



FCC TEST REPORT

for

47 CFR Part 22H, 24E

Equipment : Mobile Text Device
Model No. : D00111
FCC ID : UUU-L7E20070323
Uplink Frequency Range : CDMA2000 Cellular 850 : 824~849 MHz
CDMA2000 PCS 1900 : 1850~1910 MHz
Downlink Frequency Range : CDMA2000 Cellular 850 : 869~894 MHz
CDMA2000 PCS 1900 : 1930~1990 MHz
Max. ERP/EIRP Power : CDMA2000 Cellular 850 : 0.01 W
CDMA2000 PCS 1900 : 0.42 W
Emission Designator : 1M25F9W
Applicant : **Payne LLC**
The Neumours Bldg., Suite 1414 Wilmington, Delaware 19801

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- The data shown in this test report were carried out on Jul. 08, 2007 at **Sporton International Inc. LAB.**
- Report No.: FG661611-04, Report Version: Rev. 01.

Roy Wu
Manager

SPORTON International Inc.

6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.



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Appendix C – Setup Photographs

Appendix D – CDMA2000 1xRTT and 1xEV-DO Test Modes



History of this test report

Report Issue Date: Jul. 09, 2007

Report No.	Description



1. General Information

1.1. Applicant

Payne LLC

The Neumours Bldg., Suite 1414 Wilmington, Delaware 19801

1.2 Manufacturer

Hon Hai Precision Ind. Co., Ltd.

4F, No. 2, ZihYou St., Tu-Cheng City, Taipei County 236, Taiwan

1.3 Basic Description of Equipment under Test

Equipment : Mobile Text Device

Model No. : D00111

FCC ID : UUU-L7E20070323

Power Supply Type : Switching

AC Power Cord : AC 120V, Wall-mount, 1.6 meter, 2 pin

**1.4 Feature of Equipment under Test**

DUT Type :	Mobile Text Device
Model Name :	D00111
FCC ID :	UUU-L7E20070323
Tx Frequency :	CDMA2000 Cellular 850 : 824 ~ 849 MHz CDMA2000 PCS 1900 : 1850 ~ 1910 MHz
Rx Frequency :	CDMA2000 Cellular 850 : 869 ~ 894 MHz CDMA2000 PCS1900 : 1930 ~ 1990 MHz
Maximum Output Power :	CDMA2000 Cellular 850 (1xRTT) FCH_RC1 : 25.80 dBm FCH_RC3 : 25.89 dBm FCH+SCH_RC3 : 25.91 dBm CDMA2000 Cellular 850 (1xEV-DO) 9.6Kbps : 25.06 dBm 38.4Kbps : 25.07 dBm 153.6Kbps : 25.34 dBm CDMA2000 PCS1900 (1xRTT) FCH_RC1 : 25.81 dBm FCH_RC3 : 25.85 dBm FCH+SCH_RC3 : 25.81 dBm CDMA2000 PCS1900 (1xEV-DO) 9.6Kbps : 25.20 dBm 38.4Kbps : 25.24 dBm 153.6Kbps : 25.33 dBm
Maximum ERP/EIRP :	CDMA2000 Cellular 850 : 0.00 W (3.05 dBm) for 1xRTT 0.01 W (7.96 dBm) for 1xEV-DO CDMA2000 PCS1900 : 0.39 W (25.93 dBm) for 1xRTT 0.42 W (26.19 dBm) for 1xEV-DO
Antenna Type :	Fixed Internal
Power Rating (DC/AC, Voltage and Current of RF element or PA) :	DC 5V / 2A
Digital Modulation Emission :	QPSK
Type of Emission :	1M25F9W
Device Power Class :	CDMA2000 Cellular 850 : 3 CDMA2000 PCS1900 : 2
DUT Stage :	Identical Prototype

1.5 Report Date

EUT Received : Jun. 29, 2007

Report Date : Jul. 09, 2007

2 Test Configuration of Equipment under Test

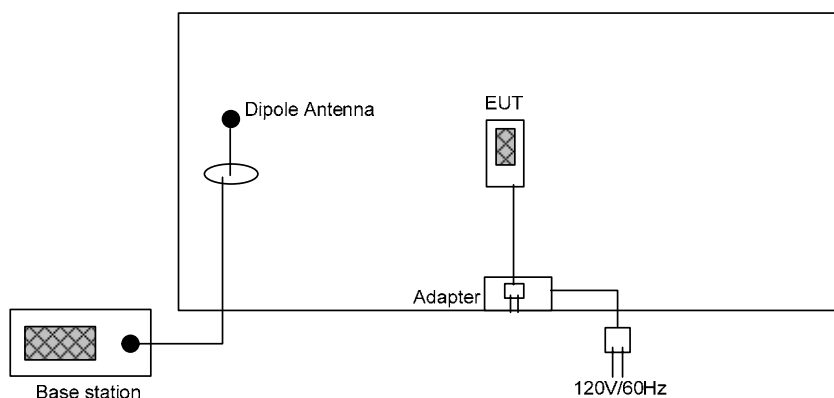
2.1 Test Manner

- The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range.
- During all testings, EUT is in link mode with base station emulator at maximum power level.
- Frequency range investigated: radiated emission 30 MHz to 9000 MHz for CDMA2000 Cellular 850; 30MHz to 19000 MHz for CDMA2000 PCS 1900.

2.2 Test Mode

Application	CDMA2000 Cellular 850	CDMA2000 PCS 1900
Radiated Emission	<input checked="" type="checkbox"/> Mode 1: 1xRTT Link Mode_CH1013	<input checked="" type="checkbox"/> Mode 4: 1xRTT Link Mode_CH25
	<input checked="" type="checkbox"/> Mode 2: 1xRTT Link Mode_CH384	<input checked="" type="checkbox"/> Mode 5: 1xRTT Link Mode_CH600
	<input checked="" type="checkbox"/> Mode 3: 1xRTT Link Mode_CH777	<input checked="" type="checkbox"/> Mode 6: 1xRTT Link Mode_CH1175
Conducted Measurement	<input checked="" type="checkbox"/> Mode 1: 1xRTT Link Mode	<input checked="" type="checkbox"/> Mode 3: 1xRTT Link Mode
	<input checked="" type="checkbox"/> Mode 2: 1xEV-DO Link Mode	<input checked="" type="checkbox"/> Mode 4: 1xEV-DO Link Mode

2.3 Connection Diagram of Test System



2.4 Ancillary Equipment List

Item	Equipment	Trade Name	Model No.	FCC ID	Serial No.
1.	Base Station	R & S	CMU 200	N/A	N/A



3. General Information of Test Site

Test Site Location : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park,
Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
TEL : 886-3-327-3456
FAX : 886-3-318-0055

Test Site No : 03CH06-HY

The chamber meets the characteristics of ANSI C63.4-2003. This site is on file with the FCC. The Industry Canada file number for this site is IC 4088.

3.1 Test Voltage

120V/ 60Hz

3.2 Test in Compliance with

47 CFR Part 22H, 24E, Part 2

3.3 Frequency Range Investigated

- a. Radiation: from 30MHz to 9000MHz for CDMA2000 Cellular 850.
- b. Radiation: from 30 MHz to 19000 MHz for CDMA2000 PCS 1900.

3.4 Test Distance

The test distance of radiated emission from antenna to EUT is 3 m.



4. Test Data and Test Result

4.1 List of Measurements and Examinations

FCC Rule	DESCRIPTION OF TEST	Result	Section
§2.1046	RF Output Power	Passed	4.2
§ 22.913 §24.232	ERP / EIRP	Passed	4.3
§2.1049, § 22.917, § 24.238(b)	Occupied Bandwidth & Band Edge Measurement	Passed	4.4
§2.1051	Conducted Emission	Passed	4.5
§2.1053	Field Strength of Spurious Radiation	Passed	4.6
§2.1055, § 22.355, §24.235	Frequency Stability vs. Temperature	Passed	4.7
§2.1055, §22.355, §24.235	Frequency Stability vs. Voltage	Passed	4.8

4.2 RF Output Power

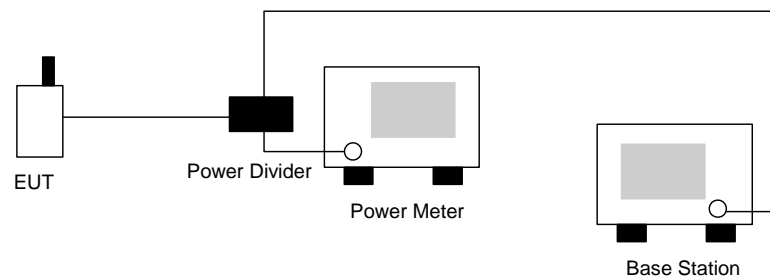
4.2.1 Measurement Instruments :

As described in chapter 5 of this test report.

4.2.2 Test Procedure :

1. The transmitter output was connected to power meter and base station through power divider.
2. Set EUT maximum power through base station.
3. Select lowest, middle, and highest channels for each band.

4.2.3 Test Setup Layout :



4.2.4 Test Result :

Bands	Test Mode	Test Status	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watts)
CDMA2000 Cellular 850	CDMA 1xRTT	FCH_RC1	1013	824.70 (Low)	25.71	0.37
			384	836.52 (Mid)	25.80	0.38
			777	848.31 (High)	25.50	0.35
		FCH_RC3	1013	824.70 (Low)	25.76	0.38
			384	836.52 (Mid)	25.89	0.39
			777	848.31 (High)	25.56	0.36
		FCH+SCH_RC3	1013	824.70 (Low)	25.76	0.38
			384	836.52 (Mid)	25.91	0.39
			777	848.31 (High)	25.56	0.36
	CDMA 1xEV-DO	EVDO-UL: 9.6Kbps	1013	824.70 (Low)	24.82	0.30
			384	836.52 (Mid)	24.98	0.31
			777	848.31 (High)	25.06	0.32
		EVDO-UL: 38.4Kbps	1013	824.70 (Low)	24.89	0.31
			384	836.52 (Mid)	24.98	0.31
			777	848.31 (High)	25.07	0.32
		EVDO-UL: 153.6Kbps	1013	824.70 (Low)	25.20	0.33
			384	836.52 (Mid)	25.34	0.34
			777	848.31 (High)	25.21	0.33
CDMA2000 PCS 1900	CDMA 1xRTT	FCH_RC1	25	1851.25 (Low)	25.81	0.38
			600	1880.00 (Mid)	25.69	0.37
			1177	1908.75 (High)	25.78	0.38
		FCH_RC3	25	1851.25 (Low)	25.85	0.38
			600	1880.00 (Mid)	25.62	0.36
			1177	1908.75 (High)	25.74	0.37
		FCH+SCH_RC1	25	1851.25 (Low)	25.70	0.37
			600	1880.00 (Mid)	25.75	0.38
			1177	1908.75 (High)	25.81	0.38
	CDMA 1xEV-DO	EVDO-UL: 9.6Kbps	25	1851.25 (Low)	24.93	0.31
			600	1880.00 (Mid)	25.20	0.33
			1177	1908.75 (High)	24.78	0.30
		EVDO-UL: 38.4Kbps	25	1851.25 (Low)	25.03	0.32
			600	1880.00 (Mid)	25.24	0.33
			1177	1908.75 (High)	24.85	0.31
		EVDO-UL: 153.6Kbps	25	1851.25 (Low)	25.25	0.33
			600	1880.00 (Mid)	25.33	0.34
			1177	1908.75 (High)	25.13	0.33

Note:

1. For cellular band 850, the worst case adopted as maximum output power 25.91dBm, is at CDMA 1xRTT, FCH+SCH_RC3.
2. For PCS band 1900, the worst case adopted as maximum output power 25.85dBm, is at CDMA 1xRTT, FCH_RC3.



4.3 ERP / EIRP Measurement

Equivalent isotropic radiated power measurements by substitution method according to ANSI/TIA/EIA-603-C.

4.3.1 Measurement Instruments

As described in chapter 5 of this test report.

4.3.2 Test Procedure

1. The EUT was placed on a rotatable table with 1.0 meter height in an fully anechoic chamber.
2. The EUT was set 1.2 meters from the receiving antenna which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiated power.
4. The height of the receiving antenna is also kept at 1.0M height.
5. Taking the record of maximum ERP/EIRP.
6. A dipole antenna was substituted in place of the EUT and was driven by a signal generator.
7. The conducted power at the terminal of the dipole antenna is measured.
8. Repeat step 3 to step 5 to get the maximum ERP/EIRP of the substitution antenna.
9. $ERP/EIRP = P_s + E_t - E_s + G_s = P_s + R_t - R_s + G_s$

P_s (dBm) : Input power to substitution antenna.

G_s (dBi or dBd) : Substitution antenna Gain.

$E_t = R_t + AF$

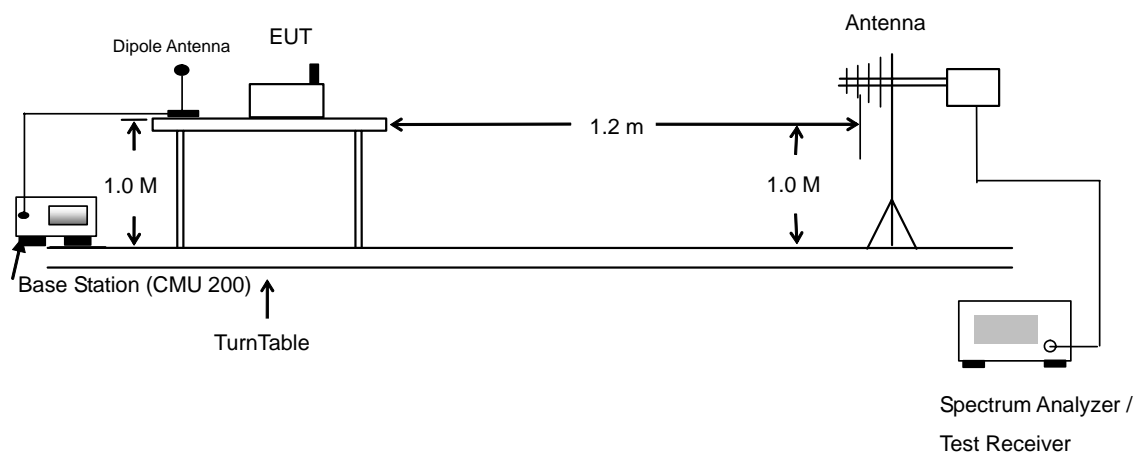
$E_s = R_s + AF$

AF (dB/m) : Receive antenna factor

R_t : The highest received signal in Spectrum Analyzer for EUT.

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

4.3.3 Test Setup Layout of ERP/EIRP





4.3.4 Test Result

CDMA2000 Cellular 850 1xRTT FCH+SCH_RC3 Radiated Power ERP						
Horizontal Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
824.20	-47.33	-48.12	0.00	-1.08	-0.29	0.00
836.40	-44.30	-48.28	0.00	-0.93	3.05	0.00
848.80	-45.62	-48.35	0.00	-0.76	1.97	0.00
Vertical Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
824.20	-49.42	-47.97	0.00	-1.08	-2.53	0.00
836.40	-44.98	-48.01	0.00	-0.93	2.10	0.00
848.80	-48.26	-48.05	0.00	-0.76	-0.97	0.00

CDMA2000 Cellular 850 1xEV-DO 153.6Kbps Radiated Power ERP						
Horizontal Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
824.20	-43.76	-48.12	0.00	-1.08	3.28	0.00
836.40	-43.48	-48.28	0.00	-0.93	3.87	0.00
848.80	-39.63	-48.35	0.00	-0.76	7.96	0.01
Vertical Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBd)	ERP (dBm)	ERP (W)
824.20	-46.78	-47.97	0.00	-1.08	0.11	0.00
836.40	-45.52	-48.01	0.00	-0.93	1.56	0.00
848.80	-44.40	-48.05	0.00	-0.76	2.89	0.00

**CDMA2000 PCS1900 1xRTT FCH_RC3 Radiated Power EIRP**

Horizontal Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBi)	EIRP (dBm)	EIRP (W)
1850.20	-27.91	-51.88	0.00	1.96	25.93	0.39
1880.00	-35.13	-52.99	0.00	2.00	19.86	0.10
1909.80	-34.03	-54.28	0.00	1.98	22.23	0.17
Vertical Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBi)	EIRP (dBm)	EIRP (W)
1850.20	-28.16	-52.13	0.00	1.96	25.93	0.39
1880.00	-33.71	-53.17	0.00	2.00	21.46	0.14
1909.80	-33.15	-54.13	0.00	1.98	22.96	0.20

CDMA2000 PCS1900 1xEV-DO 153.6Kbps Radiated Power EIRP

Horizontal Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBi)	EIRP (dBm)	EIRP (W)
1850.20	-27.75	-51.88	0.00	1.96	26.09	0.41
1880.00	-35.10	-52.99	0.00	2.00	19.89	0.10
1909.80	-33.97	-54.28	0.00	1.98	22.29	0.17
Vertical Polarization						
Frequency (MHz)	Rt (dBm)	Rs (dBm)	Ps (dBm)	Gs (dBi)	EIRP (dBm)	EIRP (W)
1850.20	-27.90	-52.13	0.00	1.96	26.19	0.42
1880.00	-34.15	-53.17	0.00	2.00	21.02	0.13
1909.80	-32.67	-54.13	0.00	1.98	23.44	0.22

4.4 Occupied Bandwidth and Band Edge Measurement

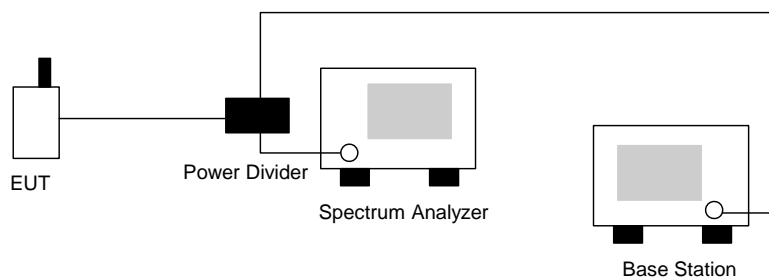
4.4.1 Measurement Instruments

As described in chapter 5 of this test report.

4.4.2 Test Procedure

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The 99% occupied bandwidth and 26 dB Bandwidth of middle channel for the highest RF powers were measured.
3. The bandedge of low and high channels for the highest RF powers within the transmitting frequency band were measured. Setting RBW as roughly BW/100.
4. The RBW was replaced 30KHz with 10KHz, due to the spectrum analyzer IF-Filter leading to an exceeding of the limit, a worst case correction factor of $10 \log (1\% \text{ Occupy Bandwidth} / \text{Measured RBW})$ was used.

4.4.3 Test Setup Layout



4.4.4 Test Data
Mode 1~2

Bands	Test Mode	Test Status	Channel	Frequency (MHz)	Measurement Value (dBm)	Correction Factor (dB)	Band Edge (dBm)
CDMA2000 Cellular 850	CDMA 1xRTT	FCH_RC1	1013	824.70 (Low)	-16.06	1.06	-15.00
			777	848.31 (High)	-14.96	1.06	-13.90
		FCH_RC3	1013	824.70 (Low)	-16.03	1.06	-14.97
			777	848.31 (High)	-15.74	1.06	-14.68
		FCH+SCH_RC3	1013	824.70 (Low)	-15.62	1.06	-14.56
			777	848.31 (High)	-15.55	1.06	-14.49
	CDMA 1xEV-DO	9.6Kbps	1013	824.70 (Low)	-16.36	1.06	-15.30
			777	848.31 (High)	-15.41	1.06	-14.35
		38.4Kbps	1013	824.70 (Low)	-15.96	1.06	-14.90
			777	848.31 (High)	-16.18	1.06	-15.12
		153.6Kbps	1013	824.70 (Low)	-15.46	1.06	-14.40
			777	848.31 (High)	-15.87	1.06	-14.81

Note:

*Occupancy Bandwidth = 1276.00KHz

*Correction Factor = $10 \cdot \log(1\% \text{ Occupancy Bandwidth} / \text{Measurement RBW})$
 $= 10 \cdot \log[(0.01 \cdot 1276.00\text{KHz}) / 10\text{KHz}]$
 $= 1.06 \text{ dB}$

*Band Edge = Measurement Value + Correction Factor

Mode 3~4

Bands	Test Mode	Test Status	Channel	Frequency (MHz)	Measurement Value (dBm)	Correction Factor (dB)	Band Edge (dBm)
CDMA2000 PCS 1900	CDMA 1xRTT	FCH_RC1	25	1851.25 (Low)	-25.12	1.04	-24.08
			1177	1908.75 (High)	-29.53	1.04	-28.49
		FCH_RC3	25	1851.25 (Low)	-25.82	1.04	-24.78
			1177	1908.75 (High)	-28.98	1.04	-27.94
		FCH+SCH_RC3	25	1851.25 (Low)	-25.22	1.04	-24.18
			1177	1908.75 (High)	-28.05	1.04	-27.01
	CDMA 1xEV-DO	9.6Kbps	25	1851.25 (Low)	-29.76	1.04	-28.72
			1177	1908.75 (High)	-23.65	1.04	-22.61
		38.4Kbps	25	1851.25 (Low)	-29.98	1.04	-28.94
			1177	1908.75 (High)	-26.88	1.04	-25.84
		153.6Kbps	25	1851.25 (Low)	-30.07	1.04	-29.03
			1177	1908.75 (High)	-27.26	1.04	-26.22

Note:

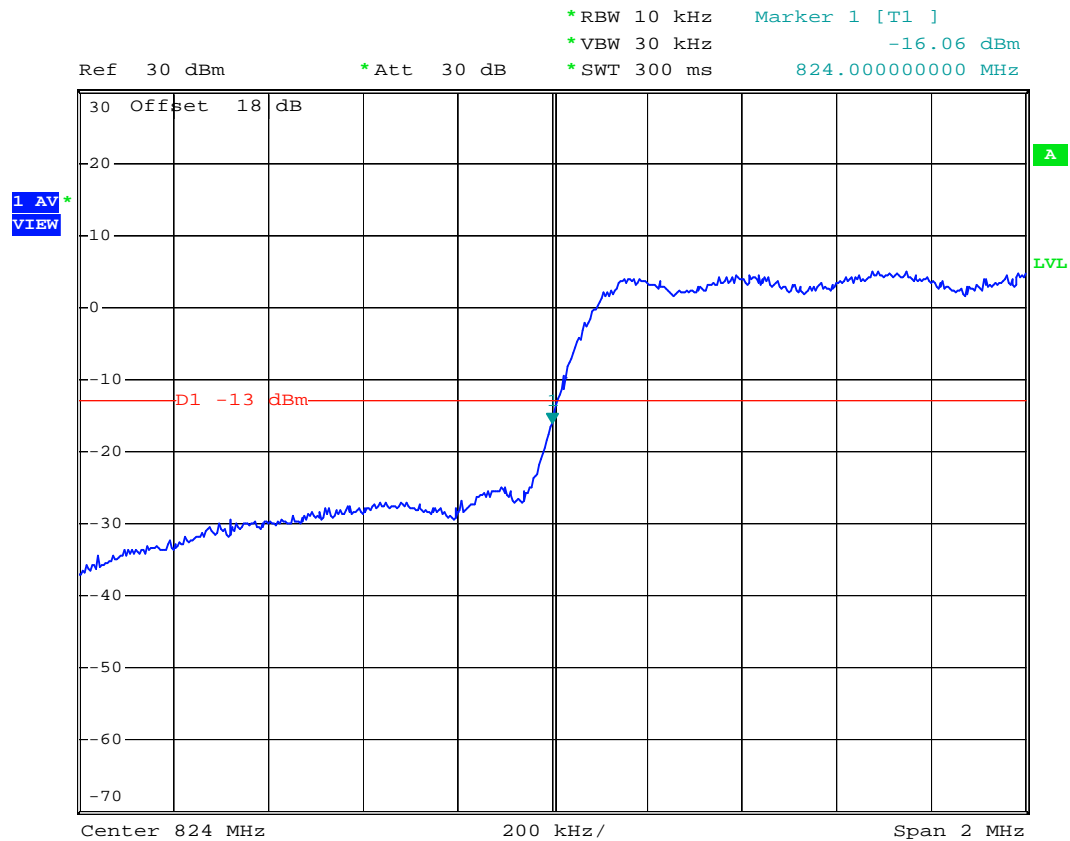
*Occupancy Bandwidth = 1272.00KHz

*Correction Factor = $10 \cdot \log(1\% \text{ Occupancy Bandwidth} / \text{Measurement RBW})$
 $= 10 \cdot \log[(0.01 \cdot 1272.00\text{KHz}) / 10\text{KHz}]$
 $= 1.04 \text{ dB}$

*Band Edge = Measurement Value + Correction Factor

**4.4.5 Test Result**

- Mode 1
- Test Mode : CDMA2000 Cellular 850 Band CH1013_FCH_RC1 Lower Band Edge for 1xRTT
- Power State : High



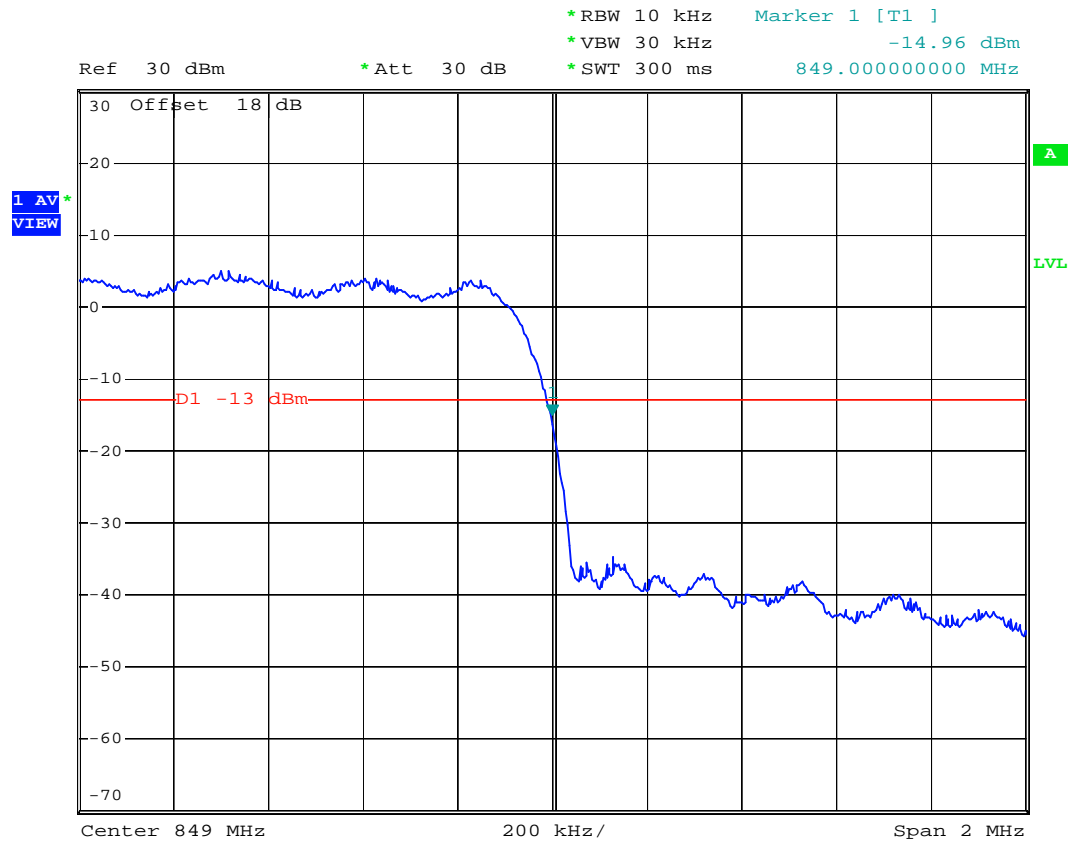
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FCC TEST REPORT

