



Applicant	Kyocera
FCC ID:	V65C5171
Report #:	CT- C5171-9B2-0712-R0

**EXHIBIT 9 APPENDIX B2: SAR DISTRIBUTION PLOTS (BODY)**

**CELL**

Applicant	Kyocera
FCC ID:	V65C5171
Report #:	CT- C5171-9B2-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/09/2012

**FCC C5171 CELL Flat with 15mm Air Space, Face Down 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/m<sup>3</sup>

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 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

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

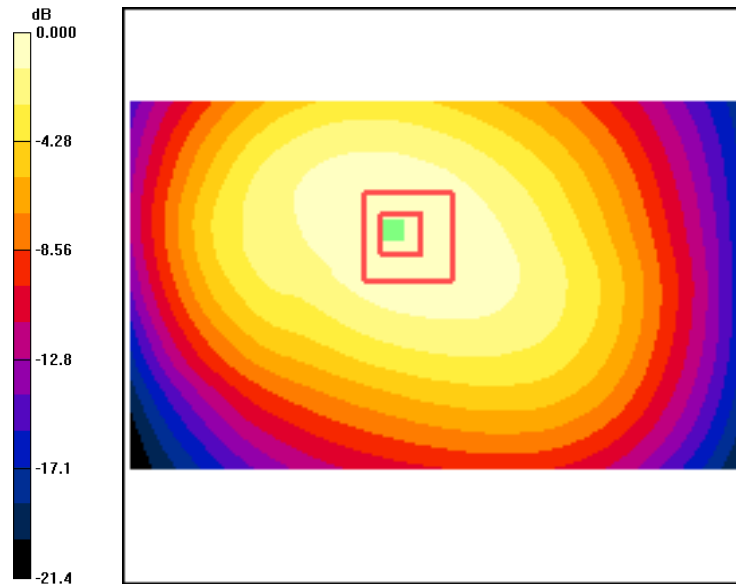
**CDMA-800 FLAT Face Down Ch1013/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.9 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.765 W/kg

**SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.434 mW/g**

Maximum value of SAR (measured) = 0.619 mW/g



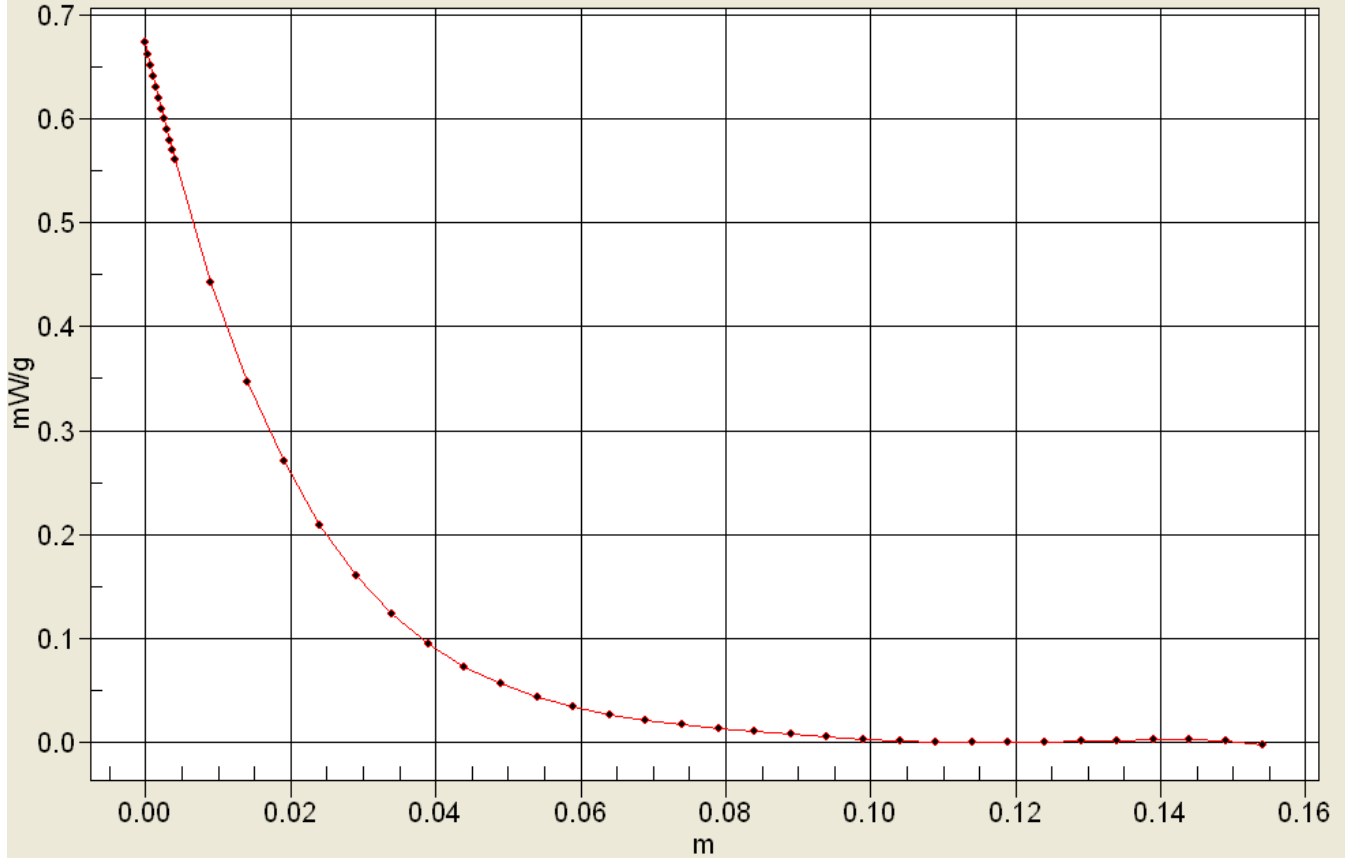
0 dB = 0.615mW/g



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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 15mm Air Space, Face Up 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/m<sup>3</sup>

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 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Maximum value of SAR (interpolated) = 0.477 mW/g

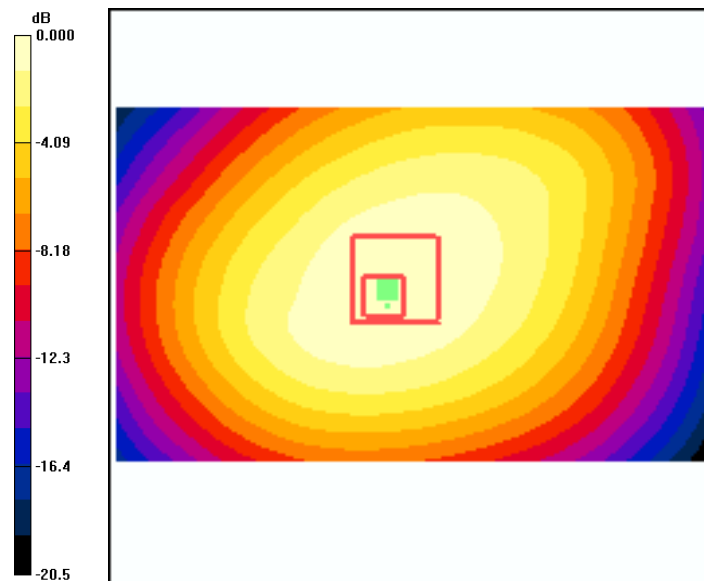
**CDMA-800 FLAT - Face Up Ch1013/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.347 mW/g**

Maximum value of SAR (measured) = 0.493 mW/g



0 dB = 0.477mW/g

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## AWS

Applicant	Kyocera
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Report #:	CT- C5171-9B2-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/06/2012

**FCC C5171 CDMA-1700 Flat with 15mm Air Space, Face Down Ch. 450**

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

Medium: M1700, Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Maximum value of SAR (interpolated) = 0.503 mW/g

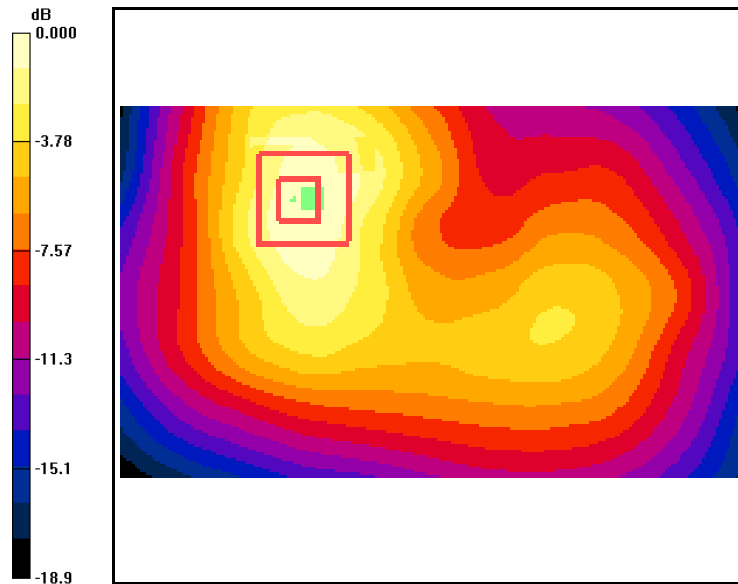
**CDMA-1700 FLAT - Face Down Ch450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = 0.110 dB

