

Antenna Report

Project: WT101

Band: LoRa-B915

Structure: Internal PCB Antenna

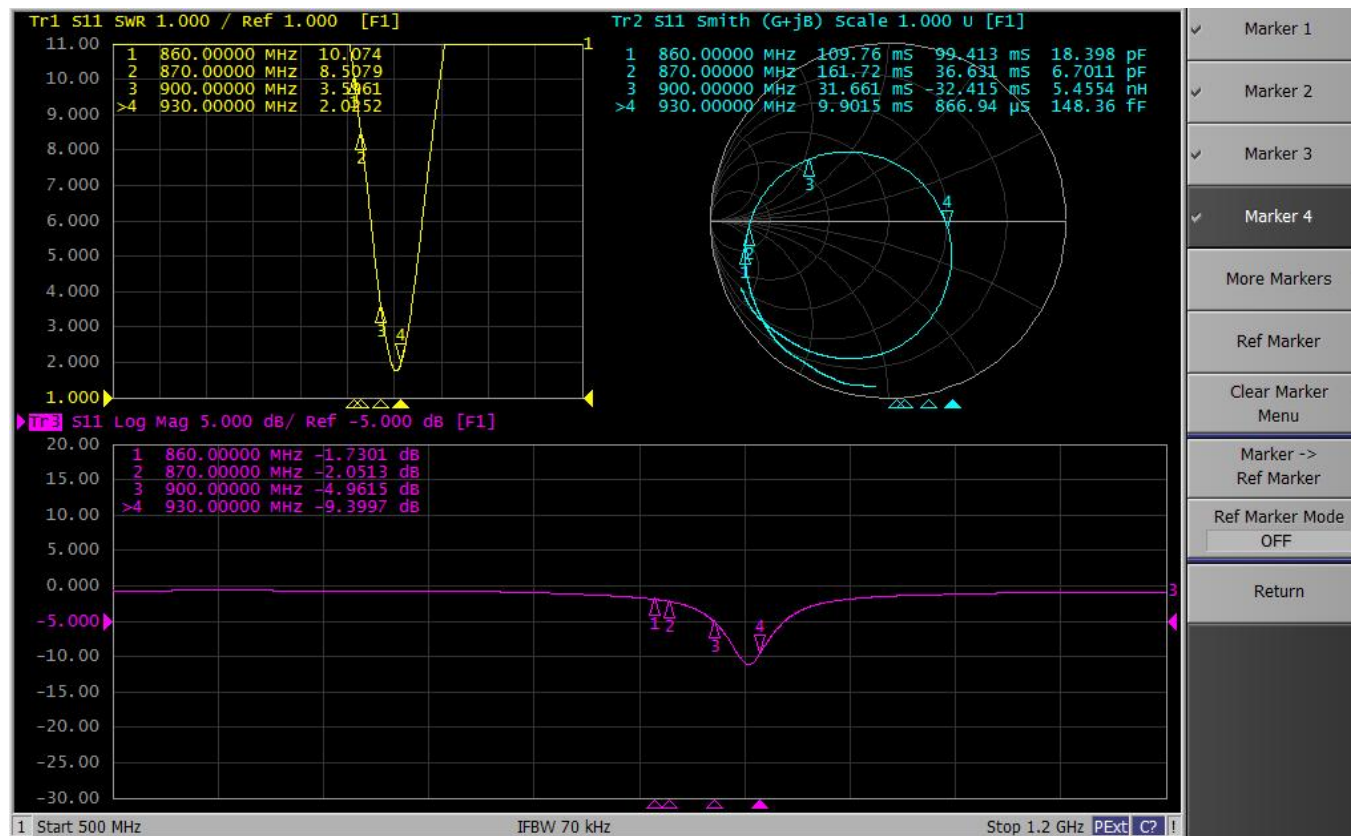
Antenna size: 24*12*1 mm

Test Time: 2023.07.13



Measurement Data

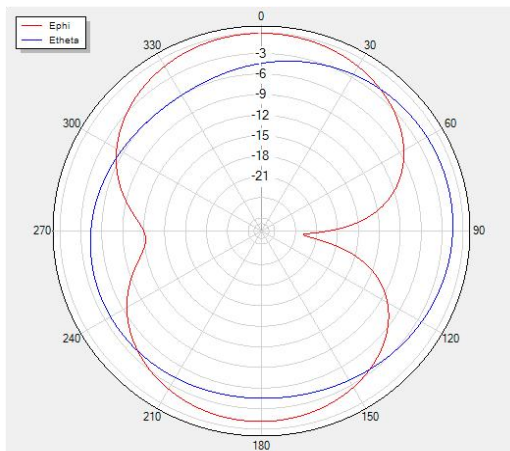
Antenna	WT101-B915						
Frequency (MHz)	900	905	910	915	920	925	930
Max Gain (dBi)	-3.16	-2.5	-2	-1.82	-1.48	-1.05	-0.83
Efficiency (dB)	-6.55	-5.91	-5.48	-5.53	-5.4	-5.2	-5.13
Efficiency (%)	22.15	25.67	28.34	28.01	28.82	30.19	30.7



