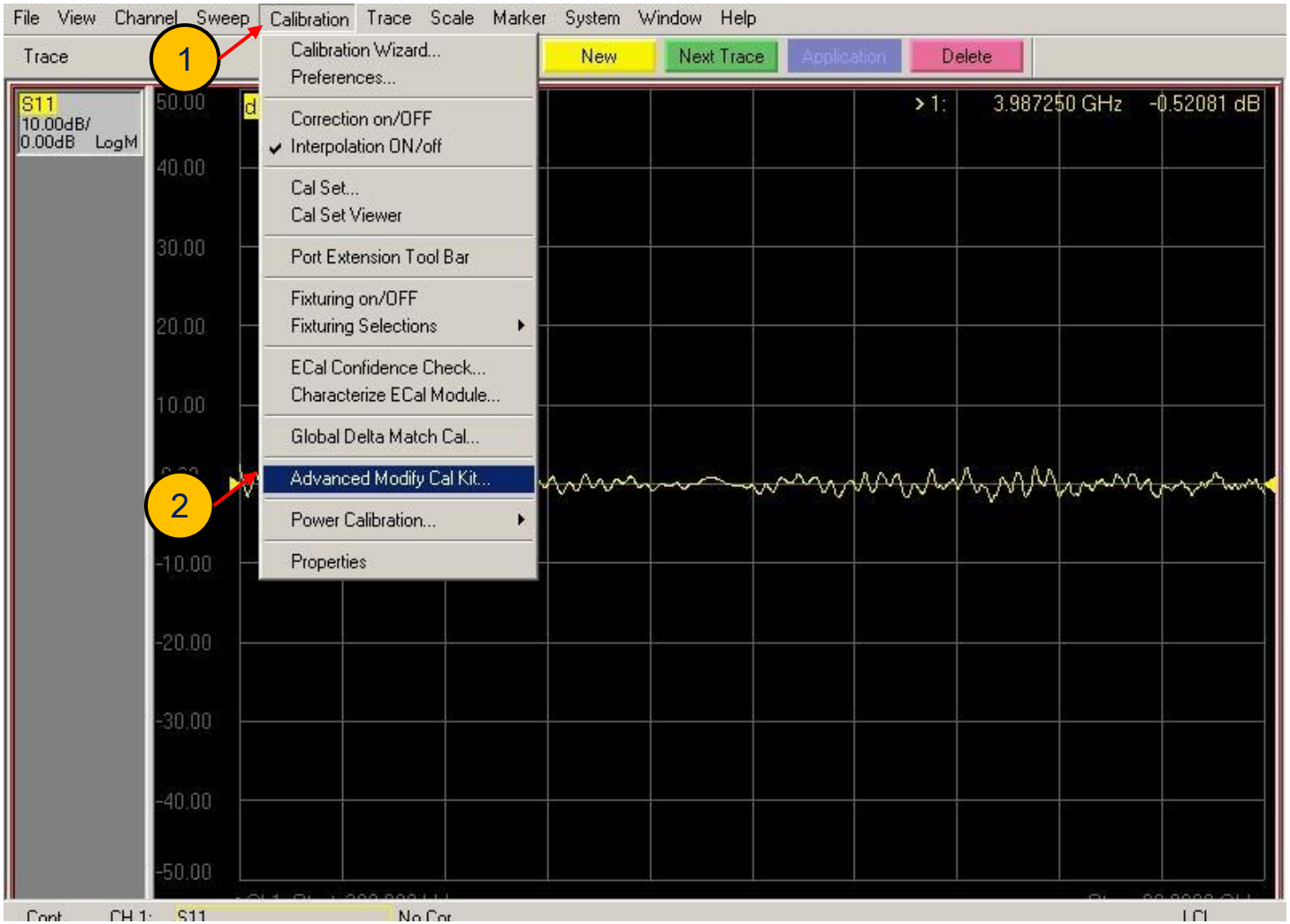
MPI CORPORATION

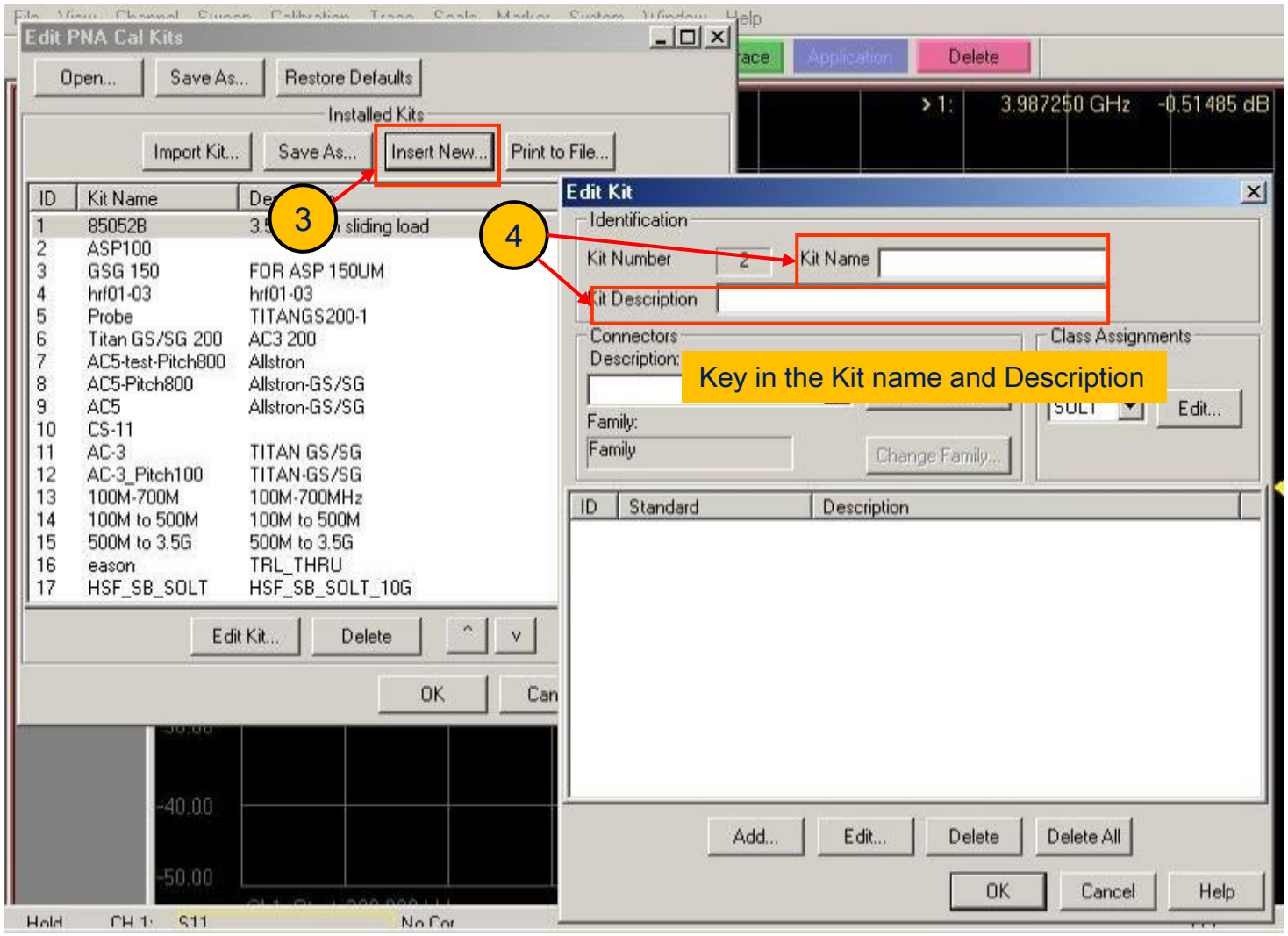
# How to define Keysight PNA Cal Kit for TITAN™ Probes

