



Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

EXHIBIT 9 Appendix B1: SAR DISTRIBUTION PLOTS (HEAD)

Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

Test Laboratory: Comptest/Kyocera

Date: 8/12/2011

FCC K53-01 CDMA-1900 Left, Ch25, Left Cheek

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

Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ 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) = 1.30 mW/g

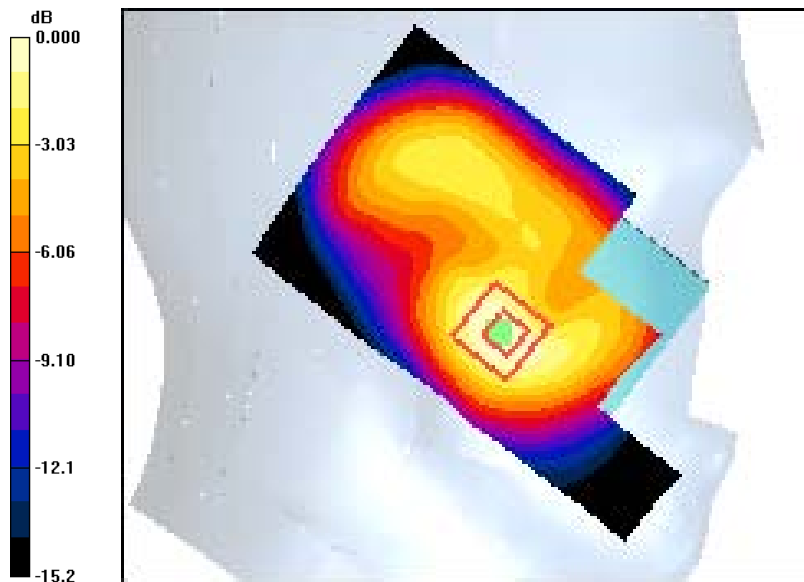
CDMA-1900_Ch25 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.5 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.691 mW/g

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



0 dB = 1.26mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

Test Laboratory: Comptest/Kyocera

Date: 8/12/2011

FCC K53-01 CDMA-1900 Left, Ch600, Left Cheek

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

Medium: HSL1900, Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

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) = 1.35 mW/g

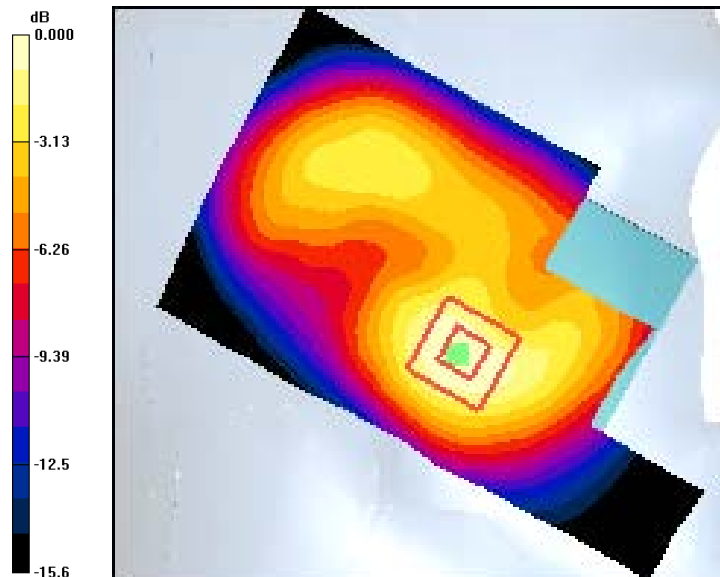
CDMA-1900_CH600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.716 mW/g

Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

Test Laboratory: Comptest/Kyocera

Date:8/12/2011

FCC K53-01 CDMA-1900 Left, Ch1175, Left Cheek

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

Medium: HSL1900,Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ 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) = 1.50 mW/g

