

Applicant:	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K5301-C2PC 9B2-0711-R0

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

**PCS**

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Test Laboratory: Comptest/Kyocera

Date: 07/25/2011

**FCC K5301 PCS Flat with 15mm Air Space, Face Down Ch. 600**

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

 Medium: Muscle 1900MHz, Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Ch600 Face down/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.564 mW/g

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

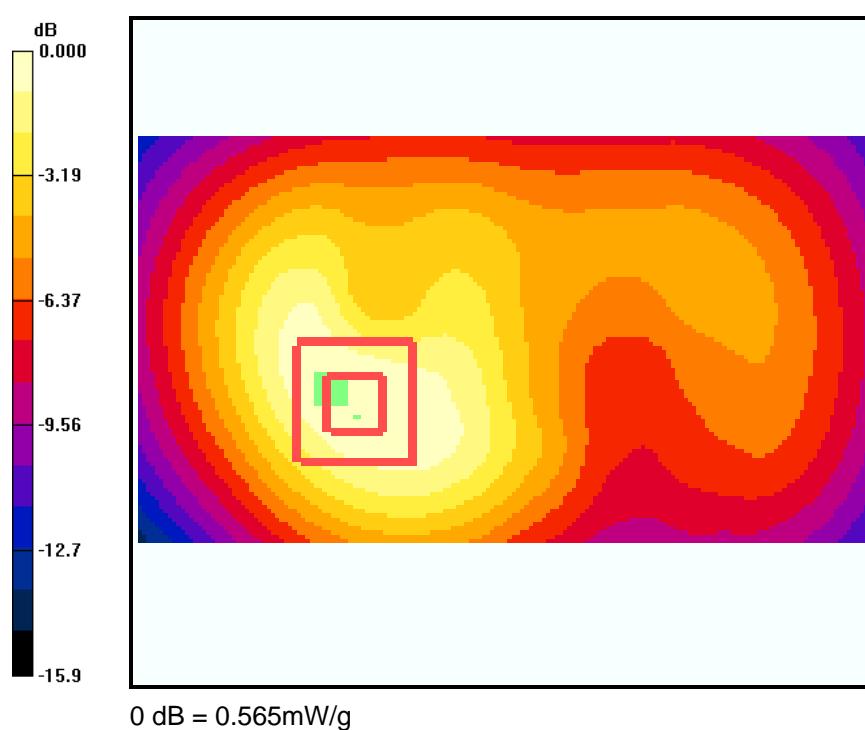
dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.797 W/kg

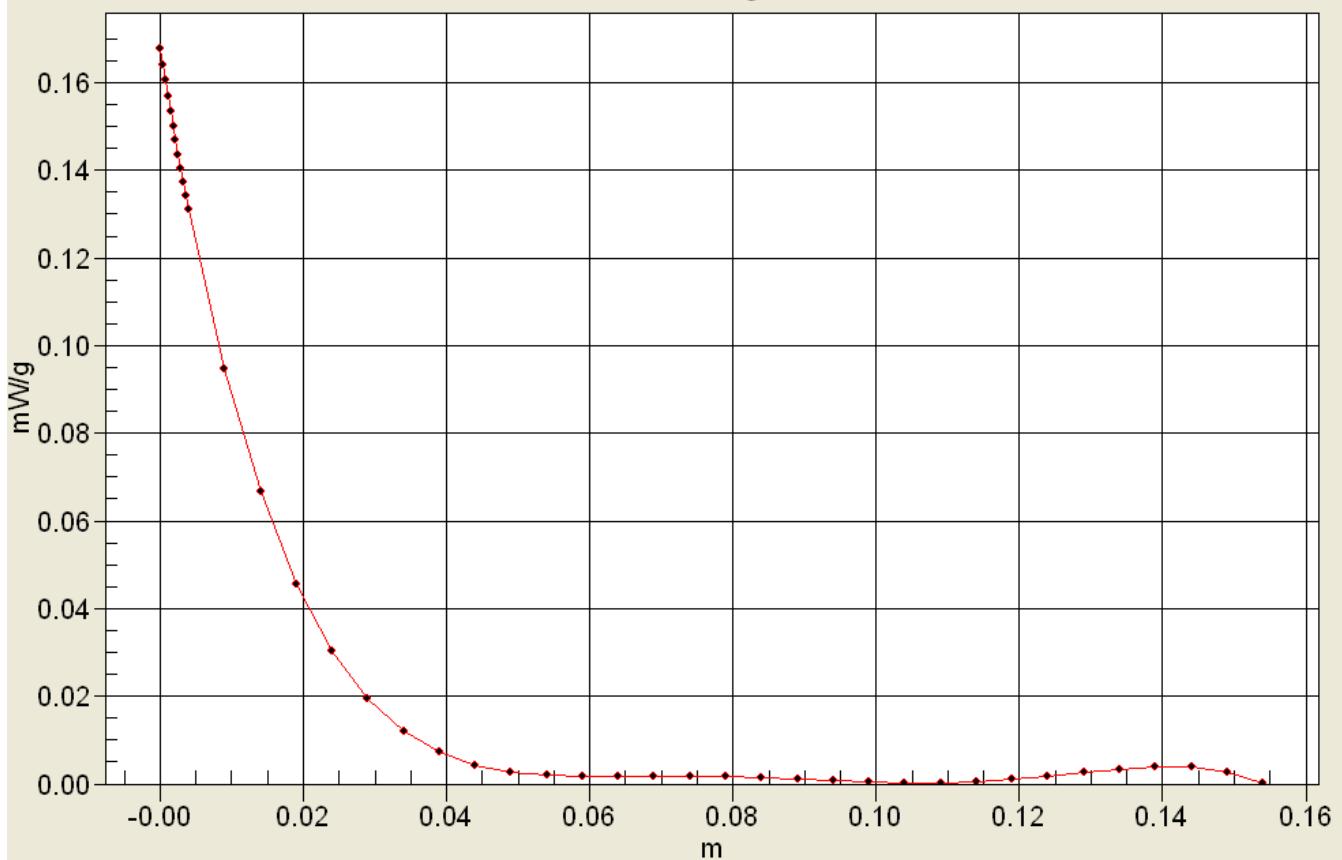
**SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.323 mW/g**

Maximum value of SAR (measured) = 0.565 mW/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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**FCC K53-01 PCS Flat with 15mm Air Space, Face Up Ch. 600**

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

 Medium: Muscle 1900Mhz, Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Ch600 Face Up/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.446 mW/g

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

Reference Value = 10.3 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 0.616 W/kg

**SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.257 mW/g**

Maximum value of SAR (measured) = 0.442 mW/g

