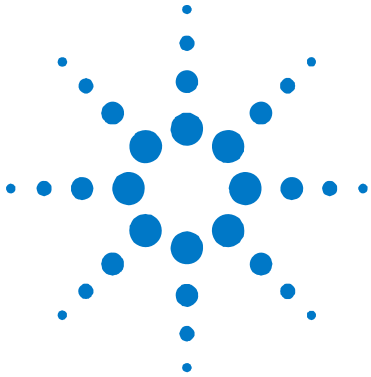

Agilent V2901A SignalMeister™ Integrated RF Signal Analysis and Generation Toolkit

Specifications

Agilent Technologies

Notices

Manual Part Number

V2901-90003

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Sales and Technical Support

To contact Agilent for sales and technical support, refer to the "support" links on the following Agilent web resources:

- www.agilent.com/find/V2901A (product-specific information and support)
- www.agilent.com/find/assist (worldwide contact information for repair and service)

Information on preventing damage to your Agilent equipment can be found at www.agilent.com/find/tips.

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Safety Notices

The following safety precautions should be

CAUTION

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

WARNING

A WARNING notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood and met.

Notice:

Please refer to the Agilent V2920A Vector Signal Generator Specification (Agilent part number V2920-90007) for perfomance specifications of instruments with SignalMeister licenses. This document is available:

- In hard copy, included in your instrument shipment
- On the CD-ROM that accompanied your instrument shipment
- Online at www.agilent.com/find/V2920A

Specification Definition:

Nominal data (mean or expected value):

Nominal values are performance values that units are expected to have under the following conditions:

- Ambient operating temperature of 23° C, unless otherwise noted.
- After a warm-up time of 30 minutes and self calibration at ambient temperature.

This performance is not warranted**.**

Signal Analysis

V2901A-WLN: WLAN SignalMeister license for 802.11a, b, g, j, n signal analysis

		Signal bandwidth	Standard	Frequency	V2820A
EVM[1,2]	SISO	20 MHz	802.11a	5.8 GHz	-41 dB
		20 MHz	802.11b	2.4 GHz	-44 dB
		20 MHz	802.11b	5.8 GHz	-41 dB
		20 MHz	802.11g	2.4 GHz	-43 dB
		10 MHz	802.11j	4.9 GHz	-41 dB
		20 MHz	802.11n	2.4 GHz	-42 dB
		40 MHz	802.11n	5.8 GHz	-40 dB
	MIMO	20 MHz	802.11n	2.4 GHz	-42 dB
		40 MHz	802.11n	5.8 GHz	-40 dB

[1] Input power: > -20 dBm with V2820A expected channel power set to the input power level.
[2] Signal characteristics: 802.11n downlink, 64 QAM modulation.

V2901A-WMX: SignalMeister license for 802.16e WIMAX signal analysis

		Signal bandwidth	Frequency	V2820A
Residual RCE[1,2]	SISO	10 MHz	700 MHz	-47 dB
			2.5 GHz	-45 dB
			3.5 GHz	-42 dB
		20 MHz	700 MHz	-46 dB
			2.5 GHz	-45 dB
			3.5 GHz	-42 dB
	MIMO (Wave 2)	10 MHz	700 MHz	-47 dB
			2.5 GHz	-45 dB
			3.5 GHz	-42 dB
		20 MHz	700 MHz	-45 dB
			2.5 GHz	-45 dB
			3.5 GHz	-42 dB

[1] Input power: > -20 dBm with V2820A expected channel power set to the input power level.

[2] Signal characteristics: 802.16e downlink, 10 MHz bandwidth, 1024 subcarrier FFT, 64 QAM modulation, 1/8 guard interval.