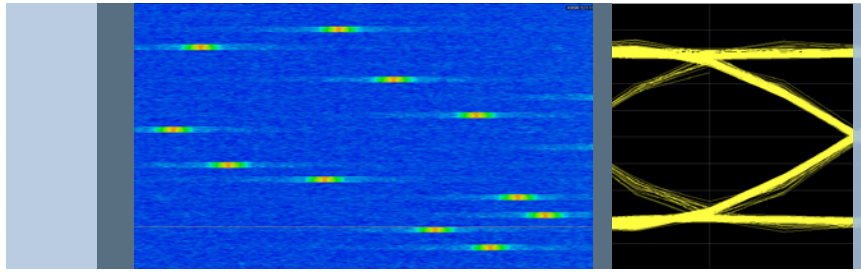
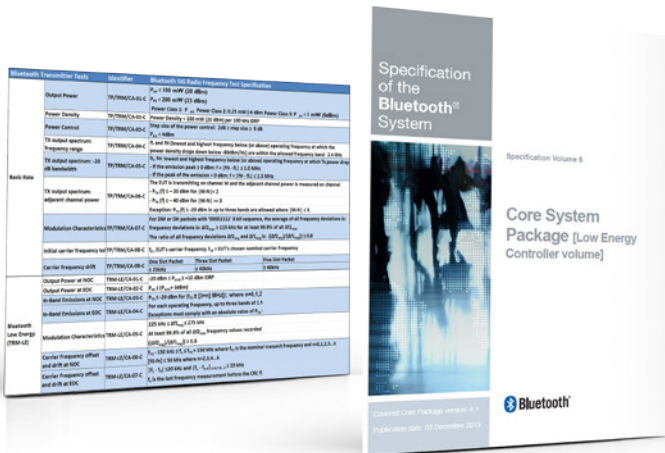


Bluetooth® Radio Transmitter Testing Solution



RF-PHY Pre-compliance and Packet Analysis



Simple Transmitter RF Validation per Bluetooth SIG

- Bluetooth Low Energy, Basic Rate and Enhanced Data Rate* (Automatic detection of Standard)
- Push-button measurements and Pass/Fail reporting
- Customizable Limits
- Packet Information: Type, Sync Word, Header, Payload, CRC
- Multiple Spectrum Analyzer families supported
- Off-line PC Analysis supported

Low Energy RF Transmitter Performance

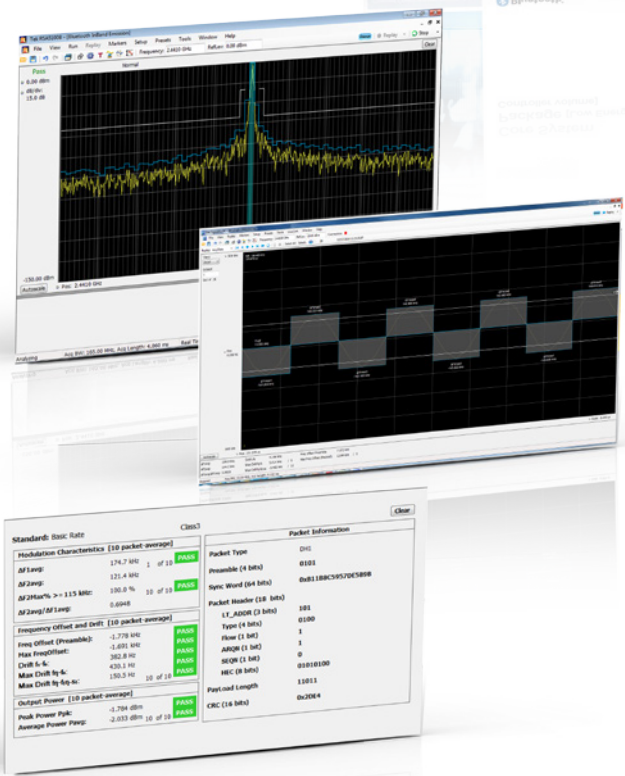
- Per RF PHY Bluetooth Test Specification
- Includes all Transmitter Tests (TRM-LE): Output Power, In-Band Emissions, Modulation Characteristics, Carrier Frequency Offset and Drift
- Push-button Pass/Fail results
- Direct Test Mode
- Decoding of Test and Non-Test packets

Basic Rate RF Transmitter Performance

- Per RF Bluetooth Test Specification
- Includes all Transmitter Tests (TRM): Power, ACPR, -20dB Bandwidth, Modulation Characteristics, Carrier Frequency Offset and Drift
- Push-button Pass/Fail results
- Direct Test Mode
- Decoding of Test and Non-Test packets

Enhanced Data Rate RF Transmitter Analysis

- Eye Diagram, Constellation, Symbol information and Power Measurements
- Decoding of Test and Non-Test packets



Same User Interface and Major Features Across Multiple Software and Firmware Platforms

