

2.4GHZ PCB ANT Report for RX

Antenna type :PCB Antenna

model: HLK_AT1

Trademark: none

Frequency band: 2400-2484MHz

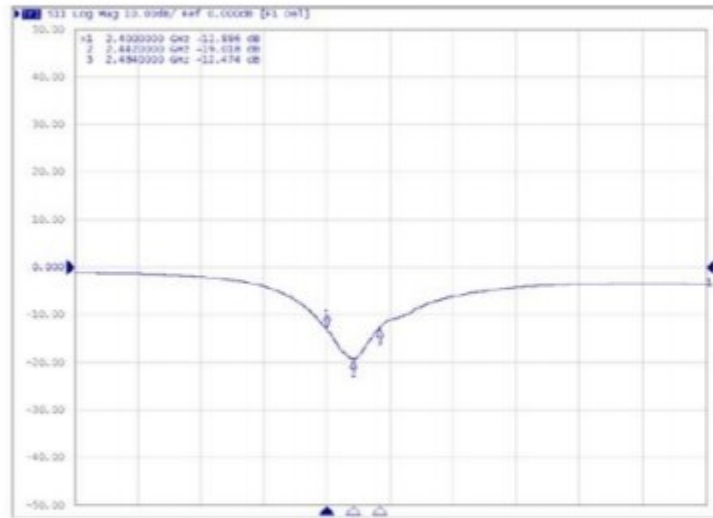
Manufacturer: Haiqi Electronics

PCB ANT Tested Products.

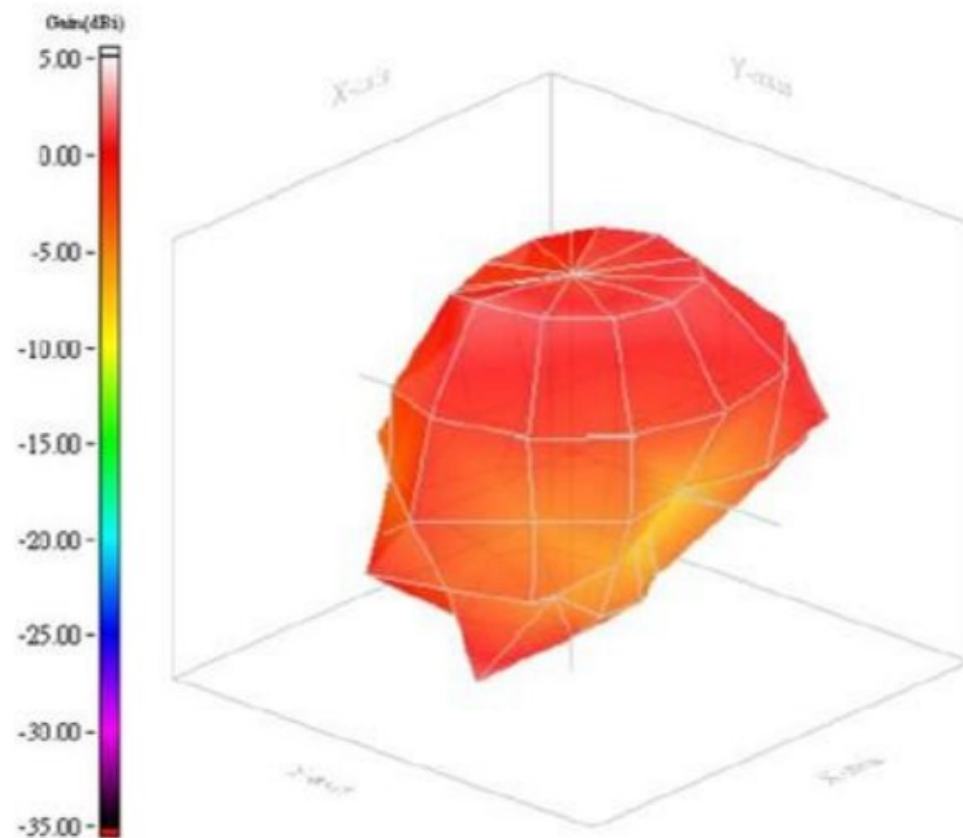
Working Frequency Range	2400 ~ 2484 MHz
Peak Gain	1.5 dBi
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature	-40 ~ 125 °C

Return Loss & Radiation

Return Loss



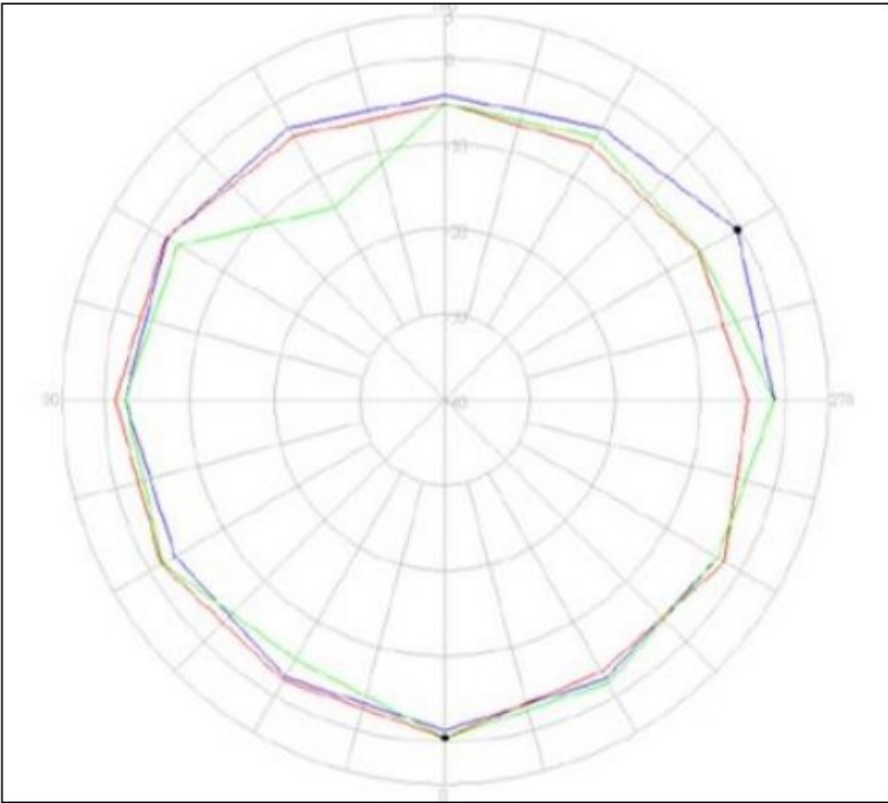
Frequency (MHz)	Return Loss (dB)
2400	12.9
2442	19.0
2484	12.5



Frequency	2442 MHz
Peak Gain	1.5 dBi
Average Gain	-2.1 dBi
Efficiency	62.3 %

2D Radiation

Frequency : 2442 MHz



Pattern		Test Plane	Peak Gain (dBi)	Peak Gain Angle
1	Blue	X-Y	-0.38	240°
2	Red	X-Z	-0.45	0°
3	Green	Y-Z	-0.44	0°

Antenna size diagram(Units:mm)

