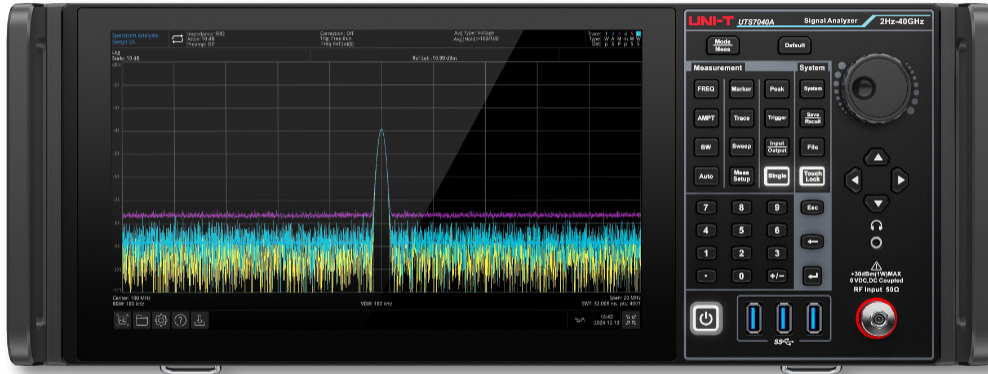


## Ultimate RF Precision Engineering

2 Hz–40 GHz



### Key Specifications

Frequency Range	2 Hz to 13.6/26.5/32/40 GHz (model dependent)
Resolution Bandwidth (RBW)	1 Hz to 3 MHz (10% step), 4, 5 MHz
Displayed Average Noise Level (DANL)	-166 dBm/Hz (Typ.)
Phase Noise	< -108 dBc/Hz @ 10 kHz offset (Typ.)
Sweep Points	Up to 100,001
Tracking Generator	No
Real-time Bandwidth	20 MHz standard 40/85/160/255 MHz optional
Display	11.6-inch 1920 × 1080 multi-touch HD screen

### Advanced Analysis for Modern RF Challenges

- Ultra-High Resolution Analysis**  
 100,001 sweep points combined with 0.01 Hz frequency resolution enables precise identification of closely-spaced signals and detailed spectrum characterization with minimal measurement errors and fluctuations.
- Flexible Analysis Bandwidths**  
 Standard 20 MHz with optional bandwidths up to 255 MHz provide comprehensive signal understanding. Multiple RBW options with 10% stepping offer 160 selectable resolutions for optimal measurement parameter balance.
- I/Q Vector Analysis**  
 Hardware-based I/Q data collection for accurate baseband signal restoration. Time and frequency domain measurements with signal frequency/amplitude/phase information and data export capabilities for secondary analysis.

### Elevate your signal analysis

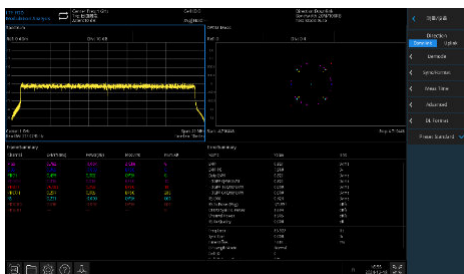
- One-Button Phase Noise Measurements
- Advanced Modulation Analysis
- EMI Pre-Compliance Measurements
- 4G LTE & 5G NR Analysis
- One-Click Advanced Measurements
- 4U Rack-Mount Design
- Ubuntu OS Standard, Windows 10 Optional
- Quick Hard Drive Replacement Capability



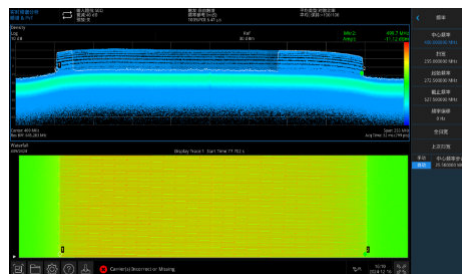
# UTS7000A Signal Analyzer Overview

## Competitive Comparison Matrix

Brand	Series	Frequency Range	DANL	Phase Noise	Sweep Points	RBW	Real-time BW Std/Opt	OS	Display
UNI-T	UTS7000A	2 Hz – 40 GHz	<-166 dBm	<-108 dBc/Hz	100,001	1 Hz–3 MHz + 4/5 MHz	20/255 MHz	Ubuntu/Win	11.6" Touch
Keysight	N9010B	10 Hz – 44 GHz	<-162 dBm	<-114 dBc/Hz	100,001	1 Hz–8 MHz	10/125 MHz	Win	10.1" Touch
R&S	FSVA3000	10 Hz – 44 GHz	<-160 dBm	<-129 dBc/Hz	100,001	1 Hz–10 MHz	40MHz/1 GHz	Win	10.1" Touch
Anritsu	MS2840A	9 kHz – 44.5 GHz	<-158 dBm	<-110 dBc/Hz	N/A	1 Hz–10 MHz	40/510 MHz	Embedded	10.4" TFT



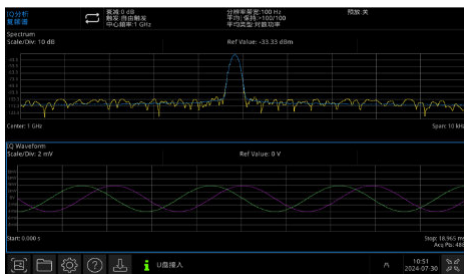
**Communication 4G LTE, 5G NR Analysis**  
Avoid signal quality issues and ensure communication accuracy and reliability



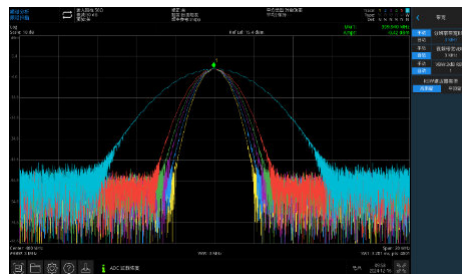
**20MHz Real-Time Analysis**  
Optional analysis bandwidth of 40MHz, 85MHz, 160MHz, 255MHz



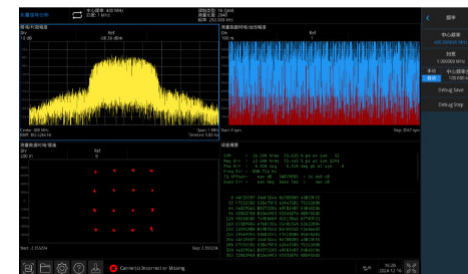
**Ubuntu OS**  
Removable hard drive.  
Optional Windows OS



**IQ Analysis**  
Perform basic measurements on received signals in the time and frequency domains



**160 Selectable RBWs**  
More effective spectrum separation  
Balance between sensitivity and scanning speed



**Analog and Digital Analysis**  
AM, FM, PM, FSK, PSK, ASK, MSK, and QAM

**Why UNI-T?** Over 35 years of innovation. 5-Year Warranties. US-Support. 30-Day No Hassle Returns.