Retrieving S-Parameter Measurements from Agilent/Keysight Network Analyzers and putting them into an ADS Dataset.

For HP Network Analyzers, this will not work. Instead you should use the GPIB method

- 1) Load ADS 2015 (Note: ADS 2013 WILL NOT WORK) and open a schematic window.
- 2) Run 'Tools->Connection Manager Client'



3) Toggle 'CommandExpertMode->Toggle Use of Command Expert'

Connection Manager Client					
<u>F</u> ile	<u>S</u> erver	<u>I</u> nstruments	<u>M</u> easurements	CommandExpertMode <u>H</u> elp	
				✓ <u>T</u> oggle Use Of Command Expert	
				PNA S-Parameter Measurement	
				ENA S-Parameter Measurement	

Instructions continued on back...

- 4) Select 'CommandExpertMode->ENA S-Parameter Measurement...'
- 5) Enter the IP Address printed on the label affixed to the Network Analyzer your using, and click OK.

📰 Set Instrument IP Address COMMAND 🤗 💌				
Instrument IP Configuration				
 Connect to remote instrument 				
Instrument IP address				
192.168.1.20				
Instrument Port Configuration Onnect to instrument on default port				
Instrument port #				
OK Cancel Help				

- 6) Choose the S-Parameters you need (by default it will get S11/12 and S21/22)
- 7) Give the Dataset a name and click "Measure"

📰 S-Parameter Measurement - ENA-B Network Analyzer Family COMMAND EXPERT MODE
Server 192.168.1.10 Select Instrument Agilent Technologies,E5063A,MY54301871,A.04.01 Refresh Override instrument model check
Select Measurement V S11 V S12 S13 S14 V S21 V S22 S23 S24 S31 S32 S33 S34 S41 S42 S43 S44
Export Data Export to Text File File Type CitiFile File name Browse
Save Dataset Dataset Name MyDataSetName Block Name CM Help

Note: As you pull in the measurements the Network Analyzer's display will cycle through the different measurements you chose. If you left the default S11/12/21/22 selected, it will end up on S22 which may not have any measurements showing leaving an empty screen on the Analyzer. Go back to the Analyzer and re-select the desired measurement in the top right corner of the main screen if you want to see your measurements on the screen again.