858-878MHz 8dBi Fiber Glass Antenna

Features

- Frequency Range: 858~878MHz
- Max Gain: 8.0dBi
- VSWR: ≤ 1.5
- High efficiency
- Vertically polarized dipole
- Easy to mount with the included Installation kit

Figure 1: 858~878MHz 8dBi Fiber Glass Antenna Overview

Specifications

CPN	**905000/905001**
Frequency Range	858MHz~878MHz
Peak Gain	8.0 dBi (±1dBi)
VSWR	≤ 1.5
Efficiency	≤ 69%
Feed Impedance	50 Ohms
Polarization	Vertical
Cover material(color)	Fiber glass (White)
Connector type	N-type male
Dimensions (mm)	Φ25.0mm x 1300.0mm
Operation Temp (°C)	-30°C ~ +65°C
Humidity range	5%~95%

VSWR

Frequency(MHz)	VSWR
858MHZ	1.32
868MHZ	1.19
878MHz	1.21

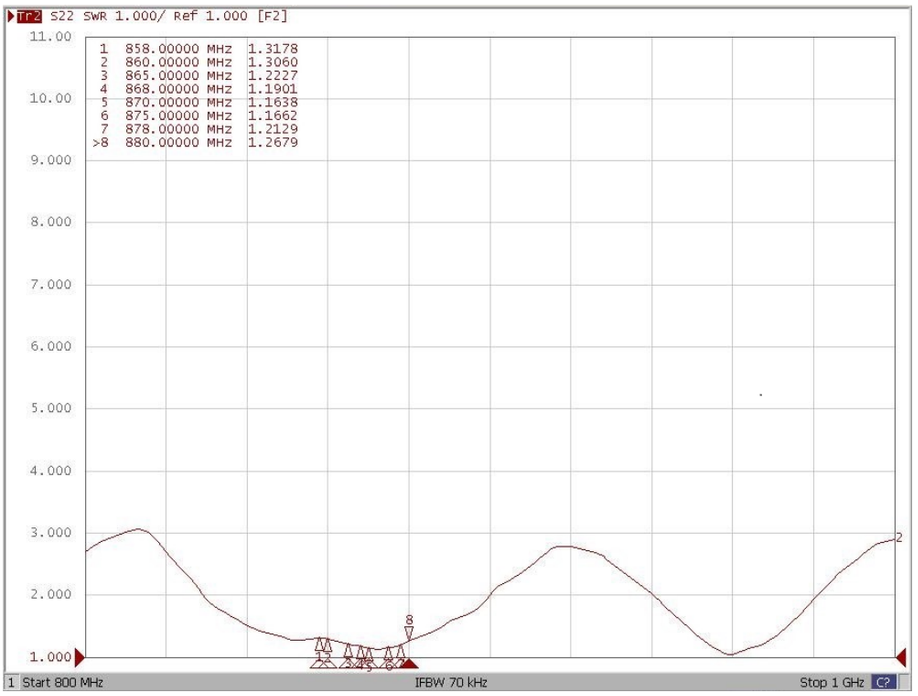

Figure 2: 858~878MHz 8dBi Fiber Glass Antenna VSWR graph

Peak Gain & Efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (%)
858	7.6	69
863	7.5	69
868	7.4	69
873	7.4	68
878	7.4	68
	Average:	68.6

