APPROVAL SHEET

MULTILAYER CERAMIC ANTENNA

RFANT Series – RoHS Compliance

2.4 GHz ISM Band Working Frequency

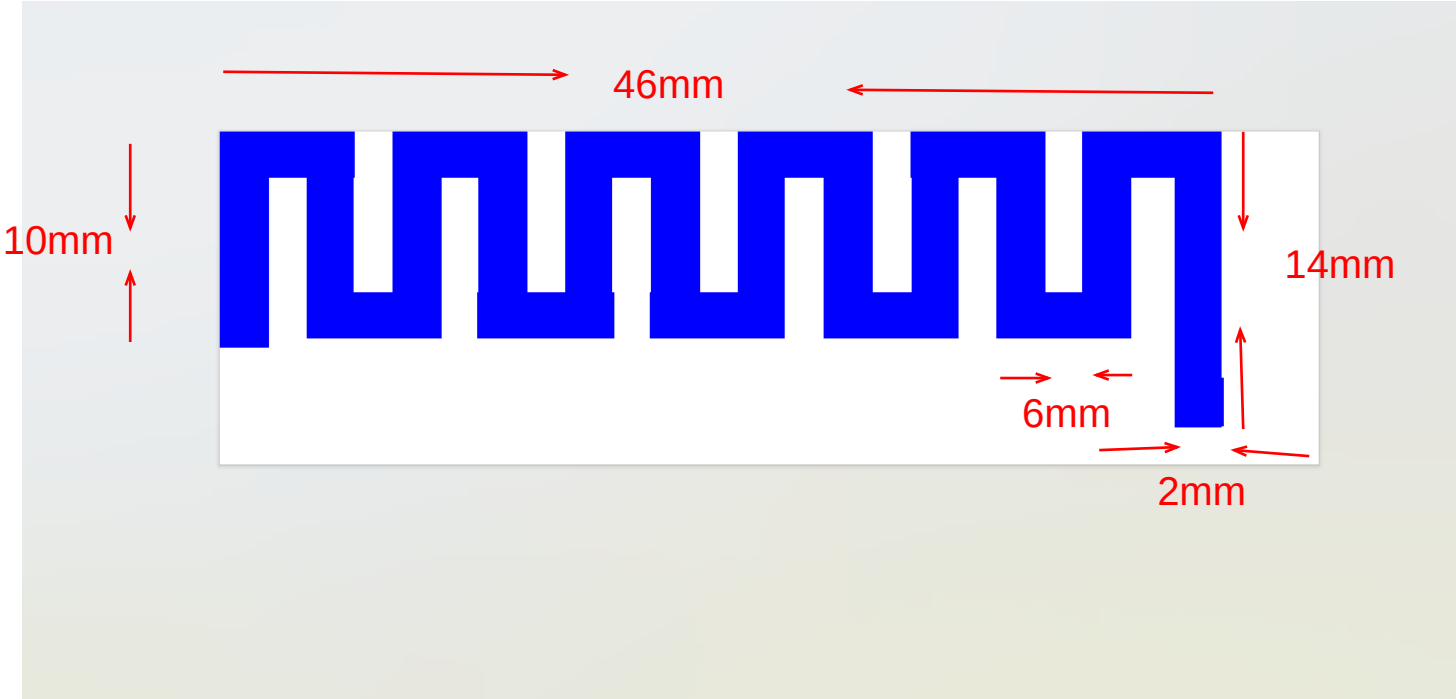
P/N: RFANT3216120A5T Series

*Contents in this sheet are subject to change without prior notice.

