

Appendix B2: SAR Distribution Plots (Body)



FCC ID: OVF-K5302
IC #: 3572A-S2300

CELL

Test Laboratory: Kyocera Wireless Corporation

FCC K53-02_S2300 CDMA-800 Ch383 +SCH, Phone Facing Down

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.8, 5.8, 5.8), Calibrated: 8/20/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

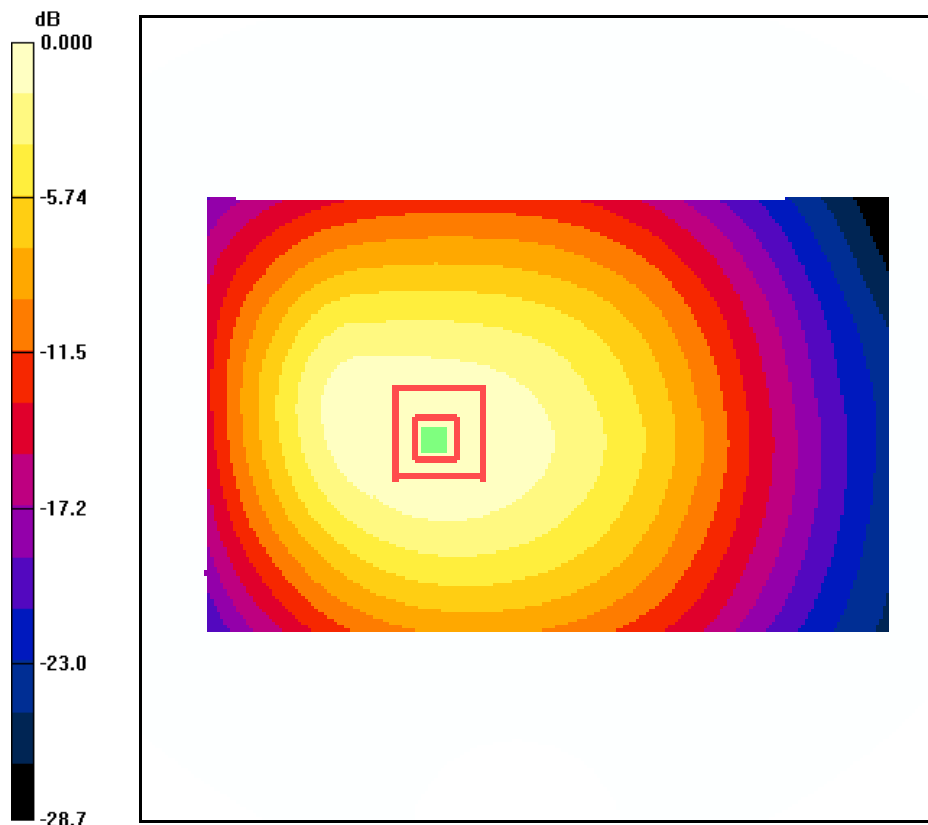
CDMA-800 FLAT Face-Down Ch383 +SCH/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.4 V/m; Power Drift = -0.173 dB

