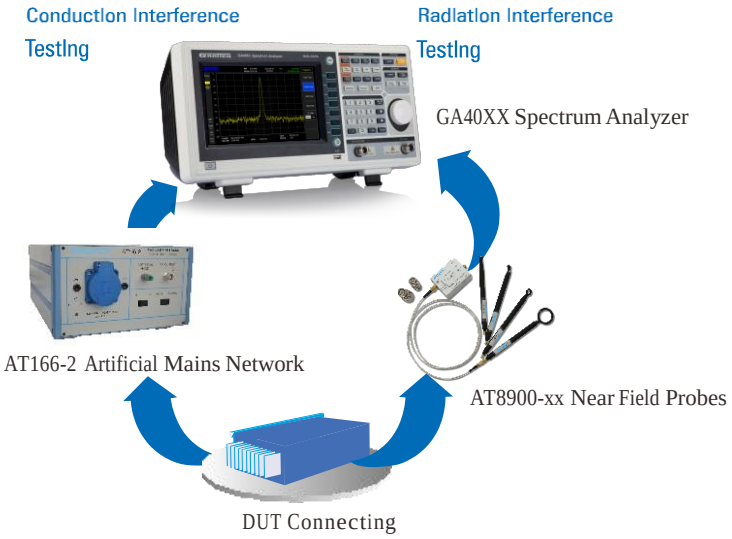
EMI interference locator
EMI Testers



EMI testing always is a difficult for the engineers, for it costs a number of energy and time to pass EMI testing and get EMI certification. Besides the cost of time, testing fees are usually a heavy burden to company's budget. The cause of the problem of EMI is that most companies do not equip with a good EMI testing tools and foreign EMI Testers are very expensive. Considering the high cost of EMI testing kits available nowadays, Gratten's EMI testing system really brings quite good news to those engineers with cost effective and high performance and excellent ability of EMI testing tools. It's very easy to setup an EMI test platform and find the standard frequency point by comparison with prototype, as long as you have a set of standard prototype and a set of spectrum analyzer (receiver set). Near-field probes can also be use jointly to locate the interference sources and solve problems, which will greatly improve product design capacity and reduce the test cost of EMI. Gratten EMI Tester kit can be widely applied in areas like switching power source, electric lighting, automobile, electric tools and other sources of interference EMI field and positioning test.

EMI Line Conducted Interference Tester

AT166-2 TWO-LINE V-NETWORK

AT166-2 Two-Line V-Network is a useful tool in EMI testing. It could provide with stable resistance between the testing circuit and reference GND within RF range. At the same time, it isolates undesired signal from power grid and measuring circuit, coupling disturbance voltage from the tested equipment to the input of receiver. Performances of this product meet with the CISPR16-1-2:2006 standards.

- It has built-in transient limiting device with fixed 50ohm attenuation, can protect receiver or other equipments.
- Standard BNC output interface and 50 ohm output impedance, makes it compatible with any receivers, spectrum analyzers or other T&M equipments.
- This product is also designed to have the function from portable test-scope
- With 9KHz and 150KHz high-pass filter selection function, you can choose different filters according to testing.

AT166-2 can be applied to measure single phase conduction (interference voltage). Due to the existence of the design principle, it has comparatively large current. It is important to have good grounding. If necessary, AT166-2 can work with isolation transformer to extend the capacity to1KVA to meet the demand of most of the testing.

AT166-2 Technical Specification	
	9KHz-30MHz
	(50uH+5Ω) | | 50Ω V type
	Single
	0～240V AC ±10%
	50～60Hz ±5%
	0～50V DC
	10A
	150KHz
	10dB
	124dBuV
	BNC(female) 50Ω
	Standard
	German power socket
	5℃ ～45℃
	- 40℃ ～70℃
	EN61010
	EN61326
	338*237*133mm
	4.2 kg
	2m

EMI interference locator

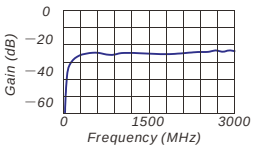
AT2000 series expander + AT8900-xx Series near-field probe

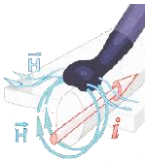
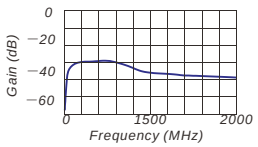
This probe package is designed for electro-magnetic field testing and interference location. Multiple shapes and wide frequency range can rapidly fulfill many testing tasks. If you want to enhance the sensitivity of the system, use our AT2000 series expander (gain 20dB). The package is widely applied in mechanical shielding performance of casing, cable and PCB. High precision and accuracy of it allows you to pin-point and find the defective IC pins and also for detection of faulty cable.

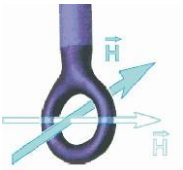
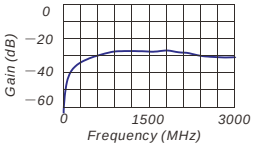
Specifications

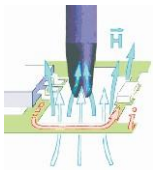
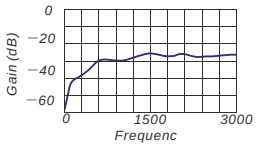
Spec.	AT2000B expander
Frequency range	100KHz-2GHz
Gain	about 20 dBm
Max linear output power	9 dBm
Noise system	5.3 dB
Max input power	10 dBm
Operation voltage	DC9-12V(standard DC12V adapter)

AT8900

Model	Description
 AT8900 - 1	Able to detect magnetic field within 10 cm. Mainly applied in casing leakage test. frequency range : 30MHz to 3 GHz resolution : about 25mm 

Model	Description
 AT8900 - 3	Mainly applied in cable leakage test. frequency range : 30MHz to 2 Ghz resolution : about 5mm 

Model	Description
 AT8900 - 2	Able to detect magnetic field within 3 cm. frequency range : 30MHz to 3 Ghz resolution : about 10mm 

Model	Description
 AT8900 - 4	Able to detect vertical magnetic field. Mainly applied in magnetic field test in PCB cabling. frequency range : 30MHz to 3 Ghz resolution : about 2mm 

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