



**Model AS01004, M1  
AR System  
80MHz-1GHz**

The AS01004 AR System has been specially designed to perform radiated immunity testing up to 200V/m @ 1 meter test distance\*. The system consists of the AR rf/microwave instrumentation equipment listed below. Please refer to individual product specification sheets for details.

The amplifiers and control equipment are to be kept outside the chamber and the RF energy is passed to the frequency matched and dedicated antenna within the chamber through coaxial cable and a bulkhead feed through assembly. The 500W1000A or 1000W1000C are housed in their own racks, while the signal generation and control equipment are housed in a separate 15.75 inch (9U) panel height desktop case. All internal RF and control (GPIB) cabling is included. AC power distribution within the desktop case is provided terminating in a single 120 VAC, 15A plug.

\*200V/m not guaranteed in systems with the 500W1000A

**Model AS01004 System Equipment List**

	Std	M1
Model 500W1000A, 80 – 1000MHz, 500 Watts CW		1
Model 1000W1000C, 80 – 1000MHz, 1000 Watts CW	1	
Model FM7004 Field Monitor	1	1
Model FL7006/Kit M1 Electric Field, Laser powered Probe Kit, 100kHz-6GHz, 0.5 - 800 V/m	1	1
Model PS2000 Probe Stand	1	1
Model PM2002 Power Meter with (2) Model 2000 Power Heads	1	1
Model SG1200 Signal Generator, 9kHz- 1.2GHz	1	1
Model DC6180A Dual Directional Coupler, 80 – 1000MHz, 600 Watts		1
Model DC6280AM1 Dual Directional Coupler, 80 – 1000MHz, 1500 Watts	1	
Model AT6080 Log Periodic Antenna, 80 – 6000MHz, 1500 Watts		1
Model AT6080M2 Log Periodic Antenna, 80 – 6000MHz, 1500 Watts	1	
Model TP1000A Tripod, non-metallic, includes one 10006774 Tripod Mounting Adapter	1	1
Model BF7160 Bulkhead Feed Through, "7/16" (f) to "7/16" (f)	1	
Model UG-30B/U Bulkhead Feed Through, "N" (f) to "N" (f)		1
High power RF cabling between Amplifiers and antennas (6ft outside /15ft inside chamber)	1	1
All internal Interconnect cables between system components (RF and control)	1	1
Model SW1006, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software (includes GPIB and DAQ hardware)	1	1

**Equipment/Rack Specifications:  
500W1000A                      1000W1000C**

**Signal Generation and  
Control Enclosure**

Size (H x W x D)	149.86 x 56.13 x 58.42 cm (59 x 22.1 x 23 in)	152.4 x 68.83 x 82.55 cm (60 x 27.1 x 32.5 in)	42.82 x 50.17 x 55.07 cm (16.86 x 19.75 x 21.68 in)
Total Weight	174 kg (383 lbs)	340 kg (750 lbs)	20.45 kg (45 lbs)
Power Input	200-250 VAC 50/60Hz, single phase 6500VA	200-240 VAC, Delta (4-wire) 360-435 VAC Wye (5 wire) 50/60 Hz, 3 phase 12kVA	120VAC 50/60Hz single phase 15A Plug (5-15P)