



## Test Equipment List: Communications Products

### Required

- Anti-static bench-floor mat – wrist strap
- Audio generator or lineman test set
- Battery analyzer NiCd/NiMH/Li ion
- Cleaning solvents (alcohol, air, plastic cleaner)
- Communications Service Monitor (or equivalent)
- Computer – Laptop (for outside work)
- Computer - Pentium or better w/SVGA Monitor/SCSI Adapter/CD Drive/512 meg RAM/1 Serial Port/40 gig harddrive/LAN port
- Digital VOM with diode & cap checker
- Distortion analyzer (SINAD AC VM)
- Dual trace O'scope triggered-time delay
- Dummy loads (Tx 100 W, 50 ohms)
- FM deviation meter
- Frequency counter (1GHz)
- Hex nut drivers, wrenches and torx drivers
- IC extraction tool
- Isolation transformer
- RF Generator
- RF signal level meter
- Software as required by product maker
- Soldering-desoldering station
- Telephone Analyzer Power and Z
- Test antenna (approp. for prods serviced)\*\*
- Test cables, adapters, connectors \*\*\*
- Test speakers – audio interface-test box
- Reword Watt meter (in-line w/N& UHF adapters)\*
- Average Power Meter\*\*\*\*
- T1 Test Set
- Test radios for systems they maintain (as applicable, especially an trunking systems or passport)
- Return loss bridge

\* needs elements for Low VHF, High VHF, UHF freqs (Bird, Coaxial Dynamics, Telewave, etc.)

\*\* magnetic mount base and test antennas for VHF, UHF, 800-900 MHz

\*\*\* These include N, UHF, mini UHF, BNC, TNC, SMA, ISO-T and special connectors for interfacing and servicing of mobile and portable radios such as Motorola, GE/Ericson/Maxon/ Bendix King, Vertex, Kenwood, Midland, and others

\*\*\*\* needed for digital power readings, includes appropriate elements for the band.