



A58W3

WIFI antenna for I4Gen Box

WIFI antenna enabling the I4Gen Box to efficiently pick up surrounding signals.

Note: This is a dedicated accessory for the I4Gen Box

PART NUMBER	DESCRIPTION
A58W3	External WIFI antenna, 868 MHz ISM



KEY FEATURES

- 863-870 MHz
- Screw Mount
- Anti-Rotation Mechanism
- High Gain
- Ground Plane Dependent
- IP67, IK09, IP69K
- Dimensions $\varnothing 77.3 \times 65.5$ mm

SPECIFICATIONS

ANTENNA AND ELECTRICAL SPECIFICATIONS	
Standards	ZigBee, ISM, SIGFOX, LoRa
Band (MHz)	868 MHz
Frequency (MHz)	863-870
Return Loss (dB)	~17.3
VSWR	~1.3:1
Efficiency (%)	~61.8
Peak Gain (dBi)	~2.6
Average Gain (dB)	~-2.1
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	50
Connector Type	Most RF Connectors (SMA-Male Standard)
Cable Length	Any Cable Length (300 cm Standard)
Cable Type	Other Cables Available (RG174 Standard)





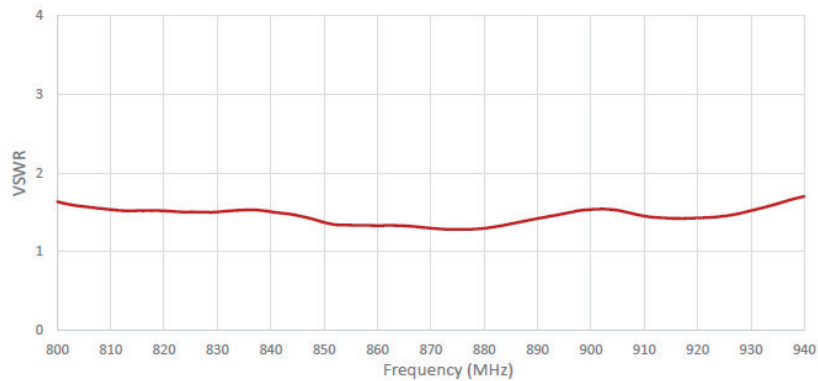
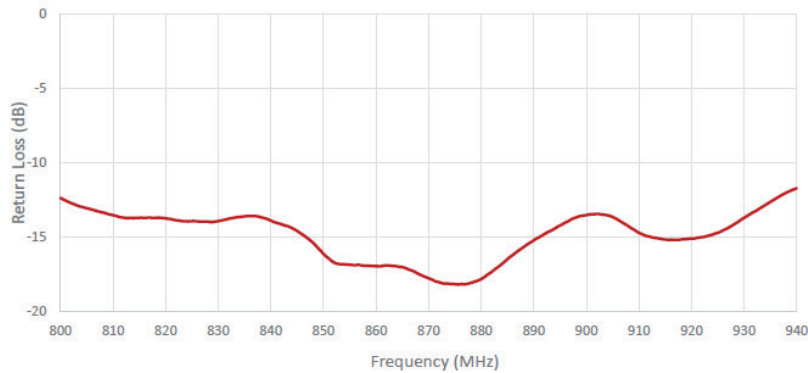
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MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Mounting Type	Screw Mount
Dimensions (mm)	Ø 77.3 x 65.5
Max. Tighten Torque (Nm)	6 Nm
Radome	ASA
Radome color	Black
Antenna Base	Zamak
Gasket	TPE
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IK09, IP69K

