



## CFR 47 Part 2,22,24 Test Report

Test Report Number: WR1079.201

**Terminal device:** FCC ID: QMNRM-154, Model: 6275i, HWID: 2000, SW: BL100b05.nep

Originator: Hai To  
Function: TCC - Dallas – EMC  
Version/Status: 2.0 Approved  
Location: QATrax Directories  
Date: 23-Jun-06

### Change History:

Version	Date	Status	Handled By	Comments
0.1	17-May-06	Draft	Hai To	
0.2	17-May-06	Proposal	Hai To	
0.3	5-Jun-06	Reviewed	Viet Do	
1.0	5-Jun-06	Approved	Viet Do	
1.1	22-Jun-06	Draft	Hai To	
2.0	23-Jun-06	Approved	Viet Do	

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23-Jun-06

For the contents:

Hai To  
Test Operator

Viet Do  
Technical Review

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## 1. GENERAL

### 1.1 Quality System

The quality system in place for TCC-Dallas conforms to ISO/IEC 17025 and has been audited to the standard by A2LA (American Association of Laboratory Accreditation). TCC - Dallas has also been audited using the ISO 9000 Quality System, as part of Nokia Mobile Phones, Inc., by ABS (American Bureau of Shipping) Quality Evaluations Inc.

TCC-Dallas is a recognized laboratory with the Federal Communications Commission in filing applications for Certification under Parts 15 and 18, Registration Number 100060, and Industry Canada, Registration Number IC 661N.

### 1.2 Objective

All tests and measurement data shown was performed to determine whether the selected handset was in compliance as specified in FCC: CFR47 Parts 2.947, 2.1033(c), 2.1041, 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, Part 22, and Part 24.

### 1.3 Test Summary

**Test Results:** *The test result relates only to those tested devices mentioned in Section 4 of this test report.*

Test Performed	Reference	Section of Report	Complies / Does not comply / Not Tested
RF Power Output (Conducted)	FCC Part 2.1046	6	Complies
Modulation Requirements: TX Audio Frequency Response	FCC Part 2.1047(a)	7	Complies
Modulation Requirements: Modulation Limiting	FCC Part 2.1047(b)	8	Complies
Occupied Bandwidth: Transmitter Conducted Measurements	FCC Part 2.1049	9	Complies
Spurious Emissions at Antenna Terminals	FCC Part 2.1051	10	Complies
Emission In Receiver Critical Band	FCC Part. 22.917	11	Complies
Frequency Stability (Temperature Variation)	FCC Part 2.1055(a)	12	Complies
Frequency Stability (Voltage Variation)	FCC Part 2.1055(d)	13	Complies

## 2. STANDARDS BASIS

***Testing has been carried out in accordance with:***

REF.	Code of the standard	Name of the standard
1	ANSI C63.4	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz.
2	FCC: CFR 47 Part 2	Code of Federal Regulations (CFR) Title 47, Part 2 – Frequency Allocations and Radio Treaty Matters; General Rules and Regulations: Subpart J – Equipment Authorization Procedures
3	FCC: CFR 47 Part 22	Code of Federal Regulations (CFR) Title 47, Part 22 – Public Mobile Services: Subpart H – Cellular Radiotelephone Service
4	FCC: CFR 47 Part 24	Code of Federal Regulations (CFR) Title 47, Part 24 – Personal Communications Services: Subpart E – Broadband PCS
5	RSS-129	800 MHz Dual-Mode CDMA Cellular Telephones
6	RSS-132	800 MHz Cellular Telephones Employing New Technologies
7	RSS-133	2 GHz Personal Communications Services, Industry Canada
8	RSS-212	Test Facilities and Test Methods for Radio Equipment, Industry Canada (Provisional)
9	RSP-100	Radio Equipment Certification Procedure

Note: Unless otherwise stated, (by reference to a version number and a publication date), the latest version of the above documents applies.

***Deviations:***

Not Applicable.



## 3. LIST OF ABBREVIATIONS, ACRONYMS AND TERMS

### 3.1 Abbreviations

dB - decibel

dBc - decibels from carrier

dBm - decibels per milliwatt (absolute measurement)

GHz - gigahertz or 1000000000 hertz

kHz - kilohertz or 1000 hertz

MHz - megahertz or 1000000 hertz

### 3.2 Acronyms

AMPS - Advanced Mobile Phone System

BSS - Base Station Simulator

CDMA - Code Division Multiple Access

EDRP - Effective Dipole Radiated Power

EIRP - Effective Isotropic Radiated Power

EMC - Electromagnetic Compatibility

EMI - Electromagnetic Interference

ERP - Effective Radiated Power

EUT - Equipment under Test

GSM - Global System for Mobile communications

PCS - Personal Communications Services

RF - Radio Frequency

TDMA - Time Division Multiple Access

### 3.3 Terms

Base Station Simulator (BSS) - simulates all the necessary signals that a phone would experience while on a live network. There are many types of base station simulators catering for all current protocols, i.e., GSM, AMPS, TDMA, and CDMA.

Cellular - refers to a frequency in the 800MHz band.

PCS - refers to a frequency in the 1900MHz band.



## 4. EQUIPMENT-UNDER-TEST (EUT)

*The results in this report relate only to the items listed below:*

### 4.1 Description of Tested Device(s):

Test Performed	Mode of Operation	Date of Receipt	Condition of Sample	Item	Identifying Information
FCC Part 2.1046 FCC Part 2.1047 FCC Part 2.1049 FCC Part 2.1051 FCC 22.917 FCC Part 2.1055	AMPS 800/1900	17-May-06	Working	Phone "Black Cover"	FCC ID: QMNRM-154 Model: 6275i HW: B2.0 SW: BL100b05.nep ESN: 02601193613
FCC Part 2.1046 FCC Part 2.1047 FCC Part 2.1049 FCC Part 2.1051 FCC 22.917 FCC Part 2.1055	AMPS 800/1900	17-May-06	Working	Battery	Type: BL-6C

### 4.2 Photograph of Tested Device(s):

Refer to attached EXHIBITS



## 5. TEST EQUIPMENT LIST

The listing below indicates the test equipment utilized for the test (s). Calibration interval on all items listed can be obtained from the Engineering Services Group within NMP, Product Creation - Dallas. Where relevant, measuring equipment is subjected to in-service checks between testing. TCC - Dallas shall notify clients promptly, in writing, of identification of defective measuring equipment that casts doubt on the validity of results given in this report.

Section of Report	NMP#	Test Equipment	Mfr. #	Model #	Calibration Due Date	Calibration Interval
6,7,8,9,10	N/A	6dB Attenuator	Weinshcel	Model 2	Na	12 months
6,7,8,9,10,11,12,13	02666	Base Station	R&S	CMU200	30-June-06	12 months
6,7,8,9,10,11,12,13	02679	EMI Receiver	HP	E7405A	6-Sept-07	12 Months
6,7,8,9,10	00087	Synthesized Fun/Sweep Generator	HP	3324A	31-Oct-06	12Months
12,13	00837	Temperature Chamber	Tenney Environmental	N/A	20-Oct-06	12 months



## 6. RF POWER OUTPUT (CONDUCTED)

*Specification: FCC Part 2.1046(a), 22.913(a), 24.232(b)(c)*

### 6.1 Setup

Testing was performed with the EUT connected to a 6dB splitter and then to the RF Power Meter to measure the conducted RF power output. The base station simulator was connected to the other port of the splitter to establish a call.

### 6.2 Pass/Fail Criteria

Not Applicable

### 6.3 Detailed Test Results

Test Technician / Engineer	Bob Alexander
Date of Measurement	17-May-06
Temperature	24°C
Humidity	27 %RH
Test Result	Was operated at max power and tested in accordance with FCC Part 2.1046(a), 22.913(a), 24.232(b)(c).

**Note: RF Conducted measurements were performed with, Average Power reading.**

#### AMPS

Channel	Freq Max (MHz)	Max (mW)	Max (dBm)
991	824.04 MHz	295.1	24.7
384	836.52 MHz	302.0	24.8
799	848.97 MHz	295.1	24.7

#### CDMA 800

Channel	Freq Max (MHz)	Max (mW)	Max (dBm)
1013	824.70 MHz	309.0	24.9
384	836.52 MHz	309.0	24.9
777	848.31 MHz	309.0	24.9

#### CDMA 1900

Channel	Freq Max (MHz)	Max (mW)	Max (dBm)
25	1851.25 MHz	234.4	23.7
600	1880.00 MHz	234.4	23.7
1175	1908.75 MHz	229.1	23.6

## 7. TX AUDIO FREQUENCY RESPONSE

*Specification: FCC Part 2.1047(a)*

### 7.1 Setup

The audio signal generator was connected to the audio input circuit/microphone of the EUT.

The audio signal input was adjusted to obtain 20% modulation at 1kHz, and this point was taken as the 0dB reference level.

With input levels held constant and below limiting at all frequencies, the audio generator was varied from 100Hz to 50kHz.

The response in dB relative to 1kHz was then measured, using the HP 8901B modulation analyzer.

