

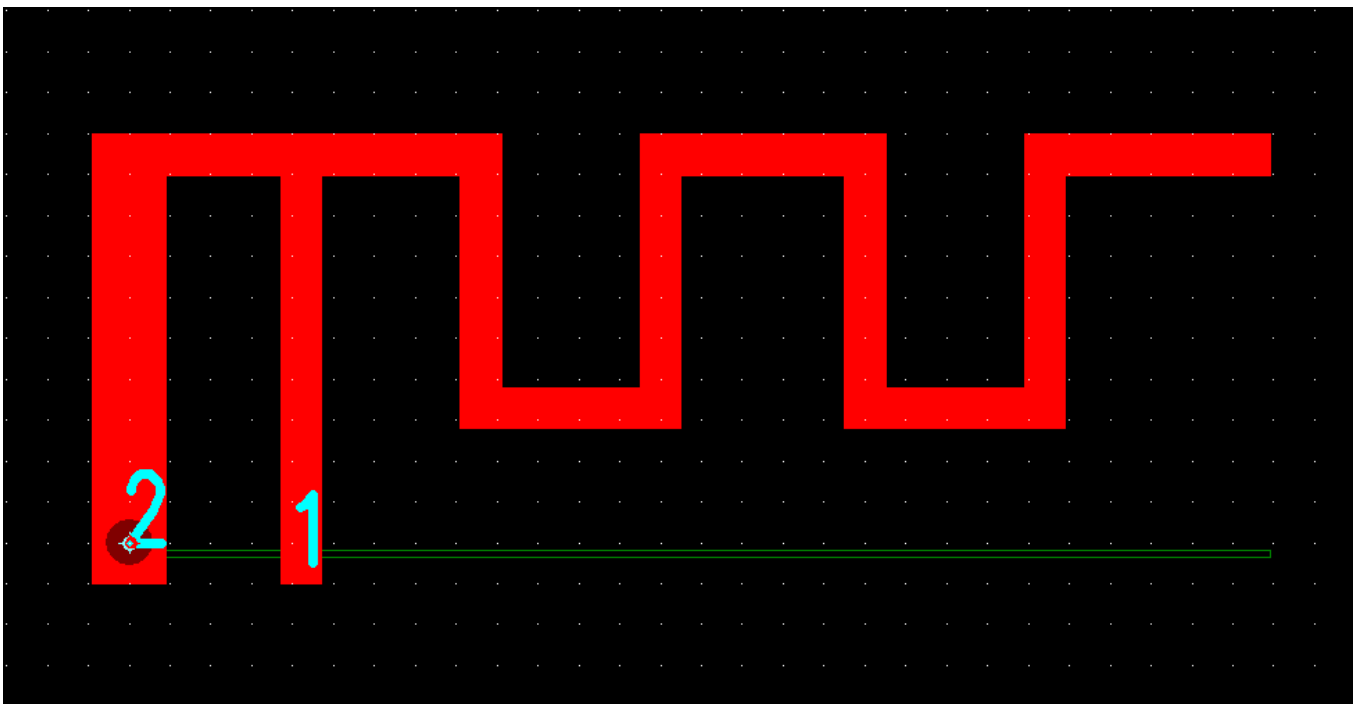
# RSR AC6901 Antenna Specification

## Quick Reference Date

	Antenna on the system board	
Frequency Range	2400 ~ 2500MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class2 output power)	
Efficiency (%)	42.7	
Efficiency (dB)	-3.7	
Gain (dBi)	1.1(Peak. Gain 2.45MHz)	
Gain (dBd)	-1.0(Peak. Gain 2.45MHz)	
Input Impedence (ohm)	50	
Polarization Type	Vertical & Horizontal	
V.S.W.R	< 2.1	

All the technical data and information contained herein are subject to change without prior notice

## Antenna Layout on the system board



**Antenna Gain**

Gain Table

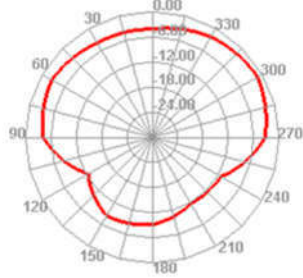
Unit in dBi		Board.Peak	Efficiency
2.40GHz	XY-Plane	-0.22	34.96%
	XZ-Plane	-1.23	
	YZ-Plane	-0.83	
2.45GHz	XY-Plane	-1.05	44.74%
	XZ-Plane	1.14	
	YZ-Plane	-0.72	
2.50GHz	XY-Plane	-1.05	48.41%
	XZ-Plane	1.37	
	YZ-Plane	-1.63	

