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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>Phone</u>	<u>CUSTOM</u>	<u>Measurement 1:</u> Validation Plane with Body device position (band E1900-12) <u>Measurement 2:</u> Validation Plane with Body device position (band E1900-12) <u>Measurement 3:</u> Validation Plane with Body device position (band E1900-12)

MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 10/7/2008

Measurement duration: 6 minutes 51 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (E1900-12)
Channels	Low
Signal	Duty Cycle: 2

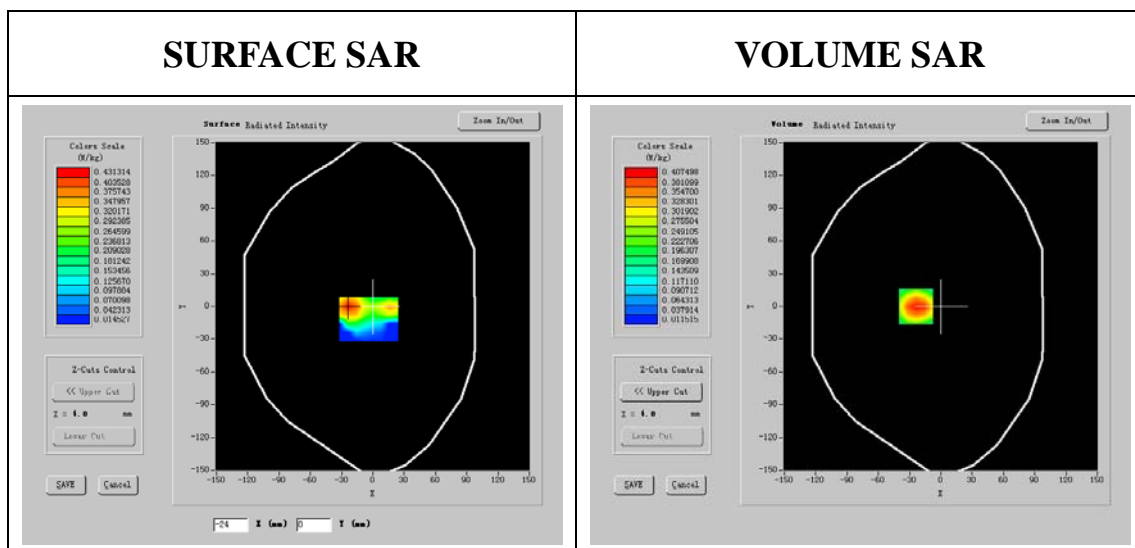
B. Instrumentations.



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 (%)	-0.820000



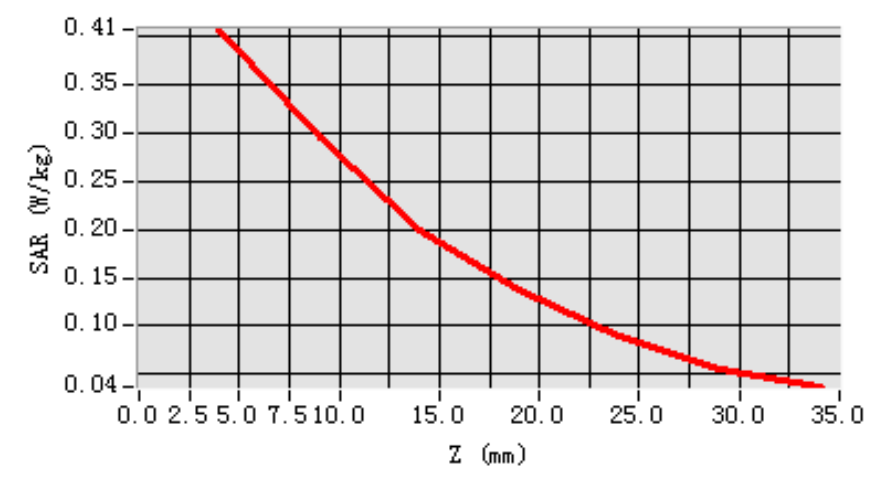


Maximum location: X=-24.00, Y=0.00

SAR 10g (W/Kg)	0.241977
SAR 1g (W/Kg)	0.387737

Z Axis Scan

SAR, Z Axis Scan (X = -24, Y = 0)



MEASUREMENT 2

Type: Phone measurement (Complete)

Date of measurement: 10/7/2008

Measurement duration: 6 minutes 50 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (E1900-12)
Channels	Middle
Signal	Duty Cycle: 2