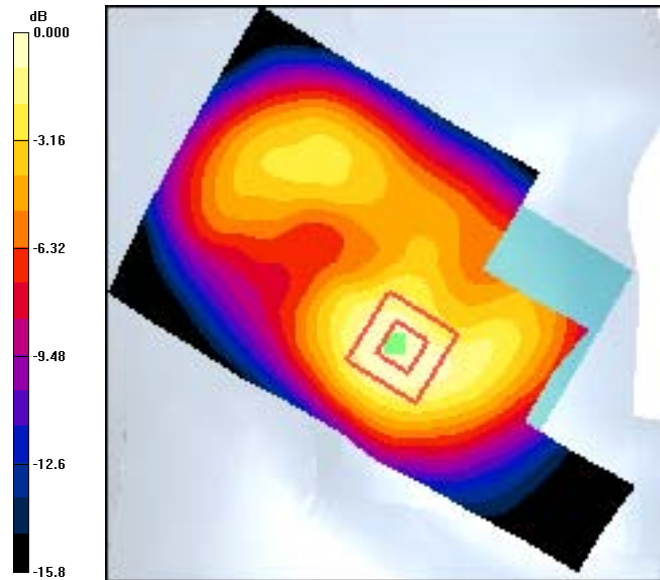
CDMA-1900_Ch 1175 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.773 mW/g

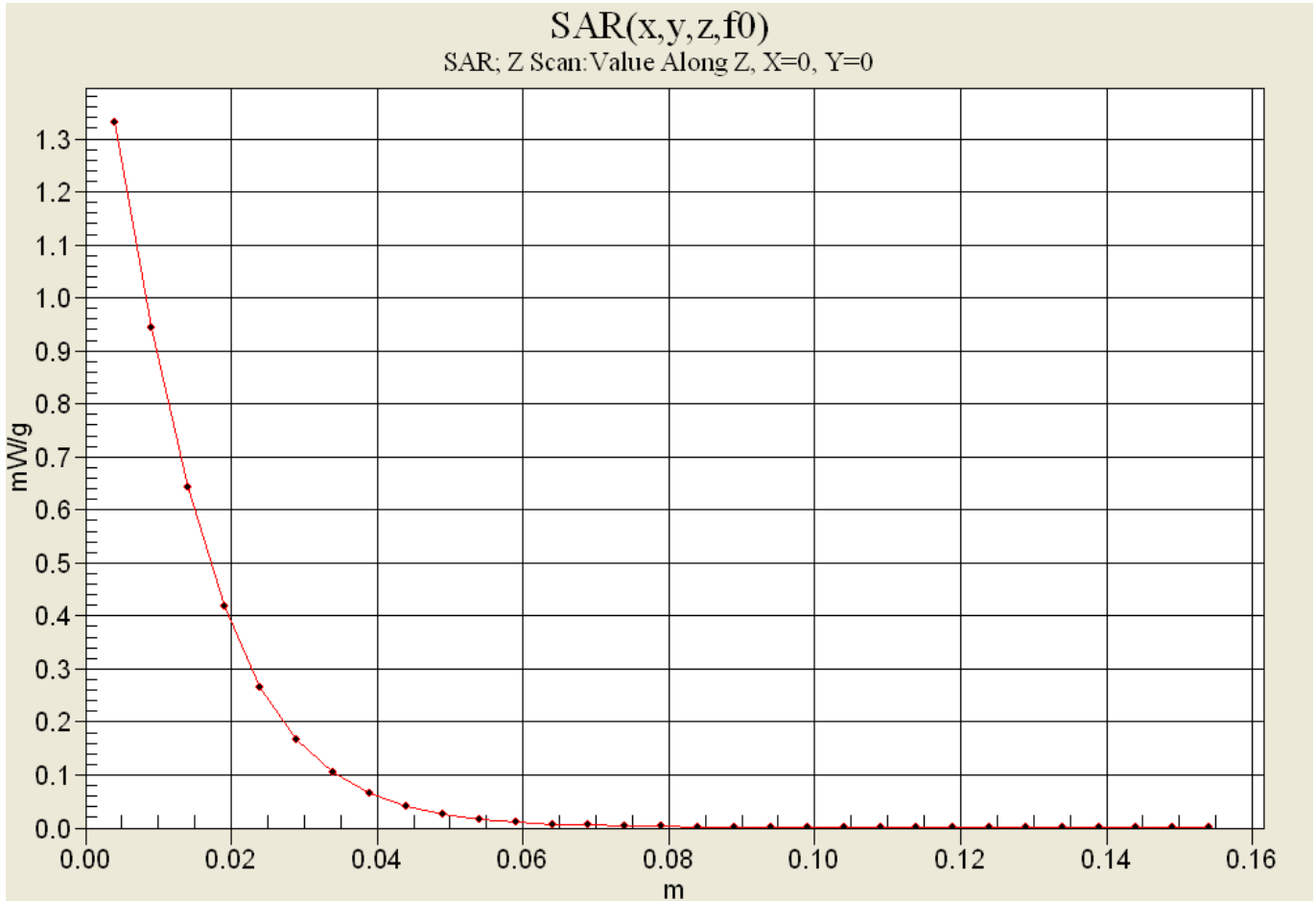
Maximum value of SAR (measured) = 1.41 mW/g