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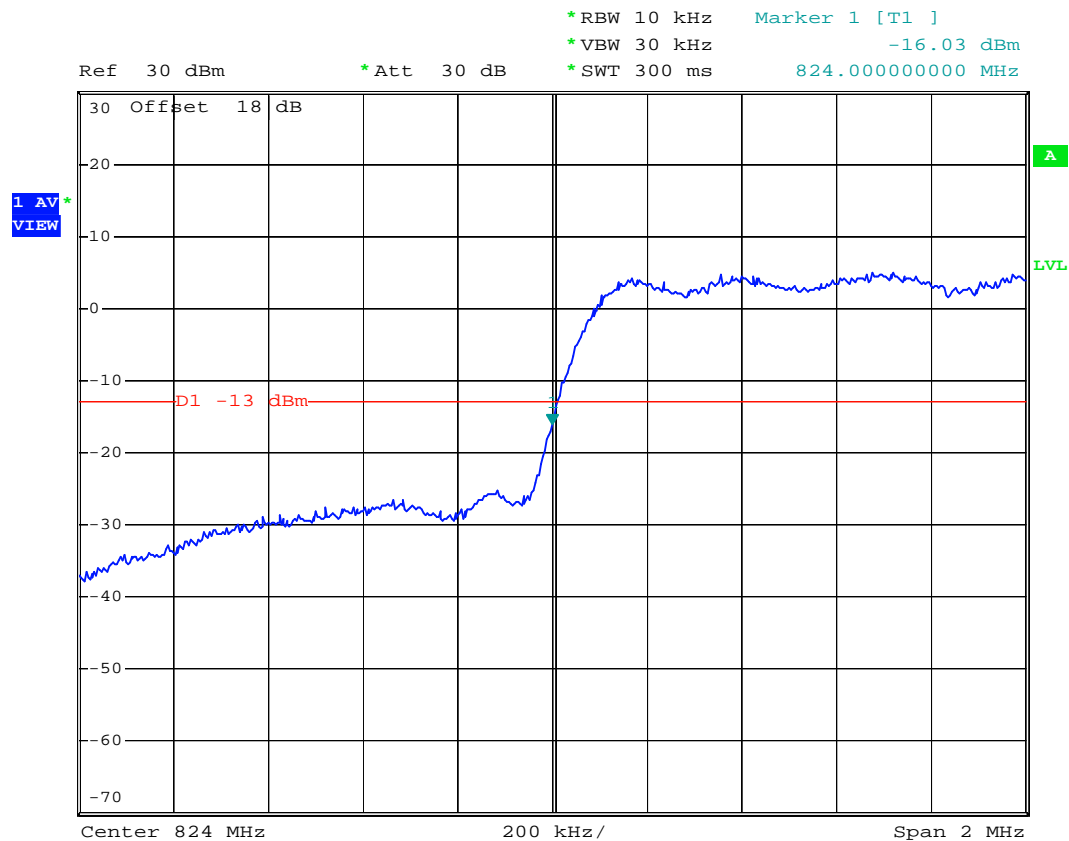
- Test Mode : CDMA2000 Cellular 850 CH777_FCH_RC1 Higher Band Edge for 1xRTT
- Power State : High



Date: 8.JUL.2007 06:25:49



- Test Mode : CDMA2000 Cellular 850 Band CH1013_FCH_RC3 Lower Band Edge for 1xRTT
- Power State : High



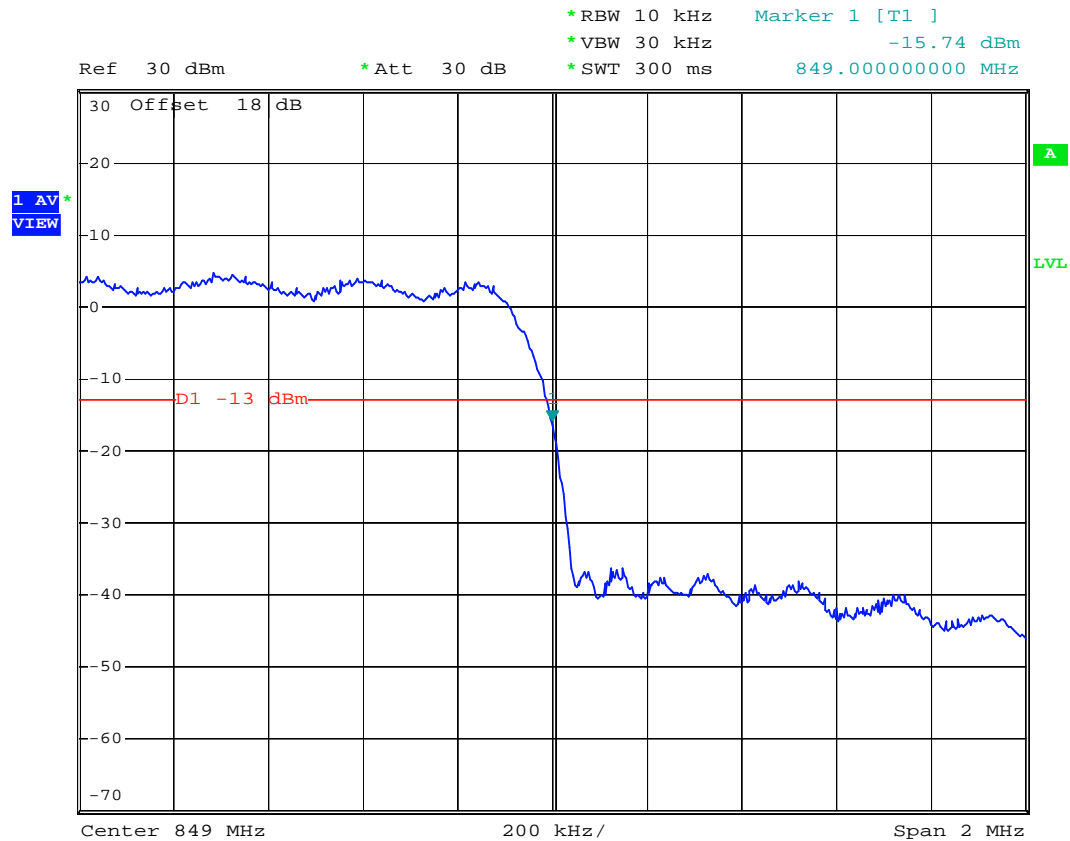
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FCC TEST REPORT

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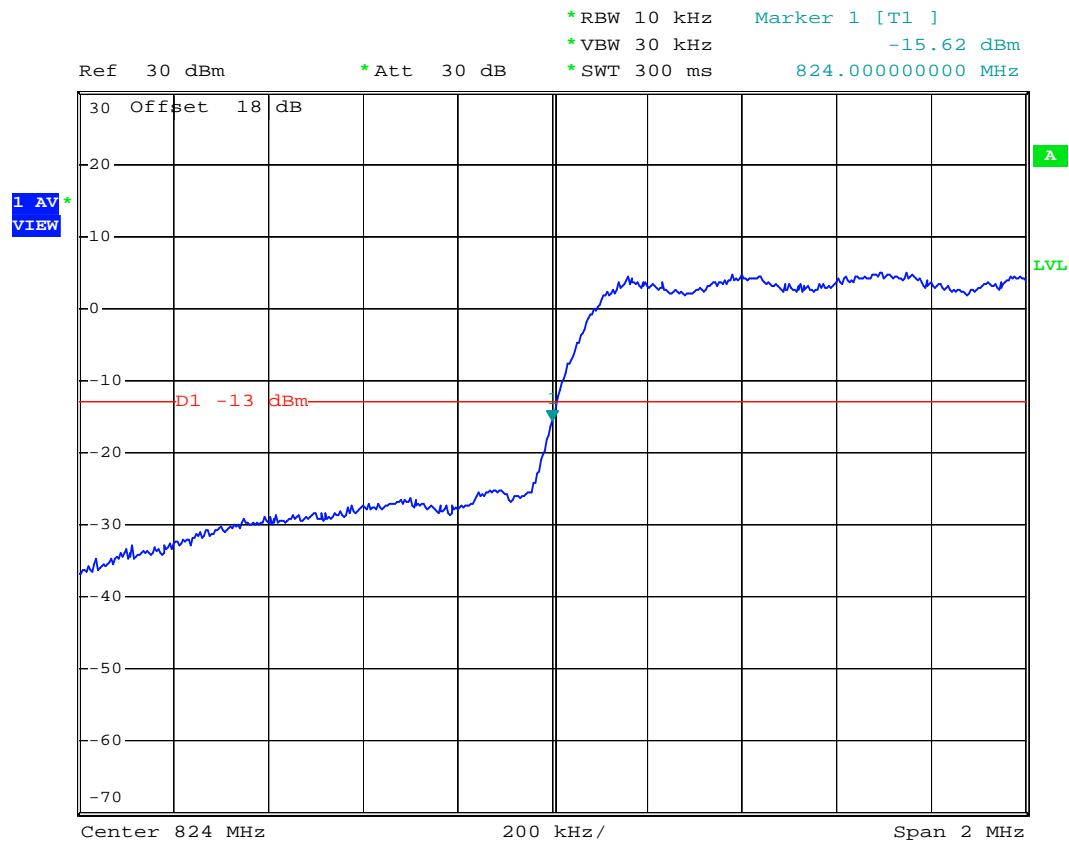
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- Power State : High



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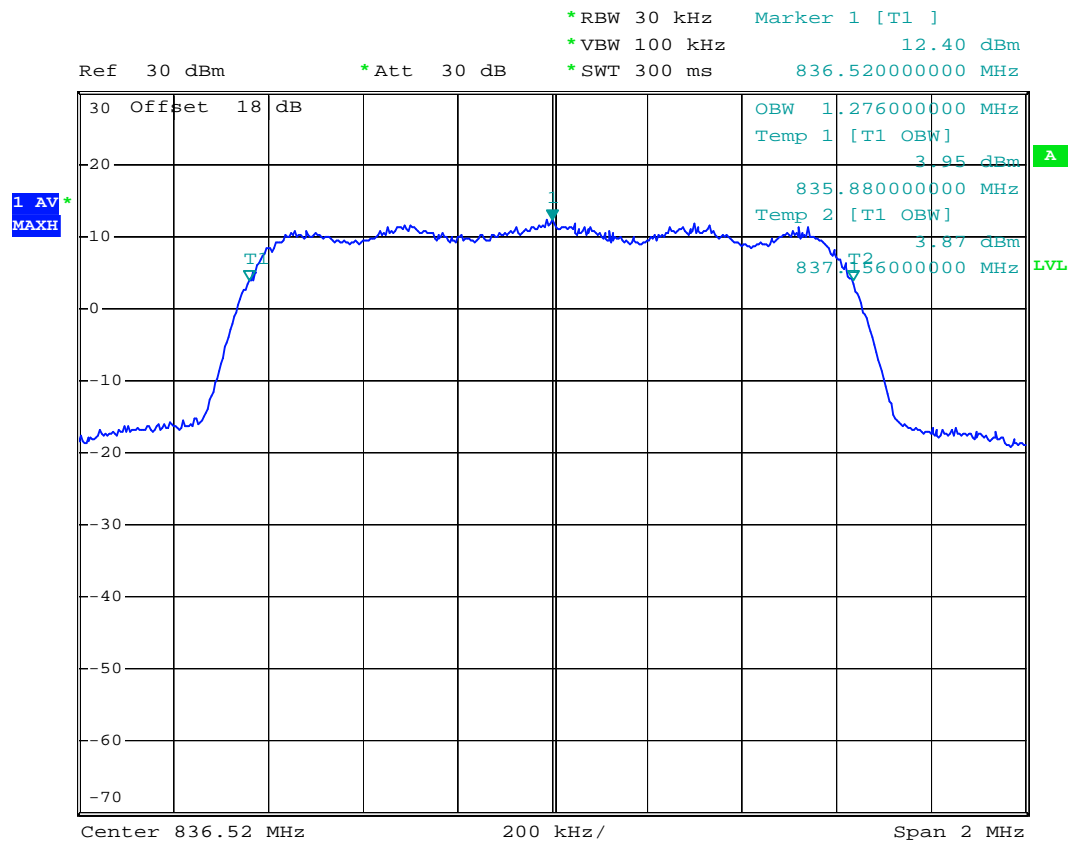
- Test Mode : CDMA2000 Cellular 850 Band CH1013_FCH+SCH_RC3 Lower Band Edge for 1xRTT
- Power State : High



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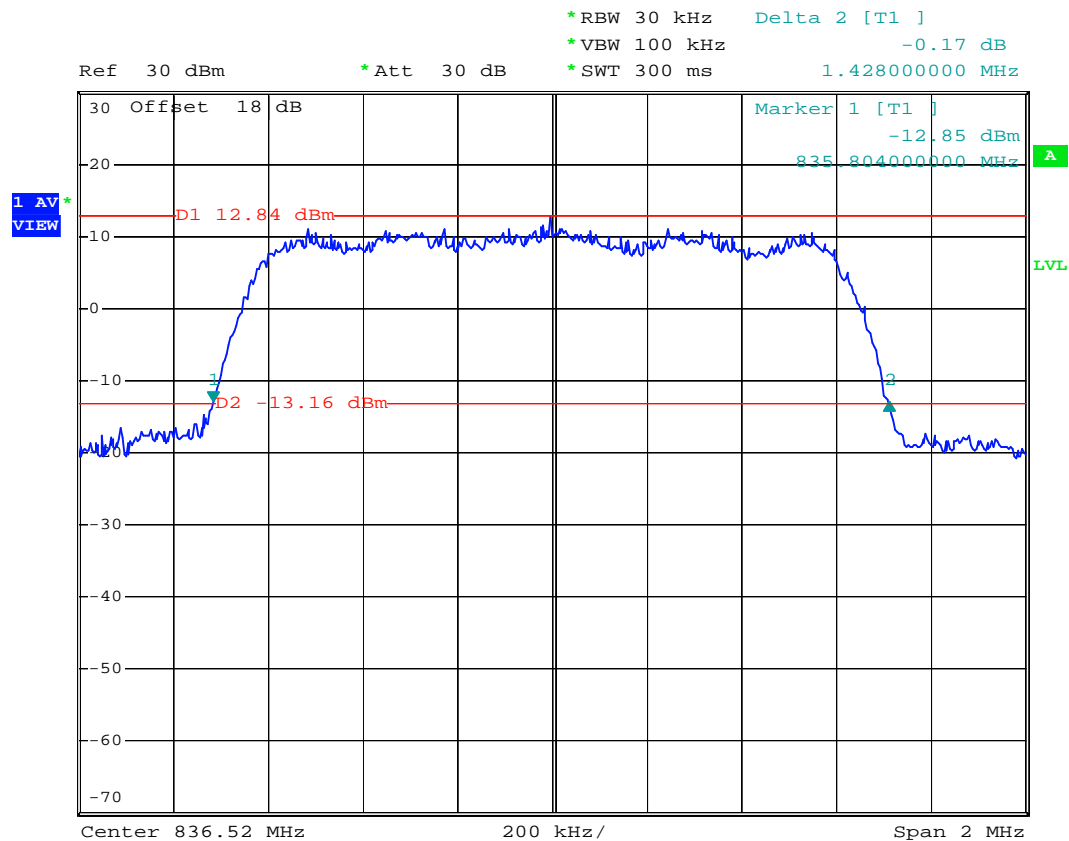
- Test Mode : CDMA2000 Cellular 850 CH384 99% Occupied Bandwidth for 1xRTT
- Power State : High



Date: 8.JUL.2007 09:52:48



- Test Mode : CDMA2000 Cellular 850 CH384 26 dB Bandwidth for 1xRTT
- Power State : High



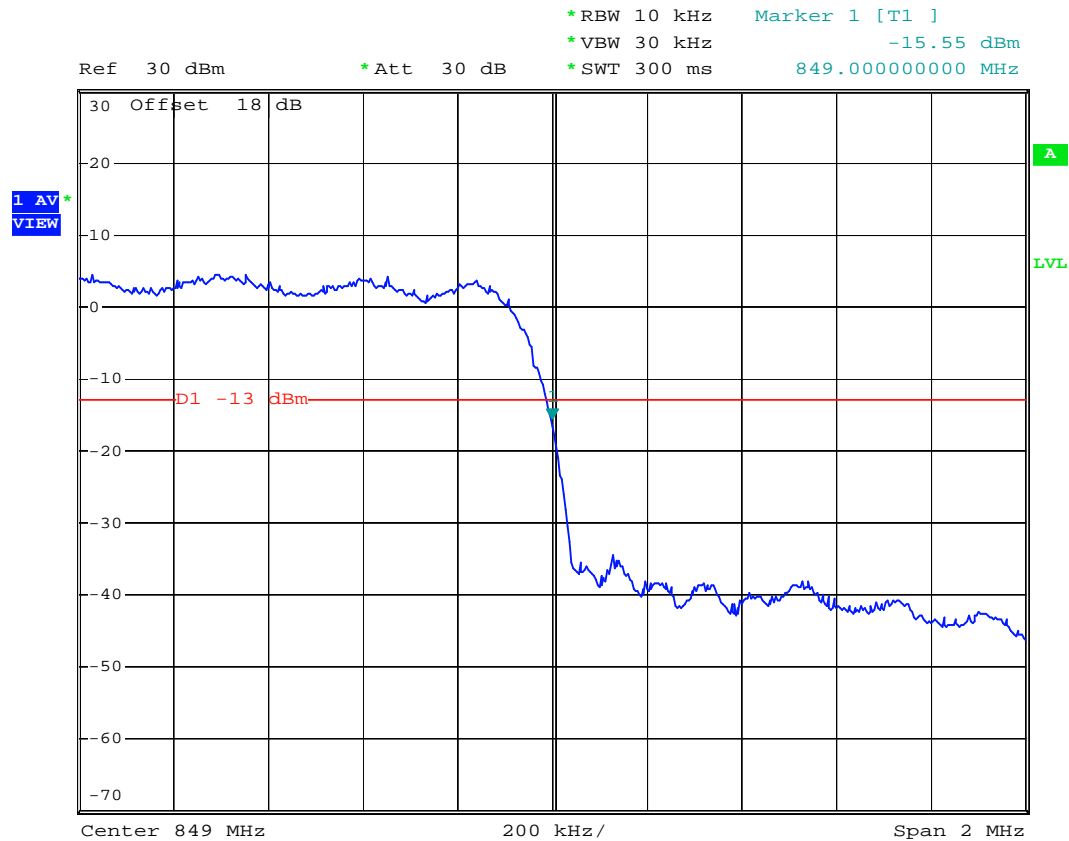
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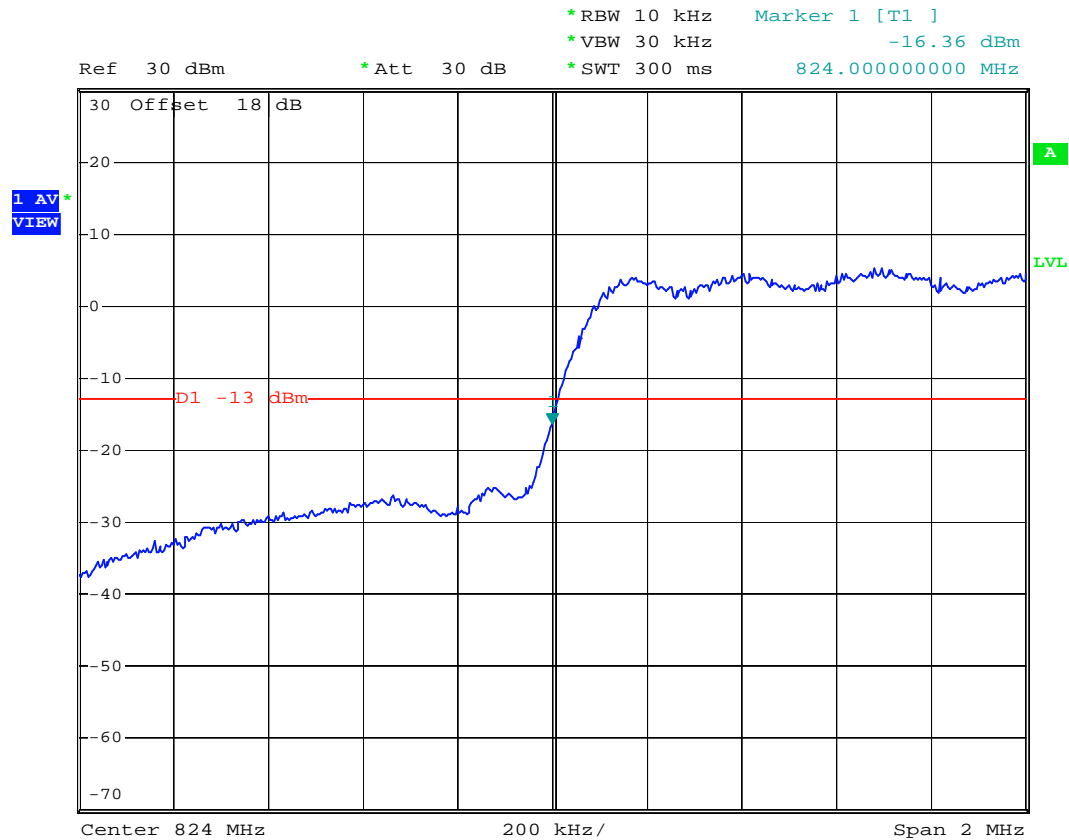
- Test Mode : CDMA2000 Cellular 850 CH777_FCH+SCH_RC3 Higher Band Edge for 1xRTT
- Power State : High



Date: 8.JUL.2007 06:25:00



- Mode 2
- Test Mode : CDMA2000 Cellular 850 CH1013_9.6Kbps Lower Band Edge for 1xEV-DO
- Power State : High



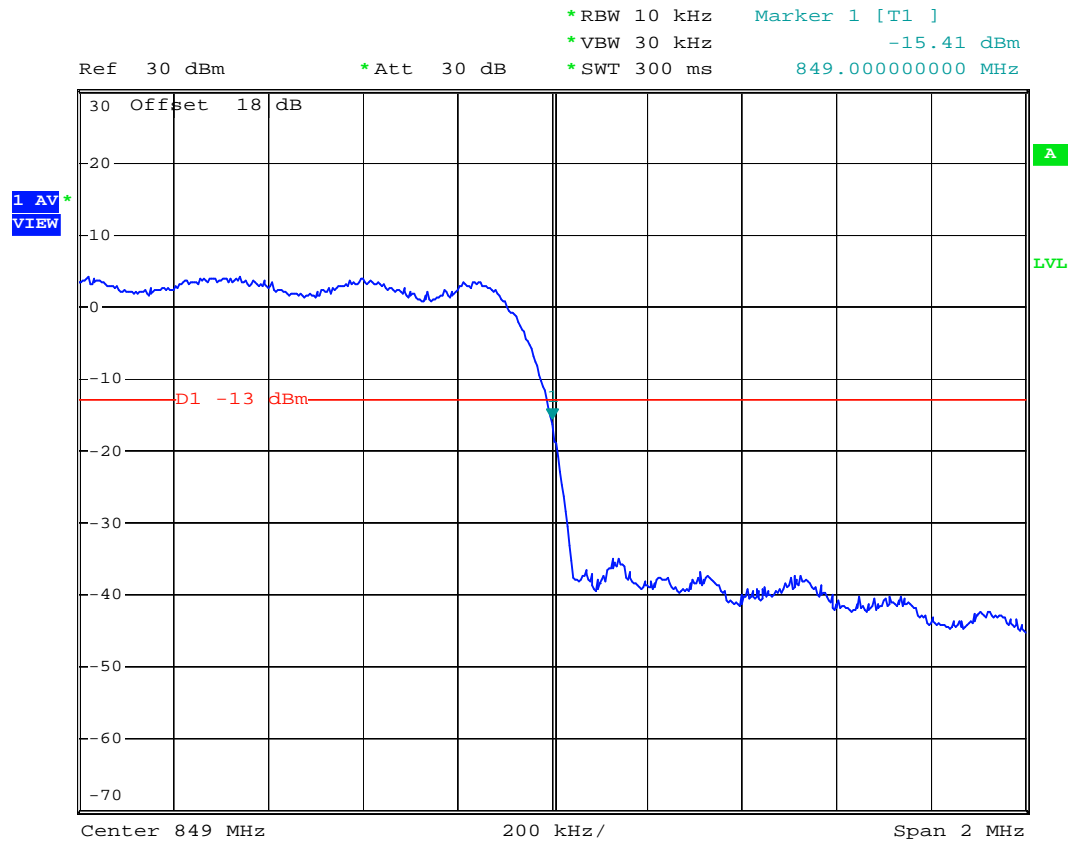
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FCC TEST REPORT

Report No. : FG661611-04

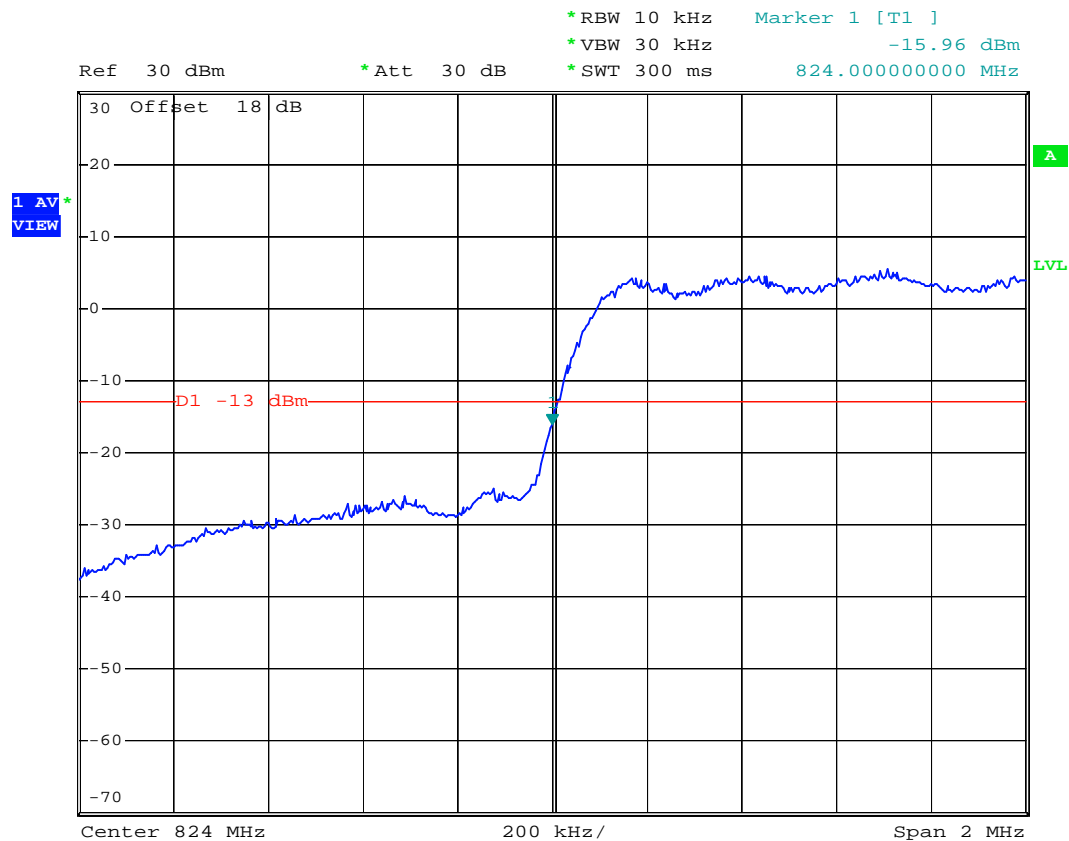
- Test Mode : CDMA2000 Cellular 850 CH777_9.6Kbps Higher Band Edge for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 06:07:39



