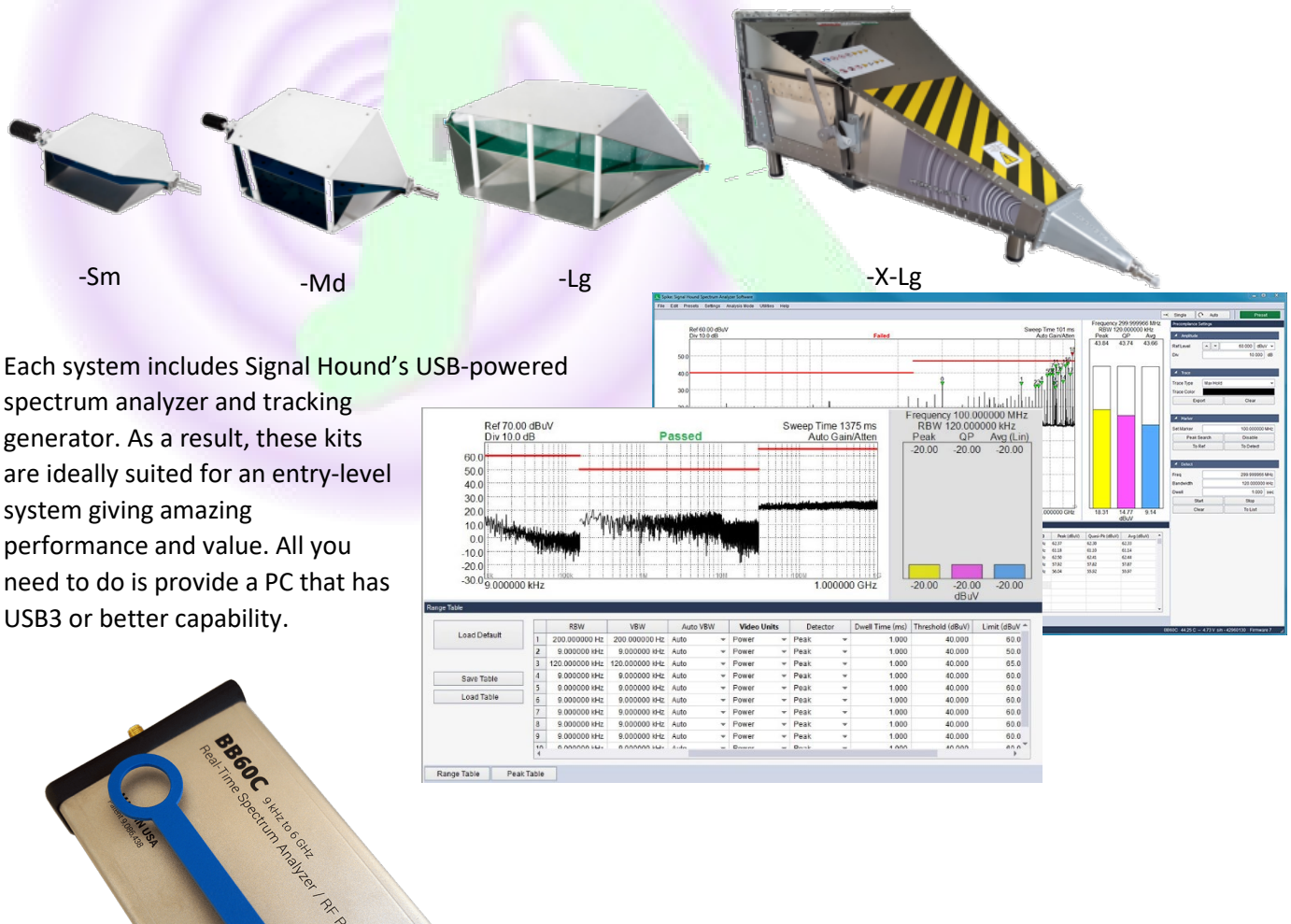


AB-Precompliant Test Kits



Absolute EMC has designed low-cost pre-compliance systems to meet a wide range of RF emissions and immunity needs. Some form of pre-complaint testing is a must for any company that needs to demonstrate their product for EMC compliance. This enables companies to be responsive when issues happen and to also be proactive before going to the lab to better your chances of passing the first time. Each system has a selection of tools for emissions and immunity, a spectrum analyzer, and a tracking generator for measuring emissions and generating a signal for immunity. Each kit includes nearfield sniffer probes, current probes, TEM/GTEM, LISN, and antennas. Including pre-amps for measuring lower level emissions and modulation amplifiers to drive immunity levels with AM and pulse signals. All interconnecting coax, adaptors, and attenuators are included. Each system comes with phone and email consulting support on uses and setups.

There are 4 different TEM/GTEM sized systems for testing up to 4.4 GHz. The Sm system can test board-level products, whereas the -X-Lg can test shoebox-size products. Then there is a Deluxe offering of each size which includes testing up to 6GHz with a real-time spectrum analyzer to improve measurement speeds vastly.





Each system includes Signal Hound's USB-powered spectrum analyzer and tracking generator. As a result, these kits are ideally suited for an entry-level system giving amazing performance and value. All you need to do is provide a PC that has USB3 or better capability.

Spectrum Analyzer Specifications

Feature	USB-SA44B (standard)	BB60C (Deluxe)
Frequency Range	1 Hz to 4.4 GHz	9 kHz to 6.0 GHz
Streaming calibrated I/Q Data	250 kHz IF bandwidth, amplitude corrected	250 kHz to 27 MHz of selectable IF bandwidth, amplitude corrected
Amplitude	+10dBm to Displayed Average Noise Level (DANL)	+10 dBm to Displayed Average Noise Level (DANL)
Amplitude Accuracy	±1.5dB (0dBm to DANL) ±2.0dB (+10dBm to >0dBm)	±2.0 dB (Flat-top Windowing)
Dynamic Range	-151 dBm to +10 dBm	-158 dBm to +10 dBm
Resolution bandwidths (RBW)	0.1 Hz to 250 kHz and 5 MHz	10 Hz to 10 MHz
Image / Spurious Performance	Unspecified, via software filtering	< -50 dBc, via hardware filtering
Sweep Speed	140 MHz/sec	24 GHz/sec
Device Weight	0.64 lb. (0.29 kg)	1.10 lbs. (0.50 kg)
Device Size	7.7" x 3.19" x 1.19" (196mm x 81mm x 30mm)	8.63" x 3.19" x 1.19" (219mm x 81mm x 30mm)
Tracking Generator Compatible?	Yes, with all Signal Hound TG-model devices	Yes, with all Signal Hound TG-model devices
System Requirements	Windows® 7, Windows® 8, Windows® 10 Minimum of an Intel® Atom™ N2600 or Intel® Core™ i3 processor, one USB 2.0 port	Windows® 7, Windows® 8, Windows® 10 Intel® i7, 3rd generation or later with a quad-core processor, one USB 3.0 port, and one adjacent USB 2.0 or USB 3.0 port
		

Tracking Generator Specifications

Feature	USB-TG44A (standard)	USB-TG124A (Deluxe)
Frequency Range	10 Hz to 4.4 GHz	100 kHz to 12.4 GHz
Step sizes:	19 selectable step sizes from 10 Hz to 10 MHz	19 selectable step sizes from <4 GHz: 10 Hz to 10 MHz steps >4 GHz: 100 Hz to 10 MHz steps
Sweep Speed	up to 700 frequency/sec	up to 700 frequency/sec
Amplitude range:	-30 to -10 dBm	-30 dBm to -12 dBm
Amplitude steps:	1 dB	1 dB
Harmonics:	Typically < -10dBc	Typically < -10dBc
Device Weight	0.6 lbs (.27 kg)	0.68 lbs (.3 kg)
Device Size	7.7" x 3.19" x 1.19" (196mm x 81mm x 30mm)	7.7" x 3.19" x 1.19" (196mm x 81mm x 30mm)
System Requirements	Windows® 7, 8, or 10 operating systems. You must have at least 1GB of free disc space, 1GB of RAM, one USB 2.0 port, and a 2 GHz dual-core processor.	Windows® 7, 8, or 10 operating systems. You must have at least 1GB of free disc space, 1GB of RAM, one USB 2.0 port, and a 2 GHz dual-core processor.
		

