

Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

EXHIBIT 9 APPENDIX B2: SAR DISTRIBUTION PLOTS (BODY)

CELL

Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/28/2011

FCC C5121 CDMA-800 Flat with 15mm Air Space, Face-Down Ch.1013, Closed

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; $\epsilon_r = 53.7$; $\rho = 1000$ 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 = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

CDMA-800 FLAT Face-Down Ch1013 CLOSED SO32 2 2/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.559 mW/g

CDMA-800 FLAT Face-Down Ch1013 CLOSED SO32 2 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

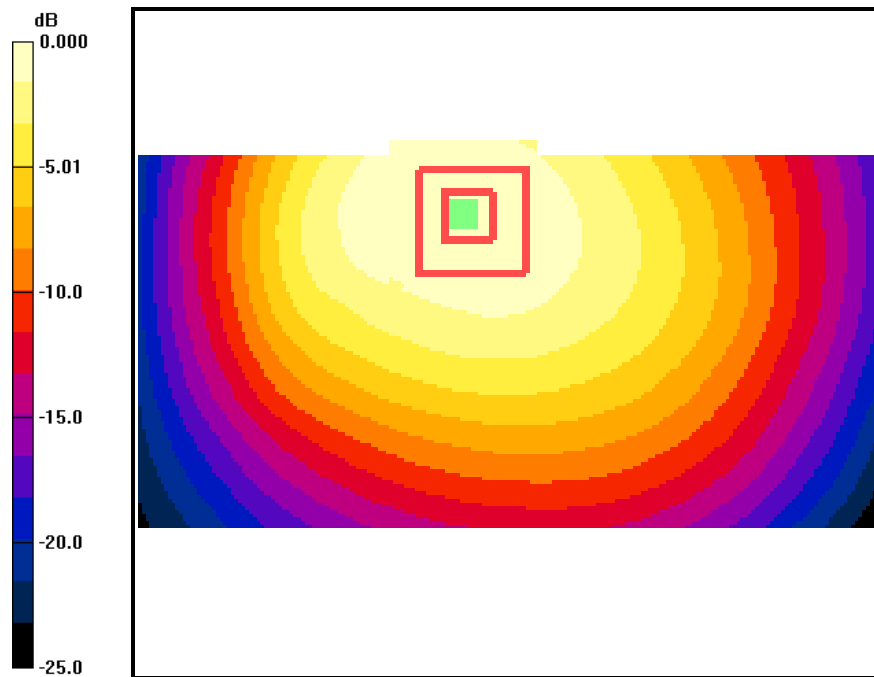
dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.741 W/kg

SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.379 mW/g

Maximum value of SAR (measured) = 0.570 mW/g



0 dB = 0.570mW/g

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Test Laboratory: Comptest/Kyocera

Date: 07/28/2011

FCC C5121 CDMA-800 Flat with 15mm Air Space, Face-Down Ch. 384, Closed

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

Medium: M800, Medium parameters used (interpolated): $f = 836.52 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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

CDMA-800 FLAT Face-Down Ch384 CLOSED SO32/Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.851 mW/g

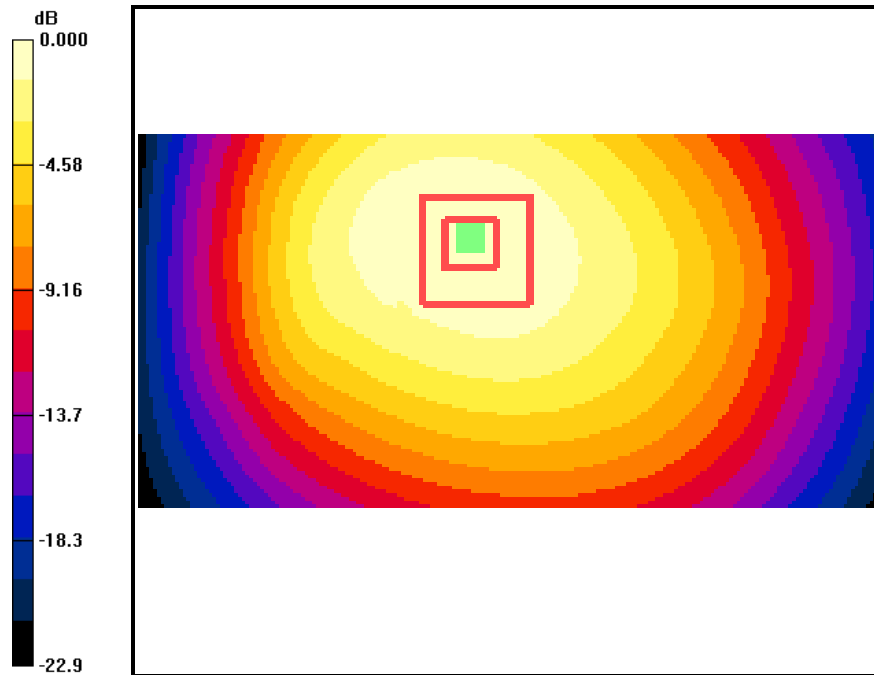
CDMA-800 FLAT Face-Down Ch384 CLOSED SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.4 V/m; Power Drift = 0.148 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.576 mW/g