- Test Mode : CDMA2000 Cellular 850 CH1013_38.4Kbps Lower Band Edge for 1xEV-DO
- Power State : High



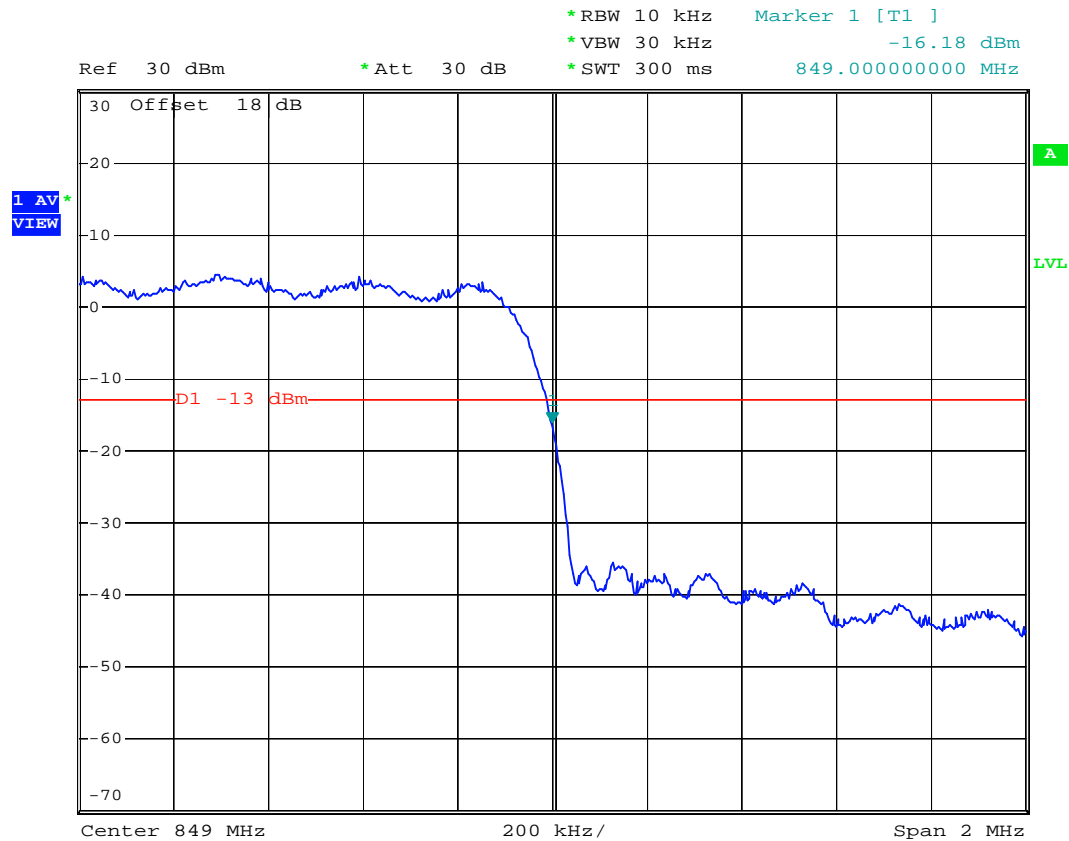
Date: 8.JUL.2007 06:05:32



FCC TEST REPORT

Report No. : FG661611-04

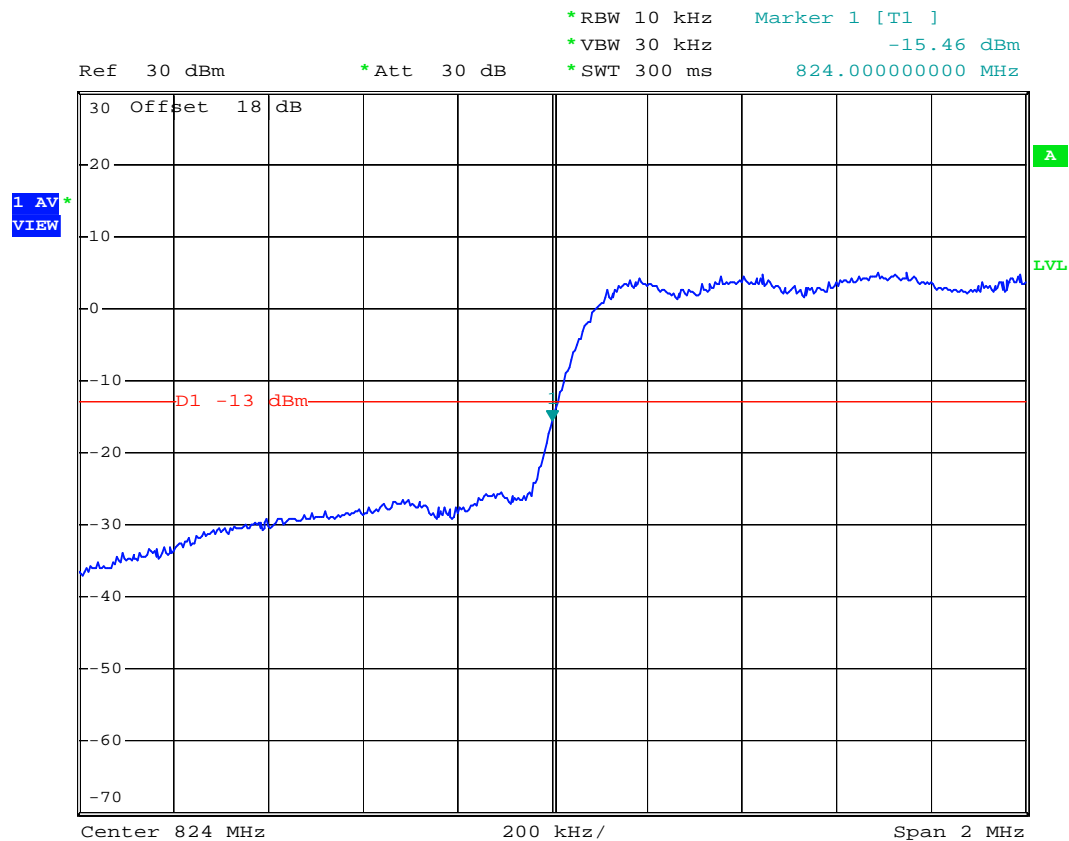
- Test Mode : CDMA2000 Cellular 850 CH777_38.4Kbps Higher Band Edge for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 06:08:38



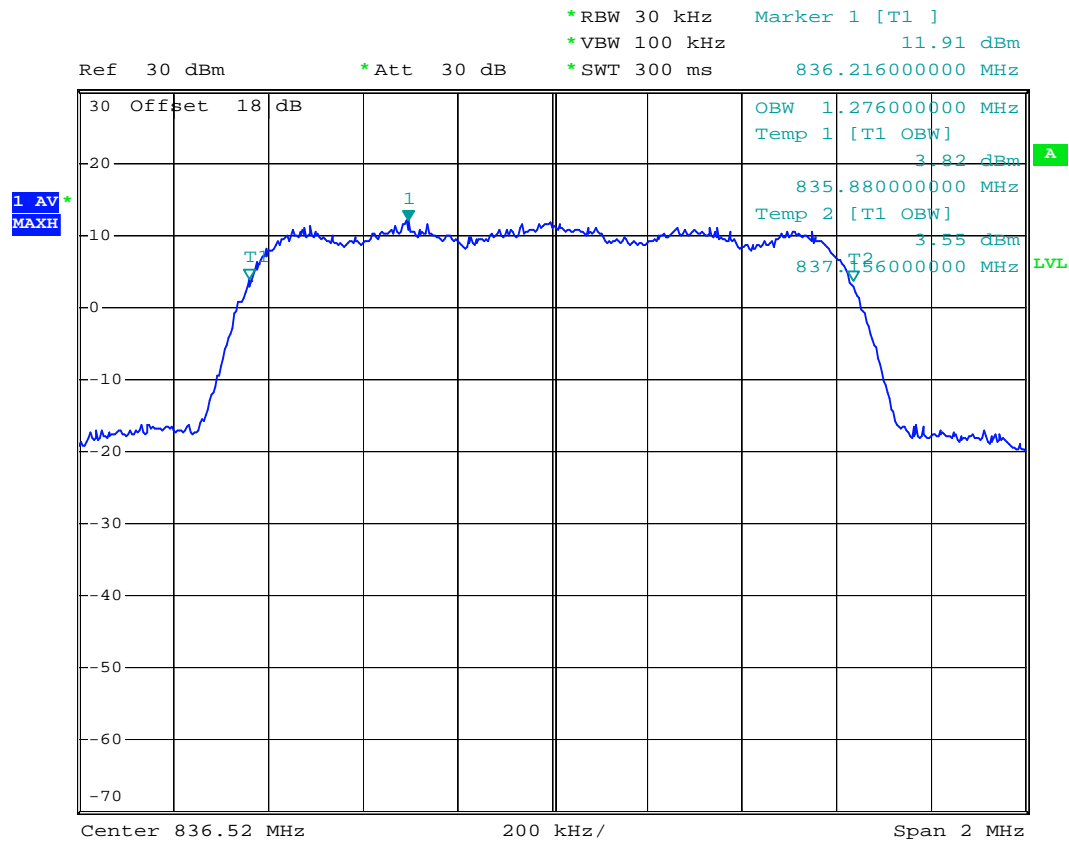
- Test Mode : CDMA2000 Cellular 850 CH1013_153.6Kbps Lower Band Edge for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 06:03:51



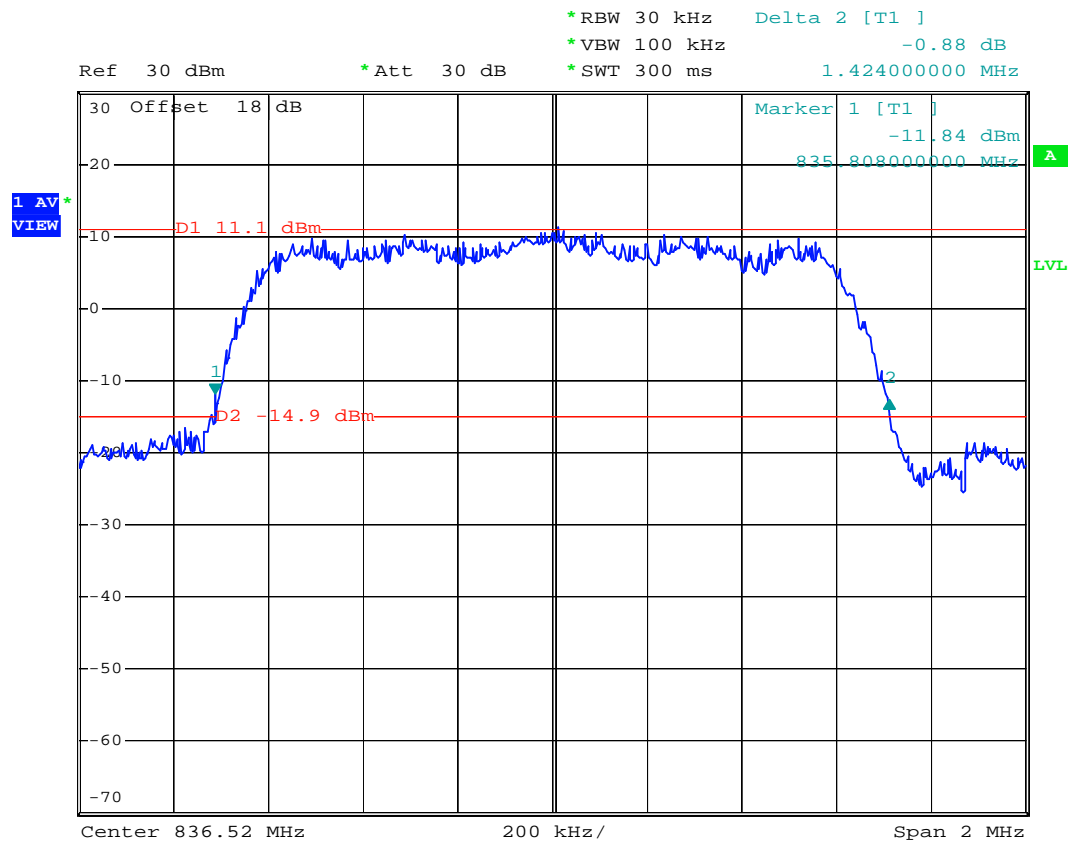
- Test Mode : CDMA2000 Cellular 850 CH384 99% Occupied Bandwidth for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 10:01:29



- Test Mode : CDMA2000 Cellular 850 CH384 26 dB Bandwidth for 1xEV-DO
- Power State : High



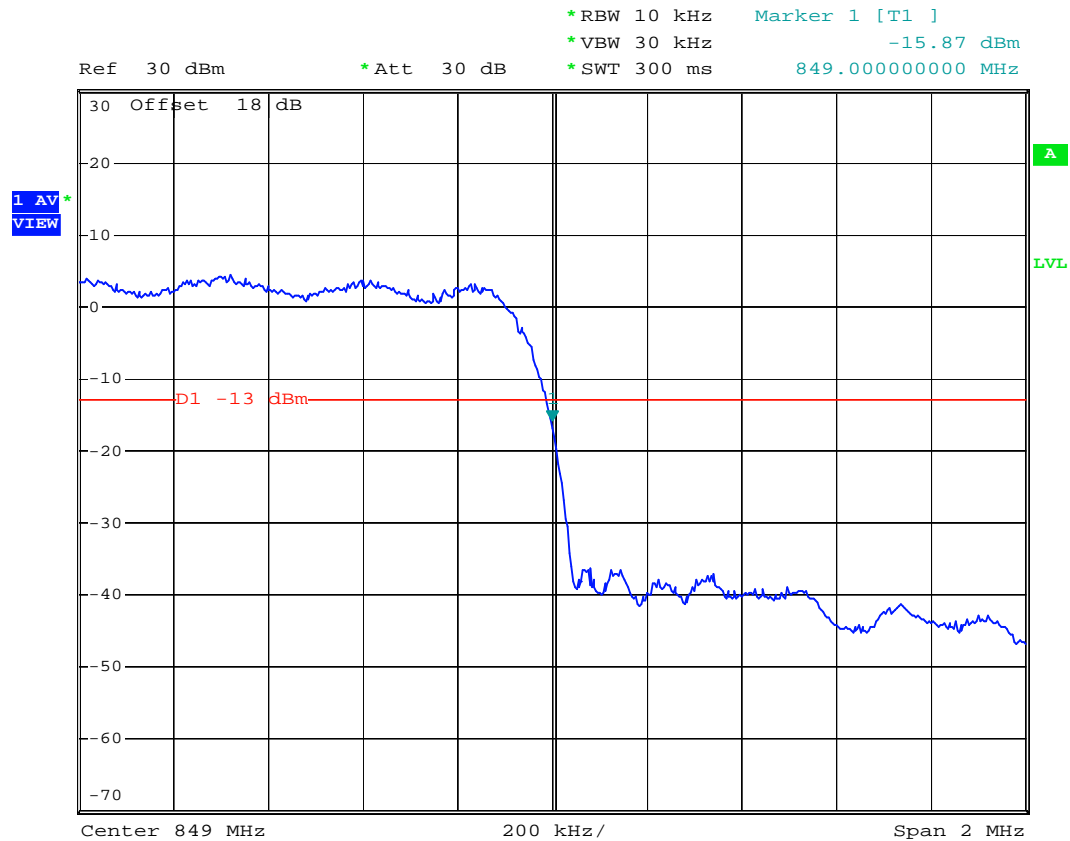
Date: 8.JUL.2007 10:05:26



FCC TEST REPORT

Report No. : FG661611-04

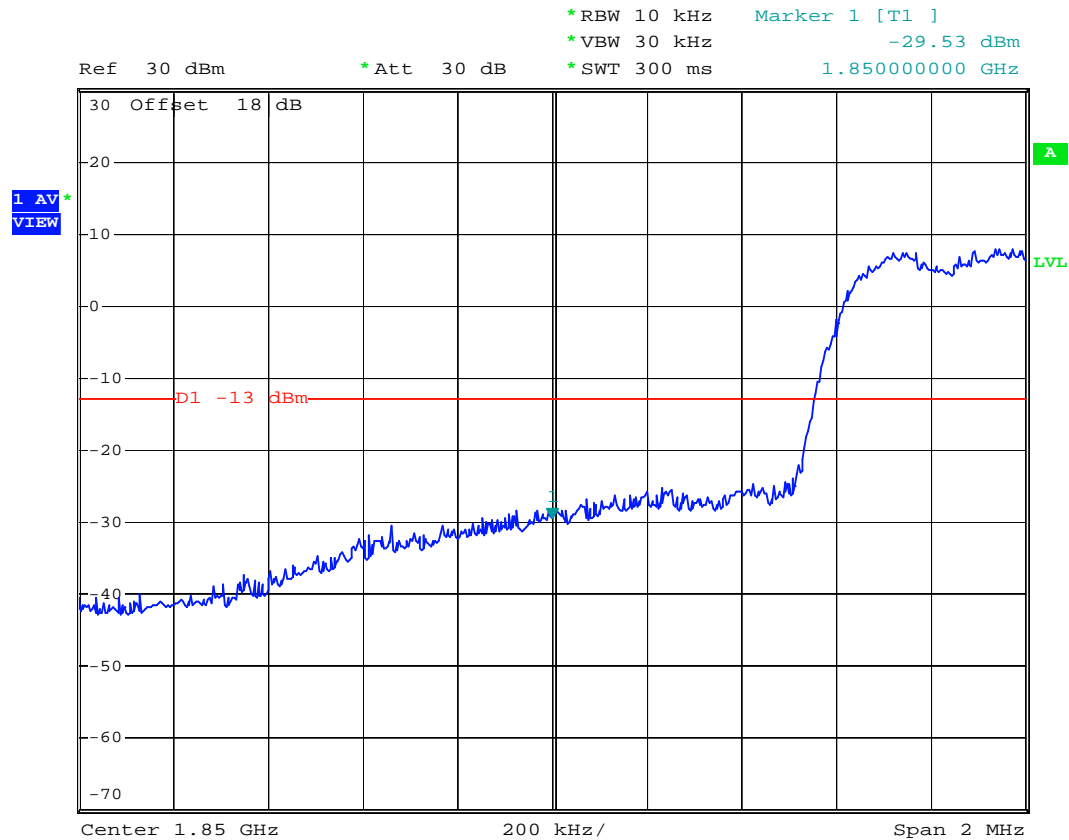
- Test Mode : CDMA2000 Cellular 850 CH777_153.6Kbps Higher Band Edge for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 06:09:18



- Mode 3
- Test Mode : CDMA2000 PCS 1900 Band CH25_FCH_RC1 Lower Band Edge for 1xRTT
- Power State : High



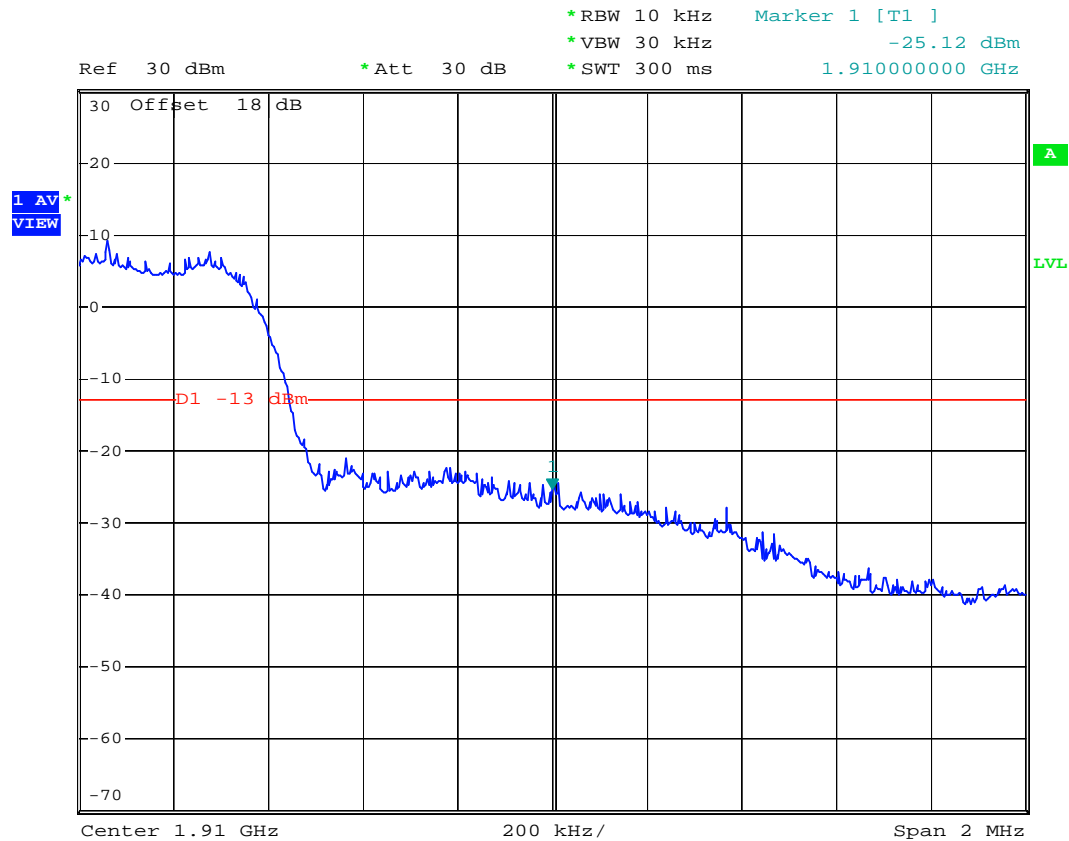
Date: 8.JUL.2007 06:20:03



FCC TEST REPORT

Report No. : FG661611-04

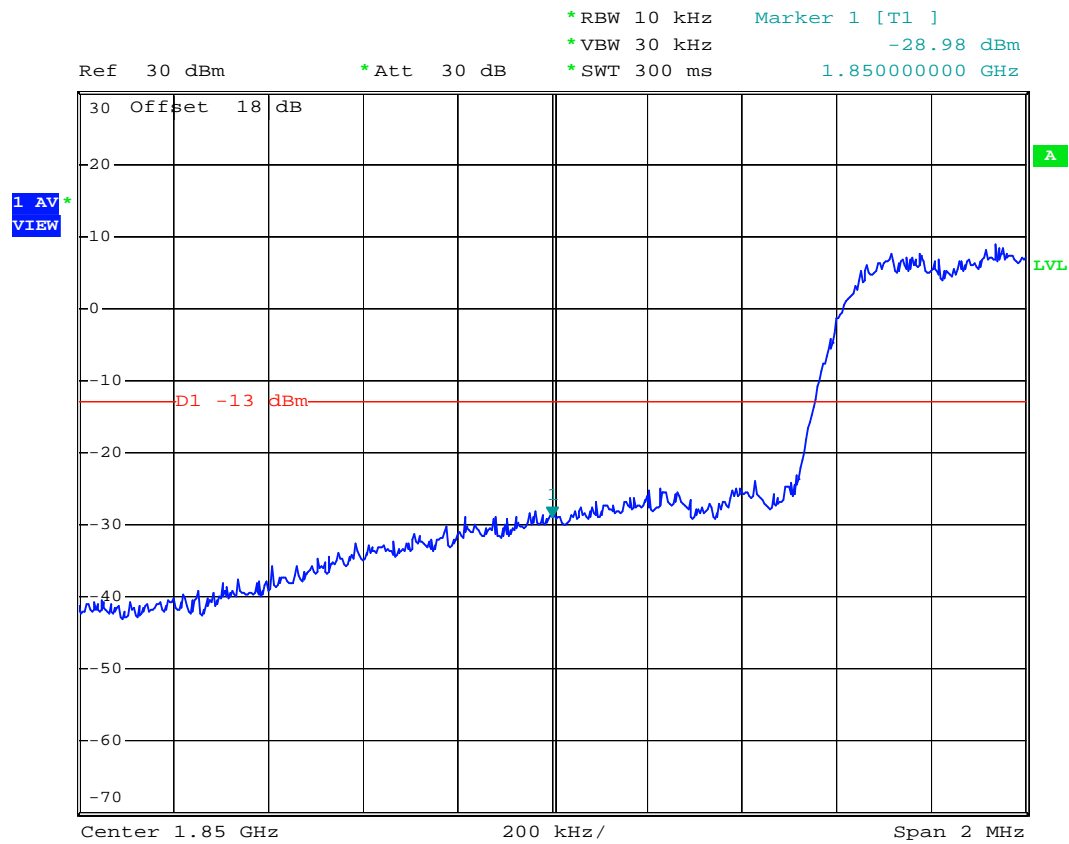
- Test Mode : CDMA2000 PCS 1900 CH1175_FCH_RC1 Higher Band Edge for 1xRTT
- Power State : High



