



Compliance Certification Services Inc.

Report No: C140425S02-SF

FCC ID: QDS-BRCM1076

Date of Issue :June 24, 2014

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Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain0 Rear CH1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 51.139$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11b Body Rear CH1 /Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.15 W/kg

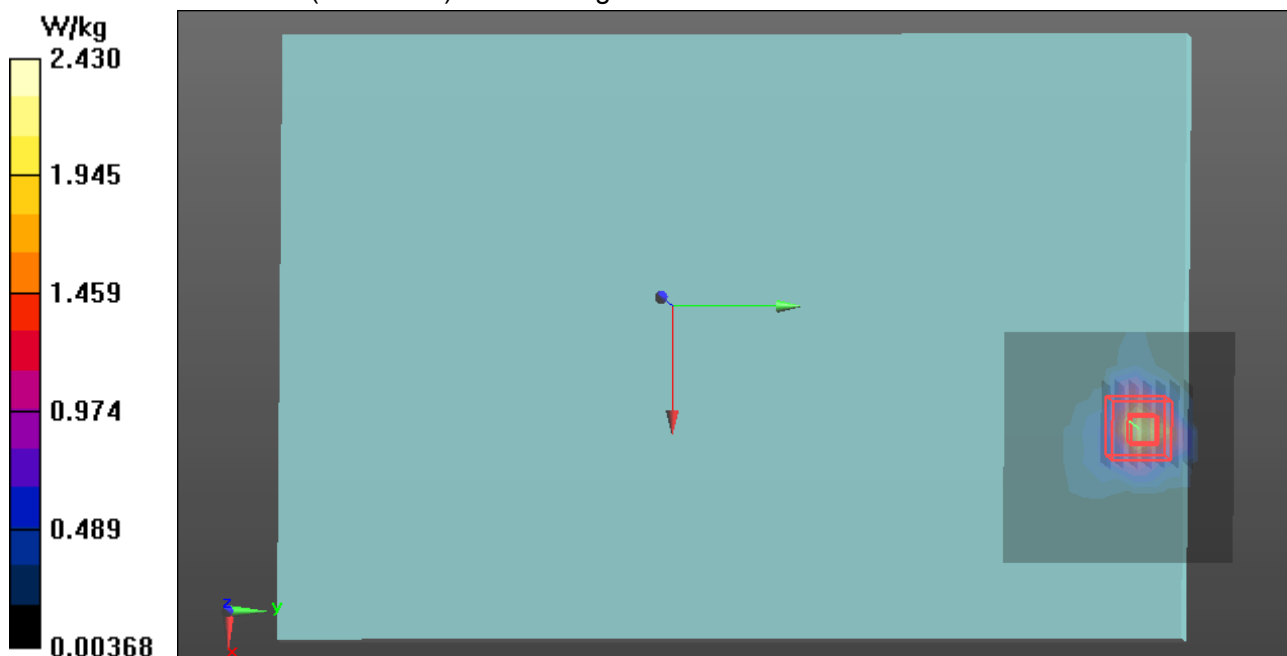
WIFI Chain0/IEEE802.11b Body Rear CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.73 W/kg

SAR(1 g) = 1.43 W/kg; SAR(10 g) = 0.577 W/kg

Maximum value of SAR (measured) = 2.43 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain0 Rear CH6**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 51.125$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11b Body Rear CH6 Setting 59/Area Scan (8x8x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.51 W/kg

WIFI Chain0/IEEE802.11b Body Rear CH6 Setting 59/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

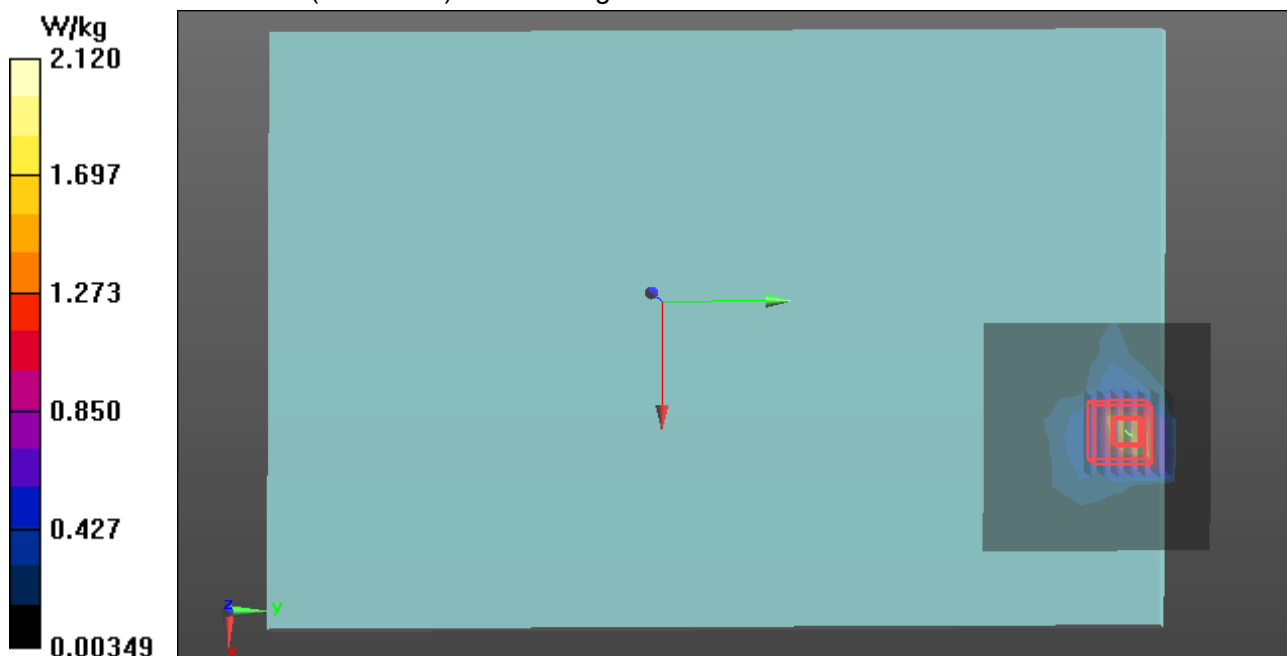
dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.385 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.509 W/kg

Maximum value of SAR (measured) = 2.12 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain0 Rear CH11**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.986 \text{ S/m}$; $\epsilon_r = 50.963$; $\rho = 1000 \text{ kg/m}^3$

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11b Body Rear CH11 Setting 57/Area Scan (8x8x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.40 W/kg

WIFI Chain0/IEEE802.11b Body Rear CH11 Setting 57/Zoom Scan (7x7x7)/Cube 0: Measurement

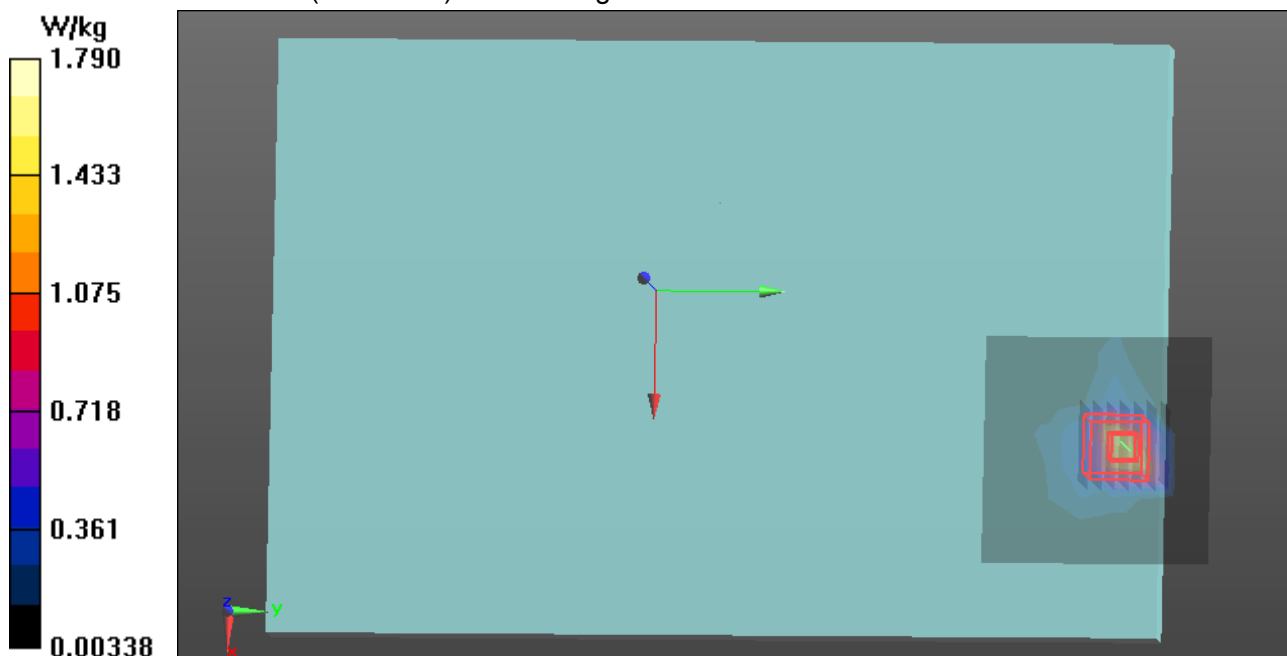
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.212 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 1.79 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain0 -edge4 CH1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 51.139$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11b Body Edge 4 CH1 /Area Scan (8x19x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.161 W/kg

WIFI Chain0/IEEE802.11b Body Edge 4 CH1 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

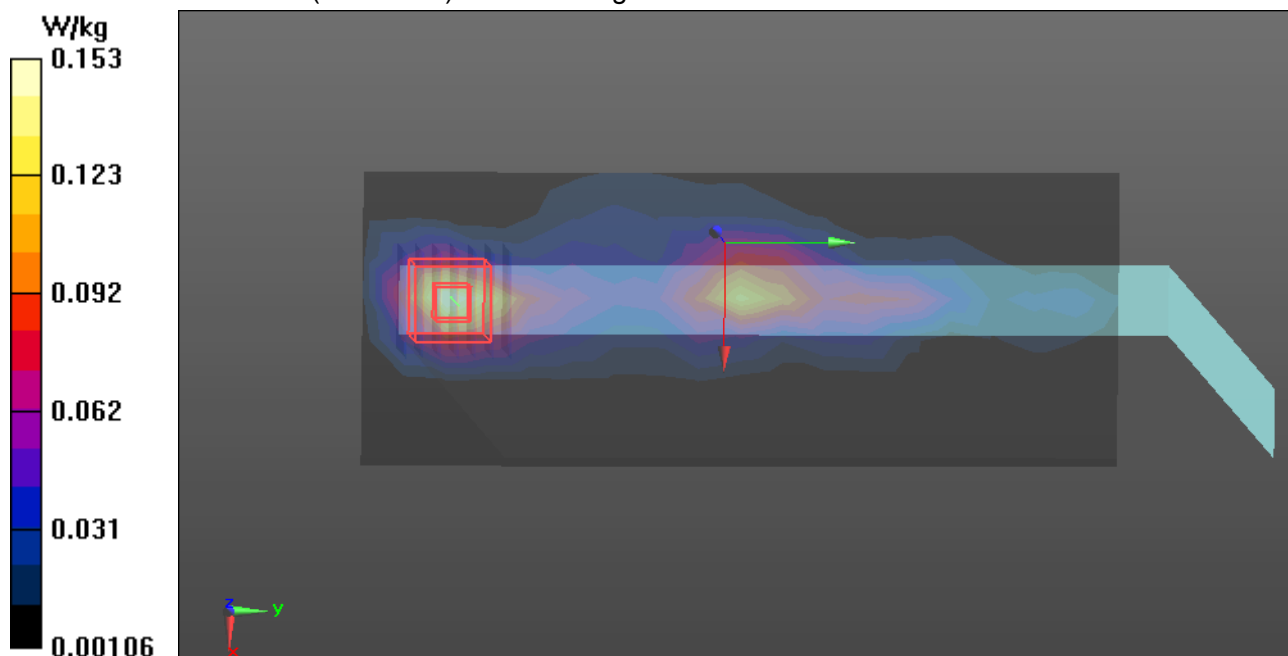
dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.374 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.194 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.153 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Bottom Chain0 CH1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 51.139$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 0/IEEE802.11b Body Bottom CH1 /Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.18 W/kg

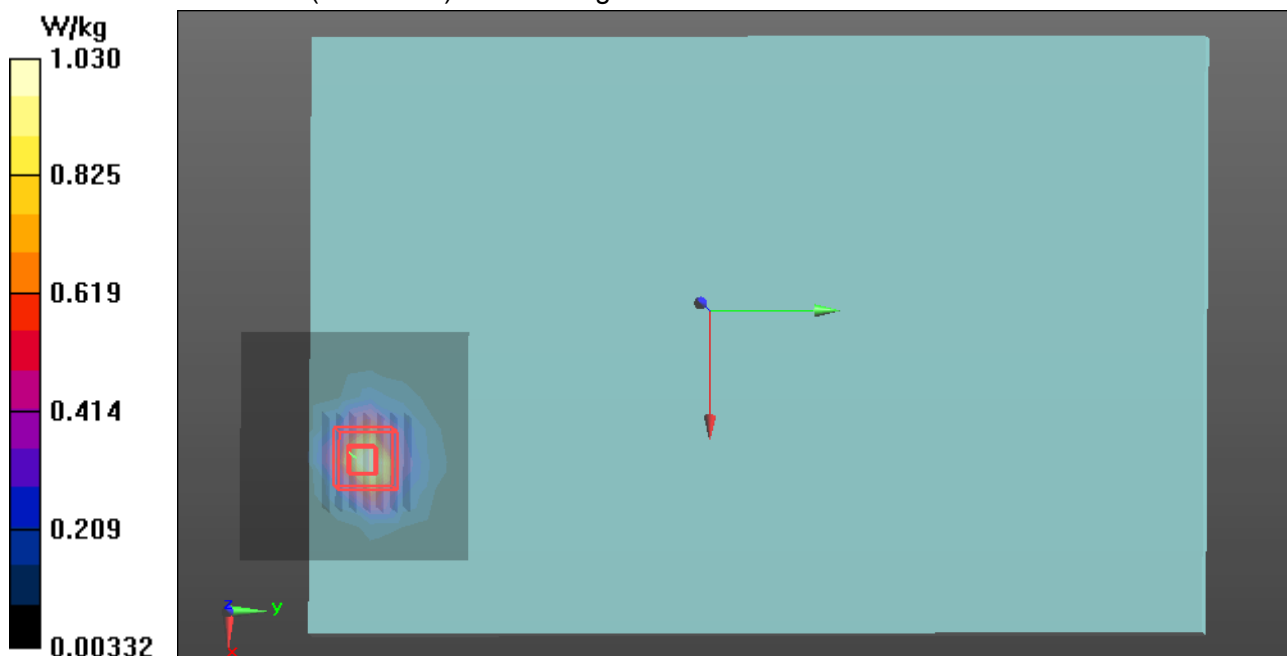
WIFI Chain 0/IEEE802.11b Body Bottom CH1 /Zoom Scan 60 (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 1.03 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Chain0 Rear CH36**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5180 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 5.294$ S/m; $\epsilon_r = 47.766$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH36/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.46 W/kg

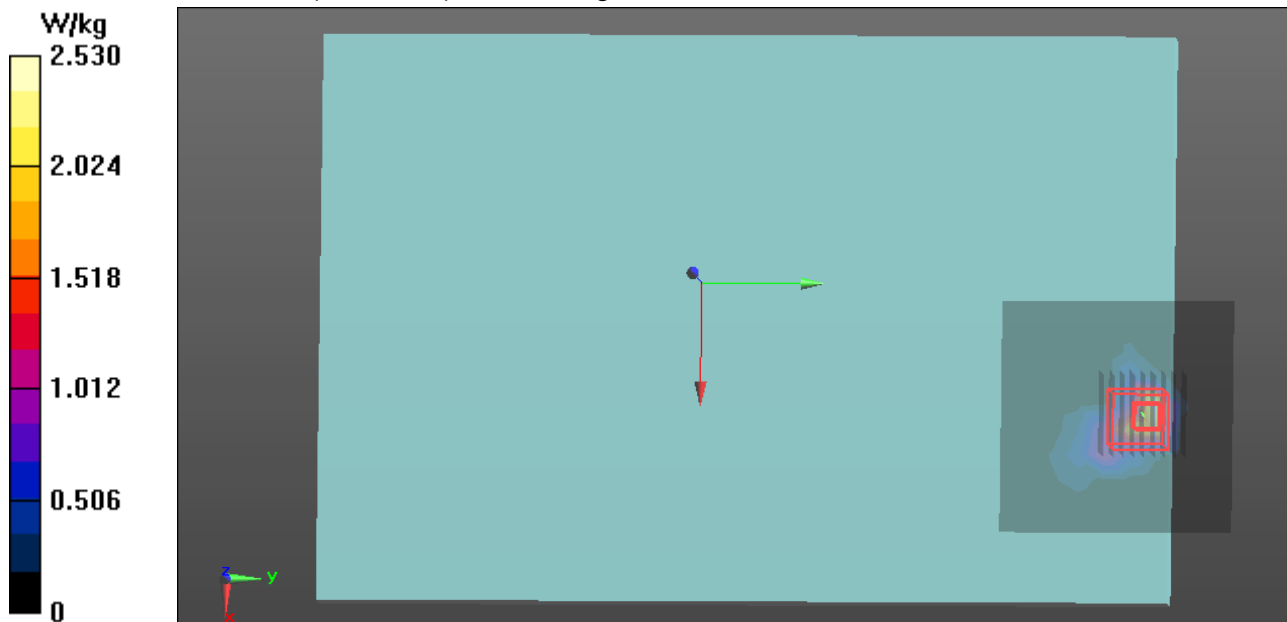
WIFI Chain0/IEEE802.11a Body Rear CH36/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.51 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.334 W/kg

Maximum value of SAR (measured) = 2.53 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Chain0 Rear CH48**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.456$ S/m; $\epsilon_r = 47.184$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH48 /Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.12 W/kg

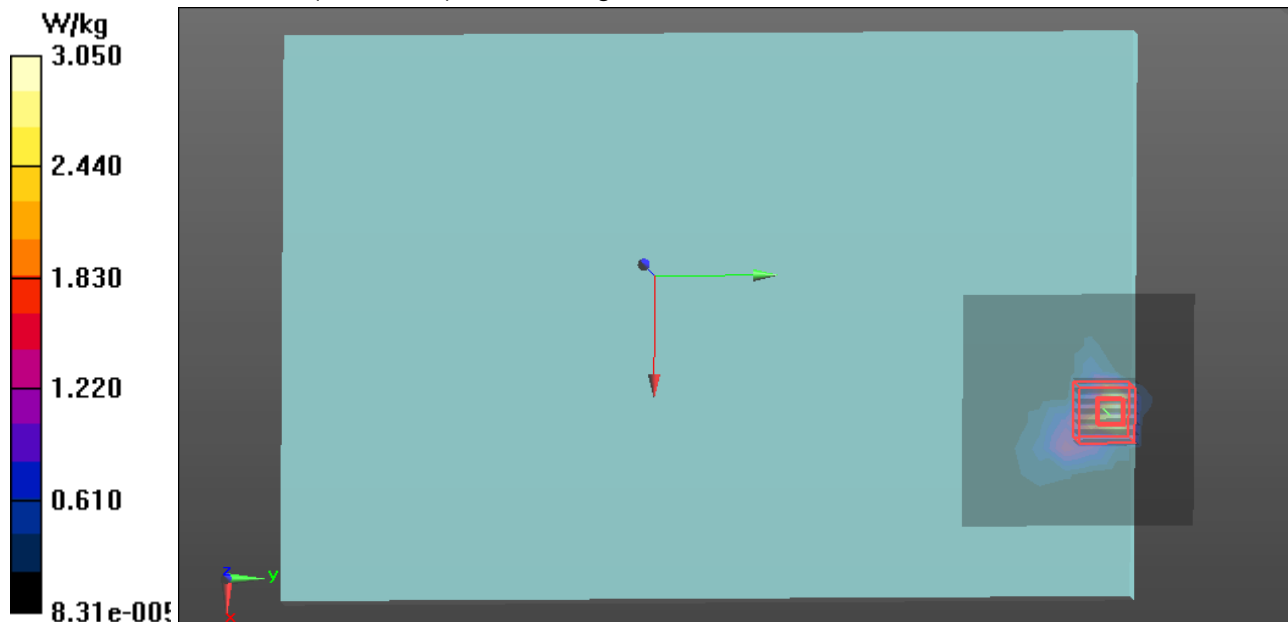
WIFI Chain0/IEEE802.11a Body Rear CH48 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.94 W/kg

SAR(1 g) = 1.42 W/kg; SAR(10 g) = 0.421 W/kg

Maximum value of SAR (measured) = 3.05 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Chain0 Rear VHT80 CH42**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 5G VHT80; Communication System Band: VHT80; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5210$ MHz; $\sigma = 5.308$ S/m; $\epsilon_r = 47.333$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11 5G VHT80 Body Rear CH42 /Area Scan 52 (10x10x1): Measurement grid: dx=10mm, dy=10mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 3.48 W/kg

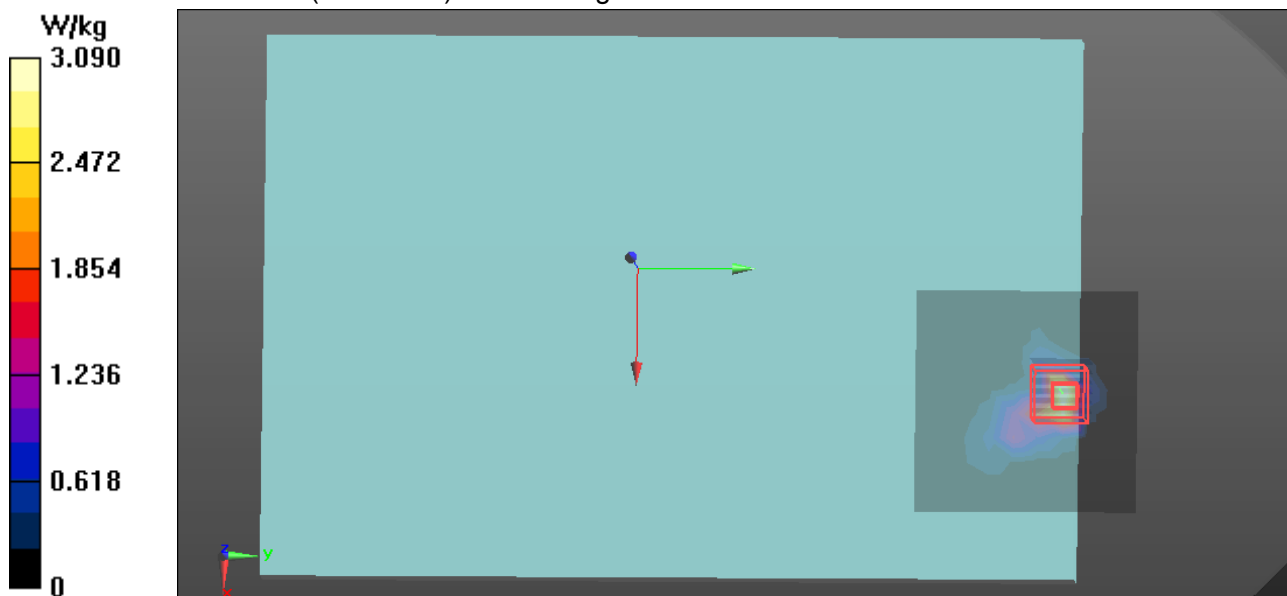
WIFI Chain0/IEEE802.11 5G VHT80 Body Rear CH42 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 1.42 W/kg; SAR(10 g) = 0.406 W/kg

Maximum value of SAR (measured) = 3.09 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI a-Body Chain0 -Edge4 CH48**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.456$ S/m; $\epsilon_r = 47.184$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Edge 4 CH48 /Area Scan (10x23x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.20 W/kg

WIFI Chain0/IEEE802.11a Body Edge 4 CH48 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

