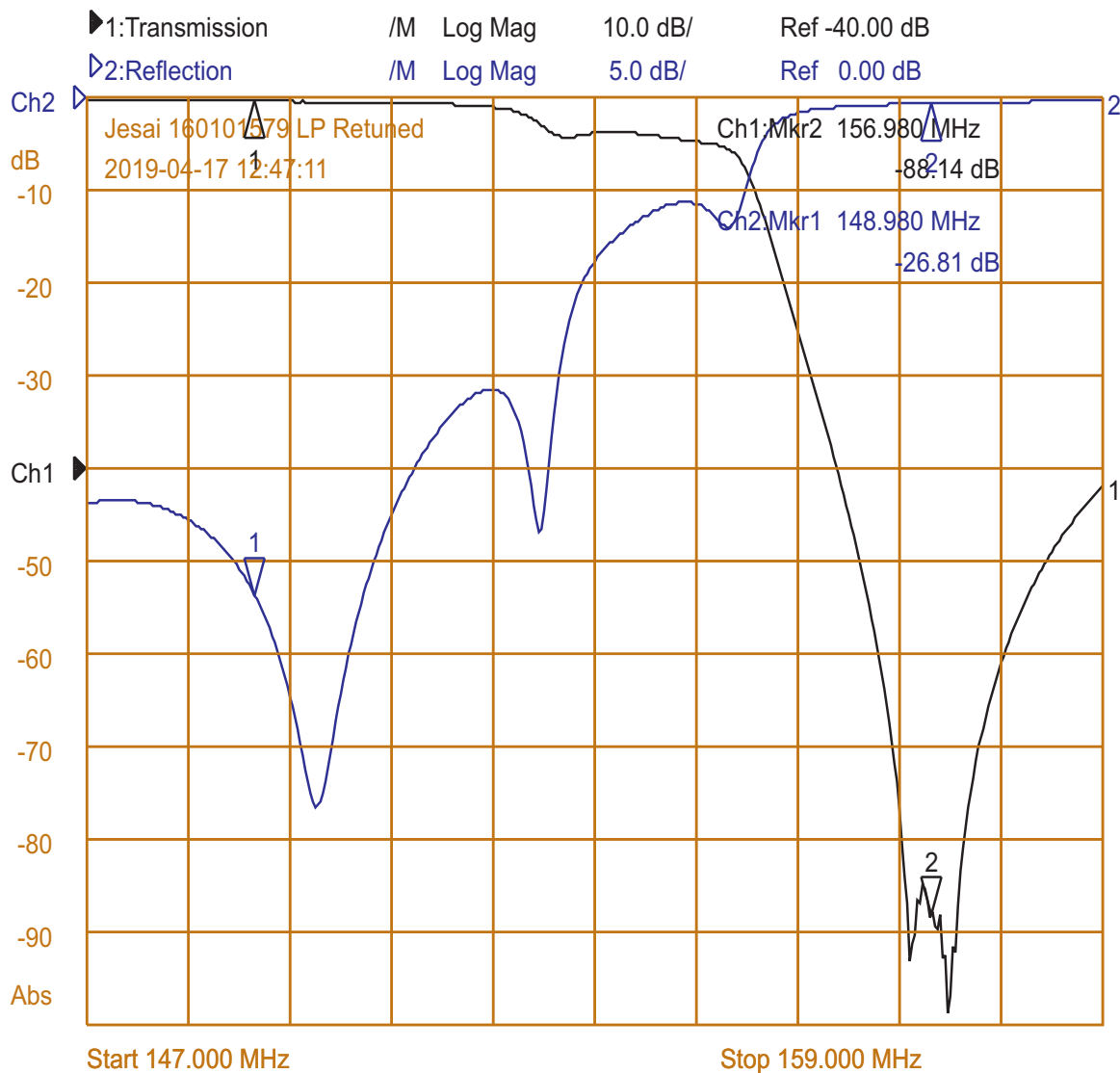


# Jiesai SGQ-150D Mobile/Compact VHF Duplexer

## Serial Number: 160101579

### Low Pass Branch Testing After Retuning



1:Mkr (MHz) dB	2:Mkr (MHz) dB
1: 148.98 -0.45	1> 148.98 -26.81
2> 156.98 -88.14	2: 156.98 -0.32

