 <p>Bâtiment le Ponant Avenue de la PEROUSE 29280 PLOUZANÉ France Tél. : 02.98.05.13.34 Fax : 02.98.05.53.87</p>	SAR MEASUREMENT REPORT
	Project name :
	KS080709A03



I. RESULTS

<u>TYPE</u>	<u>BAND</u>	<u>PARAMETERS</u>
<u>Noise</u>	--	--
<u>Validation</u>	--	--
<u>Phone</u>	<u>GSM1900</u>	<u>Measurement 1:</u> Validation Plane with Body device position on Low Channel in TDMA mode <u>Measurement 2:</u> Validation Plane with Body device position on Middle Channel in TDMA mode <u>Measurement 3:</u> Validation Plane with Body device position on High Channel in TDMA mode

MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 10/7/2008

Measurement duration: 7 minutes 0 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Low
Signal	TDMA

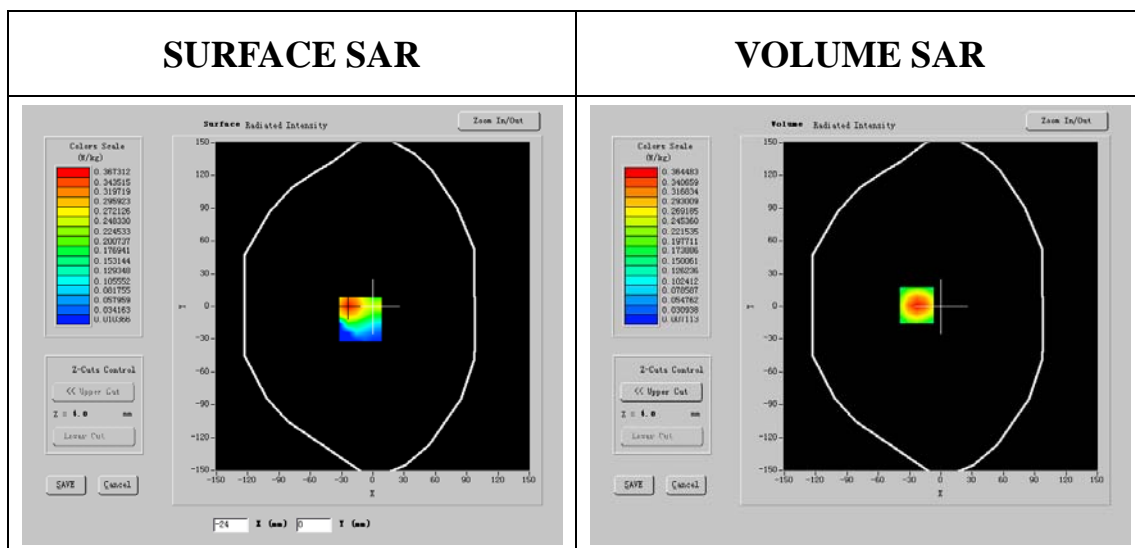
B. Instrumentations.



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

C. SAR Measurement Results

Frequency (MHz)	1850.200024
Relative permittivity (real part)	53.263000
Relative permittivity (imaginary part)	14.097300
Conductivity (S/m)	1.472385
Variation (%)	-3.990000

