

Applicant	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B2-0711-R0

EXHIBIT 9 APPENDIX B2: SAR DISTRIBUTION PLOTS (BODY)

CELL

Applicant	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/28/2011

FCC K53-02 CDMA-800 (Muscle)_Flat with 15mm Air Space, Face Down Ch.384

Communication System: CDMA-800, Frequency: 836.52 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(6.03, 6.03, 6.03), Calibrated: 5/11/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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 Ch384 SO32/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.744 mW/g

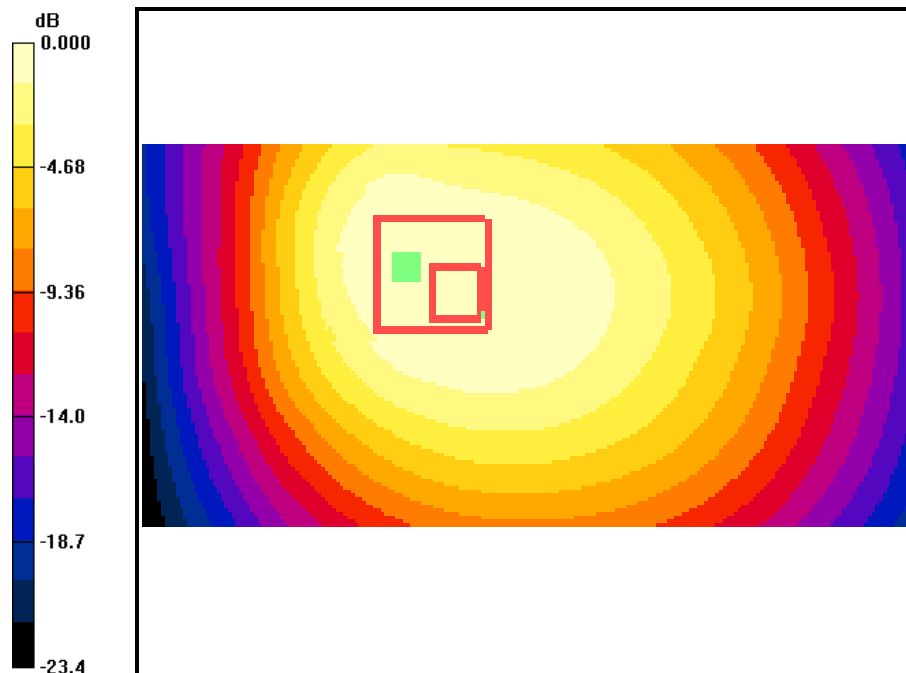
CDMA-800 FLAT Face-Down Ch384 SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.0 V/m; Power Drift = 0.101 dB

