

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

EXHIBIT 9 Appendix B1: SAR DISTRIBUTION PLOTS (HEAD)

Cell

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/21/2011

FCC K53-02 CDMA-800 Left,Ch.383, Left Cheek

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

Medium: Head 835 MHz, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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-800 Ch383 LC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.708 mW/g

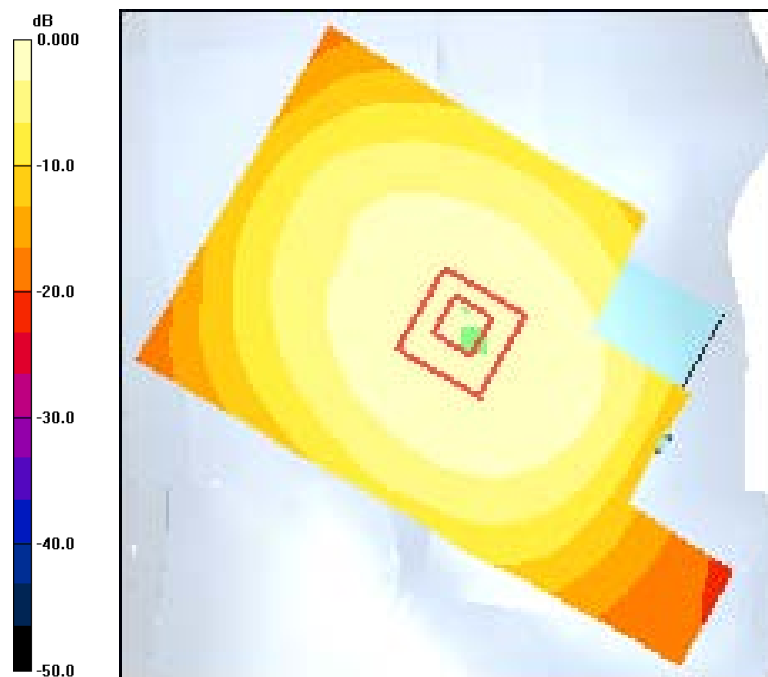
CDMA-800 Ch383 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.823 W/kg

SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.503 mW/g

Maximum value of SAR (measured) = 0.699 mW/g

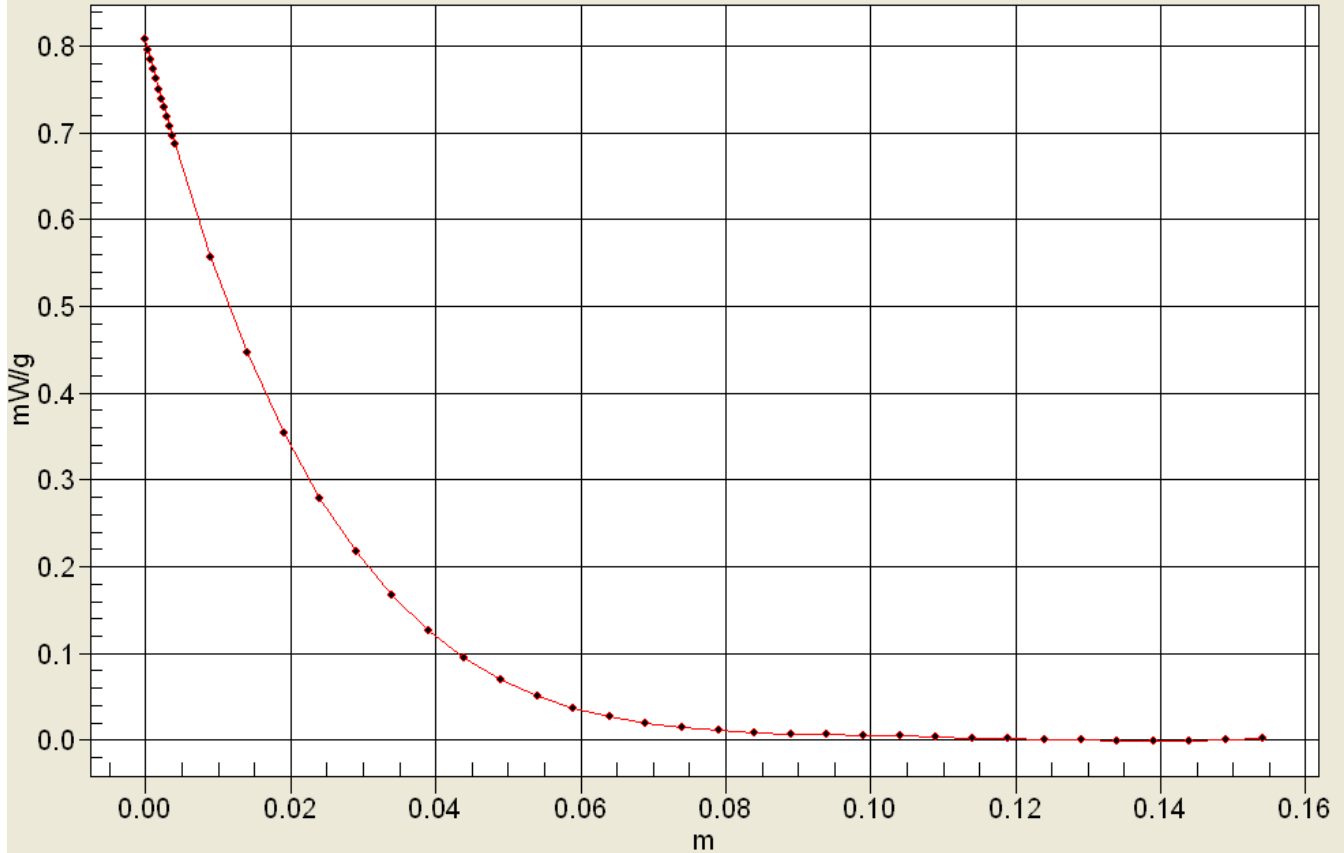


0 dB = 0.699mW/g



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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: 7/21/2011

FCC K53-02 CDMA-800 Left, Ch.383, Left Tilt

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

Medium: Head 835 MHz, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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-800 Ch383 LT/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.385 mW/g

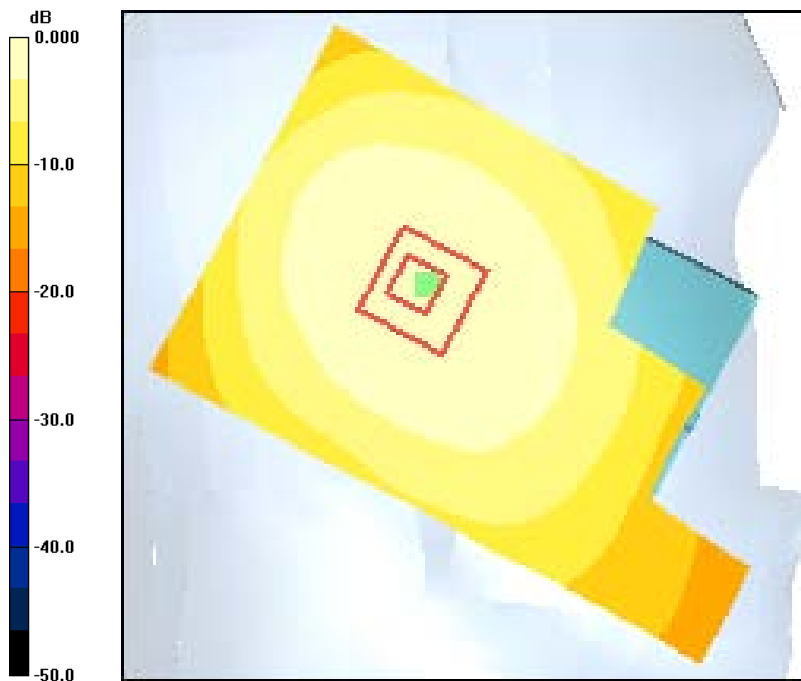
CDMA-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 0.388 mW/g



0 dB = 0.388mW/g

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Date: 7/21/2011

FCC K53-02 CDMA-800 Right, Ch.1013, Right Cheek

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (interpolated): $f = 824.7 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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 = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

CDMA-800 Ch1013 RC/Area Scan (111x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.975 mW/g