0 dB = 1.41mW/g



Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0



Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

Test Laboratory: Comptest/Kyocera

Date: 8/12/2011

FCC K53-01 CDMA-1900 Left, Ch1175, Left Tilt.

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

Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ 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 LT/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.670 mW/g

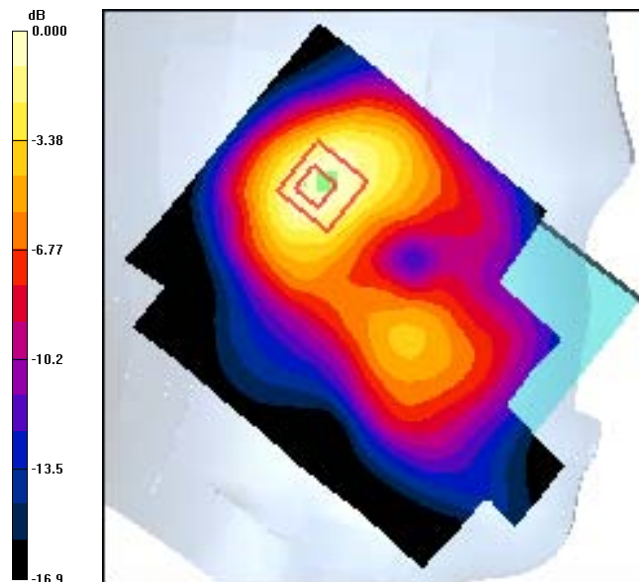
CDMA-1900_Ch 1175 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.978 W/kg

SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.661 mW/g



0 dB = 0.661mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

Test Laboratory: Comptest/Kyocera

Date: 8/12/2011

FCC K53-01 CDMA-1900 Right, Ch25, Right Cheek

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

Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ 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) = 1.01 mW/g

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

Reference Value = 19.4 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.962 mW/g; SAR(10 g) = 0.608 mW/g

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

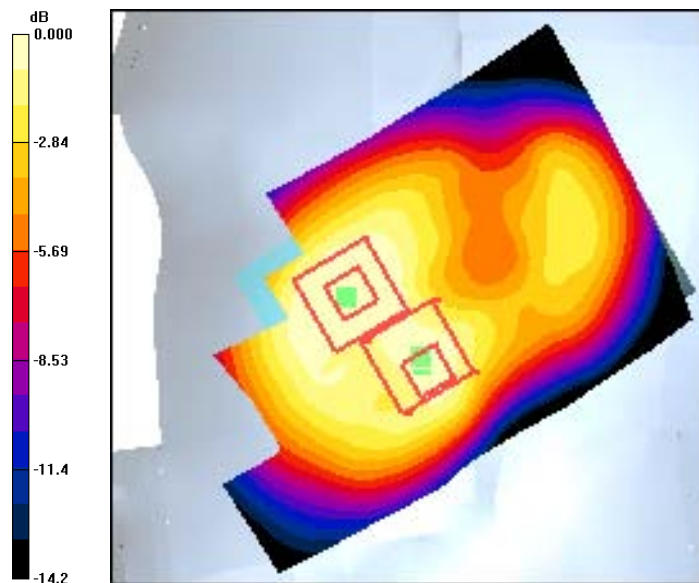
CDMA-1900_Ch25 RC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.506 mW/g

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



0 dB = 0.924mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

Test Laboratory: Comptest/Kyocera

Date: 8/12/2011

FCC K53-01 CDMA-1900 Right, Ch600, Right Cheek

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ 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) = 1.15 mW/g

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

Reference Value = 20.0 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.681 mW/g

