thinkRF[™] Spectraware Real-Time Spectrum Analysis Software



Comprehensive data visualization and measurement tools for both spectrum and signal analysis



SIGNAL DEMODULATION

for deeper signal analysis



SIGNAL DISPLAYS

Spectral Plot Spectrogram Persistence Plot IQ Constellation Frequency Domain Time Domain



RECORD & PLAYBACK

Spectral data with context or full demodulated streams with graphing and audio support





OVERVIEW

Spectraware Real-Time Spectrum **Analysis Software**

Extract the original informationbearing signal from a carrier wave for a deeper signal analysis



9 kHz to 8, 18 or 27 GHz



0.1 / 10 / 40 MHz Real-time bandwidth (RTBW)



Demodulation capabilities for signal analysis applications



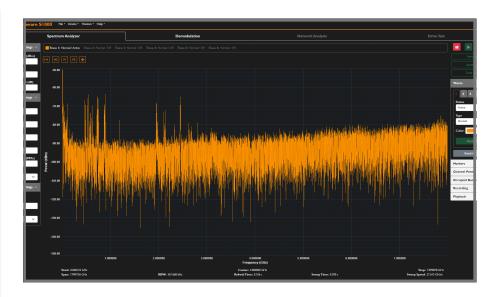
Multiple traces & persistence



Spectral power measurements



Record/Playback



Provides comprehensive data visualization and measurement tools for both spectrum and signal analysis

The thinkRF™ Spectraware software harnesses the power of the thinkRF Real-Time Spectrum Analyzers to provide all the visualization capabilities you'd expect, while still being cost-effective and easy to use. The intuitive graphical user interface (GUI) has been designed with the end-user in mind, focusing on center, span, start and stop coupled mode rather than on RFF mode as its primary control model, simplifying the user experience and keeping the view of the spectrum front and center.

Along with this enhanced usability, the Spectraware software has more measurement capabilities, including occupied bandwidth

and calibrated time-domain data. It also expands on its signal analysis capabilities to include signal demodulation. Working with the thinkRF Real-Time Spectrum Analyzers, the Spectraware gives users the performance and capabilities they need. With 40 MHz, 10 MHz or 100 kHz real-time bandwidth at frequency ranges of 9 kHz to either 8 GHz, 18 GHz or 27 GHz, it is powerful enough for any application, including regulatory and intelligence monitoring, telecom deployment optimization, test and measurement, situational awareness, research or realtime spectrum monitoring.



FEATURES & CAPABILITIES

Spectraware | Real-Time Spectrum Analysis Software

AUTOMATIC MEASUREMENTS

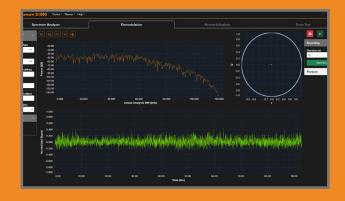
devices and signals such as Wi-Fi, Bluetooth, and cellular standards such as 3G/4G/5G/LTE.

The Channel Power measurement determines the power Bandwidth measurement determines the bandwidth which contains a percentage of the total integrated power of the signal, centered on the assigned channel frequency.



DEMODULATION FOR DEEPER SIGNAL ANALYSIS

the original information-bearing signal from the carrier Frequency Domain, and Time Domain graphs in the clean, professional interface and record and play back streams with full demodulation and graphing support.



PERFORMANCE YOU NEED

intuitive soft menu on the right-hand side of the display. and Bandwidth, are presented on the left and are always available to the user.





VISUALIZATION MODES

Spectraware | Real-Time Spectrum Analysis Software

COMPLETE ANALYSIS

a complete view of the spectrum. With a single click, users them to compare signals across different domains.

FREOUENCY DOMAIN

frequency and allows the user to see how much of a signal analyze specific signals of interest.

SPECTROGRAM VIEW

the spectrum by adding the dimension of time. It allows the users to see the periodicity of any given signal or measure frequency and bandwidth. The color of the measurements power of the signal.

PERSISTENCE VIEW

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as the frequency domain view, but signals persist on the spectrum graph. The color is an indication of how dense or how often the signal is present at respective power levels.

TIME DOMAIN VIEW

from analyzing one set of frequencies to another set. The 40 MHz or lower.













General Specifications

Spectraware Real-Time Spectru	um Analysis Software	
Resolution Bandwidth (RBW) Range Windowing	1 Hz to 488.28 kHz Hanning, Cosine, Gaussian	
Traces	6	Clear/Write, Trace Average, Max Hold, Min Hold
Markers Modes Marker Frequency Resolution	6 Normal (Tracking), Delta, Fixed 0.01 Hz	Peak Search, Next Peak, Next Left/Right, Center
GNSS Tracking Display (R5750 only)	Real time GPS data, updates	every second
Save/Load Data Configurations	Power Spectral Data with Time Stamp, Context Save/Load Settings	CSV format, optional saving duration Save settings for easy recall
Export Data	CSV	Comma Separated Values
Demodulation Audio Signal Displays	AM / FM 0%-300% IQ Constellation Frequency Domain Time Domain	With Record/Playback Host PC sound card
Recommended PC		
Operating System	Windows 10/11 (32 or 64)	
Minimum RAM Size	4 GB	
Minimum Free Hard Disk Space	10 GB	
Ethernet Port	1 GigE	
Display Resolution	1920 x 1080	
thinkRF Real-Time Spectrum And	alyzers Supported	
R5500 / R5550 / R5750	All models except for WBIQ	

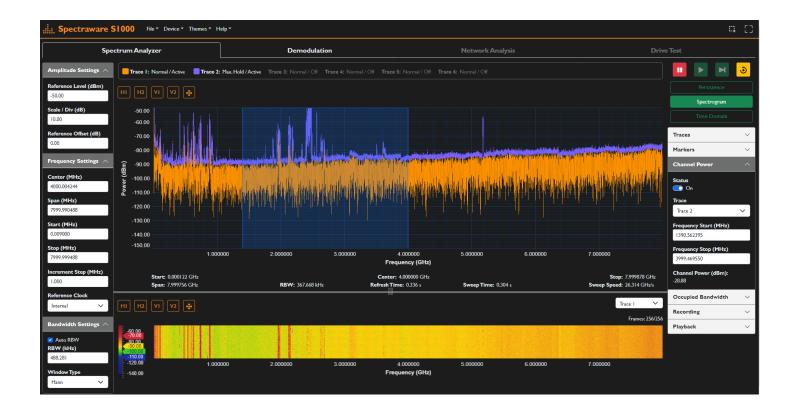
Ordering Information

Part Number	Description
Spectraware	Real-Time Spectrum Analysis software (FREE with the purchase of any thinkRF RTSA)



CONTACT US TODAY FOR A FREE DEMO!

thinkRF[™] Spectraware Real-Time Spectrum Analysis Software



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