

HT-G-W-005 LoRa Antenna

420-480/860-930MHZ 3 /5.8 /8DBi Fiberglass Omni Antenna



◀ Fiberglass antenna



▲ Magnetic base

1. Product Overview:

Features:

Universal N type connector

Comes with heavy-duty installation kit

24/7 operation

Compact and lightweight design

Durable UV stabilized fiberglass radome

Typical application:

2.4GHz ISM band

IEEE 802.11b, 802.11g, 802.11n wireless LAN

Bluetooth® and public wireless hotspots

WiFi and 2.4 GHz wireless video system

The 2.4GHz omnidirectional antenna is very suitable for point-to-multipoint applications with 360-degree coverage. The antenna is specially designed for outdoor use. It uses a sturdy FRP cover and is equipped with a heavy-duty installation kit. It is easy and quick to install. It is durable and reliable. Suitable for outdoor deployment in the harshest weather conditions.



GAIN: 3 / 5.8 / 8DBI



Far Transmission



Water proof



Dual frequency



High efficiency gain

CUSTOMIZABLE TO OTHER SIZES



PRODUCT INFORMATION AND SUPPORT

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Information Note

Gain: 3 / 5.8 / 8 dBi

Polarization Type: Horizontal / Vertical

Radiation: Directional

Maximum Input Power: 50W

RI Input Impedance: 50 Ohms

VSWR: ≤ 2.5

Frequency Range: 420-480MHz / 860-930MHz

Length: 300mm / 500mm / 1100mm / Customizes



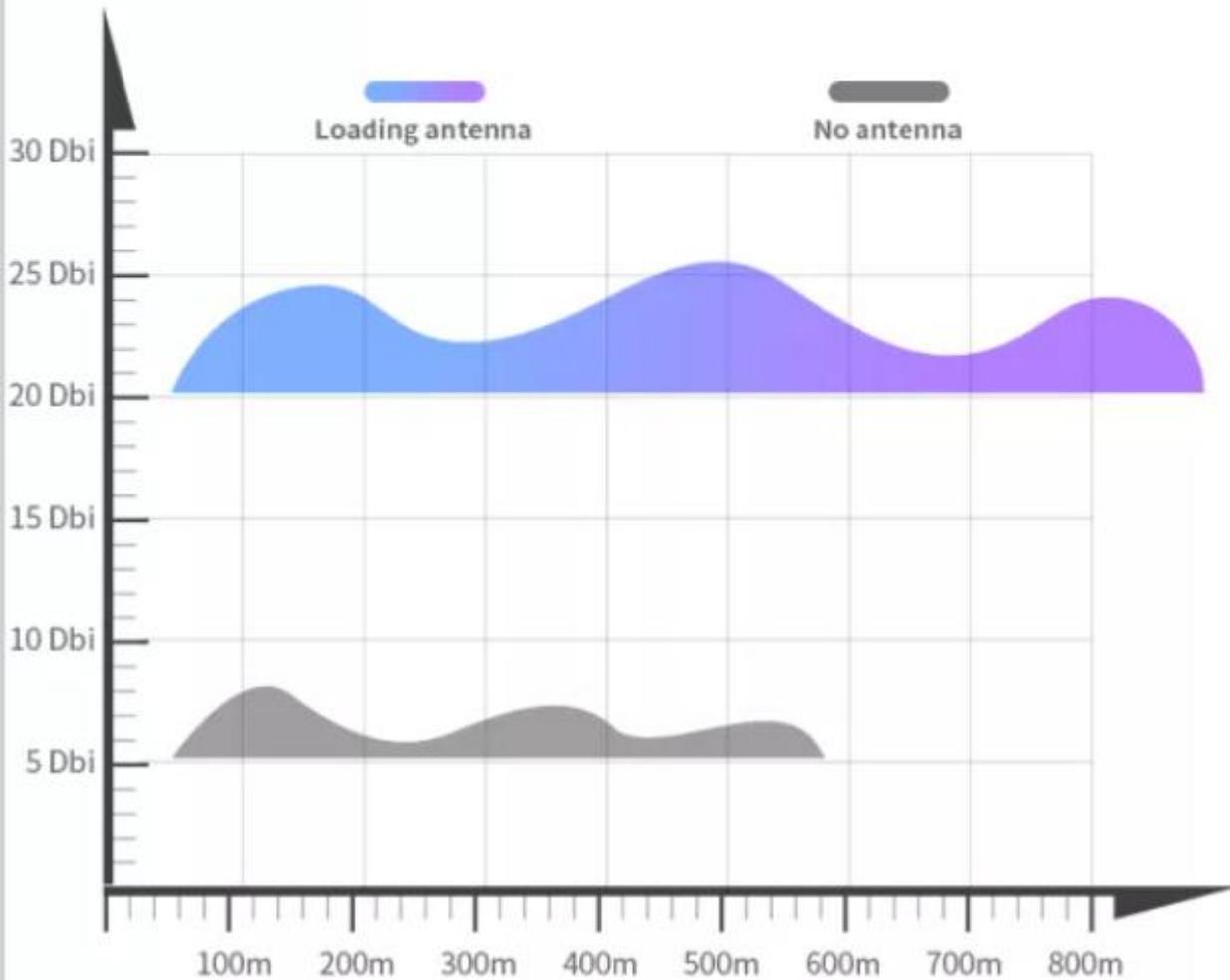
2. Specifications:

Main technical specifications			
Frequency range (MHZ)	420-480/860-930MHZ	Frequency Range (MHZ)	420-480/860-930MHZ
The characteristic impedance(Ω)	50	Impedance(Ω)	50
Gain(dBi)	3 /5.8 /8	Gain(dBi)	3 /5.8 /8
The output voltage Standing wave ratio	$\leq 2.5+0.02f$	VSWR	$\leq 2.5+0.02f$
Polarization Type	Horizontal/Vertical	Polarization	Horizontal/Vertical
Power Capacity (w)	50	Power Capacity (w)	50
Physical Properties			
Size(cm)	30/50/110	Antenna size(cm)	30/50/110
The Connection method	N Male/N Female (Customized)	Connector Type	N Male/N Female (Customized)
Color	White/black/gray	Color	White/black/gray

3. Test report:

LONGER TRANSMISSION DISTANCE

≥ 800 m





4. Common issues:

- The antenna frequency must match the frequency of the wireless device, otherwise the communication effect is not good;
- The lower the communication frequency, the longer the wavelength, the better the diffraction performance.
- When there is a linear communication obstacle, the communication distance will be attenuated accordingly.
- Note the antenna radiation direction. Incorrect antenna installation direction may result in a short transmission distance.
- Sea water has a strong ability to absorb radio waves, so the seaside test results are not good;

