

SPECIFICATION

捷揚電 EZcomm Technology Co., Ltd.

Product Description

The GSC-TECH 8 dBi Fiberglass omni directional antenna is specially designed for applications operating in 902-928 MHz frequency, including radio frequency identification (RFID), land mobile, location monitoring systems (LMS), and ISM applications.

It features high gain and is vertically polarized.

Includes a heavy duty mounting bracket and an N-style Jack connector.

1.Product Specifications

Model

Frequency Range 902 ~ 928 MHz

Bandwidth 26 MHz

Gain 8 dBi

Horizontal Beamwidth 360°

Vertical Beamwidth 16°

VSWR ≤ 1.5

Nominal Impedance 50 Ohms

Maximum Power rating 100Watts

Polarization Vertical

Connector N-Style Jack

Length 51.6"/ 131cm

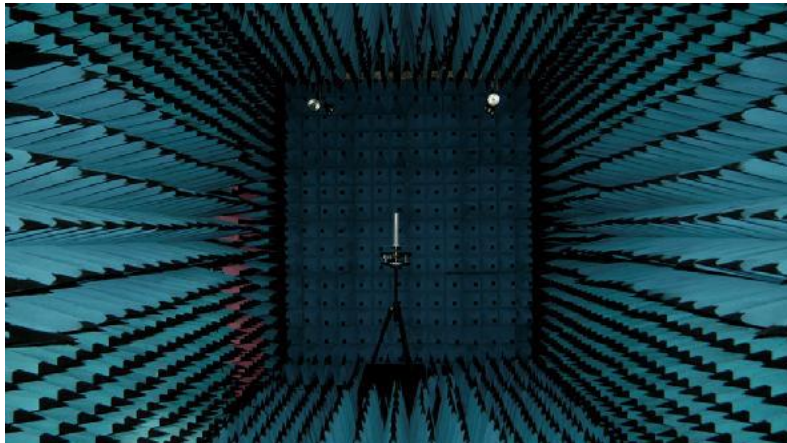
Wind Load 120 mph

Radome White Fiberglass

Mast Mount Diameter $\varnothing 1.5'' \sim \varnothing 2.0''$

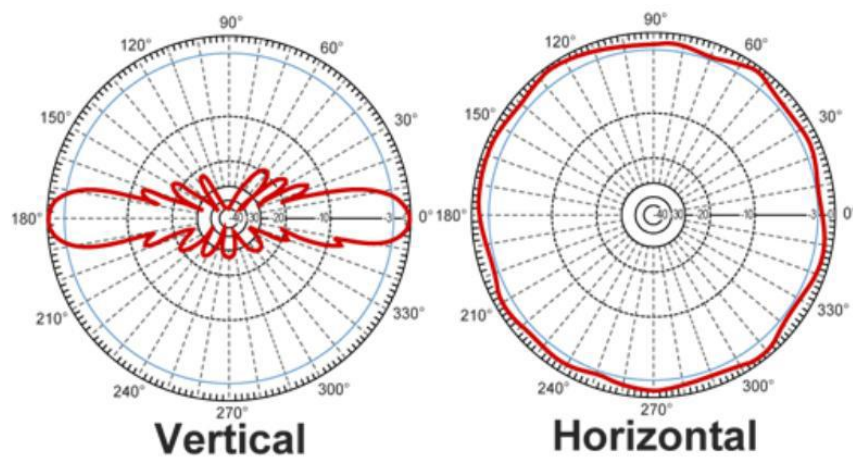
Operating Temperature Range -22°F ~ 158°F