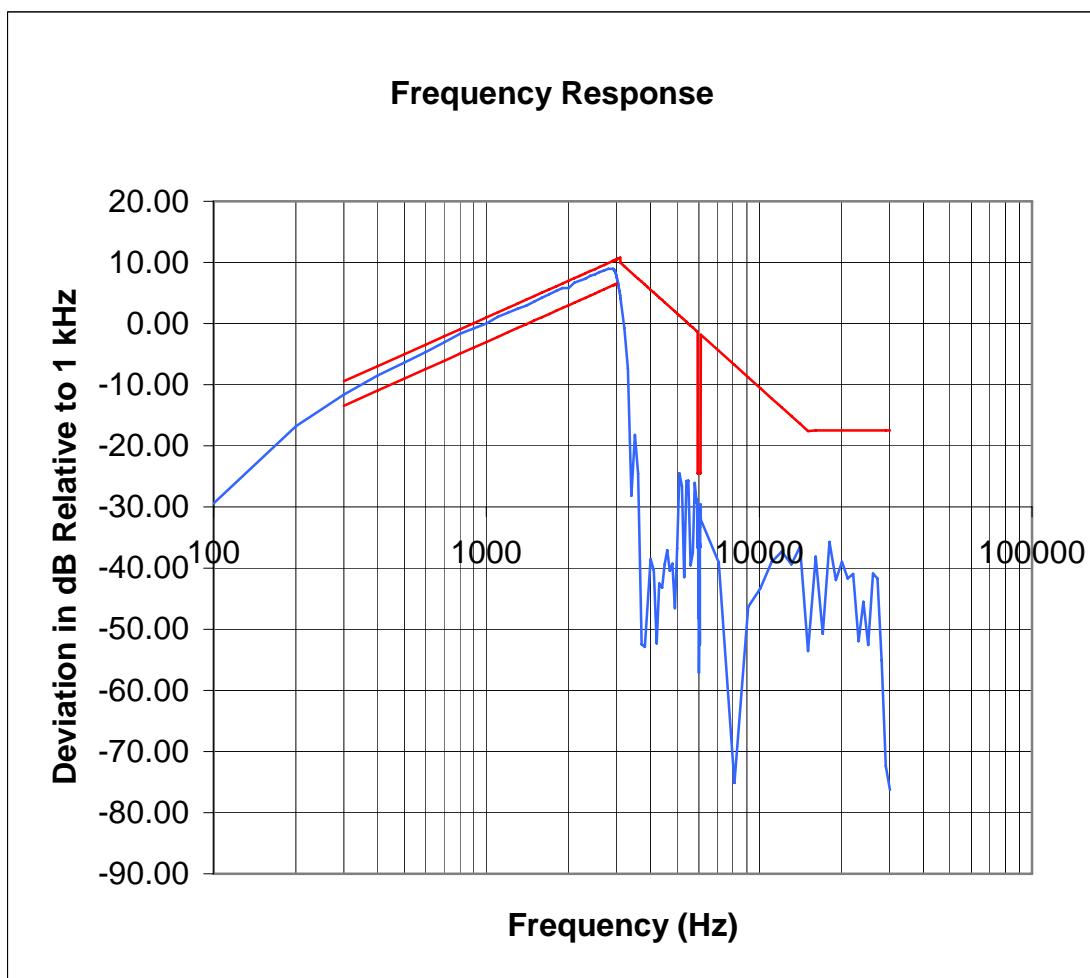


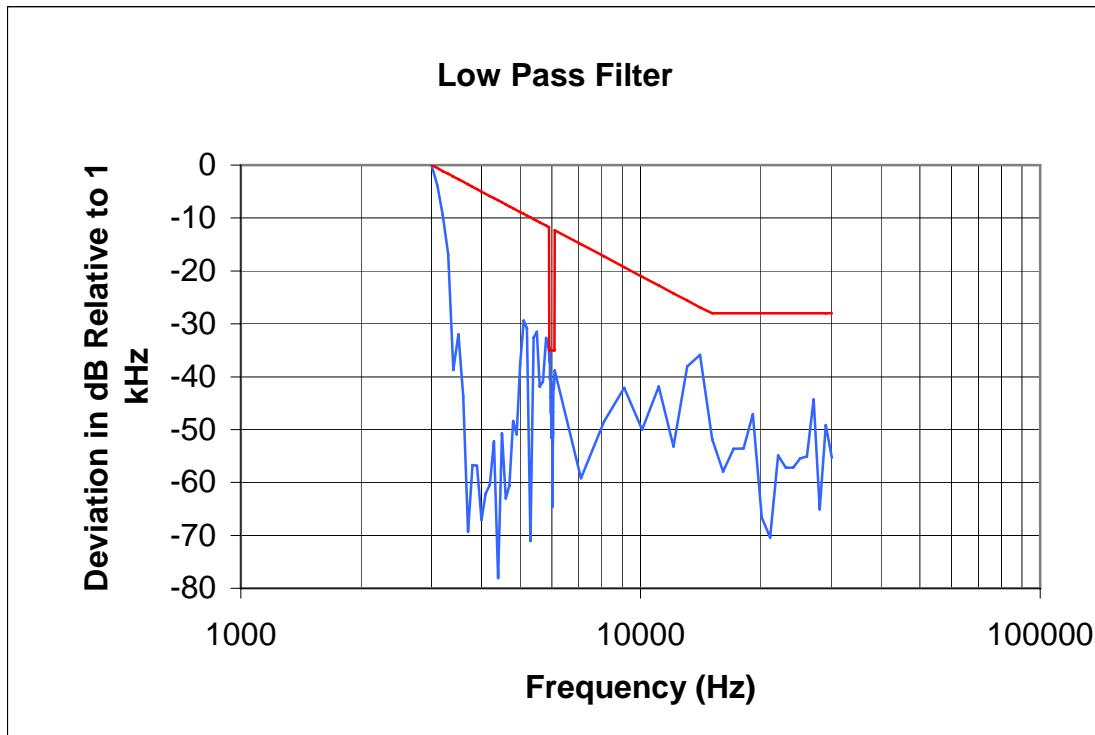
### 7.2 Pass/Fail Criteria

Emissions mask.

### 7.3 Detailed Test Results

<b>Test Technician / Engineer</b>	Hai To
<b>Date of Measurement</b>	19-May-06
<b>Temperature</b>	24 °C
<b>Humidity</b>	27 %RH
<b>Test Result</b>	Was tested in accordance with FCC Part 2.1047(a)

**Frequency Response**

**Low Pass Filter**



## 8. MODULATION LIMITING

*Specification: FCC Part 2.1047(b)*

### 8.1 Setup

The audio signal generator was connected to the audio input circuit/microphone of the EUT.

The modulation response was measured for each of three tones (one of which was the frequency of maximum response), and the input voltage was varied and was observed on the HP 8901B modulation analyzer.

The audio input level was varied from 30% modulation (+/-3.6kHz deviation) to at least 20dB higher than the saturation point.

Measurements were performed for both negative and positive modulation and the respective results were recorded.



### 8.2 Pass/Fail Criteria

No pass/fail criteria

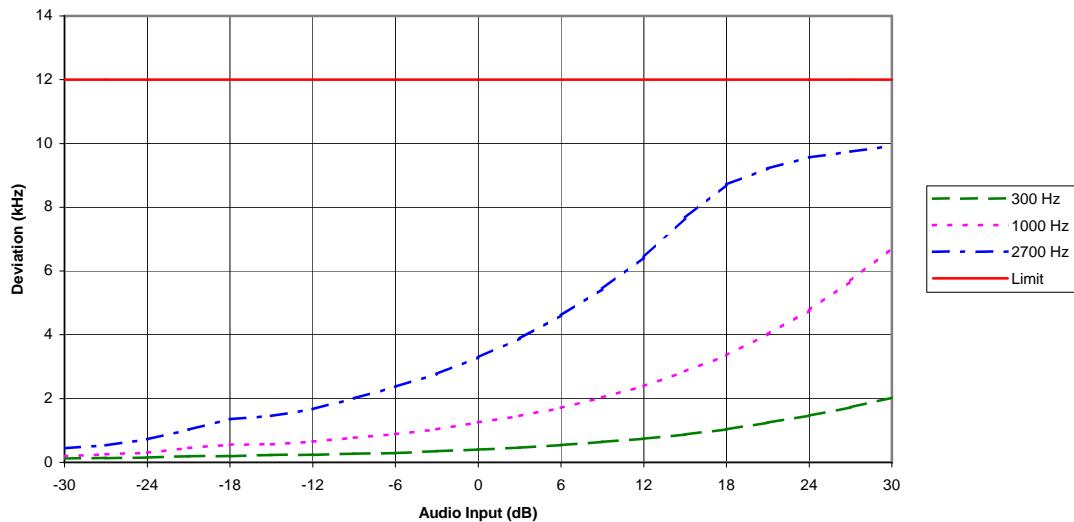
### 8.3 Detailed Test Results

<b>Test Technician / Engineer</b>	Hai To
<b>Date of Measurement</b>	22-June-06
<b>Temperature</b>	24°C
<b>Humidity</b>	27 %RH
<b>Test Result</b>	Was tested in accordance with FCC Part 2.1047(b)



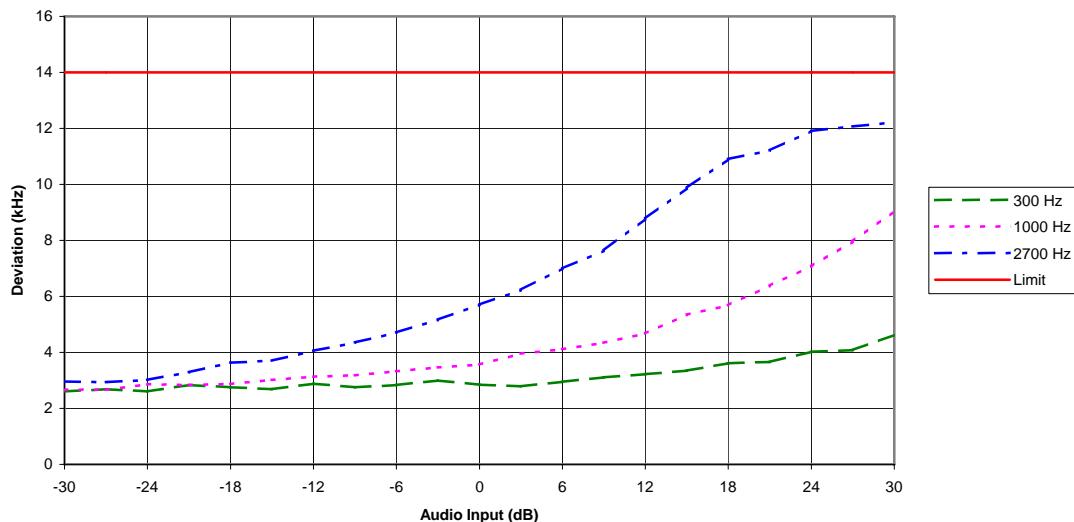
### Modulation Limiting – Voice Only, Positive Peaks

Modulation Limiting - Voice Only, Positive Peaks



### Modulation Limiting – Voice + SAT, Positive Peaks

Modulation Limiting - Voice+SAT, Positive Peaks



## 9. OCCUPIED BANDWIDTH (TRANSMITTER CONDUCTED MEASUREMENTS)

*Specification: FCC Part 2.1049(c)(1), 24.238(a)(b)*

### 9.1 Setup

Testing was performed with the EUT connected to a 6dB attenuator, 6dB splitter, filter bank and then to the EMI receiver. The base station simulator was connected to the other port of the splitter to establish a call.

