

Antennas¹

Agilent 11966F Conical Log Spiral Antenna

The 11966F was designed specifically for MIL-STD 461A/B/C radiated measurements. Because it is circularly polarized, it can receive fields in any polarity. This eliminates the need to duplicate the measurement in both horizontal and vertical orientation to find maximum emissions.

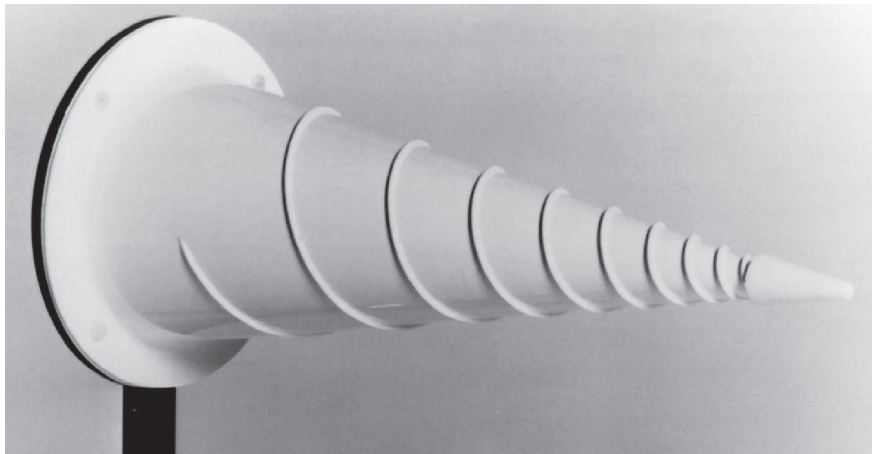


Frequency Range	200 MHz–1 GHz
Max Contin Power	100 W
VSWR (avg)	< 2.5 : 1
Impedance	50 Ω
Connector Type	N female
Mounting Base	1/4 inch x 20 female thread

Frequency (MHz)	Typical Antenna Factor (dB)
200	17.0
225	14.8
250	14.3
275	14.9
300	16.8
325	17.5
350	18.7
375	17.5
400	17.1
425	17.4
450	18.4
475	19.8
500	20.5
525	19.2
550	19.5
575	19.7
600	20.7
625	21.5
650	22.0
675	21.6
700	21.6
725	22.1
750	22.7
775	22.8
800	22.6
825	22.6
850	23.2
875	24.0
900	24.4
925	24.3
950	23.9
975	24.4
1000	25.1

Agilent 11966G Conical Log Spiral Antenna

This antenna is similar to the 11966F, but it is designed to operate in the 1 to 10 GHz region. It is ideally suited for MIL-STD 461A/B/C microwave radiated measurements.



Frequency Range	1 GHz–10 GHz
Max Contin Power	50 W
VSWR (avg)	< 2 : 1
Impedance	50 Ω
Connector Type	N female

Frequency (MHz)	Typical Antenna Factor (dB)
1000	27.1
2000	33.3
3000	36.1
4000	40.4
5000	42.3
6000	43.3
7000	45.1
8000	46.1
9000	47.9
10000	49.9

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.