Maximum value of SAR (measured) = 0.871 mW/g

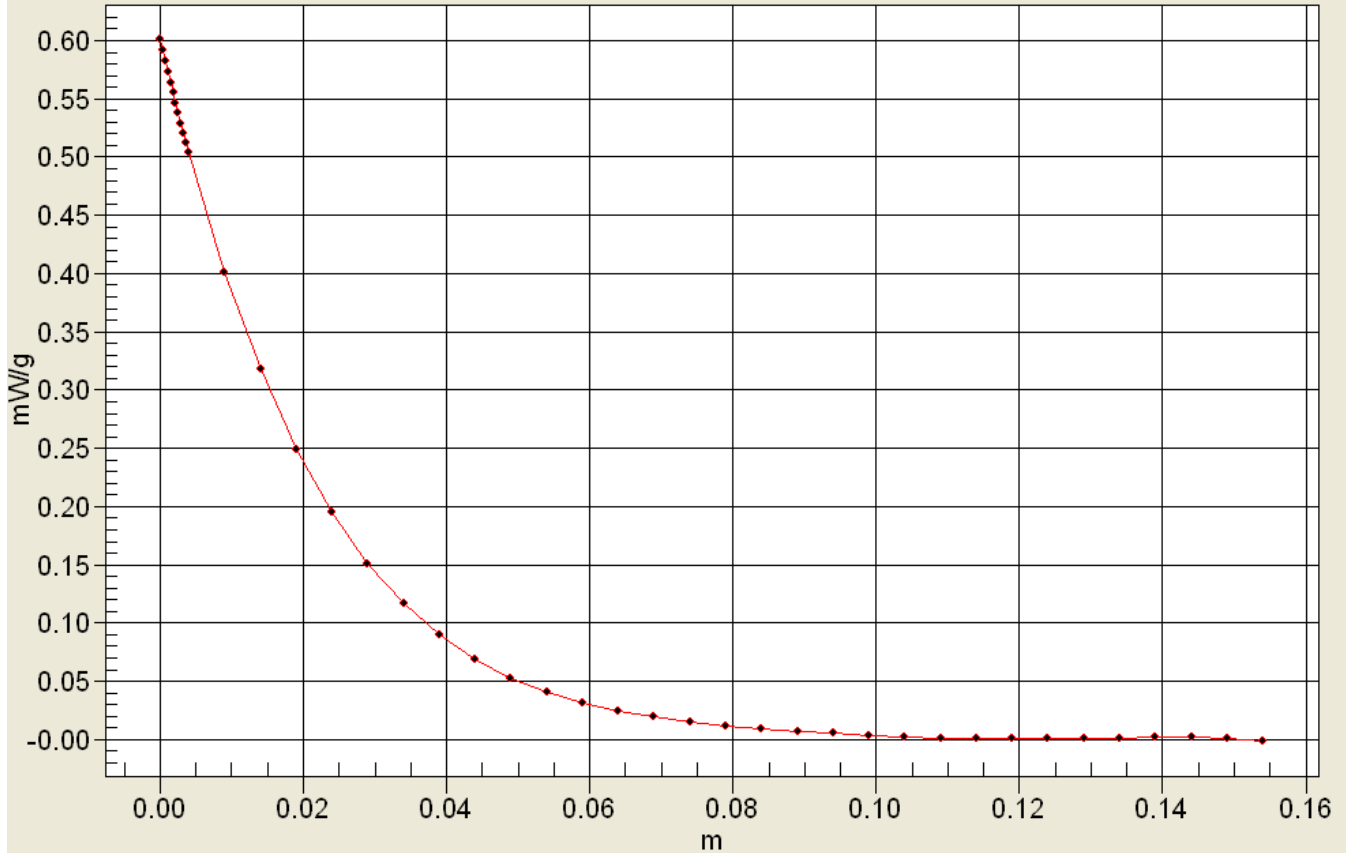


0 dB = 0.871mW/g



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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: 07/28/2011

FCC C5121 CDMA-800 Flat with 15mm Air Space, Face-Down Ch. 777, Closed

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; $\epsilon_r = 53.7$; $\rho = 1000$ 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 = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

CDMA-800 FLAT Face-Down Ch777 CLOSED SO32 2/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.688 mW/g

CDMA-800 FLAT Face-Down Ch777 CLOSED SO32 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

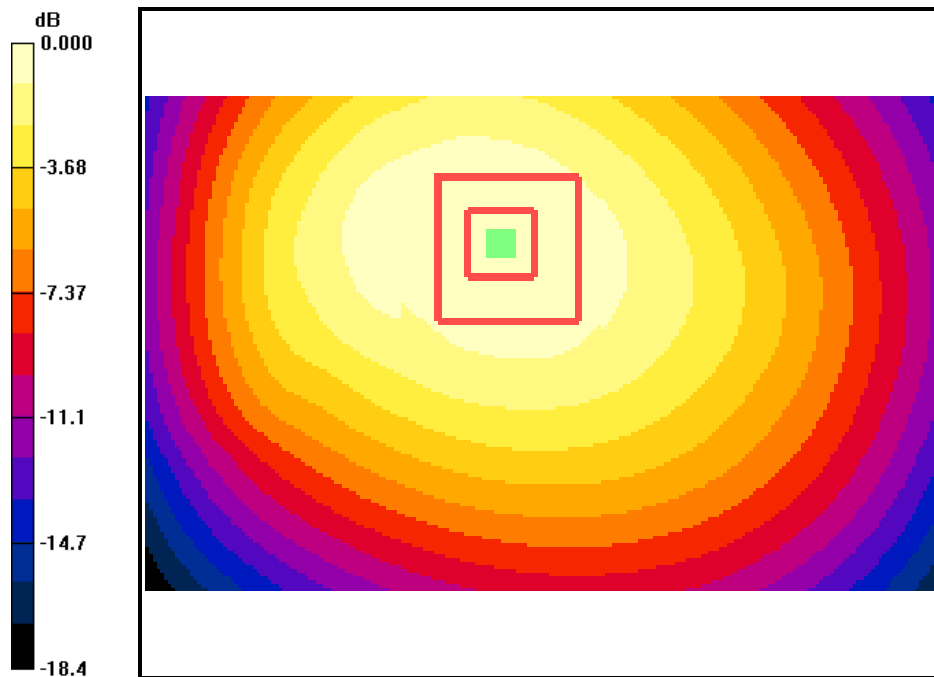
dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.5 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (measured) = 0.694 mW/g



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Date: 07/28/2011

FCC C5121CDMA-800 Flat with 15mm Air Space, Face-Up Ch. 384, Closed

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

Medium: M800, Medium parameters used (interpolated): $f = 836.52 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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

CDMA-800 FLAT Face-Up Ch384 CLOSED SO32/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.354 mW/g

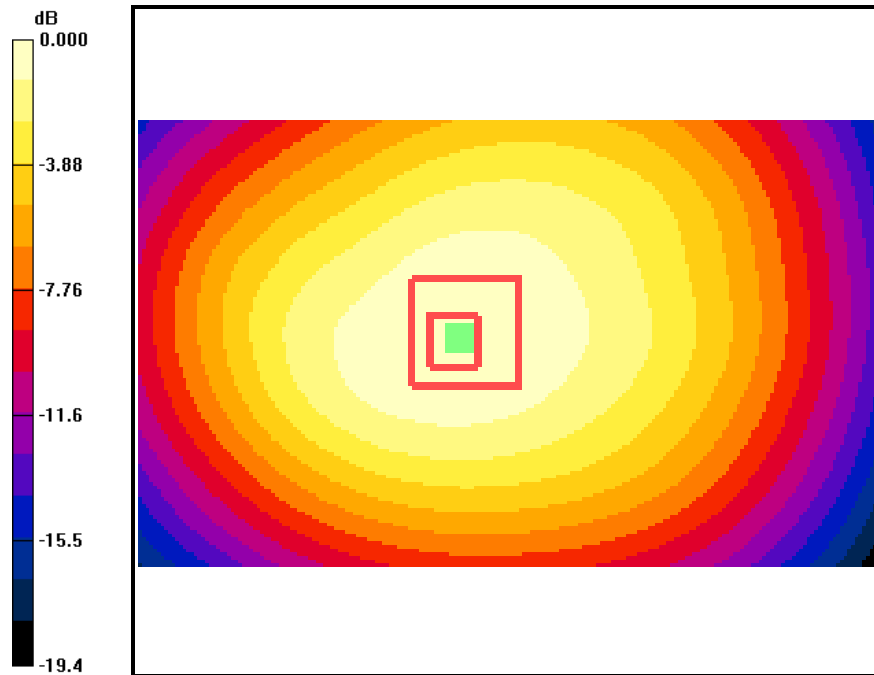
CDMA-800 FLAT Face-Up Ch384 CLOSED SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.4 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.245 mW/g

Maximum value of SAR (measured) = 0.355 mW/g



0 dB = 0.355mW/g

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Test Laboratory: Comptest/Kyocera

Date: 07/28/2011

FCC C5121 CDMA-800 Flat with 15mm Air Space, Face-Down Ch. 384, Open

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 = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

CDMA-800 FLAT Face-Down Ch384 OPEN SO32 2/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.786 mW/g

