

Applicant:	Kyocera
FCC ID:	V65C5133
Report #:	CT-C5133-9B1-0812-R0

EXHIBIT 9 Appendix B1: SAR DISTRIBUTION PLOTS (HEAD)

PCS



Applicant:	Kyocera
FCC ID:	V65C5133
Report #:	CT-C5133-9B1-0812-R0

FCC C5133 CDMA-1900 Left, Ch. 25, Left Cheek

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

Medium: HSL1900.Medium parameters used (interpolated): f = 1851.25 MHz; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000$

kg/m³

Phantom: SAM 12, Phantom section: Left 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 = $21.8 + - 1 \deg C$, Liquid T = $22.0 + - 1 \deg C$

CDMA-1900_Ch25 LC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.09 mW/g

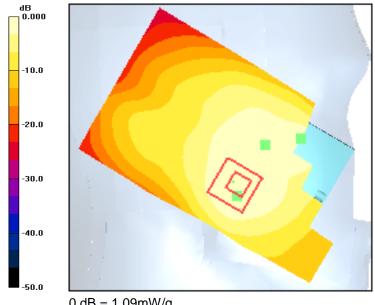
CDMA-1900_Ch25 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.84 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.646 mW/g

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.09 mW/g



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FCC C5133 CDMA-1900 Left, Ch. 600, Left Cheek

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

Medium: HSL1900, Medium parameters used: f = 1880 MHz; $\sigma = 1.44 \text{ mho/m}$; $\varepsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left 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 + - 1 deg C, Liquid T = 22.0 + - 1 deg C

CDMA-1900_CH600 LC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.23 mW/g

CDMA-1900 CH600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.722 mW/g

Maximum value of SAR (measured) = 1.25 mW/g

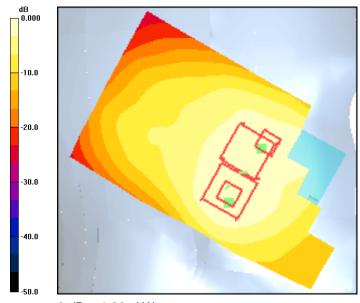
CDMA-1900_CH600 LC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.846 mW/g; SAR(10 g) = 0.554 mW/g

Maximum value of SAR (measured) = 0.955 mW/g



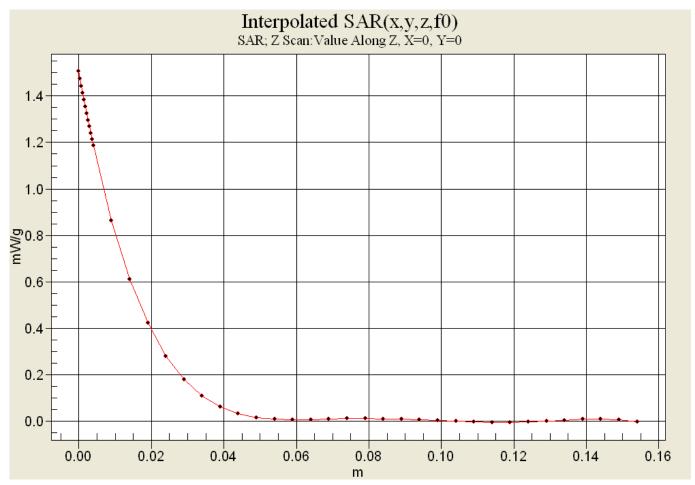
0 dB = 1.23 mW/g



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FCC C5133 CDMA-1900 Left, Ch. 1175, Left Cheek

Communication System: PCS-1900 Gblock, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.44 mho/m; ε_r = 38.9; ρ = 1000

kg/m³

Phantom: SAM 12, Phantom section: Left 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 + - 1 deg C, Liquid T = 22.0 + - 1 deg C

CDMA-1900_Ch 1175 LC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.921 mW/g

CDMA-1900_Ch 1175 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.531 mW/g

Maximum value of SAR (measured) = 0.931 mW/g

CDMA-1900_Ch 1175 LC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.428 mW/g Maximum value of SAR (measured) = 0.751 mW/g

