

Introduction: LCAL06A precision network calibration kit provides an accurate and reliable Short-Open-Load-Thru (SOLT) or Load-Reflect-Match (LRM) calibration of a vector network analyzer. It has been proven having identical performance of Agilent 85033 calibration kit or Agilent 85052 kit of DC to 6 GHz range.

Performance Verification: The Agilent 85052D calibration kit and the 20 dB precision pad of HP 85053B verification kit are used to compare the measured insertion loss and phase. Agilent vector network analyzer 8753ES is used for the measurement.

Figure 1 shows the actual 20 dB precision pad connected with a 3.5 mm female to female adaptor.

Figure 2 is the measured insertion loss under the calibrations using calibration kits of 85052D and LCAL06A, respectively. The difference between the 2 measurements is less than 0.01 dB.

Figure 3 presents the measured phase, ANG[S12], difference between the 2.

Figure 4 demonstrates the worst phase difference at around 6 GHz, which is less than 1 degree.

Figure 5 is the measured S11 under the calibrations using calibration kits of 85052D and LCAL06A, respectively.

Figure 6 is the measured S22 under the calibrations using calibration kits of 85052D and LCAL06A, respectively.



Figure 1

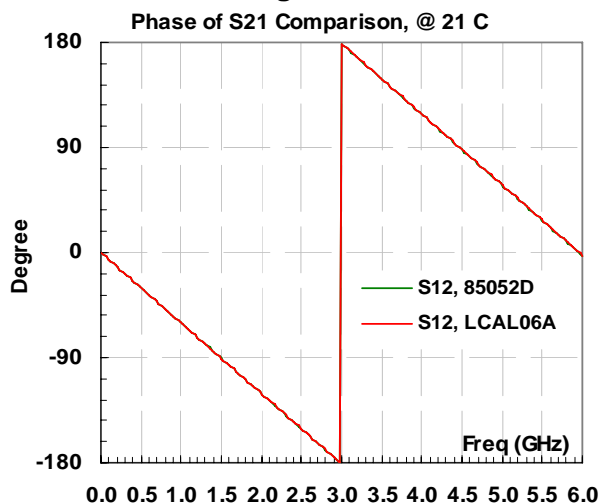


Figure 3

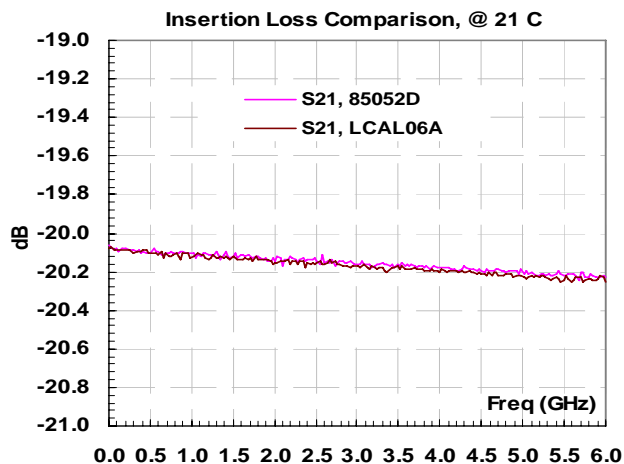


Figure 2

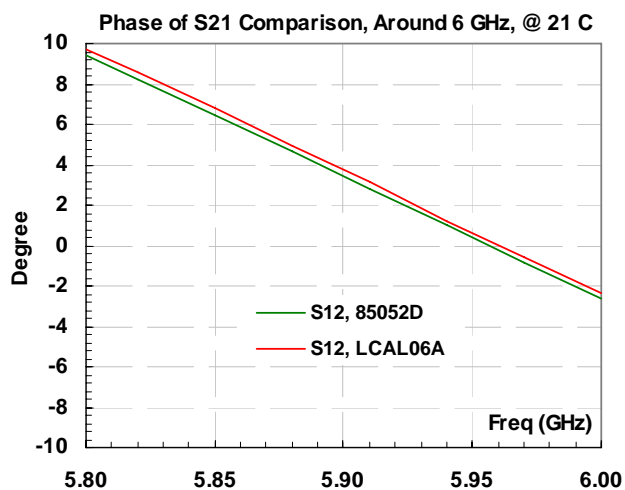
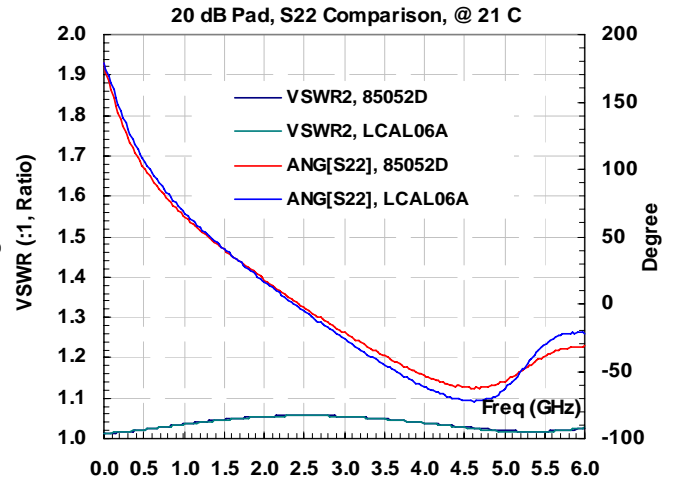
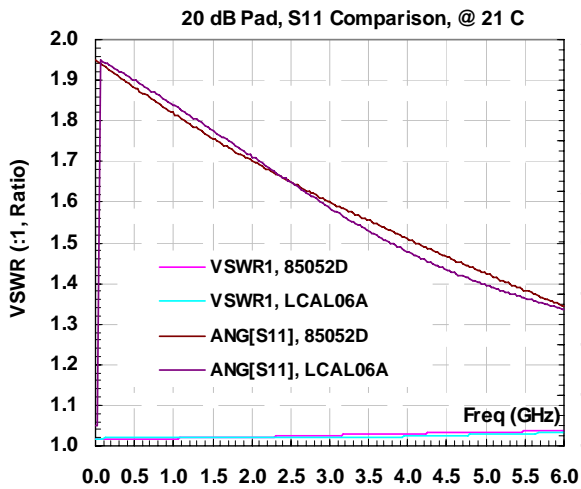


Figure 4



LCAL06A

Performance Verification Report



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