

rf/microwave instrumentation

Model SSMIL50V10K18G

MIL-STD-461D/€/F/G

AR Standard System

10kHz-18GHz

50V/m CW at 1 Meter Test Distance

The SSMIL50V10K18G System is designed to develop a 50 V/m field level at a 1m test distance for MIL-STD-461D/E/F/G testing from 10 kHz to 18 GHz. The signal generation, control, and power monitoring equipment shall be mounted in a ventilated equipment rack along with the RF amplifiers.

The SSMIL50V10K18G AR System consists of the AR equipment, listed herein. Please refer to individual product specification sheets for details. The export classification for this equipment is 3A001. This equipment is controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

AR Standardized Systems are customizable upon request. Contact AR for all such requests.

MIL-STD-461 AR Standard System Summary Requirements		
Parameter	Description	
System Frequency Range	10 kHz=18 GHz	
CW Field Strength	50 V/m	
Test Distance	1 meter	
Amplifier Configuration	Four (4) RF amplifiers were chosen for this test system: Model 600A400, Amplifier, 10kHz–400MHz, 600 Watts CW Model 150W1000B: 80–1000 MHz, 150 Watts Model 60/40S1G18B, RF Amplifier, 1–18 GHz, 60/40 Watts CW	
Antenna Configuration	Dedicated antennas for each amp to provide optimal field generation: Model ATE10K100MM2: 10 kHz–100 MHz, E-Field Generator Model ATR80M6G: 80 MHz–6 GHz Log Periodic Model DRH-118: 1–18 GHz Horn	
RF Cable Configuration	Three sets (one for each amp/antenna) consisting of 2 and 5 meter lengths and designated bulkhead feedthroughs for each set.	
Software Configuration	System and testing will be controlled using emcware® software which is preloaded and delivered on a new laptop as part of overall system. Price includes a 1 year support contract.	
Design approach	Self-contained equipment rack with internal pre-wired RF and power with automatic RF switching via SCP2000M3. AC power is filtered and distributed through an internal power distribution unit. All RF equipment input and outputs are on rear-panel of devices.	
Installation, Site Acceptance Testing (SAT) and Training	One week of installation, SAT and Training will be provided by AR Systems Engineers	
Export Classification	3A001	

Assumptions:

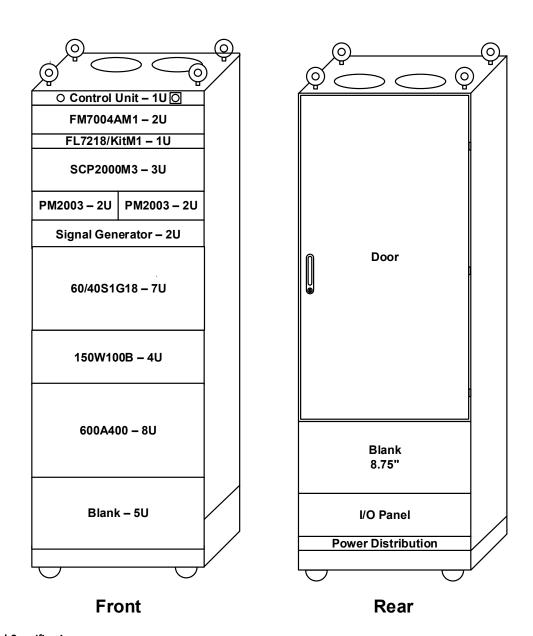
3 dB power margin on amplifiers to accommodate reasonable chamber and system losses

