
	SAR MEASUREMENT REPORT
	Project name :
	KS070924A01

I. RESULTS

<u>TYPE</u>	<u>BAND</u>	<u>PARAMETERS</u>
<u>Noise</u>	--	--
<u>Validation</u>	--	--
<u>Phone</u>	<u>GSM850</u>	<u>Measurement 1:</u> Validation Plane with Body device position on Low Channel in GMSK mode <u>Measurement 2:</u> Validation Plane with Body device position on Middle Channel in GMSK mode <u>Measurement 3:</u> Validation Plane with Body device position on High Channel in GMSK mode

Modulation type: GMSK

Duty cycle: 25%

Ambient temperature:19C

Liquid Temperature:20C

MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 26/10/2007

Measurement duration: 6 minutes 30 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM850
Channels	Low
Signal	GMSK

B. Instrumentations.

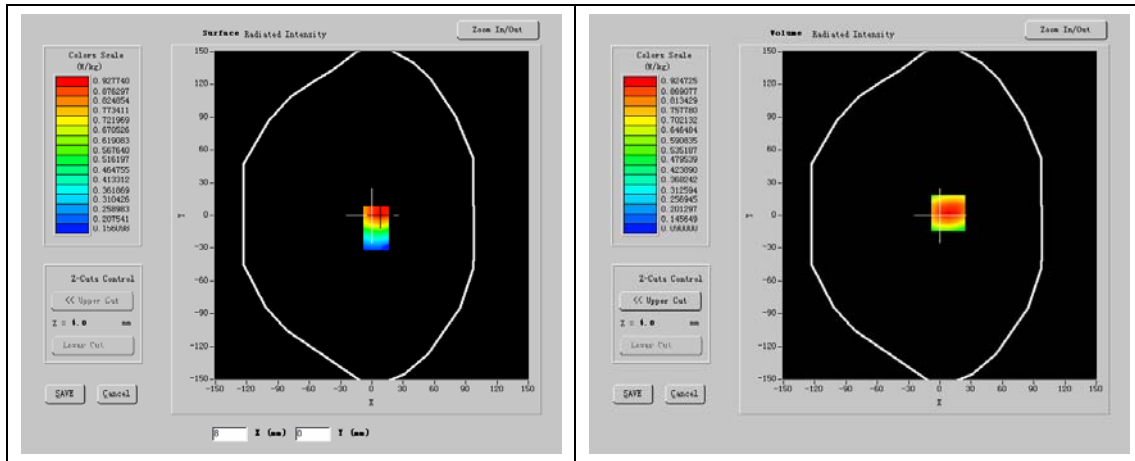
PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)
Network Emulator	R&S (CMU200, SN:B23-03291)
Voltmeter	Keithley (2000, SN:1015843)
Synthetizer	Agilent (E8257C, SN:MY43321570)
Amplifier	Mini-Circuits (ZHL-42, SN:110405)
Power Meter	Agilent (E4416A, SN:QB41292714)
Probe	Antennessa (SN:SN_0807_EP_74)
Phantom	Antennessa (SN:SN41_05_SAM29)
Liquid	Antennessa (Last Calibration:02/2006)

C. SAR Measurement Results

Lower Band SAR (Channel 128):

Frequency (MHz)	824.200012
Relative permittivity (real part)	41.455979
Relative permittivity (imaginary part)	19.523134
Conductivity (S/m)	0.883562
Variation (%)	-0.920000

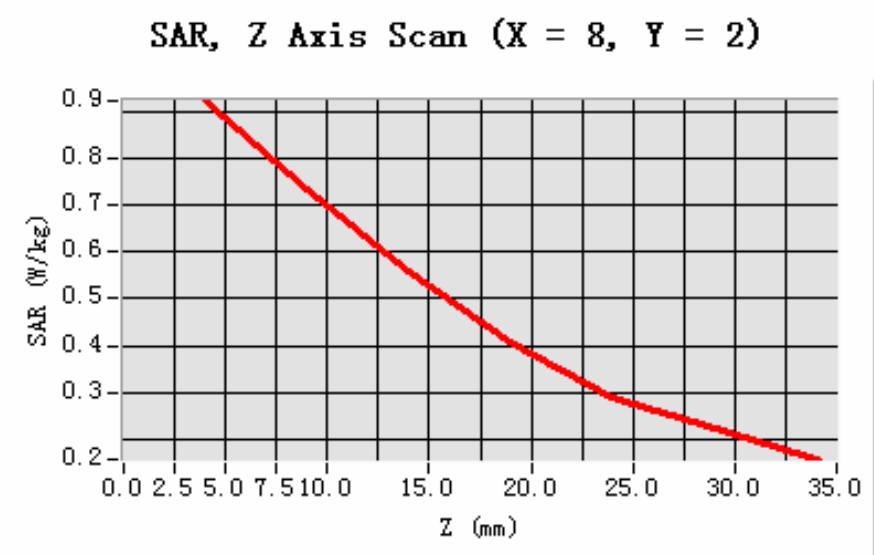
SURFACE SAR	VOLUME SAR
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Maximum location: X=8.00, Y=2.00

