

APPROVAL SHEET

MULTILAYER CERAMIC ANTENNA

RFANT Series – RoHS Compliance

2.4 GHz ISM Band Working Frequency

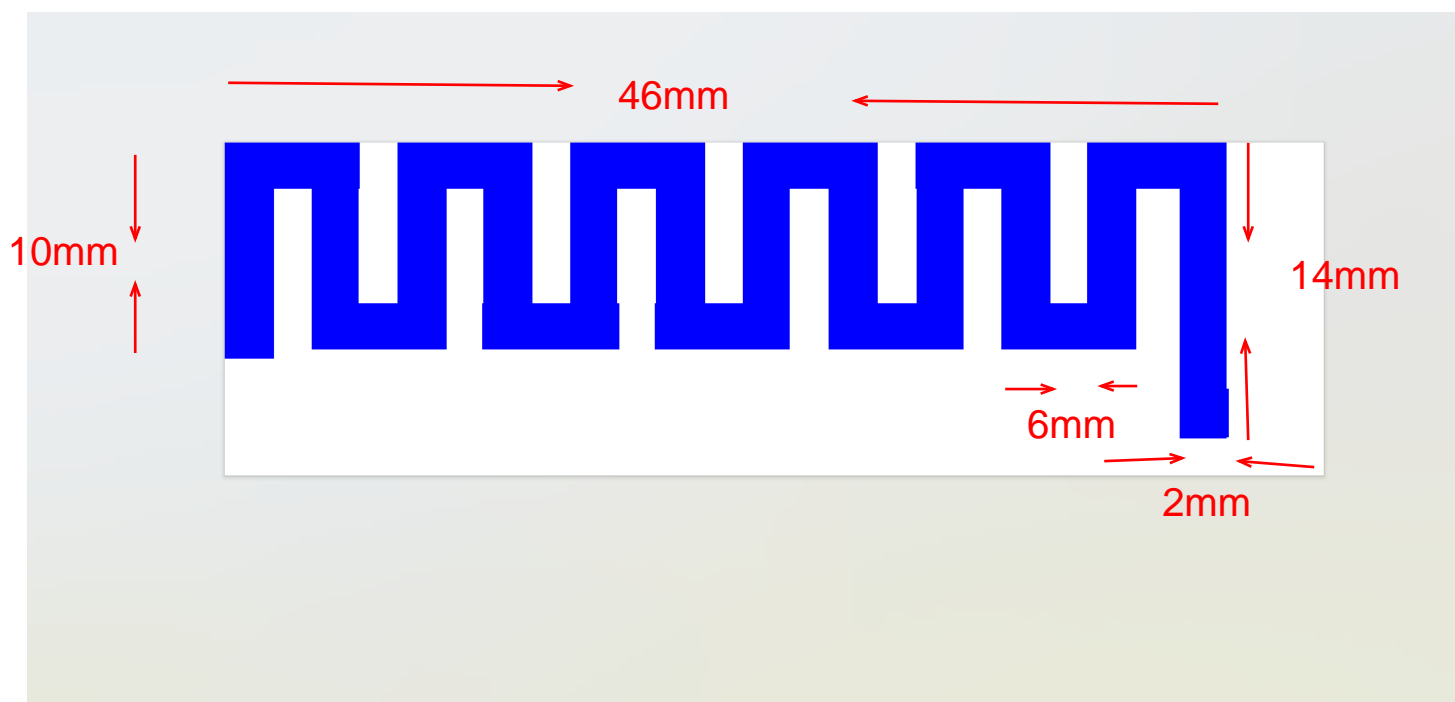
P/N: RFANT3216120A5T Series

Manufacture's Name:Fujian Jinboli Hardware Technology Co., Ltd

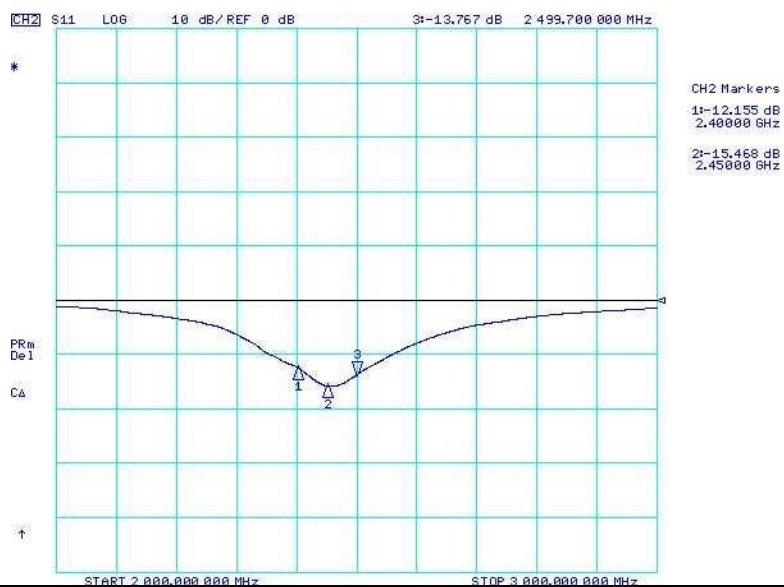
ELECTRICAL CHARACTERISTICS

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

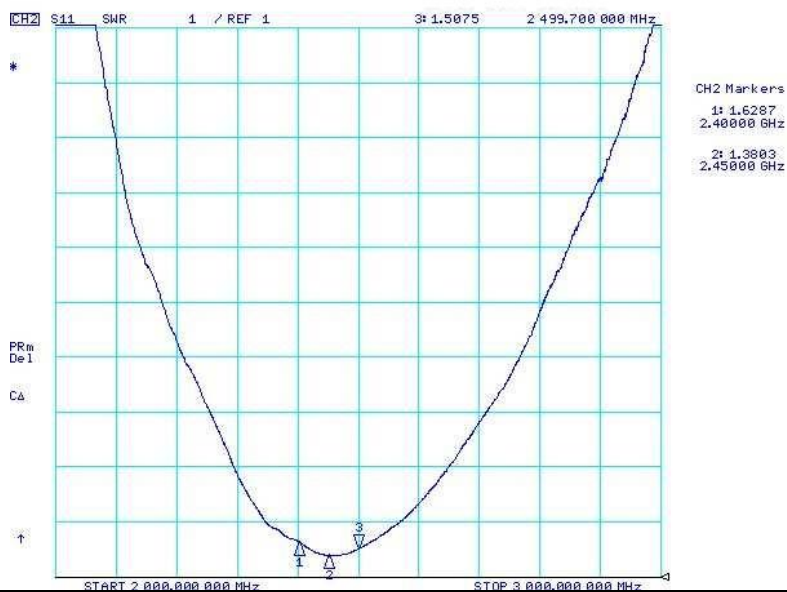
* This frequency must be adjusted to 2.45GHz with matching circuit.



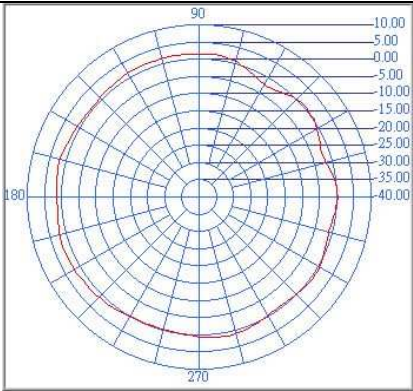
