

3-Port De-embedding and S3P collection method

Calibration extended to the yellow lines on U1 using a blank EVB. Network Analyzer cable calibration length is now augmented to include trace lengths.

Device is mounted and de-embedded 3-Port S-Parameters are gathered. Bias-Ts internal to the NA are used to provide Voltage to Port3 and Port2.

During S3P Data collection:

J2 Header Ven2(Vcc1)=5v, Vbias1&2=5v

Port2 Connection supplies Stage 2 of the PA and Port 3 supplies Stage 3.

Network
Analyzer
Port1

Network
Analyzer
Port2 via
SMA pigtail

Network
Analyzer
Port3

Calibration on the Network Analyzer extends cal to the U1 site as shown using Port Extension Feature on the Network Analyzer. (open and short to correct calibration reference plane).