### 9.2 Pass/Fail Criteria

#### Occupied Bandwidth, Out of Band

Band	Frequency Range (MHz)	FCC Limits (dBm)
Cellular 800, Low Channel	< 824	-13
Cellular 800, High Channel	> 849	-13
PCS 1900, Low Channel	< 1850	-13
PCS 1900, High Channel	> 1910	-13

#### Occupied Bandwidth, In Band

No pass/fail, these plots are used to determine the emission designators.

### 9.3 Detailed Test Results

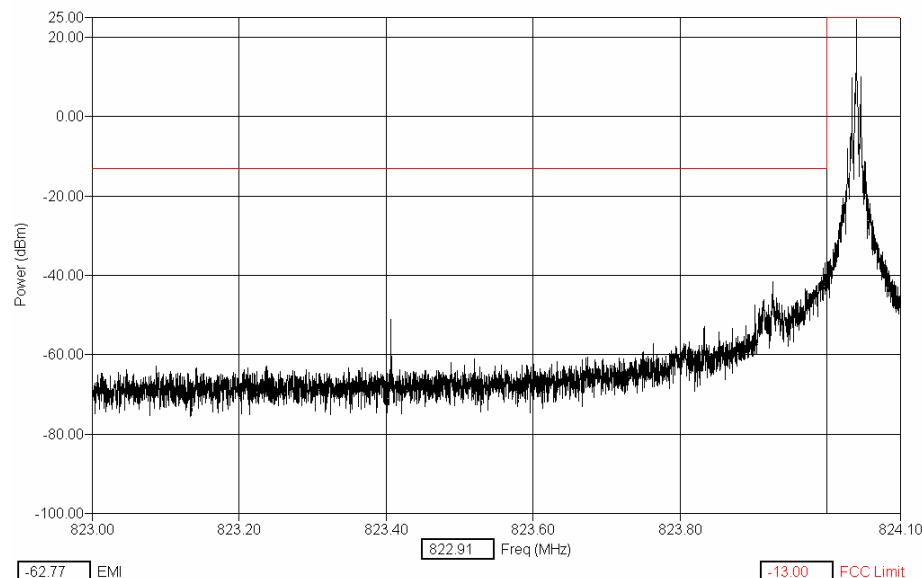
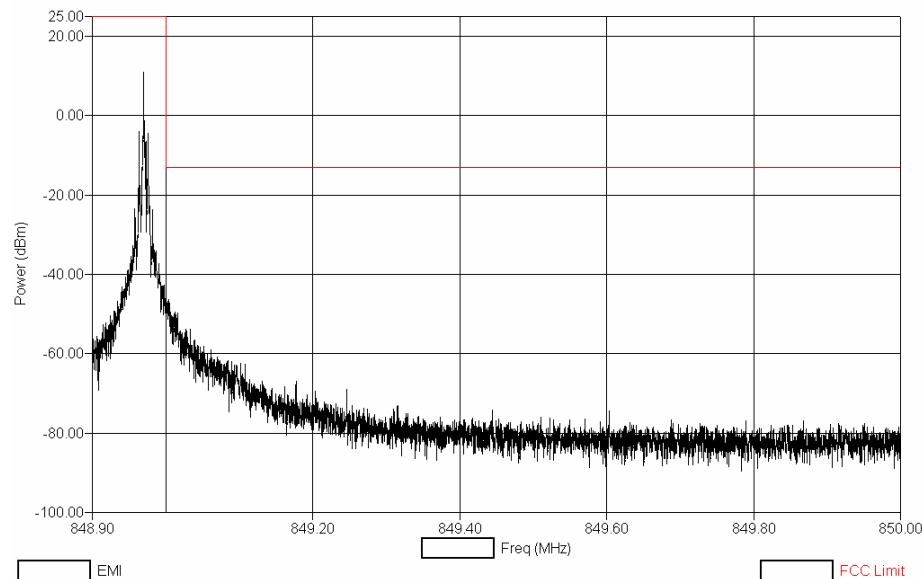
<b>Test Technician / Engineer</b>	Hai To
<b>Date of Measurement</b>	16-May-06
<b>Temperature</b>	23 °C
<b>Humidity</b>	46 %RH
<b>Test Result</b>	Complies with FCC Part 2.1049(c)(1), 24.238(a)(b)

**Note1: AMPS measurements were performed with 300Hz RBW/VBW.**

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**Occupied Bandwidth, Out of Band****AMPS - Channel 991 (824.04 MHz)****AMPS - Channel 799 (848.97 MHz)**

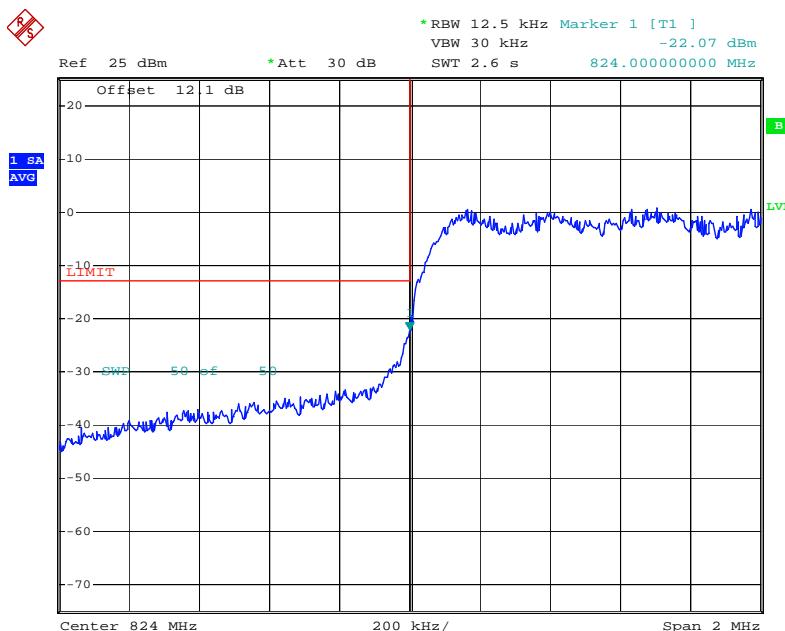
Test &amp; Certification Center (TCC) - Dallas

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Test Report #: WR1079.201  
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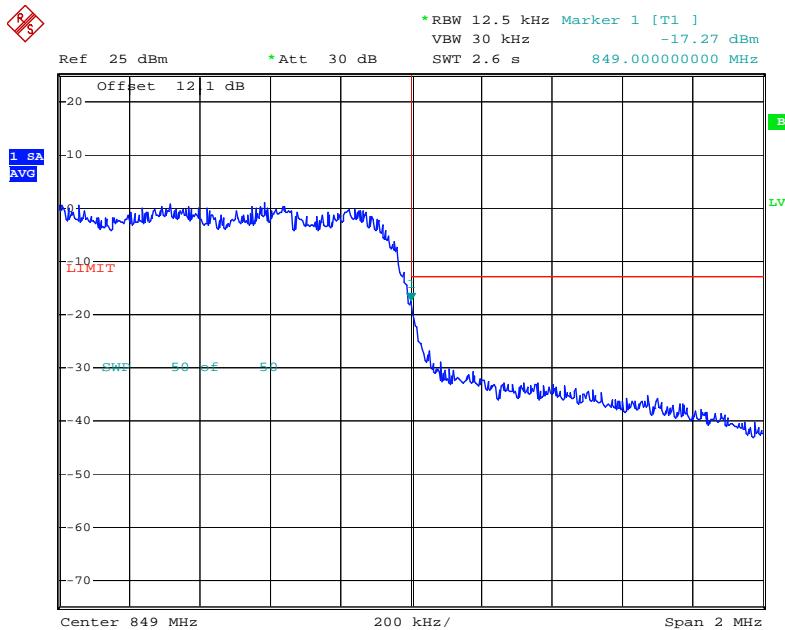
Ver 1.0

### CDMA 800 - Channel 1013 (824.70 MHz)



Date: 18.MAY.2006 18:04:55

### CDMA 800 – Channel 777 (848.31 MHz)

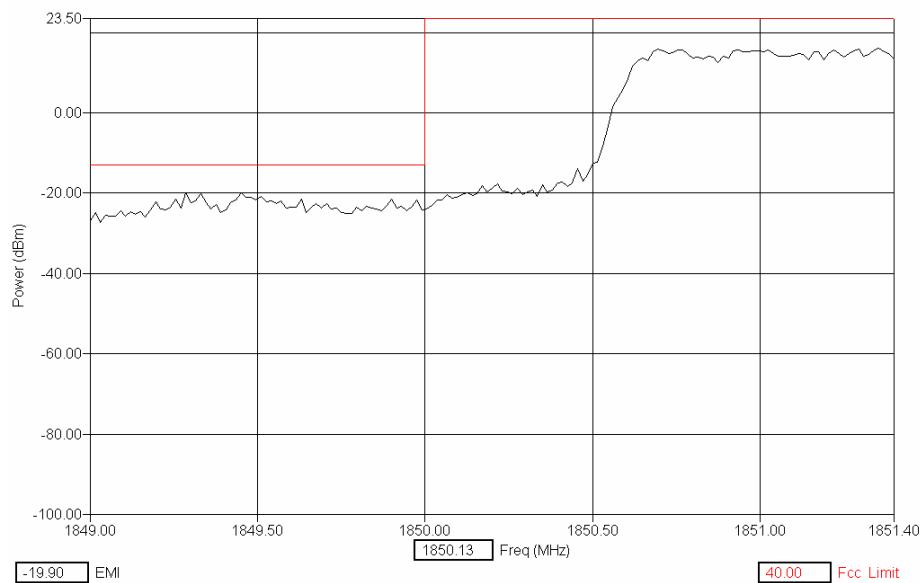
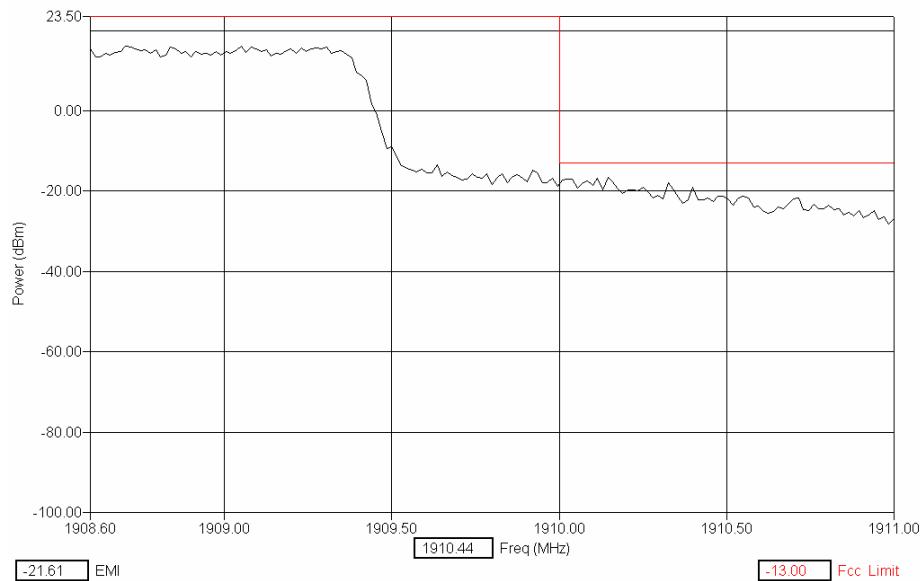