Peak SAR (extrapolated) = 0.708 W/kg

**SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.286 mW/g**

Maximum value of SAR (measured) = 0.515 mW/g



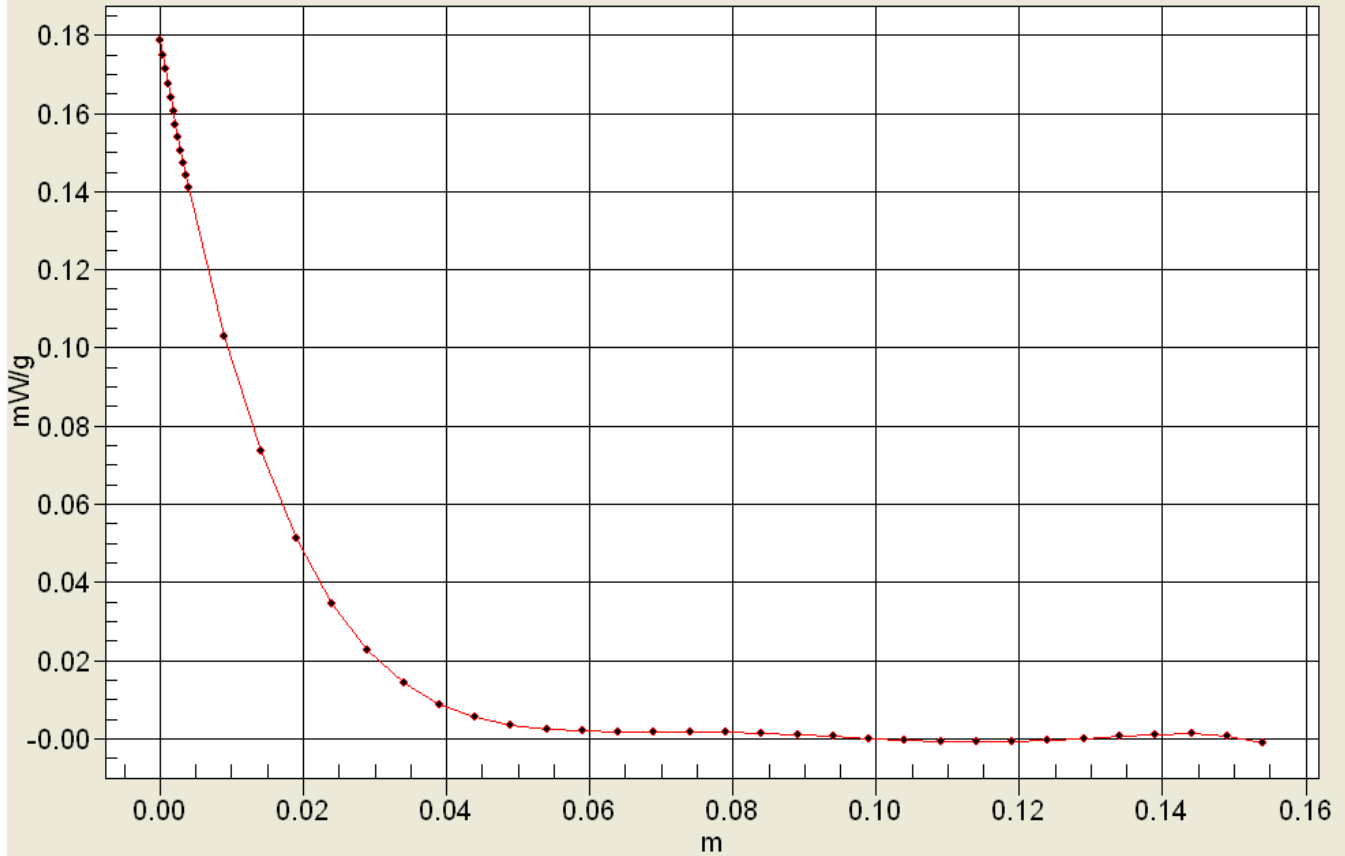
0 dB = 0.503mW/g



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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 CDMA-1700 Flat with 15mm Air Space, Face Up Ch. 450**