Maximum value of SAR (measured) = 1.16 mW/g

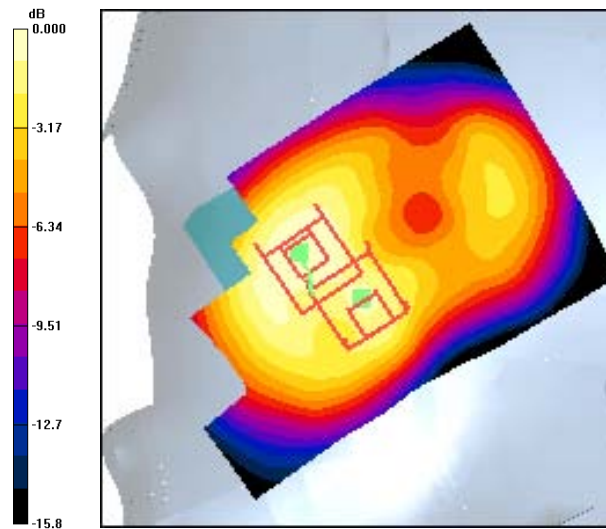
CDMA-1900_CH600 RC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.543 mW/g

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



0 dB = 1.16mW/g

Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

Test Laboratory: Comptest/Kyocera

Date: 8/12/2011

FCC K53-01 CDMA-1900 Right, Ch1175, Right Cheek

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

Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ 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) = 1.15 mW/g

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

Reference Value = 20.1 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.645 mW/g

Maximum value of SAR (measured) = 1.11 mW/g

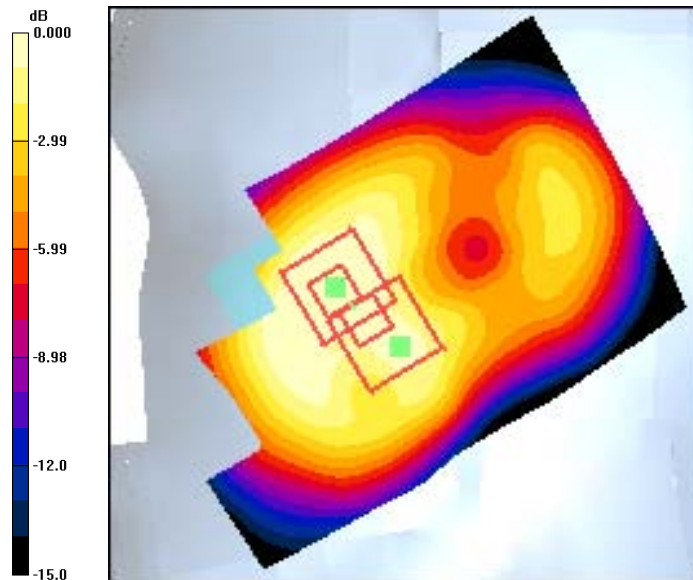
CDMA-1900_Ch 1175 RC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.1 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.482 mW/g