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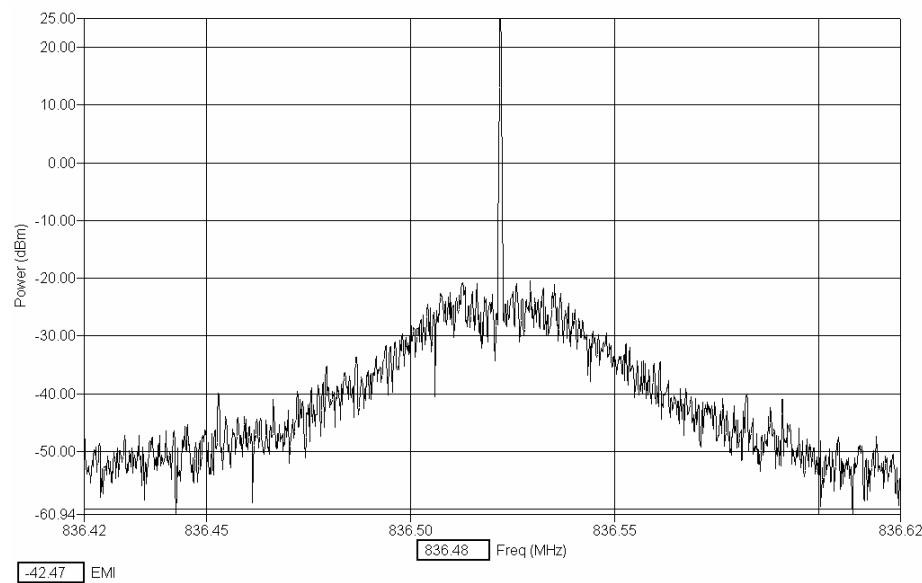
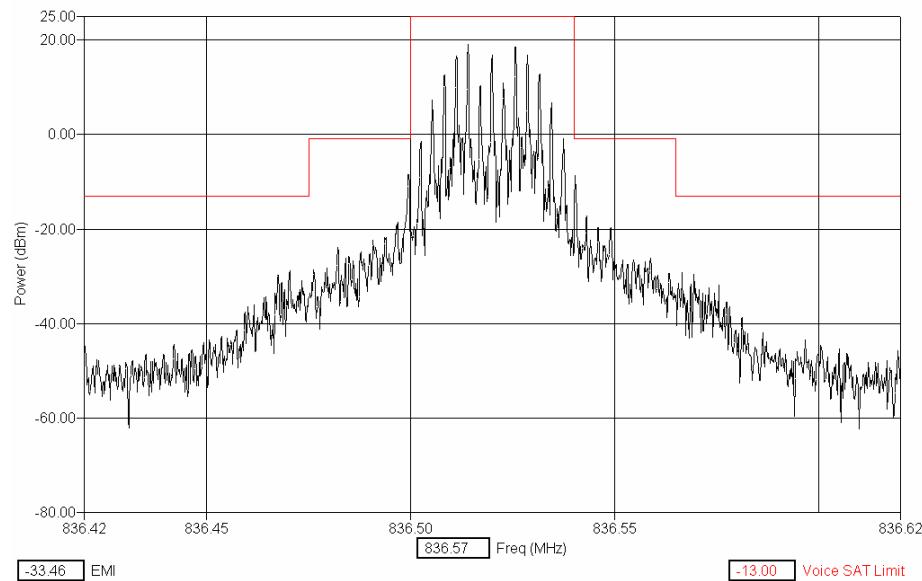
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**CDMA 1900 – Channel 25 (1851.25 MHz)****CDMA 1900 – Channel 1175 (1908.75)****Occupied Bandwidth, In Band**

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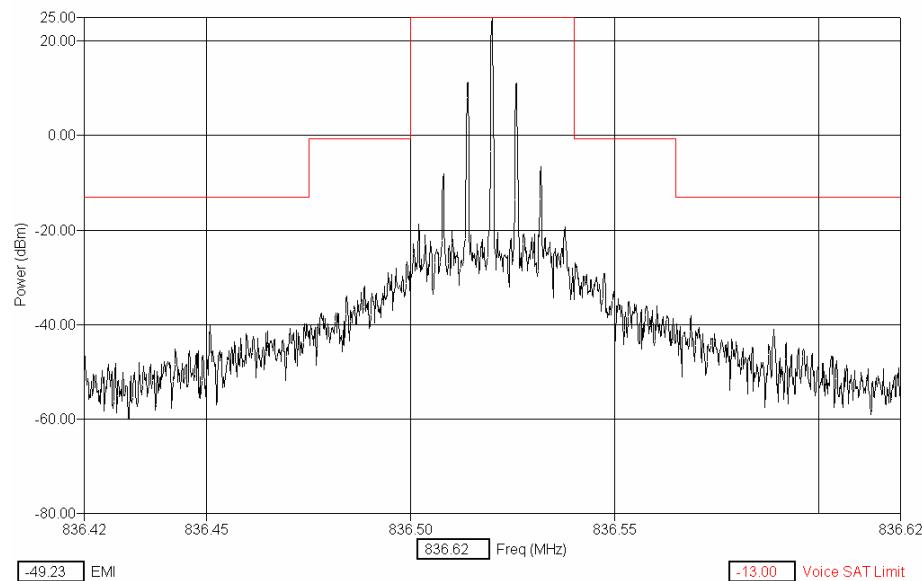
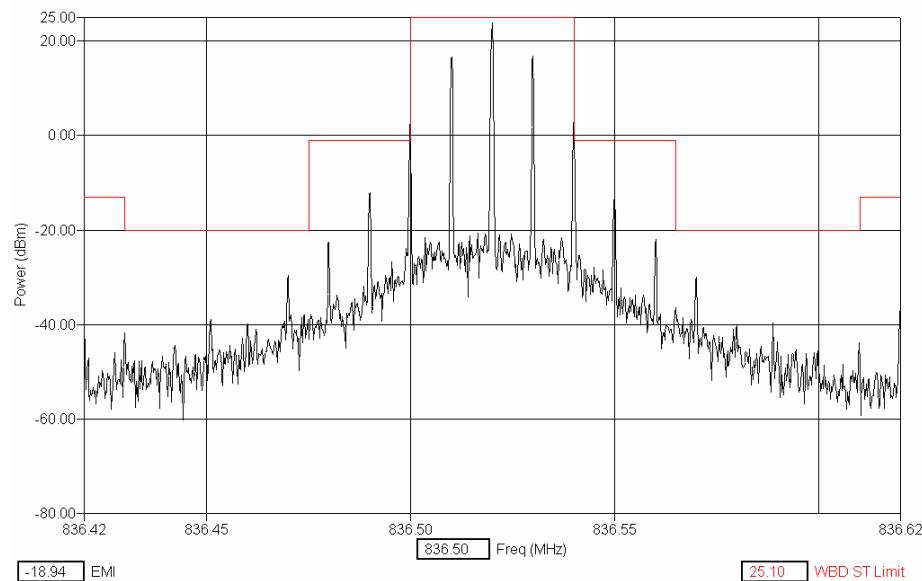
Ver 1.0

**AMPS – Channel 384, CW:****AMPS - Channel 384 Voice + Sat:**

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Test Report #: WR1079.201  
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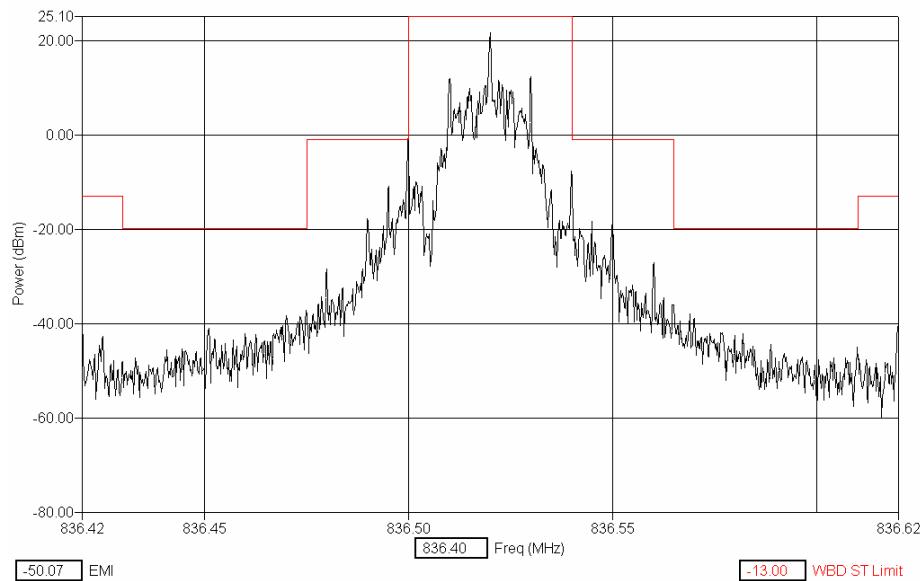
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**AMPS - Channel 384; Sat :****AMPS - Channel 384; ST:**

