Probe PI-SH for RF Safety Testing

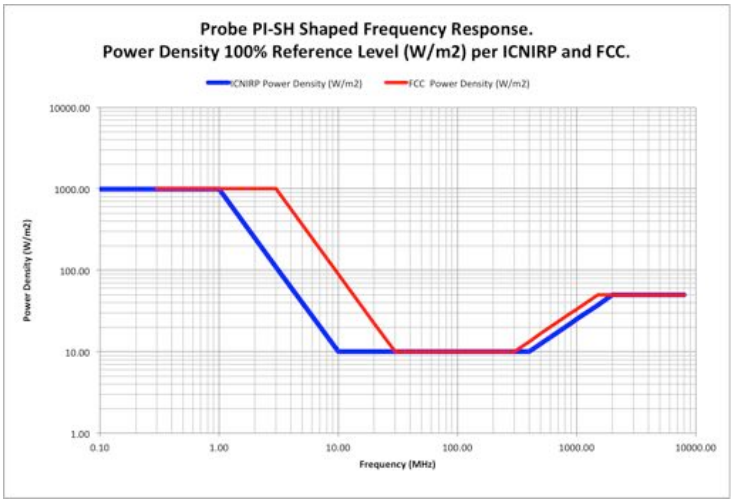
Isotropic Electric Field Probe with Shaped Frequency Response per ICNIRP and FCC
PI-SH-ICNIRP and PI-SH-FCC

PI-SH (ICNIRP or FCC) is an isotropic electric field probe with shaped frequency response meeting the ICNIRP or FCC RF safety standards for occupational and general public exposure limits (see the specified frequency ranges below). Meter readings are shown in **%** of the STD - standard reference level, eliminating the need to know the source frequency. Probe output is proportional to RF power density in the whole specified power range, producing the correct RF power measurements in single and multi-signal environments, typically present at multiple antenna sites.

Main System Parameters

- Probe variants: **PI-SH-ICNIRP and PI-SH-FCC**
- Frequency range: 100KHz-8 GHz (Occupational exposure)
  10 MHz-8 GHz (General public: ICNIRP)
  3 MHz-8 GHz (General population: FCC)
- Diode based: 3-Axial isotropic sensor, composite output.
- Power density range: 0.5-1000% of STD.
- Probe power nonlinearity: Less than 3 dB (0.5-1000%).
- Readout power nonlinearity: Less than 1 dB (0.5-1000%).
- Rotational isotropicity: +/-1dB (0.1 MHz-1GHz), +/-3dB(1-8GHz)
- Probe frequency response: Per STD, deviation - less than 3 dB (documented).
- Calibration accuracy: 1 dB (@100 MHz).
- Temperature: 0-50°C,
- Humidity: RH 10-90%, non-condensing.
- Temperature error: <0.05 dB/°C
- Calibration: UK NPL (UK National Physics Lab) traceable.
- Small size: LxD: 9.0x2.25 inch, 230x58 mm.
- Weight: 0.2 lb, 100 g.
- Supporting equipment: RFP-05M meter.
- Country of origin: Designed and made in the **USA**.

EMC Test Design, LLC ™
Rev. 2



LBATECHNOLOGY®
3400 Tupper Dr. | Greenville, NC 27834 | 252-757-0279 | www.lbagroup.com

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Contact Us at:
lbagrp@lbagroup.com