ICR E150

Near-Field Microprobe E-field 7 MHz to 3 GHz

Short description

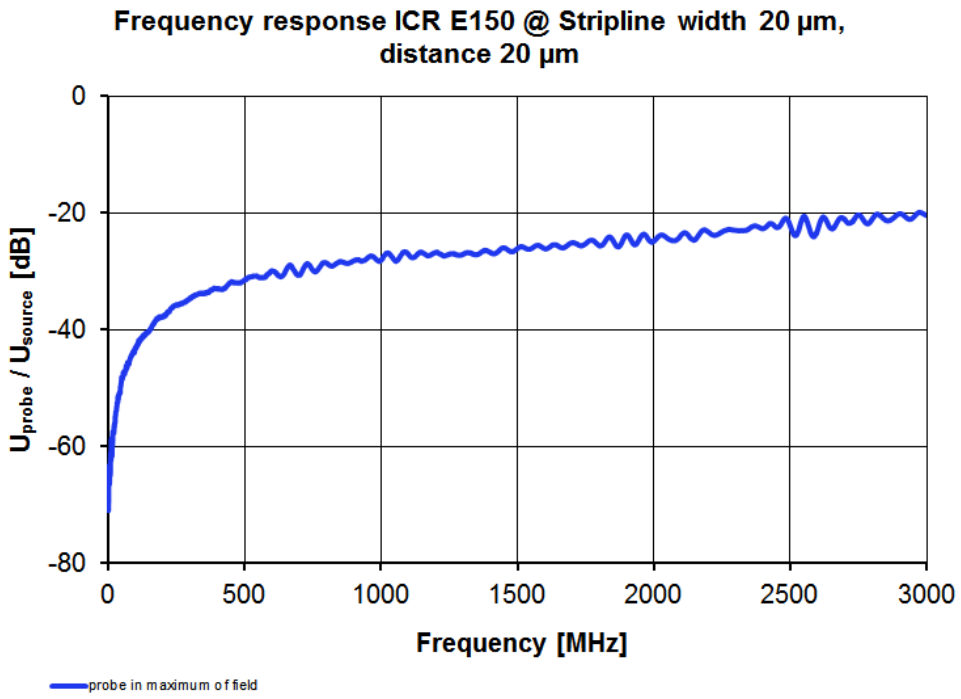
The near-field microprobe is used to measure electric fields at extremely high resolution and sensitivity. The optimal distance to the object being measured is < 1 mm. Due to its small probe head dimension, the probe has to be moved by a manual or automatic positioning system, e.g. Langer Scanner.

The probe head is shielded against magnetic field coupling. A preamplifier is integrated in the probe housing, which is powered by the BT 706 bias tee. Adjustment screws on the housing allow manual alignment of the probe tip to the probe housing.
The probe supports the collision protection function of the Langer scanners, which stops the movement during vertical travel if the device under test is touched.
The housing can also be mounted on commercially available testers.
Attention! The tip is very sensitive to impact due to its construction, therefore we recommend positioning the probe through an automatic positioning system.

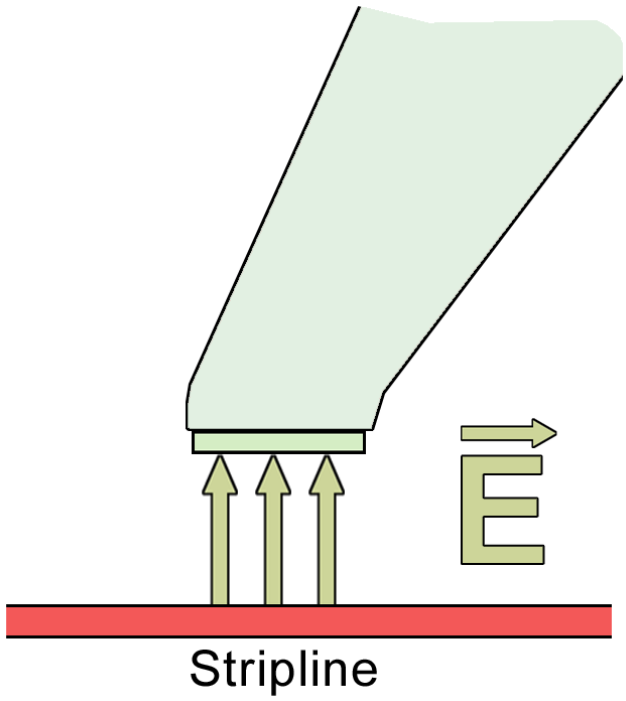
Technical parameters

Frequency range	7 MHz ... 3 GHz
Resolution	65 µm
Electrode surface area	(150 x 35) µm

