



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

EXHIBIT 9 APPENDIX B3: SAR DISTRIBUTION PLOTS (HOTSPOT)

CELL

Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/09/2012

FCC C5171 CELL Flat with 1cm Air Space, Front Ch. 1013

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

Medium: M800, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

CDMA-800 FLAT - Front Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.644 mW/g

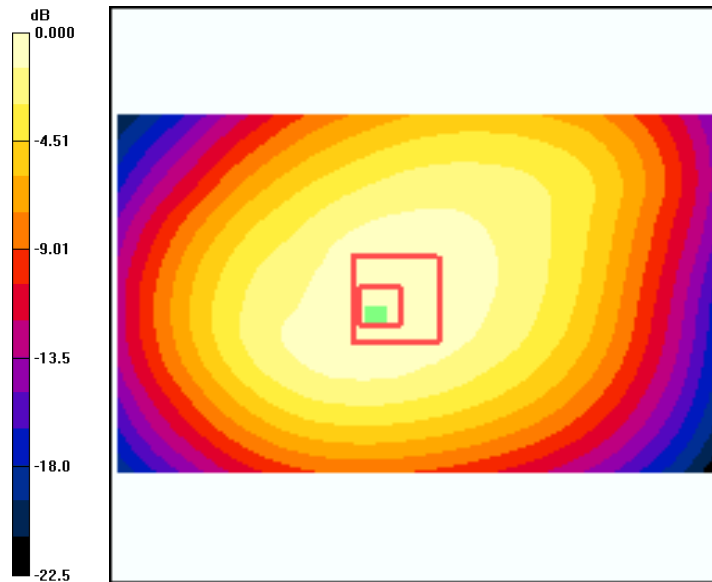
CDMA-800 FLAT - Front Ch1013/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.829 W/kg

SAR(1 g) = 0.616 mW/g; SAR(10 g) = 0.449 mW/g

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



0 dB = 0.644mW/g

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FCC C5171 CELL Flat with 1cm Air Space, Back Ch. 1013

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

Medium: M800, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 °C ± 1 deg C, Liquid T = 22.0 °C ± 1 deg C

CDMA-800 FLAT Back Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.844 mW/g

CDMA-800 FLAT Back Ch1013/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.3 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.585 mW/g

Maximum value of SAR (measured) = 0.845 mW/g

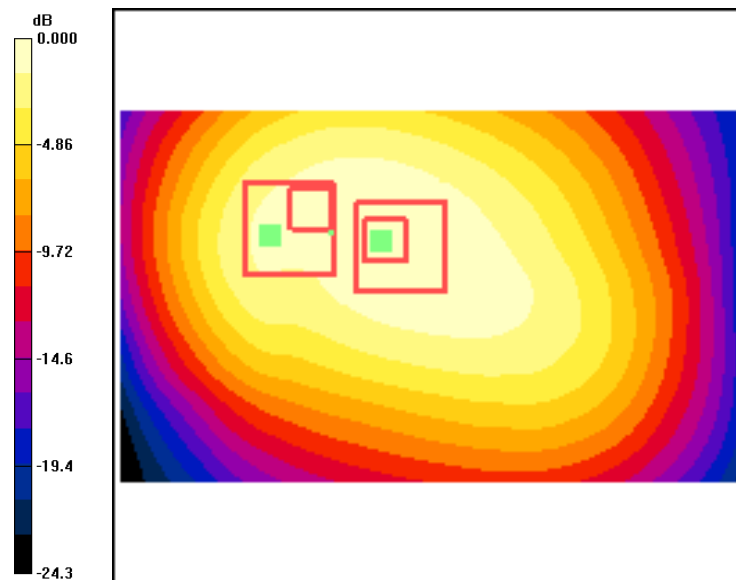
CDMA-800 FLAT Back Ch1013/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.3 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.416 mW/g

Maximum value of SAR (measured) = 0.758 mW/g



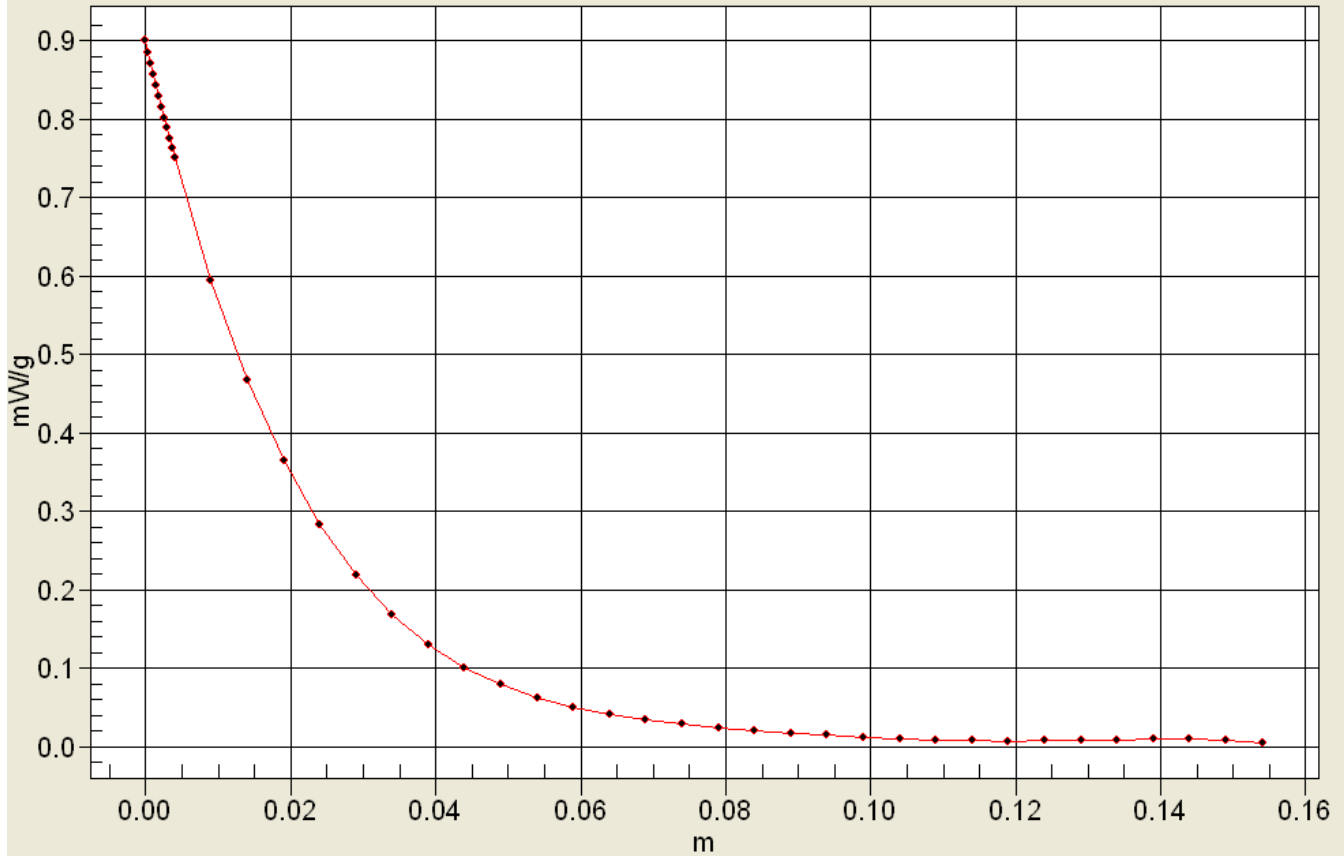
0 dB = 0.844mW/g



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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: 08/09/2012

FCC C5171 CELL Flat with 1cm Air Space, Back Ch. 384

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

Medium: M800, Medium parameters used (interpolated): $f = 836.52 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 54.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

CDMA-800 FLAT - Back Ch384/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

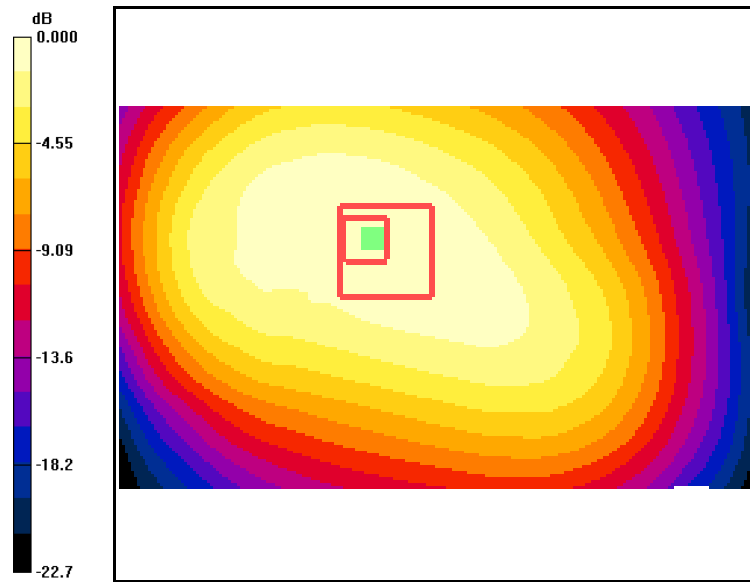
CDMA-800 FLAT - Back Ch384/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.5 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.791 W/kg

SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.428 mW/g

Maximum value of SAR (measured) = 0.620 mW/g



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FCC C5171 CELL Flat with 1cm Air Space, Back Ch. 777

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

Medium: M800, Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 °C ± 1 deg C, Liquid T = 22.0 °C ± 1 deg C

CDMA-800 FLAT - Back Ch777/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 22.8 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.902 W/kg

SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.431 mW/g

Maximum value of SAR (measured) = 0.664 mW/g

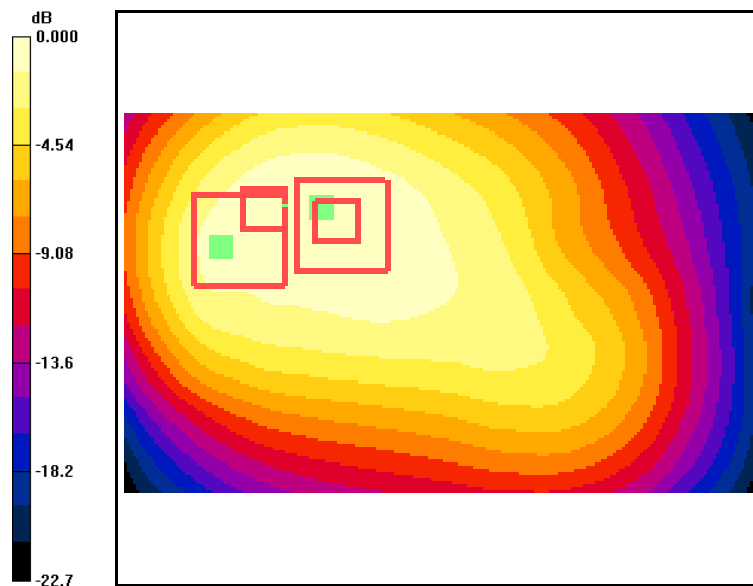
CDMA-800 FLAT - Back Ch777/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.8 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.855 W/kg

SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.599 mW/g



0 dB = 0.652mW/g

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Test Laboratory: Comptest/Kyocera

Date: 08/09/2012

FCC C5171 CELL Flat with 1cm Air Space, Left Ch. 1013

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

Medium: M800, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

Cell Ch1013 FLAT -Left/Area Scan (91x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.441 mW/g

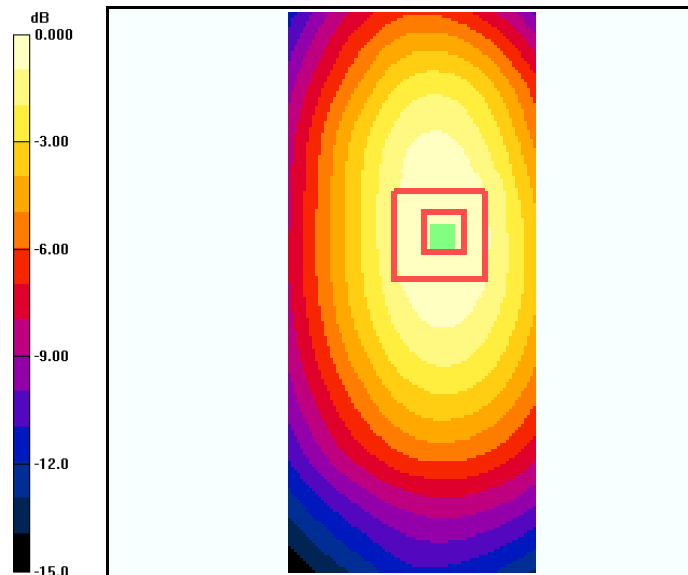
Cell Ch1013 FLAT -Left/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.586 W/kg

SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.292 mW/g

Maximum value of SAR (measured) = 0.450 mW/g



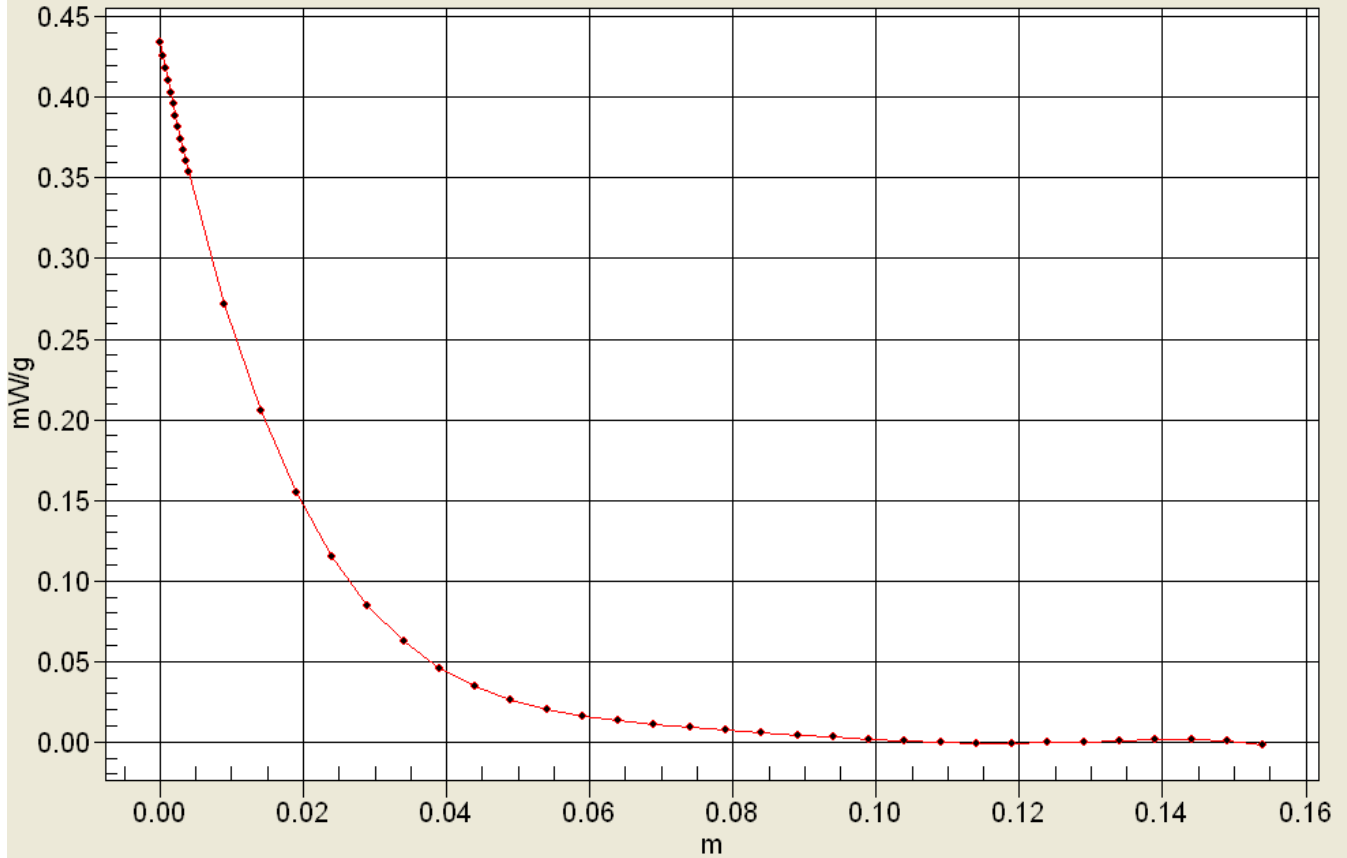
0 dB = 0.441mW/g



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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: 08/09/2012

FCC C5171 CELL Flat with 1cm Air Space, Right Ch. 1013

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

Medium: M800, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

Cell Ch1013 FLAT - Right/Area Scan (91x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.572 mW/g

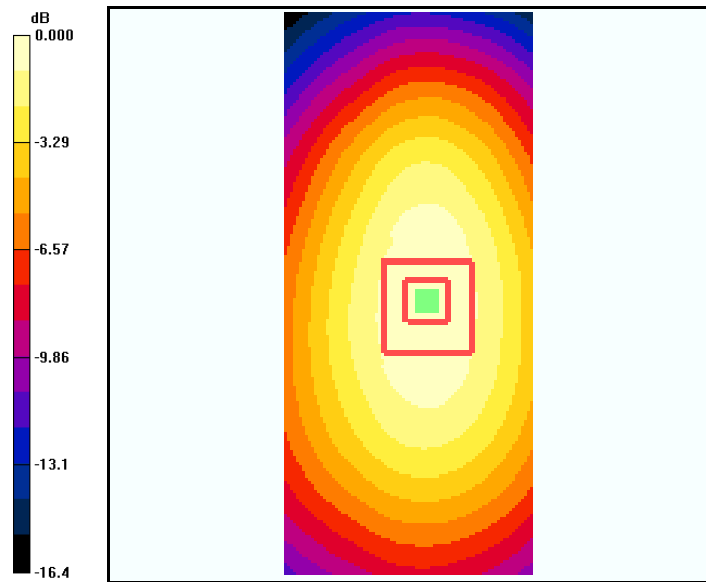
Cell Ch1013 FLAT - Right/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.7 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.735 W/kg

SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.376 mW/g

Maximum value of SAR (measured) = 0.573 mW/g



0 dB = 0.572mW/g

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Test Laboratory: Comptest/Kyocera

Date: 08/09/2012

FCC C5171 CELL Flat with 1cm Air Space, Bottom Ch. 1013

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

Medium: M800, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

CELL Ch1013 FLAT -Bottom/Area Scan (71x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.123 mW/g

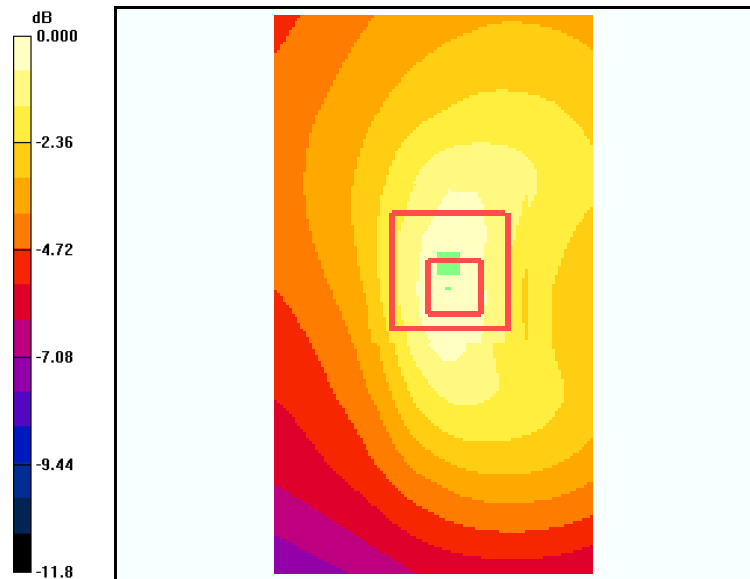
CELL Ch1013 FLAT -Bottom/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.071 mW/g

