

COMOSAR Dipole 835 MHz Calibration Report



Ref: CR-280-3-08-SATB-B

Page: 1/5

Issue: B

Date: 2008/10/06

DIPOLE 835 MHZ CALIBRATION REPORT

Prepared By: LUC Jérôme, SATIMO
Project Description: SAR TEST BENCH
Prepared For (End User): Shenzhen Morlab Communication Technology

This document is issued by SATIMO, in confidence and is not to be reproduced in whole or in part without the prior written permission. The information contained herein is to be used only for the purpose for which it is submitted and is not to be released in whole or in part without the prior written permission of SATIMO.

COMOSAR Dipole 835 MHz Calibration Report



Ref: CR-280-3-08-SATB-B

Page: 2/5

Issue: B

Date: 2008/10/06

DIPOLE 835 MHz CALIBRATION REPORT

DATE: 16/02/2009

REFERENCE: SN 36/08 DIPC99

OBJECT: COMOSAR IEEE REFERENCE DIPOLE

MANUFACTURER: SATIMO

SERIAL NUMBER: SN 36/08 DIPC99

CUSTOMER: Shenzhen Morlab Communication Technology

CONTRACT: PF2130108b_SAR_Morlab

DATE OF CALIBRATION: 24/09/2008

WARRANTY:

This Calibration certificate may not be reproduced other than in full. Calibration certificates without signature and seal are not valid. This documentation contains property information which is protected by copyright. All right are reserved. No part of this document may be photocopied, reproduced without the prior written agreement of SATIMO. SATIMO shall not be liable for errors contained herein or for incidental or consequential in connection with the furnishing, performance or use of this material. Warranty doesn't apply to Normal wear, Normal tear, Improper use, Improper maintain, Improper installation.

Date

2008 / 10 / 06

SAR TEAM MANAGER

JS

SATIMO Bretagne
Technopôle Brest Iroise
Zone du Vernis
225 rue Pierre Rivoalon
29200 BREST

COMOSAR Dipole 835 MHz Calibration Report



Ref: CR-280-3-08-SATB-B

Page: 3/5

Issue: B

Date: 2008/10/06

PRODUCT DESCRIPTION

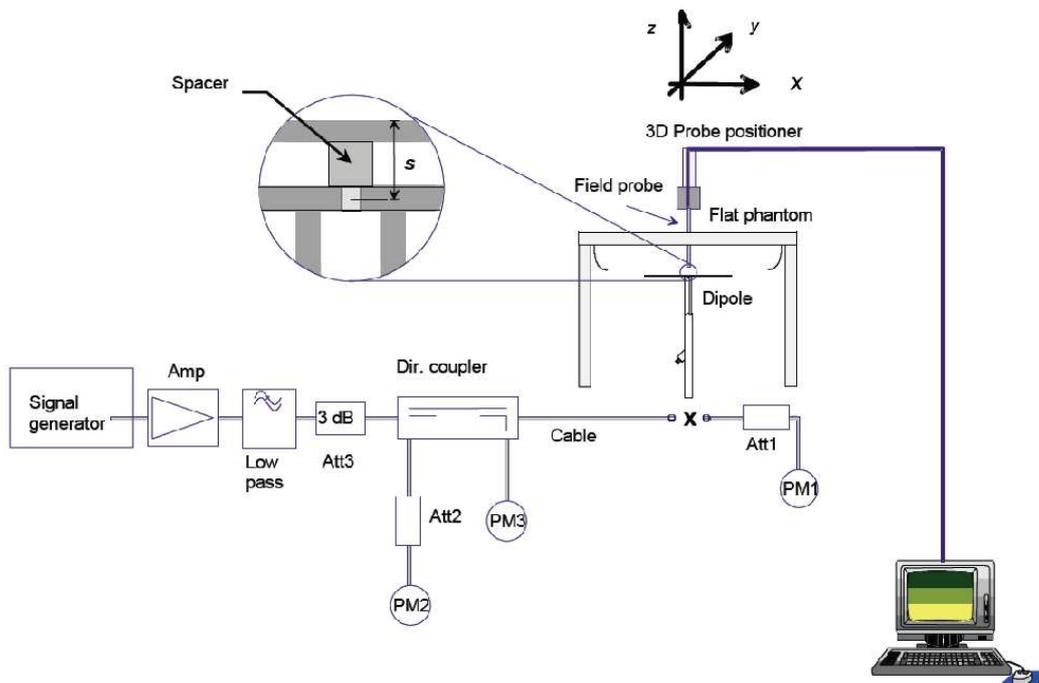


CALIBRATION TEST EQUIPMENT

TYPE	IDENTIFICATION
Vector Network Analyzer	HP8753D

MEASUREMENT PROCEDURE

We placed the dipole under the flat part of SAM phantom fill with 835 MHz head liquid.



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

COMOSAR Dipole 835 MHz Calibration Report



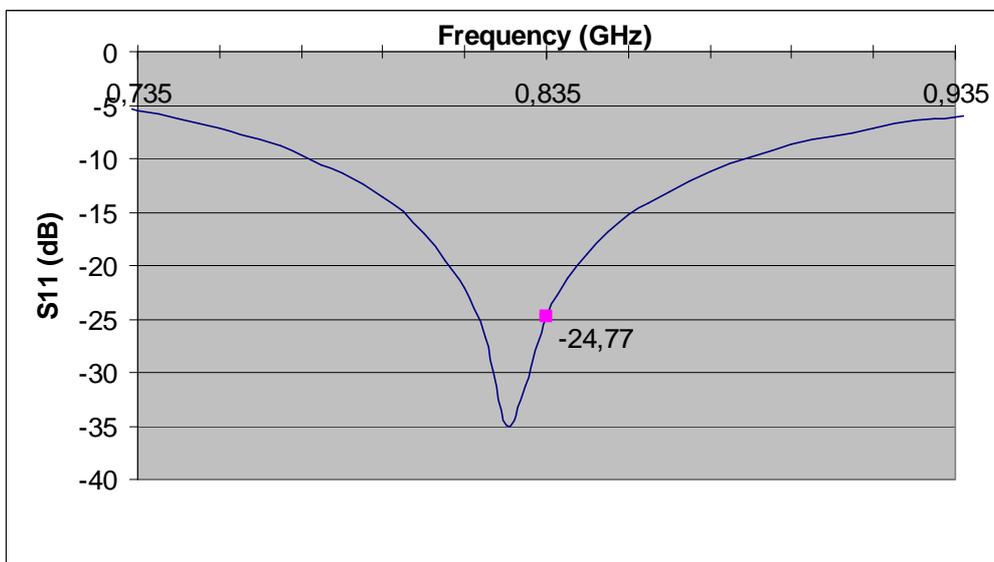
Ref: CR-280-3-08-SATB-B

Page: 4/5

Issue: B

Date: 2008/10/06

VSWR at 835 MHz: -24.77 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	Nuclétudes (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: 18 09 08) Head Liquid Values: eps' : 41,20 sigma : 0,872
Software	OpenSAR V3

SAR MEASUREMENT RESULT

	10g	1g
SAR measured	6,364 W/Kg	9,805 W/Kg
Liquid : HL	+ 2,64 %	+ 3,21 %
Input power : 1W		

COMOSAR Dipole 835 MHz Calibration Report



Ref: CR-280-3-08-SATB-B

Page: 5/5

Issue: B

Date: 2008/10/06

SAR MEASUREMENT PLOTS

