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Test Laboratory: Compliance Certification Services Inc.

Date: 6/6/2015

WiFi 802.11b-Body Horizontal Up Chain 0 Middle CH6

DUT: Wireless LAN Adapter; Type: CBK-WA02

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
 Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.945 \text{ S/m}$; $\epsilon_r = 51.672$; $\rho = 1000 \text{ kg/m}^3$

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(6.82, 6.82, 6.82); Calibrated: 7/28/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Up Chain 0 Middle CH6/Area Scan (7x12x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.596 W/kg

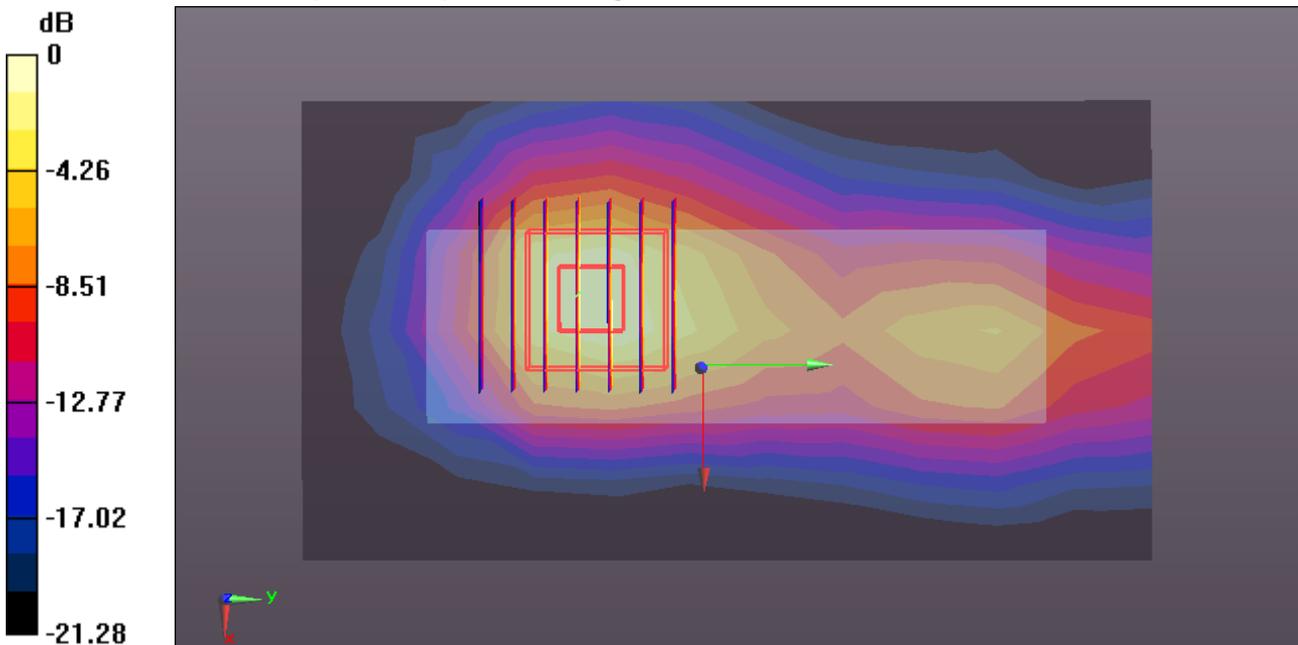
WiFi/Up Chain 0 Middle CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.34 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 0.815 W/kg



0 dB = 0.815 W/kg = -0.89 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/6/2015

WiFi 802.11b-Body Horizontal Down Chain 0 Middle CH6

DUT: Wireless LAN Adapter; Type: CBK-WA02

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
 Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.945 \text{ S/m}$; $\epsilon_r = 51.672$; $\rho = 1000 \text{ kg/m}^3$

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(6.82, 6.82, 6.82); Calibrated: 7/28/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Down Chain 0 Middle CH6/Area Scan (7x12x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.763 W/kg