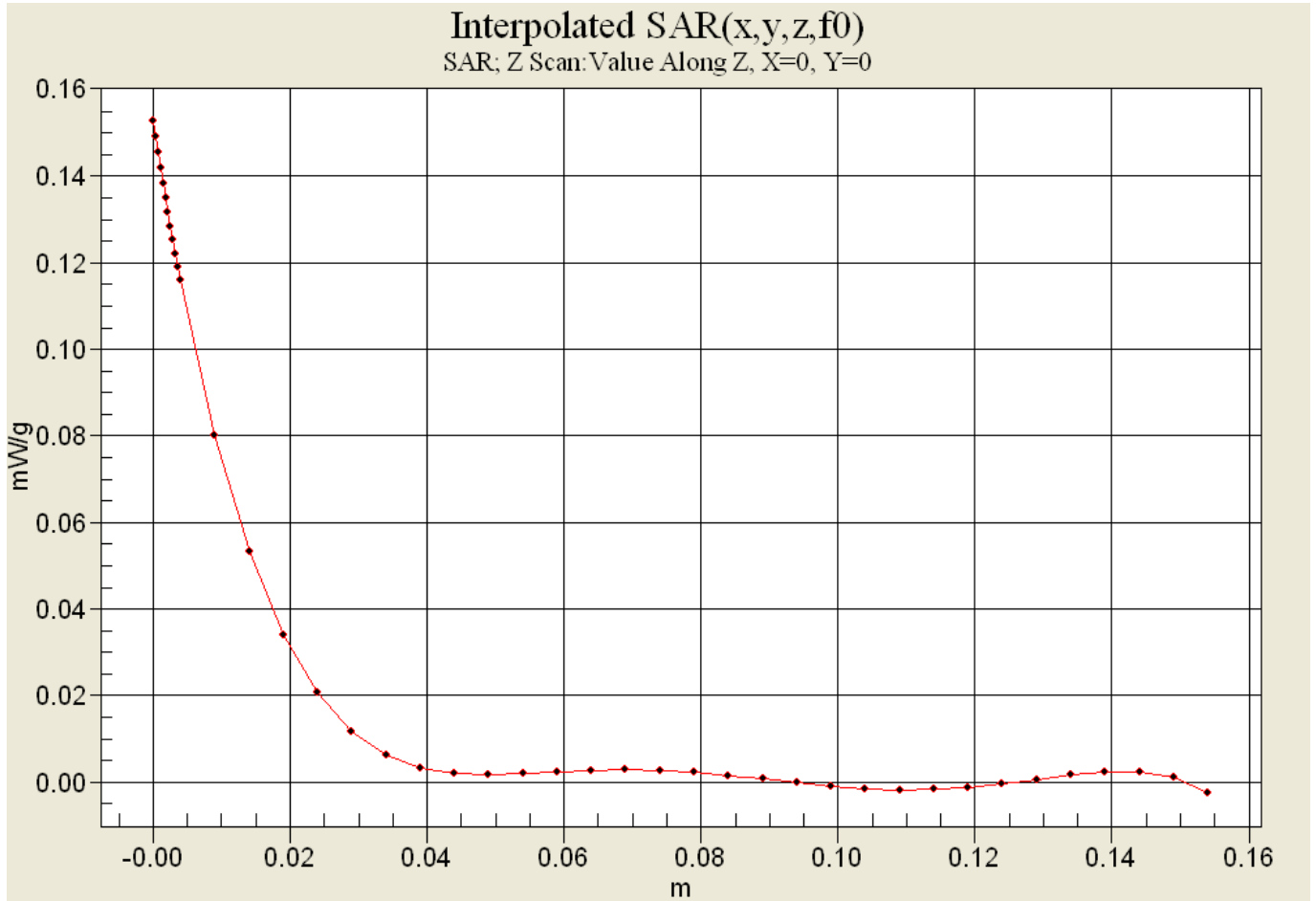
Maximum value of SAR (measured) = 0.129 mW/g



0 dB = 0.129mW/g



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AWS

Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/06/2012

FCC C5171 AWS Flat with 1cm Air Space, Front Ch. 450

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.68, 4.68, 4.68), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

CDMA-1700 FLAT - Face Up Ch450/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.725 mW/g

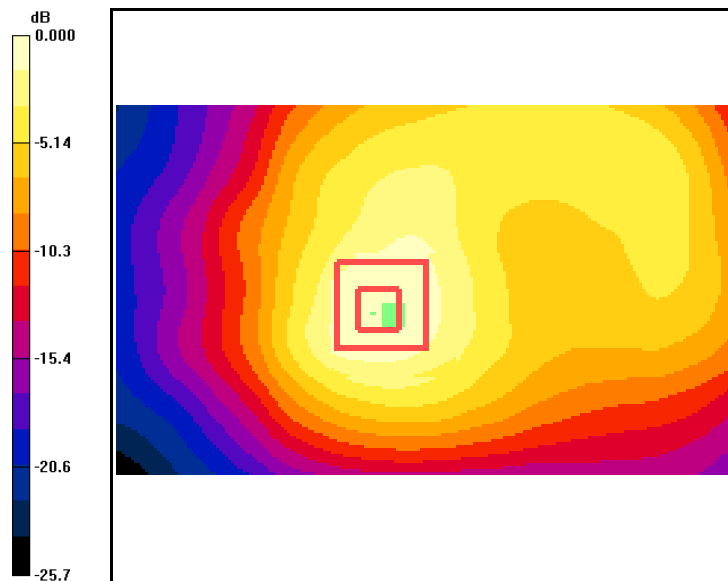
CDMA-1700 FLAT - Face Up Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.2 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.420 mW/g

Maximum value of SAR (measured) = 0.758 mW/g



0 dB = 0.725mW/g

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Test Laboratory: Comptest/Kyocera

Date: 08/06/2012

FCC C5171 AWS Flat with 1cm Air Space, Back Ch. 450

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.68, 4.68, 4.68), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

CDMA-1700 FLAT - Face Down Ch450/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.855 mW/g

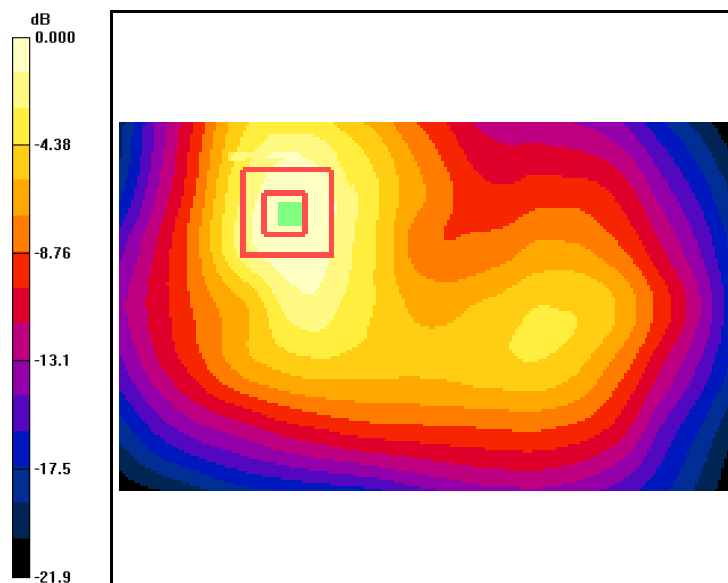
CDMA-1700 FLAT - Face Down Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.460 mW/g