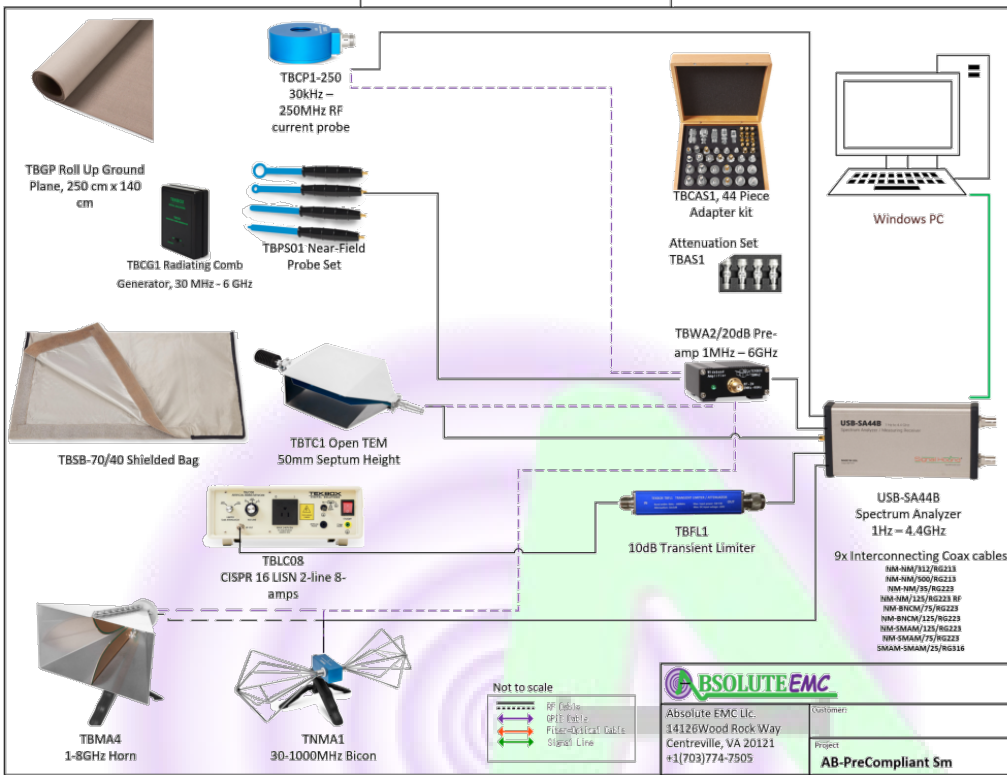
AB-Precompliant Test Kits Equipment

AB-Precompliant Test Kits	-Sm	-Md	-Lg	-X-Lg	-Deluxe Sm	-Deluxe Md	-Deluxe Lg	-Deluxe X-Lg	Description
USB-SA44B	X	X	X	X					4.4 GHz Spectrum analyzer
USB-TG44A	X	X	X	X					4.4 GHz Tracking Generator
BB60C					X	X	X	X	6 GHz Real-Time Spec-An
USB-TG124A					X	X	X	X	6+GHz Tracking Generator
Spike analyzer software	X	X	X	X	X	X	X	X	Measurement Software
TBTC1	X				X				TEM Cell 50mm Septum 3 GHz EUT test volume : 6.3 cm x 4.3 cm x 2 cm (1/3 available area)
TBTC2		X				X			TEM Cell 100mm Septum 800 MHz EUT test volume: 7.6 cm x 9.3 cm x 3.3 cm (1/3 available area)
TBTC3			X				X		TEM Cell 150mm Septum 700 MHz EUT test volume: 12 cm x 16 cm x 5 cm (1/3 available area)
GTEM 250 A-F				X				X	GTEM Cell 250mm Septum 20 GHz EUT test volume 20 cm x 20 cm x 15 cm
TBSB-70/40	X				X				Shield bag 70x40cm
TBSB-105/60		X				X			Shield bag 105x60cm
TBST120/60/60/2-B			X				X		Shield Tent 120x60x60cm
TBLC08	X	X	X	X					CISPR 16 LISN 8 amps, 50µH, 30MHz
TBL5016-2					X	X	X	X	CISPR 16 LISN 16 amps, 50µH, 30MHz
TBFL1	X	X	X	X	X	X	X	X	10dB Transient limiter
TBCP1-250	X	X	X	X					Current probe 250MHz
TBCP2-750					X	X	X	X	Clamp-on Current probe 750MHz
TBGP	X	X	X	X	X	X	X	X	Role up ground plane 250x140cm
TBPS01-TBWA2/20dB	X	X	X	X					Near Field probes with 20dB Pre-amp
TBPS01-TBWA2/40dB					X	X	X	X	Near Field probes with 40dB Pre-amp
TBMA4	X	X	X	X	X	X	X	X	Double Ridge Horn Antenna 1-8GHz
TBMA1	X	X	X	X	X	X	X	X	Mini Biconical Antenna 30-1000MHz
TBTP1					X	X	X	X	Collapsible Tripod
TBCG1	X	X	X	X	X	X	X	X	6GHz Comb Generator
TBMDA1	X								Modulated amplifier, 25M-3GHz, 9dBm
TBMDA2		X	X		X	X	X		Modulated amplifier, 10M-1.5GHz, 27dBm
TBMDA3				X				X	Modulated amplifier, 10M-1GHz, 20W
TBMDA4B				X				X	Modulated amplifier, 10k-75MHz, 20W
TBCAS1	X	X	X	X	X	X	X	X	44pc Coax adaptors
TBAS1	X	X	X	X	X	X	X	X	2W Attenuator set
TBAS2					X	X	X	X	SMA Attenuator/termination set
TBAS3					X	X	X	X	5W Attenuator Set
NM-NM/312/RG213	X	X	X	X	X	X	X	X	312cm Coax N-N
NM-NM/500/RG213	X	X	X	X	X	X	X	X	500cm Coax N-N
NM-NM/35/RG223	X	X	X	X	X	X	X	X	35cm Coax N-N
NM-NM/125/RG223 RF	X	X	X	X	X	X	X	X	125cm Coax N-N
NM-BNCM/75/RG223	X	X	X	X	X	X	X	X	75cm Coax N-BNC
NM-BNCM/125/RG223	X	X	X	X	X	X	X	X	125cm Coax N-BNC
NM-SMAM/125/RG223	X	X	X	X	X	X	X	X	125cm Coax N-SMA
NM-SMAM/75/RG223	X	X	X	X	X	X	X	X	75cm Coax N-SMA
SMAM-SMAM/25/RG316	X	X	X	X	X	X	X	X	25cm Coax SMA-SMA
TBCH1					X	X	X	X	Wall Mount Cable holder
Setup and testing support	X	X	X	X	X	X	X	X	2 year online and phone support

