



**Model AS01005, M1  
AR System  
10kHz–1GHz**

The AS01005 AR System has been specially designed to perform Mil Std 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.

For testing below 1GHz, the amplifiers and control equipment are to be kept outside the chamber and the RF energy is passed to the field generation equipment within the chamber through coaxial cable. The amplifiers are housed in their own racks, while the signal generation and control equipment are housed in a separate 52.5 inch (30U) panel height rack with 33.25 inches (19U) panel height remaining for expansion or user installed equipment. All internal RF and control (GPIB) cabling and AC power distribution is included.

\*100V/m @1meter test distance from 10kHz–100MHz with the AT5000M4

Model AS01005 Equipment list:

- Model 3500A100A, RF Amplifier, 10kHz–100MHz, 3500Watts
- Model 2000W1000AM1, RF Amplifier, 80MHz–1GHz, 2000 Watts CW
- Model DC2035M4, Dual Directional Coupler, 10kHz–250MHz, 3500 Watts, 50dB
- Model DC6380A, Dual Directional Coupler, 80MHz–1GHz, 3000 Watts, 65dB
- Model AT5000M4, Field Generator with 3-axis stand, 10kHz–100MHz
- Model AT1080A, Log-periodic Antenna, 80MHz–1GHz
- Model TP1000AM1, Non-metallic Tripod for mounting the AT1080A
- Model BF7160, RF Bulkhead Feed-through, 7/16DIN Female connectors
- Model BF1580, RF Bulkhead Feed-through, 1 5/8 EIA Male (swivel)
- Model CC8703, Coaxial Cable, DC–1GHz, 4.8kW, 1 5/8 EIA, 1 5/8 EIA, 3 meters long
- Model CC8707, Coaxial Cable, DC–1GHz, 4.8kW, 1 5/8 EIA, 1 5/8 EIA, 7 meters long
- Model CC8503, Coaxial Cable, DC–1GHz, 4.5kW, 7/16 DIN male, 7/16 DIN male, 3 meters long
- Model CC8507, Coaxial Cable, DC–1GHz, 4.5kW, 7/16 DIN male, 7/16 DIN male, 7 meters long
- Model SC1000M3, System Controller, DC–18GHz
- Model SG1200, Signal Generator, 9kHz–1.2GHz
- Model PM2002, Power Meter, 2 channel
- (2) Model PH2000, Power Head, 10kHz–8GHz, -60 - +20dBm
- Model FM7004M1, Field Monitor
- Model FL7030/Kit M1, Isotropic “E” Field probe kit, 5kHz–30MHz, 1.5 – 300V/m
- Model FP7006/Kit M1, Isotropic “E” Field probe kit, 100kHz–6GHz, .5 – 800V/m
- Model SW1006, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software (Includes GPIB and DAQ hardware)
- Rack mounted PC, preloaded with SW1006 software (AS01005M1 version only)