

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

## Data Sheet

N9311X RF and Microwave Accessory Kit complements Agilent's low-cost handheld and benchtop solutions (N9330B/N9340B/N9310A/N9320B/N1996A/CXA N9000A). These accessories provide you with a complete solution for your measurement needs.

### Antenna






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	Omni-directional
<b>N9311x-504</b>	700 MHz-4 GHz	4 dBi	270 g	340 x 200x25 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




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

# Adapter

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

	<b>N9311X-580</b> 1.5 m, Type-N(m) to type-N(m), DC to 18 GHz	<b>N9311X-581</b> 3.0 m, Type-N(m) to type-N(m), DC to 18 GHz	<b>N9311X-582</b> 1.5 m, Type-SMA(m) to type-SMA(m), DC to 8 GHz	<b>N9311X-583</b> 1.5 m, Type-BNC(m) to type-BNC(m), DC to 1 GHz
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# Attenuator



Attenuator	Attenuation	Port	VSWR	Power rating	Length	Weight
<b>N9311X-560</b>	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
<b>N9311X-561</b>	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
<b>N9311X-562</b>	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

[www.agilent.com](http://www.agilent.com)  
[www.agilent.com/find/N9311X](http://www.agilent.com/find/N9311X)

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## Agilent low-cost handheld and bench instruments

- N9340B Handheld Spectrum Analyzer
- N9330B Handheld Cable and Antenna Tester
- CXA N9000A Signal Analyzer
- N9310A RF Signal Generator
- N9320B RF Spectrum Analyzer
- CSA N1996A Spectrum Analyzer

- [www.agilent.com/find/n9340b](http://www.agilent.com/find/n9340b)
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