

SPECIFICATION

Part No. : **PF.1001.021**

Product Name : SMD- 4G LTE / CAT1. CAT4 Antenna

Features : LTE-FDD / LTE-TDD / WCDMA / NB-IoT /
CAT1.CAT4 Bands

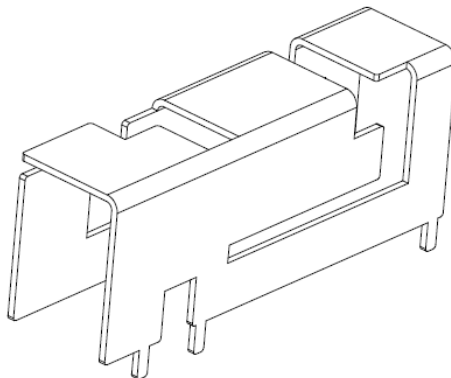
698~960MHz / 1710~2690MHz

1.5 dBi Peak Gain

27*7*10 mm size

High Efficiency Multi-Band SMD antenna

RoHS Compliant



2. Specifications

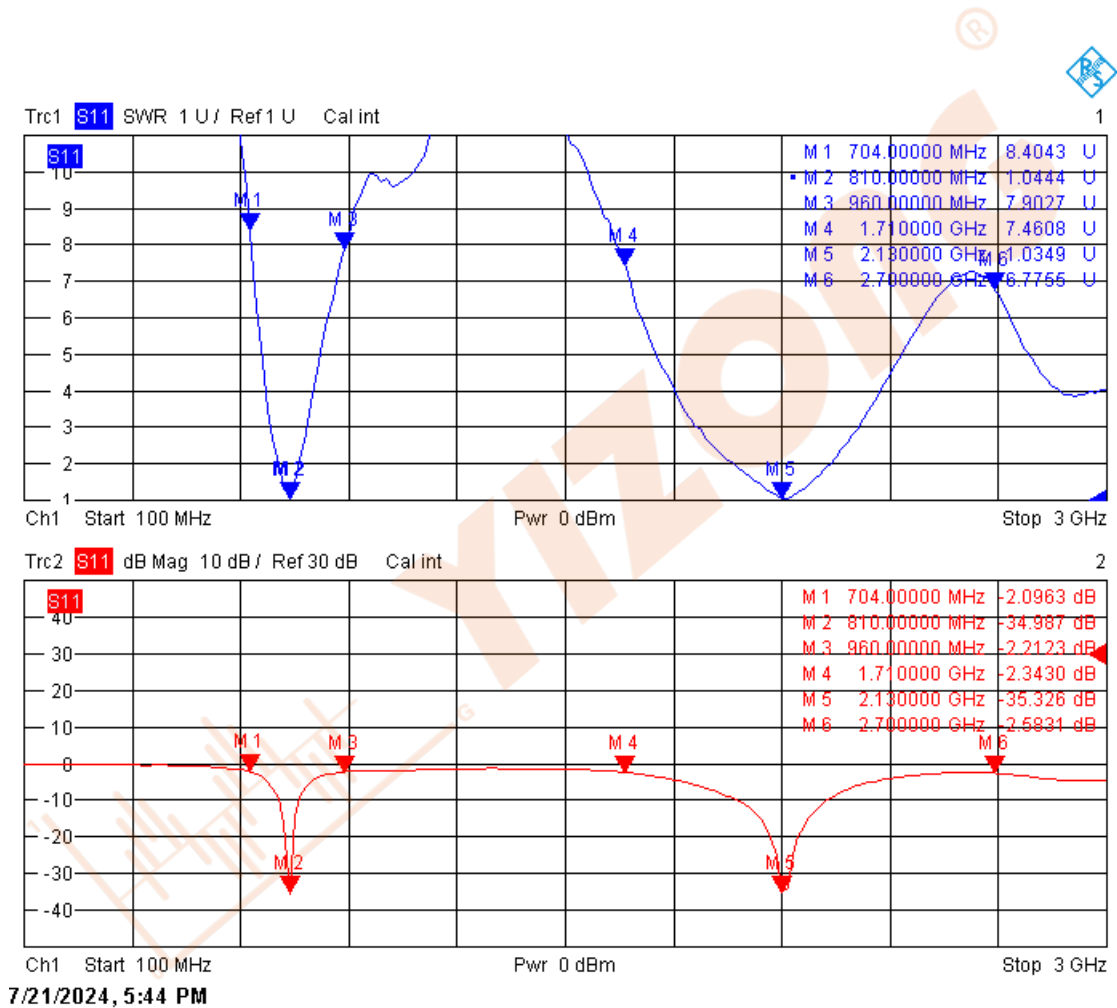
Electrical		
Frequency (MHz)	LTE-TDD/LTE-FDD/WCDMA/NB-IoT / CAT1.CAT4 Bands	
	790~960	1710-2700
VSWR	< 5.0	< 5.0
Return Loss (dB)	-3	-3
Peak Gain (dBi)	2	3
Efficiency (%)	~85	~55
Average Gain (dBi)	-0.5	-2.5
Radiation Properties	Omni-directional	
Max Input Power (Watts)	5	
Polarization	Linear	
Impedance (Ohms)	50	