Test &amp; Certification Center (TCC) - Dallas

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Certificate Number: 1819-01

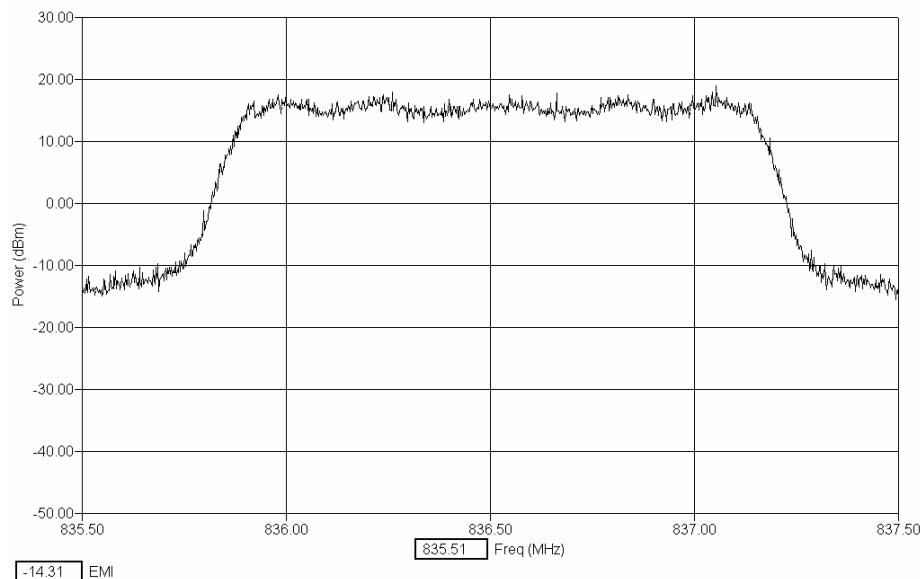
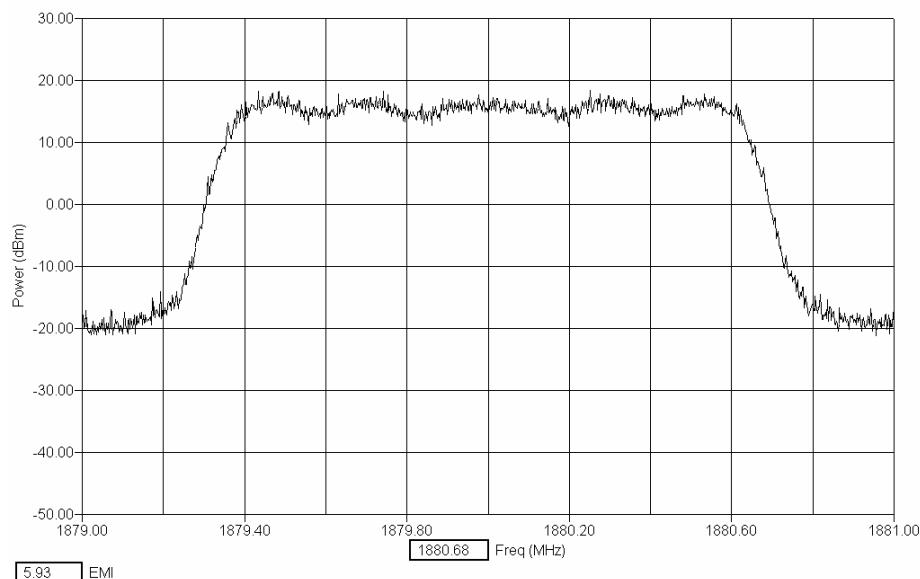
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**AMPS – Channel 384; WBD:**

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**CDMA 800 - Channel 384****30KHz RBW/VBW****CDMA 1900 - Channel 600**



## 10. SPURIOUS EMISSIONS AT ANTENNA TERMINALS

*Specification: FCC Part 2.1051*

### 10.1 Setup

Testing was performed with the EUT connected to a 6dB attenuator, 6dB splitter, filter bank and then to the EMI receiver. The base station simulator was connected to the other port of the splitter to establish a call. Filters were introduced to reduce or eliminate spurious emission, which could be generated internally in the EMI receiver.

### 10.2 Pass/Fail Criteria

Band	Frequency Range (MHz)	FCC Limits (dBm)
Cellular / PCS	30 – 20000 *	-13

\* Frequency to be investigated up to the 10<sup>th</sup> harmonic of the highest clock or frequency used.

### 10.3 Detailed Test Results

Test Technician / Engineer	Hai To
Date of Measurement	18-May-2006
Temperature	22 °C
Humidity	47 %RH
Test Result	Complies with FCC Part 2.1051

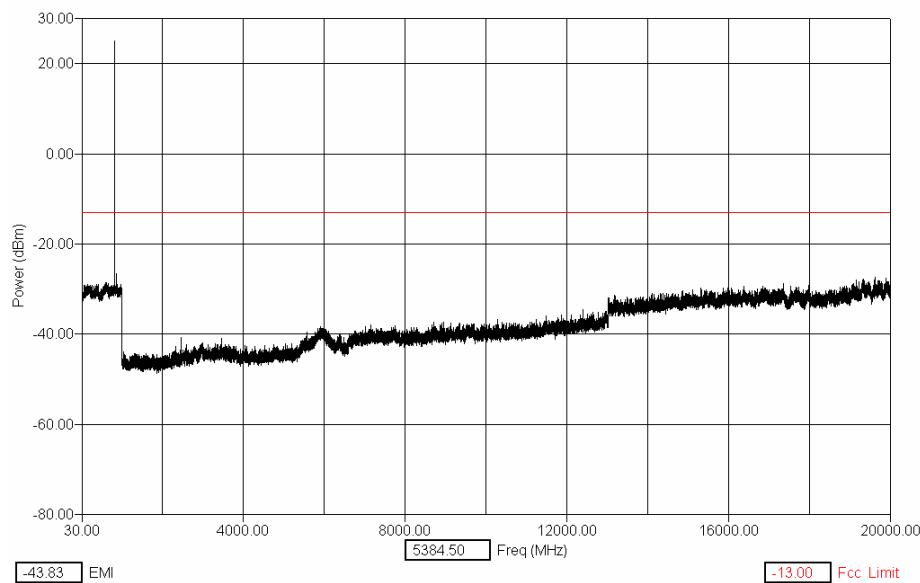
**Note 1: EMI (dBm) = trace (dBuV) + cable loss (dB) + filter loss (dB).**

**Note 2: measurements were performed with 1MHz RBW/VBW.**

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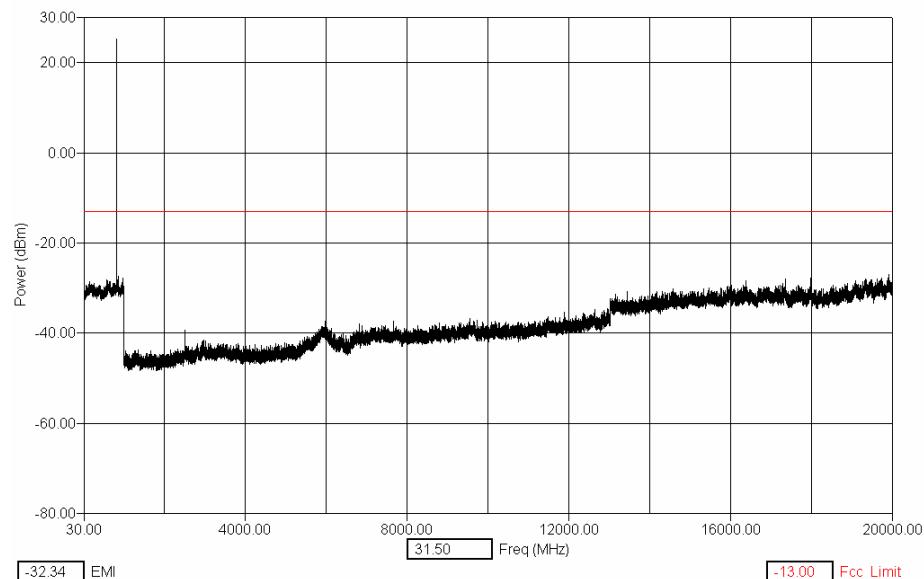
**AMPS - Channel 991, 824.04 MHz**

Freq (Max) (MHz)	(PEAK) Trace (dBm)	Cable (dB)	Filter (dB)	(PEAK) EMI (dBm)	Limit (dBm)
1649.0	-63.3	0.4	14.67	-48.3	-13.0
2472.2	-57.7	0.6	15.45	-41.7	-13.0
3296.3	-60.6	0.8	16.01	-43.9	-13.0
4121.3	-63.8	0.9	16.13	-46.7	-13.0
4943.2	-66.9	1.1	17.03	-48.8	-13.0
5768.6	-64.5	1.2	19.93	-43.4	-13.0
6592.1	-62.6	1.2	18.06	-43.3	-13.0
7416.9	-62.8	1.3	18.11	-43.3	-13.0
8242.4	-63.0	1.4	18.93	-42.7	-13.0

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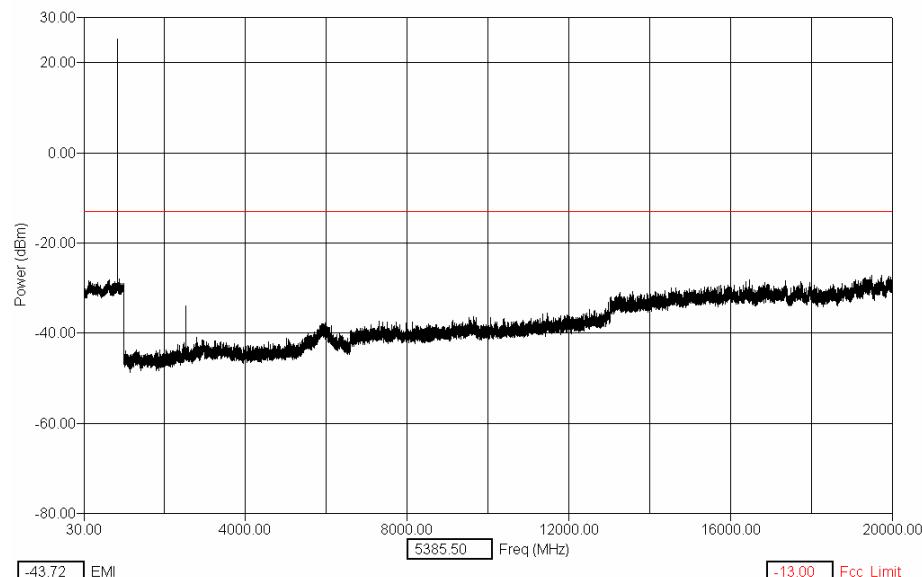
**AMPS - Channel 384, 836.52 MHz**

