

# OPT1-ANT-450M-30

LTE450 Magnetic Mount Antenna

## Key Features

### LTE450

- 410-496 MHz

Magnetic Mount

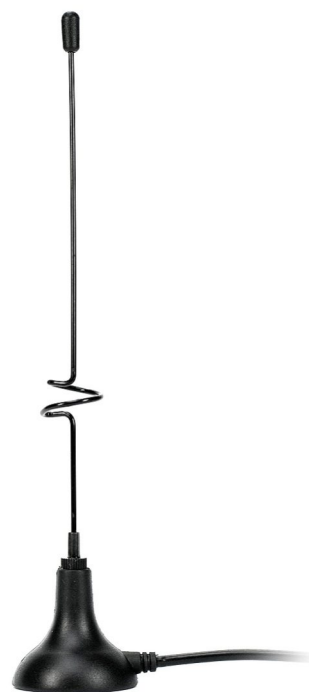
High Gain

Ground Plane Dependent

Dimensions Ø 31 × 164 mm

Length of cable 300 cm

SMA-Male Connector



## 1. Antenna and electrical specifications

Parameters	LTE450 Antenna
Standards	LTE Band 450
Band (MHz)	450 MHz
Frequency (MHz)	410-496
Return Loss (dB)	~-12.1
VSWR	~1.8:1
Efficiency (%)	~61.8
Peak Gain (dBi)	~3.0
Average Gain (dB)	~-2.1
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	50
Connector Type	SMA-Male Gold
Cable Length	300 cm Standard
Cable Type	LL100 Standard

### Antenna Measurement Conditions:

Mounted on 60 x 60 cm Metal Plate

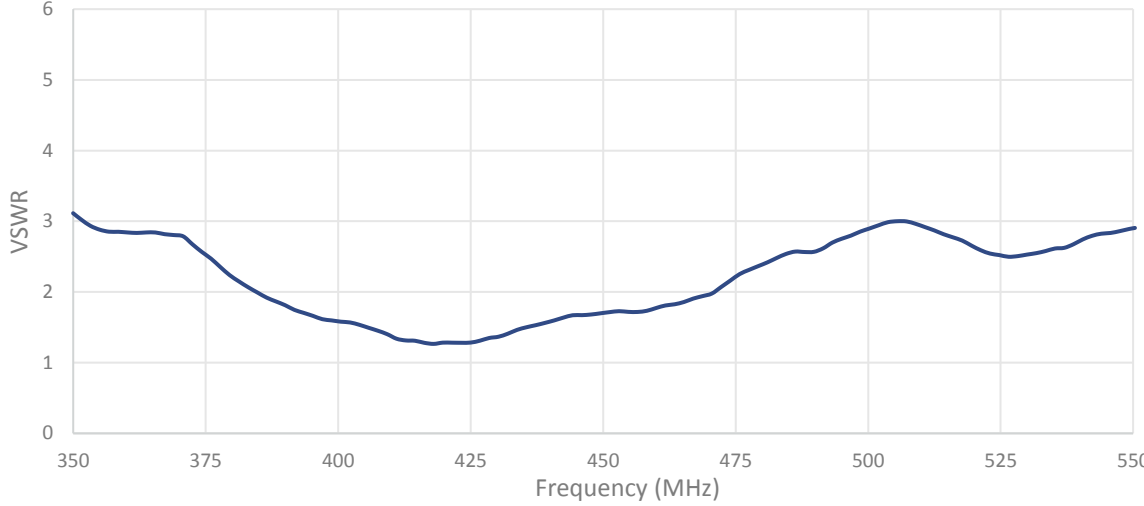
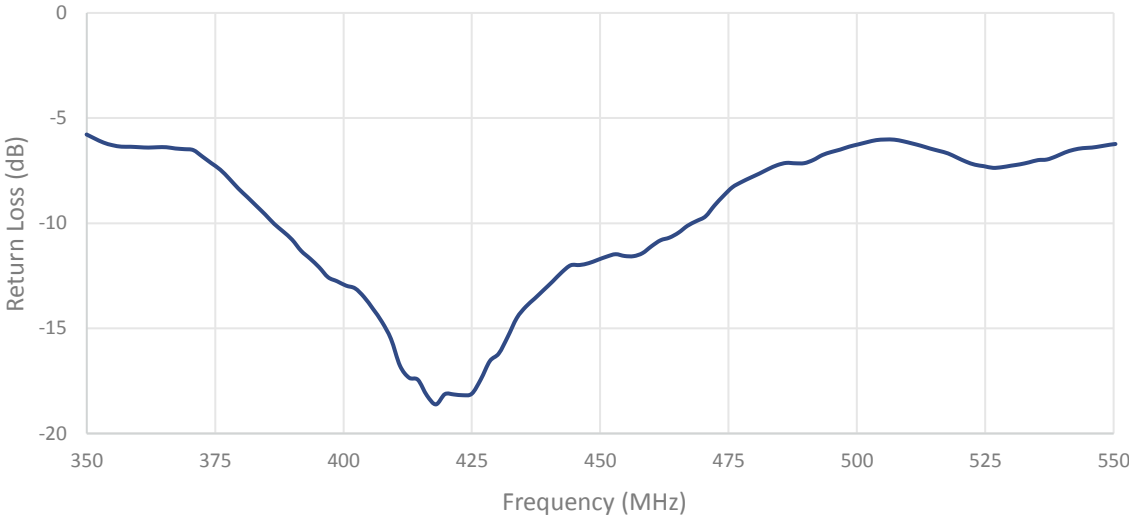
200cm of LL100 Cable

