

Magnetic LoRa antenna kit

IRIS - ACCESSORY

Accessory kit for the IRIS gateway, including a magnetic LoRa antenna (for quick attachment to metal surfaces), a 3 m RG58 coaxial cable with a male SMA connector on the gateway side, and a cable gland.

This kit is designed to simplify installations where the antenna can be positioned on a metal surface (cabinet, chassis, metal roof) to optimise LoRaWAN reception without the need for drilling or a dedicated mount.



AC0206-02

ELECTRICAL PROPERTIES

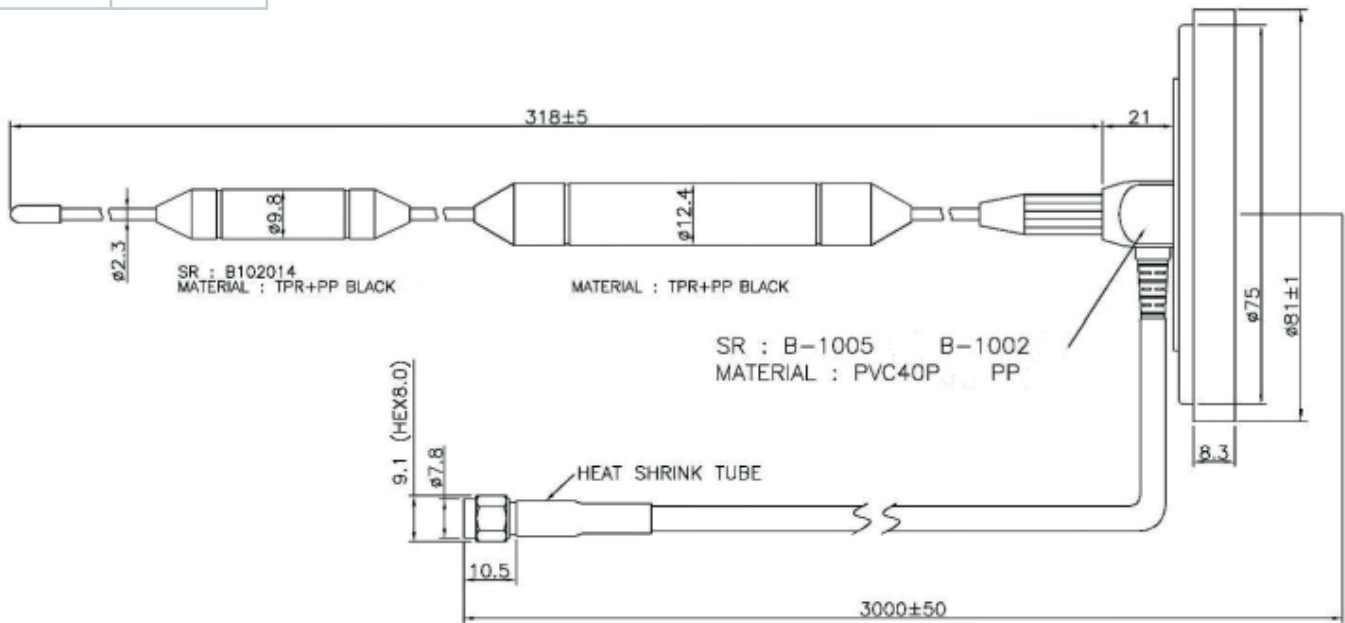
Frequency	868 Mhz
Nominal Impedance	50 ohm
V.S.W.R	2.0:1
Antenna Average Gain	5 dBi
Cable	RG58U
Conector	SMA M

MECHANICAL PROPERTIES

Additional accessories included	20 m cable + cable gland + nut
Mounting	Magnetic base
Antenna dimensions	329 × Ø75 mm
Cable length	3 m

