

SCP 9012 T4 / 8515

Dual band log-periodic antenna

Features

- ❑ Small size
- ❑ Improved Side-to-side rejection
- ❑ Suitable for TDMA/CDMA/GSM/3G
- ❑ High return loss
- ❑ Low intermodulation
- ❑ High front-to-back ratio
- ❑ Dramatically improved signal to interference performance
- ❑ Upper side-lobe suppression
- ❑ Rugged design
- ❑ Outstanding performance over both bands (800 - 900 & 1850 - 1990 MHz)



Electrical specifications

Frequency range:	800 - 900 / 1850 - 1990 MHz	
Impedance:	50 ohm	
Connector type:	7/16 Din	
Return loss:	20 dB	
Polarization:	2x Vertical	
Isolation between antennas:	30 dB	
	<u>800 - 900 MHz</u>	<u>1850 - 1990 MHz</u>
Gain:	12 dBd	15 dBd
Front-to-back ratio:	> 30 dB	> 30 dB
Power rating:	500 W	300 W
H-plane (-3 dB point):	83 - 84°	82 - 86°
V-plane (-3 dB point):	17 - 19°	8 - 9°
Electrical tilt:	4°	0°
Intermodulation (2x20W):	IM5 160 dB	
	IM7/9 170 dB	

Lightning protection: **DC grounded**

Mechanical specifications

Overall height:	43 in	[1092 mm]
Width:	8.5 in	[216 mm]
Depth:	8 in	[203 mm]
Weight (excluding brackets):	15 lbs	[6.8 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	2.54 sq. ft.	[0.24 sq.m]
Lateral thrust At 113 mph/ 180Km/h (worst case):	130 lbs	[577 N]

Materials

Radiating Elements:	Silver plated brass/Aluminum
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	Grey Fiberglass/PVC
Mounting bolts:	Stainless steel

The SCP 9012 T4/ 8515 is made in the U.S.A.