Date: 8.JUL.2007 06:16:21



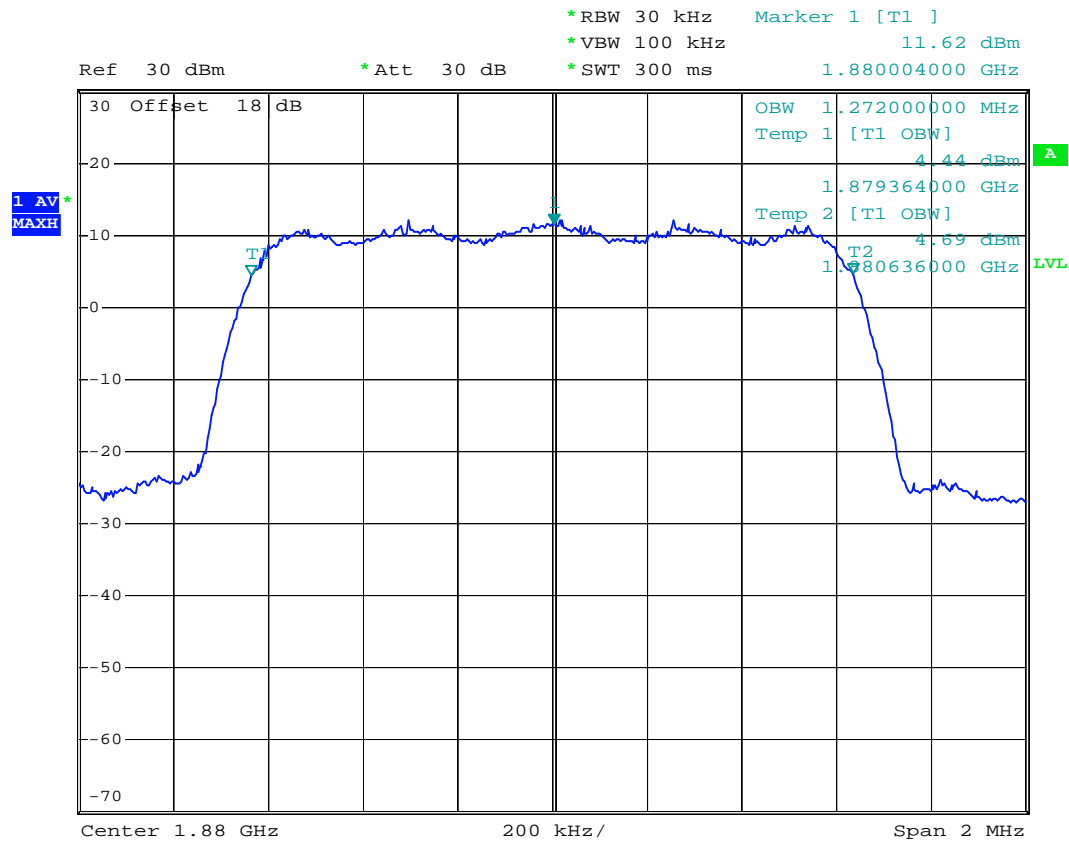
- Test Mode : CDMA2000 PCS 1900 Band CH25_FCH_RC3 Lower Band Edge for 1xRTT
- Power State : High



Date: 8.JUL.2007 06:20:59



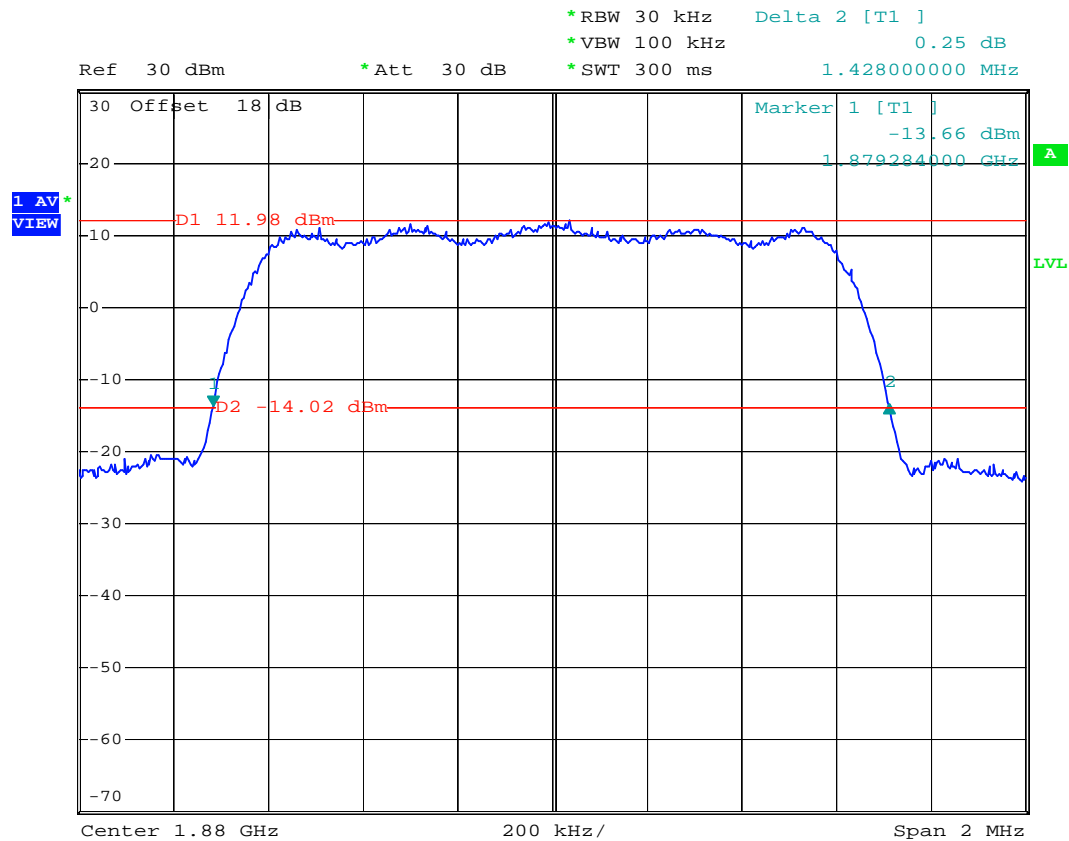
- Test Mode : CDMA2000 PCS 1900 Band CH600 99% Occupied Bandwidth for 1xRTT
- Power State : High



Date: 8.JUL.2007 07:18:05



- Test Mode : CDMA2000 PCS 1900 Band CH600 26 dB Bandwidth for 1xRTT
- Power State : High



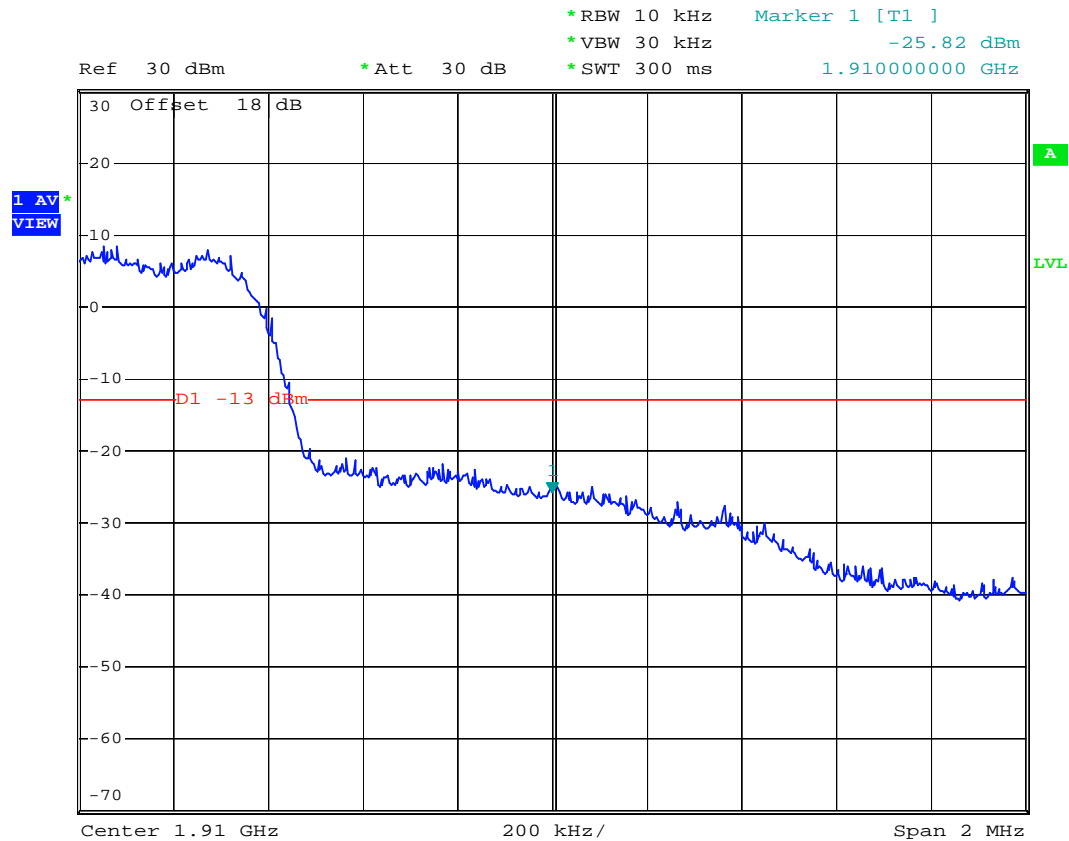
Date: 8.JUL.2007 07:34:23



FCC TEST REPORT

Report No. : FG661611-04

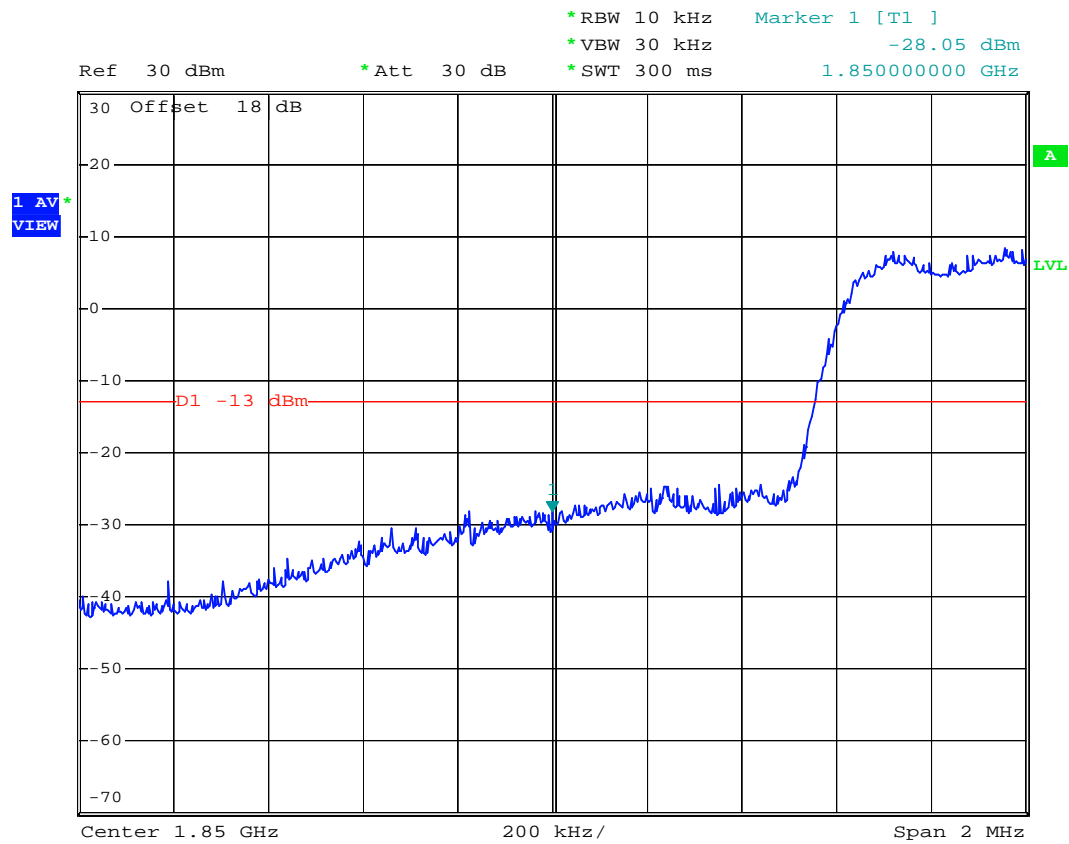
- Test Mode : CDMA2000 Cellular 850 CH1175_FCH_RC3 Higher Band Edge for 1xRTT
- Power State : High



Date: 8.JUL.2007 06:17:18



- Test Mode : CDMA2000 PCS 1900 Band CH25_FCH+SCH_RC3 Lower Band Edge for 1xRTT
- Power State : High



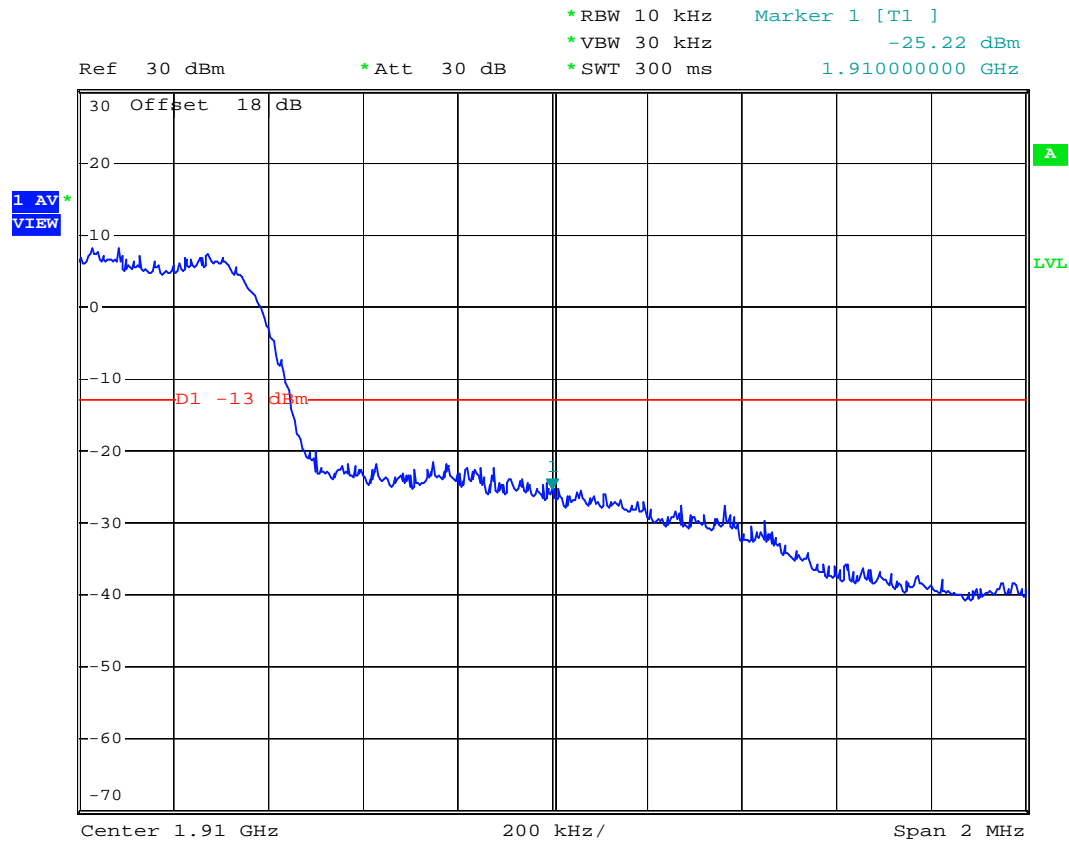
Date: 8.JUL.2007 06:19:09



FCC TEST REPORT

Report No. : FG661611-04

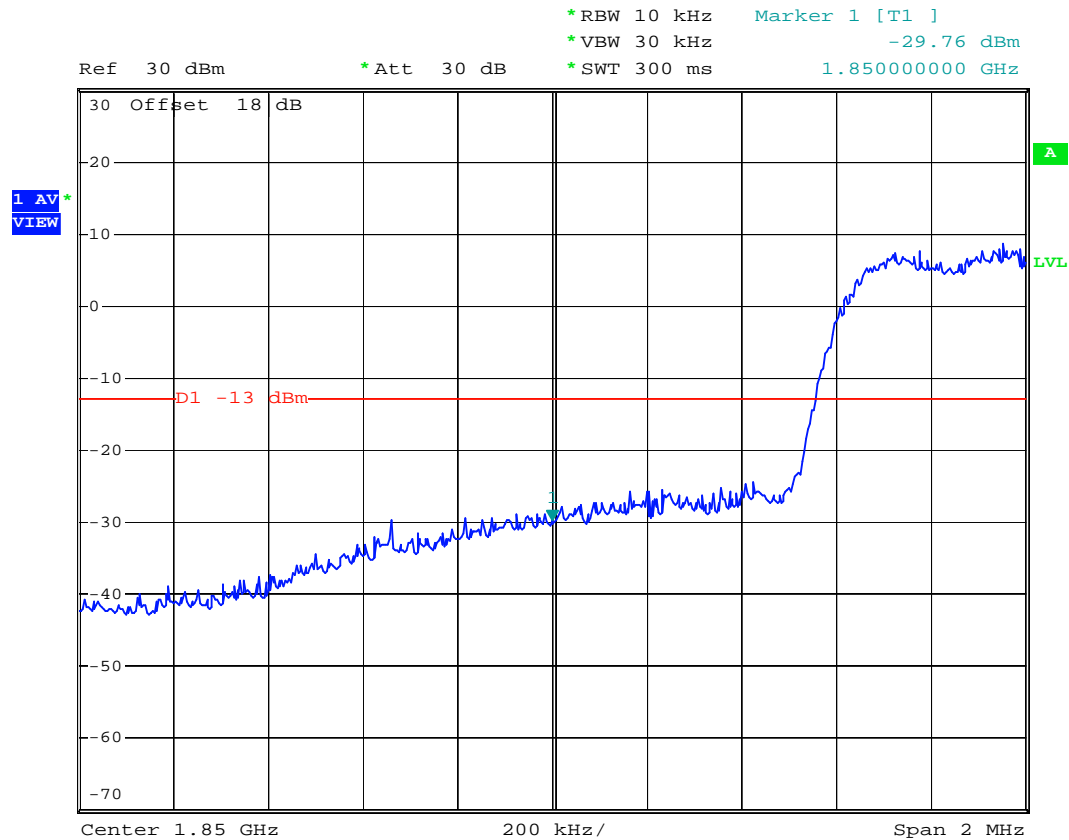
- Test Mode : CDMA2000 PCS 1900 CH1175_FCH+SCH_RC3 Higher Band Edge for 1xRTT
- Power State : High



Date: 8.JUL.2007 06:18:08



- Mode 4
- Test Mode : CDMA2000 PCS 1900 CH25_9.6Kbps Lower Band Edge for 1xEV-DO
- Power State : High



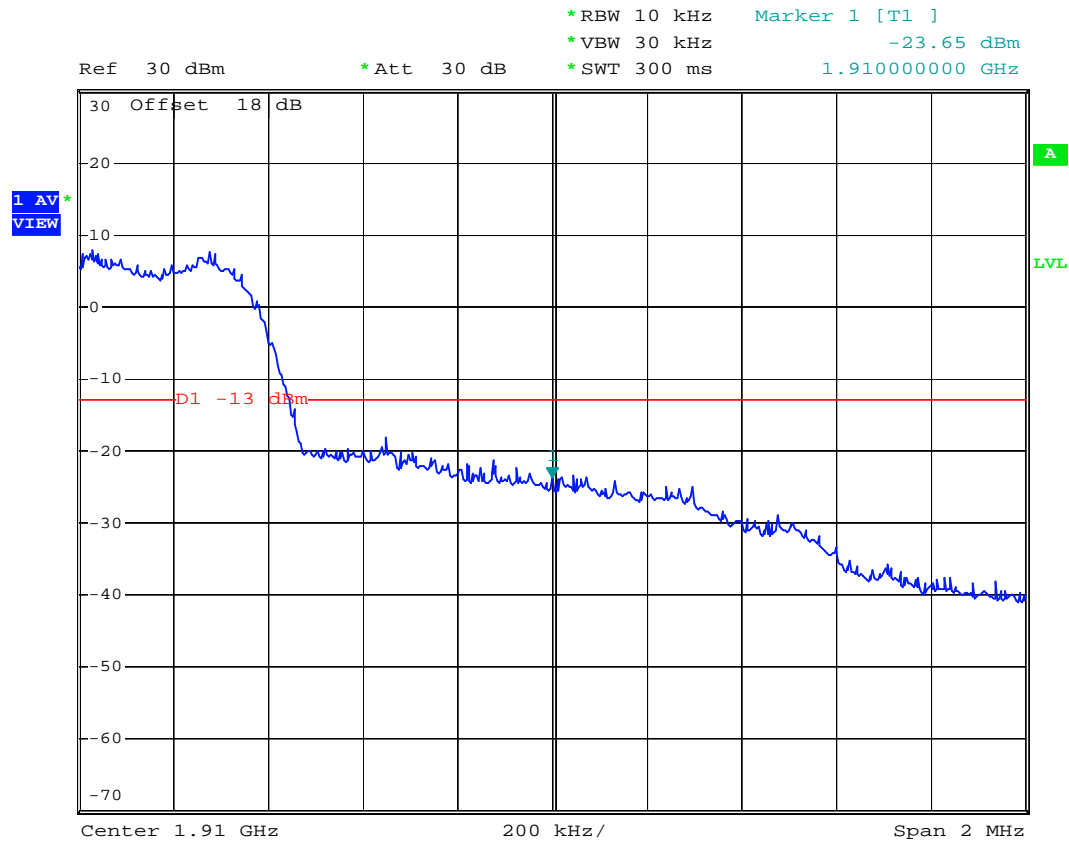
Date: 8.JUL.2007 06:12:17



FCC TEST REPORT

Report No. : FG661611-04

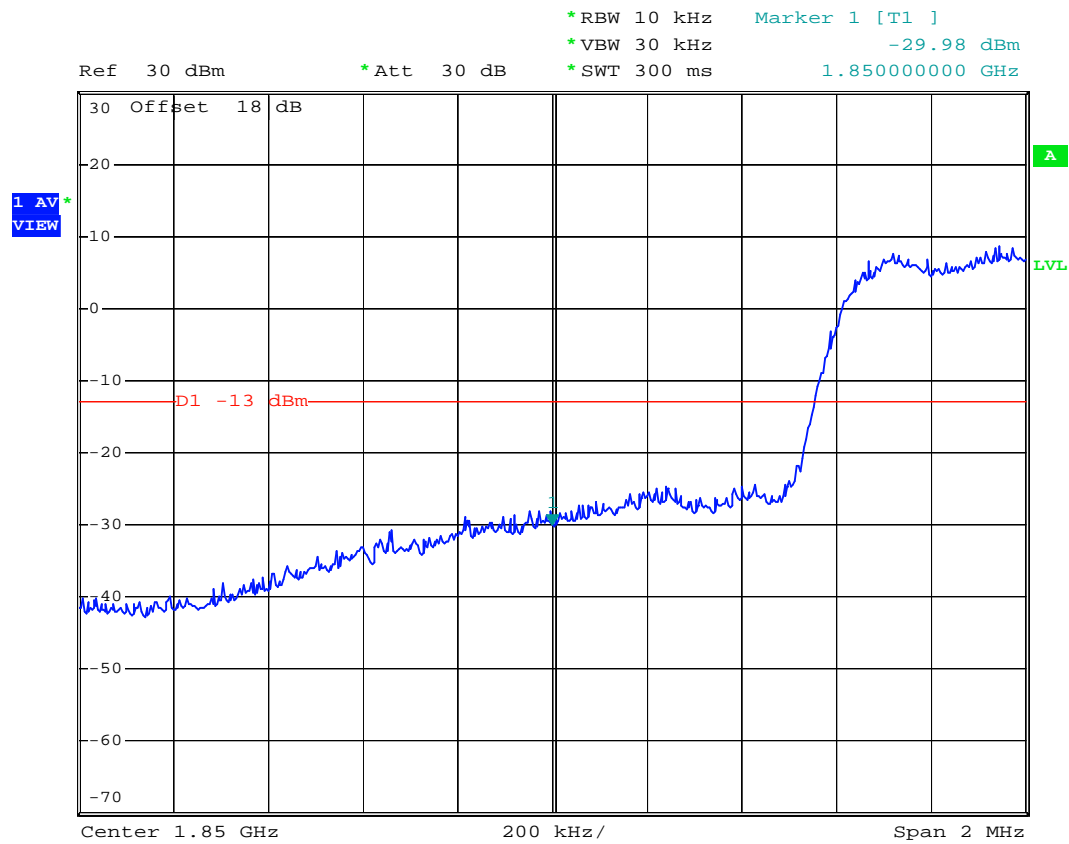
- Test Mode : CDMA2000 PCS 1900 CH1175_9.6Kbps Higher Band Edge for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 06:14:05



- Test Mode : CDMA2000 PCS 1900 CH25_38.4Kbps Lower Band Edge for 1xEV-DO
- Power State : High



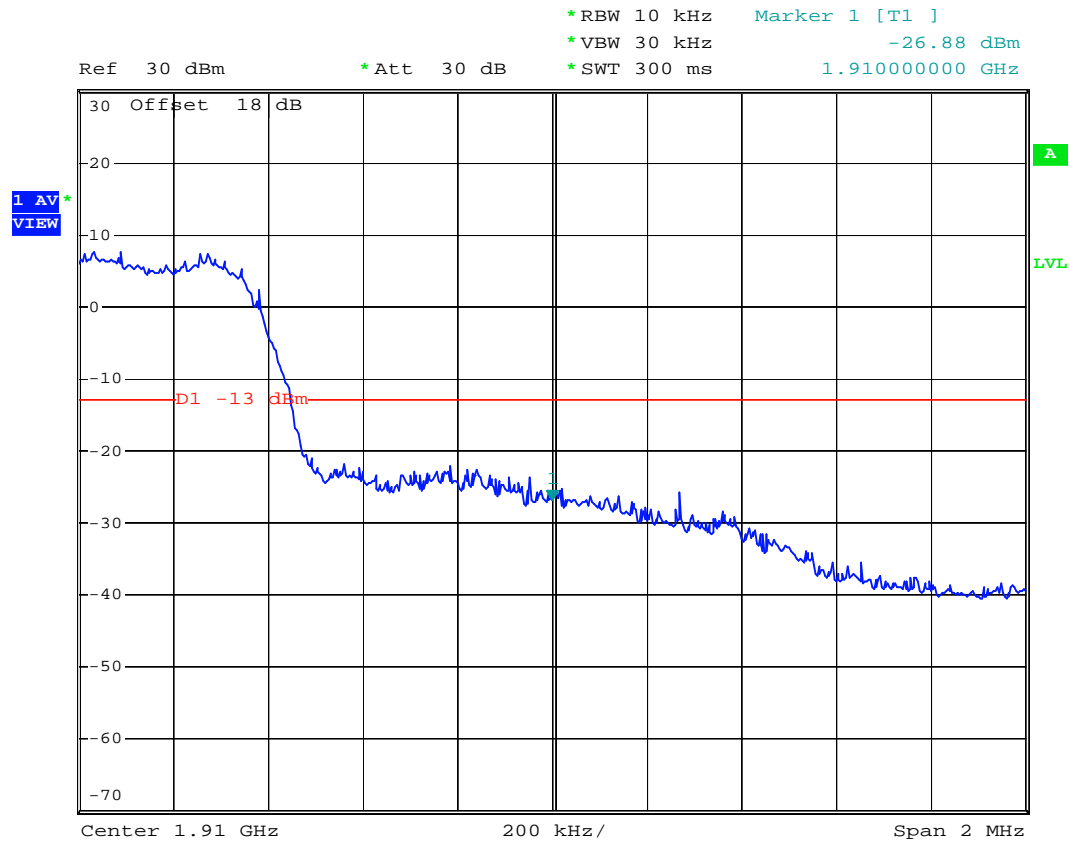
Date: 8.JUL.2007 06:11:38



FCC TEST REPORT

Report No. : FG661611-04

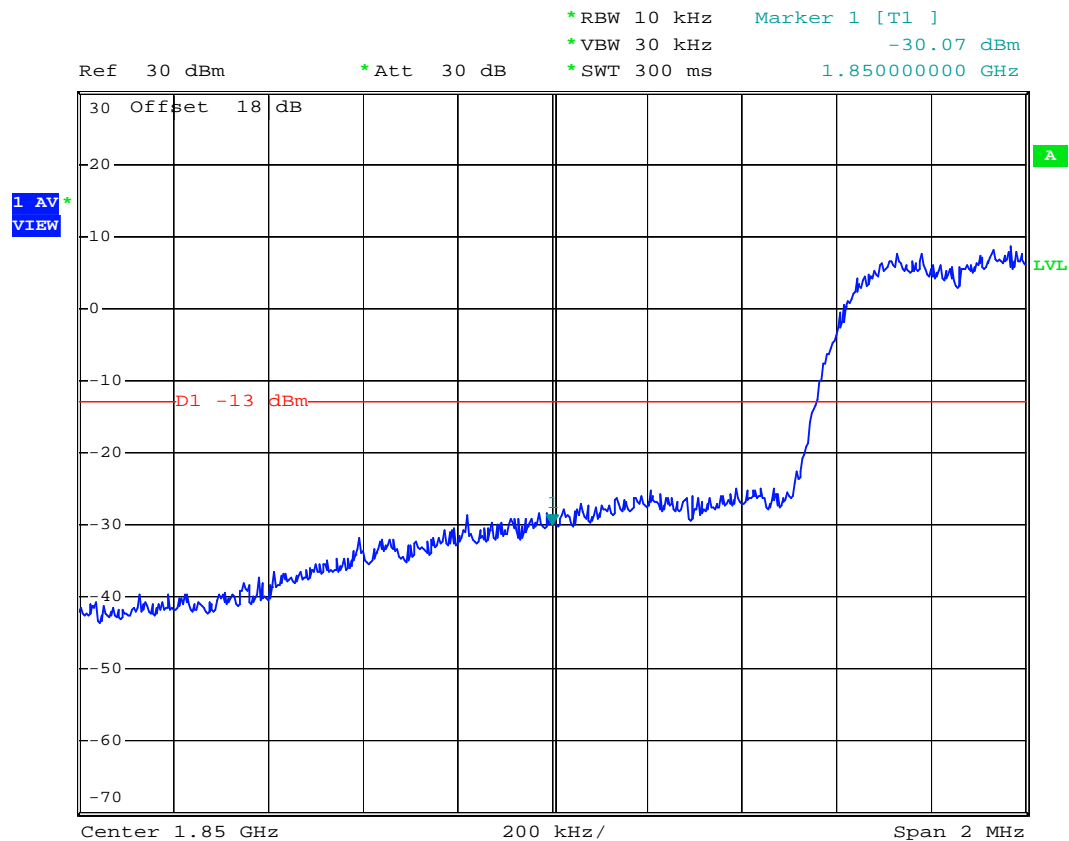
- Test Mode : CDMA2000 PCS 1900 CH1175_38.4Kbps Higher Band Edge for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 06:14:49