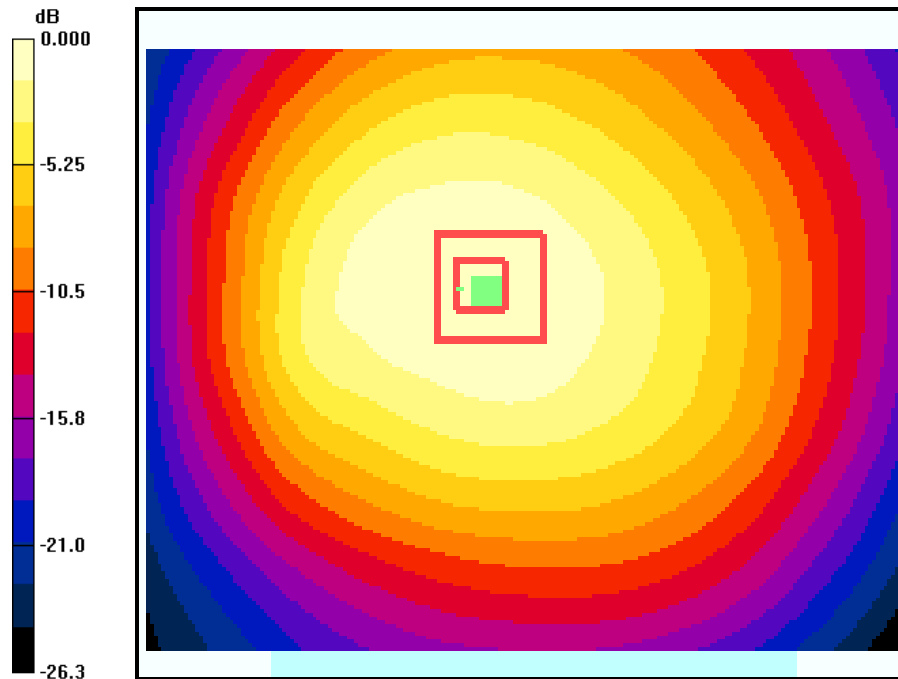
CDMA-800 FLAT Face-Down Ch384 OPEN SO32 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.8 V/m; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.531 mW/g

Maximum value of SAR (measured) = 0.787 mW/g



0 dB = 0.787mW/g

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FCC C5121 CDMA-800 Flat with 15mm Air Space, Face-Up Ch. 384, Open

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

Medium: M800, Medium parameters used (interpolated): $f = 836.52 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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

CDMA-800 FLAT Face-Up Ch384 OPEN SO32/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.346 mW/g

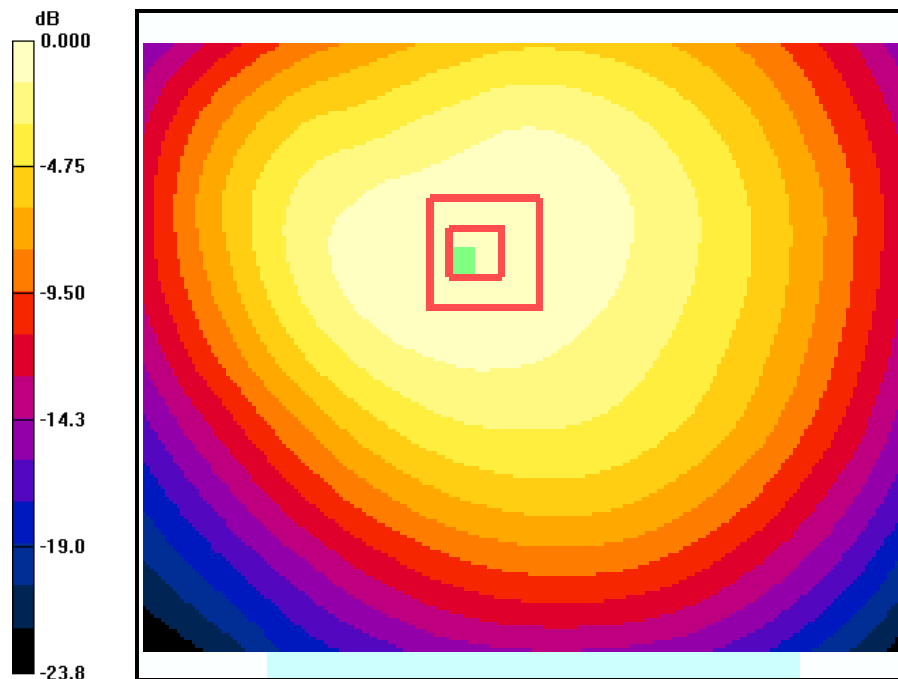
CDMA-800 FLAT Face-Up Ch384 OPEN SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 0.448 W/kg

SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.235 mW/g

Maximum value of SAR (measured) = 0.345 mW/g



0 dB = 0.345mW/g

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AWS

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FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/19/2011

FCC C5121 CDMA-1700 Flat with 15mm Air Space, Face-Down Ch. 450, Closed

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.97, 4.97, 4.97), Calibrated: 8/11/2010

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 FLAT Face-Down Ch450 CLOSED SO32/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.556 mW/g

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

Reference Value = 15.5 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 0.820 W/kg

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.329 mW/g

Maximum value of SAR (measured) = 0.614 mW/g

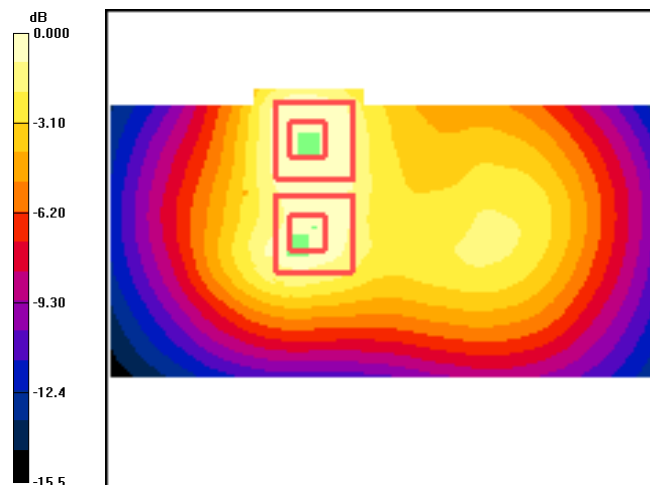
CDMA-1700 FLAT Face-Down Ch450 CLOSED SO32/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.513 mW/g



