



Applicant:	Kyocera
FCC ID:	OVF-K33BIC04
Report #:	CT-S1310-9A-0612-R0

EXHIBIT 9 APPENDIX A: SAR VALIDATION PLOTS

Validation for HEAD

Applicant:	Kyocera
FCC ID:	OVF-K33BIC04
Report #:	CT-S1310-9A-0612-R0

Test Laboratory: Comptest/Kyocera

Date: 06/01/2012

1900MHz Validation @ 20dBm Probe 1618, DAE 603 and Dipole 5d016

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(5.04, 5.04, 5.04), 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 °C ± 1 deg C, Liquid T = 22.0 °C ± 1 deg C

1900MHz Validation @20dBm/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.94 mW/g

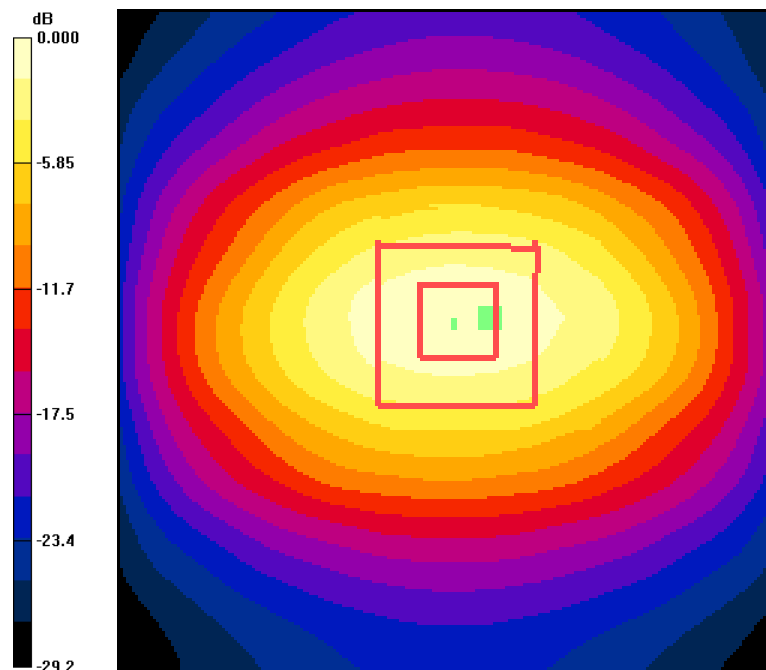
1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.5 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 7.06 W/kg

SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.12 mW/g

Maximum value of SAR (measured) = 4.53 mW/g



0 dB = 4.94mW/g

Applicant:	Kyocera
FCC ID:	OVF-K33BIC04
Report #:	CT-S1310-9A-0612-R0

Test Laboratory: Comptest/Kyocera

Date: 06/04/2012

1900MHz Validation @ 20dBm Probe 1618, DAE 603 and Dipole 5d016

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(5.04, 5.04, 5.04), 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 °C ± 1 deg C, Liquid T = 22.0 °C ± 1 deg C

1900MHz Validation @20dBm/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.95 mW/g

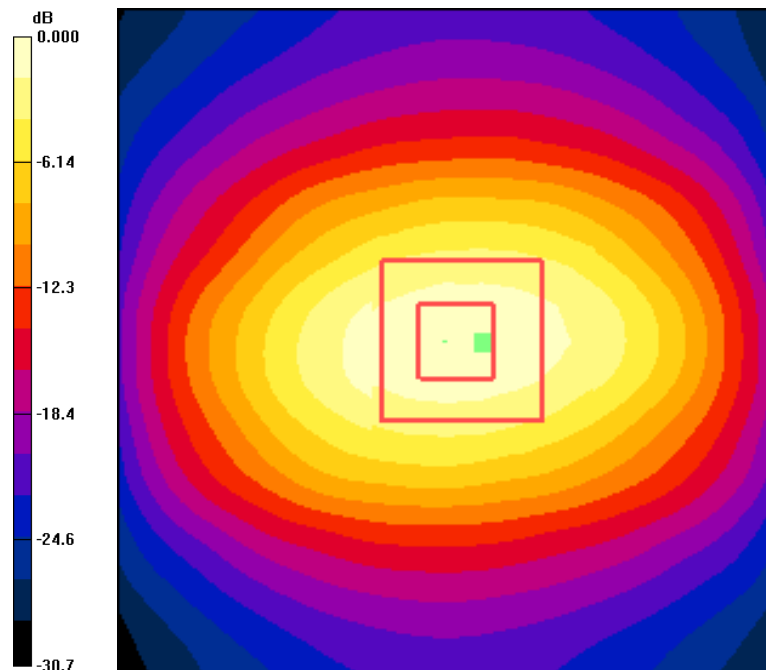
1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.2 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 7.17 W/kg

