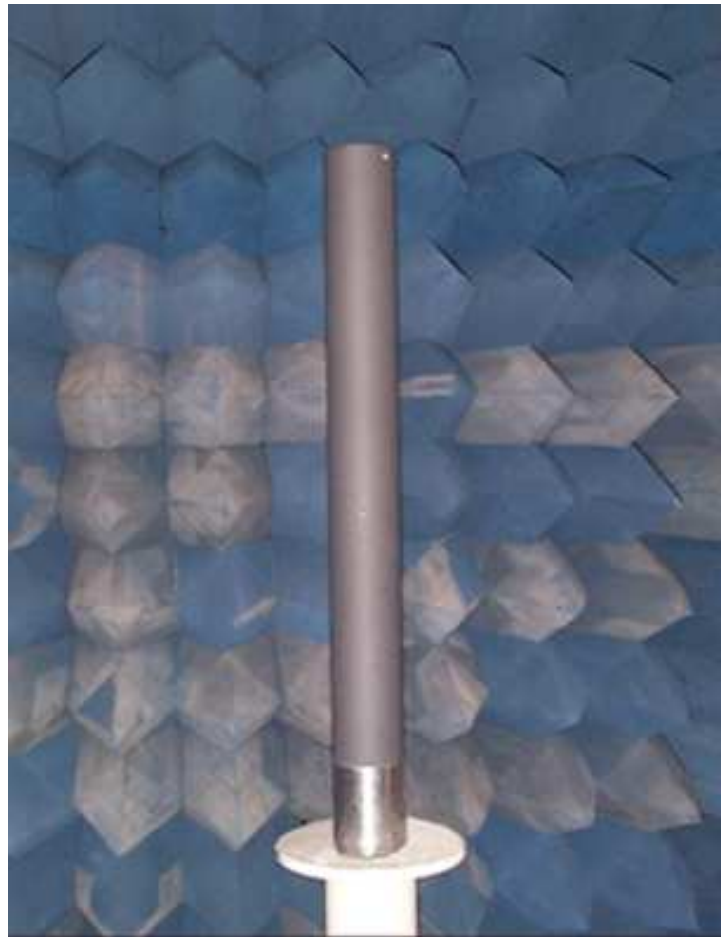


SPO 9

1850 - 1990 MHz omni directional antenna

Features

- ❑ Small size
- ❑ Suitable for TDMA/CDMA/GSM/3G
- ❑ High return loss
- ❑ Low intermodulation
- ❑ Upper side-lobe suppression
- ❑ Rugged design
- ❑ Outstanding performance over the entire band (1850 - 1990 MHz)



Electrical specifications

Frequency range:	1850-1990 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	18 dB
Polarization:	Vertical
Gain:	9 dBd
Upper side-lobe suppression:	18 dB
Intermodulation (2x20W):	IM5 160 dB IM7/9 170 dB
Power rating:	300 W
H-plane (-3 dB point):	360°
V-plane (-3 dB point):	7 - 9°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	50 in	[1270 mm]
Width::	6.1 in	[155 mm]
Weight (excluding brackets):	6 lbs	[4.54 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	2.12 sq. ft.	[0.2 sq.m]
Lateral thrust At 113 mph/ 180Km/h (worst case):	108 lbs	[482 N]

Materials

Radiating Elements:	Ceramic PCB
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	Grey PVC

The SPO 9 is made in the U.S.A.