

## HOW THE EUT MEETS THE REQUIREMENTS OF 15.31 (e) FOR THE MOJIX, INC. STAR 3000 SYSTEM

The fundamental was maximized on the Lab D test site using a normal test setup with the power supply (Model: TEX 120-124) for the STAR 3000 RFID Reader connected directly to the AC public mains (115 Vac).

Next, the power supply (Model: TEX 120-124) for the STAR 3000 RFID 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 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 30, 2013. The fundamental was then verified again to see that the amplitude did not change.

The above was also repeated for the power supply for the eMux for both the indoor (Model: SPU131-108) and outdoor (Model: TEX 120-124) versions.

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.