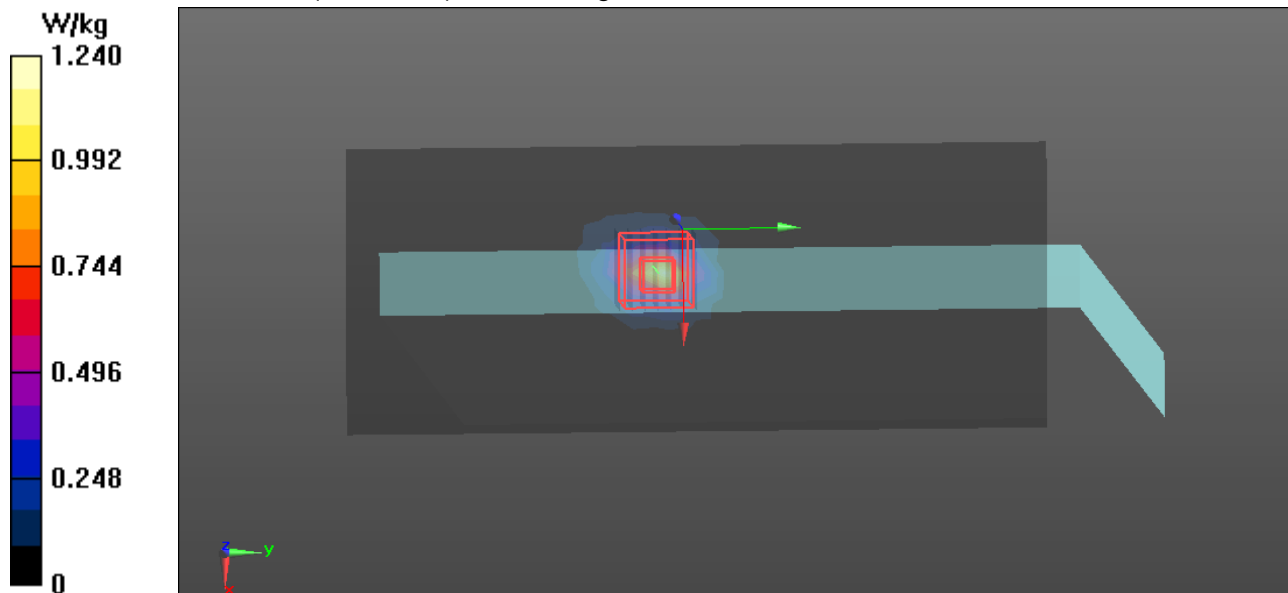
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.054 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 1.24 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Bottom Chain0 CH48**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.456$ S/m; $\epsilon_r = 47.184$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Bottom CH48/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.855 W/kg

WIFI Chain1/IEEE802.11a Body Bottom CH48/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

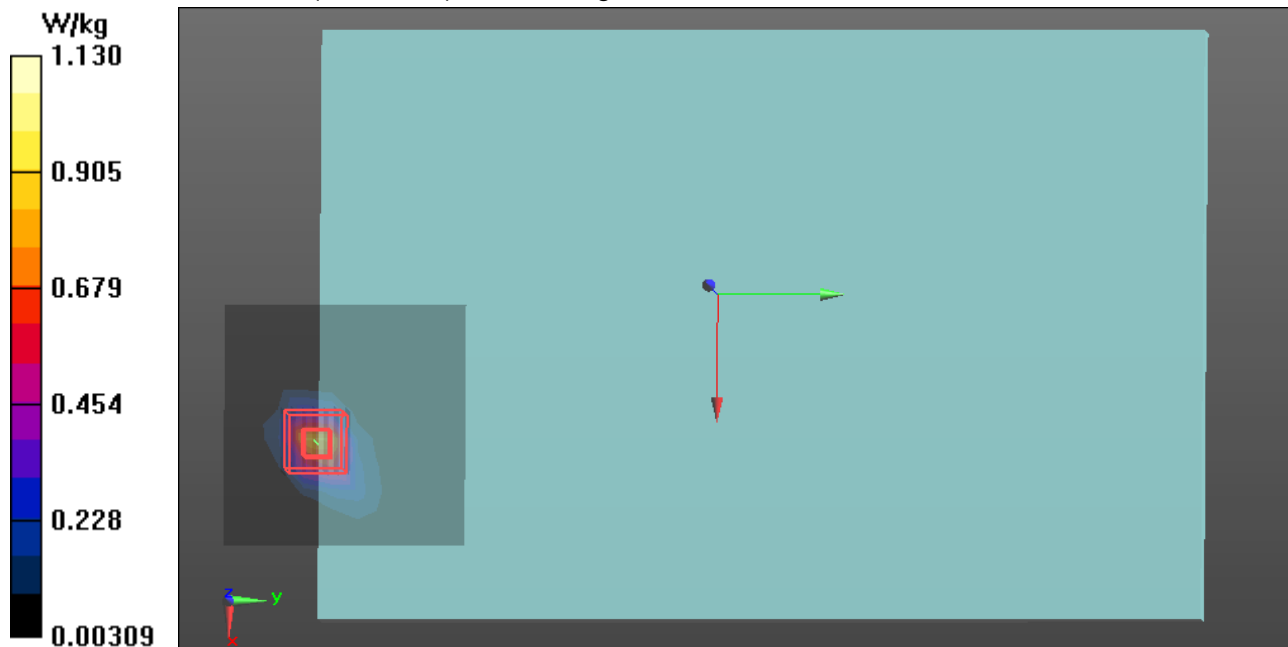
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 1.13 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Chain0 Rear CH52**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.488$ S/m; $\epsilon_r = 47.367$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH52/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.77 W/kg

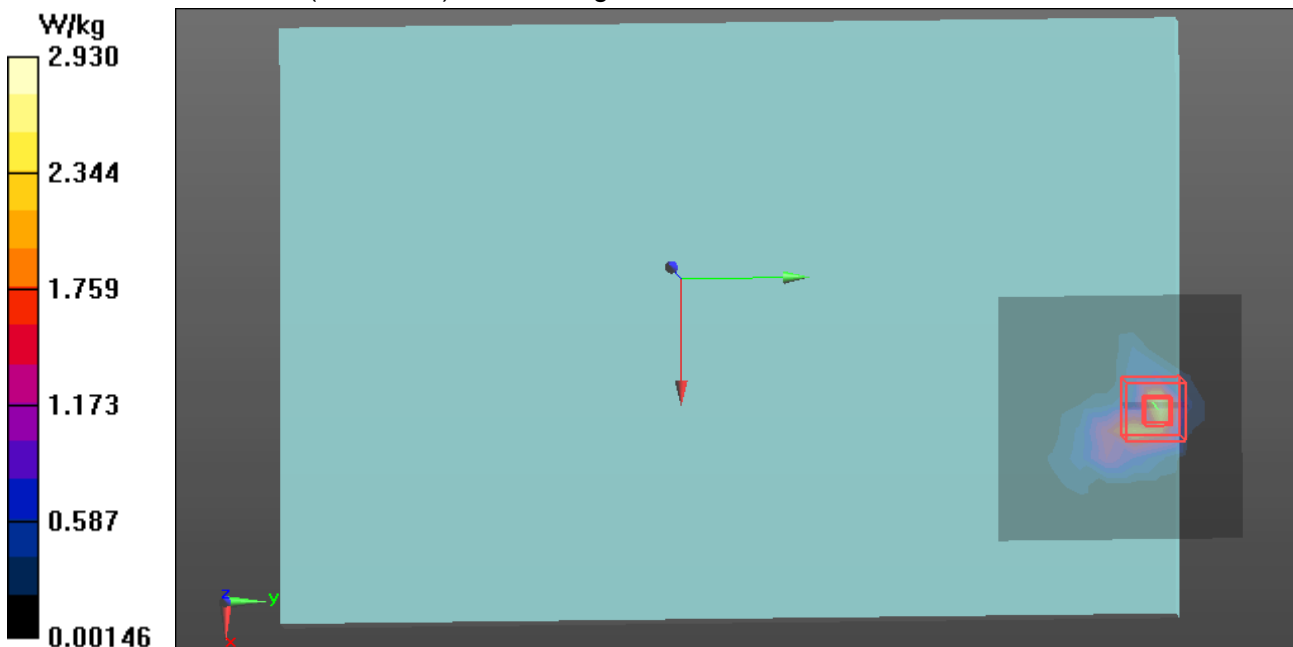
WIFI Chain0/IEEE802.11a Body Rear CH52/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.11 W/kg

SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.431 W/kg

Maximum value of SAR (measured) = 2.93 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Chain0 Rear CH64**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.479$ S/m; $\epsilon_r = 46.975$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH64/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.48 W/kg

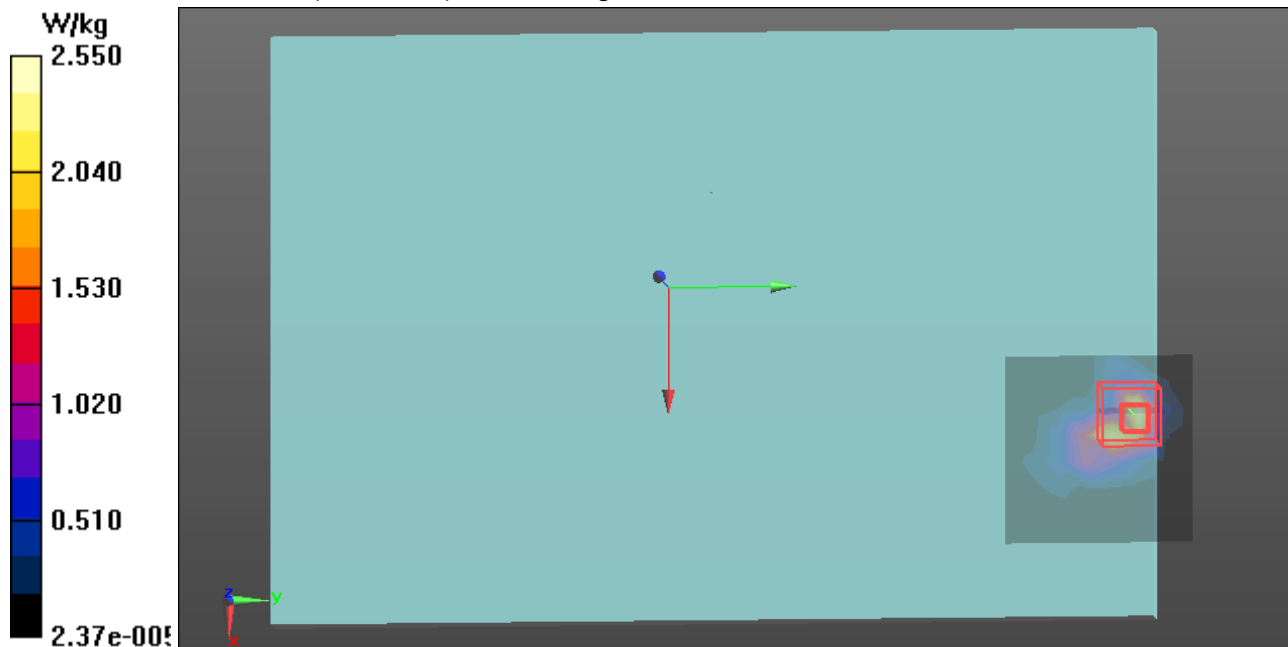
WIFI Chain0/IEEE802.11a Body Rear CH64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.356 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 5.86 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.420 W/kg

Maximum value of SAR (measured) = 2.55 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Chain0 Rear VHT80 CH58**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 5G VHT80; Communication System Band: VHT80; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 5.417$ S/m; $\epsilon_r = 47.337$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear VHT80 CH58/Area Scan (10x10x1): Measurement grid:
dx=10mm, dy=10mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 3.09 W/kg

WIFI Chain0/IEEE802.11a Body Rear VHT80 CH58/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

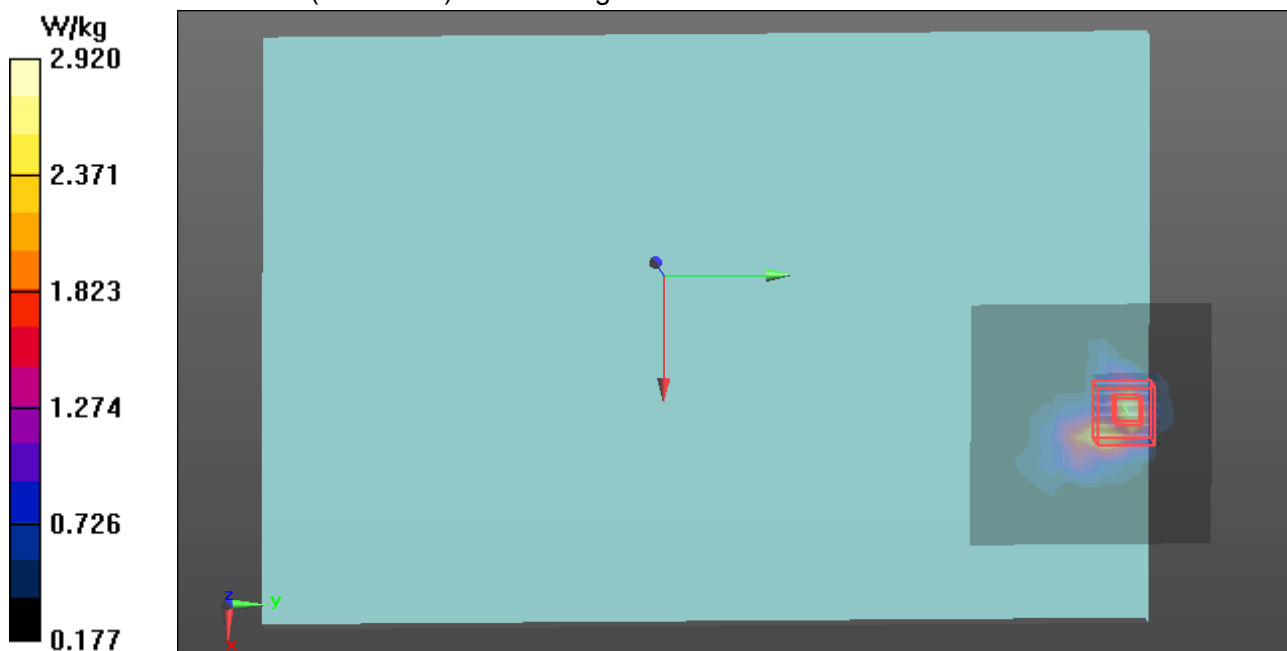
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.566 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 6.08 W/kg

SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.610 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 2.92 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI a-Body Chain0 -Edge4 CH52**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.488$ S/m; $\epsilon_r = 47.367$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Edge 4 CH52 /Area Scan (10x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.31 W/kg

WIFI Chain0/IEEE802.11a Body Edge 4 CH52 /Zoom Scan (9x9x7)/Cube 0: Measurement grid:

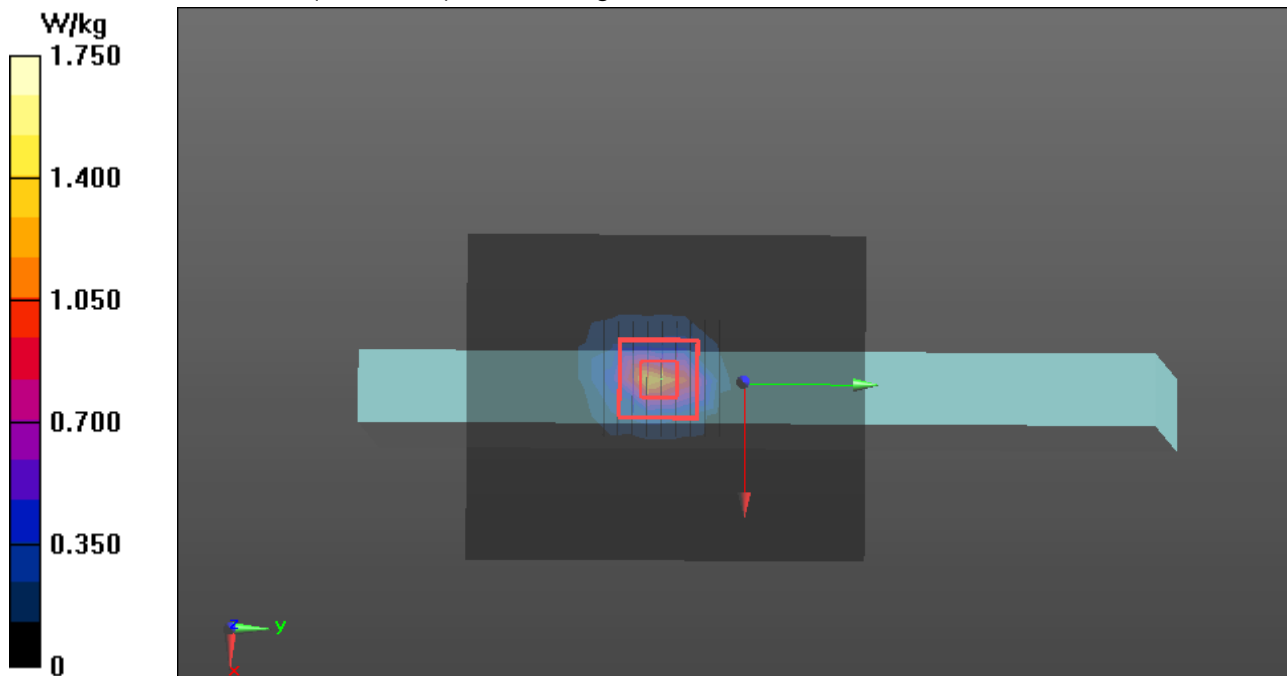
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.067 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 1.75 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Bottom Chain0 Rear CH52**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.488$ S/m; $\epsilon_r = 47.367$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Bottom CH52 /Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.889 W/kg

WIFI Chain1/IEEE802.11a Body Bottom CH52 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

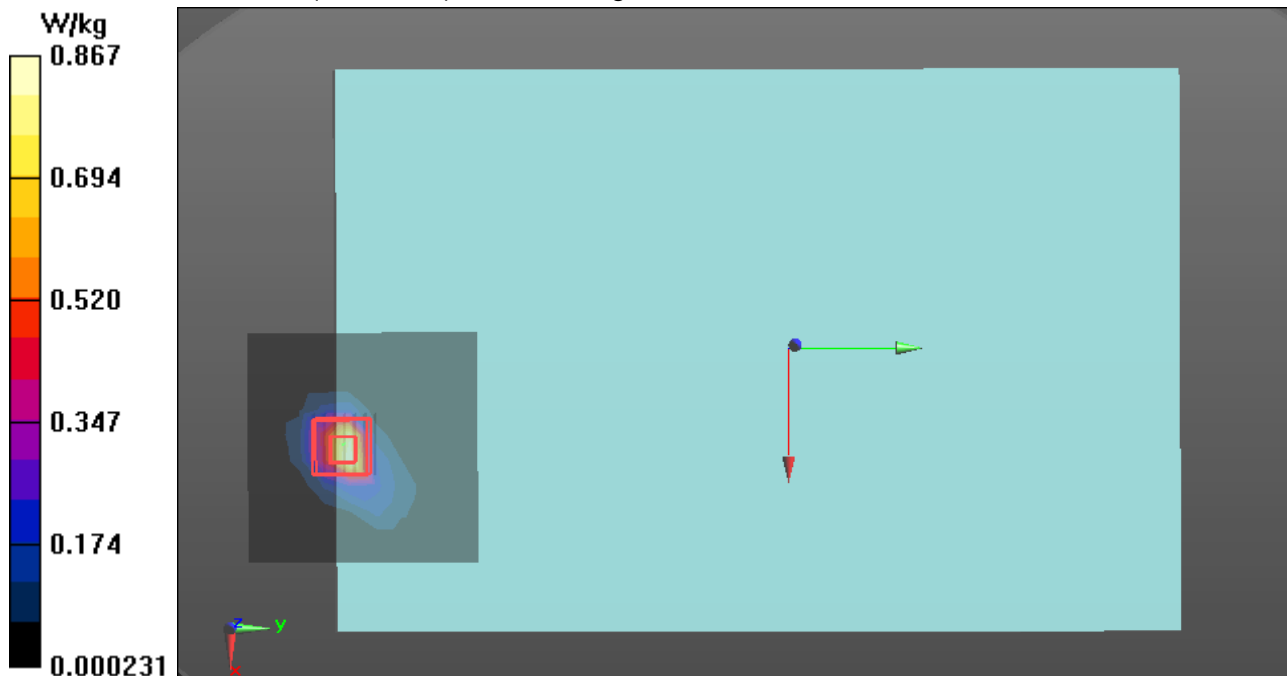
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.867 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain0 Rear CH104**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5520$ MHz; $\sigma = 5.804$ S/m; $\epsilon_r = 47.881$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.93, 3.93, 3.93); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH104 /Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.84 W/kg

WIFI Chain0/IEEE802.11a Body Rear CH104 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

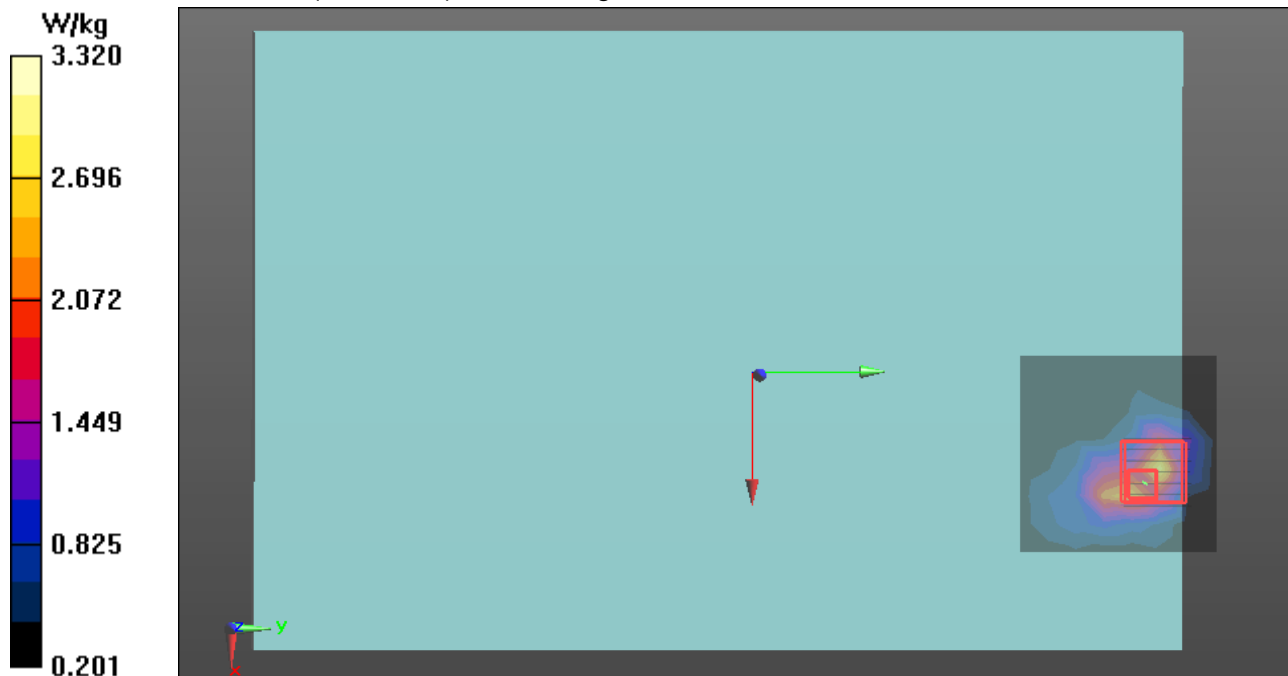
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.760 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 6.26 W/kg

SAR(1 g) = 1.38 W/kg; SAR(10 g) = 0.631 W/kg

Maximum value of SAR (measured) = 3.32 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain0 Rear CH116**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.774$ S/m; $\epsilon_r = 47.282$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH116/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.39 W/kg

WIFI Chain0/IEEE802.11a Body Rear CH116/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

