

# COMOSAR Dipole 2450 MHz Calibration Report



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Issue: B

Date: 2008/10/06

## DIPOLE 2450 MHZ CALIBRATION REPORT

Prepared By: LUC Jérôme, SATIMO

Project Description: SAR TEST BENCH

Prepared For (End User): Shenzhen Morlab Communication Technology

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## DIPOLE 2450 MHz CALIBRATION REPORT

**DATE:** 16/02/2009

**REFERENCE:** SN 36/08 DIPJ103

**OBJECT:** COMOSAR IEEE REFERENCE DIPOLE

**MANUFACTURER:** SATIMO

**SERIAL NUMBER:** SN 36/08 DIPJ103

**CUSTOMER:** Shenzhen Morlab Communication Technology

**CONTRACT:** PF2130108b\_SAR\_Morlab

**DATE OF CALIBRATION:** 24/09/2008

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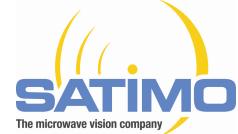
Date

2008 / 10 / 06

SAR TEAM MANAGER

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Zone du Vernis  
225 rue Pierre Rivoalon  
29200 BREST

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## PRODUCT DESCRIPTION

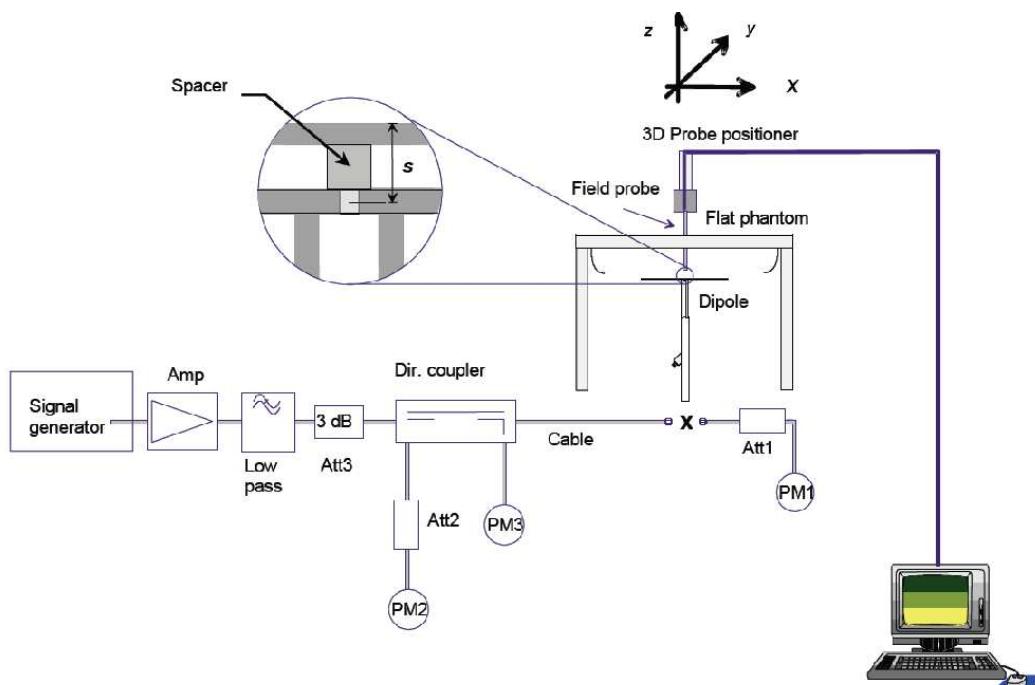


## CALIBRATION TEST EQUIPMENT

TYPE	IDENTIFICATION
Vector Network Analyzer	HP8753D

## MEASUREMENT PROCEDURE

We placed the dipole under the flat part of SAM phantom fill with 2450 MHz head liquid.



Calibration was performed according to IEEE Std P1528-2003 and OET bulletin 65 Supplement C (Ed. 01-01)

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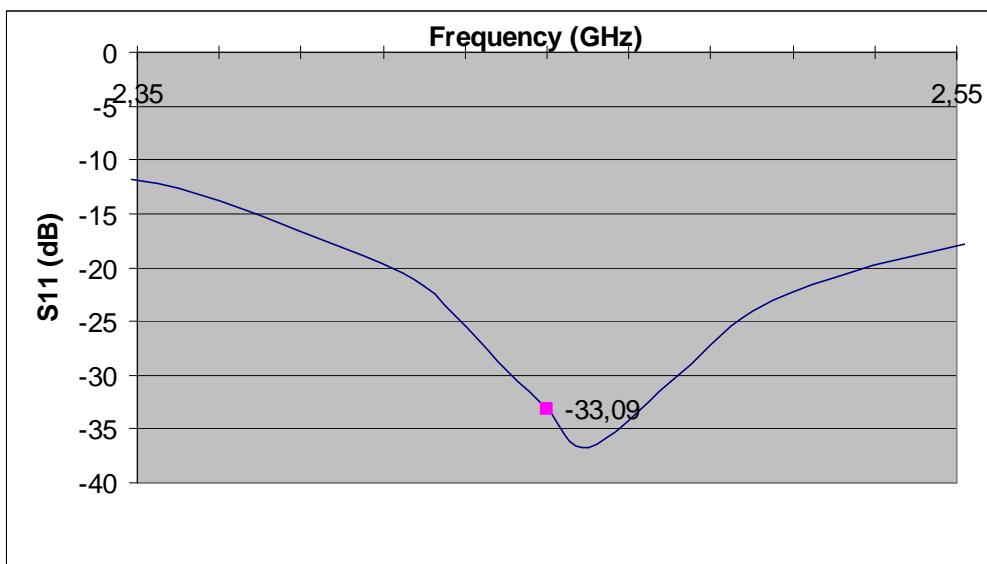
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VSWR at 2450 MHz: -33.09 dB



## SAR MEASUREMENT EQUIPEMENT

PC	Dell (Pentium IV 2.4GHz, SN:X10-23533)
Voltmeter	Keithley (2000, SN:1000572)
Synthesizer	Rohde&Schwarz (SML_03, SN:101868)
Amplifier	Nucléitudes (ALB216, SN:10800)
Power Meter	Rohde&Schwarz (NRVD, SN:101066)
Probe	SATIMO Bretagne (SN:EP37)
Phantom	SATIMO Bretagne (SN: SN_20_07_SAM42)
Liquid	SATIMO Bretagne (Last Calibration: 19 09 08) Head Liquid Values: $\epsilon\mu$ : 40,46 sigma : 1,77
Software	OpenSAR V3

## SAR MEASUREMENT RESULT

	10g	1g
SAR measured Liquid : HL Input power : 1W	<b>24,51 W/Kg</b> + 2,12 %	<b>54,10 W/Kg</b> + 3,24 %

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## SAR MEASUREMENT PLOTS

