

# APPROVAL SHEET

MULTILAYER CERAMIC ANTENNA

**RFANT Series – RoHS Compliance**

2.4 GHz ISM Band Working Frequency

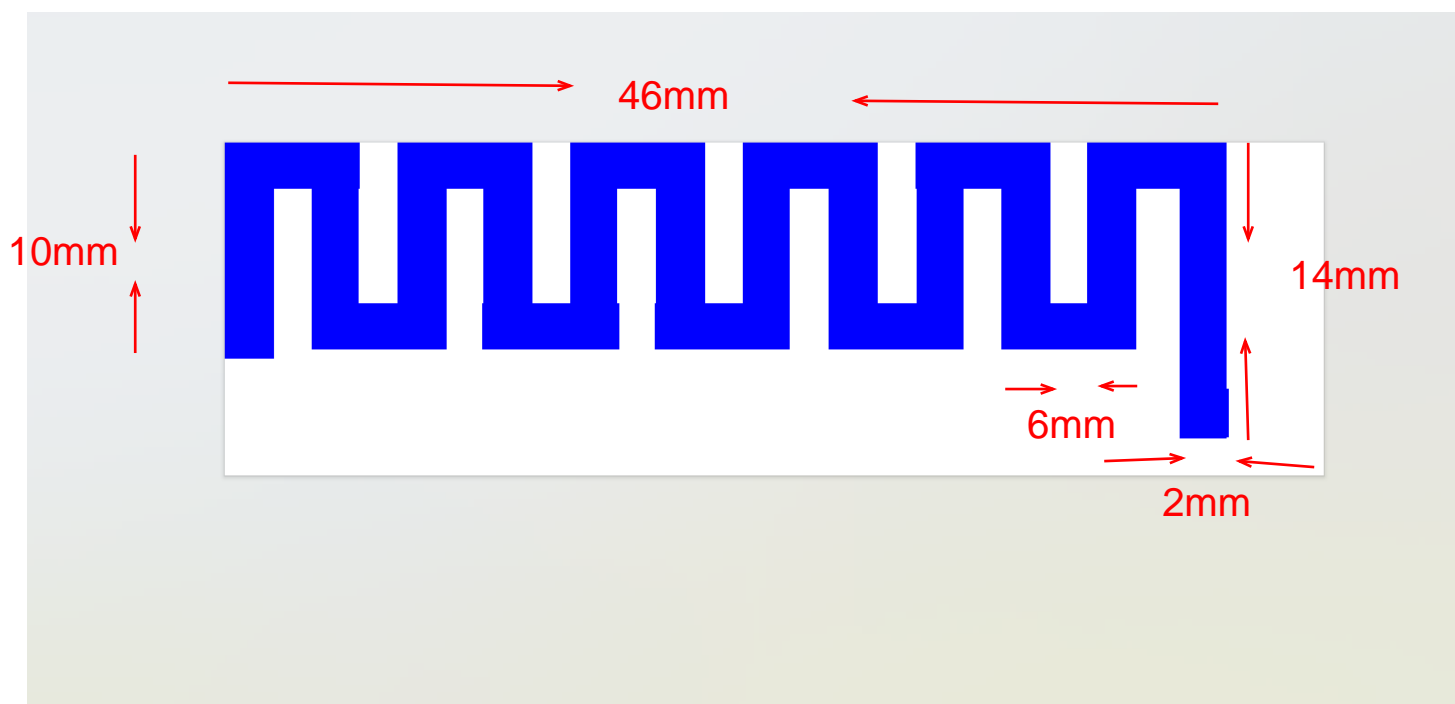
**P/N: RFANT3216120A5T Series**

Manufacture's Name: Fujian Jinboli Hardware Technology Co., Ltd  
Address: No. 1064 Xingxiu Road, Dongyuan Town, Taiwan Investment Zone, Quanzhou,  
Fujian, China

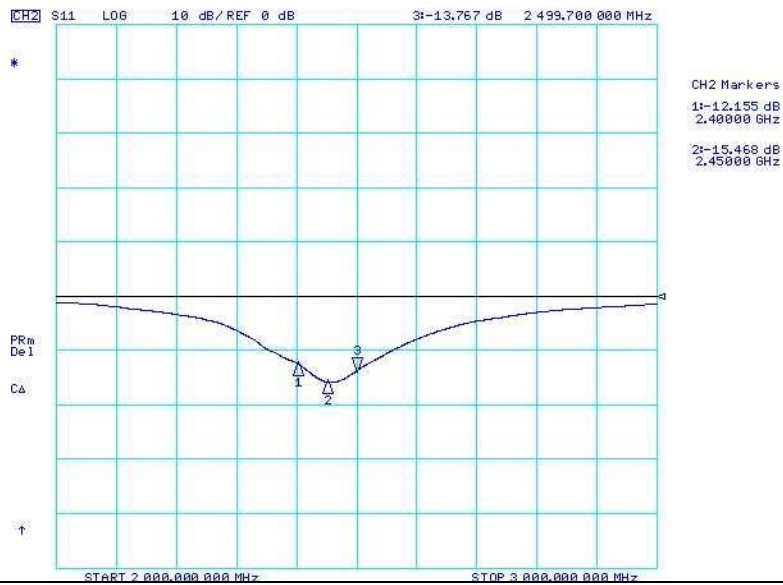
# ELECTRICAL CHARACTERISTICS

RFANT3216120A5T		Specification
Working Frequency Range		2450 ± 50 MHz
Fc (GHz)		2.9
Gain (dBi)		2.12 (Typical)
VSWR		2 max.
Matching component value	Series 1	6.8nH
	Series 2	-
Operation Temperature		-40°C ~ +85°C