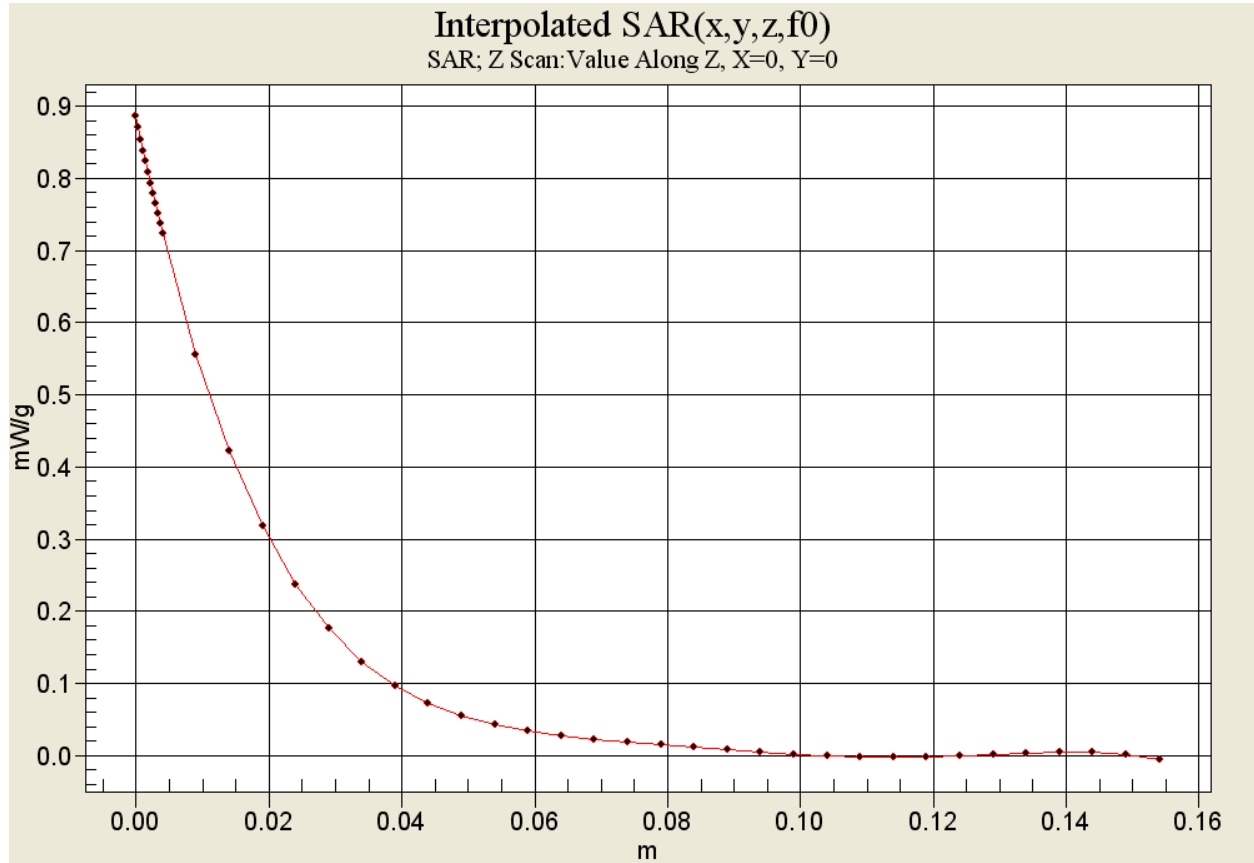
Peak SAR (extrapolated) = 0.947 W/kg

SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.507 mW/g

Maximum value of SAR (measured) = 0.743 mW/g



0 dB = 0.762mW/g



Test Laboratory: Kyocera Wireless Corporation

FCC K53-02_S2300 CDMA-800 Ch383 +SCH, Phone Facing Up

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.8, 5.8, 5.8), Calibrated: 8/20/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

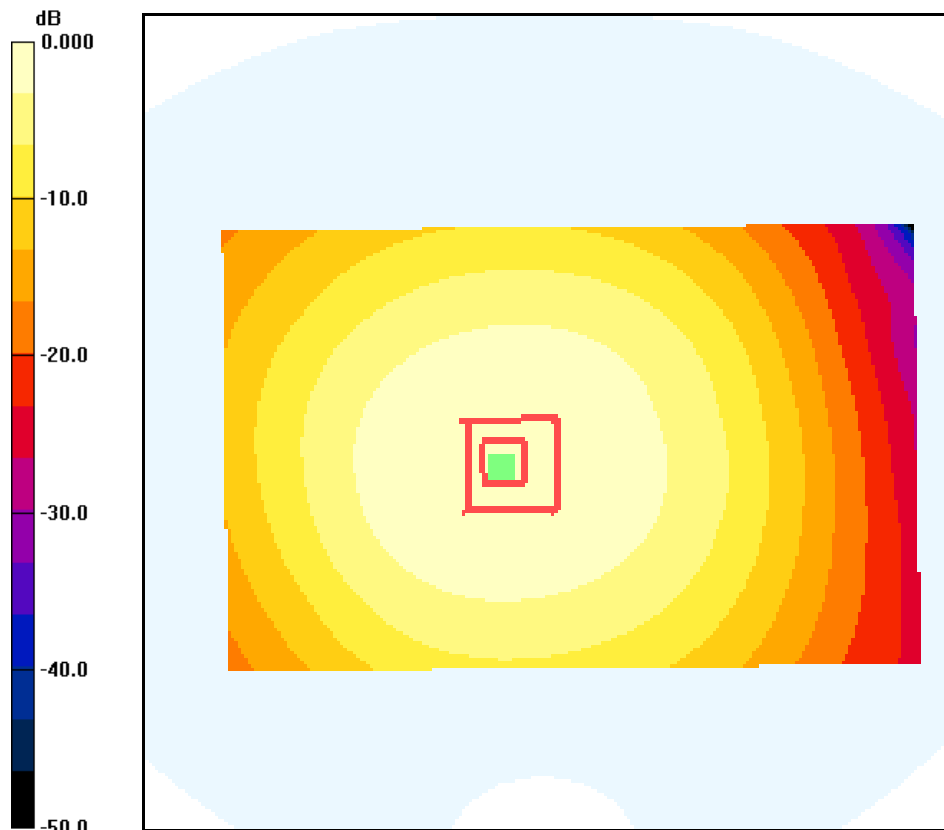
CDMA-800 FLAT Face-Up Ch383 F-SCH/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.9 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.328 mW/g

