

Antenna Report

Project: WT102

Band: LoRa 900-930MHz

Structure: PCB Antenna

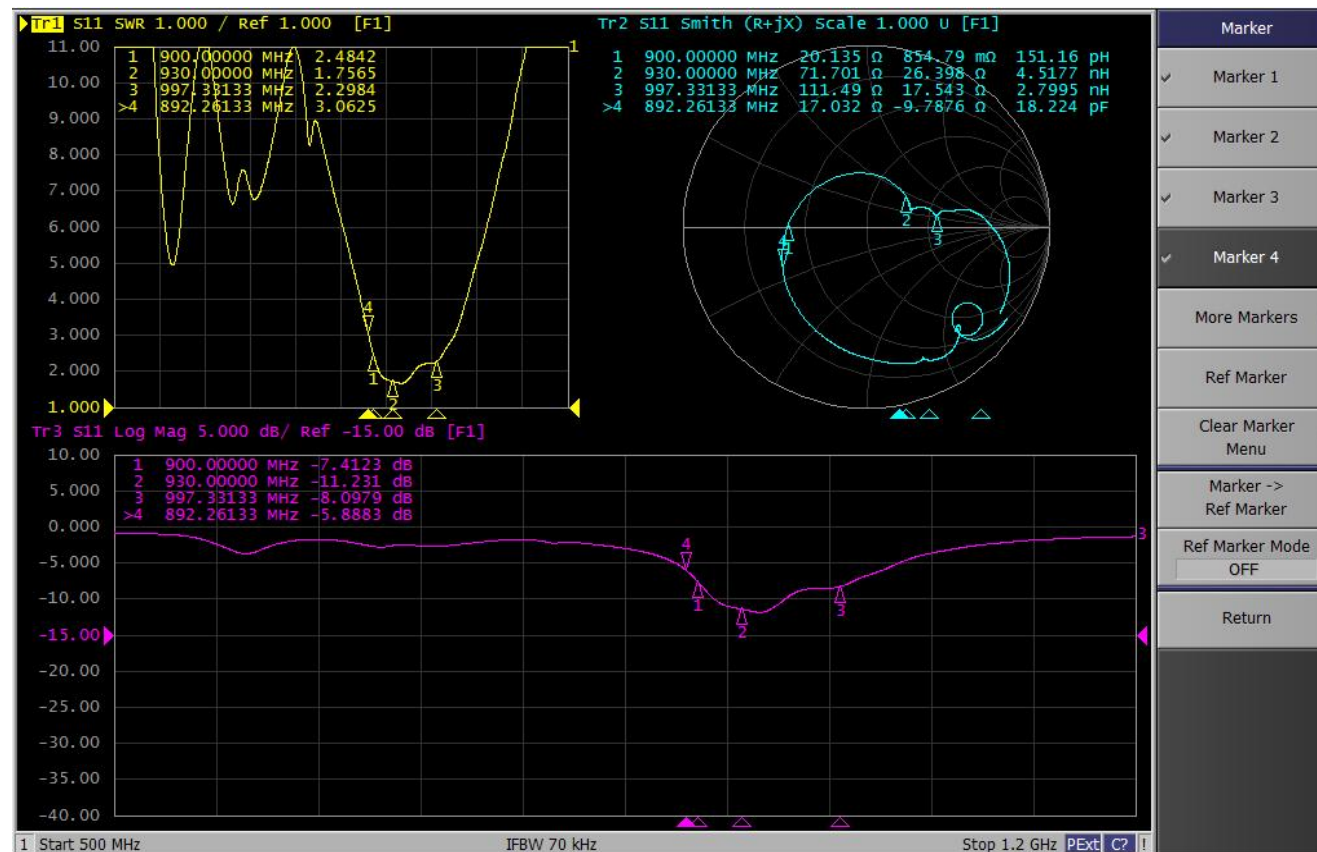
antenna size: L:70mm diameter:1.5mm

Test Time: 2025.8



Measurement Data

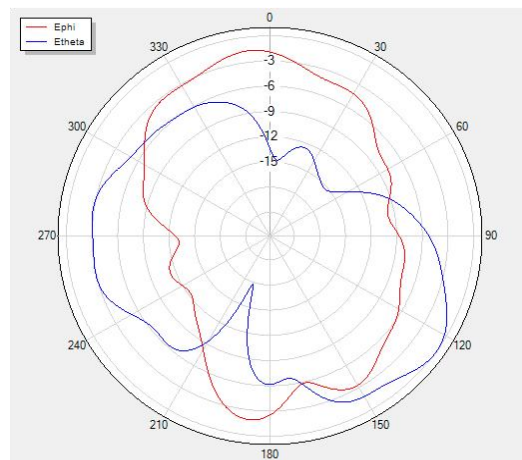
Antenna	WT102 - 915						
Frequency (MHz)	900	905	910	915	920	925	930
Max Gain (dBi)	-3.29	-3.06	-3.01	-3.28	-3.45	-3.89	-4.34
Efficiency (dB)	-6.13	-5.99	-6.05	-6.44	-6.61	-6.88	-6.96
Efficiency (%)	24.4	25.19	24.83	22.68	21.82	20.51	20.12



