

70cm band isolator unknown source

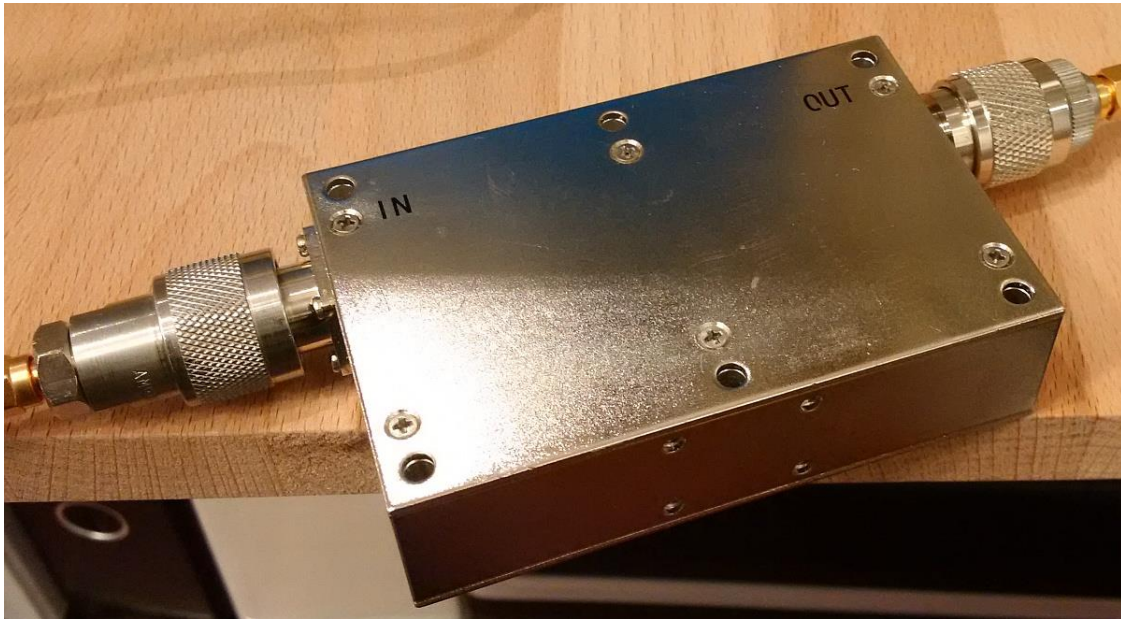
Matthias, DD1US, November 18th 2019

Hello,

At the ham radio flea market in Weinheim I was able to acquire an unknown isolator supposedly for the 70cm band for very little money. The unit has no markings with respect to the brand or part number.

