Anritsu recognizes our customers’ requirements for low maintenance cost and quick turnaround time while maintaining high quality instrumentation performance, and their desire to perform their own instrument calibrations and adjustment. The VectorStar® ME7838A Broadband Vector Network Analyzer System is designed with these requirements in mind. The 3656B calibration and verification kit provides the required calibration standards for SOLT and SSST broadband system calibrations from 70 kHz to 110 GHz. In addition, the 3656B includes traceable 1mm verification devices when system verification is desired.
Calibration

Test instruments are often put on a calibration cycle for performance verification in order to provide a quality check or assurance. For a Broadband Vector Network Analyzer System, this is accomplished by utilizing a set of known or characterized devices (e.g. verification kit) that are traceable to national standards bodies for comparison.

Anritsu offers the 3656B Calibration and Verification Kit for customers who desire to perform system verification themselves. This kit includes the system verification software (part number 2300-496) which automates the comparison process.
Automated Adjustments

All hardware adjustment routines are built into the instrument firmware (aka VectorStar Application software). This eliminates the requirement to purchase additional adjustment software. The user simply connects the required test equipment to the “Dedicated GPIB” port of the instrument and is guided by instructions on the VNA display.

Detailed adjustment procedures and a list of required test equipment are included in Chapter 5 of the ME7838A Maintenance Manual, part number 10410-00306.