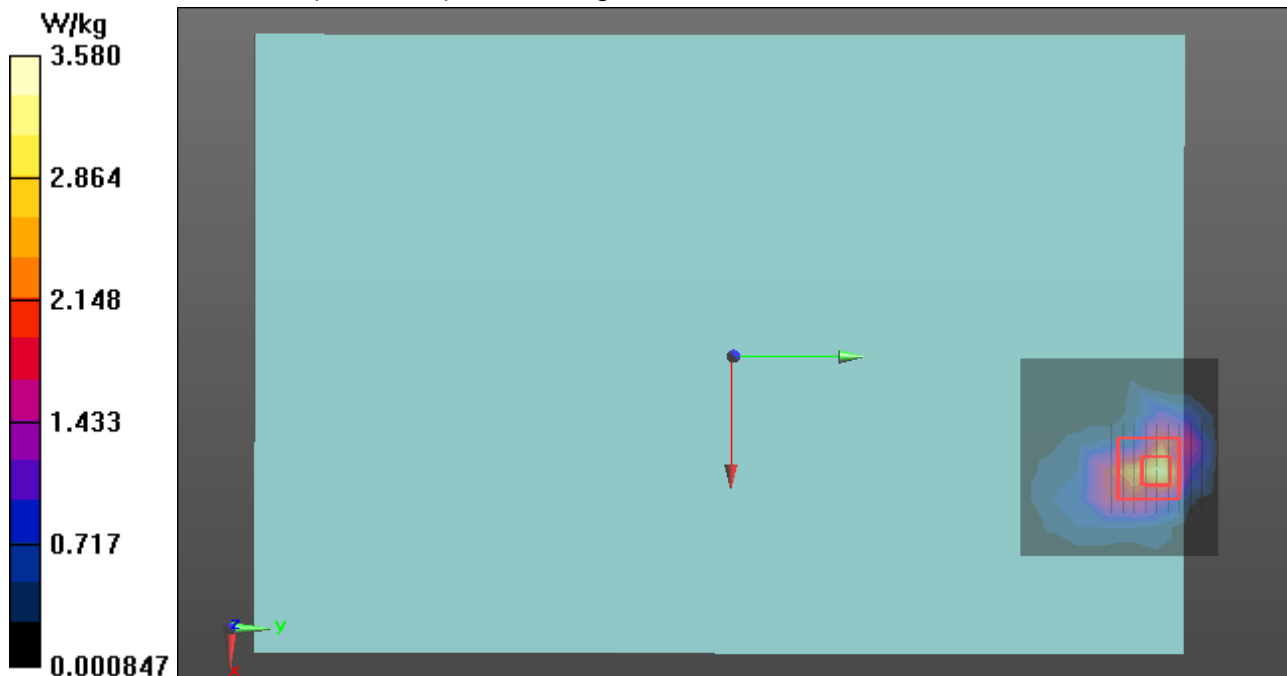
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.618 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 7.50 W/kg

SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.493 W/kg

Maximum value of SAR (measured) = 3.58 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain0 Rear CH136**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 5.911$ S/m; $\epsilon_r = 47.234$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH136/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.27 W/kg

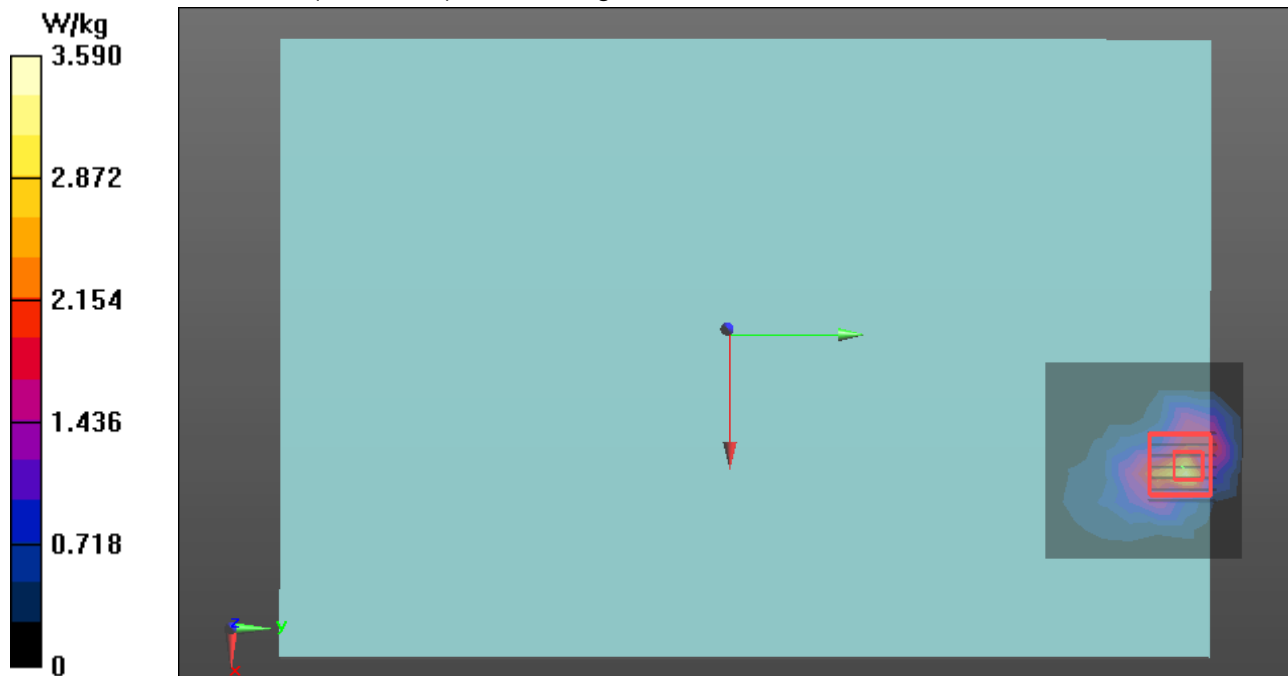
WIFI Chain0/IEEE802.11a Body Rear CH136/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.116 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 7.53 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.445 W/kg

Maximum value of SAR (measured) = 3.59 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain0 Rear VHT80 CH138**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 5G VHT80; Communication System Band: VHT80; Frequency: 5690 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.919$ S/m; $\epsilon_r = 47.085$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11ac VHT80 Body Rear CH138/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.85 W/kg

WIFI Chain0/IEEE802.11ac VHT80 Body Rear CH138/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

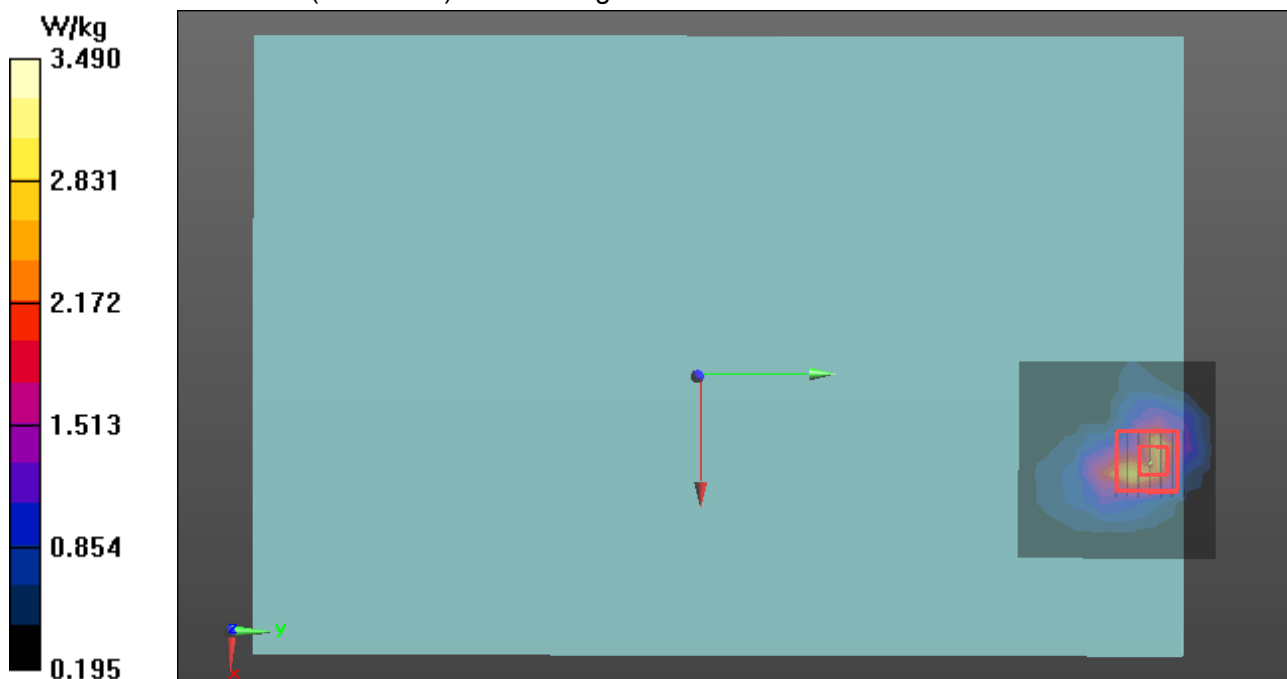
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.699 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 7.41 W/kg

SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.531 W/kg

Maximum value of SAR (measured) = 3.49 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI a-Body Chain0 -edge4 CH116**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.774$ S/m; $\epsilon_r = 47.282$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Edge 4 CH116/Area Scan (10x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.39 W/kg

WIFI Chain0/IEEE802.11a Body Edge 4 CH116/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

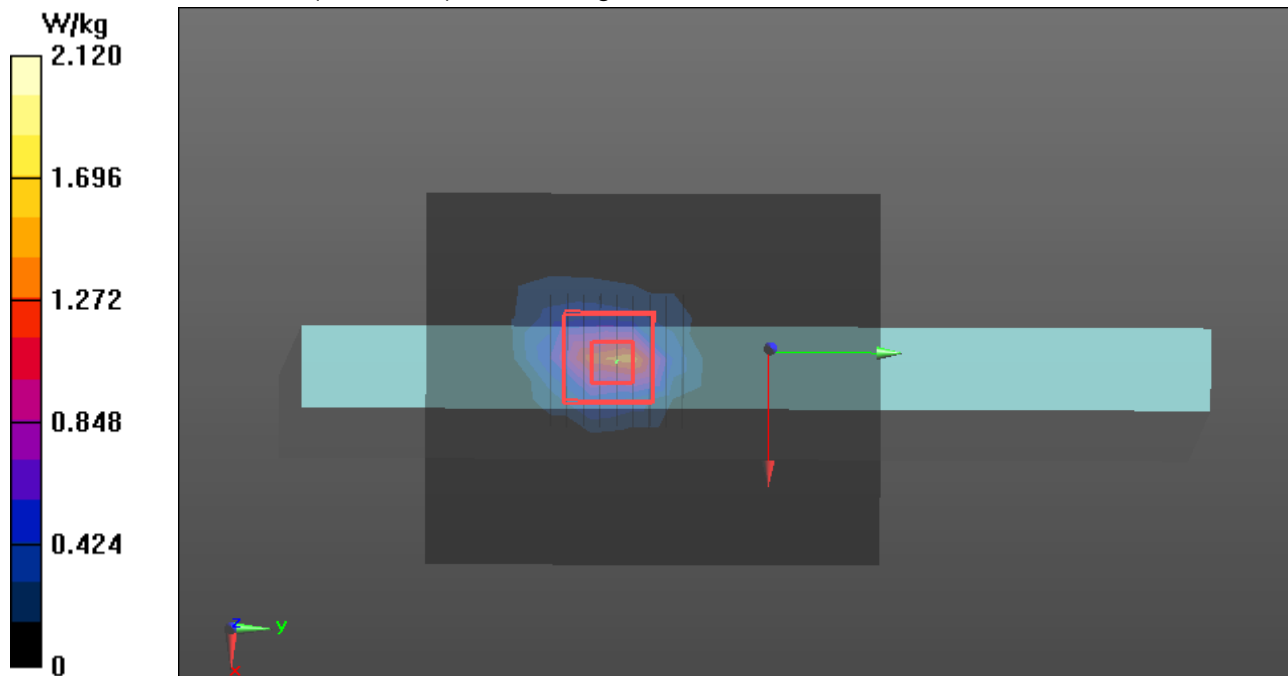
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.238 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.00 W/kg

SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.239 W/kg

Maximum value of SAR (measured) = 2.12 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Bottom Chain0 Rear CH116**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.774$ S/m; $\epsilon_r = 47.282$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Bottom CH116 /Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.62 W/kg

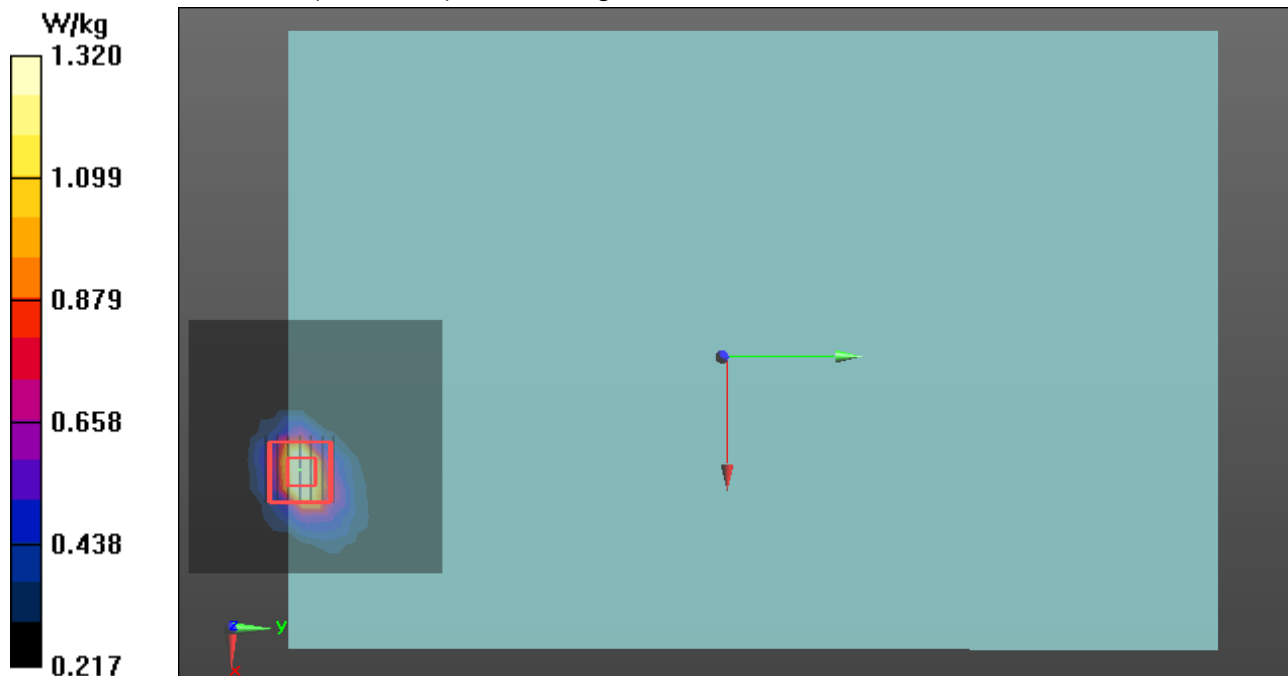
WIFI Chain1/IEEE802.11a Body Bottom CH116 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.827 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.394 W/kg

Maximum value of SAR (measured) = 1.32 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain0 Rear CH149**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5745 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.225$ S/m; $\epsilon_r = 47.061$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH149/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.17 W/kg

WIFI Chain0/IEEE802.11a Body Rear CH149/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

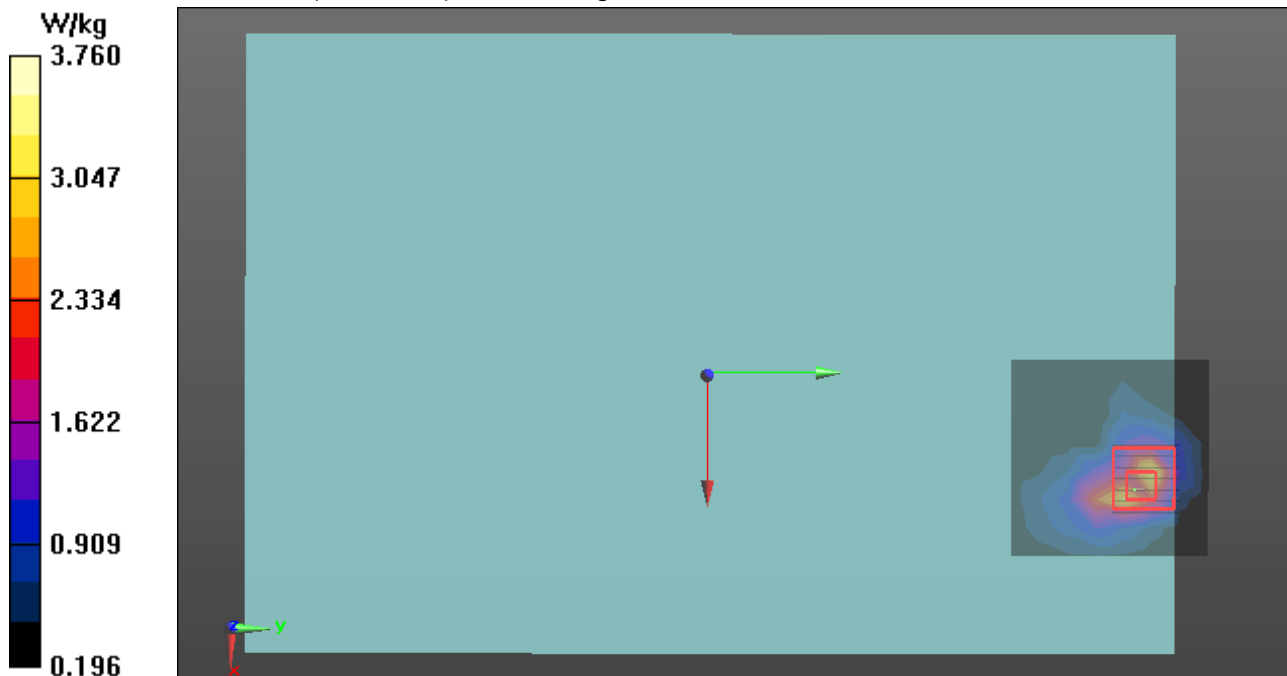
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.259 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 7.88 W/kg

SAR(1 g) = 1.44 W/kg; SAR(10 g) = 0.606 W/kg

Maximum value of SAR (measured) = 3.76 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain0 Rear CH157**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5785 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 6.146$ S/m; $\epsilon_r = 47.083$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH157/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.24 W/kg

WIFI Chain0/IEEE802.11a Body Rear CH157/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

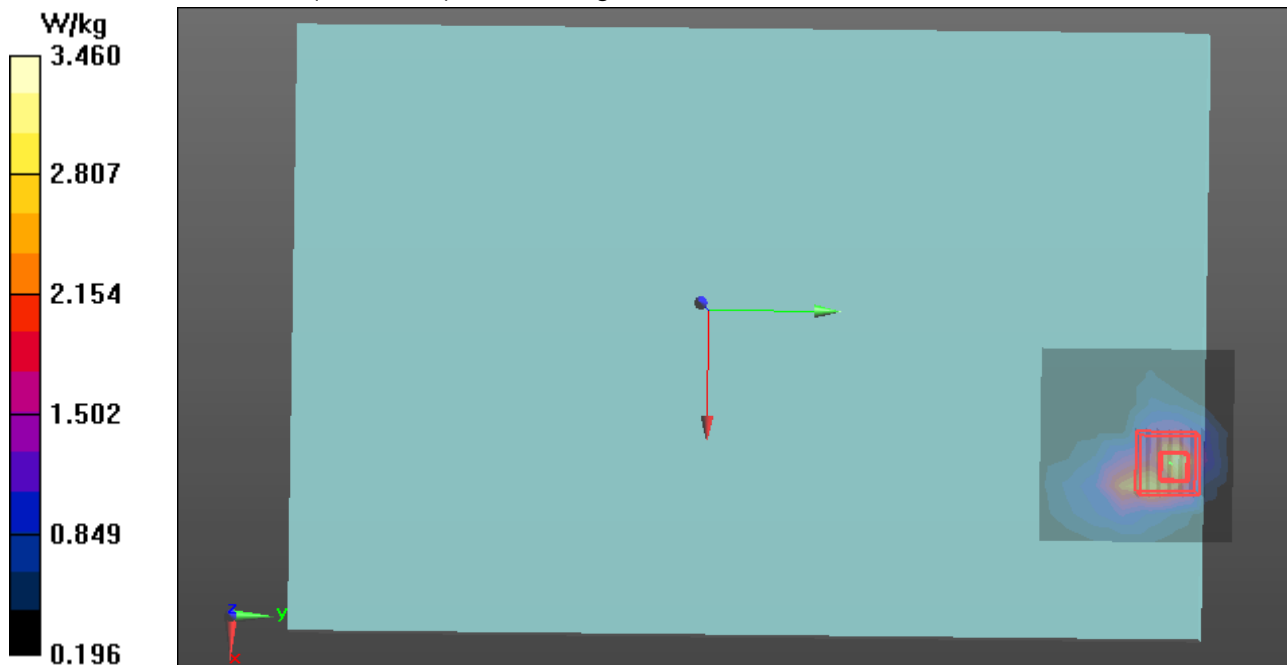
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.521 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 7.13 W/kg

SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.558 W/kg

Maximum value of SAR (measured) = 3.46 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain0 Rear CH165**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 6.164$ S/m; $\epsilon_r = 46.53$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH165/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.89 W/kg

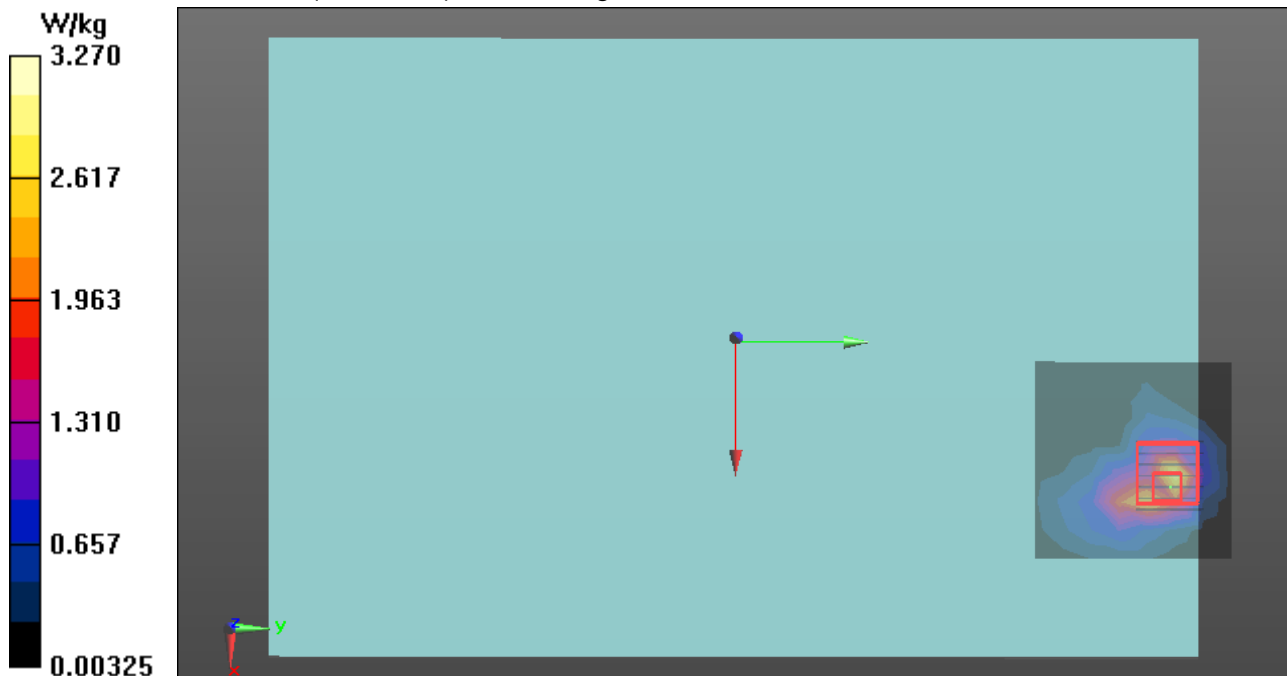
WIFI Chain0/IEEE802.11a Body Rear CH165/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.75 W/kg

SAR(1 g) = 1.42 W/kg; SAR(10 g) = 0.620 W/kg

Maximum value of SAR (measured) = 3.27 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain0 Rear VHT80 CH155**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 5G VHT80; Communication System Band: VHT80; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 47.164$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear VHT80 CH155/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.25 W/kg