2. Test Condition

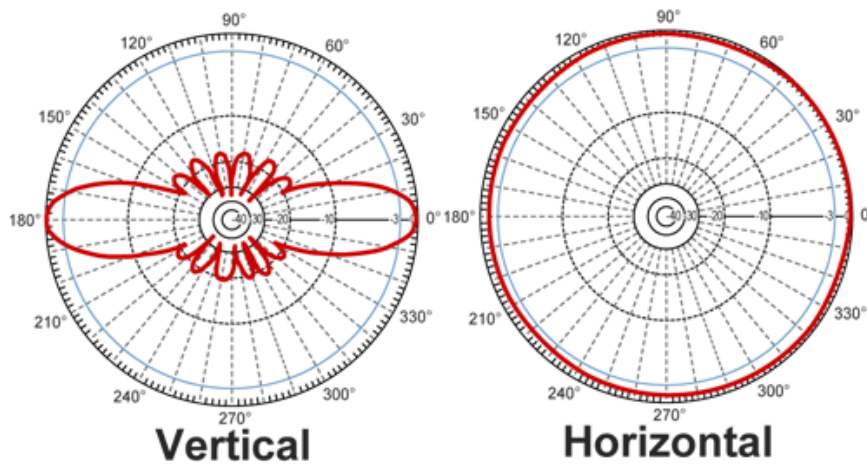


3. Radiation Pattern

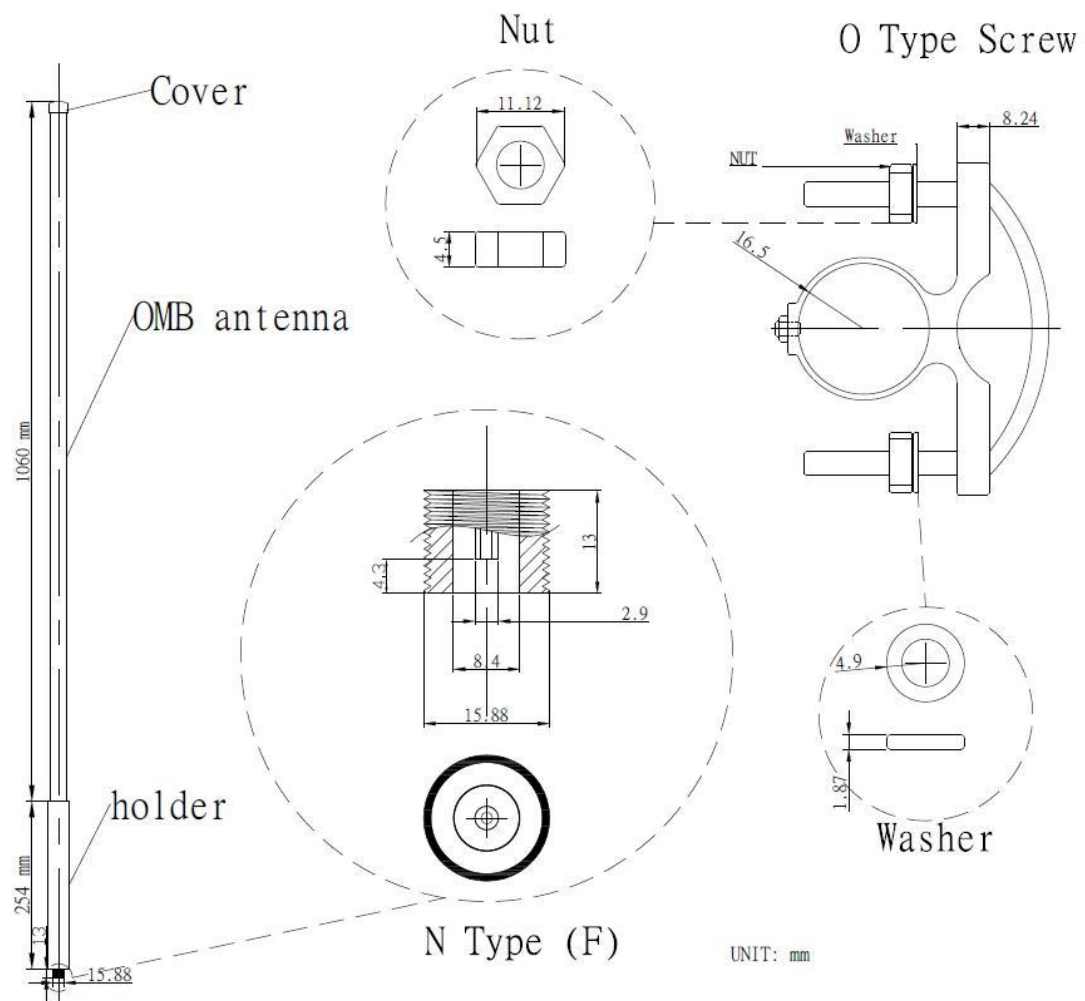
3-1 @902MHz



3-2 @928MHz

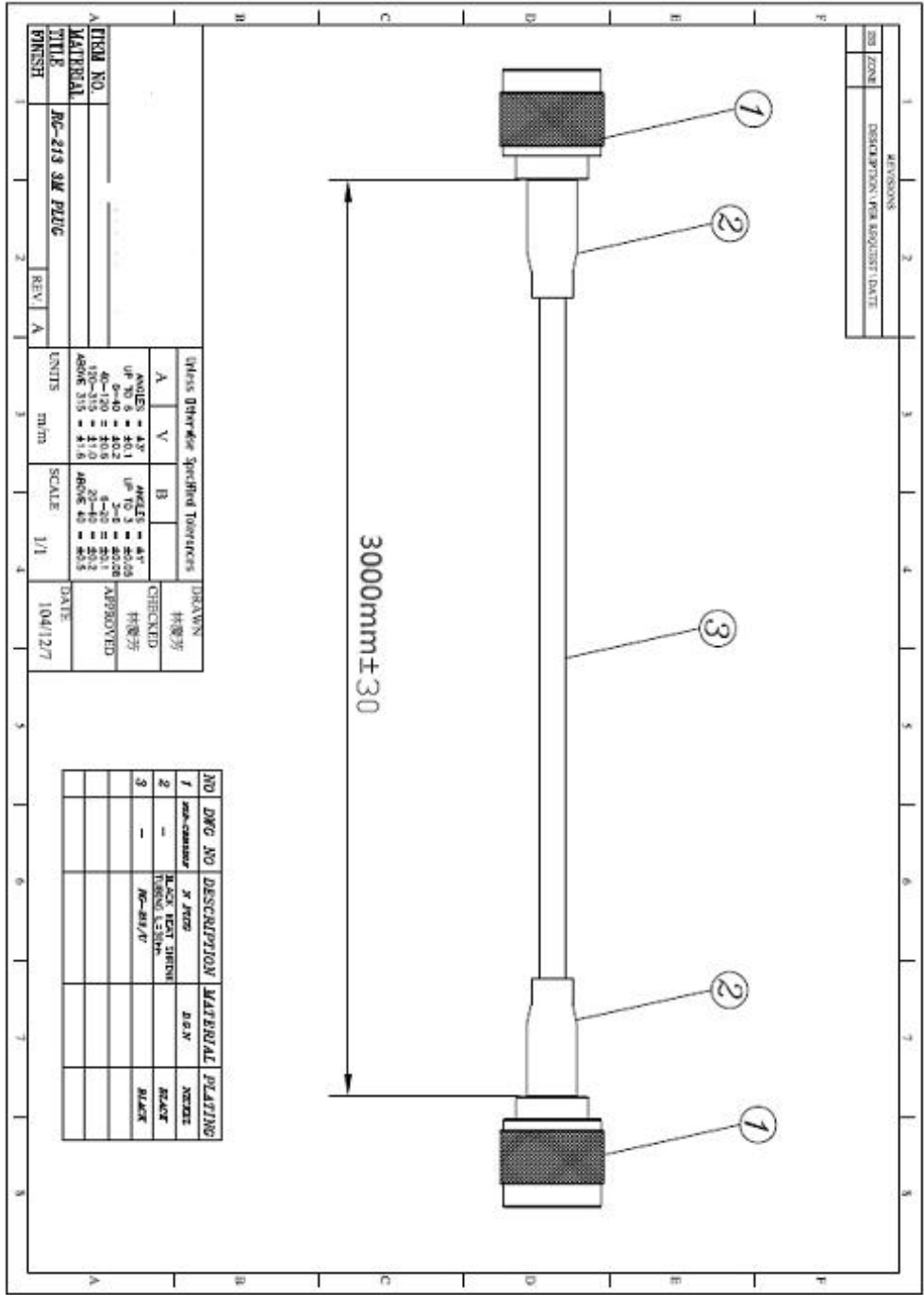


4. Dimension



Omni Antenna 902 ~ 928 MHz Base Station					
1	name	P/N	material	finish	qty
2	QMB Antenna		glass fiber	white	1
3	Cover		Aluminum	silver	1
4	Holder		Aluminum	silver	1
5	N Type (F)		Bress	Ni Plated	1
6	o type Screw		Stainless stell	silver	1
7	M6 washer		Stainless steel	silver	2
8	M6 nut		Stainless steel	silver	2

