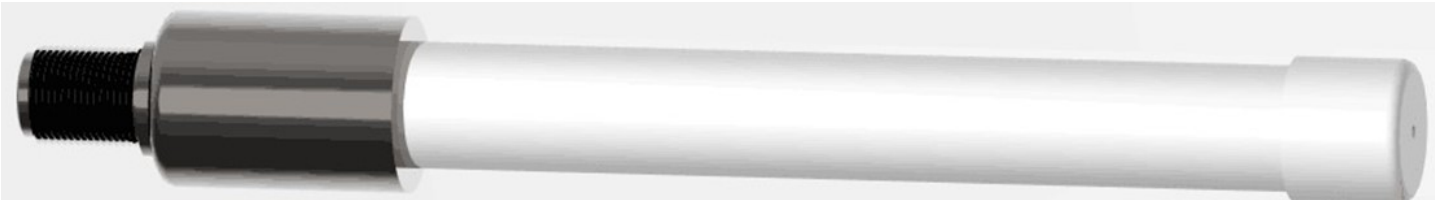


ROSA-698/2700-SNF **RFMAX**

High Performance Outdoor Omni
Antenna for 3G/4G/LTE Modems,
Gateways & Routers

Series: ROSA



The ROSA-698/2700-SNF is an Omni-directional high performance antenna for the (698-960MHz, 1710-2180MHz , 2490-2700MHz) LTE band. This antenna was Designed for full outdoor installation.

Features:

The Model ROSA-698/2700-SNF Dipole Antenna is defined by the following features:

- Omni-directional dipole antenna
- LTE Band Coverage (698-960MHz, 1710-2180MHz , 2490-2700MHz)
- 2.6 dBi @760MHz, 3.6 dBi @1910MHz, 2.4 dBi @2550MHz nominal peak gain
- High efficiency
- Tested and approved for use with all major Cellular Carriers in USA & Canada: AT&T, Verizon, T-Mobile, Sprint, Rogers, Bell, Telus
- Tested and approved for use with all major modem/gateway/router makers: Cradlepoint, Sierra Wireless, PepLink, Digi, MultiTech, Moxa

www.rfmax.us

info@rfmax.us

www.rfmax.us

Rev. 02/2018



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Specifications and Interface

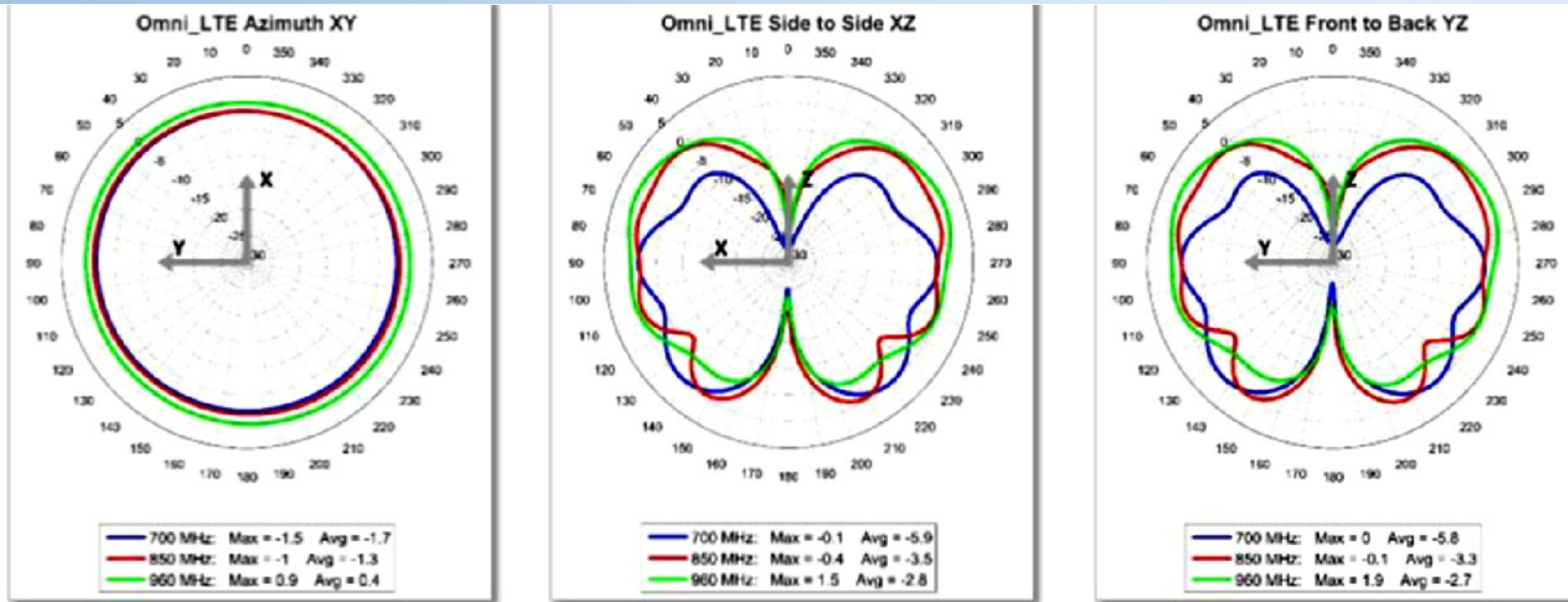
Standard	LTE Band
Frequency range	698-960MHz, 1710-2180MHz , 2490-2700MHz
Nominal peak gain	2.6 dBi @760MHz, 3.6 dBi @1910MHz, 2.4 dBi @2550MHz
VSWR	< 2.5:1
Feed impedance	50 ohms
Power handling	5 Watts
Interface	50 ohms, N-type (F)
Enclosure rating	Weather resistant UV stable
Antenna dimensions	Φ28.0mm×300mm
Temperature range	Operating -40°C to +85°C Storage -40°C to +85°C
Environment	Outdoor Mounted Upside Down
Humidity Range	5 to 100%
RoHS	RoHS compliant

