

HOW THE EUT MEETS THE REQUIREMENTS OF 15.31 (e)  
FOR THE InfinID TECHNOLOGIES, INC.  
V-TAG GATEWAY UNIT  
MODEL: VG100-1

The fundamental was maximized on the Lab D test site using a normal test setup with the laptop power supply connected directly to the AC public mains (115 Vac). The EUT was connected to the laptop via its USB port and received its power directly from the laptop.

Next, the laptop 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, S/N: 40209875, Calibration Due Date: June 9, 2011. The fundamental of the EUT 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.