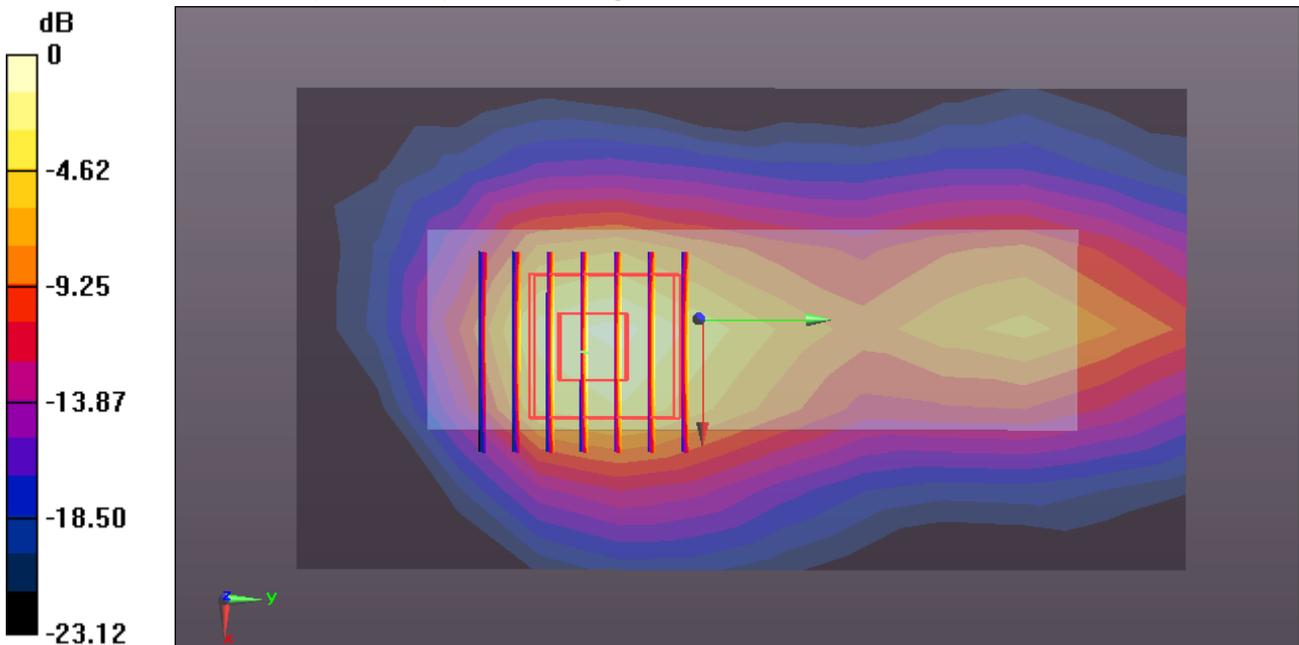
WiFi/Down Chain 0 Middle CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.67 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.278 W/kg

Maximum value of SAR (measured) = 0.935 W/kg



0 dB = 0.935 W/kg = -0.29 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/6/2015

WiFi 802.11b-Body Horizontal Up Chain 1 High CH11**DUT: Wireless LAN Adapter; Type: CBK-WA02**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
Frequency: 2462 MHz; Duty Cycle: 1:1Medium parameters used: $f = 2462$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 51.601$; $\rho = 1000$ 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(6.82, 6.82, 6.82); Calibrated: 7/28/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