A Step-by-step example for T26-GSG0150 probes,
AC-2 calibration substrate and 20 GHz PNA-L Keysight VNA

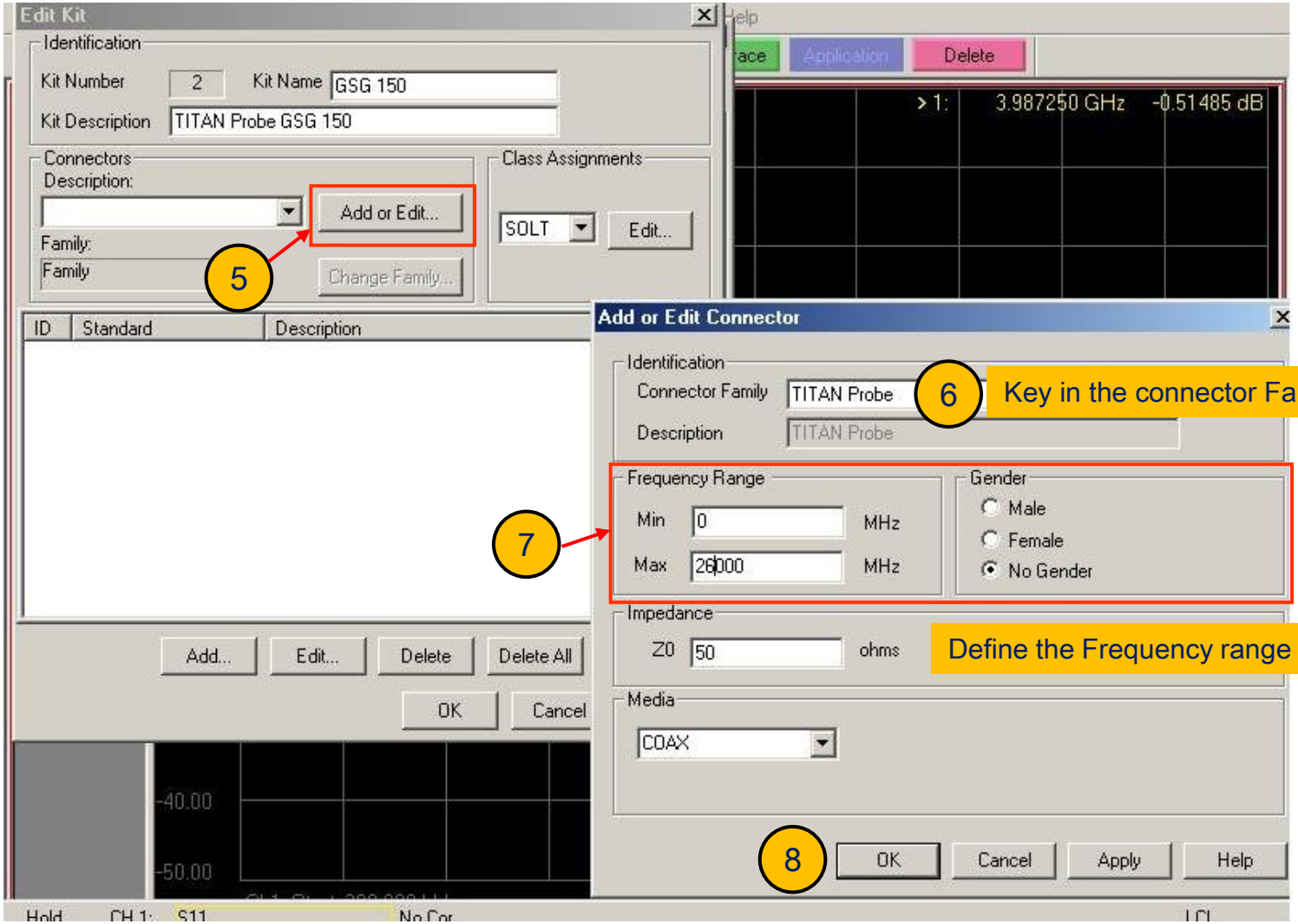
# Create a New Cal Kit