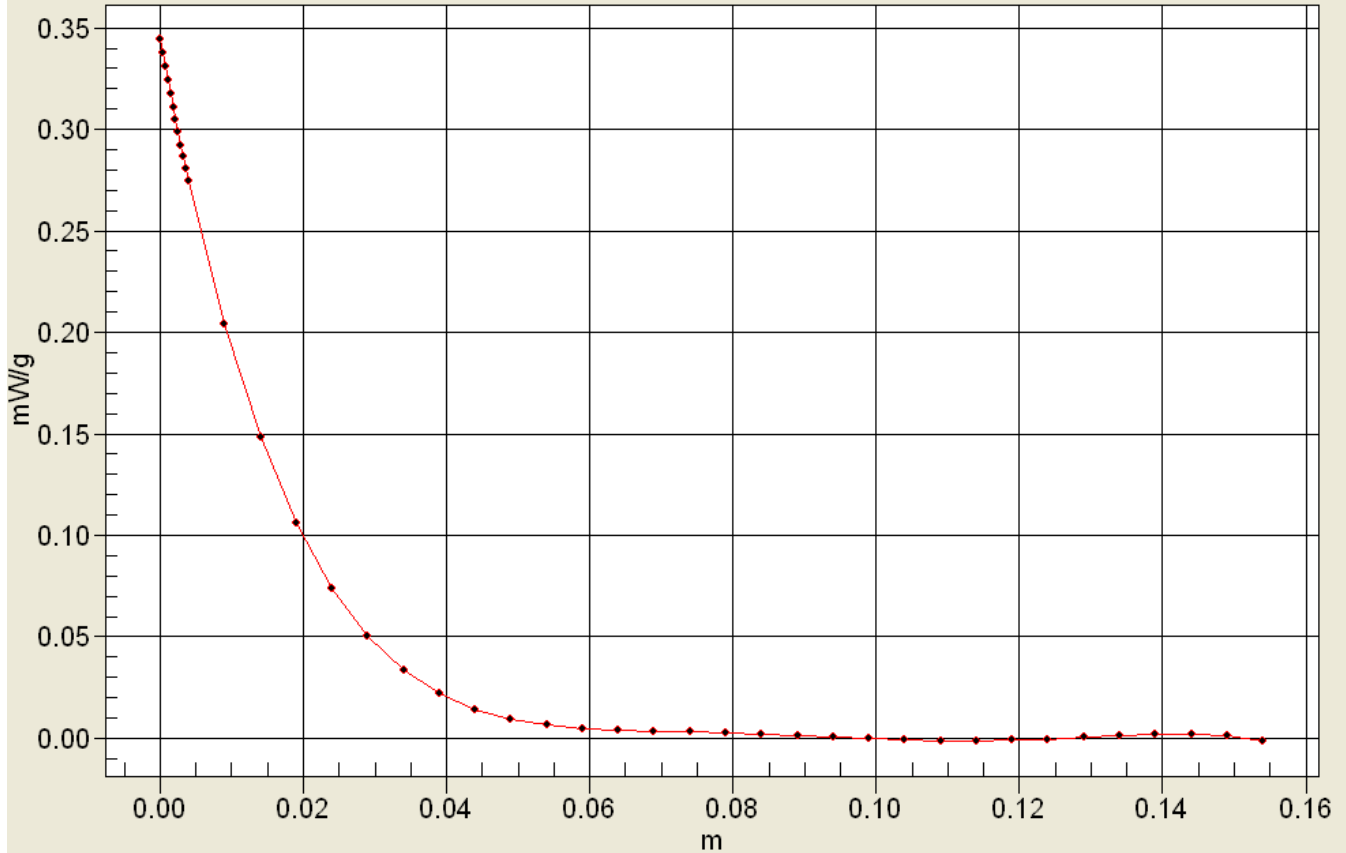
0 dB = 0.513mW/g



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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: 07/19/2011

FCC C5121CDMA-1700 Flat with 15mm Air Space, Face-Up Ch. 450, Closed

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.97, 4.97, 4.97), Calibrated: 8/11/2010

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 FLAT Face-Up Ch450 CLOSED SO32/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.305 mW/g

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

Reference Value = 7.59 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.380 W/kg

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.310 mW/g

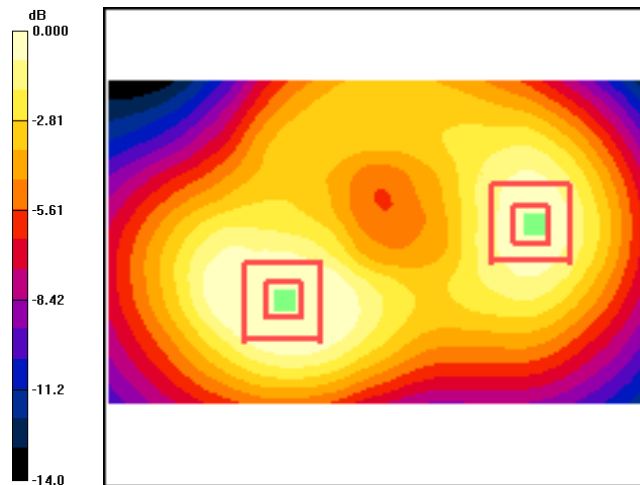
CDMA-1700 FLAT Face-Up Ch450 CLOSED SO32/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.59 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.227 mW/g



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Test Laboratory: Comptest/Kyocera

Date: 07/19/2011

FCC C5121 CDMA-1700 Flat with 15mm Air Space, Face-Down Ch. 450, Open

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.97, 4.97, 4.97), Calibrated: 8/11/2010

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 OPEN SO32 2/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

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

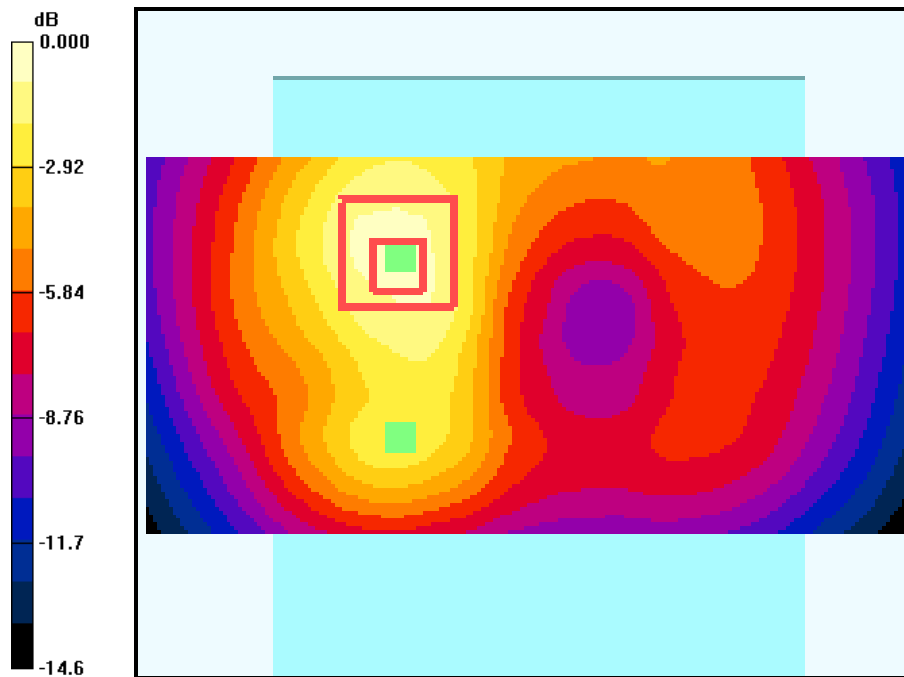
CDMA-1700 FLAT Face-Down Ch450 OPEN SO32 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.65 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.776 W/kg

SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.307 mW/g

Maximum value of SAR (measured) = 0.570 mW/g



0 dB = 0.570mW/g

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Date: 07/19/2011

FCC C5121 CDMA-1700 Flat with 15mm Air Space, Face-Up Ch. 450, Open

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

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(4.97, 4.97, 4.97), Calibrated: 8/11/2010