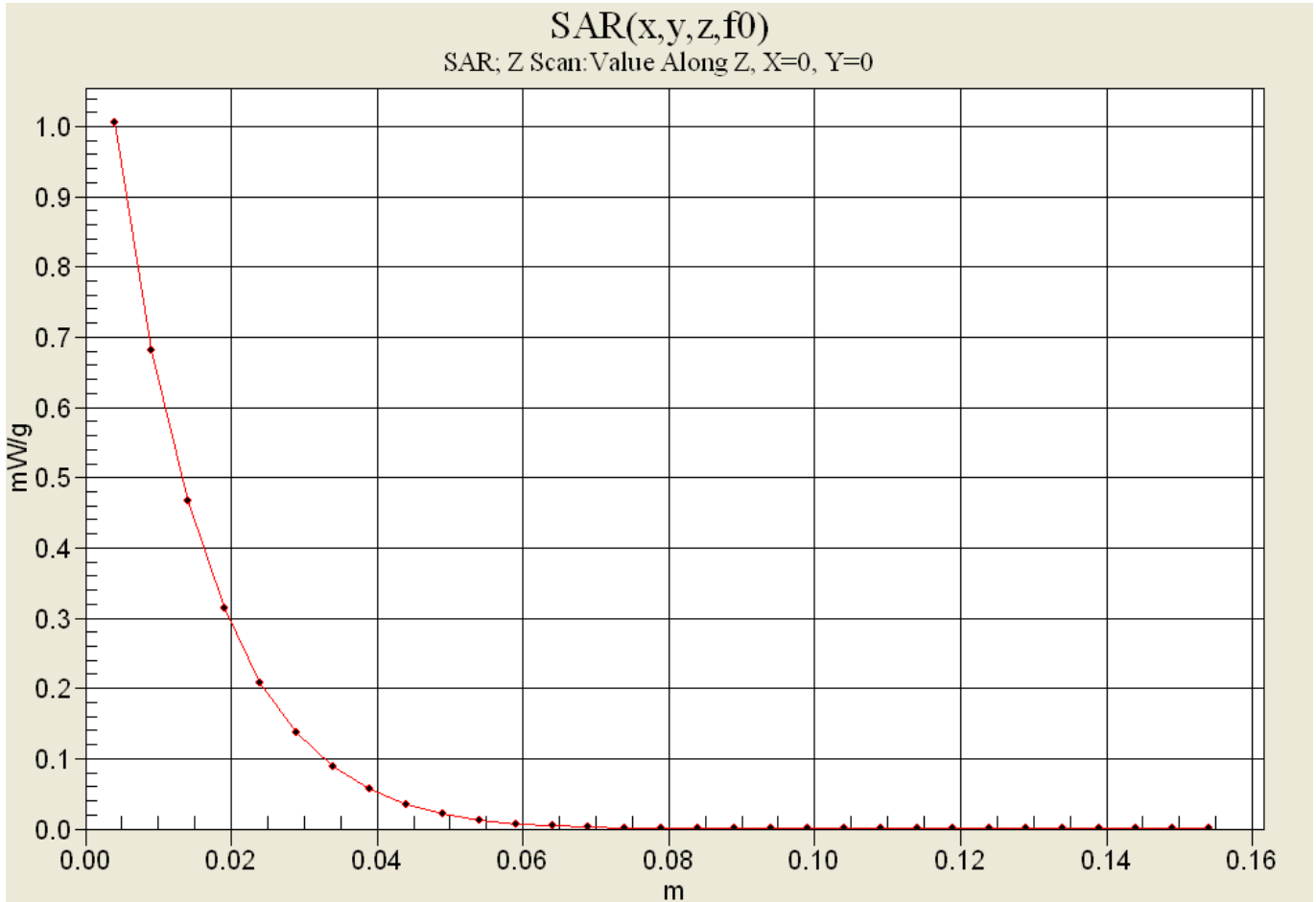
Maximum value of SAR (measured) = 0.997 mW/g



0 dB = 0.997mW/g



Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0



Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K53-01-9B1-0811-R0

Test Laboratory: Comptest/Kyocera

Date: 8/12/2011

FCC K53-01 CDMA-1900 Right, Ch1175, Right Tilt

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

Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ 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 RT/Area Scan (91x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.678 mW/g

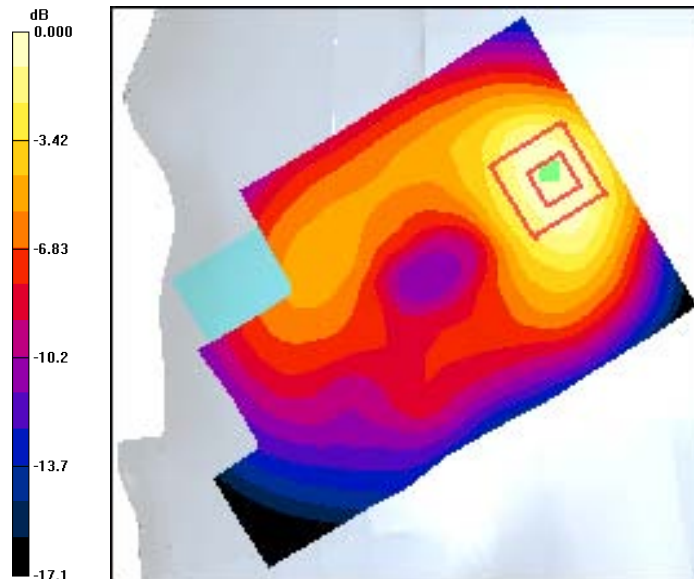
CDMA-1900_Ch 1175 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.3 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.966 W/kg

SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.351 mW/g

Maximum value of SAR (measured) = 0.671 mW/g



0 dB = 0.671mW/g