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

Medium: M1700, Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Maximum value of SAR (interpolated) = 0.447 mW/g

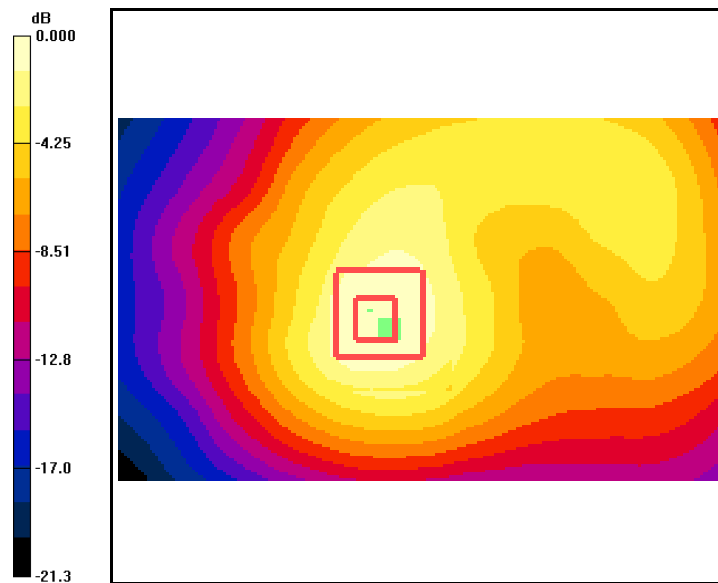
**CDMA-1700 FLAT - Face Up Ch450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.636 W/kg

**SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.260 mW/g**

Maximum value of SAR (measured) = 0.458 mW/g



0 dB = 0.447mW/g



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## PCS

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Test Laboratory: Comptest/Kyocera

Date: 07/24/2012

**FCC C5171 PCS Flat with 15mm Air Space, Face Down 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/m<sup>3</sup>

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 FLAT - Face Down Ch600/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.667 mW/g

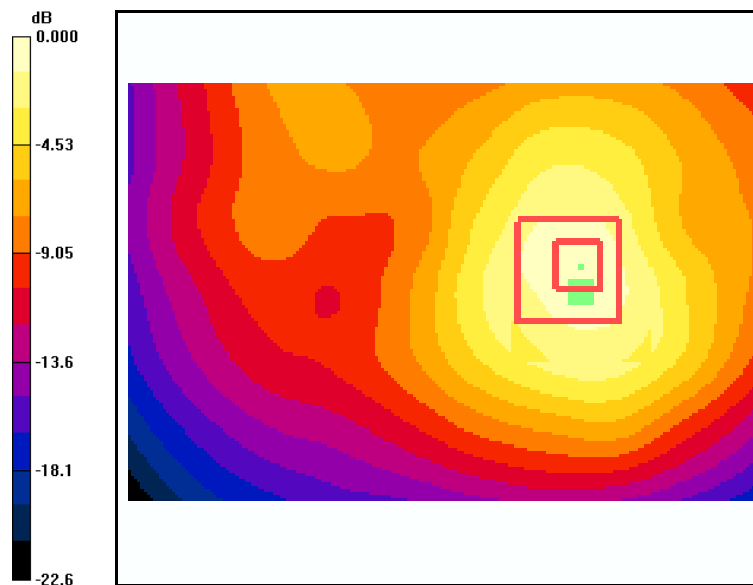
**CDMA-1900 FLAT - Face Down Ch600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = 0.122 dB

