



**Model AS01013
AR System
10kHz–1GHz**

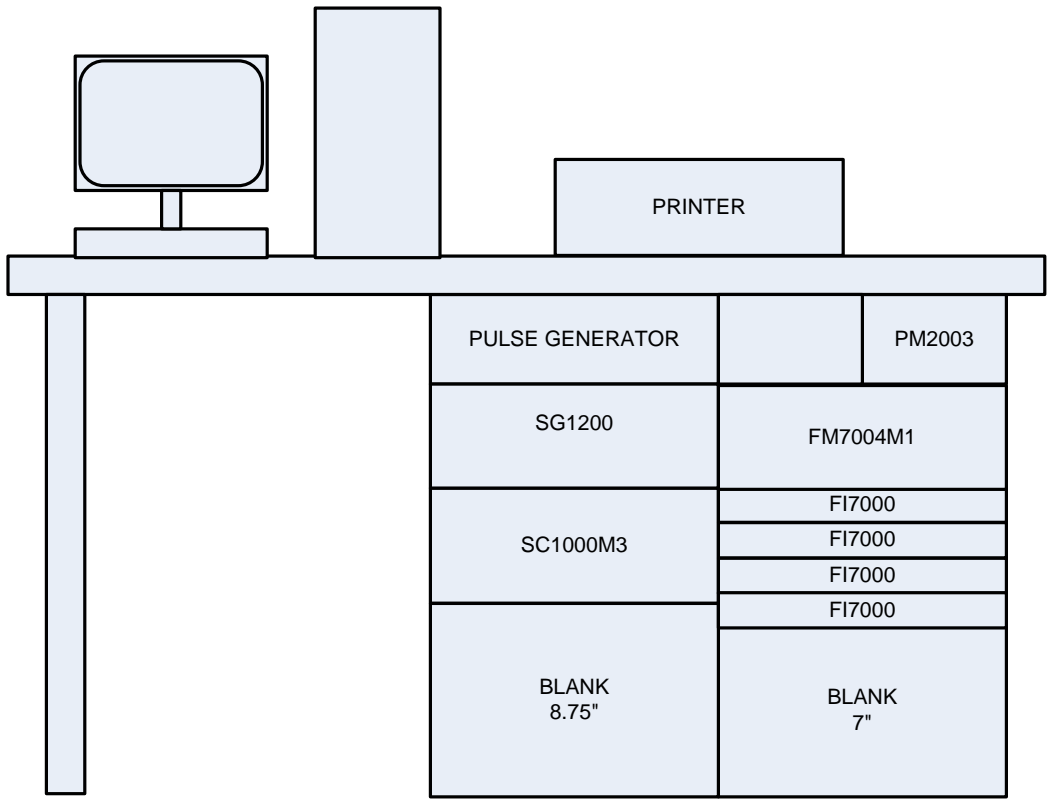
The AS01013 AR System has been specially designed to perform Mil Std radiated immunity testing up to 200V/m @ 1 meter test distance*. The system consists of the AR RF/Microwave Instrumentation equipment listed below. Please refer to individual product specification sheets for details. See the back of this sheet for component layout.

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 rack cabinet of desktop configuration. This configuration provides a convenient tabletop location for the control PC, monitor, keyboard, mouse, and printer. All internal RF and control (GPIB) cabling and AC power distribution is included. A fiber-optically-isolated GPIB interface is also provided.

*<100V/m @1meter test distance from 10kHz–100MHz with the ATP10K100MM4.

Model AS01013 Equipment list:

- Model 2500A225, RF Amplifier, 10 kHz–225 MHz, 2500Watts
- Model 1000W1000D, RF Amplifier, 80 MHz–1 GHz, 1000 Watts CW
- Model DC2035A, Dual Directional Coupler, 10 kHz–250 MHz, 3500 Watts, 50dB
- Model DC6280AM1, Dual Directional Coupler, 80 MHz–1 GHz, 1500 Watts, 63dB
- Model ATP10K100MM4, Field Generator with 3-axis stand, 10 kHz–100 MHz
- Model ATL80M1GM1, Log-periodic Antenna, 80 MHz–1 GHz
- Model TP1000BM1, Non-metallic Tripod for mounting the ATL80M1G
- (2) Model BF7160, RF Bulkhead Feed-through, 7/16 DIN Female connectors
- (2) Model CC31313030, Coaxial Cable, DC–6.5GHz, 900W, 7/16 DIN male, 7/16 DIN male, 3 meters long
- (2) Model CC31313070, Coaxial Cable, DC–6.5GHz, 900W, 7/16 DIN male, 7/16 DIN male, 7 meters long
- Model SC1000M3, System Controller, DC–18 GHz
- Model SG1200, Signal Generator, 9 kHz–1.2 GHz
- Model PM2003, Power Meter, 3 channel
- (2) Model PH2000, Power Head, 10 kHz–8 GHz, -60 to +20dBm
- Model FM7004M1, Field Monitor
- (2) Model FL7030/Kit M1, Isotropic "E" Field probe kit, 5 kHz–30 MHz, 1.5–300V/m
- (2) Model FL7006/Kit M1, Isotropic "E" Field probe kit, 100 kHz–6 GHz, .5–300V/m
- Model SW1007, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software (Includes GPIB and DAQ hardware)
- Desktop PC, preloaded with SW1007 software
- Color laser printer
- Pulse generator, Agilent Model 33220A, 20MHz



Control Room Desk Specifications:

Size (H x W x D).....75.5 x 182.9 x 82.3 cm (29.74 x 72.0 x 32.4 in)

Weight.....68.2 kg (150 lbs)