SAR 10g (W/Kg)	0.235720
SAR 1g (W/Kg)	0.627403

Z Axis Scan



MEASUREMENT 2

Type: Phone measurement (Complete)

Date of measurement: 26/10/2007

Measurement duration: 6 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	GSM850
Channels	Middle
Signal	GMSK

B. Instrumentations.

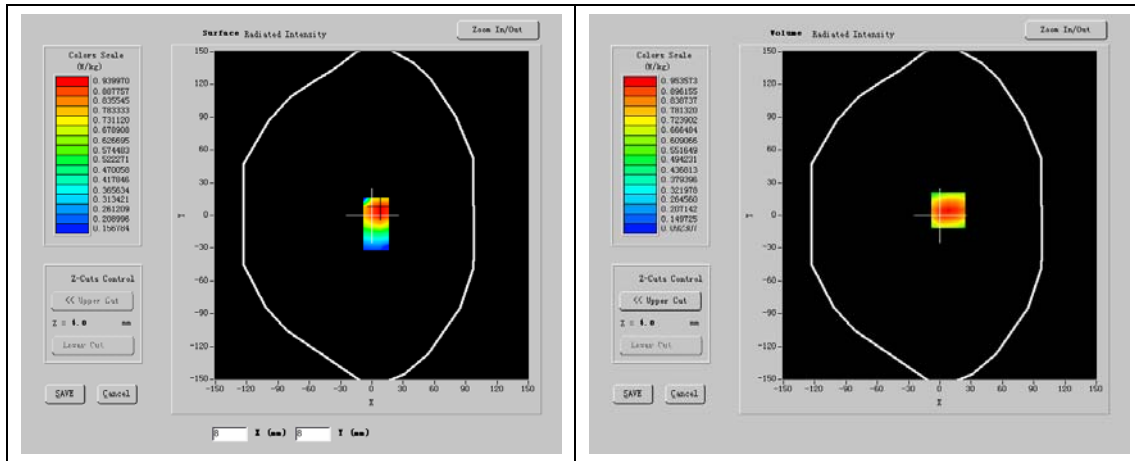
PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)
Network Emulator	R&S (CMU200, SN:B23-03291)
Voltmeter	Keithley (2000, SN:1015843)
Synthetizer	Agilent (E8257C, SN:MY43321570)
Amplifier	Mini-Circuits (ZHL-42, SN:110405)
Power Meter	Agilent (E4416A, SN:QB41292714)
Probe	Antennessa (SN:SN_0807_EP_74)
Phantom	Antennessa (SN:SN41_05_SAM29)
Liquid	Antennessa (Last Calibration:02/2006)

C. SAR Measurement Results

Middle Band SAR (Channel 189):

Frequency (MHz)	836.400024
Relative permittivity (real part)	41.436569
Relative permittivity (imaginary part)	19.534131
Conductivity (S/m)	0.913614
Variation (%)	-1.550000