Freq (Max) (MHz)	(PEAK) Trace (dBm)	Cable (dB)	Filter (dB)	(PEAK) EMI (dBm)	Limit (dBm)
1673.2	-64.0	0.4	14.60	-49.0	-13.0
2509.6	-56.9	0.6	15.65	-40.6	-13.0
3345.8	-61.5	0.8	16.10	-44.6	-13.0
4182.0	-65.6	0.9	16.12	-48.5	-13.0
5017.2	-65.0	1.1	17.16	-46.7	-13.0
5856.2	-65.4	1.2	21.33	-42.9	-13.0
6692.1	-63.7	1.3	17.75	-44.7	-13.0
7530.5	-62.6	1.3	18.06	-43.2	-13.0
8365.7	-64.3	1.4	19.00	-43.9	-13.0

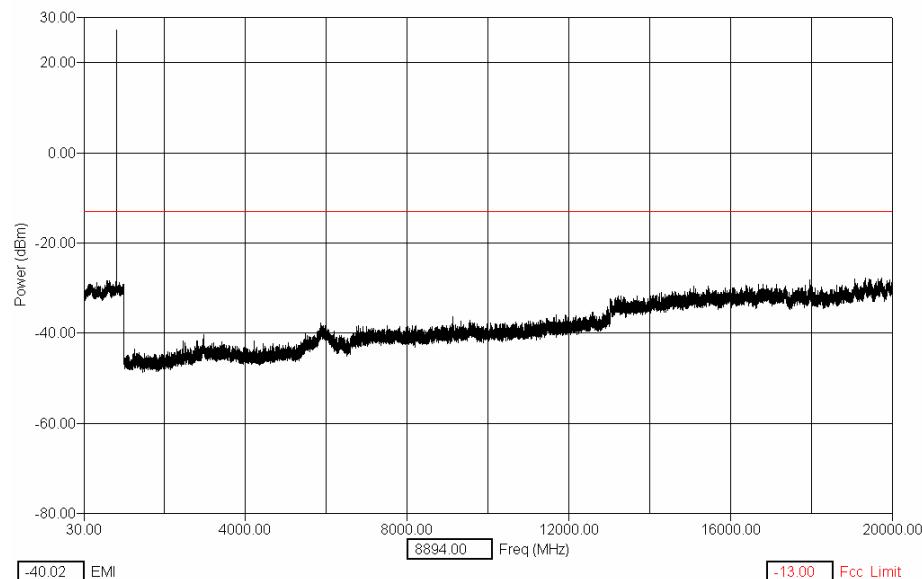
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**AMPS - Channel 799, 848.97 MHz**

Freq (Max) (MHz)	(PEAK) Trace (dBm)	Cable (dB)	Filter (dB)	(PEAK) EMI (dBm)	Limit (dBm)
1696.4	-65.3	0.4	14.59	-50.4	-13.0
2546.9	-55.3	0.6	15.49	-39.2	-13.0
3395.9	-61.7	0.8	16.02	-44.9	-13.0
4245.0	-63.9	0.9	16.39	-46.5	-13.0
5091.9	-64.8	1.1	17.25	-46.5	-13.0
5941.9	-64.6	1.2	22.11	-41.3	-13.0
6791.8	-61.2	1.3	17.87	-42.0	-13.0
7639.0	-61.1	1.3	17.97	-41.8	-13.0
8490.0	-62.8	1.4	18.55	-42.8	-13.0

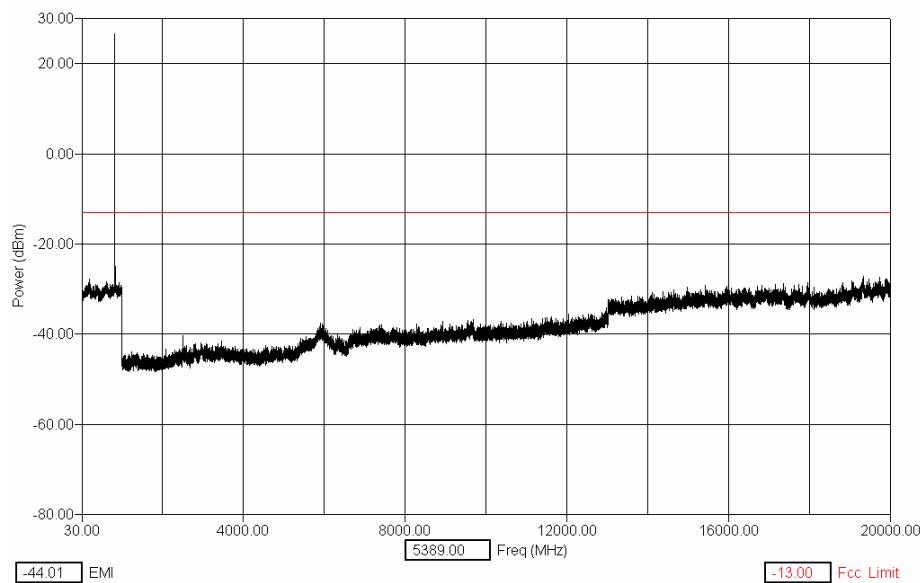
**CDMA 800 - Channel 1013, 824.70 MHz**

Freq (Max) (MHz)	(PEAK) Trace (dBm)	Cable (dB)	Filter (dB)	(PEAK) EMI (dBm)	Limit (dBm)
1650.2	-63.7	0.4	14.67	-48.7	-13.0
2474.6	-59.4	0.6	15.46	-43.3	-13.0
3298.3	-62.8	0.8	15.98	-46.1	-13.0
4121.7	-65.8	0.9	16.09	-48.8	-13.0
4946.8	-64.5	1.1	17.03	-46.4	-13.0
5771.7	-64.8	1.2	19.98	-43.6	-13.0
6598.0	-66.0	1.2	18.06	-46.7	-13.0
7422.0	-60.8	1.3	17.98	-41.5	-13.0
8248.4	-63.0	1.4	18.97	-42.6	-13.0

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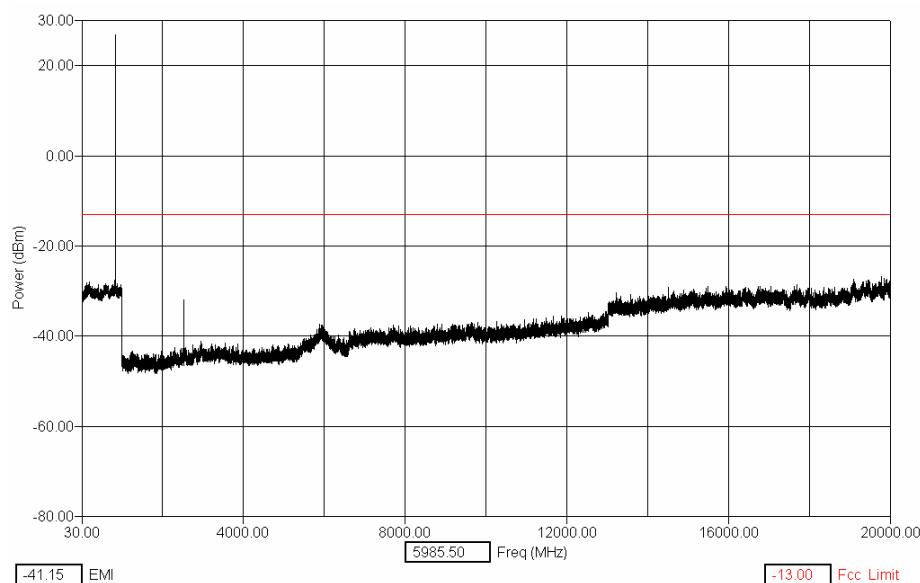
**CDMA 800 - Channel 384, 836.52 MHz**

Freq (Max) [MHz]	(PEAK) Trace [dBm]	Cable [dB]	Filter [dB]	(PEAK) EMI [dBm]	Limit [dBm]
1674.6	-62.5	0.4	14.60	-47.5	-13.0
2508.7	-57.3	0.6	15.65	-41.0	-13.0
3347.0	-63.5	0.8	16.10	-46.6	-13.0
4182.3	-65.0	0.9	16.12	-47.9	-13.0
5020.1	-63.3	1.1	17.16	-45.1	-13.0
5856.0	-66.7	1.2	21.33	-44.2	-13.0
6690.5	-64.8	1.3	17.75	-45.8	-13.0
7528.2	-62.2	1.3	18.06	-42.8	-13.0
8363.9	-60.5	1.4	19.00	-40.0	-13.0

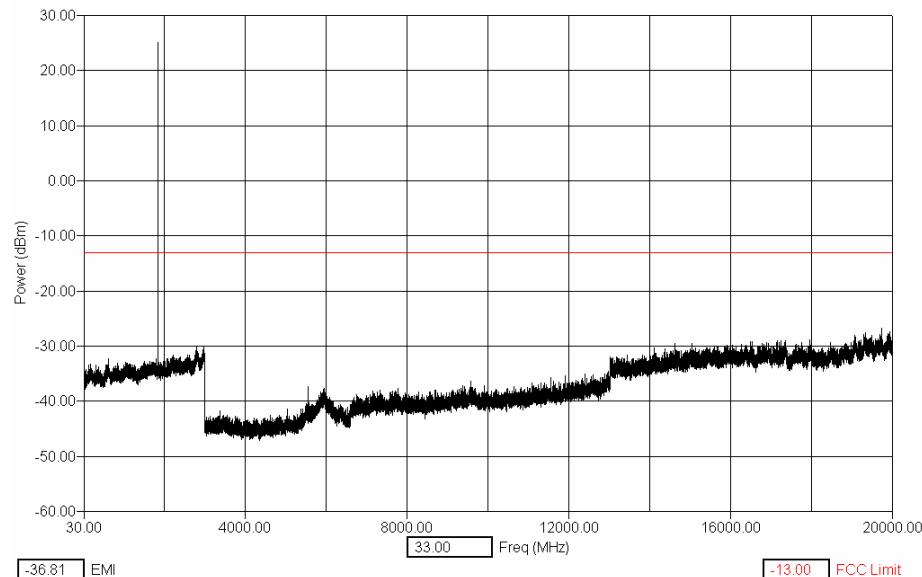
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Test Report #: WR1079.201  
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**CDMA 800 - Channel 777, 848.31 MHz**

