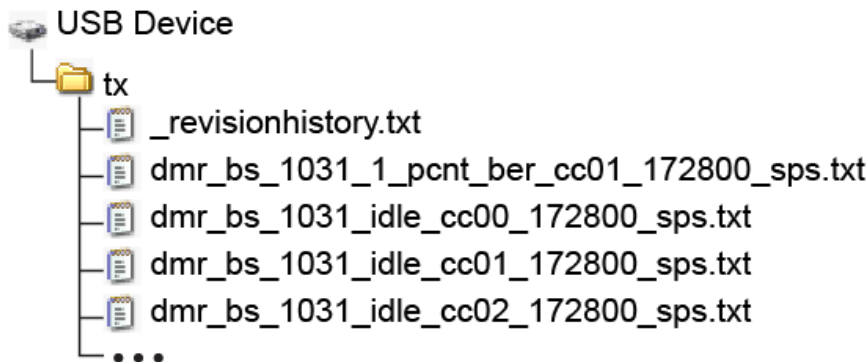


Instructions for Updating Patterns on the LMR Master S412E

Note This procedure requires instrument firmware (Package Version) V1.14 or greater.
This process could take up to one hour to complete.
For some applications, downloading the patterns makes the unit busy for as long as 15 minutes, but the process does not have to be closely monitored.

Preparing the USB flash memory device:

1. The USB flash memory device should be formatted with either FAT or FAT32 file system.
2. The USB flash memory device should have at least 1 GB of free space.
3. Copy the 'tx' folder containing all the patterns to the top level directory of the USB device as shown below.



Updating the S412E Patterns

Note This process must be repeated for each LMR analysis mode where patterns need to be updated (for example: P25, P25p2, DMR2, NXDN, TETRA, PTC).

1. Power on the S412E and insert the USB flash memory device into one of the USB ports on the LMR Master.
2. Enter the desired analysis mode which needs the patterns loaded. For example: NXDN, PTC, P25, P25p2, TETRA, or DMR2 mode.
3. Execute the following sequence:
 - a. Access the **System** menu by pressing the **Shift** key, then press the **8** key on the keypad.
 - b. In the **System** menu, select **Application Options** → **Load Patterns**.
 - c. Wait for the unit to end the loading process (this can take several minutes), press **Enter** as directed, and the patterns will be loaded.
 - d. Press the **Esc** key when done.
4. Repeat steps 2 through 3 for each analysis mode desired.