WIFI Chain0/IEEE802.11a Body Rear VHT80 CH155/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

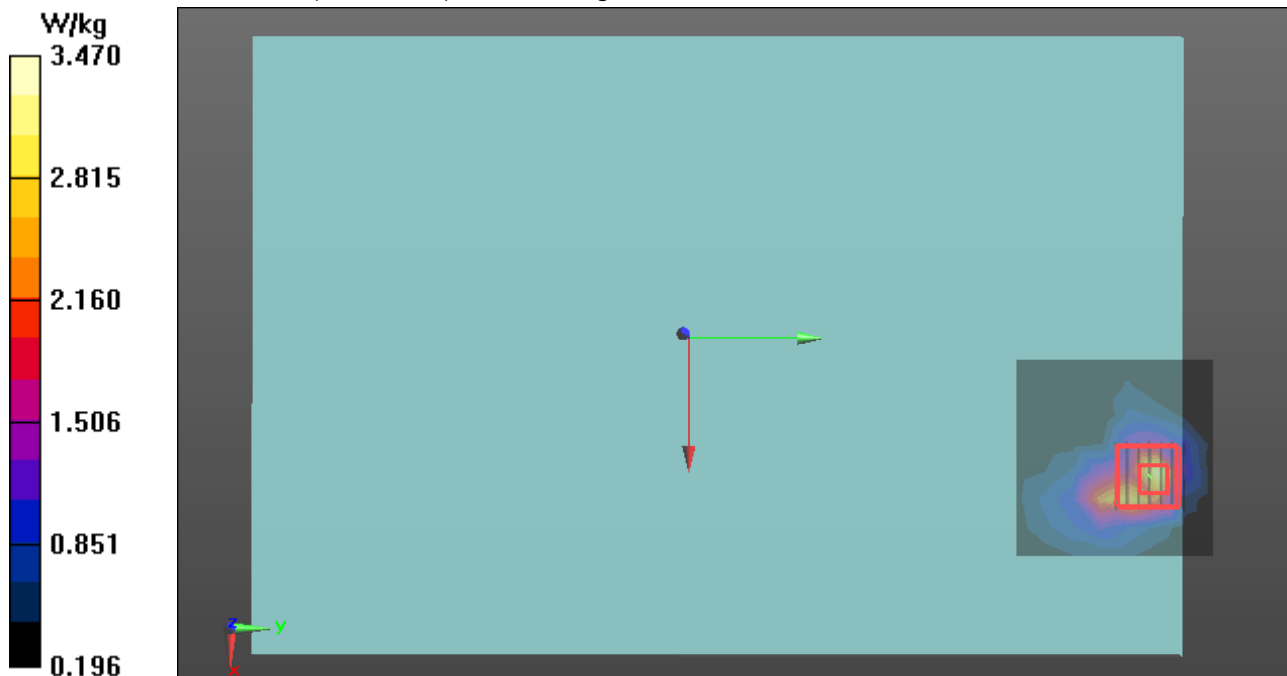
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.512 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 7.15 W/kg

SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.609 W/kg

Maximum value of SAR (measured) = 3.47 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI a-Body Chain0 -Edge4 CH149**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.225$ S/m; $\epsilon_r = 47.061$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Edge 4 CH149/Area Scan (10x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.15 W/kg

WIFI Chain0/IEEE802.11a Body Edge 4 CH149/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

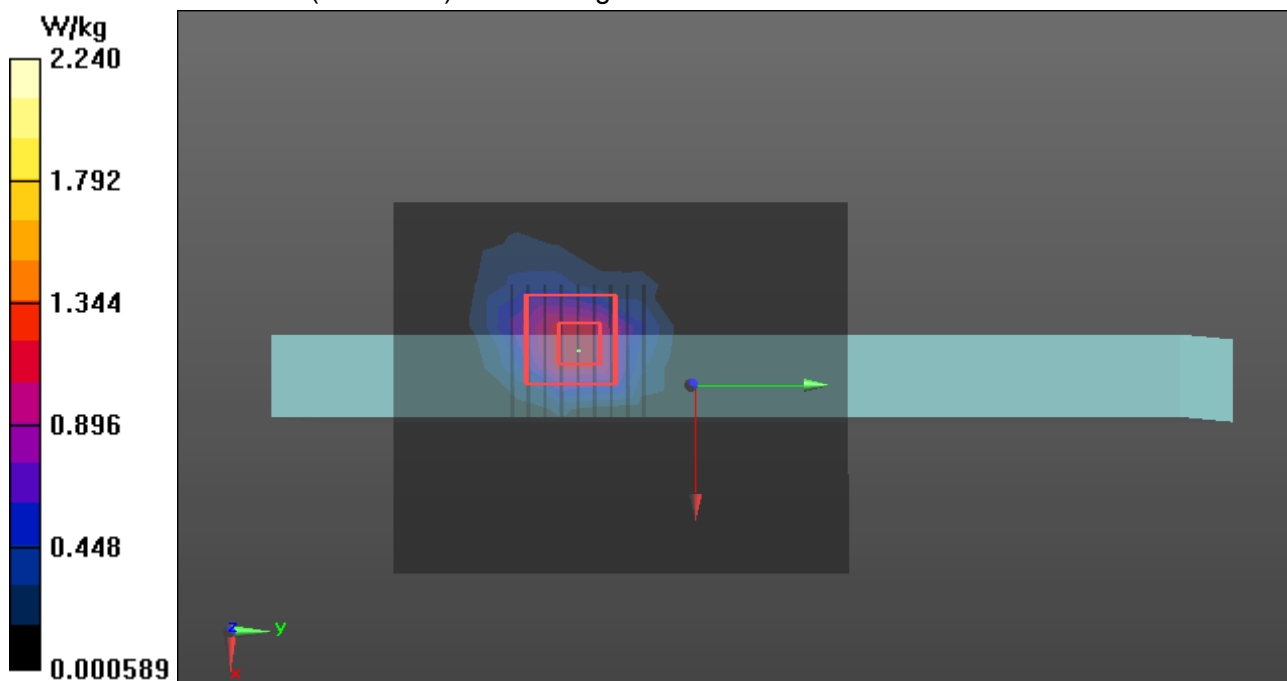
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.144 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.39 W/kg

SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 2.24 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Bottom Chain0 CH149**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.225$ S/m; $\epsilon_r = 47.061$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Bottom CH149/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.44 W/kg

WIFI Chain1/IEEE802.11a Body Bottom CH149/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

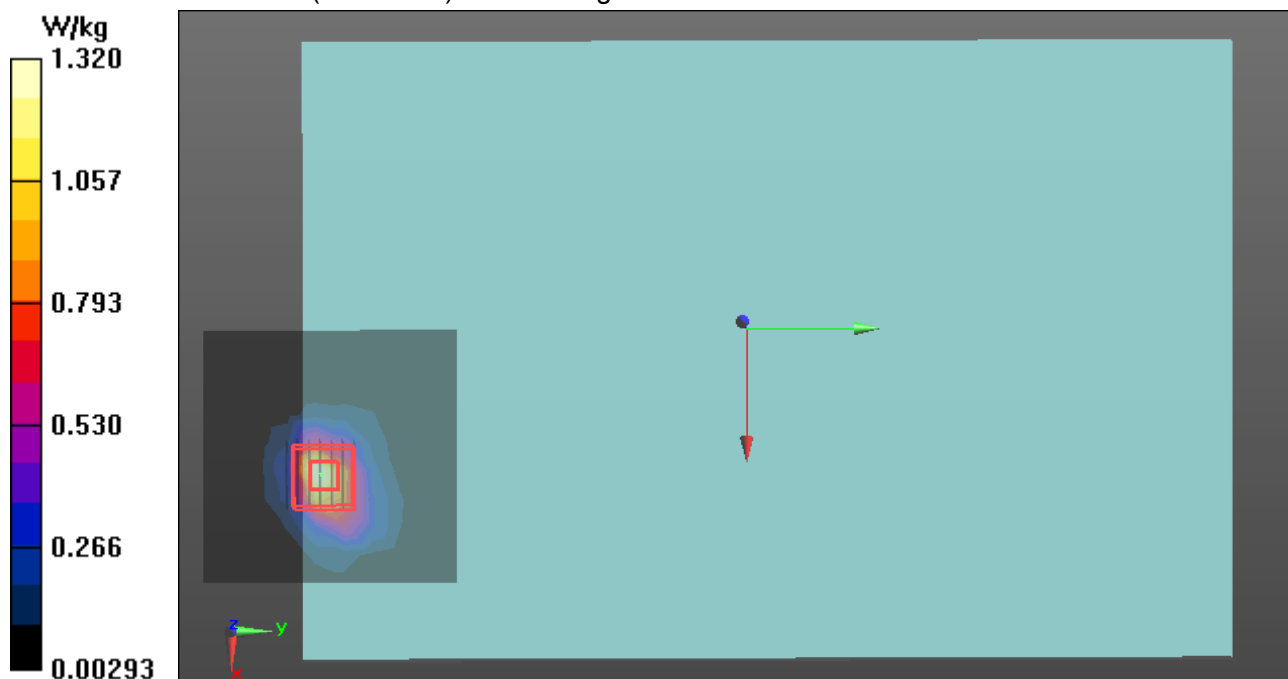
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.346 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 1.32 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain1 CH1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 51.139$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11b Body Rear CH1 /Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.15 W/kg

WIFI Chain 1/IEEE802.11b Body Rear CH1 /Zoom Scan 60 (7x8x7)/Cube 0: Measurement grid:

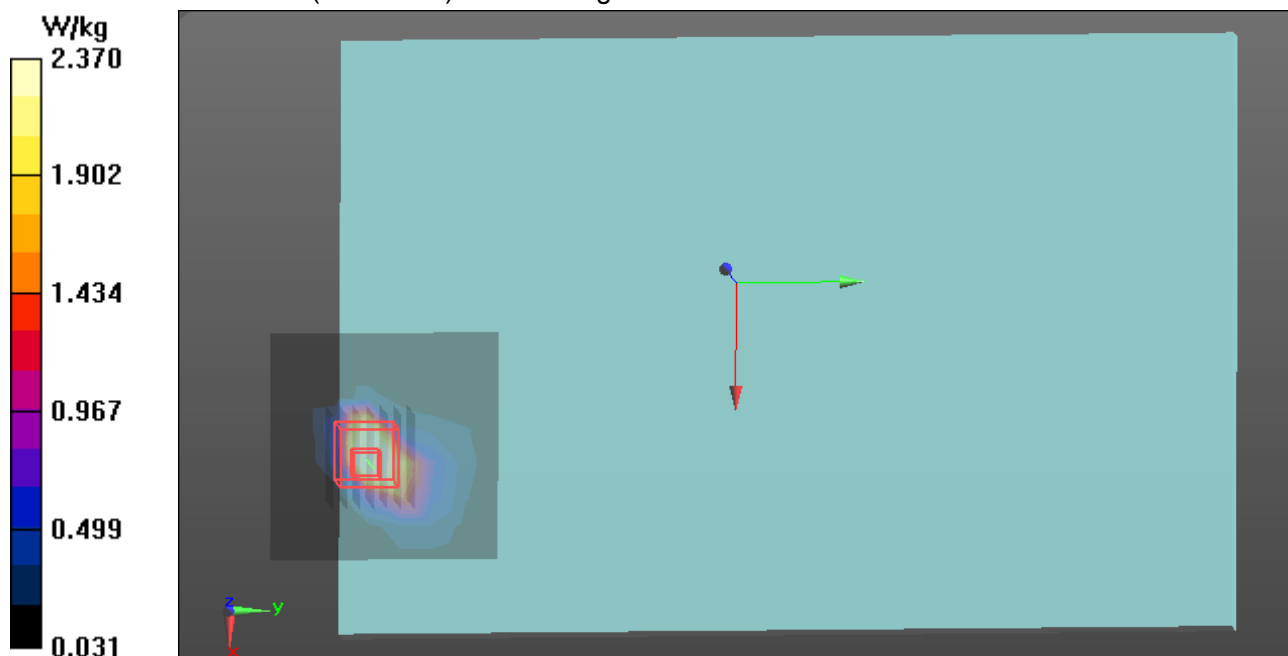
dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.092 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 1.44 W/kg; SAR(10 g) = 0.639 W/kg

Maximum value of SAR (measured) = 2.37 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain1 CH6**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 51.125$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11b Body Rear CH6 /Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.61 W/kg

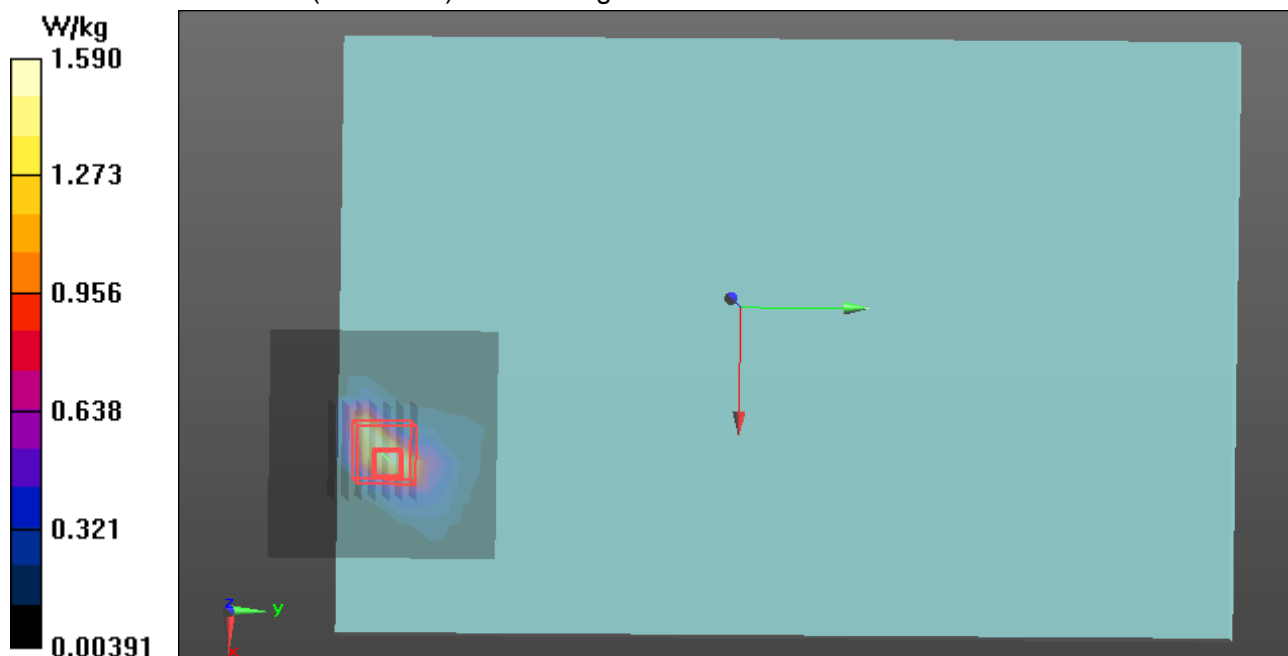
WIFI Chain 1/IEEE802.11b Body Rear CH6 /Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.107 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.965 W/kg; SAR(10 g) = 0.406 W/kg

Maximum value of SAR (measured) = 1.59 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain1 CH11**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.986 \text{ S/m}$; $\epsilon_r = 50.963$; $\rho = 1000 \text{ kg/m}^3$

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11b Body Rear CH11 /Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.47 W/kg

WIFI Chain 1/IEEE802.11b Body Rear CH11 /Zoom Scan (7x8x7)/Cube 0: Measurement grid:

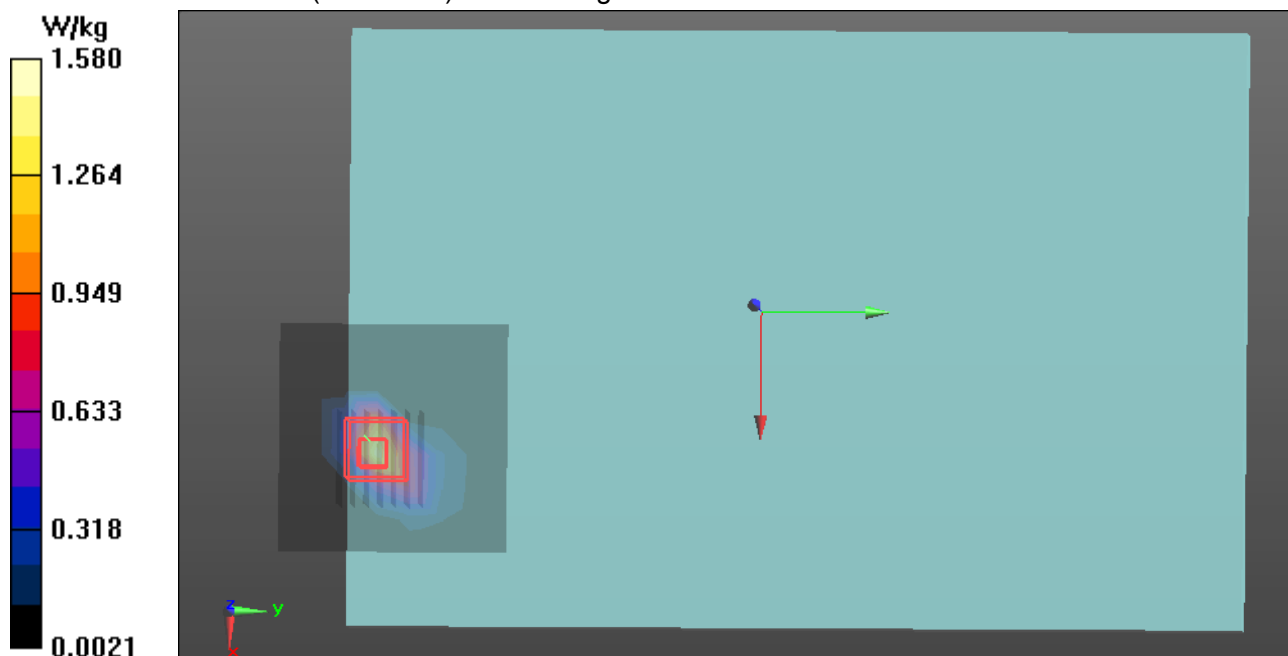
dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.913 W/kg; SAR(10 g) = 0.395 W/kg

Maximum value of SAR (measured) = 1.58 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain1 edge2 CH1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 51.139$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11b Body Edge 2 CH1 /Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.518 W/kg

WIFI Chain 1/IEEE802.11b Body Edge 2 CH1 /Zoom Scan (7x8x7)/Cube 0: Measurement grid:

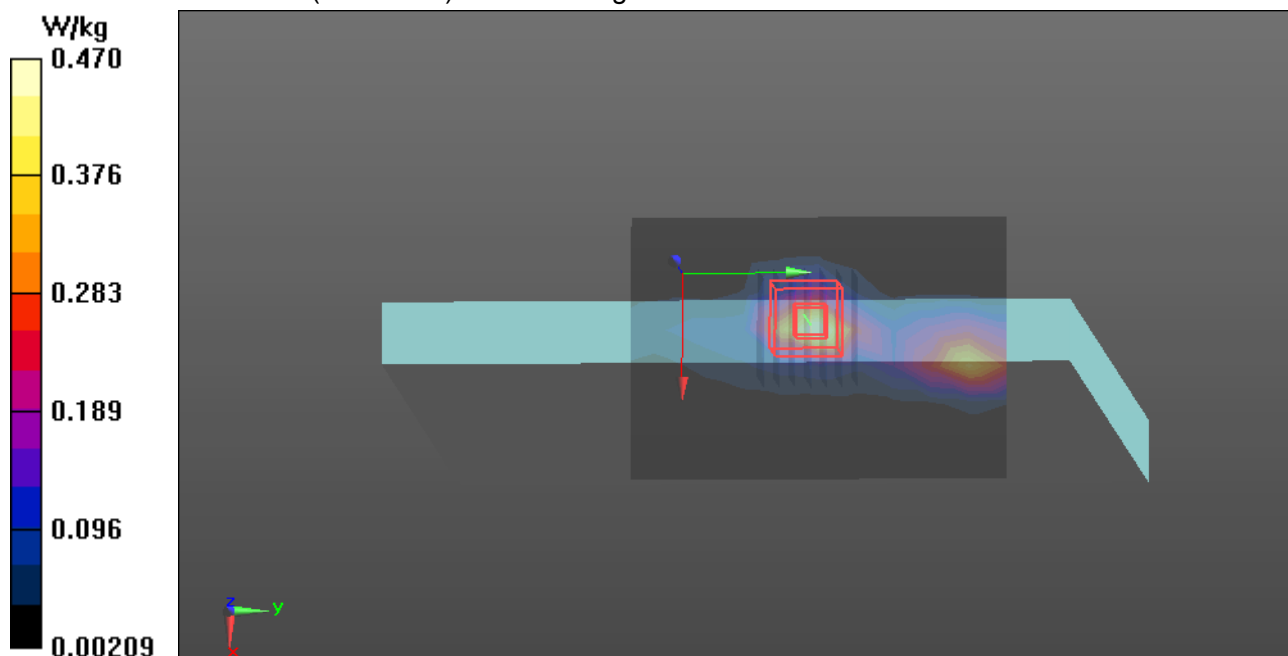
dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.315 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.648 W/kg

SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.470 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Bottom Chain1 CH1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 51.139$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11b Body Bottom CH1 /Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.690 W/kg

WIFI Chain1/IEEE802.11b Body Bottom CH1 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

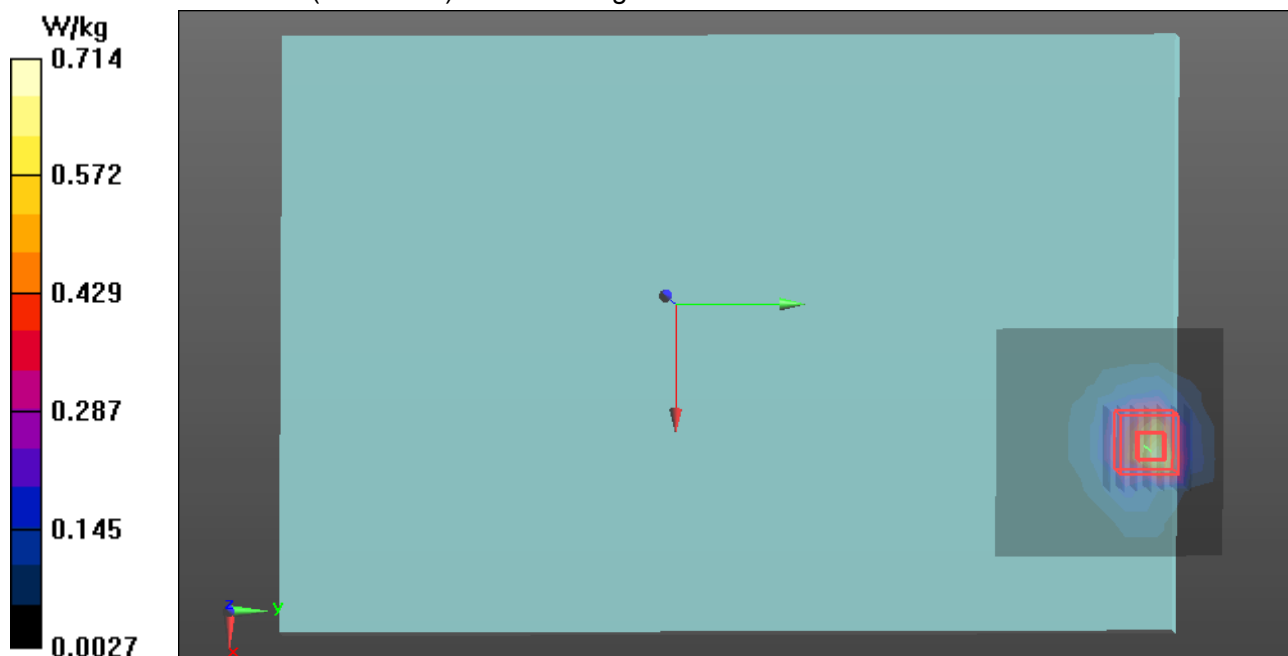
dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 0.714 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Chain1 Rear CH36**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 5.294$ S/m; $\epsilon_r = 47.766$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH36/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.07 W/kg

