Acceptance Testing
The MoToScope is run via MoT Commands in the following format:
:<Device ID (1 byte)><function command (1 byte) ><Arguments>

The semicolon specifies the start of a command. The device ID byte is equal to three (0x03) because it is the third device in the MoT admin device table. Each of the commands will also be followed by a checksum. This checksum can be calculated using the hex2MoTcmd.c script. Within this file, these checksums will be represented by XX. When creating your own commands, be sure to run the command inputs in the hex2MoTcmd.c script and append the checksum to your input command. More information about how to structure each command can be found in the user manual

The function byte is a number between 0 and 5 and maps to a specific functionality within the MoToScope.

Initializing the scope
cmd string: :0300FD

Modifying the scope
Changing the mode to scan through waveform monitoring mode cmd string: :030100FC
Changing the trigger delay to 0xFFFF cmd string: :030102FFFFFC
Changing the trigger type to TIM2 cmd string: :030101FB
Changing the sample size to 0xFAFA cmd string: :030103FAFA05
Changing the report size to 0xABAB cmd string: :030104ABABA2
Changing the sample rate to 0xAAAA cmd string: :030105AAAAA3

Running scan through waveform monitoring
Scan through start cmd string: :030200FB
Scan through stop cmd string: :030201FA
Scan through step cmd string: :030202F9

Running repetitive waveform monitoring
Repetitive waveform monitoring cmd string: :0303FA

Running single-shot waveform monitoring
Single-shot waveform monitoring cmd string: :0304F9