

# Omni Directional Antenna for 2400 - 2500 MHz & 5150-5875 MHz

Version 0.1

## SAA09-220140

### Electrical Specification

Frequency range	2400 - 2500 MHz	5150 - 5875 MHz
Peak gain	2.5 dBi	8.0 dBi
Average gain	1.0 dBi	2.5 dBi
VSWR	2.0 : 1 (max.)	
Polarization	Linear, Vertical	
Horizontal HPBW	360°	
Vertical HPBW	60° ± 5°	55° ± 10°
Electric tilt	-30°	
Input impedance	50 Ohm	
Cable	N/A	
Connector	SMA jack x 3	
Power handling	10 W (cw)	10 W ( cw )
Lightning protection	N/A	

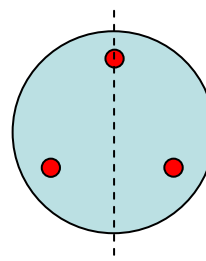


### Environmental & Mechanical Characteristics

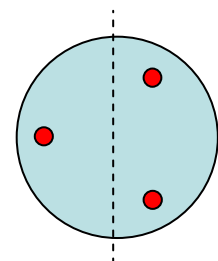
Survival wind speed	N/A
Temperature	-10°C to +55°C
Humidity	95% @ 55°C
Radome color	White
Radome material	ABS, UV resistant
Weight	112 g
Dimensions	ø133 x 57 mm
Waterproof	N/A
Mounting kit	Ceiling mount

### Back View of Antenna

V-plane Cut-1



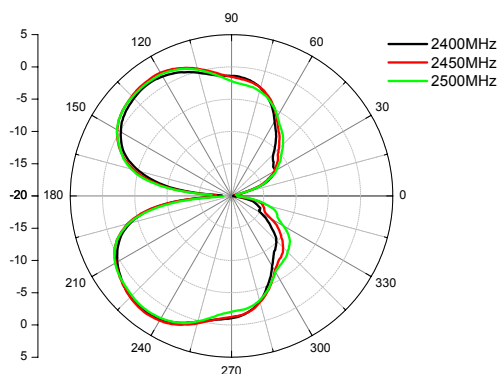
V-plane Cut-2



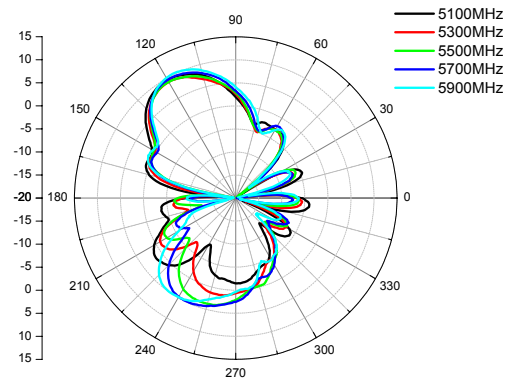
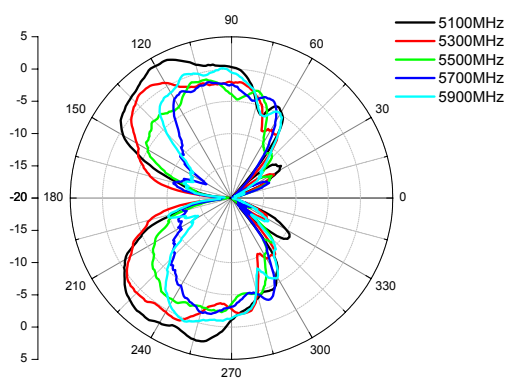
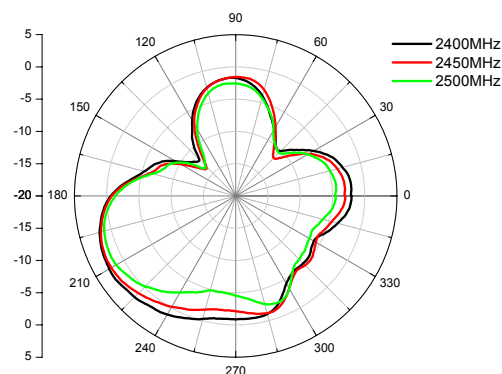


# Radiation Pattern

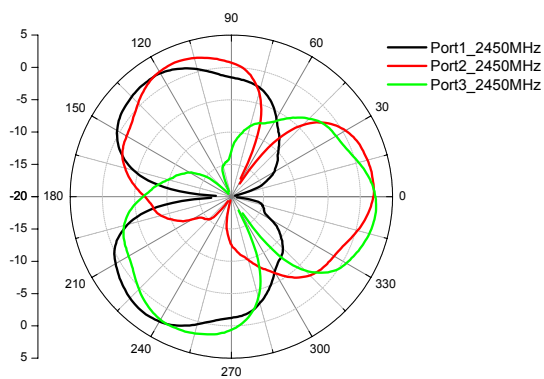
### V-plane Cut-1



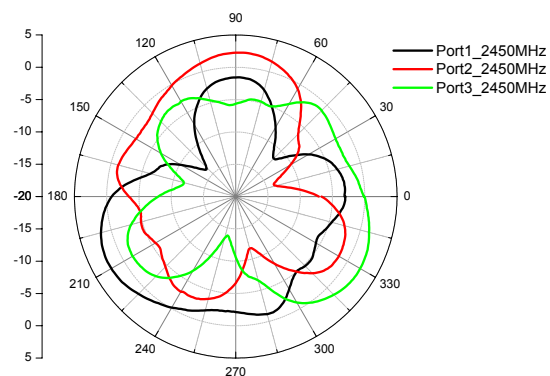
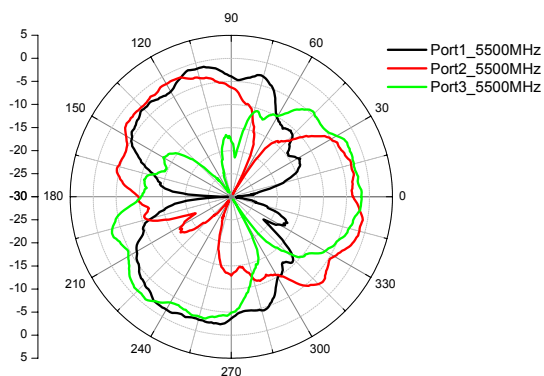
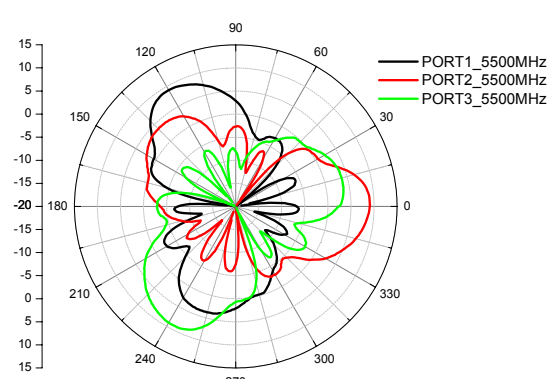
### V-plane Cut-2



### Three Ports in V-plane Cut-1



### Three Ports in V-plane Cut-2





## Product Drawing

