

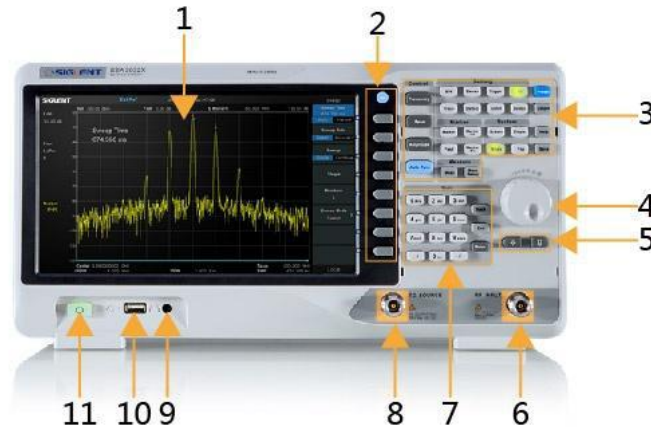
## Revision History

Version	Revision
V2.2.1.2.1 2019/6/1	<p>New Functionality:</p> <ul style="list-style-type: none"> <li>Add CNR, Harmonic measurement in AMK options for SA Mode</li> <li>Add Port Extensions for VNA Mode</li> <li>Add QAM, MSK, PSK modulation analysis for MA Mode</li> <li>Add basic SCPI commands for all Modes</li> <li>Add Screen Annotation in Display menu</li> <li>Add FTP server for File operation</li> </ul> <p>Improvements:</p> <ul style="list-style-type: none"> <li>Optimize UI, refresh and response for all Modes</li> <li>Optimize SCPI commands, such as INIT, *OPC?, *ESR, Abort, etc.</li> <li>Optimize Log scale axes, Peak search, Auto tune, TG normalization for SA Mode</li> <li>Optimize S11 and S21 simultaneous measurement, calibration control, and user define cal kit for VNA Mode</li> <li>Optimize multi traces, and multi-format overlay display for VNA and MA Mode</li> <li>Optimize Power Saving, Web Server,</li> </ul> <p>Solved Issues:</p> <ul style="list-style-type: none"> <li>Fixed OBW Transmit Freq Error</li> </ul>
V2.1.1.1.13 2018/11/1	<p>New Functionality:</p> <ul style="list-style-type: none"> <li>Screen saver for power saving</li> <li>VNC View only for web server</li> <li>VNA: .csv file for each format, Expand Phase for marker</li> </ul> <p>Improvements:</p> <ul style="list-style-type: none"> <li>VNA: Auto Scale, min Scale to 0.1 dB</li> <li>DTF: logistic scale for RL display</li> </ul> <p>Solved Issues:</p> <ul style="list-style-type: none"> <li>Invalid Demod time in FM</li> <li>Scale in TG</li> <li>Wrong units in Markers and peaks</li> <li>Boot or Mode start lock up</li> <li>Udisk display wrong files</li> <li>SCPI command incompatible</li> <li>Min span to 10kHz in AMK power measurement</li> </ul>
V2.1.1.1.12a	1. Spectrum Analysis mode : Improved the stability of sweep and interface.

Version	Revision
2018/8/8	<ol style="list-style-type: none"><li>2. VNA mode: fasten the VNA sweep speed; expand the minimum span from 10M to 10 kHz.</li><li>3. Modulation Analysis mode: add trigger, optimize the modulation analysis algorithm.</li><li>4. Add user port number selection for web server.</li></ol>

## Update Instructions

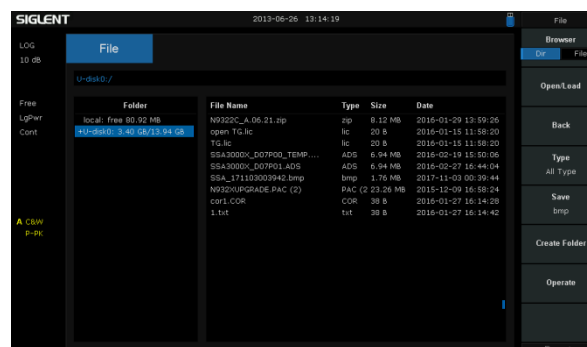
- Copy the update file (\*.ads) to a FLASH type U-disk, and then connect the U-disk to the USB host port(10) of the instrument.

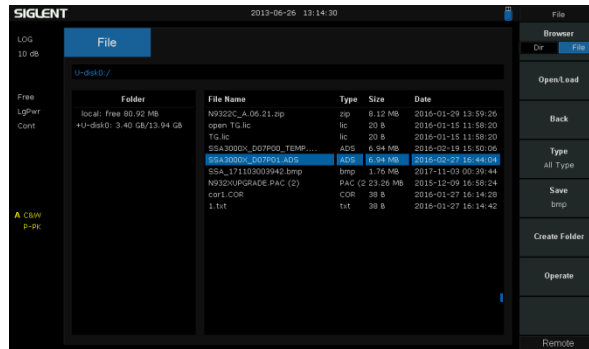


- Press the **System** key on the front panel, and then softkey “System->System Info->Firmware Update”, to enter the interface of the file browser.

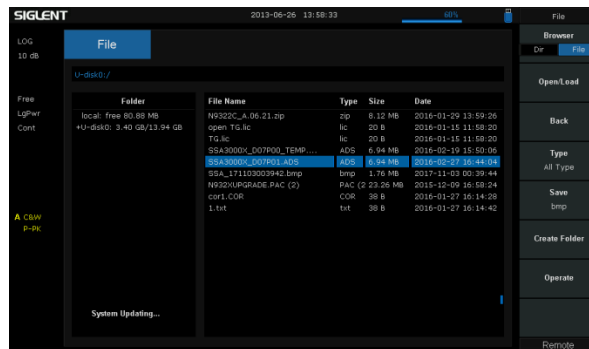


- Select “U-disk” thru the knob on the front panel, press “Browser”, and then select the correct **ADS file** using the knob





- Press "Open/Load" to start the update. A progress bar is displayed during the update. When updating complete, the spectrum analyzer will restart automatically.



**WARNING:**

**DO NOT shut down the instrument during updating**