Freq (Max) [MHz]	(PEAK) Trace [dBm]	Cable [dB]	Filter [dB]	(PEAK) EMI [dBm]	Limit [dBm]
1696.1	-63.0	0.4	14.59	-48.0	-13.0
2546.0	-55.4	0.6	15.53	-39.2	-13.0
3394.5	-64.3	0.8	16.05	-47.4	-13.0
4241.2	-64.7	0.9	16.35	-47.4	-13.0
5090.2	-65.9	1.1	17.26	-47.6	-13.0
5938.0	-66.2	1.2	22.09	-42.9	-13.0
6786.6	-63.0	1.3	17.96	-43.7	-13.0
7635.0	-62.7	1.3	17.98	-43.4	-13.0
8483.7	-63.4	1.4	18.53	-43.5	-13.0

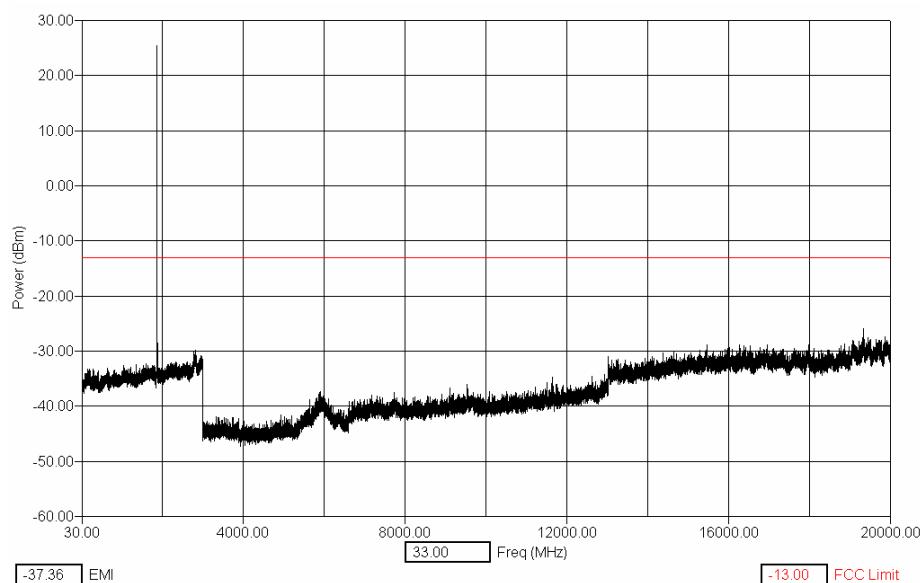
**CDMA 1900 - Channel 25, 1851.25 MHz**

Freq (Max) (MHz)	(PEAK) Trace (dBm)	Cable (dB)	Filter (dB)	(PEAK) EMI (dBm)	Limit (dBm)
3703.1	-64.6	0.85	16.2	-47.6	-13.0
5553.4	-60.4	1.13	18.4	-40.9	-13.0
7406.3	-62.6	1.32	18.4	-42.9	-13.0
9256.8	-62.8	1.48	19.5	-41.8	-13.0
11106.9	-62.1	1.60	20.2	-40.3	-13.0
12959.8	-63.1	1.71	22.6	-38.8	-13.0
14809.8	-60.4	1.80	22.8	-35.8	-13.0
16660.1	-58.2	1.88	23.8	-32.6	-13.0
18513.3	-59.7	1.95	24.9	-32.9	-13.0

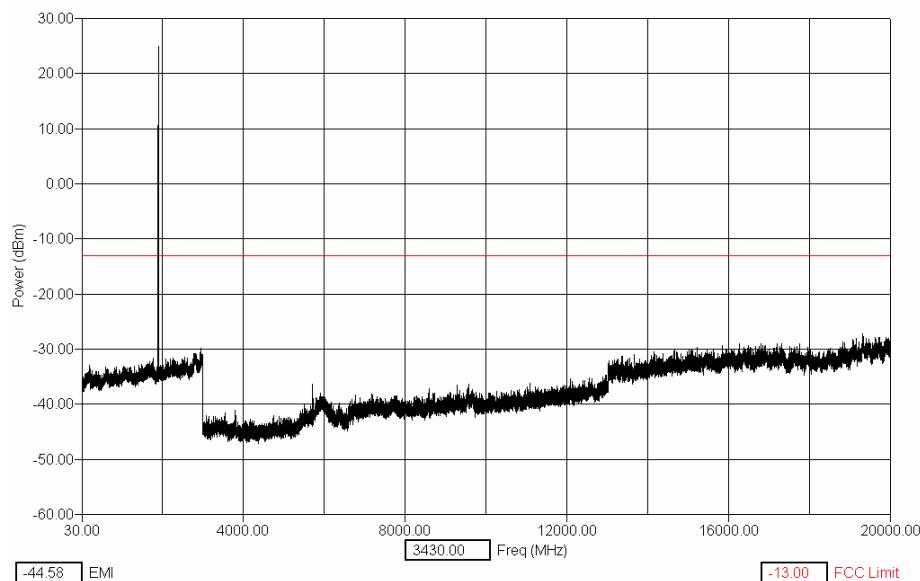
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**CDMA 1900 - Channel 600, 1880.00 MHz**

Freq (Max) [MHz]	(PEAK) Trace [dBm]	Cable [dB]	Filter [dB]	(PEAK) EMI [dBm]	Limit [dBm]
3760.8	-63.7	0.86	16.8	-46.0	-13.0
5639.7	-61.4	1.14	18.5	-41.7	-13.0
7519.8	-61.5	1.34	18.1	-42.1	-13.0
9400.9	-63.5	1.49	18.9	-43.0	-13.0
11278.2	-64.2	1.61	20.2	-42.3	-13.0
13158.8	-62.9	1.72	21.8	-39.4	-13.0
15039.3	-57.2	1.81	23.7	-31.7	-13.0
16920.6	-58.7	1.89	25.0	-31.8	-13.0
18799.5	-60.6	1.96	25.1	-33.6	-13.0

Accredited Laboratory  
Certificate Number: 1819-01**CDMA 1900 - Channel 1175, 1908.75 MHz**

Freq (Max) [MHz]	(PEAK) Trace [dBm]	Cable [dB]	Filter [dB]	(PEAK) EMI [dBm]	Limit [dBm]
3817.0	-61.1	0.87	16.7	-43.5	-13.0
5726.8	-59.0	1.15	19.4	-38.5	-13.0
7635.3	-62.6	1.35	18.0	-43.3	-13.0
9543.2	-62.3	1.50	20.3	-40.5	-13.0
11454.2	-62.9	1.62	20.5	-40.8	-13.0
13360.7	-58.4	1.73	22.0	-34.7	-13.0
15271.4	-60.2	1.82	23.3	-35.1	-13.0
17180.4	-58.8	1.90	24.3	-32.6	-13.0
19087.5	-58.6	1.97	26.3	-30.3	-13.0

## 11. EMISSIONS IN RECEIVER CRITICAL BAND

*Specification: FCC Part 22.917(f)*

### 11.1 Setup

Testing was performed with the EUT connected to a 6dB attenuator, 6dB splitter, filter bank and then to the EMI receiver. The base station simulator was connected to the other port of the splitter to establish a call. Filters were introduced to reduce or eliminate spurious emission, which could be generated internally in the EMI receiver.

### 11.2 Pass/Fail Criteria

Band	Frequency Range (MHz)	FCC Limits (dBm)
Cellular	869 - 894	-80

### 11.3 Detailed Test Results

<b>Test Technician / Engineer</b>	Hai To
<b>Date of Measurement</b>	18-May-06
<b>Temperature</b>	22 °C
<b>Humidity</b>	41 %RH
<b>Test Result</b>	Complies with FCC Part 22.917(f)

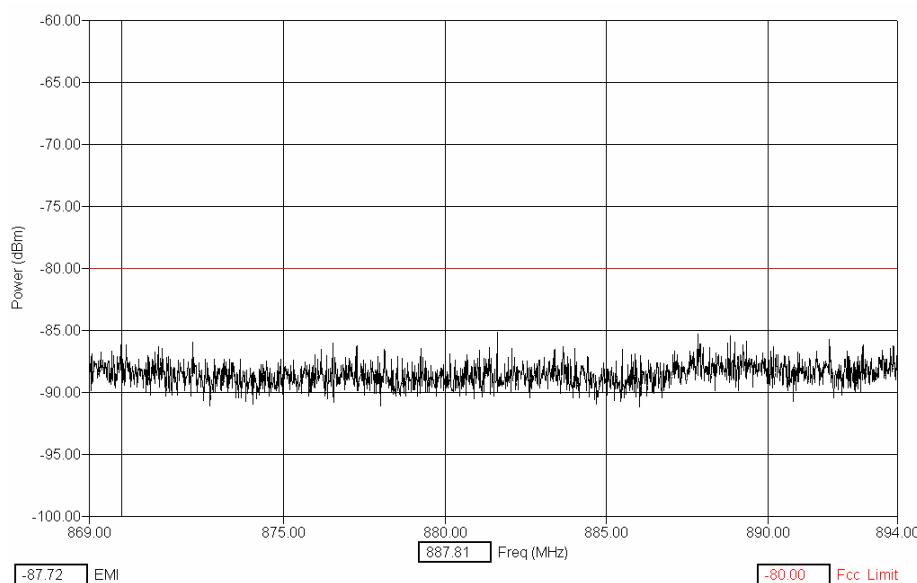
**Note1: Measurements were performed with 30 kHz RBW/VBW, 100ms Sweep Time.**