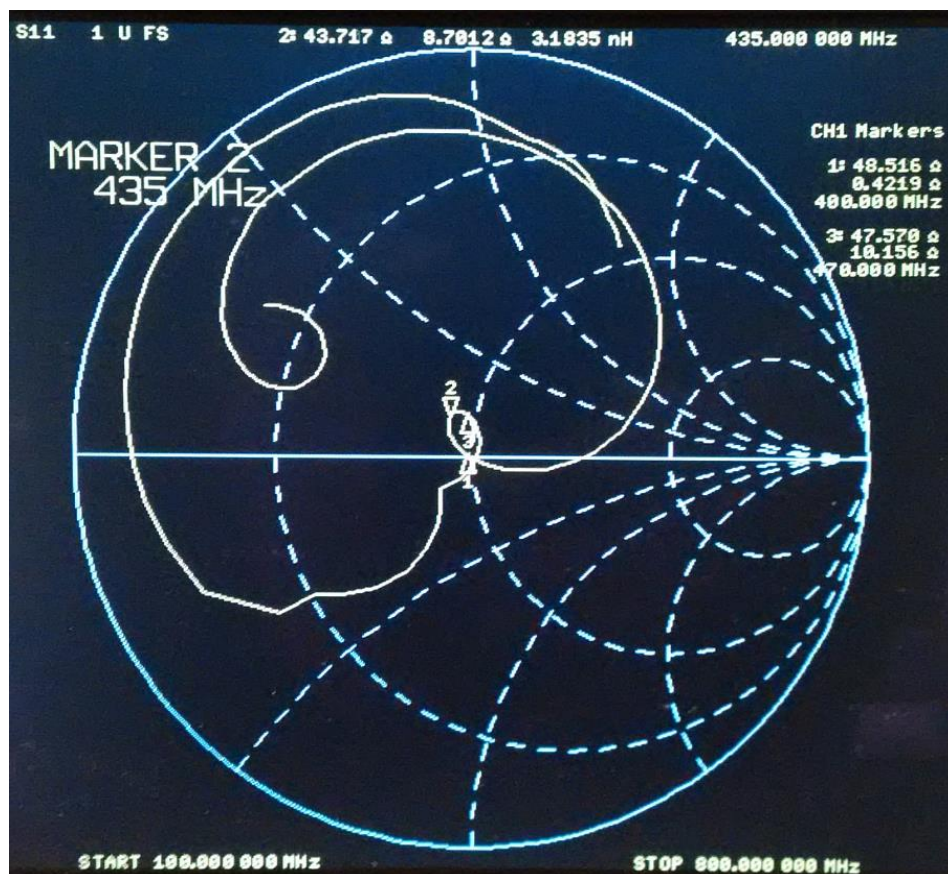
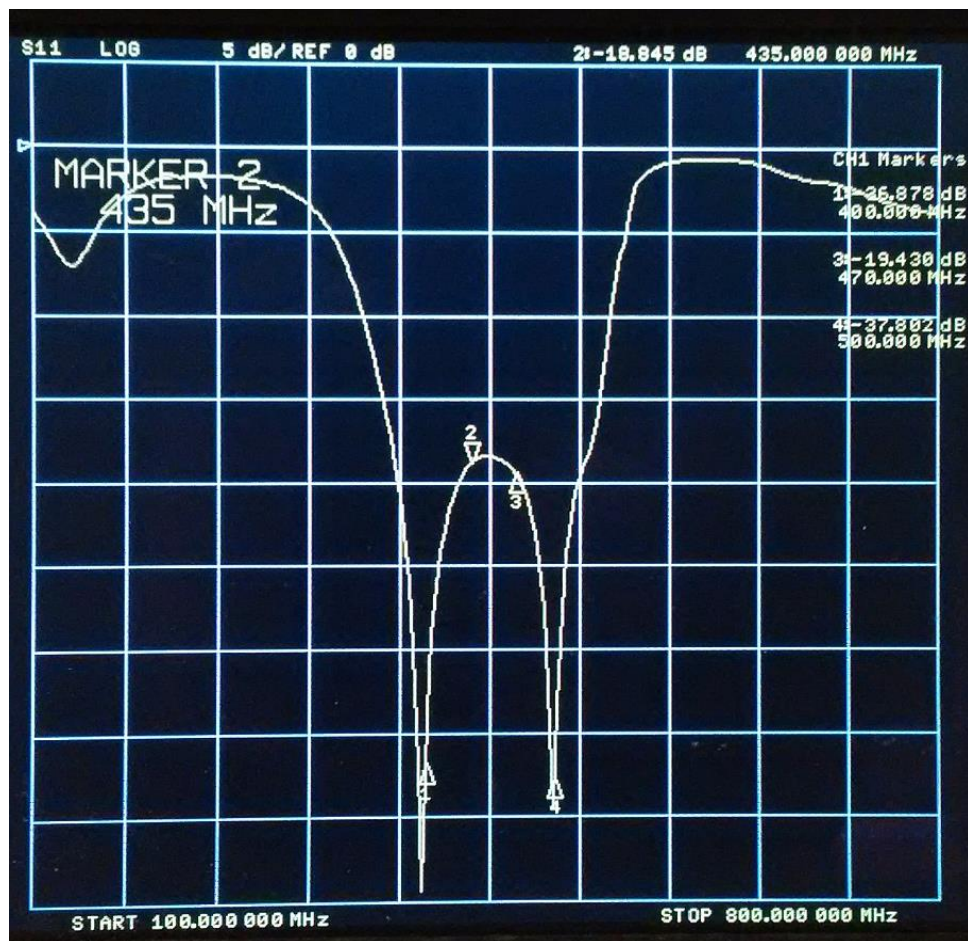
The isolator has female N connectors at the input and output port.

Here are some pictures of the isolator:



Below you will find some measurement results of this isolator for the 70cm band:

S11 input matching (return loss better than 18dB, smith chart looks perfect)