Field strength calculations are based on free-space conditions

Acodel 600A400-R-N-R-716-NSP-NE, Amplifier, 10kHz-400MHz, 600 Watts CW 1	Model SSMIL50V2M18G Equipment List	
Acidel 10046524, Dual Directional Coupler, 10kHz-400MHz, 1000 Watts CW 1 Acidel ATE10K100M, E-Field Generator, 10kHz-100MHz, 150 Watts CW 1 Acidel ATE10K100M, E-Field Generator, 10kHz-100MHz, 150 Watts CW 1 Acidel DC6080AM1, Dual Directional Coupler, 80-1000MHz, 150 Watts CW 1 Acidel ATE80M6G, Log Periodic Antenna, 80MHz-1GHz, 500 Watts CW 1 Acidel ATE80M6G, Log Periodic Antenna, 80MHz-1GHz, 5000 Watts CW 1 Acidel ATE80M6G, Log Periodic Antenna, 80MHz-1GHz, 5000 Watts CW 2 Acidel 60/40S1G18B-R-N-NE-U, RF Amplifier, 1-18 GHz, 60/40 Watts CW 1 Acidel DC7200A, Dual Directional Coupler, 0.7-6GHz, 250 Watts CW 1 Acidel DC7200A, Dual Directional Coupler, 4-18GHz, 200 Watts CW 1 Acidel DC7435A, Dual Directional Coupler, 4-18GHz, 200 Watts CW 1 Acidel DRH-118, Horn Antenna, 1-18 GHz, 300 Watts CW 1 Acidel DRH-118, Horn Antenna, 1-18 GHz, 300 Watts CW 2 Acidel PRH-2003, Power Meter, 3 channels 2 Acidel PH2003, Power Meter, 3 channels 2 Acidel PH2003, Power Head, 500 kHz-18GHz, -60dBm to +20dBm 2 Acidel PH2000A, Power Head, 10 kHz-8GHz, -60dBm to +20dBm 2 Acidel PH2000A, Power Head, 10 kHz-8GHz, -60dBm to +20dBm 2 Acidel PH2000A, Power Head, 10 kHz-8GHz, -60dBm to +20dBm 3 Acidel FC7020, Fiber Optic Cable Set, 20m 4 Acidel FC7020, Fiber Optic Cable Set, 20m 4 Acidel FC7020, Fiber Optic Cable Set, 20m 5 Acidel FC7020, Fiber Optic Cable Set, 20m 5 Acidel FC7030/KitM1, Field Probe Kit, 5KHz-30 MHz, 1.5-300V/m 5 Acidel FC7030/KitM1, Field Probe Kit, 2MHz-18 GHz, 2-1000V/m 5 Acidel FC7030, Low Loss Coaxial cable, N male, N male connectors, 2m 5 Acidel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 5m 1 Acidel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Acidel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Acidel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m 3 Acidel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m 4 Acidel Cc41313050, Low Loss Coaxial cable, N male, N male connectors, 5m 5 Acidel C	Component	Quantity
Acidel ATE10K100M, E-Field Generator, 10kHz-100MHz, 3000 Watts CW 1 Acidel 150W1000B-RN-RN-NE, Amplifier, 80–1000MHz, 150 Watts CW 1 Acidel DC6080AM1, Dual Directional Coupler, 80–1000MHz, 500 Watts CW 1 Acidel ATR80M6G, Log Periodic Antenna, 80MHz-1GHz, 5000 Watts CW 1 Acidel TP1000B, Non-metallic Tripod 2 Acidel ACIDEN Service Servic	Model 600A400-R-N-R-716-NSP-NE, Amplifier, 10kHz–400MHz, 600 Watts CW	
Acidel DC4080AM1, Dual Directional Coupler, 80–1000MHz, 150 Watts CW 1 Acidel DC6080AM1, Dual Directional Coupler, 80–1000MHz, 500 Watts CW 1 Acidel ATR80M6G, Log Periodic Antenna, 80MHz–1GHz, 5000 Watts CW 1 Acidel ATR80M6G, Log Periodic Antenna, 80MHz–1GHz, 5000 Watts CW 2 Acidel 60/40S1G18B-R-N-NE-U, RF Amplifier, 1–18 GHz, 60/40 Watts CW 1 Acidel DC7200A, Dual Directional Coupler, 0,7–6GHz, 250 Watts CW 1 Acidel DC7200A, Dual Directional Coupler, 4–18GHz, 250 Watts CW 1 Acidel DC7435A, Dual Directional Coupler, 4–18GHz, 200 Watts CW 1 Acidel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW 1 Acidel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW 1 Acidel PR2000M3, System Controller, DC–18 GHz Acidel PR2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm 2 Acidel PH2000A, Power Head, 500 kHz–8GHz, -60dBm to +20dBm 2 Acidel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm 2 Acidel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm 3 Acidel FC7020, Fiber Optic Cable Set, 20m 1 Acidel FC7020, Fiber Optic Cable Set, 20m Acidel FC7030/KitM1, Field Monitor 1 Acidel FC7030/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m 1 Acidel FC71300/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m 1 Acidel FC7111020, Low Loss Coaxial cable, N male Connectors, 2m 1 Acidel CC411111020, Low Loss Coaxial cable, N male, N male connectors, 2m 2 Acidel CC411111050, Low Loss Coaxial cable, N male, N male connectors, 5m 1 Acidel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Acidel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Acidel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Acidel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 1 Acidel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Acidel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 3 Included est System Control PC Acidel emcware* 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Model 10046524, Dual Directional Coupler, 10kHz-400MHz, 1000 Watts CW	