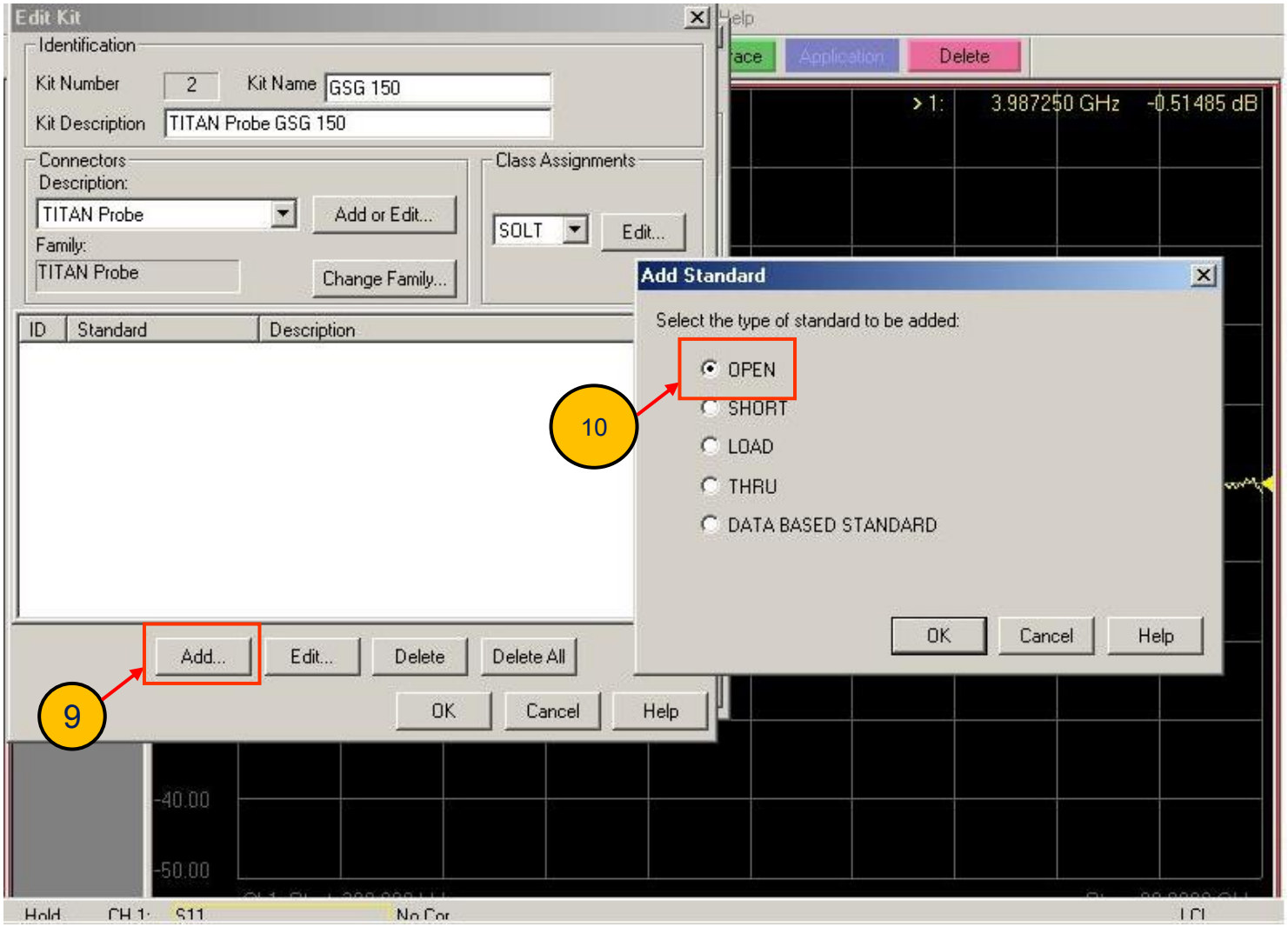
# Insert New One



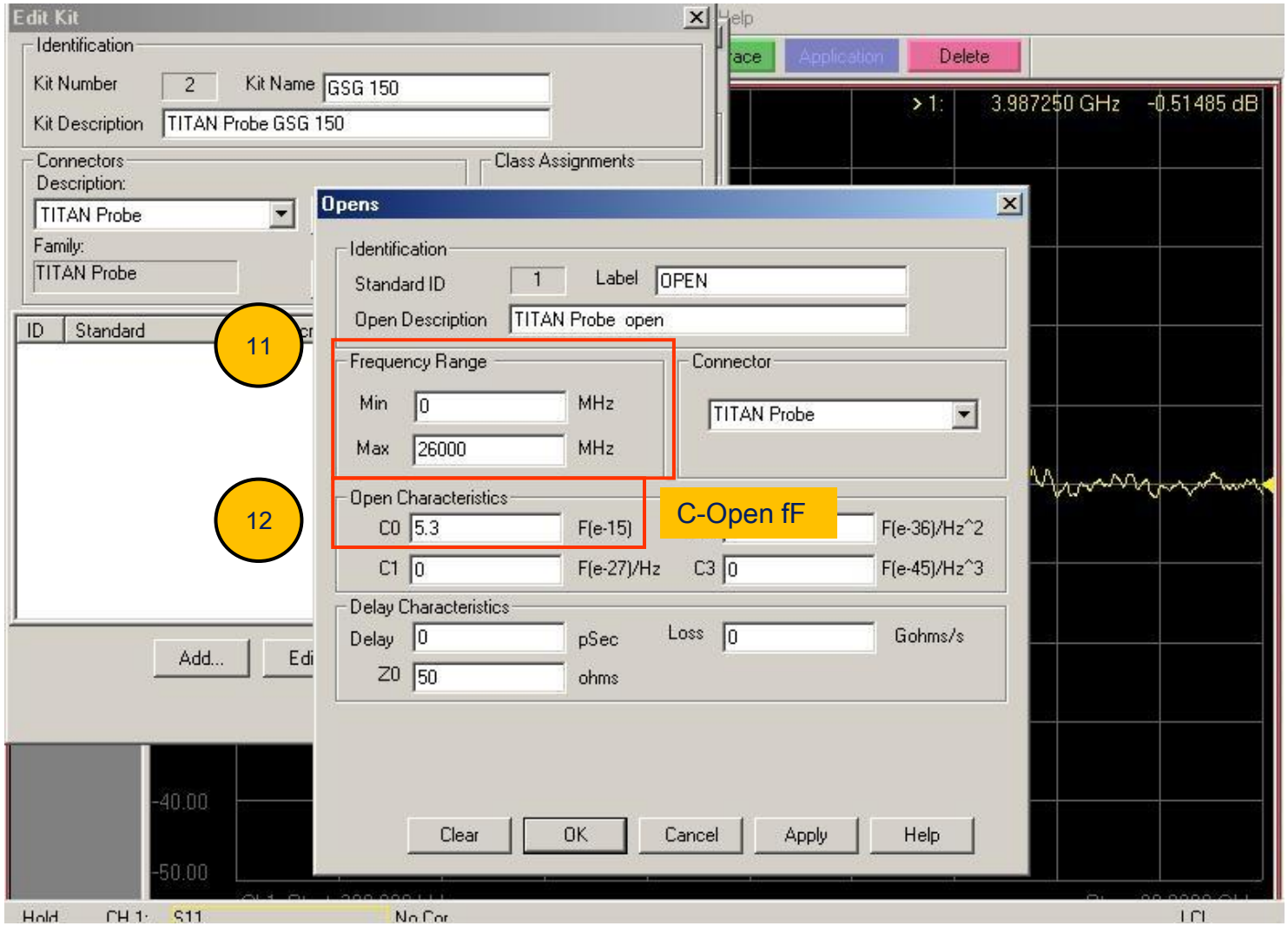
# Add / Edit Connector



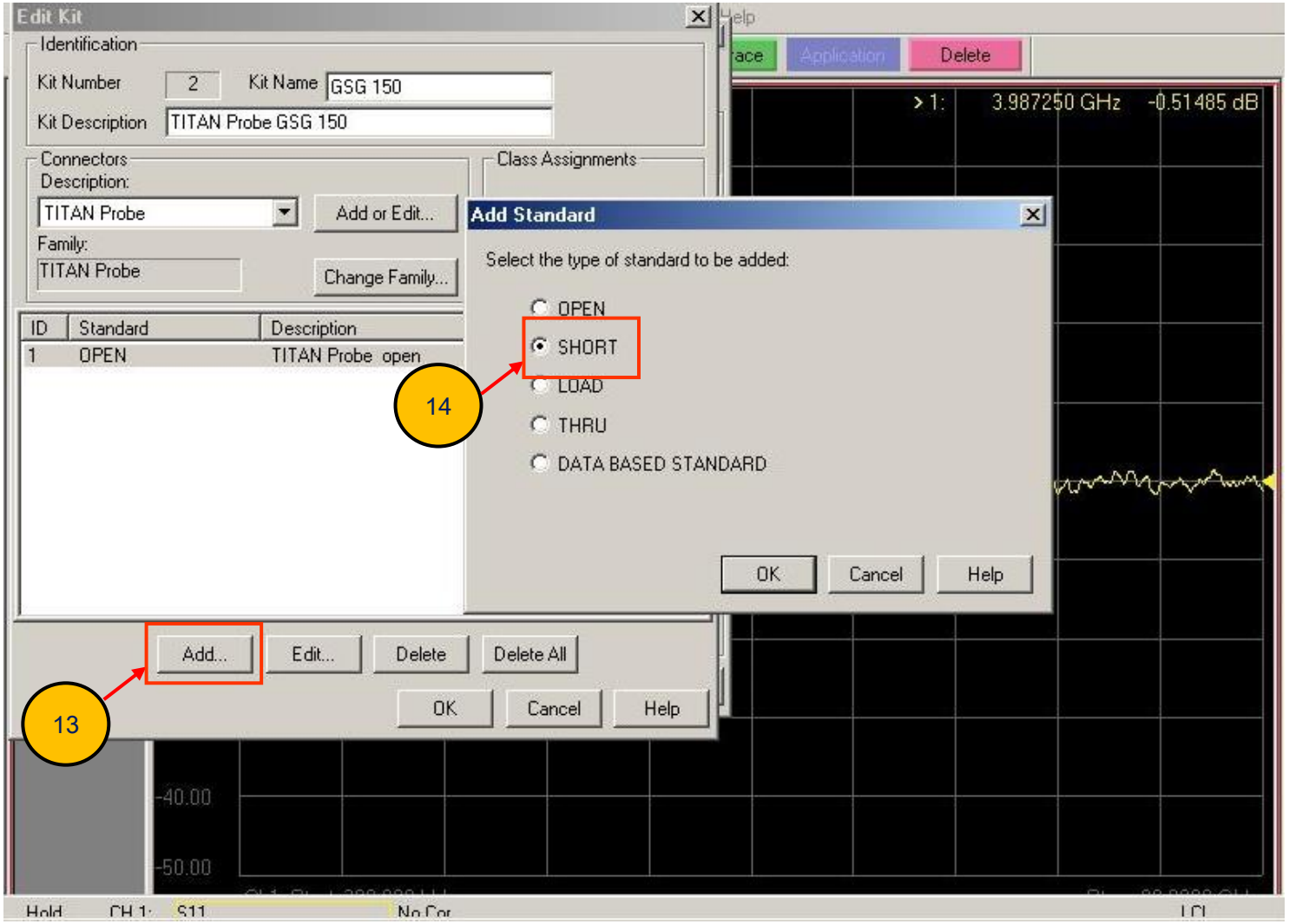
# Add Standard (OPEN)



