

Dual Polarization Directional Antenna for 4900 - 6100 MHz

Preliminary 0.1

PRX09-200250

Electrical Specification

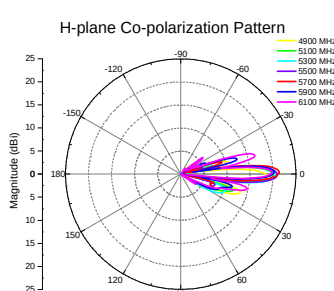
Frequency range	4900 - 5150 MHz	5150 - 5875 MHz	5875 - 6100 MHz
Gain	19 - 20 dBi	20.5 - 21.5 dBi	19 - 20 dBi
VSWR	2.0 : 1 (max.)	2.0 : 1 (max.)	2.0 : 1 (max.)
Polarization	Linear, $\pm 45^\circ$		
Horizontal HPBW	9.4° - 10.0°	8.2° - 10.0°	7.4° - 9.0°
Vertical HPBW	8.3° - 9.7°	8.1° - 9.3°	8.0° - 9.2°
Sidelobes level	-9 dB (max.)	-7 dB (max.)	-4 dB (max.)
Front-to-back ratio	-30 dB (max.)	-30 dB (max.)	-30 dB (max.)
Isolation	16 dB (min.)		
Input impedance	50 Ohm		
Cable	Phi1.37, 320 mm x 2		
Connector	HRS U.FL x 2		
Power handling	2 W (cw)		
Lightning protection	DC Ground		



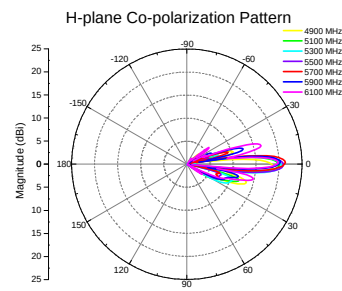
Environmental & Mechanical Characteristics

Survival wind speed	216 km/hr
Temperature	-40°C to +80°C
Humidity	95% @ 55°C
Radome color	White
Radome material	ABS, UV Resistant
Weight	TBD g
Dimensions	360 x 360 x 30 mm
Waterproof	IP-X7
Mount kit	N/A

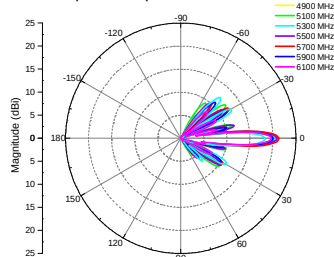
Pattern +45



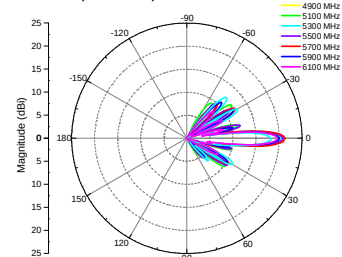
Pattern -45



V-plane Co-polarization Pattern



V-plane Co-polarization Pattern



Product Drawing