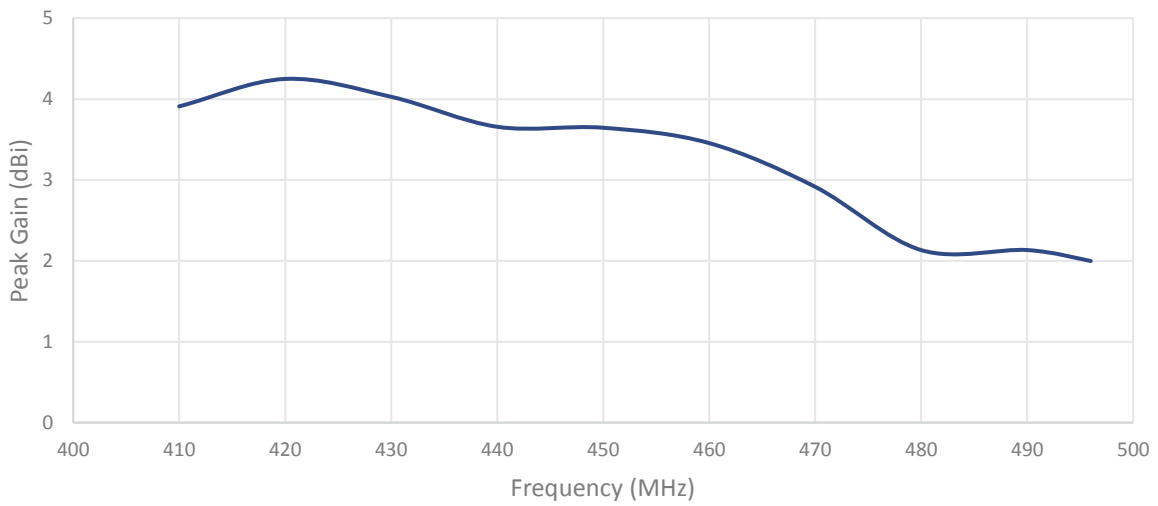
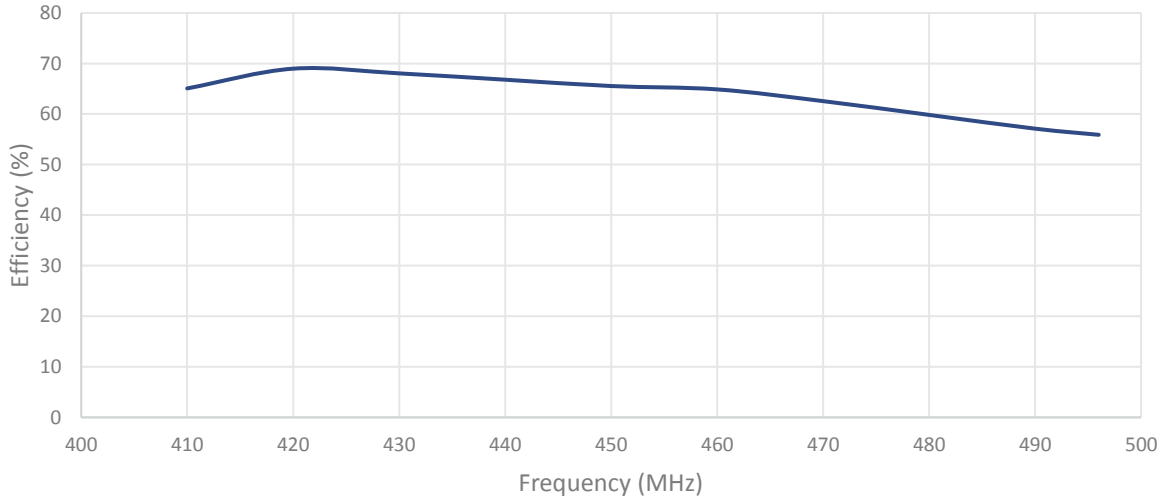
Measured in Certified CTIA 3D Anechoic Chamber

