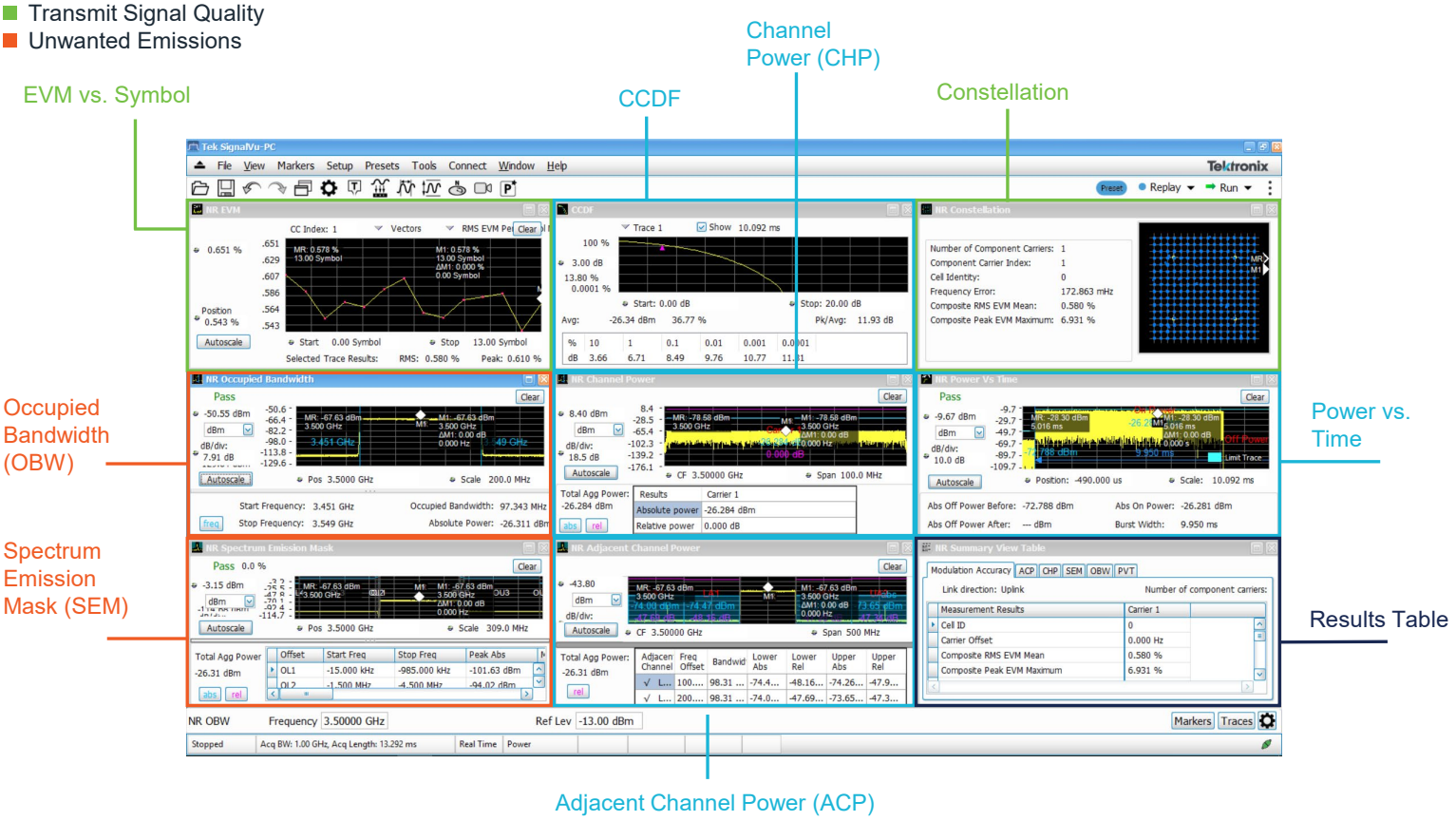
Tektronix®

Re-Imagine 5G Measurements

5GNR Signal Analysis Package Enables Wideband New Radio Measurements with Tektronix Oscilloscopes

SignalVu Vector Signal Analysis Software offers a broad range of RF measurements and is available for both Tektronix spectrum analyzers and oscilloscopes, including the 6 Series B MSO and DPO70000SX Series oscilloscopes. The SignalVu 5GNR option enables you to examine 5G New Radio (NR) physical layer signals to confirm DUT performance and ensure compliance with 3GPP measurement specifications.

