

Product specification

Customer name	Dongguan Aike Precision Technology Co., Ltd Room 602, Building 19, Changping Jewelry Culture Industry Center, 568 Huanchang North Road, Changping Town, Dongguan City, Guangdong Province
Product name	312MHz PCB Antenna
Product item	FCC
Sample delivery date	2025-10-22

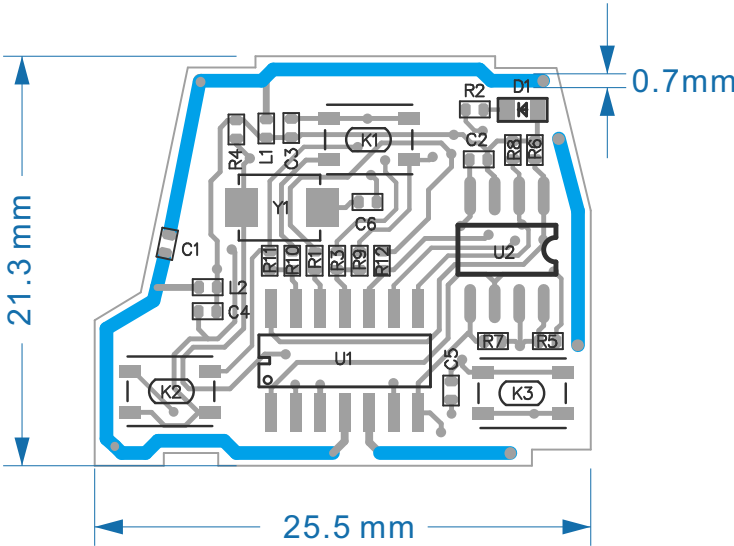
Manufacturer Rexense

Antenna model Rex PCB_T50-V2.0

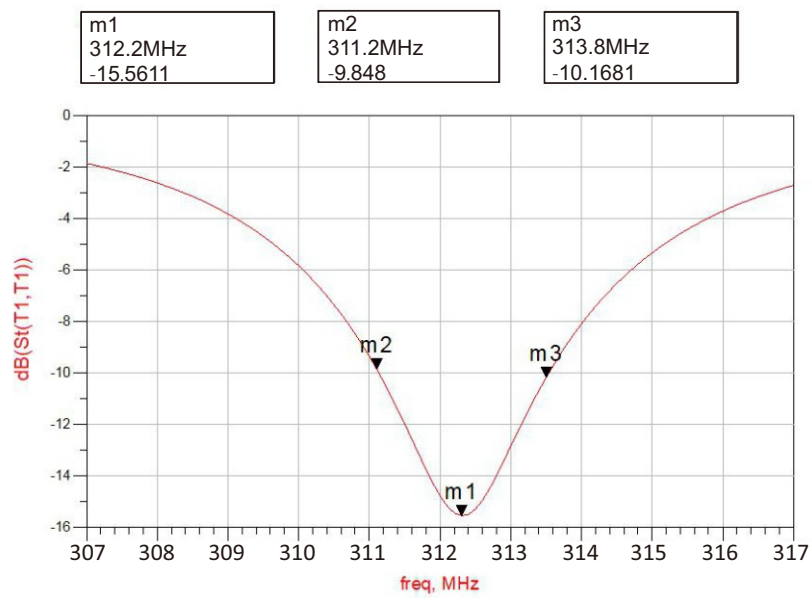
1. Technical indicators of products

Frequency Range(MHz)	312.2
Band Width(MHz)	5
Impedance(Ω)	50
Return Loss (dB)	-15.6
Gain(dBi) MAX	1.5dBi
Polarization	Linear Vertical
Antenna Material	PCB
Operating Temp (°C)	-30~70
Storage Temp (°C)	-40~85