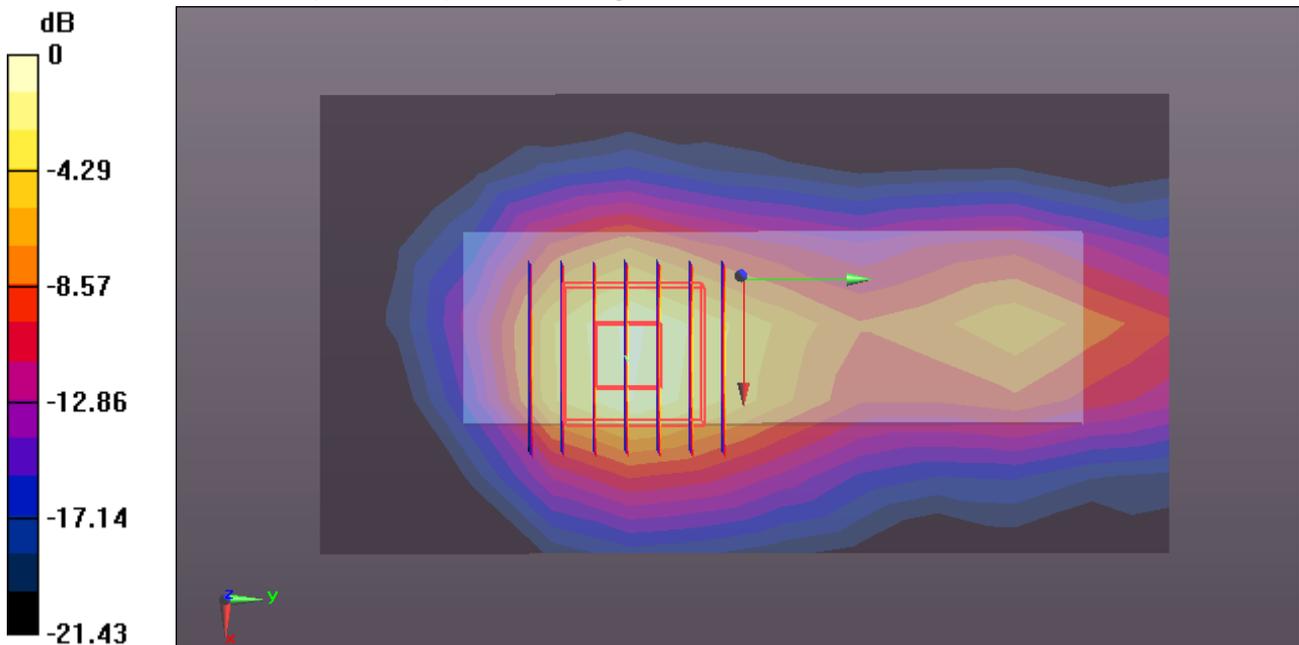
WiFi/Up Chain 1 High CH11/Area Scan (7x12x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.629 W/kg**WiFi/Up Chain 1 High CH11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,
dz=5mm

Reference Value = 10.42 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.778 W/kg



0 dB = 0.778 W/kg = -1.09 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/6/2015

WiFi 802.11b-Body Horizontal Down Chain 1 High CH11

DUT: Wireless LAN Adapter; Type: CBK-WA02

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
 Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.953 \text{ S/m}$; $\epsilon_r = 51.601$; $\rho = 1000 \text{ kg/m}^3$

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(6.82, 6.82, 6.82); Calibrated: 7/28/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Down Chain 1 High CH11/Area Scan (7x12x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.614 W/kg

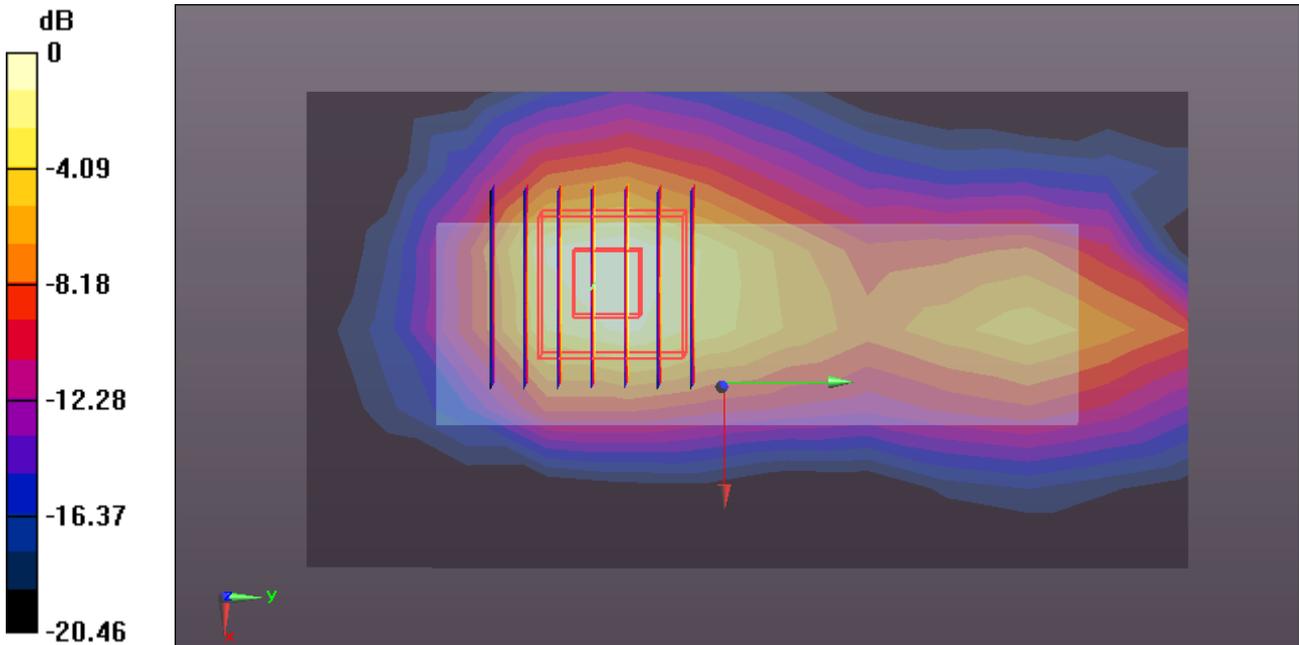
WiFi/Down Chain 1 High CH11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.37 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.604 W/kg