Maximum value of SAR (measured) = 0.459 mW/g



0 dB = 0.459mW/g

AWS

Test Laboratory: Kyocera Wireless Corporation

FCC K53-02_S2300 CDMA-1700 Ch450 +SCH, Phone Facing Down

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.87, 4.87, 4.87), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

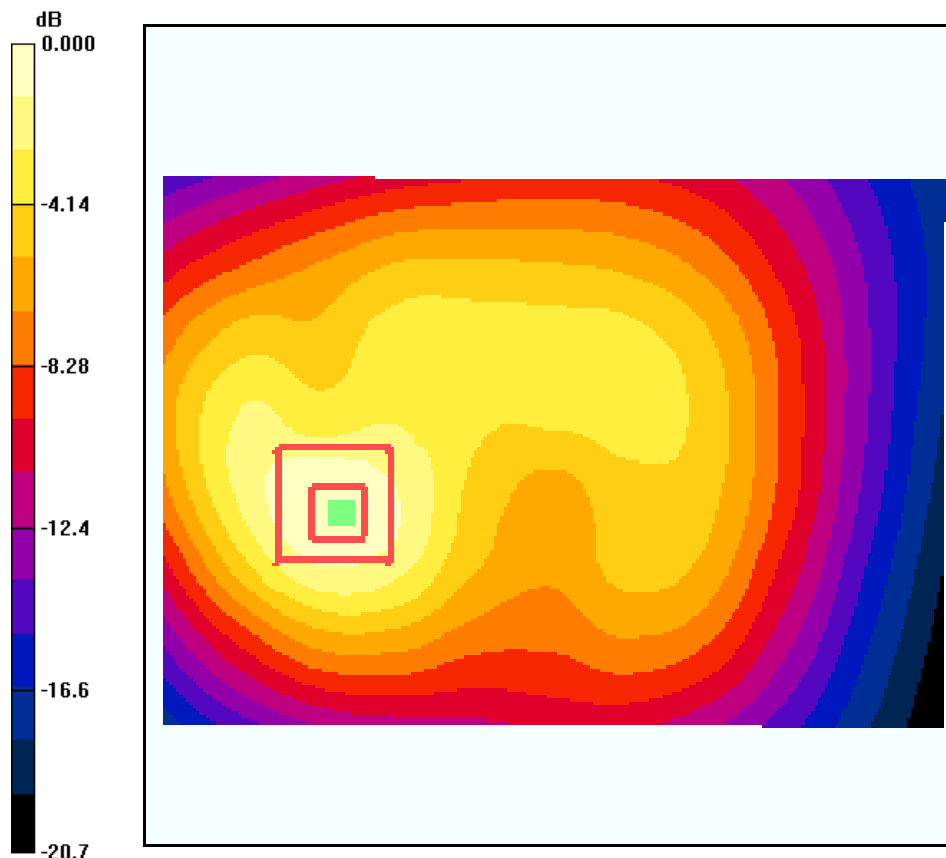
CDMA-1700 FLAT Face-Down Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = -0.031 dB

