



## TT7000 - SCPI Command List (V7.1)

Command	Example 1	Example 2	Description
FREQ:CW	FREQ:CW 400MHZ	FREQ:CW 3.33GHZ	Set output Frequency of the signal generator
FREQ:CW?			Return output frequency in Hz
OUTP:STAT	OUTP:STAT ON	OUTP:STAT OFF	Turn on or off the RF output in sig-gen mode
OUTP:STAT?			Returns the signal generator RF on/off state
POWER	POWER 8	POWER -13	Set the signal generator output level in dBm
POWER?			Return power level output
VERNIER			Set the output level fine power tune
VERNIER?	VERNIER 20	VERNIER -34	Return power tune setting (~0.05dB resolution)
POWER:READ?			Returns the input power in dBm - measured RMS
FREQ:READ?			Returns the counted input frequency in MHz
SYST:MODE	METERCOUNTER,	SIGGENMETER,	SIGNALGEN - Sets the system mode (returns "OK" when ready)
SYST:MODE?			Returns the current mode
*POWER:FCAL	*POWER:FCAL 0	*POWER:FCAL 2333	Forces power meter calibration at this MHz point (0=auto)
FASTMODE	FASTMODE 0	FASTMODE 1	Higher power reading sample rate, lower accuracy
*IDN?			Return the SCPI identification string
*RST			Reset unit now
*DISPLAY ON			Forces display to work in USB mode. Slows system.
*BUZZER	*BUZZER ON	*BUZZER OFF	Mute the buzzer
SYST:ERR?			Returns last error message
SYST:DGB?			Returns last debug help message
*CLS			Clears any pending errors
*PING?			Identify a unit by flashing LED and sounding the buzzer
*SAVESTATE			Save current system mode and settings as boot defaults
*UNITNAME			Save a nickname or device tag in flash memory
*UNITNAME?			Request the device tag/nickname
*SYSVOLTS?			Return the USB voltage level

Command terminator: LINEFEED ("\n")

COM Settings: 115200bps, 8bits, 1 stop, no parity, no flow control

\*NOTE: Leave a 5-10mS delay between sending multiple commands