



☒ Sub-1 GHz

☒ Pole Mount

☒ 868 MHz

☒ 915 MHz

Sub-1 GHz ISM/LoRa/SigFox/EnOcean Omnidirectional Outdoor Antenna

SPECIFICATIONS

Band	868	915
Frequency (MHz)	863–870	902–928
VSWR	<2.0	<2.0
Efficiency (%)	83	97
Average Gain (dBi)	-1	0
Peak Gain (dBi)	8	8
3dB Beam Width	H : 360° / V : 12° typ.	H : 360° / V : 15° typ.
Impedance (Ohm)	50	
Input Power (W)	100	
Polarization	Vertical	
Radiation Pattern	Omni-directional	

- Measured the stand-alone antenna without extension cable in free space.
- Above specifications are subject to be changed depending on application, ground plane, cable, connector, housing and install environment.

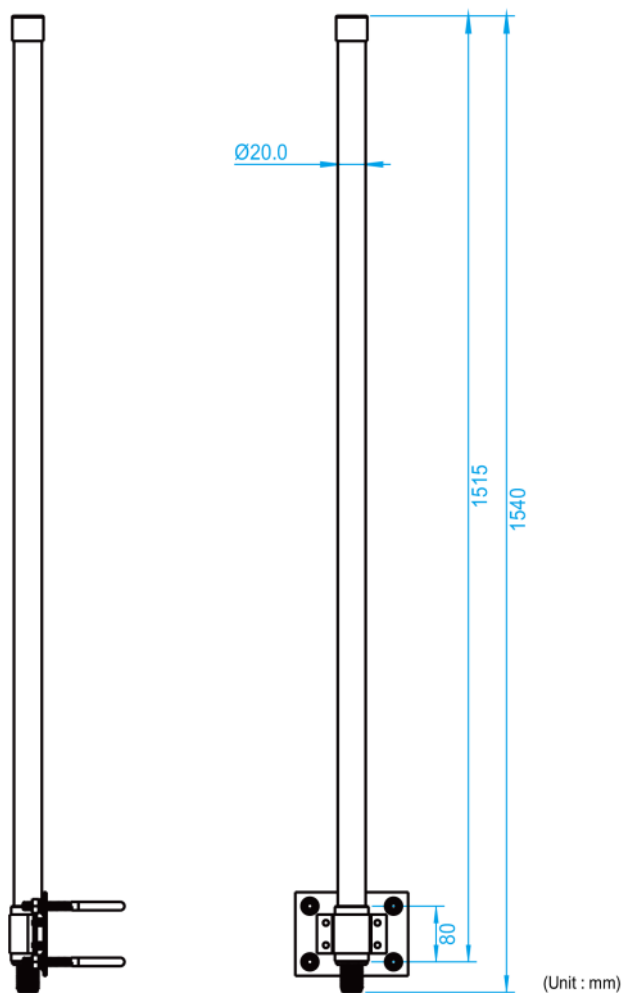
MECHANICAL SPECIFICATIONS

Dimensions	20 (D) x 1540 (H) mm typ.	(antenna only)
Weight	495 g 260 g	(antenna only) (mounting kit only)
Radome	Fiberglass	
Connector	N Female	
Mounting Type	Pole Mount	

