



Datasheet

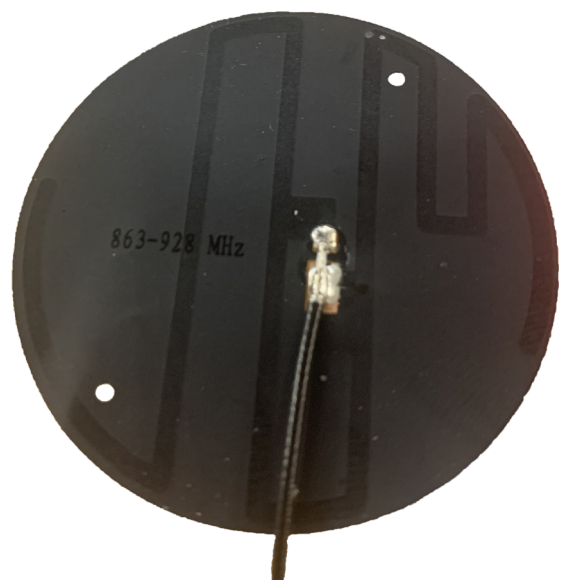
IF150

ISM / LoRa

868 MHz flexi PCB Antenna

Datasheet v1.2

Specification subject to change without notice



1.0 Specification

1.1 Electrical

Frequency	863 – 870MHz
Impedance	50 Ohms
Polarization	Linear
Peak Gain	0.15 dBi Max @ 870MHz
VSWR	< 1.8:1

1.2 Connection

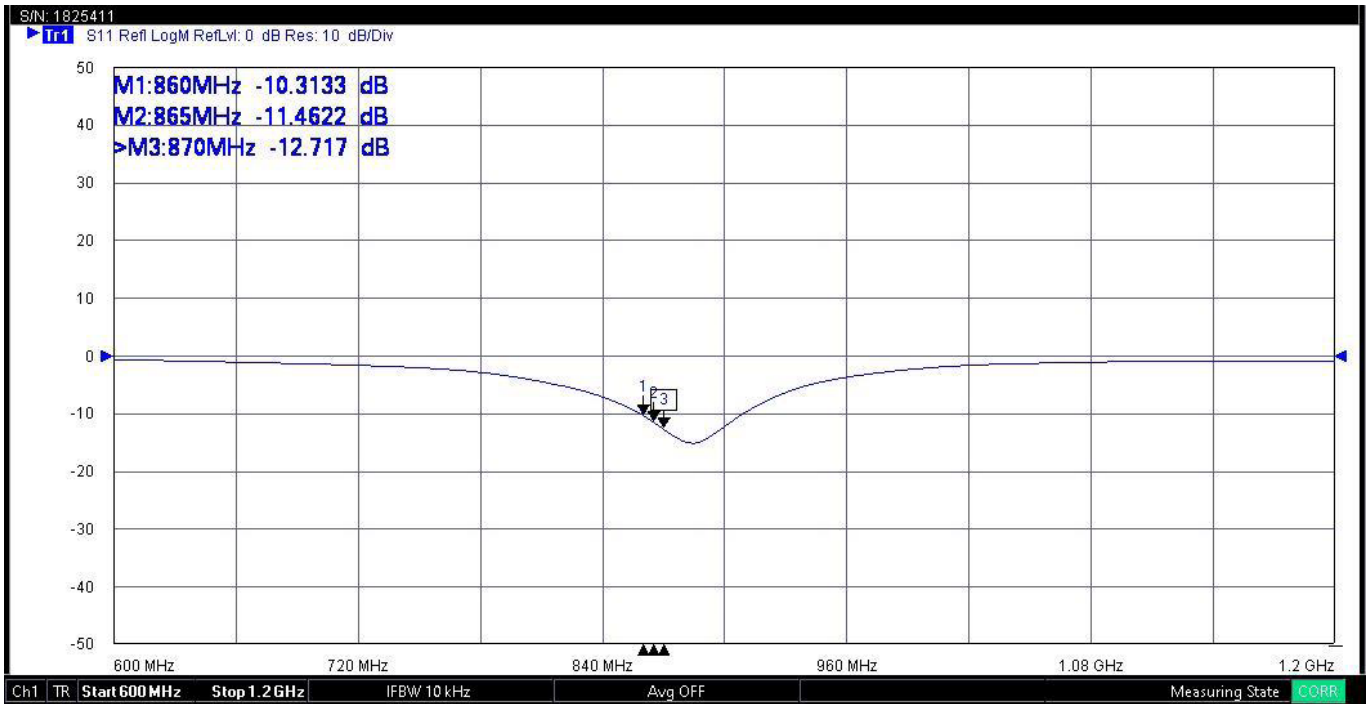
Connector	I-PEX MHF1 (Other options)
Cable	RF1.13 Micro Coax
Cable Length	100mm (Other options)