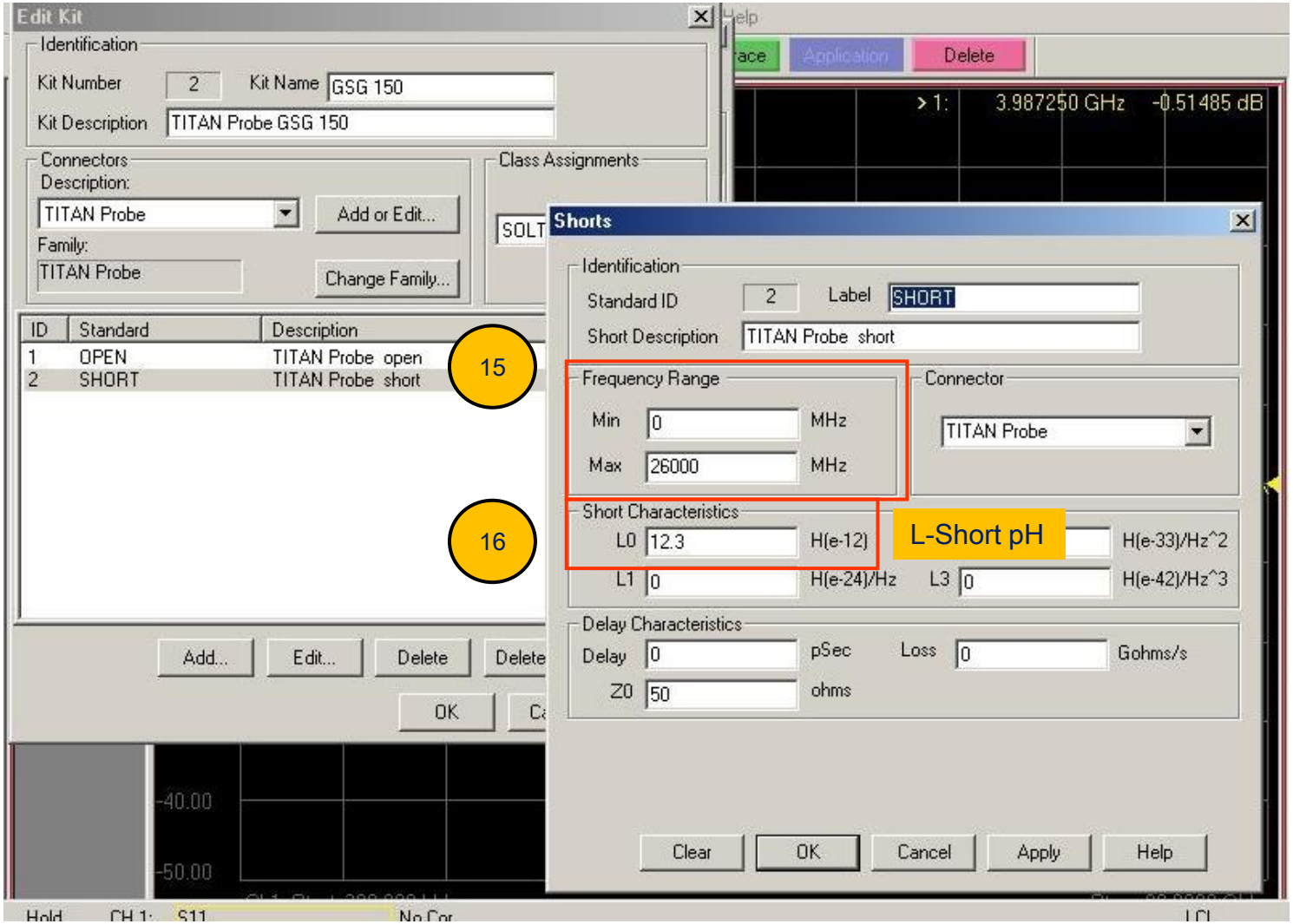
# Define OPEN Model Parameters



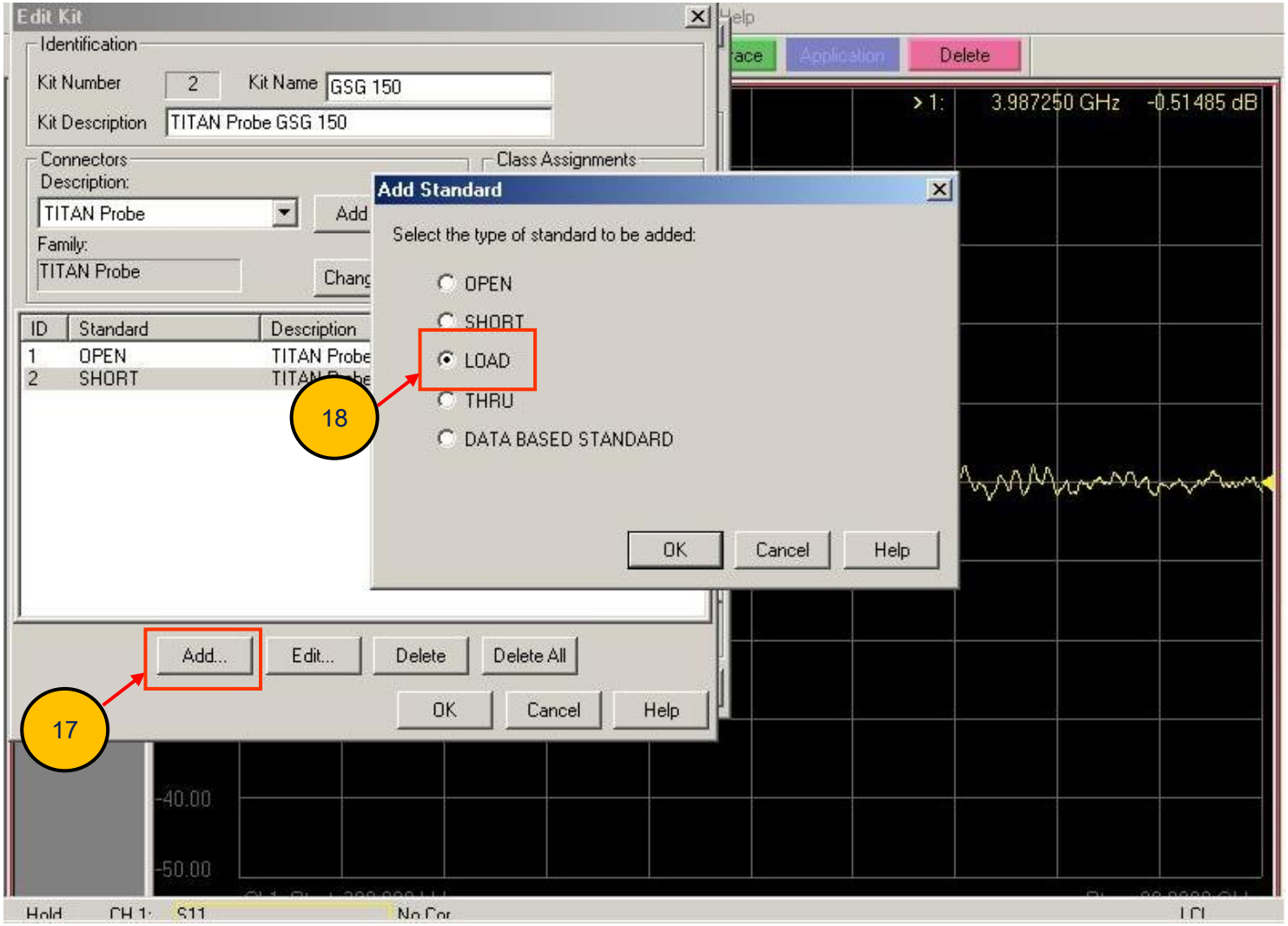
# Add Standard (SHORT)



