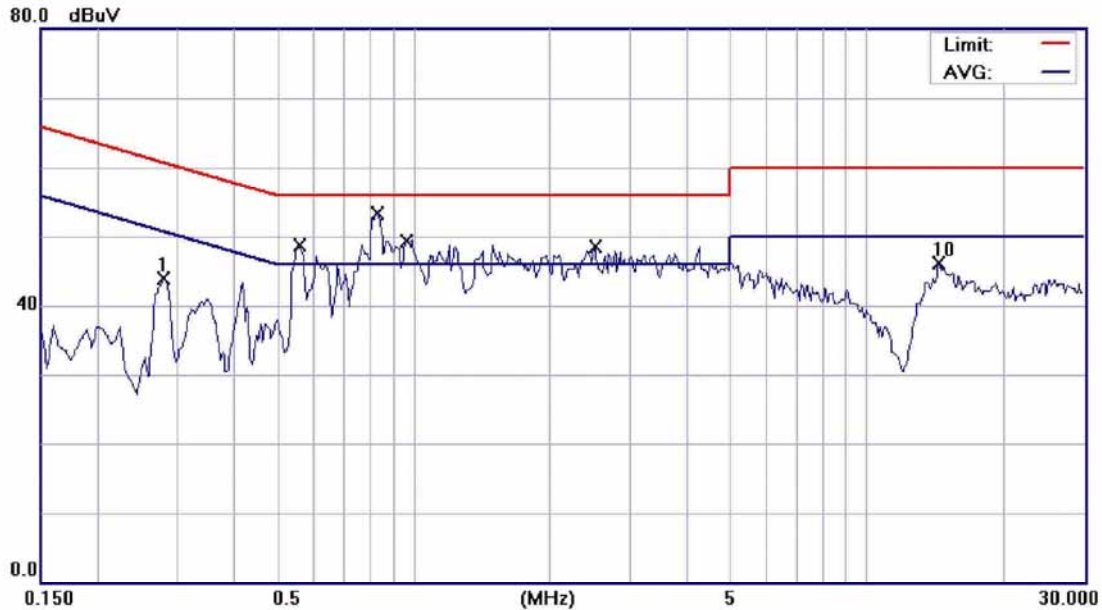
Operation Mode:	CDMA 2000 EVDO Cellular LINK		Test Date:	Jun. 02, 2009	
Temperature:	24	Humidity:	60 %	Test By:	Jason



Site: SGS CONDUCTED #1 Phase: L1 Temperature: 24 °C
 Limit: CISPR22/11/EN55022 Class B Power: AC 120V/60Hz Humidity: 60 %
 EUT: Pocket PC Phone Distance: Air Pressure: hpa
 M/N: HERO200
 Note: CDMA2000 EVDO Cellular Traffic Mode//1'st Adapter

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2850	49.30	0.10	49.40	60.67	-11.27	peak	
2		0.5550	47.73	0.07	47.80	56.00	-8.20	QP	
3		0.5550	36.47	0.07	36.54	46.00	-9.46	AVG	
4	*	0.8343	52.12	0.08	52.20	56.00	-3.80	QP	
5		0.8343	40.22	0.08	40.30	46.00	-5.70	AVG	
6		0.9573	46.41	0.09	46.50	56.00	-9.50	QP	
7		0.9573	34.71	0.09	34.80	46.00	-11.20	AVG	
8		2.8733	41.26	0.14	41.40	56.00	-14.60	QP	
9		2.8733	28.99	0.14	29.13	46.00	-16.87	AVG	
10		15.1400	44.41	0.40	44.81	60.00	-15.19	peak	