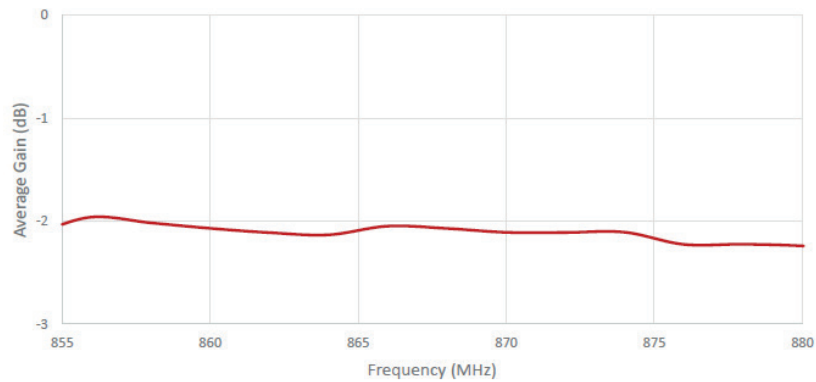
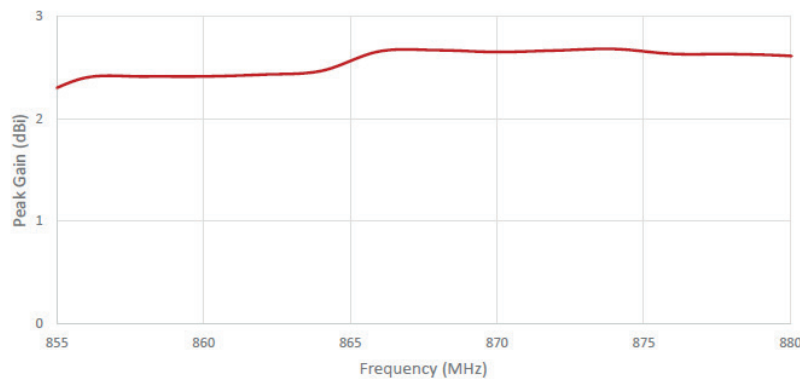
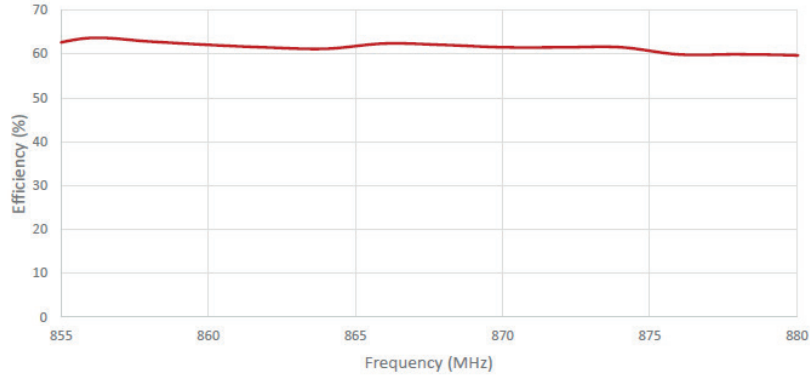
ANTENNA PARAMETERS





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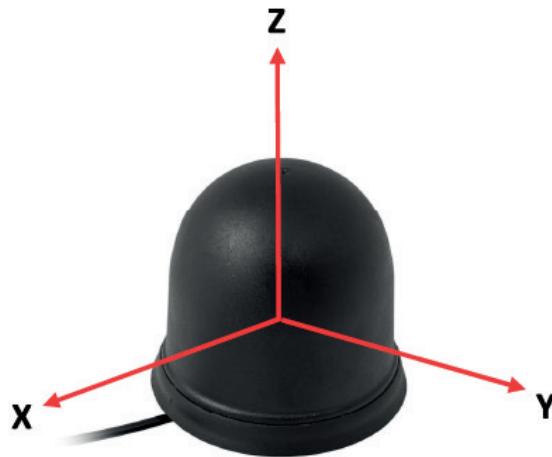
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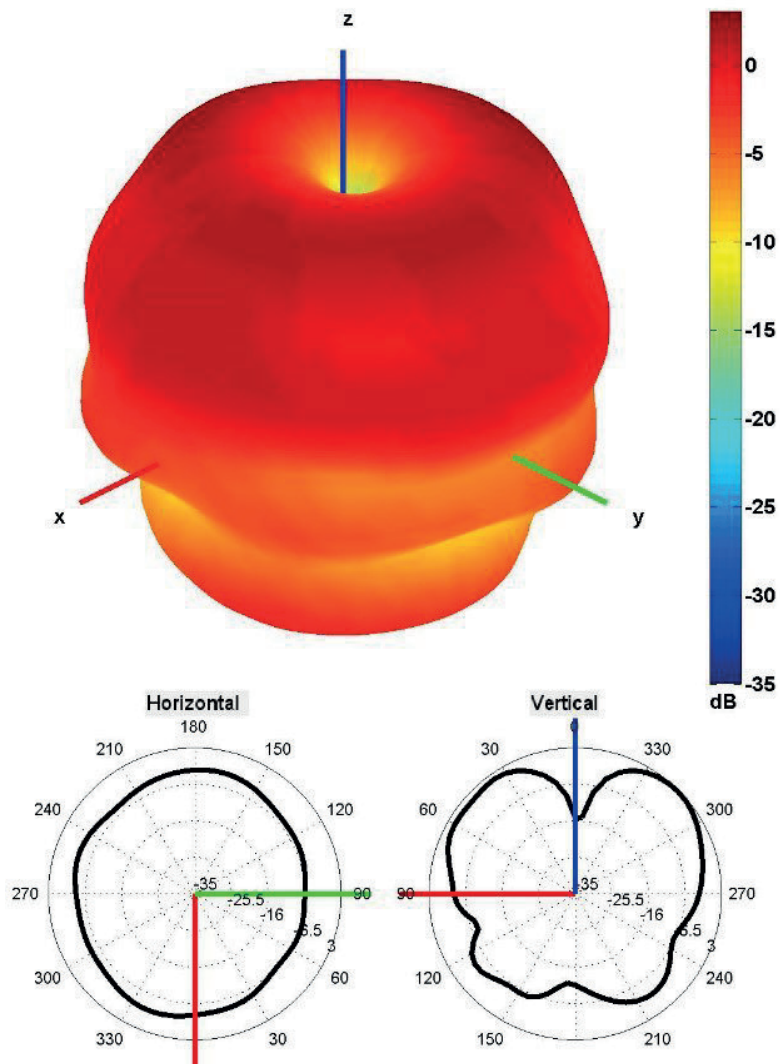