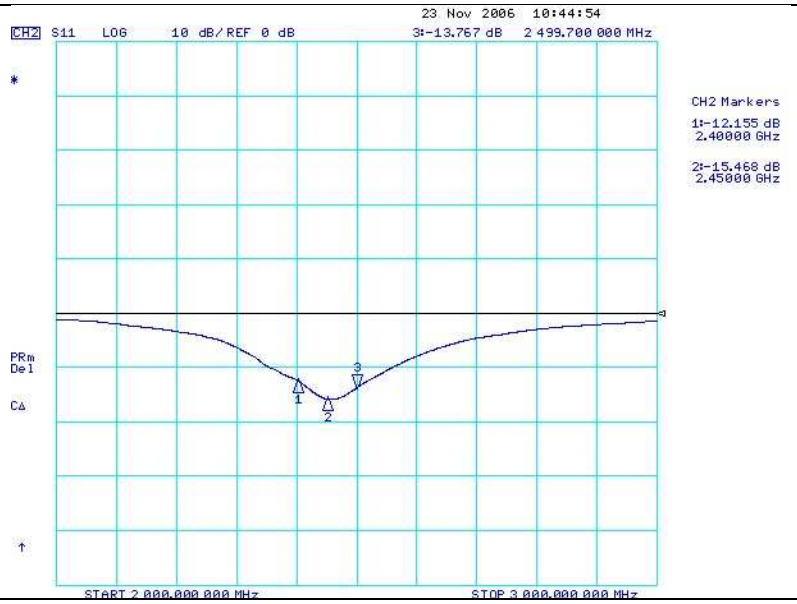
ELECTRICAL CHARACTERISTICS

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

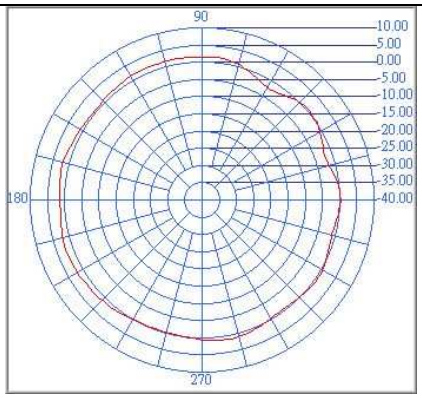
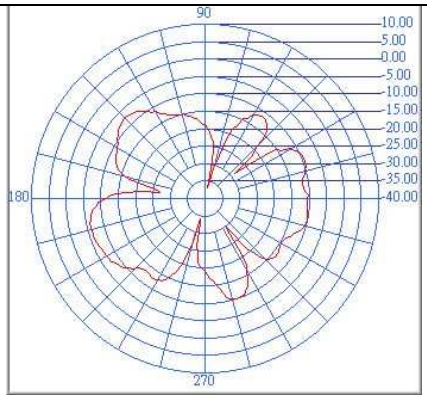
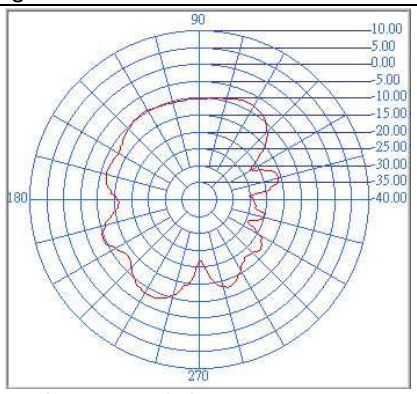
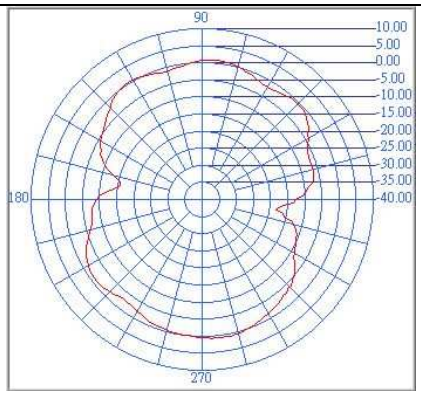
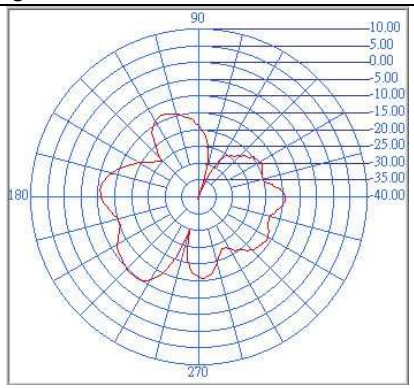
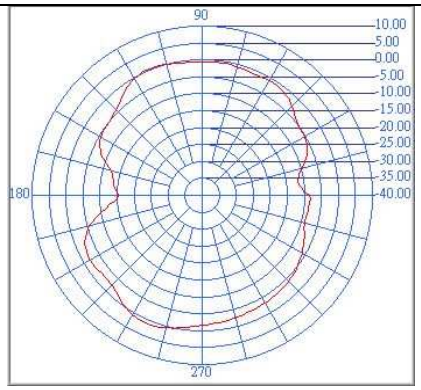
*** This frequency must be adjusted to 2.45GHz with matching circuit.**



Antenna S11 on Test Board



Antenna VSWR on Test Board

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