H-P8922H SPECIFICATIONS

RF Generator

- Frequency Range: 10 MHz to 1000 MHz
- Frequency Resolution: 1 Hz
- Switching Speed: 577 µs
- 0.3 GMSK Modulation: External clock and data
- Pulse Modulation: Normal and 30dB
- Output Power: +7 to -127 dBm

RF Analyzer

- Frequency Range: 10 MHz to 1000 MHz
- Frequency Resolution: 1 Hz (100 kHz in hop mode)
- Switching Speed: 577 µs
- Coherent Data Demodulation: 0.3 GMSK at 270.833 Kb/s, 1 timeslot frame
- Analog Demodulation: FM and Pulse
- Global Method: rms and peak phase error, frequency error
- Amplitude Envelope: Rise, fall, and burst flatness over useful bits
- Peak Transmitter Power: +4 dBm to 41 dBm
- Output RF Spectrum Measurements: Due to modulation and switching transients
- CW Frequency Counter: 10 MHz to 1000 MHz

Spectrum Analyzer

- Frequency Range: 10 MHz to 1000 MHz
- Frequency Accuracy and Stability: Same as timebase
- Display Range: 80 dB
- Other Features: External trigger, marker

Digital Oscilloscope

- Frequency Range: 2 Hz to 50 kHz
- Sweep Times: 10 µs to 100 ms in 1, 2, 5, 10 steps

Audio Analyzer

- Frequency Range: 20 Hz to 400 kHz
- AC Voltage Range: 0 to 30 V$_{rms}$
- DC Voltage Range: 100 mV to 42 V
- THD + Noise: 1 kHz ± 5 Hz
- SINAD: 1 kHz ± 5 Hz

Audio Source

- Frequency Range: DC to 25 kHz
- Output Level Range: 0.1 mV$_{rms}$ to 4 V$_{rms}$

Reference Oscillator

- External Reference Input Frequency: 13, 10, 5, 2 or 1 MHz
- External Reference Output: 10 and 13 MHz

Remote Programming

- HP-IB: IEEE 488.2
- RS-232: 300, 1200, 2400, 4800, 9600 and 19200 baud

Internal Programming

- Programming Language: Hewlett-Packard Instrument BASIC
- Programming Storage: 32 KB to 512 KB external memory cards

ADDITIONAL SPECIFICATIONS

- Broadcast Channel Capability: BCCH + CCCH or BCCH + CCCH + SDCCH/4
- Control Channels: BCCH + CCCH, BCCH + CCCH + SDCCH/4, SDCCH/8 (non-hopped), SACCH / FACCH
- Traffic Channels: TCH / FS
- Call Control Capabilities: BS originated call (FS), MS originated call (FS), MS camp on, BS call disconnect, MS call disconnect
- Timing: Auto, manual, uplink-downlink offset measurement
- Hopping: Cyclic only, two MA tables with offsets
- Digital Audio Interface (DAI): Normal operation and test of acoustic devices and A/D & D/A
- Electrical Man Machine Interface: Control via HP-IB
- Speech Encoding / Decoding: Full rate speech (FS)
- Echo Mode: User selectable delay, 0 to 5 seconds
- Bit / Frame Error Rate Measurements: Class Ia, Ib, and II bits
- MS Power Output Level Control: 0 to 15 with RF analyzer auto adjust
- Measurement Coordination: Flexible control of burst and ARFCN
- SACCH MEAS Results: RXLEV, RXQUAL, RXLEV, timing advance