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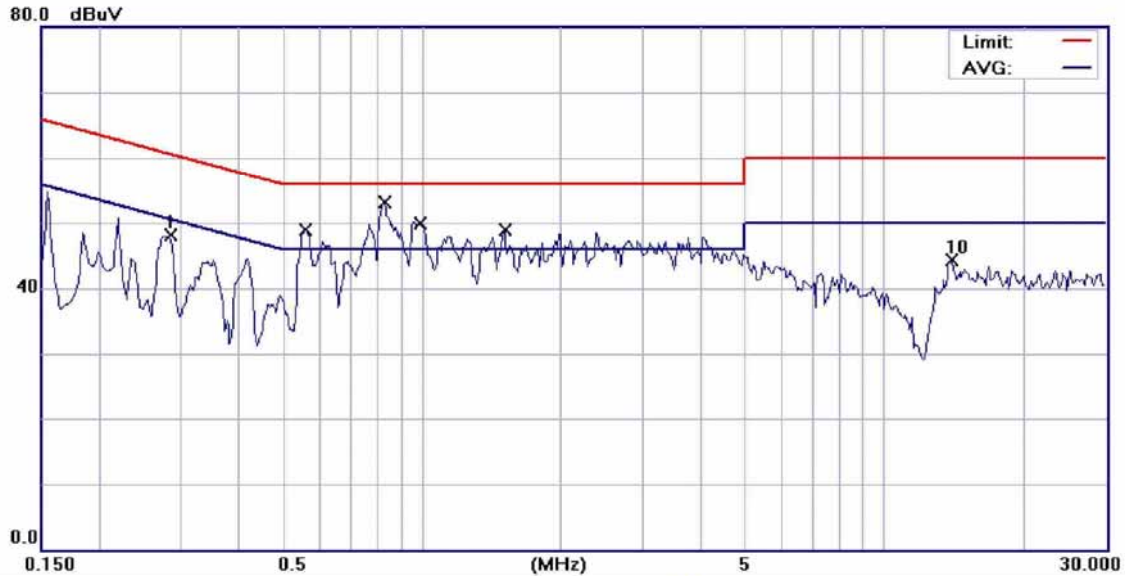
Site SGS CONDUCTED #1 Phase: **N** Temperature: 24 °C
 Limit: CISPR22/11/EN55022 Class B Power: AC 120V/60Hz Humidity: 60 %
 EUT: Pocket PC Phone Distance: Air Pressure: hpa
 M/N: HERO200
 Note: CDMA2000 EVDO Cellular Traffic Mode//1'st Adapter

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2800	43.71	0.11	43.82	60.82	-17.00	peak	
2		0.5623	45.10	0.08	45.18	56.00	-10.82	QP	
3		0.5623	32.32	0.08	32.40	46.00	-13.60	AVG	
4	*	0.8320	49.45	0.09	49.54	56.00	-6.46	QP	
5		0.8320	36.30	0.09	36.39	46.00	-9.61	AVG	
6		0.9722	45.02	0.10	45.12	56.00	-10.88	QP	
7		0.9722	31.35	0.10	31.45	46.00	-14.55	AVG	
8		2.5087	43.06	0.14	43.20	56.00	-12.80	QP	
9		2.5087	30.30	0.14	30.44	46.00	-15.56	AVG	
10		14.4000	45.66	0.42	46.08	60.00	-13.92	peak	