1.3 Mechanical

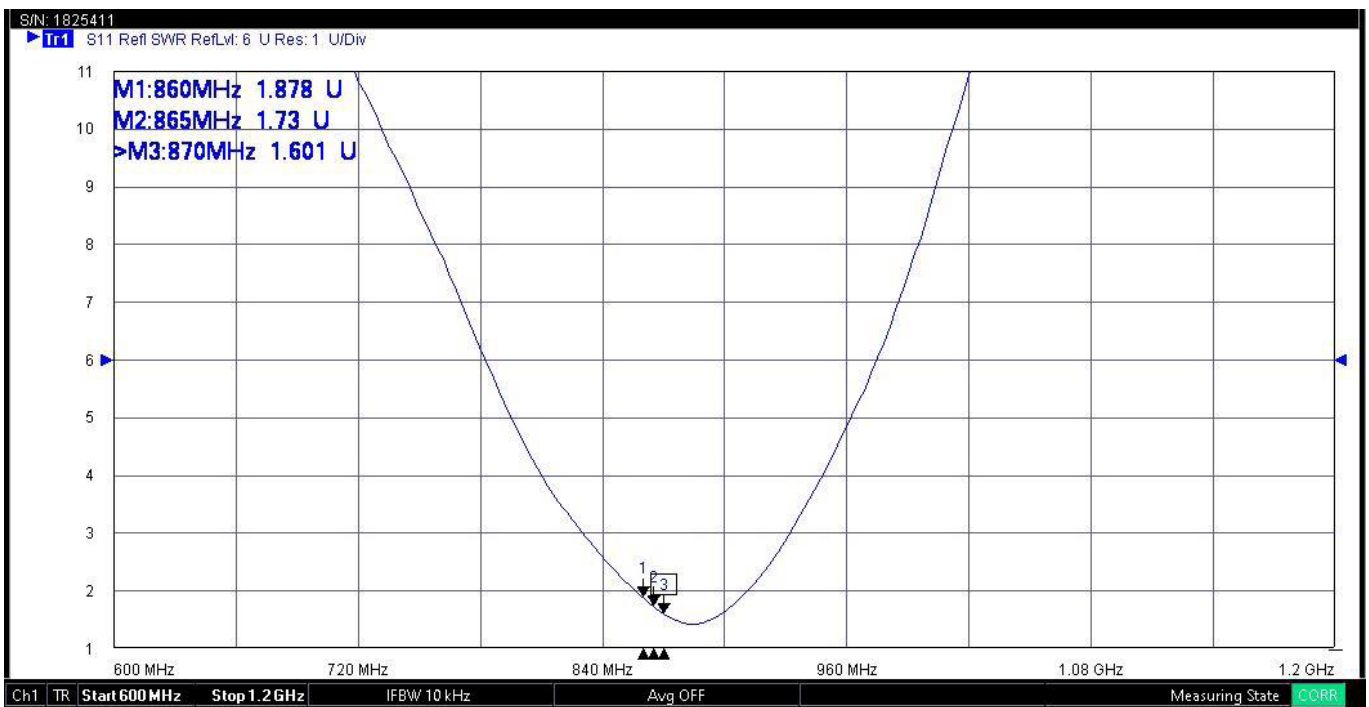
Material	Polymer
Colour	Black
Dimensions	
Mounting	3M Adhesive
Operating Temperature	-40C - +85C

2.0 Antenna Characteristics

2.1 Return Loss

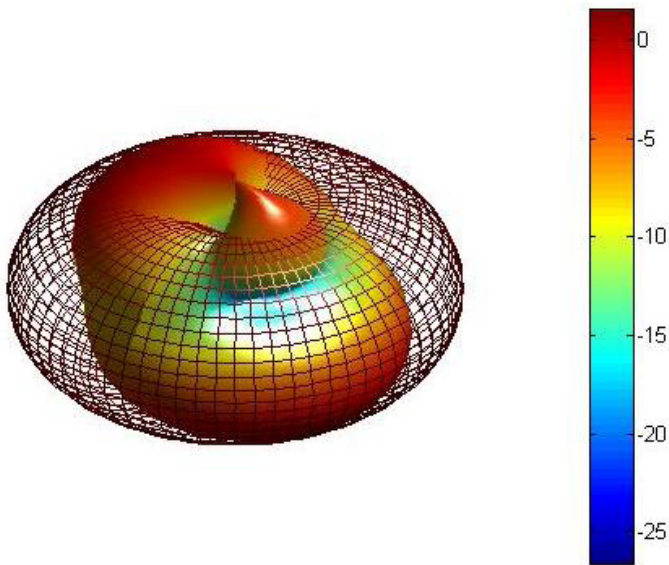


2.2 VSWR

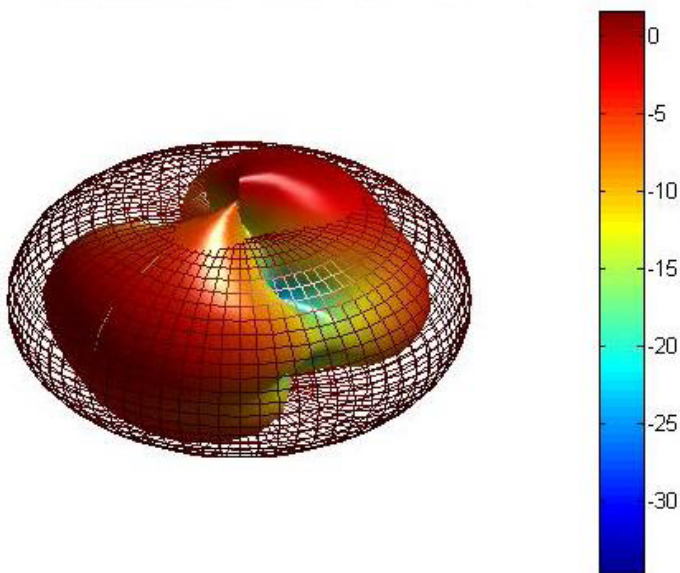


3.0 3D Radiation Patterns

3.1 Vertical Polarization 865MHz



3.2 Horizontal Polarization 865MHz



Dimensions in mm



Revision History

- 1.0 - Initial Release
23rd September 2019
- 1.1 - xGen Rebrand
- 1.2 - Update plots

www.xgenrf.com