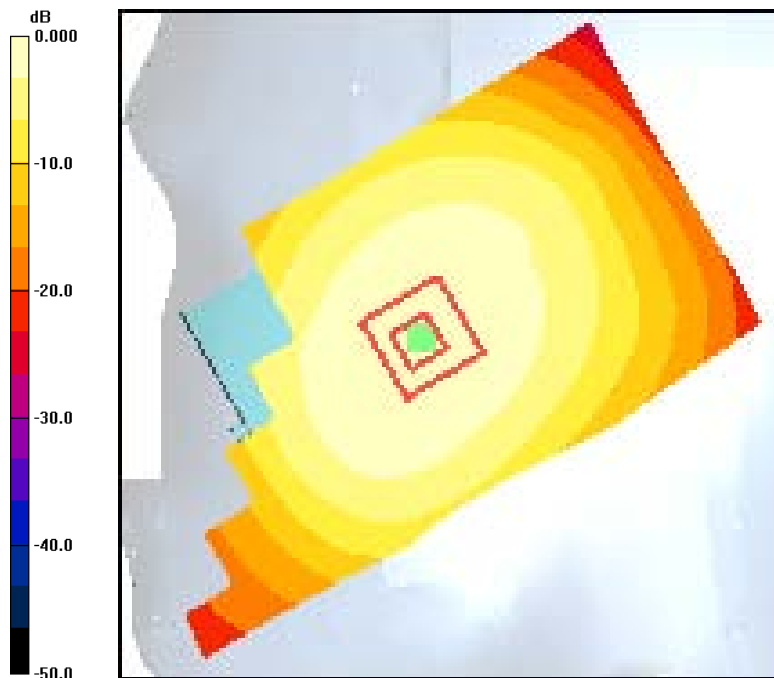
CDMA-800 Ch1013 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.5 V/m; Power Drift = 0.139 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.697 mW/g

Maximum value of SAR (measured) = 0.983 mW/g



0 dB = 0.983mW/g

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Date: 7/21/2011

FCC K53-02 CDMA-800 Right, Ch.384, Right Cheek

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

Medium: Head 835 MHz, Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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-800 Ch384 RC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.892 mW/g

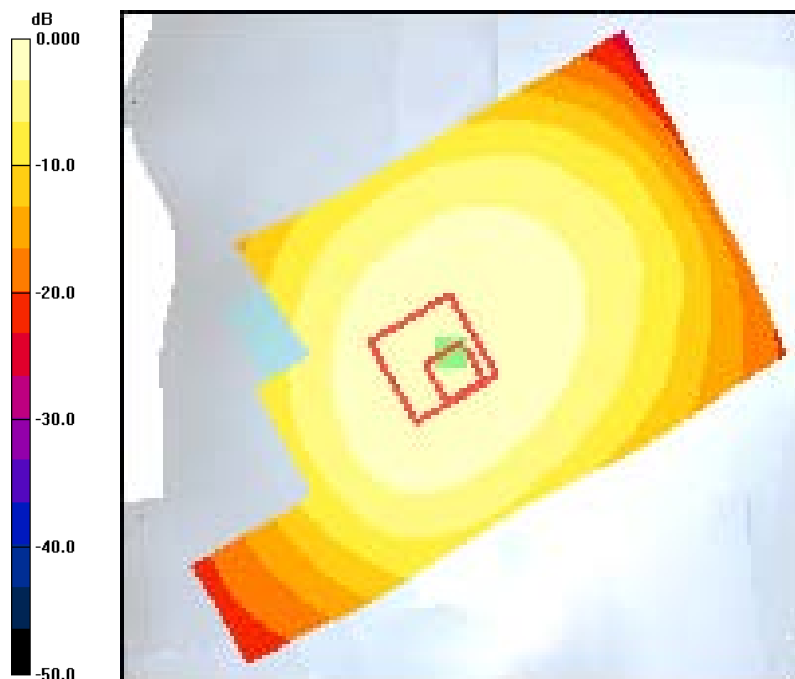
CDMA-800 Ch384 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.619 mW/g

Maximum value of SAR (measured) = 0.868 mW/g



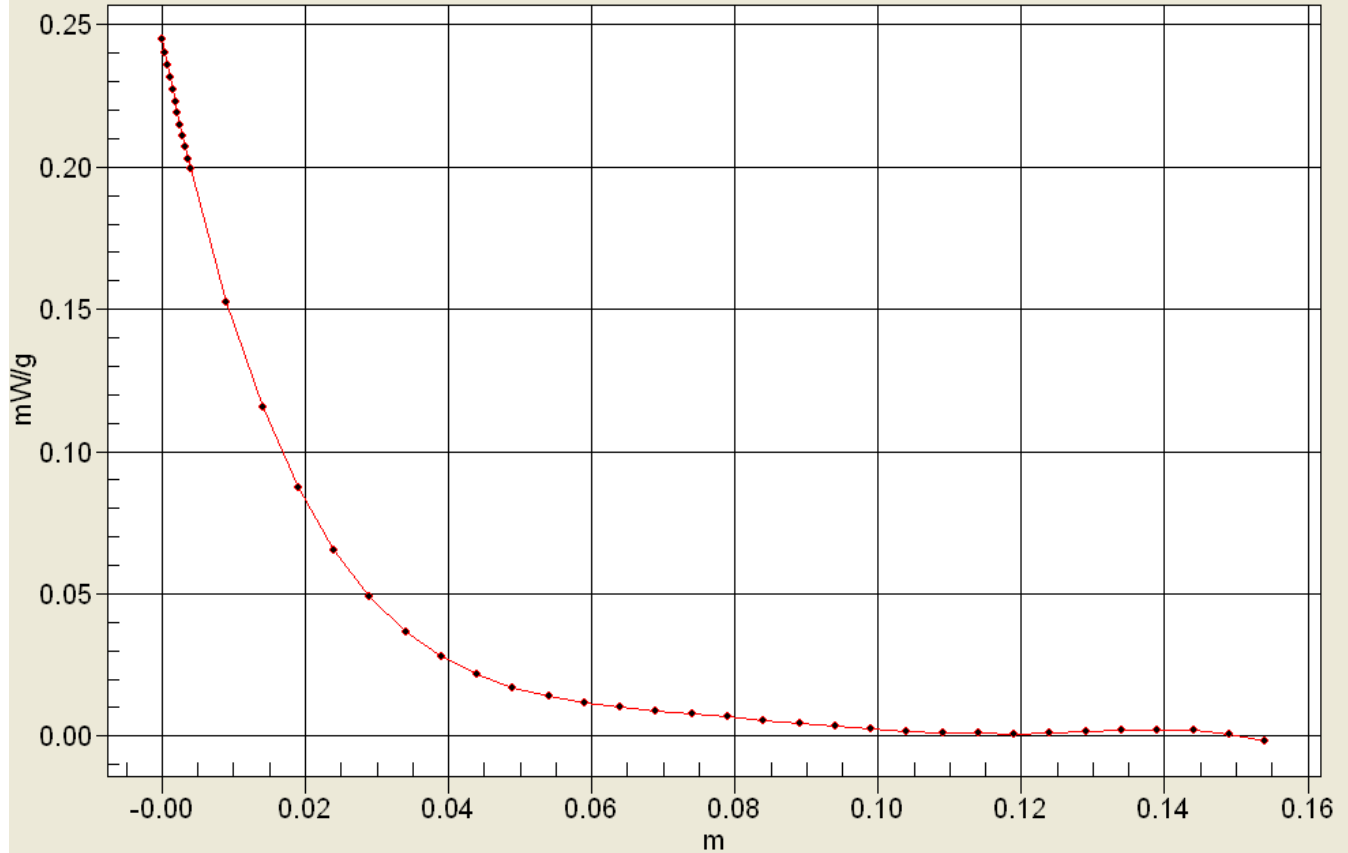
0 dB = 0.868mW/g



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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: 7/21/2011

FCC K53-02 CDMA-800 Right, Ch.777, Right Cheek

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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-800 Ch777 RC/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.09 mW/g

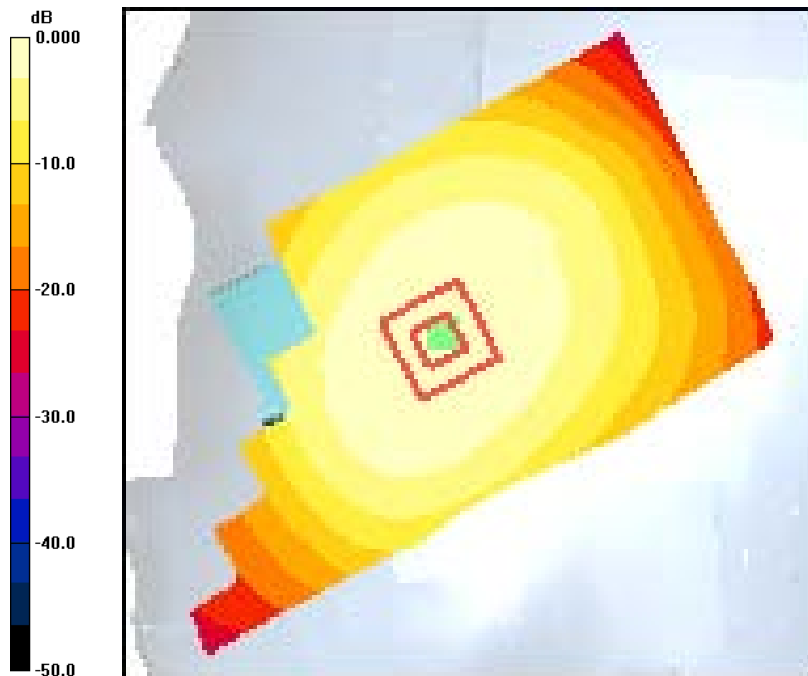
CDMA-800 Ch777 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.765 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07mW/g

