

P1402

RF Magnetic Field Source up to 3 GHz



Short description

The P1402 RF magnetic field source tests the ICs in terms of their immunity under the influence of RF magnetic fields. The IC to be tested is tested while it is running.

The P1402 magnetic field source is operated in connection with a power amplifier and a RF signal generator.

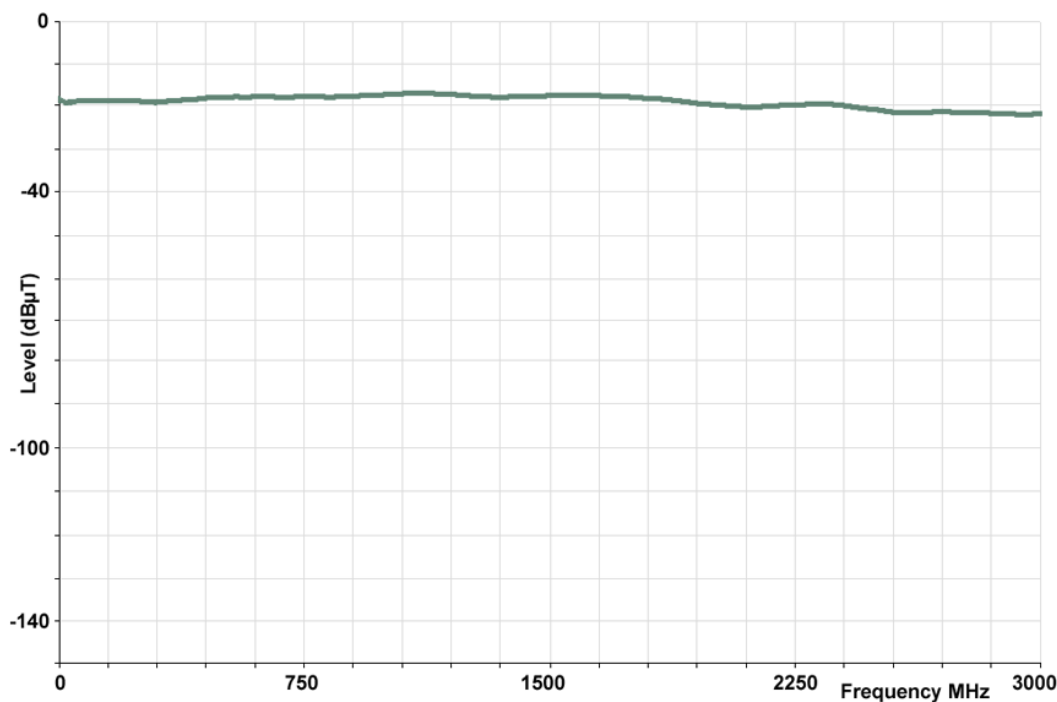
- above 2 GHz the E-field suppression is reduced

Attention: The largest part of the fed power is reflected by the probe (no 50 Ω adaptation). The used power amplifier must be designed for it.

Technical parameters

Frequency range	(0 ... 3) GHz
Input impedance	0.1 Ω
Generated magnetic flux density	69 μT
Generated magnetic flux density B (h=10mm)	35 μT
Ammeter /current probe	
Measurement output	50 Ω , (SMB)
Shunt	0.1 Ω
Current correction factor R	-26 dB Ω
Max. forward power	100 W
Connector - input	N-Connector (50 Ω)
Weight	750 g
Sizes (L x W x H)	(180 x 96 x 96) mm

Frequency response



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Design, view 1