Maximum value of SAR (measured) = 0.823 mW/g



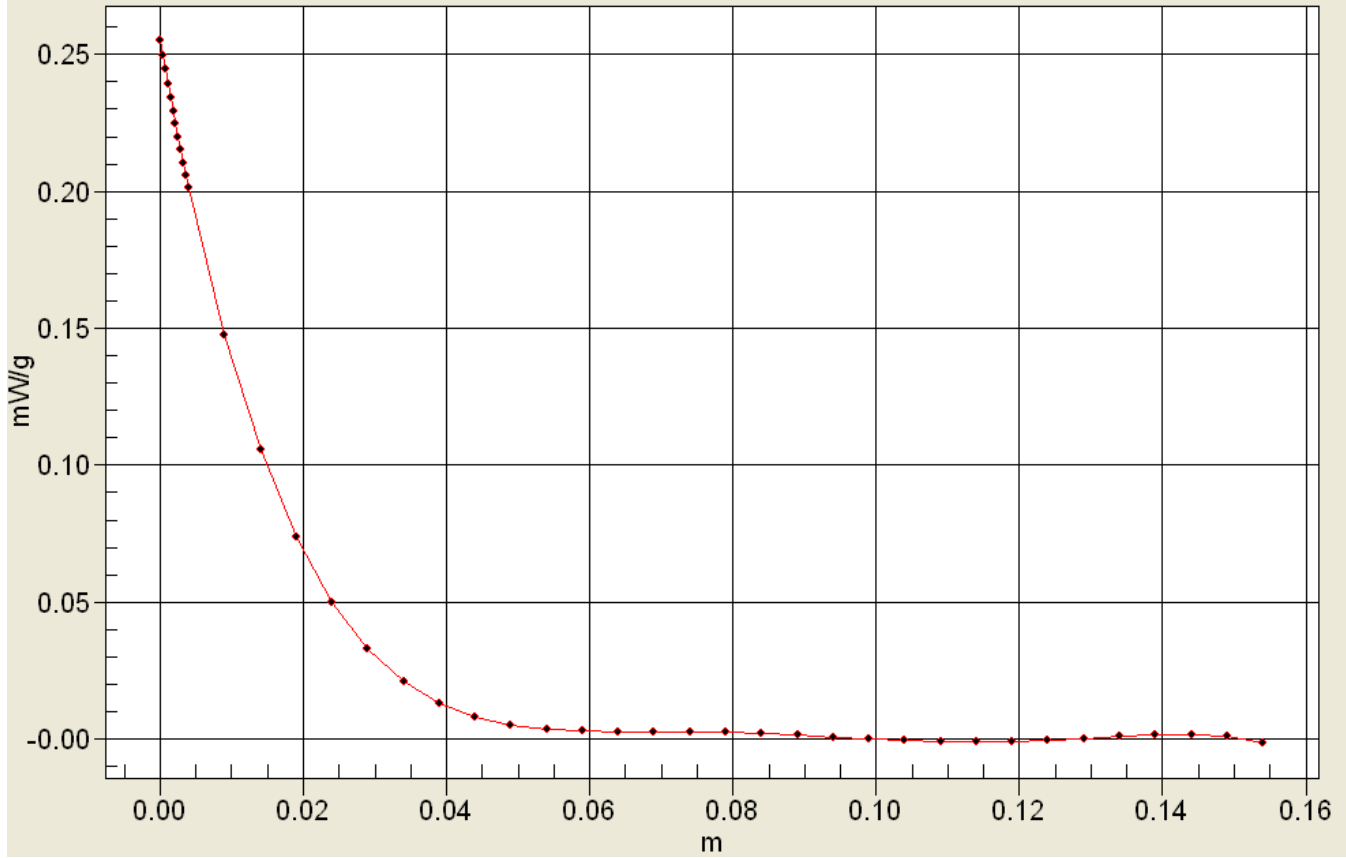
0 dB = 0.855mW/g



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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: 08/06/2012

FCC C5171 AWS Flat with 1cm Air Space, Left Ch. 450

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.68, 4.68, 4.68), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

AWS Ch450 FLAT -Left/Area Scan (91x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.554 mW/g

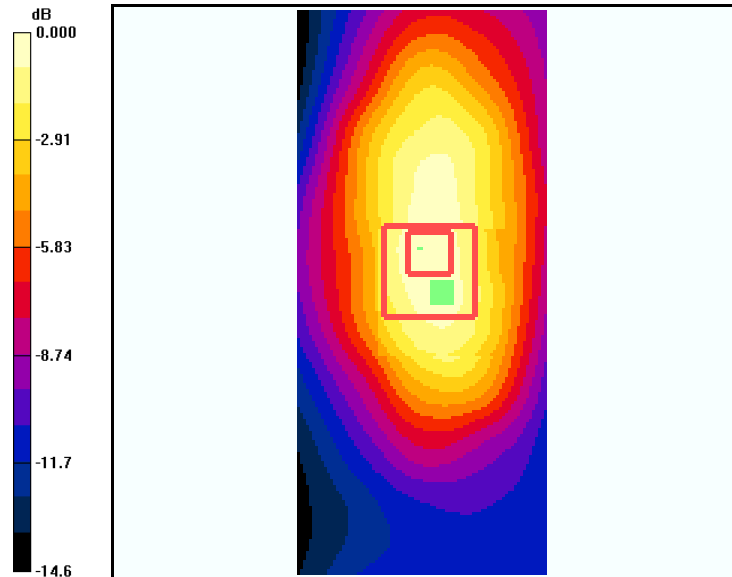
AWS Ch450 FLAT -Left/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.7 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.299 mW/g

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

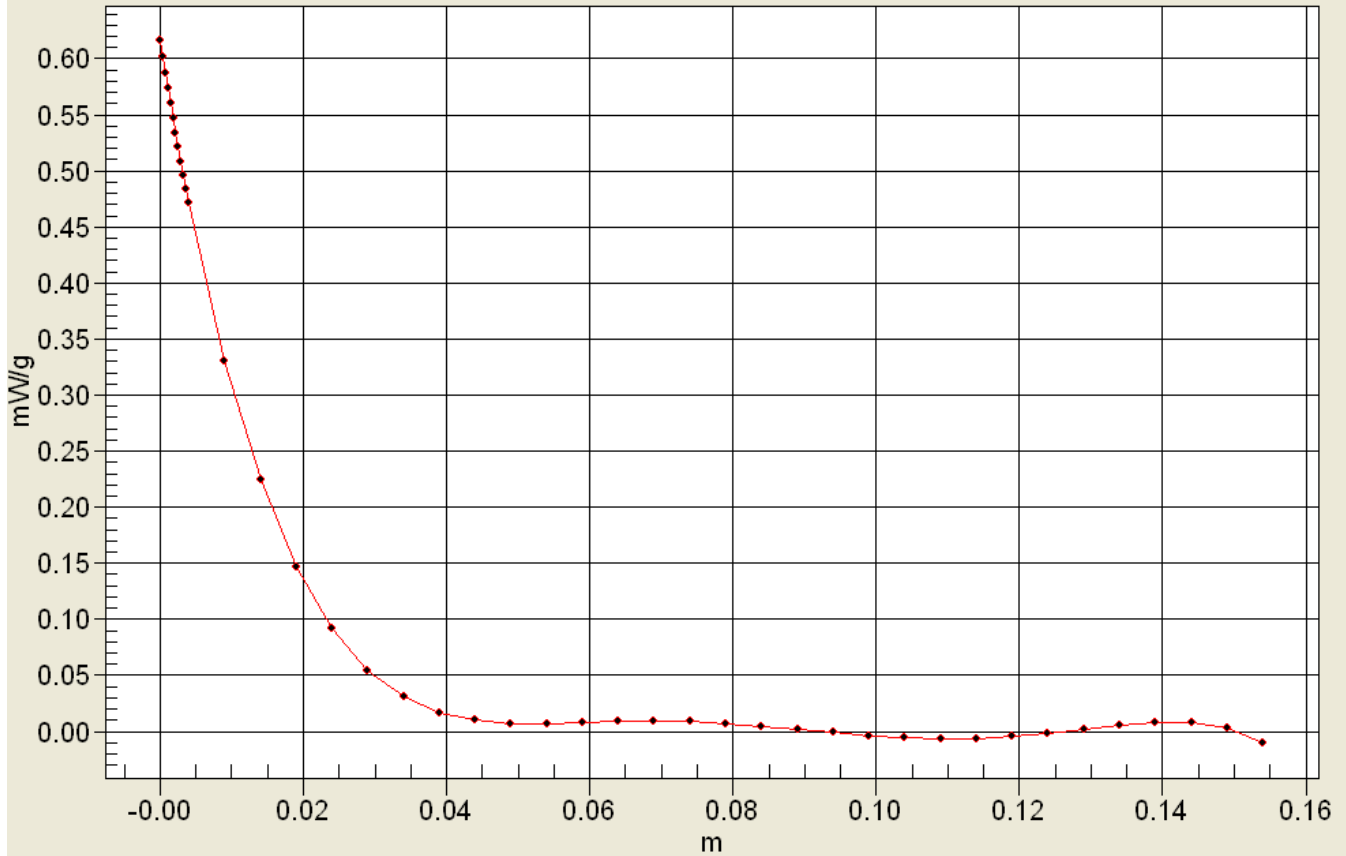


0 dB = 0.554mW/g



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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: 08/06/2012

FCC C5171 AWS Flat with 1cm Air Space, Right Ch. 450

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.68, 4.68, 4.68), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

AWS Ch450 FLAT - Right/Area Scan (91x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.337 mW/g

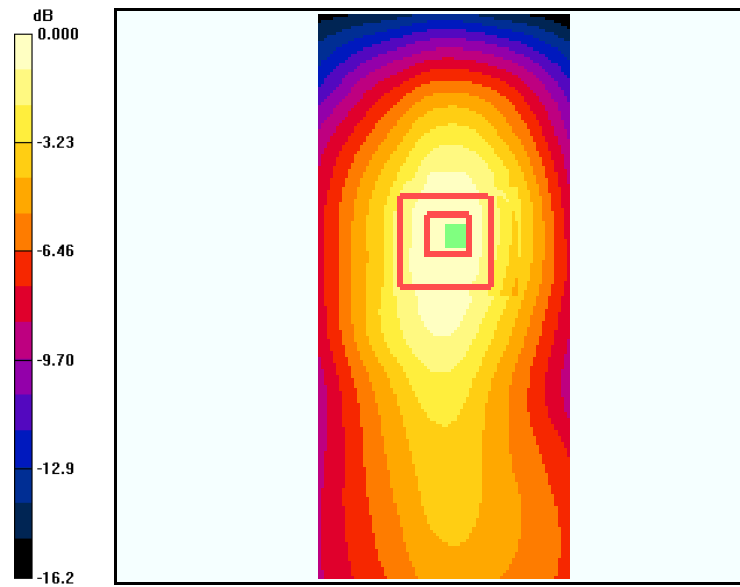
AWS Ch450 FLAT - Right/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = 0.195 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.192 mW/g

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



0 dB = 0.337mW/g

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Date: 08/06/2012

FCC C5171 AWS Flat with 1cm Air Space, Bottom Ch. 450

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.68, 4.68, 4.68), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 \pm 1 deg C, Liquid T = 22.0 \pm 1 deg C

AWS Ch450 FLAT -Bottom/Area Scan (71x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.303 mW/g