Outline & Dimensions

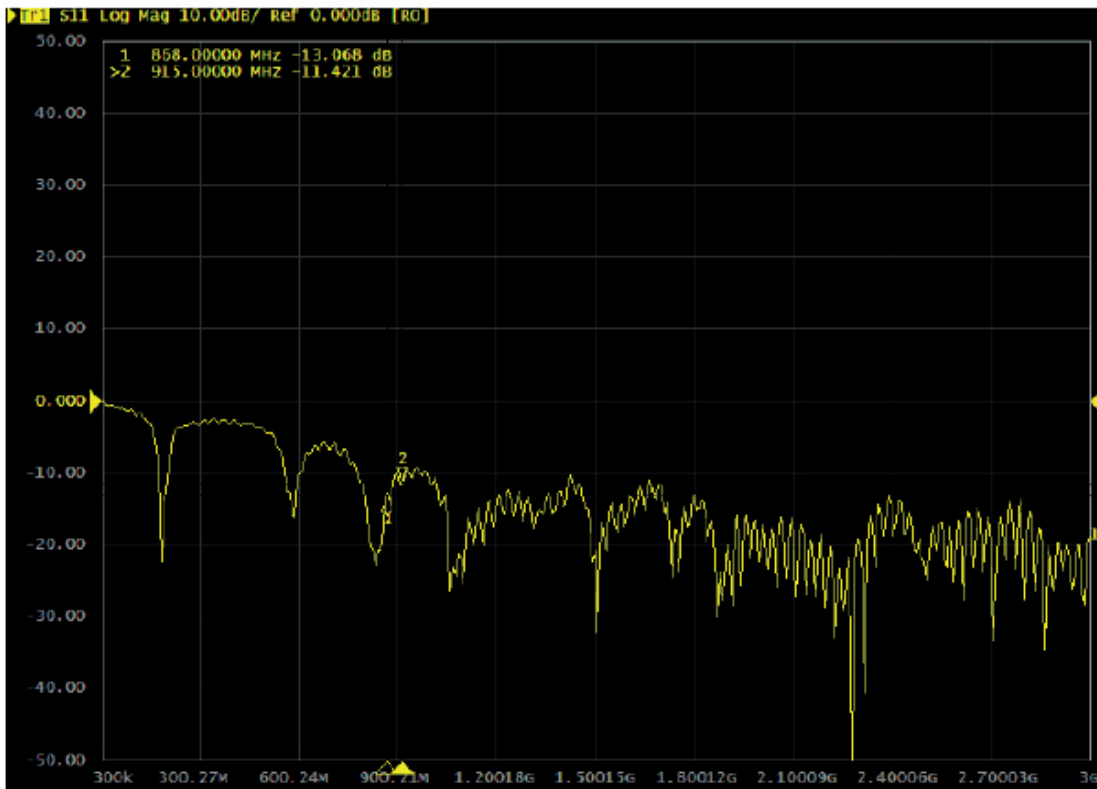
Cable	MR195
OD	Ø5.0±0.15mm
Cover	Black
SMA M	Gold



