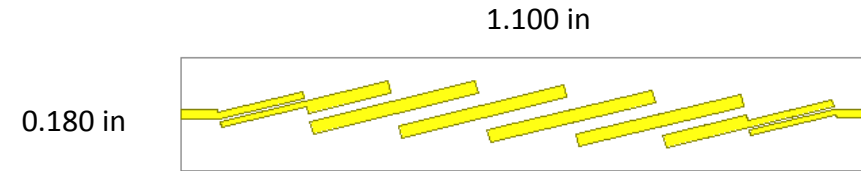
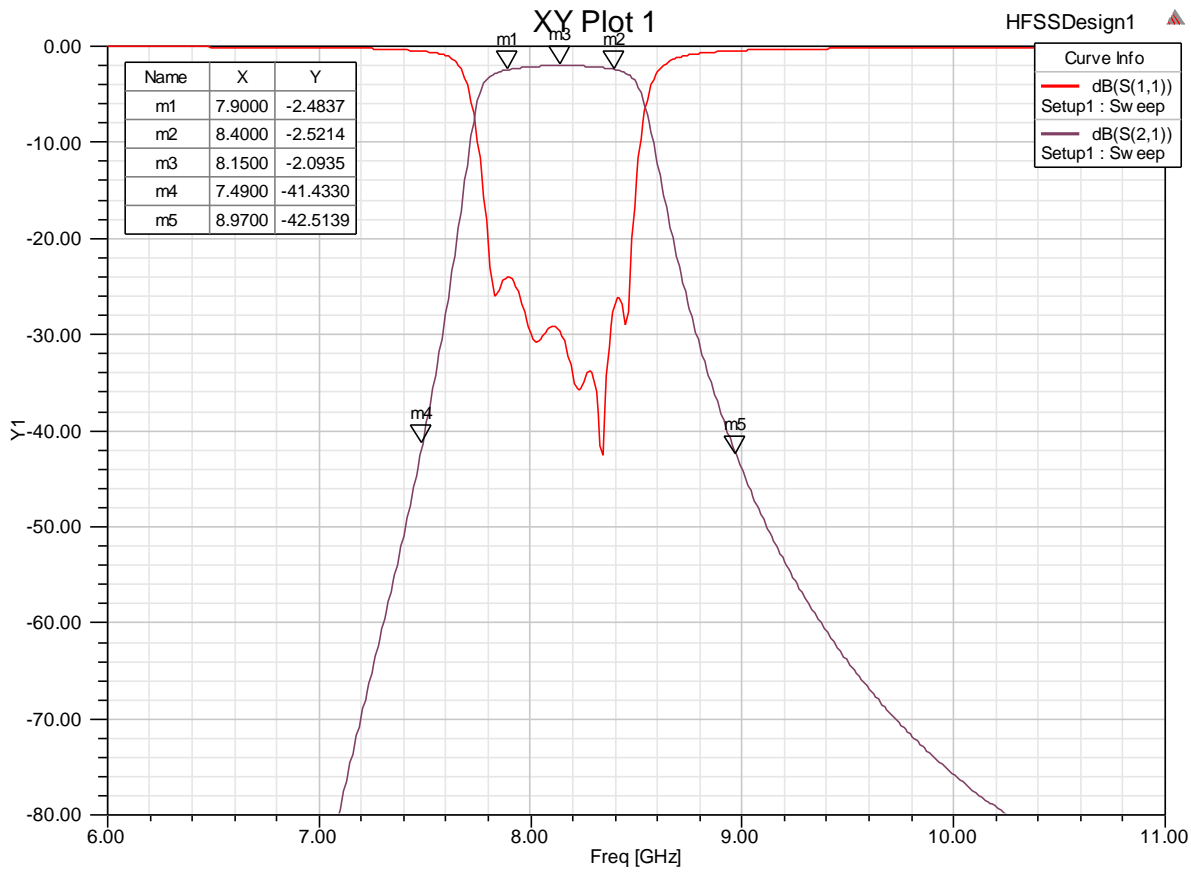


Simulated Data in HFSS

| Parameters | |
|--------------------------|-----------------------|
| Pass-Band Frequency | 7.9-8.4 GHz |
| Insertion Loss | 2.2dB @ Fc |
| Insertion Loss Flatness | <0.5dB |
| Return Loss | >20dB |
| 40dB Rejection Frequency | 7.49 GHz & 8.97 GHz |
| Material | Alumina er=9.9 |
| Board Thickness | 0.015 in |
| Metallization | TiW/Au 0.22 mil thick |
| Cavity Above Substrate | 0.120 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.