- Spectrum Analysis & RF Measurements
- Vector Signal Analysis, including symbol information
- Bluetooth RF-PHY measurements and packet field decoding

SignalVu-PC running with MDO4000B Mixed Domain Oscilloscope

- PC Controls the MDO4000B RF section
- Widest Vector Signal Analysis - 1 GHz Analysis Bandwidth
- World's only Multi Domain Analyzer

SignalVu running on a Higher Performance Mixed Signal Oscilloscope

- Option to Scope, runs directly on Scope
- Widest Bandwidth Analysis Bandwidth

SignalVu-PC Analyzes Saved Waveform Captured from any Tektronix Oscilloscope or RSA

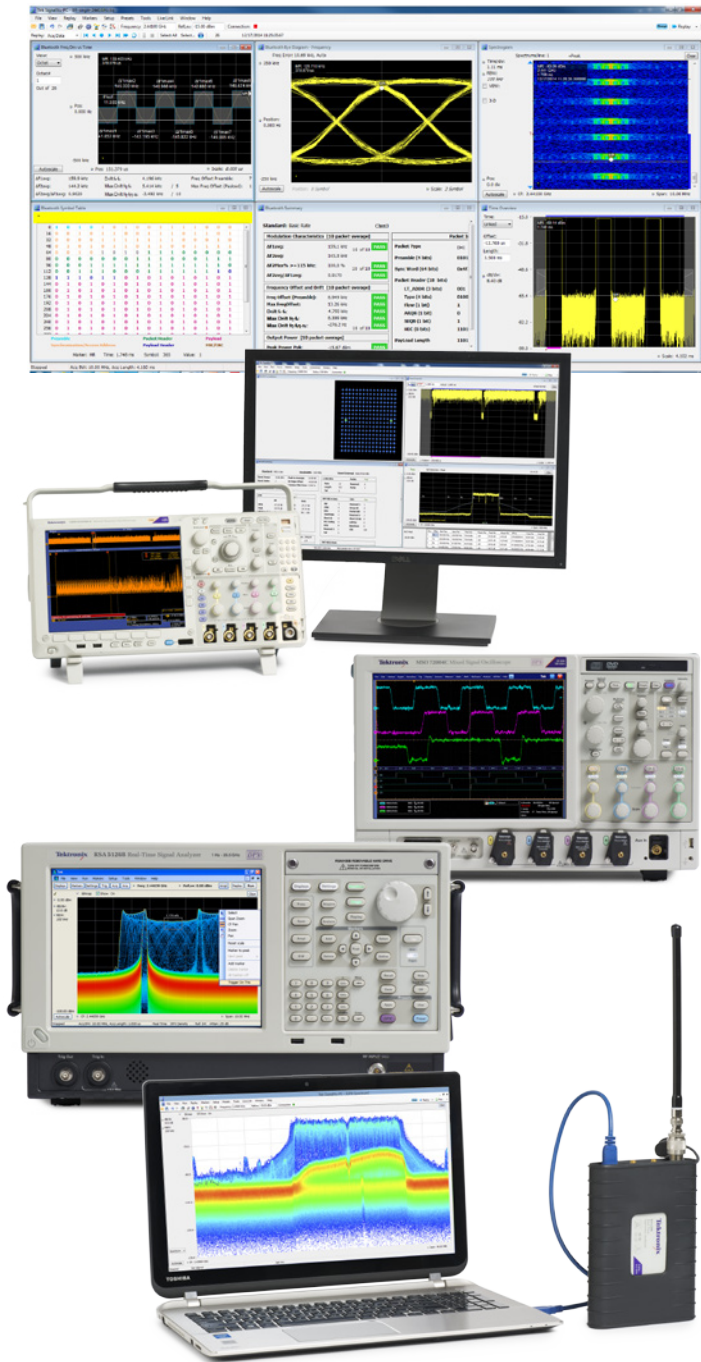
- Analyze IQ Files Captured from an RSA or Scope running SignalVu
- Analyze ISF and WFM files from Scopes not running SignalVu

RSA5000B Real Time Spectrum Analyzer with same VSA, adds Real Time Spectrum Analysis

- DPX™, Swept DPX, DPX Spectrogram, Density Triggers

RSA306 USB Real Time Spectrum Analyzer for field measurements

- The ideal tool to help with device validation
- Includes Vector Signal Analysis capability



Model	Maximum Frequency Range	Maximum Analysis Bandwidth	Basic Rate Deviation Uncertainty	In-Band Emission Level uncertainty
RSA5000B	26.5 GHz	165 MHz	Typical < 2 KHz ± 0.1 ppm	± 0.35 dB
MDO4000B + SignalVu-PC	6 GHz	1 GHz	Typical < 2 KHz ± 1.6 ppm	± 1.0 dB
RSA306 + SignalVu-PC	6.2 GHz	40 MHz	Typical < 2 KHz ± 3 ppm + aging	± 2.0 dB

For complete information, go to www.tektronix.com