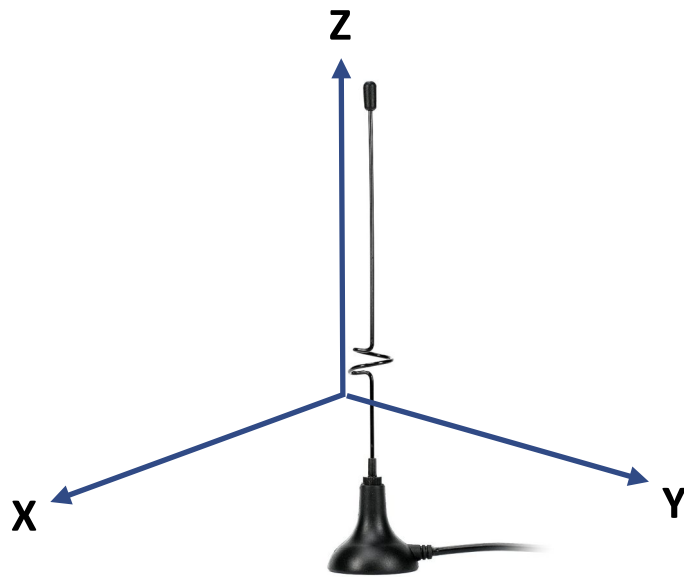
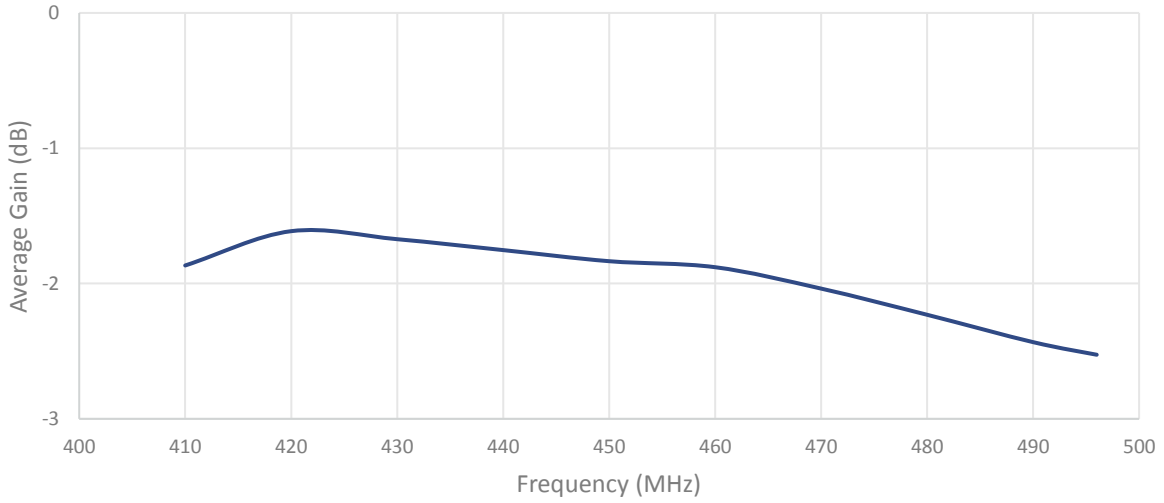
## 2. Mechanical and environmental specifications

Specifications	OPT1-ANT-450M-30
Mounting Type	Magnetic Mount
Dimensions (mm)	Ø 31 × 164
Radome	ABS/TPE
Radome color	Black
Antenna Base	Zamak
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

