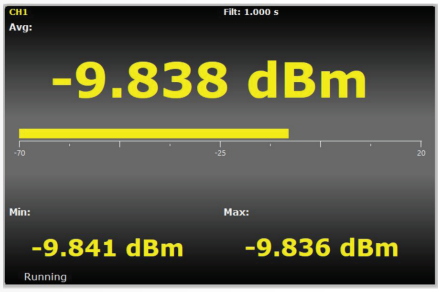
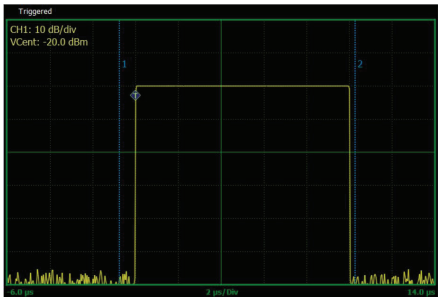
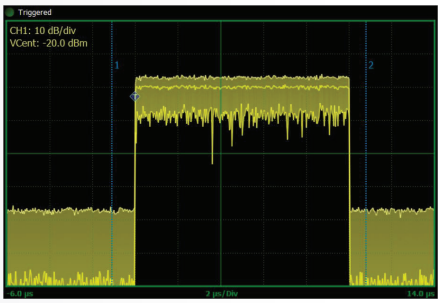
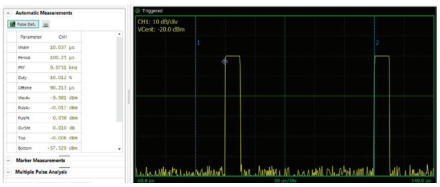
Boonton

Boonton Power Analyzer Software - Overview

The Boonton Power Analyzer (BPA) software is a Windows based software package that provides control and readout of the Boonton RTP5000 and RTP4000 series power sensors. It is an easy-to-use program that provides both time and statistical domain views of power waveforms with variable peak hold and persistence views. Power measurements are supported using automated pulse and statistical measurements, power level and timing markers.

Display and Measurement Features

Feature	RTP4000	RTP5000	Display
Meter View	Average Power	Average, Min., and Max. Power	
Trace View	Yes	Yes	
Envelope, Max., and Min. Displays	No	Yes	
Automated Measurements	Pulse width, rise, fall. Period, PRF, duty cycle, off time, waveform av., pulse av. Overshoot, droop, top, bottom, edge delay, skew	As for RTP4000 plus pulse peak power	

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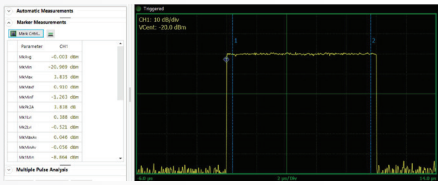
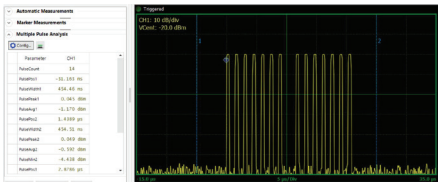
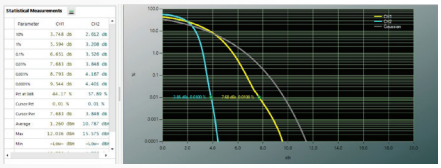
Feature	RTP4000	RTP5000	Display
Automated Marker Measurements	Yes	Yes	
Multiple Pulse Measurements	Yes	Yes	
CCDF and Statistical Measurements	No	Yes	

Additional Features

Number of sensors	Control up to 8 sensors simultaneously – may be a mix of RTP4000 and RTP5000 series
Trace memory	One per sensor
Trace averaging	Settable from 1 to 16,384 sweeps
Time base	Settable from 5 ns/div to 50 ms/div
Triggering	See sensor datasheets
Export to PDF	Export of trace image; automatic pulse, marker, and multiple pulse measurements; power sensor information for reports
Export to CSV	Export of trace data, automatic pulse, marker, and multiple pulse measurements permits post-measurement analysis
RF performance	See sensor datasheets
Sensor calibration	Enter frequency to access factory calibration value
Sensor zeroing	User-initiated sensor zero
Sensor data	Viewable via BPA software GUI
Firmware update	Includes ability to update sensor firmware