



Meshtastic Open Source Project

Community Published Antenna Test Report

Product Data

Manufacturer	Molex	Supplier	Mouser
Manufacturer Part No	206764-0050	Supplier Part No	538-206764-0050
Manufacturer Description	ISM Dipole Flex Ant 868/915 MHz 50MM	Purchase Date	09/06/2023
Manufacturer Freq Spec	863-870 MHz, 902-928 MHz	Purchase Cost	\$3.76
Manufacturer Datasheet	https://www.molex.com/en-us/products/part-detail/2067640050?display=pdf		



Manufacturer Supplied Product Photo



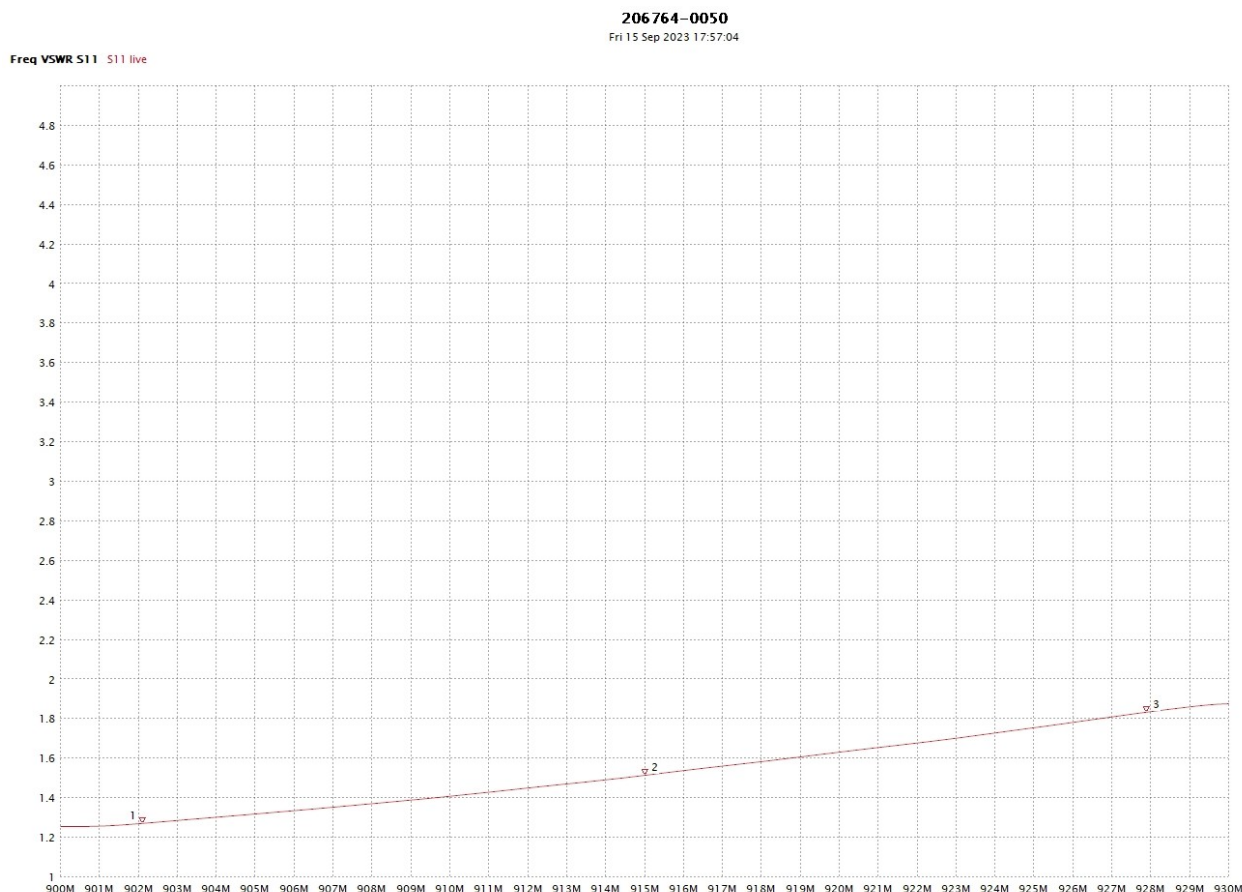
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Test Results

VSWR Measurements

902MHz (Marker 1) 1.220 : 1 915MHz (Marker 2) 1.551 : 1 928MHz (Marker 3) 1.820 : 1



Notes: Antenna Flex PCB measures 100mm x 16mm and has a 50mm long micro coaxial cable terminated in a u.FL connector. Being a dipole the antenna exhibits a low VSWR and performs well regardless of orientation and without need for a ground plane.

Three other part numbers (206764-0100, 206764-0150 and 206764-0200) are available with longer attached coaxial cables (100mm, 150mm and 200mm).

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