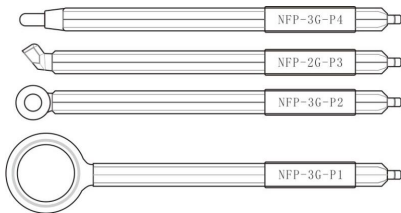


# UTS-EMIO1 Near Field Probes Kit

## Product Overview

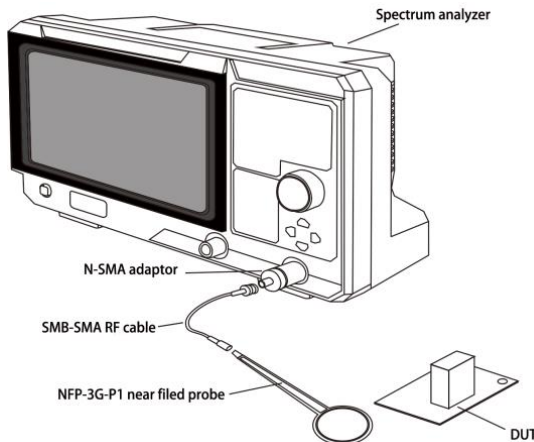
Near Field Probes are used in conjunction with the UNI-T spectrum analyzer for EMI testing of electronic products. It can be used to check the magnetic field strength on the surface of components, magnetic field coupling channels and the magnetic field environment near electronic modules to quickly locate the source of interference.

This kit contains four near-field probes NFP-3G-P1, NFP-3G-P2, NFP-2G-P3 and NFP-3G-P4.



## Measurement Connection

Porbe in conjunction with spectrum analyzer as shown in the folwing figure.



- Porbe in conjunction with a spectrum analyzer  
Use SMA-SMB RF cable to respectively connect to SMB male conntector of probe and SMA femal connector of N-SMA adaptor, and then connect N male conntector of N-SMA adaptor to RF input port of spectrum analyzer.
- Porbe in conjunction with a device  
Probe and DUT close distance but non-contact measurement. Please notice the placement direction of the near-field probes when measuring.

## Typical Application


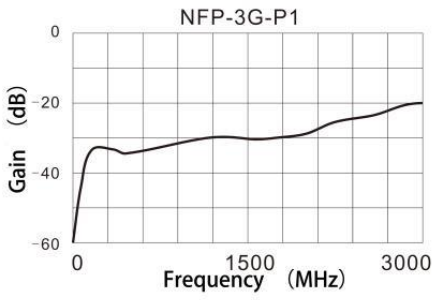

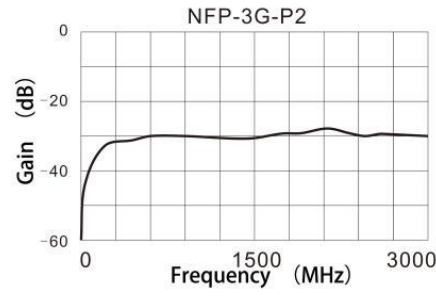
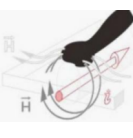
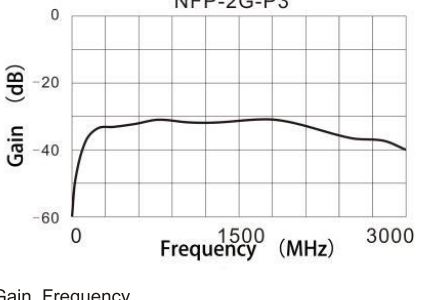
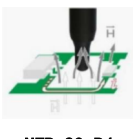
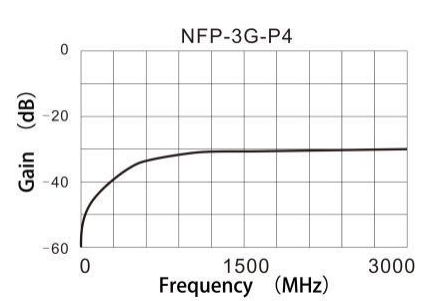
- Locating EMI.
- Detecting the strength of the magnetic fields.

## Performance Index

Frequency	
Frequency range	30MHz-3GHz

Port Type	
Port	SMB male connector
Adaptor	SMA female connector convert to N male connector
RF cable	SMA- SMB, 1 meter
Impedance of port and adaptor	50 $\Omega$

General Technical Specification	
Size	230*180*45mm
Weight	<1kG
Working temperature	0°C~50°C
Storage temperature	-20°C~70°C

Model	Description
 NFP-3G-P1	<p>NFP-3G-P1 can detect the magnetic field within 10cm. It is mainly used for case leakage test. The resolution is about 25mm.</p>  <p>Gain (dB)</p> <p>Frequency (MHz)</p> <p>Gain Frequency</p>
 NFP-3G-P2	<p>NFP-3G-P2 can detect the magnetic field within 3cm. It is mainly used for case leakage test. The resolution is about 10mm.</p>  <p>Gain (dB)</p> <p>Frequency (MHz)</p> <p>Gain Frequency</p>
 NFP-2G-P3	<p>NFP-2G-P3 is mainly used for cable electromagnetism leakage test. Resolution: 5mm. Frequency range: 30MHz-2GHz.</p>  <p>Gain (dB)</p> <p>Frequency (MHz)</p> <p>Gain Frequency</p>
 NFP-3G-P4	<p>NFP-3G-P4 can detect the magnetic field launched in vertical direction. It is mainly used to test the electromagnetic field generated by PCB wiring . The resolution is about 2mm.</p>  <p>Gain (dB)</p> <p>Frequency (MHz)</p> <p>Gain Frequency</p>

彩盒 菲林做货要求

序号	项目	内容		备注
1	尺寸	展开：210*285mm                  折后：105*95mm		
2	材质	60g书纸		
3	颜色	单色		
4	外观要求	完整清晰、版面整洁，无斑墨、残损、毛边、刀线错位等缺陷。		
5	装订方式			
6	表面处理			
7	其它	无		
版本		REV. 0		
DWH 设 计	宣浩	MODEL 机型：    UTS-EMI01	Part NO. 物料编号：110401111327X	
CHK 审核		<div><div>UNI-T®</div><div>优利德科技(中国)股份有限公司 UNI-TREND TECHNOLOGY (CHINA) CO., LTD.</div></div>		
APPRO. 批准				