

aiTalk 860-928MHz Antenna Specification

Product Overview

Item	Description
Product Name	aiTalk TurMass Antenna
Model Number	aiTalk-TM-860928
Application	aiTalk TurMass Series Devices, UHF Band Wireless Communication

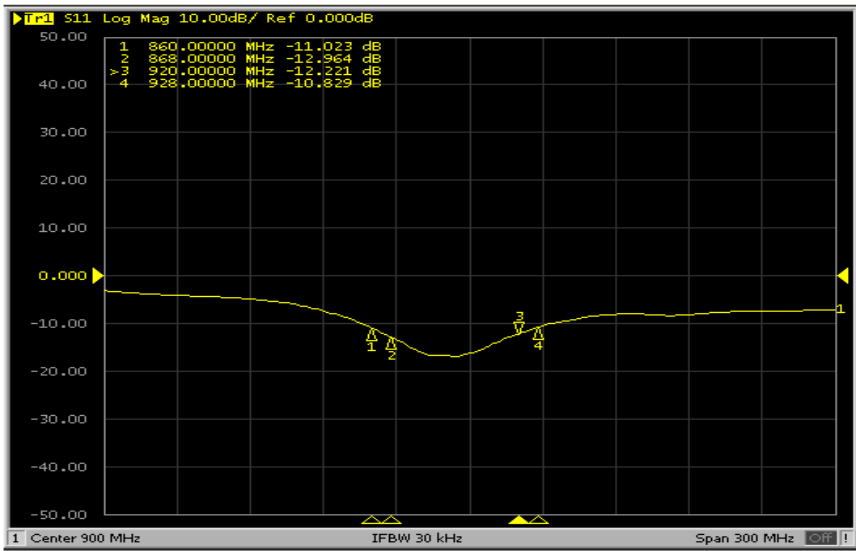
Electrical Specification

Parameter	Specification
Freq Range	860 - 928 MHz
Gain	0dBi (max)
Return Loss	$\leq -10\text{dB}$
Impedance	50 ohm
Polarization	Vertical
VSWR	$\leq 1.8:1$
Maximum Input Power	2 Watts (Continuous Wave)
Operation Temperature	-40~85°C
Antenna Efficiency	$\geq 25\%$

Electrical Characteristics

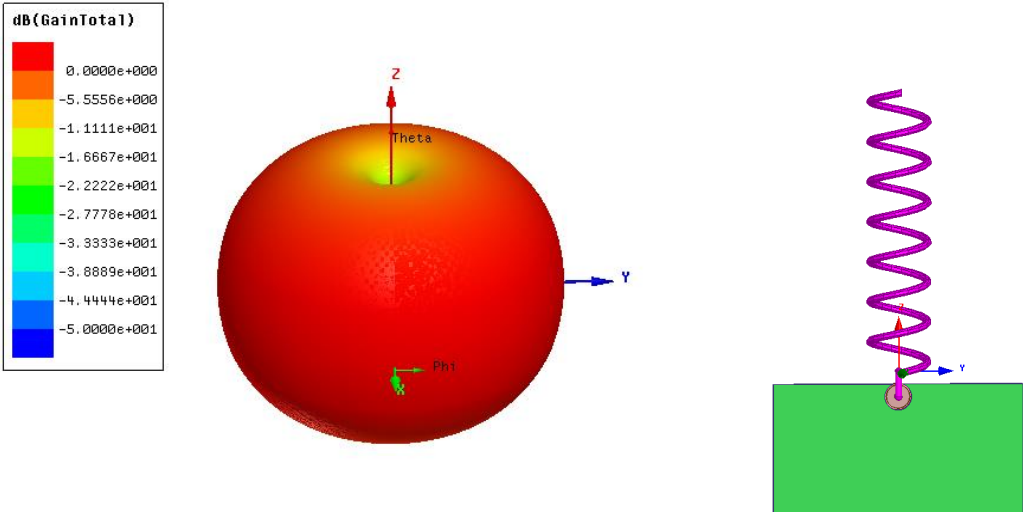
1:Return Loss

Frequency (MHz)	S11 (dB)
860	-11.0
868	-12.9
920	-12.2
928	-10.8



2:Radiation

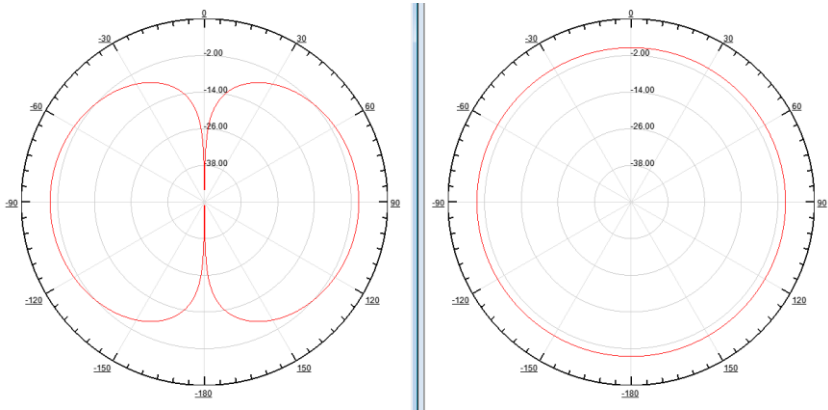
Frequency	868MHz
Peak gain	0dBi



3:

V-Plane

H-Plane



Antenna Configuration

Helical Antenna Dimensions (Length×Diameter): 33 mm × 7.5mm