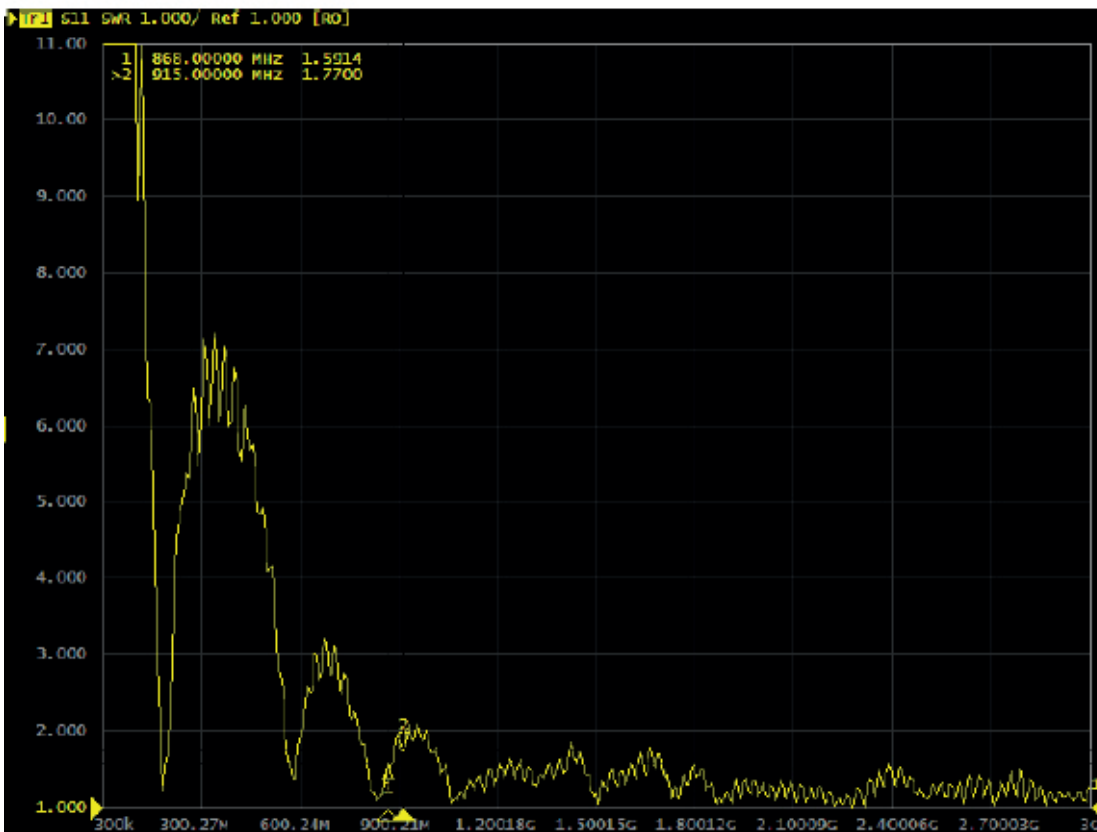
Antenna frequency parameters

Frequency (MHz)	Return Loss (dBi)	VSWR	Efficiency (%)	Gain (dBi)
868	-13.06	1.59	78.34	3.23

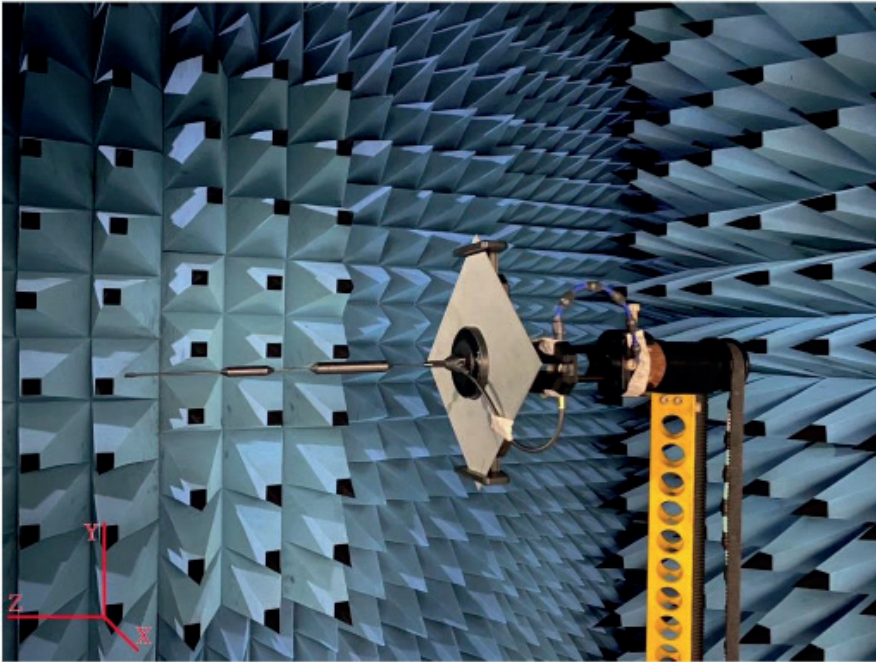
Test data (return loss)



Test data (VSWR)

