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# **SAR MEASUREMENT REPORT**

**Project name :**

**KS080709A03**



## I. RESULTS

<u>TYPE</u>	<u>BAND</u>	<u>PARAMETERS</u>
<u>Noise</u>	--	--
<u>Validation</u>	<u>GSM1900</u>	<u>Measurement 1:</u> Validation Plane with Dipole device position on Middle Channel in CW mode
<u>Phone</u>	--	--

## MEASUREMENT 1

Type: Validation measurement (Complete)

Date of measurement: 10/7/2008

Measurement duration: 6 minutes 25 seconds

Mobile Phone IMEI number: --

### **A. Experimental conditions.**

<b>Phantom File</b>	surf_sam_plan.txt, Adaptative 2 max
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	CW

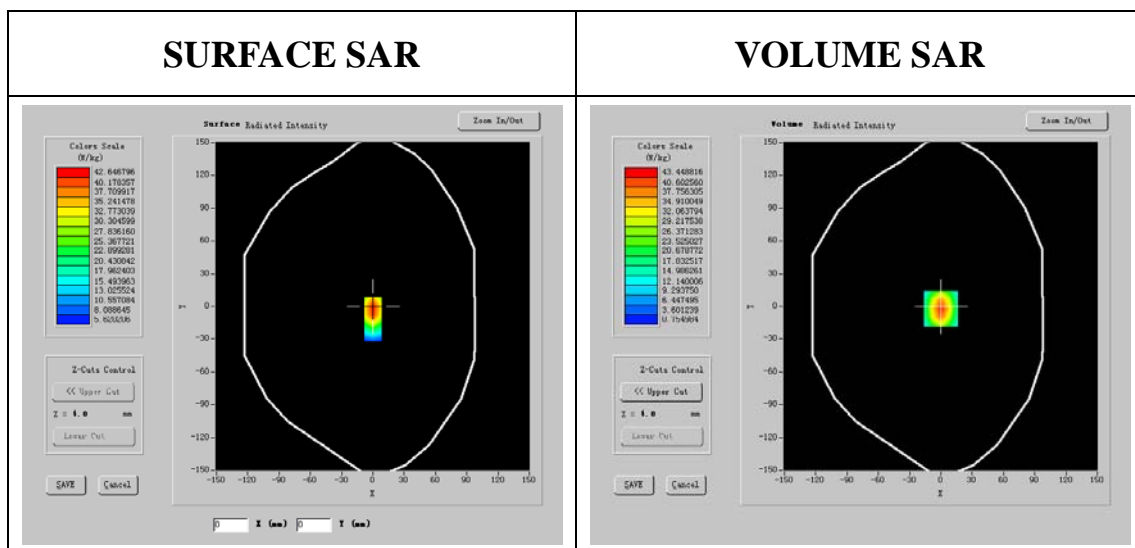
### **B. Instrumentations.**



<b>PC</b>	HP (Pentium(R) V3.06GHz, SN:375052-AA1)
<b>Network Emulator</b>	R&S (CMU200, SN:B23-03291)
<b>Voltmeter</b>	Keithley (2000, SN:1015843)
<b>Synthesizer</b>	Agilent (E8257C, SN:MY43321570)
<b>Amplifier</b>	Mini-Circuits (ZHL-42, SN:110405)
<b>Power Meter</b>	Agilent (E4416A, SN:QB41292714)
<b>Probe</b>	Antennessa (SN:SN_0807_EP_74)
<b>Phantom</b>	Antennessa (SN:SN41_05_SAM29)
<b>Liquid</b>	Antennessa

## C. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.193001
<b>Relative permittivity (imaginary part)</b>	13.813800
<b>Conductivity (S/m)</b>	1.442775
<b>Variation (%)</b>	-0.050000





**Maximum location: X=0.00, Y=-2.00**

<b>SAR 10g (W/Kg)</b>	21.493999
<b>SAR 1g (W/Kg)</b>	40.328751

**Z Axis Scan**