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AC POWER LINE CONDUCTED EMISSION TEST DATA

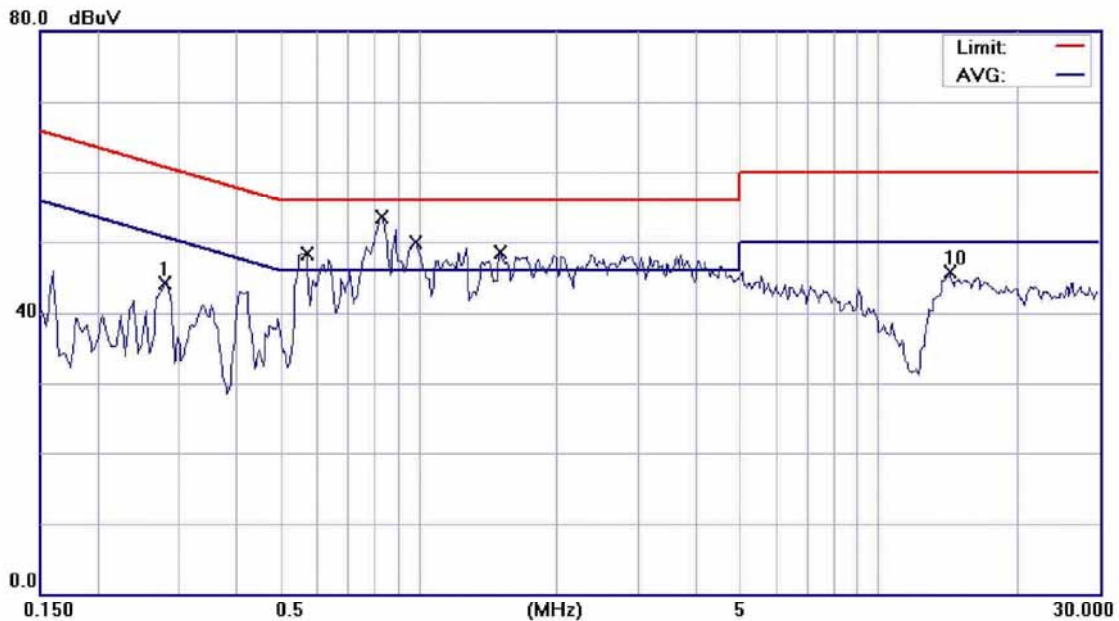
Operation Mode:	CDMA 2000 EVDO PCS LINK		Test Date:	Jun. 02, 2009	
Temperature:	24	Humidity:	60 %	Test By:	Jason



Site SGS CONDUCTED #1 Phase: **L1** Temperature: 24 °C
 Limit: CISPR22/11/EN55022 Class B Power: AC 120V/60Hz Humidity: 60 %
 EUT: Pocket PC Phone Distance: Air Pressure: hpa
 M/N: HERO200
 Note: CDMA2000 EVDO PCS Traffic Mode//1'st Adapter

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2850	48.00	0.10	48.10	60.67	-12.57	peak	
2		0.5581	47.26	0.07	47.33	56.00	-8.67	QP	
3		0.5581	37.67	0.07	37.74	46.00	-8.26	AVG	
4	*	0.8390	51.54	0.08	51.62	56.00	-4.38	QP	
5		0.8390	39.28	0.08	39.36	46.00	-6.64	AVG	
6		0.9742	46.13	0.09	46.22	56.00	-9.78	QP	
7		0.9742	33.01	0.09	33.10	46.00	-12.90	AVG	
8		1.5012	45.66	0.11	45.77	56.00	-10.23	QP	
9		1.5012	31.16	0.11	31.27	46.00	-14.73	AVG	
10		14.0600	43.85	0.41	44.26	60.00	-15.74	peak	

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Site: SGS CONDUCTED #1
 Limit: CISPR22/11/EN55022 Class B
 EUT: Pocket PC Phone
 M/N: HERO200
 Note: CDMA2000 EVDO PCS Traffic Mode//1'st Adapter

Phase: **N**
 Power: AC 120V/60Hz
 Distance:

Temperature: 24 °C
 Humidity: 60 %
 Air Pressure: hpa

No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2800	44.08	0.11	44.19	60.82	-16.63	peak	
2		0.5627	45.16	0.08	45.24	56.00	-10.76	QP	
3		0.5627	33.04	0.08	33.12	46.00	-12.88	AVG	
4	*	0.8309	51.45	0.09	51.54	56.00	-4.46	QP	
5		0.8309	38.95	0.09	39.04	46.00	-6.96	AVG	
6		0.9728	45.16	0.10	45.26	56.00	-10.74	QP	
7		0.9728	32.75	0.10	32.85	46.00	-13.15	AVG	
8		1.4937	43.03	0.11	43.14	56.00	-12.86	QP	
9		1.4937	31.22	0.11	31.33	46.00	-14.67	AVG	
10		14.2600	45.21	0.42	45.63	60.00	-14.37	peak	

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