ENVIRONMENTAL SPECIFICATIONS

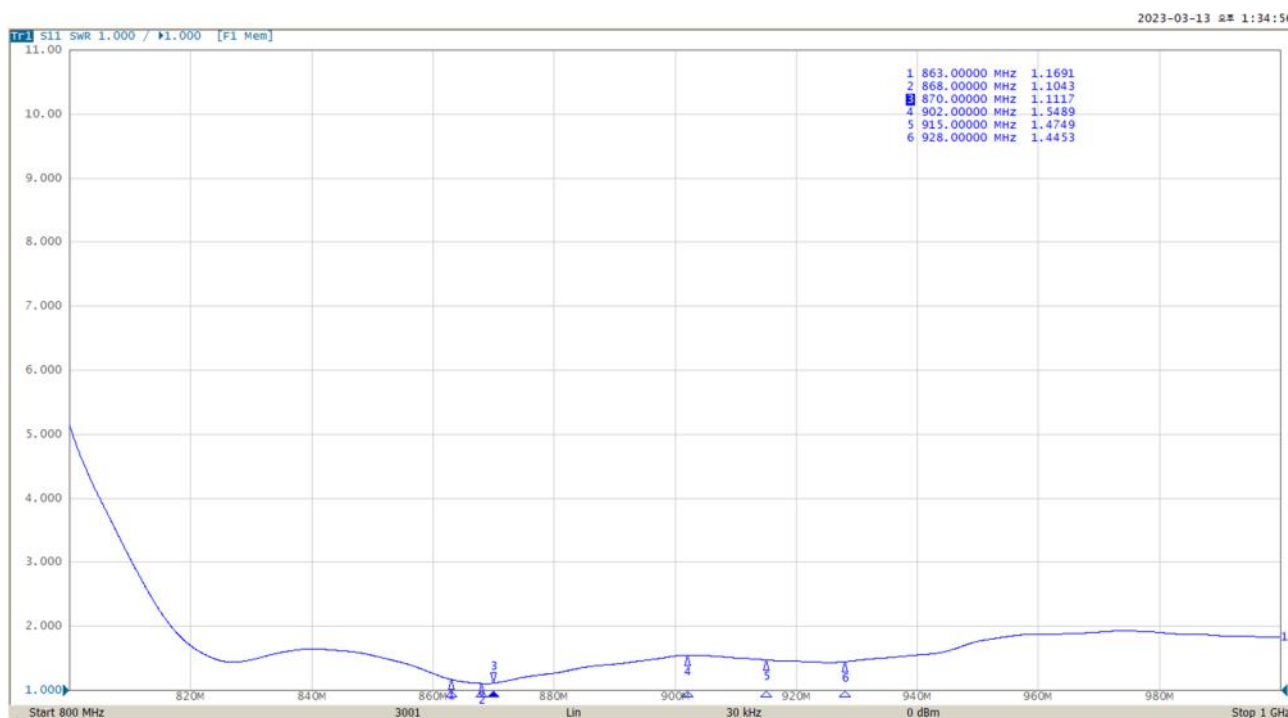
IP Code	IP67	
Wind Resistance	210 km/h	
Operating Temperature	-40°C to +65°C	
Compliance	RoHS	