Please refer to each items spec sheet for further information

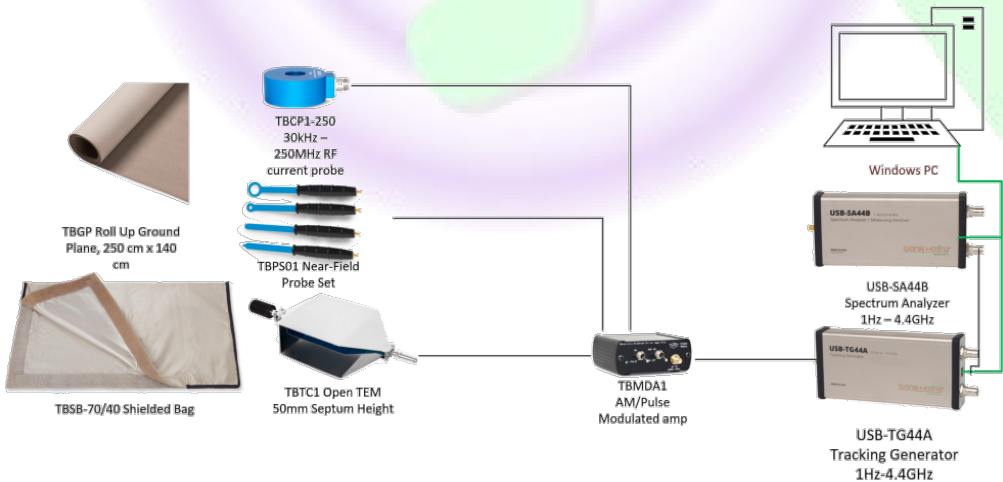
AB-Precompliant-Sm Diagram

Emissions



Model	Description
USB-SA44B	Spectrum Analyzer 1 Hz to 4.4 GHz Resolution bandwidths (RBW) of 0.1 Hz to 250 kHz and 5 MHz (SMA)
USB-TG44A	10 Hz to 4.4 GHz tracking generator which works with your USB-SA44(B)
TBTC1	Open TEM Cell for EMC Pre-Compliance Testing, 50mm Septum, (Type-N)
TBSB-70/40	Shielded Bags 70 cm x 40 cm
TBLC08	50uH Line Impedance Stabilization Network 8 amps LISN CISPR 16, (BNC)
TBFL1	Transient Limiter, (Type-N)
TBGP	Roll Up Ground Plane, 250 cm x 140 cm
TBPS01-TBWA2/20dB	EMC Near-field Probe Set + 20dB Wideband Amplifier, (BNC)
TBMA4	Double Ridge Horn Antenna, 1 GHz - 8 GHz
TBMA1	small, lightweight, wideband biconical measurement antenna, 30 MHz - 1000MHz
TBCP1-250	25mm Fixed Aperture RF Current Monitoring Probes, up to 250 MHz, (Type-N)
TBCG1	Radiating Comb Generator, 30 MHz - 6 GHz
TBMDA1	Modulated Wideband Driver Amplifier, >22dBm, CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBCAS1	Coaxial Adapter Set, 44 pieces of the most common 50 Ohm coaxial adapters
TBAS1	2W 3GHz N RF Attenuator Set 3dB, 6dB, 10dB, 20dB N connector, 3 GHz, 2W
NM-NM/312/RG213	RF cable, N-Male to N-Male cable, 312 cm, RG213/U
NM-NM/500/RG213	RF cable, N-Male to N-Male cable, 500 cm, RG213/U
NM-NM/35/RG223	RF cable, N-Male to N-Male cable, 35 cm, RG223/U
NM-NM/125/RG223 RF	RF cable, N-Male to N-Male cable, 125 cm, RG223/U
NM-BNCM/75/RG223	RF cable, N-Male to BNC-Male, 75 cm, RG223/U
NM-BNCM/125/RG223	RF cable, N-Male to BNC-Male, 125 cm, RG223/U
NM-SMAM/125/RG223	RF cable, N-Male to SMA-Male, 125 cm, RG223/U
NM-SMAM/75/RG223	RF cable, N-Male to SMA-Male, 75 cm, RG223/U
SMAM-SMAM/25/RG316	RF cable, SMA-Male to SMA-Male, 25cm, RG316/U Remote support

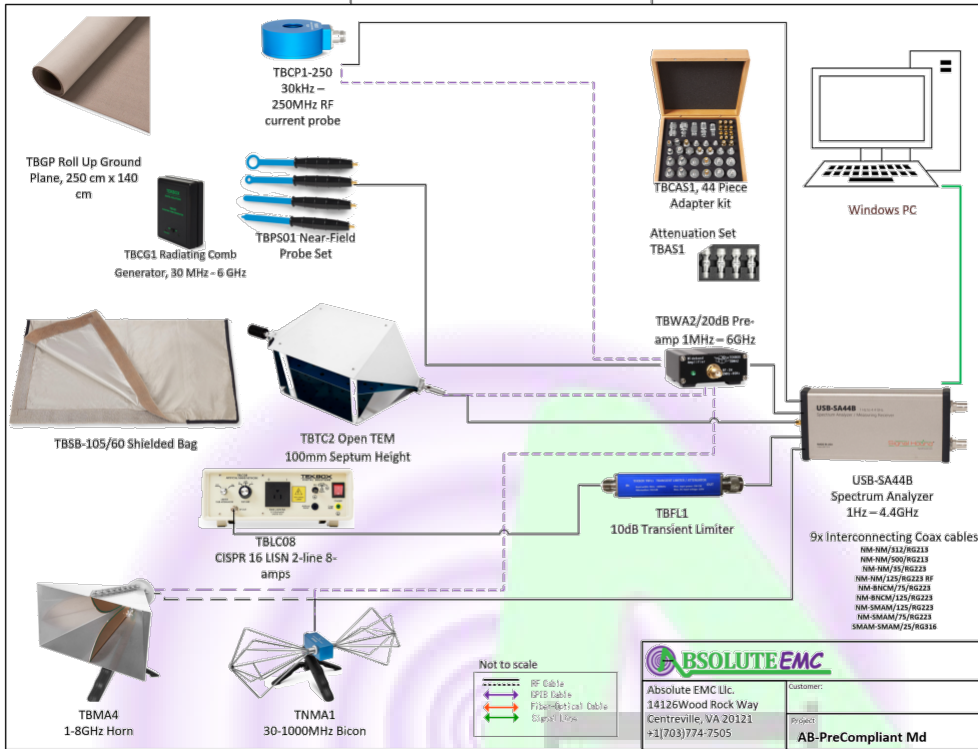
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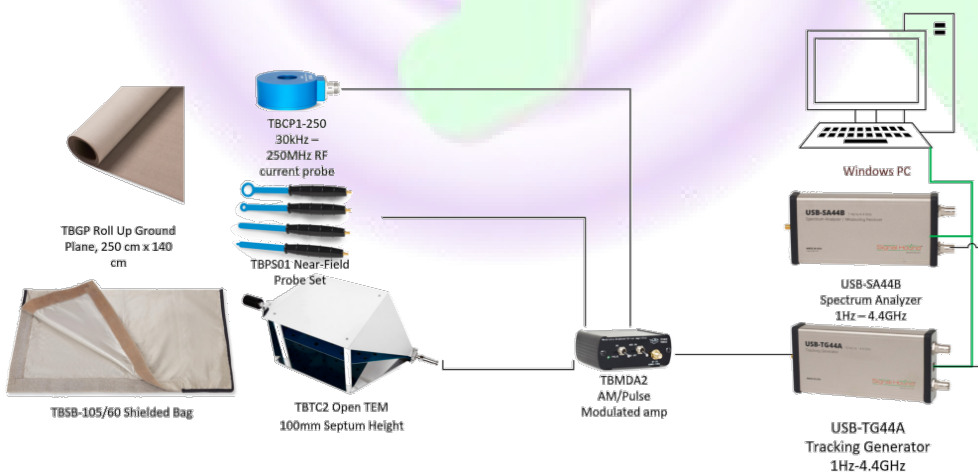
AB-Precompliant-Md Diagram

Emissions



Model	Description
USB-SA44B	Spectrum Analyzer 1Hz to 4.4 GHz Resolution bandwidths (RBW) of 0.1 Hz to 250 kHz and 5 MHz (SMA)
USB-TG44A	10 Hz to 4.4 GHz tracking generator which works with your USB-SA44(B)
TBTC2	Open TEM Cell for EMC Pre-Compliance Testing, 100mm Septum, (Type-N)
TBSB-105/60	Shielded Bags 105 cm x 60 cm
TBLC08	50uH Line Impedance Stabilization Network 8 amps LISN CISPR 16, (BNC)
TBFL1	Transient Limiter, (Type-N)
TBGP	Roll Up Ground Plane, 250 cm x 140 cm
TBPS01-TBWA2/20dB	EMC Near-field Probe Set + 20dB Wideband Amplifier, (BNC)
TBMA4	Double Ridge Horn Antenna, 1 GHz - 8 GHz
TBMA1	small, lightweight, wideband biconical measurement antenna, 30 MHz - 1000MHz
TBCP1-250	25mm Fixed Aperture RF Current Monitoring Probes, up to 250 MHz, (Type-N)
TBCG1	Radiating Comb Generator, 30 MHz - 6 GHz
TBMADA2	Modulated Wideband Driver Amplifier, >27dBm, CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBCA51	Coaxial Adapter Set, 44 pieces of the most common 50 Ohm coaxial adapters
TBAS1	2W 3GHz N RF Attenuator Set 3dB, 6dB, 10dB, 20dB N connector, 3 GHz, 2W
NM-NM/312/RG213	RF cable, N-Male to N-Male cable, 312 cm, RG213/U
NM-NM/500/RG213	RF cable, N-Male to N-Male cable, 500 cm, RG213/U
NM-NM/35/RG223	RF cable, N-Male to N-Male cable, 35 cm, RG223/U
NM-NM/125/RG223 RF	RF cable, N-Male to N-Male cable, 125 cm, RG223/U
NM-BNCM/75/RG223	RF cable, N-Male to BNC-Male, 75 cm, RG223/U
NM-BNCM/125/RG223	RF cable, N-Male to BNC-Male, 125 cm, RG223/U
NM-SMAM/125/RG223	RF cable, N-Male to SMA-Male, 125 cm, RG223/U
NM-SMAM/75/RG223	RF cable, N-Male to SMA-Male, 75 cm, RG223/U
SMAM-SMAM/25/RG316	RF cable, SMA-Male to SMA-Male, 25cm, RG316/U
	Remote support