Addel DC6080AM1, Dual Directional Coupler, 80–1000MHz, 500 Watts CW 1 Addel ATR80M6G, Log Periodic Antenna, 80MHz–1GHz, 5000 Watts CW 2 Addel 60/40S1G18B-R-N-NE-U, RF Amplifier, 1–18 GHz, 60/40 Watts CW 1 Addel DC7200A, Dual Directional Coupler, 0.7–6GHz, 250 Watts CW 1 Addel DC7435A, Dual Directional Coupler, 4–18GHz, 200 Watts CW 1 Addel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW 1 Addel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW 1 Addel PR2000M3, System Controller, DC–18 GHz Addel PR20003, Power Meter, 3 channels 2 Addel PR20005, Power Head, 500 kHz–18GHz, -60dBm to +20dBm 2 Addel PR20005, Power Head, 10 kHz–8GHz, -60dBm to +20dBm 2 Addel PR2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm 2 Addel PR2000A, Power Head, 10 kHz–8GHz, rear panel connectors (Keysight N5173B-520 EXG X-series with options -10 Nodel FC7020, Fiber Optic Cable Set, 20m Addel FM7004AM1, Field Monitor 1 Addel FM7004AM1, Field Monitor 1 Addel FM7004AM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Addel FC7030, Fiber Optic Cable Set, 20m Addel FC7030, Burkhead Feed-through, 7/16 DIN female Addel BF7160, Bulkhead Feed-through, 7/16 DIN female Addel BF7160, Bulkhead Feed-through, 7/16 DIN female Addel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 2m Addel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 1 Addel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Addel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Included C410111050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Included C410111050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Included C410111050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Included C410111050, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Included C41011050, Low Loss Coaxial cable, N male, N male connectors, 5m 3 Included C41011050, Low Loss Coaxial cable, N male, N male connectors, 5m 3 Included C41011050, Low Loss Coaxial cable, N male, N male connectors, 5m 3 Included C41011050,	Model ATE10K100M, E-Field Generator, 10kHz–100MHz, 3000 Watts CW	1
Andel ATR80M6G, Log Periodic Antenna, 80MHz–1GHz, 5000 Watts CW 1 Andel TP1000B, Non-metallic Tripod 2 Andel 60/40S1G18B-R-N-NE-U, RF Amplifier, 1–18 GHz, 60/40 Watts CW 1 Andel DC7200A, Dual Directional Coupler, 0.7–6GHz, 250 Watts CW 1 Andel DC7435A, Dual Directional Coupler, 4–18GHz, 200 Watts CW 1 Andel DRH-11B, Horn Antenna, 1–18 GHz, 300 Watts CW 1 Andel DRH-11B, Horn Antenna, 1–18 GHz, 300 Watts CW 1 Andel PR2003, System Controller, DC–18 GHz 1 Andel PM2003, Power Meter, 3 channels 2 Andel PH2005, Power Head, 500 kHz–18GHz, -60dBm to +20dBm 2 Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm 2 Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm 2 Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm 3 Andel FT200A, Fiber Optic Cable Set, 20m 4 Andel FC7020, Fiber Optic Cable Set, 20m 4 Andel FC7020, Fiber Optic Cable Set, 20m 5 Andel FL7030/KitM1, Field Anonitor 1 Andel FL7218/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m 1 Andel FC7218/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m 1 Andel FC74111020, Low Loss Coaxial cable, N male, N male connectors, 2m 1 Andel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 5m 1 Andel CC41313020, Low Loss Coaxial cable, N male, N male connectors, 5m 2 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 2 Andel CC41111050, Low Loss Coaxial cable, N male connectors, 5m 2 Andel CC41111050, Low Loss Coaxial cable, N male connectors, 5m 2 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 3 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 4 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 2 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 3 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 4 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 5 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 6 Andel CC41313050, Low Loss Coaxial cable, N male connectors, 5m 7 Andel CC41313050, Low Loss Coaxial cable,	Model 150W1000B-RN-RN-NE, Amplifier, 80–1000MHz, 150 Watts CW	1