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Date: 7/21/2011

FCC K53-02 CDMA-800 Right, Ch.384, Right Tilt

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

Medium: Head 835 MHz, Medium parameters used (interpolated): $f = 836.52 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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 = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

CDMA-800 Ch384 RT/Area Scan (111x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.432 mW/g

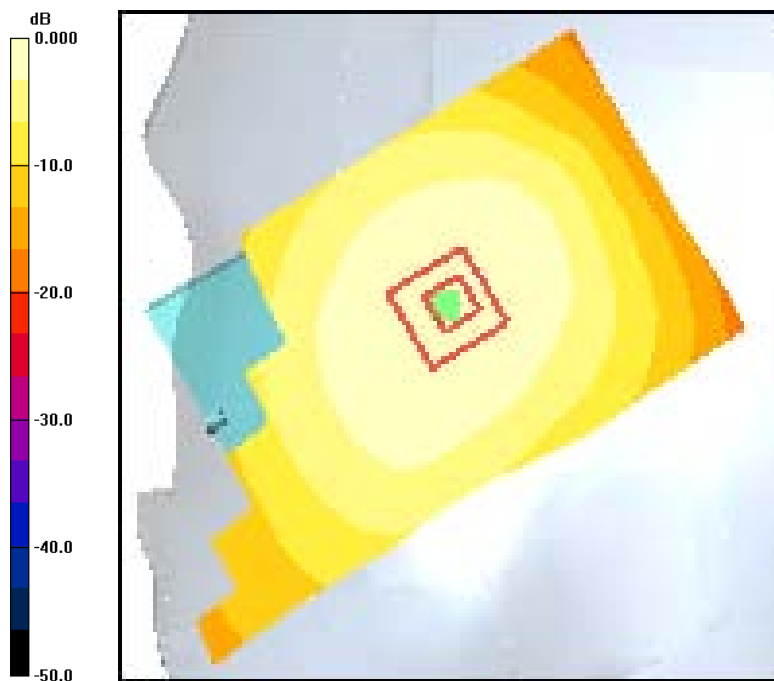
CDMA-800 Ch384 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.4 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.533 W/kg

SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.301 mW/g

Maximum value of SAR (measured) = 0.437 mW/g



0 dB = 0.437mW/g

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AWS

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Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 8/01/2011

FCC K53-02 CDMA-1700 Left, Ch.25, Left Cheek

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

Medium: HSL1700, Medium parameters used (interpolated): $f = 1711.25$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.32, 5.32, 5.32), 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_Ch25 LC/Area Scan (121x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.22 mW/g

CDMA-1700_Ch25 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.676 mW/g

Maximum value of SAR (measured) = 1.24 mW/g

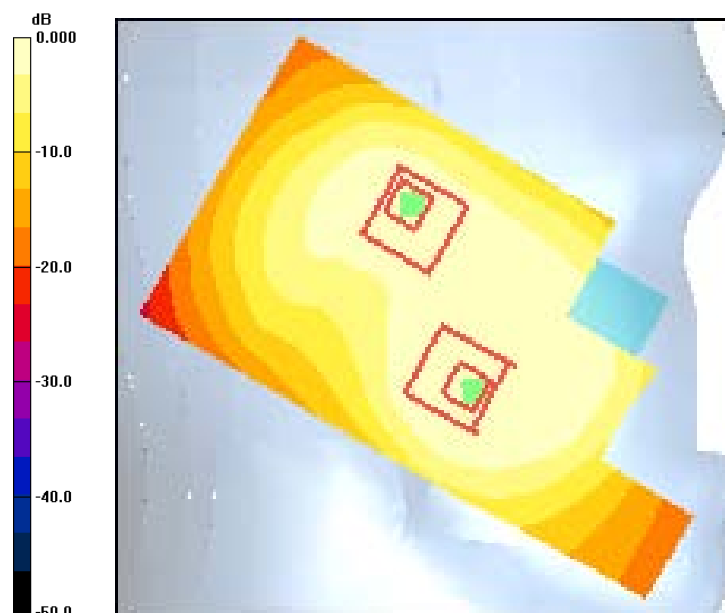
CDMA-1700_Ch25 LC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.477 mW/g

Maximum value of SAR (measured) = 0.833 mW/g



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0 dB = 0.833mW/g

Test Laboratory: Comptest/Kyocera

Date: 8/01/2011

FCC K53-02 CDMA-1700 Left, Ch.450, Left Cheek

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

Medium: HSL1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.32, 5.32, 5.32), 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 = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

CDMA-1700_Ch450 LC/Area Scan (121x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.39 mW/g

CDMA-1700_Ch450 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = -0.135 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.752 mW/g

Maximum value of SAR (measured) = 1.35 mW/g

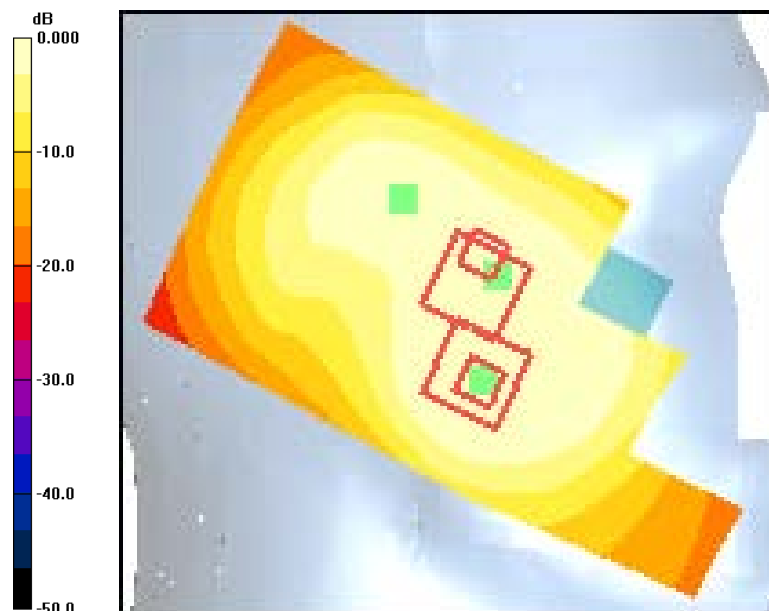
CDMA-1700_Ch450 LC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = -0.135 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.553 mW/g

