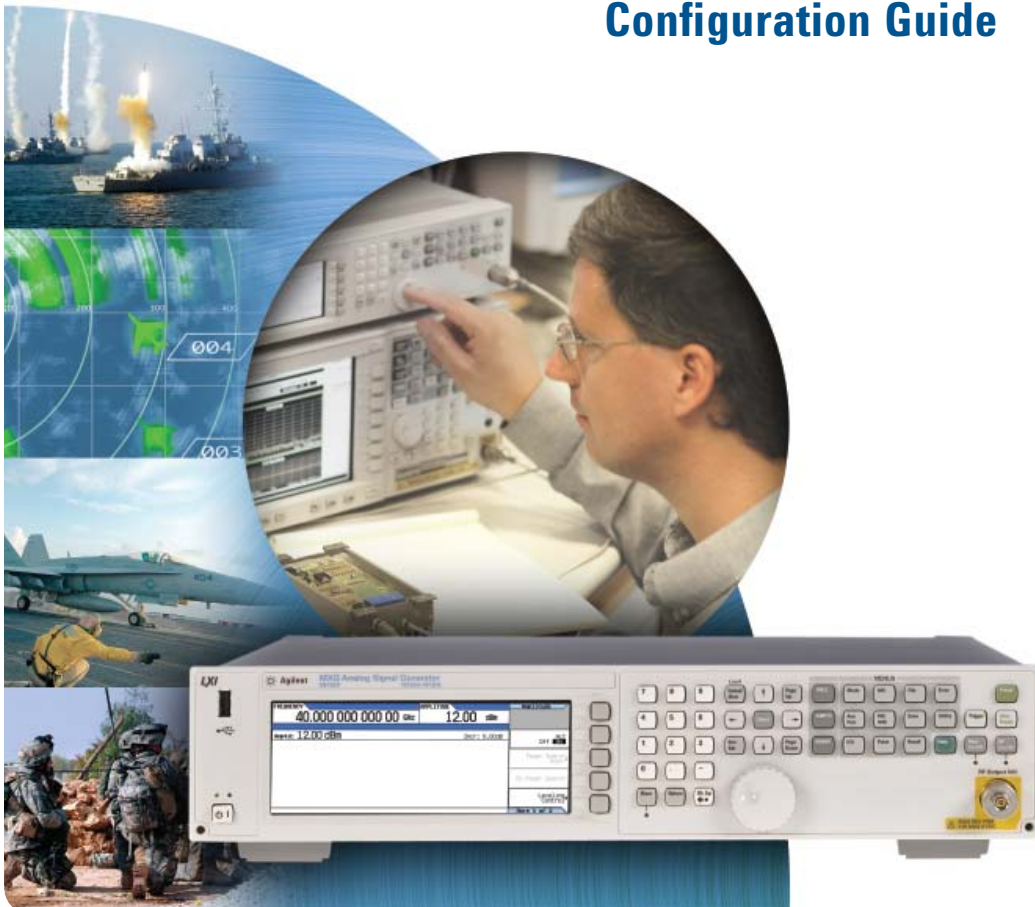# Agilent N5183A MXG Microwave Signal Generator

Configuration Guide

This guide is designed to assist in the ordering process for the MXG microwave signal generator.

Agilent Technologies

Agilent MXG microwave signal generator options

Step 1. Choose one frequency option (required)

Order item	Description	Requires	Not compatible	Upgrade
N5183A-520	Frequency range from 100 kHz to 20 GHz	UNC or 1ED	532/540	No
N5183A-532	Frequency range from 100 kHz to 31.8 GHz	UND	520/540	No
N5183A-540	Frequency range from 100 kHz to 40 GHz	UND	520/532	No

Step 2. Choose connector and input/output options

Option 520 instruments ship with a 3.5 mm (m) RF output connector on the front panel. Option 532 and 540 instruments ship with a 2.4 mm (m) RF output connector on the front panel.