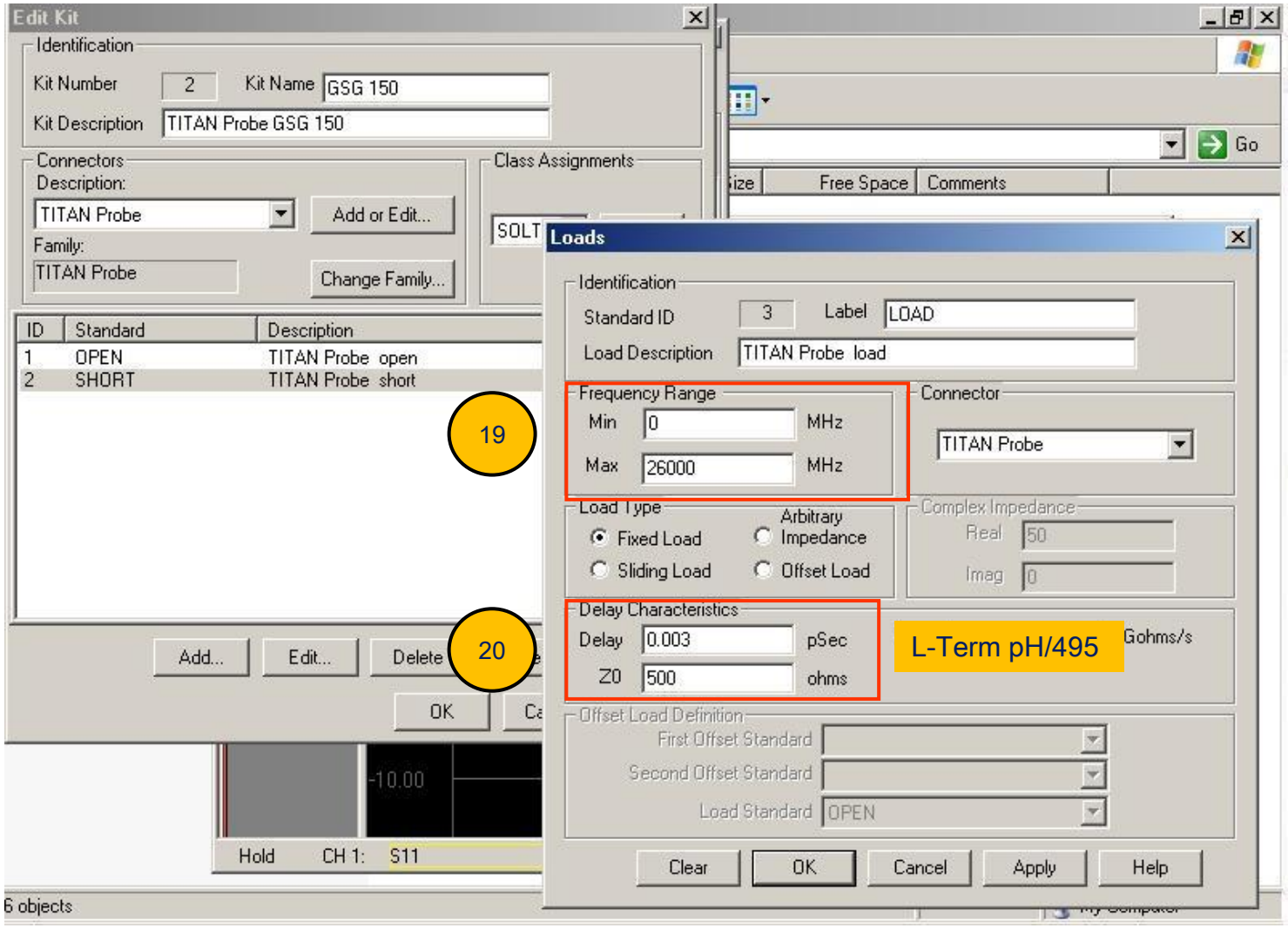
# Define SHORT model parameters



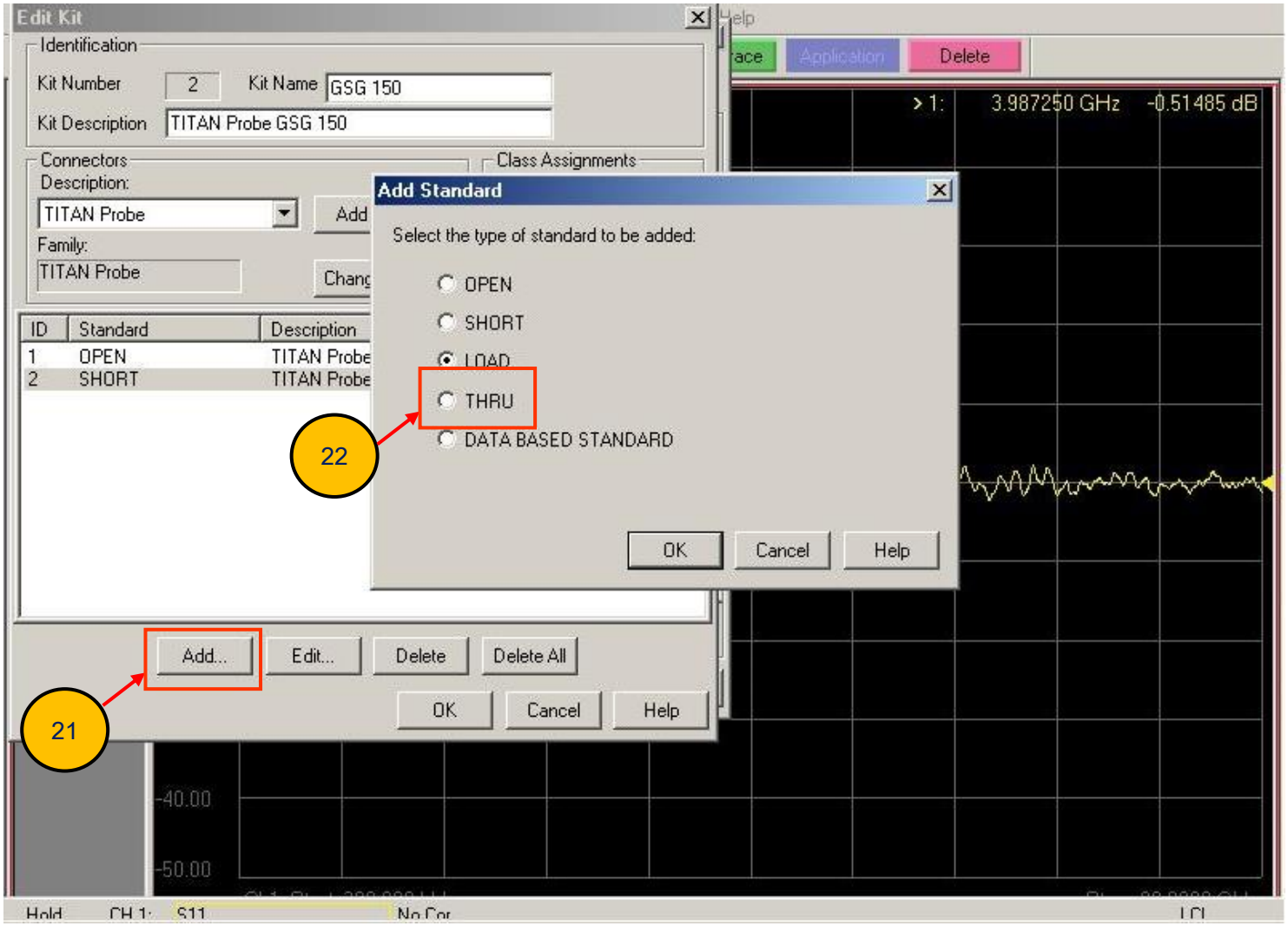
# Add Standard (LOAD)