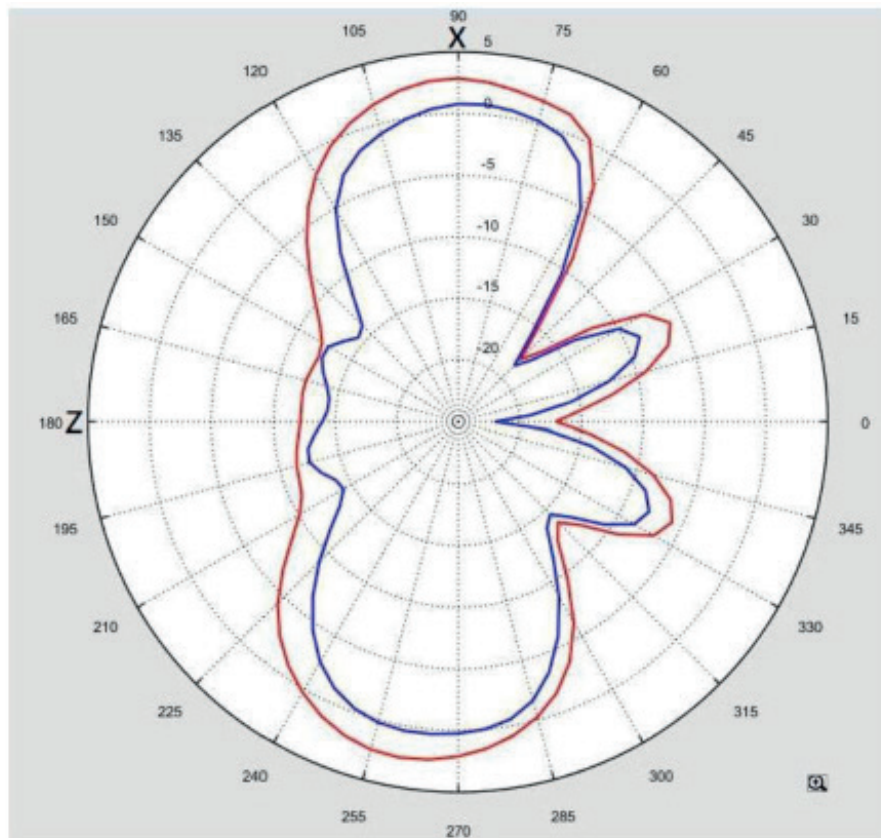


3D Test photo

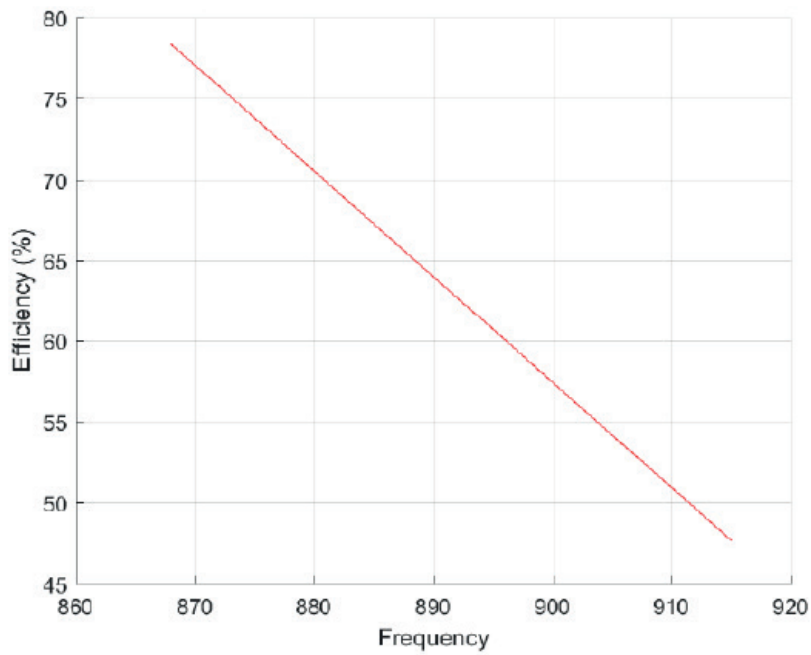


3D Test data

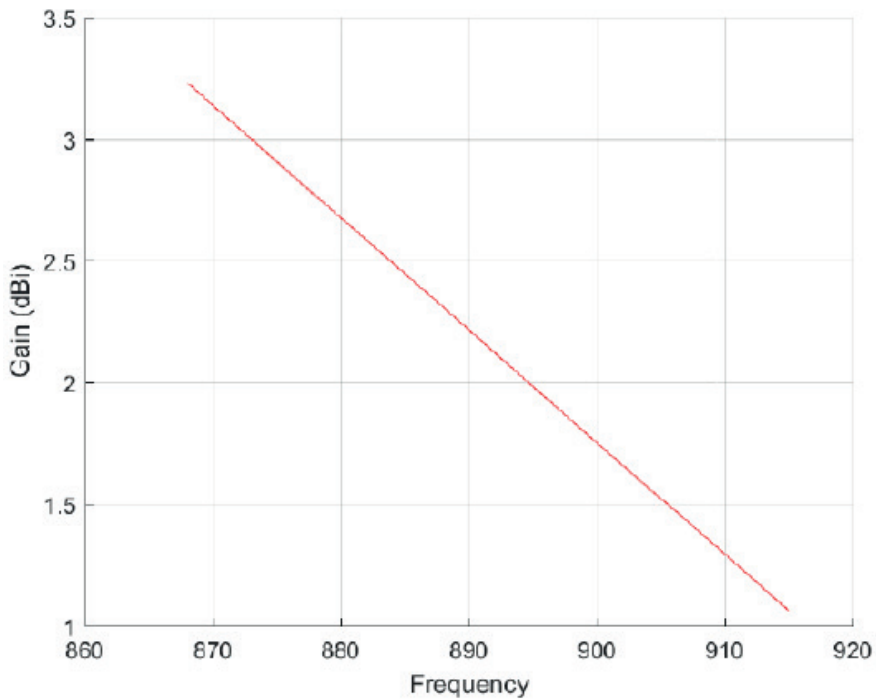
Freq. / Chan.	Color
868MHz	Red
915MHz	Blue



Total efficiency (%)



Total gain (dBi)



Radiation pattern

