

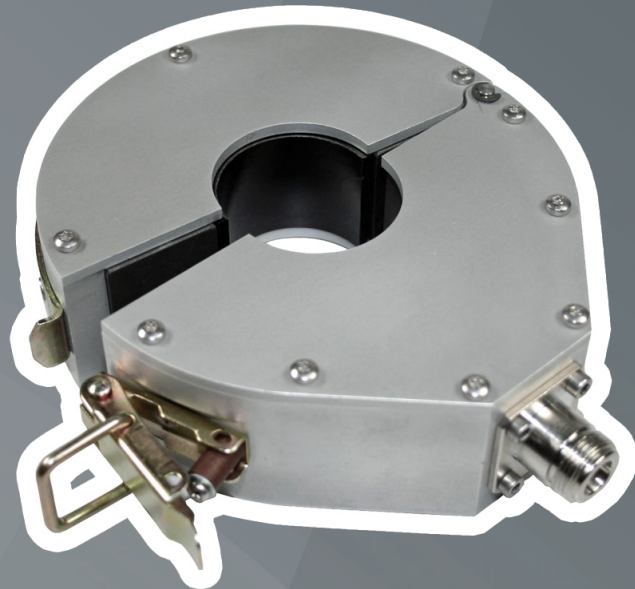


FRANKONIA
EMC Test-Systems GmbH

BCI CLAMP

Bulk Current Injection Probe

DATA SHEET





Features:


- ✓ Meets specifications of ISO 11452-4:2005 and IEC 61000-4-6
- ✓ Frequency range from 1 MHz up to 400 MHz
- ✓ Designed for automotive BCI testing
- ✓ Low insertion loss

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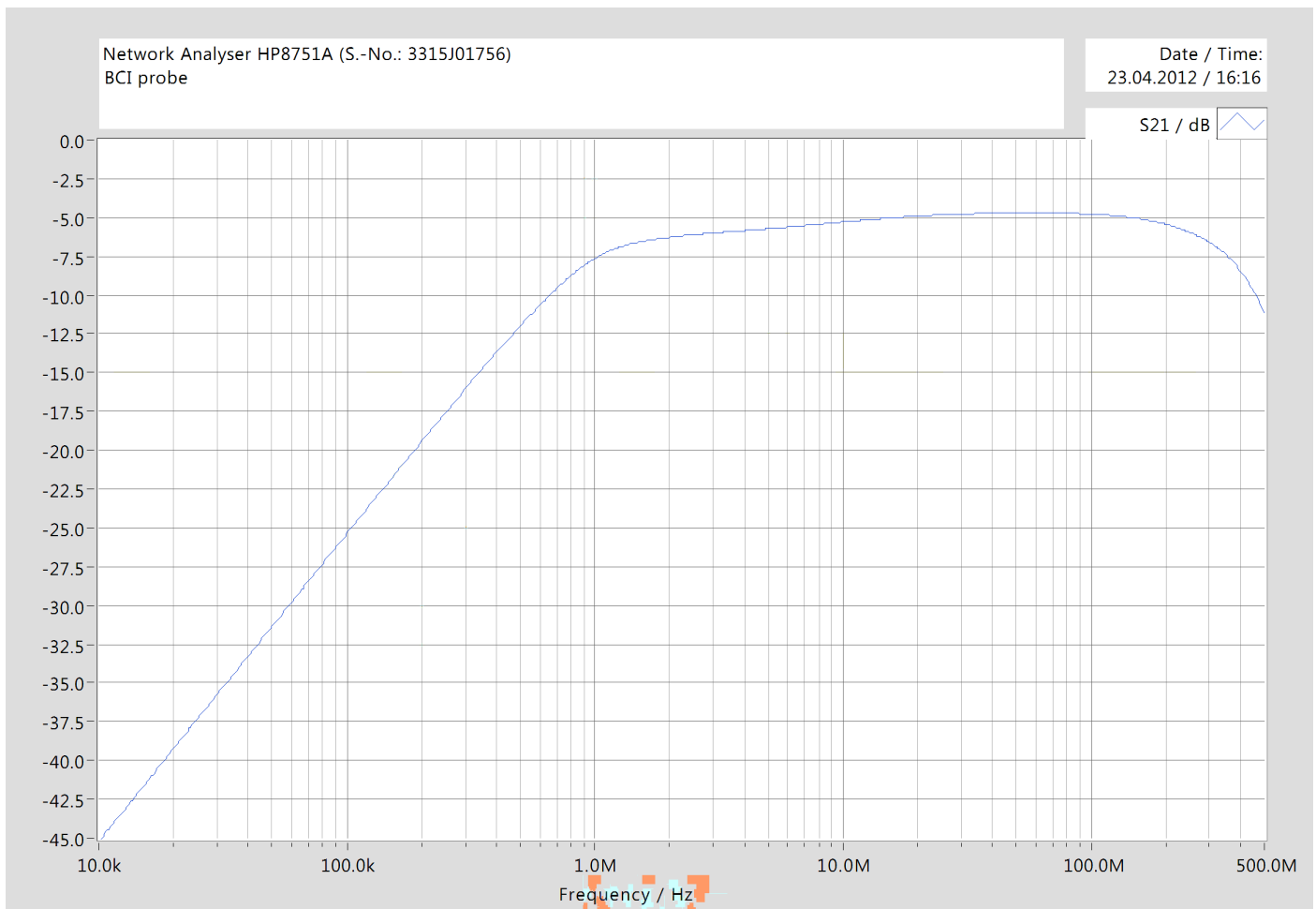


