MID-N2101

PN: SZ21486IB77-3

Key features:

- Antenna for 2400~2500MHz
- Sustained High Efficiency and Performance.
- Impedance 50 Ohm.

Typical applications:

- Smart Home.
- Gateways.
- Routers.
- Connected Agriculture.
- Others.

Sunnyway Technology

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1. Introduction

The Sunnyway MID-N2101 is a 2.4G BT terminal mount antenna. At just 48.6mm in height and 8mm indiameter. It is ideal for applications such as Bluetooth, BLE, ZigBee and Wireless LAN. The MID-N2101 designed for superior performance and reliability, has an omnidirectional radiation pattern and extremely high efficiency and gain on both the 2.4 GHz bands.Typical applications:

- Smart Home.
- Gateways.
- Routers.
- Connected Agriculture.
- Others.

2. Electrical Specification

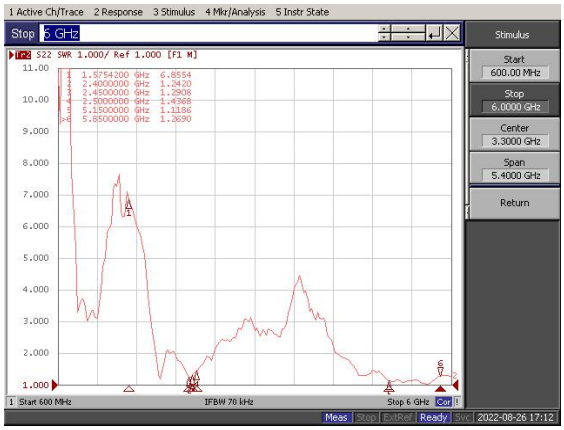
Standard	2.4G BT
Frequency range (MHz)	2400~2500MHz
Peak Gain (dBi)	1.7~3.2
VSWR	< 1.5
Efficiency (%)	50%~60%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50

3. Mechanical and Environmental Specification

Mounting Type	Connector Mount
Connector Type	RF 1
Antenna size(mm)	36.65*10.7mm
Material	FPC
Operating Temperature (˚C)	- 30 ˚C ~ + 65 ˚C
Storage Temperature(˚C)	- 30 ˚C ~ +65 ˚C