Ordered item	Description	Requires	Not compatible	Upgrade
Standard with N5183A-520 (UNC)	3.5 mm (f) to 3.5 mm (f) connector adapter is included with purchase of Option 520		UND 532/540	No
Standard with N5183A-532 or 540 (UND)	2.4 mm (f) to 2.4 mm (f) and 2.4 mm (f) to 2.9 mm (f) connector adapter(s) are included with purchase of Option 532 and 540		UNC 520	No
N5183A-1ED	Type-N (f) RF output connector		532/540	No
N5183A-1EM	Move RF output to rear panel			No
N5183A-1ER	Flexible reference input (1-50 MHz)			Yes

Step 3. Choose performance enhancement options

Ordered item	Description	Requires	Not compatible	Upgrade
N5183A-006	Instrument security			Yes
N5183A-1E1	Step attenuator			Yes
N5183A-1EA	High output power			Yes
N5183A-UNT	AM, FM, phase modulation			Yes
N5183A-UNU	Pulse modulation		UNW	Yes
N5183A-UNW	Narrow pulse modulation		UNU	Yes
N5183A-UNZ	Fast frequency switching speed			Yes

Step 4. Choose accessories and documentation options

Product	Ordered item	Description	Upgrade contents	Additional requirements	Incompatible with
1CM	N5183A-1CM	Rack mount kit	Order as standalone	None	1CN, 1CP, 1CR
1CN	N5183A-1CN	Front handle kit	Order as standalone	None	1CM, 1CP
1CP	N5183A-1CP	Rackmount kit with front handles	Order as standalone	None	1CM, 1CN, 1CR
1CR	N5183A-1CR	Rack slide kit	Order as standalone	None	1CM, 1CP
AXT	N5183A-AXT	Hard transit case	Order as standalone	None	None
0BW	N5183A-0BW	Service documentation, assembly level	Order as standalone	None	None
ABA	N5183A-ABA	Printed copy of MXG family English documentation set	Order as standalone	None	None
CD1	N5183A-CD1	CD-ROM containing the English documentation set includes user's guide, installation guide, programming guide, service guide, SCPI command reference, error messages, programming examples, and data sheets	Order as standalone	None	None
AB1[1]	N5183A-AB1	Printed copy of MXG family user's guide - Korean localization	Printed copy of MXG family user's guide - Korean localization	None	None
AB2[1]	N5183A-AB2	Printed copy of MXG family user's guide - Chinese localization	Printed copy of MXG family user's guide - Chinese localization	None	None
ABJ[1]	N5183A-ABJ	Printed copy of MXG family user's guide - Japanese localization	Printed copy of MXG family user's guide - Japanese localization	None	None
AKT[1]	N5183A-AKT	Printed copy of MXG family user's guide - Russian localization	Printed copy of MXG family user's guide - Russian localization	None	None
802	N5183A-802	Customer service kit N5183A-520 front panel 3.5 mm and type N RF connector	Customer installable - hardware, License key	None	532, 540
803	N5183A-803	Customer service kit N5183A-520 rear panel 3.5 mm RF connector	Customer installable - hardware, License key	None	532, 540
804	N5183A-804	Customer service kit N5183A-520 rear panel N RF connector	Customer installable - hardware, License key	None	532, 540
805	N5183A-805	Customer service kit N5183A-532/540 front panel RF connector	Customer installable - hardware, License key	None	520
806	N5183A-806	Customer service kit N5183A-532/540 rear panel RF connector	Customer installable - hardware, License key	None	520

1. Refer to the online MXG family documentation for the most current information.

Step 5. Choose warranty and calibration options

Ordered item	Option	Description	Additional info
R1280A	R-51B-001-3C	1 year Return-to-Agilent warranty extended to 3 years	
R1280A	R-51B-001-5C	1 year Return-to-Agilent warranty extended to 5 years	
R1282A	R-50C-011-3	Return to Agilent Calibration Upfront Support Plan 3 year coverage	
R1282A	R-50C-016-3	Return to Agilent 17025 Calibration Upfront Support Plan	Must also order R1295A for service center installation.
R1282A	R-50C-021-3	Return to Agilent Z540 Calibration Upfront Support Plan 3 year coverage	Must also order R1295A for service center installation.
N5183A	UK6	Commercial calibration certificate with test data	

Step 6. Choose start up assistance service options

Ordered item	Option	Description
R1380A	PS S10	Remote scheduled assistance 1 to 999 hours
R1380A	PS S20	Daily productivity assistance
R1380A	PS T10-ASG	Signal generator and source basics; .05 day Max. 8 students on site
R1380A	PS-X10	Custom services to be qualified by Agilent

Standard product includes installation guide, electronic documentation set (CD-ROM), and country specific power cord.

