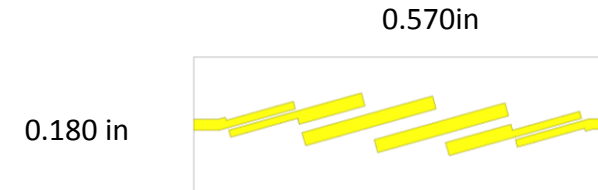
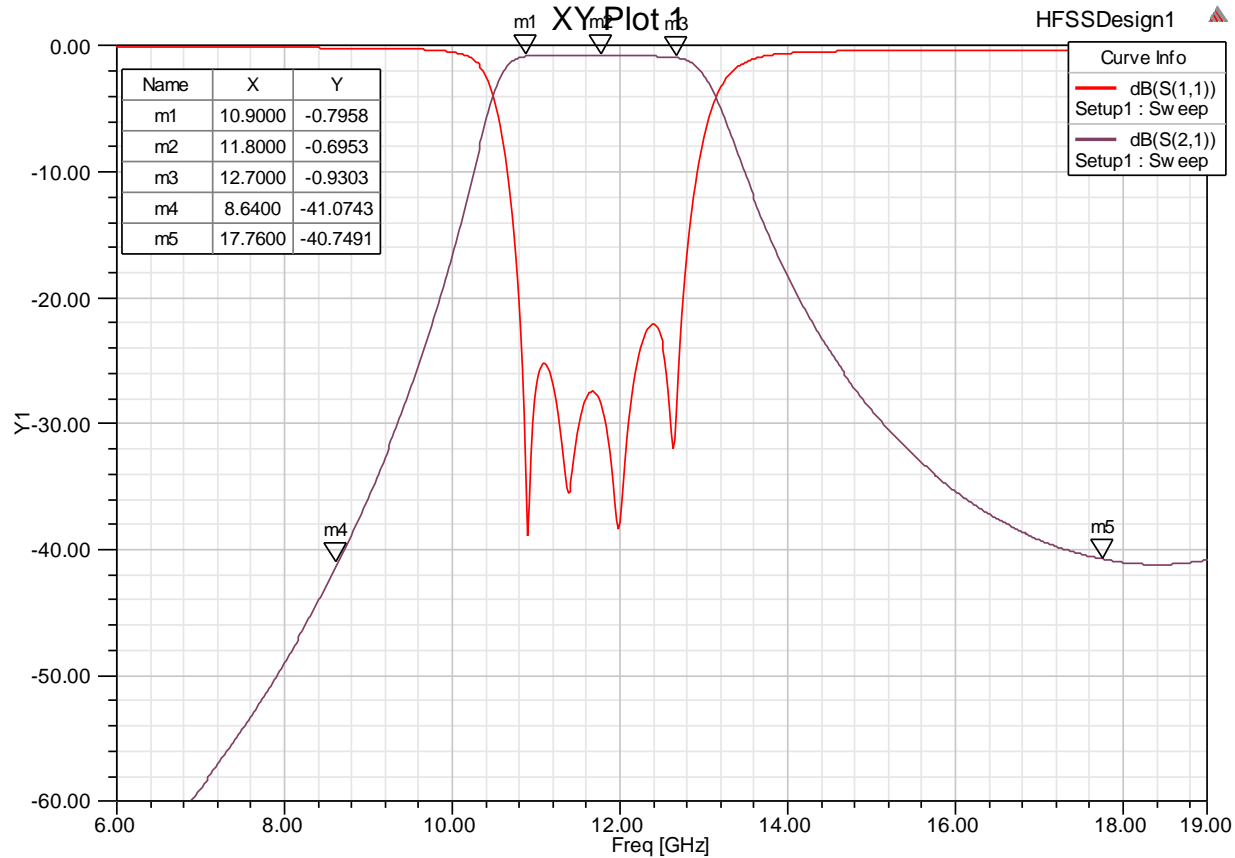


**Simulated Data in HFSS**

| Parameters               |                       |
|--------------------------|-----------------------|
| Pass-Band Frequency      | 10.9-12.7 GHz         |
| Insertion Loss           | 0.7dB @ Fc            |
| Insertion Loss Flatness  | <0.2dB                |
| Return Loss              | >20dB                 |
| 40dB Rejection Frequency | 8.64 GHz & 17.76 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.