



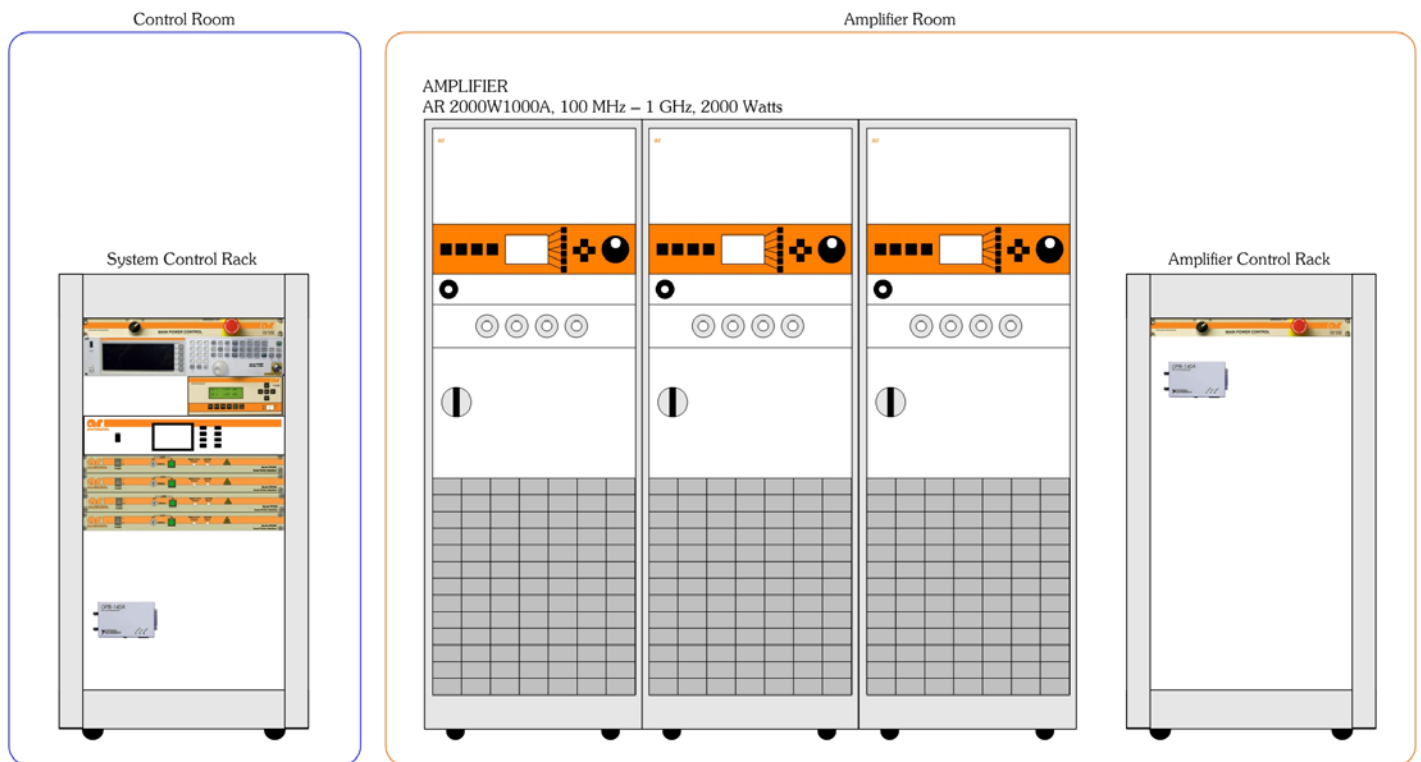
**Model AS01006
AR System
100 MHz–1 GHz**

The AS01006 AR System has been specially designed to perform Automotive Whole Vehicle radiated immunity testing up to 200V/m* @ 3 meter test distance from 100 MHz to 1 GHz. The system consists of the AR RF/Microwave Instrumentation equipment listed in the next page. 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 system control rack and the amplifier control rack are housed in 19" 20U racks. All internal RF and control (GPIB) cabling and AC power distribution is included.

Two antennas will be used from 100 MHz to 1 GHz to maximize the E-Field at 3 meter distance. TDK VLA-8001 will cover from 100 MHz to 200 MHz and AR AT4000A will cover from 200 MHz to 1 GHz.

*Typical



Model AS01006 Equipment List:

Item	Description
1	Signal Generator <ul style="list-style-type: none"> • SG6000, 100 kHz to 6 GHz • Agilent 33220A, 1 μHz to 20 MHz
2	Amplifiers, AR 2000W1000AM1, 100 MHz to 1 GHz, 2000 Watts, 1-5/8 EIA
3	Antennas <ul style="list-style-type: none"> • TDK VLA-8001, V-Log Antenna, 80 MHz to 1 GHz, 2.5 kW, SC (f) • TDK MVM-200R, Manual Vertical Mast • AT4000A, High Gain Horn Antenna, 200 MHz to 1 GHz, 5 kW • AP4000, Positioner for AT4000A
4	Power Monitoring System <ul style="list-style-type: none"> • PM2002, 2 Channel Power Meter, 10 kHz to 40 GHz • PH2000 (2ea), Power Head, 10 kHz to 8 GHz • DC6380, Dual Directional Coupler, 80 MHz to 1 GHz, 3000 Watts
5	Field Monitoring System <ul style="list-style-type: none"> • MP06000, 100 kHz to 6 GHz with FM7004, FL7006 (1ea), FI7000 (1ea) • FL7006/Kit (3ea), E-Field Laser Powered Laser Probe Kit, 100 kHz to 6 GHz
6	System Software. SW1006, Comprehensive EMC Test Software
7	System Controller <ul style="list-style-type: none"> • Compaq Windows XP Pro • MS Office 2007 Pro • Norton AV 2008 • GPIB Card • Samsung 19" LCD • HP Color Laser
8	System Accessories <ul style="list-style-type: none"> • 19" 20U System Control Rack (Control Room) • 19" 20U Amplifier Control Rack (Amplifier Room) • National Instrument GPIB-140A, Fiberoptic GPIB Extender (2ea) • Bird 8892-300, 2.5 kW, Oil-Cooled, 230 Vac, 1-5/8 EIA, DC to 2.4 GHz • RF Cables, Bulkheads, Adapters(1 set) • Fiberoptic Cables, Bulkheads (1 set) • GPIB Cables (1 set) • 1-5/8 Bulkheads (1 set)