0 dB = 0.604 W/kg = -2.19 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/18/2015

WiFi 802.112.4GHz n20-Body Horizontal Chain 0+1 Up High CH11

DUT: USB DUAL BAND DONGLE; Type: WNA699U5C2.EU78-EF-DB; Serial: N/A

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
 Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.023 \text{ S/m}$; $\epsilon_r = 50.372$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3661; ConvF(7.31, 7.31, 7.31); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Chain 0+1 Up High CH11/Area Scan (7x12x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.687 W/kg

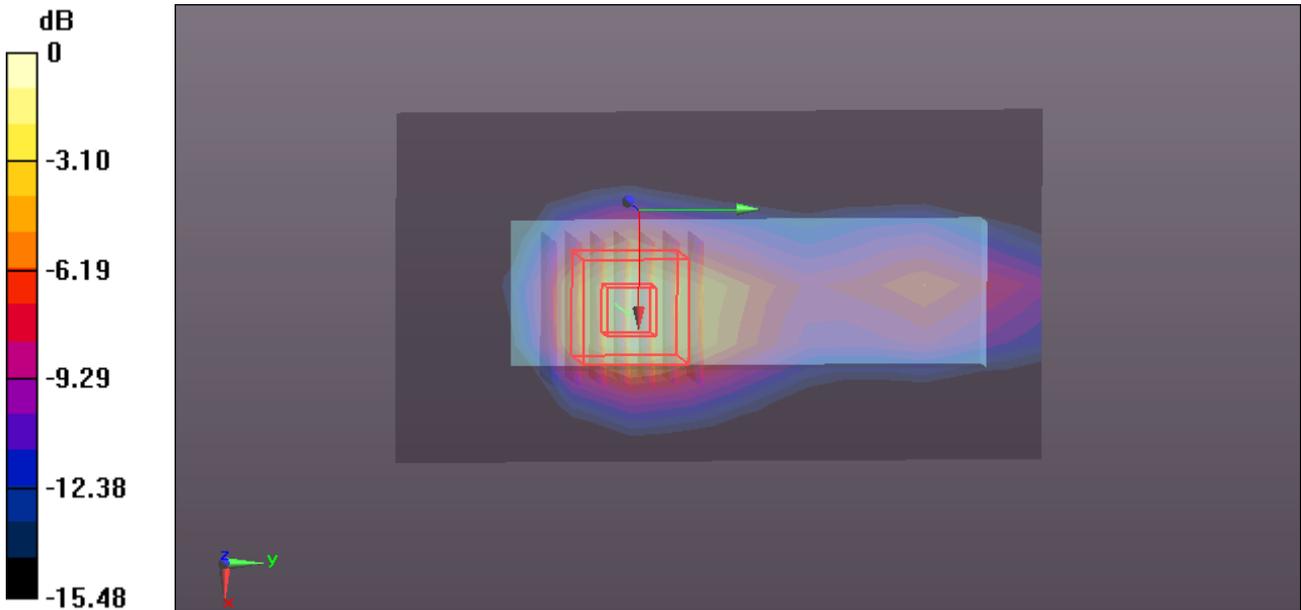
WiFi/Chain 0+1 Up High CH11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.93 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.257 W/kg