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DESCRIPTION

The Bulk Current Injection Probe is used to inject RF-current into cables of electrical equipment to test the susceptibility against radiated electromagnetic energy. It was designed to meet the specifications of ISO 11452-5:2005 and IEC 61000-4-6 standards for automotive BCI testing with secondary currents of 300 mA and more. The probe can be easily clamped around test conductors and supports cable harness diameters up to 40 mm diameter.

INSERTION LOSS





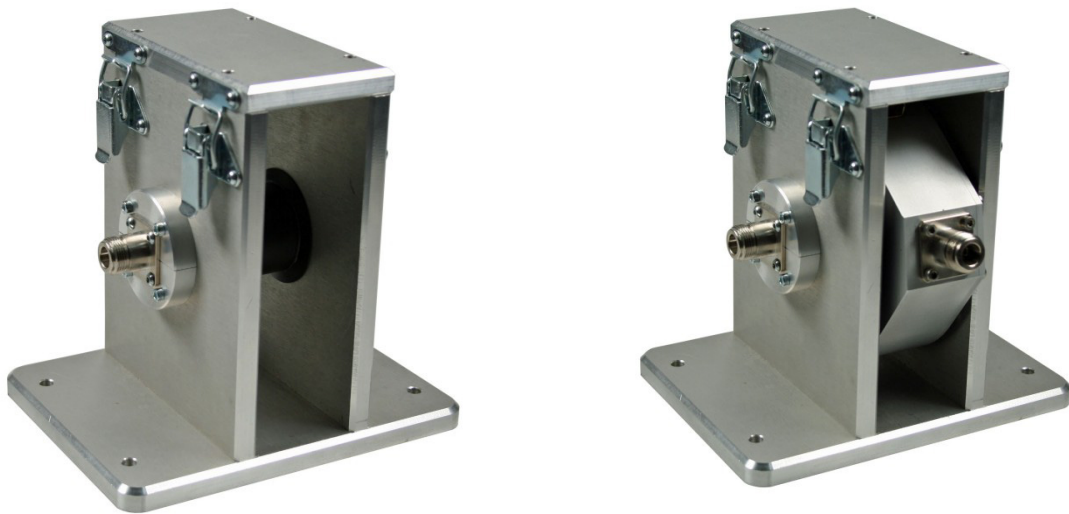
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TECHNICAL SPECIFICATIONS


Frequency range	1 MHz – 400 MHz
Input Connector	Type N Female
Inner Diameter	120 mm
Outer Diameter	40 mm
Width	40 mm
Max. core temperature	90 °C
Turns Ratio	1:1
Primary inductance	5.1 μ H @ 100 kHz
Ambient temperature	0 to 40 °C
Fastening	1 Clip
Input Power rating until core temperature is 90 °C	90 min @ 70 W (48.45 dBm) 45 min @ 100 W (50 dBm)


CALIBRATION JIG FOR BCI PROBE 1 MHz – 400 MHz


The calibration jig is used for insertion loss measurement of Bulk Current Injection Probes. It meets ISO 11452-4:2005 and IEC 61000-4-6 standards.