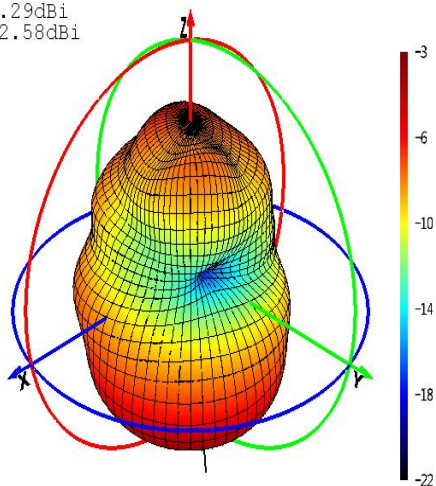


Radition Pattern (2D&3D)

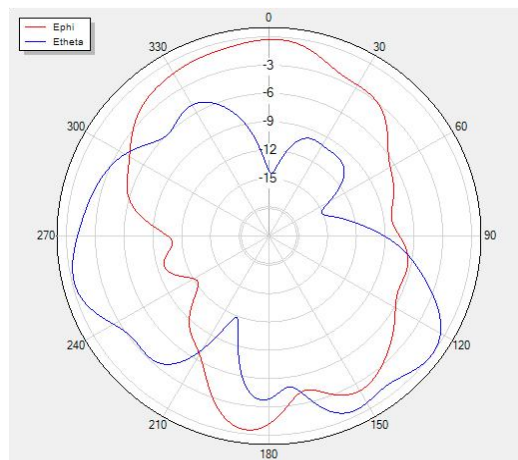
Phi=0 freq=900MHz



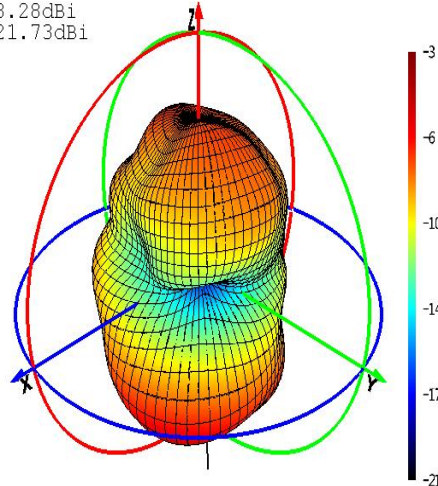
MAX: -3.29dBi
MIN: -22.58dBi



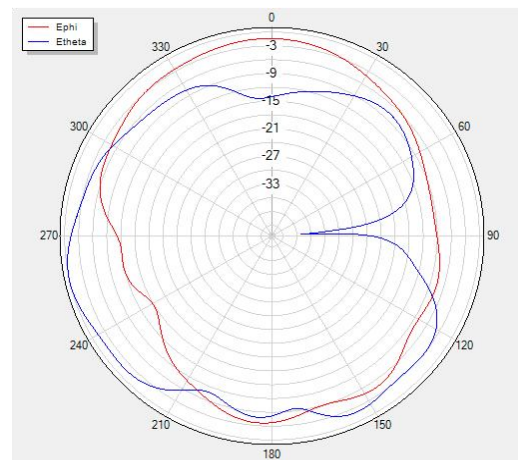
Phi=0 freq=915MHz



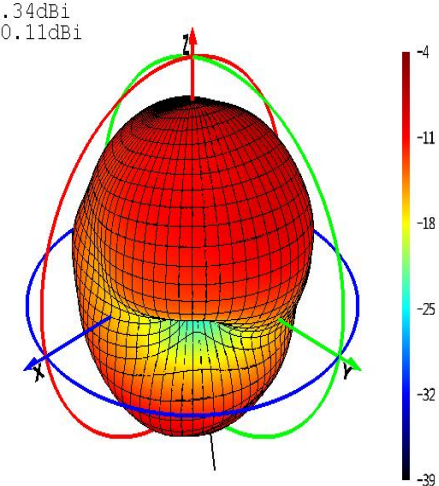
MAX: -3.28dBi
MIN: -21.73dBi



Phi=0 freq=930MHz



MAX: -4.34dBi
MIN: -40.11dBi





Active Measurement Data

Antenna	WT102 - 915			
SF	12			
Tx Power (dBm)	22			
Frequency (MHz)	905	915	923.3	925
TRP (dBm)	16.08	15.7	/	14.89
TIS (dBm)	/	/	-116.01	/