Top set your user defined frequency in WM-11

You can easily define your own test frequency, provided that it fulfills the following:

1. It must be a signal with a fix period (clock type or sine wave). No data streams like HDB3 with variable period

2. The frequency must be between 20 Hz and 60 MHz

3. The input level must be between 60 mV and 10 Vp-p within a -5V...+5V window

4. The test frequency must be expressed as an integer number of Hz or kHz between 0 and 65535 (i.e.16-bit resolution). This means that for example 2200 kHz is OK, so is 12345 kHz, but not 99999 Hz

The procedure to enter a new test frequency is as follows:

1. Open the text file WSIGNALS.DAT found in the Wanderview directory (normally C:\Pendulum\wanderview\) in a text editor (e.g. notepad)

2. This file contains groups of frequency definitions, see example.

3. Now, Insert a new frequency definition, like e.g.

[2.2 MHz]
Frequency = 2200000 Hz
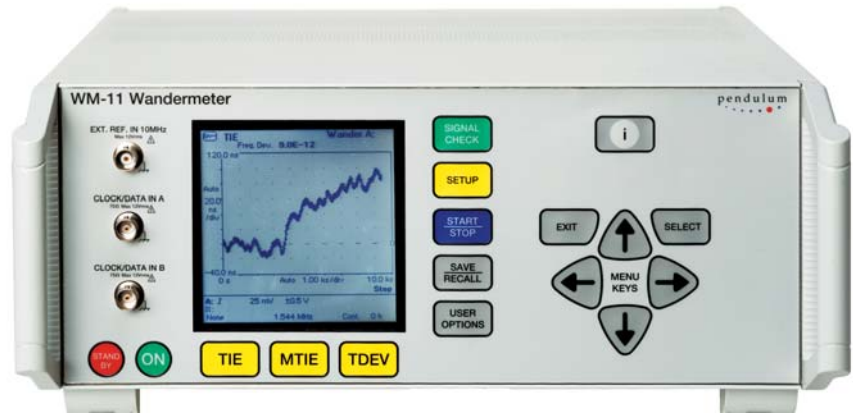Code = NONE
Group = 17

First line: This is the signal name label within brackets

Second line: This is the frequency value expressed as an integer number of Hz. Note you can NOT write e.g. "2.200 MHz"

Third line: Code = NONE means a clock signal (fix period)

Fourth line: Group = a unique number (integer), not previously used. This is normally used to group mask definitions to certain signal types.

4. Repeat point 3 and add all new test frequencies you like, there is no limit in WanderView, but there is a limit of how many you can simultaneously use in WM-11. In WM-11 you can have totally 11 test signals defined, whereof 7 are user selectable and 4 are fix (2 MHz/Mbps and 1.544 MHz/Mbps)

5. Save the edited file under the same name (WSIGNALS.DAT)

6. Open the file siggrp.dat in the WanderView program directory

7. Now, insert a new signal group definition, corresponding to the entry in Wsignals.dat, like e.g. 17, "2.2 MHz"

8. Save the edited file under the same name (siggrp.dat)

9. Start Wanderview and connect to the WM-11

10. Select signal types and download the new defined signals (e.g. "2.2 MHz") to WM-11

11. Now the WM-11 is ready to accept the new test frequency

12. If you need more than 7 new test frequencies, you must first measure frequency number 1 to 7, thereafter use Wanderview to remove the user defined signals 1-7 from WM-11 and download frequency number 8-14 instead, and measure again, etc

Wsignals.dat		**siggrp.dat**
[4 kHz] Frequency = 4000 Hz Code = NONE Group = 10	Frequency = 64000 Hz Code = AMI Group = 50	2, "T1 (1.544 MHz, 1.544 Mbit/s)" 10, "4 kHz" 20, "8 kHz" 50, "64 kbit/s" 70, "1 MHz" ...
[8 kHz] Frequency = 8000 Hz Code = NONE Group = 20	[1 MHz] Frequency = 1000000 Hz Code = NONE Group = 70	
[64 kbit/s]	1, "E1 (2.048 MHz, 2.048 Mbit/s)"	