Maximum value of SAR (measured) = 0.850 W/kg



0 dB = 0.850 W/kg = -0.71 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/18/2015

WiFi 802.112.4GHz n20 -Body Horizontal Chain 0+1 Down High CH11

DUT: USB DUAL BAND DONGLE; Type: WNA699U5C2.EU78-EF-DB; Serial: N/A

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
 Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.023 \text{ S/m}$; $\epsilon_r = 50.372$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3661; ConvF(7.31, 7.31, 7.31); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Chain 0+1 Down High CH11/Area Scan (7x12x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.665 W/kg

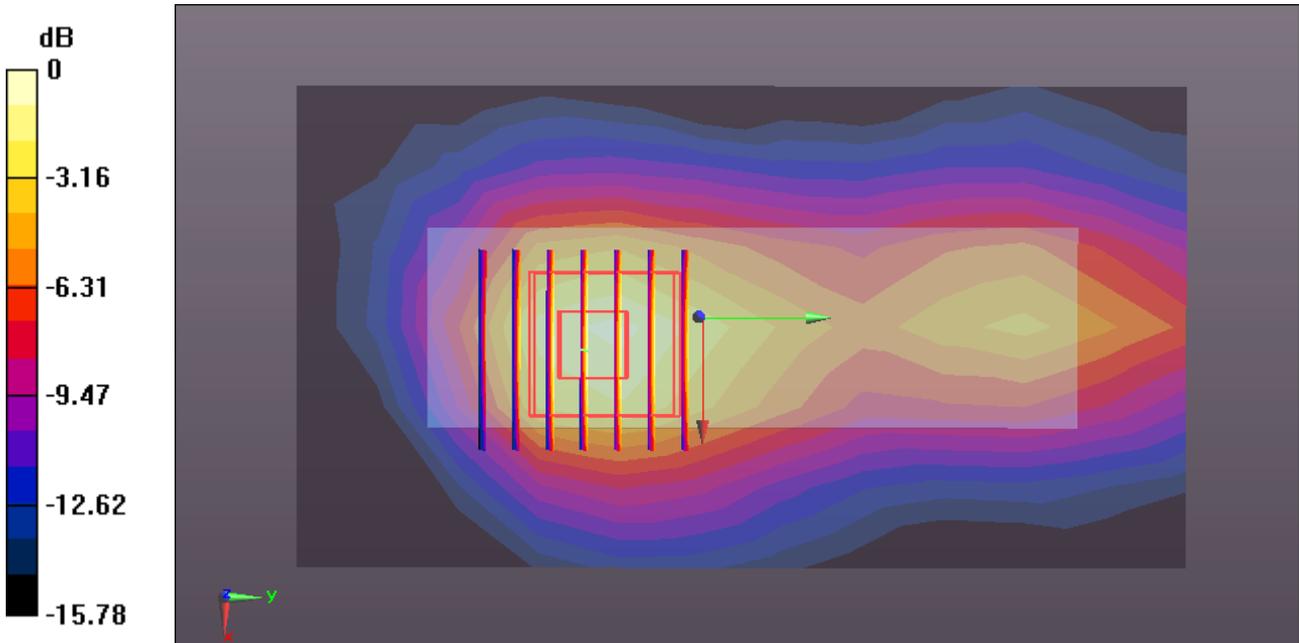
WiFi/Chain 0+1 Up Down CH11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.03 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.734 W/kg



0 dB = 0.734 W/kg = -1.34 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/2/2015

WiFi 802.11a-Body Horizontal Up Chain 0 CH64

DUT: Wireless LAN Adapter; Type: CBK-WA02

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band II; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.378$ S/m; $\epsilon_r = 48.611$; $\rho = 1000$ 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(4.23, 4.23, 4.23); Calibrated: 7/28/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11a/Up Chain 0 CH64/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.737 W/kg

