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MMEMory:STORe:TRACe:PORTs <Channel>, <TouchstoneFile>, <Format>[, <ModeImpedance>, <Port>, <Port>...]

Generates a Touchstone file for the specified ports. The Touchstone file (.s.np where n is the number of ports) contains a full set of *n* single-ended S-parameters for the selected ports. Traces are created using the CALCulate<Ch>: PARameter: SDEFine command.

The command fails unless the conditions for Touchstone file export are met; see "Conditions" for Touchstone file export".

Setting parameters:

Channel number in the active recall set. <Channel>

<TouchstoneFile> String parameter to specify the name and directory of the created

> Touchstone file. The file extension * . s<n>p for a n-port Touchstone file is mandatory. If no path is specified the analyzer uses the current

directory, to be queried with MMEMory: CDIRectory?.

<Format> COMPlex | LINPhase | LOGPhase

COMPlex - complex values (real and imaginary part).

LINPhase - Linear magnitude and phase. LOGPhase - dB-magnitude and phase.

<ModeImpedance> CIMPedance | PIMPedance

> **CIMPedance**: normalize to the common target impedance (from options line); this is the default if the parameter is ommitted

PIMPedance: normalize to the individual port reference impedances

see "Renormalization of S-parameters"

<Port> First port number

<Port> Second port number. Further port numbers can be used as needed.

Example: Suppose that a full two-port calibration for ports 1 and 2 and channel

> 1 has been performed, and that a DUT with two balanced ports is connected. The analyzer measures an arbitrary mixed mode S-

parameter.

MMEM:STOR:TRAC:PORT 1, 'Test CIMP.s2p', COMPlex,

CIMPedance 1,2

Calculate all single-ended S-parameters, renormalize them to the common target impedance and store them to a two-port Touchstone

file.

MMEM:STOR:TRAC:PORT 1, 'Test PIMP.s2p', COMPlex,

PIMPedance 1,2

Calculate all single-ended S-parameters, renormalize them to to the individual port reference impedances and store them to a two-port

Touchstone file.

Usage: Setting only
Manual operation: See "Export..."

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