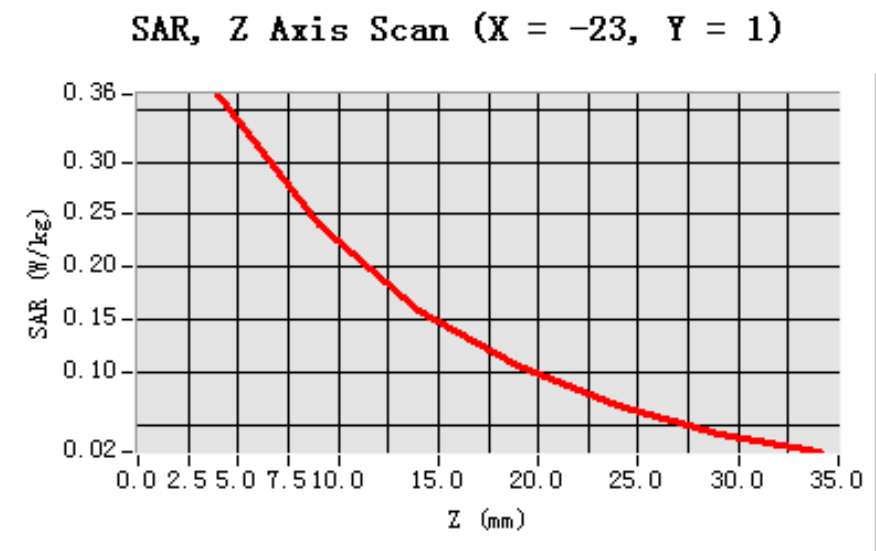




Maximum location: X=-23.00, Y=1.00

SAR 10g (W/Kg)	0.209796
SAR 1g (W/Kg)	0.345514

Z Axis Scan



MEASUREMENT 2

Type: Phone measurement (Complete)

Date of measurement: 10/7/2008

Measurement duration: 7 minutes 32 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Middle
Signal	TDMA

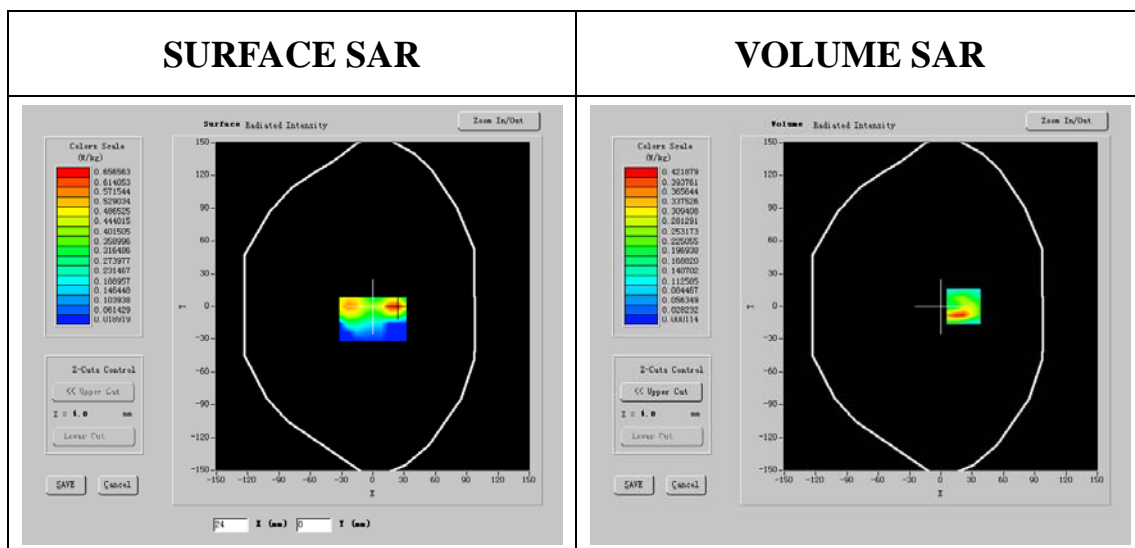
B. Instrumentations.



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

C. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.263000
Relative permittivity (imaginary part)	14.097300
Conductivity (S/m)	1.472385
Variation (%)	-3.020000