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Radiation pattern reference



868 MHz Radiation pattern

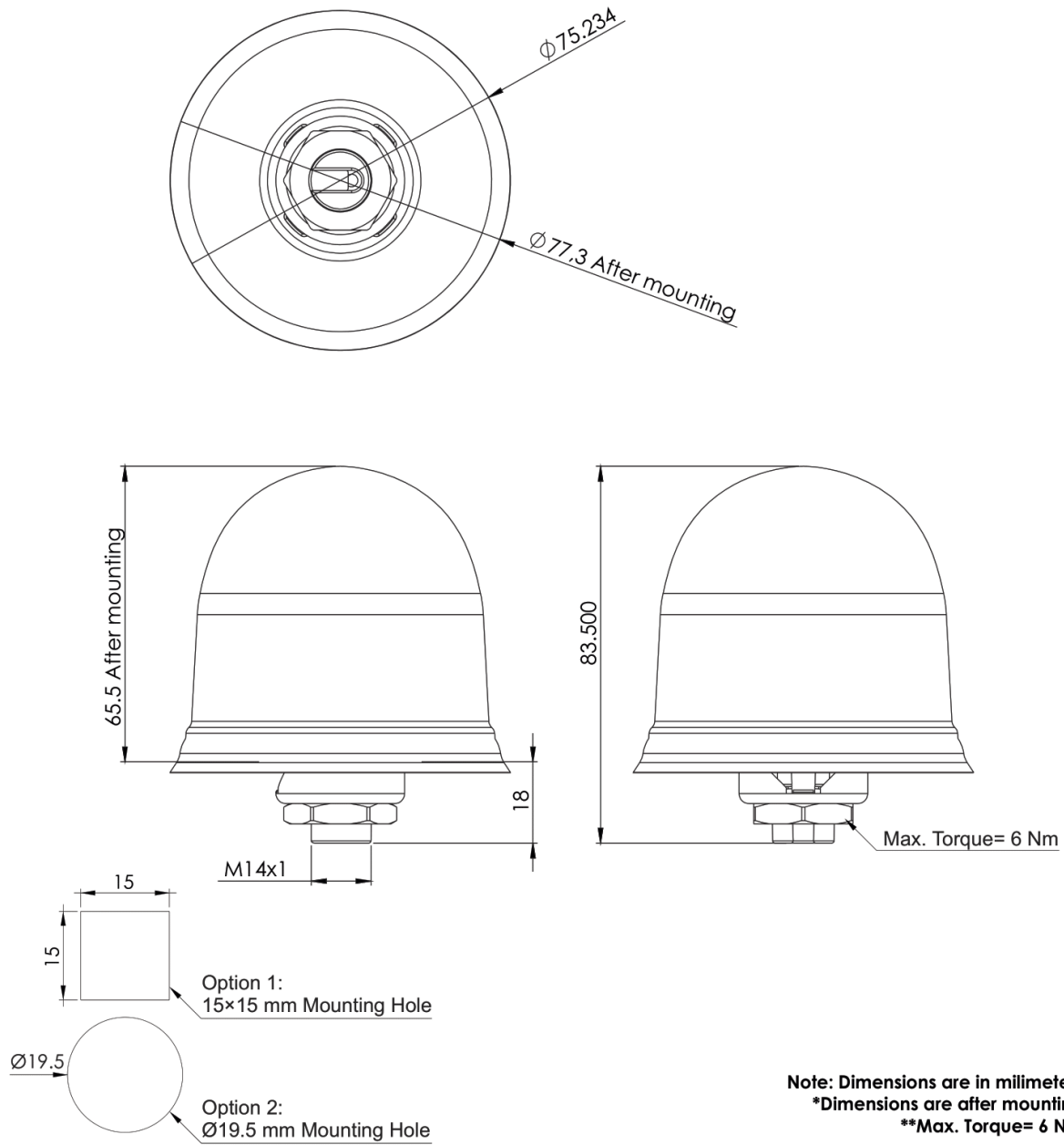




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ANTENNA DRAWINGS



Note: Dimensions are in millimeters
*Dimensions are after mounting
**Max. Torque= 6 Nm

RELATED PRODUCTS

PRODUCTS	
A58VO	I4GEN 7"
A58V1	I4GEN 10"
A58U1	I4Gen Box for LAN connectivity via WIFI and LAN

