

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	Standard Int.	Frequency scale Type
BandB 30MHz-300MHz	BandA 9kHz-150kHz	None	Scale Type Lin
Correction None	BandB 150k-300MHz	EN55022A	On
RecallList None	BandA1B 9kHz-300MHz	EN55022B	Off
Peak Table On	BandC 30M-300MHz	FCC A	Off
More 1/2	BandD 300M-3GHz	FCC B	Off
Return	BandE 30M-1GHz	EN55010	Off
	More 1/2	User Define	Return

EMI pretest: Measurement of radiation and conduction noise

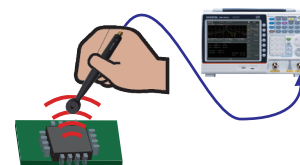
In addition to GKT - 008, it can be used for various probes and LISN.



Menu for ANT-04/05

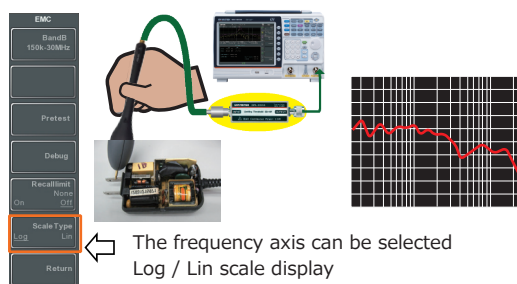
EMC	EMC	EMC	EMC
BandB 30M-300MHz	30M-300MHz	3m	None
Correction None	300M-1GHz	10m	EN55022A
RecallList None	30M-1GHz	Other factor	EN55022B
Peak Table On	User Define	Return	FCC A
Return	Return	Return	FCC B
			User Define
			Return

Radiated noise measurement: 30 MHz to 3 GHz



Menu for PR-01

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



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

EMC	EMC
BandB 30M-300MHz	Correction None
PCBTracePin	RecallList None
I/O CablePin	Peak Table On
Return	Return



Optional:
DC block
ADB-008



EMS menu for ANT-04

Frequency range: 100 kHz to 3.25 GHz

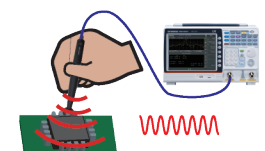
For the EMS※ function, it is possible to test the immunity (susceptibility) of the DUT using the field sensor ANT-04. Signal strength and frequency sweep range can be set.



※ 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.

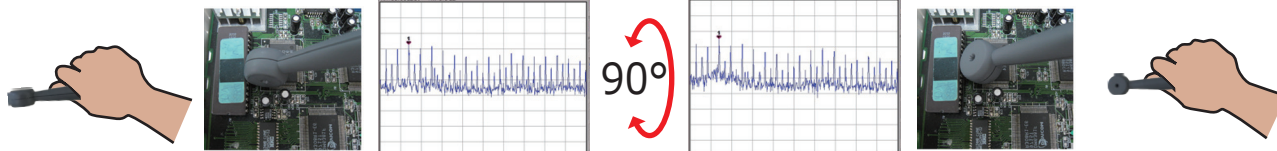
ANT-04



ANT-05



Ultra-Low Directionality



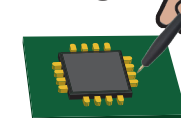
- ✓ Ideal for confirming effects before and after countermeasures at pinpoint

- 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 ADP-008



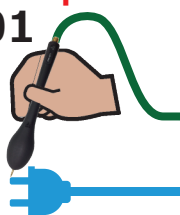
PR-02 is an EMI electric field probe, which can maximally sustain CAT I 50V DC. PR-02 electric field probe will collocate with ADB-008 DC block to avoid damaging spectrum analyzer and the RF input terminal of DUT receiver

- ✓ 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

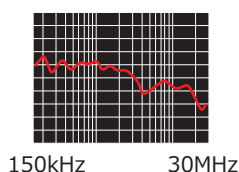
PR-01



Optional accessories:
Transient limiter GPL-5010 *



Be sure to use the transient limiter GPL-5010 and SMA-BNC conversion adapter when conducting noise measurement with PR-01.



SMA-BNC adaptor

RF IN

Optional accessories:
Transient limiter GPL-5010 *



BNC female

N male