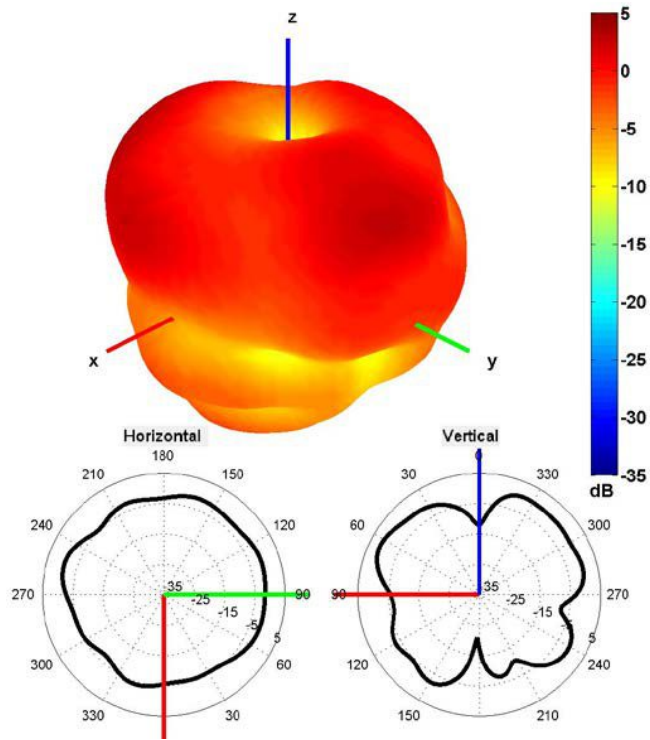
## 3. Antenna parameters





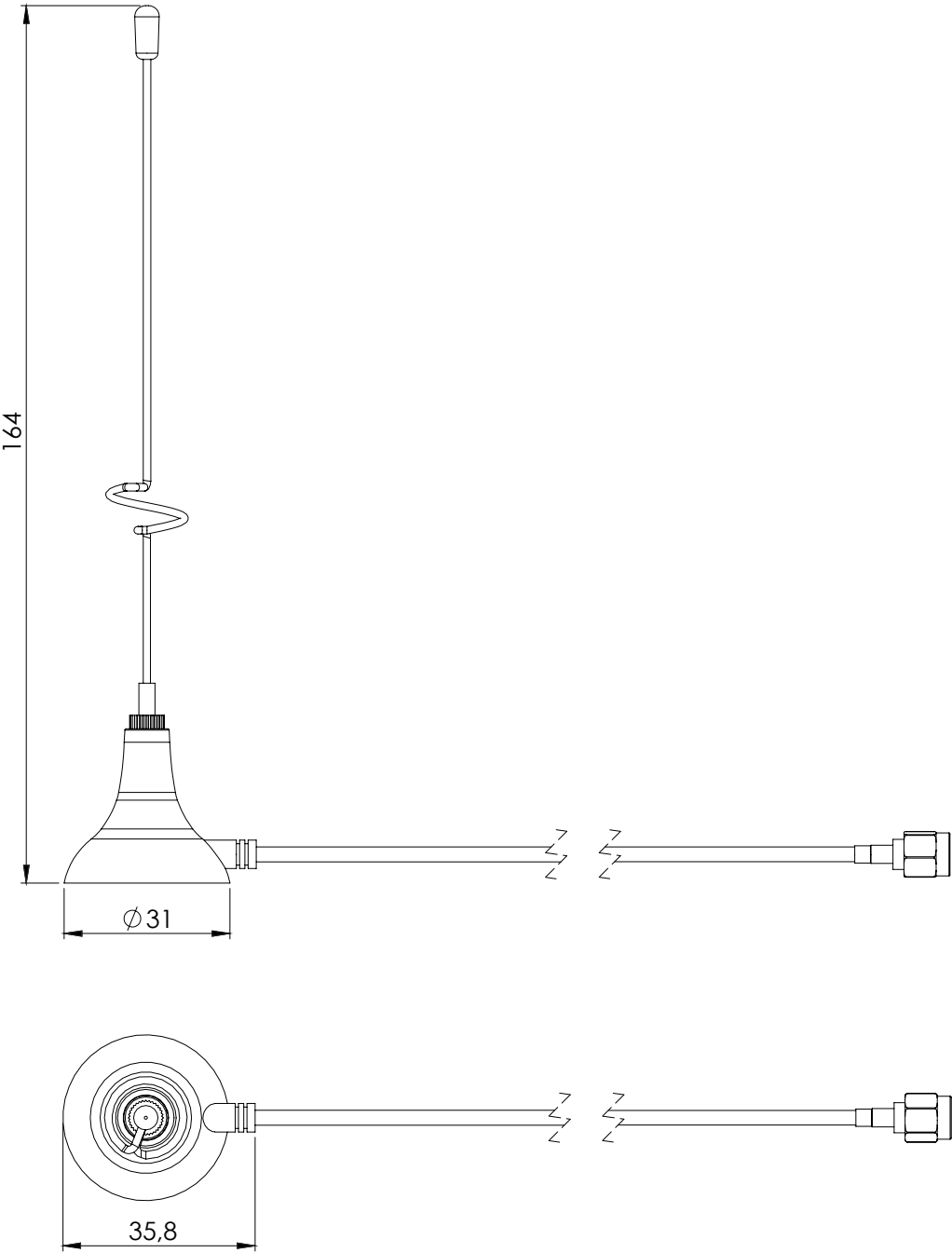


Radiation pattern reference



450 MHz Radiation pattern

## 4. Antenna drawings



5. Antenna Images

