



**CoreloT** 

Your antenna design partner

**Sarath series Global  
Antenna**



**Datasheet**

# Sarath series Global Antenna

## Electrical Specifications

1. Frequency: 698-2700MHz
2. Impedance: 50Ω

## Equipment Used

1. ETS 8050 Antenna Anechoic Chamber
2. Keysite 5071C VNA (Radiation Pattern Measurement)
3. Agilent 5071C VNA (Return Loss measurement)



BAND	699/880/960	1700/1850/2170	2500
STANDARD	Cellular	Cellular	Cellular
Frequency (MHz)	698-960	1710-2170	2300-2700
VSWR	< 4.33	< 1.71	< 1.57
Return Loss (dB)	< -4.08	< -11.63	< -13.01
Peak Gain (dBi)	0.02	-0.97	0.4
Efficiency(%)	66.9	56.8	71
Radiation Properties	Omni-Directional		
Max. input power	5W		
Polarization	Linear		
Impedance(ohms)	50		

# Sarath series Global Antenna

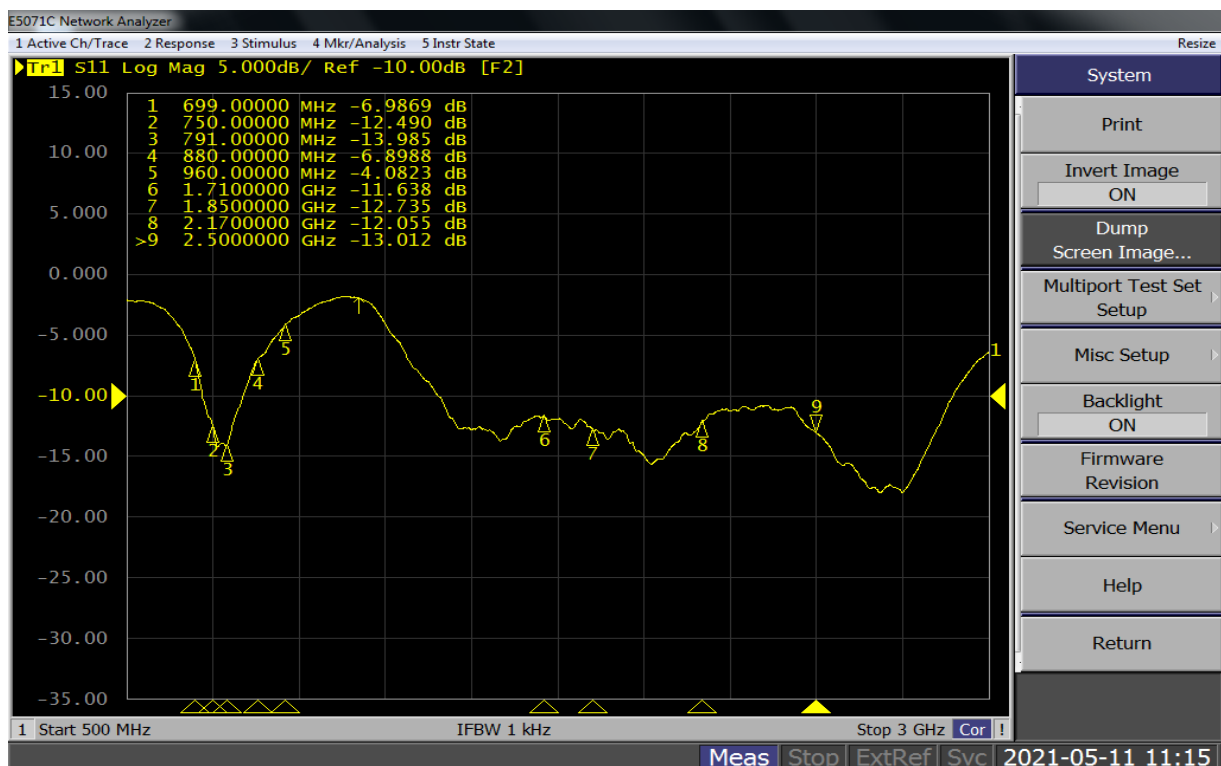
## Features

1. Size of antenna 120\*40\*1.6mm
2. > 56.8% Efficiency on all bands
3. -0.97 dBi Peak Gain
4. Linear Polarization
5. Adhesive tape or glass mount

## Applications

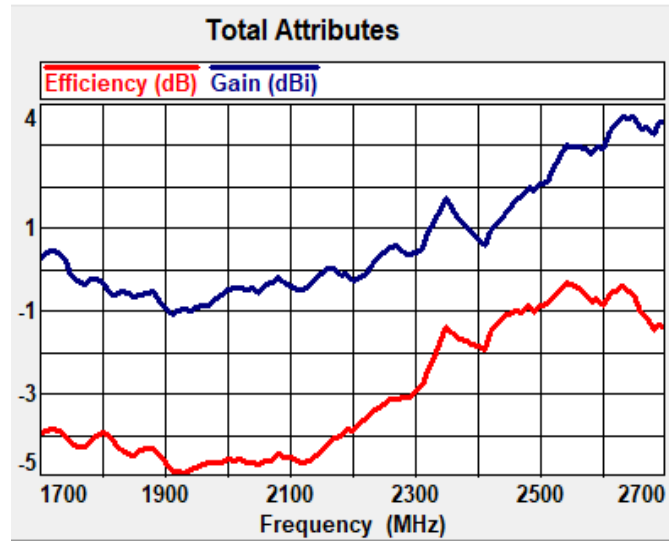
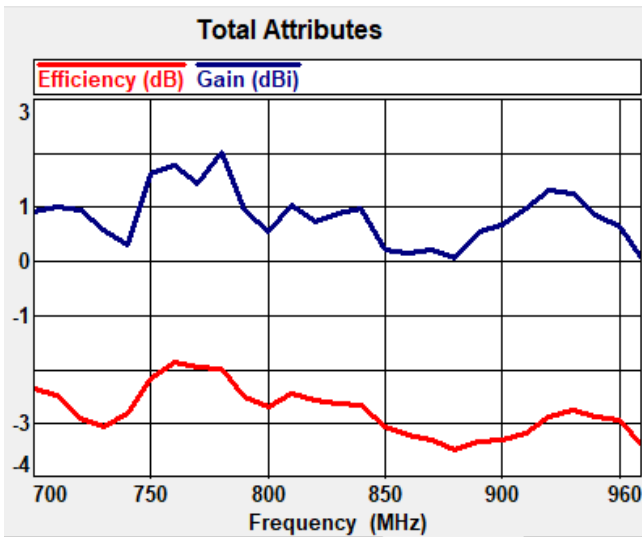
1. Cellular IoT: LTE-M (Cat-M1) and NB-IoT
2. Worldwide LTE, UMTS and GSM
3. Low-power, wide-area (LPWA)
4. Smart Home networking
5. Sensing and remote monitoring
6. Internet of Things (IoT)

## Return Loss



# Sarath series Global Antenna

## Efficiency



## Radiation Pattern