Mechanical	
Dimensions (mm)	27*7*10 mm
Material	SUS201
Soldering Type	SMT
Weight	2.1g

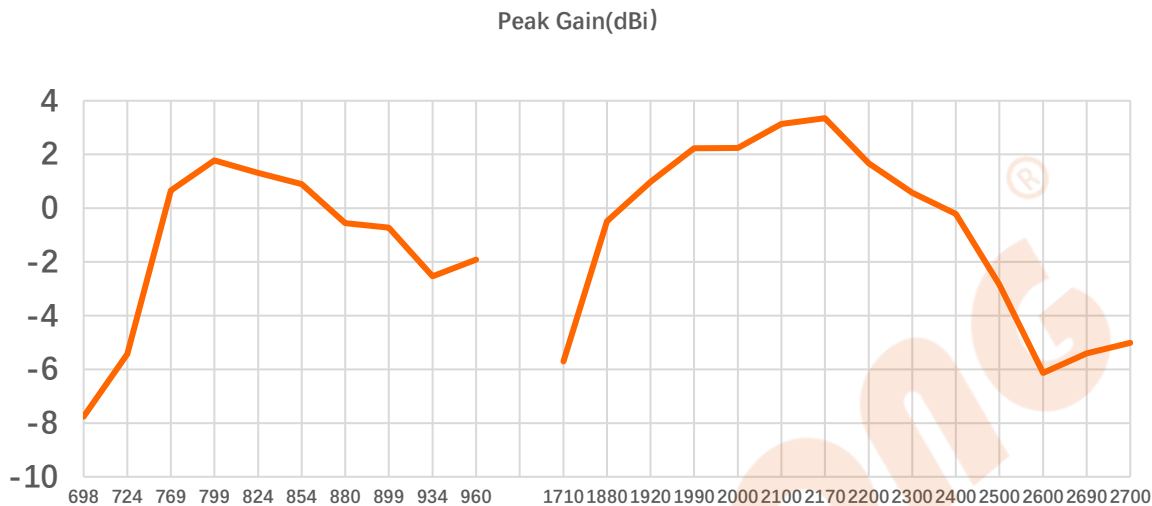
Environmental	
Operation Temperature	-40°C to 125°C
Storage Temperature	-40°C to 125°C
RoHs Compliant	Yes