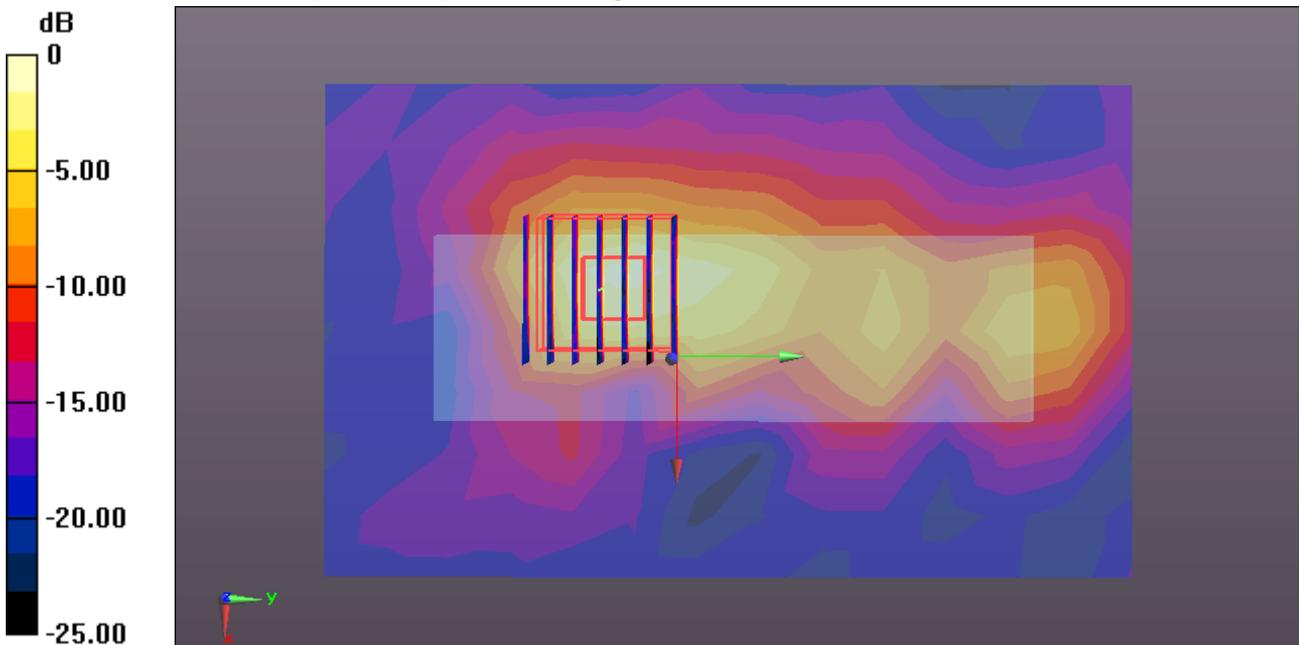
802.11a/Up Chain 0 CH64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.760 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.885 W/kg



0 dB = 0.885 W/kg = -0.53 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/2/2015

WiFi 802.11a-Body Horizontal Up Chain 1 CH64

DUT: USB DUAL BAND DONGLE; Type: WNA699U5C2.EU78-EF-DB; Serial: N/A

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band II; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.378$ S/m; $\epsilon_r = 48.611$; $\rho = 1000$ 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(4.23, 4.23, 4.23); Calibrated: 7/28/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11a/Up Chain 1 CH64/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.721 W/kg

