

COMOHAC T-Coil probe Calibration Report



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Issue: A

Date: 2010/10/06

COMOHAC T-COIL PROBE CALIBRATION REPORT

Prepared By: LUC Jérôme, SATIMO

Project Description: HAC TEST BENCH

Prepared For (End User): Shenzhen Morlab Communication Technology

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T-COIL PROBE CALIBRATION REPORT

DATE: 14/11/2008

REFERENCE: SN 39/08 TCP11

OBJECT: T-COIL PROBE

MANUFACTURER: SATIMO

SERIAL NUMBER: SN 39/08 TCP11

CUSTOMER: Shenzhen Morlab Communication Technology

CONTRACT: PF2130108b_SAR_Morlab

DATE OF CALIBRATION: 06/10/2010

WARRANTY:

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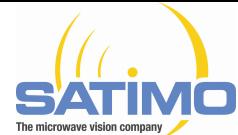
Date

2010/10/06

SAR TEAM MANAGER

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PRODUCT DESCRIPTION



COIL DIMENSION

Dimensions: 6.55 mm length * 2.29 mm diameter

DC resistance: 860.6 Ω

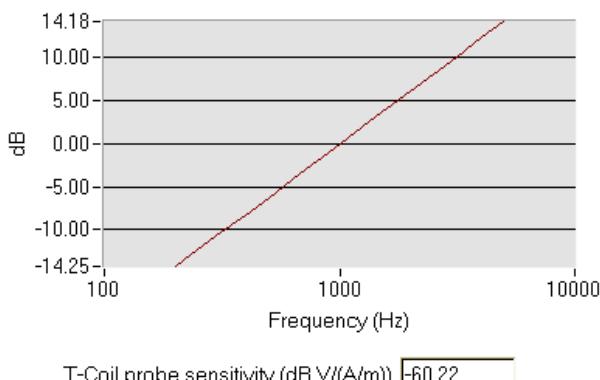
Wire size: 51 AWG

Inductance: 132.1 mH at 1 kHz

Sensitivity: -60.22 dB (V/A/m) at 1kHz

SENSITIVITY

Probe coil sensitivity relative to sensitivity at 1000 Hz



Frequency (Hz)	H (dB (V/(A/m)))
200	-73,92940009
250	-72,01119983
315	-70,06378892
400	-67,88880017
500	-66,00059991
630	-64,07318901
800	-62,00820026
1000	-60,22
1250	-58,29179974
1600	-56,20760035
2000	-54,31940009
2500	-52,36119983
3150	-50,38378892
4000	-48,50880017
5000	-46,44059991

LINEARITY

Linearity = 0.27 dB

Power (dB) relative to 1 A/m	0	-10	-20	-30	-40	-50
H (dB (V/(A/m)))	0	-9,95	-19,95	-30	-39,9	-49,73