



Your antenna design partner

CoreloT SMA Stub 3G Antenna DataSheet

Datasheet

COREIOT SMA STUB GSM 3G/4G ANTENNA DATASHE

Introduction

The CoreIoT SMA Stub GSM 3G Antenna is a high efficient SMA-mount GSM 3G band antenna operating in the bands 850/900 and 2100MHz. The high efficiency and high gain design provide the antenna consistent and stable connectivity. The antenna housing consists of black UV resistant plastic, IP 56 rated housing, and a SMA male connector. The small size and high performance make this antenna and ideal solution for many type of applications.

Features

1. Passive Antenna
2. 4G, GSM 850/900 and 2100MHz,
3. Size of antenna:50mm, Ø10mm(Including Connector)
4. Efficiency > 51%
5. Peak Realized Gain: 3.9dBi
6. Linear Polarization
7. SMA Connector(Male)

Applications

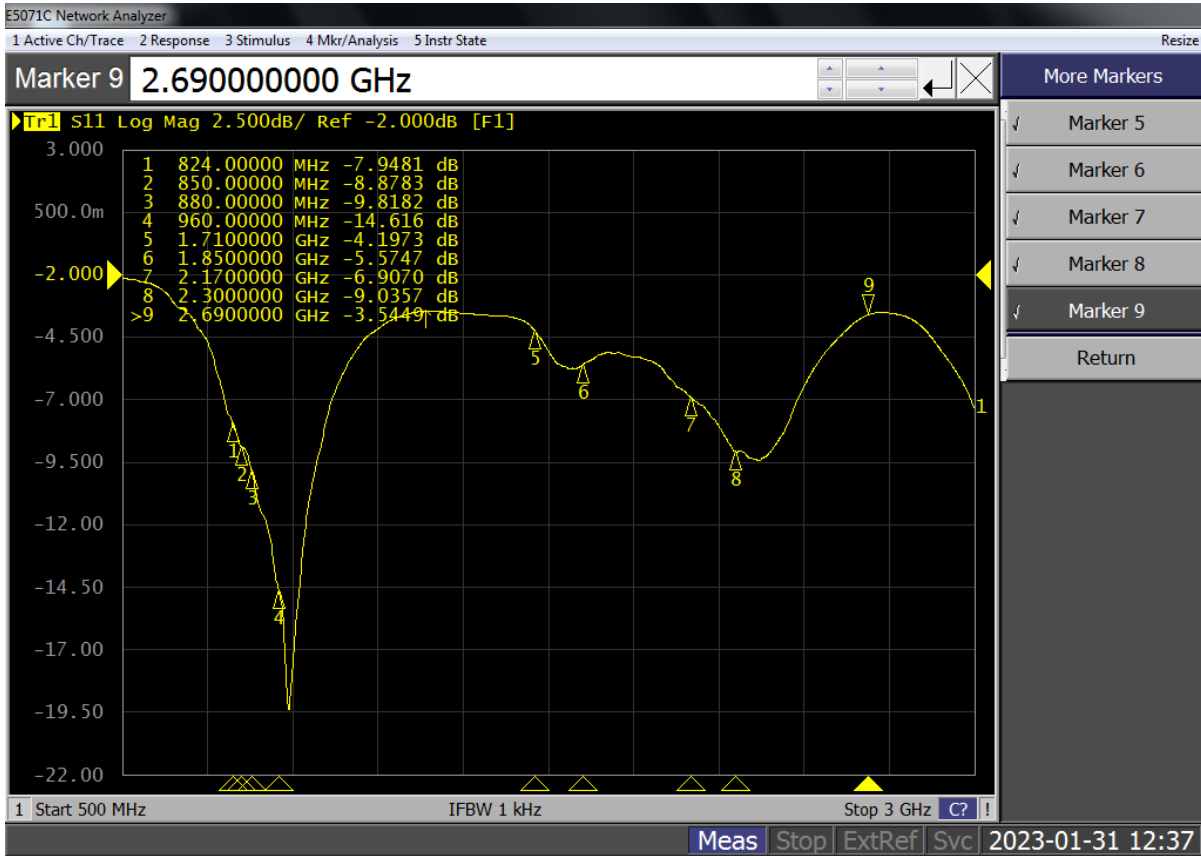
1. In-and-Outdoor
2. Telematic Application
3. Remote monitoring
4. IoT Applications
5. Industrial Controls



