7.0   Out of Band Emissions at Antenna Terminals , FCC 22.917(e), 22.917(f),
       24.238(a)

Out of Band Emissions:

The mean power of emissions must be attenuated below the mean power of the unmodulated carrier (P) on any frequency twice or more than twice the fundamental frequency by at least $43 + 10 \log P$ dB.

Mobile Emissions in Base Frequency Range:

The mean power of any emissions appearing in the base station frequency range from cellular mobile transmitters operated must be attenuated to a level not to exceed -80 dBm at the transmit antenna connector.

7.1   Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 30 kHz. The audio modulating signal was adjusted like it is described in Section 6.1 of this report. Sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

7.2   Test Equipment

HP 8566B Spectrum Analyzer
Leader LFG-1300S Function Generator
Leader LMV-182 AC Millivoltmeter

7.3   Test Results

Passed	Refer to the attached plots.

AMPS Mode	
Plot Number	**Description**
7.3.1.a - 7.3.1.c	Low Channel
7.3.2.a - 7.3.2.e	Middle Channel
7.3.3.a - 7.3.3.c	High Channel

CDMA Mode	
Plot Number	**Description**
7.3.4.a - 7.3.4.f	Low Channel and Band edge
7.3.5.a - 7.3.5.e	Middle Channel
7.3.6.a - 7.3.6.f	High Channel and Band edge

PCS Band CDMA Mode	
Plot Number	**Description**
7.3.7.a - 7.3.7.f	Low Channel and Band edge
7.3.8.a - 7.3.8.e	Middle Channel
7.3.9.a - 7.3.9.h	High Channel and Band edge

Emission in Base Frequency Range	
Plot Number	**Description**
7.4.a	Emissions in base frequency range, Low Channel, AMPS
7.4.b	Emissions in base frequency range, Mid Channel, AMPS
7.4.c	Emissions in base frequency range, High Channel, AMPS
7.4.d	Emissions in base frequency range, Low Channel, CDMA
7.4.e	Emissions in base frequency range, Mid Channel, CDMA
7.4.f	Emissions in base frequency range, High Channel, CDMA

Intertek Testing Services
ETL SEMKO

1365 Adams Court, Menlo Park, CA 94025

Sharp Labs, CDMA/AMPS Cellular Phone
FCC ID: AHYRO00022

Date of Test: April 25-28 & Jun10-15,2001

Intertek Testing Services
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#7.3.4.b

MKR 824.000 MHz
-17.50 dBm

STOP 824.00 MHz
SWP 1.000 sec

VBW 300 Hz

ATTEN 30 dB

TQCX1
REF 21.0 dBm

10 dB/

OFFSET
1.0
dB

DL
-13.0
dBm

CORR'D

START 822.99 MHz
RES BW 10 kHz

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#7.3.4.C

MKR 824.710 MHz
8.10 dBm

SPAN 5.00 MHz
SWP 1.50 sec

VBW 300 Hz

TQCX1
REF 30.0 dBm ATTEN 40 dB

CENTER 824.75 MHz
RES BW 30 kHz

CORR'D

10 dB/

ITS Intertek Testing Services
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