

SACP 2x5510

1710 -2180 MHz Dual (2x) CP log-periodic antenna

Features

- ❑ Transmit Diversity Gain
- ❑ Can be configured to combine space & polarization diversity
- ❑ Outstanding performance over the entire band (1710 - 2180 MHz)
- ❑ Excellent Axial Ratio
- ❑ Optimized for 4G & 3G systems
- ❑ Low intermodulation
- ❑ Improved Side-to-side rejection
- ❑ Fading reduction
- ❑ Excellent isolation between ports



Electrical specifications

| | |
|------------------------------------|---|
| Frequency range: | 1710-2170 MHz |
| Impedance: | 50 ohm |
| Connector type: | 7/16 Din |
| Return loss: | 18 dB |
| Polarization: | Circular |
| Gain ea. port [Circular]: | 2x10 dBdC |
| Gain ea. port [Linear]: | 2x7 dBdL |
| Axial Ratio: | 2 dB |
| Isolation between ports (TX band): | 28 dB |
| Front-to-back ratio: | 30 dB |
| Intermodulation (2x20W): | IM3 153 dB IM5 160 dB IM7/9 170 dB |
| Power rating: | 2x 150 W |
| H-plane (-3 dB point): | 2x 55° |
| V-plane (-3 dB point): | 2x 35° |
| Lightning protection: | DC grounded |

Mechanical specifications

| | | |
|--|---------------------|---------------------|
| Overall height: | 8.5 in | [216 mm] |
| Width: | 6.5 in | [165 mm] |
| Depth: | 6.5 in | [165 mm] |
| Weight (excluding brackets): | 6 lbs | [2.7 Kg] |
| Wind load measured up to: | 150 mph | [240 Km/h] |
| Wind area (front of antenna): | 0.38 sq. ft. | [0.036 sq.m] |
| Lateral thrust at 113 mph/ 180 Km/h (worst case): | 20 lbs | [87 N] |

Materials

| | |
|----------------------------------|----------------------------|
| Radiating Elements: | Silver plated brass |
| Transformer (Power distribution) | Ceramic PCB |
| Chassis: | Aluminum |
| Radome: | PVC / TPA |
| Mounting: | |

The SACP 2x5510 is made in the U.S.A.