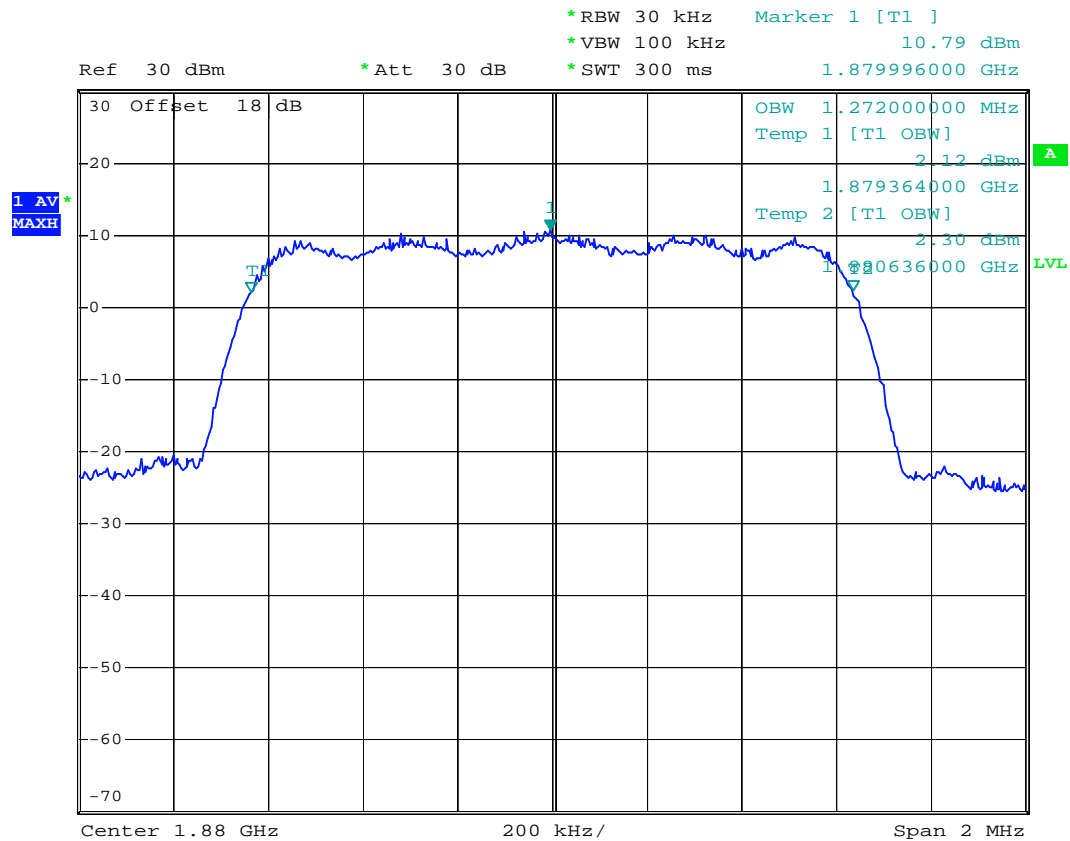
- Test Mode : CDMA2000 PCS 1900 CH25_153.6Kbps Lower Band Edge for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 06:10:39



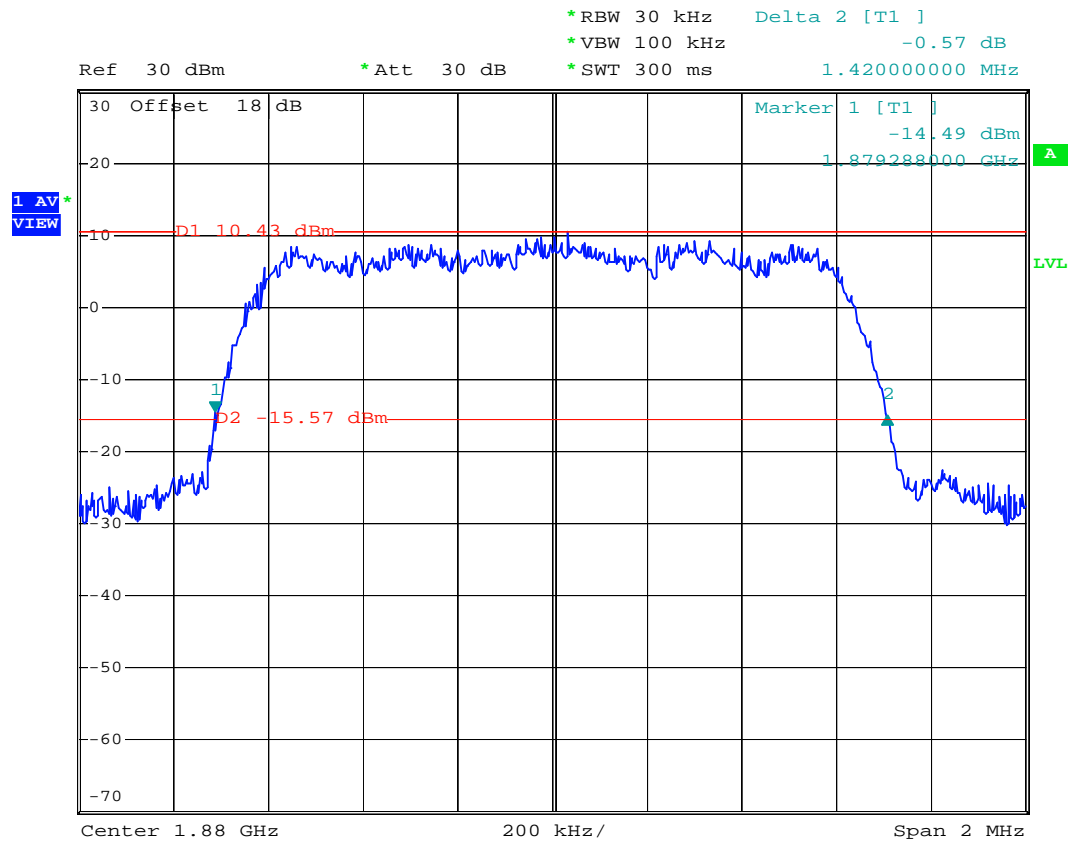
- Test Mode : CDMA2000 PCS 1900 CH600 99% Occupied Bandwidth for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 10:13:13



- Test Mode : CDMA2000 PCS 1900 CH600 26 dB Bandwidth for 1xEV-DO
- Power State : High



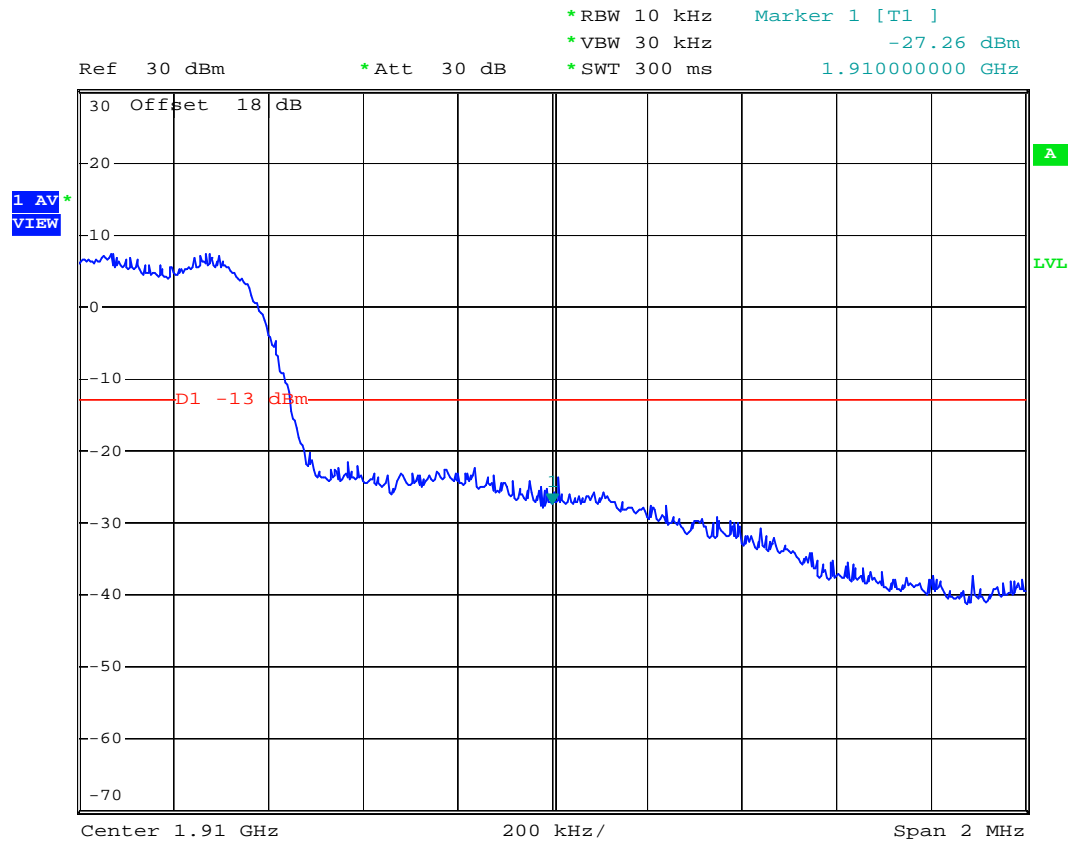
Date: 8.JUL.2007 10:14:47



FCC TEST REPORT

Report No. : FG661611-04

- Test Mode : CDMA2000 PCS 1900 CH1175_153.6Kbps Higher Band Edge for 1xEV-DO
- Power State : High



Date: 8.JUL.2007 06:15:27

4.5 Conducted Emission

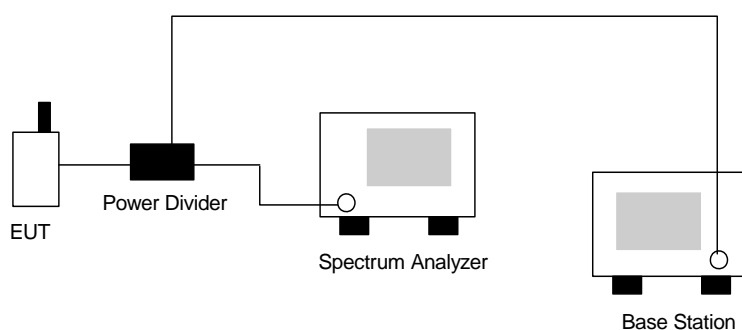
4.5.1 Measurement Instruments

As described in chapter 5 of this test report.

4.5.2 Test Procedure

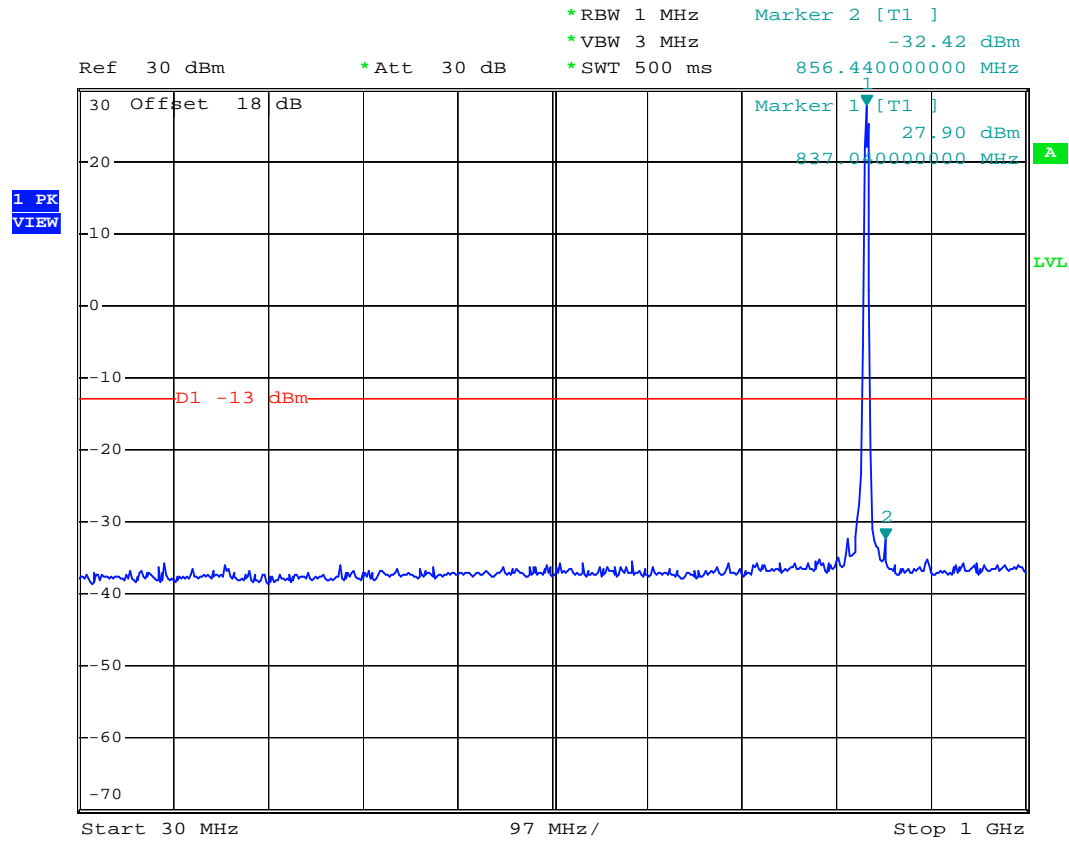
1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The middle channel for the highest RF power within the transmitting frequency was measured.
3. The conducted spurious emission for the whole frequency range was taken.

4.5.3 Test Setup Layout



**4.5.4 Test Result**

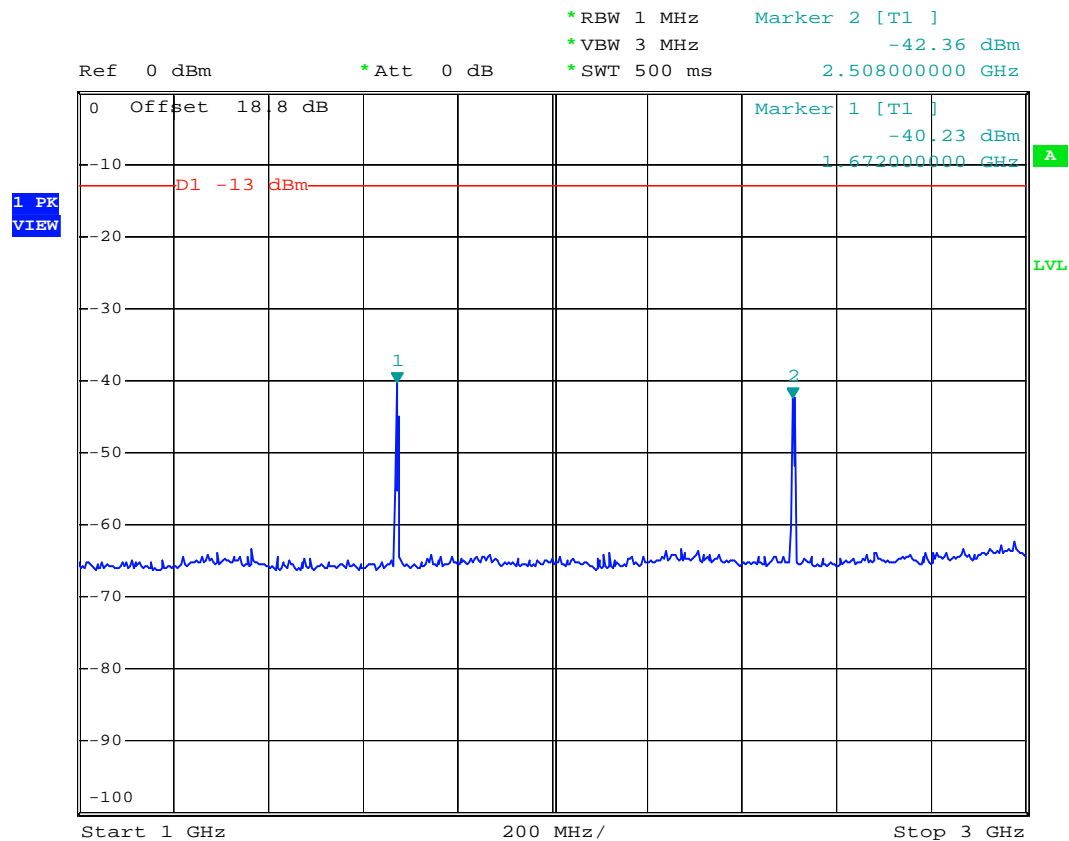
- Mode 1
- Test Mode : CDMA2000 Cellular 850 CH384 for 1xRTT
- Frequency Range : 30M-1G