Peak SAR (extrapolated) = 0.897 W/kg

SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.454 mW/g

Maximum value of SAR (measured) = 0.684 mW/g

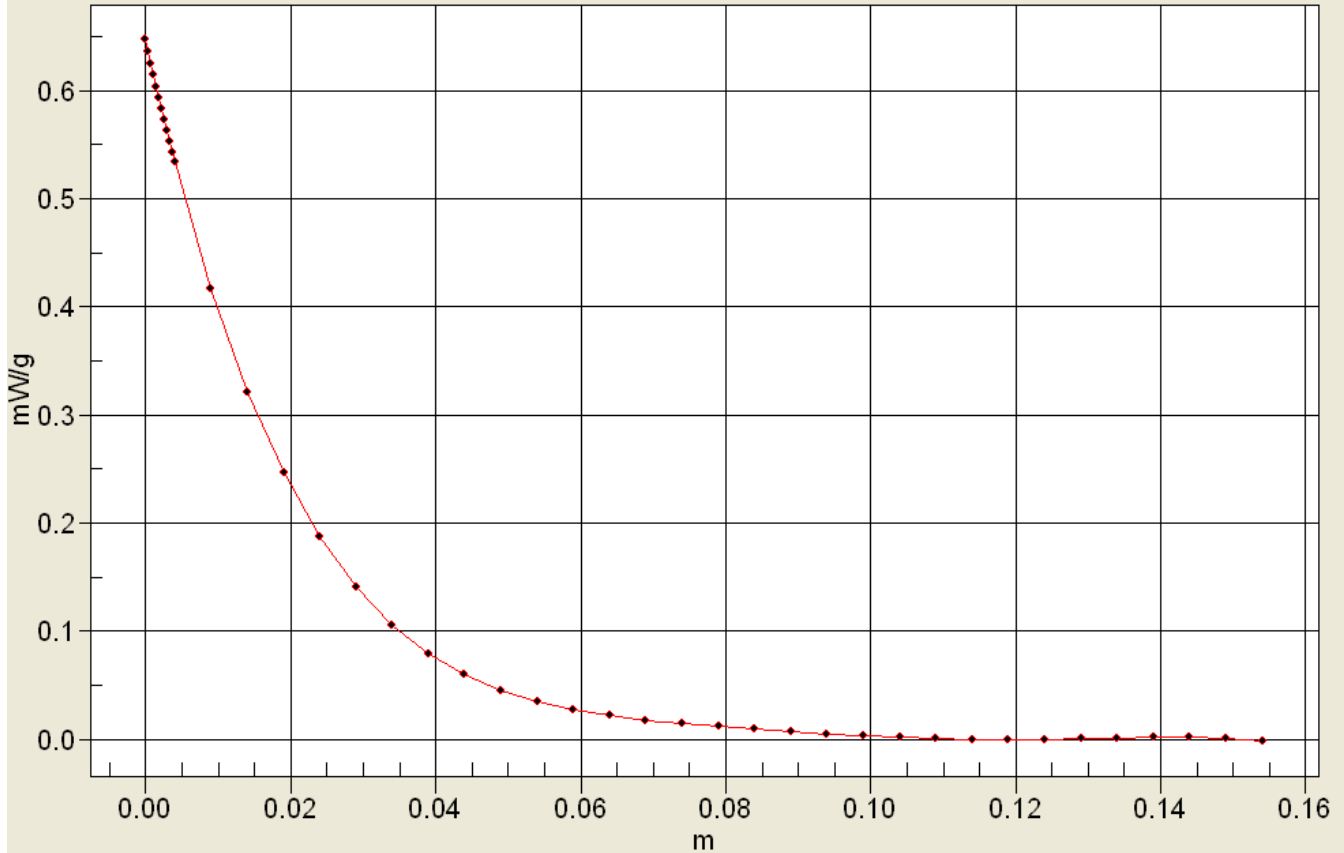


0 dB = 0.684mW/g



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Interpolated SAR(x,y,z,f0)
SAR; Z Scan: Value Along Z, X=0, Y=0



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Date: 07/28/2011

FCC K53-02 CDMA-800 (Muscle)_ Flat with 15mm Air Space, Face Up Ch.384

Communication System: CDMA-800, Frequency: 836.52 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(6.03, 6.03, 6.03), Calibrated: 5/11/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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 Ch384 SO32/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.532 mW/g

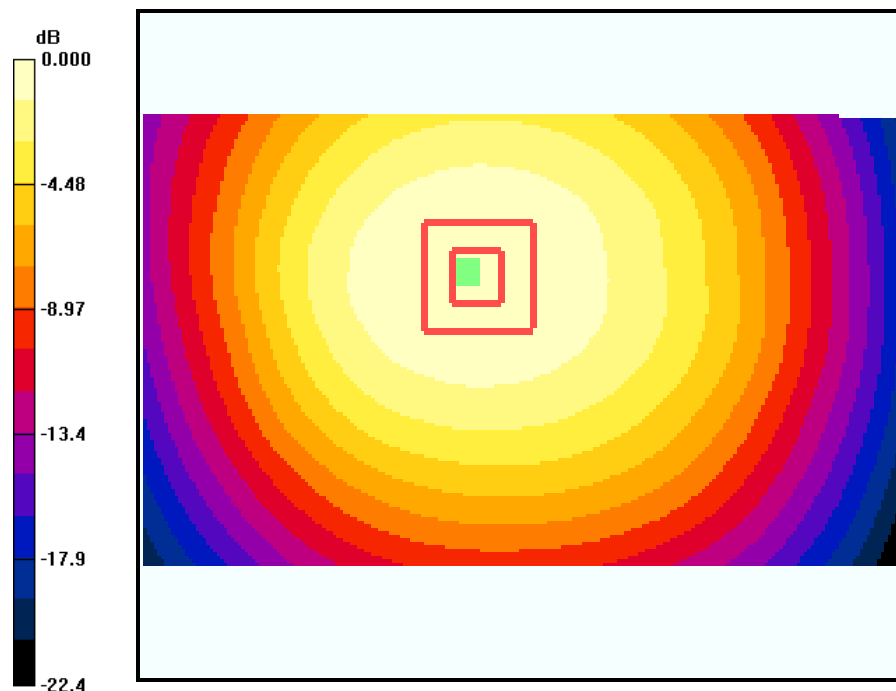
CDMA-800 FLAT Face-Up Ch384 SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.5 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.650 W/kg

SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.374 mW/g

Maximum value of SAR (measured) = 0.527 mW/g



0 dB = 0.527mW/g

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AWS

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Test Laboratory: Comptest/Kyocera

Date: 08/02/2011

FCC K5302 CDMA-1700 (Muscle) Flat with 15mm Air Space, Face Down Ch.25

Communication System: AWS-1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated): $f = 1711.25$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.79, 4.79, 4.79), Calibrated: 5/11/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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 Ch25 SO32/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.822 mW/g

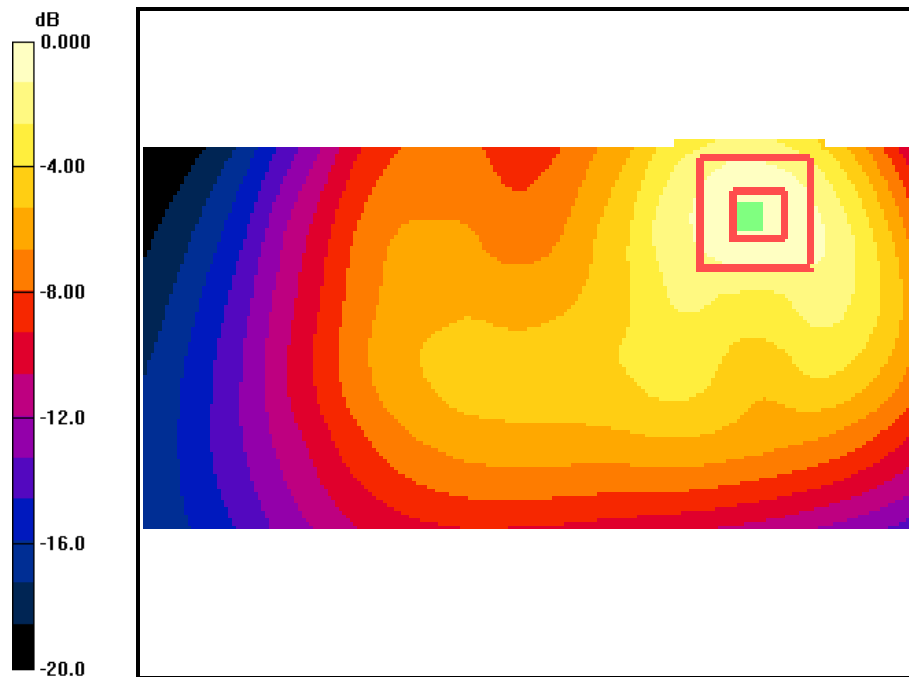
CDMA-1700 FLAT Face-Down Ch25 SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.448 mW/g

Maximum value of SAR (measured) = 0.826 mW/g



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Date: 08/02/2011

FCC K5302 CDMA-1700 (Muscle)_ Flat with 15mm Air Space, Face Down Ch.450

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

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

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.79, 4.79, 4.79), Calibrated: 5/11/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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 SO32/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.935 mW/g

