



Engineering and Testing for EMC and Safety Compliance

TYPE CERTIFICATION REPORT

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MODEL: WPE-1000

FCC ID: POQWPE-1000

June 6, 2001

STANDARDS REFERENCED FOR THIS REPORT	
PART 2: 1999	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS
PART 15: 1999	§15.109: RADIATED EMISSIONS LIMITS
PART 24 (E): 1998	PERSONAL COMMUNICATIONS SERVICES – BROADBAND PCS
ANSI C63.4-1992	STANDARD FORMAT MEASUREMENT/TECHNICAL REPORT PERSONAL COMPUTER AND PERIPHERALS
ANSI/TIA/EIA 603- 1992	LAND MOBILE FM OR PM COMMUNICATIONS EQUIPMENT MEASUREMENT AND PERFORMANCE STANDARDS
ANSI/TIA/EIA 603-1-1998	ADDENDUM TO ANSI/TIA/EIA 603-1992
RSS-118: Issue 2 Aug. 19, 1990, Supplement 1993-1 June 12, 1993, Amendment Issue 2 Aug. 24, 1996, Addendum Sept. 1, 1990	LAND AND SUBSCRIBER STATIONS: VOICE, DATA AND TONE MODULATED, ANGLE MODULATION RADIOTELEPHONE TRANSMITTERS AND RECEIVERS OPERATING IN THE CELLULAR MOBILE BANDS 824-849 MHz AND 869-894 MHz

FCC Rules Parts	Frequency Range	Output Power (W)	Freq. Tolerance	Emission Designator
24(E)	1851.25-1908.75	0.396	1.5 ppm	1M60F9W

REPORT PREPARED BY:

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4.2 TEST DATA

Settings:

- Peak 300mW delivered to antenna
- Antenna: built-in with a 2.0 dBi gain
- Radiated power measurements performed at a 3 meter distance

TABLE 4-1: PART 2.1046 (A) RF POWER OUTPUT: RADIATED – EIRP PART 24.232

Frequency (MHz)	Emission Level* (dBuV)	Site Factor (dB/m)	Emission Level (dBuV/m)	ERP (mW)	EIRP (mW)
Channel 25					
1851.25	85.1	36.1	121.2	241.1	395.48
Channel 600					
1880.00	83.84	36.5	120.34	197.8	324.43
Channel 1042					
1902.10	82.64	36.5	119.14	150.1	246.11

*Measurement accuracy is +/- 1.5 dB

TEST PERSONNEL:

DANIEL BALTZELL
TEST TECHNICIAN/ENGINEER

SIGNATURE

MAY 15, 2001
DATE OF TEST

TABLE 4-2: EQUIPMENT USED FOR TESTING

Radiated RF Output - EIRP					
RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
900931	HP	8566B	Spectrum Analyzer (100Hz – 22 GHz)	3138A07771	03/27/02
900791	Schaffner - Chase	CBL6112	BiLog Antenna (25MHz – 2GHz)	2099	02/26/02