SAR(1 g) = 4.08 mW/g; SAR(10 g) = 2.15 mW/g

Maximum value of SAR (measured) = 4.62 mW/g

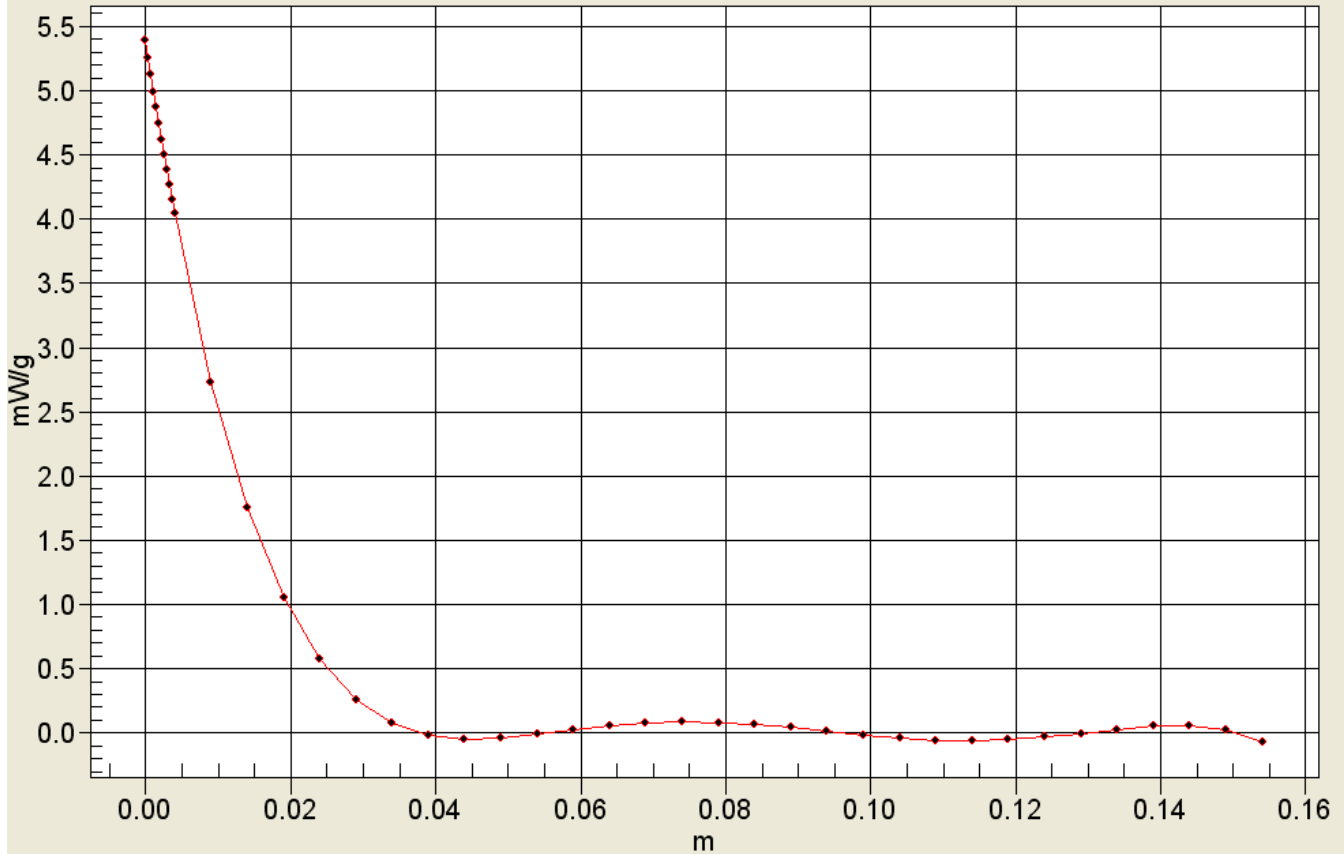


0 dB = 4.95mW/g



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





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Validation for BODY

Applicant:	Kyocera
FCC ID:	OVF-K33BIC04
Report #:	CT-S1310-9A-0612-R0

Test Laboratory: Comptest/Kyocera

Date: 06/05/2012

1900MHz Validation (Muscle) @ 20dBm Probe 1618, DAE 603 and Dipole 5d016

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ 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 $\square\square\square$ 1 deg C, Liquid T = 22.0 $\square\square\square$ 1 deg C

1900MHz Validation @20dBm/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.05 mW/g

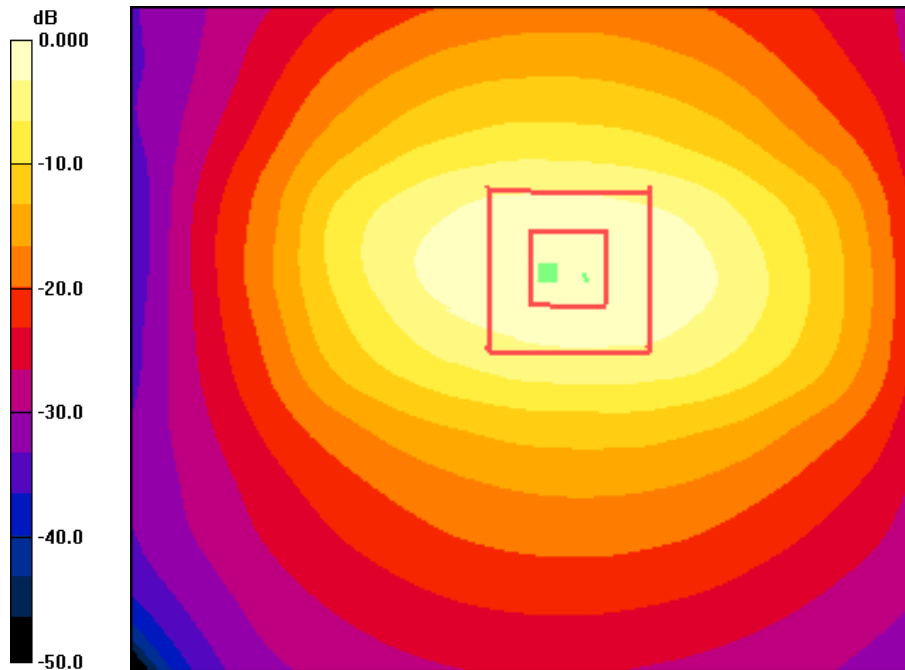
1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.9 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 6.93 W/kg

SAR(1 g) = 4.12 mW/g; SAR(10 g) = 2.21 mW/g

Maximum value of SAR (measured) = 4.69 mW/g



0 dB = 5.05mW/g



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Interpolated SAR(x,y,z,f0)

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