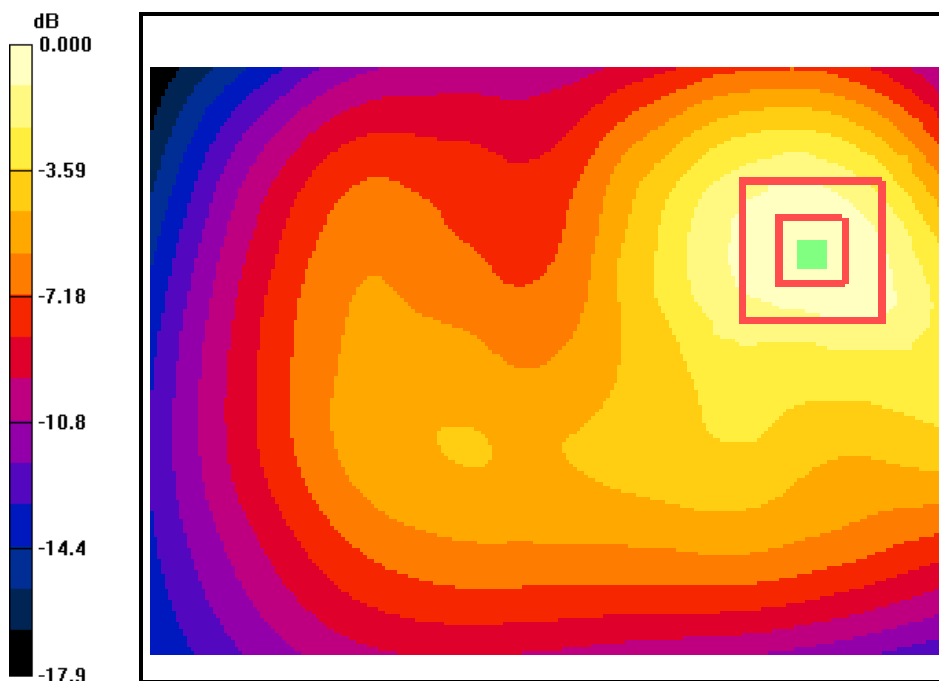
CDMA-1700 FLAT Face-Down Ch450 SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.181 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.495 mW/g

