

HOW THE EUT MEETS THE REQUIREMENTS OF 15.31 (e)  
FOR THE BRAYDEN AUTOMATION CORPORATION  
NODE TRANSCEIVER  
MODEL: PRN-1000

The fundamental was maximized on the Lab D test site using a normal test setup with the power for the Node Main Board connected directly to the AC public mains (115 Vac).

Note: The EUT gets its power from the Node Main Board.

The power for the Node Main Board 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.

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.