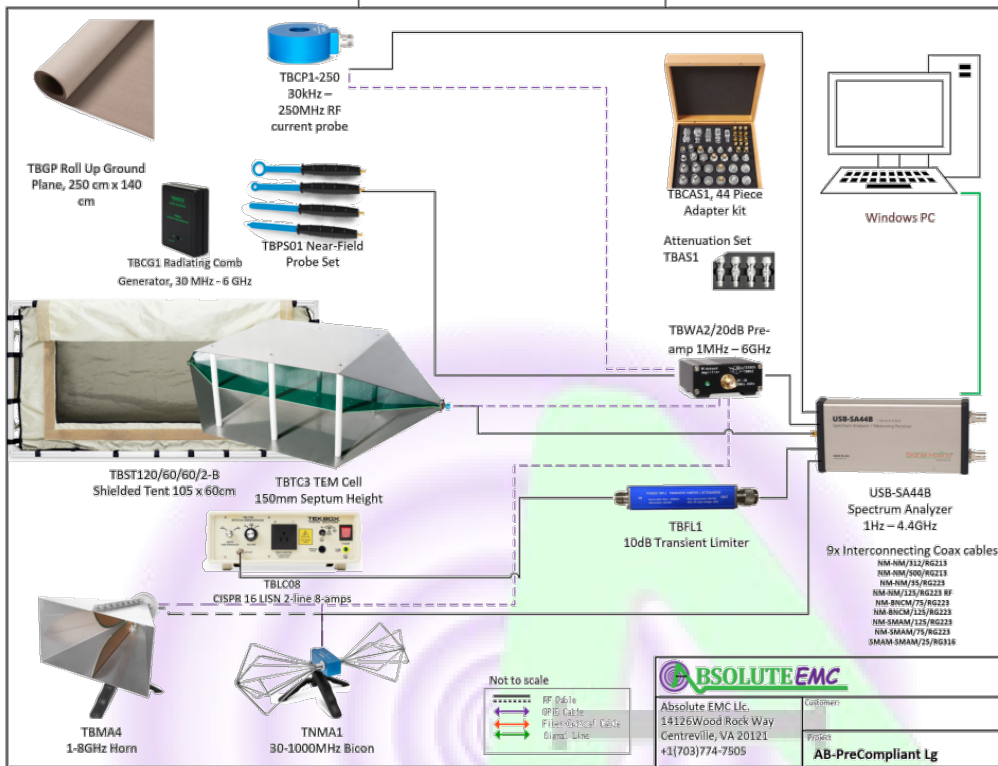
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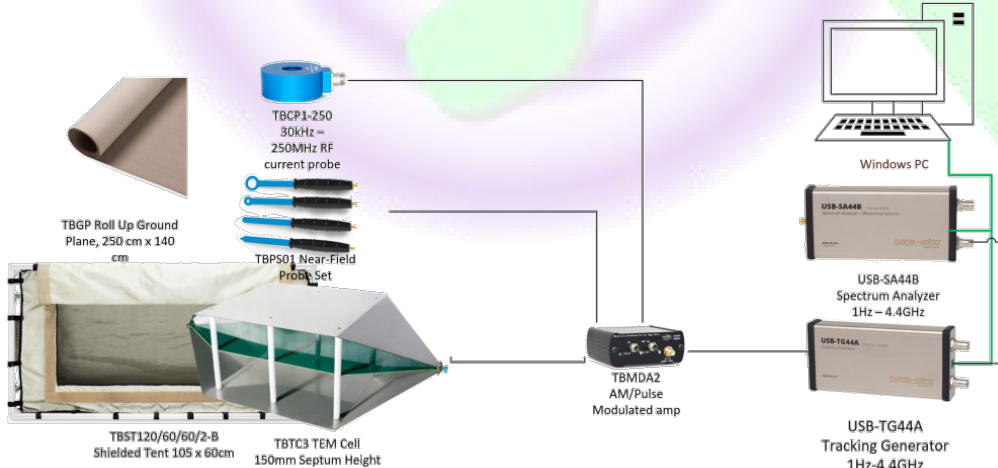
AB-Precompliant-Lg Diagram

Emissions



Model	Description
USB-SA44B	Spectrum Analyzer 1 Hz to 4.4 GHz Resolution bandwidths (RBW) of 0.1 Hz to 250 kHz and 5 MHz (SMA)
USB-TG44A	10 Hz to 4.4 GHz tracking generator which works with your USB-SA44(B)
TBTC3	Open TEM Cell for EMC Pre-Compliance Testing, 150mm Septum, (Type-N)
TBST120/60/60/2-B	Shielded Tent 105 cm x 60 cm
TBLC08	50uH Line Impedance Stabilization Network 8 amps LISN CISPR 16, (BNC)
TBFL1	Transient Limiter, (Type-N)
TBGP	Roll Up Ground Plane, 124 cm x 64 cm x 60 cm
TBPS01-TBWA2/20dB	EMC Near-field Probe Set + 20dB Wideband Amplifier, (BNC)
TBMA4	Double Ridge Horn Antenna, 1 GHz – 8 GHz
TBMA1	small, lightweight, wideband biconical measurement antenna, 30 MHz – 1000MHz
TBCP1-250	25mm Fixed Aperture RF Current Monitoring Probes, up to 250 MHz, (Type-N)
TBCG1	Radiating Comb Generator, 30 MHz - 6 GHz
TBMDA2	Modulated Wideband Driver Amplifier, >27dBm, CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBCAS1	Coaxial Adapter Set, 44 pieces of the most common 50 Ohm coaxial adapters
TBAS1	2W 3GHz N RF Attenuator Set 3dB, 6dB, 10dB, 20dB N connector, 3 GHz, 2W
NM-NM/312/RG213	RF cable, N-Male to N-Male cable, 312 cm, RG213/U
NM-NM/500/RG213	RF cable, N-Male to N-Male cable, 500 cm, RG213/U
NM-NM/35/RG223	RF cable, N-Male to N-Male cable, 35 cm, RG223/U
NM-NM/125/RG223 RF	RF cable, N-Male to N-Male cable, 125 cm, RG223/U
NM-BNCM/75/RG223	RF cable, N-Male to BNC-Male, 75 cm, RG223/U
NM-BNCM/125/RG223	RF cable, N-Male to BNC-Male, 125 cm, RG223/U
NM-SMAM/125/RG223	RF cable, N-Male to SMA-Male, 125 cm, RG223/U
NM-SMAM/75/RG223	RF cable, N-Male to SMA-Male, 75 cm, RG223/U
SMAM-SMAM/25/RG316	RF cable, SMA-Male to SMA-Male, 25cm, RG316/U
	Remote support

