### 1GHz and 2.6GHz Spectrum Analyzer/Adapter

**7700 1GHz Spectrum Analyzer/Adapter**
- Wide 10MHz to 1GHz Frequency range
- Advanced DSP design converts any oscilloscope into a 1GHz spectrum analyzer. Requires minimum 20MHz Dual Trace Oscilloscope
- -90dBm sensitivity
- Resolution Bandwidths to 3kHz
- Direct CRT readout of frequency and signal level
- Can be used for EMI and RFI compliance testing
- This Spectrum Analyzer is ideal for testing AM, FM, CB, Cellular, Marine, Aircraft and Cable Television equipment
- Troubleshoot IF and RF circuits, wireless products such as two way radios, PCS, and cellular telephones, cable TV systems, wireless remotes, microphones and monitors
- On-screen markers with freq and level readouts
- Internal Calibration signal

**7800 2.6GHz Spectrum Analyzer/Adapter**
- 10MHz to 2.6GHz frequency range
- Advanced DSP design converts any 20 MHz or greater dual trace oscilloscope to a 2.6GHz spectrum analyzer
- Resolution Bandwidths to 3KHz and zero span
- LCD reads out Frequency and Amplitude
- Over 75dB of display range
- Internal Calibration Range
- On screen markers
- Ideal for testing AM, FM, CB, Cellular, Marine, Aircraft and Cable TV equipment

### Specifications

**[7700]**
- **Frequency**
  - Range: 10MHz to 1GHz, usable from 150kHz to 1.15GHz
  - Resolution: 1KHz center frequency
  - Stability: ± 10PPM
- **Spans**: Zero span, 2kHz to 100MHz/Div in a 1-2-5 sequence
- **Resolution Bandwidths**: 3kHz, 30KHz, 220KHz, 4MHz
- **Resolution Bandwidth Accuracy**: ±15%
- **Video Bandwidth**: 1.6kHz typical (auto switched with RBW)
- **RF Sweep Rate**: 20ms/Div

**Level Measurement**
- **Input Level Range**: -10dBm to +20dBm
- **Usable Display Range**: 75dB
- **Display Level Flatness**: ±1.5dB at less than 10MHz/Div.
- **Display Range Linearity**: ±1.5dB over 70DB Range (Resolution Bandwidth dependant)
- **Reference Level Accuracy**: ±1.5dB at 80MHz ±1.5dB over +20 to -30dBm setting
- **Phase Noise**: -77dBc/ Hz at 30KHz offset
- **Average Noise**: -140dBm/ Hz (typical)
- **RF Input Impedance**: 50Ω
- **Maximum Overload**: 150dBm for 1 minute max.
- **DC Block**: 50 Volts DC
- **General Specifications**
  - **Power**: 11 V DC to 16V DC @ less than 1A
  - **Power Consumption**: Less than 1A
  - **Connectors**: RF Input: Type N; Video and trigger output: BNC
  - **Size**: 3.0” H x 8.5” W x 10.0” D
  - **Weight**: < 5 lbs.
  - **Supplied Accessories**: Manual, 12V @ 1 amp AC/DC Adapter

**[7800]**
- **Frequency**
  - Range: 10kHz to 2.6 GHz
  - Resolution: 1KHz center frequency
  - Stability: ±10ppm
- **Spans**: Zero span, 2kHz to 100MHz/Div in a 1-2-5 sequence
- **Resolution Bandwidths**: 3kHz, 30KHz, 220KHz, 4MHz
- **Resolution Bandwidth Accuracy**: ±15%
- **Video Bandwidth**: 1.6kHz typical (auto switched with RBW)
- **RF Sweep Rate**: 20ms/Div

**Level Measurement**
- **Input Level Range**: -100 dBm to +20dBm
- **Usable Display Range**: 75dB
- **Display Level Flatness**: ±1.5dB at less than 10MHz/Div.
- **Display Range Linearity**: ±1.5dB over 70dB range (Resolution Bandwidth dependant)
- **Reference Level Range**: -30dBm to +20dBm
- **Reference Level Accuracy**: ±1.5dB at 80MHz ±1.5dB over +20 to -30dBm setting
- **Phase Noise**: -77dBc/ Hz at 30KHz offset
- **Average Noise**: -140dBm/ Hz (typical)
- **RF Input Impedance**: 50Ω
- **Maximum Overload**: +30dBm for 1 minute max.
- **DC Block**: 50 Volts DC
- **General Specifications**
  - **Power**: 11VDC to 16VDC @ less than 1A
  - **Power Consumption**: Less than 1A
  - **Connectors**: RF input: Type N; Video and trigger output: BNC
  - **Size**: 3” H x 8.5” W x 10.0” D
  - **Weight**: < 5 lbs.
  - **Supplied Accessories**: Manual, 12 @ 1 amp AC/DC adapter