Radiation Patterns

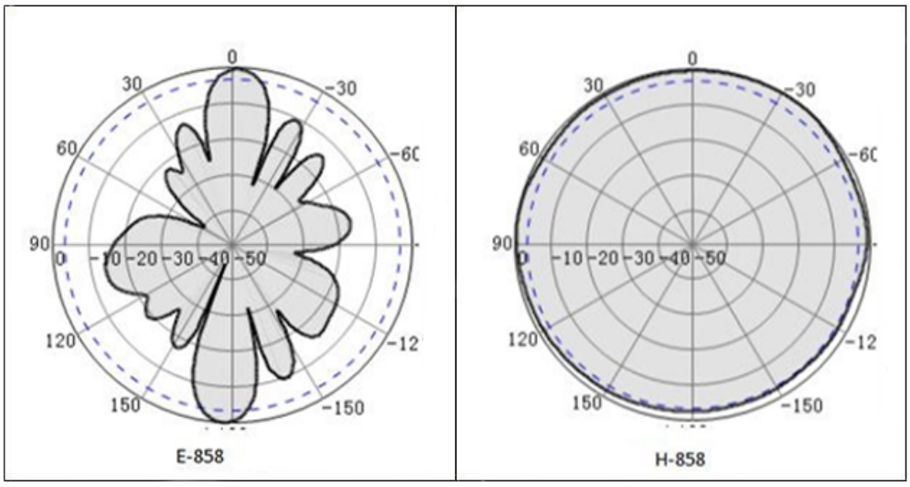

Figure 3: Radiation pattern at 858MHz

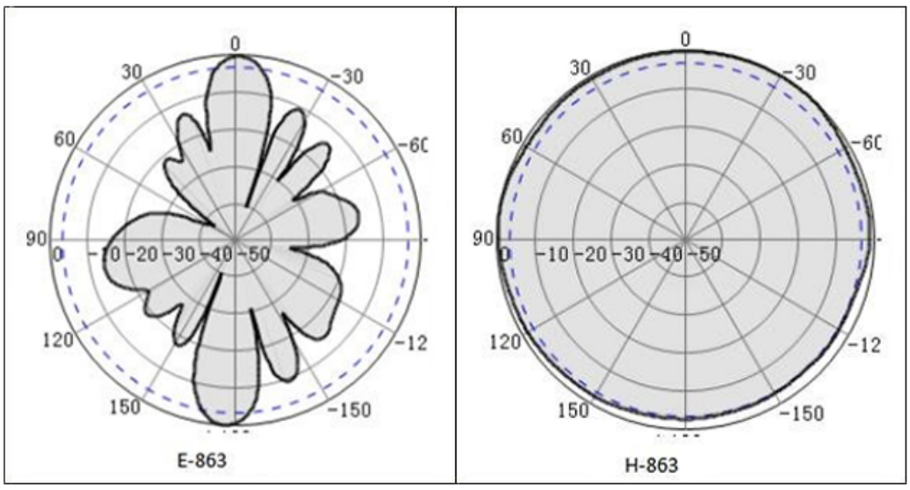

Figure 4: Radiation pattern at 863MHz

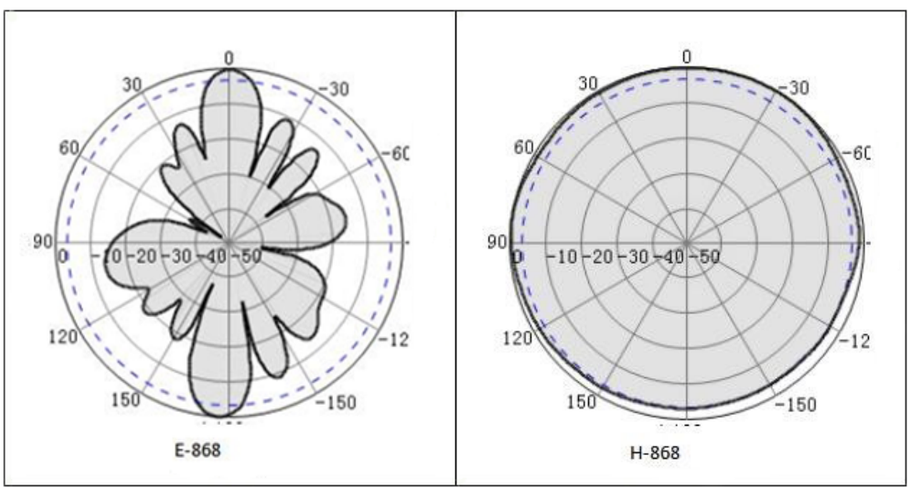

Figure 5: Radiation pattern at 868MHz

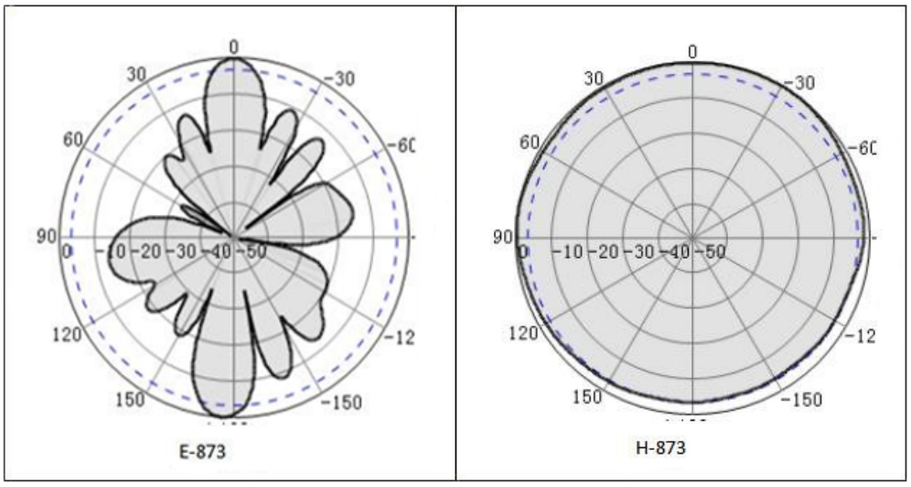