Maximum value of SAR (measured) = 0.911 mW/g



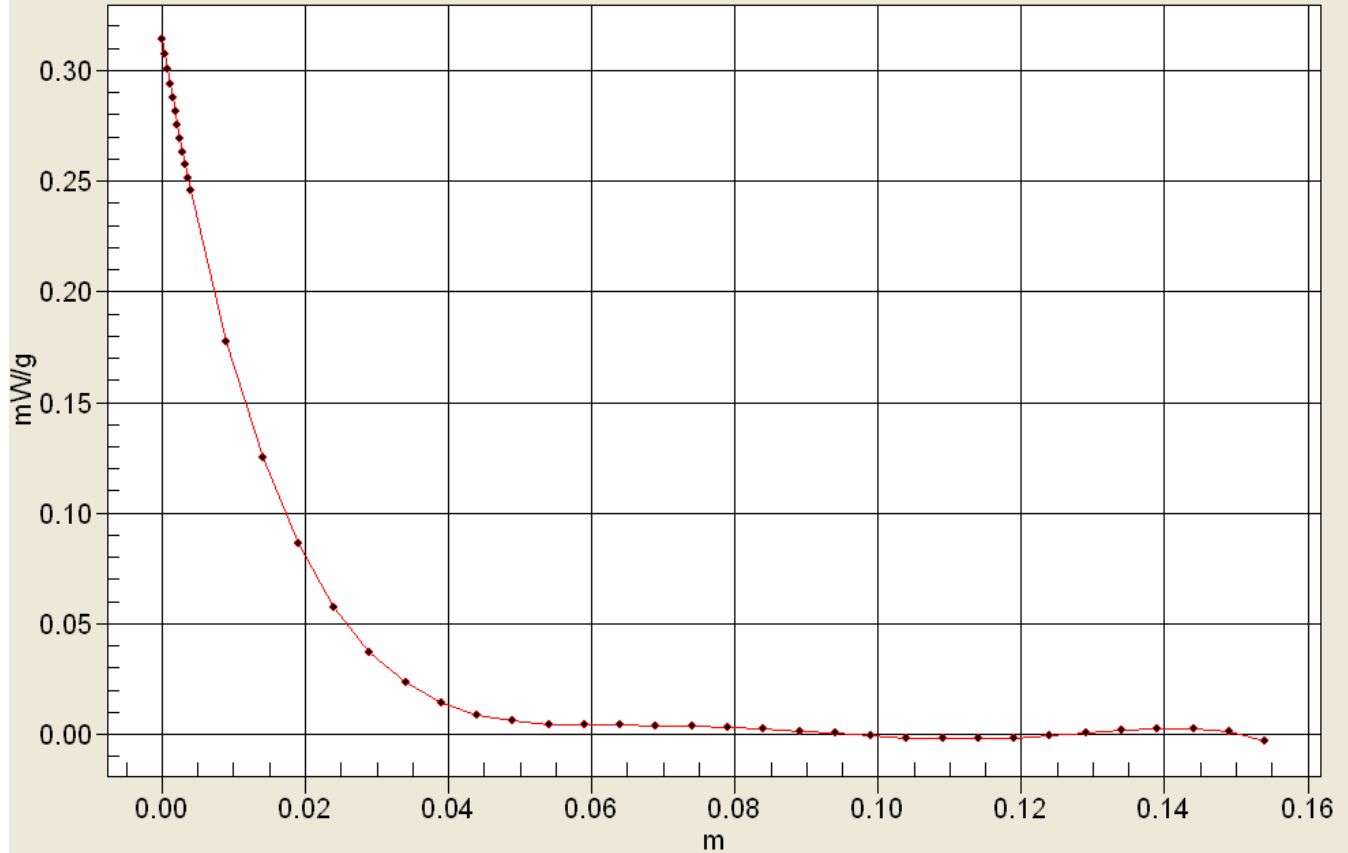
0 dB = 0.911mW/g



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Interpolated SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



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Test Laboratory: Comptest/Kyocera

Date: 08/02/2011

FCC K53-02 CDMA-1700 (Muscle)_Flat with 15mm Air Space, Face Down Ch.875

Communication System: AWS-1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated): $f = 1753.75$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.79, 4.79, 4.79), Calibrated: 5/11/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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 Ch875 SO32/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.817 mW/g

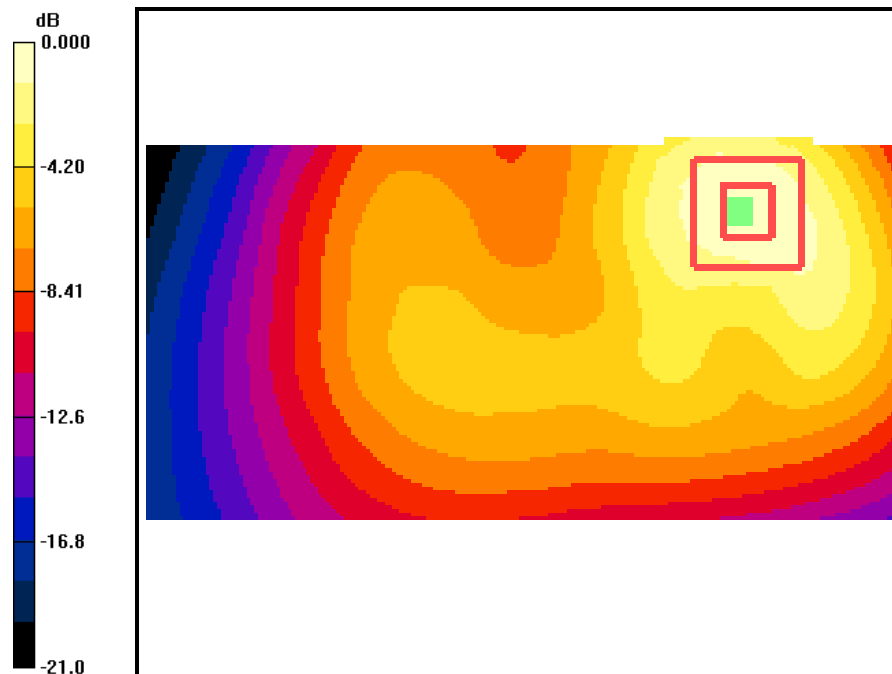
CDMA-1700 FLAT Face-Down Ch875 SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.436 mW/g

