

HOW THE EUT MEETS THE REQUIREMENTS OF 15.31 (e)
FOR THE FEDERAL SIGNAL CORPORATION WIRELESS INTERCOM MODEL: AD-27AW

The fundamental was maximized on the Lab D test site using a normal test setup with the EUT's AC Adapter connected directly to the AC public mains (115 Vac).

Next, the EUT's AC Adapter was then connected to the Staco Energy Products Variable Auto Transformer Model: 3PN1010. The Variable Auto Transformer allows the Vac input to be varied.

The EUT's AC Adapter was then connected to the Staco Energy Products Variable Auto Transformer Model: 3PN1010. The AC input was then dropped to 85% (97.75 Vac) and raised to 115% (132.25 Vac). The actual AC input was measured using a calibrated Fluke Multimeter Model: 87, Serial Number: 51350019, Calibration Due Date: July 11, 2004. The fundamental was then verified again to see that the amplitude did not change.

Test Result: The EUT does NOT change amplitude at the fundamental when the AC input voltage is varied between 85% and 115% of the input nominal rated supply voltage.