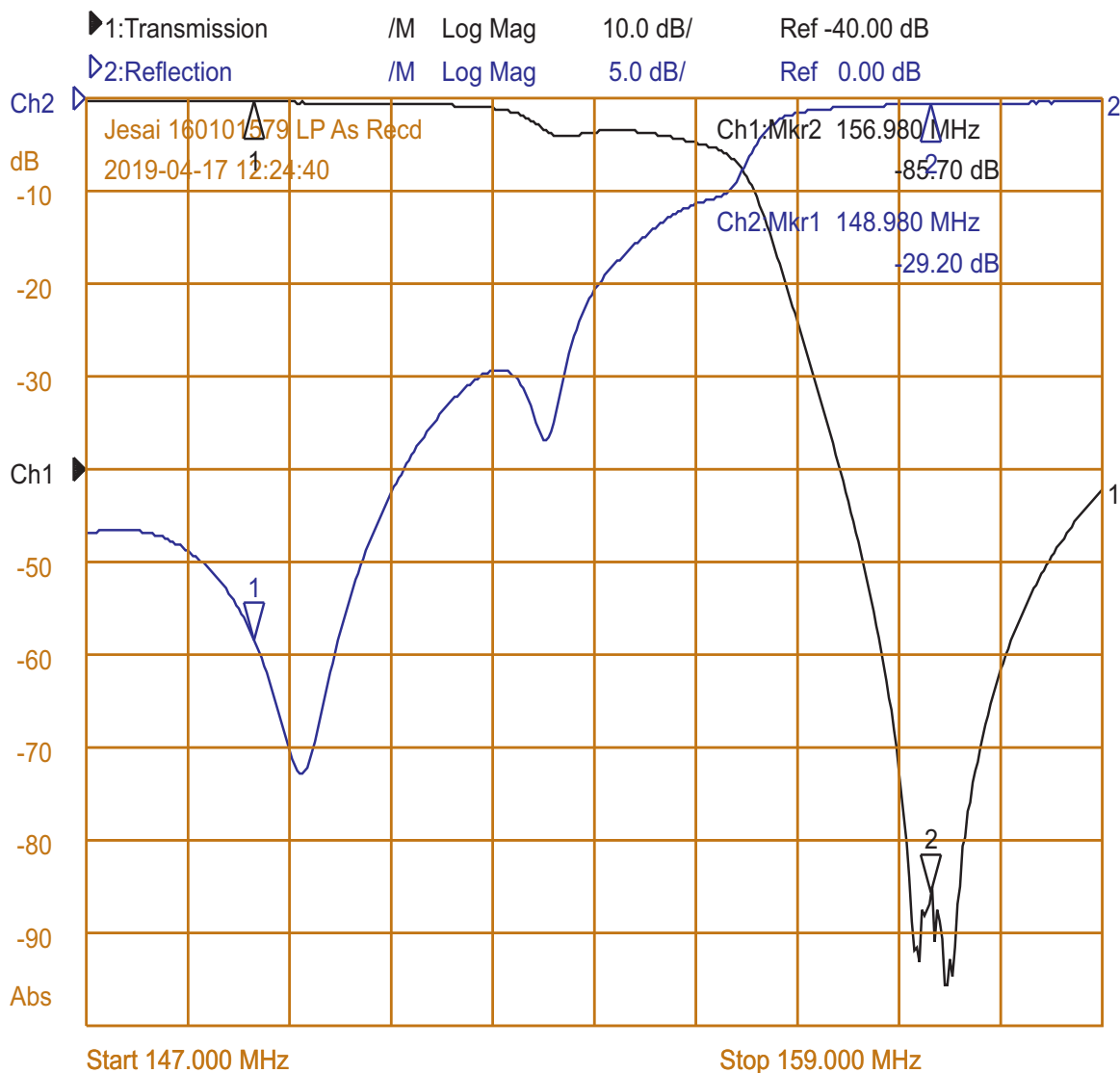
<b>Isolation: 88.14 dB</b> <b>Insertion Loss: 0.45 dB</b>	<b>Return Loss: 26.81 dB</b> <b>VSWR: 1.096:1</b> <b>Match Efficiency: 99.792%</b>
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 (334) 444-6796 [www.DuplexerRepair.com](http://www.DuplexerRepair.com)  
 (A division of Alabama Broadcast Services, LLC)

# Jiesai SGQ-150D Mobile/Compact VHF Duplexer

## Serial Number: 160101579

### Low Pass Branch Testing As Received



1:Mkr (MHz) dB	2:Mkr (MHz) dB
1: 148.98 -0.44	1> 148.98 -29.20
2> 156.98 -85.70	2: 156.98 -0.32

