# **Test System Specifications**

The following specifications are for the HP 8920B Option 800 Test System, that is, the HP 83206A TDMA Cellular Adapter and its companion HP 8920B RF Communications Test Set. The HP 83206A TDMA Cellular Adapter has no electrical specifications on its own.

## **TDMA Signal Generator**

#### Frequency Range: 824 MHz to 894 MHz

#### **Output Level Range:**

- RF IN/OUT: -22 dBm to -127 dBm
- DUPLEX OUT: +4 dBm to -127 dBm

**Residual Error Vector Magnitude:** <3.0%

**Residual Phase Error:** <2.0°

**Residual Magnitude Error:** <2.6%

**IQ Origin Offset:** <-30 dBc within ±15 °C of last calibration

Frequency Error: ±4 Hz plus reference accuracy

## **TDMA Analyzer**

Frequency Range: 800 MHz to 900 MHz

#### **Input Level Range:**

- RF IN/OUT: 1 mW to 60 W (0 to +47.8 dBm)
- ANT IN: -36 dBm to +16 dBm

Input Frequency Setting Error: 1 kHz

Frequency Error Accuracy: ±2.5 Hz plus reference accuracy

**Residual Error Vector Magnitude:** <1.3%

Error Vector Magnitude Measurement Accuracy: ±0.4% +2% of reading

**Residual Phase Error:** <1.0°

**Residual Magnitude Error:** <0.9%

**IQ Origin Offset Accuracy:** ±0.5 dB for values greater than –40dBc

# Physical Specifications for the Cellular Adapter

The following specifications are for the Cellular Adapter only. **Power requirements:** 100 to 240 V; 50 to 60 Hz; 100 VA. **Operating temperature range:** 0° to 55°C. **Leakage:** Conducted and radiated interference meets CISPR 11. **Weight:** 4.5 kg (10 lbs) net, 6.8 kg (15 lbs) shipping. **Dimensions:** 62 H × 330 W × 456 D mm (2.4 H × 13 W × 18 D in).