Figure 6: Radiation pattern at 873MHz

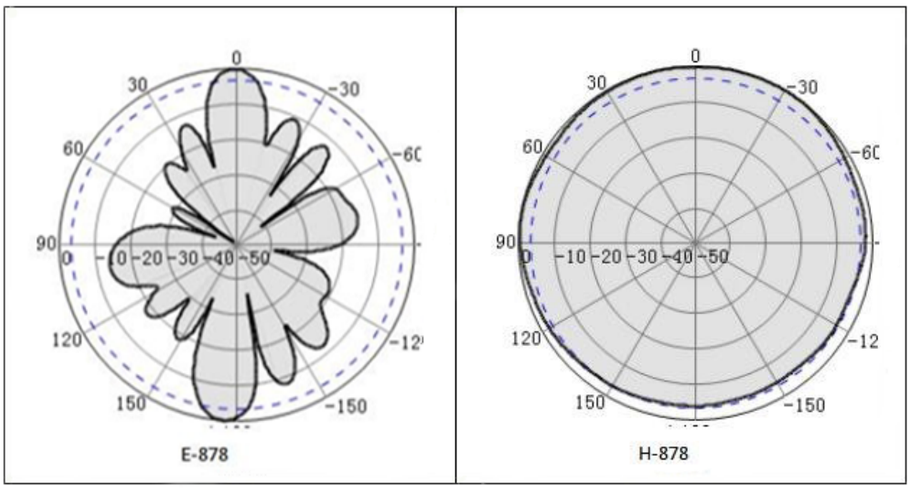

Figure 7: Radiation pattern at 878MHz

Mechanical Specifications

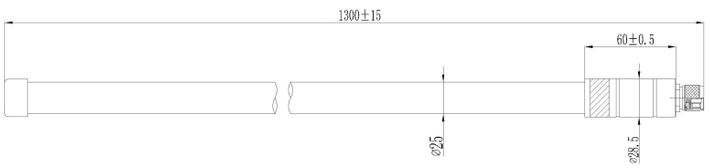

Figure 8: 858~878MHz 8dBi Fiber Glass Atenna dimensions

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