Upgradeable options for the N5183A MXG microwave signal generator

Product	Ordered item	Description	Upgrade contents	Additional requirements	Incompatible with
006	N5183AK-006	Instrument security	Customer installable - software, License key	None	None
1CM	N5183A-1CM	Rack mount kit	Customer installable - hardware, License key	None	1CN, 1CP, 1CR
1CN	N5183A-1CN	Front handle kit	Customer installable - hardware, License key	None	1CM, 1CP
1CP	N5183A-1CP	Rack mount and front handle kit	Customer installable - hardware, License key	None	1CM, 1CN, 1CR
1CR	N5183A-1CR	Rack slide kit	Customer installable - hardware, License key	None	1CM, 1CP
1E1	N5183AK-1E1	Step Attenuator	Customer installable - software, License key	None	None
1EA	N5183AK-1EA	High output power	Customer installable - software, License key	None	None
1ED	Not Upgradeable	Type-N RF output connector	n/a	n/a	n/a
1EM	Not Upgradeable	Move RF output connector	n/a	n/a	n/a
1ER	N5183AK-1ER	Flexible reference input (1 -50 MHz)	Customer installable - software, License key	None	None
520	Not Upgradeable	Frequency range from 100 kHz to 20 GHz	n/a	n/a	n/a
532	Not Upgradeable	Frequency range from 100 kHz to 31.8 GHz	n/a	n/a	n/a
540	Not Upgradeable	Frequency range from 100 kHz to 40 GHz	n/a	n/a	n/a
ALB	N5183AK-ALB	LXI Class B functionality	Customer installable - software, License key	None	None
AXT	N5183A-AXT	Hard transit case	Hard transit case	None	None

UK6	Not Upgradeable	Commercial calibration certificate with test data	n/a	n/a	n/a
UNT	N5183AK-UNT	AM, FM, phase modulation	Customer installable - software, License key	None	None
UNU	N5183AK-UNU	Pulse modulation	Customer installable - software, License key	None	None
UNW	N5183AK-UNW	Narrow pulse modulation	Customer installable - software, License key	None	None
UNZ	N5183AK-UNZ	Fast switching	Customer installable - software, License key	None	None
802	N5183AK-802	Customer service kit N5183A-520 front panel 3.5 mm and type N RF connector	Customer installable - hardware, License key	None	None
803	N5183AK-803	Customer service kit N5183A-520 rear panel 3.5 mm RF connector	Customer installable - hardware, License key	None	None
804	N5183AK-804	Customer service kit N5183A-520 front panel N RF connector	Customer installable - hardware, License key	None	None
805	N5183AK-805	Customer service kit N5183A-532/540 front panel RF connector	Customer installable - hardware, License key	None	None
806	N5183AK-806	Customer service kit N5183A-532/540 rear panel RF connector	Customer installable - hardware, License key	None	None
0BW	N5183A-0BW	Service documentation, assembly level	Printed copy of the assembly level service guide	None	None
ABA	N5183A-ABA	Printed copy of MXG family English documentation set	Printed copy of MXG family English documentation set	None	None
CD1	N5183A-CD1	CD-ROM containing the MXG family English documentation set	CD-ROM with complete documentation in PDF format	None	None
AB1[1]	N5183A-AB1	Printed copy of MXG family user's guide - Korean localization	Printed copy of MXG family user's guide - Korean localization	None	None
AB2[1]	N5183A-AB2	Printed copy of MXG family user's guide - Chinese localization	Printed copy of MXG family user's guide - Chinese localization	None	None
ABJ[1]	N5183A-ABJ	Printed copy of MXG family user's guide - Japanese localization	Printed copy of MXG family user's guide - Japanese localization	None	None
AKT[1]	N5183A-AKT	Printed copy of MXG family user's guide - Russian localization	Printed copy of MXG family user's guide - Russian localization	None	None

1. Refer to the online MXG family documentation for the most current information.

Upgradeable options can be installed after the initial purchase of the signal generator.

Related Agilent Literature

Agilent N5183A MXG Microwave Analog Signal Generator, Data Sheet - Literature number 5989-7572EN

Agilent N5183A MXG Microwave Analog Signal Generator, Photo Card - Literature number 5989-7690EN

Web Resources

For additional product information, visit the Agilent MXG web page:
www.agilent.com/find/N5183A

For information about renting, leasing or financing test equipment from Agilent, visit:
www.agilent.com/find/buyalternatives

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