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| | SAR MEASUREMENT REPORT |
| | Project name : |
| | KS071012A02 |
| | FCCID: VFM-NSZMNS9000 |

I. RESULTS

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

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

MEASUREMENT 1

Ambient temperature:20c

Liquid temperature:21c

Dipole input power:30dBm

Type: Validation measurement (Complete)

Date of measurement: 12/10/2007

Measurement duration: 7 minutes 3 seconds

Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|-----------------------------------|
| Phantom File | surf_sam_plan.txt, Adaptive 2 max |
| Phantom | Validation plane |
| Device Position | Dipole |
| Band | GSM1900 |
| Channels | Middle |
| Signal | CW |

B. Instrumentations.

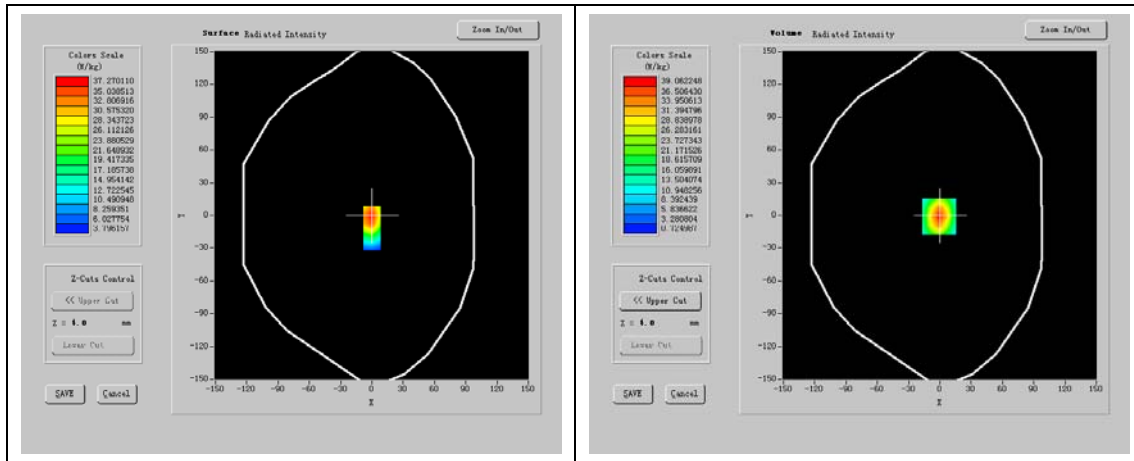
| | |
|-------------------------|--|
| PC | HP (Pentium(R) V 3.06GHz375052-AA1, SN:375052-AA1) |
| Network Emulator | Agilent (E5071B, SN:B23-03291) |
| Voltmeter | Keithley (2000, SN:1015843) |
| Synthesizer | Agilent (E8257C, SN:MY43321570) |
| Amplifier | Mini-Circuits (ZHL-42, SN:110405) |
| Power 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

Middle Band SAR (Channel 661):

| | |
|---|-------------|
| Frequency (MHz) | 1880.000000 |
| Relative permittivity (real part) | 40.786849 |
| Relative permittivity (imaginary part) | 13.648650 |
| Conductivity (S/m) | 1.369830 |
| Variation (%) | 0.080000 |

| | |
|--------------------|-------------------|
| SURFACE SAR | VOLUME SAR |
|--------------------|-------------------|



Maximum location: X=-1.00, Y=-1.00

| | |
|-----------------------|-----------|
| SAR 10g (W/Kg) | 19.438680 |
| SAR 1g (W/Kg) | 38.238345 |

Z Axis Scan