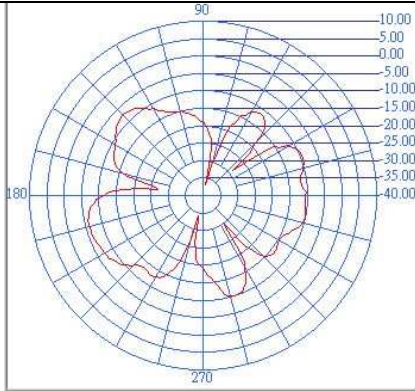
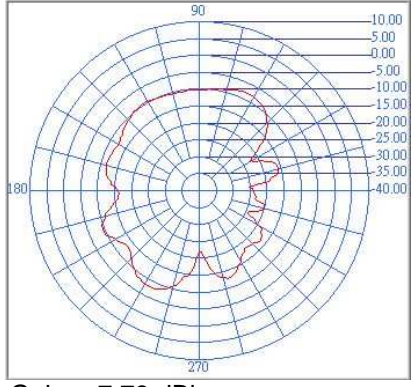
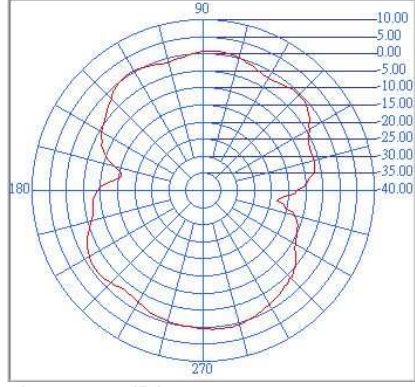
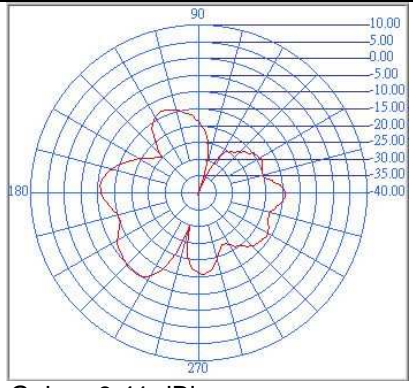
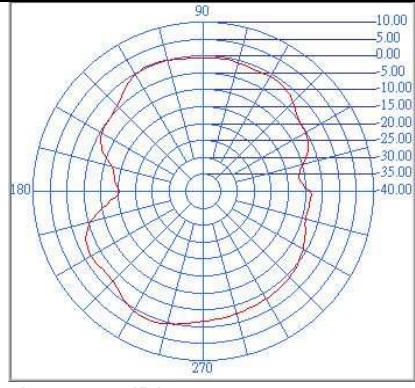
Antenna S11 on Test Board



Antenna VSWR on Test Board



Frequency:2450MHz

	Vertical	Horizontal
Y - Z Plane 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>
X - Z Plane 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>
X - Y Plane 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>