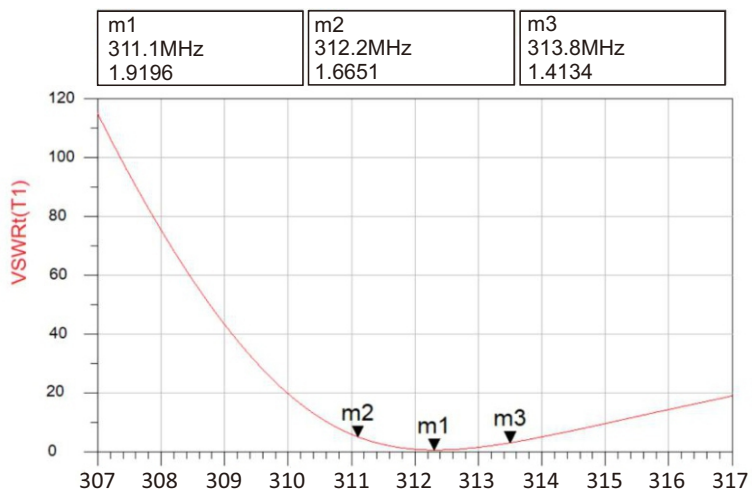
2. Product picture



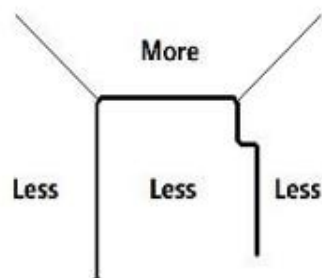
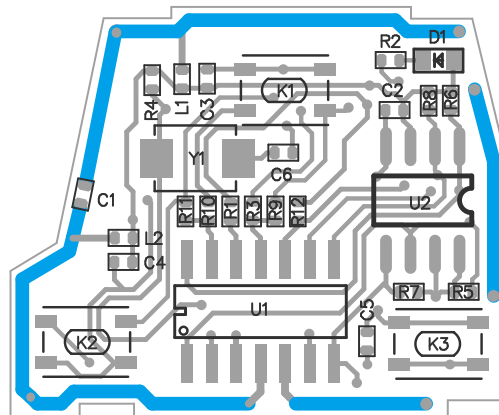
3. Return Loss



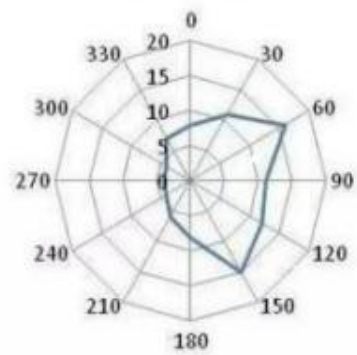
4. VSWR



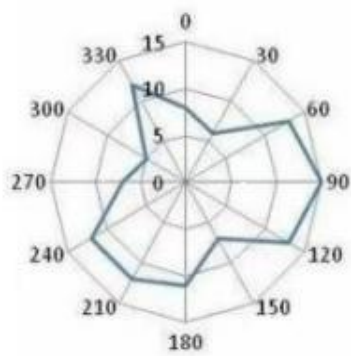
5. Three-dimensional coordinates



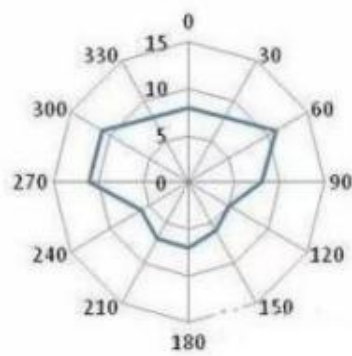
About Z axis



About X axis



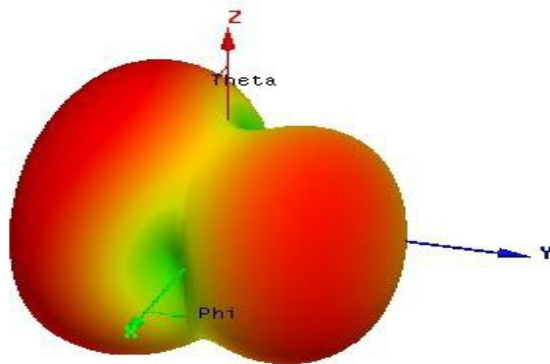
About Y axis



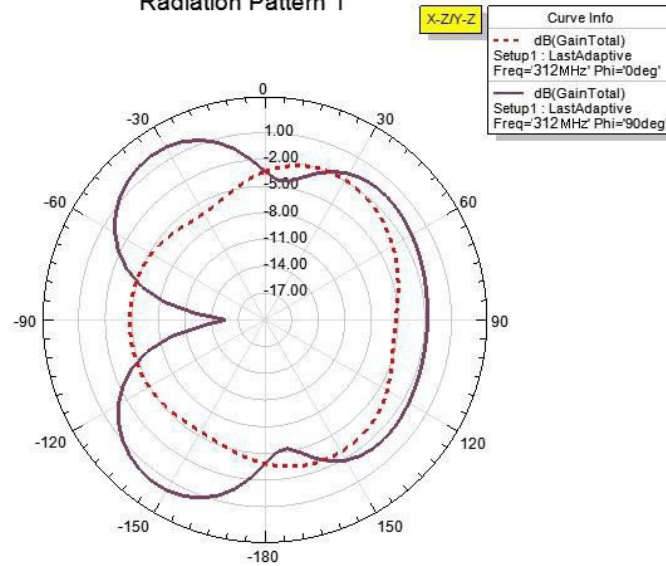
ANT db:

309MHz 0dbi
 310MHz 0dbi
 311MHz 1dbi
 312MHz 1.5dbi
 313MHz 1dbi
 314MHz 0dbi
 315MHz 0dbi

6. 3D gain pattern



Radiation Pattern 1



Radiation Pattern 2