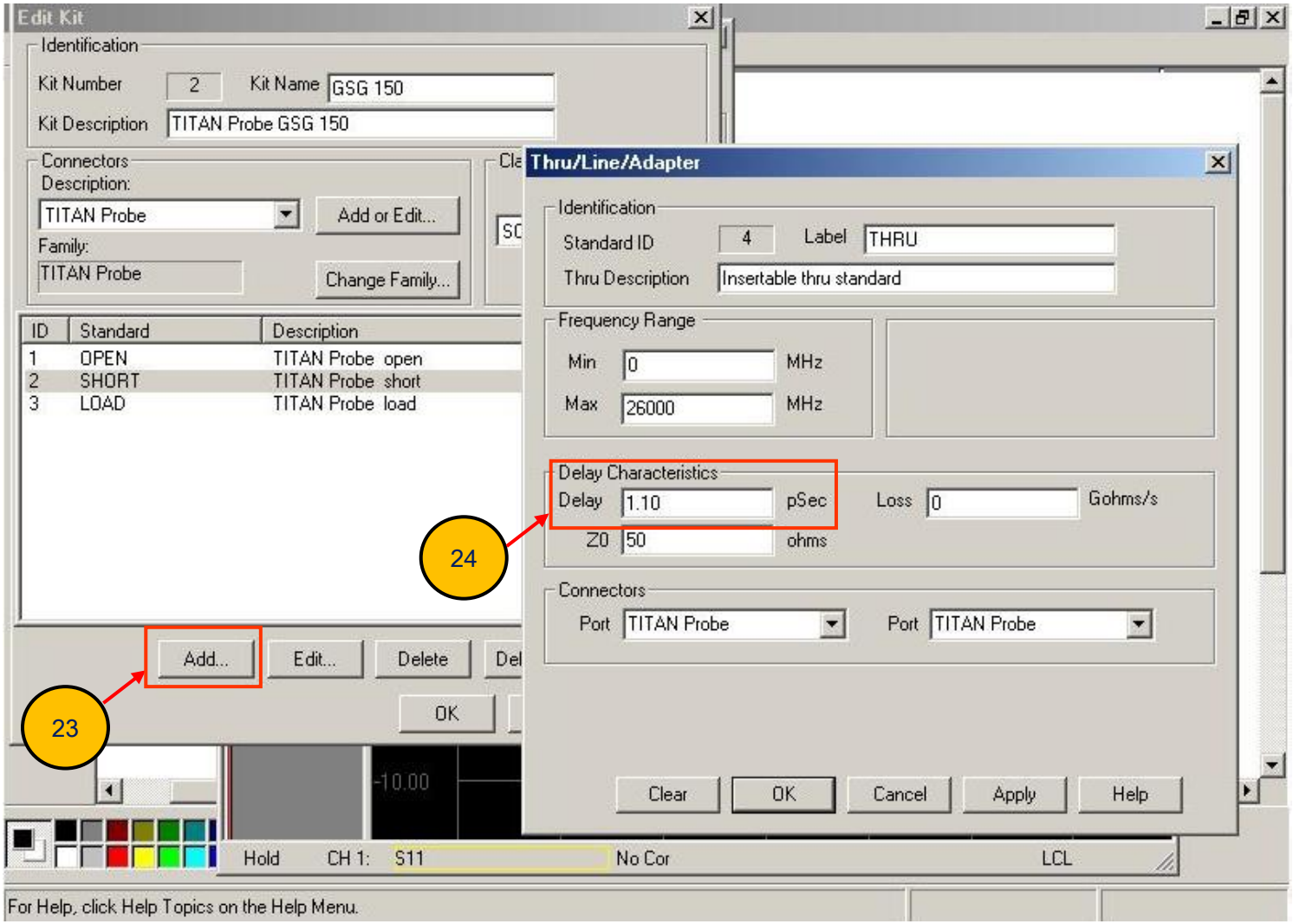
# Define LOAD Model Parameters



# Add Standard (THRU / LINE)



# Define THRU / LINE Model Parameters



# THRU / LINE Delay for AC2, AC3 and AC5 Substrates

**AC2**

| Electrical length of line, ps | |
|---|---|
| Thru | 1.10 |
| Line 1 (0309) | 3.00 |
| Line 2 (0509) | 6.50 |
| Line 3 (0709) | 13.00 |
| Line 4 (1309) | 25.50 |
| Line 5 (0101) | 38.50 |

**AC3**

| Electrical length of line, ps | |
|---|---|
| Thru | 1.10 |
| Line 1 (0110) | 3.00 |
| Line 2 (0310) | 6.50 |
| Line 3 (0510) | 13.00 |
| Line 4 (1110) | 25.50 |
| Line 5 (0101) | 38.50 |

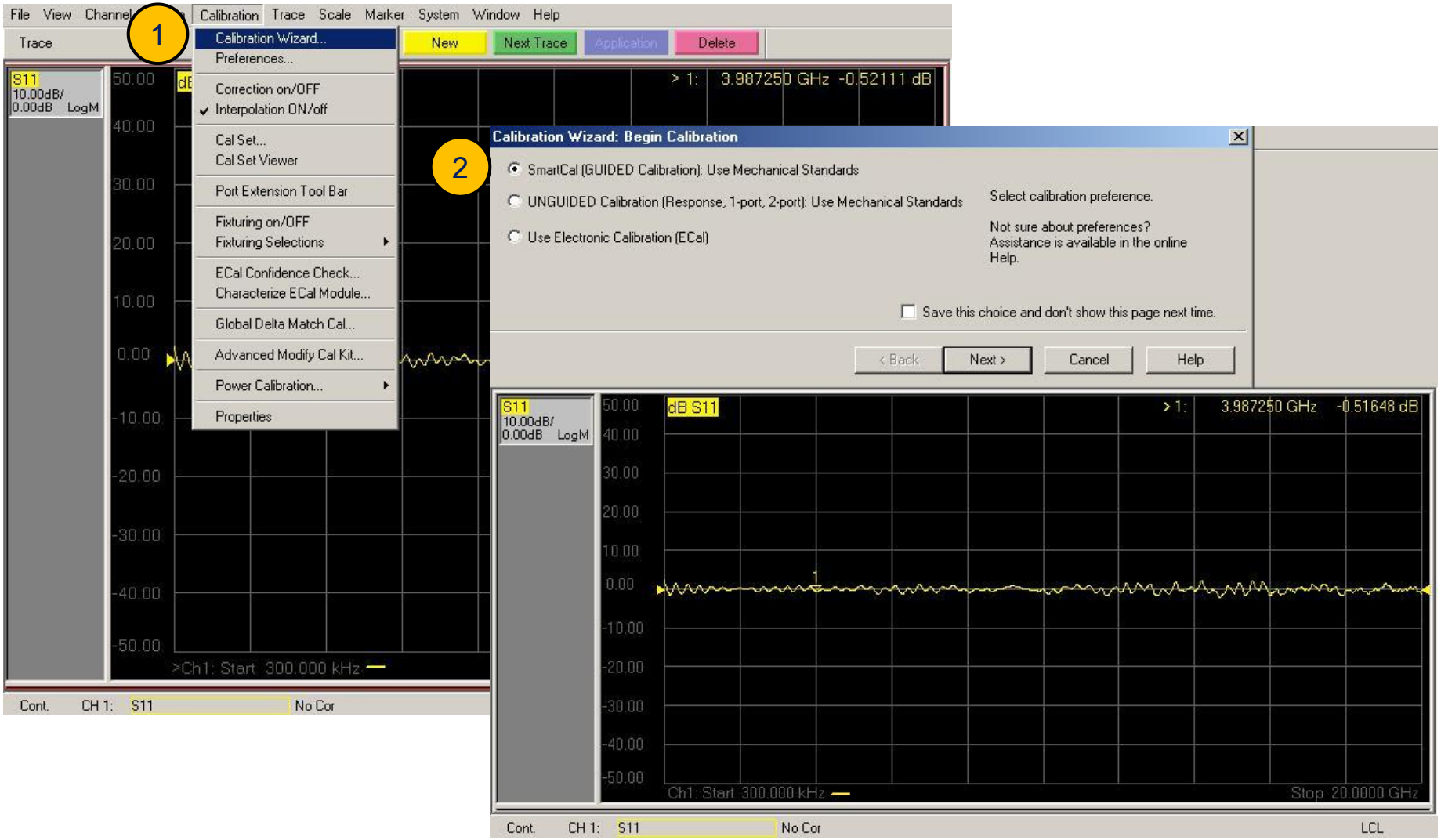
**AC5**

| Electrical length of line, ps | |
|---|---|
| Thru | 5 |
| Line 1 (0109) | 26 |
| Line 2 (0309) | 42 |
| Line 3 (1009) | 47 |

