

# Agilent N9311X RF and Microwave Accessory Kit for Low-cost Handheld and Benchtop Solutions

N9311X RF and Microwave Accessory Kit complements Agilent's low-cost handheld and benchtop solutions (N934xC/N9340B/N9330B/N9310A/N9320B/N9000A). These accessories provide you with a complete solution for your measurement needs.

## Antenna



N9311X-500



N9311X-501



N9311X-504

Antenna	Frequency range	Antenna gain	Weight	Dimension	Other information
<b>N9311x-500</b>	70 to 1000 MHz	N/A	65 g	113.5 cm (full length), 19.5 cm (retracted), 10 stages	180 degrees tilt angle adjustable, telescopic whip antenna
<b>N9311x-501</b>	700 to 2500 MHz	N/A	70 g	210 x 20 mm	Omnidirectional
<b>N9311x-504</b>	700 MHz-4 GHz	4 dBi	270 g	340 x 200 x 25 mm	Logarithmic-periodic
<b>N9311x-508</b>	680 MHz-8 GHz	5 dBi	250 g	340 x 200 x 25 mm	Logarithmic-periodic
<b>N9311x-518</b>	680 MHz-18 GHz	5 dBi	250 g	340 x 200 x 25 mm	Logarithmic-periodic

## Bandpass Filter



N9311X-551

Bandpass filter	3 dB Passband	Rejection	Insertion loss	VSWR
<b>N9311X-550</b>	814 to 850 MHz	≥36 dBc @ 740 MHz ≥36 dBc @ 915 MHz	≤0.5 dB	≤1.5
<b>N9311X-551</b>	880 to 915 MHz	≥35 dBc @ 862 MHz ≥35 dBc @ 932 MHz	≤1 dB	≤1.5
<b>N9311X-552</b>	1707.5 to 1787.5 MHz	≥35 dBc @ 1550 MHz ≥35 dBc @ 1925 MHz	≤0.4 dB	≤1.5
<b>N9311X-553</b>	1845 to 1915 MHz	≥35 dBc @ 1770 MHz ≥35 dBc @ 1986 MHz	≤0.6 dB	≤1.5
<b>N9311X-554</b>	1910 to 1990 MHz	≥35 dBc @ 1825 MHz ≥35 dBc @ 2070 MHz	≤0.6 dB	≤1.5










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# Cable



N9311X-580	N9311X-581	N9311X-582	N9311X-583	N9311X-585	N9311X-586
Phase stable, 1.5 m, type N(m) to N(m), DC to 18 GHz	Phase stable, 3.0 m, type N(m) to N(m), DC to 18 GHz	1.5 m, type SMA(m) to SMA(m), DC to 8 GHz	1.5 m, type BNC(m) to BNC(m), DC to 1 GHz	Phase stable, 1.5 m, type N(m) to DIN(f), DC to 18 GHz	Phase stable, 1.5 m, type N(m) to N(f), DC to 18 GHz

# Adapter

N9311X-545	N9311X-541	N9311X-540	N9311X-543	N9311X-542	N9311X-544	N9311X-546	N9311X-547
Type N(f) to SMA(m), DC to 12.4 GHz	Type N(m) to SMA(f), DC to 12.4 GHz	Type N(m) to BNC(f), DC to 2 GHz	Type N(f) to BNC(m), DC to 4 GHz	Type N(f) to 7/16 DIN(f), DC to 7.5 GHz	Type N(f) to 7/16 DIN(m), DC to 7.5 GHz	Type N(f) to N(f), DC to 18 GHz	Type N(m) to 7/16 DIN(f), DC to 7.5 GHz
							

# Attenuator





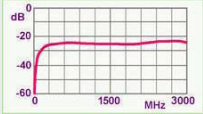



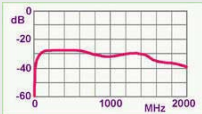


N9311X-561

Attenuator	Attenuation	Port	VSWR	Power rating	Length	Weight
N9311X-560	40 dB	N (m) to N (f)	DC – 4.0 GHz: 1.15 4.0 – 8.5 GHz: 1.2	10 watts average	67.3 mm (2.65 inch)	0.085 kg/3 oz
N9311X-561	40 dB	N (m) to N (f)	DC – 4.0 GHz: 1.2 4.0 – 8.5 GHz: 1.3	50 watts average	111.76 mm (4.37 inch)	0.28 kg/10 oz
N9311X-562	40 dB	N (m) to N (f)	DC – 4.0 GHz: 1.2 4.0 – 8.5 GHz: 1.3	100 watts average	112.01 mm (4.41 inch)	1.5 kg/3.3 lb

# Calibrator

Calibrator	Type	Frequency range	Directivity	Impedance	Connector	Other
N9311x-201	Mechanical calibrator	DC to 7 GHz	42 dB	50 Ω	N(m)	3-in-1 OSL

# Close Field Probe Set

N9311X-100	30 MHz to 3 GHz	30 MHz to 3 GHz	30 MHz to 2 GHz	30 MHz to 3 GHz
	 	 	 	 

# Preamplifier



N9311X-110

Frequency range	Gain	Noise figure	Maximum input power	Operating voltage	Connector
100 kHz to 3 GHz	30 dB	4.5 dB	+13 dBm	7.5 to 18 V	BNC(f)-BNC(m), 50 Ω



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## Agilent low-cost Handheld and Bench Instruments

N934xC/N9340B Handheld Spectrum Analyzer(HSA)	<a href="http://www.agilent.com/find/hsa">www.agilent.com/find/hsa</a>
N9330B Handheld Cable and Antenna Tester	<a href="http://www.agilent.com/find/n9330b">www.agilent.com/find/n9330b</a>
N9000A CXA Signal Analyzer	<a href="http://www.agilent.com/find/cxa">www.agilent.com/find/cxa</a>
N9310A RF Signal Generator	<a href="http://www.agilent.com/find/n9310a">www.agilent.com/find/n9310a</a>
N9320B RF Spectrum Analyzer	<a href="http://www.agilent.com/find/n9320b">www.agilent.com/find/n9320b</a>

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