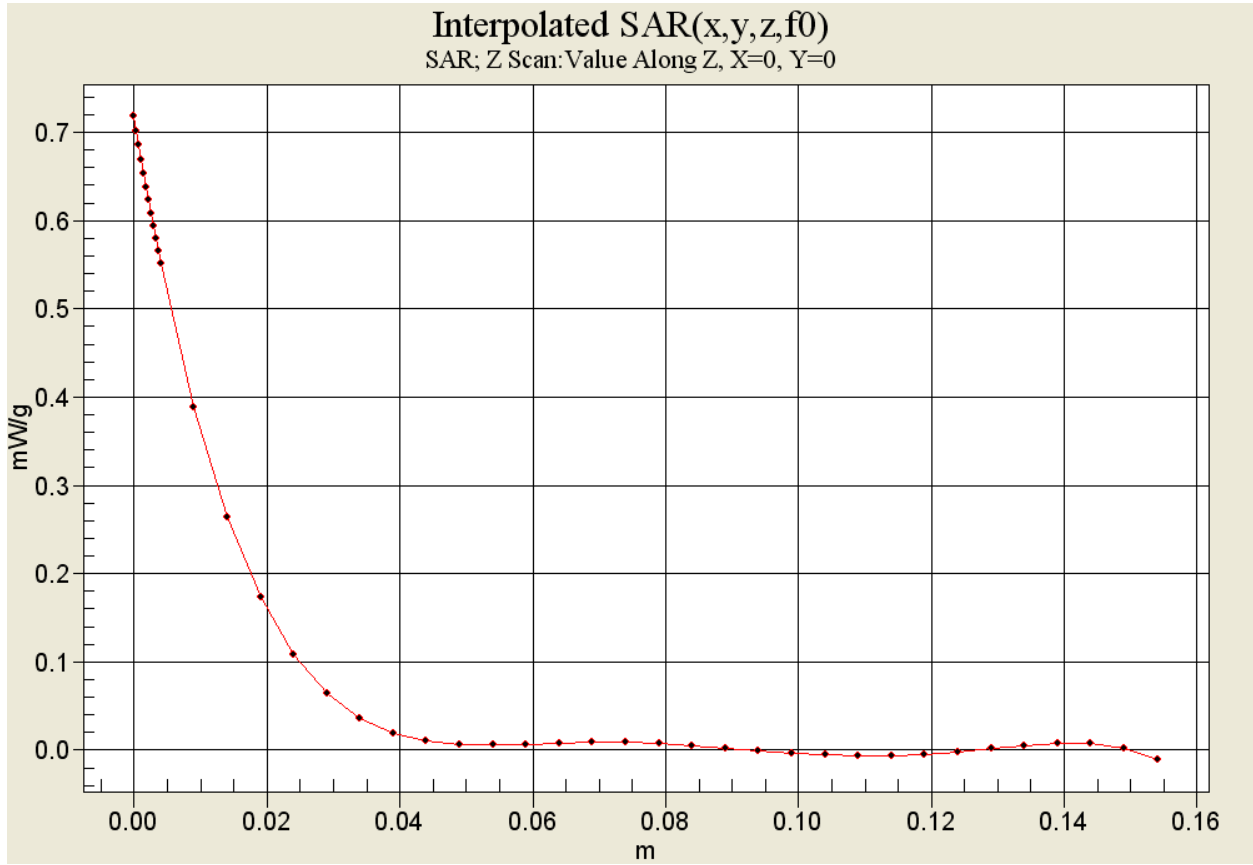
Peak SAR (extrapolated) = 0.667 W/kg

SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.329 mW/g

Maximum value of SAR (measured) = 0.587 mW/g



0 dB = 0.587mW/g



Test Laboratory: Kyocera Wireless Corporation

FCC K53-02_S2300 CDMA-1700 Ch450 +SCH, Phone Facing Up

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.87, 4.87, 4.87), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CDMA-1700 FLAT Face-Up Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.569 W/kg

SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.284 mW/g

Maximum value of SAR (measured) = 0.490 mW/g

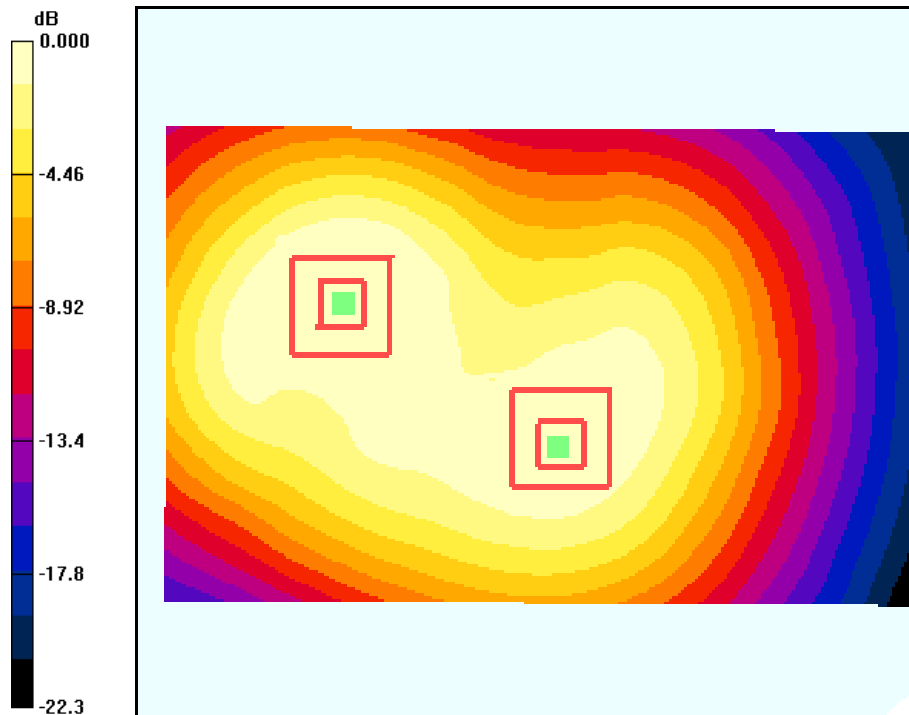
CDMA-1700 FLAT Face-Up Ch450/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.344 mW/g



0 dB = 0.344mW/g



FCC ID: OVF-K5302
IC #: 3572A-S2300

PCS

Test Laboratory: Kyocera Wireless Corporation

FCC K53-02_S2300 CDMA-1900 Ch600 +F-SCH, Phone Facing Down

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.5, 4.5, 4.5), Calibrated: 8/20/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

CDMA-1900 FLAT - Face Down Ch600, +F-SCH/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

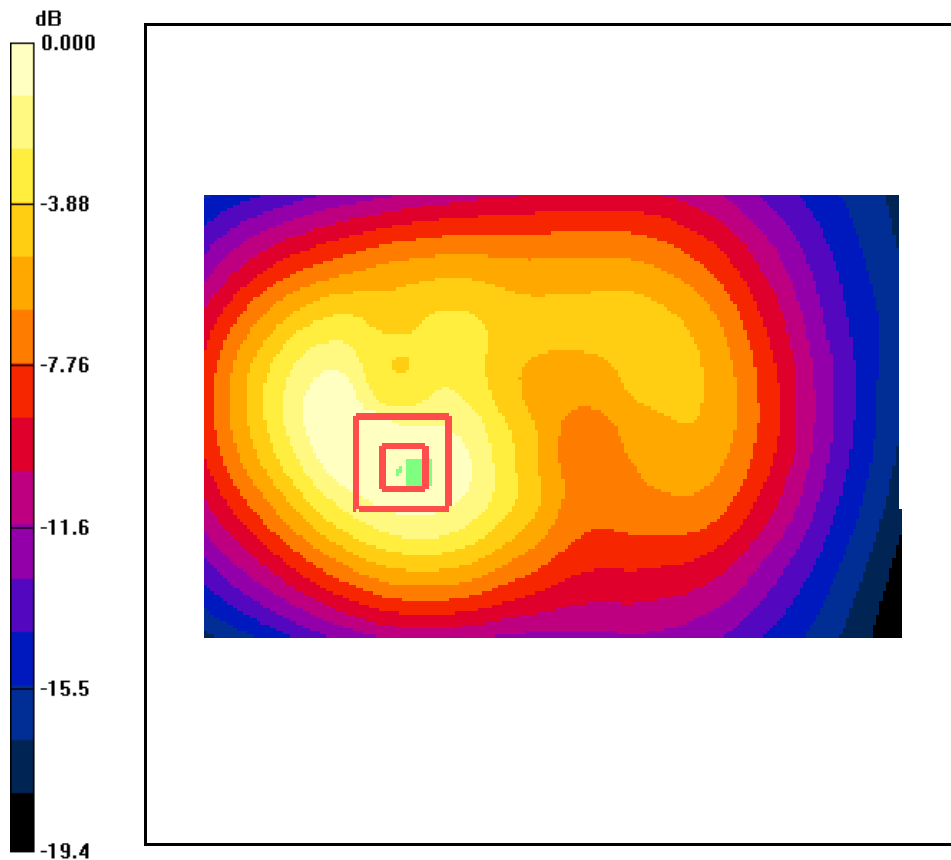
$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.69 V/m; Power Drift = 0.105 dB