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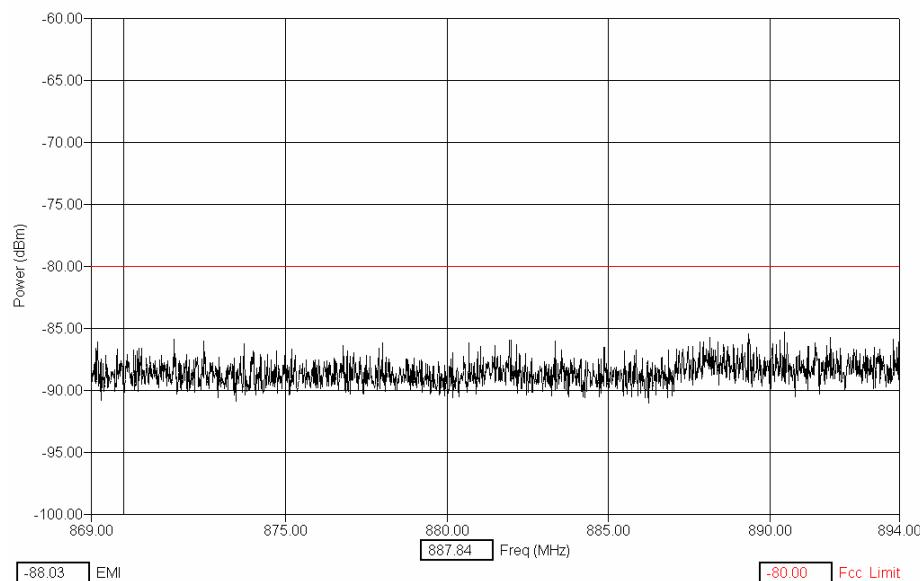
FCC ID: QMNRN-154  
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### CDMA 800, Channel 1013



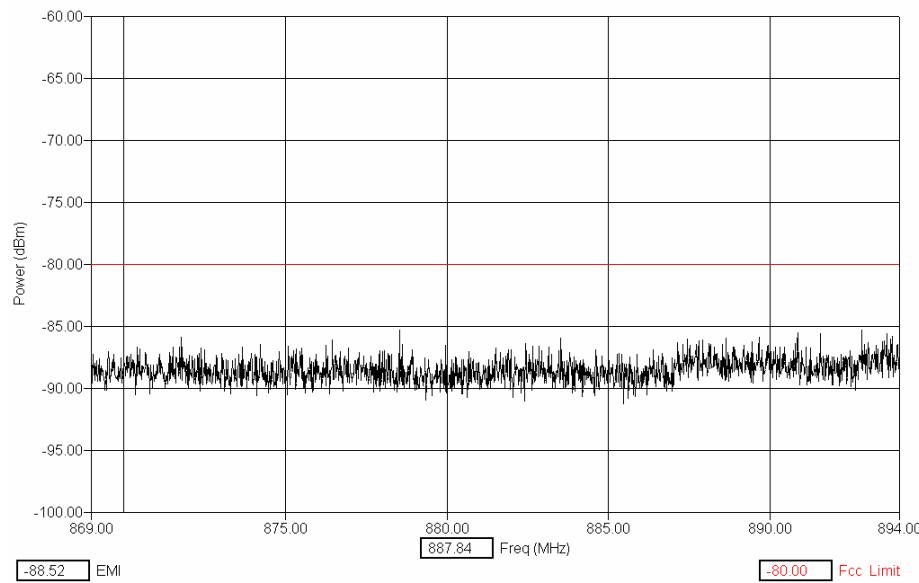
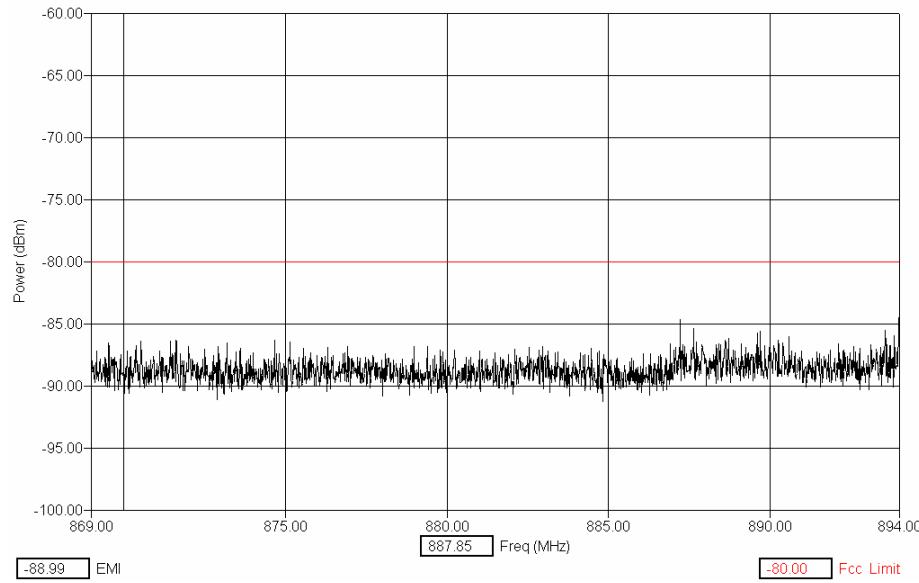
### CDMA 800, Channel 384



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Certificate Number: 1819-01

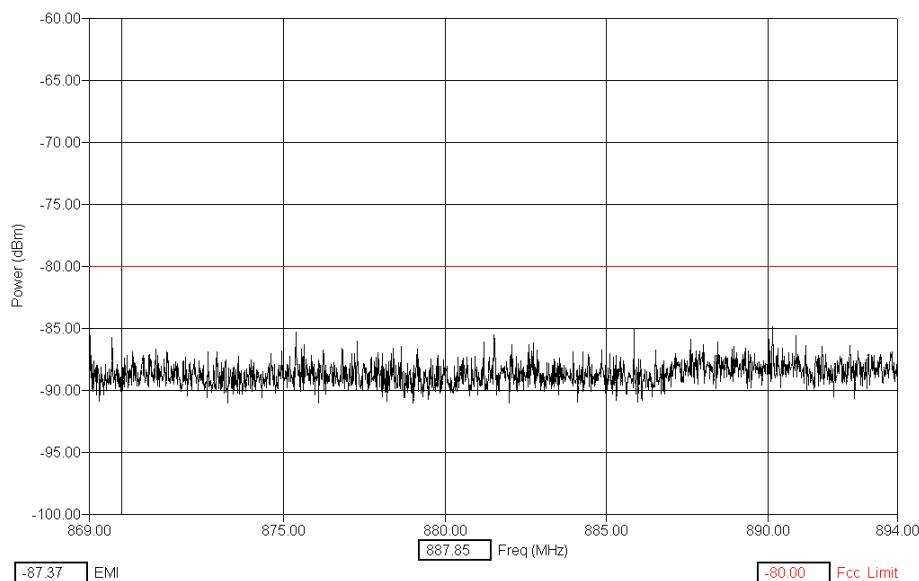
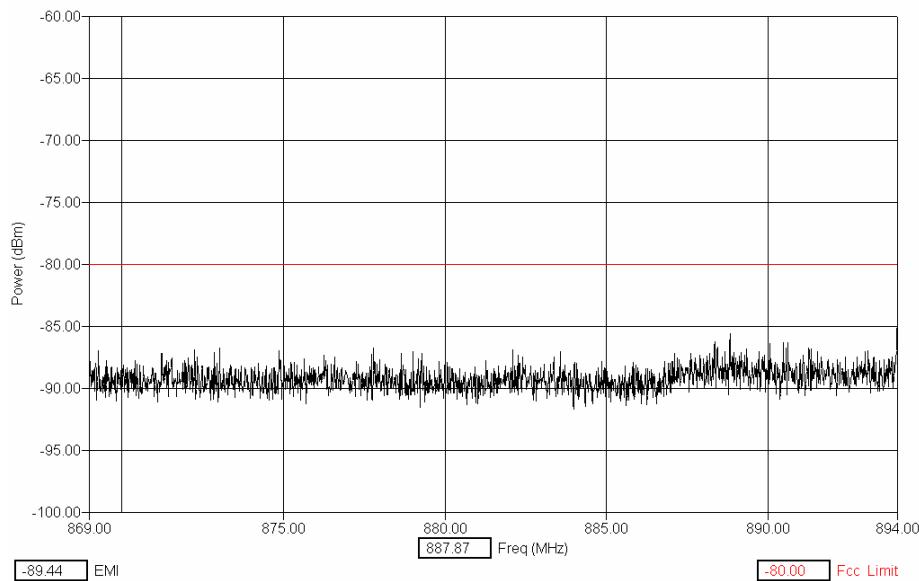
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**CDMA 800, Channel 777****AMPS, Channel 991**

Test &amp; Certification Center (TCC) - Dallas

FCC ID: QMNRM-154  
Test Report #: WR1079.201  
23-Jun-06Accredited Laboratory  
Certificate Number: 1819-01

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**AMPS, Channel 384****AMPS, Channel 799**

## 12. FREQUENCY STABILITY (TEMPERATURE VARIATION)

*Specification: FCC Part 2.1055(a)(1)(b), 24.235*

### 12.1 Setup

The EUT was connected to the base station simulator to measure the RF power output.

### 12.2 Pass/Fail Criteria

Not Applicable

### 12.3 Detailed Test Results

Test Technician / Engineer	Hai To
Date of Measurement	2-Jun-06
Temperature	23°C
Humidity	50 %RH
Test Result	Tested in accordance with 2.1055(a)(1)(b), 24.235 at maximum power setting.

Temp. (°C)	AMPS, Channel 384	CDMA 800, Channel 384	CDMA 1900, Channel 600
	Change (Hz)	Change (Hz)	Change (Hz)
-30	261	13	31
-20	294	13	29
-10	275	14	26
0	270	14	28
10	256	13	29
20	254	13	28
30	253	14	29
40	240	13	29
50	259	14	32

Test &amp; Certification Center (TCC) - Dallas

FCC ID: QMNRM-154  
Test Report #: WR1079.201  
23-Jun-06

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## 13. FREQUENCY STABILITY (VOLTAGE VARIATION)

*Specification: FCC Part 2.1055(d)(1)(2), 24.235*

### 13.1 Setup

The EUT was connected to the base station simulator to measure the RF power output.

### 13.2 Pass/Fail Criteria

Not Applicable

### 13.3 Detailed Test Results

Test Technician / Engineer	Hai To
Date of Measurement	2-Jun-06
Temperature	24 °C
Humidity	50 %RH
Test Result	Tested in accordance with 2.1055(d)(1)(2), 24.235 at maximum power setting.

#### AMPS, Call Mode, Channel 384

% of STV	Voltage	Change (Hz)
85	3.2	156
100 (Nominal)	3.7	160
115	4.2	183

#### CDMA 800, Call Mode, Channel 384

% of STV	Voltage	Change (Hz)
85	3.2	17
100 (Nominal)	3.7	19
115	4.2	17

#### CDMA 1900, Call Mode, Channel 600

% of STV	Voltage	Change (Hz)
85	3.2	17
100 (Nominal)	3.7	18
115	4.2	16