

SCP 9014 / 2x8515

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 reduced softer-hand off area
- ❑ 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:	3x Vertical	
Isolation between antennas:	30 dB	
Gain:	800 - 900 MHz	1850 - 1990 MHz
	14 dBd	2x 15 dBd
Front-to-back ratio:	> 30 dB	> 30 dB
Power rating:	500 W	2x 300 W
H-plane (-3 dB point):	85 - 92°	2x 82-86°
V-plane (-3 dB point):	9 - 10°	8 - 9°
Upper side-lobe suppression:	18 dB	18 dB
Intermodulation (2x20W):	IM5 160 dB	
	IM7/9 170 dB	
Lightning protection:	DC grounded	

Mechanical specifications

Overall height:	86 in	[2188 mm]
Width:	8.5 in	[184 mm]
Depth:	8 in	[203 mm]
Weight (excluding brackets):	25 lbs	[9.1 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	5.1 sq. ft.	[0.47 sq.m]
Lateral thrust At 113 mph/ 180Km/h (worst case):	259 lbs	[1154 N]

Materials

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

The SCP 9014 / 2x8515 is made in the U.S.A.