

1.1. EFFECTIVE RADIATED POWER LIMITS @ FCC 2.985 & 22.913

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 (869-894 MHz)	500 Watts
Mobile Transmitters & Auxiliary Test Transmitters (824-849 MHz)	7 Watts

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

Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range
Spectrum Analyzer/ EMI Receiver	Hewlett Packard	HP 8593EM	3412A00103	9 kHz – 26.5 GHz
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 OUTPUT	FUNDAMENTAL FREQUENCY (MHz)	MEASURED FIELD STRENGTH (dBmV/m)	
		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

ULTRATECH GROUP OF LABS

3000 Bristol Circle, Oakville, Ontario, Canada L6H 6G4
Tel. #: 905-829-1570, Fax. #: 905-829-8050, Email: yhk.ultratech@sympatico.ca, Website: <http://www.ultratech-labs.com>

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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)