



SignalVu
Technical Reference

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077-0224-12

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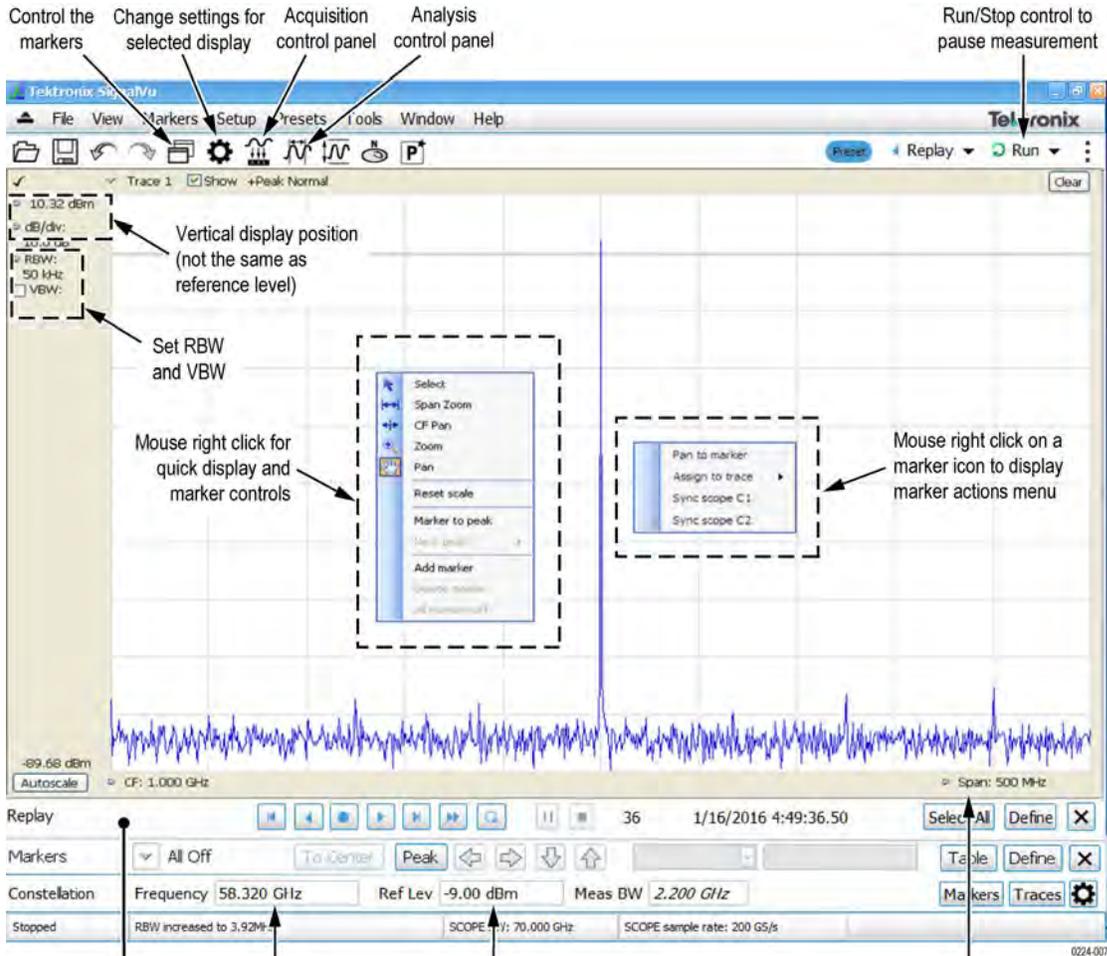
Getting started with SignalVu

The SignalVu Vector Signal Analysis software transforms a digital oscilloscope into an analysis tool for measuring and analyzing RF signal behavior. The software is based on that used in the RSA5000 Series Real-Time Analyzers.