-10.0 -20.0 -30.0

0 dB = 0.921 mW/g



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FCC C5133 CDMA-1900 Left, Ch. 600, Left Tilt

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

Medium: HSL1900, Medium parameters used: f = 1880 MHz; $\sigma = 1.44 \text{ mho/m}$; $\varepsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left 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 + - 1 deg C, Liquid T = 22.0 + - 1 deg C

CDMA-1900_CH600 LT/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.339 mW/g

CDMA-1900 CH600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.360 mW/g

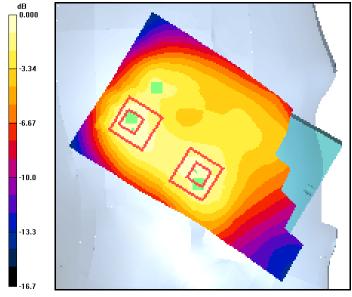
CDMA-1900_CH600 LT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.466 W/kg

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.333 mW/g



0 dB = 0.360 mW/g



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FCC C5133 CDMA-1900 Right, Ch. 25, Right Cheek

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

Medium: HSL1900, Medium parameters used (interpolated): f = 1851.25 MHz; $\sigma = 1.44$ mho/m; $\varepsilon_r = 38.9$; $\rho = 1000$

kg/m³

Phantom: SAM 12, Phantom section: Right 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 = $21.8 + - 1 \deg C$, Liquid T = $22.0 + - 1 \deg C$

CDMA-1900 Ch25 RC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

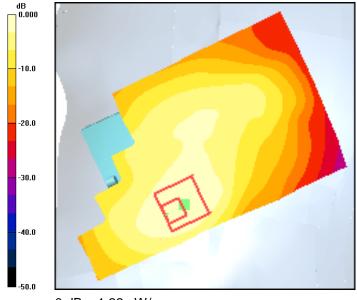
Maximum value of SAR (interpolated) = 1.22 mW/g

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

Reference Value = 11.5 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.597 mW/g Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.22 mW/g



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FCC C5133 CDMA-1900 Right, Ch. 600, Right Cheek

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

Medium: HSL1900, Medium parameters used: f = 1880 MHz; $\sigma = 1.44 \text{ mho/m}$; $\varepsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right 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 = $21.8 + - 1 \deg C$, Liquid T = $22.0 + - 1 \deg C$

CDMA-1900 Ch600 RC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

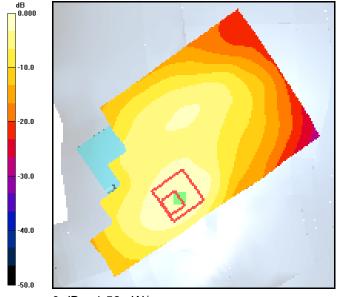
Maximum value of SAR (interpolated) = 1.52 mW/g

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

Reference Value = 12.3 V/m; Power Drift = 0.111 dB

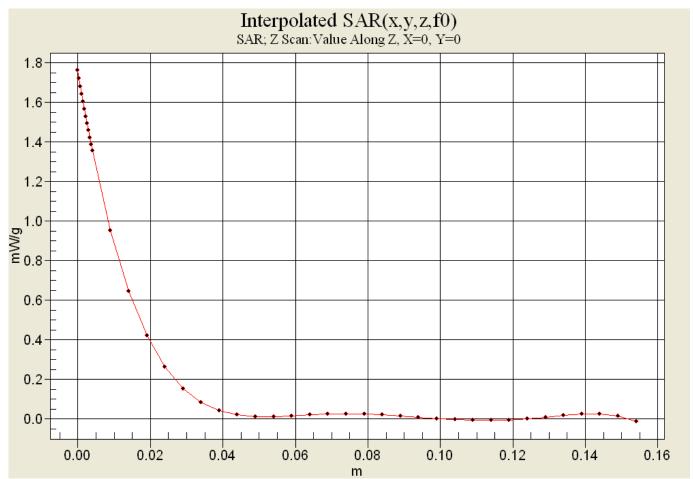
Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.740 mW/g Maximum value of SAR (measured) = 1.38 mW/g





