

4.3 RADIATED EMISSIONS TEST SETUP

ANSI 63.4

CISPR 11-22-16

The Open Area Test Sites (OATS) of PDE Laboratories, Inc. are designed according to ANSI 63.4-1992 and C.I.S.P.R. Publication 11, 22 and 16 requirements. The site attenuation data has been filed with the U.S. FCC, Nemko, Norway, RFI, a European Competent Body: U.K. and RFT a European Component Body: Ireland. The Oats facilities are periodically tested using a calibrated field site source with the resultant test data compiled into a statistical data base used to check the integrity of the test site measurements.

The Measurement procedures are in accordance with the Procedures of ANSI 63.4-1992 and C.I.S.P.R. The EUT is placed in the prescribed position of the OATS, (either atop a remote-controlled turntable, or atop a turntable flush with a ground plane) as shown in Section 3.5 of this Test Report. Figures in Section 3 depict typical test configurations. The EUT is rotated through 360 degrees to determine the azimuth of the highest or maximum emission. During rotation of the EUT, the antenna(s), supported by a remote controlled motorized mast, are varied from one to four meters in height and placed in both the vertical and horizontal polar positions to find the maximum energy lobe, or highest emission.