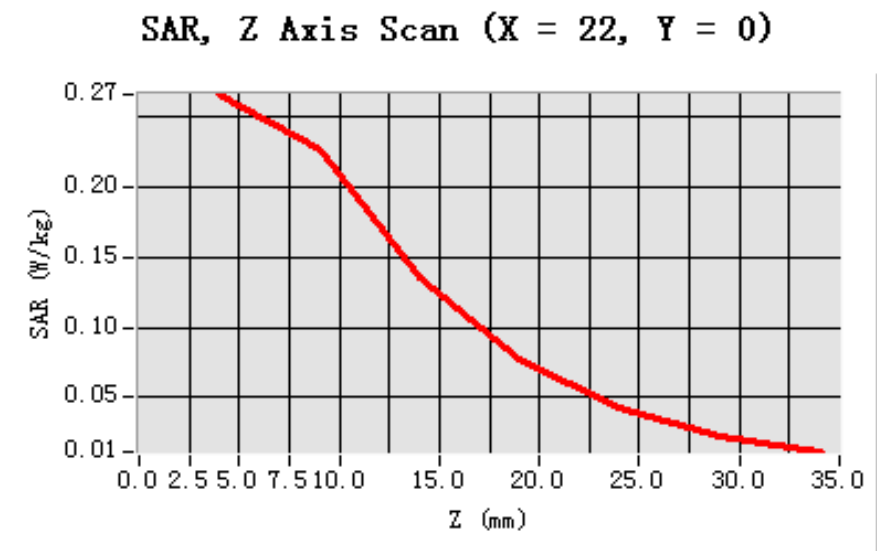




Maximum location: X=22.00, Y=0.00

SAR 10g (W/Kg)	0.183304
SAR 1g (W/Kg)	0.376216

Z Axis Scan



MEASUREMENT 3

Type: Phone measurement (Complete)

Date of measurement: 10/7/2008

Measurement duration: 7 minutes 29 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	High
Signal	TDMA

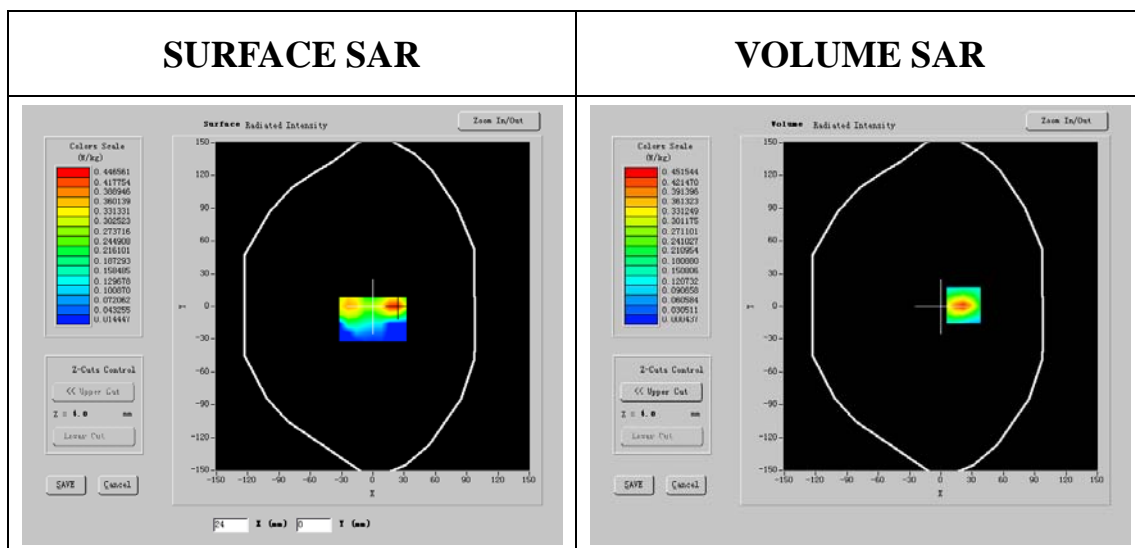
B. Instrumentations.



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

C. SAR Measurement Results

Frequency (MHz)	1909.800000
Relative permittivity (real part)	53.263000
Relative permittivity (imaginary part)	14.097300
Conductivity (S/m)	1.472385
Variation (%)	-2.960000





Maximum location: X=22.00, Y=1.00

SAR 10g (W/Kg)	0.210303
SAR 1g (W/Kg)	0.406712

Z Axis Scan

