

HOW THE EUT MEETS THE REQUIREMENTS OF 15.31 (e)
FOR THE MOJIX, INC. STAR 3000 SYSTEM RFID READER,
MODEL: STAR-3000-F (RFID Reader), EMX-1004 (eMux), and ENM-1004-FW (4 Port eNode)

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

Next, the DC power supply for the EUT's were then connected to the Staco Energy Products Variable Auto Transformer Model: 3PN1010. The Variable Auto Transformer allows the Vac input to be varied.

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 Wavetek Multimeter Model: DM25XT, Serial Number: 40209875, Calibration Due Date: May 27, 2012. 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.