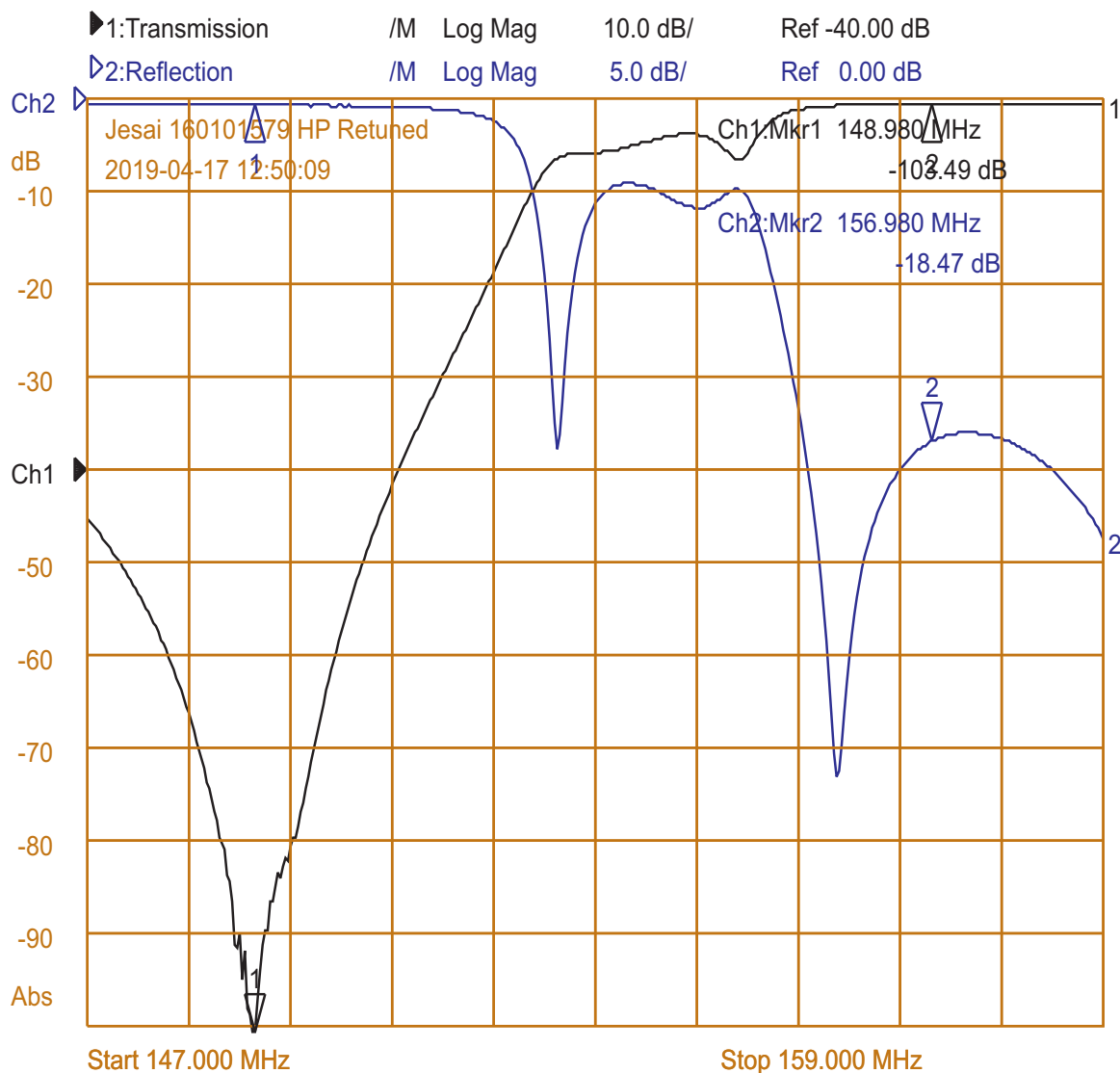
  

<b>Isolation: 85.70 dB</b> <b>Insertion Loss: 0.44 dB</b>	<b>Return Loss: 29.20 dB</b> <b>VSWR: 1.072:1</b> <b>Match Efficiency: 99.880%</b>
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# Jiesai SGQ-150D Mobile/Compact VHF Duplexer