Peak SAR (extrapolated) = 0.938 W/kg

**SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.348 mW/g**

Maximum value of SAR (measured) = 0.641 mW/g



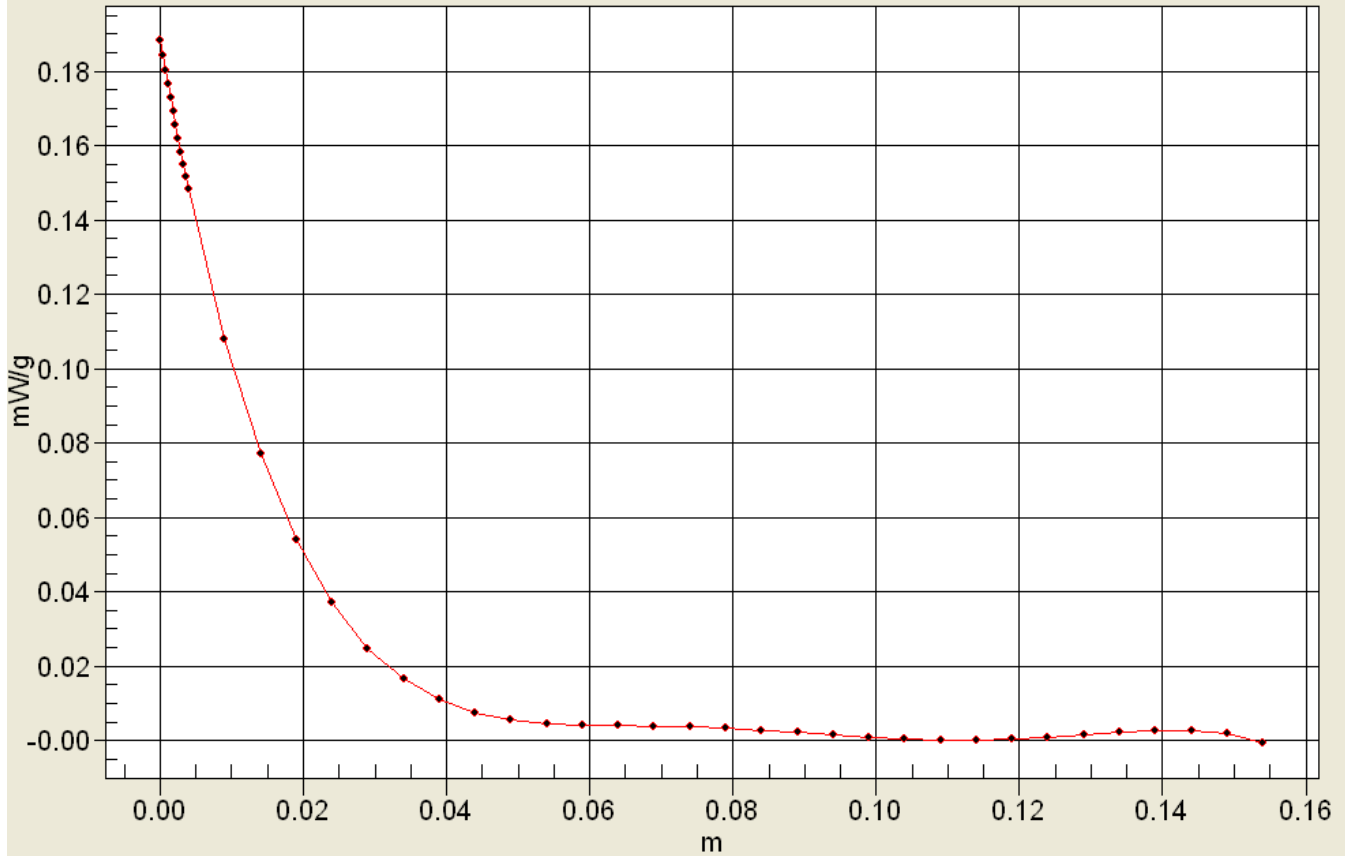
0 dB = 0.667mW/g



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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: 07/24/2012

**FCC C5171 PCS Flat with 15mm Air Space, Face Up 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/m<sup>3</sup>

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 FLAT - Face Up Ch600 Closed/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

