

APPENDIX A: TEST DATA
Liquid Level Photo

MSL 835MHz D=153mm



MSL 1900MHz D=150mm



Test Laboratory: Advance Data Technology

Body Worn-CDMA850-Ch1013-Mode 1

DUT: Smart Phone ; Type: IRIS100 ; Test Frequency: 824.7 MHz

Communication System: CDMA ; Frequency: 824.7 MHz ; Duty Cycle: 1:1

Medium: MSL835 Medium parameters used: $f = 824.7$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³ ; Liquid Level : 153 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OQPSK

Separation Distance : 0 mm (The bottom side of the EUT to the Phantom)

Antenna Type : Internal Antenna ; Air Temp. : 23.1 degrees ; Liquid Temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.35, 6.35, 6.35) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

Low Channel 1013/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.398 mW/g

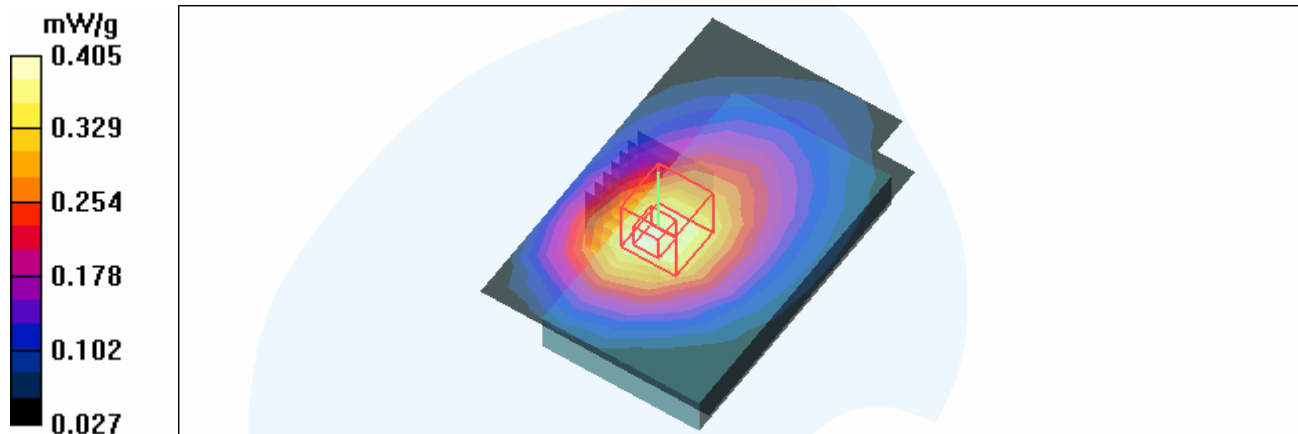
Low Channel 1013/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.5 V/m

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.275 mW/g

Maximum value of SAR (measured) = 0.405 mW/g



Test Laboratory: Advance Data Technology

Body Worn-CDMA1900-Ch1175-Mode 2

DUT: Smart Phone ; Type: IRIS100 ; Test Frequency: 1908.75 MHz

Communication System: CDMA ; Frequency: 1908.75 MHz ; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used : $f = 1908.75$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³ ; Liquid Level : 150 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OQPSK

Separation Distance : 0 mm (The bottom side of the EUT to the Phantom)

Antenna Type : Internal Antenna ; Air Temp. : 23.5 degrees ; Liquid Temp. : 22.1 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.59, 4.59, 4.59) ; Calibrated: 2006/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510 ; Calibrated: 2006/9/7

- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 53 ; Postprocessing SW: SEMCAD, V1.8 Build 172