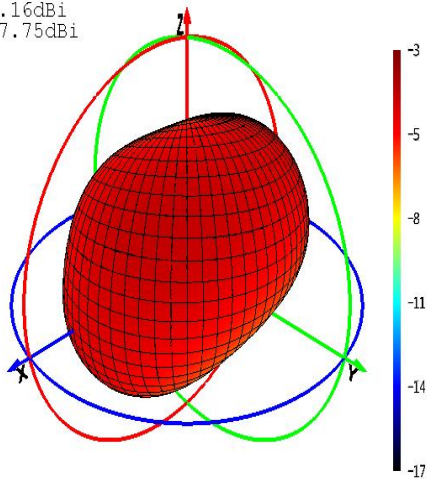


Radition Pattern (2D&3D)

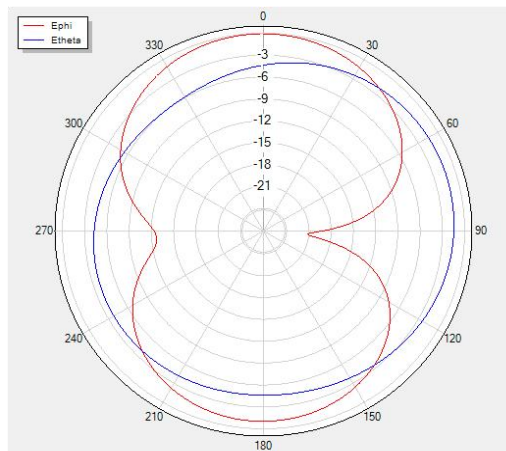
Theta=90 freq=900MHz



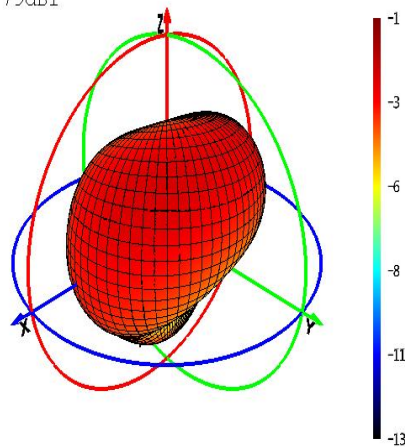
MAX: -3.16dBi
MIN: -17.75dBi



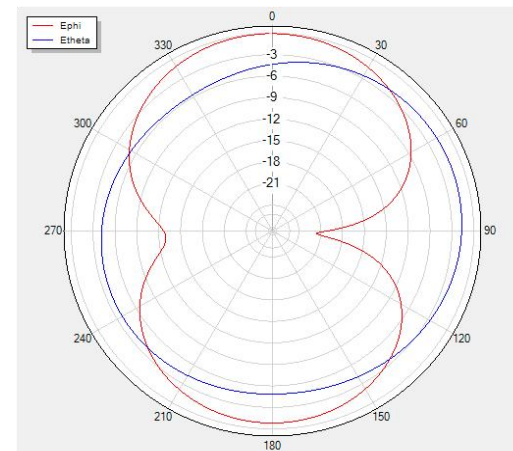
Theta=90 freq=915MHz



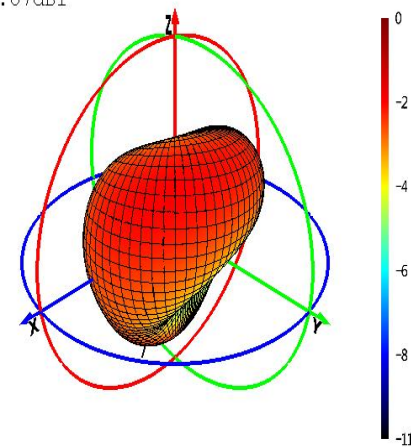
MAX: -1.82dBi
MIN: -14.79dBi



Theta=90 freq=930MHz



MAX: -0.83dBi
MIN: -12.07dBi





Active Measurement Data

Antenna	WT101-B915		
SF	10		
Tx Power (dBm)	22		
Frequency (MHz)	905	915	925
TRP (dBm)	16.96	16.85	16.41