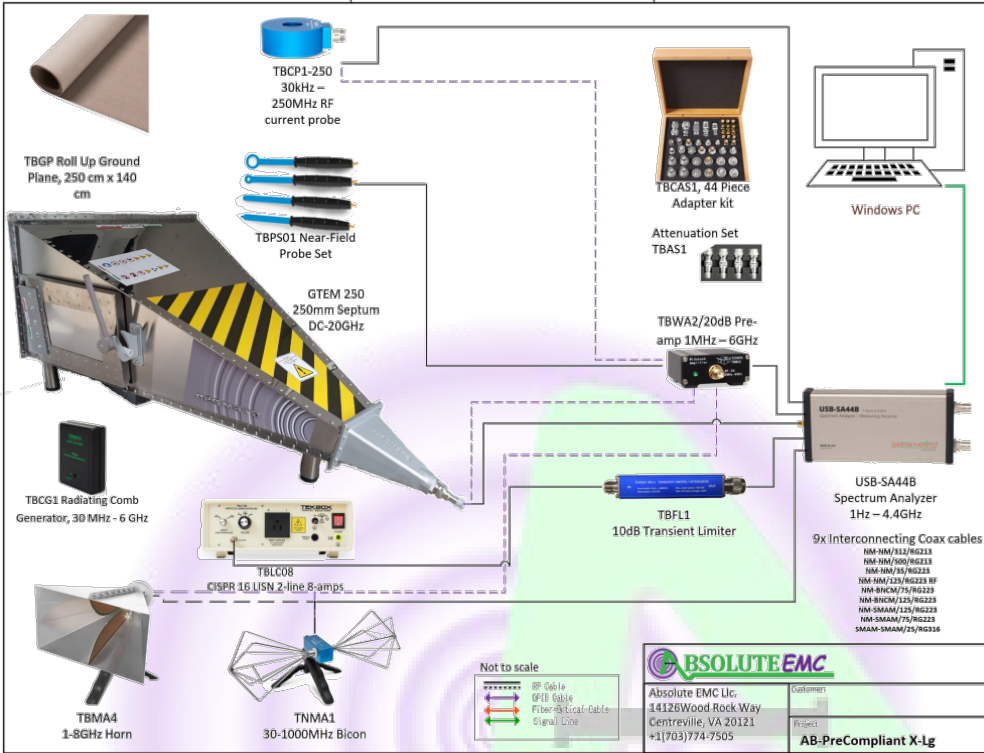
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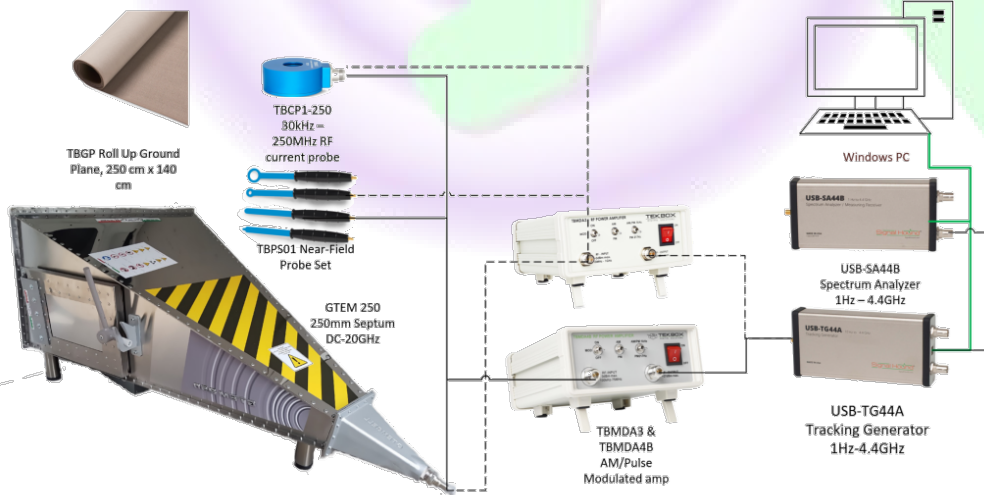
AB-Precompliant-X-Lg Diagram

Emissions



Model	Description
USB-SA44B	Spectrum Analyzer 1 Hz to 4.4 GHz Resolution bandwidths (RBW) of 0.1 Hz to 250 kHz and 5 MHz (SMA)
USB-TG44A	10 Hz to 4.4 GHz tracking generator which works with your USB-SA44(B)
GTEM 250 A-F	GTEM 250 Ferrite, Assembled, 250mm Septum 8cm / 3,15" Flat or 15cm/6" hybrid pyramid + ferrite
TBLC08	50uH Line Impedance Stabilization Network 8 amps LISN CISPR 16, (BNC)
TBFL1	Transient Limiter, (Type-N)
TBGP	Roll Up Ground Plane, 124 cm x 64 cm x 60 cm
TBPS01-TBWA2/20dB	EMC Near-field Probe Set + 20dB Wideband Amplifier, (BNC)
TBCP1-250	25mm Fixed Aperture RF Current Monitoring Probes, up to 250 MHz, (Type-N)
TBMA4	Double Ridge Horn Antenna, 1 GHz – 8 GHz
TBMA1	small, lightweight, wideband biconical measurement antenna, 30 MHz – 1000MHz
TBCG1	Radiating Comb Generator, 30 MHz – 6 GHz
TBMDA3	Modulated Wideband Driver Amplifier, 20W , CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBMDA4B	Modulated Wideband Driver Amplifier, 20W , CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBCAS1	Coaxial Adapter Set, 44 pieces of the most common 50 Ohm coaxial adapters
TBAS1	2W 3GHz N RF Attenuator Set 3dB, 6dB, 10dB, 20dB N connector, 3 GHz, 2W
NM-NM/312/RG213	RF cable, N-Male to N-Male cable, 312 cm, RG213/U
NM-NM/500/RG213	RF cable, N-Male to N-Male cable, 500 cm, RG213/U
NM-NM/35/RG223	RF cable, N-Male to N-Male cable, 35 cm, RG223/U
NM-NM/125/RG223 RF	RF cable, N-Male to N-Male cable, 125 cm, RG223/U
NM-BNCM/75/RG223	RF cable, N-Male to BNC-Male, 75 cm, RG223/U
NM-BNCM/125/RG223	RF cable, N-Male to BNC-Male, 125 cm, RG223/U
NM-SMAM/125/RG223	RF cable, N-Male to SMA-Male, 125 cm, RG223/U
NM-SMAM/75/RG223	RF cable, N-Male to SMA-Male, 75 cm, RG223/U
SMAM-SMAM/25/RG316	RF cable, SMA-Male to SMA-Male, 25cm, RG316/U
	Remote support

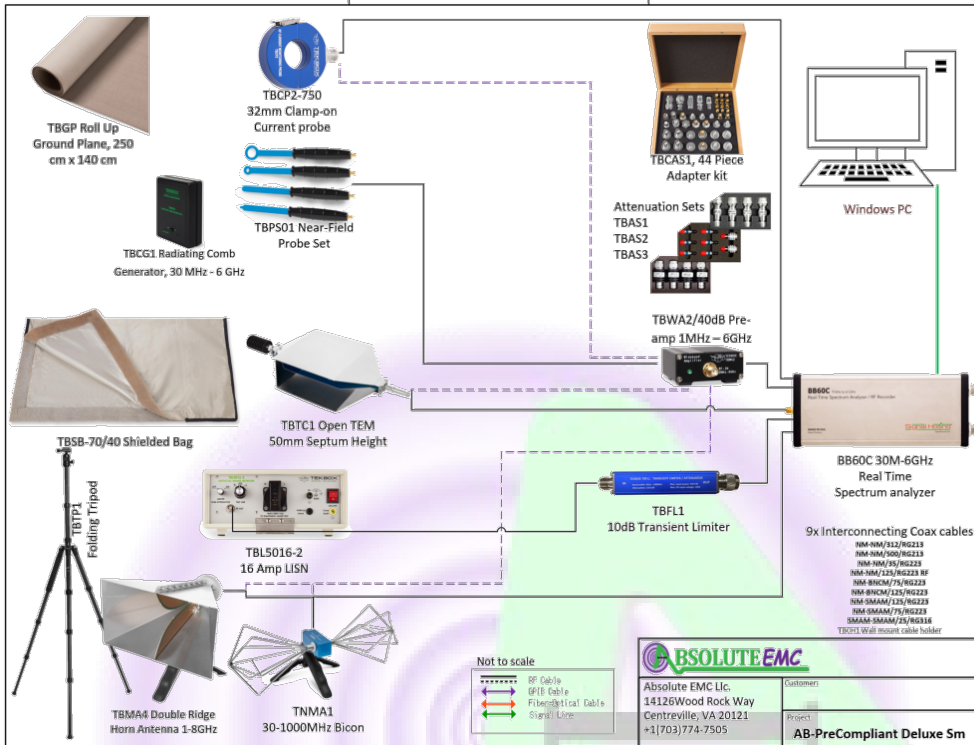
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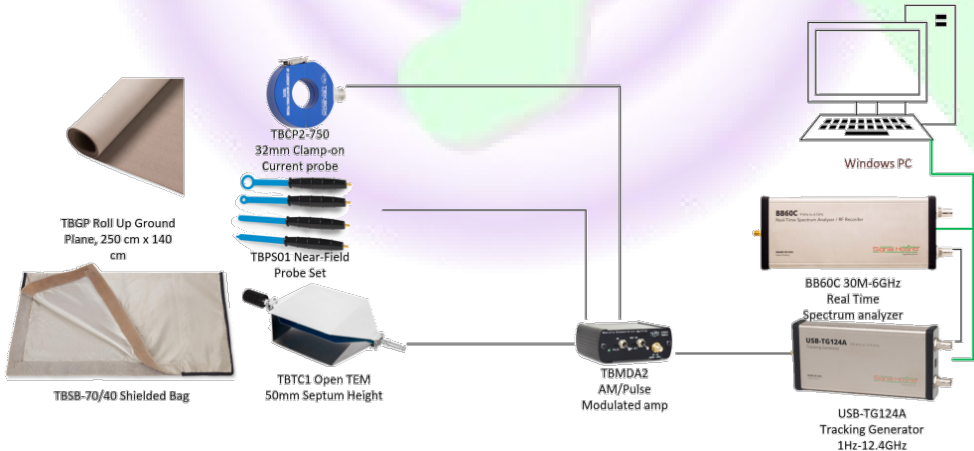
AB-Precompliant Deluxe Sm Diagram