2. ANTENNA PARAMETERS

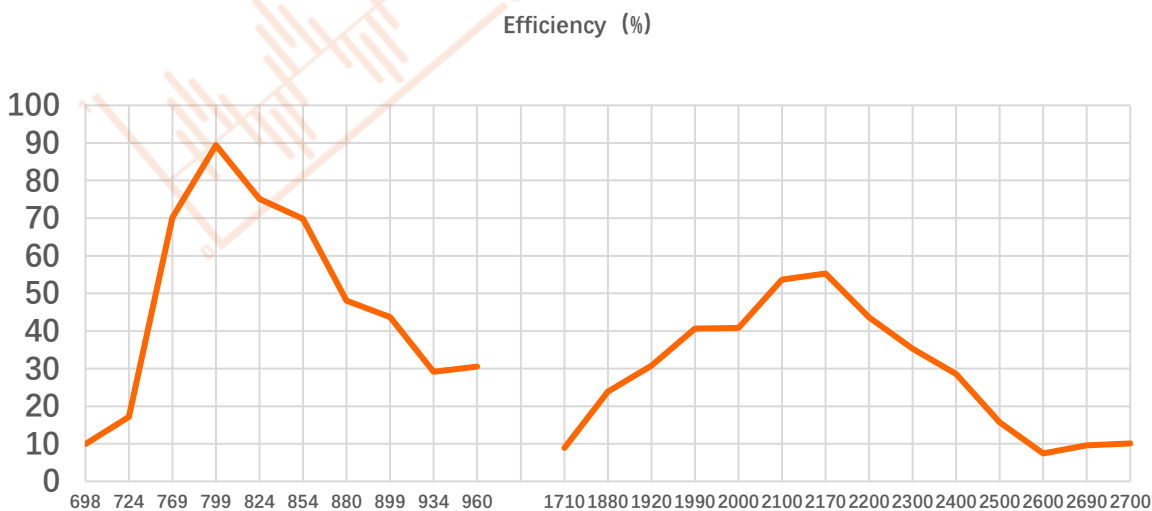
2.1 S Parameter



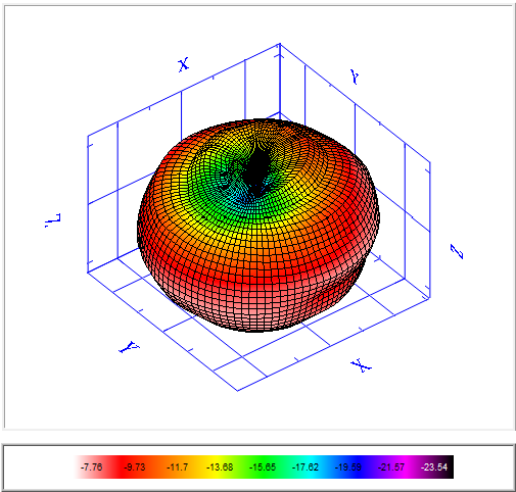
2.2 Peak Gain



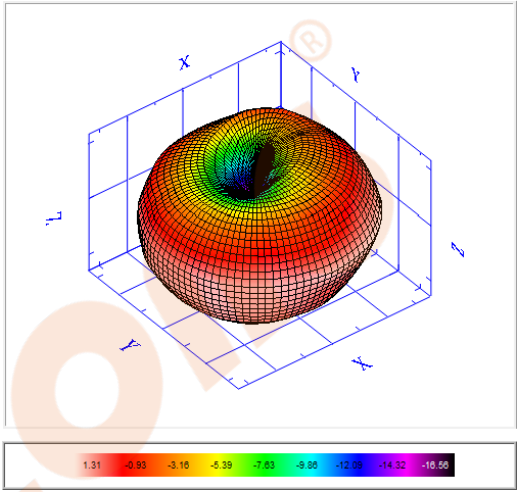
2.3 Efficiency



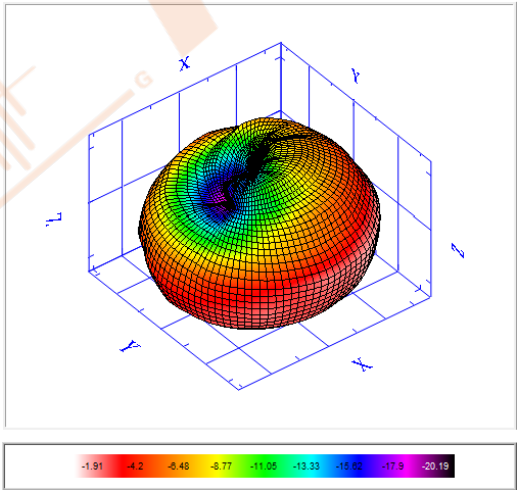
2.4 Radiation Pattern



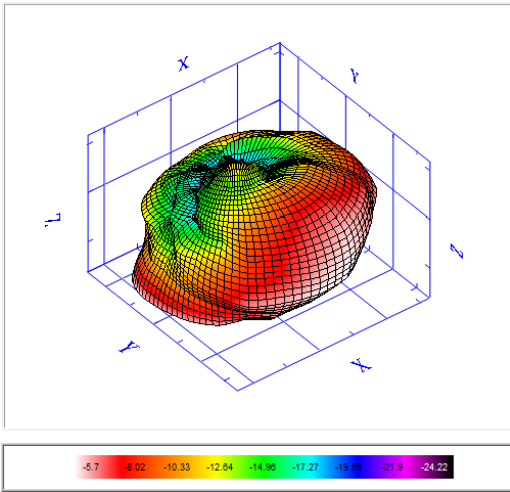
Radiation Pattern at 698 MHz of Antenna.



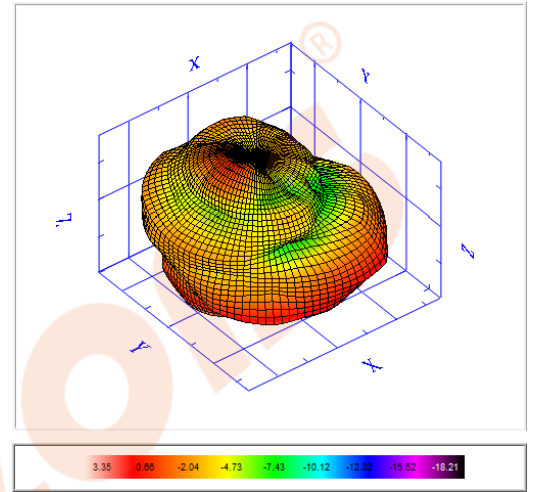
Radiation Pattern at 824 MHz of Antenna.



