

Applicant:	Kyocera
FCC ID:	V65K009
Report #:	CT-K009-9A-0211-R0

EXHIBIT 9 APPENDIX A: SAR VALIDATION PLOTS

## Validation for HEAD

Applicant:	Kyocera
FCC ID:	V65K009
Report #:	CT-K009-9A-0211-R0

Test Laboratory: Comptest/Kyocera

Date: 02/23/2011

**835MHz Validation @ 20dbm, Probe #1618, DAE#530, Dipole #4d019**

Communication System: CDMA, Frequency: 835 MHz, Duty Cycle: 1:1

 Medium: Head 835 MHz, Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(6.52, 6.52, 6.52), Calibrated: 8/11/2010

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

Electronics: DAE4 Sn530, Calibrated: 4/23/2010

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

**835MHz Validation/Area Scan (61x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

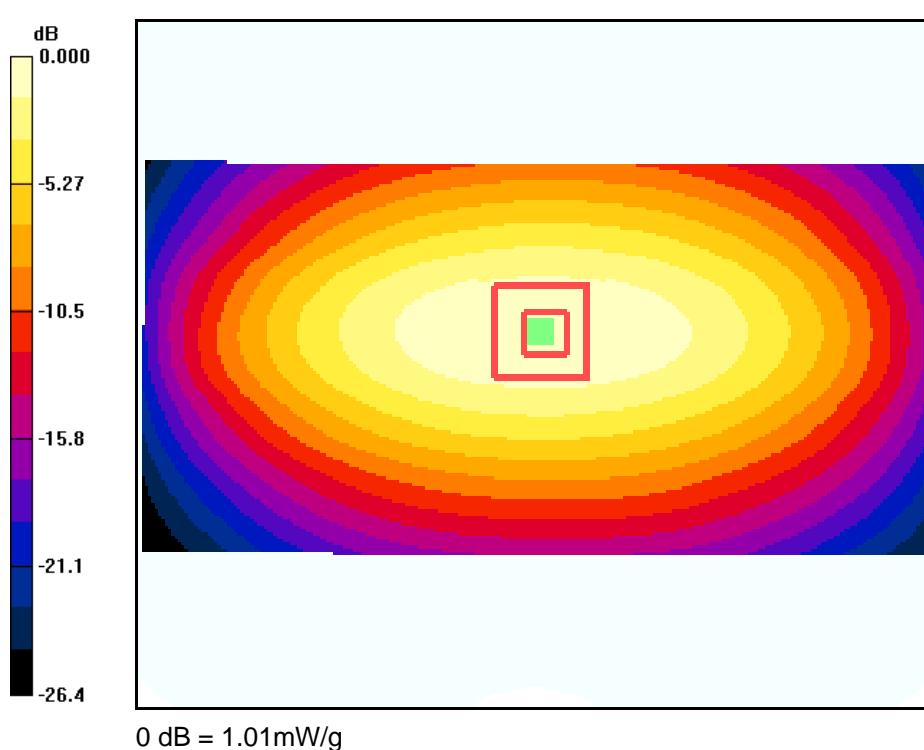
**835MHz Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.3 V/m; Power Drift = -0.017 dB

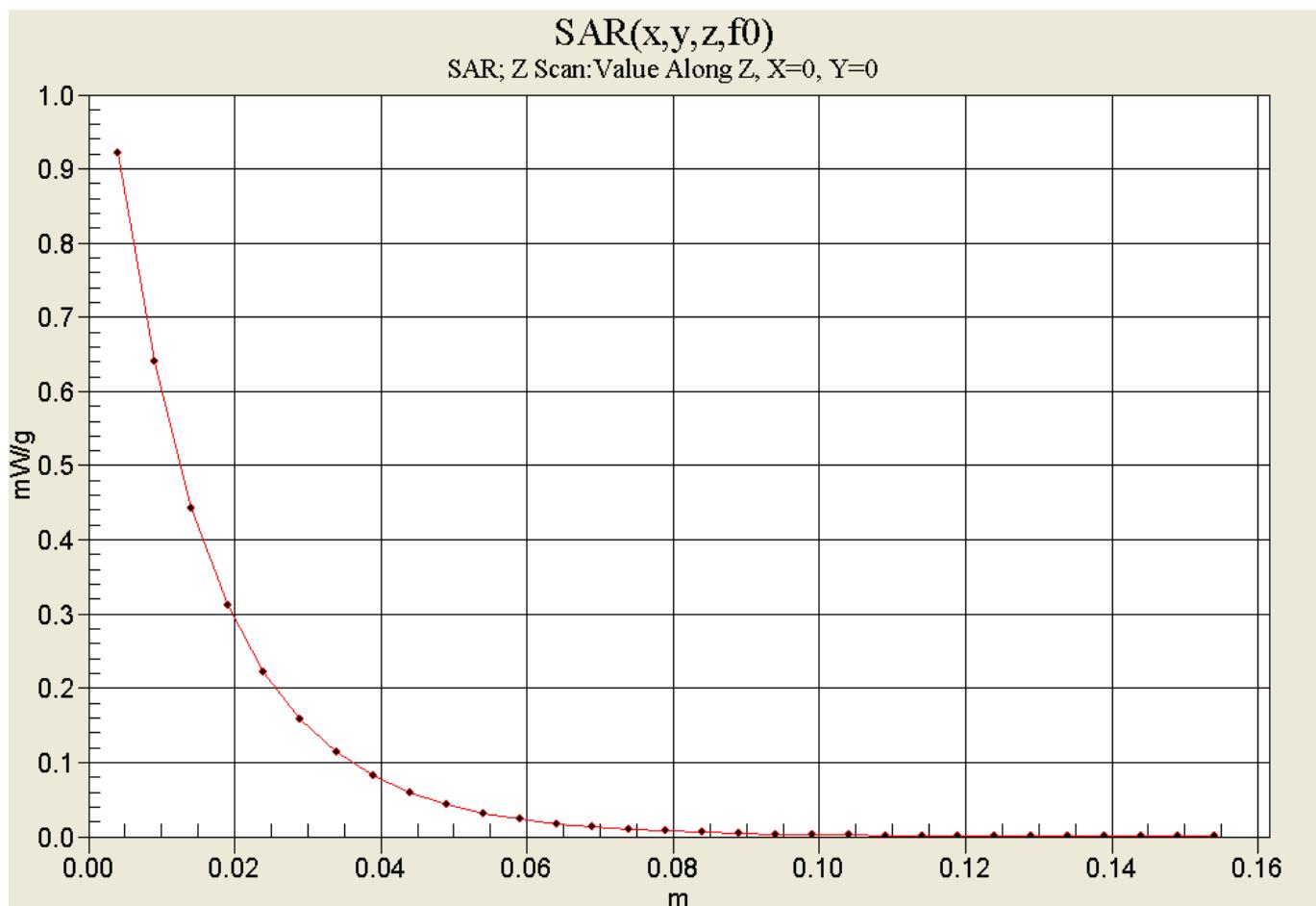
Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.935 mW/g; SAR(10 g) = 0.613 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g



