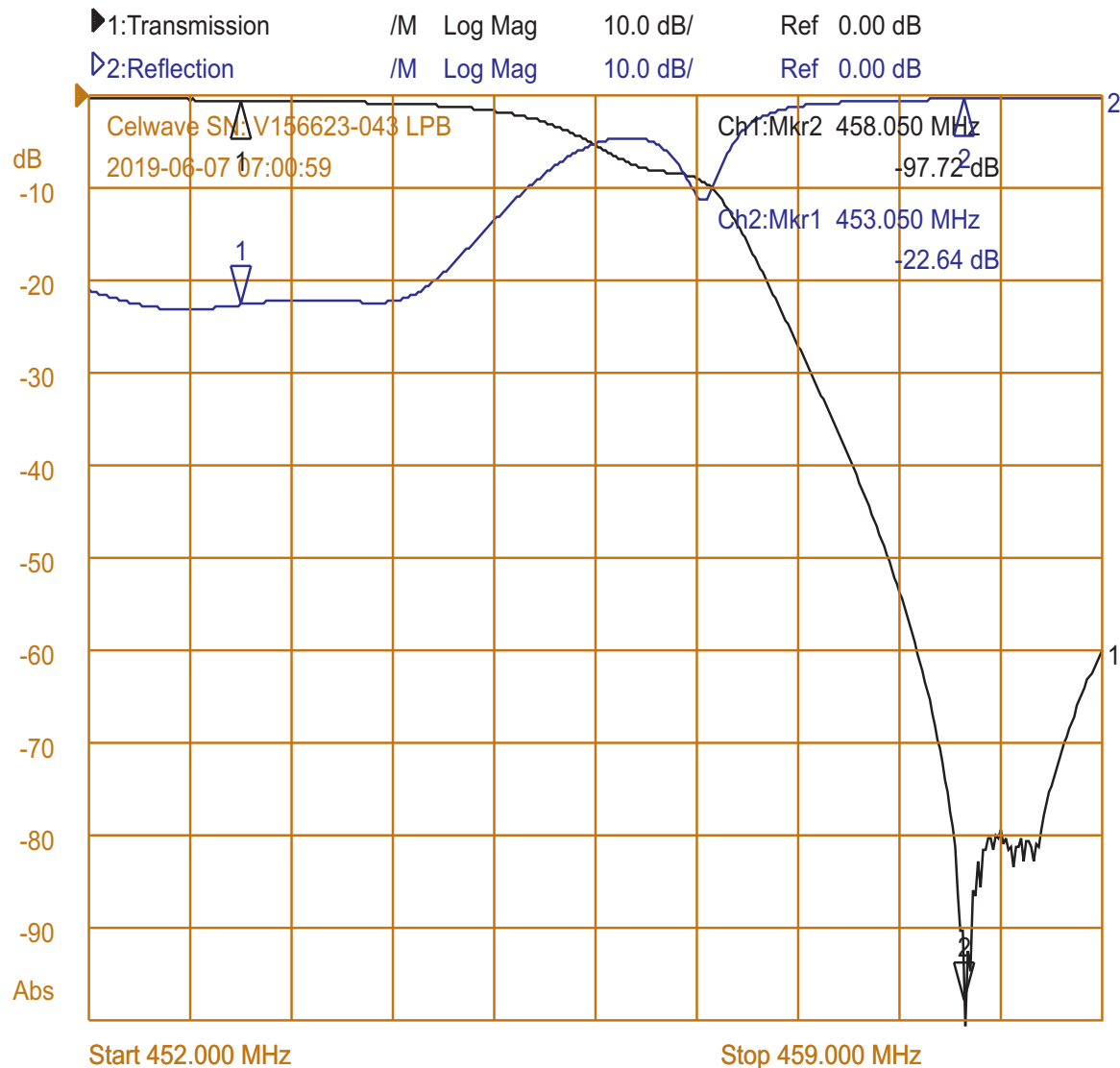


# Celwave 633-6A-2 UHF Mobile/Compact Duplexer

S/N: V156623-043

## Low Pass Branch Testing After Tuning



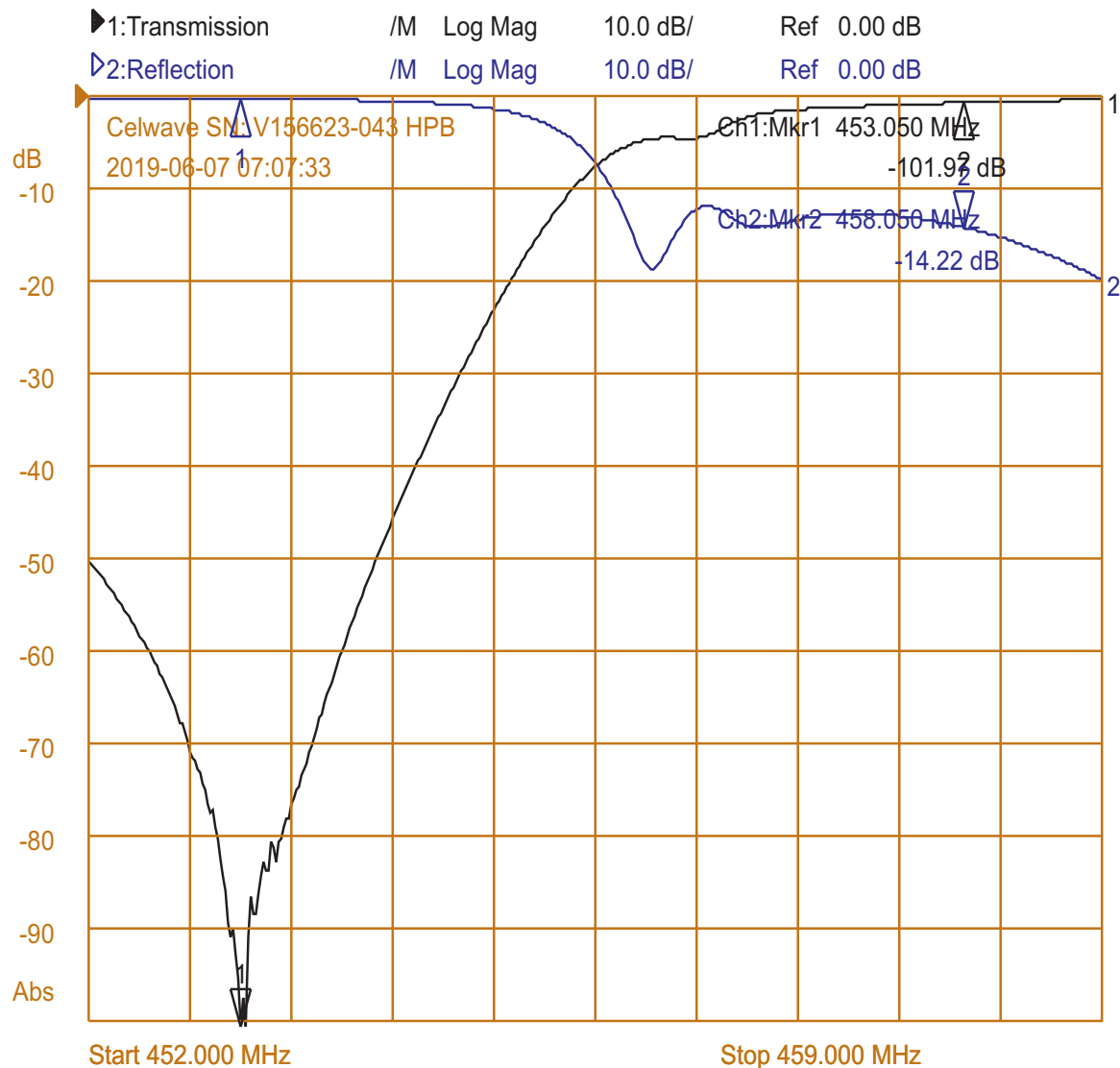
| 1:Mkr (MHz) dB                                               | 2:Mkr (MHz) dB                                                                           |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1: 453.05 -0.53                                              | 1> 453.05 -22.64                                                                         |
| 2> 458.05 -97.72                                             | 2: 458.05 -0.42                                                                          |
| <b>Isolation: 97.72 dB</b><br><b>Insertion Loss: 0.53 dB</b> | <b>Return Loss: 22.64 dB</b><br><b>VSWR: 1.159:1</b><br><b>Match Efficiency: 99.455%</b> |

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# Celwave 633-6A-2 UHF Mobile/Compact Duplexer

S/N: V156623-043

## High Pass Branch Testing After Tuning



| 1:Mkr (MHz) dB                                                | 2:Mkr (MHz) dB                                                                           |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1> 453.05 -101.97                                             | 1: 453.05 -0.28                                                                          |
| 2: 458.05 -0.72                                               | 2> 458.05 -14.22                                                                         |
| <b>Isolation: 101.97 dB</b><br><b>Insertion Loss: 0.72 dB</b> | <b>Return Loss: 14.22 dB</b><br><b>VSWR: 1.483:1</b><br><b>Match Efficiency: 99.216%</b> |

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# Celwave 633-6A-2 UHF Mobile/Compact Duplexer

S/N: V156623-043

## *Low Pass Branch Power Testing After Tuning*



Transmitter power direct to wattmeter:

Approx. 27.5 Watts



Transmitter power through low pass  
(Tx) branch of duplexer:

Approx. 22.5 Watts

**27.5 W in and 22.5 W out = 0.87 dB IL**

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# Celwave 633-6A-2 UHF Mobile/Compact Duplexer

S/N: V156623-043

## *High Pass Branch Power Testing After Tuning*



Transmitter power direct to wattmeter:

Approx. 28 Watts



Transmitter power through low pass  
(Tx) branch of duplexer:

Approx. 23 Watts

**28 W in and 23 W out = 0.85 dB IL**

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# Celwave 633-6A-2 UHF Mobile/Compact Duplexer

S/N: V156623-043

**\* Service Photos \***



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