Andel TP1000B, Non-metallic Tripod Andel 60/40S1G18B-R-N-NE-U, RF Amplifier, 1–18 GHz, 60/40 Watts CW Andel 60/40S1G18B-R-N-NE-U, RF Amplifier, 1–18 GHz, 60/40 Watts CW Andel DC7200A, Dual Directional Coupler, 0.7–6GHz, 250 Watts CW Andel DC7435A, Dual Directional Coupler, 4–18GHz, 200 Watts CW Andel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW Andel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW Andel SCP2000M3, System Controller, DC–18 GHz Andel PM2003, Power Meter, 3 channels Andel PH2005, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–10	Model DC6080AM1, Dual Directional Coupler, 80–1000MHz, 500 Watts CW	
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Andel DC7200A, Dual Directional Coupler, 0.7–6GHz, 250 Watts CW Andel DC7435A, Dual Directional Coupler, 4–18GHz, 200 Watts CW Andel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW Andel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW Andel DRH-2000M3, System Controller, DC–18 GHz Andel PM2003, Power Meter, 3 channels Andel PM2005, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–80Hz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–80Hz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–80Hz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–80Hz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–80Hz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–80Hz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz–80Hz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM200A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM200A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM200A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM200A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM200A, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PM200A,	Model TP1000B, Non-metallic Tripod	
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Andel DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW Andel SCP2000M3, System Controller, DC–18 GHz Andel PM2003, Power Meter, 3 channels Andel PM2005, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm analog Signal Generator, 9kHz–20GHz, rear panel connectors (Keysight N5173B-520 EXG X-series with options -1NW, -UNT, -1E1, -1EM, -UK6, -1CM110A or equivalent) Andel FC7020, Fiber Optic Cable Set, 20m Andel FC7020, Fiber Optic Cable Set, 20m Andel FL7030/KitM1, Field Monitor Andel FL7218/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Andel FL7218/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Andel PS2000B, Probe Stand Andel BF7160, Bulkhead Feed-through, 7/16 DIN female Andel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Andel CC41111050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC411313050, Low Loss Coaxial cable, N male, N male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial	Model DC7200A, Dual Directional Coupler, 0.7–6GHz, 250 Watts CW	
Andel SCP2000M3, System Controller, DC-18 GHz Andel PM2003, Power Meter, 3 channels Andel PM2005, Power Head, 500 kHz-18GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz-8GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz-8GHz, -60dBm to +20dBm Andel PM2000A, Power Head, 10 kHz-8GHz, -60dBm to +20dBm Andel Signal Generator, 9kHz-20GHz, rear panel connectors (Keysight N5173B-520 EXG X-series with options - Andel FC7020, Fiber Optic Cable Set, 20m Andel FC7020, Fiber Optic Cable Set, 20m Andel FM7004AM1, Field Monitor Andel FL7030/KitM1, Field Probe Kit, 5KHz-30 MHz, 1.5-300V/m Andel FL7218/KitM1, Field Probe Kit, 2MHz-18 GHz, 2-1000V/m Andel FF7000B, Probe Stand Andel BF7160, Bulkhead Feed-through, 7/16 DIN female Andel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Andel CC41313020, Low Loss Coaxial cable, N male, N male connectors, 2m Andel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Andel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m	Model DC7435A, Dual Directional Coupler, 4–18GHz, 200 Watts CW	
Addel PM2003, Power Meter, 3 channels Addel PH2005, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Addel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Analog Signal Generator, 9kHz–20CHz, rear panel connectors (Keysight N5173B-520 EXG X-series with options - NNW, -UNT, -1E1, -1EM, -UK6, -1CM110A or equivalent) Addel FC7020, Fiber Optic Cable Set, 20m Addel FM7004AM1, Field Monitor Addel FL7030/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Addel FL7030/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Addel FL7018/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Addel FS2000B, Probe Stand Addel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Addel CC41313020, Low Loss Coaxial cable, N male, N male connectors, 2m Addel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m 1 Model CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m 2 Ull internal interconnect cables between system components Included est System Control PC Addel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Model DRH-118, Horn Antenna, 1–18 GHz, 300 Watts CW	