- Output Power Level and Dynamics
- Transmit Signal Quality
- Unwanted Emissions



Additional measurement capabilities include:

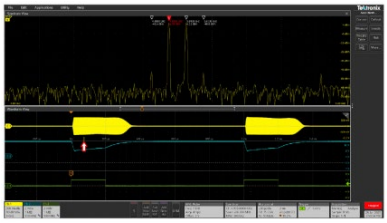
- Spectrum
- Spectrogram
- Amplitude vs. Time
- Frequency vs. Time
- Phase vs. Time
- RF I&Q vs. Time
- Time Overview *(analysis length/offset)*
- Settling time
- ACPR, MCPR
- Spurious display
- AM, FM, PM analysis
- nQAM, nFSK, nPSK, nQPSK, nAPSK, nCPM analysis
- Flexible OFDM
- Other high-speed serial/digital data protocol compliance support

In-depth analysis and troubleshooting with coupled measurements and markers across measurements and domains. Save, recall or playback results for collaboration and documentation. Full programmatic control enables automation.

6 Series B MSO with SignalVu and 5GNR Analysis:

- Analyze signals up to 10 GHz frequency range and 2 GHz bandwidth
- Simultaneous time and frequency-domain views with independent acquisition settings in each domain
- Take advantage of low noise on each channel for high quality EVM measurements (< 1%)

In addition to making detailed 5G NR measurements with SignalVu, the 6 Series B MSO offers up to 8 FlexChannel™ inputs. Configure each channel for analog, digital, or RF analysis for a synchronized, system-level view, which is critical for mixed-signal system debug and validation of 5G NR RFICs, baseband transceivers, and beamformers.



Power amplifier output with enable signals. 6 Series MSOs can perform spectrum analysis synchronized with analog and digital waveforms.

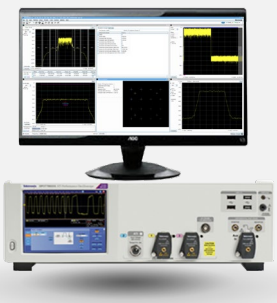
Ordering Information

Option	Description
5GNRNL-SVPC	Option for SignalVu 5G NR Uplink/Downlink RF Power, Dynamics, Modulation Accuracy (EVM), and Unwanted Emissions Measurements.

Required Options	
Option	**Description**
6-SV-RFVT	Option for 6 Series B MSO. Spectrum View RF vs. Time Analysis. Enables I/Q Data to be Exported from 5 or 6 Series MSO.
CONNL-SVPC	Option for SignalVu. Enables Base SignalVu Features and Live Connection between Oscilloscope and SignalVu.

Recommended Option	
Option	**Description**
6-WIN	Removable SSD Option with Windows License for 6 Series B MSO. Allows SignalVu to Run on the Oscilloscope Rather than Separate PC.
6-SV-BW-1	Increase SpectrumView capture bandwidth to 2 GHz

DPO70000SX Series Oscilloscopes with SignalVu and 5GNR Analysis



- Accurately measure low, mid, and high-band signals with models in series available up to 70 GHz
- Take advantage of the lowest noise and highest fidelity for EVM (< 1%)
- In addition to 5G NR measurements with SignalVu, configure your instrument with up to 4 channels, and with the Tektronix UltraSync™ High Performance Synchronization and Control Bus combine multi-unit systems of up to four DPO70000SX units. Maintain channel-to-channel timing accuracy for MIMO applications.

Ordering Information

Option	Description
Opt. SVE or DPO-UP SVE	SignalVu Essentials Vector Signal Analysis Software. Wideband Spectral Analysis and Measurements.
DPO-UP 5GNR	Option for SignalVu 5G NR Uplink/Downlink RF Power, Dynamics, Modulation Accuracy (EVM), and Unwanted Emissions Measurements

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