

Dualband Vertical Polarized Antenna

Applications

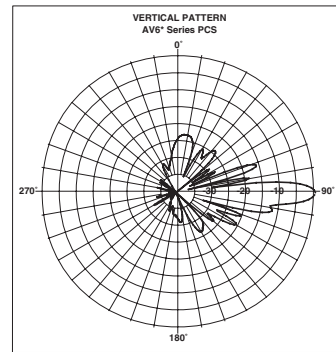
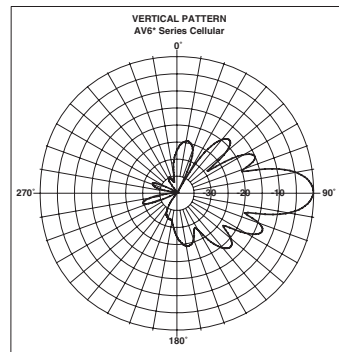
The Combi panel antennas are ideal for co-location applications where a cellular operator needs to co-locate with either a PCS or DCS operator. One version operates over the 824-960 MHz cellular band and the 1850-1990 MHz PCS band. The other version operates over the 824-960 MHz cellular band and the 1710-1880 DCS band. These antennas have been used all over the world for applications that require a 60° beamwidth in co-location situations. These antennas use our most rugged construction, CELLite, and are manufactured with premium quality materials. With the use of a cross-band coupler and the number of cables running up the tower can be reduced as well.

Features & Benefits

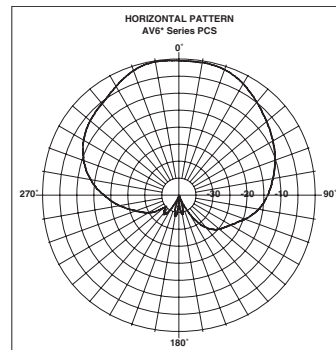
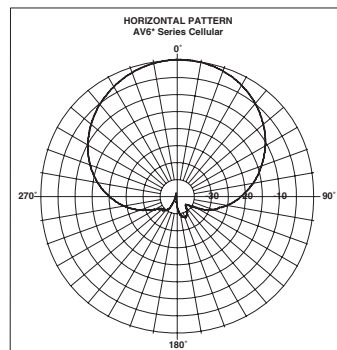
- Dual-Band operation is ideal for co-location sites where antenna count needs to be kept to a minimum.
- Elimination of internal cables or solder joints reduces potential for intermodulation problems.
- UV stabilized radome protects radiating structure year after year.
- Surface treated components prevent galvanic corrosion.



AV6B13C0 Series



Vertical Pattern



Horizontal Pattern

Dualband Vertical Polarized Antenna

AV6B13C0-15P0-2

Horizontal Beamwidth, deg 65

Gain, dBi 15.1, 17.2

Electrical Downtilt, deg 0

ELECTRICAL SPECIFICATIONS

Frequency Range, MHz	806-894	1850-1990
Horizontal Beamwidth, deg	65	
Vertical Beamwidth, deg	15.5	7
Gain, dBi (dBd)	15.1(13)	17.2(15)
Front-To-Back Ratio, dB	35	
VSWR	< 1.4:1	
Isolation between Ports, dB	30	
Maximum Power Input, W	500	
Polarization	Vertical	
3rd Order IMP @ 16 x 41 dBm, dBm	< -100	

MECHANICAL SPECIFICATIONS

Dimensions - HxWxD, mm (in)	1219 x 356 x 127 (48 x 14 x 5)
Survival Wind Speed, km/h (mph)	200 (125)
Max Wind Loading Area, m ² (ft ²)	0.434 (4.67)
Rated Wind Speed, km/h (mph)	160 (100)
Front Thrust @ Rated Wind, N (lbf)	934 (210)
Reflector Material	5032-H32 Aluminum
Radiating Element Material	Aluminum Alloy
Radome Material	UV Stabilized High Impact ABS
Weight w/o Mtg Hardware, kg (lb)	9 (20)