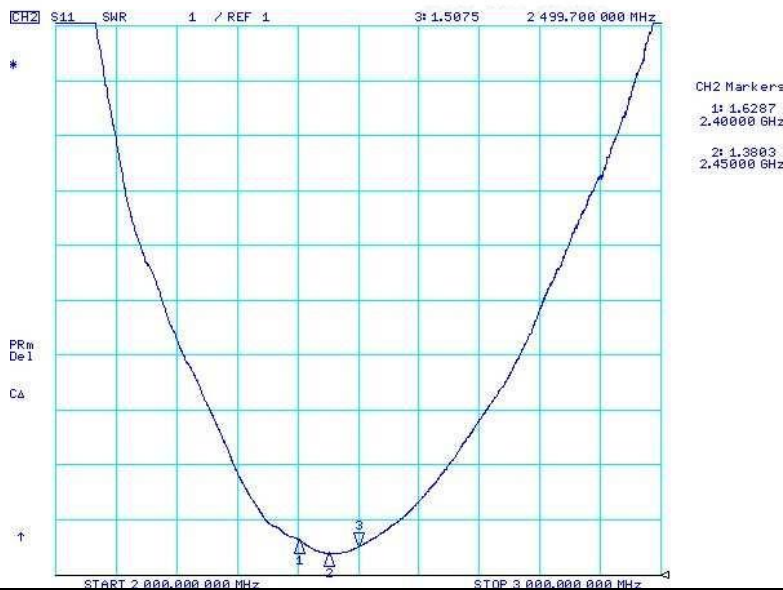
\* This frequency must be adjusted to 2.45GHz with matching circuit.

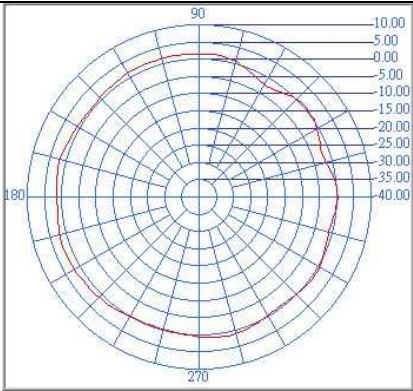
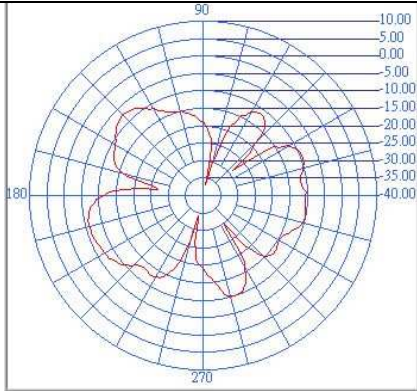
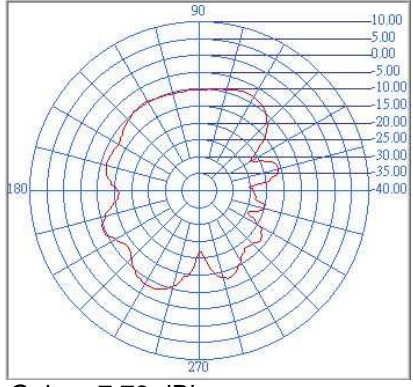
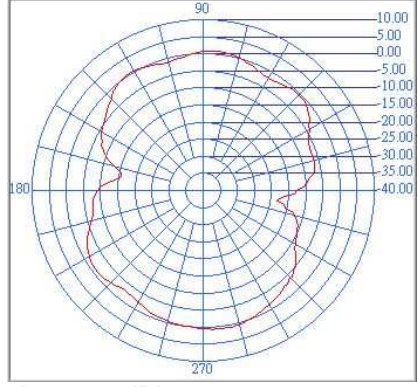
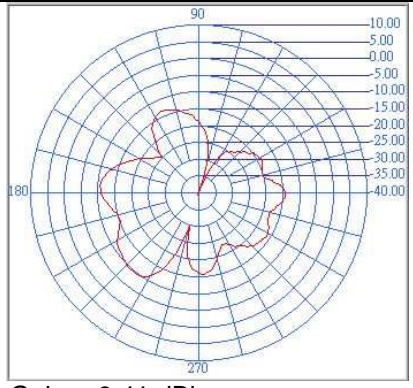
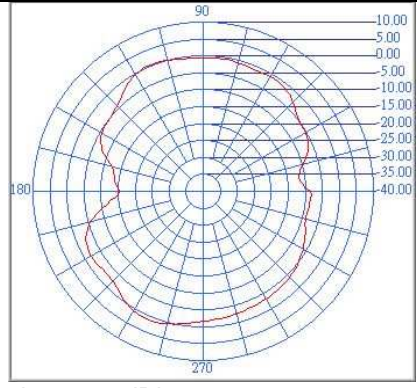


Antenna S11 on Test Board



Antenna VSWR on Test Board



	Vertical	Horizontal
<b>Y - Z Plane</b>  Average Gain= 0.891 dBi	 <p>Peak Gain = 2.12dBi Average Gain = 0.64 dBi</p>	 <p>Peak Gain= -6.07dBi Average Gain=-11.62dBi</p>
<b>X - Z Plane</b>  Average Gain= -1.846 dBi	 <p>Peak Gain= -7.78 dBi Average Gain= -11.97dBi</p>	 <p>Peak Gain= 0.96 dBi Average Gain= -2.29 dBi</p>
<b>X - Y Plane</b>  Average Gain= -2.556 dBi	 <p>Peak Gain= -9.41 dBi Average Gain= -15.54dBi</p>	 <p>Peak Gain= 1.40 dBi Average Gain= -2.78 dBi</p>