

## SHA850A Firmware Revision History

Version	Revision
Software: 1.8R1 Uboot-OS: 3.9.0 2024/10/28	<p><b>New Functionality :</b></p> <ul style="list-style-type: none"> <li>• Added EMI mode.</li> <li>• Added SCPI commands to query files in a specified directory.</li> </ul> <p><b>Improvements :</b></p> <ul style="list-style-type: none"> <li>• Optimized the system information interface.</li> <li>• Supports saving measurement results in txt format under AMA and DMA Mode.</li> <li>• Optimized the calculation accuracy of Band Marker.</li> </ul> <p><b>Solved Issues:</b></p> <ul style="list-style-type: none"> <li>• Fix DHCP failure after IP conflict.</li> <li>• Fix IQ collection.</li> <li>• Fix map compression package reading error, and the playback points displaying error.</li> </ul>
Software: 1.7R2 Uboot-OS: 2.7.1 2024/1/12	<p><b>New Functionality :</b></p> <ul style="list-style-type: none"> <li>• Add GNSS timing.</li> <li>• Add the outdoor map downloader software EasyMAP.</li> <li>• Add automatic screenshot and data store for LIMIT.</li> </ul> <p><b>Improvements :</b></p> <ul style="list-style-type: none"> <li>• UI Response improvement</li> </ul> <p><b>Solved Issues:</b></p> <ul style="list-style-type: none"> <li>• Fixed small RBW display.</li> <li>• Fixed the abnormality of warm drifting calibration (compatible with old machines: calculating two problems with errors).</li> <li>• When the DTF is solved to the feet format, the cursor returning unit is the problem of YARDS.</li> </ul>
V1.1.2.1.6R5 2023/9/28	<p><b>New Features:</b></p> <ul style="list-style-type: none"> <li>• Kml recording function.</li> <li>• Supports importing maps.</li> <li>• Supports map feature under Channel Power measurement record playback in SA mode.</li> </ul> <p><b>SCPI Commands:</b></p> <ul style="list-style-type: none"> <li>• Added [ [:SENSe]:WAVEform:POINts? ] command to obtain the number of IQ</li> </ul>

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	<p>sampling points.</p> <ul style="list-style-type: none"> <li>Added [ :FETCh:WAVEform? ] command to obtain IQ collected waveform data.</li> </ul> <p><b>Optimized Function :</b></p> <ul style="list-style-type: none"> <li>Optimized the Channel Power measurement refresh response efficiency in SA mode.</li> <li>Optimized VNC refresh efficiency.</li> </ul> <p><b>Solved Problem :</b></p> <ul style="list-style-type: none"> <li>Fixed unstable frequency counter in SA mode.</li> <li>Fixed audio demodulation buzzing sound in SA mode.</li> <li>Fixed when trace is view in SA mode, a large error will be obtained when executing alignment.</li> <li>Fixed incorrect sequence number when harmonics obtain fundamental wave amplitude in SA mode.</li> </ul>
V1.1.2.1.6R3 2023/9/7	<p><b>New Functionality :</b></p> <ul style="list-style-type: none"> <li>Add AMA and DMA Mode</li> </ul> <p><b>Improvements :</b></p> <ul style="list-style-type: none"> <li>UI Response improvement</li> </ul> <p><b>Solved Issues:</b></p> <ul style="list-style-type: none"> <li>SA rbw10Hz and RBW 1Hz noise floor difference is 20db processing</li> </ul>
V1.1.2.1.5R0 2023/4/15	<p><b>New Functionality :</b></p> <ul style="list-style-type: none"> <li>Add AMA and DMA Mode</li> <li>IQ Acquisition in SA Mode</li> <li>Trace Record/Playback in SA mode</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>UI Response improvement.</li> </ul> <p><b>Solved Issues:</b></p> <ul style="list-style-type: none"> <li>Fixed align error</li> <li>Fixed data error Harmonic Measurement</li> <li>Fixed hung up after zero span calibration and enhancement response calibration in VNA mode.</li> <li>Fixed cont peak and gate sync error, and direction button error in CAT mode</li> <li>Fixed auto scale error in CAT and VNA mode.</li> </ul>

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V1.1.2.1.2 2022/11/1	The first time introduced.