ROSA-698/2700-SNF **RFMAX**

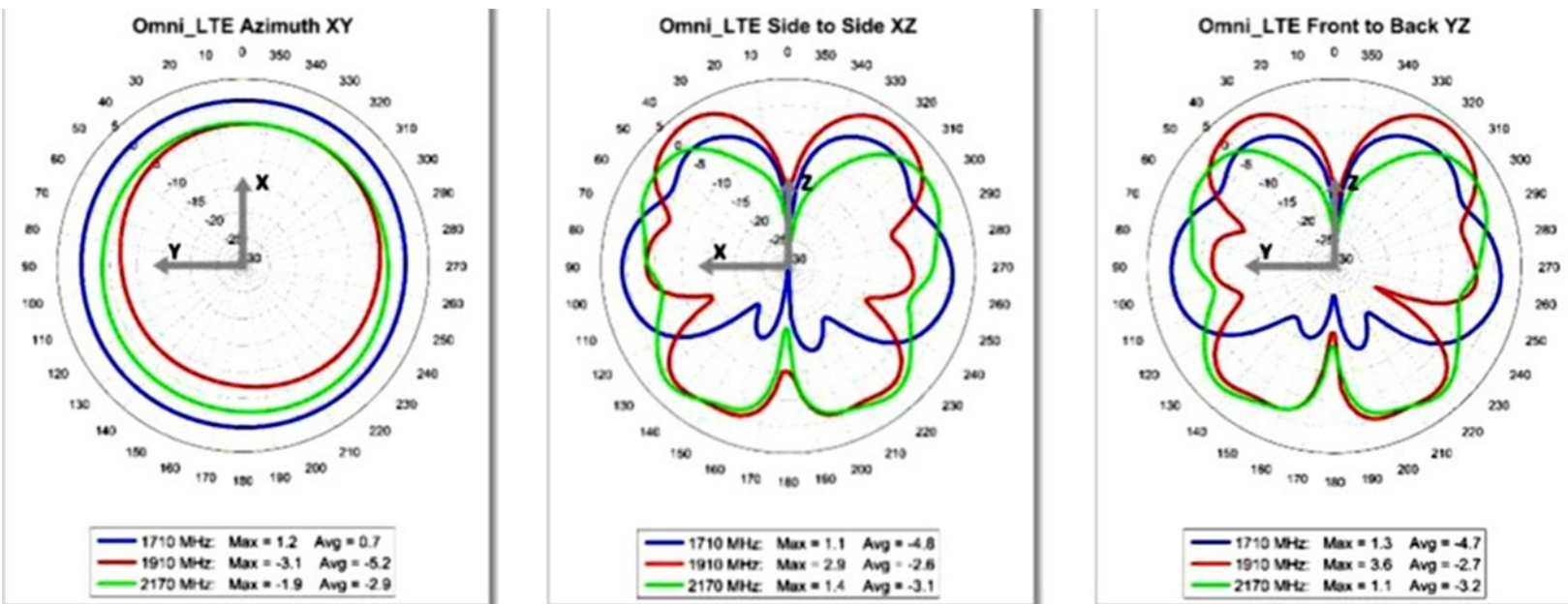
High Performance Outdoor Omni
Antenna for 3G/4G/LTE Modems,
Gateways & Routers