■ ■ ■ **DRAWINGS**



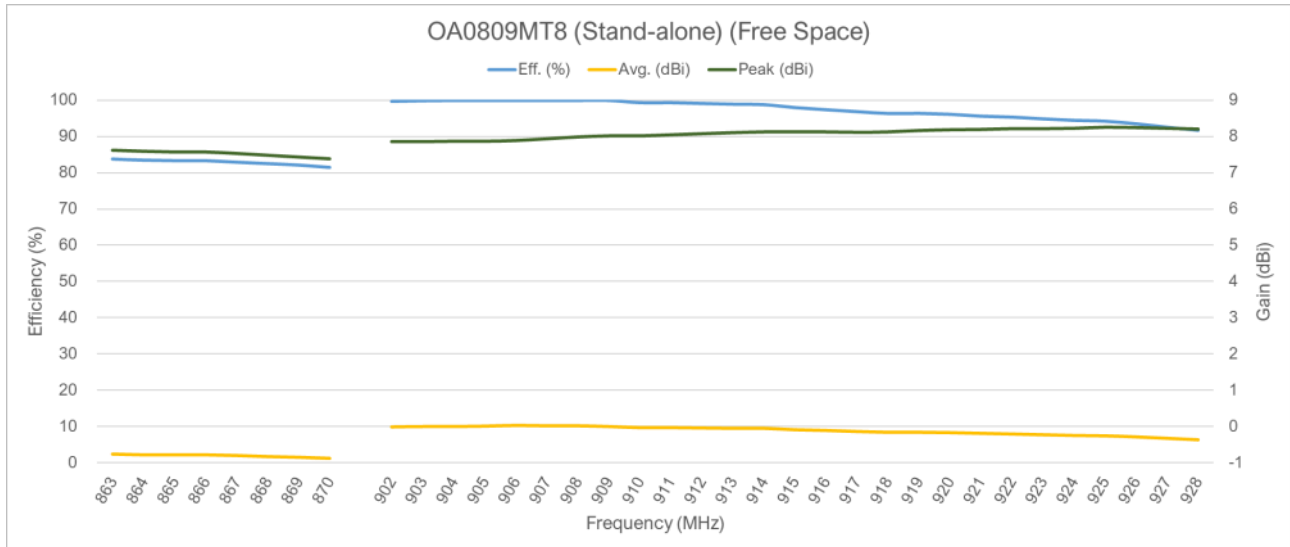
ANTENNA PARAMETERS

VSWR



■ ■ ■ ANTENNA PARAMETERS

Efficiency & Gain

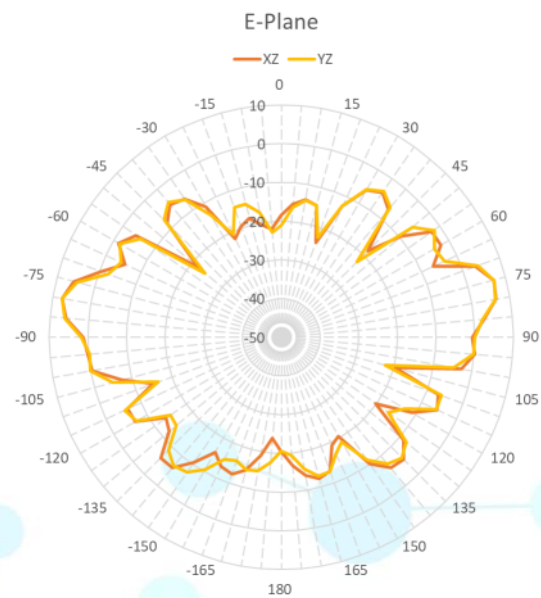
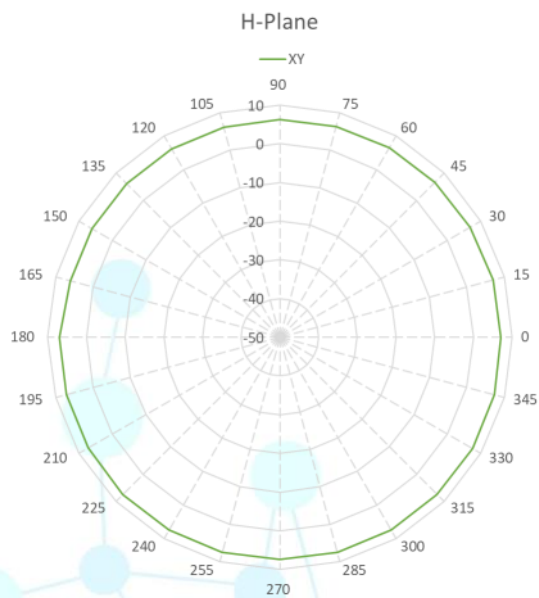
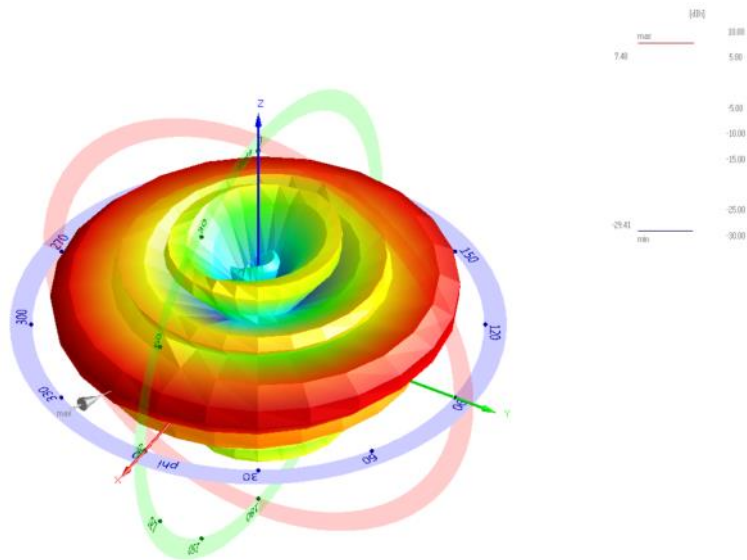


ANTENNA PARAMETERS

Radiation Patterns

- Measured the stand-alone antenna in free space.