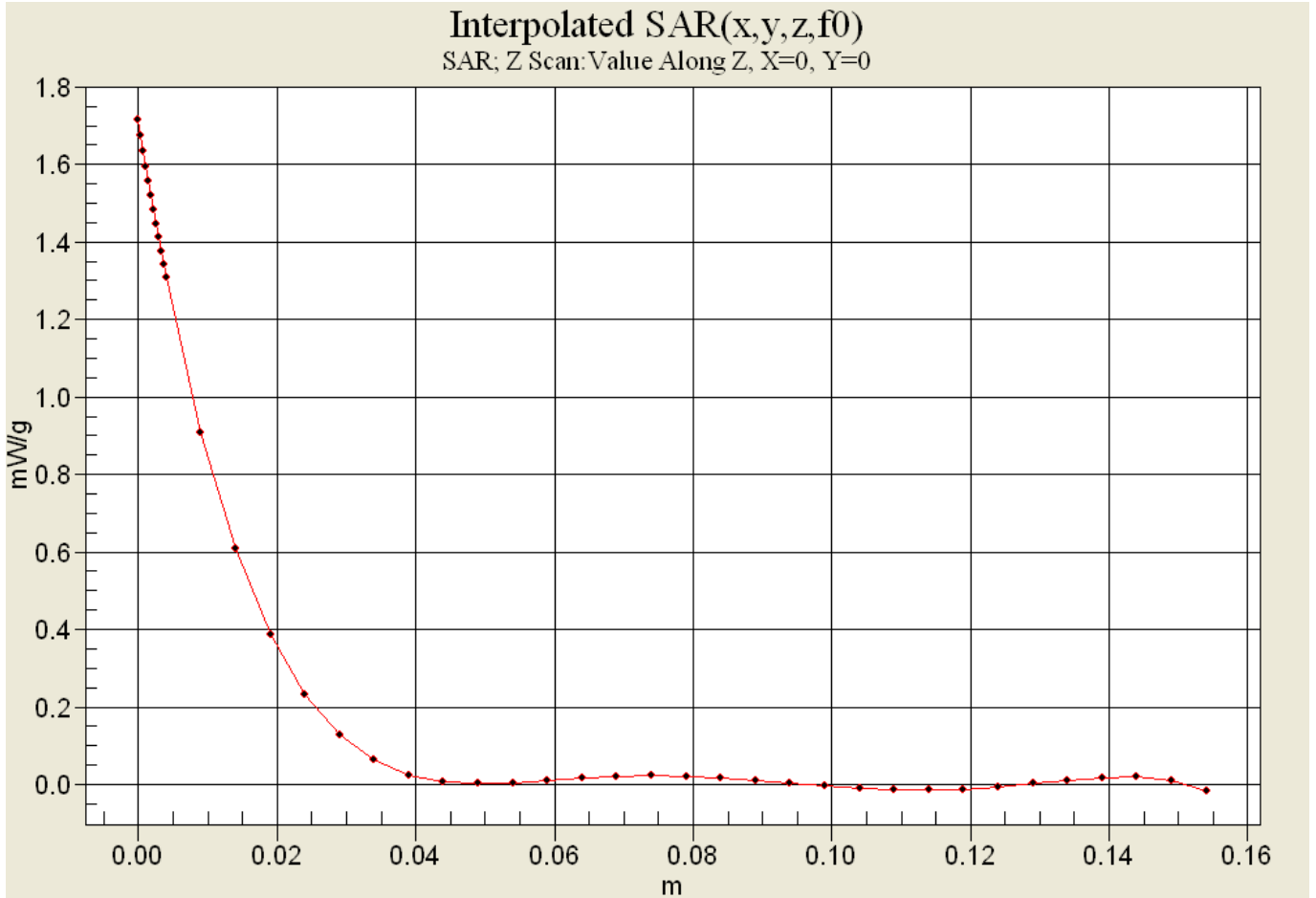
Maximum value of SAR (measured) = 0.999 mW/g





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0 dB = 0.999mW/g



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Test Laboratory: Comptest/Kyocera

Date: 8/01/2011

FCC K53-02 CDMA-1700 Left, Ch.875, Left Cheek

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

Medium: HSL1700, Medium parameters used: $f = 1754$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.32, 5.32, 5.32), 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_Ch875 LC/Area Scan (121x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.24 mW/g

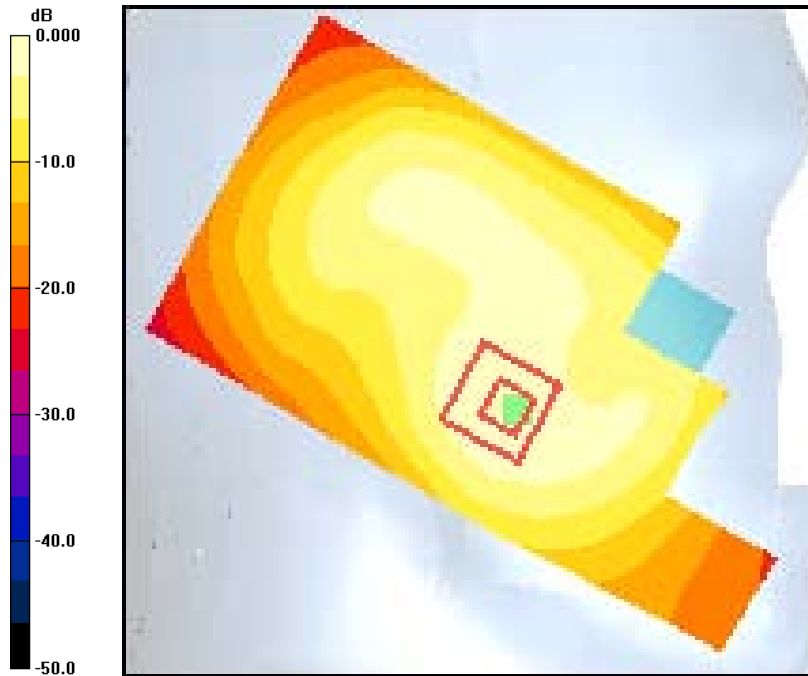
CDMA-1700_Ch875 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.690 mW/g

Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26mW/g

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Test Laboratory: Comptest/Kyocera

Date: 8/01/2011

FCC K53-02 CDMA-1700 Left, Ch.450, Left Tilt.

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

Medium: HSL1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.32, 5.32, 5.32), 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_CH450 LT/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.650 mW/g

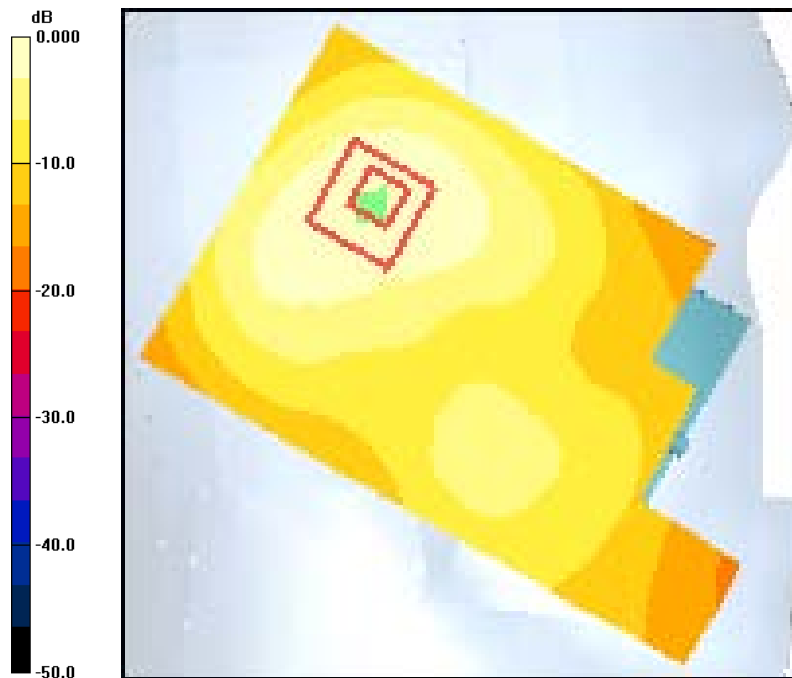
CDMA-1700_CH450 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.7 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 0.877 W/kg

SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.374 mW/g

Maximum value of SAR (measured) = 0.640 mW/g



0 dB = 0.640mW/g

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Date: 8/01/2011

FCC K53-02 CDMA-1700 Right, Ch.25, Right Cheek

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

Medium: HSL1700, Medium parameters used (interpolated): $f = 1711.25$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.32, 5.32, 5.32), 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 Ch25 RC/Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.13 mW/g

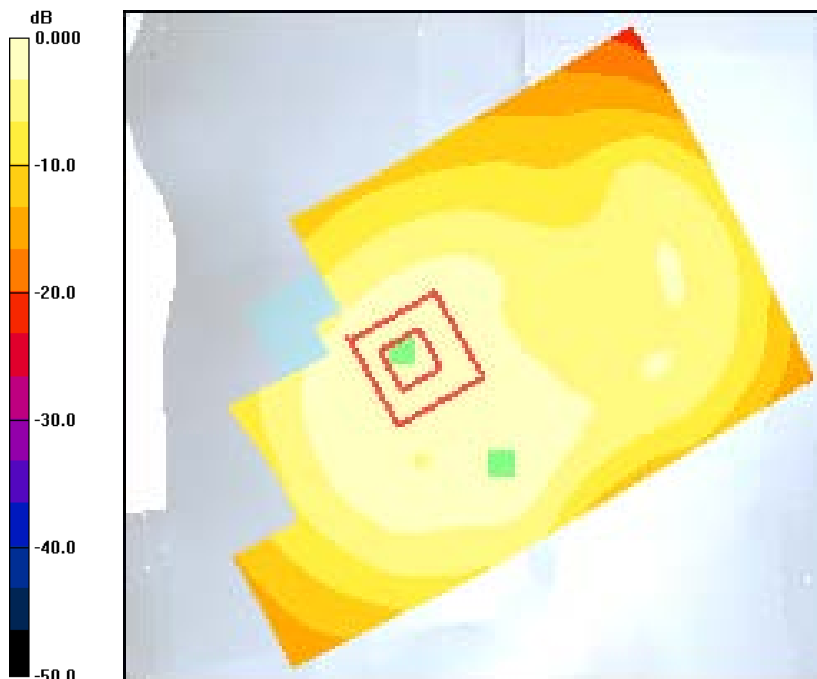
CDMA-1700 Ch25 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = 0.115 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.639 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12mW/g