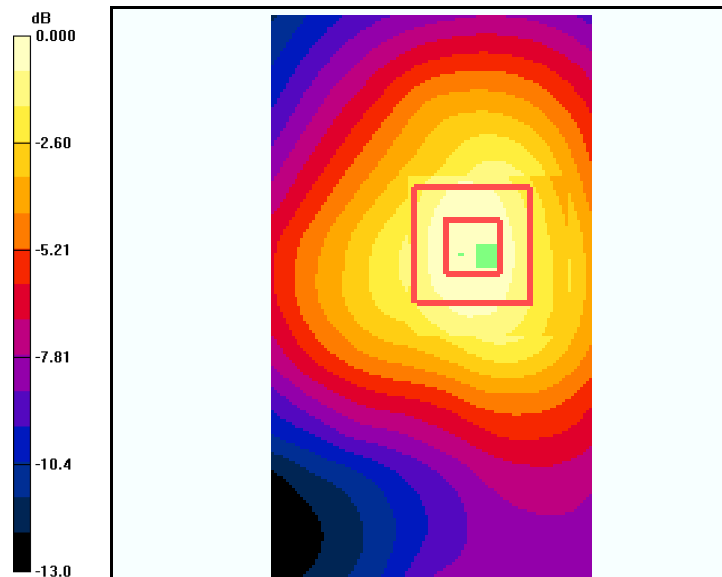
AWS Ch450 FLAT -Bottom/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.1 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.424 W/kg

SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.177 mW/g

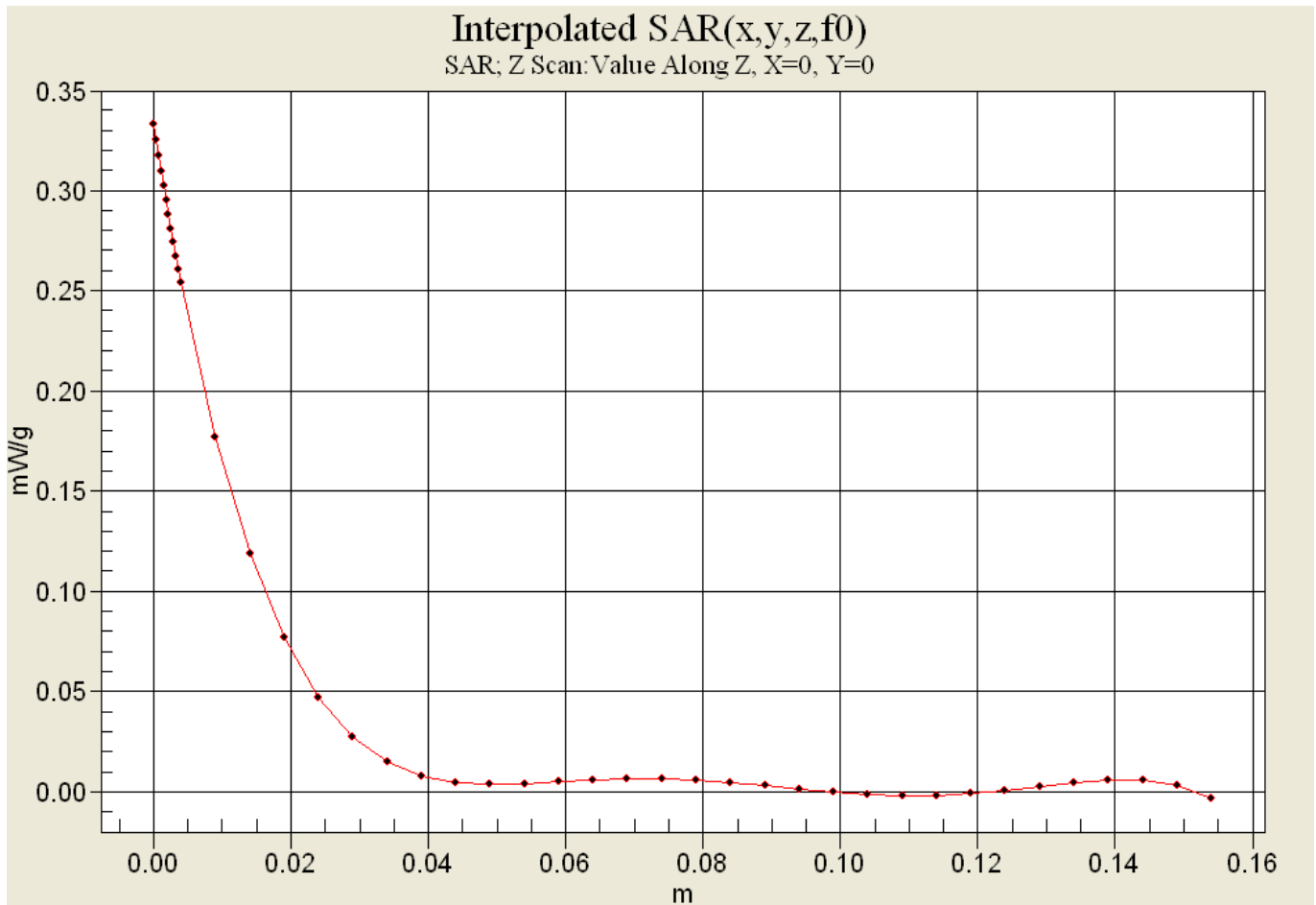
Maximum value of SAR (measured) = 0.319 mW/g



0 dB = 0.303mW/g



Applicant:	Kyocera
FCC ID:	OVFC5171
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Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

PCS

Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 07/24/2012

FCC C5171 PCS Flat with 1cm Air Space, Front Ch. 600

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

Medium: M1800, Medium parameters used: $f = 1880$ 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(4.44, 4.44, 4.44), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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 FLAT -FRONT/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.798 mW/g

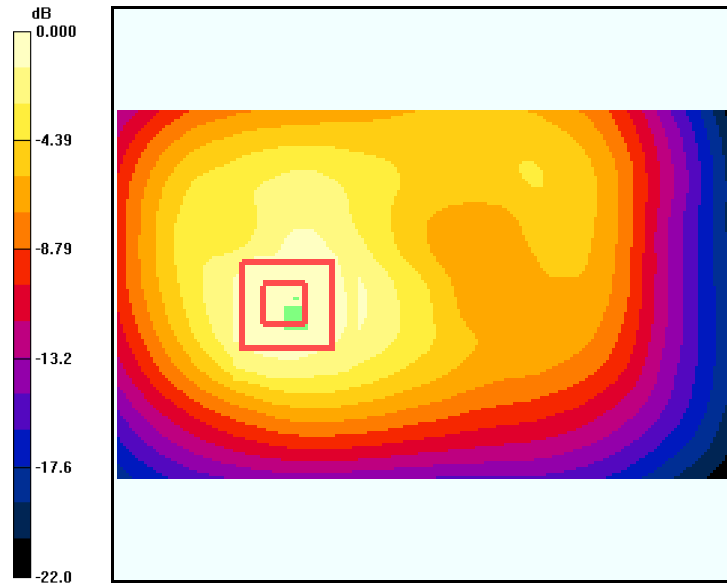
CDMA-1900 Ch600 FLAT -FRONT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.5 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.466 mW/g

Maximum value of SAR (measured) = 0.800 mW/g



0 dB = 0.798mW/g



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 07/24/2012

FCC C5171 PCS Flat with 1cm Air Space, Back Ch. 25

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

Medium: M1800, Medium parameters used (interpolated): $f = 1851.25 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.44, 4.44, 4.44), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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 FLAT - BACK/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.719 mW/g

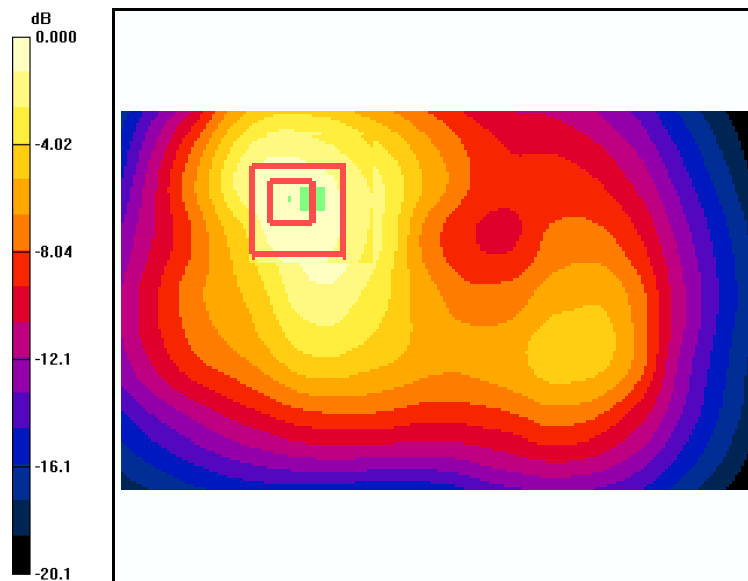
CDMA-1900 Ch25 FLAT - BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.1 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (measured) = 0.682 mW/g



0 dB = 0.719mW/g

Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 07/24/2012

FCC C5171 PCS Flat with 1cm Air Space, Back Ch. 600

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

Medium: M1800, Medium parameters used: $f = 1880$ 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(4.44, 4.44, 4.44), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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 FLAT - BACK/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.881 mW/g