5.cable



Electrical

Impedance	50 ohm
Frequency Range	0- 6 GHz
Working voltage	1000 vrms max. at sea level
RL	< -10dB@0~5GHz < -7dB @5G~6GHz
Contact Resistance	Center Contact: 3 Millohms Max. Outer Contact: 2 Millohms Max
Insulator Resistance	5000 megohms min

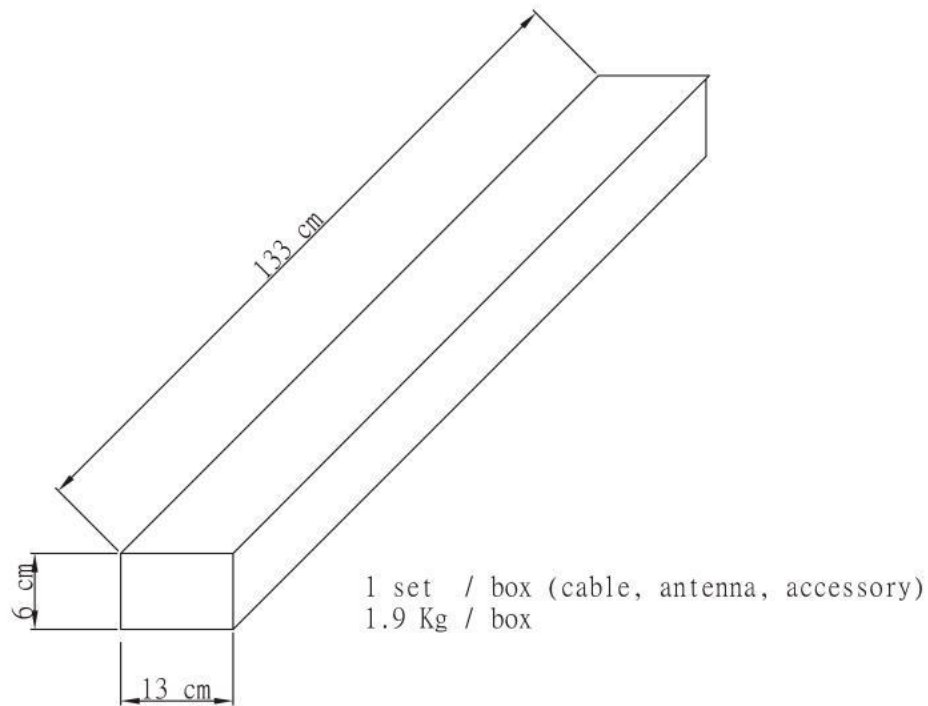
Material

Name	Material	Finish
Connector body	Brass per JIS-C3604BD	Nickel or gold plating
Center contact female	Beryllium copper per Male: Brass per QQ-B-750	Gold plating Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Nickle or Gold

Mechanical

Engage force	6 lbs. max.
Disengagement force	6 lbs. Max.
Contact retention	6 lbs. min
Durability	500 cycles min

6.Package



6.1包裝箱摔落/落下執行標準：

§ 摔落測試共為六個面(faces)四個底角(corners)。

§ 摔落高度要求如下，以包裝的最低點量測。

Gross weight,m，總重量1.9Kg Drop height, 落下高度91cm

§ 摔落試驗後內裝產品不可以有功能及外觀不良，包括不可以有螺絲鬆動或結構破損的情形。

§ 紙箱經摔落後仍能有效的保持封口密合無破裂。落下後其棱邊(Edge)或角(Corner)的地方有凹陷，或落下角(Corner)的鄰近棱邊(Edge)有小範圍破損，或落下面衝擊處有小範圍的損傷都是可以接受的。