0.868GHz

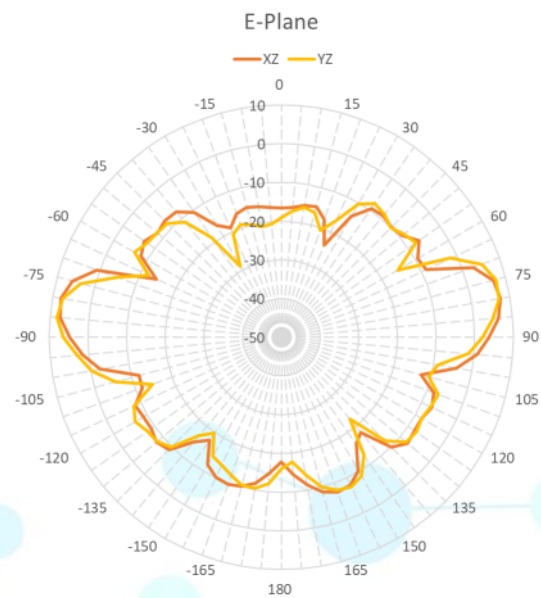
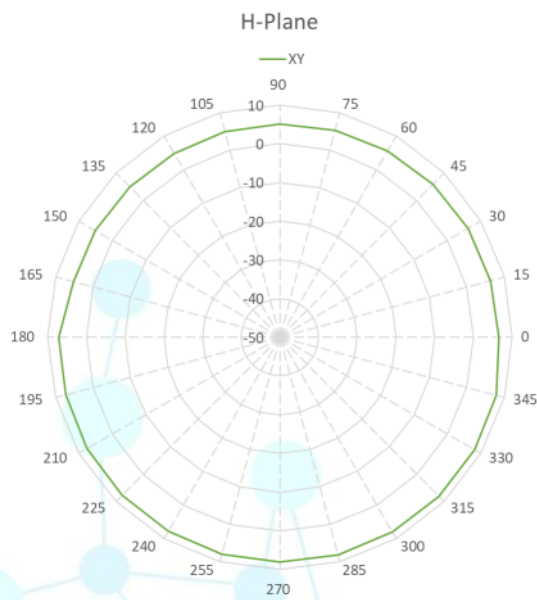
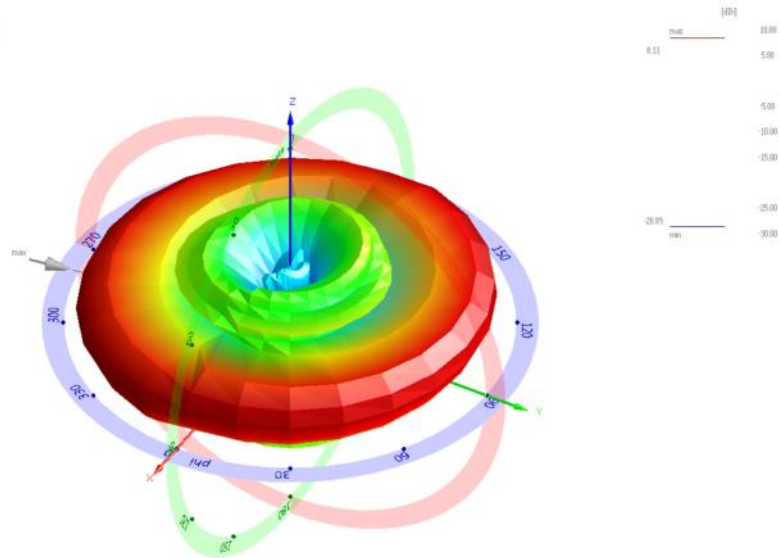


ANTENNA PARAMETERS

Radiation Patterns

- Measured the stand-alone antenna in free space.

0.915GHz





■ ■ ■ ORDERING INFORMATION

OA0809MT8A	(N Female)
OA0809MT8B	(N Male)