Date: 8.JUL.2007 07:48:19



- Test Mode : CDMA2000 Cellular 850 CH384 for 1xRTT
- Frequency Range : 1G-3G



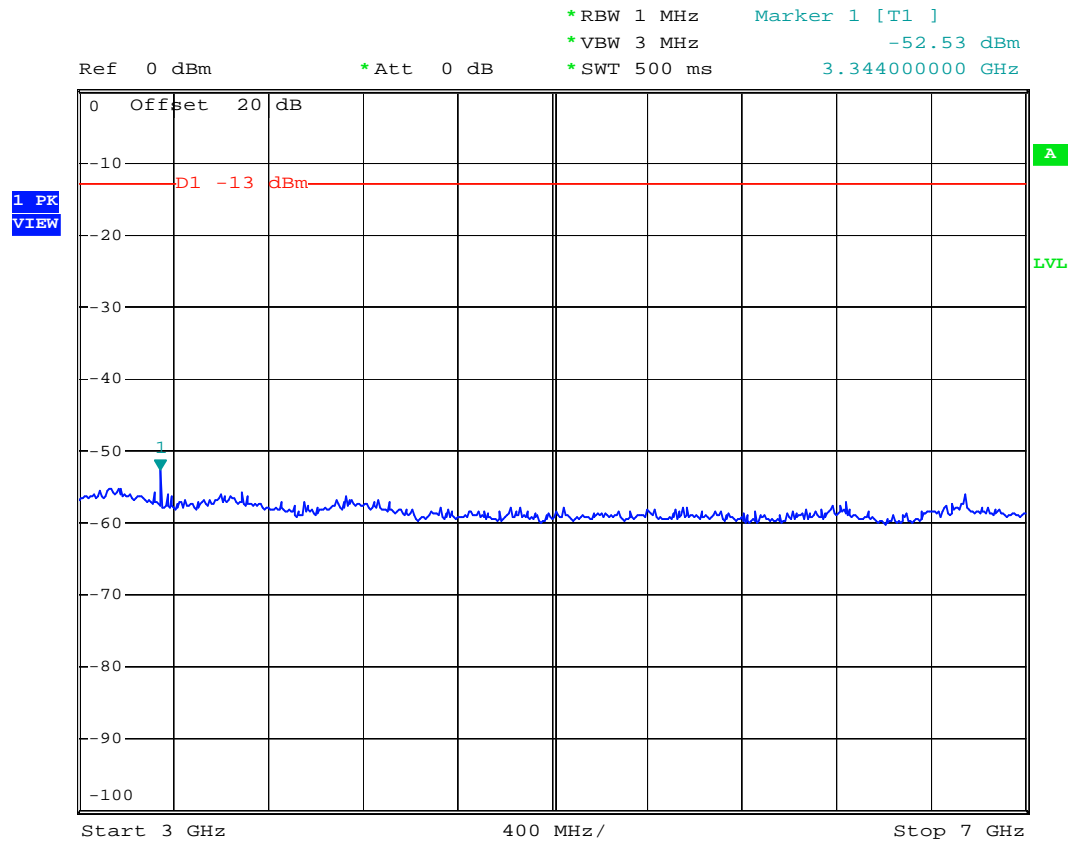
Date: 8.JUL.2007 07:51:59



FCC TEST REPORT

Report No. : FG661611-04

- Test Mode : CDMA2000 Cellular 850 CH384 for 1xRTT
- Frequency Range : 3G-7G



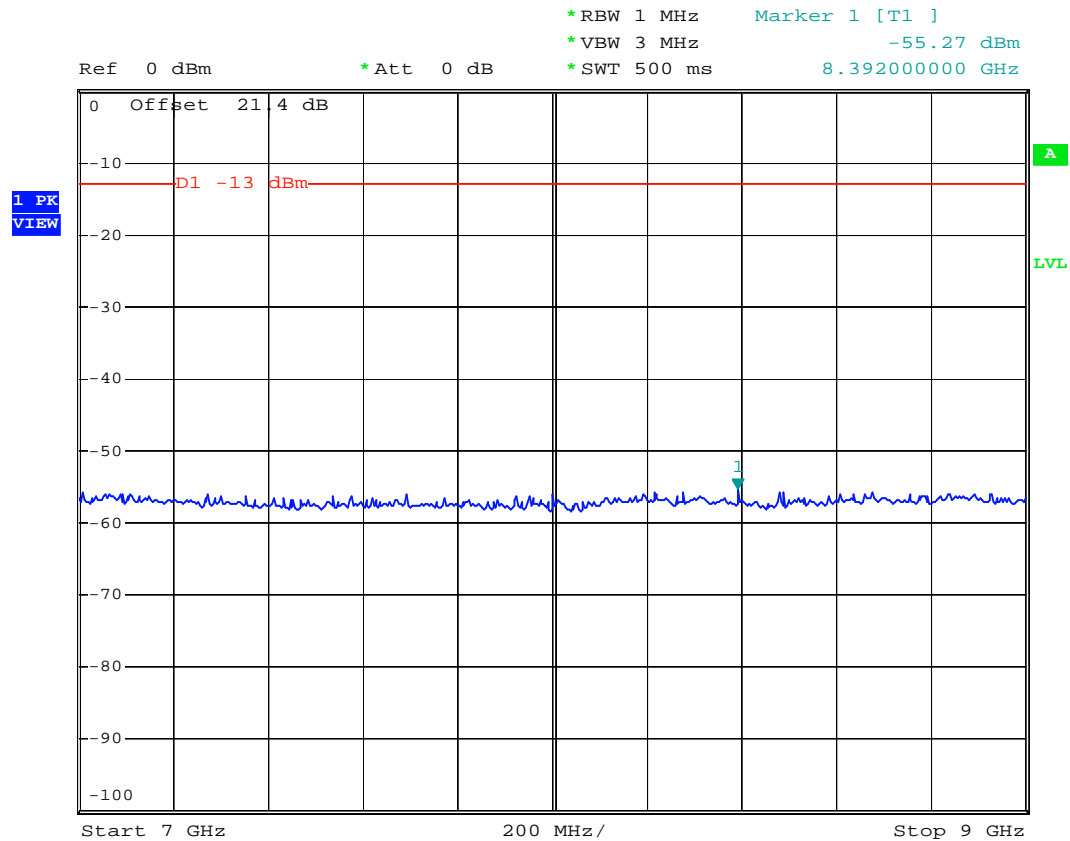
Date: 8.JUL.2007 07:53:00



FCC TEST REPORT

Report No. : FG661611-04

- Test Mode : CDMA2000 Cellular 850 CH384 for 1xRTT
- Frequency Range : 7G-9G



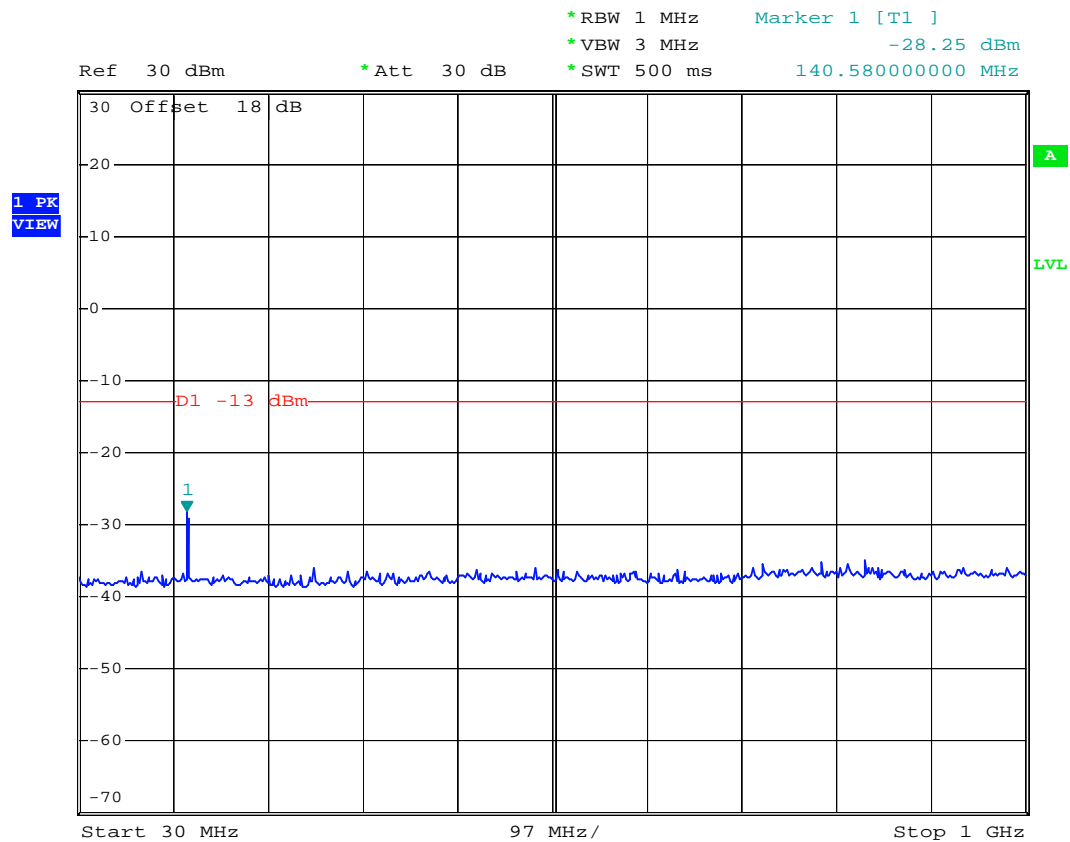
Date: 8.JUL.2007 07:57:13



FCC TEST REPORT

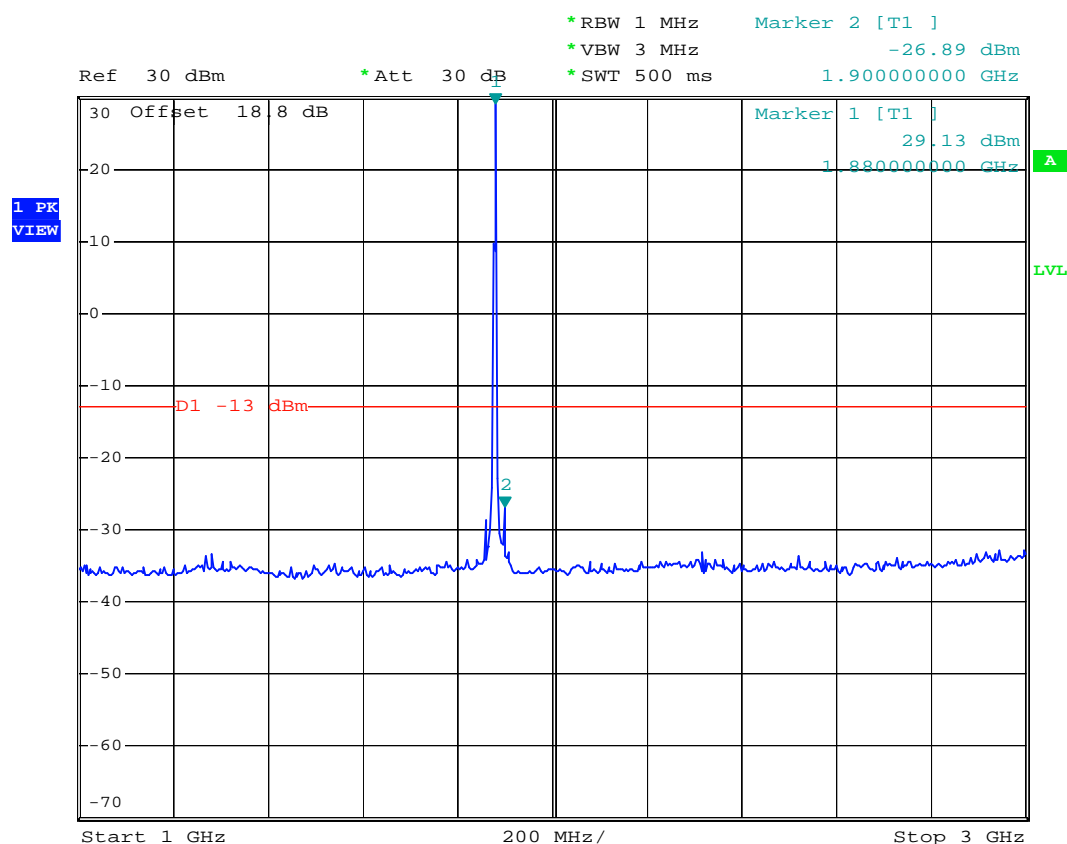
Report No. : FG661611-04

- Mode 3
- Test Mode : CDMA2000 PCS 1900 CH600 for 1xRTT
- Frequency Range : 30M-1G



Date: 8.JUL.2007 07:47:03

- Test Mode : CDMA2000 PCS 1900 CH600 for 1xRTT
- Frequency Range : 1G-3G



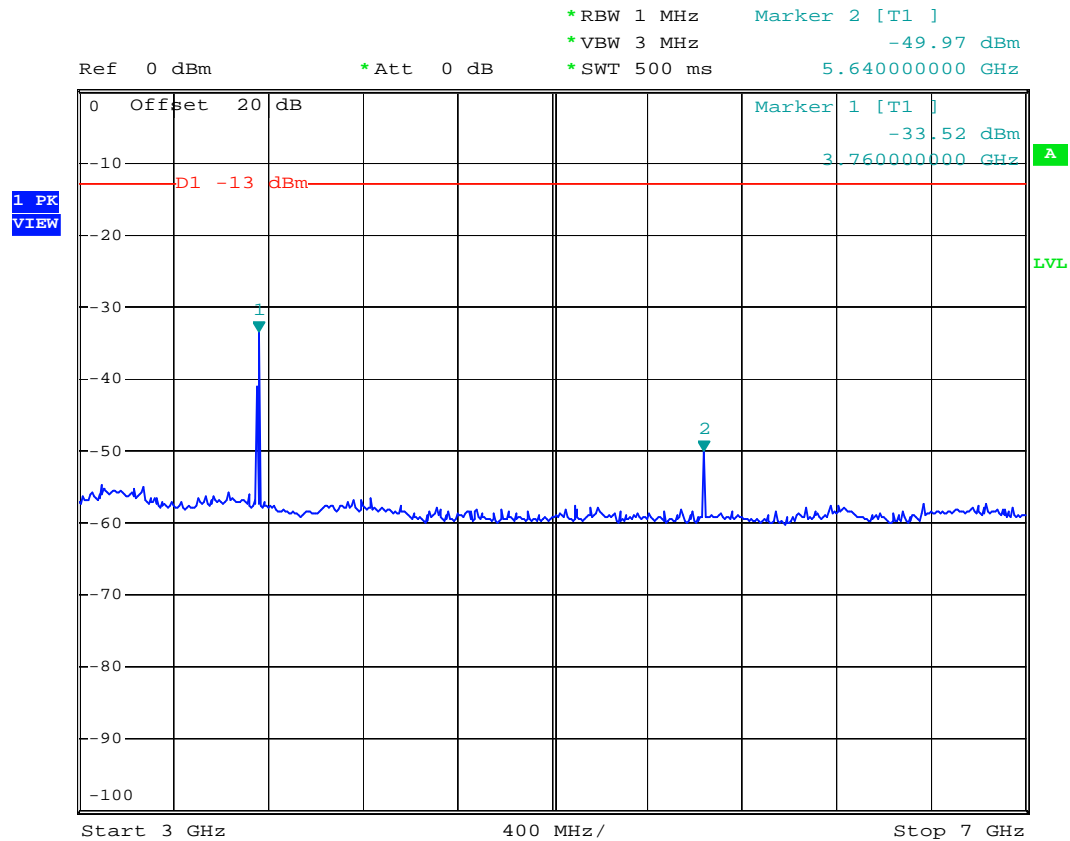
Date: 8.JUL.2007 07:50:03



FCC TEST REPORT

Report No. : FG661611-04

- Test Mode : CDMA2000 PCS 1900 CH600 for 1xRTT
- Frequency Range : 3G-7G



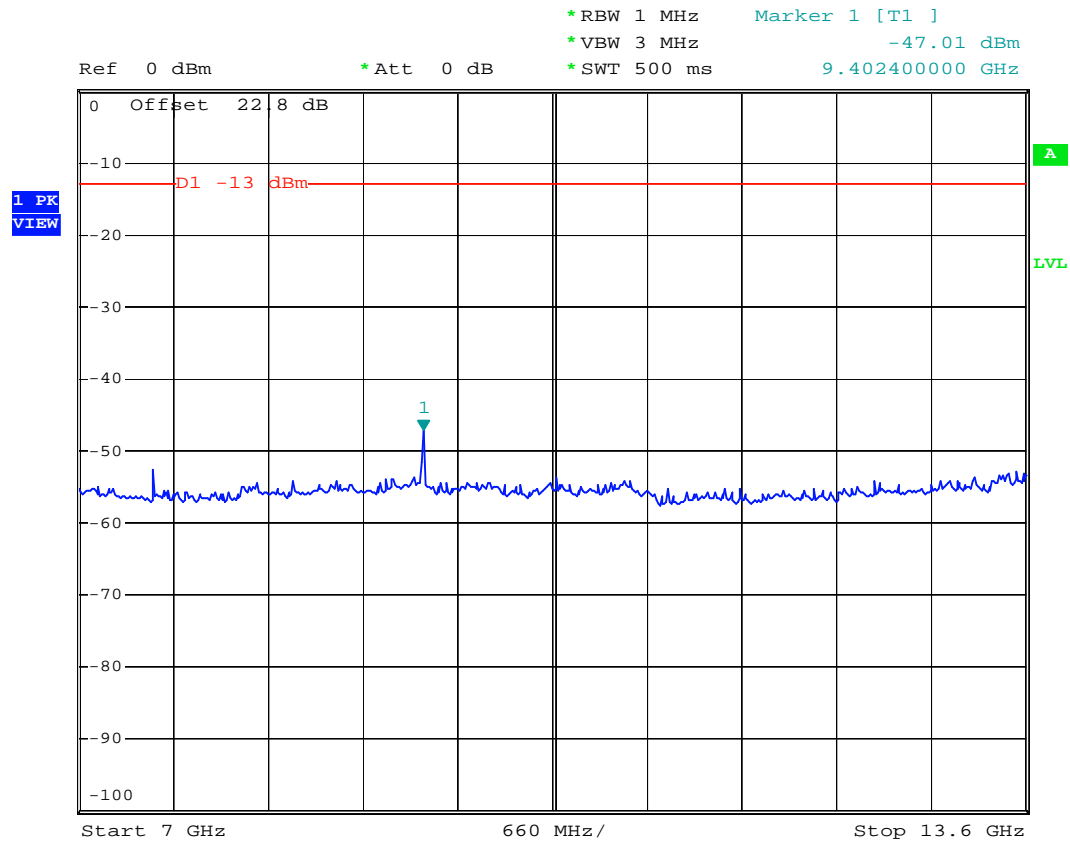
Date: 8.JUL.2007 07:54:16



FCC TEST REPORT

Report No. : FG661611-04

- Test Mode : CDMA2000 PCS 1900 CH600 for 1xRTT
- Frequency Range : 7G-13.6G



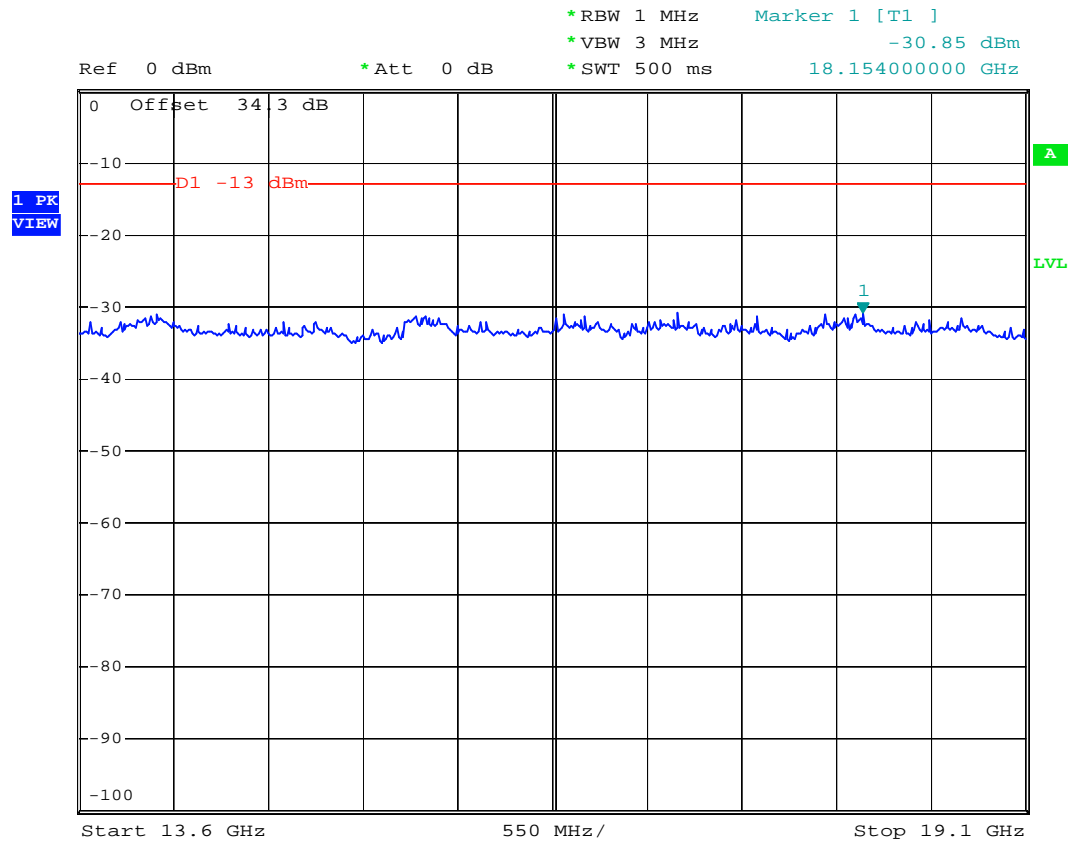
Date: 8.JUL.2007 07:55:51



FCC TEST REPORT

Report No. : FG661611-04

- Test Mode : CDMA2000 PCS 1900 CH600 for 1xRTT
- Frequency Range : 13.6G-19.1G



Date: 8.JUL.2007 07:59:32

4.6 Field Strength of Spurious Radiation

Equivalent isotropic radiated Power Measurements by substitution method according to ANSI/TIA/EIA-603-C.

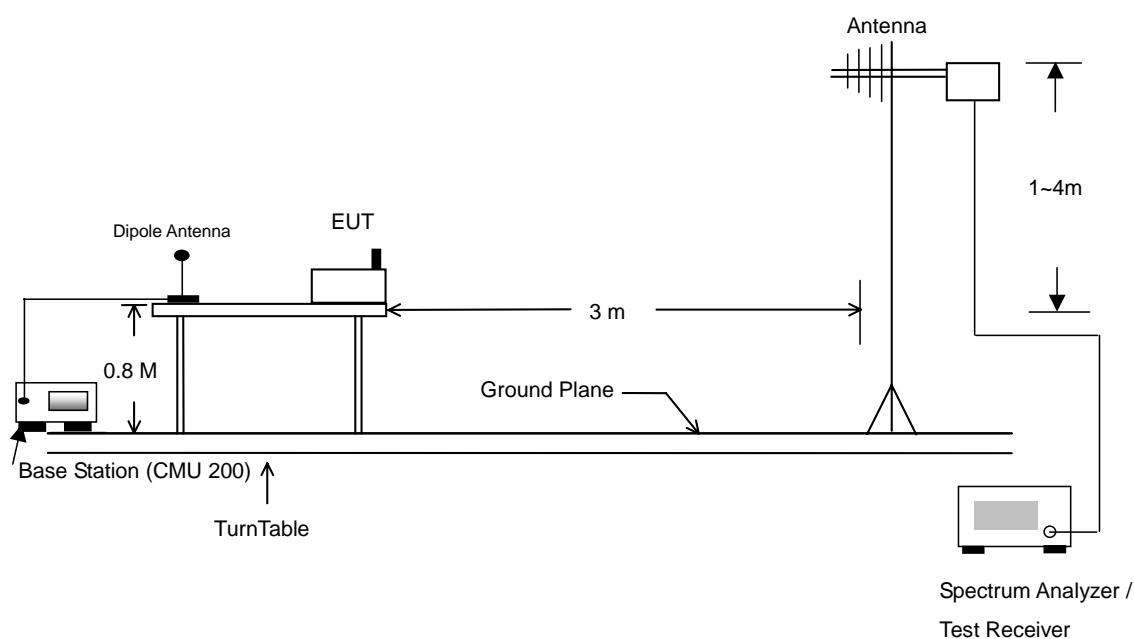
4.6.1 Measurement Instruments

As described in chapter 5 of this test report.

4.6.2 Test Procedure

1. The EUT was placed on a rotatable wooden table with 0.8 meter about ground.
2. The EUT was set 3 meters from the receiving antenna which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to reach the maximum spurious emission for both horizontal and vertical polarizations.
5. Taking the record of maximum spurious emission.
6. A Horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. Emission level (dBm) = output power + substitution Gain.

4.6.3 Test Setup Layout



4.6.4 Test Result

- Test Mode : Mode 1

CDMA2000 Cellular 850 1xRTT_FCH+SCH_RC3_CH1013 Radiated Spurious ERP							
H Polarization				V Polarization			
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)
30.000	-61.670	-13	-48.67	68.880	-57.510	-13	-44.51
69.690	-59.540	-13	-46.54	156.630	-50.870	-13	-37.87
219.540	-59.790	-13	-46.79	216.840	-57.080	-13	-44.08
796.300	-64.210	-13	-51.21	796.300	-63.270	-13	-50.27
1698.000	-47.520	-13	-34.52	1698.000	-50.870	-13	-37.87
1784.000	-60.310	-13	-47.31	1784.000	-61.130	-13	-48.13
2544.000	-44.990	-13	-31.99	2544.000	-47.620	-13	-34.62
3394.000	-43.920	-13	-30.92	3394.000	-36.880	-13	-23.88
3574.000	-55.320	-13	-42.32	3574.000	-55.670	-13	-42.67
4244.000	-53.600	-13	-40.60	4244.000	-49.990	-13	-36.99
				5358.000	-48.520	-13	-35.52

- Test Mode : Mode 2

CDMA2000 Cellular 850 1xRTT_FCH+SCH_RC3_CH384 Radiated Spurious ERP							
H Polarization				V Polarization			
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)
30.540	-61.880	-13	-48.88	70.230	-57.270	-13	-44.27
72.390	-59.430	-13	-46.43	152.580	-50.780	-13	-37.78
219.540	-59.880	-13	-46.88	216.030	-56.940	-13	-43.94
817.300	-57.750	-13	-44.75	815.900	-62.100	-13	-49.10
1674.000	-39.040	-13	-26.04	1674.000	-47.300	-13	-34.30
1764.000	-59.390	-13	-46.39	1764.000	-60.520	-13	-47.52
2508.000	-40.460	-13	-27.46	2508.000	-42.890	-13	-29.89
3344.000	-40.790	-13	-27.79	3344.000	-35.240	-13	-22.24
3524.000	-56.750	-13	-43.75	3524.000	-56.290	-13	-43.29
4184.000	-50.820	-13	-37.82	4184.000	-46.380	-13	-33.38
				5288.000	-48.920	-13	-35.92



▪ Test Mode : Mode 3

CDMA2000 Cellular 850 1xRTT_FCH+SCH_RC3_CH777 Radiated Spurious ERP							
H Polarization				V Polarization			
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)
30.000	-59.160	-13	-46.16	33.240	-52.680	-13	-39.68
71.580	-57.590	-13	-44.59	157.980	-43.490	-13	-30.49
218.190	-53.090	-13	-40.09	218.190	-50.180	-13	-37.18
1648.000	-42.920	-13	-29.92	1648.000	-53.110	-13	-40.11
1738.000	-58.110	-13	-45.11	1738.000	-60.340	-13	-47.34
2474.000	-41.320	-13	-28.32	2474.000	-45.310	-13	-32.31
3298.000	-44.820	-13	-31.82	3298.000	-40.410	-13	-27.41
				3478.000	-56.370	-13	-43.37
				5218.000	-49.730	-13	-36.73

▪ Test Mode : Mode 4

CDMA2000 PCS 1900 1xRTT_FCH_RC3_CH25 Radiated Spurious EIRP							
H Polarization				V Polarization			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
30.000	-57.130	-13	-44.13	33.240	-50.550	-13	-37.55
73.740	-55.080	-13	-42.08	155.280	-41.280	-13	-28.28
217.380	-50.780	-13	-37.78	217.380	-48.140	-13	-35.14
397.300	-62.650	-13	-49.65	378.400	-62.310	-13	-49.31
796.300	-61.660	-13	-48.66	845.300	-60.090	-13	-47.09
896.400	-60.000	-13	-47.00	992.300	-61.100	-13	-48.10
1714.000	-56.320	-13	-43.32	1828.000	-54.820	-13	-41.82
1828.000	-44.430	-13	-31.43	3434.000	-54.310	-13	-41.31
3704.000	-40.240	-13	-27.24	3704.000	-39.370	-13	-26.37
5554.000	-39.080	-13	-26.08	5148.000	-48.010	-13	-35.01
7404.000	-45.870	-13	-32.87	5554.000	-32.270	-13	-19.27
9254.000	-39.900	-13	-26.90	7404.000	-44.720	-13	-31.72
				9254.000	-38.760	-13	-25.76
				14808.000	-43.900	-13	-30.90



- Test Mode : Mode 5

CDMA2000 PCS 1900 1xRTT_FCH_RC3_CH600 Radiated Spurious EIRP							
H Polarization				V Polarization			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
72.390	-54.680	-13	-41.68	33.240	-50.510	-13	-37.51
218.190	-50.690	-13	-37.69	155.280	-41.170	-13	-28.17
397.300	-62.340	-13	-49.34	218.730	-48.140	-13	-35.14
896.400	-60.180	-13	-47.18	378.400	-62.920	-13	-49.92
994.400	-60.630	-13	-47.63	845.300	-59.760	-13	-46.76
1744.000	-56.740	-13	-43.74	880.300	-60.440	-13	-47.44
1838.000	-54.470	-13	-41.47	1744.000	-58.940	-13	-45.94
3758.000	-36.620	-13	-23.62	3484.000	-54.020	-13	-41.02
5638.000	-42.710	-13	-29.71	3758.000	-32.590	-13	-19.59
7518.000	-41.590	-13	-28.59	5224.000	-46.190	-13	-33.19
9398.000	-37.110	-13	-24.11	5638.000	-34.300	-13	-21.30
				7518.000	-37.490	-13	-24.49
				9398.000	-36.770	-13	-23.77

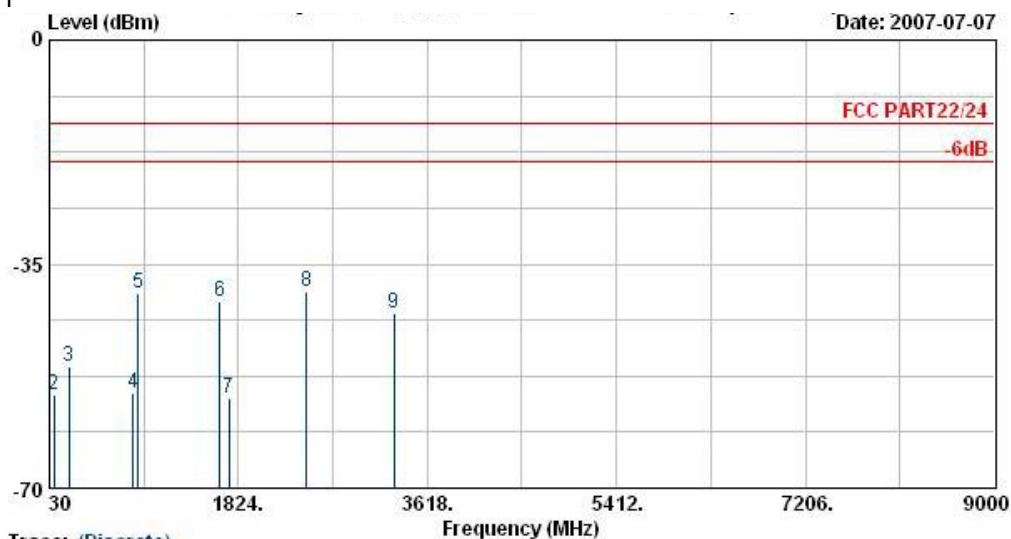
- Test Mode : Mode 6

CDMA2000 PCS 1900 1xRTT_FCH_RC3_CH1175 Radiated Spurious EIRP							
H Polarization				V Polarization			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
33.240	-56.710	-13	-43.71	32.430	-50.240	-13	-37.24
72.390	-54.680	-13	-41.68	155.280	-41.240	-13	-28.24
217.380	-50.770	-13	-37.77	215.490	-48.090	-13	-35.09
894.300	-59.440	-13	-46.44	379.800	-62.160	-13	-49.16
945.400	-61.190	-13	-48.19	845.300	-60.500	-13	-47.50
994.400	-60.540	-13	-47.54	896.400	-61.070	-13	-48.07
1644.000	-57.640	-13	-44.64	1768.000	-59.080	-13	-46.08
1768.000	-57.000	-13	-44.00	3534.000	-54.560	-13	-41.56
1838.000	-55.230	-13	-42.23	3818.000	-23.480	-13	-10.48
3818.000	-26.530	-13	-13.53	5304.000	-46.500	-13	-33.50
5724.000	-40.010	-13	-27.01	5724.000	-31.030	-13	-18.03
7634.000	-39.430	-13	-26.43	7634.000	-36.040	-13	-23.04
9538.000	-40.520	-13	-27.52	9544.000	-36.830	-13	-23.83
15267.000	-44.550	-13	-31.55	11454.000	-42.580	-13	-29.58
				15267.000	-40.890	-13	-27.89



4.6.5 Test Data

4.6.5.1 Mode 1



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : Mobile Test Device
Power : 120Vac/60Hz
Model :
Memo :
Plane : CDMA Cellular Link Mode CH1013+Adapter
E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	30.00	-57.01	-44.01	-13.00	-57.37	0.36	Peak
2	71.58	-55.44	-42.44	-13.00	-43.10	-12.35	Peak
3	218.19	-50.94	-37.94	-13.00	-38.19	-12.75	Peak
4	824.30	-55.20			-53.74	-1.46	Peak
5	869.80	-39.46			-38.44	-1.02	Peak
6	1648.00	-40.77	-27.77	-13.00	-41.08	0.31	Peak
7	1738.00	-55.96	-42.96	-13.00	-55.98	0.02	Peak
8	2474.00	-39.17	-26.17	-13.00	-40.33	1.16	Peak
9	3298.00	-42.67	-29.67	-13.00	-47.87	5.20	Peak

Remark:

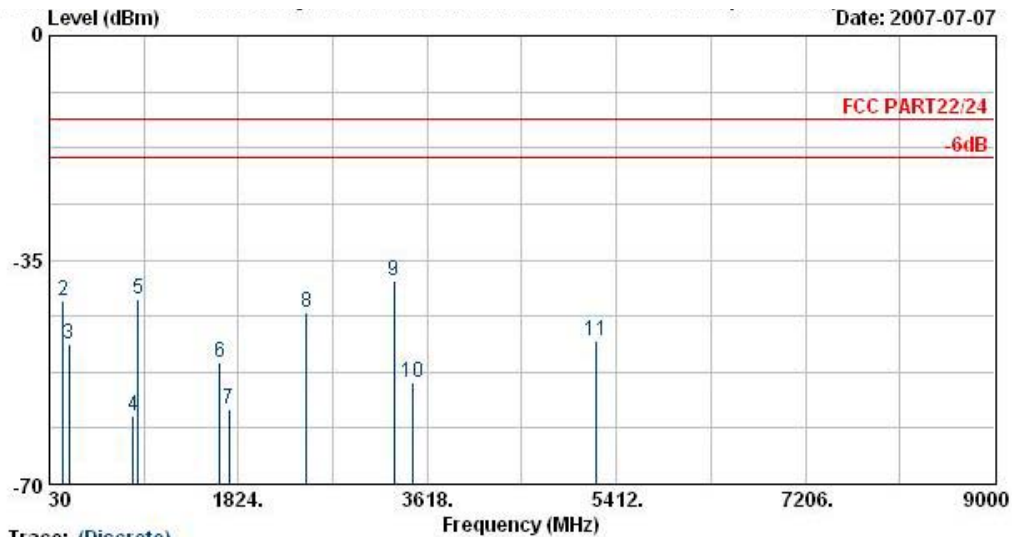
1. #4: MS Signal
2. #5: BS Signal

Remark: There's no more obvious spurious emission except the listings above.



