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	<b>SAR MEASUREMENT REPORT</b>
	<b>Project name :</b>
	<b>KS071010A01</b>

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## II. RESULTS

	<b><u>TYPE</u></b>	<b><u>PARAMETERS</u></b>
<b><u>GSM850</u></b>	<u>Noise</u>	--
	<u>Validation</u>	<u>Measurement 1:</u> Validation Plane with Dipole device position on Middle Channel in CW mode
	<u>Phone</u>	--
<b><u>GSM900</u></b>	<u>Noise</u>	--
	<u>Validation</u>	--
	<u>Phone</u>	--
<b><u>GSM1800</u></b>	<u>Noise</u>	--
	<u>Validation</u>	--
	<u>Phone</u>	--
<b><u>GSM1900</u></b>	<u>Noise</u>	--
	<u>Validation</u>	--
	<u>Phone</u>	--
<b><u>IMT2000</u></b>	<u>Noise</u>	--
	<u>Validation</u>	--
	<u>Phone</u>	--

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<b><u>CUSTOM</u></b>	<u>Noise</u>	--
	<u>Validation</u>	--
	<u>Phone</u>	--

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## MEASUREMENT 1

### VALIDATION

Type: Validation measurement (Complete)

Date of measurement: 12/10/2007

Measurement duration: 6 minutes 51 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>	GSM850
<b>Channels</b>	Middle
<b>Signal</b>	CW

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## **B. Instrumentations.**

<b>PC</b>	HP (Pentium(R) V 3.06GHz375052-AA1, SN:375052-AA1)
<b>Network Emulator</b>	Agilent (E5071B, SN:B23-03291)
<b>Voltmeter</b>	Keithley (2000, SN:1015843)
<b>Synthetizer</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 (Last Calibration:02/2006)

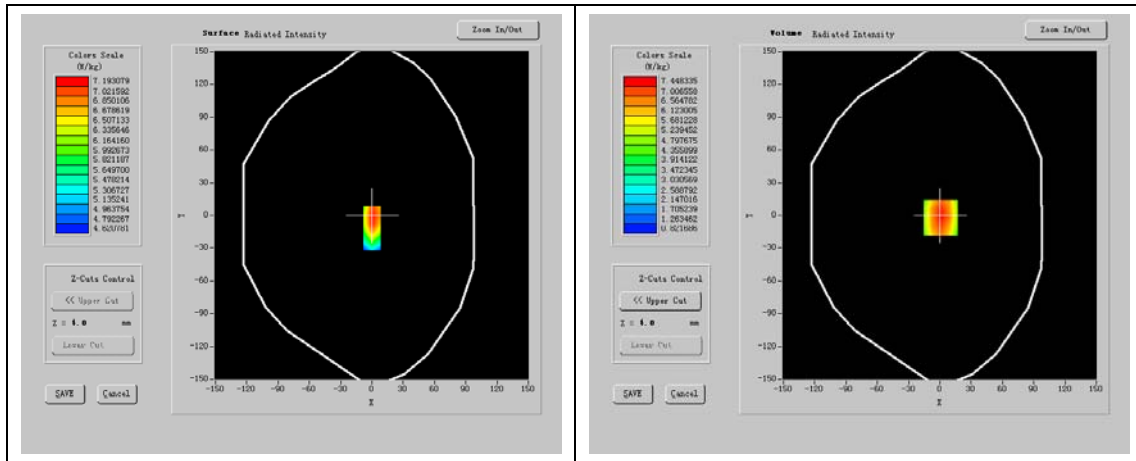
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## **C. SAR Measurement Results**

Middle Band SAR (Channel 189):

<b>Frequency (MHz)</b>	835.000024
<b>Relative permittivity (real part)</b>	52.246901
<b>Relative permittivity (imaginary part)</b>	22.076829
<b>Conductivity (S/m)</b>	1.035649
<b>Variation (%)</b>	0.260000

<b>SURFACE SAR</b>	<b>VOLUME SAR</b>
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**Maximum location: X=1.00, Y=-2.00**

<b>SAR 10g (W/Kg)</b>	6.146353
<b>SAR 1g (W/Kg)</b>	9.035760

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## Z Axis Scan

