Instrument: ZVA110

Made By: [Rohde and Schwarz](#)
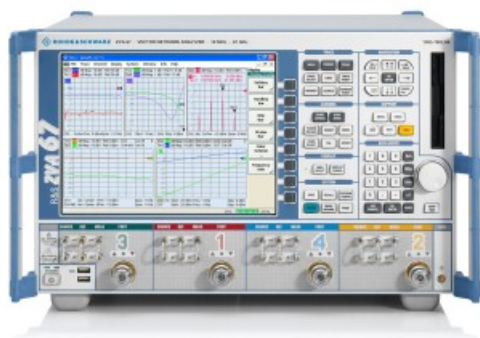
[Manual](#)

Name :	ZVA110
Alias :	RS_ZVA110_4639_01
Location :	Building 1, 4639
Price :	$360,000
Serial :	1312700403101122
IDN :	Rohde&Schwarz,ZVA67-4Port,1312700403101122,3.80
Instrument_Type :	GPIB
Instrument_Address :	GPIB::20
Purchase_Date :	08/2014
NIST_Tag :	938506

Commands:

Command : This is the command sent over the GPIB bus.

Type : Whether or not it returns a value or just sets something.

Argument : The parameter the command passes to the instrument. Optional parameters are denoted with an *. The types of paramters are int=integer, float=floating point number, string=string, and None=NULL.

Returns : What gets returned by the function.

Description : A one line describing the purpose of the function, for more detailed info look in the manual.

Command	Type	Argument	Returns	Description
SENS:BAND	SET	float	None	*Sets the IFBW of the VNA*
SENS:BAND?	QUERY	None	float	*Queries the IFBW of the VNA*
SENS:AVER	SET	int	None	*Sets the number of averages of the VNA*
SENS:AVER?	QUERY	None	int	*Queries the number of averages of the VNA*
SOUR:POW	SET	float	None	*Sets the source power in dbm of the VNA*
SOUR:POW?	QUERY	None	float	*Queries the source power in dbm of the VNA*
SOUR:POW:SLOP	SET	float	None	*Sets the source power slope in dbm of the VNA*
SOUR:POW:SLOP?	QUERY	None	float	*Queries the source power slope in dbm of the VNA*
SOUR:POW:CORR:STAT	SET	bool	None	*Sets the source power*

				correction of the VNA
SOUR:POW:CORR:STAT?	QUERY	None	bool	*Queries the source power correction of the VNA*
SENS:CORR:STAT	SET	ON|OFF	None	*Sets the correction state of the VNA*
SENS:CORR:STAT?	QUERY	None	bool	*Queries the correction state of the VNA*
SENS:SWE:TYPE	SET	LINear | LOGarithmic | POWer | CW | SEGMent	None	*Sets the sweep type of the VNA*
SENS:SWE:TYPE?	QUERY	None	LIN|LOG|POW|CW|SEGM	*Queries the sweep type of the VNA*

State Commands

Command to Set state	Command to Query state
SENS:BAND	**SENS:BAND?**
SENS:AVER	**SENS:AVER?**
SOUR:POW:SLOP	**SOUR:POW:SLOP?**
SOUR:POW	**SOUR:POW?**
SOUR:POW:CORR:STAT	**SOUR:POW:CORR:STAT?**
SENS:CORR:STAT	**SENS:CORR:STAT?**
SENS:SWE:TYPE	**SENS:SWE:TYPE?**