FCC TEST REPORT

Report No. : FG661611-04



Trace: (Discrete)
Site : 03CH06-RY
Condition : HF-SPURIOUS VERTICAL
EUT : Mobile Test Device
Power : 120Vac/60Hz
Model :
Memo : CDMA Cellular Link Mode CH1013+Adapter
Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	33.24	-50.53	-37.53	-13.00	-40.64	-9.89	Peak
2	157.98	-41.34	-28.34	-13.00	-33.13	-8.21	Peak
3	218.19	-48.03	-35.03	-13.00	-39.83	-8.20	Peak
4	824.30	-59.43			-60.69	1.26	Peak
5	869.80	-41.21			-42.84	1.63	Peak
6	1648.00	-50.96	-37.96	-13.00	-50.51	-0.46	Peak
7	1738.00	-58.19	-45.19	-13.00	-57.85	-0.34	Peak
8	2474.00	-43.16	-30.16	-13.00	-45.37	2.21	Peak
9 @	3298.00	-38.26	-25.26	-13.00	-42.52	4.26	Peak
10	3478.00	-54.22	-41.22	-13.00	-59.07	4.85	Peak
11	5218.00	-47.58	-34.58	-13.00	-56.23	8.65	Peak

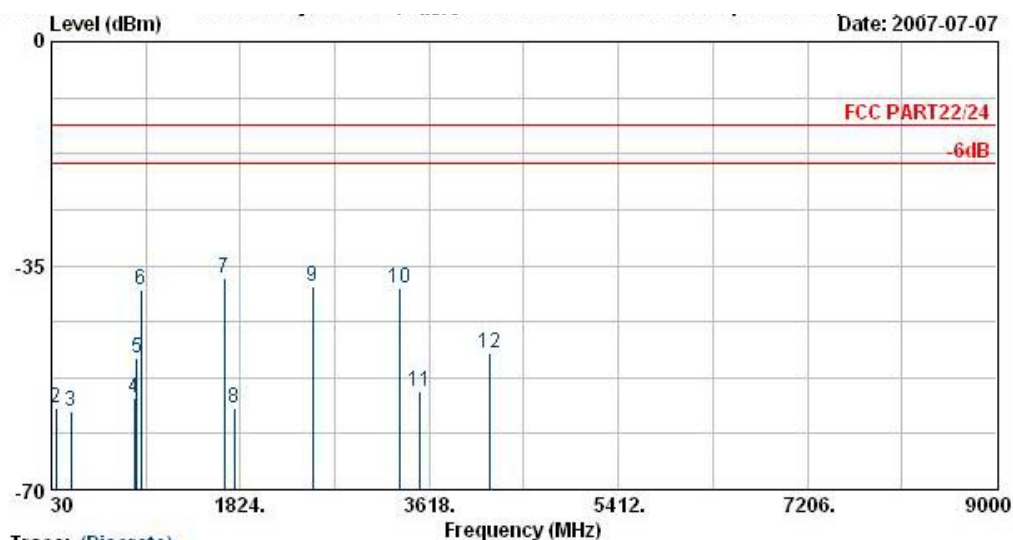
Remark:

1. #4: MS Signal
2. #5: BS Signal

Remark: There's no more obvious spurious emission except the listings above.



4.6.5.2 Mode 2



Trace: (Discrete)

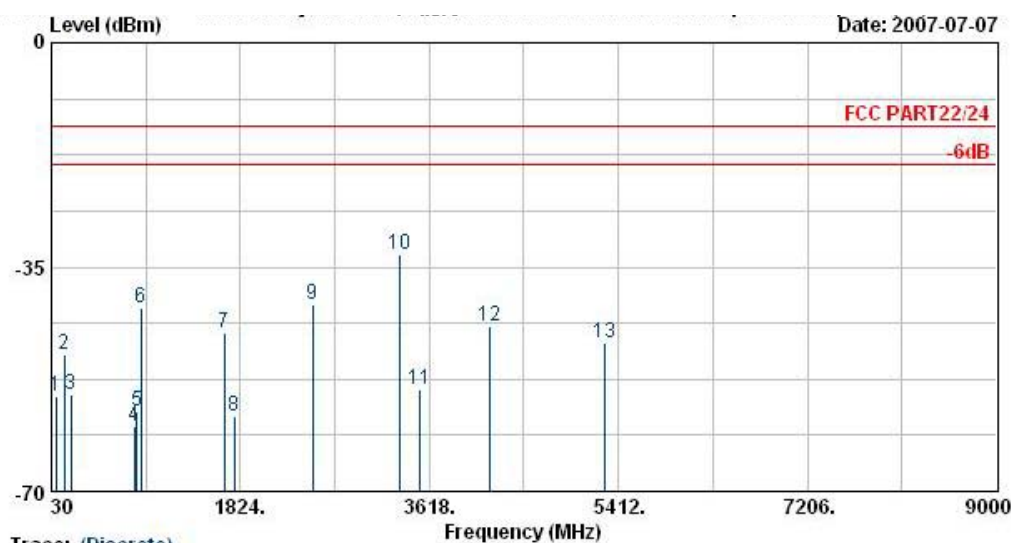
Site : 03CH06-HY
 Condition : HF-SPURIOUS HORIZONTAL
 EUT : Mobile Test Device
 Power : 120Vac/60Hz
 Model :
 Memo :
 Plane : CDMA Cellular Link Mode CH384+Adapter
 E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	30.54	-59.73	-46.73	-13.00	-59.48	-0.25	Peak
2	72.39	-57.28	-44.28	-13.00	-44.94	-12.34	Peak
3	219.54	-57.73	-44.73	-13.00	-45.01	-12.72	Peak
4	817.30	-55.60	-42.60	-13.00	-54.08	-1.52	Peak
5	836.90	-49.47			-48.14	-1.33	Peak
6	880.30	-38.88			-37.96	-0.91	Peak
7	1674.00	-36.89	-23.89	-13.00	-37.12	0.22	Peak
8	1764.00	-57.24	-44.24	-13.00	-57.17	-0.07	Peak
9	2508.00	-38.31	-25.31	-13.00	-39.51	1.20	Peak
10	3344.00	-38.64	-25.64	-13.00	-44.04	5.41	Peak
11	3524.00	-54.60	-41.60	-13.00	-60.49	5.89	Peak
12	4184.00	-48.67	-35.67	-13.00	-58.46	9.79	Peak

Remark:

- #5: MS Signal
- #6: BS Signal

Remark : There is no more obvious emission except the listings above.



Trace: (Discrete)

Site : 03CH06-HY
 Condition : HF-SPURIOUS VERTICAL
 EUT : Mobile Test Device
 Power : 120Vac/60Hz
 Model :
 Memo : CDMA Cellular Link Mode CH384+Adapter
 Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	70.23	-55.12	-42.12	-13.00	-43.10	-12.02	Peak
2	152.58	-48.63	-35.63	-13.00	-40.47	-8.16	Peak
3	216.03	-54.79	-41.79	-13.00	-46.55	-8.24	Peak
4	815.90	-59.95	-46.95	-13.00	-61.14	1.19	Peak
5	836.90	-57.47			-58.83	1.36	Peak
6	880.30	-41.45			-43.16	1.71	Peak
7	1674.00	-45.15	-32.15	-13.00	-44.67	-0.48	Peak
8	1764.00	-58.37	-45.37	-13.00	-58.01	-0.36	Peak
9	2508.00	-40.74	-27.74	-13.00	-43.01	2.27	Peak
10 @	3344.00	-33.09	-20.09	-13.00	-37.56	4.47	Peak
11	3524.00	-54.14	-41.14	-13.00	-59.06	4.93	Peak
12	4184.00	-44.23	-31.23	-13.00	-52.59	8.36	Peak
13	5288.00	-46.77	-33.77	-13.00	-55.43	8.66	Peak

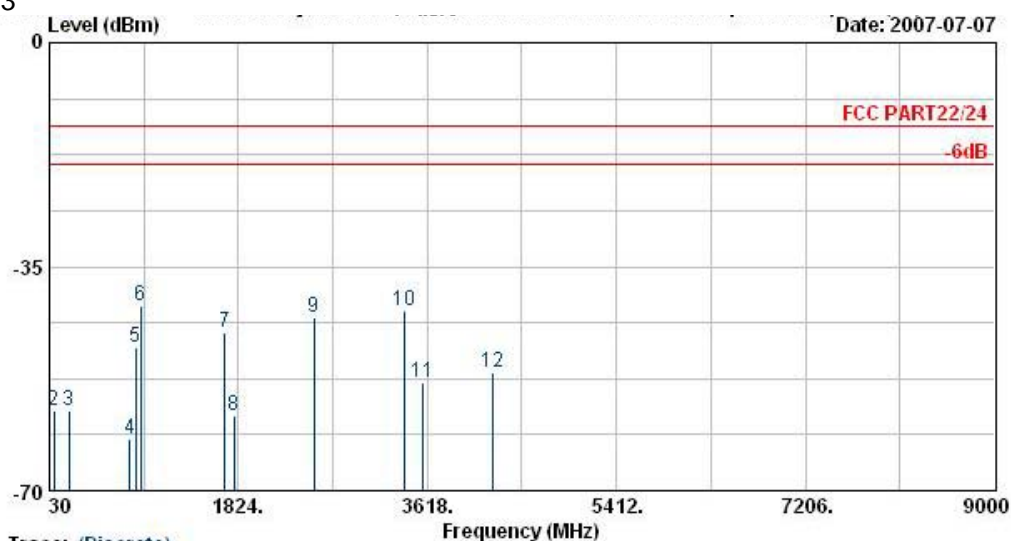
Remark:

- #5: MS Signal
- #6: BS Signal

Remark : There is no more obvious emission except the listings above.



4.6.5.3 Mode 3



Trace: (Discrete)

Site : 03CH06-HY
 Condition : HF-SPURIOUS HORIZONTAL
 EUT : Mobile Test Device
 Power : 120Vac/60Hz
 Model :
 Memo : CDMA Cellular Link Mode CH777+Adapter
 Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	30.00	-59.52	-46.52	-13.00	-59.88	0.36	Peak
2	69.69	-57.39	-44.39	-13.00	-45.04	-12.36	Peak
3	219.54	-57.64	-44.64	-13.00	-44.92	-12.72	Peak
4	796.30	-62.06	-49.06	-13.00	-60.33	-1.73	Peak
5	847.40	-47.60			-46.37	-1.23	Peak
6	892.90	-41.12			-40.33	-0.79	Peak
7	1698.00	-45.37	-32.37	-13.00	-45.51	0.13	Peak
8	1784.00	-58.16	-45.16	-13.00	-58.01	-0.16	Peak
9	2544.00	-42.84	-29.84	-13.00	-44.46	1.61	Peak
10	3394.00	-41.77	-28.77	-13.00	-47.38	5.61	Peak
11	3574.00	-53.17	-40.17	-13.00	-59.51	6.33	Peak
12	4244.00	-51.45	-38.45	-13.00	-61.40	9.95	Peak

Remark:

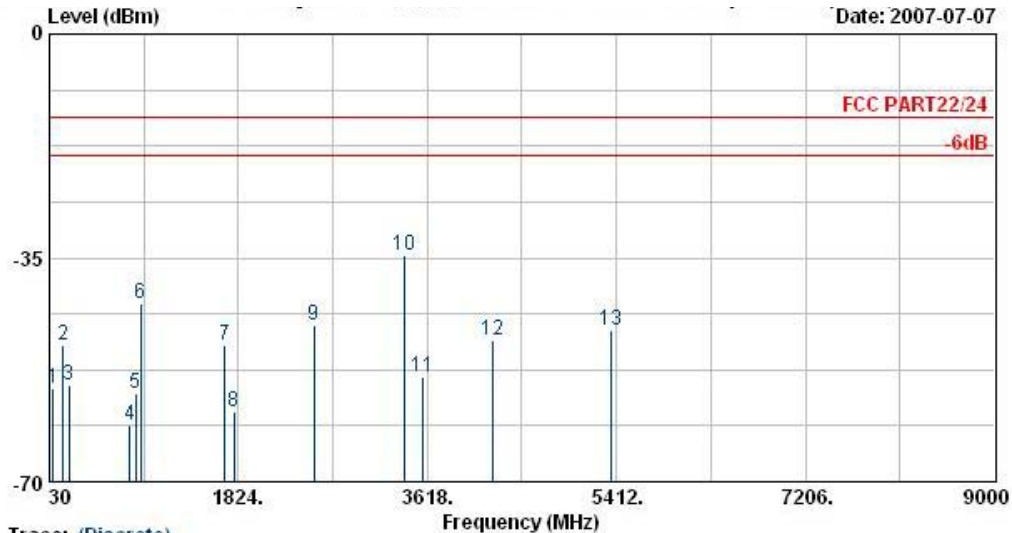
1. #5: MS Signal
2. #6: BS Signal

Remark: There's no more obvious spurious emission except the listings above.



FCC TEST REPORT

Report No. : FG661611-04



Trace: (Discrete)

Site : 03CH06-HY
 Condition : HF-SPURIOUS VERTICAL
 EUT : Mobile Test Device
 Power : 120Vac/60Hz
 Model :
 Memo : CDMA Cellular Link Mode CH777+Adapter
 Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	68.88	-55.36	-42.36	-13.00	-43.19	-12.16	Peak
2	156.63	-48.72	-35.72	-13.00	-40.51	-8.21	Peak
3	216.84	-54.93	-41.93	-13.00	-46.71	-8.22	Peak
4	796.30	-61.12	-48.12	-13.00	-62.13	1.01	Peak
5	847.40	-56.27			-57.72	1.45	Peak
6	892.90	-42.15			-43.96	1.81	Peak
7	1698.00	-48.72	-35.72	-13.00	-48.22	-0.50	Peak
8	1784.00	-58.98	-45.98	-13.00	-58.59	-0.39	Peak
9	2544.00	-45.47	-32.47	-13.00	-47.88	2.42	Peak
10 @	3394.00	-34.73	-21.73	-13.00	-39.40	4.67	Peak
11	3574.00	-53.52	-40.52	-13.00	-58.80	5.28	Peak
12	4244.00	-47.84	-34.84	-13.00	-56.40	8.55	Peak
13	5358.00	-46.37	-33.37	-13.00	-55.05	8.68	Peak

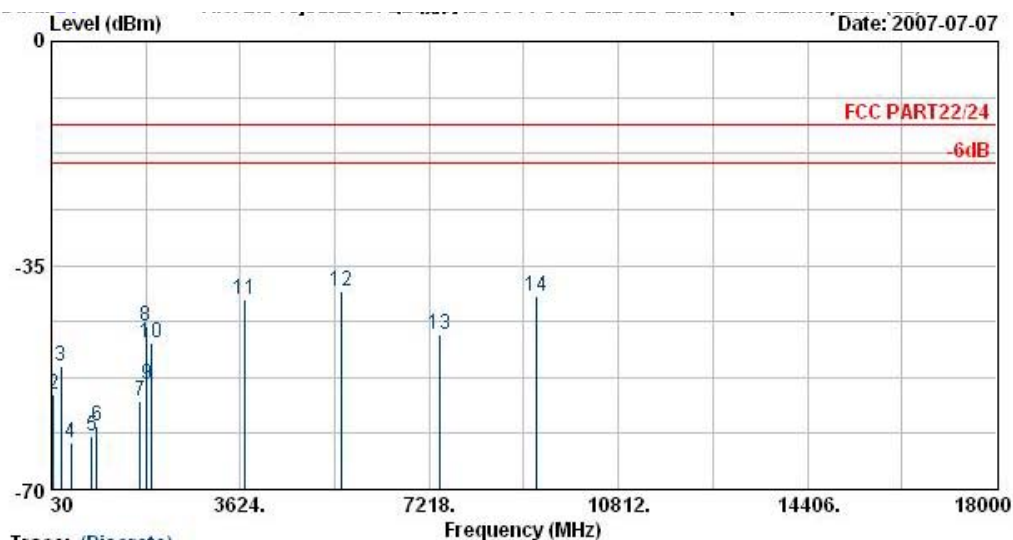
Remark:

- #5: MS Signal
- #6: BS Signal

Remark : There is no more obvious emission except the listings above.



4.6.5.4 Mode 4



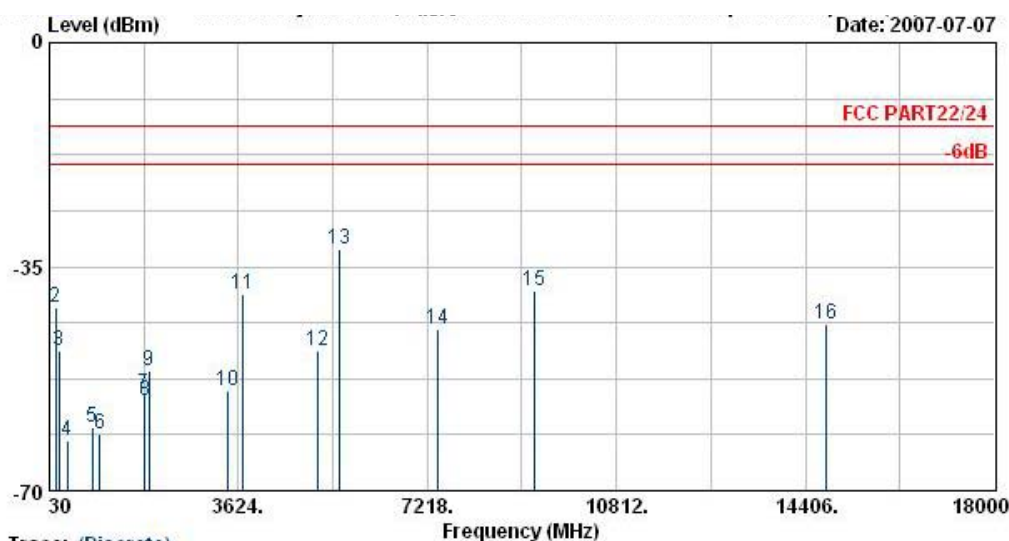
Trace: (Discrete)
Site : 03CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : Mobile Test Device
Power : 120Vac/60Hz
Model :
Memo :
Plane : CDMA PCS Link Mode CH25+Adapter
E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	30.00	-57.13	-44.13	-13.00	-57.49	0.36	Peak
2	73.74	-55.08	-42.08	-13.00	-42.74	-12.34	Peak
3	217.38	-50.78	-37.78	-13.00	-37.99	-12.79	Peak
4	397.30	-62.65	-49.65	-13.00	-56.08	-6.57	Peak
5	796.30	-61.66	-48.66	-13.00	-59.93	-1.73	Peak
6	896.40	-60.00	-47.00	-13.00	-59.24	-0.76	Peak
7	1714.00	-56.32	-43.32	-13.00	-56.40	0.08	Peak
8	1828.00	-44.43	-31.43	-13.00	-44.22	-0.21	Peak
9	1848.00	-53.66			-53.31	-0.34	Peak
10	1928.00	-47.11			-46.30	-0.81	Peak
11	3704.00	-40.24	-27.24	-13.00	-47.66	7.42	Peak
12	5554.00	-39.08	-26.08	-13.00	-48.89	9.81	Peak
13	7404.00	-45.87	-32.87	-13.00	-60.60	14.72	Peak
14	9254.00	-39.90	-26.90	-13.00	-59.24	19.34	Peak

Remark:

1. #9: MS Signal
2. #10: BS Signal

Remark : There is no more obvious emission except the listings above.



Trace: (Discrete)

Site : 03CH06-HV
Condition : HF-SPURIOUS VERTICAL
EUT : Mobile Test Device
Power : 120Vac/60Hz
Model :
Memo :
Plane : CDMA PCS Link Mode CH25+Adapter
E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	33.24	-50.55	-37.55	-13.00	-40.66	-9.89	Peak
2	155.28	-41.28	-28.28	-13.00	-33.09	-8.19	Peak
3	217.38	-48.14	-35.14	-13.00	-39.93	-8.22	Peak
4	378.40	-62.31	-49.31	-13.00	-57.53	-4.78	Peak
5	845.30	-60.09	-47.09	-13.00	-61.52	1.43	Peak
6	992.30	-61.10	-48.10	-13.00	-63.70	2.60	Peak
7	1828.00	-54.82	-41.82	-13.00	-54.52	-0.31	Peak
8	1848.00	-55.87			-55.56	-0.30	Peak
9	1928.00	-51.28			-50.78	-0.50	Peak
10	3434.00	-54.31	-41.31	-13.00	-58.99	4.68	Peak
11	3704.00	-39.37	-26.37	-13.00	-45.57	6.20	Peak
12	5148.00	-48.01	-35.01	-13.00	-56.65	8.64	Peak
13 @	5554.00	-32.27	-19.27	-13.00	-40.81	8.54	Peak
14	7404.00	-44.72	-31.72	-13.00	-57.00	12.28	Peak
15	9254.00	-38.76	-25.76	-13.00	-57.27	18.50	Peak
16	14808.00	-43.90	-30.90	-13.00	-59.92	16.01	Peak

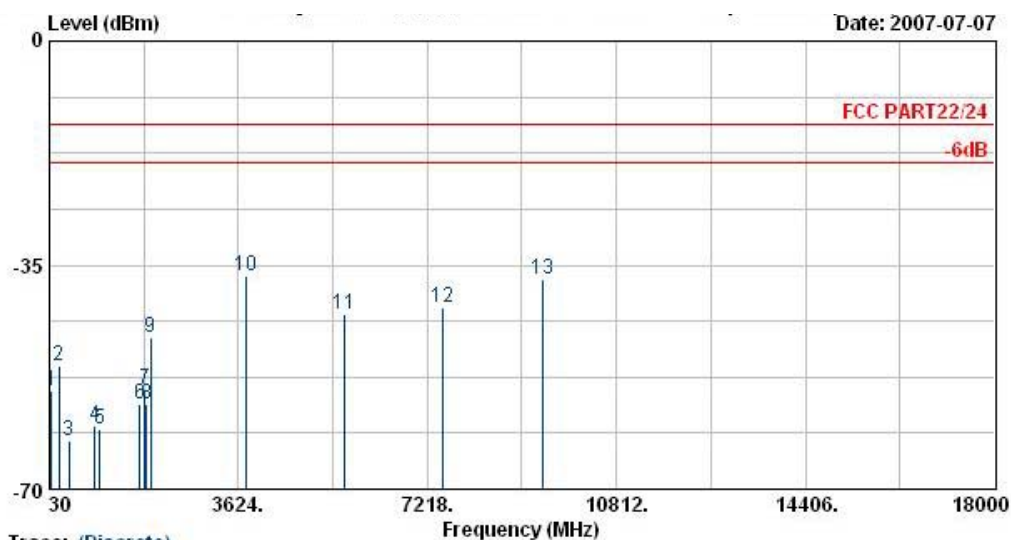
Remark:

- #8: MS Signal
- #9: BS Signal

Remark : There is no more obvious emission except the listings above.



4.6.5.5 Mode 5



Trace: (Discrete)

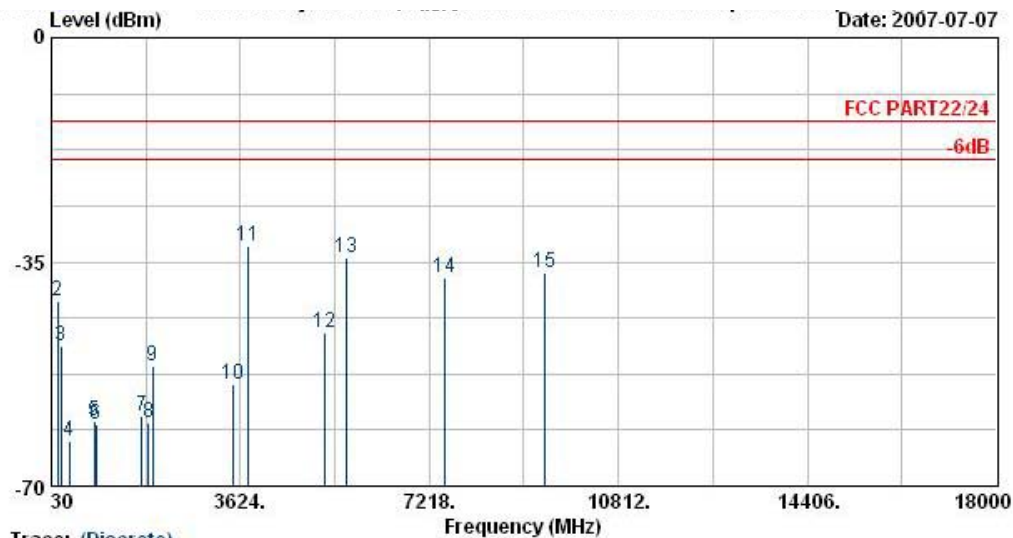
Site : 03CH06-HV
Condition : HF-SPURIOUS HORIZONTAL
EUT : Mobile Test Device
Power : 120Vac/60Hz
Model :
Memo :
Plane : CDMA PCS Link Mode CH600+Adapter
E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	72.39	-54.68	-41.68	-13.00	-42.33	-12.34	Peak
2	218.19	-50.69	-37.69	-13.00	-37.94	-12.75	Peak
3	397.30	-62.34	-49.34	-13.00	-55.77	-6.57	Peak
4	896.40	-60.18	-47.18	-13.00	-59.42	-0.76	Peak
5	994.40	-60.63	-47.63	-13.00	-60.82	0.18	Peak
6	1744.00	-56.74	-43.74	-13.00	-56.77	0.02	Peak
7	1838.00	-54.47	-41.47	-13.00	-54.12	-0.34	Peak
8	1878.00	-56.74			-56.23	-0.51	Peak
9	1958.00	-46.25			-45.14	-1.11	Peak
10	3758.00	-36.62	-23.62	-13.00	-44.54	7.92	Peak
11	5638.00	-42.71	-29.71	-13.00	-52.67	9.97	Peak
12	7518.00	-41.59	-28.59	-13.00	-57.40	15.80	Peak
13	9398.00	-37.11	-24.11	-13.00	-55.34	18.22	Peak

Remark:

1. #8: MS Signal
2. #9: BS Signal

Remark : There is no more obvious emission except the listings above.