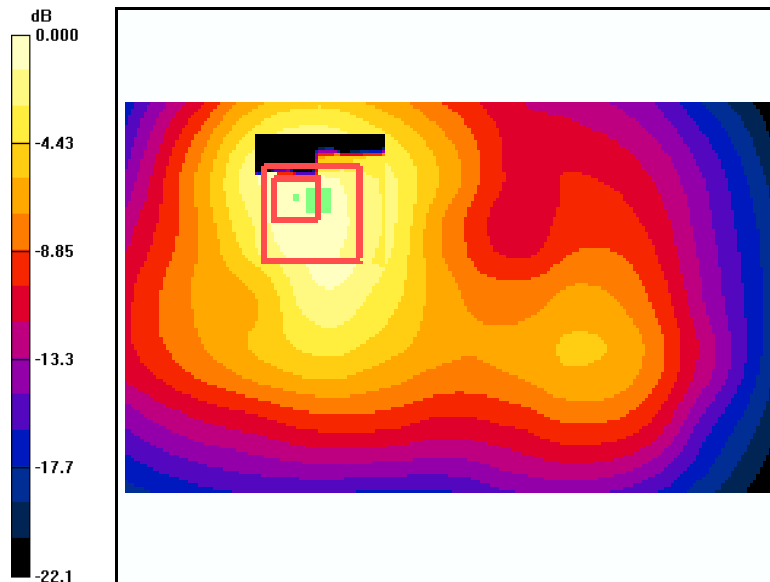
CDMA-1900 Ch600 FLAT - BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.451 mW/g

Maximum value of SAR (measured) = 0.790 mW/g



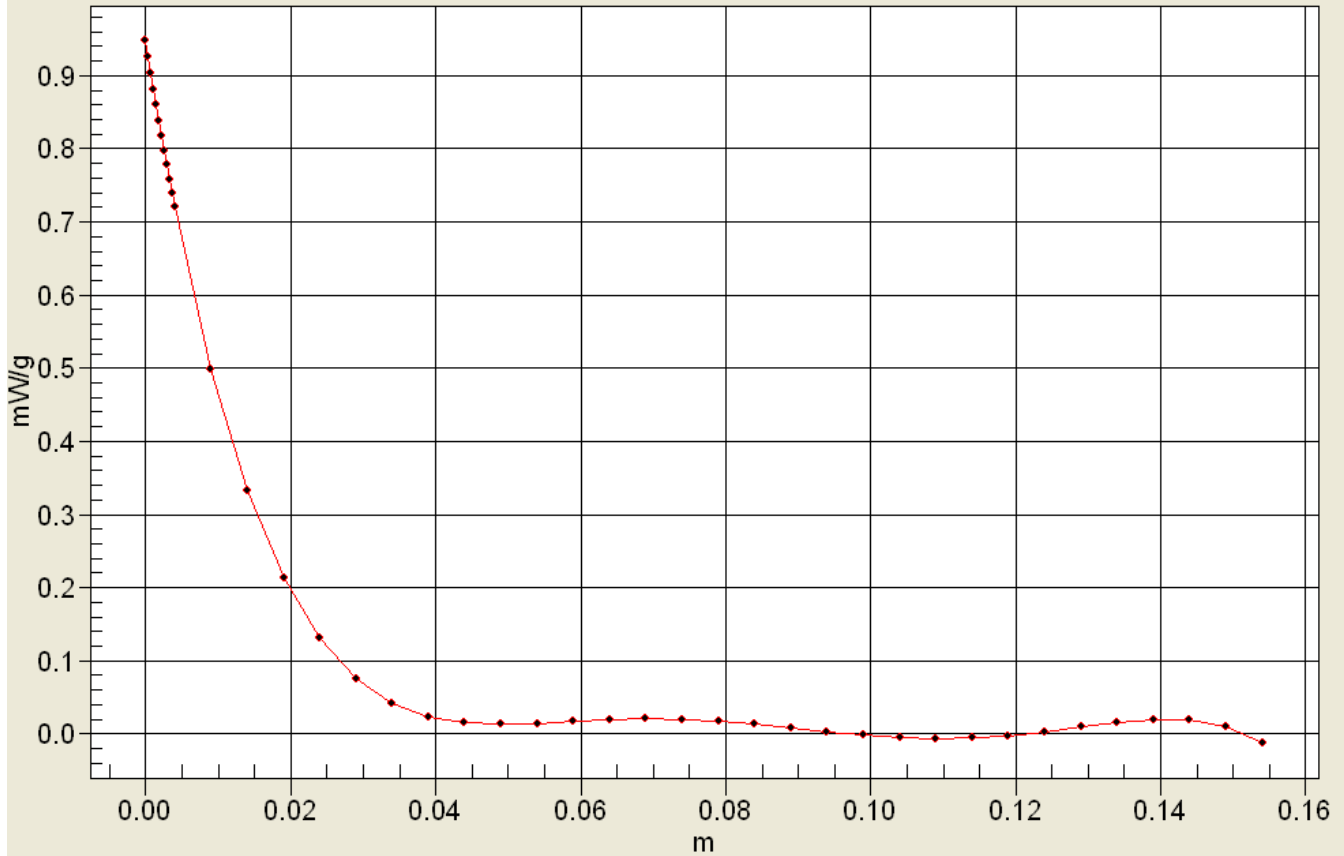
0 dB = 0.881mW/g



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Interpolated SAR(x,y,z,f0)

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



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 07/24/2012

FCC C5171 PCS Flat with 1cm Air Space, Back Ch. 1175

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

Medium: M1800, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.44, 4.44, 4.44), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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 Ch1175 FLAT - BACK/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.486 mW/g

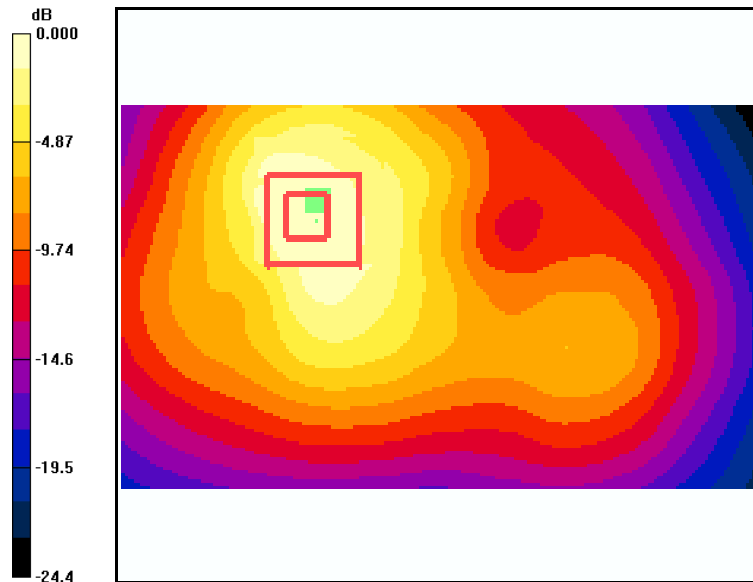
CDMA-1900 Ch1175 FLAT - BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.00 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 0.454 mW/g



0 dB = 0.486mW/g

Test Laboratory: Comptest/Kyocera

Date: 07/25/2012

FCC C5171 PCS Flat with 1cm Air Space, Left Ch. 600

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

Medium: M1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.44, 4.44, 4.44), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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

PCS Ch600 FLAT -Left/Area Scan (91x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.247 mW/g

PCS Ch600 FLAT -Left/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.237 mW/g

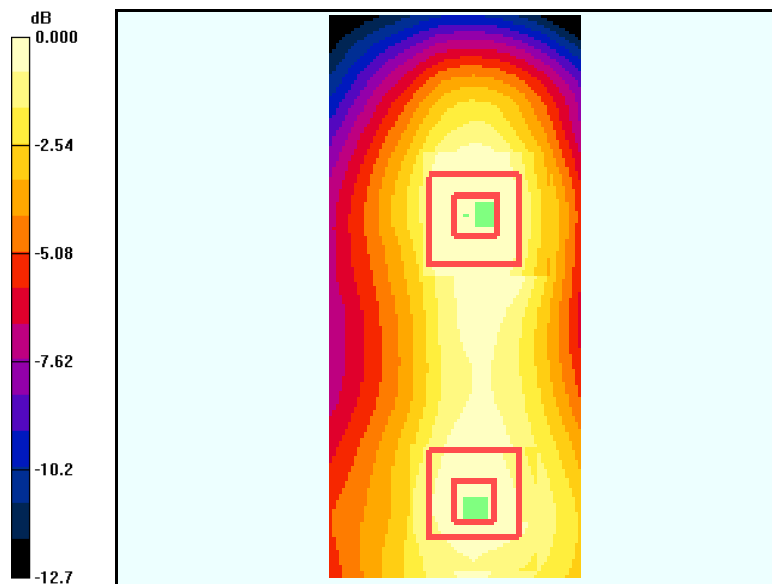
PCS Ch600 FLAT -Left/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.198 mW/g

