



# Meshtastic Open Source Project

## Community Published Antenna Test Report

### Product Data

<b>Manufacturer</b>	Laird (Tyco Electronics)	<b>Supplier</b>	TheAntennaFarm.com
<b>Manufacturer Part No</b>	TRA9020S3CBN	<b>Supplier Part No</b>	Same As Mfg
<b>Manufacturer Description</b>	902-928 MHz Phantom Model 3dBi	<b>Purchase Date</b>	15 February 2022
<b>Manufacturer Freq Spec</b>	902-928 MHz	<b>Purchase Cost</b>	48.95
<b>Manufacturer Datasheet</b>	<a href="https://www.ameradio.com/doc/Antenex-Laird-Technologies-Antennas-Catalog.pdf">https://www.ameradio.com/doc/Antenex-Laird-Technologies-Antennas-Catalog.pdf</a>		



Manufacturer Supplied Product Photo



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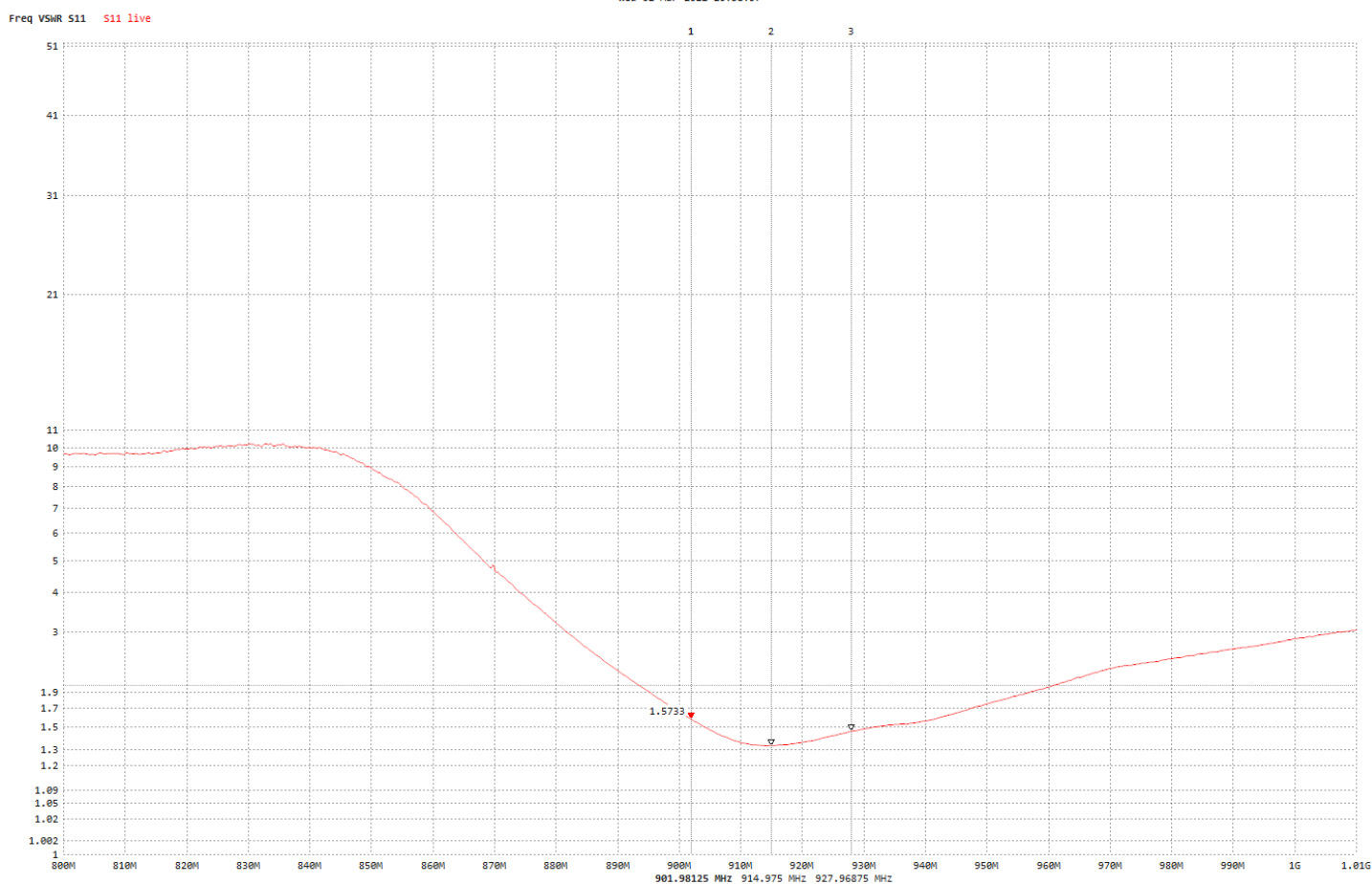
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### Test Results

#### VSWR Measurements

902MHz (Marker 1) 1.573 : 1    915MHz (Marker 2) 1.335 : 1    928MHz (Marker 3) 1.457 : 1

Laird TRA9020S3CBN  
Wed 02 Mar 2022 20:38:57



**Notes:** Antenna is within manufacturer published specifications of  $<2 : 1$  VSWR.

This particular antenna model is produced by Laird for the US government. The TRA9020S3CBN is a permanent mount, black in color, no ground plane required variant of the civilian Laird TRA9023 series of antennas. Model number TRAB9023NP would be the non-government equivalent and would be expected to perform the same.

Tests Performed By	Ric Letson, NB2E <a href="https://github.com/RicInNewMexico">Github.com/RicInNewMexico</a>
Tests Performed On	02 March 2022