

# P1702

RF E-Field Probe



## Short description

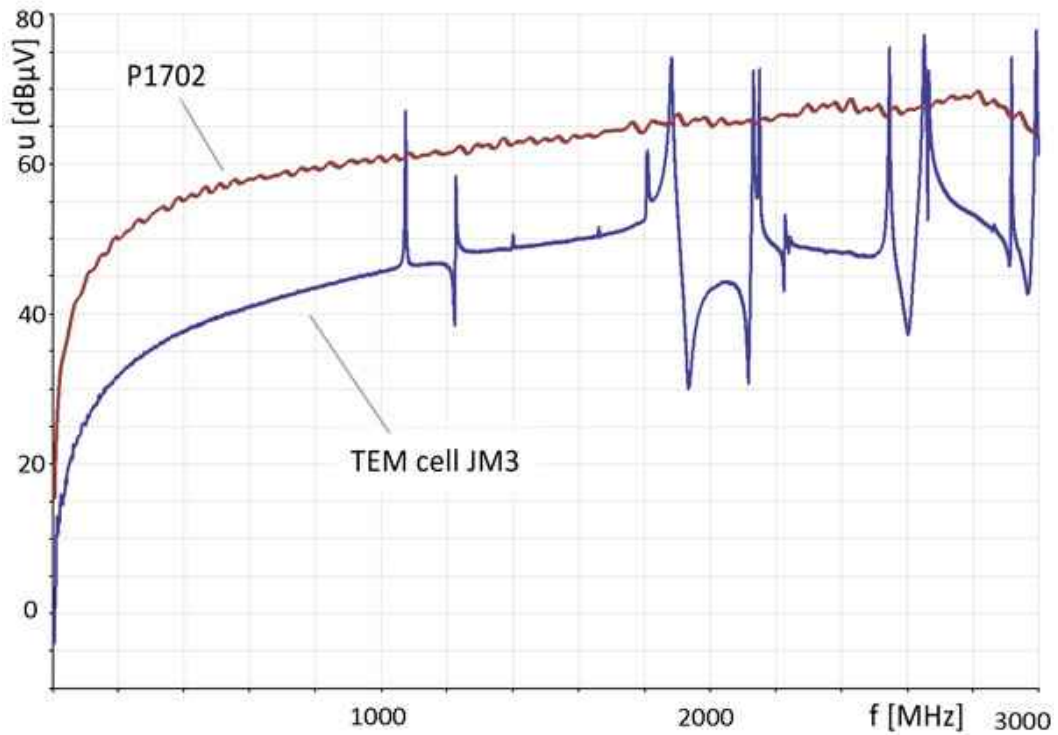
The P1702 RF E-field probe is used to measure electric near fields, which are coupled out by an IC. The fields couple into the near-field electrode. The generated displacement current generates a voltage drop at the input of the connected spectrum analyzer. This voltage drop is measured by the connected spectrum analyzer.

The RF E-field probe has a 50 ohm RF measuring output, which is connected with an electrode for measuring the electric field. With the help of a distance ring (3 or 10 mm) the RF E-field probe is positioned in a defined distance above the IC.

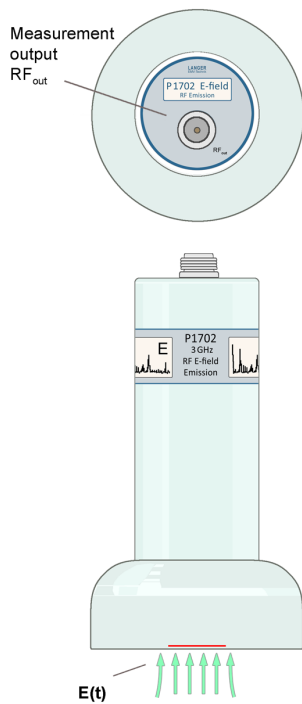
## Technical parameters

|                          |                            |
|--------------------------|----------------------------|
| Frequency range          | 0 - 3 GHz                  |
| Connector - output       | N-Connector (50 $\Omega$ ) |
| Dimension E-field source | 42 mm $\varnothing$        |

Frequency response



Design, view 1



Scheme measurement set-up P1702 e-field