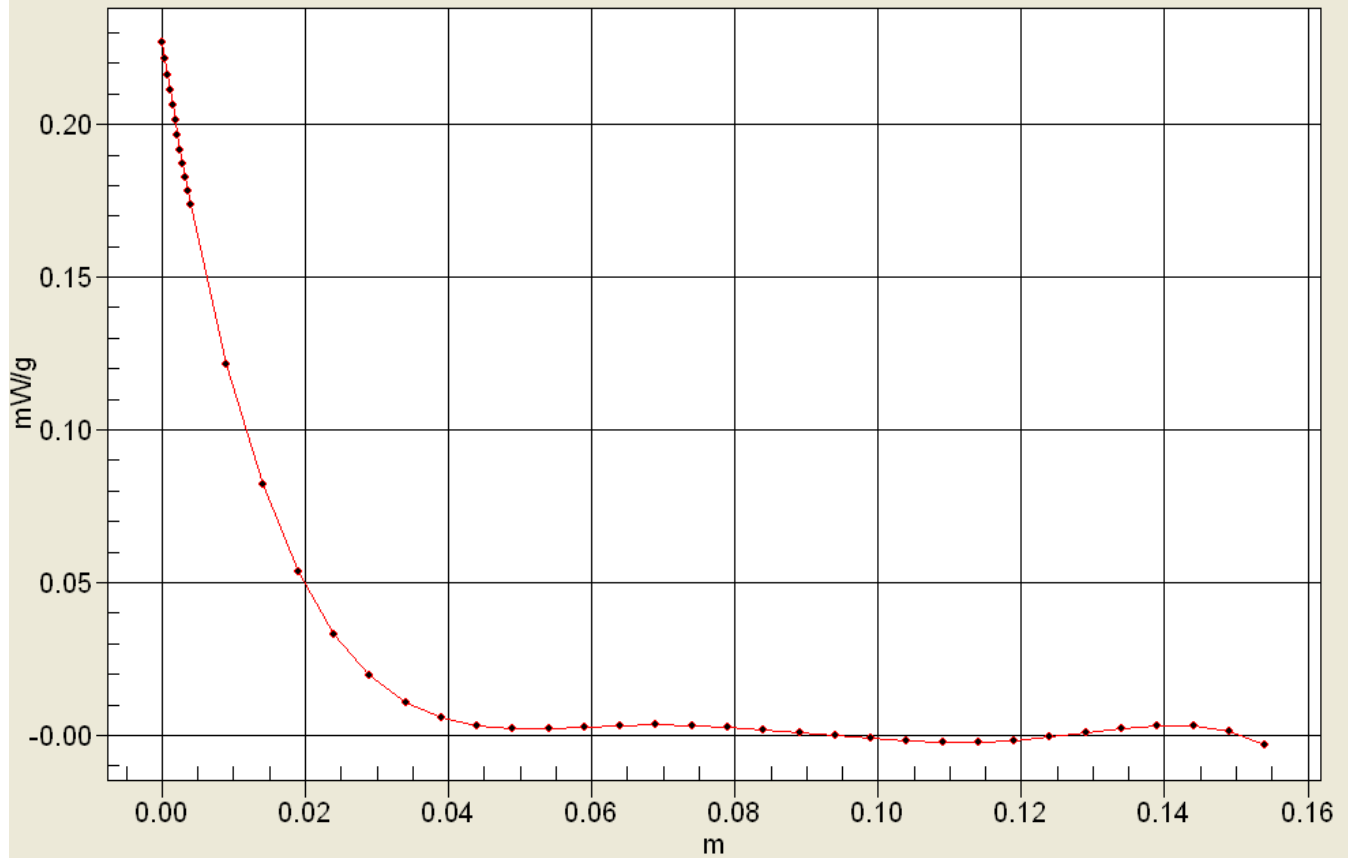


0 dB = 0.198mW/g



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

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



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 07/25/2012

FCC C5171 PCS Flat with 1cm Air Space, Right Ch. 600

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

Medium: M1900, Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.44, 4.44, 4.44), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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

PCS Ch600 FLAT - Right/Area Scan (91x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.375 mW/g

PCS Ch600 FLAT - Right/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.236 mW/g

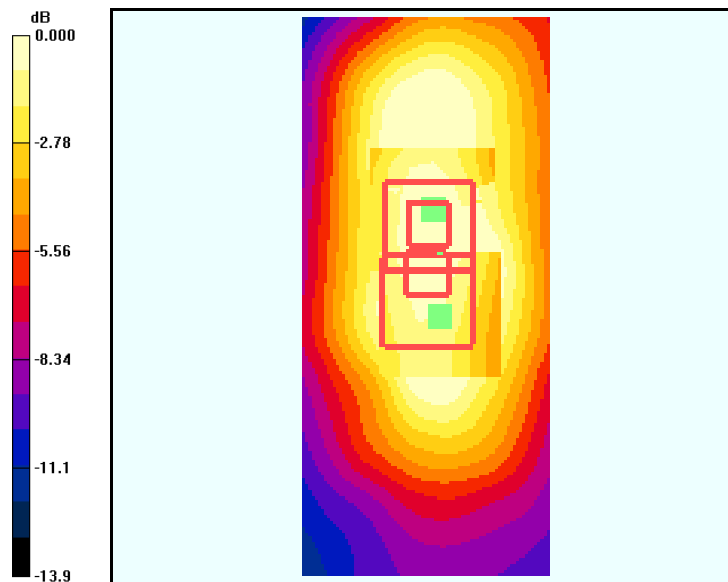
PCS Ch600 FLAT - Right/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.241 mW/g



0 dB = 0.241mW/g

Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 07/25/2012

FCC C5171 PCS Flat with 1cm Air Space, Bottom Ch. 600

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

Medium: M1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.44, 4.44, 4.44), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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

PCS Ch600 FLAT -Bottom/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.521 mW/g

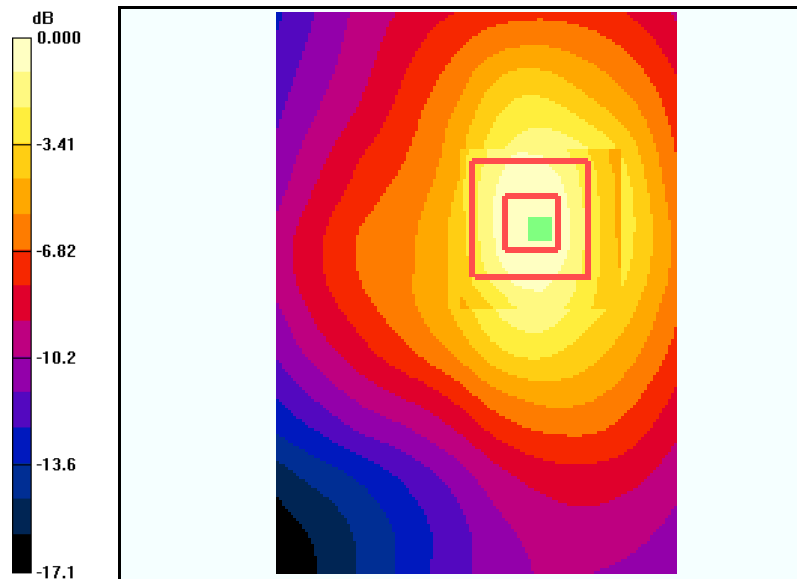
PCS Ch600 FLAT -Bottom/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 0.832 W/kg

SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.285 mW/g

Maximum value of SAR (measured) = 0.568 mW/g



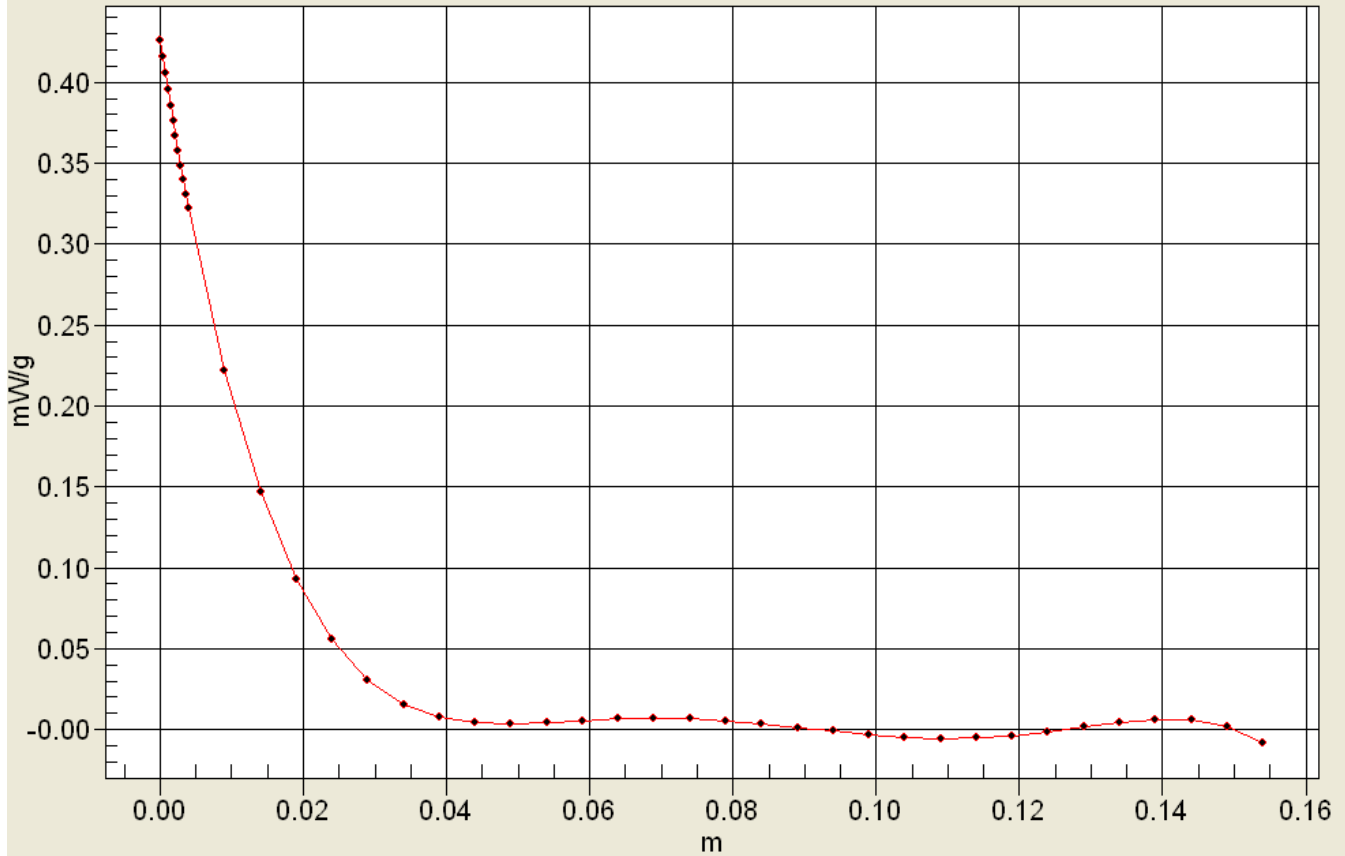
0 dB = 0.521mW/g



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Interpolated SAR(x,y,z,f0)