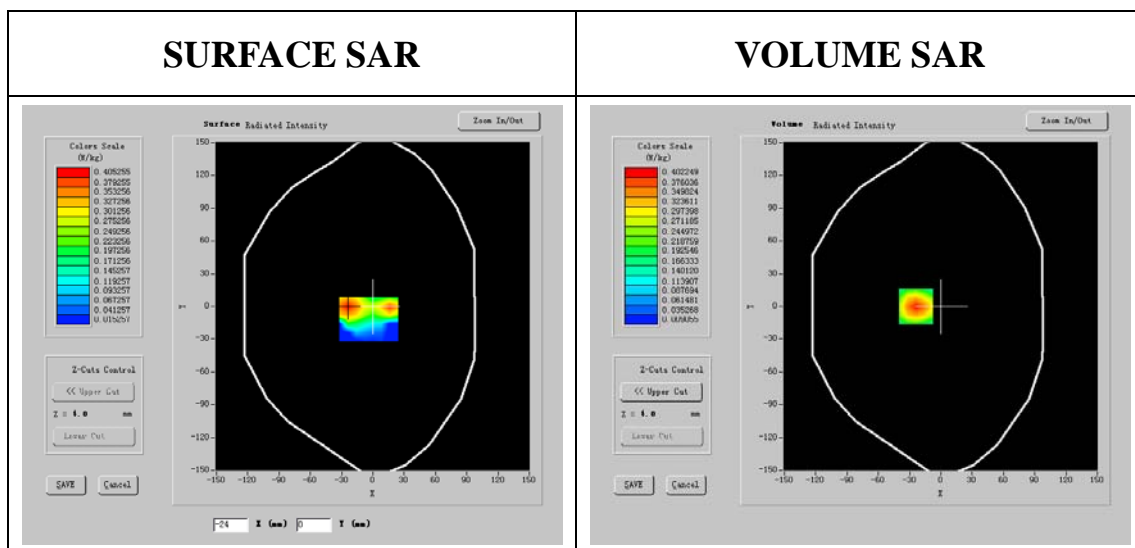
B. Instrumentations.



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 (%)	0.890000



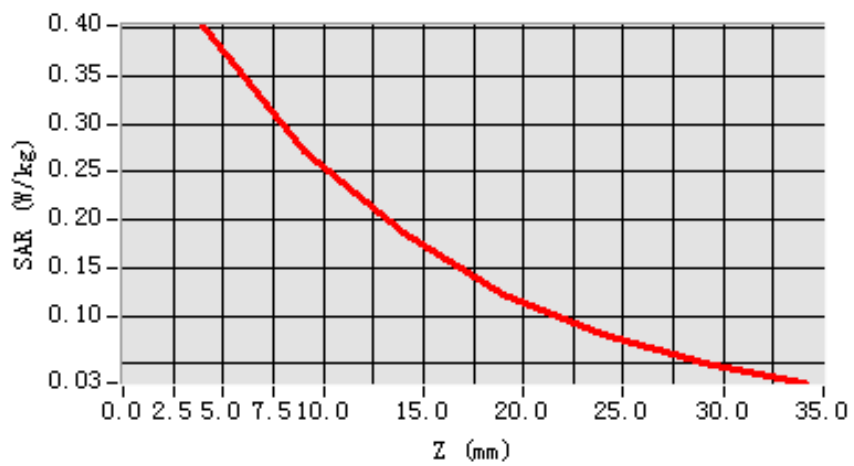


Maximum location: X=-24.00, Y=0.00

SAR 10g (W/Kg)	0.229319
SAR 1g (W/Kg)	0.374215

Z Axis Scan

SAR, Z Axis Scan (X = -24, Y = 0)



MEASUREMENT 3

Type: Phone measurement (Complete)

Date of measurement: 10/7/2008

Measurement duration: 6 minutes 54 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (E1900-12)
Channels	High
Signal	Duty Cycle: 2

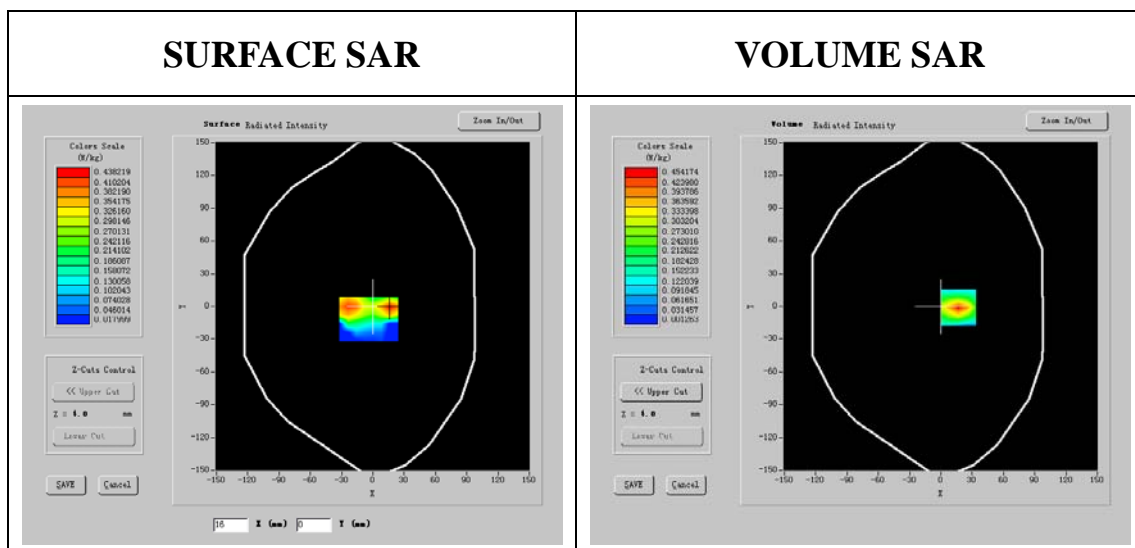
B. Instrumentations.



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 (Last Calibration:02/2006)

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 (%)	-1.280000





Maximum location: X=17.00, Y=-1.00

SAR 10g (W/Kg)	0.208635
SAR 1g (W/Kg)	0.407729

Z Axis Scan

