Example Summary

Perform two simultaneous calibrations in two separate channels and with two different cal kits on a ZVA.

Steps

On a ZVA:

- Load 'HighBand (No OSHORT1).calkit'
- Load 'LowBand (No OSHORT3).calkit'
- Load 'Example_Set.zvx'

Then send the following SCPI commands:

Set channel 1 ports to 3.5 mm male
:SENS1:CORR:COLL:SCON1 'BoeingConnector1',MALE
:SENS1:CORR:COLL:SCON2 'BoeingConnector1',MALE

Select cal kit, define channel 1 calibration
:CORR:CKIT:LSEL 'BoeingConnector1','LowBand','No OSHORT3'
:SENS1:CORR:COLL:METH:DEF 'Channel 1 Cal',TOSM,1,2

Set channel 2 ports to 3.5 mm male
:SENS2:CORR:COLL:SCON1 'BoeingConnector2',MALE
:SENS2:CORR:COLL:SCON2 'BoeingConnector2',MALE

Select cal kit, define channel 2 calibration
:CORR:CKIT:LSEL 'BoeingConnector2','HighBand','No OSHORT1'
:SENS2:CORR:COLL:METH:DEF 'Channel 2 Cal',TOSM,1,2

Perform sweep in channel 1 of Offset Short 1 on Port 1
:SENS1:CORR:COLL:SEL OSHORT1,1

Perform sweep in channel 2 of Offset Short 3 on Port 1
:SENS2:CORR:COLL:SEL OSHORT3,1

Perform sweep in channel 1 of Offset Short 1 on Port 2
:SENS1:CORR:COLL:SEL OSHORT1,2

Perform sweep in channel 2 of Offset Short 3 on Port 2
:SENS2:CORR:COLL:SEL OSHORT3,2

Because we are referencing cal standards that are only available in one of the two kits, we can conclude that the VNA is referencing the right cal kit for each channel if there are no SCPI command errors.