High Channel 1175/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.436 mW/g

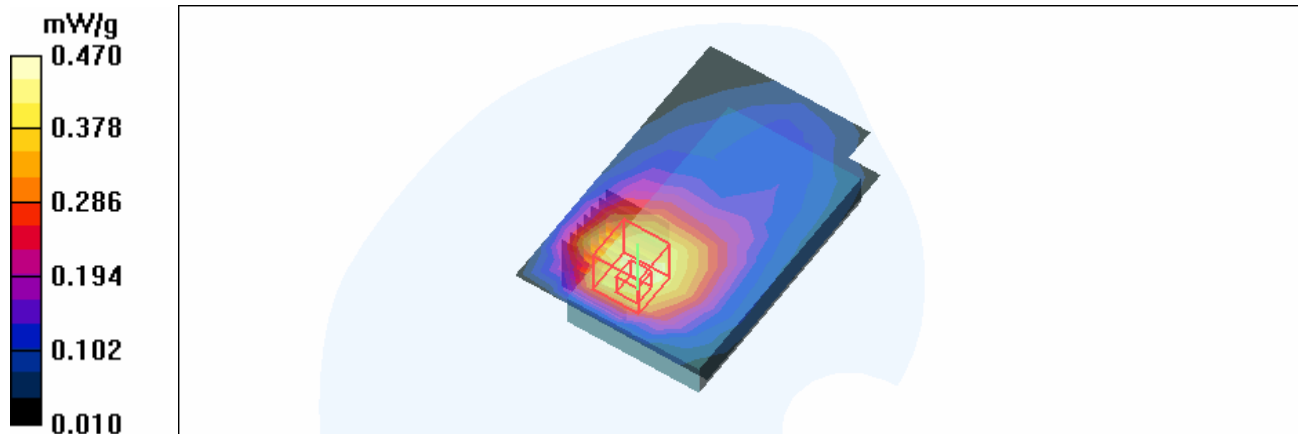
High Channel 1175/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.6 V/m

Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.272 mW/g

Maximum value of SAR (measured) = 0.470 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 835MHz

DUT: Dipole 850 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL835; Medium parameters used: $f = 835$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³ ;
 Liquid level : 153 mm
 Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 23.1 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.35, 6.35, 6.35) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.34 mW/g

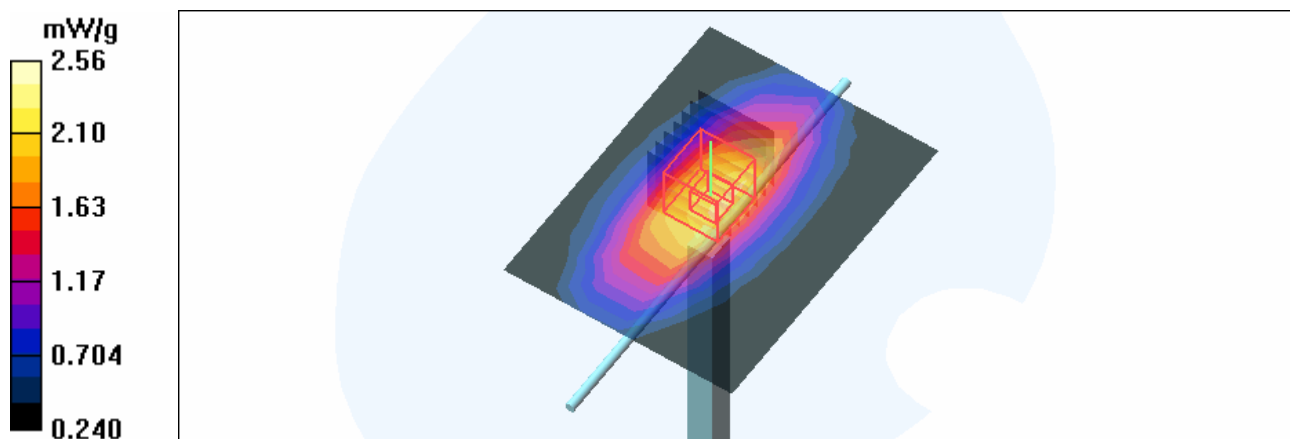
d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.7 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.54 mW/g

Maximum value of SAR (measured) = 2.56 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 1900MHz

DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.5 degrees ; Liquid temp. : 22.1 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.59, 4.59, 4.59) ; Calibrated: 2006/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2006/9/7
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 10.1 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.3 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 9.13 mW/g; SAR(10 g) = 4.89 mW/g

Maximum value of SAR (measured) = 10.4 mW/g

