E8600N
Spectrum Analyzer

Key Benefits

- 7 inch touch screen, 9kHz to 6GHz spectrum analyzer with 20MHz and 100MHz real-time analysis BW
- Signal analysis: 5G NR, FDD/TDD-LTE, UMTS.
- Interference analysis: Spectrogram, Signal Strength, Interference Location, DPS, Gated Sweep
- Real-time spectrum function to detect hidden signals hard to find

Key Measurements

1. Spectrum analysis

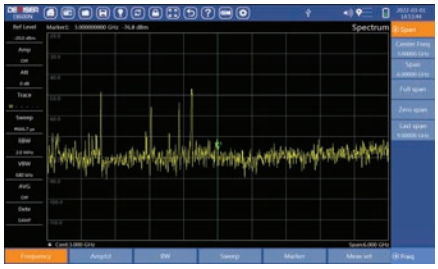

Figure 1: High performance spectrum analysis with frequency range of 9 kHz to 6GHz.

2. Spectrogram analysis

Figure 2: The spectrogram provides a scrolling three-dimensional display for tracking amplitude over time.

3. Interference Location

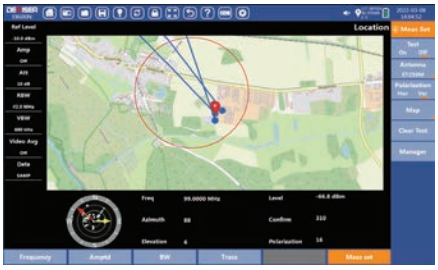

Figure 3: Interference Location uses AoA method to locate the interference signal

4. Gated Sweep

Figure 4: Gated Sweep provides specific slot spectrum of a TDD system.

5. 5G-NR Beam Analyzer

Figure 5: 5G NR beam analysis measures up to 8 beams at once.

6. LTE Power Vs Time

Figure 6: LTE Power vs Time chart provides both time-domain and spectrum analysis.

Specifications

Spectrum Analyzer	
Frequency range	9 kHz to 6 GHz
Frequency ref. accuracy (based on local clock)	±1 ppm (0 to +50°C)
IF bandwidth	20 MHz and 100MHz
Amplitude accuracy	± 1.5 dB (20 to 30°C)
Phase noise	-100 dBc/Hz (100 kHz offset from 1 GHz)
3rd-order intercept (TOI)	+14 dBm (typical)

General	
Display	7 inches touch screen
Test interface	50 Ω N Connector
Data transfer	USB and LAN
Operating time	3 hours
Operating temperature	-10 ℃ to +50 ℃
Dimensions (LxWxH)	255 mm x 177 mm x 72mm
Weight	2kg