

**Model AS01003
Amplifier System
80MHz–1000MHz**

The Model AS01003 is an equipment package designed for RF susceptibility testing applications requiring a field of 10 volts per meter (V/m) at 3 meters with 80% AM modulation. It consists of a modern, solid-state, broadband RF power amplifier, dual directional coupler, power meter, signal generator, a wideband log periodic antenna, an ultra-broadband electric field monitoring system, interconnecting RF cables and connectors.

Specific package components are listed in Table 1 and a typical equipment interconnection block diagram is illustrated in Figure 1.

The Model FM7004 field monitor provides the operator with a digital readout of the electric field in the vicinity of the unit under test (UUT).

The 150W1000 power amplifier and AT1080 radiating antenna combination provides at least 10 volts per meter at 3 meters with 80% AM modulation over the frequency range of 80MHz to 1000MHz.

The Model AS01003 equipment package is supplied at a reduced price and enables new susceptibility test facilities to be established without having to deal with several suppliers.

AR Worldwide guarantees a minimum of 10 V/m at three meters from 80 to 1000 MHz provided there are no unusual room anomalies or cable losses.

Please refer to individual data sheets for more detailed specifications.

TABLE 1 - AS01003 PACKAGE COMPONENTS

ITEM	DESCRIPTION
1.	150W1000 RF Power Amplifier, 80 MHz - 1000 MHz, 150 Watts
2.	AT1080 Log-Periodic Antenna, 80 MHz - 1 GHz
3.	FM7004 Field Monitor, four channel capability, 100 kHz - 60 GHz
4.	FL7006 Isotropic Field Probe Kit, 100 kHz – 6 GHz
5.	TP1000A Non-metallic tripod for AT1080
6.	PS2000 Probe Stand for FL7006
7.	Assorted RF power cables: (1) each 5, 10 and 20 foot lengths
8.	One RF Bulkhead Feedthrough
9.	PM2002 Dual Channel Power Meter
10.	PH2000 Power Head, 10 kHz–8 GHz
11.	DC6180A, Dual Directional Coupler, 80 MHz–1000 MHz, 600 Watts

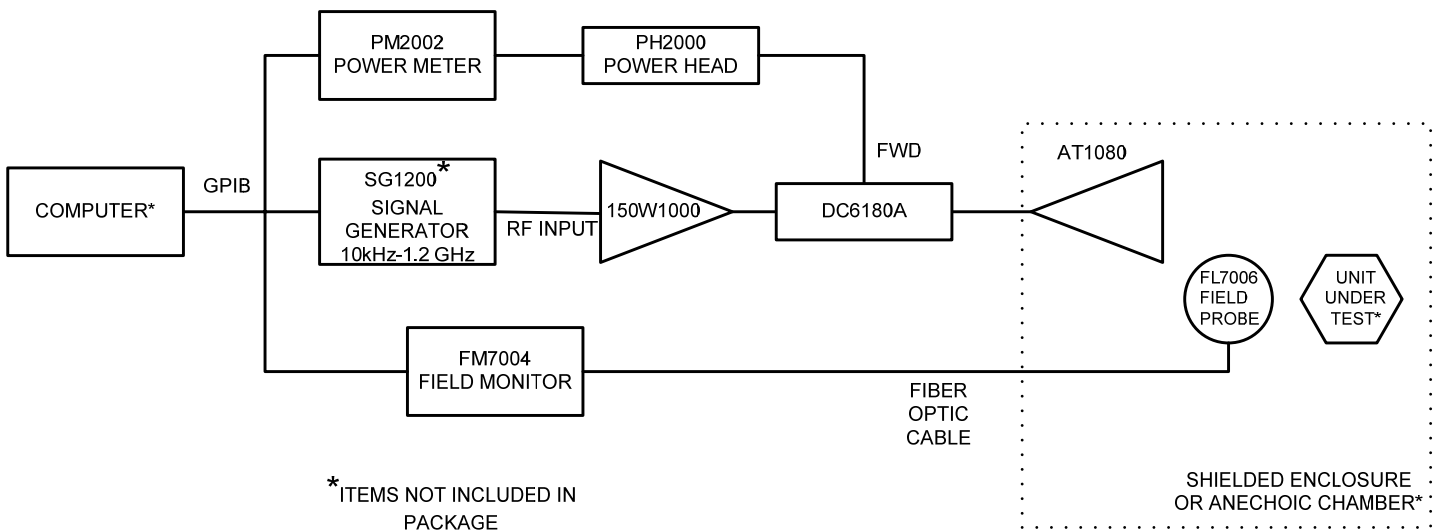


FIGURE 1 – BLOCK DIAGRAM