

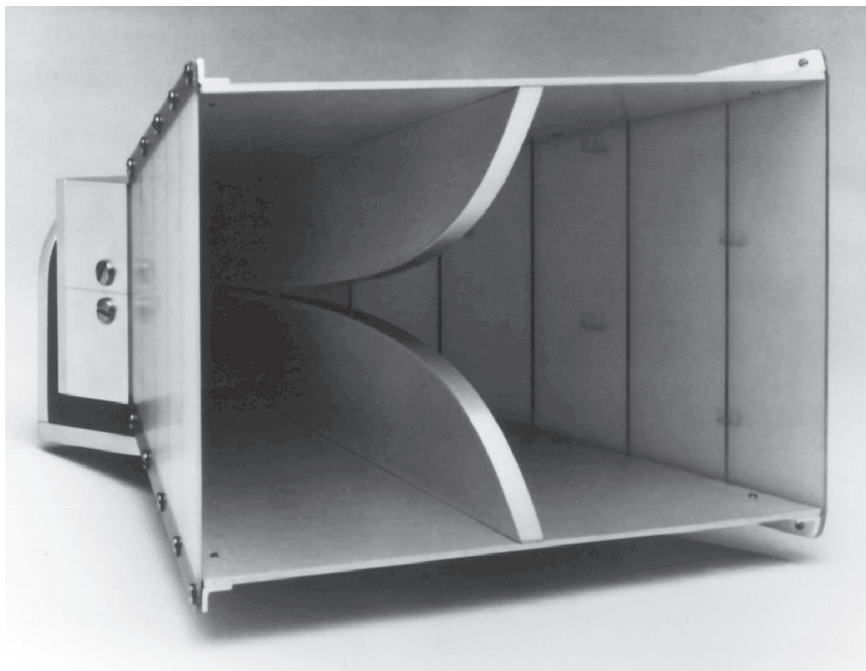
# Antennas<sup>1</sup>

## Agilent 11966E Double Ridged Waveguide Horn Antenna

This antenna covers a very broad frequency range and provides excellent gain and VSWR characteristics. It is suitable for receiving and transmitting signals and can handle up to 300 watts of power.

<b>Frequency Range</b>	1 GHz–18 GHz
<b>Maxi Contin Power</b>	300 W
<b>VSWR (avg)</b>	< 1.5 : 1
<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)
1000	24.4
1500	25.7
2000	28.4
2500	29.4
3000	31.0
3500	32.2
4000	33.8
4500	33.0
5000	34.7
5500	35.4
6000	35.4
6500	35.7
7000	36.5
7500	37.8
8000	38.0
8500	38.1
9000	38.4
9500	38.4
10000	38.5
10500	38.6
11000	39.0
11500	39.3
12000	39.4
12500	39.0
13000	39.9
13500	41.3
14000	41.4
14500	41.3
15000	39.9
15500	37.5
16000	38.2
16500	39.8
17000	41.7
17500	44.6
18000	46.9



## Agilent 11966I Horn Antenna

This horn covers the RF range and is very useful as a receiving antenna for MIL-STD emissions tests. Its high power handling capability also makes it an excellent transmitting antenna for susceptibility/immunity tests.

<b>Frequency Range</b>	200 MHz–2 GHz
<b>Max Contin Power</b>	800 W
<b>VSWR (avg)</b>	1.6 : 1
<b>Impedance</b>	50 $\Omega$
<b>Connector Type</b>	N female
<b>Mounting Base</b>	1/4 inch x 20 female thread

Frequency (GHz)	Antenna Factor (dB)
0.2	11
0.4	14
0.6	18
0.8	19
1.0	22
1.2	23
1.4	25
1.6	26
1.8	25
2.0	32

## HP 11966J Horn Antenna

The double-ridged design of this horn enables it to cover two waveguide bands with a single antenna.

<b>Frequency Range</b>	18 GHz–40 GHz
<b>Max Contin Power</b>	50 W
<b>VSWR (avg)</b>	1.6 : 1
<b>Impedance</b>	50 $\Omega$
<b>Connector Type</b>	K female
<b>Mounting Base</b>	1/4 inch x 20 female thread

Frequency (GHz)	Antenna Factor (dB)
18	45
20	44
25	46
30	47
35	50
40	46

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.