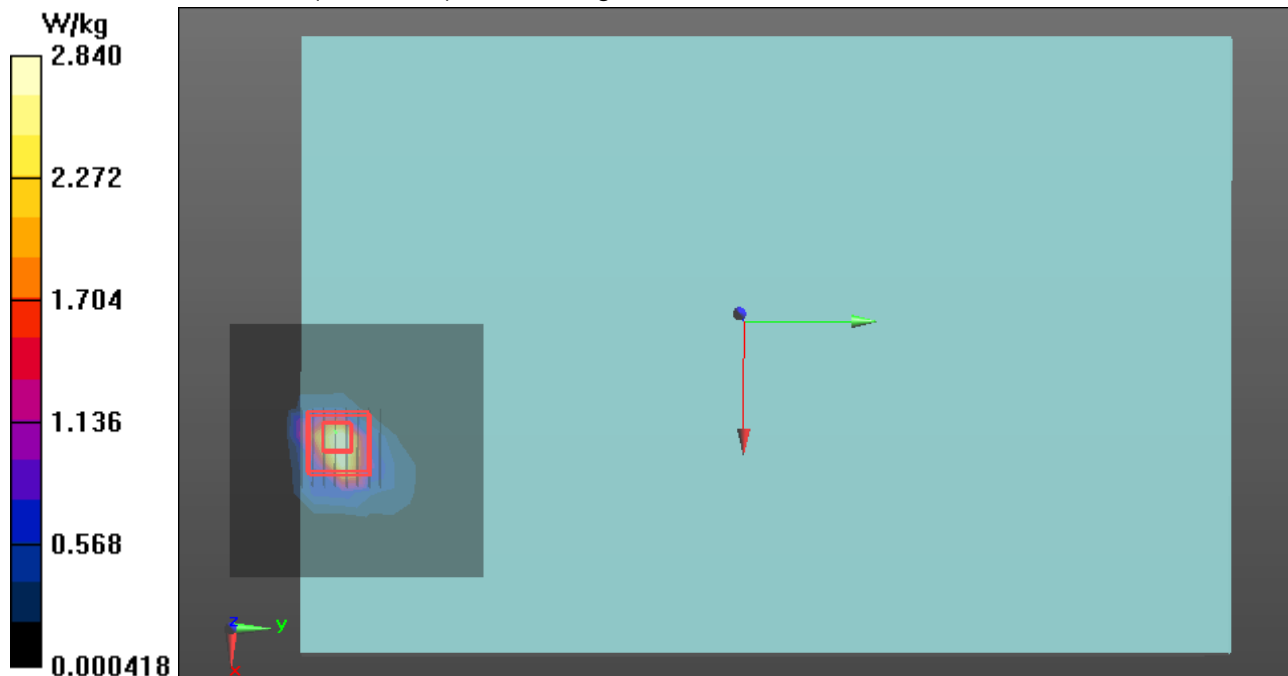
WIFI Chain1/IEEE802.11a Body Rear CH36/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.83 W/kg

SAR(1 g) = 1.44 W/kg; SAR(10 g) = 0.419 W/kg

Maximum value of SAR (measured) = 2.84 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Chain1 Rear CH48**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.456$ S/m; $\epsilon_r = 47.184$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH48/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.37 W/kg

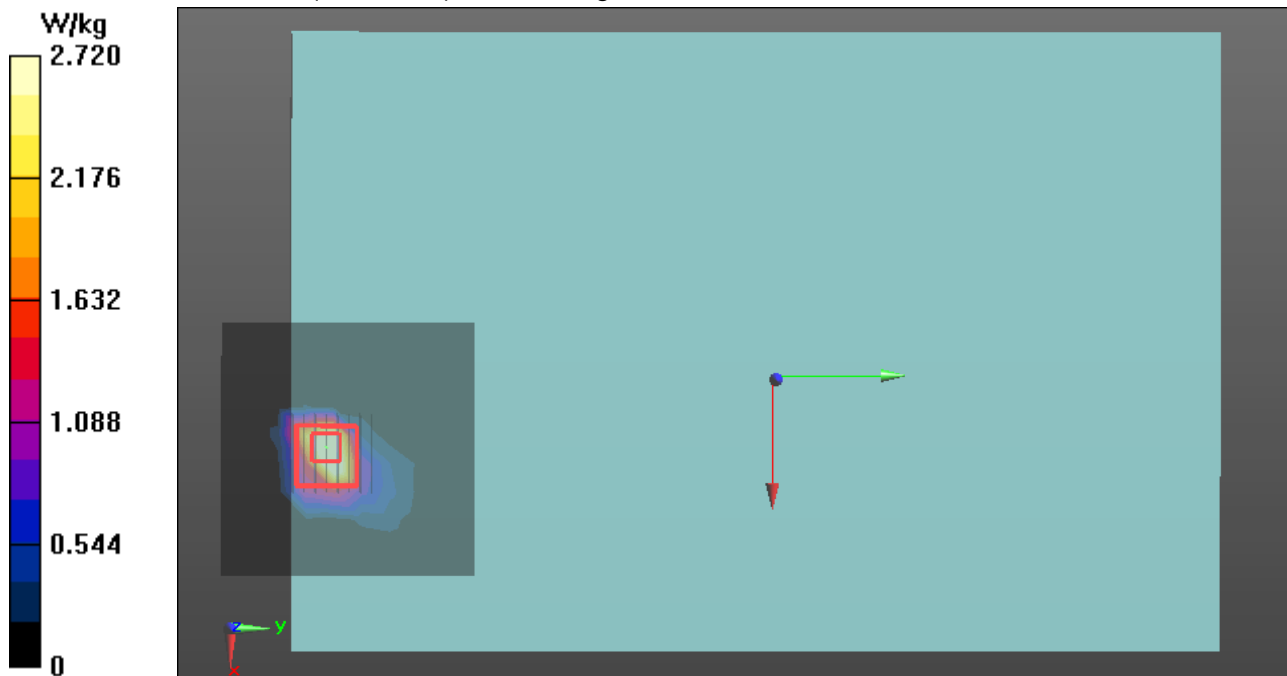
WIFI Chain1/IEEE802.11a Body Rear CH48/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.270 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.59 W/kg

SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.393 W/kg

Maximum value of SAR (measured) = 2.72 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Chain1 Rear VHT80 CH42**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 5G VHT80; Communication System Band: VHT80; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5210$ MHz; $\sigma = 5.308$ S/m; $\epsilon_r = 47.333$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11 5G VHT80 Body Rear CH42/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 2.78 W/kg

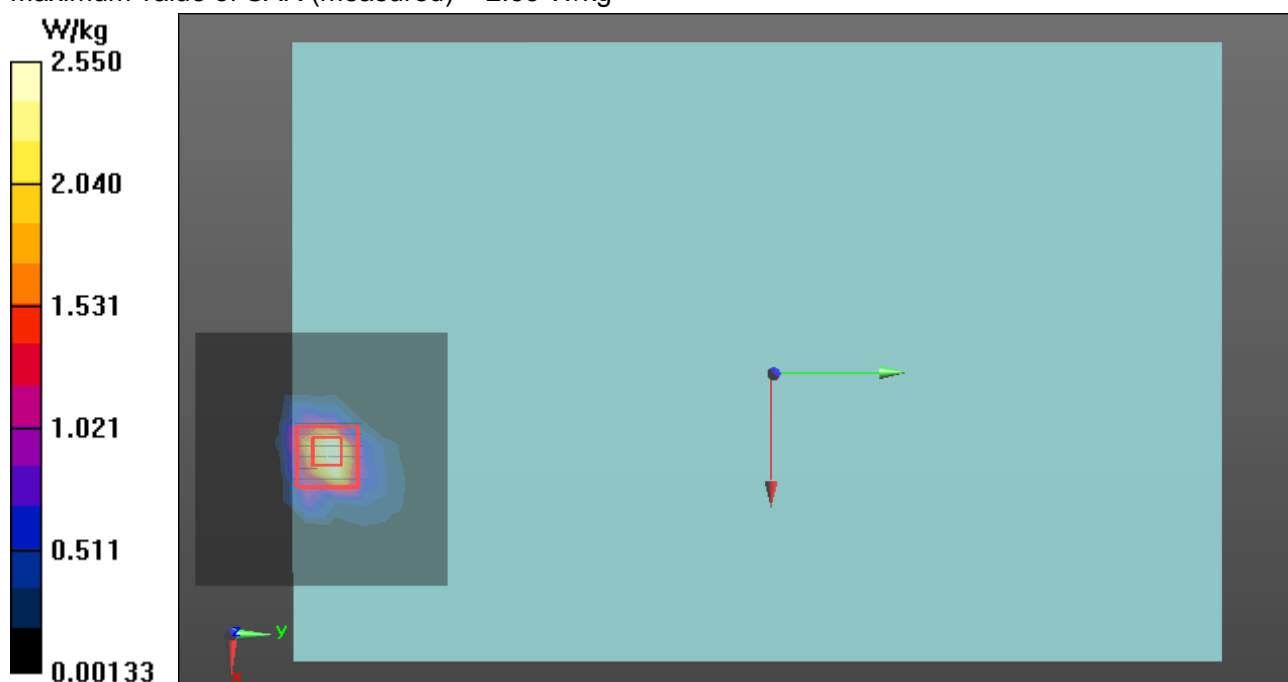
WIFI Chain1/IEEE802.11 5G VHT80 Body Rear CH42 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.530 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 5.84 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.423 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 2.55 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI a-Body Chain1 Edge2 CH36**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 5.294$ S/m; $\epsilon_r = 47.766$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11a Body Edge 2 CH36/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.20 W/kg

WIFI Chain 1/IEEE802.11a Body Edge 2 CH36/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

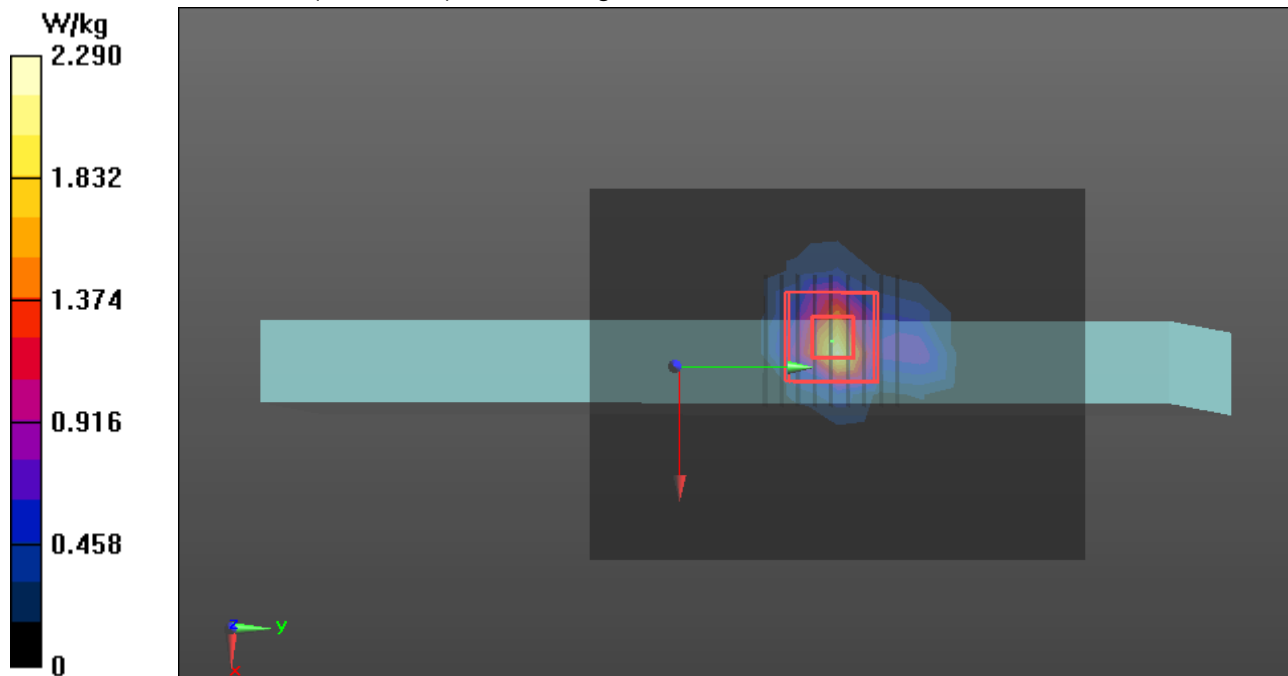
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.266 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 4.76 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (measured) = 2.29 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Bottom Chain1 CH36**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 5.294$ S/m; $\epsilon_r = 47.766$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Bottom CH36 /Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.16 W/kg

WIFI Chain1/IEEE802.11a Body Bottom CH36 Zoom Scan (8x8x7)/Cube 0: Measurement grid:

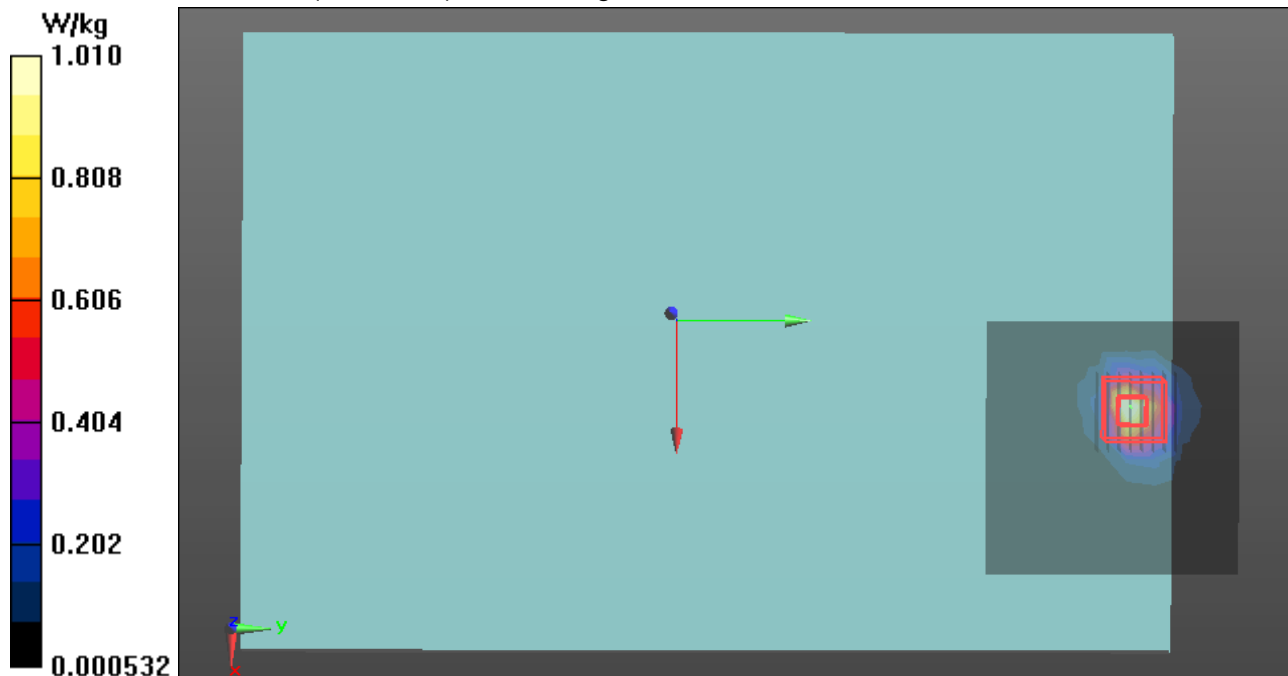
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 1.01 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Chain1 Rear CH52**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.488$ S/m; $\epsilon_r = 47.367$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH52/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.40 W/kg

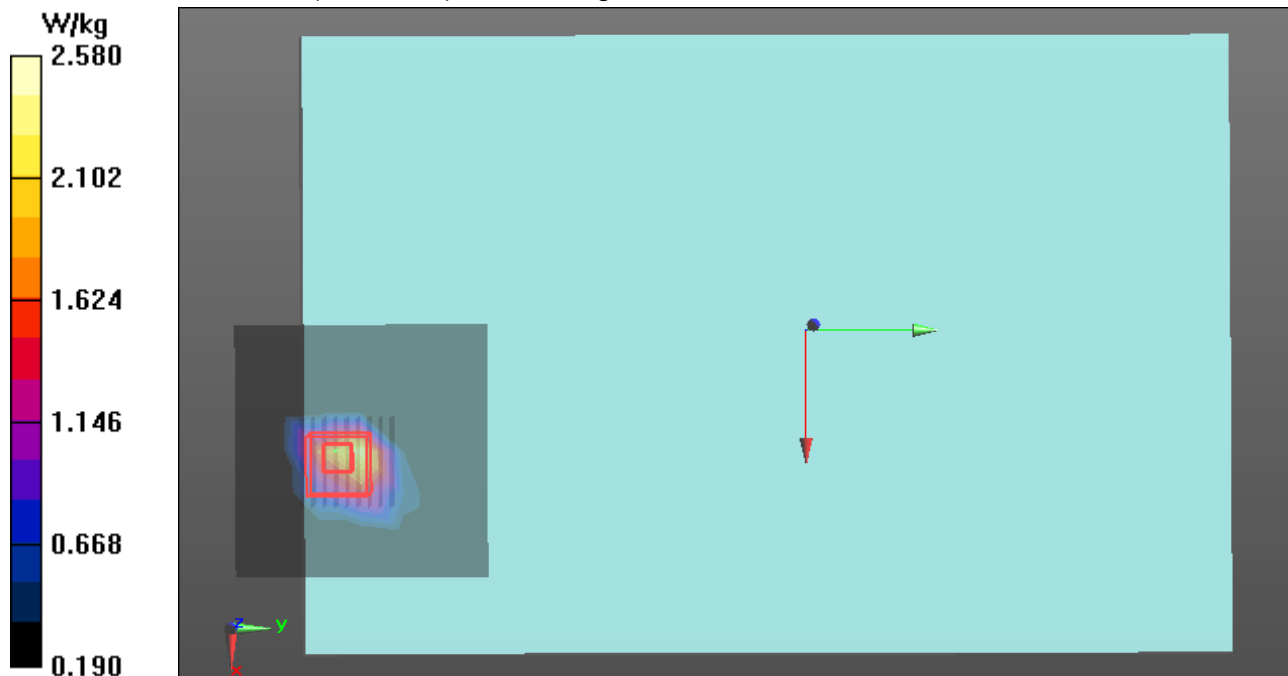
WIFI Chain1/IEEE802.11a Body Rear CH52/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.70 W/kg

SAR(1 g) = 1.42 W/kg; SAR(10 g) = 0.583 W/kg

Maximum value of SAR (measured) = 2.58 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Chain1 Rear CH64**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.479$ S/m; $\epsilon_r = 46.975$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH64/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.73 W/kg

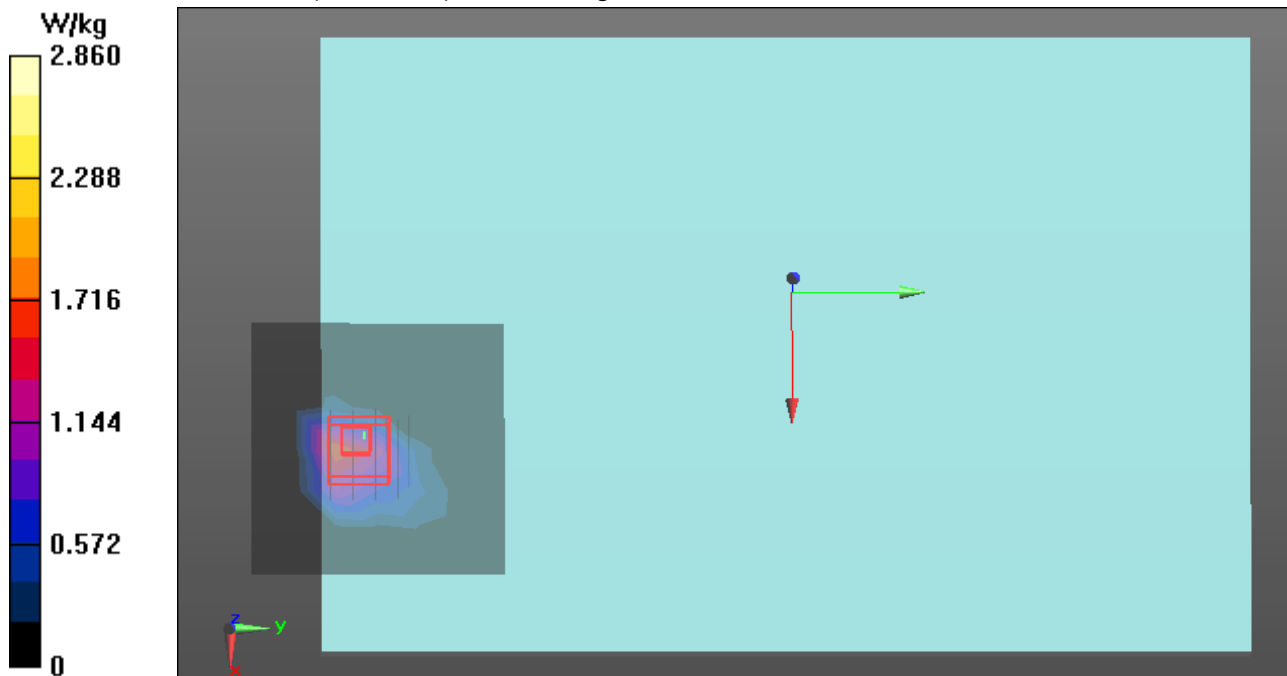
WIFI Chain1/IEEE802.11a Body Rear CH64/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.27 W/kg

SAR(1 g) = 1.4 W/kg; SAR(10 g) = 0.440 W/kg

Maximum value of SAR (measured) = 2.86 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Chain1 Rear VHT80 CH58**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 5G VHT80; Communication System Band: VHT80; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 5.417$ S/m; $\epsilon_r = 47.337$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear VHT80 CH58/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 2.57 W/kg

WIFI Chain1/IEEE802.11a Body Rear VHT80 CH58/Zoom Scan (8x8x7)/Cube 0: Measurement grid:

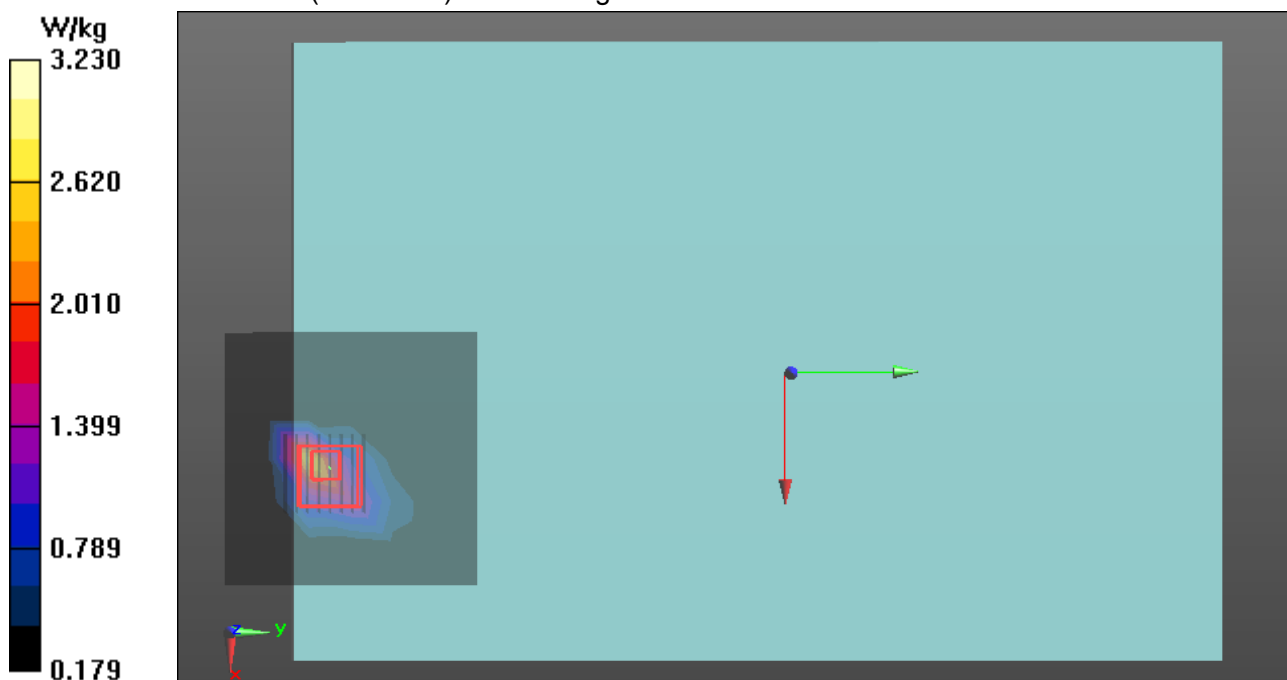
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.989 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 7.06 W/kg

SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.629 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 3.23 W/kg





Compliance Certification Services Inc.

