

Download Noise Measurement Manual

Noise Measurement Manual Page 6 of 33 • 131113 • EM1107 • Version 4 Department of Environment and Heritage Protection Purpose This document prescribes the processes required to measure noise in accordance with the Environmental Protection Regulation 2008 (EP Reg) under section 71 and 72. The Noise Measurement Procedures Manual is primarily for use in conjunction with the Environmental Management and Pollution Control (Miscellaneous Noise) Regulations 2004, as amended from time to time, which are referred to in this Manual as ‘the basic unit of measurement for environmental noise, as recommended by ISO 1996/1, is the dB(A), but other measuring concepts, based on dB(A), are used to provide single-number criteria for describing fluctuating noise and to “measure of merit” for receiver noise performance: “noise figure.” Most important, I will describe how to build your own noise generator for noise figure measurements. A number of equations are included, but only a few need be used to perform noise figure measurements. The rest are included to as an aid to understanding, with, I hope ...