# Class Assignment for Standards

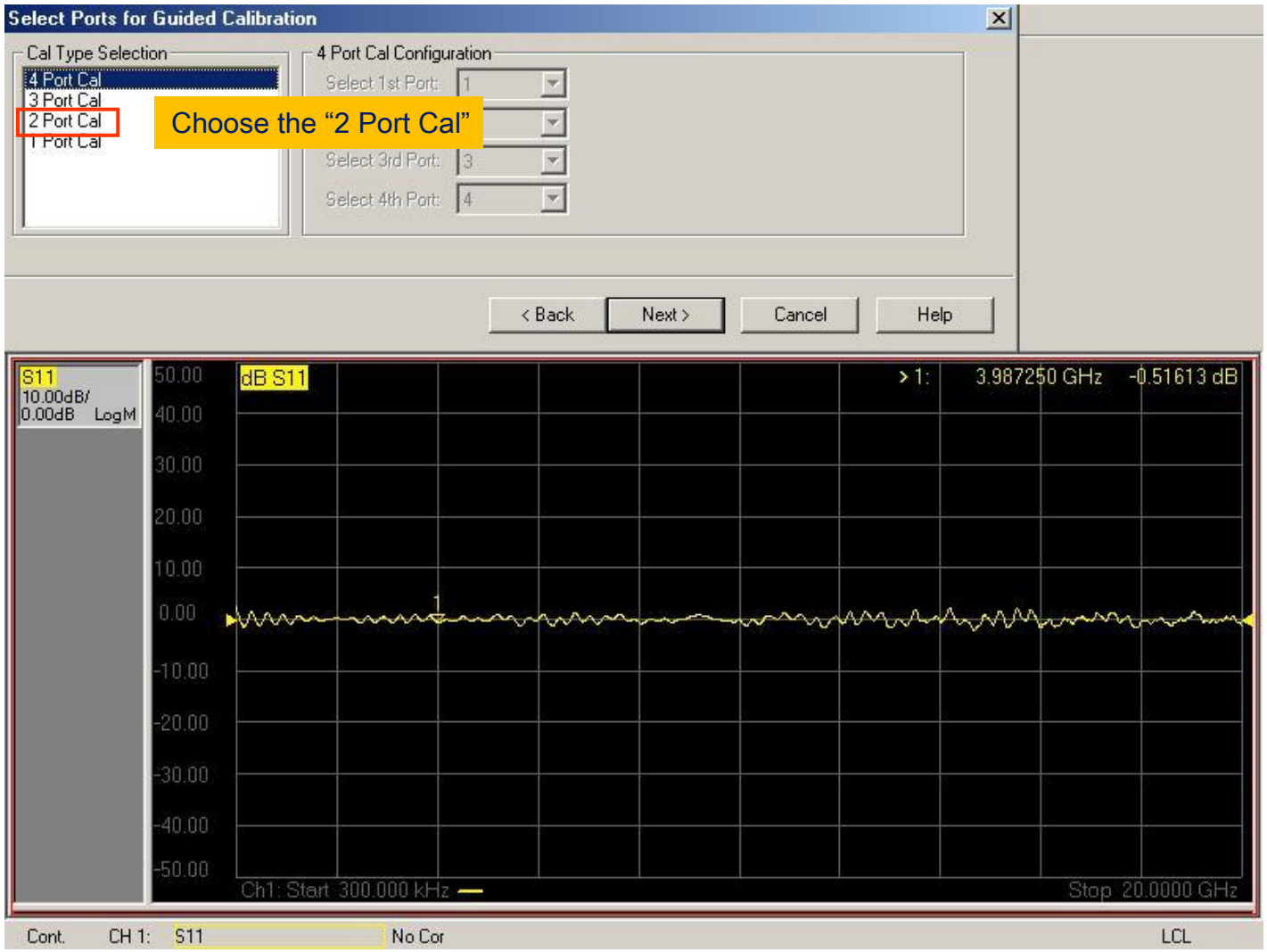
| Standard class | Standard numbers | Standard Type |
|---|---|---|
| $S_{11}A$ | 1 | OPEN |
| $S_{11}B$ | 2 | SHORT |
| $S_{11}C$ | 3 | LOAD |
| $S_{22}A$ | 1 | OPSN |
| $S_{22}B$ | 2 | SHORT |
| $S_{22}C$ | 3 | LOAD |
| FORWARD TRANSMISSION | 4 | THRU |
| FORWARD MATCH | 4 | THRU |
| REVERSE TRANSMISSION | 4 | THRU |
| REVERSE MATCH | 4 | THRU |
| ISOLATION | - | OMMNIT |

