

# Dual Polarization Beam-forming Antenna for 2400 – 2500 MHz

Version 1.0

## SAA11-050390

### Electrical Specification

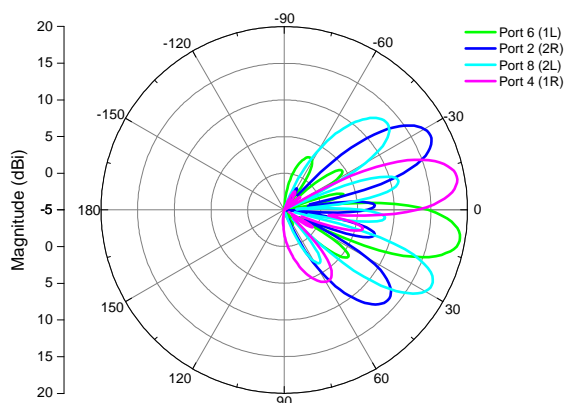
Frequency range	2400 - 2500 MHz	
Beam scanning angle	$\pm 10^\circ$	$\pm 30^\circ$
Gain	18 -19.5 dBi	16 - 18 dBi
VSWR	2.0: 1 Max.	
Polarization	Dual Linear, $\pm 45^\circ$	
HPBW/horizontal	$16^\circ \pm 2^\circ$	
HPBW/vertical	$12^\circ \pm 2^\circ$	
Standard compliance	N/A	
Front-to-back ratio	25 dB	
Isolation between ports	20 dB	
Power handling	10 W (cw)	
Impedance	50 Ohm	
Cable	N/A	
Connector	SMA jack x 8	
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	Warm gray 1C
Radome material	PC, UV resistant
Weight	5.2 kg
Dimensions	474x442x39 cm
Mount kit	Pole Mount



+ 45 ° Polarization  
H-plane Co-polarization Pattern



- 45 ° Polarization  
H-plane Co-polarization Pattern