4. Antenna parameters

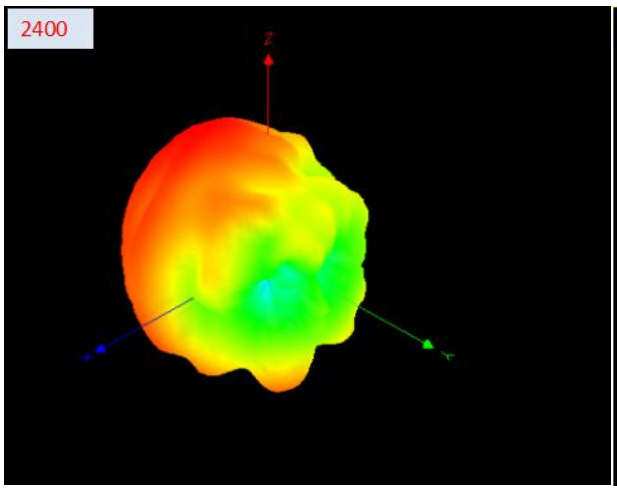
4.1 VSWR

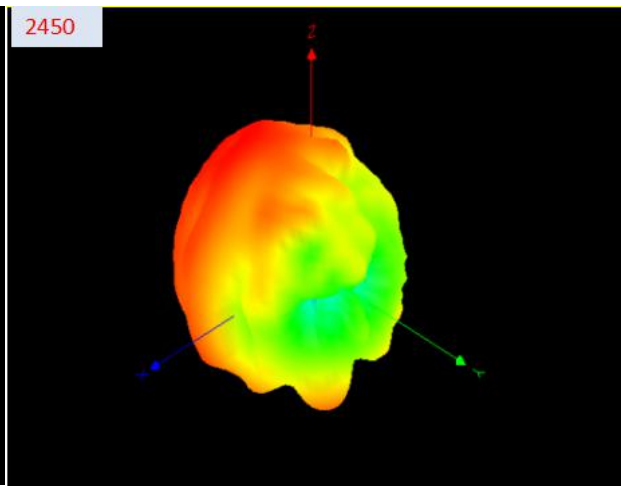


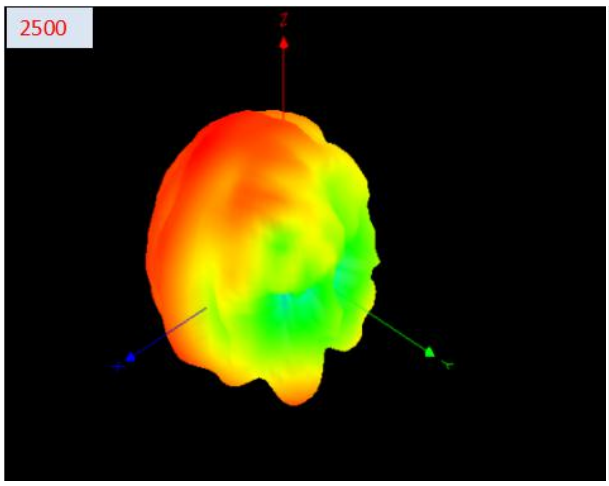
4.2 Efficiency and Gain

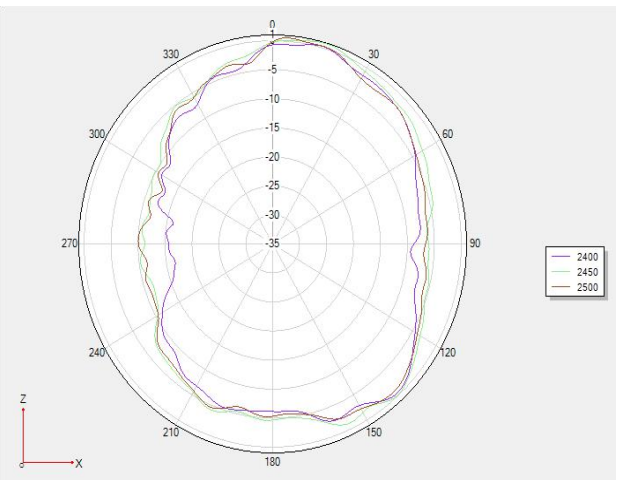
Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	53.95	2.09
2410	53.45	2.09
2420	53.45	1.7
2430	55.08	2.64
2440	56.24	2.63
2450	56.67	3.23
2460	56.24	2.95
2470	54.87	2.8
2480	55.5	3.15
2490	53.95	2.81
2500	55.39	3.09

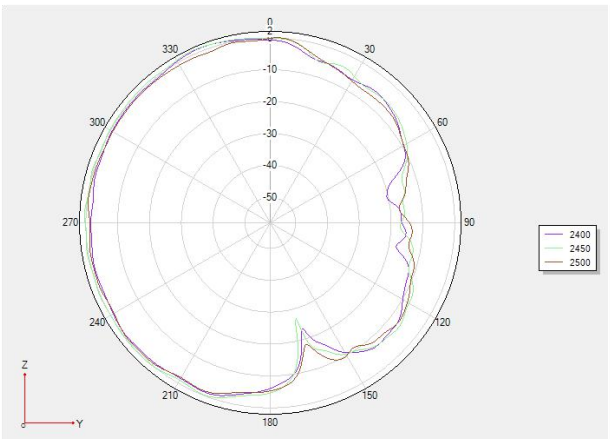
4.3 Directional pattern

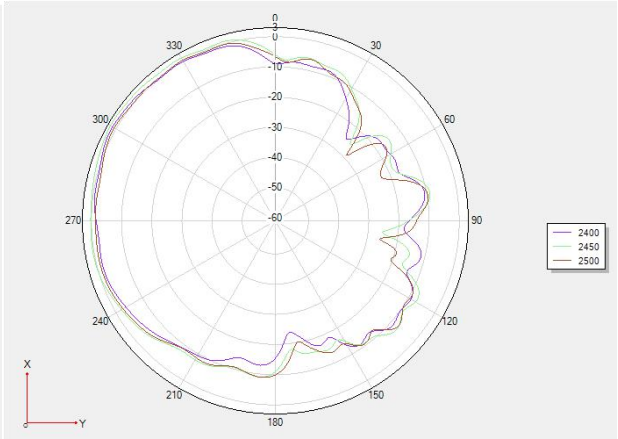












5. Antenna Drawing(Unit:mm)

Unit:mm