Maximum value of SAR (measured) = 0.814 mW/g



0 dB = 0.814mW/g

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Test Laboratory: Comptest/Kyocera

Date: 08/02/2011

FCC K5302 CDMA-1700 (Muscle) Flat with 15mm Air Space, Face Up Ch.450

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

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

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.79, 4.79, 4.79), Calibrated: 5/11/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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 SO32/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.615 mW/g

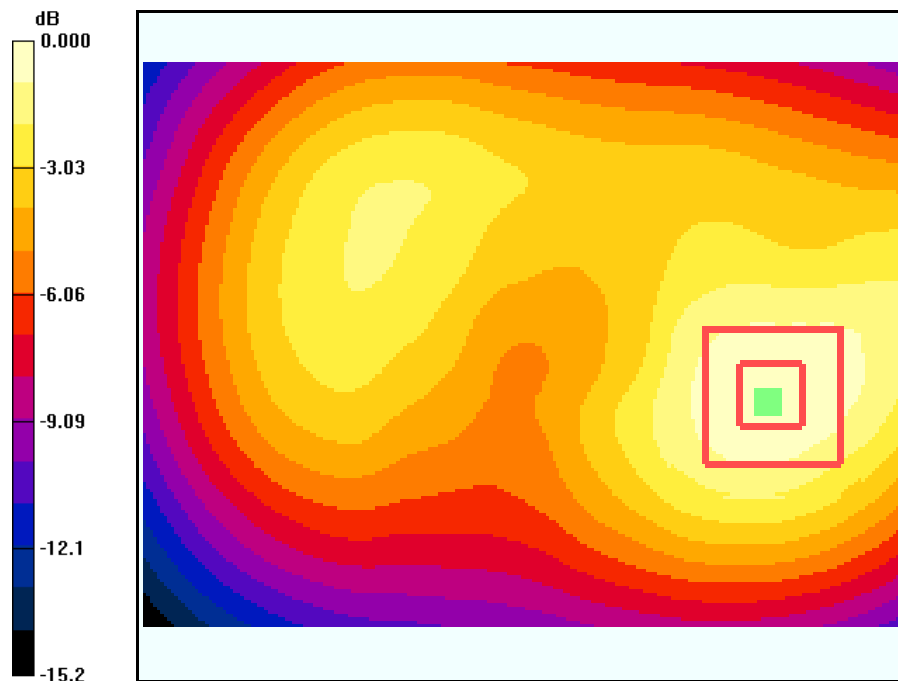
CDMA-1700 FLAT Face-Up Ch450 SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 0.850 W/kg

SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.344 mW/g

Maximum value of SAR (measured) = 0.596 mW/g



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PCS

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Test Laboratory: Comptest/Kyocera

Date: 07/25/2011

FCC K53-02 CDMA-1900 (Muscle) Flat with 15mm Air Space , Face Down Ch. 600

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

Medium: Muscle 1900Mhz, Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(4.5, 4.5, 4.5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 5/5/2011

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 Ch600 Face down/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.439 mW/g