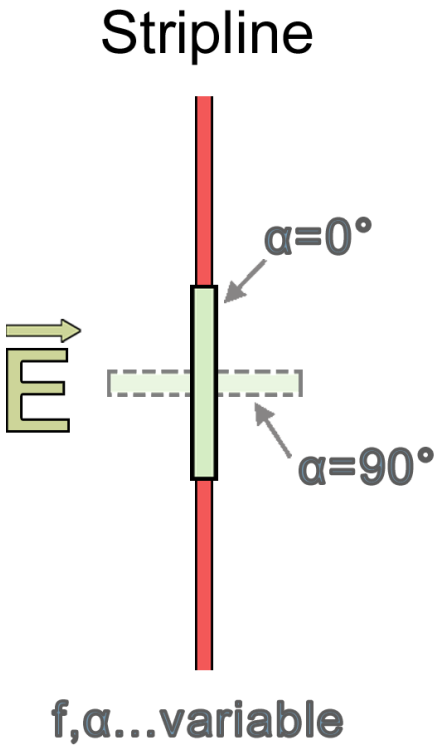
Frequency response



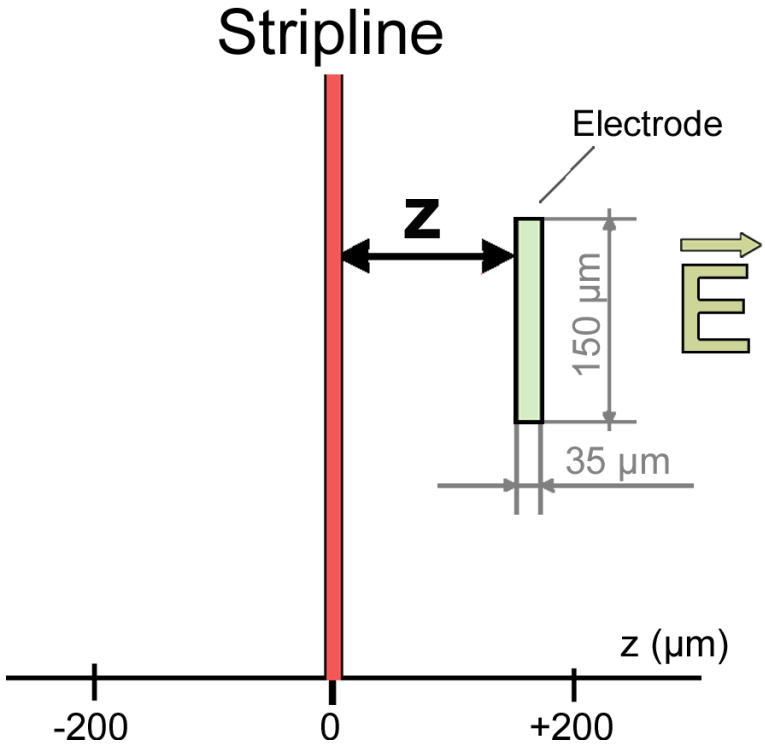
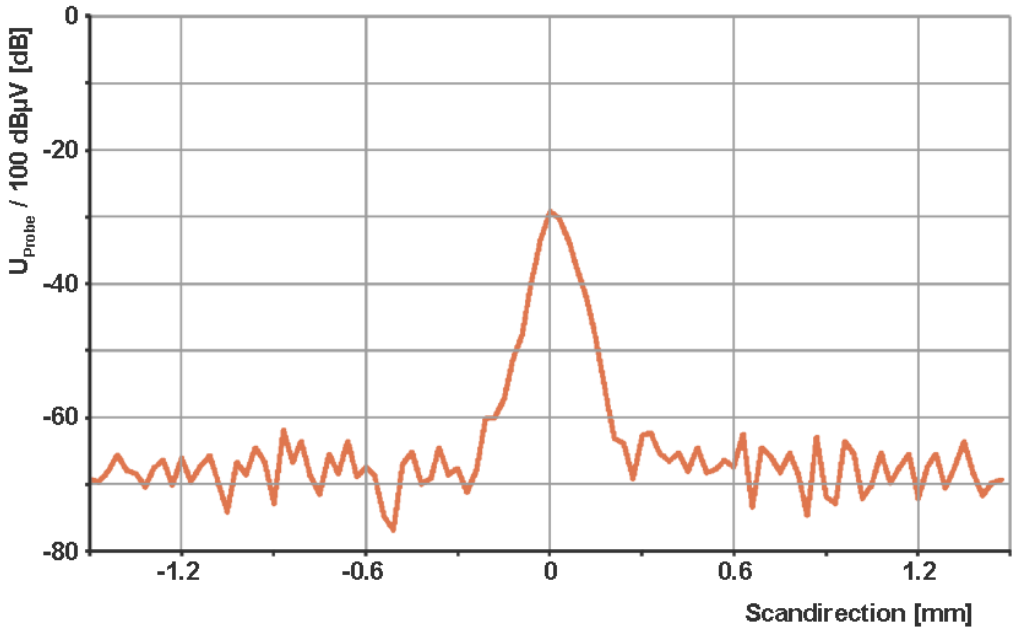
Measuring principles



Design, view 1



Design, view 2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