

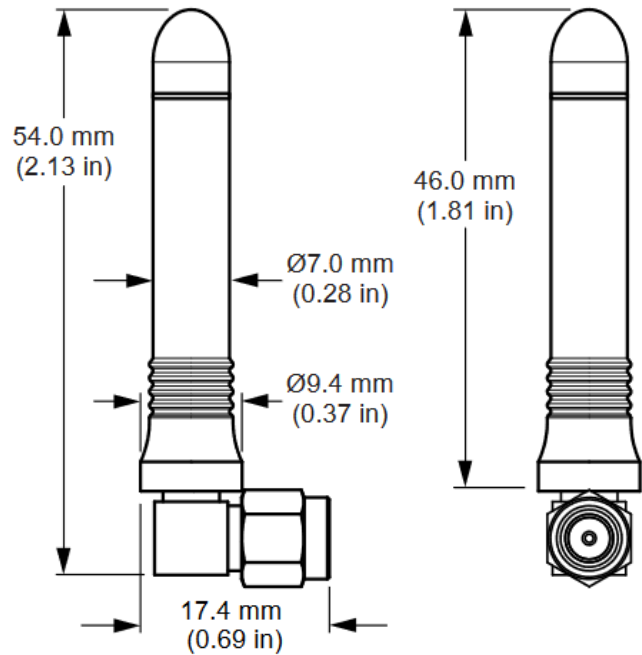


Meshtastic Open Source Project

Community Published Antenna Test Report

Product Data

Manufacturer	TE Connectivity Linx	Supplier	DigiKey
Manufacturer Part No	ANT-916-CW-RCS	Supplier Part No	ANT-916-CW-RCS-ND
Manufacturer Description	RP-SMA male right-angle whip. 3.3dBi. 1.9SWR	Purchase Date	04/14/2024
Manufacturer Freq Spec	886-946Mhz	Purchase Cost	\$6.54
Manufacturer Datasheet	TE.com		





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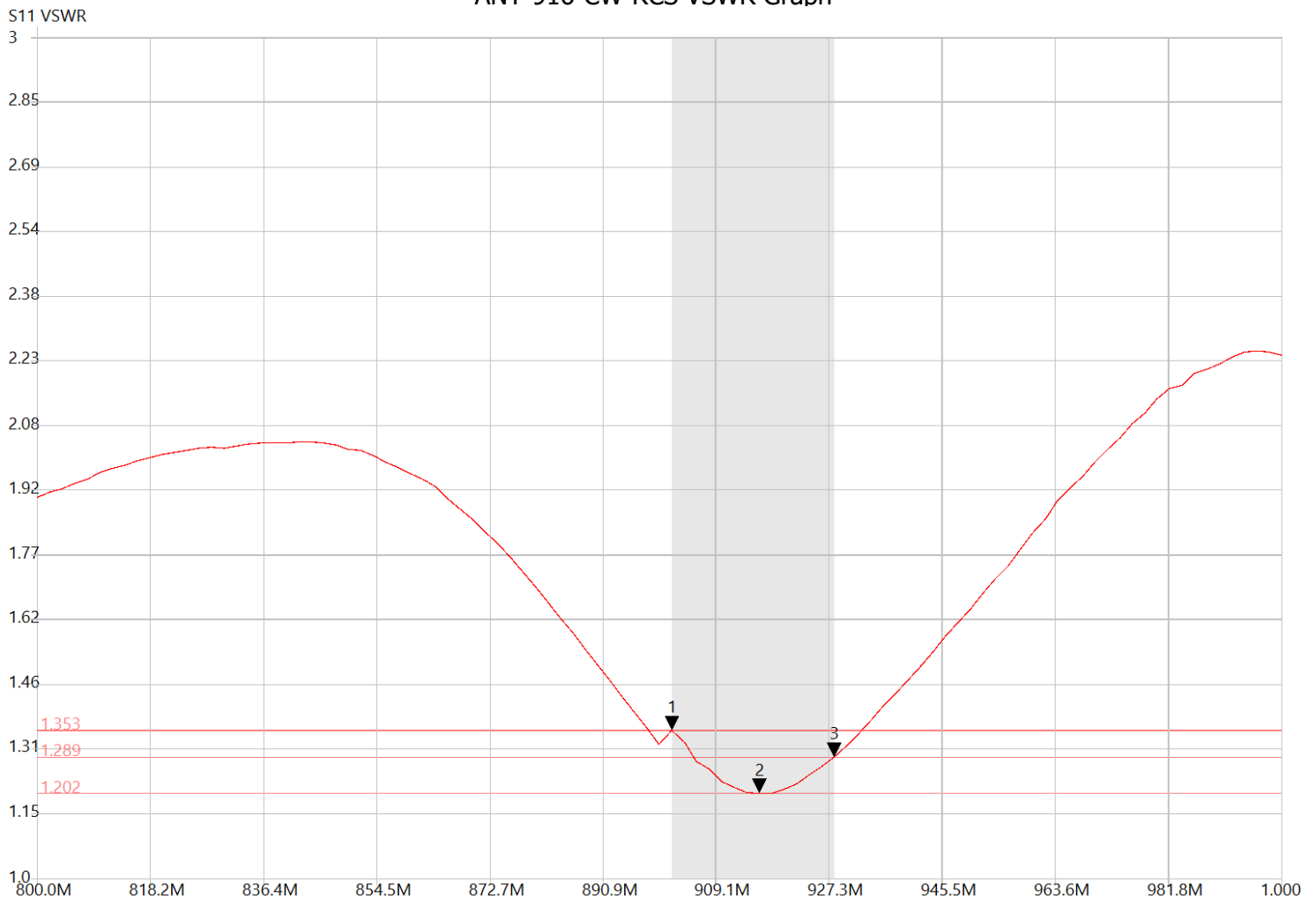
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Test Results

VSWR Measurements

902MHz (Marker 1) 1.353 : 1 915MHz (Marker 2) 1.202 : 1 928MHz (Marker 3) 1.289 : 1

ANT-916-CW-RCS VSWR Graph



Notes: Antenna performs well but requires a ground plane. Depending on the device construction, this antenna may not perform well, especially if the amount of material available for a ground plane is low. Ensure your device gives ample clearance above the SMA connector to prevent reflections. SWR is within manufacturer specification of designed frequency range, and has remarkably good performance in the 915Mhz frequency band.

Tests Performed By	Bradyn Claycomb (KC3IJL) https://github.com/djripcord
Tests Performed On	05/15/2024