Antennas¹

Agilent 11966K Magnetic Field Pickup Coil

This antenna is designed specifically for MIL-STD 462 RE-01 and RE-101 measurements. The loop is constructed of aluminum and has 36 turns of 7 x 41 Litz wire for lower inductance.

Frequency (kHz)	Typical Antenna Factor (dB)
0.02	84
0.04	78
0.06	74
0.08	72
0.1	70
0.2	64
0.4	58
0.6	54
0.8	52
1.0	50
2.0	44
4.0	38
6.0	34
8.0	32
10.0	30
20.0	25
40.0	24
50.0	23

Agilent 11967A K06 Cavity Rejection Networks

The 11967A K06 cavity rejection networks have a continuously tunable frequency range from 1 GHz to 10 GHz in four bands. They also offer low insertion loss with very sharp resonances.

Agilent 11967A K23 Bridged-T Rejection Networks

The 11967A K23 bridged-T rejection networks are designed for radio frequency interference testing according to various military specifications. The three networks are passive and continuously tunable over the 10 kHz to 1 GHz frequency range.

 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.

Frequency Range	20 Hz–50 kHz
Loop Diameter	133 mm (5.25 inches)
Connector Type	BNC female

Frequency Range Rejection	1 GHz–10 GHz 80 dB minimum at tuned frequency
Insertion Loss Bandwidth	5 dB or less (avg) 0.2 % of tuned frequency at 20 dB point and 0.4 % at 10 dB point
Connector Type	N female

Frequency Range	Network 1:10 kHz–100 MHz Network 2:100 MHz–400 MHz Network 3:400 MHz–1 GHz
Maximum Power	2 kW
Connector Type	N female