Report No: C140425S02-SF

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Date of Issue :June 24, 2014

IC: 4324A-BRCM1076



Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI a-Body Chain1 Edge2 CH52**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.488$ S/m; $\epsilon_r = 47.367$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11a Body Edge 2 CH52/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.13 W/kg

WIFI Chain 1/IEEE802.11a Body Edge 2 CH52/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

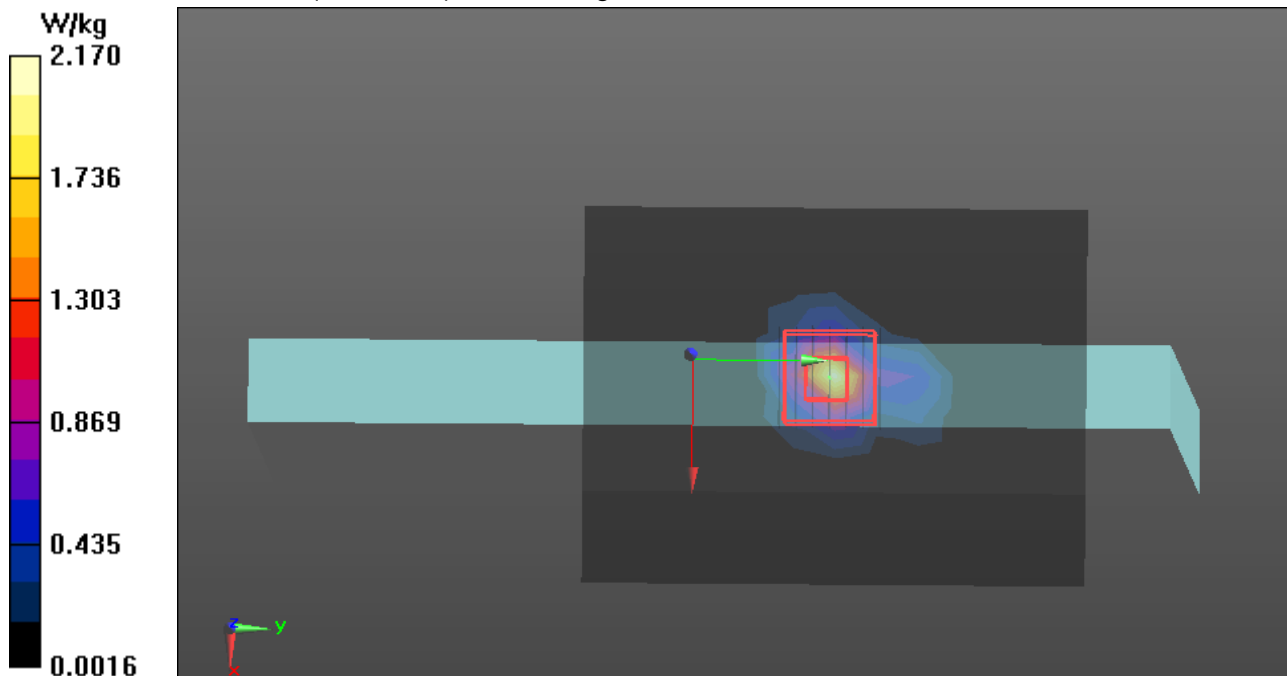
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.839 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.241 W/kg

Maximum value of SAR (measured) = 2.17 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Bottom Chain1 Rear CH52**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.488$ S/m; $\epsilon_r = 47.367$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Bottom CH52 /Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.856 W/kg

WIFI Chain1/IEEE802.11a Body Bottom CH52 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

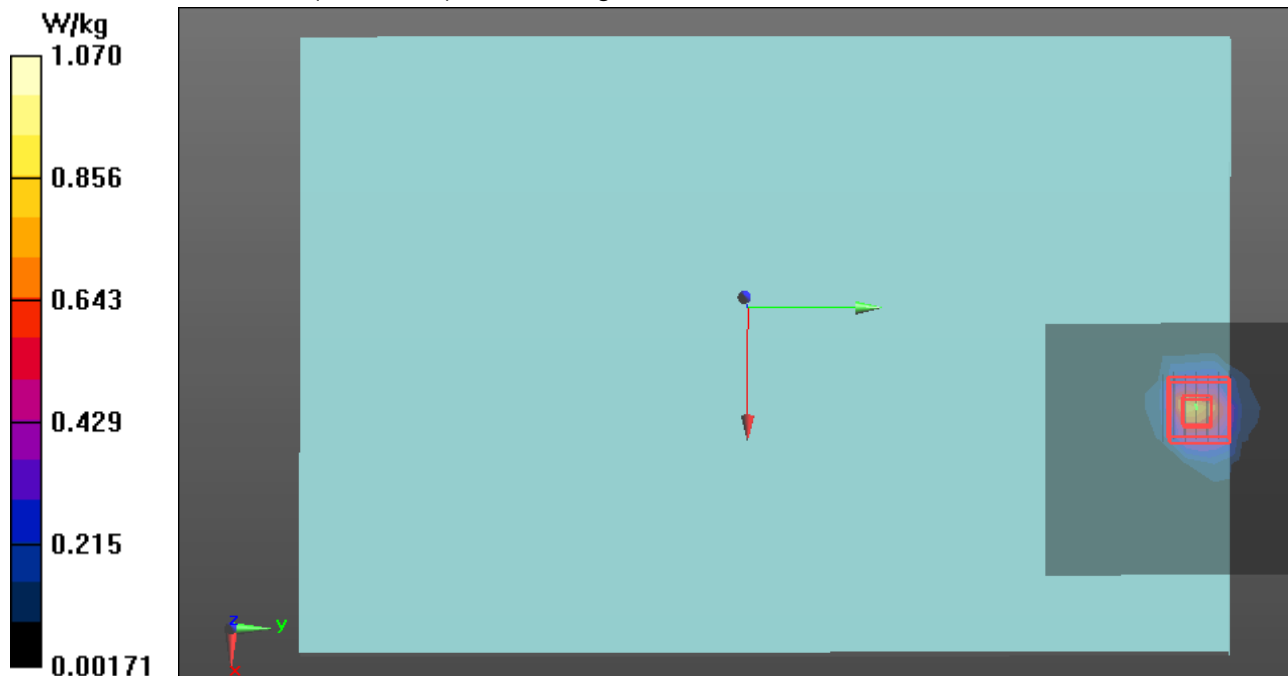
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 1.07 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain1 Rear CH104**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5520$ MHz; $\sigma = 5.804$ S/m; $\epsilon_r = 47.881$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.93, 3.93, 3.93); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH104/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.19 W/kg

WIFI Chain1/IEEE802.11a Body Rear CH104/Zoom Scan (8x8x7)/Cube 0: Measurement grid:

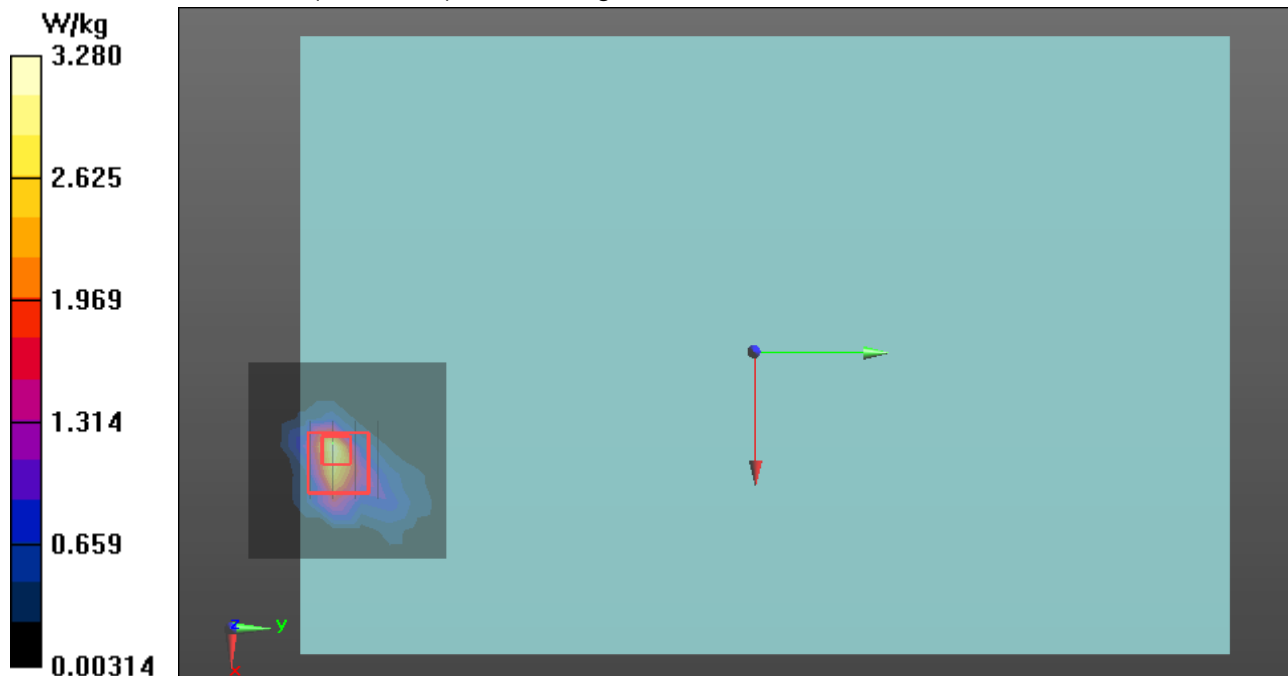
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.606 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.10 W/kg

SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.417 W/kg

Maximum value of SAR (measured) = 3.28 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain1 Rear CH116**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.774$ S/m; $\epsilon_r = 47.282$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH116/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.12 W/kg

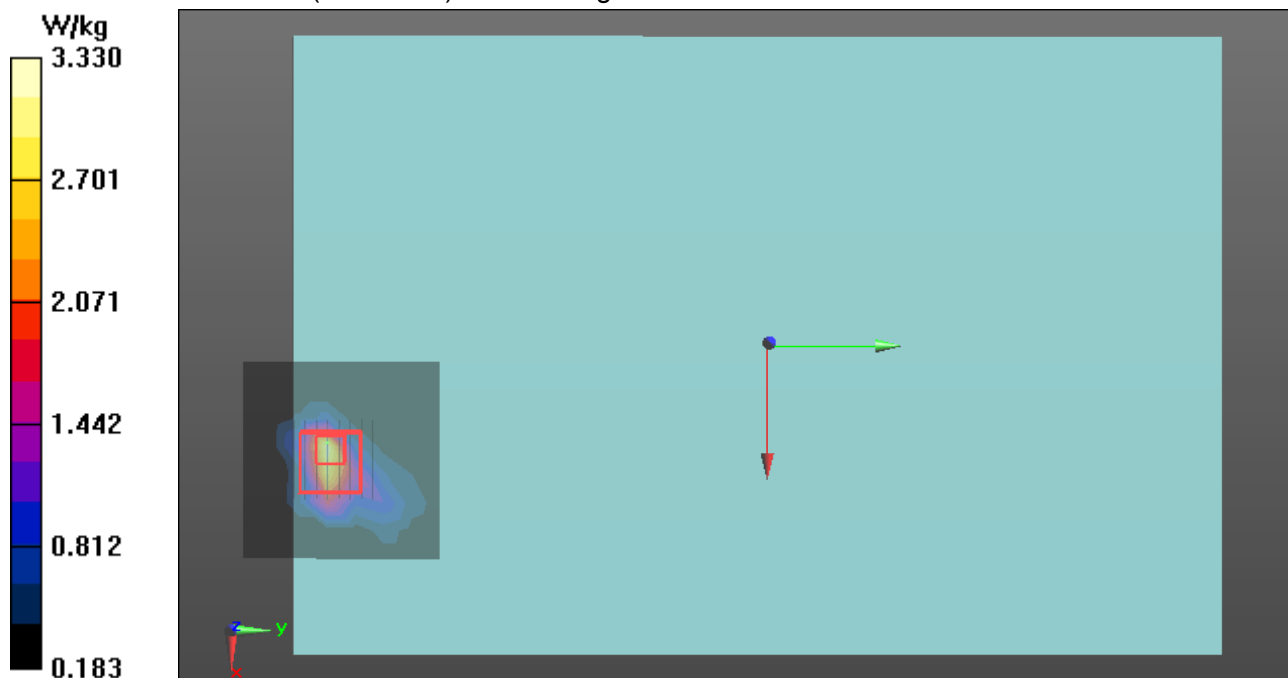
WIFI Chain1/IEEE802.11a Body Rear CH116/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.397 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 6.95 W/kg

SAR(1 g) = 1.40 W/kg; SAR(10 g) = 0.587 W/kg

Maximum value of SAR (measured) = 3.33 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain1 Rear CH136**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 5.911$ S/m; $\epsilon_r = 47.234$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH136/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.27 W/kg

WIFI Chain1/IEEE802.11a Body Rear CH136/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

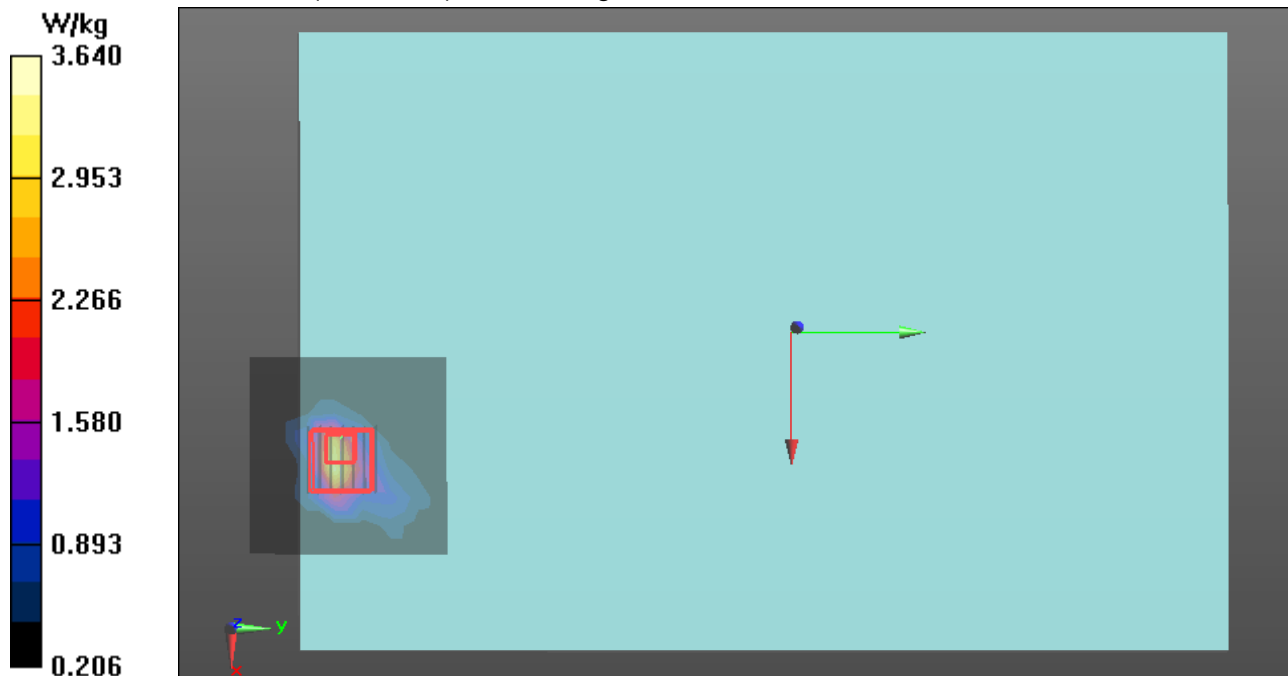
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.341 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 7.38 W/kg

SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.641 W/kg

Maximum value of SAR (measured) = 3.64 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain1 Rear VHT80 CH138**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 5G VHT80; Communication System Band: VHT80; Frequency: 5690 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.919$ S/m; $\epsilon_r = 47.085$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11ac VHT80 Body Rear CH138/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.22 W/kg

WIFI Chain1/IEEE802.11ac VHT80 Body Rear CH138/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

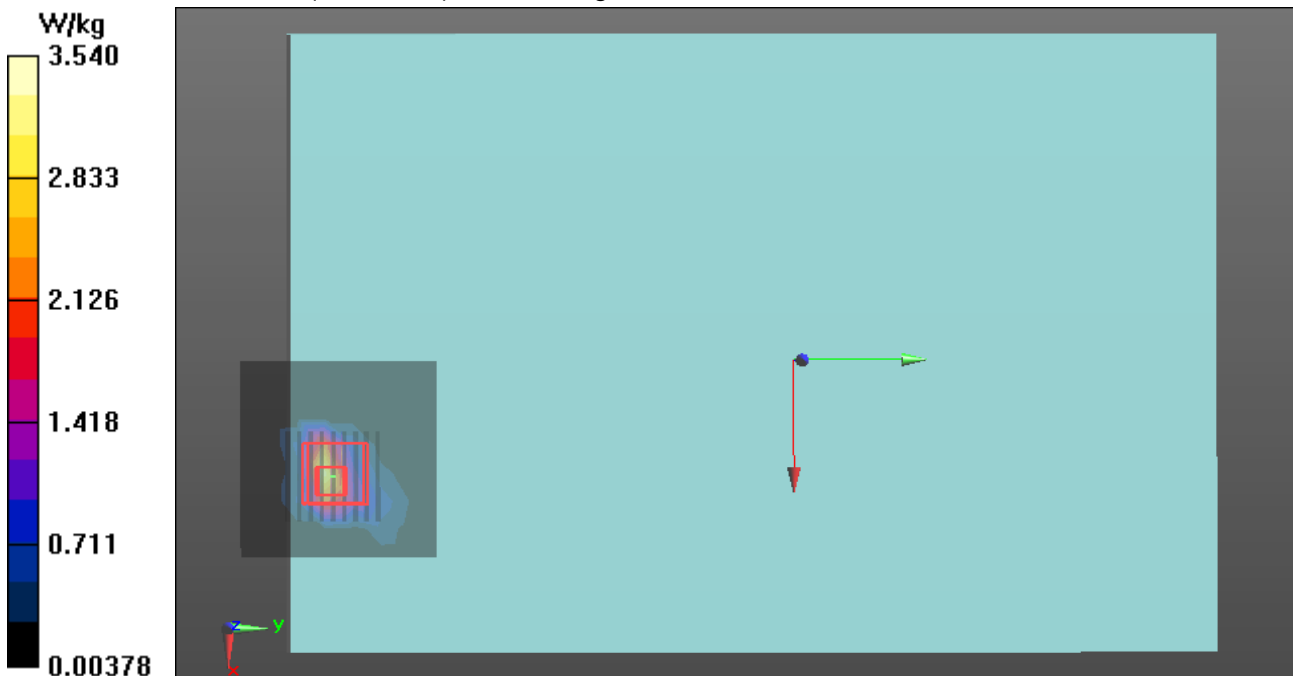
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.067 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 8.20 W/kg

SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.427 W/kg

Maximum value of SAR (measured) = 3.54 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI a-Body Chain1 edge2 CH136**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 5.911$ S/m; $\epsilon_r = 47.234$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11a Body Edge 2 CH136/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.55 W/kg

WIFI Chain 1/IEEE802.11a Body Edge 2 CH136/Zoom Scan (7x7x7)/Cube 1: Measurement grid:

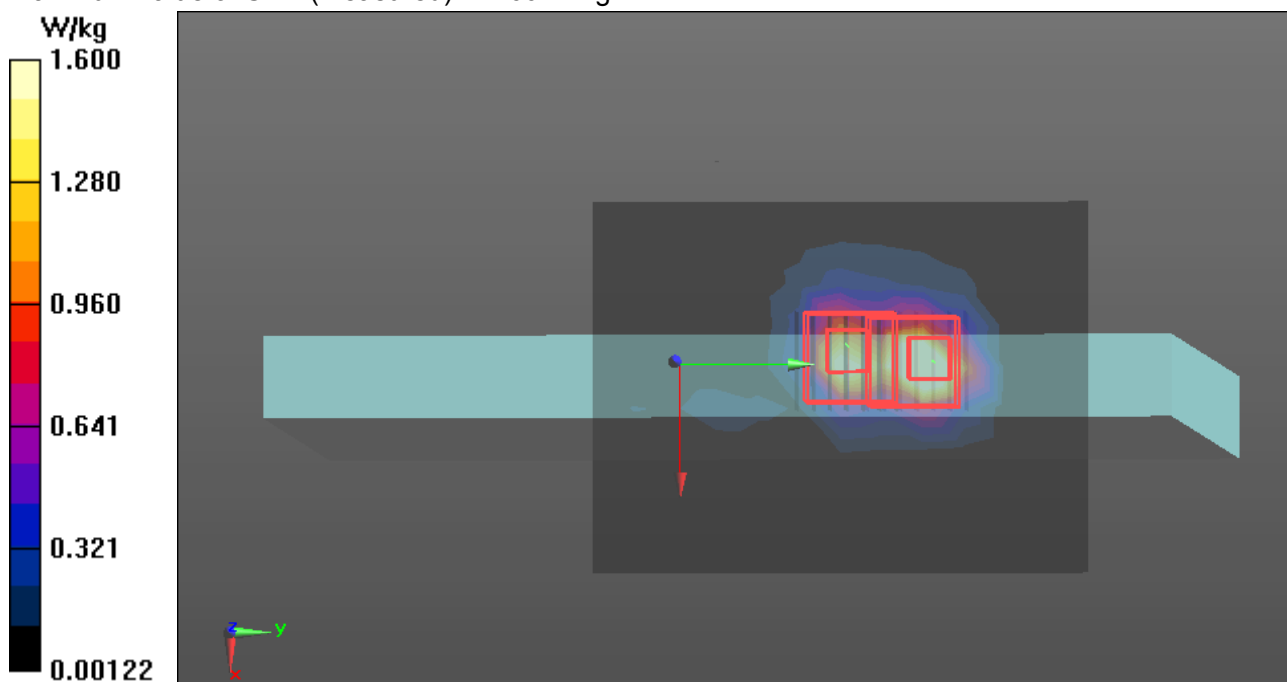
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.026 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.12 W/kg

SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 1.60 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Bottom Chain1 Rear CH136**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 5.911$ S/m; $\epsilon_r = 47.234$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Bottom CH136/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.26 W/kg

WIFI Chain1/IEEE802.11a Body Bottom CH136/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