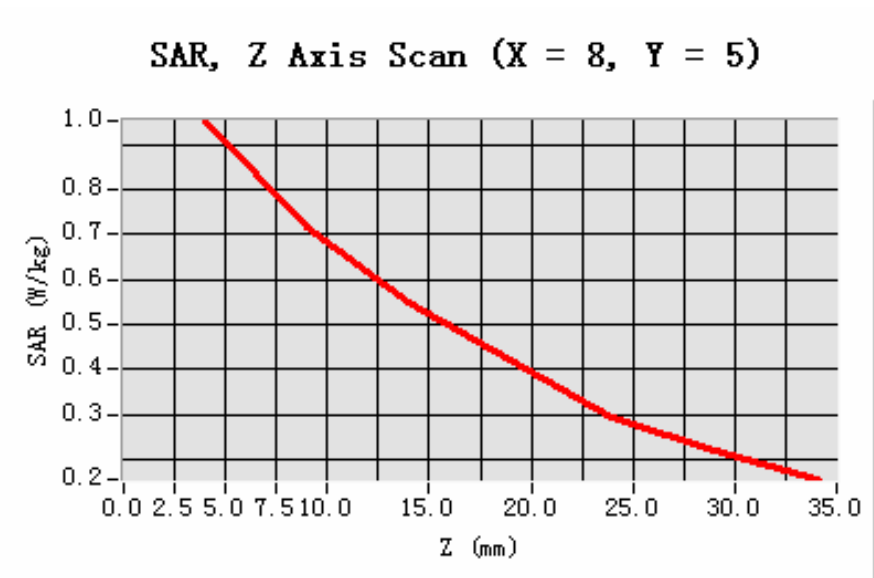
SURFACE SAR	VOLUME SAR
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Maximum location: X=8.00, Y=5.00

SAR 10g (W/Kg)	0.167538
SAR 1g (W/Kg)	0.409267

Z Axis Scan



MEASUREMENT 3

Type: Phone measurement (Complete)

Date of measurement: 26/10/2007

Measurement duration: 6 minutes 13 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM850
Channels	High
Signal	GMSK

B. Instrumentations.

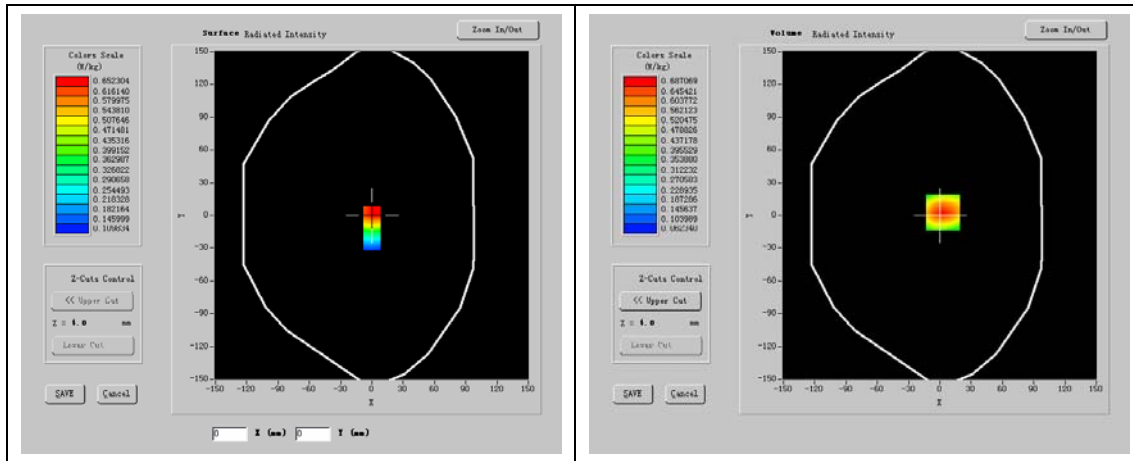
PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)
Network Emulator	R&S (CMU200, SN:B23-03291)
Voltmeter	Keithley (2000, SN:1015843)
Synthetizer	Agilent (E8257C, SN:MY43321570)
Amplifier	Mini-Circuits (ZHL-42, SN:110405)
Power Meter	Agilent (E4416A, SN:QB41292714)
Probe	Antennessa (SN:SN_0807_EP_74)
Phantom	Antennessa (SN:SN41_05_SAM29)
Liquid	Antennessa (Last Calibration:02/2006)

C. SAR Measurement Results

Higher Band SAR (Channel 250):

Frequency (MHz)	848.599976
Relative permittivity (real part)	41.312341
Relative permittivity (imaginary part)	19.567201
Conductivity (S/m)	0.913443
Variation (%)	-0.850000

SURFACE SAR	VOLUME SAR
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Maximum location: X=3.00, Y=3.00

SAR 10g (W/Kg)	0.209441
SAR 1g (W/Kg)	0.422646

Z Axis Scan

