

Desired behavior:

I want to create two channels and perform two simultaneous calibrations with two different cal kits.

Problem:

The VNA will not let you select different cal kits for different channel calibrations

i.e. The following command is not channel-specific:

```
[SENSe:]CORRection:CKIT:LSElect <ConnectorType>, <CalKitName>, <KitLabel>
```

... The last such command sent changes the cal kit for all channels and all current calibrations

Example:

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 'PC 3.5',MALE
```

```
:SENS1:CORR:COLL:SCON2 'PC 3.5',MALE
```

Select cal kit, define channel 1 calibration

```
:CORR:CKIT:LSEL 'PC 3.5','HighBand','No OSHORT1'
```

```
:SENS1:CORR:COLL:METH:DEF 'Channel 2 Cal',TOSM,1,2
```

Perform sweep in channel 1 of Offset Short 3 on Port 1

```
:SENS1:CORR:COLL:SEL OSHORT3,1
```

Set channel 2 ports to 3.5 mm male

```
:SENS2:CORR:COLL:SCON1 'PC 3.5',MALE
```

```
:SENS2:CORR:COLL:SCON2 'PC 3.5',MALE
```

Select cal kit, define channel 2 calibration

```
:CORR:CKIT:LSEL 'PC 3.5','LowBand','No OSHORT3'
```

```
:SENS2:CORR:COLL:METH:DEF 'Channel 2 Cal',TOSM,1,2
```

Perform sweep in channel 2 of Offset Short 1 on Port 1

```
:SENS2:CORR:COLL:SEL OSHORT1,1
```

This command should sweep in channel 1 offset short 3 on Port 2.

This command errors because the cal kit for channel 1 has changed to 'LowBand', 'No OSHORT3'

```
:SENS1:CORR:COLL:SEL OSHORT3,2
```