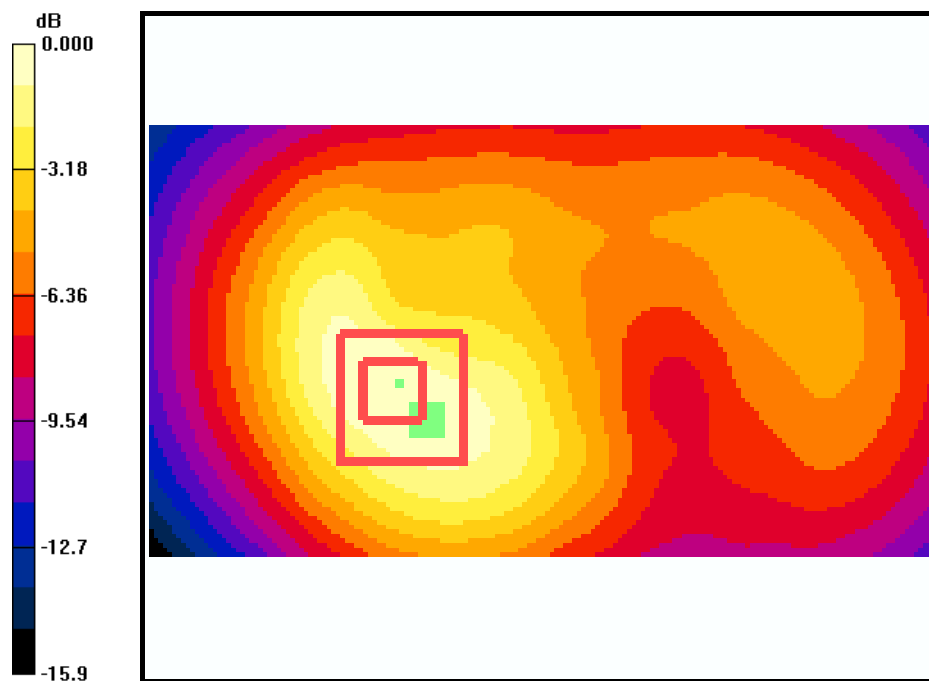
CDMA-1900 FLAT Ch600 Face down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.25 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.605 W/kg

SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.242 mW/g

Maximum value of SAR (measured) = 0.435 mW/g



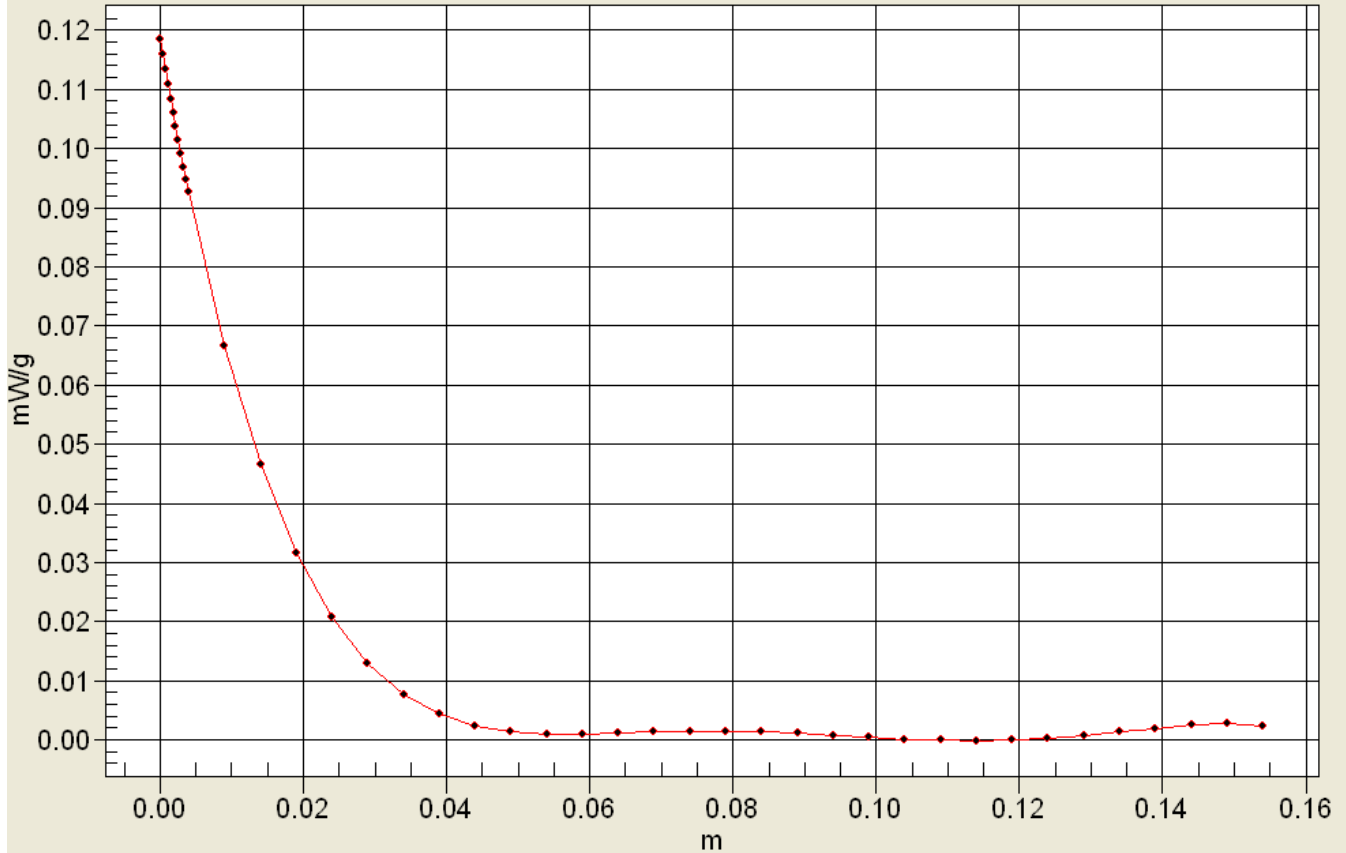
0 dB = 0.435mW/g



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Interpolated SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



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Test Laboratory: Comptest/Kyocera

Date: 07/25/2011

FCC K53-02 CDMA-1900 (Muscle) Flat with 15mm Air Space, Face Up Ch. 600

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

Medium: Muscle 1900MHz, Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(4.5, 4.5, 4.5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 5/5/2011

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 Ch600 Face Up/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.334 mW/g

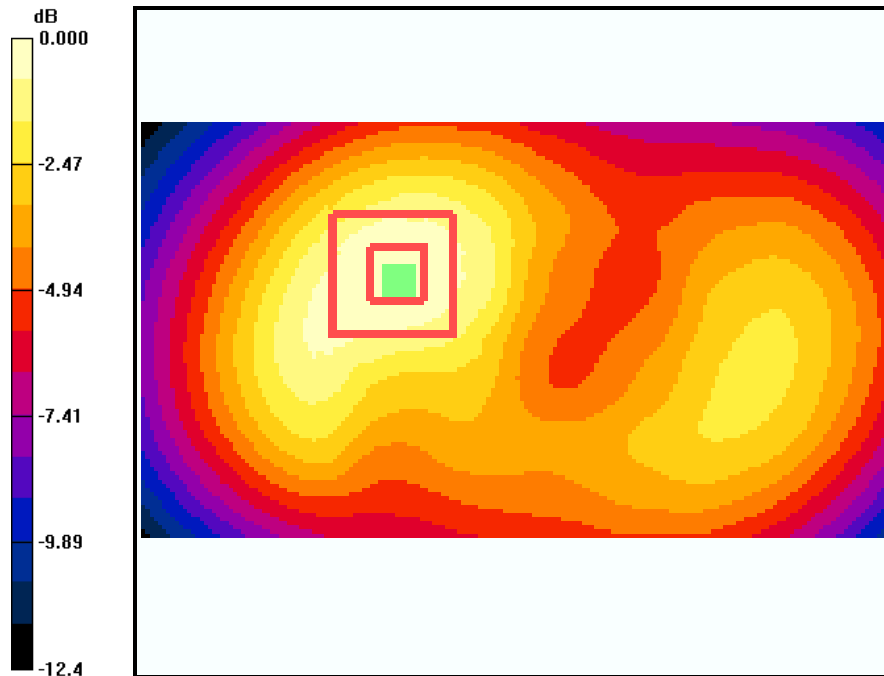
CDMA-1900 FLAT Ch600 Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.03 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.192 mW/g

Maximum value of SAR (measured) = 0.330 mW/g



0 dB = 0.330mW/g