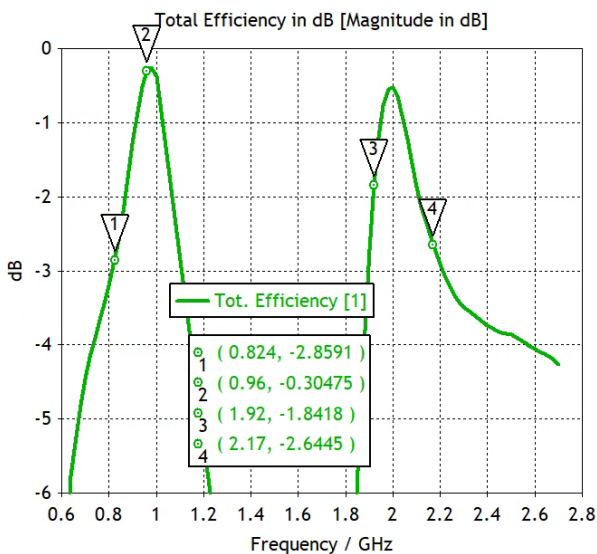
BAND	850/900 and 2100MHz
Frequency(GHz)	824-960; 1920 - 2100
VSWR	824-960 < 2.3 1920 - 2100 < 3.5
Return loss (dB)	824-960 < -7.9 1920 - 2100 < -5
Peak gain(dBi)	824-960 : 3.9 1920 - 2100 : 4.5
Efficiency(%)	824-960 > 51 1920 - 2100 >54
Radiation properties	Omni-Directional
Max. input power	5W
Polarization	Linear Polarized
Impedance(ohms)	50

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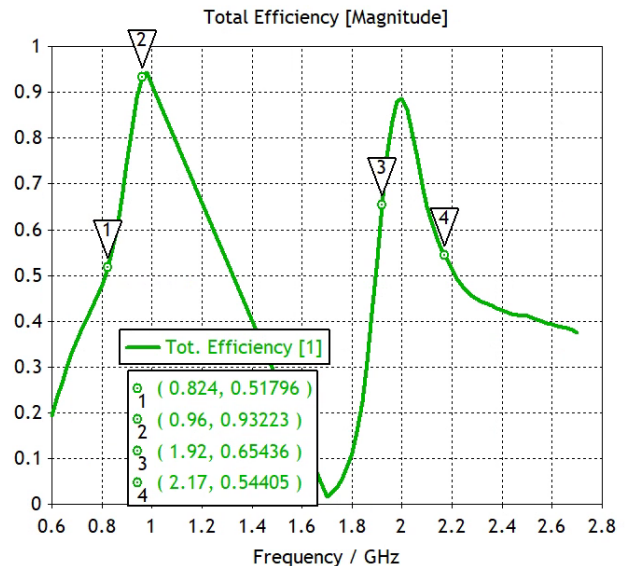
Return Loss



