

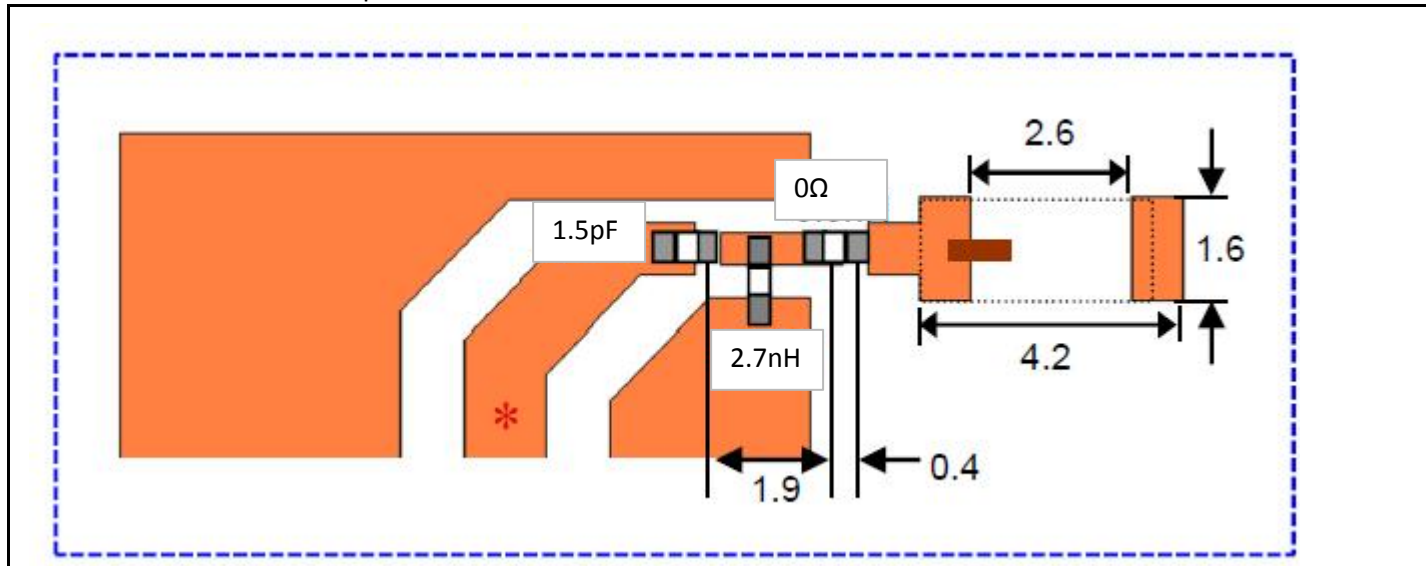
2023/11/9 Shiftall / Takuma HIROUCHI

Antenna specification / Radiation_Patterns

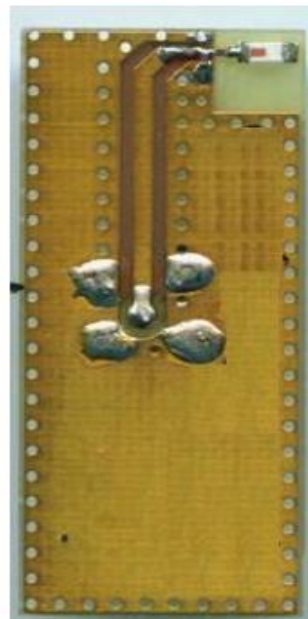
Manufacturer name: Johanson Technology, Inc.

Manufacturer address: 4001 Calle Tecate, Camarillo, CA. 93012.