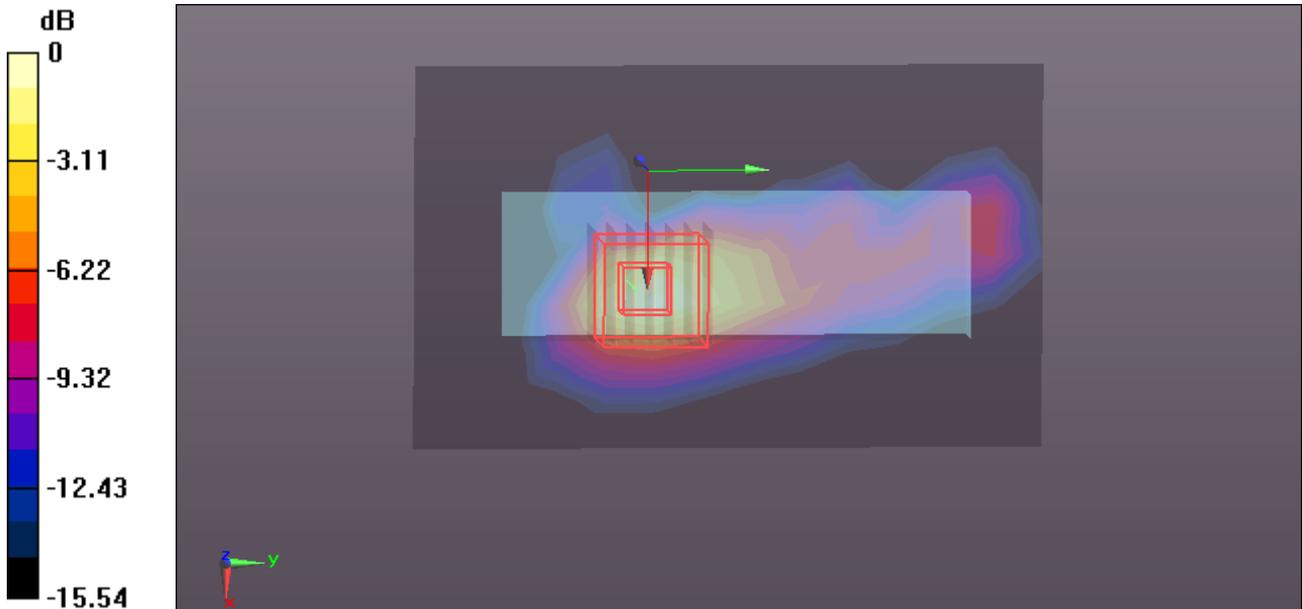
802.11a/Up Chain 1 CH64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.453 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.807 W/kg



0 dB = 0.807 W/kg = -0.93 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/18/2015

WiFi 802.11 5.3G n40 -Body Horizontal Up Chain 0+1 CH54

DUT: USB DUAL BAND DONGLE; Type: WNA699U5C2.EU78-EF-DB; Serial: N/A

Communication System: UID 0, IEEE802.11 n40 5G (0); Communication System Band: 5G Band II;

Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 48.879$; $\rho = 1000$ 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 - SN3661; ConvF(4.64, 4.64, 4.64); Calibrated: 4/24/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS2 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11 n40 /Up Chain 0+1 CH54/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.777 W/kg

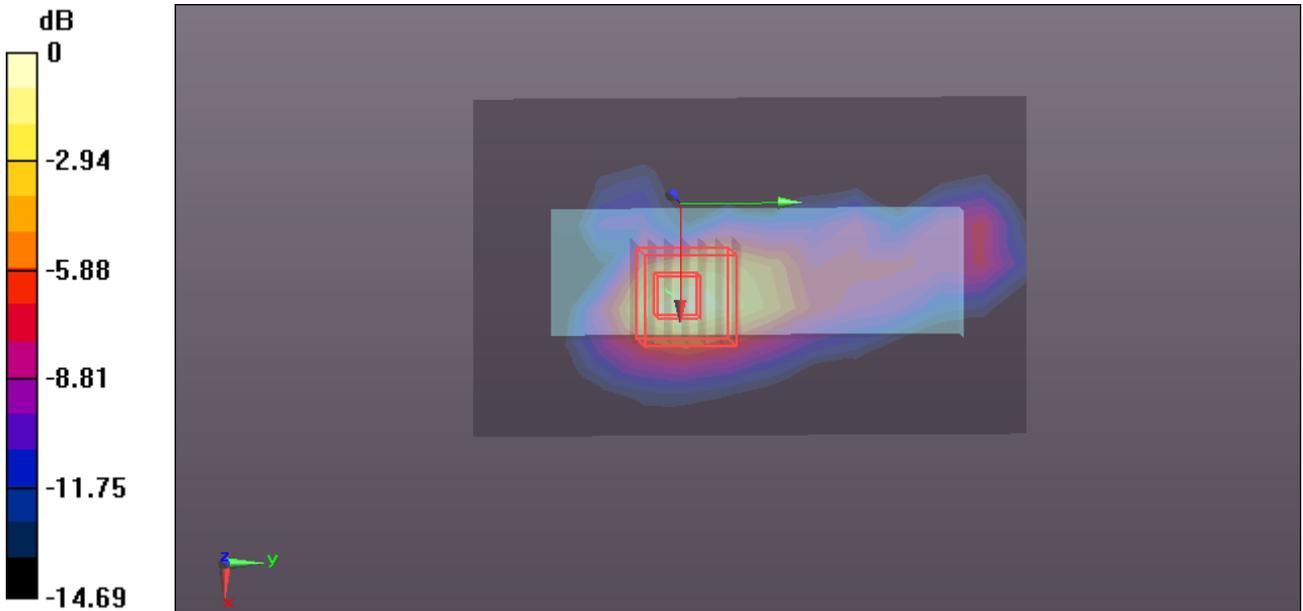
802.11 n40 /Up Chain 0+1 CH54/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.493 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.883 W/kg