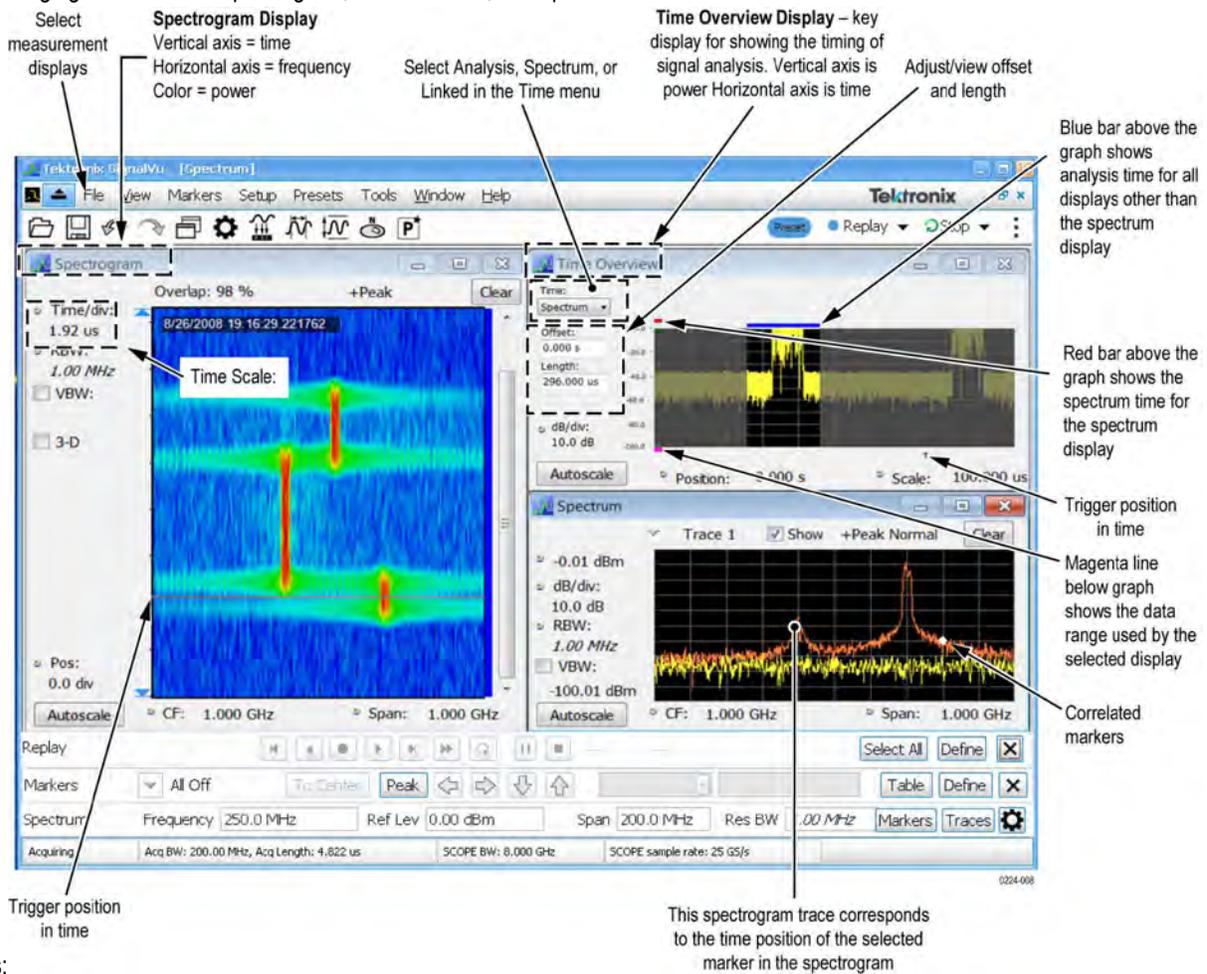
Note: For complete operating instructions, refer to the SignalVu Help, accessible in the SignalVu application.

The following figure shows the spectrum



display:

The following figure shows the spectrogram, time overview, and spectrum



displays:

SignalVu ordering information

This software runs on DPO/MSO5000, DPO7000C, DPO/DSA/MSO70000C, and DPO/MSO70000DX Series oscilloscopes.

For up-to-date information on Tektronix oscilloscope solutions for SignalVu, visit www.tek.com and search for SignalVu.

- Option SVE: SignalVu Essentials – Vector signal analysis software
- Option SVP: SignalVu Advanced Signal Analysis – Advanced signal analysis software (including pulse measurements); Requires Option SVE
- Option SVM: SignalVu General Purpose Modulation Analysis; Requires Option SVE
- Option SVT: SignalVu Settling Time (Phase and Frequency) Analysis; Requires Option SVE
- Option SVO: SignalVu Flexible OFDM Analysis; Requires Option SVE
- Option SVA: SignalVu Audio Analysis; Requires Option SVE
- Option SV23: SignalVu WLAN 802.11a/b/g/l/p Measurements; Requires Option SVE
- Option SV24: SignalVu WLAN 802.11n Measurements; Requires Option SVE
- Option SV25: SignalVu WLAN 802.11ac Measurements; Requires Option SVE
- Option SV26: SignalVu APCO P25 Analysis; Requires Option SVE
- Option SV27: SignalVu Bluetooth® LE and Bluetooth® Basic Rate RF Measurements; Requires Option SVE¹
- Option SV28: SignalVu LTE™ Downlink (Base Station) RF Analysis Measurements (includes Cell ID)²
- Option SV30: SignalVu 802.11ad/11ay Analysis; Requires Option SVE
- Option 5GNR: 5G NR Uplink/Downlink RF Power, Bandwidth, Demodulation, and Error Vector Magnitude measurements

¹ Bluetooth is a registered trademark of Bluetooth SIG, Inc.

