

PSA Series 2 Upgrade Option U01

The capabilities of the PSA Series 2 can be enhanced by installing the upgrade option U01. Option U01 can be activated via the Aim-TTi website (<https://www.aimtti.com/support>) and can be installed by the user without any requirement to return the instrument to its supplier. Activation of the upgrade is achieved via an activation code which can be purchased from Aim-TTi, or from our distributors and agents across the world.

Additional Functions from Option U01

Installing Option U01 provides the additional functions listed below.

- **Logging of Values, Traces or Screens:** The Logging function enables results to be saved into log files in response to a timer or to a trigger event. Individual amplitude values, complete traces, or full screen images can be saved.
- **Triggering:** The triggering function enables sweeps or logging to be triggered in response to an internal or external trigger event. The internal trigger event can be generated by the Limits function.
- **Limit Lines, Limit Patterns & Channel Markers:** Limit lines and patterns can be shown on the display, and compared with the trace. They can be used to trigger a logging event, generate an audible warnings or output a trigger pulse. Limit lines are simple horizontal lines whereas limit patterns are frequency dependent amplitude limits that are stored as files. Two limits can be used simultaneously. Channel markers are a special version of a limit pattern that creates only vertical lines.
- **Level Offsets:** The level offset function enables the level values for the graticule and markers to be corrected for external attenuation or gain. Compensation can also be made for signals coming from a 75Ω source.
- **Compensation Tables:** Compensation tables are lists of amplitude versus frequency which enable frequency related amplitude variations from antennae or transducers to be compensated for within the spectrum analyzer.
- **Custom Presets:** Custom Presets enables multiple presets (set-ups) to be saved/recalled just by entering a number.
- **View on PC:** View on PC places the instrument into a special mode in which the graphics of the display are sent to a PC via USB. The screen can then be viewed at any size using PSA-View PC software.

PSA Series 5 Upgrade Option U02

The capabilities of the PSA Series 5 can be enhanced by installing the upgrade option U02. Option U02 can be activated via the Aim-TTi website (<https://www.aimtti.com/support>) and can be installed by the user without any requirement to return the instrument to its supplier. Activation of the upgrade is achieved via an activation code which can be purchased from Aim-TTi, or from our distributors and agents across the world.

Additional Functions from Option U02

Installing Option U02 provides the additional functions listed below.

- **Scan Mode:** Scan mode is a different mode of operation in which a frequency span can be captured at a much higher resolution of up to 210,000 points.
- **Logging of Values, Traces or Screens:** The Logging function enables results to be saved into log files in response to a timer or to a trigger event. Individual amplitude values, complete traces, or full screen images can be saved.
- **Automatic Measurements:** Automatic measurement calculation of Channel Power, Adjacent Channel Power Ratio, and Occupied Bandwidth.
- **Modulation Waveform Display:** The modulation waveform for AM and FM signals can be displayed.
- **Triggering:** The triggering function enables sweeps or logging to be triggered in response to an internal or external trigger event. The internal trigger event can be generated by the Limits function.
- **Limit Lines, Limit Patterns & Channel Markers:** Limit lines and patterns can be shown on the display, and compared with the trace. They can be used to trigger a logging event, generate an audible warnings or output a trigger pulse. Limit lines are simple horizontal lines whereas limit patterns are frequency dependent amplitude limits that are stored as files. Two limits can be used simultaneously. Channel markers are a special version of a limit pattern that creates only vertical lines.
- **Level Offsets:** The level offset function enables the level values for the graticule and markers to be corrected for external attenuation or gain. Compensation can also be made for signals coming from a 75Ω source.
- **Compensation Tables:** Compensation tables are lists of amplitude versus frequency which enable frequency related amplitude variations from antennae or transducers to be compensated for within the spectrum analyzer. Compensation tables are stored as files.
- **Custom Presets:** Custom Presets enables multiple presets (set-ups) to be saved/recalled just by entering a number.
- **View on PC:** View on PC places the instrument into a special mode in which the graphics of the display are sent to a PC via USB. The screen can then be viewed at any size using PSA-View PC software.