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



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

WIFI

Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/08/2012

FCC C5171 WiFi Flat with 1cm Air Space, Front Ch. 11

Communication System: WLAN-2450, Frequency: 2462 MHz, Duty Cycle: 1:1

Medium: M2450, Medium parameters used: $f = 2500$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.09, 4.09, 4.09), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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

802.11b 1Mbps ch11 Face UP/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.209 mW/g

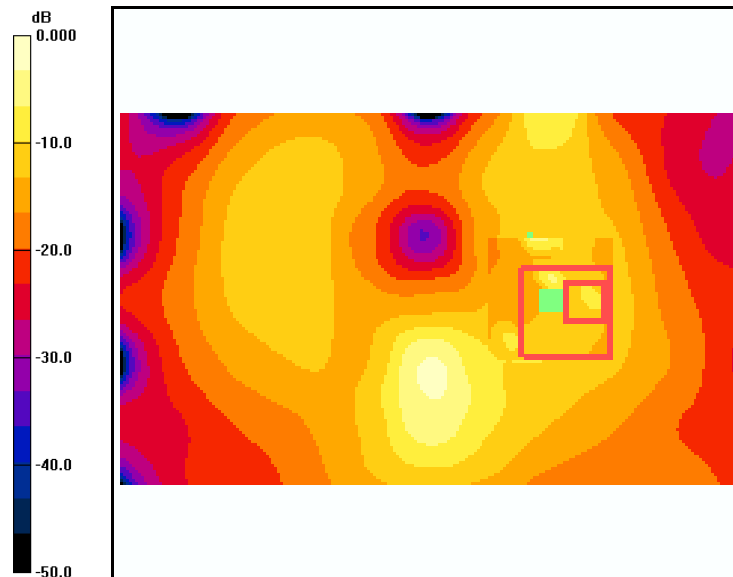
802.11b 1Mbps ch11 Face UP/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.57 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.080 mW/g



0 dB = 0.209mW/g

Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/08/2012

FCC C5171 WiFi Flat with 1cm Air Space, Back Ch. 11

Communication System: WLAN-2450, Frequency: 2462 MHz, Duty Cycle: 1:1

Medium: M2450, Medium parameters used: $f = 2500$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.09, 4.09, 4.09), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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

802.11b 1Mbps ch11 Face DOWN/Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.247 mW/g

802.11b 1Mbps ch11 Face DOWN/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.96 V/m; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.205 mW/g

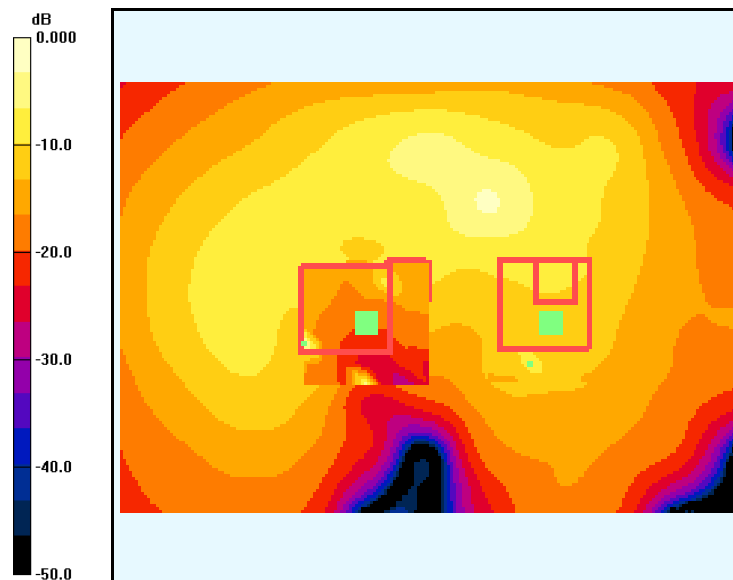
802.11b 1Mbps ch11 Face DOWN/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.96 V/m; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 0.119 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.013 mW/g

Maximum value of SAR (measured) = 0.053 mW/g



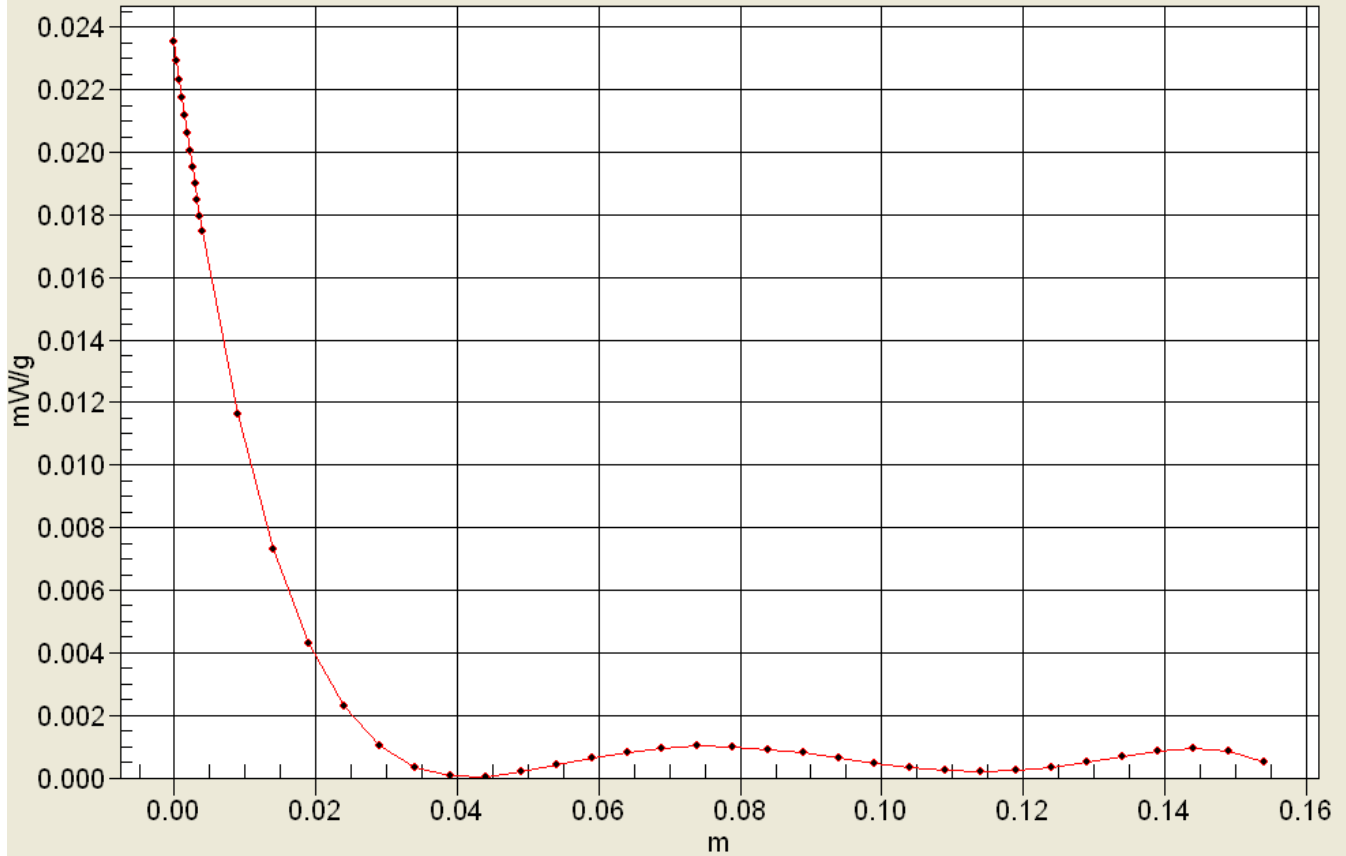
0 dB = 0.247mW/g



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Interpolated SAR(x,y,z,f0)

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



Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/08/2012

FCC C5171 WiFi Flat with 1cm Air Space, Left Ch. 11

Communication System: WLAN-2450, Frequency: 2462 MHz, Duty Cycle: 1:1

Medium: M2450, Medium parameters used: $f = 2500$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.09, 4.09, 4.09), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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

WLAN Ch11 FLAT -Left/Area Scan (91x31x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.081 mW/g

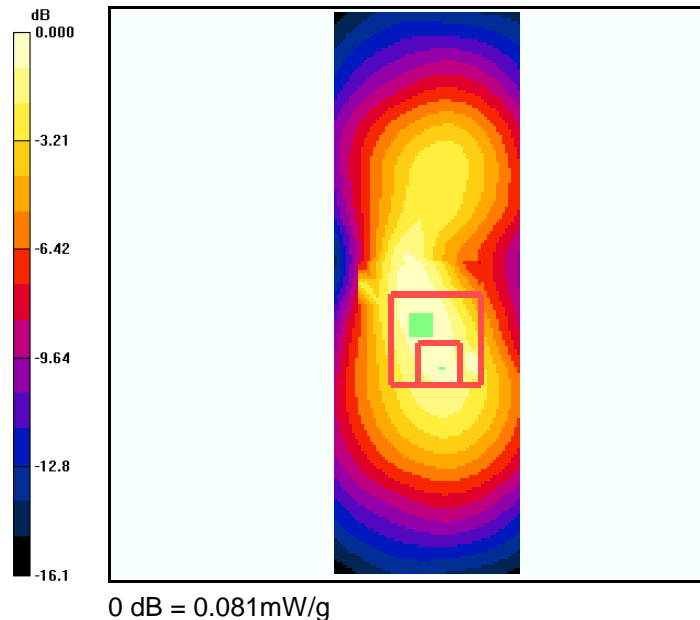
WLAN Ch11 FLAT -Left/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.67 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 0.895 W/kg

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.327 mW/g





Applicant:	Kyocera
FCC ID:	OVFC5171
Report #:	CT- C5171-9B3-0712-R0

Interpolated SAR(x,y,z,f0)

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