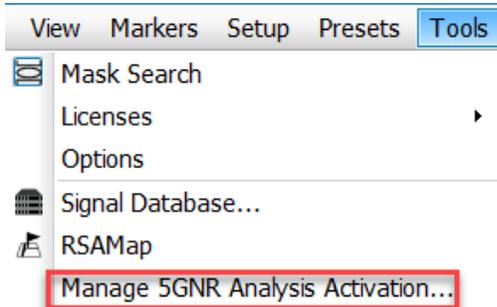
² LTE is a trademark of ETSI.

How to manage the 5GNR analysis license

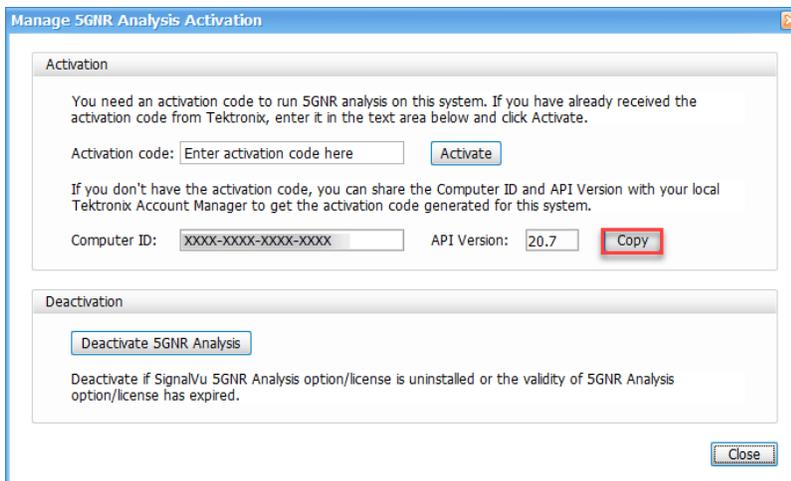
After installing the SignalVu 5GNR Analysis plugin, it needs to be activated on that instrument/PC/laptop. The activation requires an activation code which is 20 digit alphanumeric characters separated by a hyphen between every four characters. The following topics give procedure to activate or deactivate the 5GNR Analysis.

5GNR Analysis activation

1. Start the SignalVu application.
2. On the **Tools** menu, click **Manage 5GNR Analysis Activation...**. The **Manage 5GNR Analysis Activation** dialog box appears.

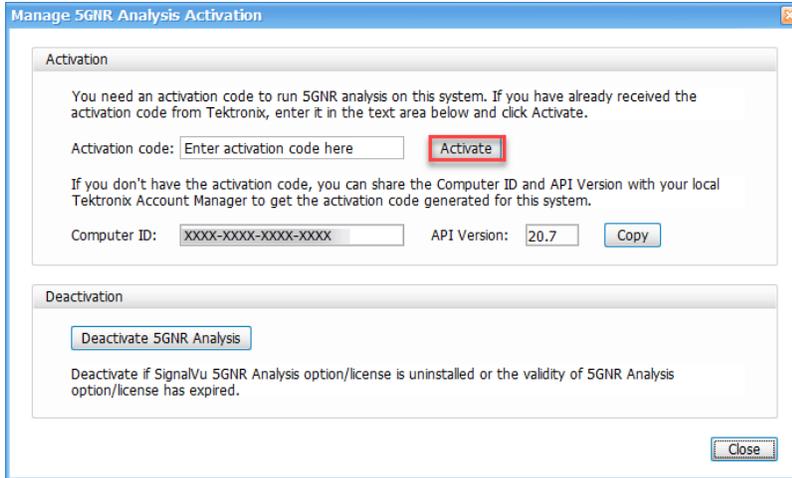


3. If you do not have the activation code, under **Activation**, click **Copy**, and then close the **Manage 5GNR Analysis Activation** dialog box.