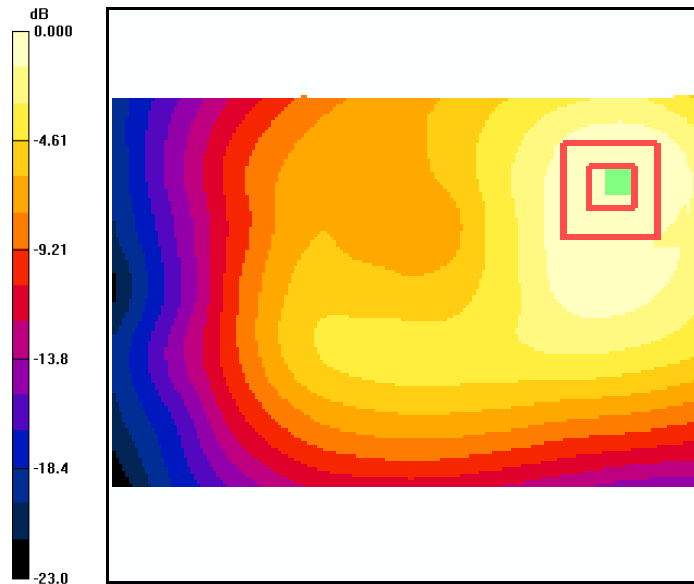
**CDMA-1900 FLAT - Face Up Ch600 Closed/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 0.716 W/kg

**SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.311 mW/g**

Maximum value of SAR (measured) = 0.512 mW/g



0 dB = 0.532mW/g

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## WIFI

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Report #:	CT- C5171-9B2-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/08/2012

**FCC C5171 WiFi Flat with 15mm Air Space, Face Down 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/m<sup>3</sup>

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 11Mbps ch11 Face DOWN/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.063 mW/g

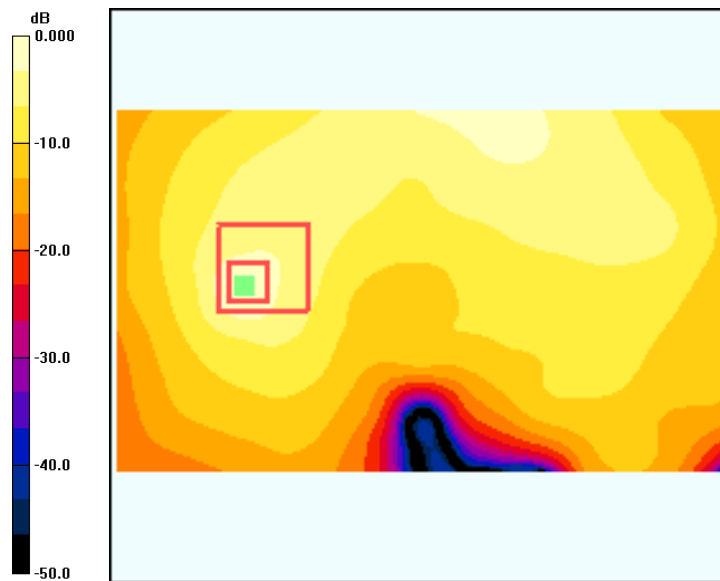
**802.11b 11Mbps ch11 Face DOWN/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.55 V/m; Power Drift = -0.182 dB