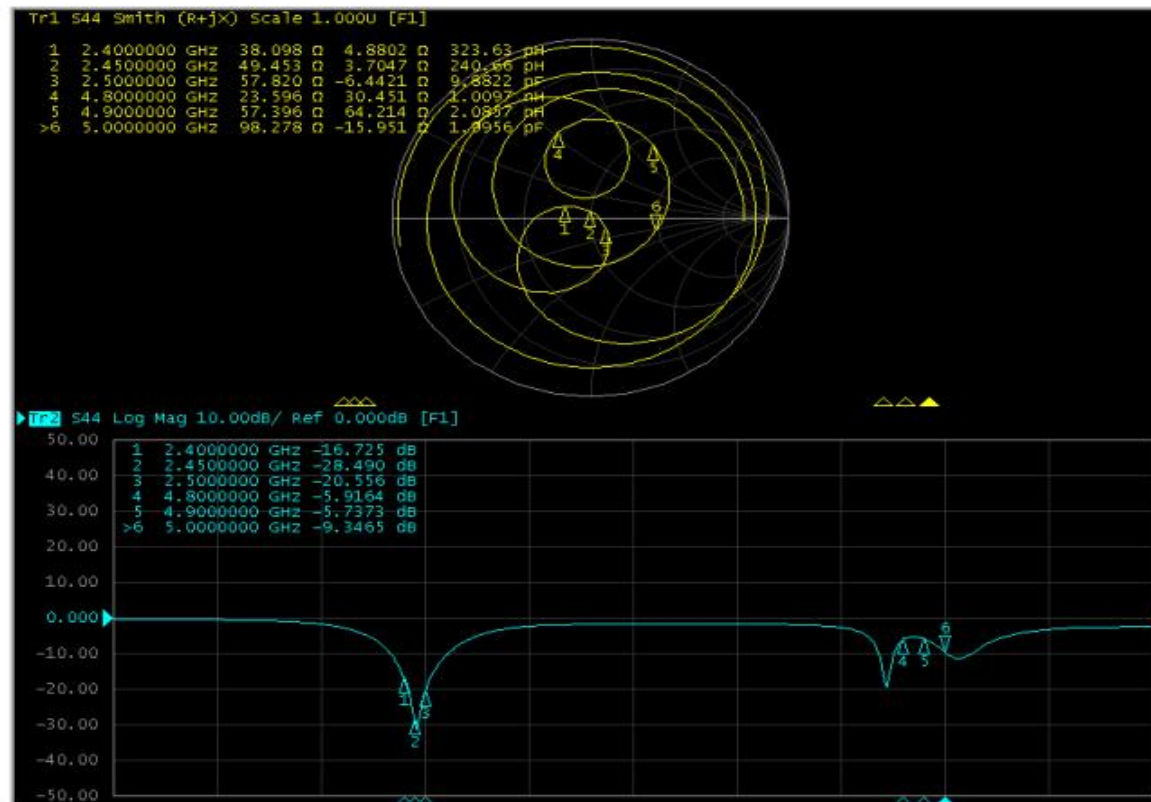
Size of the standard antenna pattern



2450AT18B100

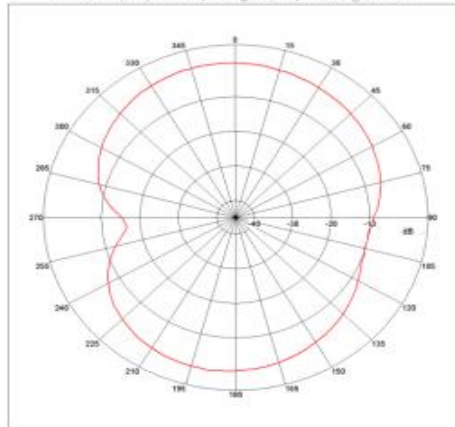


Return Loss measurement of 2450AT18B100



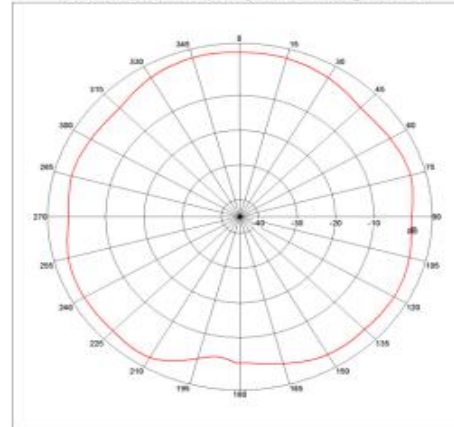
2450AT18B100_2D Gain Pattern @ 2.45GHz

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)=-0.24 dB, Plot AvgGain(H+V)=-3.84dB @2.45000 GHz



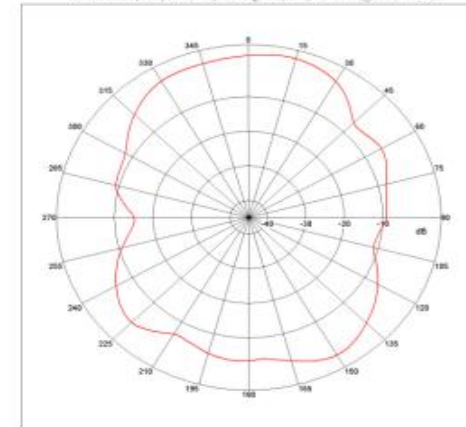
	Peak gain	Avg. gain
XY-plane	-0.2	-3.8

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 2.67 dB, Plot AvgGain(H+V)= 0.53dB @2.45000 GHz



	Peak gain	Avg. gain
XZ-plane	2.5	0.5

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 2.52 dB, Plot AvgGain(H+V)=-3.51dB @2.45000 GHz



	Peak gain	Avg. gain
YZ-plane	2.5	-3.5

2450AT18B100
3D Radiation Pattern and Efficiency



Frequency (GHz)	XY-plane (Theta=90)		XZ-plane (Phi=0)		YZ-plane (Phi=90)		Efficiency (%)
	Peak Gain (dBi)	Avg. Gain (dBi)	Peak Gain (dBi)	Avg. Gain (dBi)	Peak Gain (dBi)	Avg. Gain (dBi)	
2.45	1.2	-2.7	2.1	0.4	0.5	-3.9	76.4

