

Features:

- * Pre- Compliance testing
- * Effectiveness of a shielding material
- * Location source of emissions of pcb tracks
- * Effectiveness of a Ferrite as a HF suppressor
- * Measuring induction into conductors
- * Tracking currents on a conducting plane
- * Estimating cross talk on PCB

1. Near Field Magnetic probe M1



Type: Loop
 Sensor: Magnetic Field
 Rejection E/H: 40dB
 Frequency: 800MHz upper resonant
 Sensitivity: High
 Diameter: 6cm

2. Near Field Magnetic probe M2



Type: Loop
 Sensor: Magnetic Field
 Rejection E/H: 30dB
 Frequency: 1.5GHz upper resonant
 Sensitivity: High
 Diameter: 3cm

3. Near Field Magnetic probe M3



Type: Loop
 Sensor: Magnetic Field
 Rejection E/H: 10dB
 Frequency: 2.5GHz upper resonant
 Sensitivity: Low
 Diameter: 1cm

4. Near Field Electric probe E1



Type: Omni Directinoal
 Sensor: Electric Field
 Rejection H/E: 30dB
 Frequency: 1GHz upper resonant
 Sensitivity: High
 Diameter: 3.6cm

5. Near Field Electric probe E2



Type: Narrow Directinoal
 Sensor: Electric Field
 Rejection H/E: 30dB
 Frequency: 3GHz upper resonant
 Sensitivity: Low
 Size: 0.6cm

6. Low Noise Preamplifier



Frequency Range: 9KHz-4GHz
 Noise figure: 3dB
 Gain: 40dB
 Compression 1dB: 10dBm

7. Emissions Reference Source1



Frequency: 10-4000 MHz
 Harmonic Spacing: 10 MHz /50 MHz
 Frequency Stability: 100ppm
 Impedance: 50 Ohms
 RF level at 3m: 40 - 80 dBuV/m
 Radiant Field polarisation: Vertical and Horizontal

8. Emissions Reference Source2



Frequency: DC-4000 MHz
 Harmonic Spacing: 0 (Noise)
 Impedance: 50 Ohms
 RF level at 3m: 30 - 50 dBuV/m
 Radiant Field polarisation: Vertical and Horizontal

9. EMC Analyser



Frequency: 0.15-1000MHz
 Resolution: 100KHz 4 digit LED display
 Range: -100dBm - +13dBm
 Noise Figure: 4dB
 Input Impedance: 50 Ohms (SMA)
 Tracking Generator: 0.15-1000MHz
 Output Level: +1to-50dBm

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10. Ferrite Suppressors



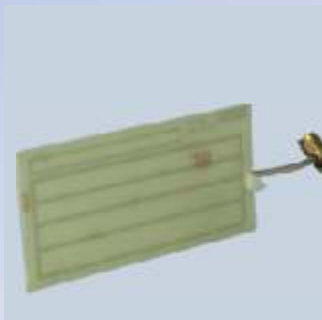
Ferrite suppressor, Feed-through Capacitors
EM Suppression : 40dB

11. LF/HF Electromagnetic Detector



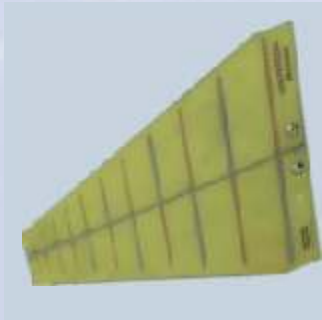
Measuring range: -60dBm to -5dBm
Resolution: 0.1dB
Frequency Range: 9KHz-4GHz
Accuracy: 3dB
Input: SMA
Impedance: 50 Ohms
Input SWR : <2
Output: 500mV/10dB

12. EM Demo Kit



SMPS, EM demo board, Ferrite Suppressors, Shielded Cans

13. Log Periodic Antenna



S11: >10dB
Bandwidth: 1500 ± 500 MHz
Gain: 6dBi
Beamwidth : E plane 60°
Beamwidth : H Plane 80°
Polarisation : Linear
Front to Back Ratio: 6dB
Connector : SMA

14. Antenna



S11: >10dB
Bandwidth: 600 ± 300 MHz
Gain: 2dBi
Beamwidth : E plane 60°
Beamwidth : H Plane 180°
Polarisation : Linear
Front to Back Ratio: 0dB
Connector : SMA

15. Antenna Magnetic Loop



Frequency: 9KHz-30MHz
Diameter : 300mm
Connector : SMA
Inductance: 1uH
Turns: Multi

16. Helmholtz Coil



Type: Mono-axial
Resistance: 0.5 Ohms DC
Inductance: 3.5mH
Amperes/m/Ampere: 84.3
Coil Factor : 1Gauss/A
Homogeneity: +10% within a 15cm cylinder
Self resonance: 32 KHz
Maximum Current: 20A
Maximum Field: 21.2Gauss
Mating Connector: Terminal Size Diameter: 305mm

17. LISN- Line Impedance Stabilization Network



Frequency: 9kHz - 30 MHz (VDE 0876 specified curve +/-20%) FCC-15 VDE 0871 VDE 0876 EN55022
Network: 50uH / 250 uH
Network impedance: 50ohm
Current rating: 1 amps
Max. AC: 250 VAC 50 Hz
Outlet: British BS546
Input connector: IEC-320 type 3-wire inlet.
Safe: Transient Suppressor

18. TEM Field Generator



Type: Tri-plate Stripline
Frequency : 10KHz-1GHz
S12 : <3dB
E-field : 90V/m at 10W
Impedance : 50 Ohms
Connector: Type N Female
Dimensions length: 600mm approx
Width: 300mm approx
Height: 300mm approx

19. Accessories



Shielded Cans, EMI EMC design software, SMA-SMA RG316 cables, 40dB attenuator, SMA Adapters, HV Electric transient generator-4000V, Plasma generator
E Manual- Installation Video ease of learning

Dimensions: 55 X 45 x 108cms; Weight: 55Kg.

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