Emissions



Model	Description
BB60C	9 kHz to 6 GHz, Real-time Spectrum Analyzer Up to 24 GHz/sec sweep speed (≥10 kHz RBW), Resolution bandwidths available from 10 Hz to 10 MHz
USB-TG124A	100 kHz to 12.4 GHz Tracking generator works with BB60C Amplitude range: -30 dBm to -12 dBm
TBTC1	Open TEM Cell for EMC Pre-Compliance Testing, 50mm Septum, (Type-N)
TBSB-70/40	Shielded Bags 70 cm x 40 cm
TBL5016-2	50uH 16A Line Impedance Stabilization Network LISN CISPR 16 (BNC)
TBFL1	Transient Limiter, (Type-N)
TBGP	Roll Up Ground Plane, 250 cm x 140 cm
TBPS01-TBWA2/40dB	EMC Near-field Probe Set + 40dB Wideband Amplifier, (BNC)
TBMA4	Double Ridge Horn Antenna, 1 GHz – 8 GHz
TBMA1	small, lightweight, wideband biconical measurement antenna, 30 MHz – 1000MHz
TBTP1	1490mm Tripod
TBCP2-750	32mm Snap On RF Current Monitoring Probes, up to 750 MHz
TBCG1	Radiating Comb Generator, 30 MHz - 6 GHz
TBMDA2	Modulated Wideband Driver Amplifier, >27dBm, CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBCAS1	Coaxial Adapter Set, 44 pieces of the most common 50 Ohm coaxial adapters
TBAS1	2W 3GHz N RF Attenuator Set 3dB, 6dB, 10dB, 20dB
TBAS3	10W 3GHz N RF Attenuator Set 3, 6, 10, & 20 dB
TBAS2	SMA 6GHz Attenuator/Termination Set 3, 6, 10, 15, 20, & 30 dB +2x 1W 50Ohm Terminations
NM-NM/312/RG213	RF cable, N-Male to N-Male cable, 312 cm, RG213/U
NM-NM/500/RG213	RF cable, N-Male to N-Male cable, 500 cm, RG213/U
NM-NM/35/RG223	RF cable, N-Male to N-Male cable, 35 cm, RG223/U
NM-NM/125/RG223 RF	RF cable, N-Male to N-Male cable, 125 cm, RG223/U
NM-BNCM/75/RG223	RF cable, N-Male to BNC-Male, 75 cm, RG223/U
NM-BNCM/125/RG223	RF cable, N-Male to BNC-Male, 125 cm, RG223/U
NM-SMAM/125/RG223	RF cable, N-Male to SMA-Male, 125 cm, RG223/U
NM-SMAM/75/RG223	RF cable, N-Male to SMA-Male, 75 cm, RG223/U
SMAM-SMAM/25/RG316	RF cable, SMA-Male to SMA-Male, 25cm, RG316/U
TBCH1	wall mount cable holder
	Remote support

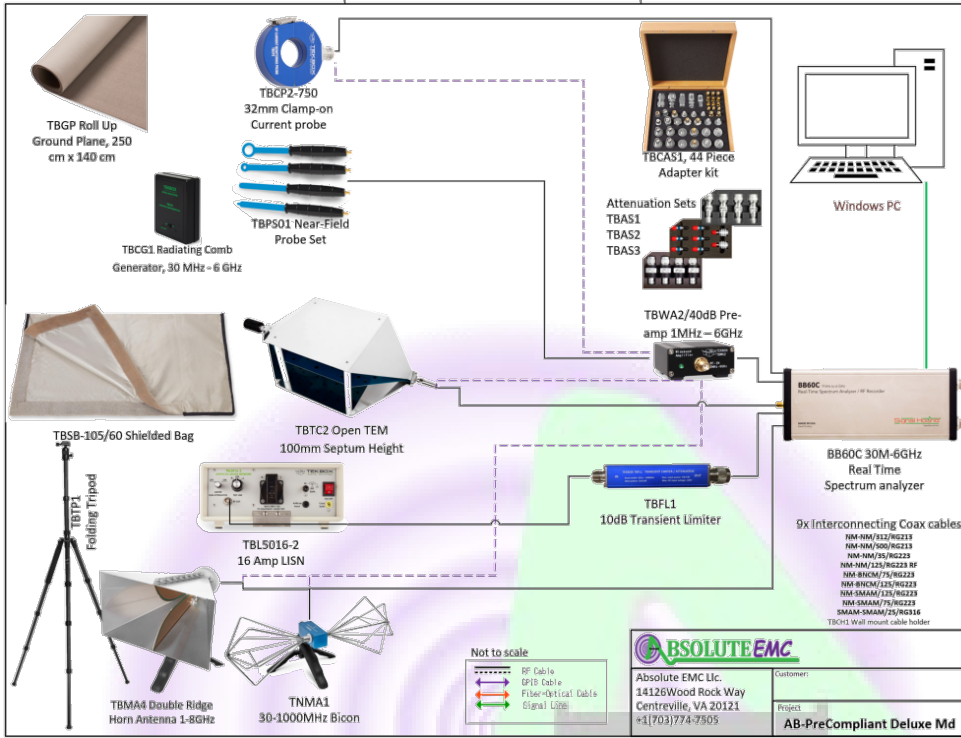
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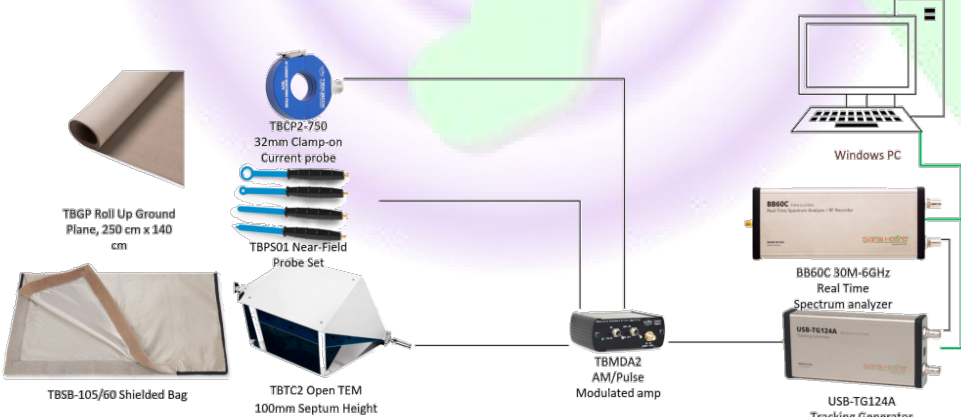
AB-Precompliant Deluxe Md Diagram