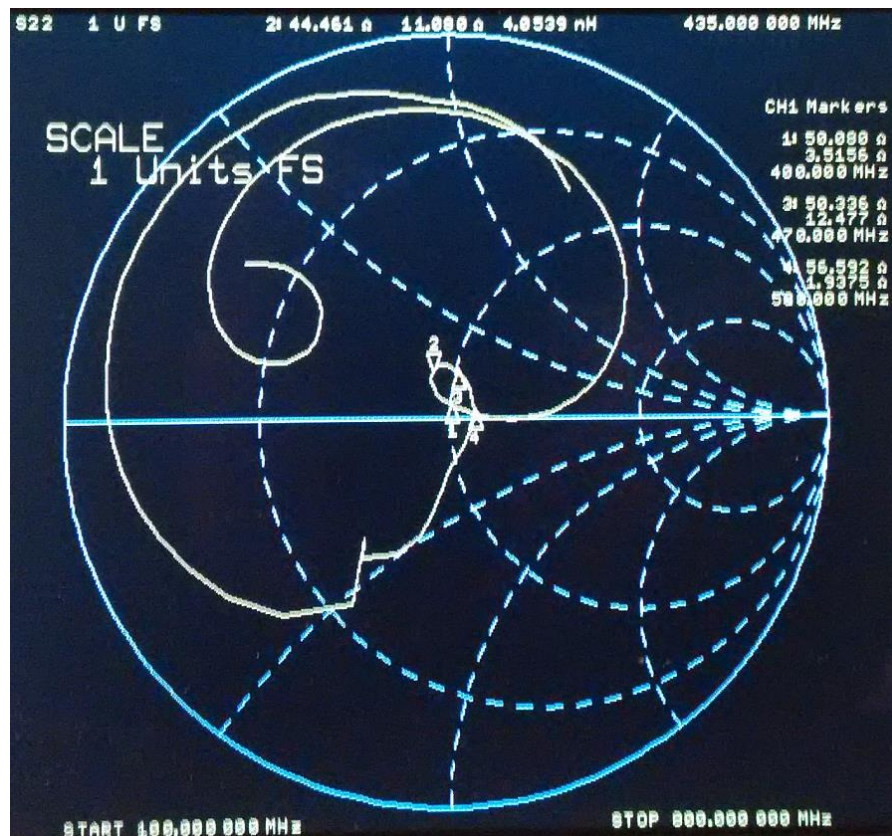
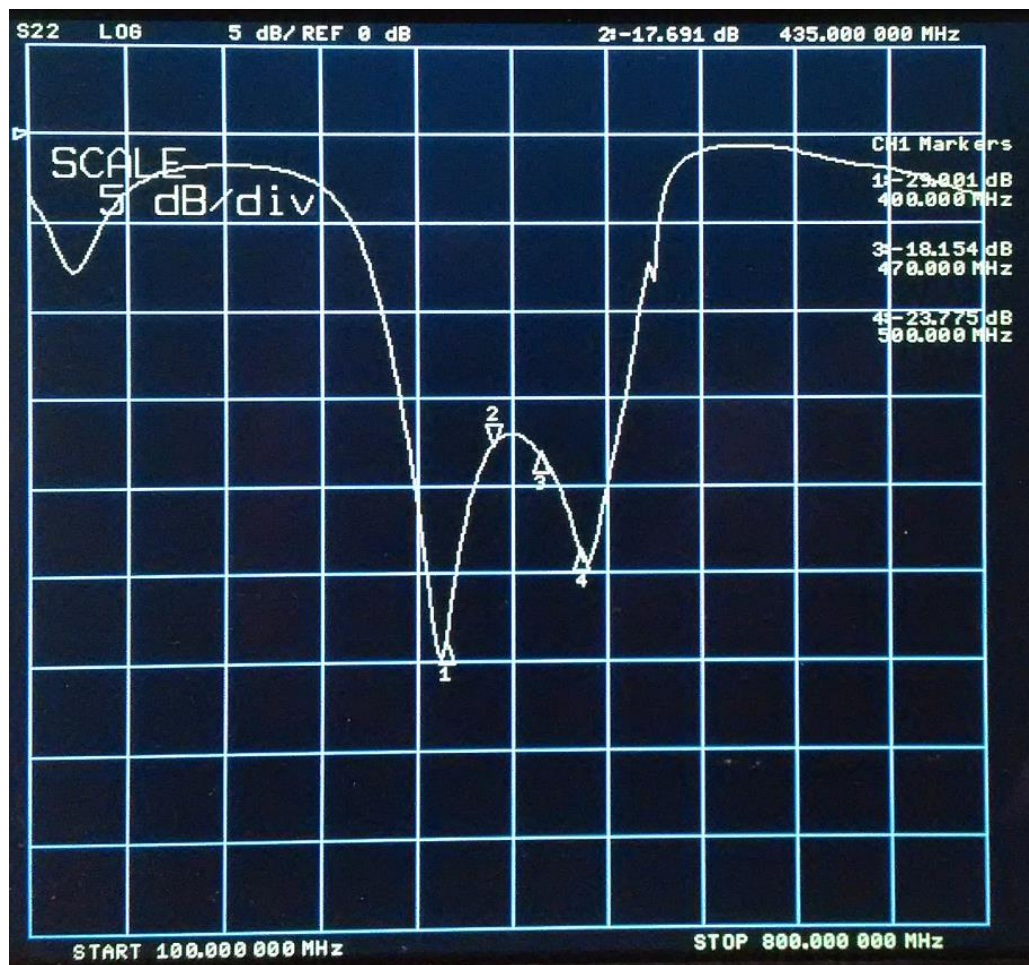
S21 forward transmission (insertion loss at 435 MHz is 0.51dB)



S12 reverse transmission (isolation at 435 MHz is -32dB)



S22 output matching (return loss at 435 MHz 18dB, smith chart looks perfect)



If you have any ideas of the brand and/or part number of this nice isolator then please drop me a note. If you might have a datasheet of this isolator, I appreciate getting an electronic copy.

I will be happy to answer questions and always appreciate feedback. Many thanks in advance.

Best regards

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