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

Maximum value of SAR (interpolated) = 0.413 mW/g

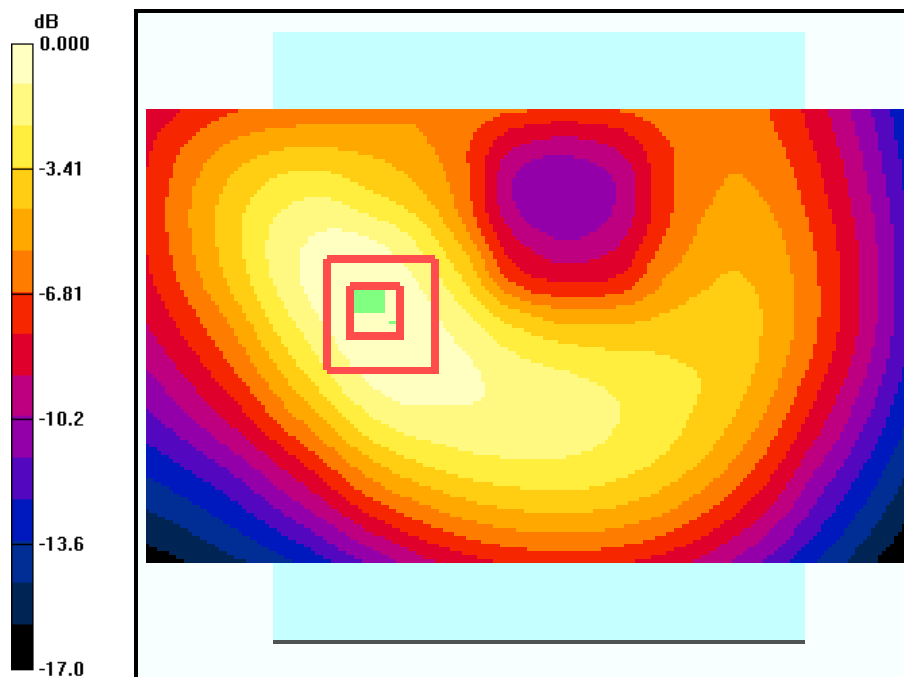
CDMA-1700 FLAT Face-Up Ch450 OPEN SO32/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = -0.086 dB

Peak SAR (extrapolated) = 0.484 W/kg

SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 0.407 mW/g



0 dB = 0.407mW/g

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PCS

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Test Laboratory: Comptest/Kyocera

Date: 07/14/2011

FCC C5121 CDMA-1900 Flat with 15mm Air Space, Face-Down Ch. 25, Closed

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

Medium: M1800, Medium parameters used (interpolated): $f = 1851.25 \text{ MHz}$; $\sigma = 1.47 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

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

CDMA-1900 FLAT Ch25 Face Down Closed/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.475 mW/g

CDMA-1900 FLAT Ch25 Face Down Closed/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.1 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.260 mW/g

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

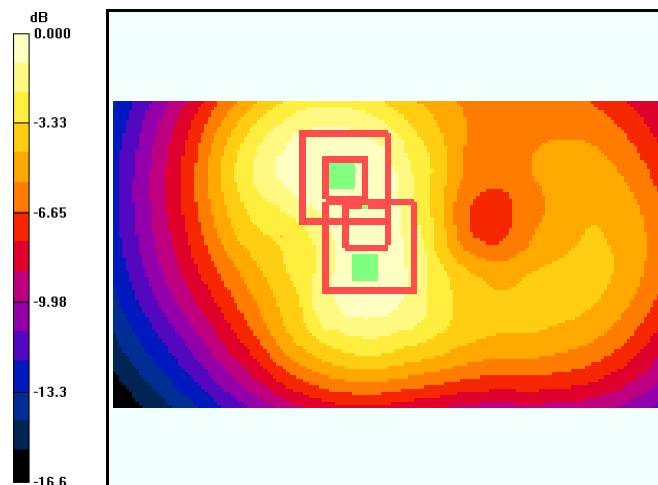
CDMA-1900 FLAT Ch25 Face Down Closed/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.1 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.425 mW/g



0 dB = 0.425mW/g

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Date: 07/14/2011

FCC C5121CDMA-1900 Flat with 15mm Air Space, Face-Up Ch. 25, Closed

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

Medium: M1800, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ 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 = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

CDMA-1900 FLAT - Face Up Ch25 Closed/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.242 mW/g

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

Reference Value = 7.23 V/m; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.142 mW/g

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

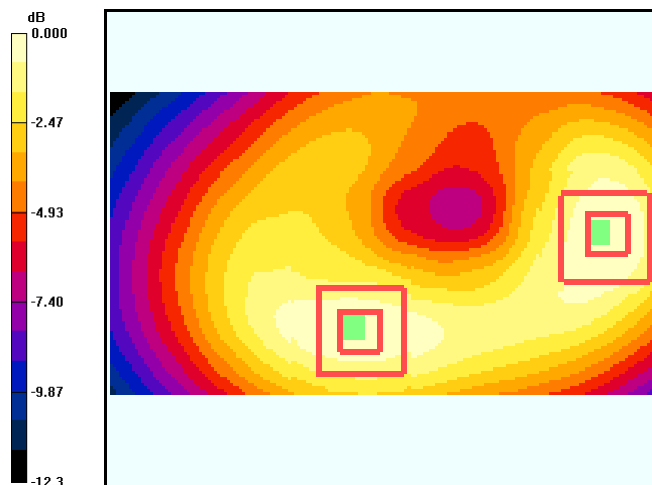
CDMA-1900 FLAT - Face Up Ch25 Closed/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.23 V/m; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.231 mW/g



Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/14/2011

FCC C5121 CDMA-1900 Flat with 15mm Air Space, Face-Up Ch. 25, Open

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

Medium: M1800, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ 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 - Face Up Ch25 Open/Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.566 mW/g

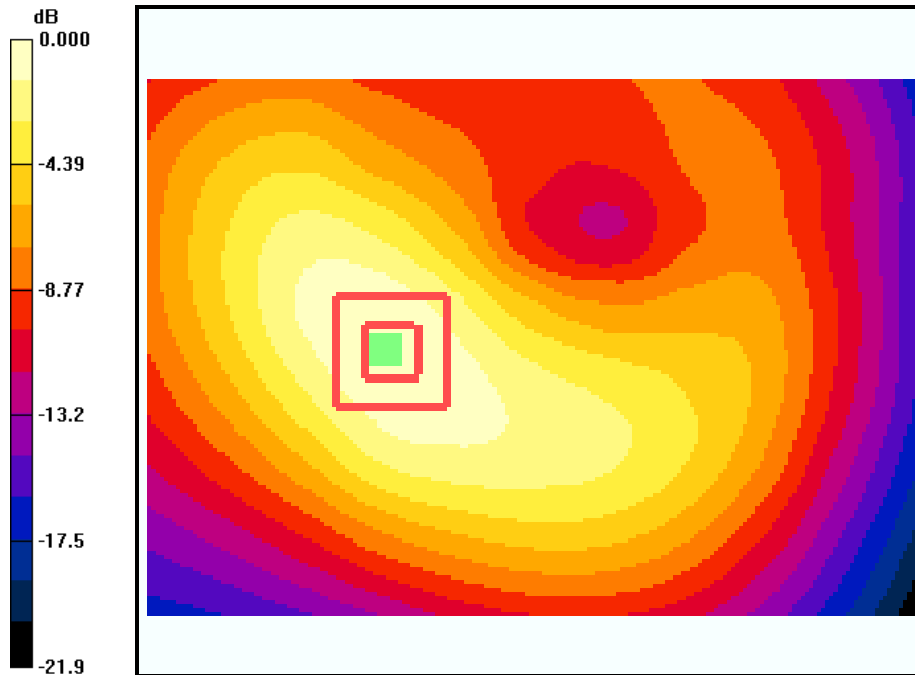
CDMA-1900 FLAT - Face Up Ch25 Open/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.757 W/kg

SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.567 mW/g

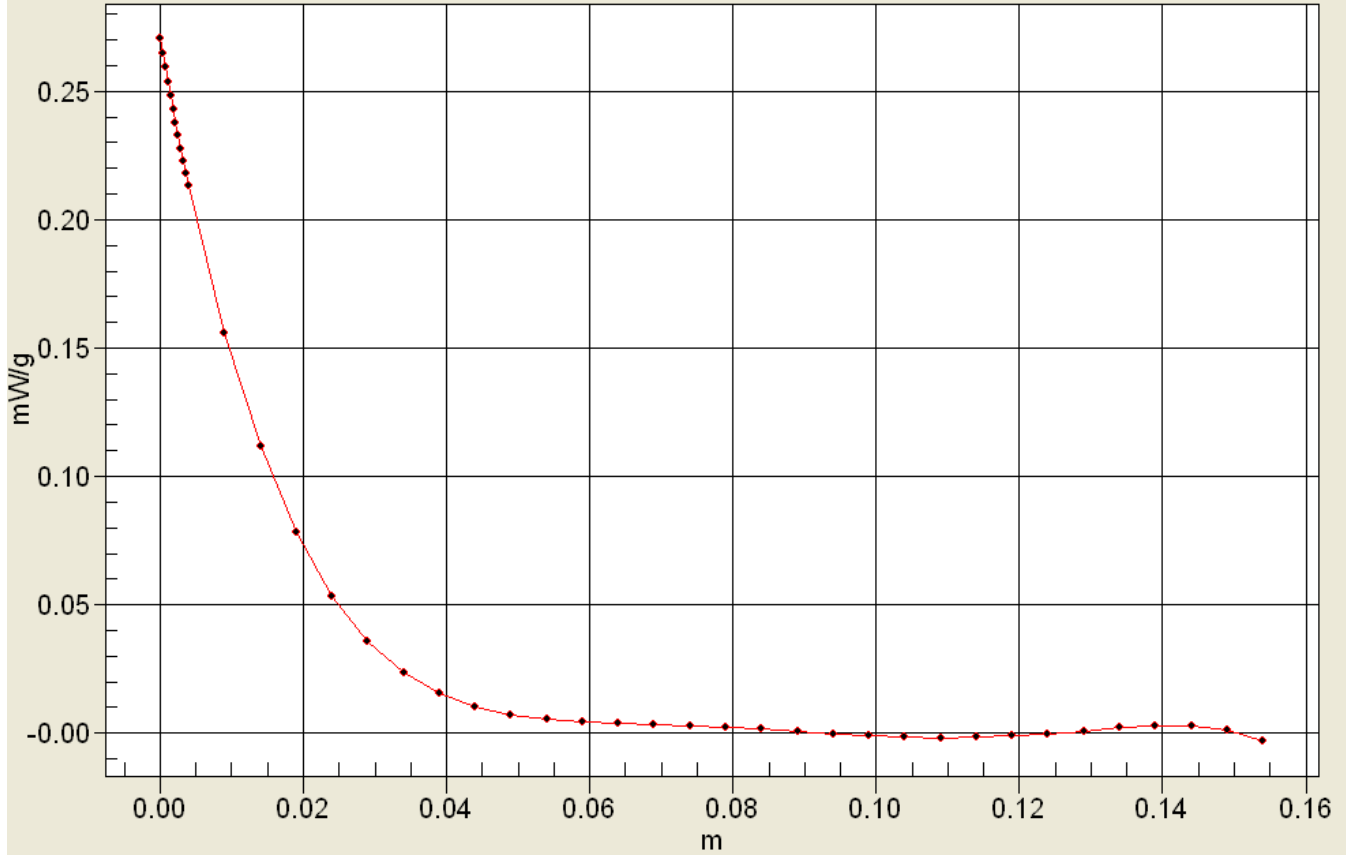


0 dB = 0.567mW/g



Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

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



Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/14/2011

FCC C5121 CDMA-1900 Flat with 15mm Air Space, Face-Down Ch. 25, Open

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

Medium: M1800, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ 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 Ch25 Face Down Open/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.494 mW/g

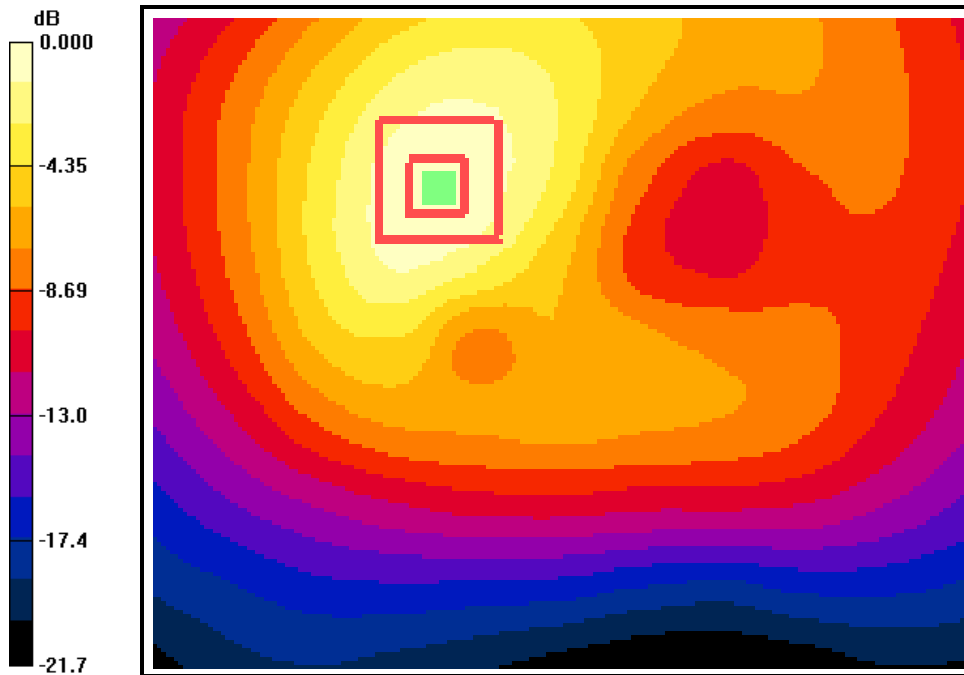
CDMA-1900 FLAT Ch25 Face Down Open/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.84 V/m; Power Drift = -0.171 dB

