Anritsu envision:ensure

Generating a Custom Waveform File for use on the MT8870A

Universal Wireless Test Set MT8870A

Introduction

This application note explains how to use the MT8870A waveform generator tool to generate a custom waveform file and load it to the MT8870A.
When you purchase an MV8870xxA wave file option, the MT8870A is pre-installed with a number of standard waveform files for your chosen wireless standard. If however, you have a specific requirement to test a different waveform, you can use the Waveform File Generator to create custom wave files to your exact requirements.

Generate the Waveform

1. Install the Anritsu CombiView and CombiView SRW Applet.
   Note: The installation may several minutes to complete.

2. Launch the Waveform File Generator.

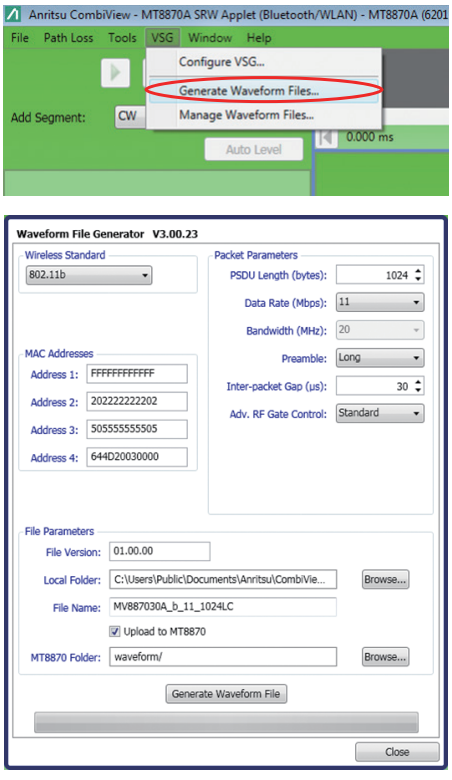

Figure 1. Waveform File Generator

3. Select the wireless standard (802.11a/b/g/n/p/ac, or *Bluetooth*).

4. Set the “Packet Parameters” as required.

5. Set the MAC address or *Bluetooth* address of the DUT at “Address 1”.
   The MAC addresses are unlikely to be critical to testing, but can be set if required.
   • Address 1 is the destination *Bluetooth* or MAC address.
   • Address 2 (WLAN only) is the sender MAC address.
   • Address 3 (WLAN only) is the BSSID.
   • Address 4 (WLAN only) is not relevant to testing.

6. Leave the “File Parameters” at their default settings:
   • The file is generated at the location specified at “Local Folder”. Default waveform files are generated at C:\Users\Public\Documents\Anritsu\CombiView\SRWApplet\SRW Waveform File
   • The file name is set automatically based on the wireless standard and the parameter settings. Custom waveform files all have a “C” at the end of the file name.

7. Click [Generate Waveform File].

Load the Waveform to the MT8870A

1. Check [Upload to MT8870A] in the Waveform File Generator window.

2. Click [Generate Waveform File]. Created custom waveform is automatically uploaded to the MT8870A memory.

• The generated wave files are loaded to the MT8870A memory using the MX887900A Utility Tool.

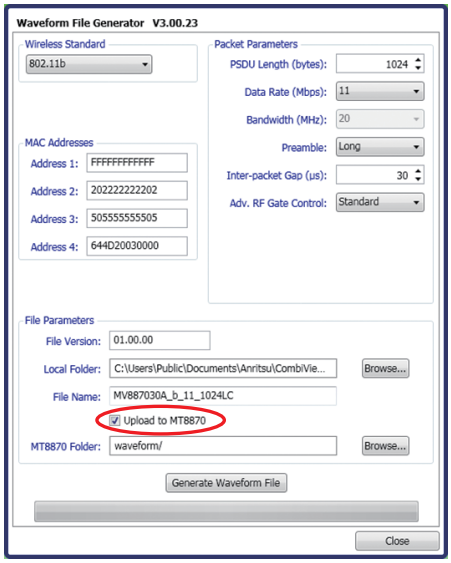

Figure 2. Upload to MT8870A