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Date: 8/01/2011

FCC K53-02 CDMA-1700 Right, Ch.450, Right Cheek

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

Medium: HSL1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.32, 5.32, 5.32), 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 Ch450 RC closed/Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.39 mW/g

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

Reference Value = 20.3 V/m; Power Drift = -0.195 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.788 mW/g

Maximum value of SAR (measured) = 1.39 mW/g

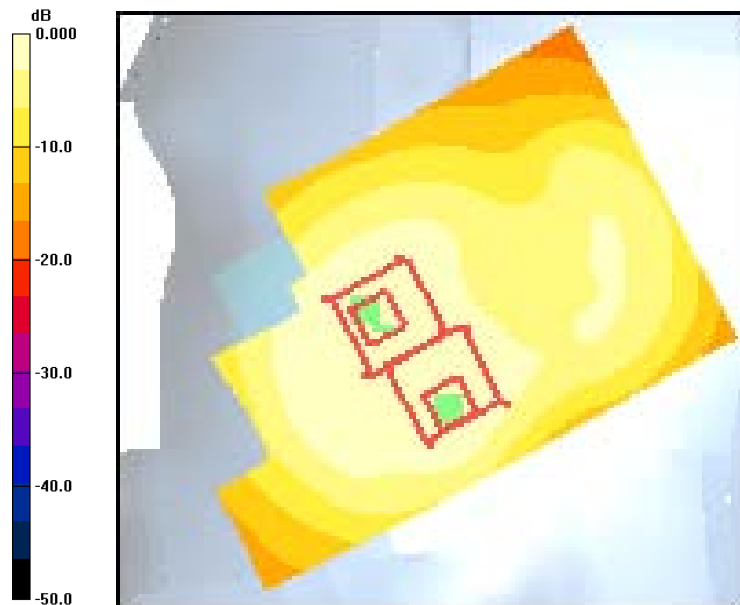
CDMA-1700 Ch450 RC closed/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = -0.195 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.645 mW/g

Maximum value of SAR (measured) = 1.21 mW/g

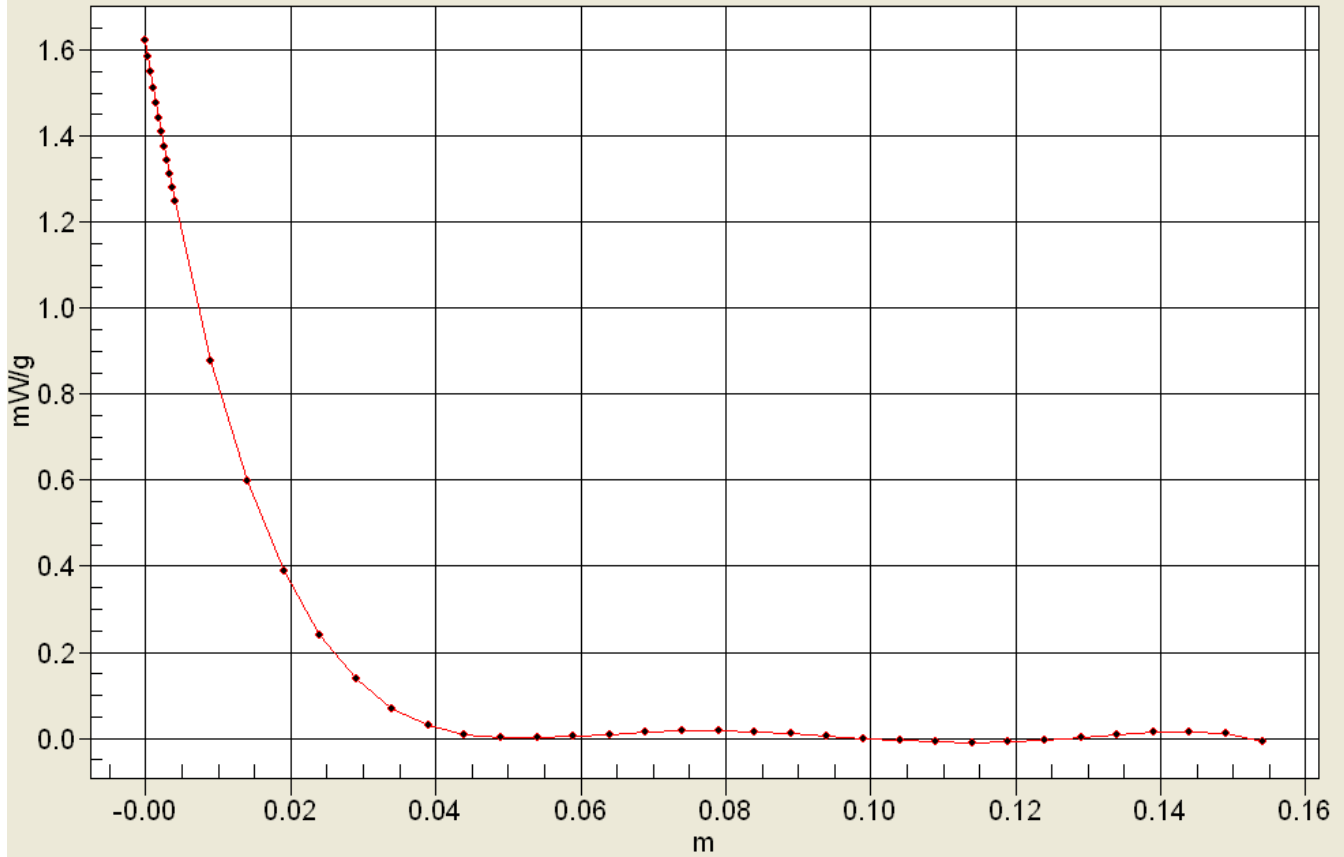


0 dB = 1.21mW/g



Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
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Interpolated SAR(x,y,z,f0)
SAR; Z Scan: Value Along Z, X=0, Y=0



Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 8/01/2011

FCC K53-02 CDMA-1700 Right, Ch.875, Right Cheek

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

Medium: HSL1700, Medium parameters used: $f = 1754$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.32, 5.32, 5.32), 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 Ch875 RC /Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.08 mW/g

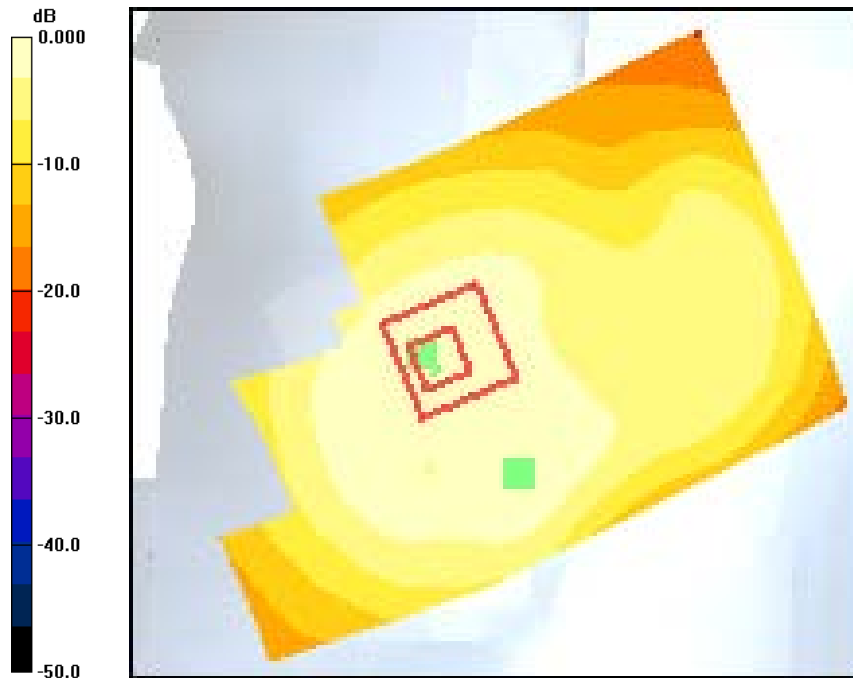
CDMA-1700 Ch875 RC /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.986 mW/g; SAR(10 g) = 0.612 mW/g

Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.08mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 8/01/2011

FCC K53-02 CDMA-1700 Right, Ch.450, Right Tilt

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

Medium: HSL1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.32, 5.32, 5.32), 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 Ch450 RT/Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.674 mW/g

