

Test results of Band Pass Filter

Test by Hyo-Soon Kang

Company: HP

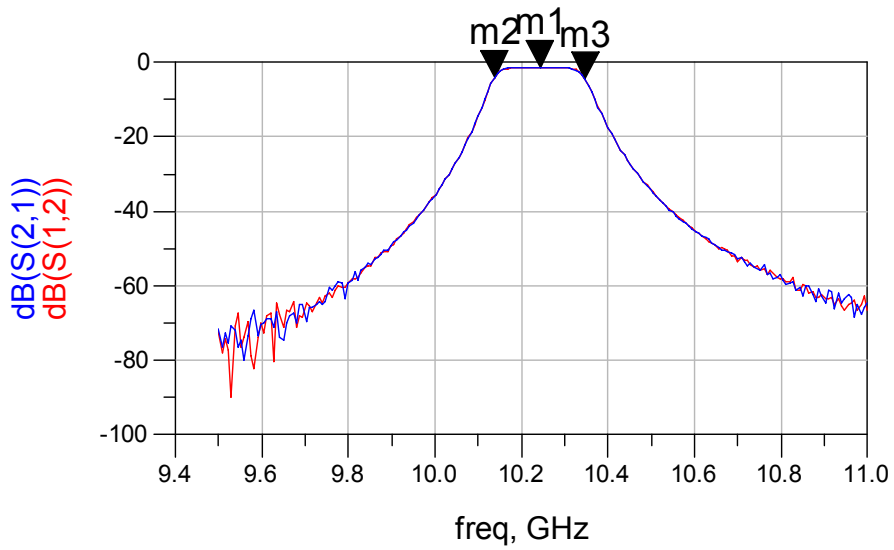
Model: PN 0033 0446

Experimental setup

- E8394A PNA Network Analyzer
- Power: -15dBm
- E-calibration
- Only two K-to-V adapters are not calibrated

Summary of results

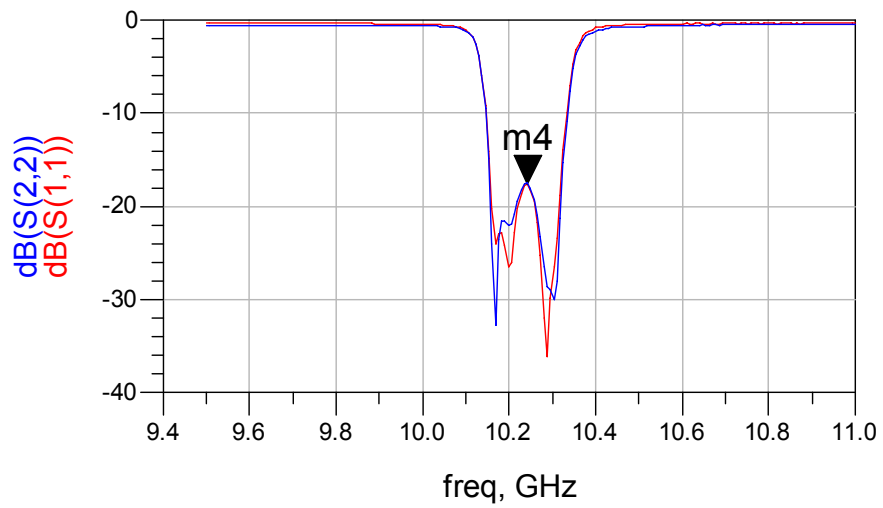
- Pass band: 10.14GHz ~ 10.35GHz
- Bandwidth: 210MHz
- Center frequency: 10.24GHz
- $Q = 10.24/0.21 = 48.7$
- Insertion loss: 1.4 dB



m2
freq=10.14GHz
dB(S(1,2))=-4.180

m1
freq=10.24GHz
dB(S(1,2))=-1.424

m3
freq=10.35GHz
dB(S(1,2))=-4.651



m4
freq=10.24GHz
dB(S(1,1))=-17.525