Emissions



Model	Description
BB60C	9 kHz to 6 GHz, Real-time Spectrum Analyzer Up to 24 GHz/sec sweep speed (≥10 kHz RBW), Resolution bandwidths available from 10 Hz to 10 MHz
USB-TG124A	100 kHz to 12.4 GHz Tracking generator works with BB60C Amplitude range: -30 dBm to -12 dBm
TBTC2	Open TEM Cell for EMC Pre-Compliance Testing, 100mm Septum, (Type-N)
TBSB-105/60	Shielded Bags 105 cm x 60 cm
TBL5016-2	50uH 16A Line Impedance Stabilization Network LISN CISPR 16 (BNC)
TBFL1	Transient Limiter, (Type-N)
TBGP	Roll Up Ground Plane, 250 cm x 140 cm
TBPS01-TBWA2/40dB	EMC Near-field Probe Set + 40dB Wideband Amplifier, (BNC)
TBMA4	Double Ridge Horn Antenna, 1 GHz – 8 GHz
TBMA1	small, lightweight, wideband biconical measurement antenna, 30 MHz – 1000MHz
TBTP1	1490mm Tripod
TBCP2-750	32mm Snap On RF Current Monitoring Probes, up to 750 MHz
TBCG1	Radiating Comb Generator, 30 MHz - 6 GHz
TBMDA2	Modulated Wideband Driver Amplifier, >27dBm , CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBCAS1	Coaxial Adapter Set, 44 pieces of the most common 50 Ohm coaxial adapters
TBAS1	2W 3GHz N RF Attenuator Set 3dB, 6dB, 10dB, 20dB N connector, 3 GHz, 2W
TBAS3	10W 3GHz N RF Attenuator Set 3, 6, 10, & 20 dB
TBAS2	SMA 6GHz Attenuator/Termination Set 3, 6, 10, 15, 20, & 30 dB +2x 1W 50Ohm Terminations
NM-NM/312/RG213	RF cable, N-Male to N-Male cable, 312 cm, RG213/U
NM-NM/500/RG213	RF cable, N-Male to N-Male cable, 500 cm, RG213/U
NM-NM/35/RG223	RF cable, N-Male to N-Male cable, 35 cm, RG223/U
NM-NM/125/RG223 RF	RF cable, N-Male to N-Male cable, 125 cm, RG223/U
NM-BNCM/75/RG223	RF cable, N-Male to BNC-Male, 75 cm, RG223/U
NM-BNCM/125/RG223	RF cable, N-Male to BNC-Male, 125 cm, RG223/U
NM-SMAM/125/RG223	RF cable, N-Male to SMA-Male, 125 cm, RG223/U
NM-SMAM/75/RG223	RF cable, N-Male to SMA-Male, 75 cm, RG223/U
SMAM-SMAM/25/RG316	RF cable, SMA-Male to SMA-Male, 25cm, RG316/U
TBCH1	wall mount cable holder
	Remote support

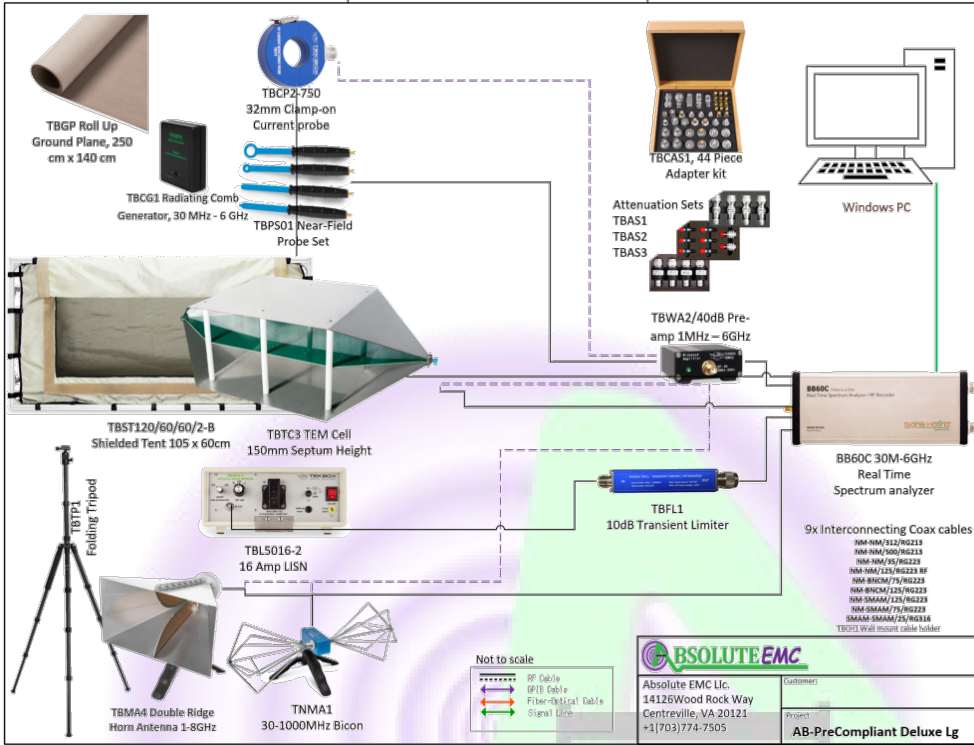
Immunity



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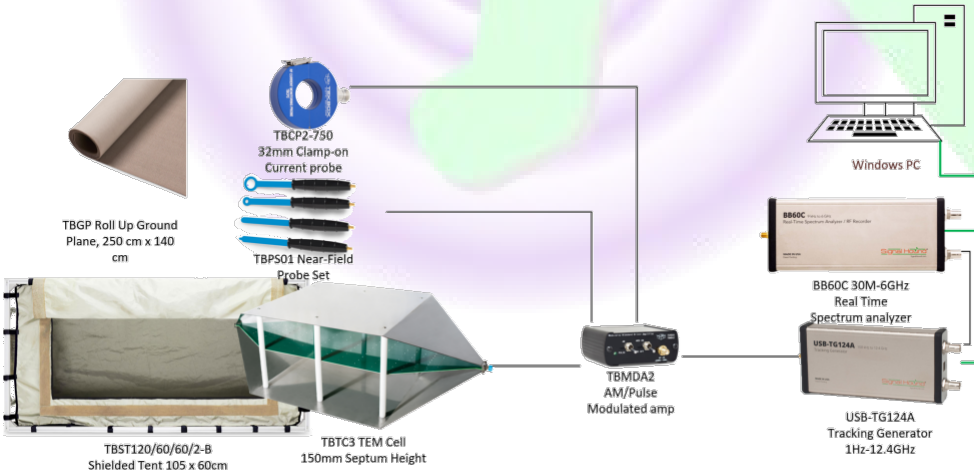
AB-Precompliant Deluxe Lg Diagram