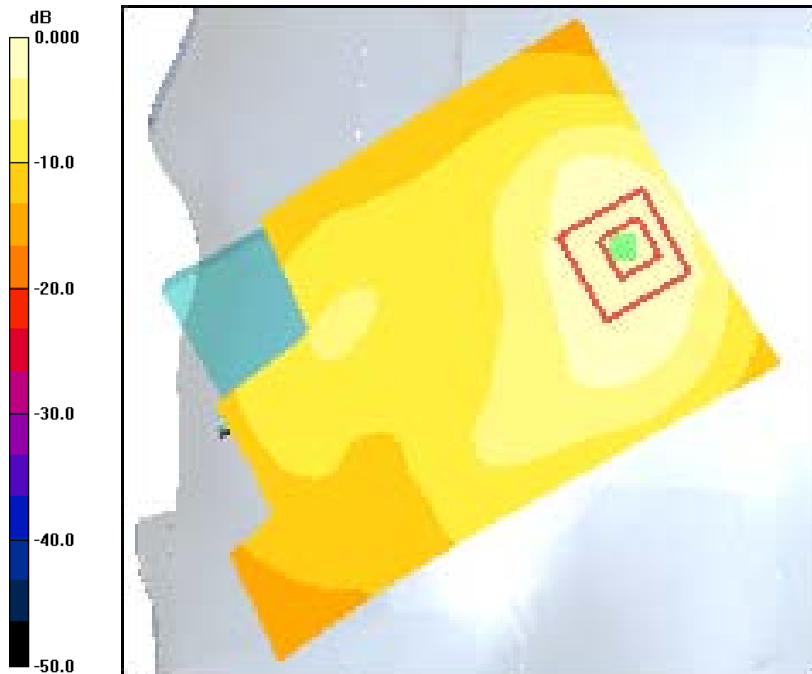
CDMA-1700 Ch450 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.4 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 0.924 W/kg

SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.357 mW/g

Maximum value of SAR (measured) = 0.652 mW/g



0 dB = 0.652mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

PCS

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/20/2011

FCC K53-02 CDMA-1900 Left, Ch.25, Left Cheek

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 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_Ch25 LC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.15 mW/g

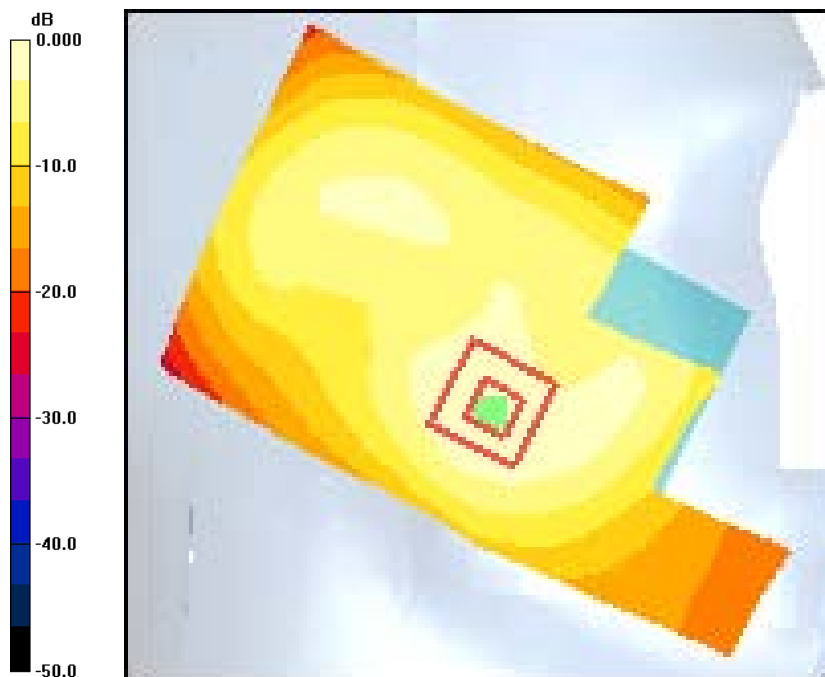
CDMA-1900_Ch25 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.176 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.603 mW/g

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.10mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/20/2011

FCC K53-02 CDMA-1900 Left, Ch.600, Left Cheek

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 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_CH600 LC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.12 mW/g

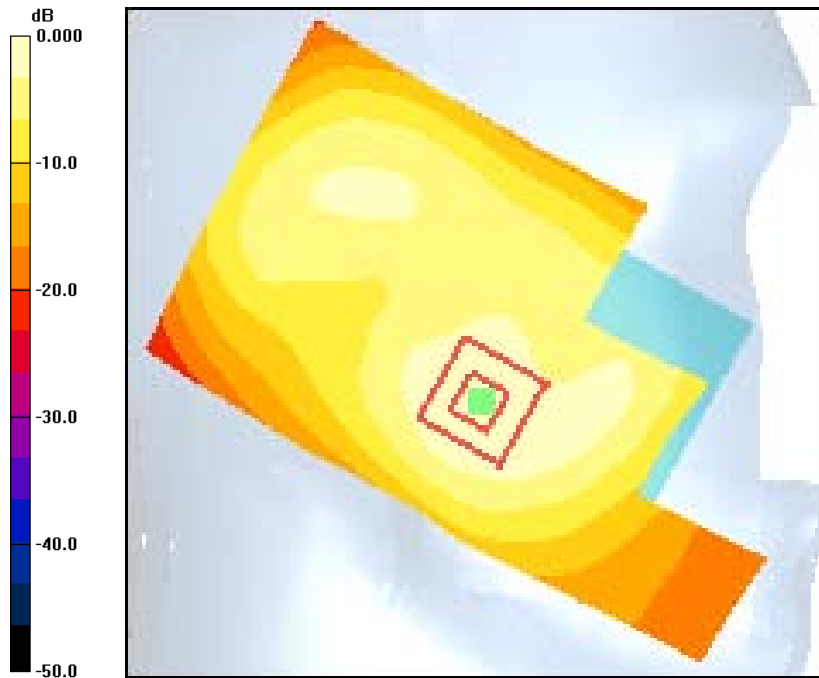
CDMA-1900_CH600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.582 mW/g

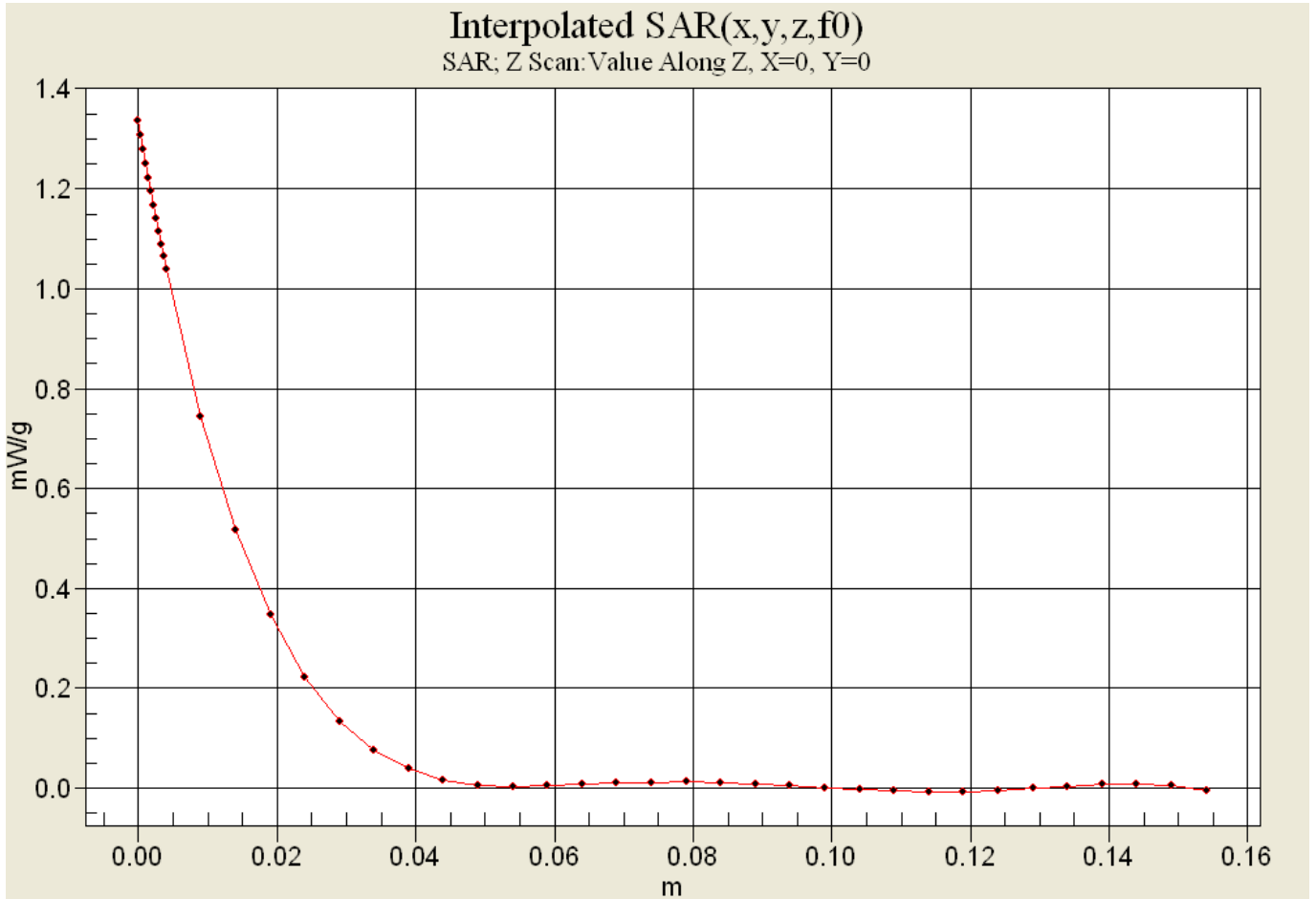
Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04mW/g



Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0



Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/20/2011

FCC K53-02 CDMA-1900 Left, Ch.1175, Left Cheek

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 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_Ch 1175 LC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.924 mW/g

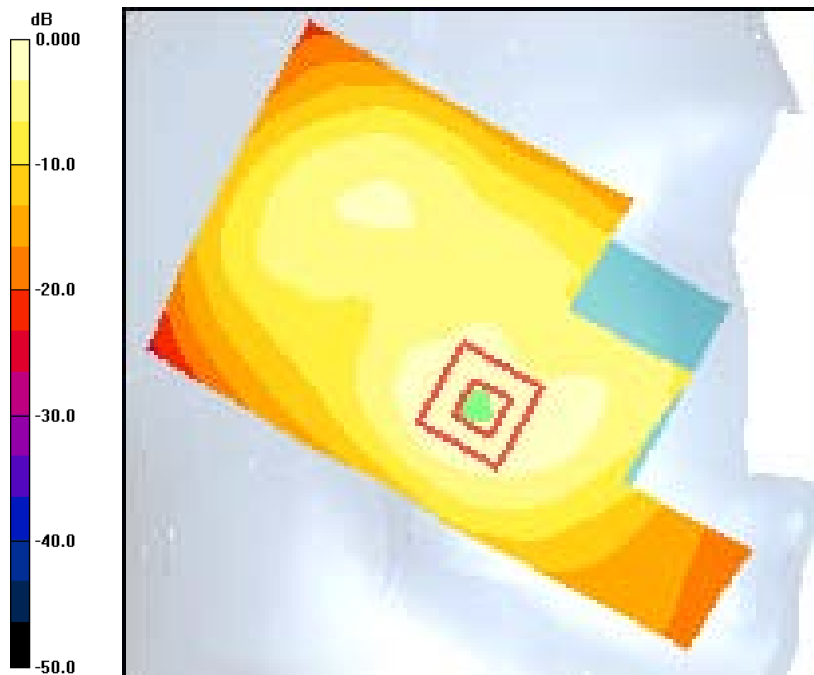
CDMA-1900_Ch 1175 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.1 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 0.884 mW/g



0 dB = 0.884mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/20/2011

FCC K53-02 CDMA-1900 Left, Ch.600, Left Tilt.

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 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_CH600 LT/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.461 mW/g

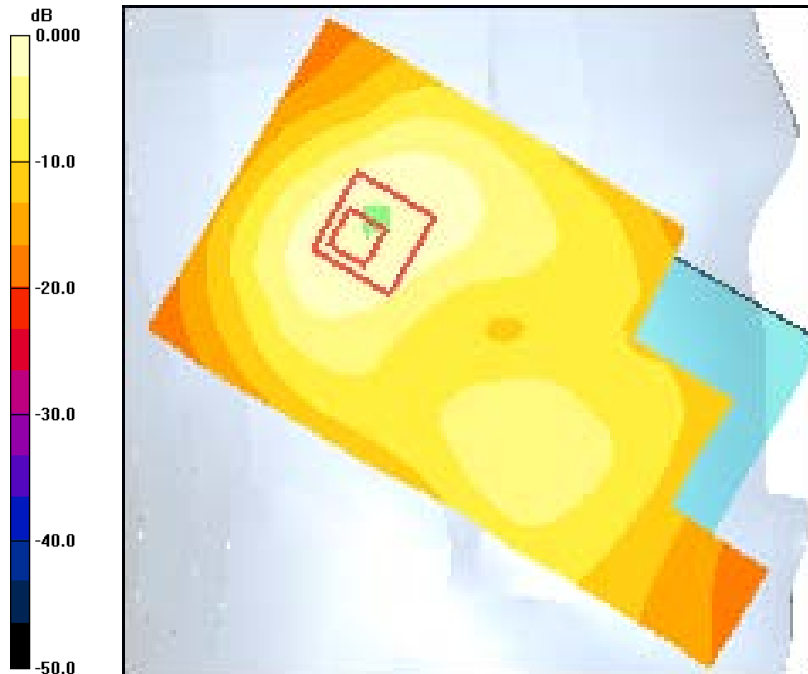
CDMA-1900_CH600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.630 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 0.438 mW/g



0 dB = 0.438mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/20/2011

FCC K53-02 CDMA-1900 Right, Ch.25, Right Cheek

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 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_Ch25 RC/Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.843 mW/g

CDMA-1900_Ch25 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = -0.271 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.777 mW/g; SAR(10 g) = 0.492 mW/g

Maximum value of SAR (measured) = 0.842 mW/g

CDMA-1900_Ch25 RC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

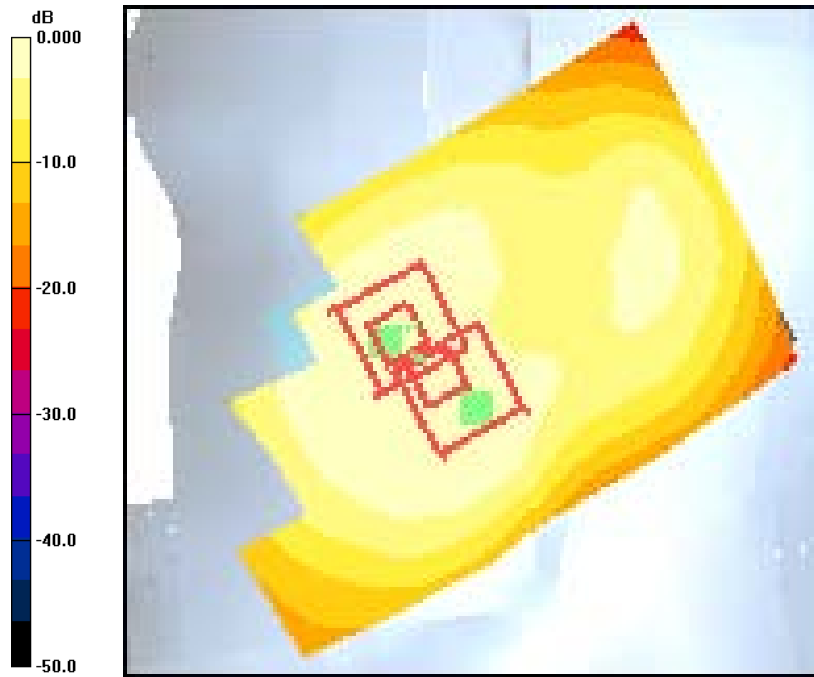
Reference Value = 17.5 V/m; Power Drift = -0.271 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.383 mW/g

Maximum value of SAR (measured) = 0.736 mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
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0 dB = 0.736mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/20/2011

FCC K53-02 CDMA-1900 Right, Ch.600, Right Cheek

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 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_CH600 RC/Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.914 mW/g

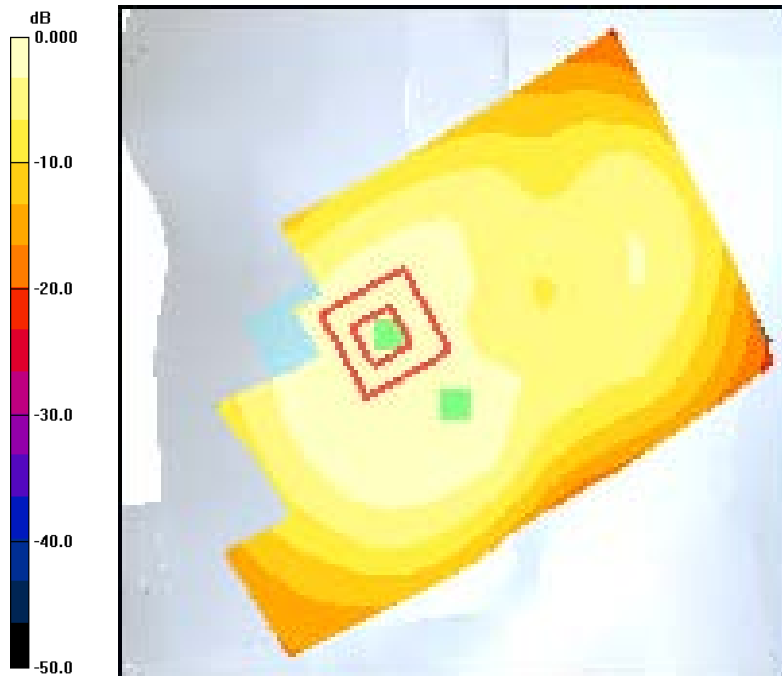
CDMA-1900_CH600 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 0.880 mW/g