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FCC C5133 CDMA-1900 Right, Ch. 1175, Right Cheek

Communication System: PCS-1900 Gblock, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated): f = 1908.75 MHz; $\sigma = 1.44$ mho/m; $\varepsilon_r = 38.9$; $\rho = 1000$

kg/m³

Phantom: SAM 12, Phantom section: Right 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 = $21.8 + - 1 \deg C$, Liquid T = $22.0 + - 1 \deg C$

CDMA-1900 Ch1175 RC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

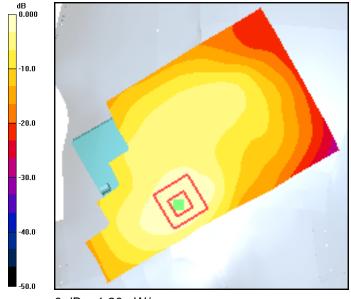
Maximum value of SAR (interpolated) = 1.20 mW/g

CDMA-1900 Ch1175 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.976 mW/g; SAR(10 g) = 0.573 mW/g Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.20 mW/g



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FCC C5133 CDMA-1900 Right, Ch. 600, Right Tilt

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

Medium: HSL1900, Medium parameters used: f = 1880 MHz; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right 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 + - 1 deg C, Liquid T = 22.0 + - 1 deg C

CDMA-1900 Ch600 RT/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.476 mW/g

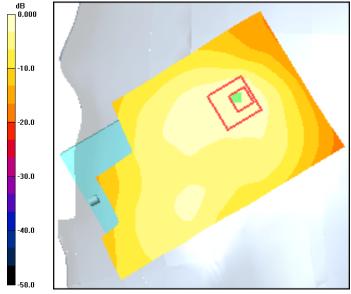
CDMA-1900 Ch600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = -0.173 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.378 mW/g; SAR(10 g) = 0.236 mW/g

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



0 dB = 0.476 mW/g



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Applicant:	Kyocera
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Report #:	CT-C5133-9B1-0812-R0

FCC C5133 CDMA-2400 Left, Ch. 11, Left Cheek

Communication System: WLAN-2450, Frequency: 2462 MHz, Duty Cycle: 1:1

Medium: HSL2450, Medium parameters used (interpolated): f = 2462 MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$

kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.22, 4.22, 4.22), 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

WLAN Ch11_LC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

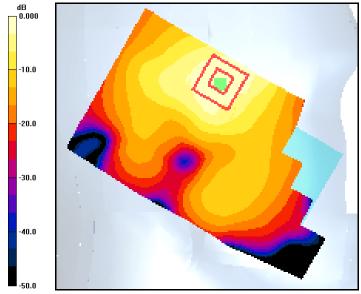
Maximum value of SAR (interpolated) = 0.223 mW/g

WLAN Ch11_LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.67 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 0.598 W/kg

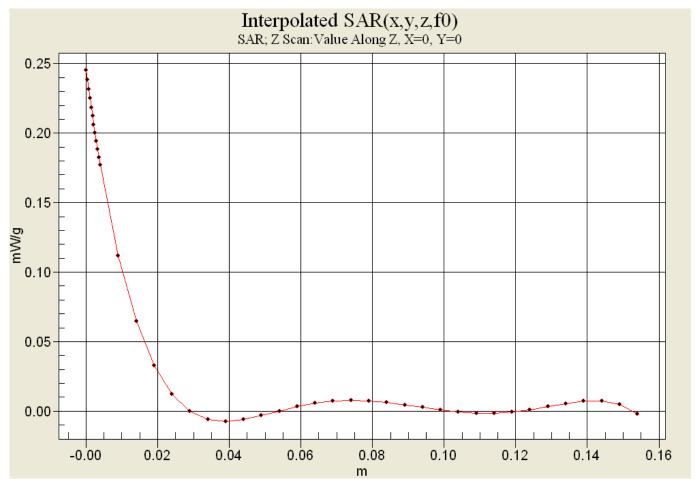
SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.108 mW/g Maximum value of SAR (measured) = 0.266 mW/g



