



# Meshtastic Open Source Project

## Community Published Antenna Test Report

### Product Data

Manufacturer	DSWF	Supplier	Aliexpress: Game-Carnival Store
Manufacturer Part No	Antenna 868 12DBi 37.5cm	Supplier Part No	
Manufacturer Description	LoRa LoRaWAN Helium 12dBi	Purchase Date	2024-06
Manufacturer Freq Spec	868MHz	Purchase Cost	3.45 USD
Manufacturer Datasheet	<a href="https://www.aliexpress.com/item/1005003723838944.html">https://www.aliexpress.com/item/1005003723838944.html</a>		



Manufacturer Supplied Product Photo



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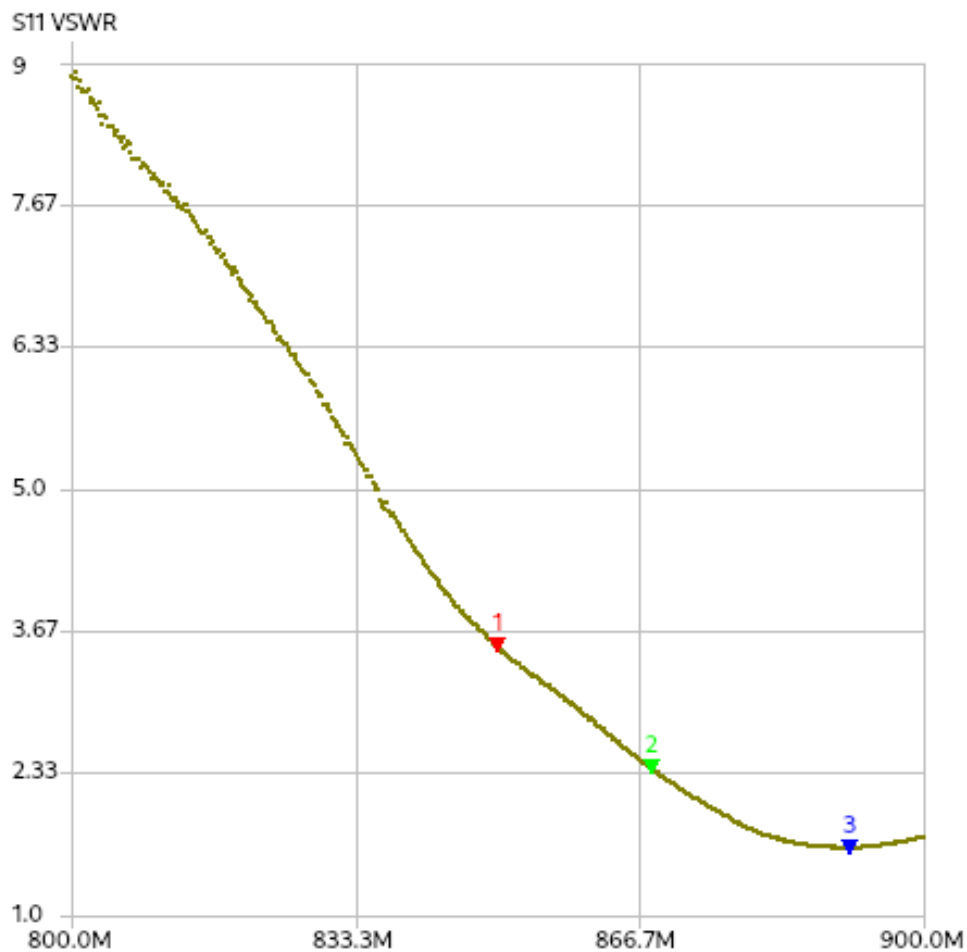
### Test Results Straith

VSWR Measurements

850 MHz(Marker 1) 3.52 : 1

869 MHz(Marker 2) 2.38 : 1

891 MHz(Marker 3) 1.63 : 1



**Notes:** Best result straith  
Tested on across 1 antenna's on nanoVNA V2.  
Averaged Sweep: 9/4 @ 501 points  
only 170mm are used inside the antenna, the rest is empty (200m)

Tests Performed By	Kirosbr
Tests Performed On	2024-06-20



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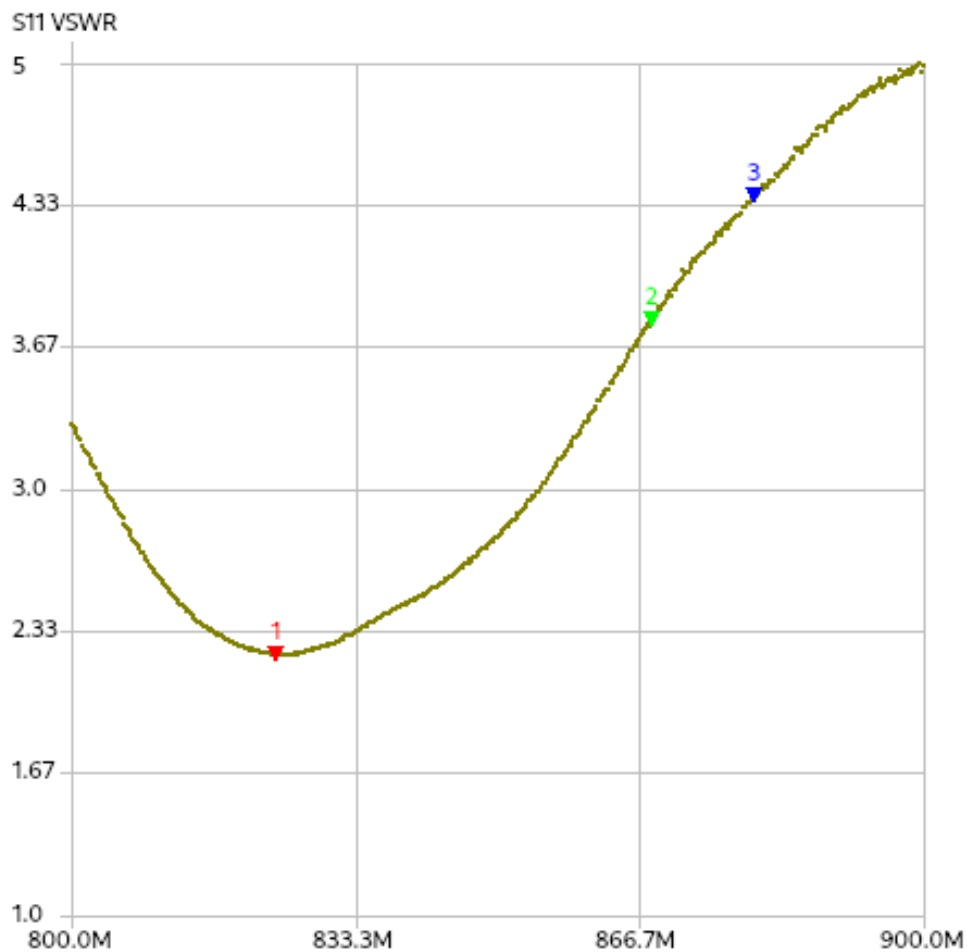
### Test Results 90°

VSWR Measurements

824 MHz(Marker 1) 2.22 : 1

869 MHz(Marker 2) 3.80 : 1

880 MHz(Marker 3) 4.368 : 1



**Notes:** Best result at 90° bend.  
Tested on across 1 antenna's on nanoVNA V2.  
Averaged Sweep: 9/4 @ 501 points  
only 170mm are used inside the antenna, the rest is empty (200m)

Tests Performed By	Kirosbr
Tests Performed On	2024-06-20