## Serial Number: 160101579

### High Pass Branch Testing After Retuning



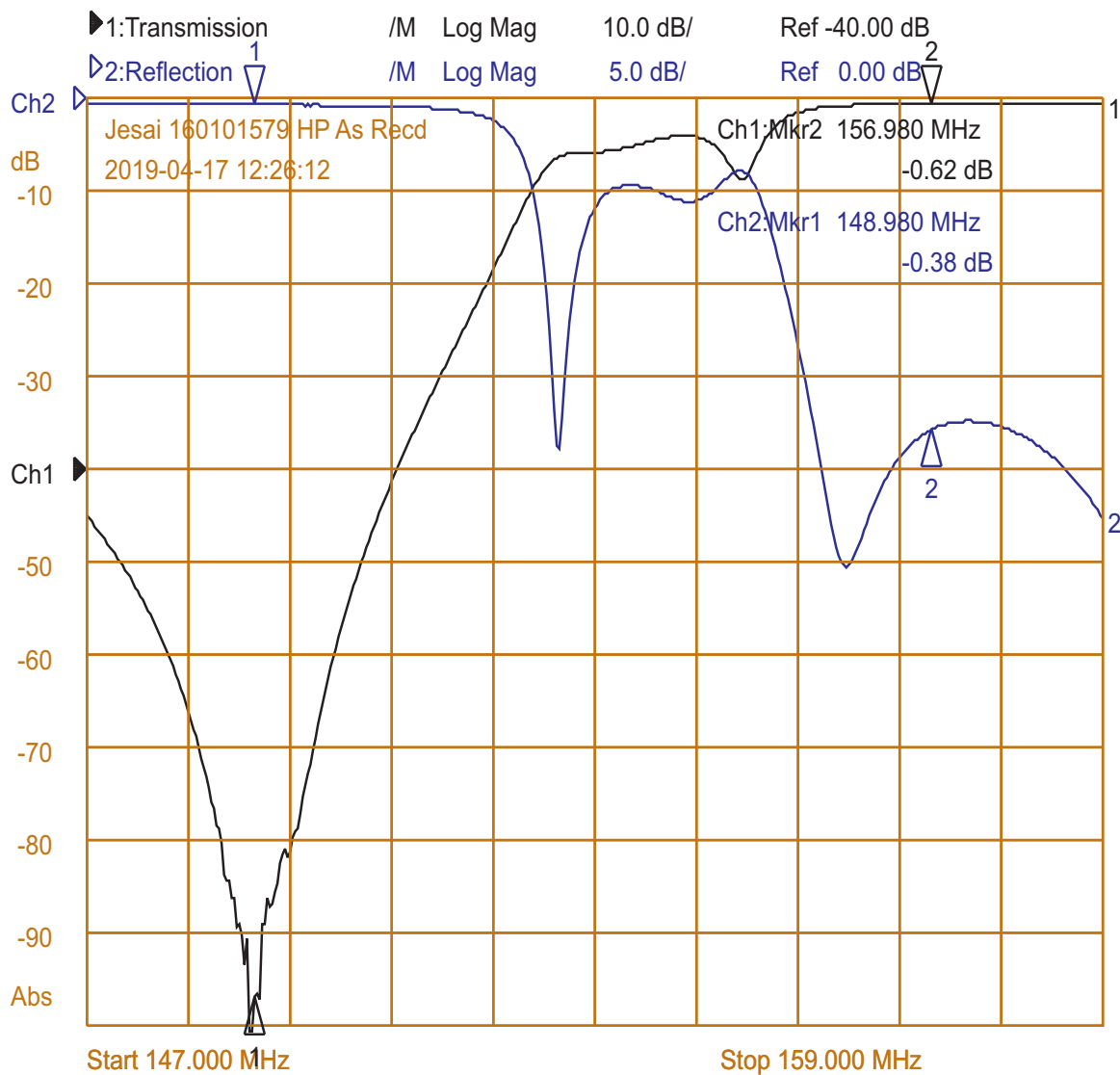
1:Mkr (MHz) dB	2:Mkr (MHz) dB
1> 148.98 -103.49	1: 148.98 -0.38
2: 156.98 -0.58	2> 156.98 -18.47
<b>Isolation: 103.49 dB</b> <b>Insertion Loss: 0.58 dB</b>	<b>Return Loss: 18.47 dB</b> <b>VSWR: 1.271:1</b> <b>Match Efficiency: 98.578%</b>

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# Jiesai SGQ-150D Mobile/Compact VHF Duplexer

## Serial Number: 160101579

### High Pass Branch Testing As Received



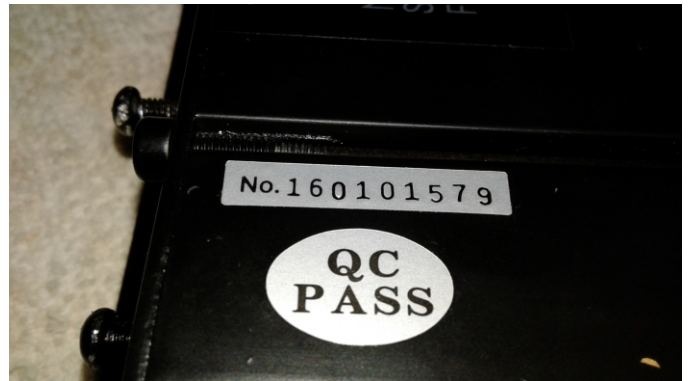
1:Mkr (MHz) dB	2:Mkr (MHz) dB
1: 148.98 -96.89	1> 148.98 -0.38
2> 156.98 -0.62	2: 156.98 -17.88
<b>Isolation: 96.89 dB</b> <b>Insertion Loss: 0.62 dB</b>	<b>Return Loss: 17.88 dB</b> <b>VSWR: 1.293:1</b> <b>Match Efficiency: 98.371%</b>

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# Jiesai SGQ-150D Mobile/Compact VHF Duplexer

Serial Number: 160101579

## Service Photos



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