XY-plane

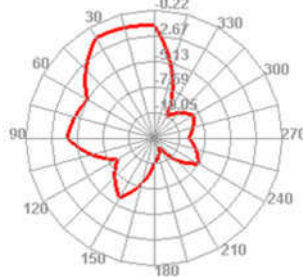
XZ-plane

YZ-plane

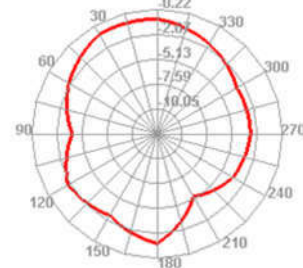
2400.000MHz H



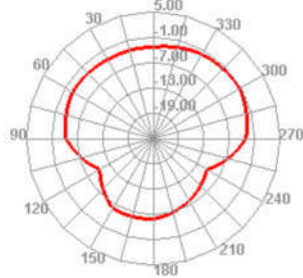
2400.000MHz E1



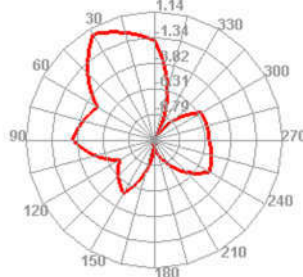
2400.000MHz E2



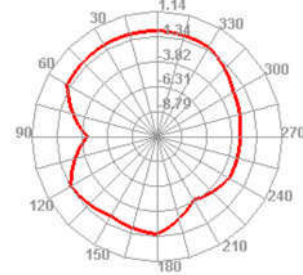
2450.000MHz H



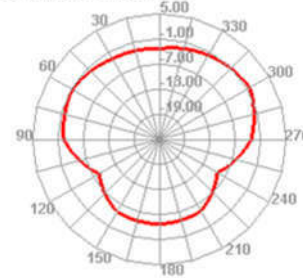
2450.000MHz E1



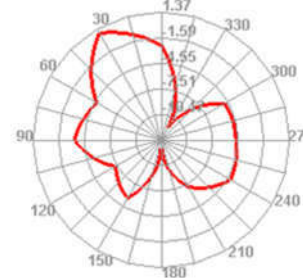
2450.000MHz E2



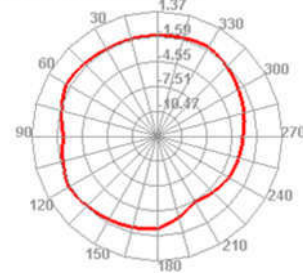
2500.000MHz H



2500.000MHz E1



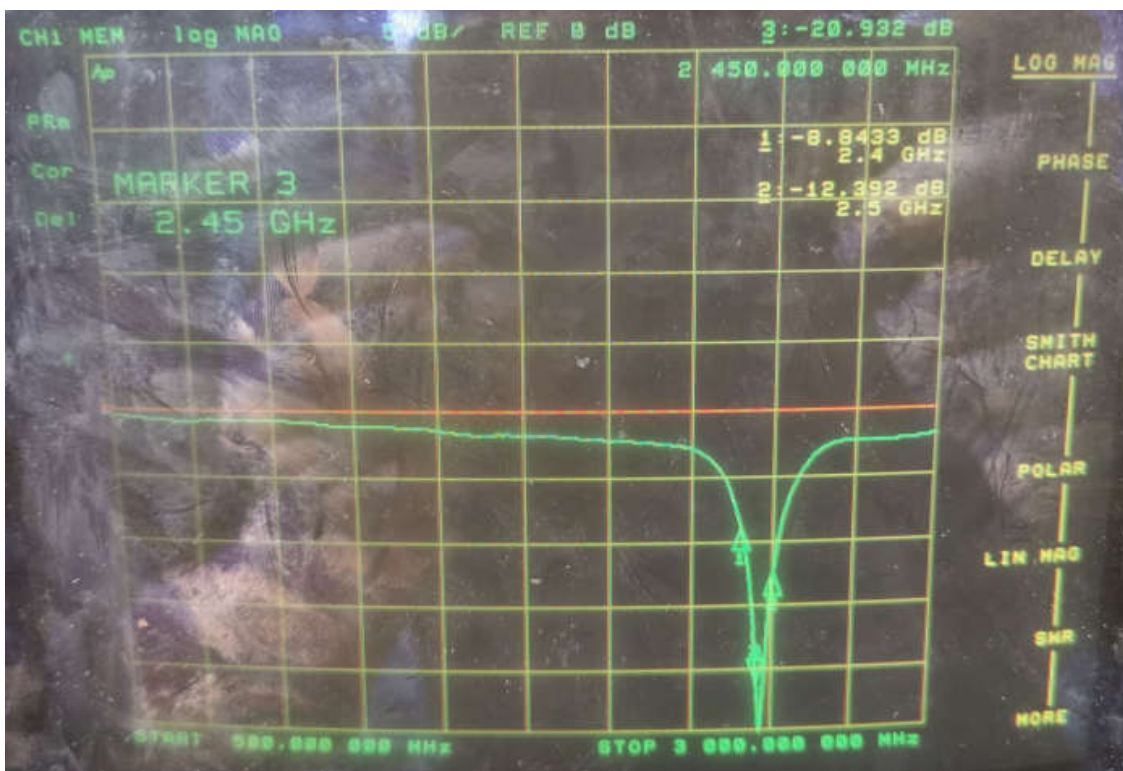
2500.000MHz E2



Smith



Return Loss



### The Environment of Antenna Radiation Pattern

