PSA2702 / PSA1302 Spectrum Analyzer

Firmware Revision History

Version	Date	Changes
V2.00	04/08/2014	1. Update File-system functions to list the flash drive files correctly 2. Updated Options-pack software with "Dual Trace" functionality
V1.31	31/03/2014	Updated "recall setup" function in Setups/Recall-Setups menu to allow backward SETUP file compatibility.
V1.30	23/03/2014	1. Updated TRACE file header and LOG file header. Changed the default data format in TRCAE and LOG files to absolute values (previously all values were relative to the reference level which was listed in the header) 2. Added "Preference" menu to provide an option to save CSV files with values "Absolute" or "Relative to Reference" 3. Updated "Limits" functions to provide "Channel Markers" functionality/capability 4. Correction made in "Set Marker" function to stop restarting the trace when " Move M2 to M1", "Manual Set" and "Marker to Centre" is applied 5. Correction made in "Marker-Control->Move-Left/Move-Right" function to stop system switching from "Stop" mode to "Run" mode when Marker moved Left/Right 6. Updated "Delta-Marker" function to readout in "dB" (previously "dBm")
V1.28	08/01/2014	Updated "file system" functions to support internal file system flash device.
V1.27	10/10/2013	Correction made to "file system flash read" function to support internal file system flash device.
V1.26	25/09/2013	Correction made to "Screen Calibration" function to apply the correct calibrated values. Previously, "Screen Calibration" function did not apply the correct calibrated values and this issue exist only in Firmware version v1.25.
V 1.25	24/09/2013	1. Updated "Presets" menu with Custom Presets added 2. Correction made to apply the correct "Start" and "Stop" frequency entry limits 3. Correction made to apply the correct "Centre" frequency in "Centre frequency - Jog" menu
V 1.24	05/03/2013	1. Updated "set-defaults" key function in calibration menu to prompt a message to user to confirm the key action. Previously, pressing "set-defaults" key, by mistake, used to set the factory default calibration values and loosing the latest calibrated values 2. Updated "recall" key function in Setups/Recall-Setups menu to clear/reset the current peak-hold values. Previously, the peak-hold values did not get reset when recalling Setups so the latest data in the current frequency range is added to the existing peak-hold trace
V 1.23	21/02/2013	1. Updated the calibration mode to disable the Limits and

		Offsets/Tables settings before initiating instrument recalibration
		2. Updated the Limit pattern in Zero-span mode to set correct Limit-level
		3. Updated Change-name menu in Logging/Logging-control to avoid including file extensions twice
		4. Added "Limit(s) out of Range" message when Limit(s) trace goes off screen
		5. Updated Clear-all menu in Offset/Tables to readjust the Limit(s) trace after disabling/clearing Offset(s)
		6. Updated auto power off routine so instrument can switch to Standby when battery charge is running low
V 1.22	22/01/2013	1. Zero-span and Demodulation information has been added to Status menu
		2. Max. and Min. Values has been added to Limit Line Setup
		3. Update-time / Sweep-time information has been added to LOG file header
		4. Updated "Check File System" and "Draw Graticule" functions
		5. Fixed-offset information has been added to Trace file header
		6. Warning message has been added to Calibration step 2 and 3
		7. Updated offset unit from dBm/dBuV to dB
V 1.20	12/12/2012	1. Delete-all-files operation has been updated to work in View-on-PC mode
		2. Coarse/Fine adjustment has been added in Calibration menu
		3. Graticule-scale and Graticule-shift information has been added to Trace file header
V 1.14	14/11/2012	1. Updated LOG file header
		2. Updated Marker controls in LOG mode
		3. Updated instrument setup to include Reference trace file name
V 1.11	07/11/2012	1. Updated Help menu and Delete menu in File Ops
		2. Updated View on PC mode in Options Pack Software
V 1.10	05/11/2012	1. Updated Average Number Popup menu
		2. Updated Help menu and Delete menu in File Ops
		3. Updated View on PC mode in Options Pack Software
		4. Updated LOG file header
		5. Updated the Marker controls in LOG mode
		6. Updated the instrument Setup to include Reference trace file name
V 1.00	10/10/2012	First firmware Release