#### **EFFECTIVE RADIATED POWER LIMITS @ FCC 2.985 & 22.913** 1.1.

### 1.1.1. Limits @ FCC 22.913

The effective radiated power (EIRP) of transmitters in the Cellular Radiotelephone Service must not exceed the limits in this section:

	Maximum ERP (Watts)
Base Transmitters	500 Watts
(869-894 MHz)	
Mobile Transmitters &	7 Watts
Auxiliary TestTransmitters	
(824-849 MHz)	

### 1.1.2. Method of Measurements

Please refer to Exhibit 8, Sec. 8.1 for test procedures and test setup.

# 1.1.3. Test Equipment List

<b>Test Instruments</b>	Manufacturer	Model No.	Serial No.	Frequency Range
Spectrum Analyzer/	Hewlett	HP 8593EM	3412A00103	9 kHz – 26.5 GHz
EMI Receiver	Packard			
Attenuator(s)	Bird		•••	DC – 22 GHz
Dipole Antenna	EMCO	3121C	8907-434	20-1000 MHz
Dipole Antenna	EMCO	3121C	8907-440	20-1000 MHz

## 1.1.4. Test Data

TRANSMITTER CHANNEL	FUNDAMENTAL FREQUENCY	MEASURED FIELD STRENGTH (dBmV/m)	
OUTPUT	(MHz)	VERTICAL	HORIZONTAL
Lowest	824.9750	122.8	122.4
Middle	836.4951	122.0	121.3
Highest	848.9440	120.7	122.0

TRANSMITTER CHANNEL OUTPUT	FUNDAMENTAL FREQUENCY (MHz)	Maximum ERP using Substitution Method (dBm)	Maximum Power Measured at the Antenna Port
Lowest	824.9750	25.7	27.0
Middle	836.4951	23.8	26.6
Highest	848.9440	21.3	24.8

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Assessed by ITI (UK) Competent Body, NVLAP (USA) Accreditation Body & ACA/AUSTEL (Australia)

Recognized/Listed by FCC (USA), Industry Canada (Canada)

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)