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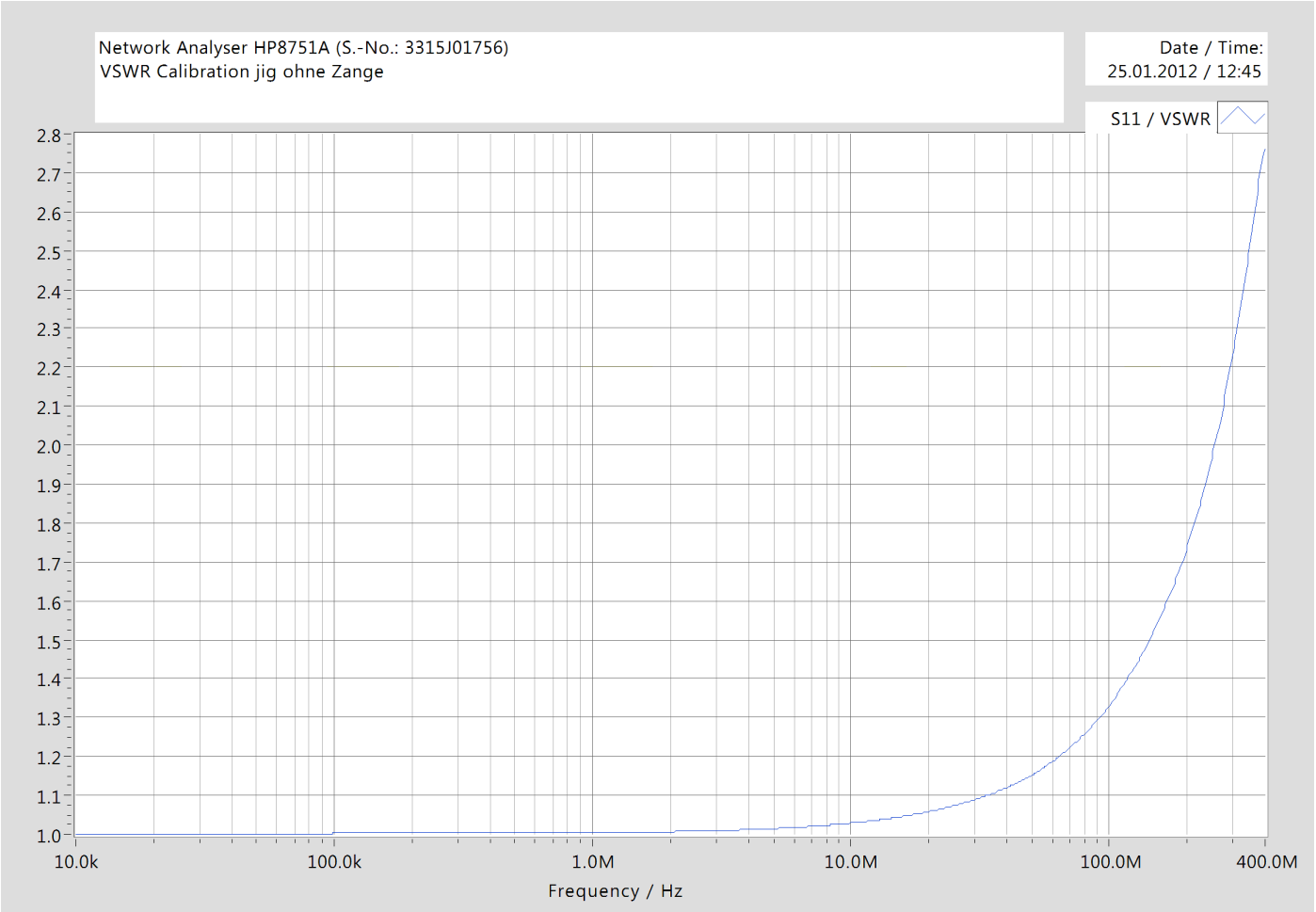
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VOLTAGE STANDING WAVE RATIO



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