

The combination of GSP-9330 Spectrum Analyzer with GKT-008 EMI Probe Set can meet customers' EMC pretest requirements on the product development and verification stages. Users can detect and resolve problems at the early product development stage that save time and money for product development and verification fee. As a result, users can expedite the process of the product's launch.

Test Image



Push EMC Pretest key.



Select Menu



GSP-9330 can be used for various probes and LISN measurements.

EMC	Mes. Frequency range	Stadard	Imt.	Frequency scale	Type
BandD 300M-1GHz	BandA 9k-150kHz	1G-3GHz	None	Scale Type Log	EMI pretest: Measurement of radiation and conduction noise
Amis Noise Paper High	BandB 150k-300MHz	User Define	EN55022A	GLN-5040A RUS Comp. Off	In addition to GKT-008, it can be used for various probes and LISN.
Correction None Off	BandA-HI 9kHz-300MHz	None	EN55022B		
Recallment None Off	BandC 30M-300MHz	FCC A	FCC B		
Peak Table On	BandD 300M-1GHz	EN55015	User Define		
More 1/2	BandCH0 30M-1GHz	More 1/2	Return		
Return	More 1/2	Return	Return		

Menu for ANT-04/05

EMC	Mes. Frequency range	Stadard	Imt.	Frequency scale	Type
BandD 30M-300MHz	30M-300MHz	None	None		Radiated noise measurement: 30 MHz to 3 GHz
Correction None Off	300M-1GHz	3m	EN55022A		
Recallment None Off	30M-1GHz	10m	EN55022B		
Peak Table On	User Define	Other factor	FCC A		
Return	Return	Return	FCC B		
			User Define		
			Return		

Menu for PR-01

PR-01 is an AC voltage probe: 150 MHz to 30 MHz
PR-01 can maximally sustain CAT II, 300VAC

The frequency axis can be selected Log / Lin scale display

⚠ GPL-5010 is absolutely necessary

When you measure AC voltage by using PR-01, you should collocate with GPL-5010 transient limiter to avoid damaging spectrum analyzer and the RF input terminal of GSP-9330 or DUT receiver.

Optional: Transient limiter **GPL-5010**

SMA-BNC アダプタ

Menu for PR-02

Radiated noise measurement: 30 MHz to 3 GHz
Radiation noise countermeasure and effect check at pinpoint

Measure radiated band noise by directly contacting board pattern, radiator, ground plane, connector, I/O terminal etc.

PCB Trace, I/O cable PIN

Optional: DC block **ADB-008**

EMS menu for ANT-04

Frequency range: 100 kHz to 3.25 GHz

For the EMS※ function, it is possible to test the immunity (susceptibility) of the DUT using the field sensor ANT-04. Signal strength and frequency sweep range can be set.

⚠ To use this function, a tracking generator is required.

⚠ The tracking generator output signal is continuous wave. Signals can not be modulated.

GSP-9330+ Tracking Generator

System example

Test Categories	Test Packages
Radiation EMI testing package	- Spectrum Analyzer: GSP-9330 - EMI Near Field Probe Set: GKT-008 - DC Block: ADB-008
Conduction and radiation EMI testing package	- Spectrum Analyzer: GSP-9330 - EMI Near Field Probe Set: GKT-008 - DC Block: ADB-008 - Two-Line V-Network(LISN): GLN-5040A - Transient Limiter: GPL-5010 - Isolated Transformer: GIT-5060
Conduction EMI testing package	- Spectrum Analyzer: GSP-9330 - Two-Line V-Network(LISN): GLN-5040A - Transient Limiter: GPL-5010 - Isolated Transformer: GIT-5060

Spectrum Analyzer:
GSP-9330



EMI Near Field Probe Set:
GKT-008



Transient Limiter:
GPL-5010



DC Block:
ADB-008



Two-Line V-Network(LISN):
GLN-5040A



Isolated Transformer:
GIT-5060



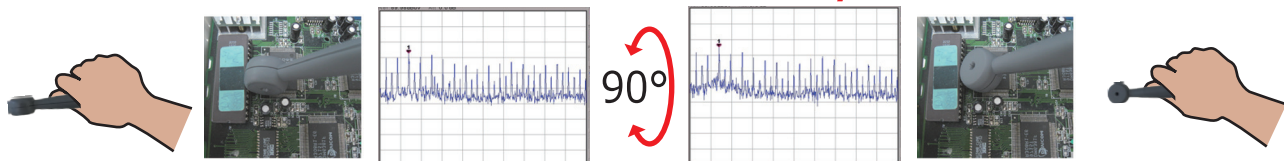
Feature

It is effective for improving noise search efficiency at the early stages of development and shortening the time for confirming the effect of measures to improve.

- Near field sensor ANT-04/05 can efficiently search for actual radiation source with small size and high sensitivity.
- It is not necessary to measure the electric / magnetic field with separate probes like a general near field probe, and it directly detects the energy of EM (electromagnetic wave) wave.
- ANT-04/05 does not need to take into consideration the measurement angle (orientation) problem like a general magnetic field probe.

ANT-04 ANT-05

Ultra-Low Directionality



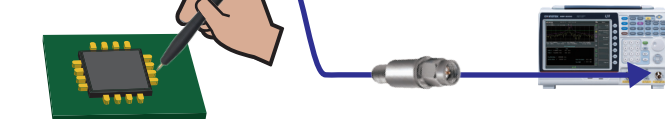
Ideal for confirming effects before and after countermeasures at pinpoint

- The source contact probe PR-02 directly contacts to measure radiation noise such as PCB pattern, IC pin, I / O terminal, ground pattern.

Check with pinpoint



PR-02 Optional accessory:
DC block ADB-008



PR-02 is an EMI electric field probe, which can maximally sustain CAT I 50V DC. PR-02 electric field probe will collocate with ADB-008 DC block to avoid damaging spectrum analyzer and the RF input terminal of DUT receiver

The AC Voltage Probe PR-01 is used to perform conducted emissions pretesting of a DUT.

- The AC voltage probe PR - 01 is used for terminal voltage noise measurement (150 kHz to 30 MHz) of the power supply terminal.

Simple check of power supply noise

