

1207
Inductive
Probe

The Willtek 1207 Inductive Probe is an active probe for contactless measurements. The Inductive Probe measures magnetic fields which are emitted by ASICs, wires and other electronic devices. It is designed for checking synthesizer frequencies and mixing products inside electronic devices, with only one probe for all frequencies up to 4 GHz.

The 1207 Inductive Probe is an ideal tool for the repair of modern printed circuit boards, e.g. in mobile phones. Most of the latest designs do not have any contacts for measuring the frequency of important synthesizers anymore. The 1207 helps to overcome this obstacle by measuring the magnetic component of the field emitted by the device under test.

Highlights

- Contactless RF measurements
- Large usable frequency range
- Integrated amplifier
- Rugged design

Specifications

Frequency range	
Specified	50 MHz to 4 GHz
Usable	10 MHz to 6 GHz
Gain	20 dB @ 1 GHz
Max. input level	20 dBm
Max. output level	13 dBm
Dimensions	160 mm x 12 mm
Weight	114 g
Cable length	1 m
Connectors	
DC	9102 Multi Port (male)
RF	N-type (male)

Ordering information

Willtek 1207 Inductive Probe	M 248 971
Willtek 9102 Handheld Spectrum Analyzer	
Bench Edition	M 100 412
Willtek 9102 Handheld Spectrum Analyzer	
Field Edition	M 248 806
Willtek 9102 Handheld Spectrum Analyzer	
Tracking Edition	M 248 801
Willtek 9102 Handheld Spectrum Analyzer	
VSWR/DTF Edition	M 248 802

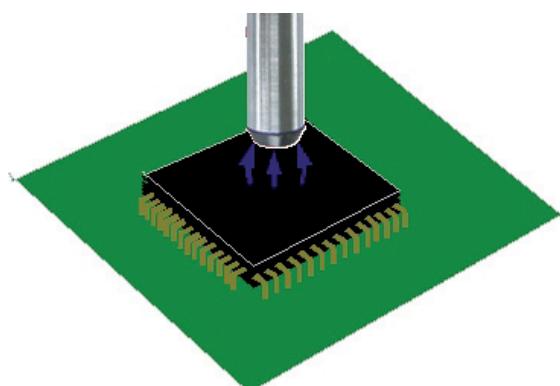


Fig. 1: The 1207 picks up the magnetic field in the pointing direction

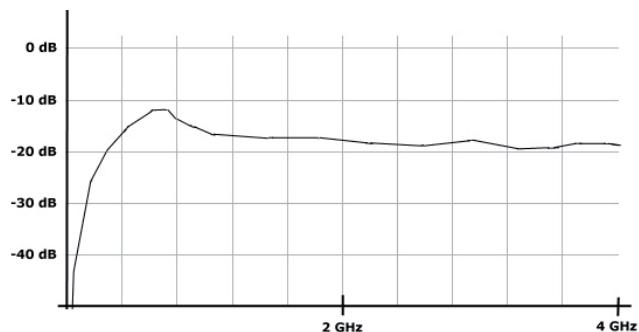
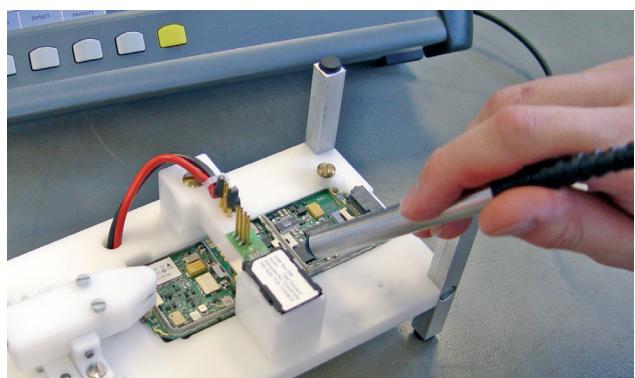


Fig. 2: Typical frequency response of the 1207 Inductive Probe



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