

W007 PCB ANTENNA

(315MHz)

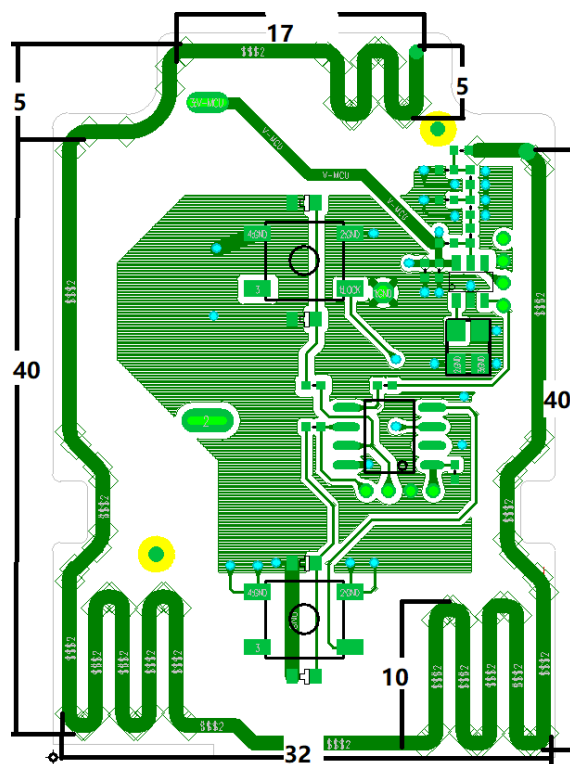
1, W700 is a 2 key RF remote controller and works at 315M Hz carry wave. W700 is using PCB antenna.

2, antenna specification

parament	
FREQUENCY	315MHz
BANDWIDE	313MHz-318MHz
GAIN	1.5dBI
VSWR	<1.3
Polarization:	Linear Vertical
Radiation pattern:	Omnidirectional
Input impedance	50Ω
Maximum power	3W
Length	24cm
Operating temperature	-40°C~ +80°C

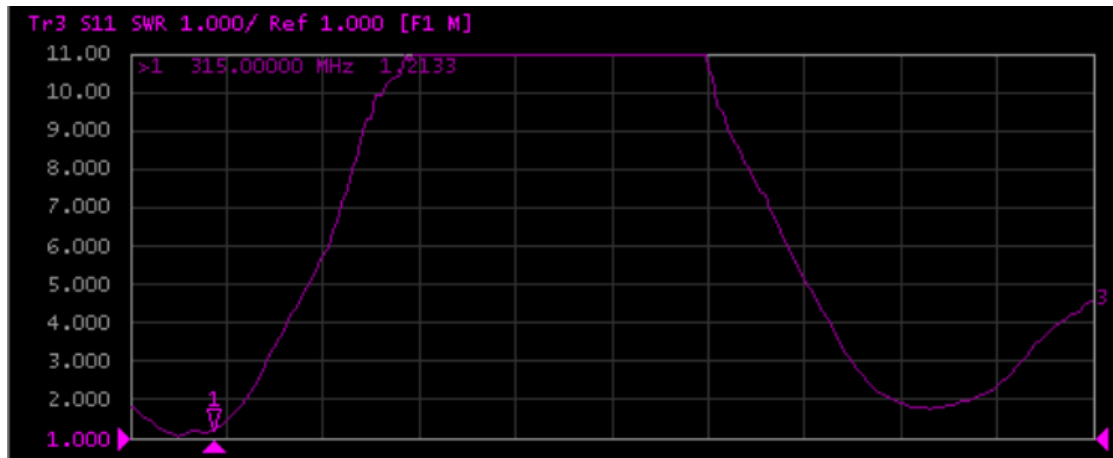
3,PCB ANTENNA IMAGE

Unit: mm



4, Antenna character

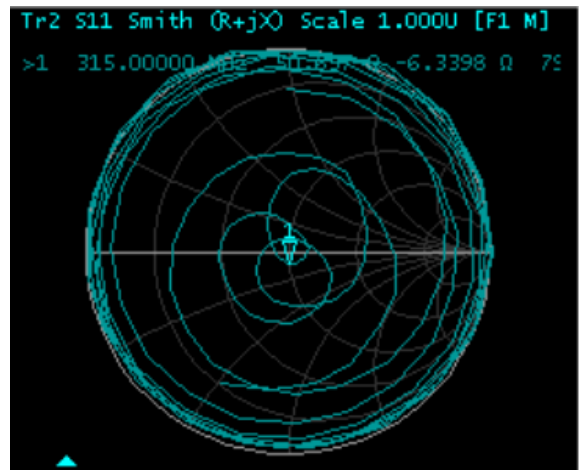
4.1, (VSWR)



4.2 (Return Loss)

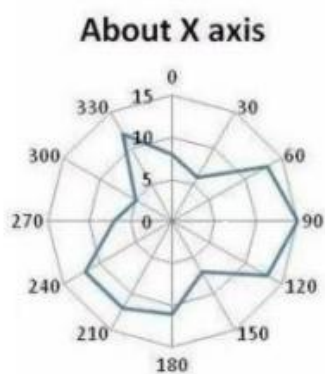
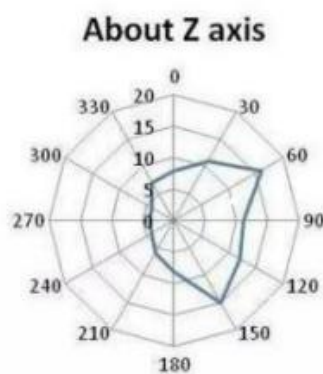
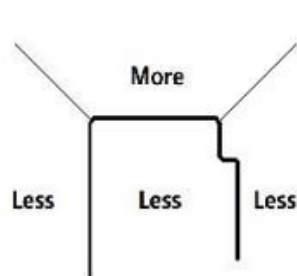


4.3, Smith (R+jx)

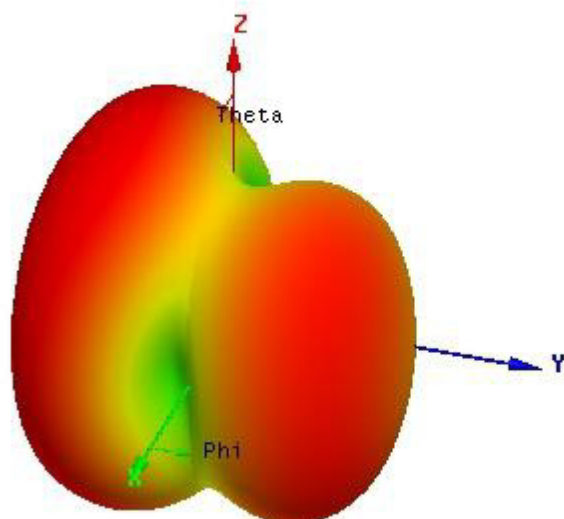


4.4 Three-dimensional coordinates

Frequency(MHz)	312	313	314	315	316	317	318
Gain(dBi)	0	0	1	1.5	1	0	0



4.5 3D gain pattern



4.6 E, h plan