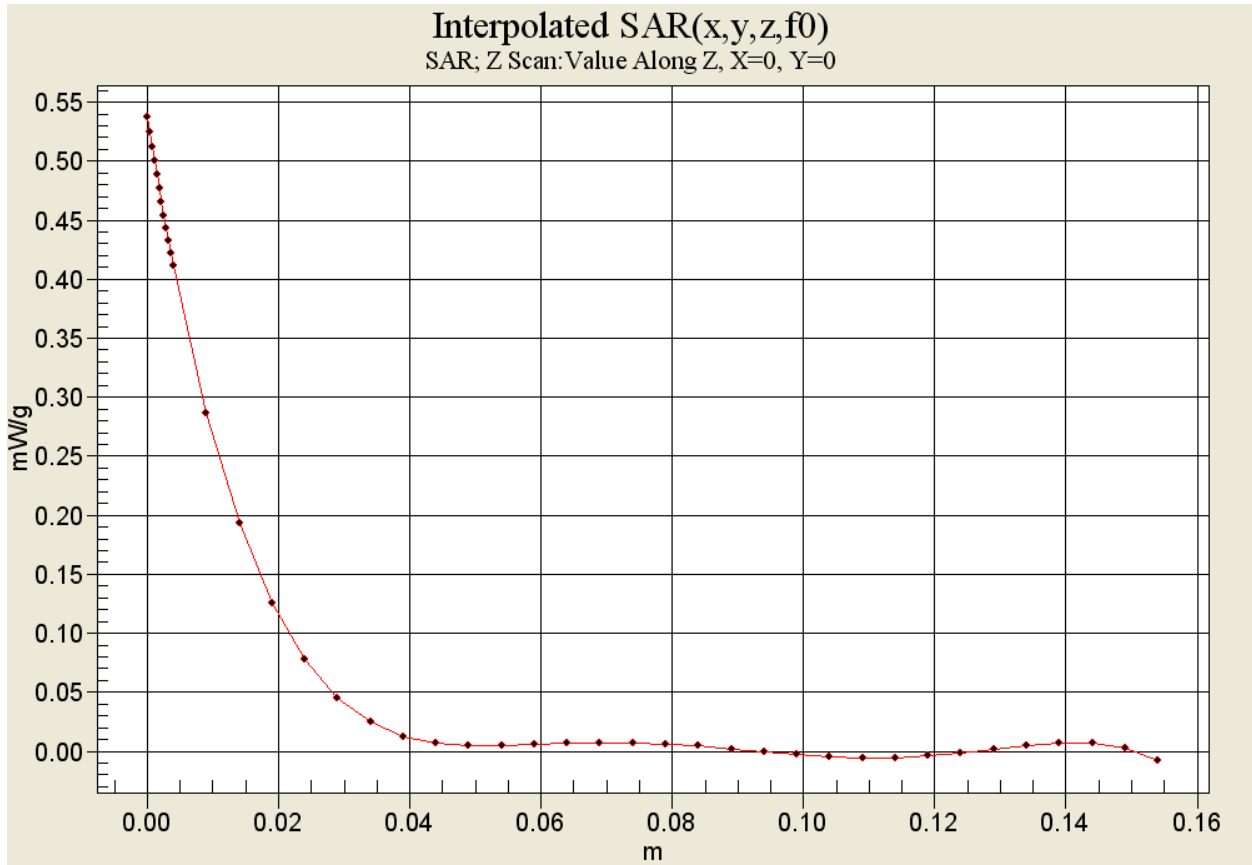
Peak SAR (extrapolated) = 0.628 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.452 mW/g



0 dB = 0.451mW/g



Date: 1/14/2010

Test Laboratory: Kyocera Wireless Corporation

FCC K53-02_S2300 CDMA-1900 Ch600 +F-SCH, Phone Facing Down

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.5, 4.5, 4.5), Calibrated: 8/20/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

CDMA-1900 FLAT - Face Up Ch600, +F-SCH/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.90 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.386 mW/g