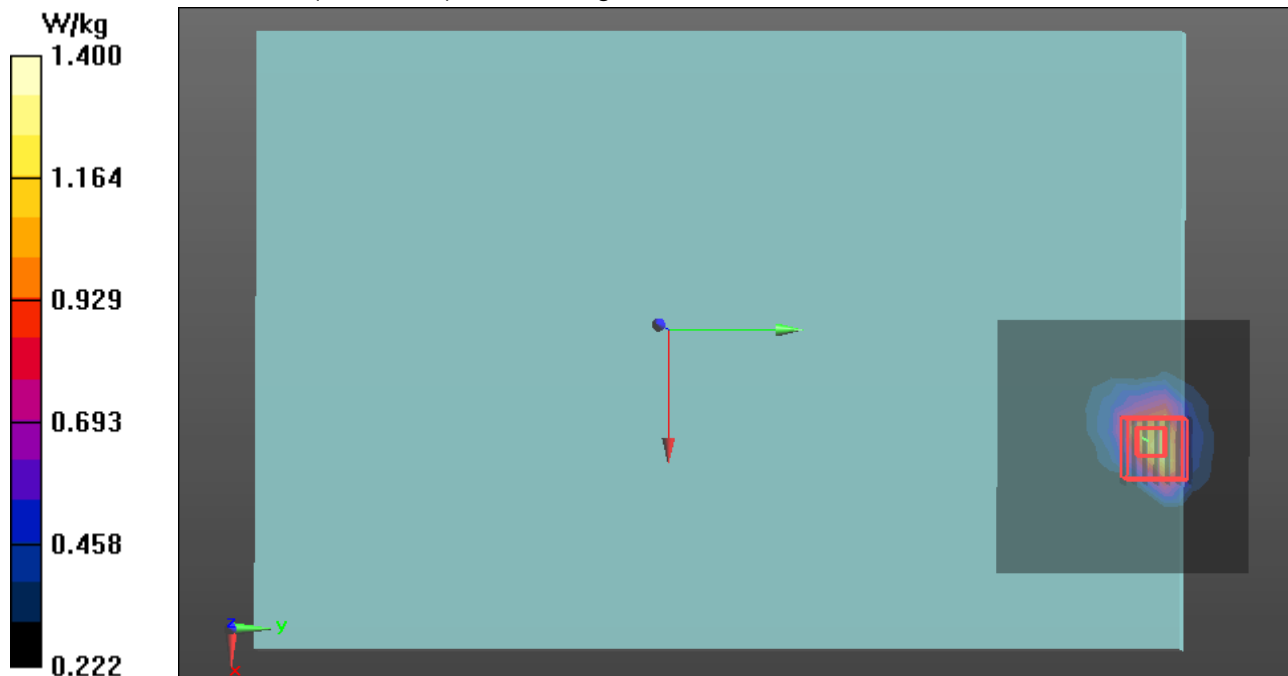
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.408 W/kg

Maximum value of SAR (measured) = 1.40 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain1 Rear CH149**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.225$ S/m; $\epsilon_r = 47.061$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH149/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.91 W/kg

WIFI Chain1/IEEE802.11a Body Rear CH149/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

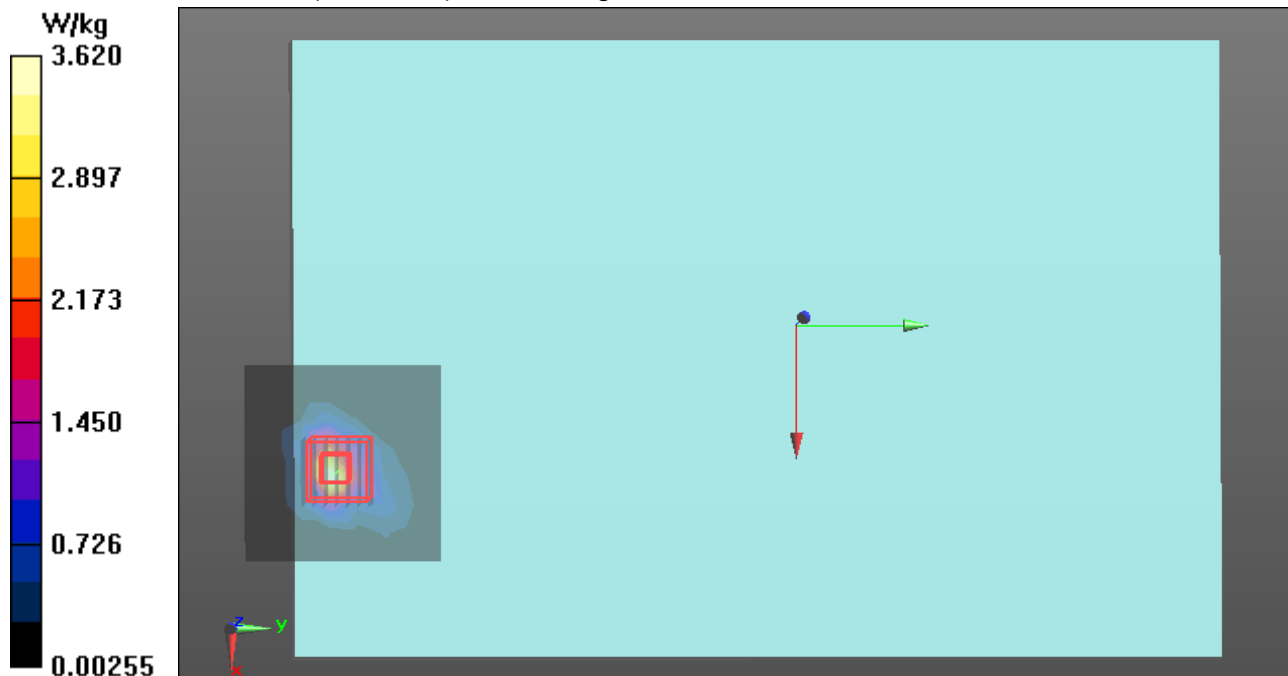
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 7.61 W/kg

SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.439 W/kg

Maximum value of SAR (measured) = 3.62 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain1 Rear CH157**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 6.146$ S/m; $\epsilon_r = 47.083$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH157/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.29 W/kg

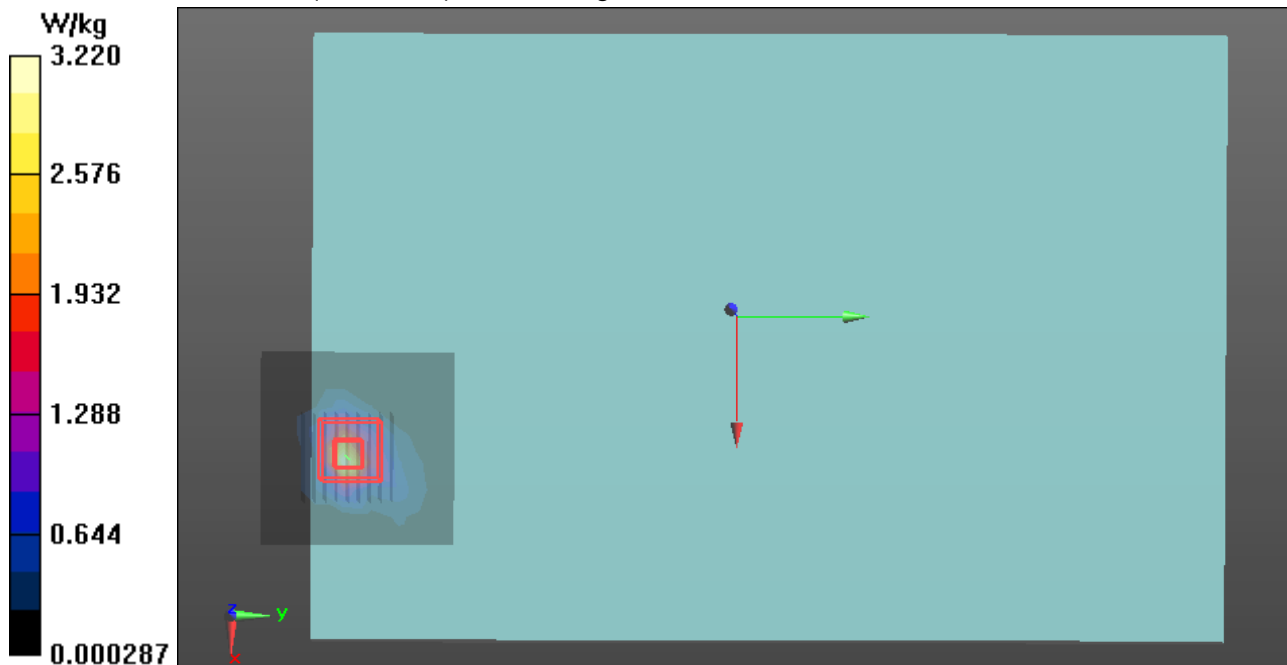
WIFI Chain1/IEEE802.11a Body Rear CH157/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 1.38 W/kg; SAR(10 g) = 0.494 W/kg

Maximum value of SAR (measured) = 3.22 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain1 Rear CH165**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 6.164$ S/m; $\epsilon_r = 46.53$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH165/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.49 W/kg

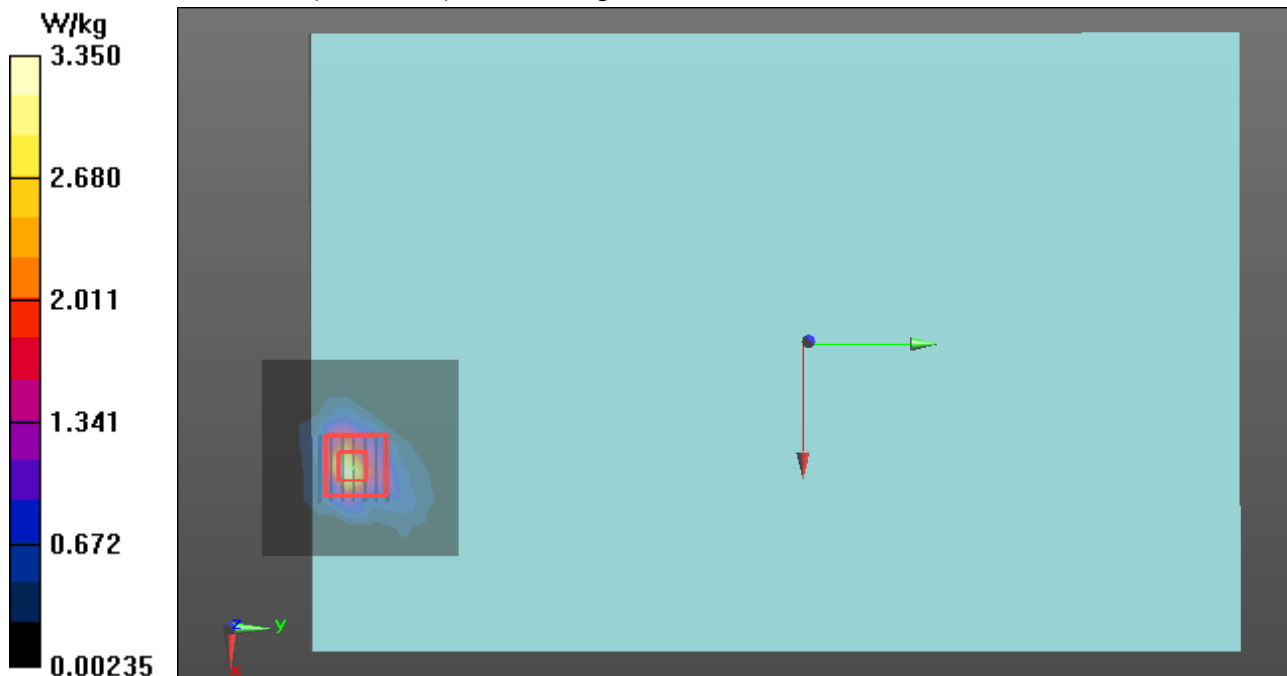
WIFI Chain1/IEEE802.11a Body Rear CH165/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.694 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 7.30 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.406 W/kg

Maximum value of SAR (measured) = 3.35 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain1 Rear VHT80 CH155**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 5G VHT80; Communication System Band: VHT80; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 47.164$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear VHT80 CH155/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.30 W/kg

WIFI Chain1/IEEE802.11a Body Rear VHT80 CH155/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

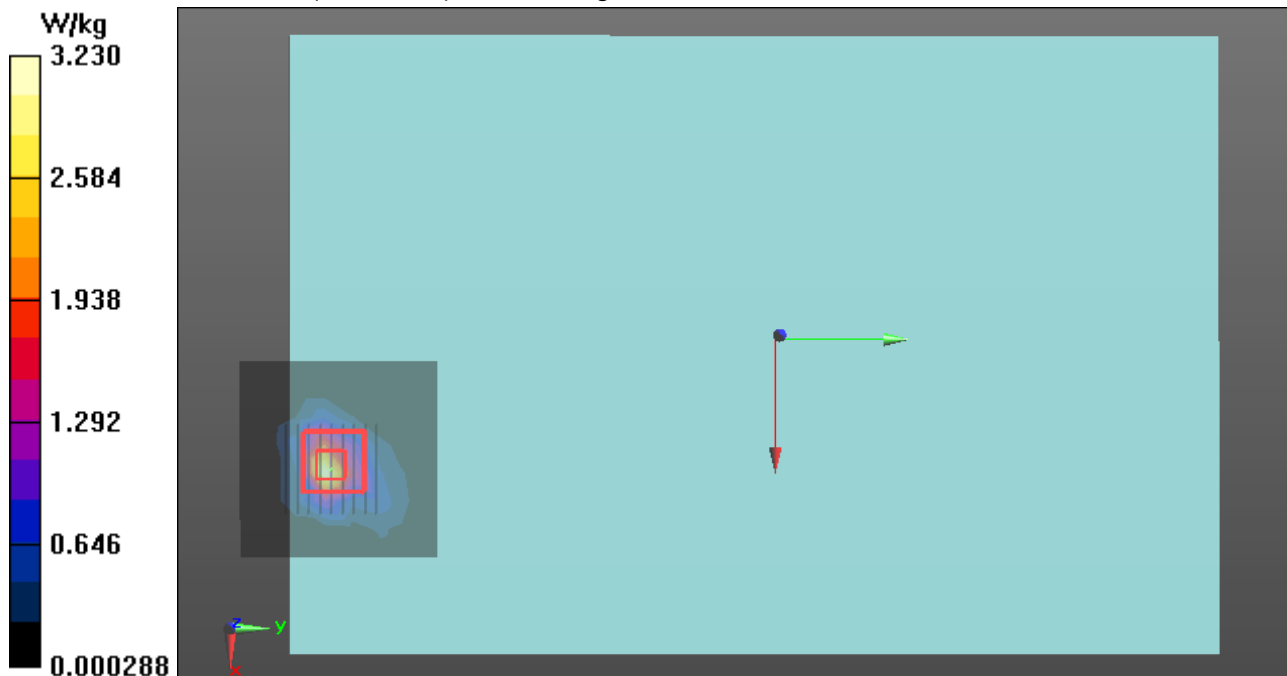
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.395 W/kg

Maximum value of SAR (measured) = 3.23 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI a-Body Chain1 Edge2 CH149**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.225$ S/m; $\epsilon_r = 47.061$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11a Body Edge 2 CH149/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.17 W/kg

WIFI Chain 1/IEEE802.11a Body Edge 2 CH149/Zoom Scan (7x7x7)/Cube 1: Measurement grid:

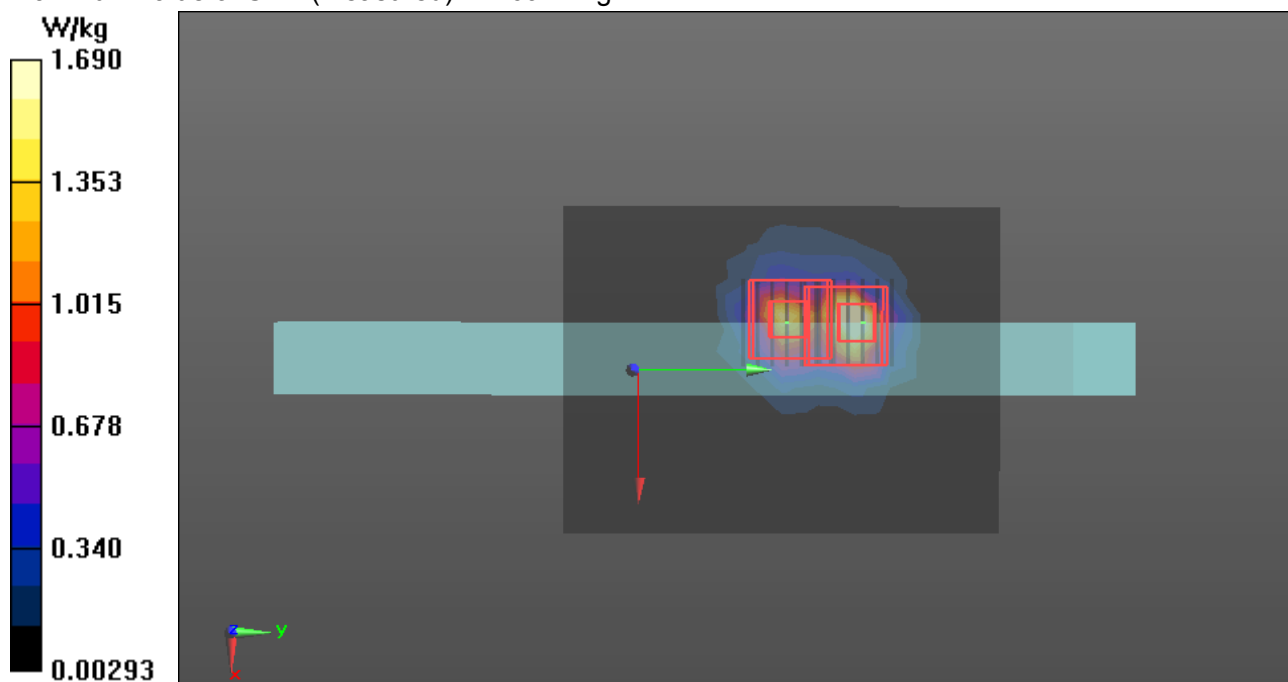
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.707 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.09 W/kg

SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 1.69 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Bottom Chain1 CH149**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.225$ S/m; $\epsilon_r = 47.061$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Bottom CH149/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.17 W/kg

WIFI Chain1/IEEE802.11a Body Bottom CH149/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

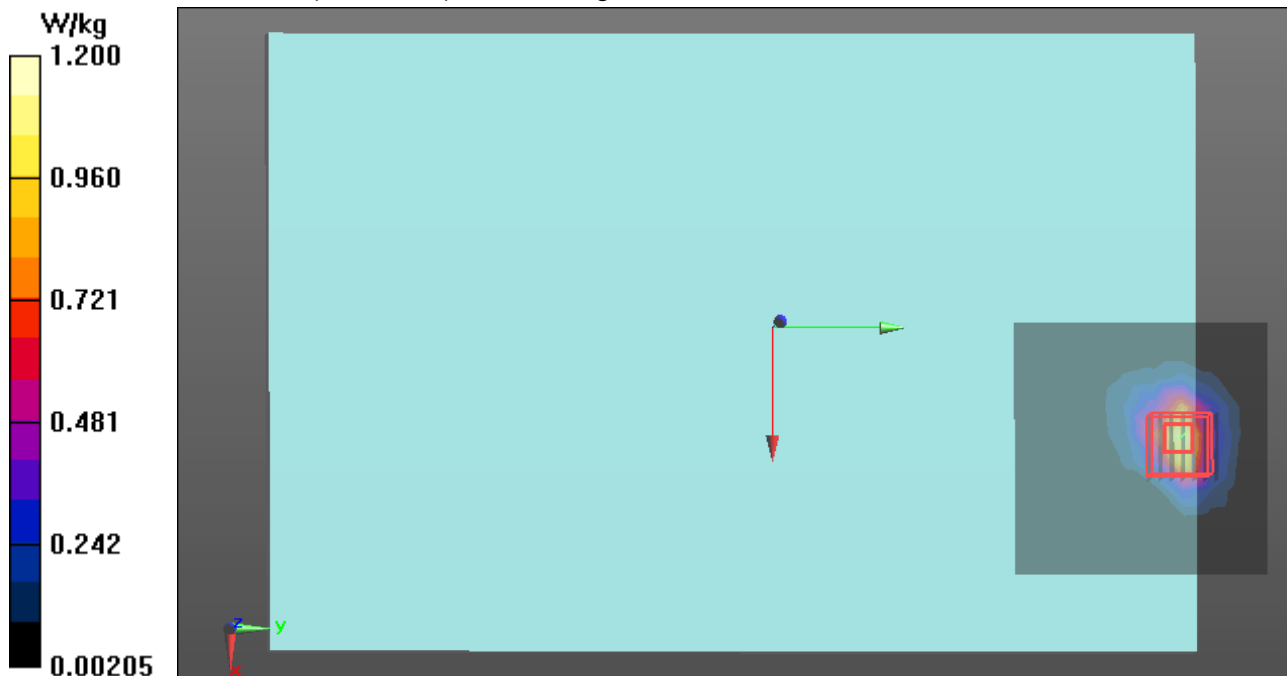
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 1.20 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain0 Rear CH1 Repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 51.139$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11b Body Rear CH1 Repeat/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.74 W/kg

WIFI Chain0/IEEE802.11b Body Rear CH1 Repeat/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

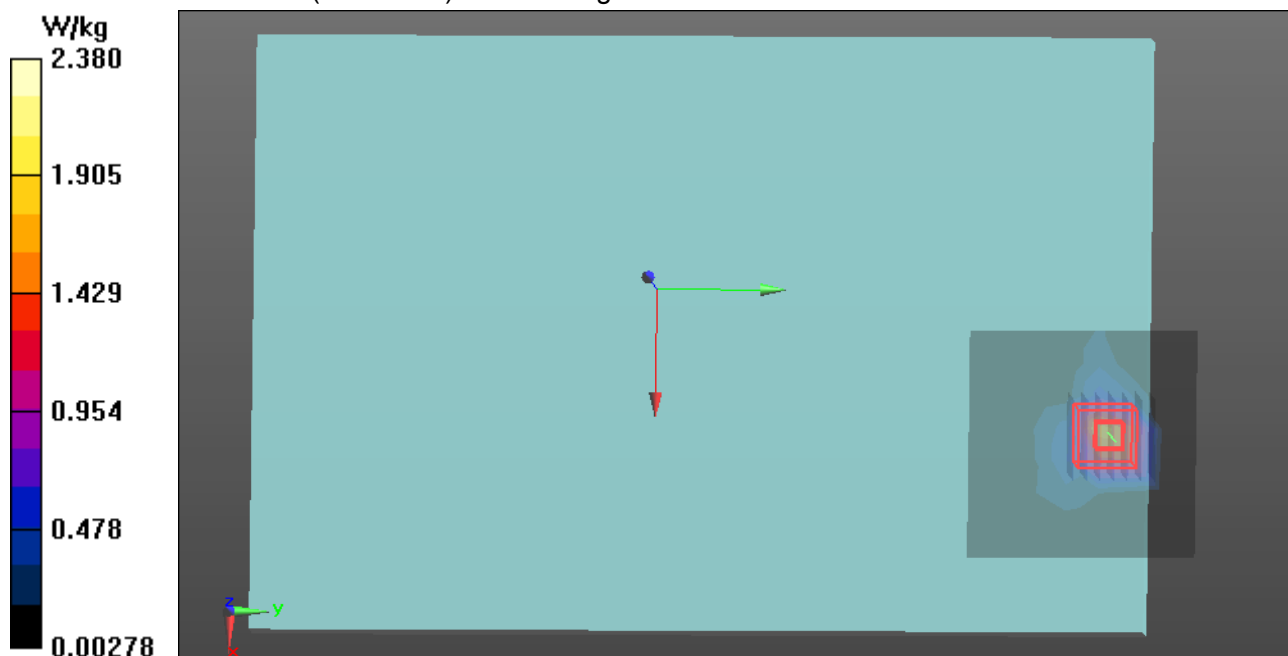
dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.58 W/kg

SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.540 W/kg

Maximum value of SAR (measured) = 2.38 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Chain0 Rear CH48 repeat 1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.456$ S/m; $\epsilon_r = 47.184$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH48 repeat 1/Area Scan (10x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.50 W/kg

WIFI Chain0/IEEE802.11a Body Rear CH48 repeat 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

