Filter Data, Predicted vs. Actual (5, 6, 7 and 3 pole filters)
(Data courtesy of Mike Pomeroy, mmRadiolink)

eSeptum prediction based on **measured mechanical dimension** from the waveguide parts and septum spaces / widths (accurate to 1 micron according to Mike Pomeroy of mmRadiolink). Filter inserts were 6mil thick silver plated brass.

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**5 Pole eSeptum Prediction**
Data Courtesy of Mike Pomeroy of mmRadiolink

![5 Pole eSeptum Prediction](image1)

5 Pole filter, actual data after above filter was assembled.

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**5 Pole Measured Data**
Data Courtesy of Mike Pomeroy of mmRadiolink

![5 Pole Measured Data](image2)
6 pole eSeptum prediction based on mechanical dimensions.

6 Pole eSeptum Prediction
Data Courtesy of Mike Pomeroy, mmRadiolink

6 Poles measured data (mmRadiolink)
7 pole eSeptum prediction based on mechanical dimensions..

7 Pole eSeptum Prediction
Data Courtesy of Mike Pomeroy, mmRadiolink

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7 poles measured data (mmRadiolink)

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3 pole eSeptum prediction based on mechanical dimensions

3 Pole eSeptum Prediction
Data Courtesy of Mike Pomeroy, mmRadiolink

3 poles measured data (mmRadiolink)

End of Report