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MMEMory:STORe:TRACe <TraceName>, <TraceFile>[, <FormatInd>, <Format>, <DecSeparator>, <FieldSeparator>]

Stores the trace data of a specified data trace to a trace file. Traces are created using the [CALCulate<Ch>:PARAmeter:SDEFine](#) command.

Tip: * .s<n>p Touchstone files (<n> = 1, 2, 3, ...) are intended for a complete set of <n>-port S-parameters. Data export fails if the active channel does not contain the full set of <n>² traces or if the involved ports are not numbered consecutively, starting with port 1. If the necessary traces are available, '<trc_name>' can be the name of any of the traces. To create Touchstone files while less than <n>² single-ended traces are available, use [MMEMory:STORe:TRACe:PORTs](#).

Setting parameters:

<TraceName>	Name of an existing data trace in the active recall set (string parameter).
<TraceFile>	String parameter to specify the name and directory of the created trace file. Several file formats for trace files are supported. The file extensions * .s<n>p, * .csv, and * .dat for Touchstone, ASCII, and Matlab files are mandatory. To generate a multiport Touchstone file * .s2p, * .s3p..., the channel must contain traces for the full set of S-parameters; the '<trc_name>' is ignored. If no path is specified the analyzer uses the current directory, to be queried with MMEMory:CDIRectory?.
<FormatInd>	FORMatted UNFormatted UNFormatted - unformatted data export specified by the second optional parameter. FORMatted - formatted data export (for * .csv and * .dat files only). If the first optional parameter is omitted, the command stores unformatted data.
<Format>	COMPLex LINPhase LOGPhase COMPLex - complex values (real and imaginary part) LINPhase - linear magnitude and phase. LOGPhase - dB-magnitude and phase. If the second optional parameter is omitted, the command stores complex data.
<DecSeparator>	POINT COMMa POINT - decimal separator: point. COMMa - decimal separator: comma. If the third optional parameter is omitted, points are used.

<FieldSeparator> SEMicolon | COMMa | TABulator | SPACe
SEMIColon - field separator: semicolon
COMMa - field separator: comma.
TABulator - field separator: tabulator.
SPACe - field separator: space.
If the fourth optional parameter is omitted, semicolons are used.

Example: See [MMEMory:LOAD:TRACe](#)

Usage: Setting only

Manual operation: See ["Export..."](#)

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