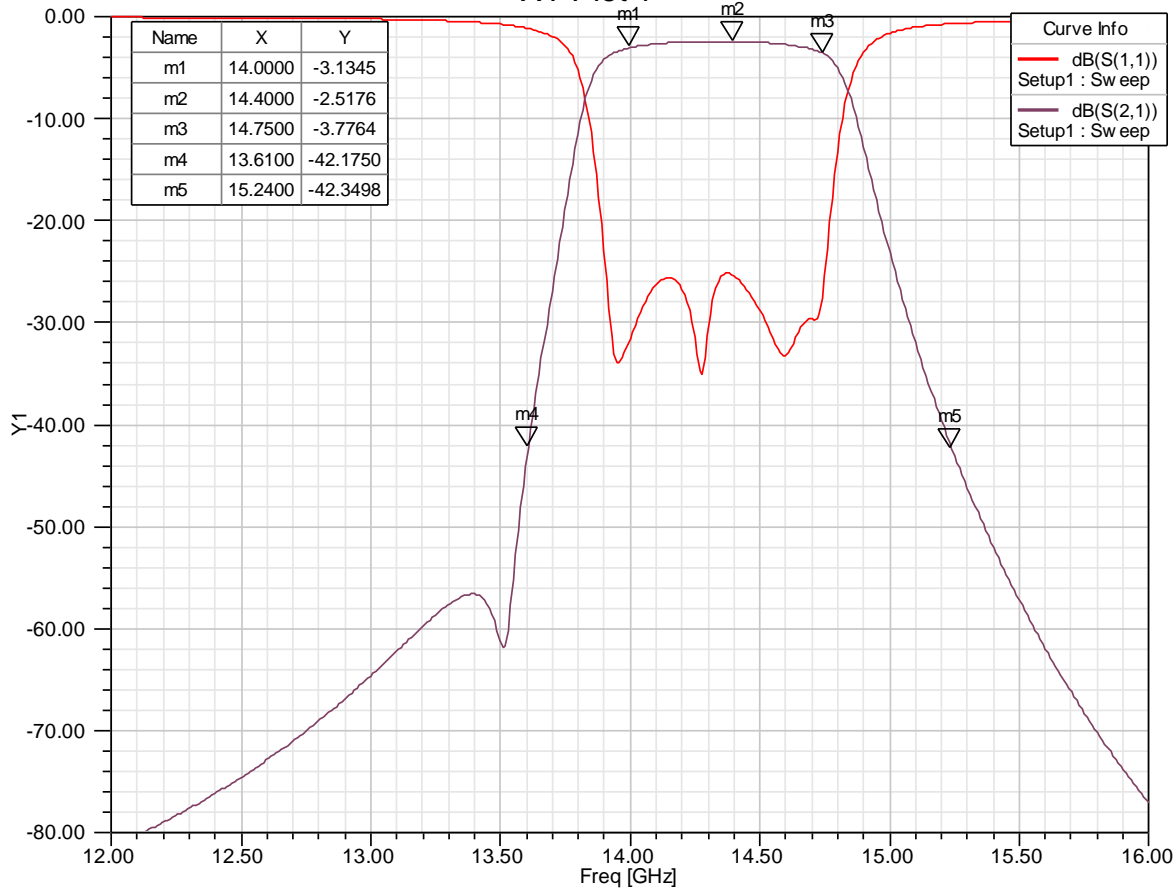


Simulated Data in HFSS

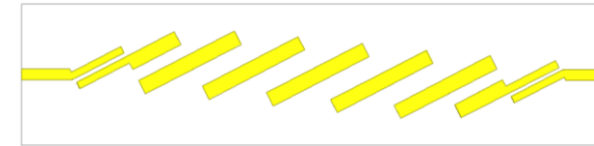
XY Plot 1

085 ▲



0.800in

0.180 in



Parameters	
Pass-Band Frequency	14-14.75 GHz
Insertion Loss	2.6 dB @ Fc
Insertion Loss Flatness	<1.3dB
Return Loss	>20dB
40dB Rejection Frequency	13.61 GHz & 15.24 GHz
Material	Alumina er=9.9
Board Thickness	0.015 in
Metallization	TiW/Au 0.22 mil thick
Cavity Above Substrate	0.100 in

- Actual hardware data may be different from the simulated data depending on the material quality, accuracy of the dielectric constant & thickness, metallization type, etching tolerance, housing material, method of substrate attachment to the housing, and any mismatch between the filter and the interface port of the measuring device.