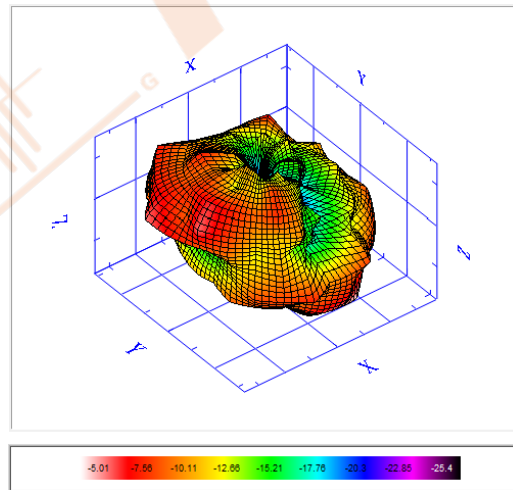
Radiation Pattern at 960 MHz of Antenna.



Radiation Pattern at 1710 MHz of Antenna.

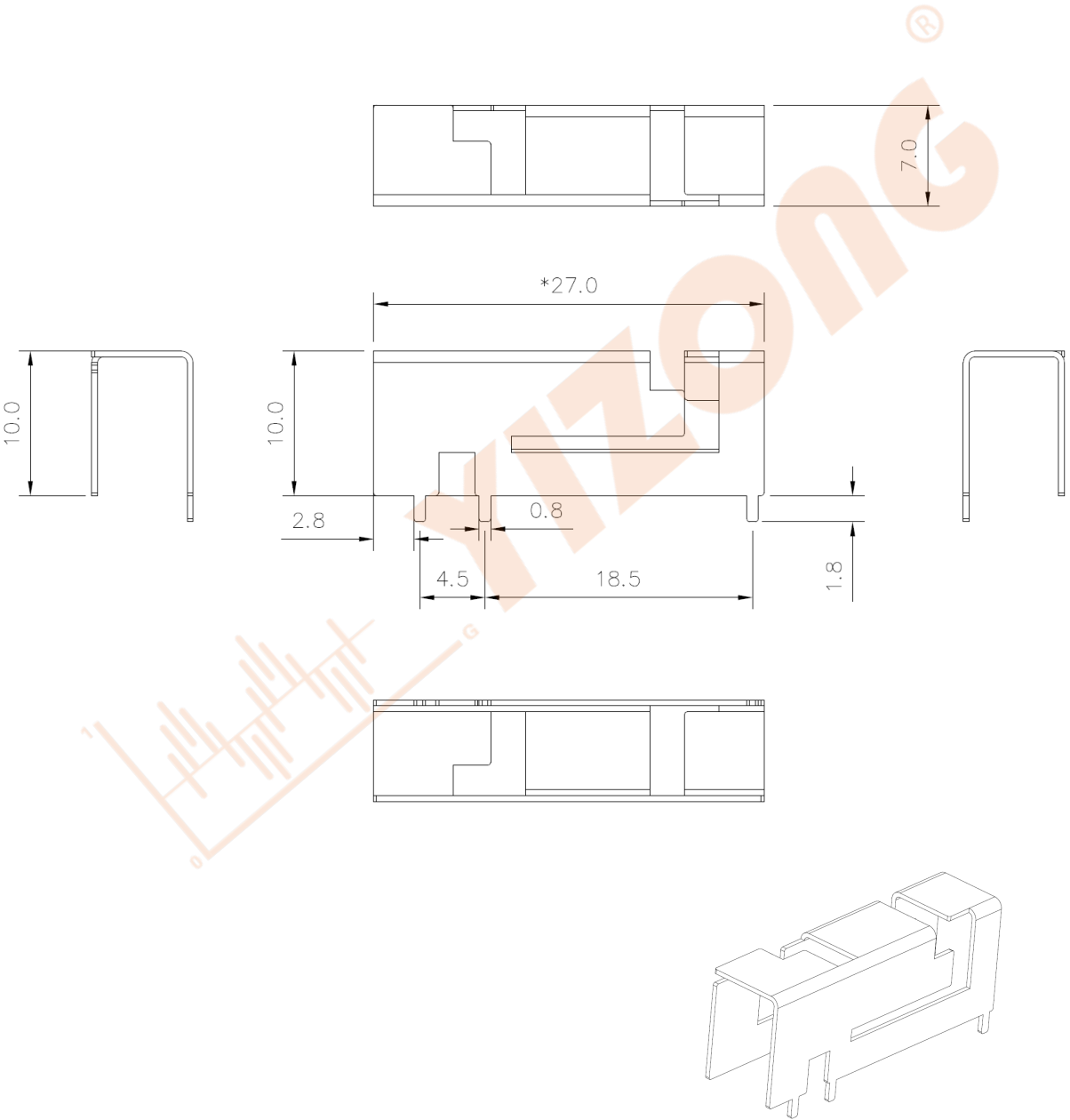


Radiation Pattern at 2170 MHz of Antenna.



Radiation Pattern at 2700 MHz of Antenna.

3. MECHANICAL DRAWING



4. Recommended PCB Pattern