Series: ROSA

Radiation Patterns – Vertical Mounting



Measured Radiation Patterns at 960MHz



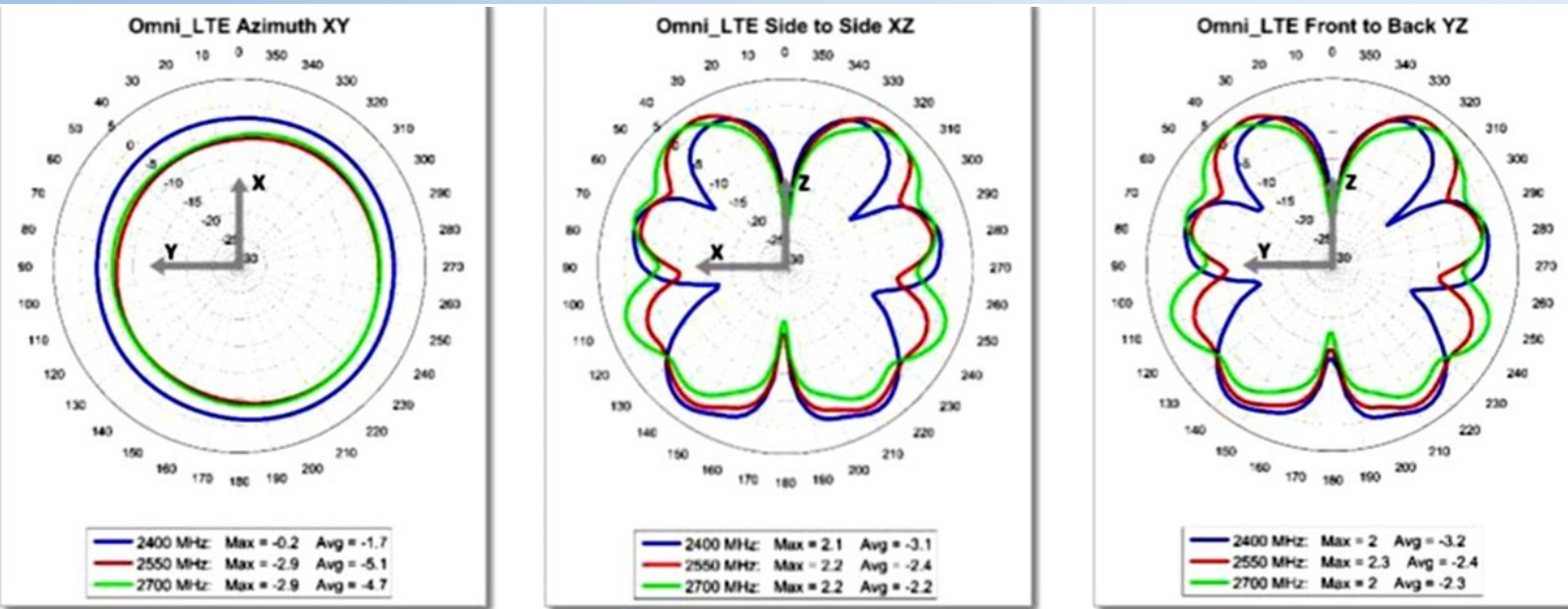
Measured Radiation Patterns at 2170MHz

ROSA-698/2700-SNF **RFMAX**

High Performance Outdoor Omni
Antenna for 3G/4G/LTE Modems,
Gateways & Routers

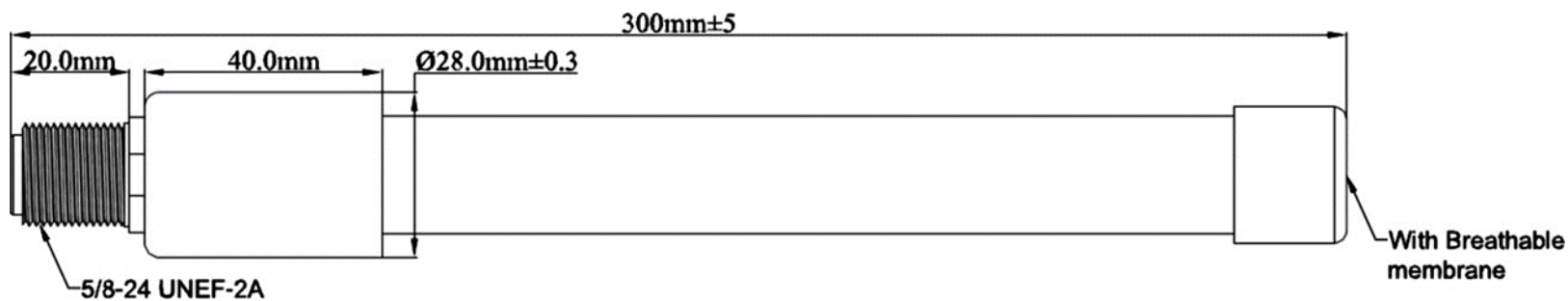
Series: ROSA

Radiation Patterns – Vertical Mounting



Measured Radiation Patterns at 2700MHz

Dimensions



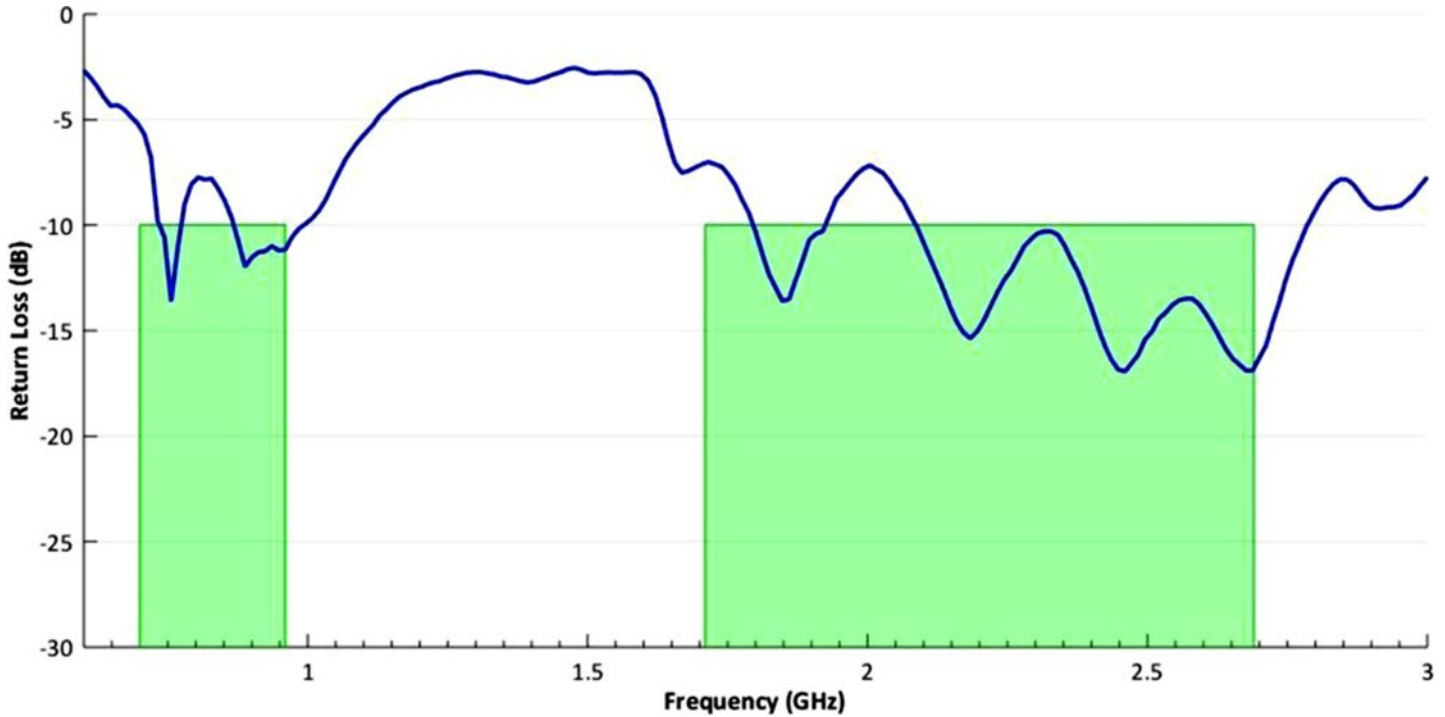
Unless otherwise specified, tolerances are $\pm 2\text{mm}$

ROSA-698/2700-SNF **RFMAX**

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Gateways & Routers

Series: ROSA

Return Loss



Installation

The ROSA-698/2700-SNF antenna is design for remote mount, or direction mount applications. The base of the antenna is designed to accommodate a standard pole or wall mount clamp. This antenna can be mounted in either orientation, upwards or downwards facing. When installation is outdoors, it is recommended to use butyl tape to seal any N-connectors.