Applicant:	Kyocera
FCC ID:	V65K009
Report #:	CT-K009-9A-0211-R0



Applicant:	Kyocera
FCC ID:	V65K009
Report #:	CT-K009-9A-0211-R0

## Validation for BODY

Applicant:	Kyocera
FCC ID:	V65K009
Report #:	CT-K009-9A-0211-R0

Test Laboratory: Comptest/Kyocera

Date: 02/28/2011

**835MHz Validation (in Muscle), Probe #3078, DAE #602, Dipole #4d019**

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1

 Medium: M900, Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.82, 5.82, 5.82), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

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

**835MHz/Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

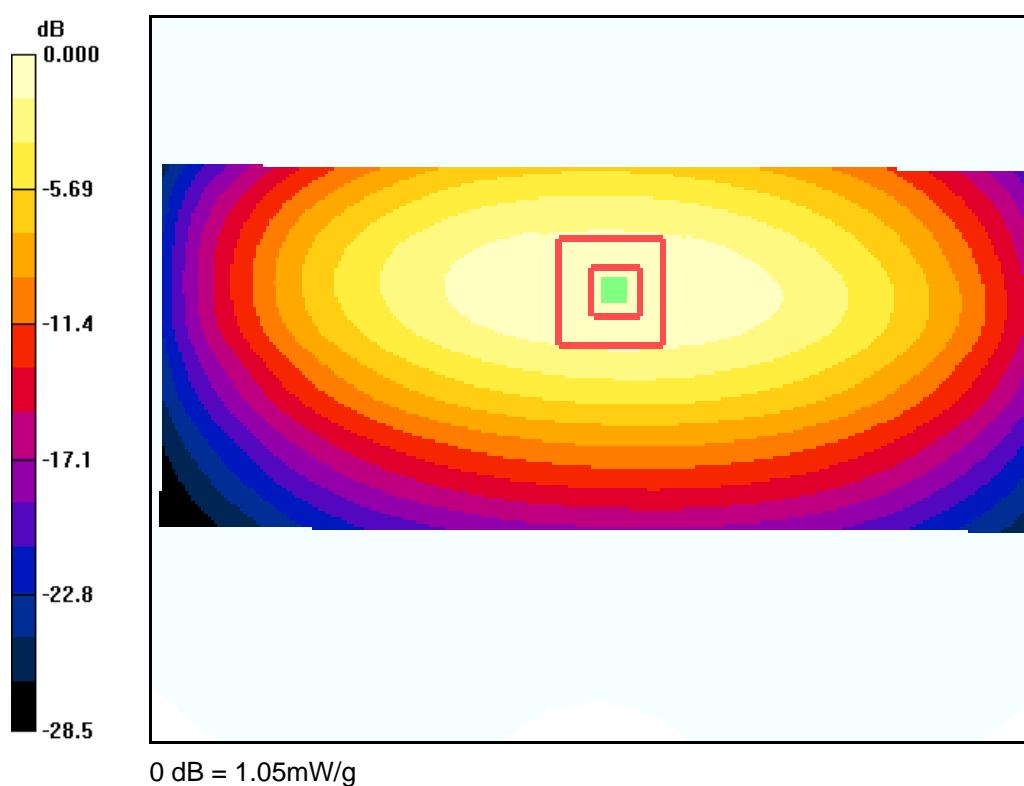
**835MHz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.8 V/m; Power Drift = 0.262 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.967 mW/g; SAR(10 g) = 0.638 mW/g**

Maximum value of SAR (measured) = 1.05 mW/g



Applicant:	Kyocera
FCC ID:	V65K009
Report #:	CT-K009-9A-0211-R0

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

