

Antennas¹

Agilent 11956A Log Periodic Antenna

This economical antenna has typical antenna factors.

Frequency Range	200 MHz–1 GHz
VSWR (avg)	< 2 : 1
Impedance	50 Ω
Connector Type	Type-N
Mounting Base	1/4 inch x 20 female thread

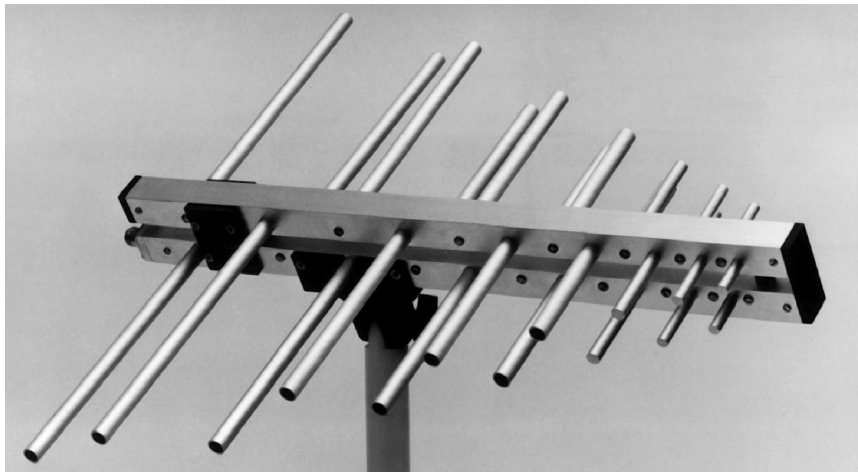
Frequency (MHz)	Typical Antenna Factor (dB)
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200	17.0
225	14.8
250	14.3
275	14.9
300	16.8
325	17.5
350	18.7
375	17.5
400	17.1
425	17.4
450	18.4
475	19.8
500	20.5
525	19.2
550	19.5
575	19.7
600	20.7
625	21.5
650	22.0
675	21.6
700	21.6
725	22.1
750	22.7
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 11966D Log Periodic Antenna

The 11966D is a broadband, relatively high-gain antenna that is suitable for both commercial and military EMC measurements.

Frequency Range	200 MHz–1 GHz
Max Contin Power	1000 W
VSWR (avg)	< 2 : 1
Impedance	50 Ω
Connector Type	N female
Mounting Base	1/4 inch x 20 female thread



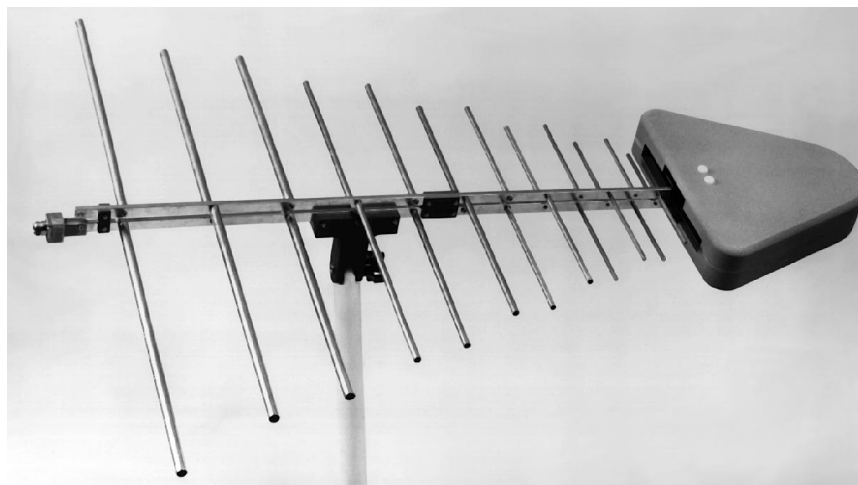
Agilent 11966N Log Periodic Antenna

This antenna has similar performance characteristics to the 11966D, but has an extended frequency range to 5 GHz. This is useful for some of the new commercial test requirements, such as FCC part 15 limits for high-speed unintentional radiators, which now extend beyond 1 GHz.

Frequency Range	200 MHz–5 GHz
Max Contin Power	80 W
VSWR (avg)	2 : 1
Impedance	50 Ω
Connector Type	N female
Mounting Base	1/4 inch x 20 female thread

Frequency (GHz)	Antenna Factor (dB)
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0.2	10
0.5	17
1.0	23
1.5	27
2.0	29
2.5	32
3.0	34
3.5	37
4.0	38
4.5	41
5.0	42



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.