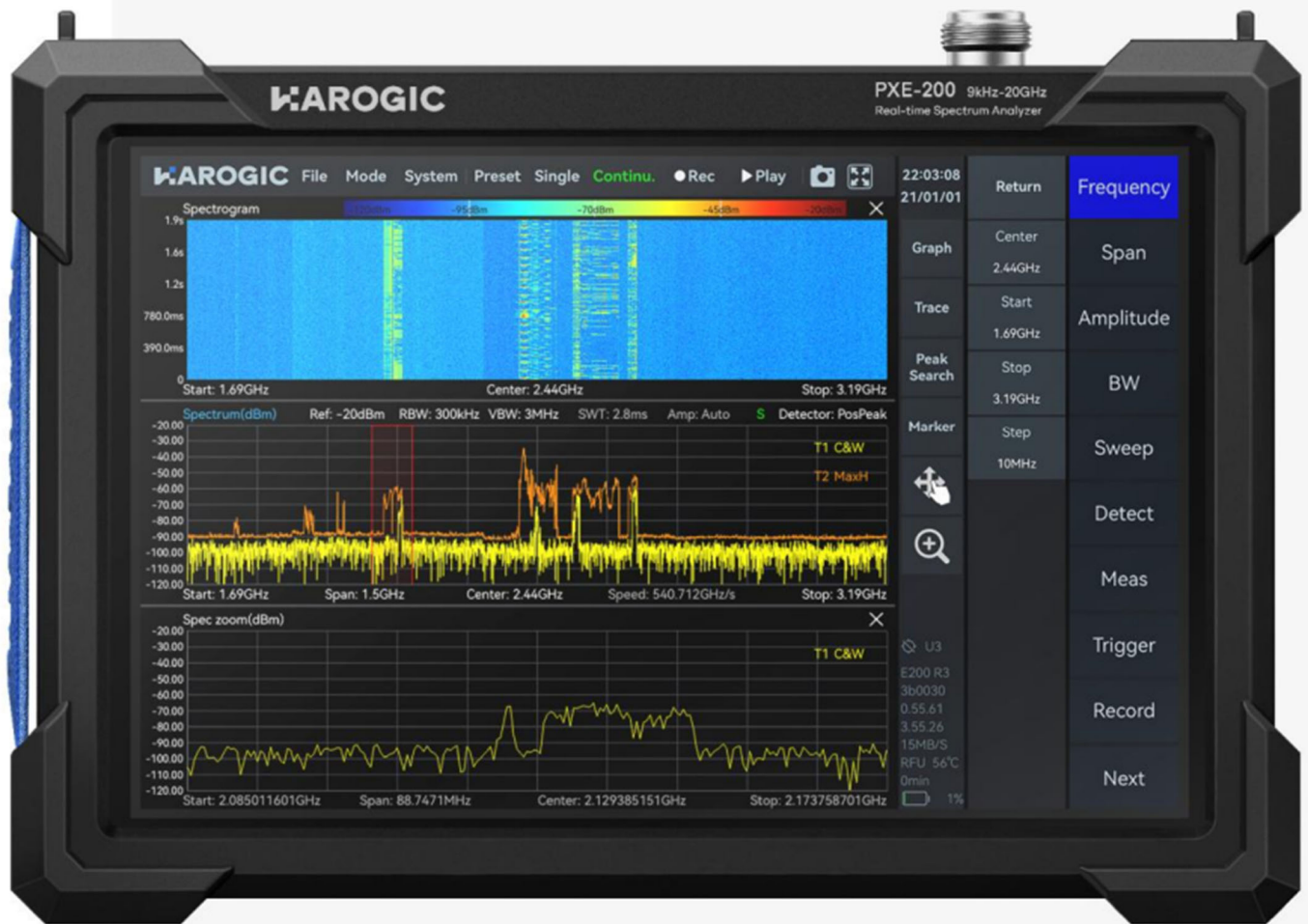




HANDHELD REAL-TIME SPECTRUM ANALYZER

Key Features

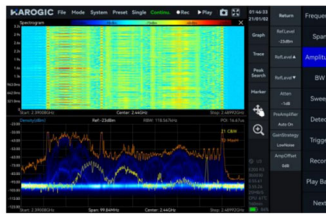
- Ultra portable, flexible performance
- Standard 3-hour battery life with external power expansion support
- Portable design: 1.5kg with a 10.1-inch multitouch screen
- Frequency range: **9 kHz to 9.5/20/40 GHz**
- Analysis bandwidth: 100 MHz
- 1 GHz DANL: < -160 dBm/Hz
- 1 GHz Phase Noise: < -100 dBc/Hz@10 kHz
- Standard SCPI protocol support

V1.7

2025/11/05

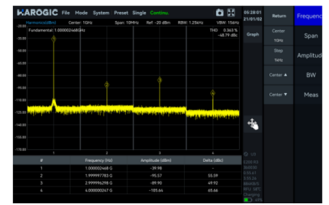
Real-time Spectrum Analysis Mode

This mode is powered by a high-speed FPGA-based FFT engine, featuring with strictly gapless and overlap-free FFT, achieving true real-time monitoring across the full bandwidth.



Harmonics Analysis Mode

This mode supports detection and measurement of up to 10 harmonic components, including harmonic peaks, harmonic channel power, and total harmonic distortion.



Digital Demodulation Mode (option)

This mode supports 2ASK, 2FSK, 4FSK, GMSK, BPSK, QPSK, 8PSK, 16QAM, 64QAM, 128QAM, and 256QAM signals.



Phase Noise Measurement Mode

This mode supports offset ranges from 1 Hz to 10 MHz for evaluating carrier phase stability. With the built-in automatic carrier search function, the software can quickly locate the target carrier without manual adjustment.



Channel Power



OBW



Antenna Factor



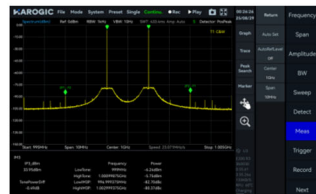
Amplitude Offset



ACPR



IM3



Signal Track



Peak Table



SEM



AM Demodulation



Data Record and Playback



Multiple Unit Display



FM Demodulation



Pulse Detection (option)



Display average noise level
(DANL)
dBm/Hz
RBW=1 kHz

	PXE-90		PXE-200		PXN-400	
Reference level (R.L.)	-20 dBm	-50 dBm	-20 dBm	-50 dBm	-20 dBm	-50 dBm
9 kHz to 1 MHz	-143.0	-152.4	-143.6	-152.6	-136.0	-145.8
1 MHz to 90 MHz	-152.0	-159.2	-151.8	-160.0	-153.7	-158.0
90 MHz to 3 GHz	-146.0	-167.5	-149.7	-166.3	-154.1	-159.9
3 GHz to 9.5 GHz	-153.6	-167.0	-151.4	-157.5	-154.1	-159.9
9.5 GHz to 19 GHz	-	-	-156.1	-160.6	-156.8	-161.5
19GHz to 20 GHz	-	-	-156.1	-160.6	-145.2	-149.3
20 GHz to 40 GHz	-	-	-	-	-145.2	-149.3