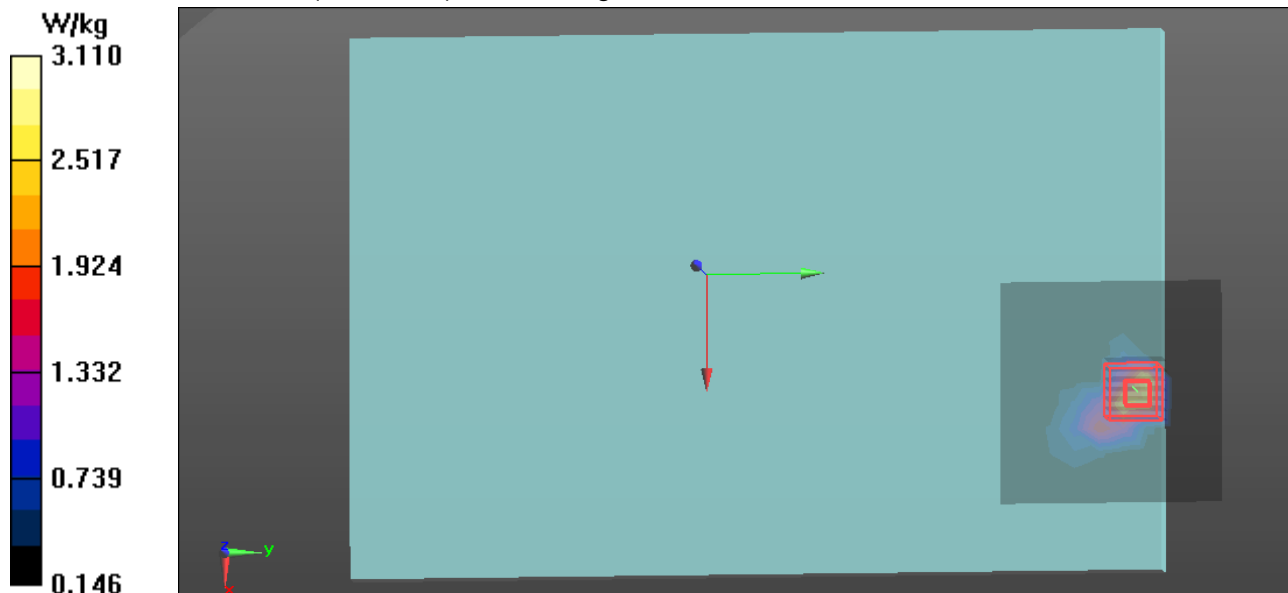
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.593 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 7.01 W/kg

SAR(1 g) = 1.40 W/kg; SAR(10 g) = 0.538 W/kg

Maximum value of SAR (measured) = 3.11 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Chain0 Rear CH52 Repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.488$ S/m; $\epsilon_r = 47.367$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH52 Repeat1/Area Scan (10x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.77 W/kg

WIFI Chain0/IEEE802.11a Body Rear CH52 Repeat1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

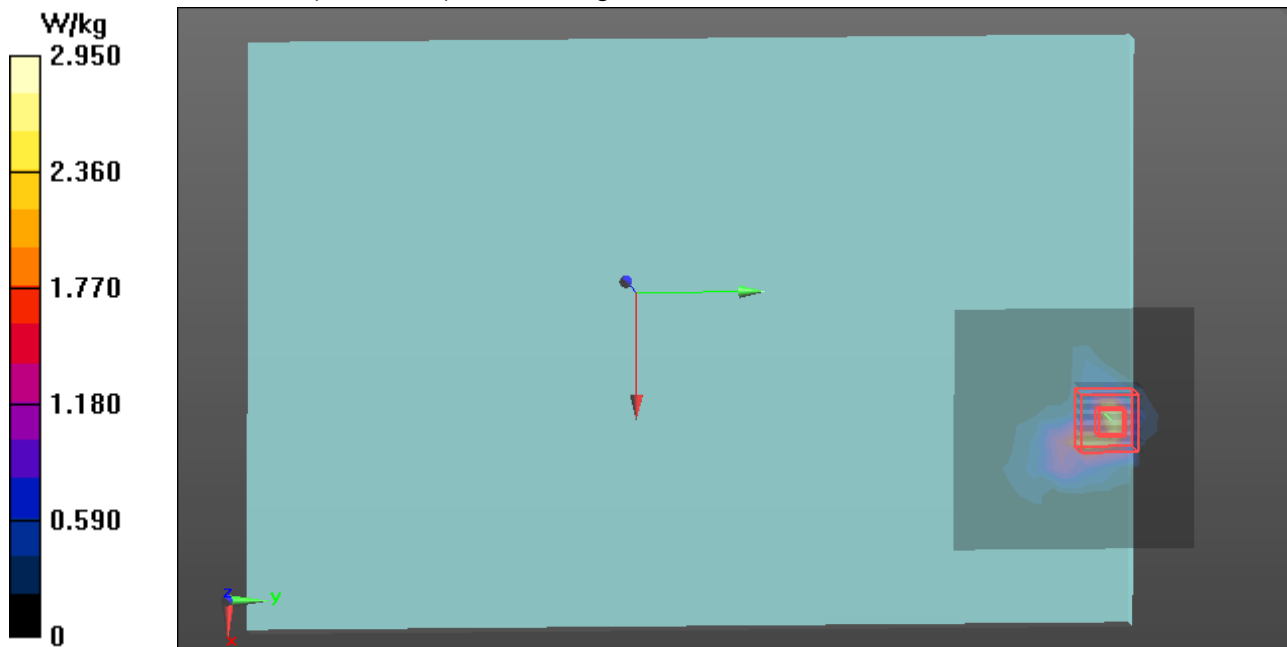
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.18 W/kg

SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.430 W/kg

Maximum value of SAR (measured) = 2.95 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain0 CH116 Rear repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.774$ S/m; $\epsilon_r = 47.282$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH116 repeat1/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.21 W/kg

WIFI Chain0/IEEE802.11a Body Rear CH116 repeat1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

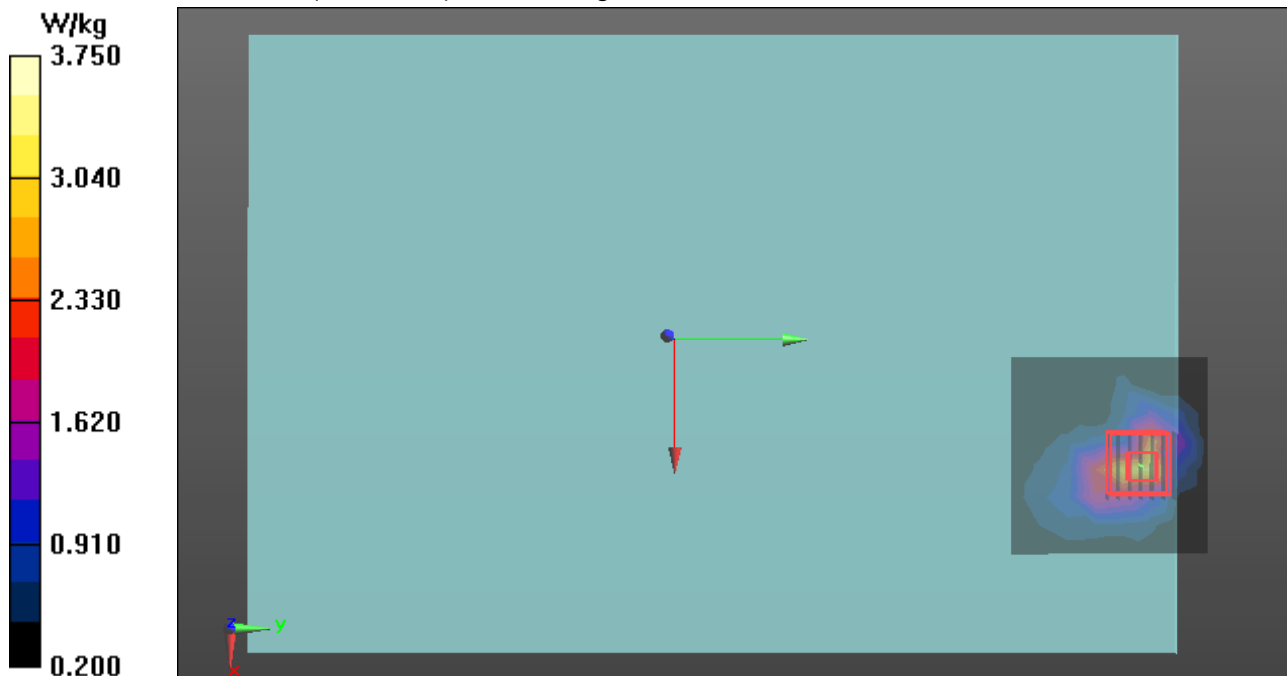
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.154 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 7.75 W/kg

SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.579 W/kg

Maximum value of SAR (measured) = 3.75 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain0 Rear CH149 repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5745 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.225$ S/m; $\epsilon_r = 47.061$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain0/IEEE802.11a Body Rear CH149 repeat1/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.91 W/kg

WIFI Chain0/IEEE802.11a Body Rear CH149 repeat1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

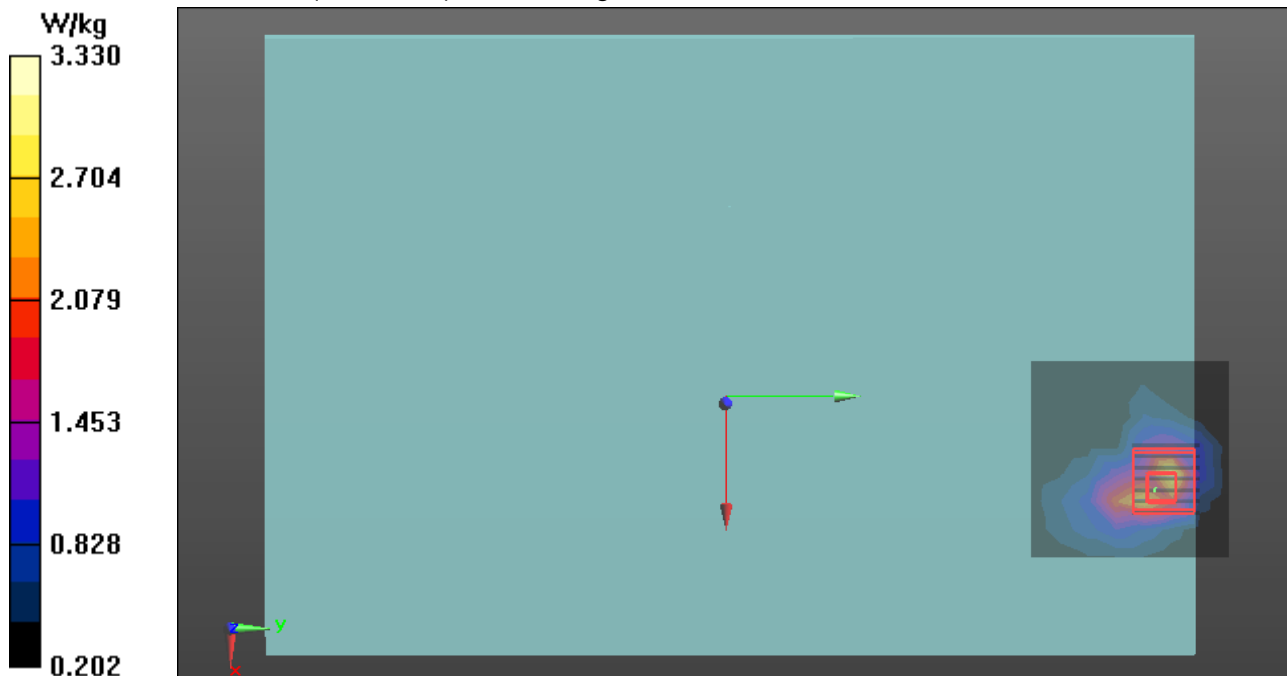
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.430 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.06 W/kg

SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.615 W/kg

Maximum value of SAR (measured) = 3.33 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/22/2014

WIFI b-Body Chain1 CH1 Repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 51.139$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain 1/IEEE802.11b Body Rear CH1 Repeat1/Area Scan (8x8x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.10 W/kg

WIFI Chain 1/IEEE802.11b Body Rear CH1 Repeat1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

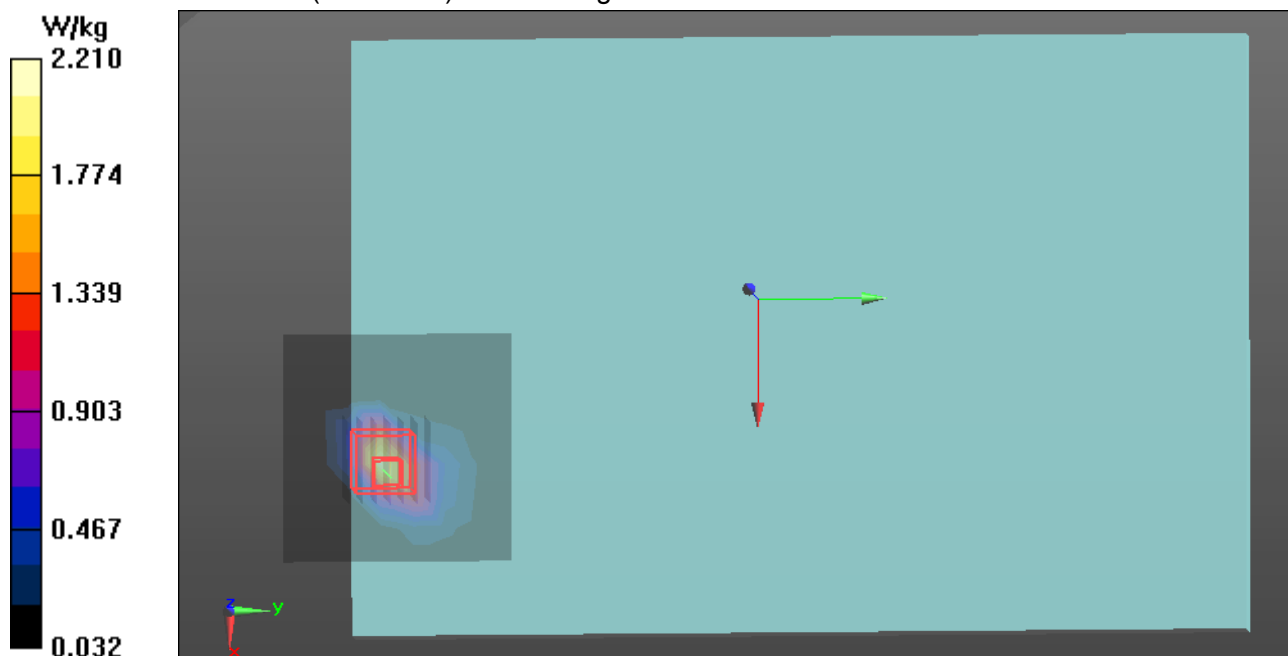
dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.259 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 1.38 W/kg; SAR(10 g) = 0.586 W/kg

Maximum value of SAR (measured) = 2.21 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/29/2014

WIFI 802.11a-Body Chain1 Rear CH36 repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band I; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 5.294$ S/m; $\epsilon_r = 47.766$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.38, 4.38, 4.38); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH36 repeat1/Area Scan (10x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.62 W/kg

WIFI Chain1/IEEE802.11a Body Rear CH36 repeat1/Zoom Scan (8x8x7)/Cube 0: Measurement grid:

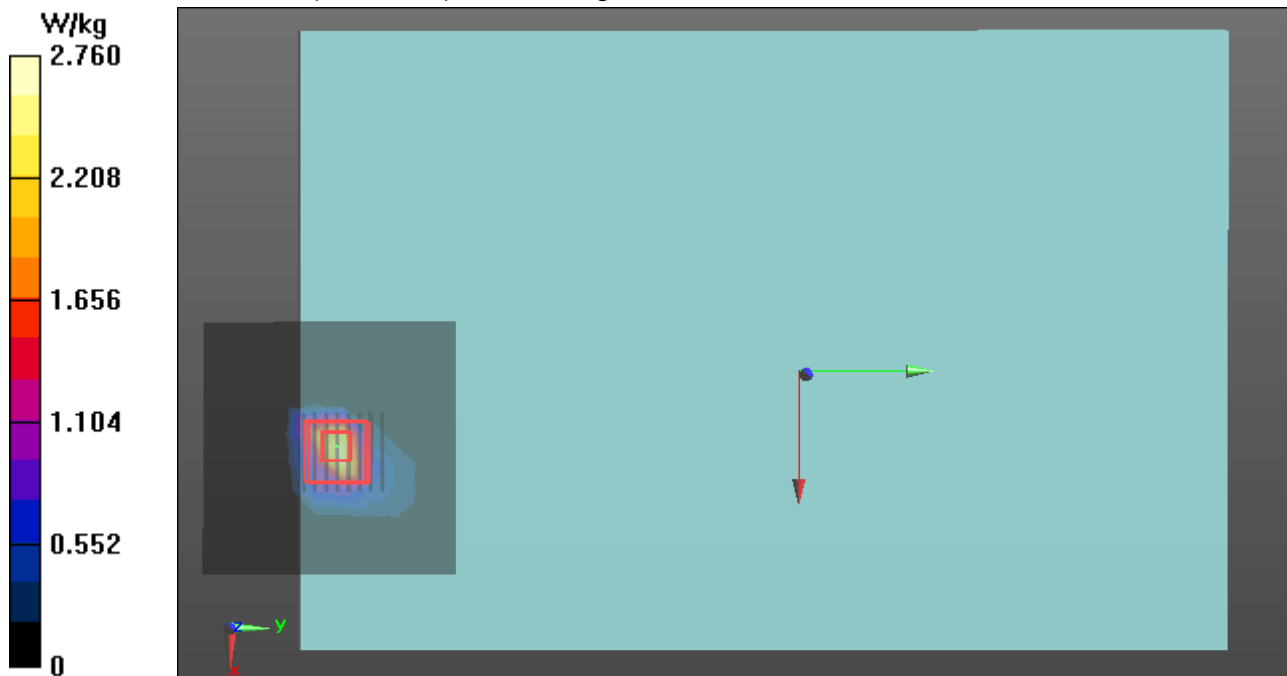
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.60 W/kg

SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.399 W/kg

Maximum value of SAR (measured) = 2.76 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 4/30/2014

WIFI 802.11a-Body Chain1 Rear CH52 repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band II; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.488$ S/m; $\epsilon_r = 47.367$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.22, 4.22, 4.22); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH52 repeat1/Area Scan (7x7x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.07 W/kg

WIFI Chain1/IEEE802.11a Body Rear CH52 repeat1/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

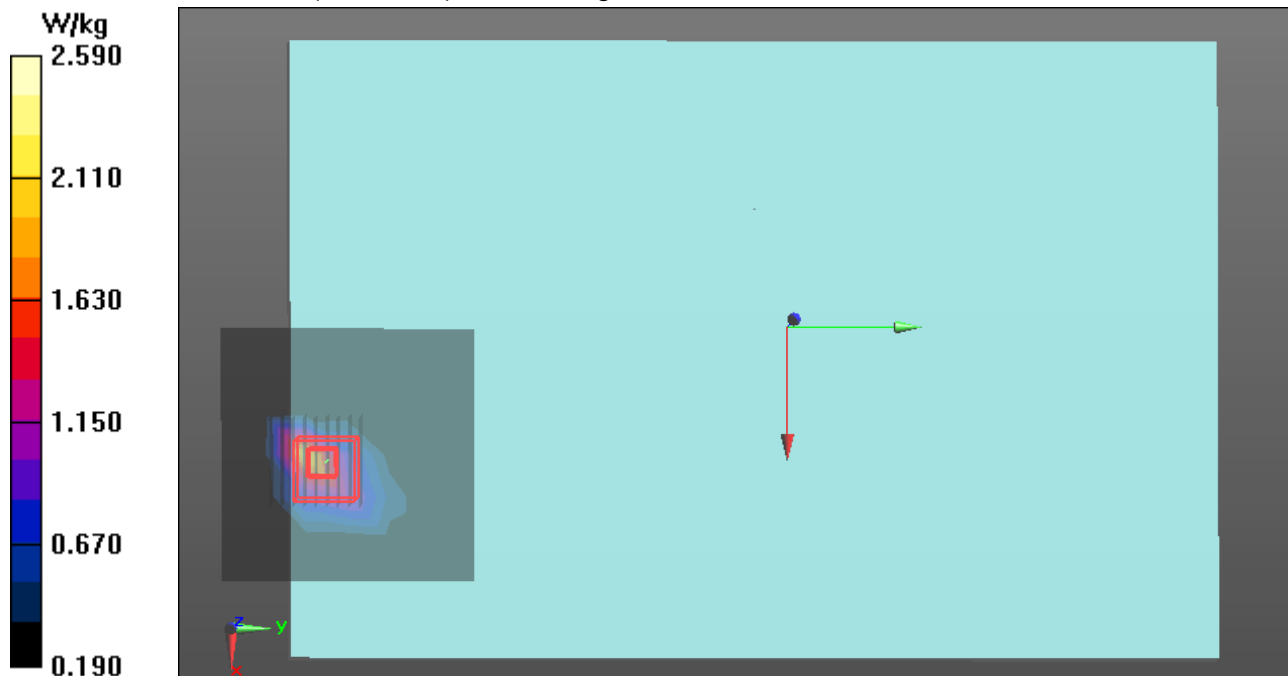
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.385 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 5.34 W/kg

SAR(1 g) = 1.4 W/kg; SAR(10 g) = 0.555 W/kg

Maximum value of SAR (measured) = 2.59 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/2/2014

WIFI 802.11a-Body Chain1 Rear CH136 repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band III; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 5.911$ S/m; $\epsilon_r = 47.234$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(3.92, 3.92, 3.92); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH136 repeat1/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.08 W/kg

WIFI Chain1/IEEE802.11a Body Rear CH136 repeat1/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

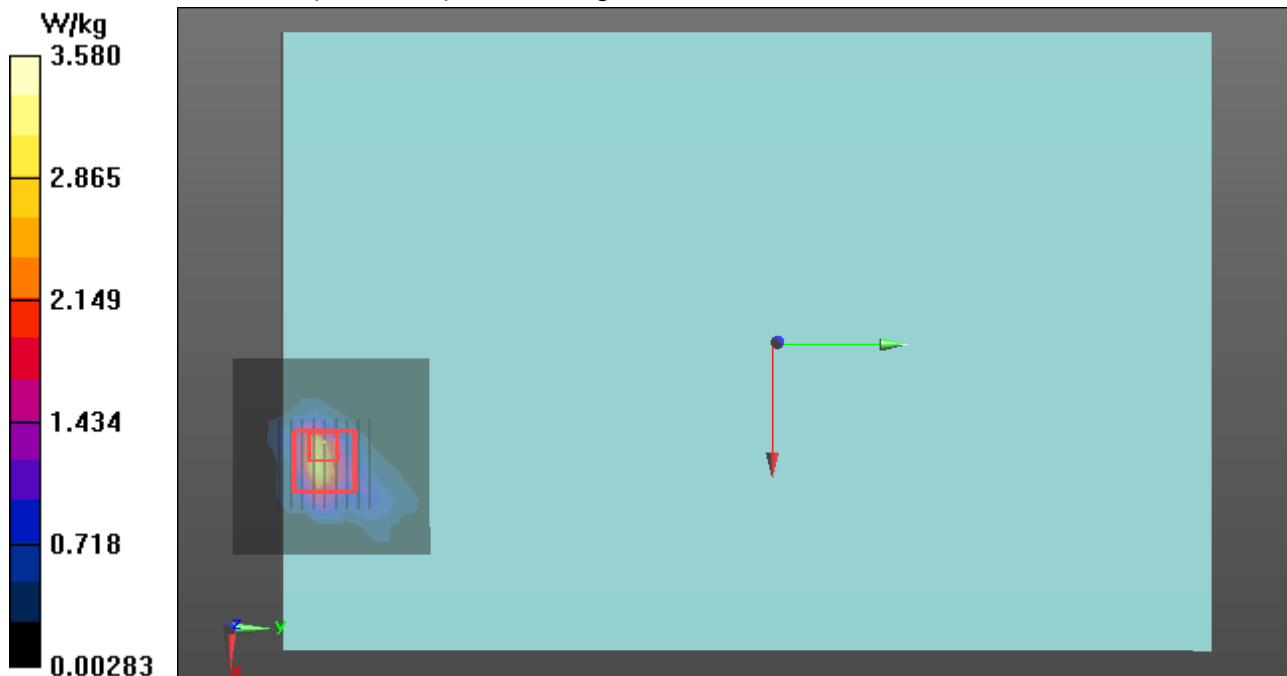
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.74 W/kg

SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.426 W/kg

Maximum value of SAR (measured) = 3.58 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/3/2014

WIFI 802.11a-Body Chain1 Rear CH149 repeat1**DUT: Computer; Type: KONA; Serial: N/A**

Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5745 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.225$ S/m; $\epsilon_r = 47.061$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI Chain1/IEEE802.11a Body Rear CH149 repeat1/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.68 W/kg

WIFI Chain1/IEEE802.11a Body Rear CH149 repeat1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 7.86 W/kg

SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.431 W/kg

Maximum value of SAR (measured) = 3.62 W/kg