Peak SAR (extrapolated) = 0.694 W/kg

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.298 mW/g

Maximum value of SAR (measured) = 0.513 mW/g



0 dB = 0.513mW/g

Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

WLAN

Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/25/2011

FCC C5121 WLAN-2450 Flat with 15mm Air Space, Face Down Ch. 1, Closed

Communication System: WLAN-2450, Frequency: 2412 MHz, Duty Cycle: 1:1

Medium: M2450, Medium parameters used: $f = 2400$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.24, 4.24, 4.24), 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-2450 FLAT - Face Down Ch1/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.040 mW/g

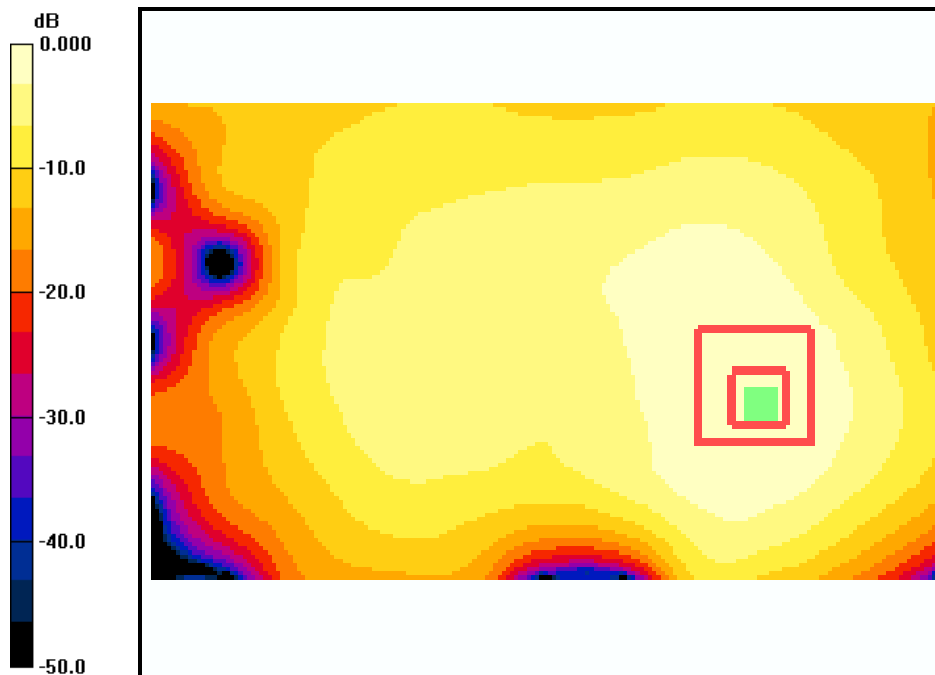
CDMA-2450 FLAT - Face Down Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.05 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.068 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.040 mW/g



0 dB = 0.040mW/g

Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/25/2011

FCC C5121 WLAN-2450 Flat with 15mm Air Space, Face Up Ch. 1, Closed

Communication System: WLAN-2450, Frequency: 2412 MHz, Duty Cycle: 1:1

Medium: M2450, Medium parameters used: $f = 2400$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.24, 4.24, 4.24), 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-2450 FLAT Ch1 Face Up Closed/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.032 mW/g

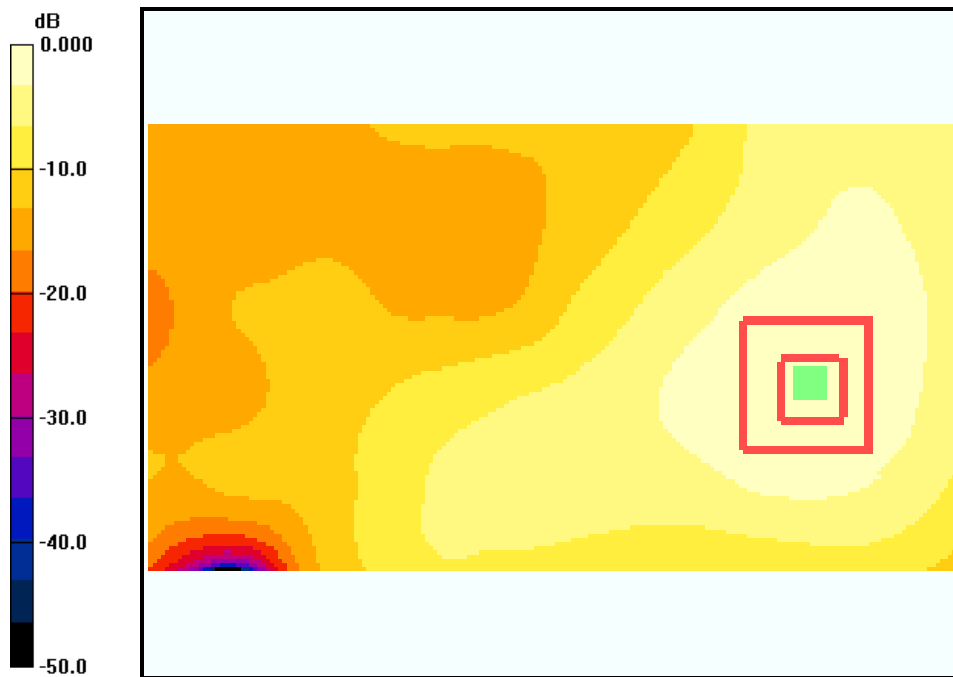
CDMA-2450 FLAT Ch1 Face Up Closed/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.28 V/m; Power Drift = 0.078 dB

Peak SAR (extrapolated) = 0.050 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.033 mW/g



0 dB = 0.033mW/g

Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/25/2011

FCC C5121 WLAN-2450 Flat with 15mm Air Space, Face Down Ch. 1, Open

Communication System: WLAN-2450, Frequency: 2412 MHz, Duty Cycle: 1:1

Medium: M2450, Medium parameters used: $f = 2400$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.24, 4.24, 4.24), 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-2450 FLAT Ch1 Face Down Open/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.070 mW/g