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-SPURIOUS VERTICAL
 EUT : Mobile Test Device
 Power : 120Vac/60Hz
 Model :
 Memo :
 Plane : CDMA PCS Link Mode CH600+Adapter
 E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	33.24	-50.51	-37.51	-13.00	-40.62	-9.89	Peak
2	155.28	-41.17	-28.17	-13.00	-32.99	-8.19	Peak
3	218.73	-48.14	-35.14	-13.00	-39.97	-8.18	Peak
4	378.40	-62.92	-49.92	-13.00	-58.14	-4.78	Peak
5	845.30	-59.76	-46.76	-13.00	-61.19	1.43	Peak
6	880.30	-60.44	-47.44	-13.00	-62.15	1.71	Peak
7	1744.00	-58.94	-45.94	-13.00	-58.60	-0.34	Peak
8	1878.00	-60.22			-59.82	-0.40	Peak
9	1958.00	-51.21			-50.62	-0.60	Peak
10	3484.00	-54.02	-41.02	-13.00	-58.86	4.85	Peak
11 @	3758.00	-32.59	-19.59	-13.00	-39.23	6.64	Peak
12	5224.00	-46.19	-33.19	-13.00	-54.83	8.64	Peak
13	5638.00	-34.30	-21.30	-13.00	-42.95	8.65	Peak
14	7518.00	-37.49	-24.49	-13.00	-50.86	13.37	Peak
15	9398.00	-36.77	-23.77	-13.00	-53.97	17.20	Peak

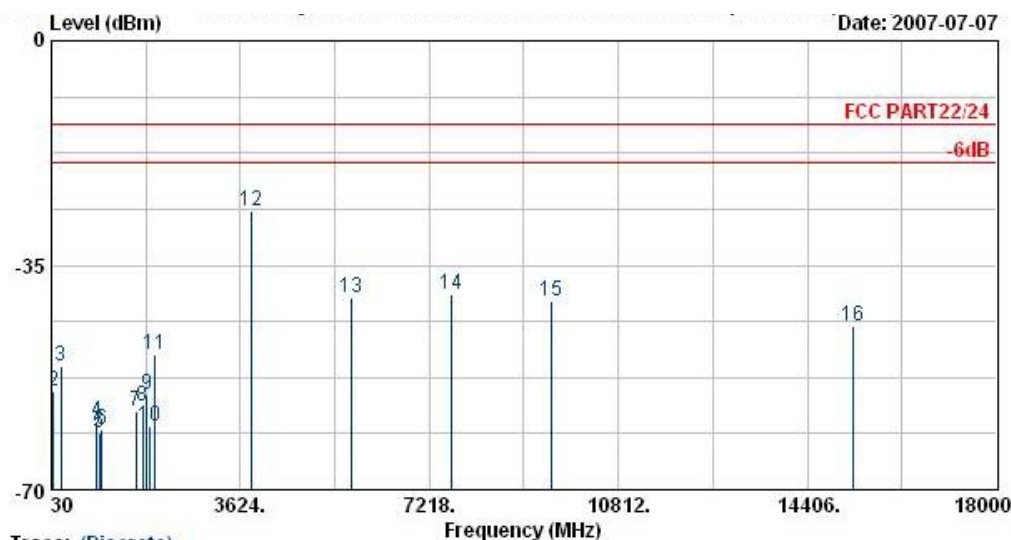
Remark:

- #8: MS Signal
- #9: BS Signal

Remark : There is no more obvious emission except the listings above.



4.6.5.6 Mode 6



Trace: (Discrete)

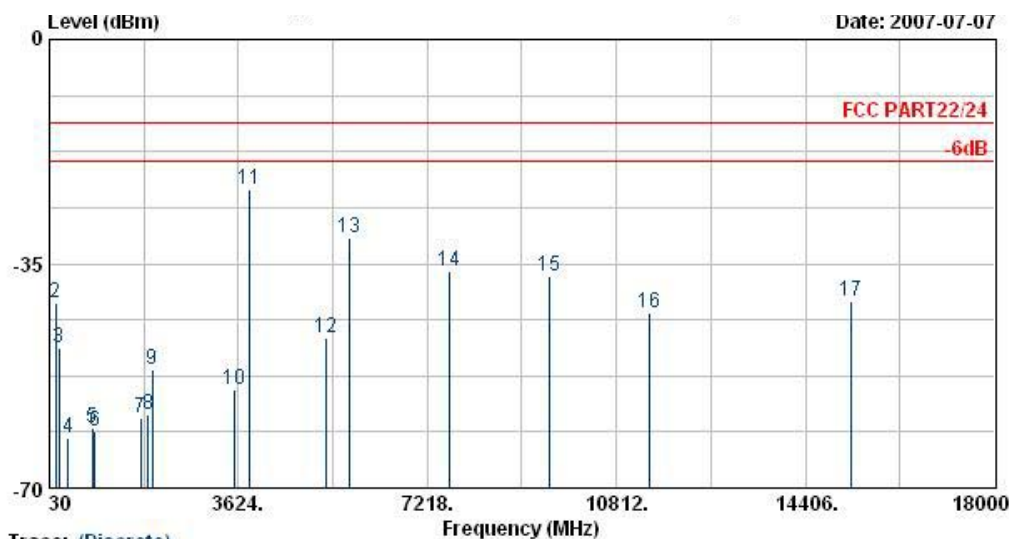
Site : 03CH06-HV
 Condition : HF-SPURIOUS HORIZONTAL
 EUT : Mobile Test Device
 Power : 120Vac/60Hz
 Model :
 Memo :
 Plane : CDMA PCS Link Mode CH1175+Adapter
 E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	33.24	-56.71	-43.71	-13.00	-55.25	-1.47	Peak
2	72.39	-54.68	-41.68	-13.00	-42.33	-12.34	Peak
3	217.38	-50.77	-37.77	-13.00	-37.98	-12.79	Peak
4	894.30	-59.44	-46.44	-13.00	-58.65	-0.78	Peak
5	945.40	-61.19	-48.19	-13.00	-60.91	-0.28	Peak
6	994.40	-60.54	-47.54	-13.00	-60.73	0.18	Peak
7	1644.00	-57.64	-44.64	-13.00	-57.95	0.31	Peak
8	1768.00	-57.00	-44.00	-13.00	-56.94	-0.07	Peak
9	1838.00	-55.23	-42.23	-13.00	-54.89	-0.34	Peak
10	1908.00	-60.18			-59.37	-0.81	Peak
11	1988.00	-48.89			-47.62	-1.28	Peak
12	3818.00	-26.53	-13.53	-13.00	-34.86	8.32	Peak
13	5724.00	-40.01	-27.01	-13.00	-50.13	10.12	Peak
14	7634.00	-39.43	-26.43	-13.00	-56.16	16.73	Peak
15	9538.00	-40.52	-27.52	-13.00	-58.60	18.07	Peak
16	15267.00	-44.55	-31.55	-13.00	-60.80	16.25	Peak

Remark:

1. #10: MS Signal
2. #11: BS Signal

Remark : There is no more obvious emission except the listings above.



Trace: (Discrete)

Site : 03CH06-HV
Condition : HF-SPURIOUS VERTICAL
EUT : Mobile Test Device
Power : 120Vac/60Hz
Model :
Memo : CDMA PCS Link Mode CH1175+Adapter
Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	32.43	-50.24	-37.24	-13.00	-40.35	-9.89	Peak
2	155.28	-41.24	-28.24	-13.00	-33.05	-8.19	Peak
3	215.49	-48.09	-35.09	-13.00	-39.84	-8.26	Peak
4	379.80	-62.16	-49.16	-13.00	-57.42	-4.74	Peak
5	845.30	-60.50	-47.50	-13.00	-61.94	1.43	Peak
6	896.40	-61.07	-48.07	-13.00	-62.90	1.83	Peak
7	1768.00	-59.08	-46.08	-13.00	-58.71	-0.36	Peak
8	1908.00	-58.66			-58.16	-0.50	Peak
9	1988.00	-51.48			-50.79	-0.69	Peak
10	3534.00	-54.56	-41.56	-13.00	-59.48	4.93	Peak
11 @	3818.00	-23.48	-10.48	-13.00	-30.42	6.94	Peak
12	5304.00	-46.50	-33.50	-13.00	-55.20	8.69	Peak
13	5724.00	-31.03	-18.03	-13.00	-39.80	8.77	Peak
14	7634.00	-36.04	-23.04	-13.00	-50.40	14.36	Peak
15	9544.00	-36.83	-23.83	-13.00	-53.73	16.90	Peak
16	11454.00	-42.58	-29.58	-13.00	-60.64	18.05	Peak
17	15267.00	-40.89	-27.89	-13.00	-56.37	15.49	Peak

Remark:

1. #8: MS Signal
2. #9: BS Signal

Remark : There is no more obvious emission except the listings above.

4.7 Frequency Stability (Temperature Variation)

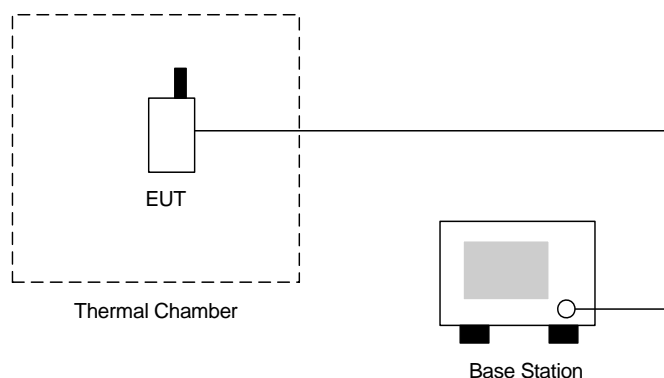
4.7.1 Measurement Instrument

As described in chapter 5 of this test report.

4.7.2 Test Procedure

1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was noted within one minute.
3. With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The temperature tests were performed for the worst case.
5. Test data was recorded.

4.7.3 Test Setup Layout



**4.7.4 Test Result**

- Test Mode : CDMA2000 Cellular 850 1xRTT FCH+SCH_RC3 CH384

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-61	-0.07	2.5	Passed
-20	-26	-0.03		
-10	-18	-0.02		
0	-12	-0.01		
10	-9	-0.01		
20	8	0.01		
30	14	0.02		
40	-12	-0.01		
50	28	0.03		

- Test Mode : CDMA2000 Cellular 850 1xEV-DO 153.6Kbps CH384

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-31	-0.04	2.5	Passed
-20	-24	-0.03		
-10	-18	-0.02		
0	11	0.01		
10	-8	-0.01		
20	-14	-0.02		
30	21	0.02		
40	16	0.02		
50	30	0.04		

- Test Mode : CDMA2000 PCS 1900 1xRTT FCH_RC3 CH600

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-42	-0.02	2.5	Passed
-20	-35	-0.02		
-10	-24	-0.01		
0	-12	-0.01		
10	10	0.01		
20	9	0.00		
30	-14	-0.01		
40	30	0.02		
50	25	0.01		



- Test Mode : CDMA2000 PCS 1900 1xEV-DO 153.6Kbps CH600

Temperature(°C)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
-30	-35	-0.02	2.5	Passed
-20	-28	-0.01		
-10	-17	-0.01		
0	-12	-0.01		
10	-9	0.00		
20	9	0.00		
30	24	0.01		
40	12	0.01		
50	14	0.01		

4.8 Frequency Stability (Voltage Variation)

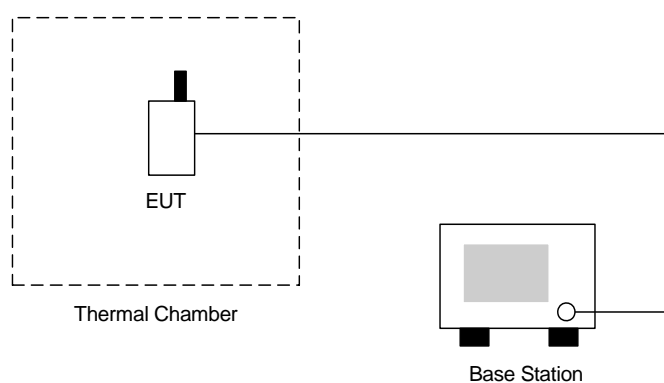
4.8.1 Measurement Instrument

As described in chapter 5 of this test report.

4.8.2 Test Procedure

1. The EUT was placed in a temperature chamber at $25 \pm 5^{\circ}\text{C}$ and connected as the following section.
2. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

4.8.3 Test Setup Layout



4.8.4 Test Result

- Test Mode : CDMA2000 Cellular 850 1xRTT FCH+SCH_RC3 CH384

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	14.0	0.02	2.5	Passed
BEP	-8.0	-0.01		
4.2	12.0	0.01		

- Test Mode : CDMA2000 Cellular 850 1xEV-DO 153.6Kbps CH384

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	-14.0	-0.02	2.5	Passed
BEP	20.0	0.02		
4.2	18.0	0.02		

- Test Mode : CDMA2000 PCS 1900 1xRTT FCH_RC3 CH600

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	14.0	0.01	2.5	Passed
BEP	-6.0	0.00		
4.2	16.0	0.01		

- Test Mode : CDMA2000 PCS 1900 1xEV-DO 153.6Kbps CH600

Voltage(Volt)	Change (Hz)	Change (ppm)	Limit (ppm)	Result
3.7	14.0	0.01	2.5	Passed
BEP	-9.0	0.00		
4.2	18.0	0.01		

Remark:

- Normal Voltage=3.7 V.
- Battery End Point (BEP)=3.2 V.



5 List of Measurement Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
Spectrum analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Oct. 05, 2006	Oct. 04, 2007	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 13, 2006	Jul. 12, 2007	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Com-Power	AH118	071025	1G~18G	Jun. 04, 2007	Jun. 04, 2008	Radiation (03CH06-HY)
SHF-EHF Horn	SCHWARZBECK	BBHA 9170	9170-249	14G - 40G	Nov. 20, 2006	Nov. 19, 2008	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1G - 26.5G	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Pre Amplifier	Mini Circuits	ZKL-2	D092004-1	10~2500MHz	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Base Station Simulator	R & S	CMU200	106656	WCDMA	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Controller	INN-CO	CO2000	N/A	N/A	N/A	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0 ~ 360 degree	N/A	N/A	Radiation (03CH06-HY)
Antenna Mast	INN-CO	MM3000	114/8000604/L	1 m - 4 m	N/A	N/A	Radiation (03CH06-HY)
Thermal Chamber	Ten Billion	TTH-D35P	TBN-930701	N/A	Jul. 24, 2006	Jul. 23, 2007	Conducted (TH02-HY)
Spectrum Analyzer	R&S	FSP40	100055	9KHz~40GHz	Jun. 25, 2007	Jun. 24, 2008	Conducted (TH02-HY)
Power Supply	TOPWARD	3303D	740889	N/A	May 25, 2007	May 24, 2008	Conducted (TH02-HY)

6 Uncertainty Evaluation

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

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.41	Normal(k=2)	0.21
Antenna factor calibration	0.83	Normal(k=2)	0.42
Cable loss calibration	0.25	Normal(k=2)	0.13
Pre Amplifier Gain calibration	0.27	Normal(k=2)	0.14
RCV/SPA specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site imperfection	1.43	Rectangular	0.83
Mismatch	+0.39/-0.41	U-shaped	0.28
combined standard uncertainty Uc(y)	1.27		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.54		

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

Contribution	Uncertainty of x_i		$u(x_i)$	C_i	$C_i * u(x_i)$
	dB	Probability Distribution			
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20 \log(1 - \Gamma_1 * \Gamma_2 * \Gamma_3)$	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty Uc(y)	2.36				
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	4.72				

END OF TEST REPORT



Appendix D. – CDMA2000 1XEV-DO and 1XRTT Test Modes

Test Summary:

The EUT supports IS95 2G networks, CDMA 2000 1X RTT ,and 1xEVDO Rev. 0 for Cellular band and PCS band. The maximum output power is chosen for EMC and SAR testing for worst case scenario. A full EMC measurement in this report is done in CDMA2000 1XEV-DO mode with the uplink data rate 38.4kbps for Cellular band, and CDMA 1X RTT FCH_RC1 for PCS band 1900.

Based on all the uplink channels using the same modulation type, BPSK, and those maximum output power are very closer, above test modes could reflect compliance under all operational modes.

Maximum output power list:

Bands	Test Mode	Test Status	Modulation Type	Channel	Frequency (MHz)	Conducted Power (dBm)
CDMA2000 Cellular 850	CDMA 1xRTT	FCH_RC1	BPSK	1013	824.70 (Low)	25.71
			BPSK	384	836.52 (Mid)	25.80
			BPSK	777	848.31 (High)	25.50
		FCH_RC3	BPSK	1013	824.70 (Low)	25.76
			BPSK	384	836.52 (Mid)	25.89
			BPSK	777	848.31 (High)	25.56
		FCH+SCH_RC3	BPSK	1013	824.70 (Low)	25.76
			BPSK	384	836.52 (Mid)	25.91
			BPSK	777	848.31 (High)	25.56
	CDMA 1xEV-DO	EVDO-UL: 9.6Kbps	BPSK	1013	824.70 (Low)	24.82
			BPSK	384	836.52 (Mid)	24.98
			BPSK	777	848.31 (High)	25.06
		EVDO-UL: 38.4Kbps	BPSK	1013	824.70 (Low)	24.89
			BPSK	384	836.52 (Mid)	24.98
			BPSK	777	848.31 (High)	25.07
		EVDO-UL: 153.6Kbps	BPSK	1013	824.70 (Low)	25.20
			BPSK	384	836.52 (Mid)	25.34
			BPSK	777	848.31 (High)	25.21



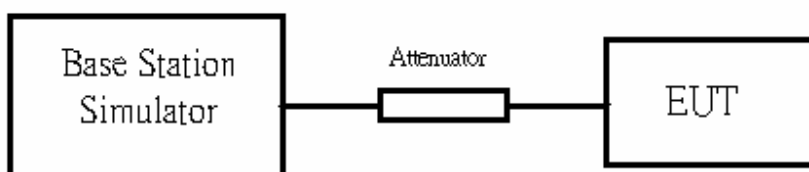
Bands	Test Mode	Test Status	Modulation Type	Channel	Frequency (MHz)	Conducted Power (dBm)
CDMA2000 PCS 1900	CDMA 1xRTT	FCH_RC1	BPSK	25	1851.25 (Low)	25.81
			BPSK	600	1880.00 (Mid)	25.69
			BPSK	1177	1908.75 (High)	25.78
		FCH_RC3	BPSK	25	1851.25 (Low)	25.85
			BPSK	600	1880.00 (Mid)	25.62
			BPSK	1177	1908.75 (High)	25.74
		FCH+SCH_RC1	BPSK	25	1851.25 (Low)	25.70
			BPSK	600	1880.00 (Mid)	25.75
			BPSK	1177	1908.75 (High)	25.81
	CDMA 1xEV-DO	EVDO-UL: 9.6Kbps	BPSK	25	1851.25 (Low)	24.93
			BPSK	600	1880.00 (Mid)	25.20
			BPSK	1177	1908.75 (High)	24.78
		EVDO-UL: 38.4Kbps	BPSK	25	1851.25 (Low)	25.03
			BPSK	600	1880.00 (Mid)	25.24
			BPSK	1177	1908.75 (High)	24.85
		EVDO-UL: 153.6Kbps	BPSK	25	1851.25 (Low)	25.25
			BPSK	600	1880.00 (Mid)	25.33
			BPSK	1177	1908.75 (High)	25.13

Band edge list:

Bands	Test Mode	Test Status	Channel	Frequency (MHz)	Measurement Value (dBm)	Correction Factor (dB)	Band Edge (dBm)
CDMA2000 Cellular 850	CDMA 1xRTT	FCH_RC1	1013	824.70 (Low)	-16.06	1.06	-15.00
			777	848.31 (High)	-14.96	1.06	-13.90
		FCH_RC3	1013	824.70 (Low)	-16.03	1.06	-14.97
			777	848.31 (High)	-15.74	1.06	-14.68
		FCH+SCH_RC3	1013	824.70 (Low)	-15.62	1.06	-14.56
			777	848.31 (High)	-15.55	1.06	-14.49
	CDMA 1xEV-DO	EVDO-UL: 9.6Kbps	1013	824.70 (Low)	-16.36	1.06	-15.30
			777	848.31 (High)	-15.41	1.06	-14.35
		EVDO-UL: 38.4Kbps	1013	824.70 (Low)	-15.96	1.06	-14.90
			777	848.31 (High)	-16.18	1.06	-15.12
		EVDO-UL: 153.6Kbps	1013	824.70 (Low)	-15.46	1.06	-14.40
			777	848.31 (High)	-15.87	1.06	-14.81



Bands	Test Mode	Test Status	Channel	Frequency (MHz)	Measurement Value (dBm)	Correction Factor (dB)	Band Edge (dBm)
CDMA2000 PCS 1900	CDMA 1xRTT	FCH_RC1	25	1851.25 (Low)	-25.12	1.04	-24.08
			1177	1908.75 (High)	-29.53	1.04	-28.49
		FCH_RC3	25	1851.25 (Low)	-25.82	1.04	-24.78
			1177	1908.75 (High)	-28.98	1.04	-27.94
		FCH+SCH_RC1	25	1851.25 (Low)	-25.22	1.04	-24.18
			1177	1908.75 (High)	-28.05	1.04	-27.01
	CDMA 1xEV-DO	EVDO-UL: 9.6Kbps	25	1851.25 (Low)	-29.76	1.04	-28.72
			1177	1908.75 (High)	-23.65	1.04	-22.61
		EVDO-UL: 38.4Kbps	25	1851.25 (Low)	-29.98	1.04	-28.94
			1177	1908.75 (High)	-26.88	1.04	-25.84
		EVDO-UL: 153.6Kbps	25	1851.25 (Low)	-30.07	1.04	-29.03
			1177	1908.75 (High)	-27.26	1.04	-26.22

Setup Configuration

1. The EUT was connected to Base Station, Agilent 8960.
Refer to the drawing of Setup Configuration.
2. The RF path losses was compensated into the measurements.
3. A call was established between EUT and Base Station for each modes with following settings:
 - a. Set the Power control All Up for FCH_RC3 and FCH_RC1 with Service Option 55.
 - b. Set the Power control All Up for FCH+SCH with Service Option 32.
 - c. Set the Power control All Up for different rates on CDMA2000 1XEV-DO.
4. The transmitted maximum output power was recorded.

Test Mode 1 in Radio Configuration 1 (FCH_RC1)

Call Setup Screen							
Call Control	Active Cell Operating Mode						Call Parms
	Mobile Station Information ESN (Hex): 0x6C3D3AE ESN (Dec): 108-03330990 MCC: MNC: MSIN: 3163712588 Slot Class: Slotted Slot Cycle Index: 2						Cell Power -86.00 dBm/1.23 MHz Cell Band US PCS Channel 1175
	FCH Service Option Setup						Value
	Service Option for Fud1, Rvs1						\$055 (Loopback)
	Service Option for Fud2, Rvs2						\$09 (Loopback)
	Service Option for Fud3, Rvs3						\$032 (+ SCH)
	Service Option for Fud4, Rvs3						\$055 (Loopback)
	Service Option for Fud5, Rvs4						\$055 (Loopback)
Close Menu							Protocol Rev 6 (IS-2000) Radio Config (Fud1, Rvs1) \$055 (Loopback) FCH Service Option Setup
	Background		Active Cell Idle		Sys Type: IS-2000		
		IntRef	Offset				1 of 3

Test Mode 1 in Radio Configuration 1 (FCH_RC1)



Test Mode 3 in Radio Configuration 3 (FCH+SCH)

Call Setup Screen				
Call Control	Active Cell Operating Mode	Call Params		
Operating Mode	Mobile Station Information ESN (Hex): 0x6C32D3AE ESN (Dec): 108-03330990 NCC: NNC: NSIN: 3163712588 Slot Class: Slotted Slot Cycle Index: 2 Protocol Revision: 6 (IS-2000_Rev0) Band Class: US Cell 1 US PCS MS Operating Mode: CDMA Max EIRP (dBm): (Fud1, Rvs1) 7 Registration: (Fud2, Rvs2) QPSK Support: (Fud3, Rvs3) Enhanced RC: (Fud4, Rvs3) Min Power Co: (Fud5, Rvs4) MS Called Pa: Background Active Cell Connected + Data Sys Type: IS-2000	Cell Power	-86.00	
Active Cell		dBm/1.23 MHz		
System Type		IS-2000	Cell Band	US PCS
End Call			Channel	1175
Paging INSI Setup			Protocol Rev	6 (IS-2000)
Handoff Setup			Radio Config	(Fud3, Rvs3)
				\$032 (+ SCH)
			FCH Service Option Setup	
1 of 2				1 of 3

Test Mode 3 in Radio Configuration 3 (Service Option32)

Call Setup Screen				
Call Control	Active Cell Operating Mode	Call Params		
Operating Mode	Access Terminal Information (AT Reported) Session Seed: 0x7722375A Hardware ID Type (Hex): 0x010000 ESN Hardware ID (Hex): 0x602D699F Hardware ID (Decimal): 096-02976159 Access Terminal Information (AN Assigned) UATI 024: 2 UATI Color Code: 64 MAC Index: 5 Access Terminal Information (User Entered) AT Max Power: 23 dBm/1.23 MHz Application Configuration Session Application Type: Test Application Test Application Protocol: RTAP Limited TAP: Off AT Directed Packets: 50 % ACK Channel Bit Fixed Node Attribute: On Background Active Cell Session Open Sys Type: IS-856 Logging: No Conn.	Cell Power	-60.00	
Active Cell		dBm/1.23 MHz		
Start Data Connection			Cell Band	US PCS
Close Session			Channel	675
Handoff Setup			Application Config	
AT Max Power		23 dBm/1.23 MHz	FTAP Rate	307.2 kbps
			(2 Slot, QPSK)	
			RTAP Rate	153.6 kbps
1 of 3				1 of 3

1XEVD0 setting with RTAP 153.6kbps

Reference:

- [1.] SAR Measurement Procedures for 3G Devices CDMA 2000/Ev-Do/WCDMA/HSDPA, June 2006 Laboratory Division Office of Engineering and Technology Federal Communications Commission
- [2.] 3.1.2.3.4 Maximum RF Output Power 3GPP2 C.S0033-0 Version 2.0, Date: 12 December 2003 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal