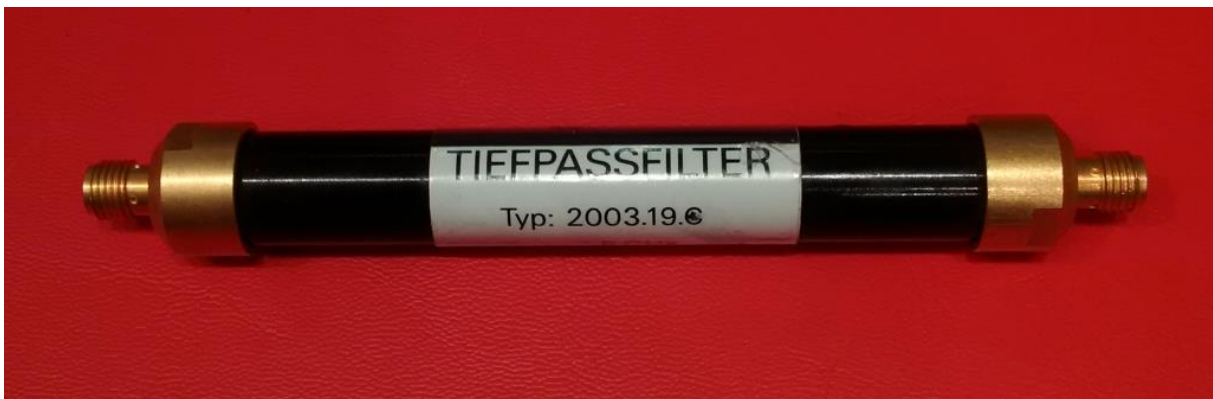


Huber + Suhner 2500 MHz Lowpassfilter

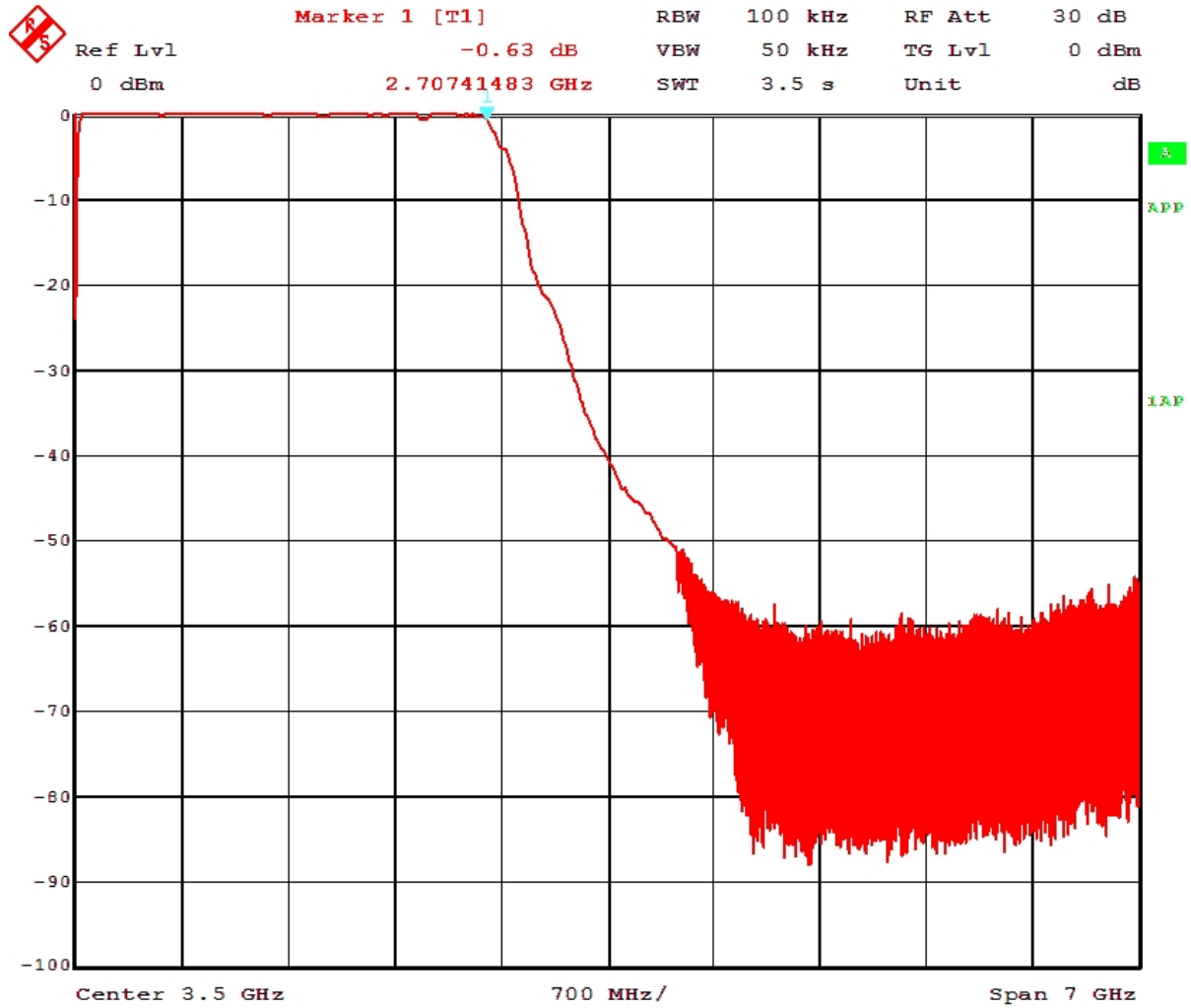
Matthias , DD1US, January 29th 2018

Hello,

This week I got hold of a tubular filter from Huber + Suhner. The type is Huber + Suhner 2003.19. It is specified as a lowpassfilter (Tiefpassfilter) with a corner frequency of 2.5 GHz. Here is how it looks like:



I measured the filter testing my new spectrum analyzer with an integrated tracking generator. Here is a screenshot of the result:



Title: 2.4 GHz Tiefpassfilter
 Date: 29.JAN.2018 23:26:49

The filter has a very low insertion loss of around 0.1 dB-0.3dB in the range from 0 Hz up to 2.65 GHz. The 3dB corner frequency is about 2.78 GHz. At 3.5 GHz the attenuation of the filter is 40dB, at 3.9 GHz it is approx. 50dB. The resolution of my measurement setup is reached at approx. 4.5 GHz with an attenuation of approx. 60dB.

I always appreciate feedback. Many thanks in advance.

Best regards

Matthias DD1US

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