Peak SAR (extrapolated) = 0.219 W/kg

**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.047 mW/g

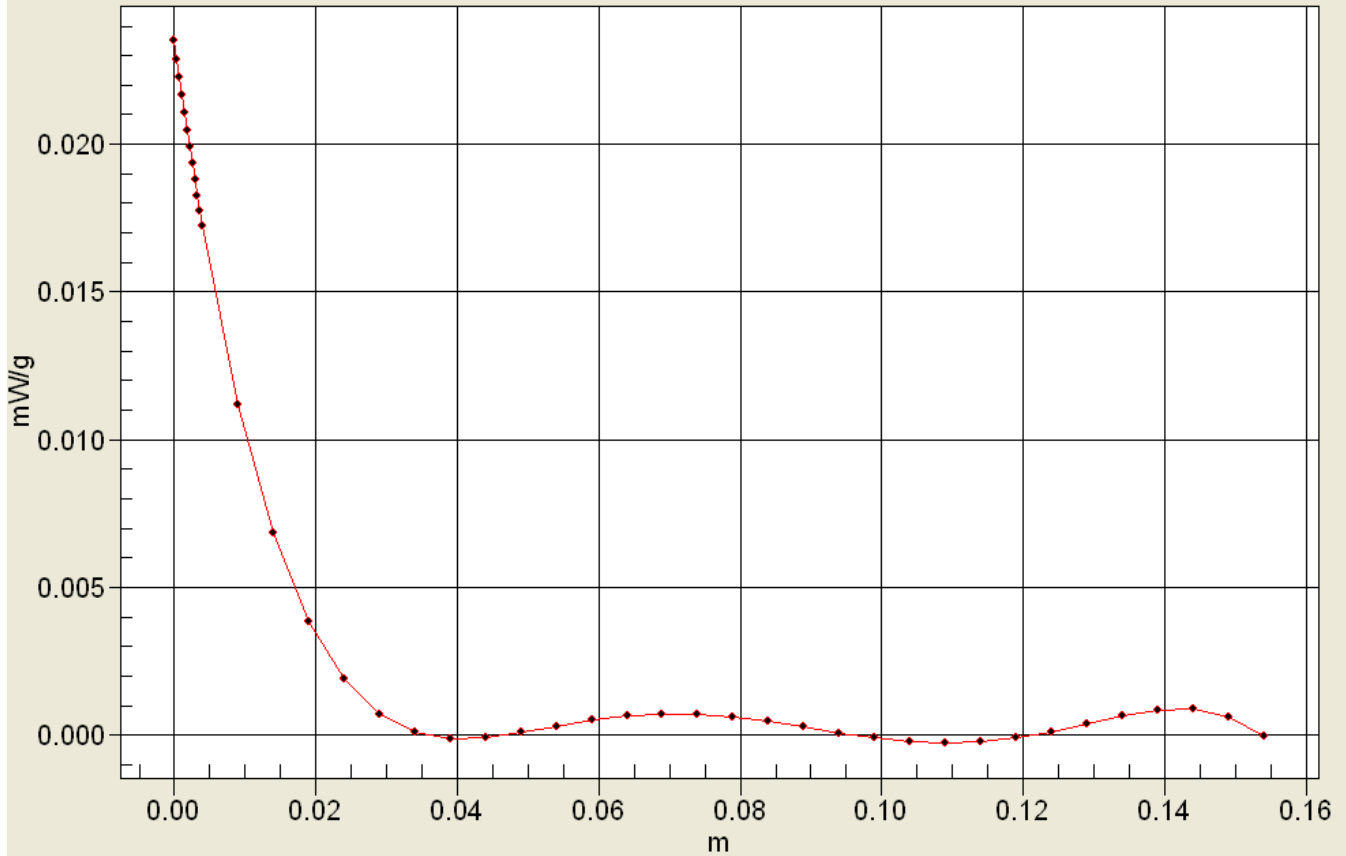


0 dB = 0.063mW/g



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



Applicant	Kyocera
FCC ID:	V65C5171
Report #:	CT- C5171-9B2-0712-R0

Test Laboratory: Comptest/Kyocera

Date: 08/08/2012

**FCC C5171 WiFi Flat with 15mm Air Space, Face Up 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/m<sup>3</sup>

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 11Mbps ch11 Face UP-/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.105 mW/g

**802.11b 11Mbps ch11 Face UP-/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.08 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.135 W/kg

**SAR(1 g) = 0.00755 mW/g; SAR(10 g) = 0.00144 mW/g**

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

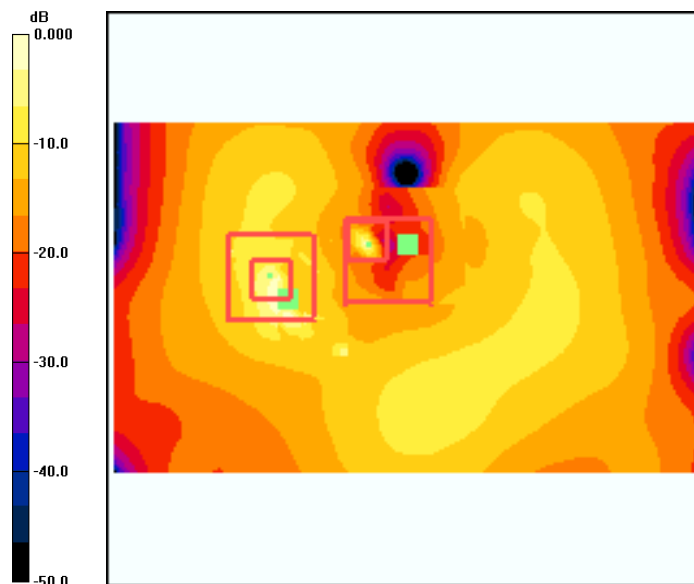
**802.11b 11Mbps ch11 Face UP-/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.08 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.499 W/kg

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.00919 mW/g**

Maximum value of SAR (measured) = 0.134 mW/g



0 dB = 0.105mW/g