Addel PH2005, Power Head, 500 kHz–18GHz, -60dBm to +20dBm Addel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Analog Signal Generator, 9kHz–20GHz, rear panel connectors (Keysight N5173B-520 EXG X-series with options - INW, -UNT, -1E1, -1EM, -UK6, -1CM110A or equivalent) Addel FC7020, Fiber Optic Cable Set, 20m Analog FM7004AM1, Field Monitor Analog FM7004AM1, Field Monitor Analog FM7004AM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Analog FM7004AM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Analog FM7004AM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Analog FM7004AM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Analog FM7160, Bulkhead Feed-through, 7/16 DIN female Analog FM7160, Bulkhead Feed-through, 7/16 DIN male connectors, 2m Analog CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Analog CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Analog CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m 2 Included CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m 2 Included lest System Control PC Analog CMAD CMAD CMAD CMAD CMAD CMAD CMAD CMAD	Model SCP2000M3, System Controller, DC-18 GHz	
Andel PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm Analog Signal Generator, 9kHz–20GHz, rear panel connectors (Keysight N5173B-520 EXG X-series with options - INW, -UNT, -1E1, -1EM, -UK6, -1CM110A or equivalent) Andel FC7020, Fiber Optic Cable Set, 20m Andel FM7004AM1, Field Monitor Andel FL7030/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Andel FL7218/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Andel PS2000B, Probe Stand Andel BF7160, Bulkhead Feed-through, 7/16 DIN female Andel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Andel CC41313020, Low Loss Coaxial cable, N male, N male connectors, 2m Andel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Indeed CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Included cest System Control PC Andel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Model PM2003, Power Meter, 3 channels	
Analog Signal Generator, 9kHz–20GHz, rear panel connectors (Keysight N5173B-520 EXG X-series with options - INW, -UNT, -1E1, -1EM, -UK6, -1CM110A or equivalent) Anodel FC7020, Fiber Optic Cable Set, 20m Anodel FM7004AM1, Field Monitor Anodel FL7030/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Anodel FL7218/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Anodel PS2000B, Probe Stand Anodel BF7160, Bulkhead Feed-through, 7/16 DIN female Anodel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Anodel CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Anodel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m I Model CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m I Included CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m I Model CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m I Included Loss System Control PC Anodel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Model PH2005, Power Head, 500 kHz–18GHz, -60dBm to +20dBm	
INW, -UNT, -1E1, -1EM, -UK6, -1CM110A or equivalent) Addel FC7020, Fiber Optic Cable Set, 20m Addel FK7004AM1, Field Monitor Addel FL7030/KitM1, Field Probe Kit, 5KHz-30 MHz, 1.5-300V/m Addel FL7218/KitM1, Field Probe Kit, 2MHz-18 GHz, 2-1000V/m Addel PS2000B, Probe Stand Addel PS2000B, Probe Stand Addel BF7160, Bulkhead Feed-through, 7/16 DIN female Addel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Addel CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Addel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Included CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Included est System Control PC Addel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Model PH2000A, Power Head, 10 kHz–8GHz, -60dBm to +20dBm	