 **Note:** Share the *Computer ID* and *API Version* that you have copied with your local Tektronix account manager to get the activation code generated for this system.

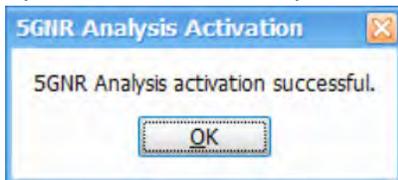
4. If you have the activation code, under **Activation**, in the **Activation code** box, enter the activation code that you received from Tektronix, and then click the **Activate**.



5. If you receive the "5G NR Analysis activation failed. Please enter a valid activation code." message, click **OK**, and then contact your local Tektronix support or Account Manager to get the correct activation code.



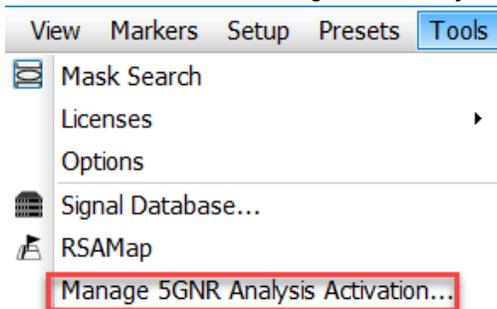
6. If you receive the "5G NR Analysis activation successful" message, click **OK**.



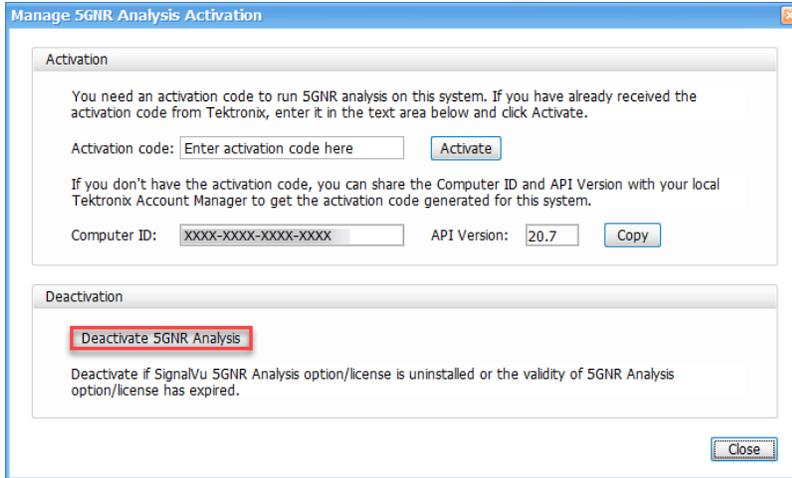
7. Close the **Manage 5G NR Analysis Activation** dialog box and restart the SignalVu application.

5G NR Analysis de-activation

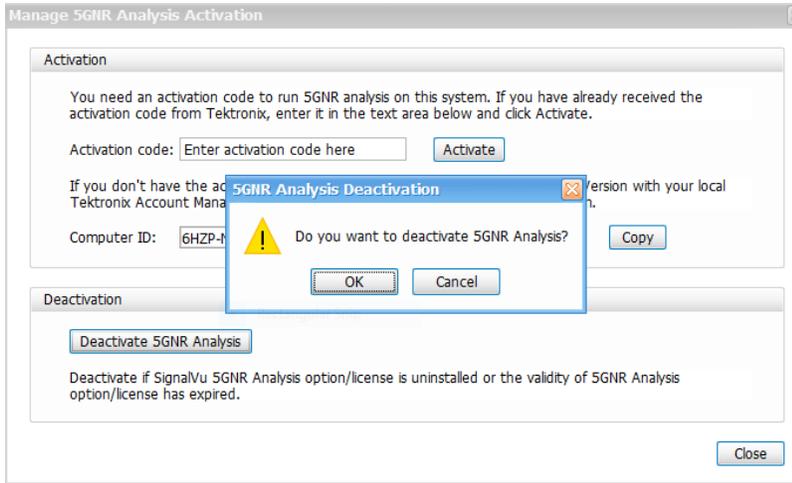
1. Start the SignalVu application.
2. On the **Tools** menu, click **Manage 5G NR Analysis Activation....** The **Manage 5G NR Analysis Activation** dialog box appears.



3. Under **Deactivation**, click **Deactivate 5G NR Analysis**.



4. Click **OK** and continue with 5GNR Analysis de-activation.



5. If you receive the "5GNR Analysis deactivation successful" message, click **OK**, and then restart the SignalVu application.

