

HOW THE EUT MEETS THE REQUIREMENTS OF 15.31 (e)
FOR THE ORKA TECHNOLOGY CORPORATION
REMOTE THERMOSTAT / HUMIDITY CONTROLLER
MODEL: RFTH-100, FCC ID: X6Q-RFTH-100

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

Next, the EUT 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 Fluke Multimeter Model: 87, Serial Number: 956410240, Calibration Due Date: May 28, 2010. 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.