0 dB = 0.223 mW/g



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FCC C5133 CDMA-2400 Left, Ch. 11, Left Tilt

Communication System: WLAN-2450, Frequency: 2462 MHz, Duty Cycle: 1:1

Medium: HSL2450, Medium parameters used (interpolated): f = 2462 MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$

kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.22, 4.22, 4.22), 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

WLAN_Ch11 LT/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

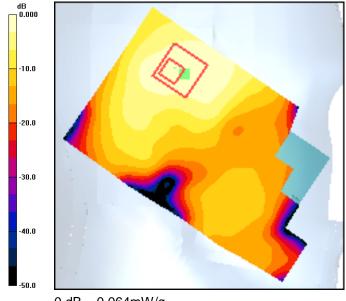
Maximum value of SAR (interpolated) = 0.064 mW/g

WLAN_Ch11 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.93 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 0.113 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.031 mW/g Maximum value of SAR (measured) = 0.064 mW/g



0 dB = 0.064 mW/g



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FCC C5133 CDMA-2400 Right, Ch. 11, Right Cheek

Communication System: WLAN-2450, Frequency: 2462 MHz, Duty Cycle: 1:1

Medium: HSL2450, Medium parameters used (interpolated): f = 2462 MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$

kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.22, 4.22, 4.22), 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 = $22.0 + - 1 \deg C$

WLAN Ch11 RC/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

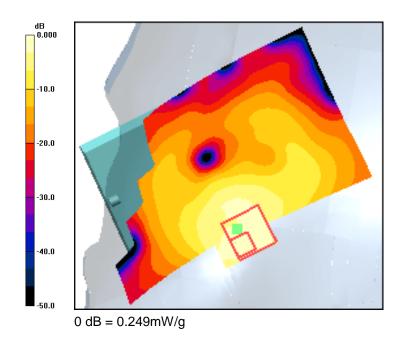
Maximum value of SAR (interpolated) = 0.249 mW/g

WLAN Ch11 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.541 V/m; Power Drift = 0.057 dB

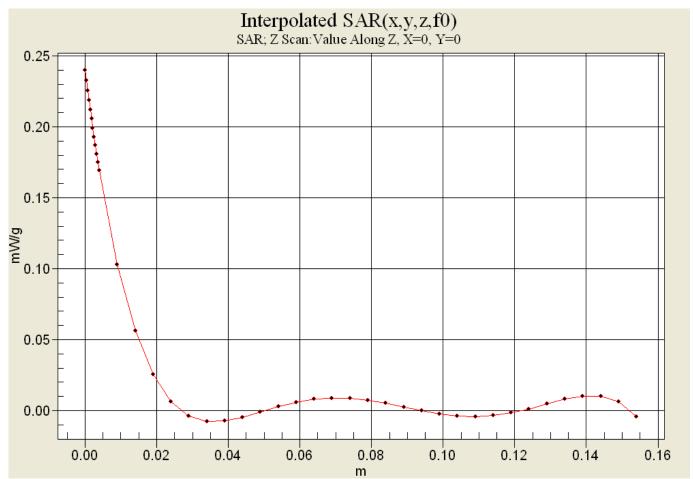
Peak SAR (extrapolated) = 0.520 W/kg

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.095 mW/g Maximum value of SAR (measured) = 0.239 mW/g





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FCC C5133 CDMA-2400 Right, Ch. 11, Right Tilt

Communication System: WLAN-2450, Frequency: 2462 MHz, Duty Cycle: 1:1

Medium: HSL2450, Medium parameters used (interpolated): f = 2462 MHz; $\sigma = 1.86$ mho/m; $\varepsilon_r = 38.6$; $\rho = 1000$

kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3036, ConvF(4.22, 4.22, 4.22), 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 = $22.0 + - 1 \deg C$

WLAN Ch11 RT/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.039 mW/g

WLAN Ch11 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.573 V/m; Power Drift = 0.129 dB

Peak SAR (extrapolated) = 0.067 W/kg

SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.039 mW/g

WLAN Ch11 RT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.573 V/m; Power Drift = 0.129 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.016 mW/g

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