# Start the SOLT Calibration

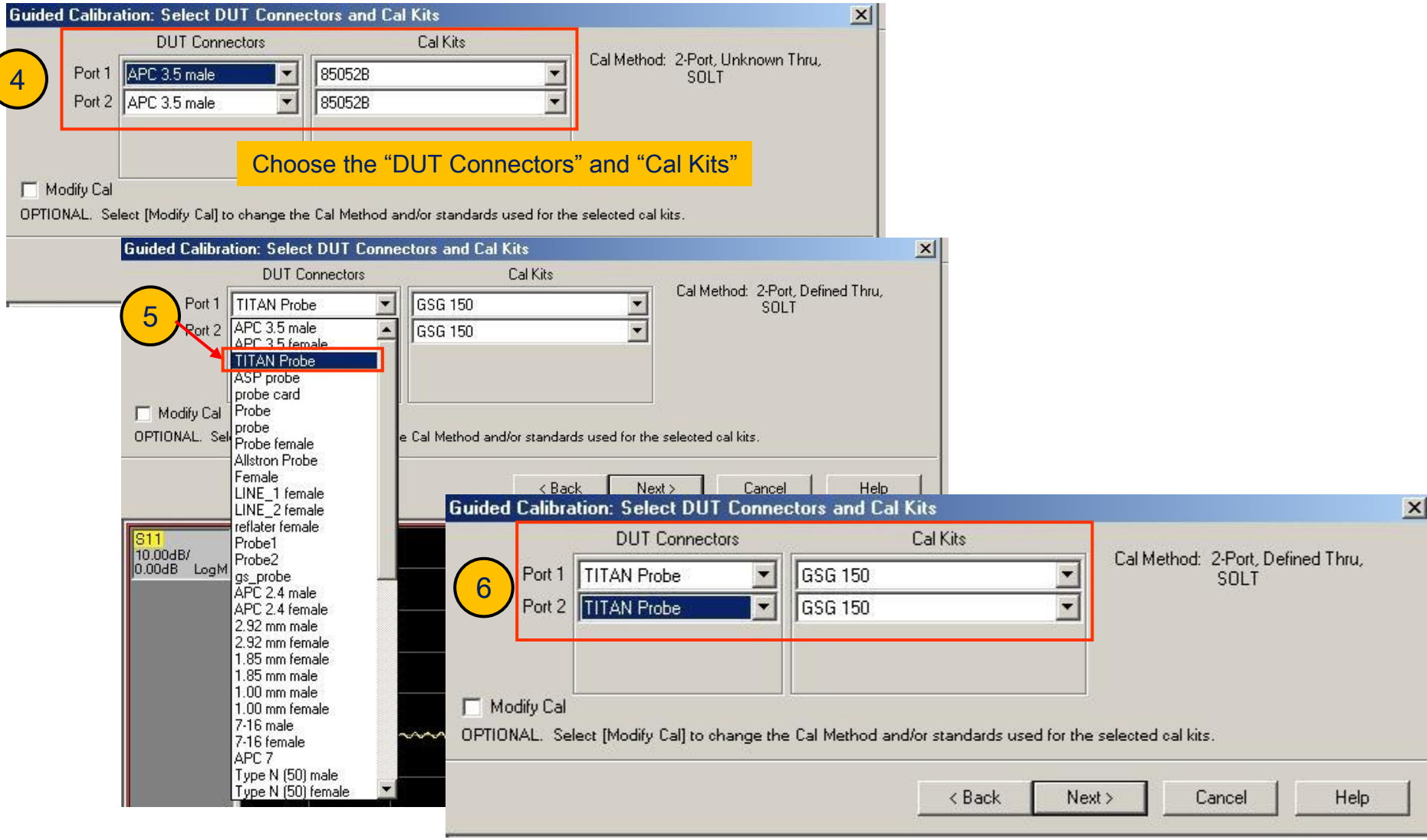


# Start the SOLT Calibration

3

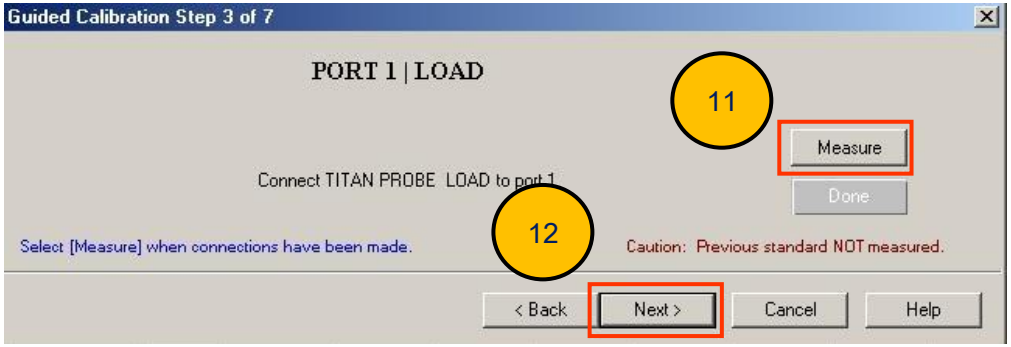


# Start the SOLT Calibration



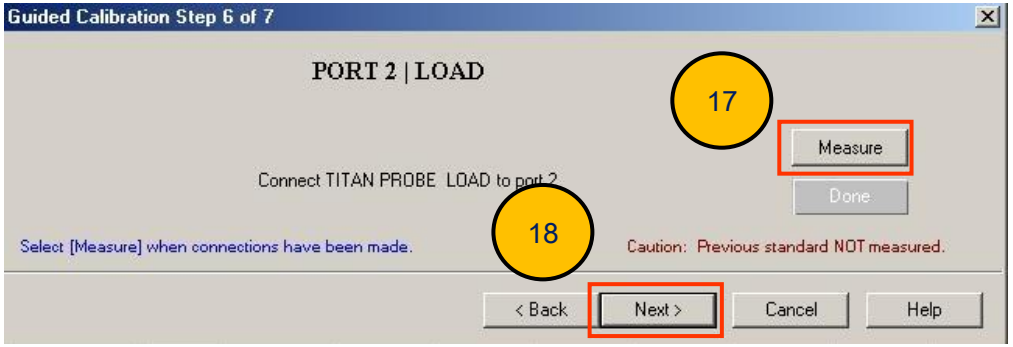
# Start the SOLT Calibration



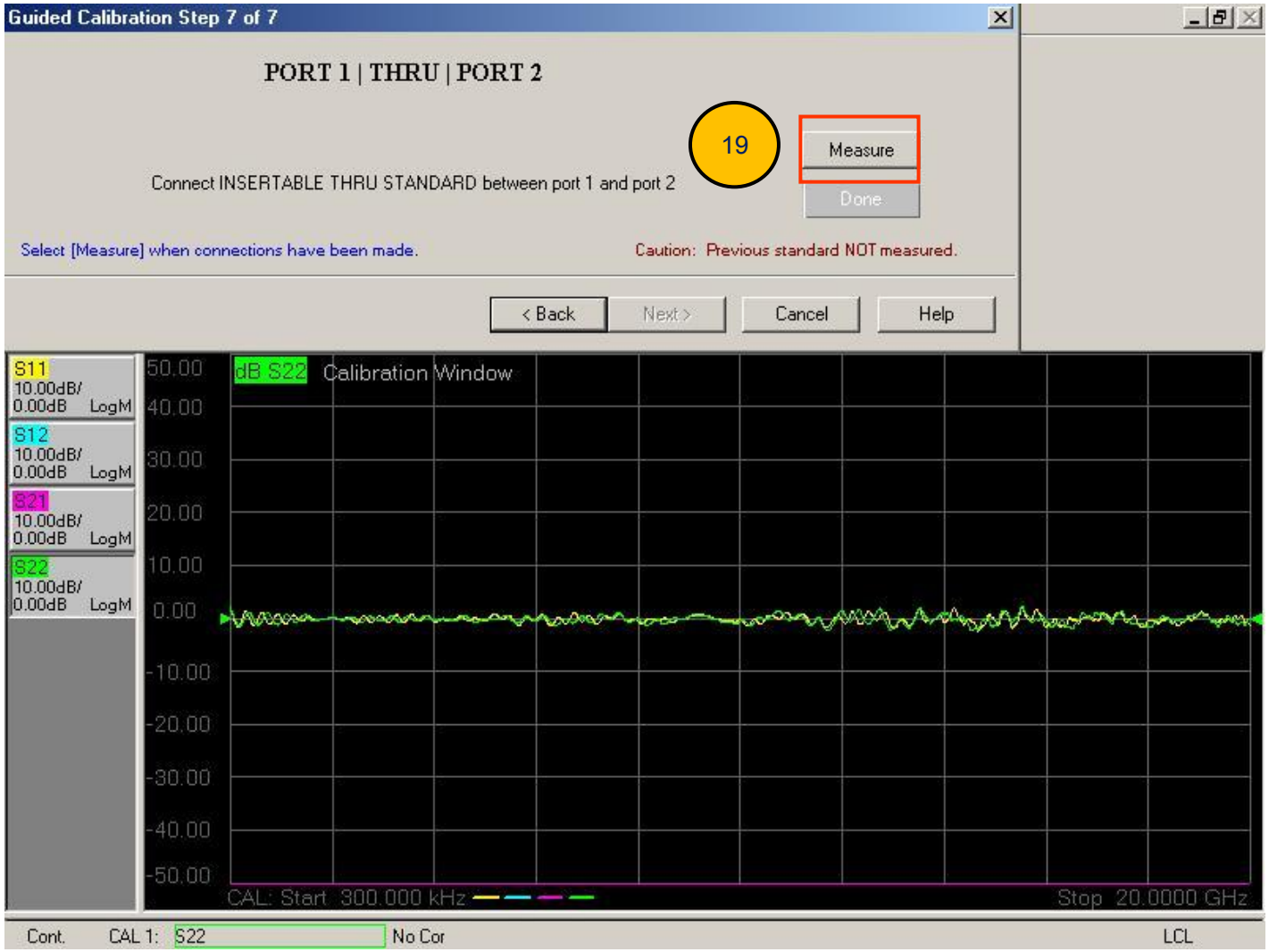


# Start the SOLT Calibration





# Start the SOLT Calibration



# Thank you

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