



Meshtastic Open Source Project

Community Published Antenna Test Report

Product Data

Manufacturer	TE / Linx	Supplier	Mouser
Manufacturer Part No	ANT-8/9-FPC-UFL-100	Supplier Part No	712-T-8/9FPCUFL100
Manufacturer Description	Antenna FPC 868/915MHz 1.13	Purchase Date	09/06/2023
Manufacturer Freq Spec	862-876MHz, 902-930MHz	Purchase Cost	\$4.66 USD
Manufacturer Datasheet	Available on TE.com (Requires Registration)		



Manufacturer Supplied Product Photo



Meshtastic Open Source Project

Community Published Antenna Test Report

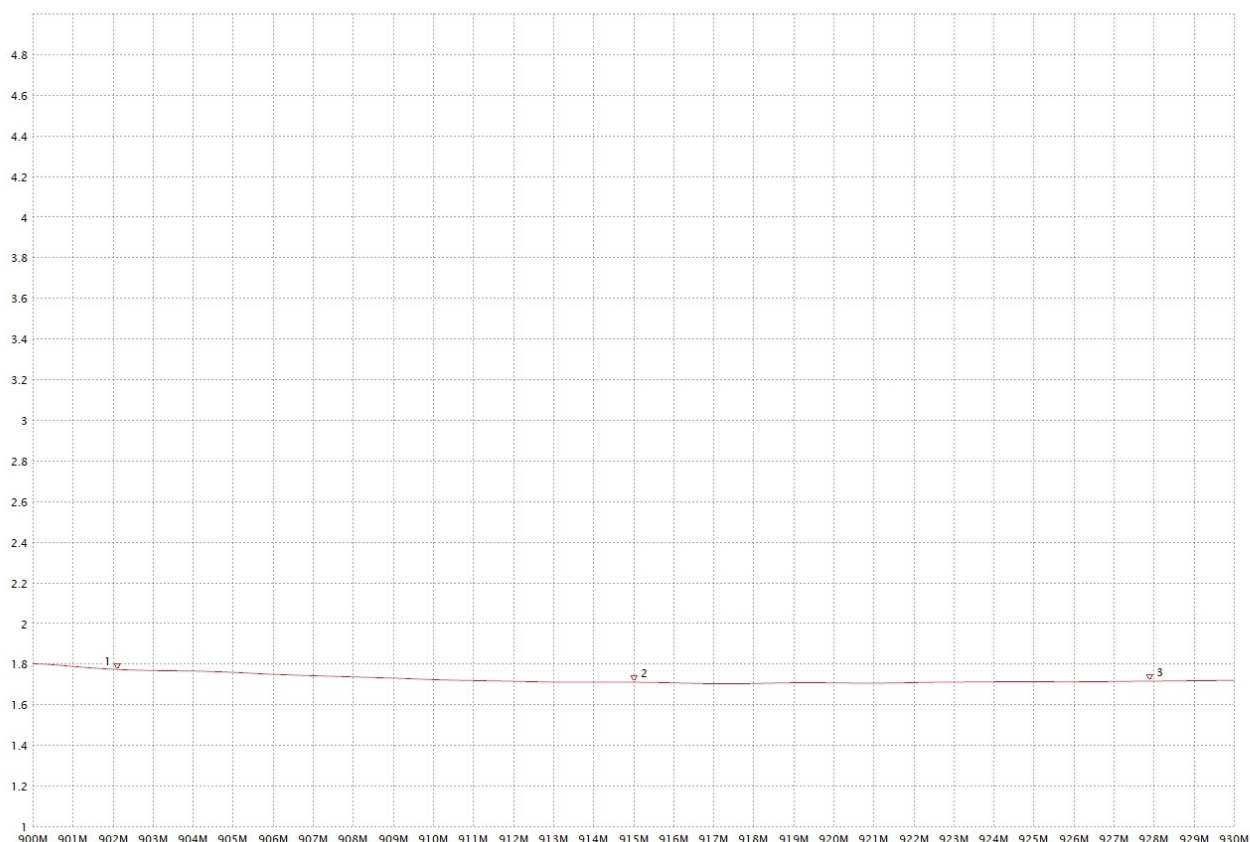
Test Results

VSWR Measurements

902MHz (Marker 1) 1.752 : 1 915MHz (Marker 2) 1.704 : 1 928MHz (Marker 3) 1.711 : 1

ANT-8/9-FPC-UFL-100
Fri 15 Sep 2023 17:28:36

Freq VSWR S11 S11 live



Notes: Antenna flex PCB measures 39x15mm and has a 100mm micro coaxial cable terminated in a u.FL connector. Lowest VSWR during testing was achieved by placing a 5mm x 1.5mm strip of foil tape approximately 3.5cm below, and parallel to, the antenna PCB element. Similar effect could also be produced by using the antenna's adhesive strip to mount the antenna approximately 3.5cm above and parallel to the device PCB to which the antenna connector will be attached.

Tests Performed By	Ric Letson, NB2E (RicInNewMexico) Github: https://github.com/RicInNewMexico
Tests Performed On	15 September 2023