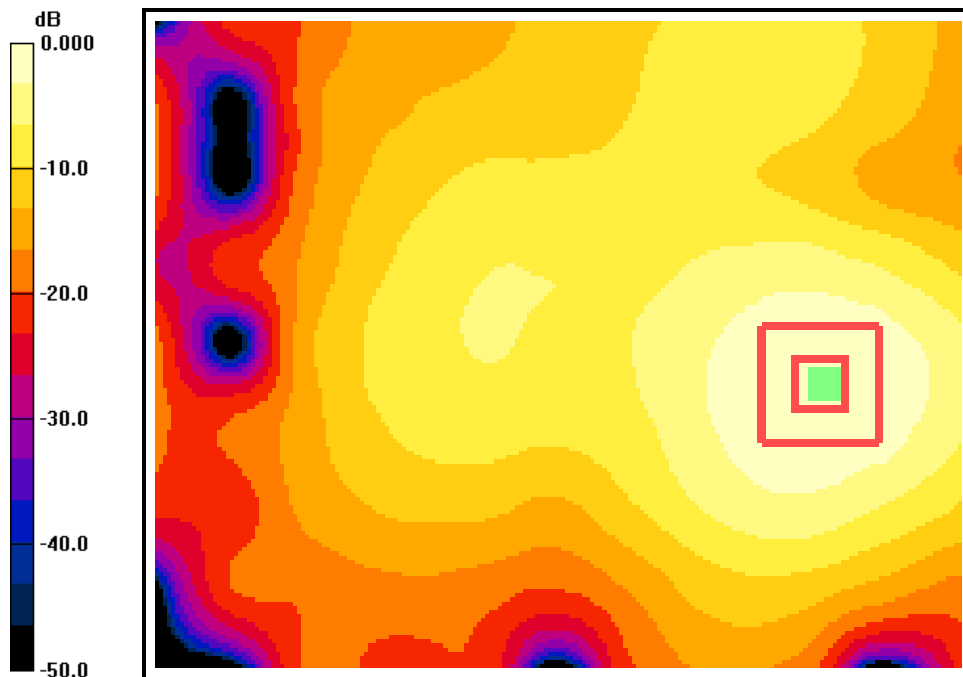
CDMA-2450 FLAT Ch1 Face Down Open/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.89 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.111 W/kg

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.069 mW/g

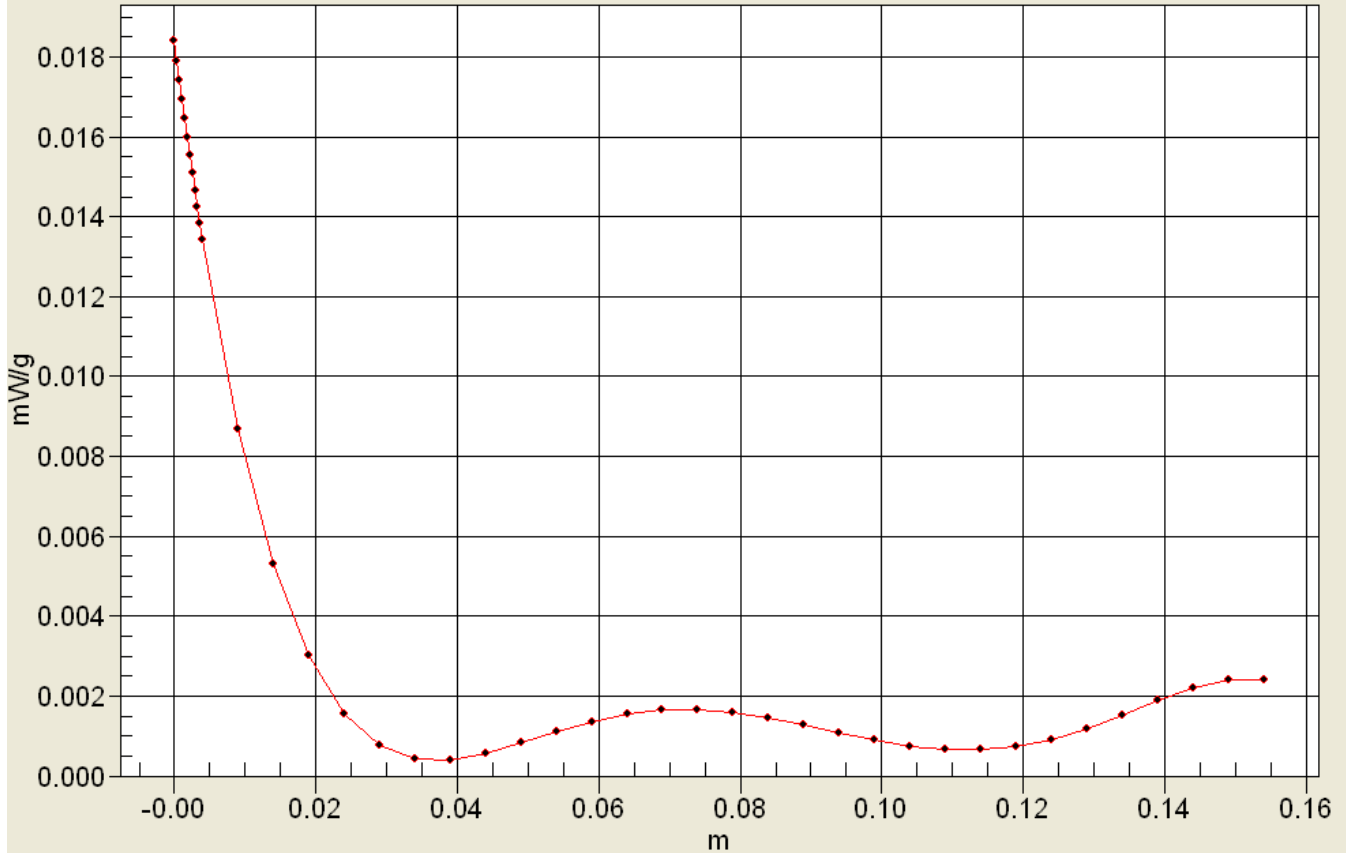


0 dB = 0.069mW/g



Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

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



Applicant	Kyocera
FCC ID:	OVFC51213CD
IC#:	3572A-C5121
Report #:	CT- C5121-9B2-0711-R0

Test Laboratory: Comptest/Kyocera

Date: 07/25/2011

FCC C5121 WLAN-2450 Flat with 15mm Air Space, Face Up Ch. 1, Open

Communication System: WLAN-2450, Frequency: 2412 MHz, Duty Cycle: 1:1

Medium: M2450, Medium parameters used: $f = 2400$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.24, 4.24, 4.24), 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-2450 FLAT - Face Up Ch1 Open/Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.036 mW/g

CDMA-2450 FLAT - Face Up Ch1 Open/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.94 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 0.059 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.036 mW/g

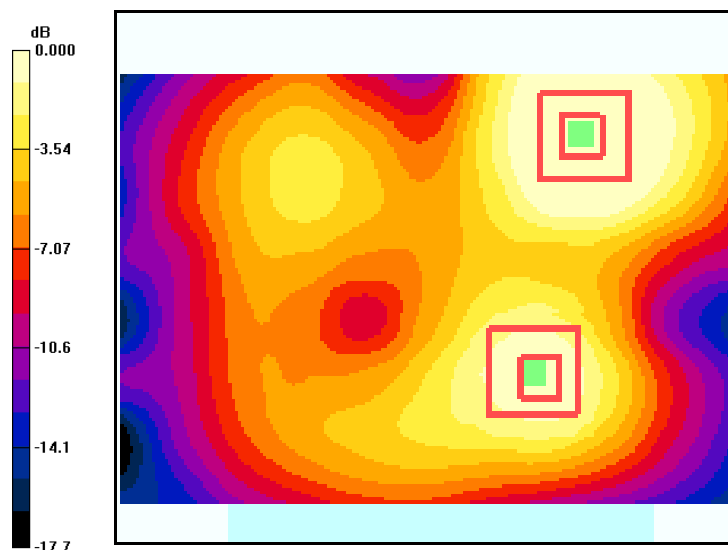
CDMA-2450 FLAT - Face Up Ch1 Open/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.94 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 0.039 W/kg

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

Maximum value of SAR (measured) = 0.023 mW/g



0 dB = 0.023mW/g