Acdel FM7004AM1, Field Monitor Acdel FL7030/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Acdel FL7218/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Acdel PS2000B, Probe Stand Acdel BF7160, Bulkhead Feed-through, 7/16 DIN female Acdel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Acdel CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Acdel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Acdel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Il internal interconnect cables between system components Included est System Control PC Acdel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Analog Signal Generator, 9kHz–20GHz, rear panel connectors (Keysight N5173B-520 EXG X-series with options - UNW, -UNT, -1E1, -1EM, -UK6, -1CM110A or equivalent)	
Model FL7030/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m Model FL7218/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Model PS2000B, Probe Stand Model BF7160, Bulkhead Feed-through, 7/16 DIN female Model CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Model CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Model CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Model CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m Il internal interconnect cables between system components Included est System Control PC Model emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Model FC7020, Fiber Optic Cable Set, 20m	
Aodel FL7218/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m Aodel PS2000B, Probe Stand Aodel BF7160, Bulkhead Feed-through, 7/16 DIN female Aodel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Aodel CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Aodel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Aodel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m Il internal interconnect cables between system components Included est System Control PC Addel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Model FM7004AM1, Field Monitor	
Acodel PS2000B, Probe Stand Acodel BF7160, Bulkhead Feed-through, 7/16 DIN female Acodel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Acodel CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Acodel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Acodel CC41313050, Low Loss Coaxial cable, N male, N male connectors, 5m Acodel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m 2 Included est System Control PC 1 Acodel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software* 1	Model FL7030/KitM1, Field Probe Kit, 5KHz–30 MHz, 1.5-300V/m	
Aodel BF7160, Bulkhead Feed-through, 7/16 DIN female Aodel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Aodel CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Aodel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m Aodel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m Il internal interconnect cables between system components Included est System Control PC Addel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	Model FL7218/KitM1, Field Probe Kit, 2MHz–18 GHz, 2-1000V/m	
Addel CC41111020, Low Loss Coaxial cable, N male, N male connectors, 2m Addel CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Addel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 1 Addel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m 2 All internal interconnect cables between system components Included est System Control PC 1 Addel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software* 1	Model PS2000B, Probe Stand	
Aodel CC41313020, Low Loss Coaxial cable, 7/16 DIN male connectors, 2m Aodel CC41111050, Low Loss Coaxial cable, N male, N male connectors, 5m 1 Aodel CC41313050, Low Loss Coaxial cable, 7/16 DIN male connectors, 5m 2 Il internal interconnect cables between system components Included est System Control PC Aodel emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software* 1	Model BF7160, Bulkhead Feed-through, 7/16 DIN female	
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Model emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	All internal interconnect cables between system components	
	Test System Control PC	
mcware® 5.0, 1-year support contract*	Model emcware® 5.0, Radiated Susceptibility, Conducted Immunity, and Emissions Test Software*	
	emcware® 5.0, 1-year support contract*	

^{*}Model emcware® 5.0 and service contract to be quoted as separate line items and are therefore not included in the price of the system

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Rack Physical Specifications:

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