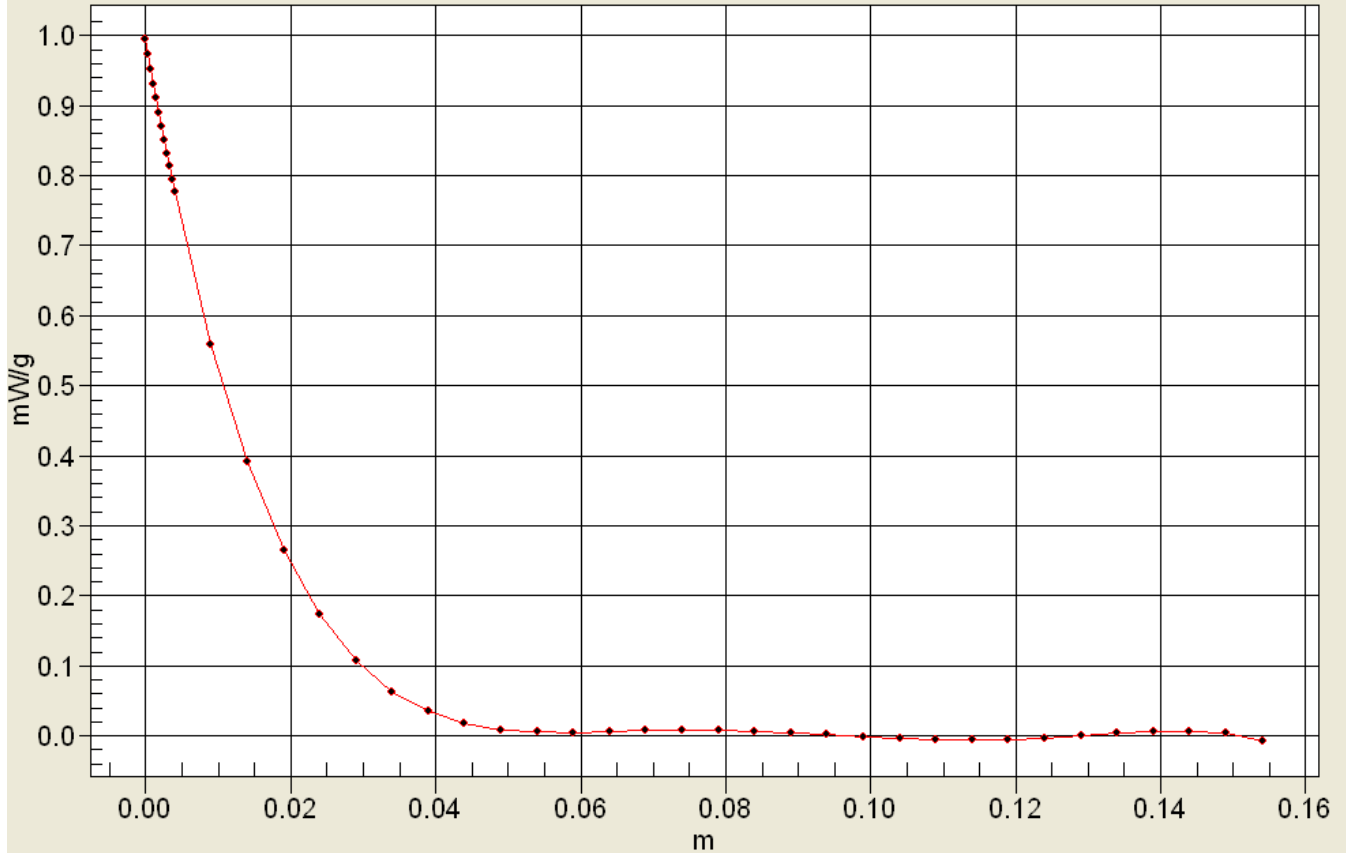


0 dB = 0.880mW/g



Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
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Interpolated SAR(x,y,z,f0)
SAR; Z Scan: Value Along Z, X=0, Y=0



Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/20/2011

FCC K53-02 CDMA-1900 Right, Ch.1175, Right Cheek

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 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_Ch 1175 RC/Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.745 mW/g

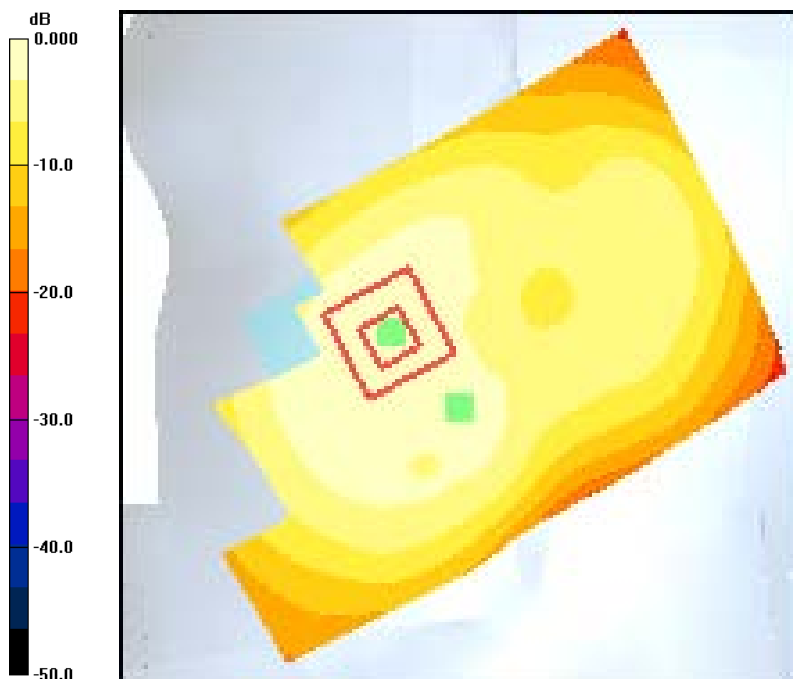
CDMA-1900_Ch 1175 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.437 mW/g

Maximum value of SAR (measured) = 0.751 mW/g



0 dB = 0.751mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5302
IC#:	3572A-S2300
Report #:	CT- K5302-9B1-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 7/20/2011

FCC K53-02 CDMA-1900 Right, Ch.600, Right Tilt

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 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_CH600 RT/Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

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

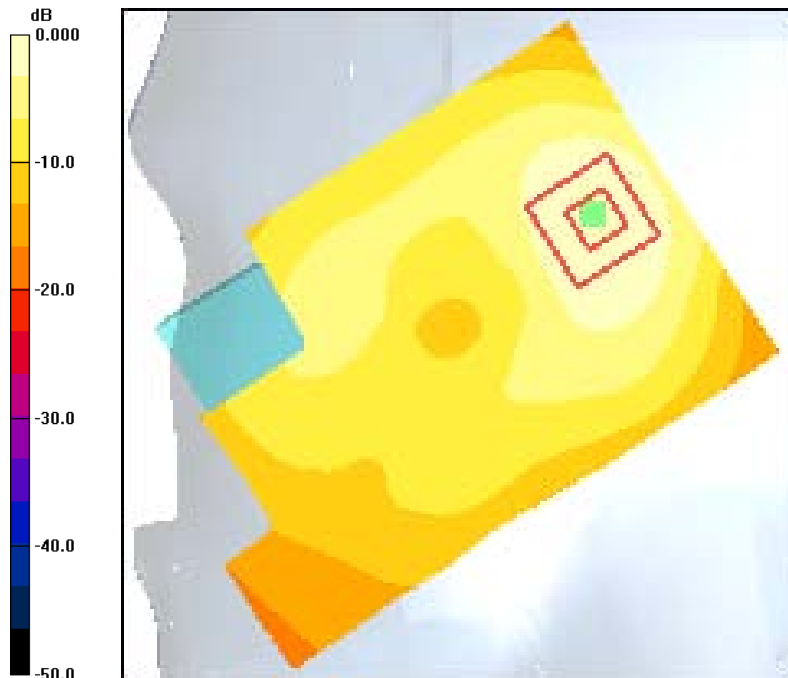
CDMA-1900_CH600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.630 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.236 mW/g

Maximum value of SAR (measured) = 0.445 mW/g



0 dB = 0.445mW/g