Total Efficiency



In dB Scale

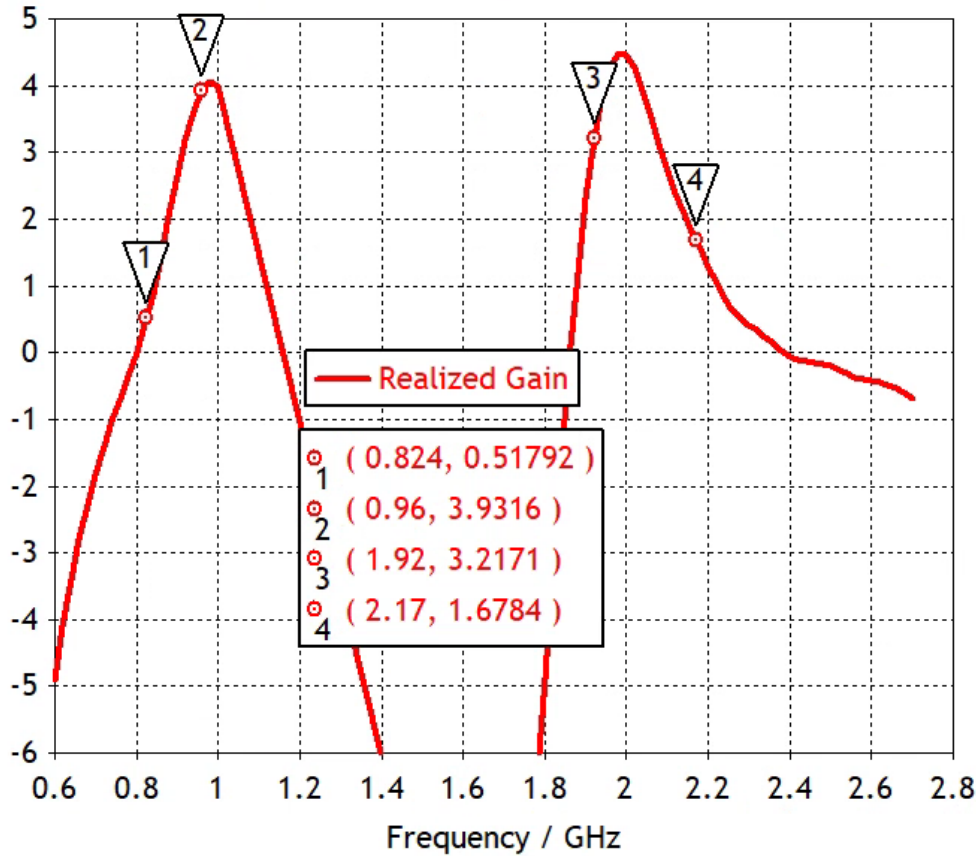


In Linear Scale

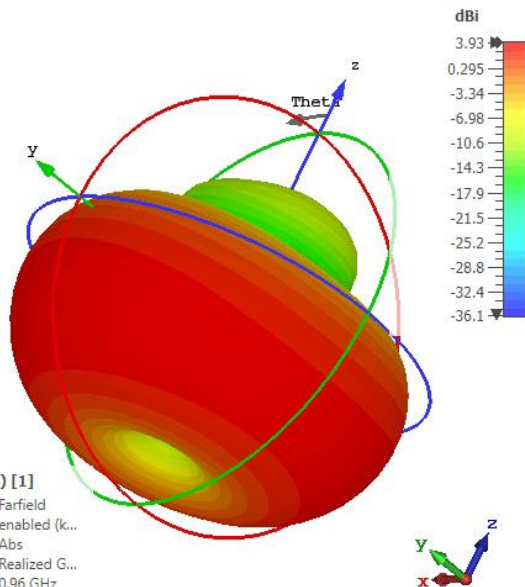
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Realized Gain

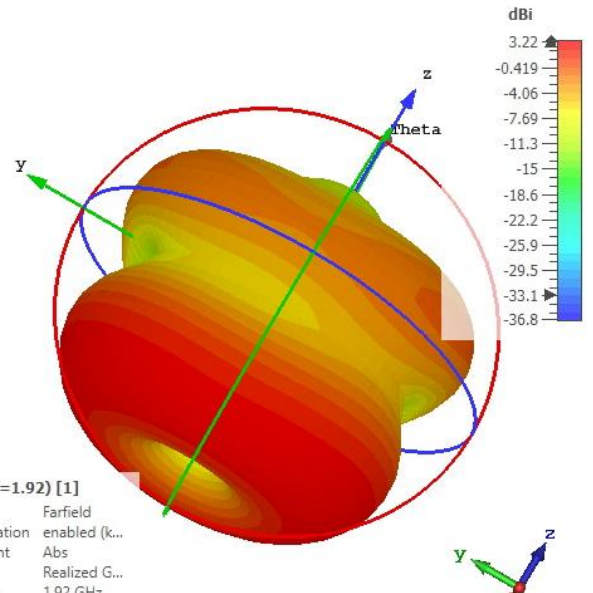
Realized Gain



Radiation Pattern



960MHZ



1920MHZ