Emissions



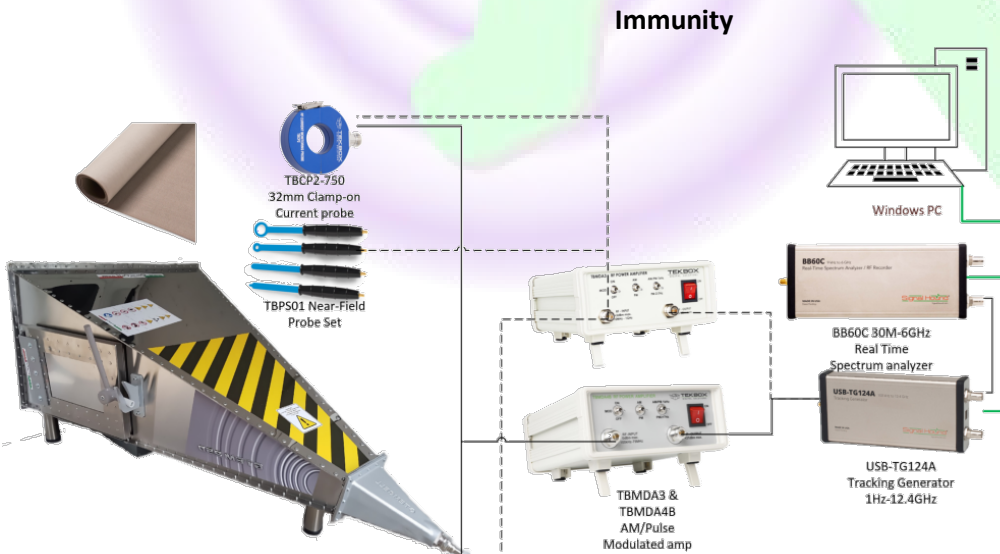
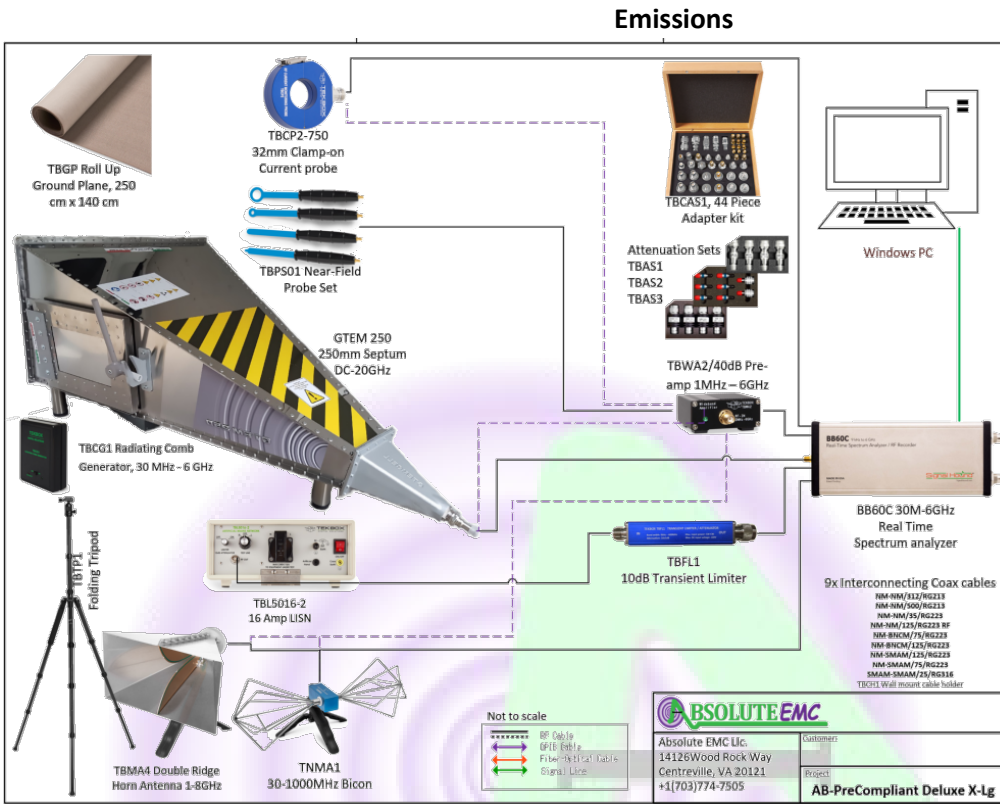
Model	Description
BB60C	9 kHz to 6 GHz, Real-time Spectrum Analyzer Up to 24 GHz/sec sweep speed (≥10 kHz RBW), Resolution bandwidths available from 10 Hz to 10 MHz
USB-TG124A	100 kHz to 12.4 GHz Tracking generator works with BB60C Amplitude range: -30 dBm to -12 dBm
TBTC3	Open TEM Cell for EMC Pre-compliance Testing, 150mm Septum, (Type-N)
TBST120/60/60/2-B	Shielded Tent 105 cm x 60 cm
TBL5016-2	50uH 16A Line Impedance Stabilization Network LISN CISPR 16 (BNC)
TBFL1	Transient Limiter, (Type-N)
TBGP	Roll Up Ground Plane, 124 cm x 64 cm x 60 cm
TBPS01-TBWA2/40dB	EMC Near-field Probe Set + 40dB Wideband Amplifier, (BNC)
TBMA4	Double Ridge Horn Antenna, 1 GHz - 8 GHz
TBMA1	small, lightweight, wideband biconical measurement antenna, 30 MHz - 1000MHz
TBTP1	1490mm Tripod
TBCP2-750	32mm Snap On RF Current Monitoring Probes, up to 750 MHz
TBCG1	Radiating Comb Generator, 30 MHz - 6 GHz
TBMDA2	Modulated Wideband Driver Amplifier, >27dBm, CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBCAS1	Coaxial Adapter Set, 44 pieces of the most common 50 Ohm coaxial adapters
TBAS1	2W 3GHz N RF Attenuator Set 3dB, 6dB, 10dB, 20dB N connector, 3 GHz, 2W
TBAS3	10W 3GHz N RF Attenuator Set 3, 6, 10, & 20 dB
TBAS2	SMA 6GHz Attenuator/Termination Set 3, 6, 10, 15, 20, & 30 dB +2x 1W 50Ohm Terminations
NM-NM/312/RG213	RF cable, N-Male to N-Male cable, 312 cm, RG213/U
NM-NM/500/RG213	RF cable, N-Male to N-Male cable, 500 cm, RG213/U
NM-NM/35/RG223	RF cable, N-Male to N-Male cable, 35 cm, RG223/U
NM-NM/125/RG223 RF	RF cable, N-Male to N-Male cable, 125 cm, RG223/U
NM-BNCM/75/RG223	RF cable, N-Male to BNC-Male, 75 cm, RG223/U
NM-BNCM/125/RG223	RF cable, N-Male to BNC-Male, 125 cm, RG223/U
NM-SMAM/125/RG223	RF cable, N-Male to SMA-Male, 125 cm, RG223/U
NM-SMAM/75/RG223	RF cable, N-Male to SMA-Male, 75 cm, RG223/U
SMAM-SMAM/25/RG316	RF cable, SMA-Male to SMA-Male, 25cm, RG316/U
TBCH1	wall mount cable holder
	Remote support

Immunity



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AB-Precompliant Deluxe X-Lg Diagram



Test kits can be altered or added to. Please call us to discuss your needs.

Model	Description
BB60C	9 kHz to 6 GHz, Real-time Spectrum Analyzer Up to 24 GHz/sec sweep speed (≥10 kHz RBW), Resolution bandwidths available from 10 Hz to 10 MHz
USB-TG124A	100 kHz to 12.4 GHz Tracking generator works with BB60C Amplitude range: -30 dBm to -12 dBm
GTEM 250 A-F	GTEM 250 Ferrite, Assembled, 250mm Septum 8cm / 3,15" Flat or 15cm/6" hybrid pyramid + ferrite
TBL5016-2	50uH 16A Line Impedance Stabilization Network LISN CISPR 16 (BNC)
TBFL1	Transient Limiter, (Type-N)
TBGP	Roll Up Ground Plane, 124 cm x 64 cm x 60 cm
TBPS01-TBWA2/40dB	EMC Near-field Probe Set + 40dB Wideband Amplifier, (BNC)
TBMA4	Double Ridge Horn Antenna, 1 GHz – 8 GHz
TBMA1	small, lightweight, wideband biconical measurement antenna, 30 MHz – 1000MHz
TBTP1	1490mm Tripod
TBCP2-750	32mm Snap On RF Current Monitoring Probes, up to 750 MHz
TBCG1	Radiating Comb Generator, 30 MHz - 6 GHz
TBMDA3	Modulated Wideband Driver Amplifier, 20W , CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBMDA4B	Modulated Wideband Driver Amplifier, 20W , CW, 1kHz 80% AM, 1kHz 50%DC Pulse, 217Hz 12.5%DC pulse
TBCAS1	Coaxial Adapter Set, 44 pieces of the most common 50 Ohm coaxial adapters
TBAS1	2W 3GHz N RF Attenuator Set 3dB, 6dB, 10dB, 20dB N connector, 3 GHz, 2W
TBAS3	10W 3GHz N RF Attenuator Set 3, 6, 10, & 20 dB
TBAS2	SMA 6GHz Attenuator/Termination Set 3, 6, 10, 15, 20, & 30 dB +2x 1W 50Ohm Terminations
NM-NM/312/RG213	RF cable, N-Male to N-Male cable, 312 cm, RG213/U
NM-NM/500/RG213	RF cable, N-Male to N-Male cable, 500 cm, RG213/U
NM-NM/35/RG223	RF cable, N-Male to N-Male cable, 35 cm, RG223/U
NM-NM/125/RG223 RF	RF cable, N-Male to N-Male cable, 125 cm, RG223/U
NM-BNCM/75/RG223	RF cable, N-Male to BNC-Male, 75 cm, RG223/U
NM-BNCM/125/RG223	RF cable, N-Male to BNC-Male, 125 cm, RG223/U
NM-SMAM/125/RG223	RF cable, N-Male to SMA-Male, 125 cm, RG223/U
NM-SMAM/75/RG223	RF cable, N-Male to SMA-Male, 75 cm, RG223/U
SMAM-SMAM/25/RG316	RF cable, SMA-Male to SMA-Male, 25cm, RG316/U
TBCH1	wall mount cable holder
	Remote support

Tips for scanning

- Use TEM/GTEM to take measurements in a low RF ambient environment to get a list of frequencies to investigate from the EUT/DUT.
- For conducted measurements, use the LISN and current probes to take measurements.
- Always be aware of ambient signals and discard their influence on your measurements.
- Take baseline measurements of your found emission frequencies
 - Be sure measurements/setups are repeatable and well documented
- Antennas are used to come closer to compliant setups while only focusing on the set emission frequencies. If close or at the same frequencies as ambient levels, use alternative methods.
- Once the known troublesome test frequencies are documented, investigate further
 - with near field probes
 - with current probes
 - use shielding to verify (tin foil is a great tool)
- once you find and make simple modifications confirm any changes in your baseline setup
 - small changes (few dB) may not prove the change did anything
 - big changes of many dB you would be more convincing
 - Learn and know your setup, experience with your setup is king