

# Antennas<sup>1</sup>

## Agilent 11966A K24 Biconical Antenna

The rugged balun design of this antenna makes it especially suitable for susceptibility tests where high input powers are needed.

<b>Frequency Range</b>	20 MHz–300 MHz
<b>Max Contin Power</b>	2000
<b>VSWR (avg)</b>	1.9 : 1
<b>Impedance</b>	50 $\Omega$
<b>Connector Type</b>	N female
<b>Mounting Base</b>	1/4 inch x 20 female thread

	11966A K24	11966A K38
Frequency (MHz)	Antenna Factors (dB)	
20	11.5	—
30	13.0	13.5
40	14.7	15
50	12.2	12.7
60	10.1	10.4
70	8.9	8.9
80	8.0	8.5
90	8.9	8.8
100	9.6	9.6
110	11.3	11.3
120	12.8	12.6
130	14.5	14.1
140	15.9	16.0
150	16.5	16.6
160	16.0	16.5
170	15.3	15.6
180	14.5	14.8
190	14.5	14.5
200	13.8	14.1
210	14.0	14.1
220	14.5	14.4
230	15.8	15.8
240	16.8	17.0
250	18.3	18.9
260	19.9	20.3
270	21.4	22.0
280	22.6	23.1
290	20.9	21.0
300	24.6	22.7

## Agilent 11966A K38 Biconical Antenna

This versatile antenna is useful for both emissions and immunity measurements and can handle up to 300 watts of continuous power.

<b>Frequency Range</b>	30 MHz–300 MHz
<b>Max Contin Power</b>	300 W
<b>VSWR (avg)</b>	< 2.5 : 1
<b>Impedance</b>	50 $\Omega$
<b>Connector Type</b>	N female
<b>Mounting Base</b>	1/4 inch x 20 female thread

## Agilent 11955A Biconical Antenna

This economical antenna has typical antenna factors.

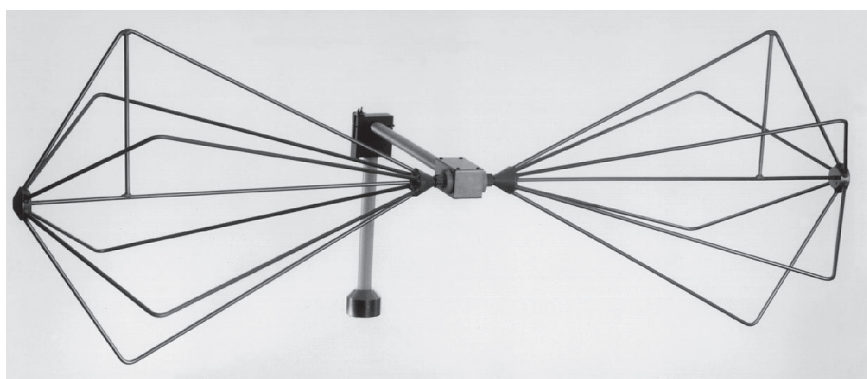
<b>Frequency Range</b>	30 MHz–300 MHz
<b>Max Contin Power</b>	0.5 W
<b>VSWR (avg)</b>	1.8 : 1
<b>Impedance</b>	50 $\Omega$
<b>Connector Type</b>	N female
<b>Mounting Base</b>	1/4 inch x 20 female thread

## Agilent 11966C Biconical Antenna

This state-of-the-art antenna uses ferrites in the balun and along the feed-line to eliminate common-mode currents. It employs a novel element-cage design that allows an extremely smooth response curve.

<b>Frequency Range</b>	30 MHz–300 MHz
<b>Max Contin Power</b>	0.5 W
<b>VSWR (avg)</b>	< 1.8 : 1 (with 6 db pads)
<b>Impedance</b>	50 $\Omega$
<b>Connector Type</b>	N female
<b>Mounting Base</b>	1/4 inch x 20 female thread

Frequency (MHz)	Typical Antenna Factor (dB)
30	19.0
40	17.9
50	13.2
60	9.0
70	6.6
80	7.6
90	9.2
100	10.5
110	12.0
120	14.0
130	16.3
140	18.4
150	19.4
160	19.0
170	18.3
180	17.6
190	17.0
200	16.7
210	17.0
220	17.4
230	18.2
240	19.1
250	20.4
260	22.4
270	24.5
280	25.5
290	25.0
300	24.9



1. All antennas sold by Agilent are individually calibrated. They include a calibration certificate showing actual performance data. The antenna factors shown in this catalog are intended to show typical performance only.