0 dB = 0.883 W/kg = -0.54 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/3/2015

WiFi 802.11a-Body Horizontal Up Chain 0 CH140

DUT: Wireless LAN Adapter; Type: CBK-WA02

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band III;

Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700 \text{ MHz}$; $\sigma = 5.916 \text{ S/m}$; $\epsilon_r = 47.738$; $\rho = 1000 \text{ kg/m}^3$

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(3.75, 3.75, 3.75); Calibrated: 7/28/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11a/Up Chain 0 CH140/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.727 W/kg

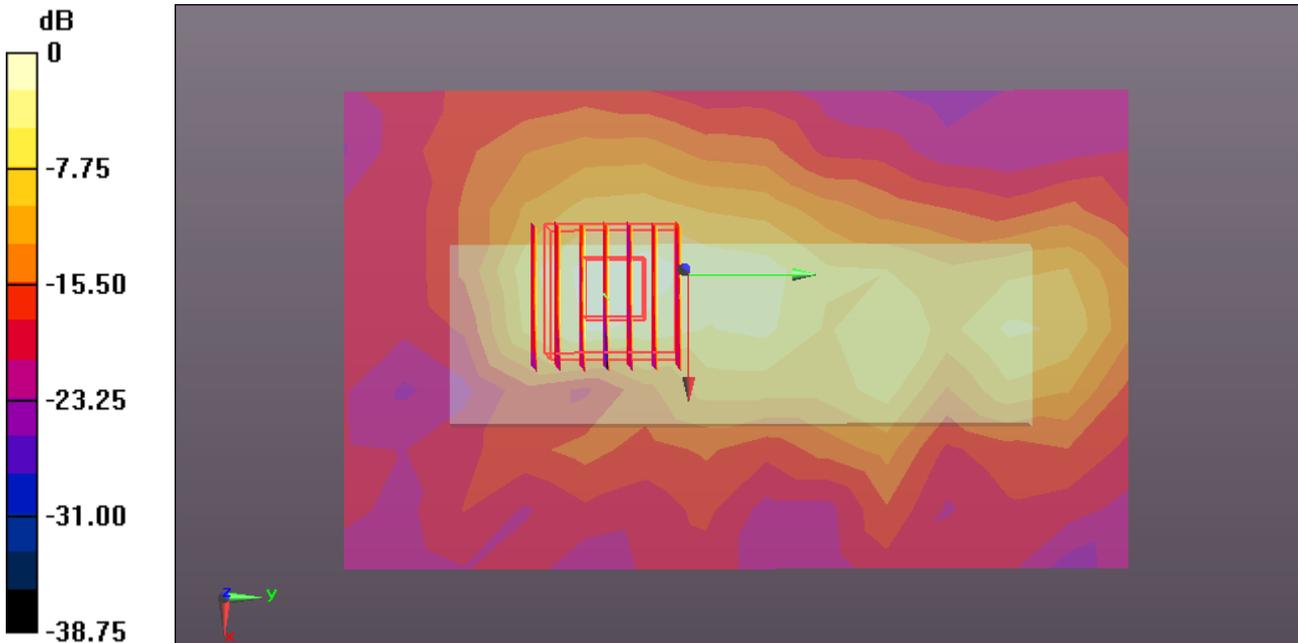
802.11a/Up Chain 0 CH140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.726 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.916 W/kg



0 dB = 0.916 W/kg = -0.38 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/3/2015

WiFi 802.11a-Body Horizontal Down Chain 0 CH140

DUT: Wireless LAN Adapter; Type: CBK-WA02

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band III;

Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700 \text{ MHz}$; $\sigma = 5.916 \text{ S/m}$; $\epsilon_r = 47.738$; $\rho = 1000 \text{ kg/m}^3$

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(3.75, 3.75, 3.75); Calibrated: 7/28/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11a/Down Chain 0 CH140/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.566 W/kg

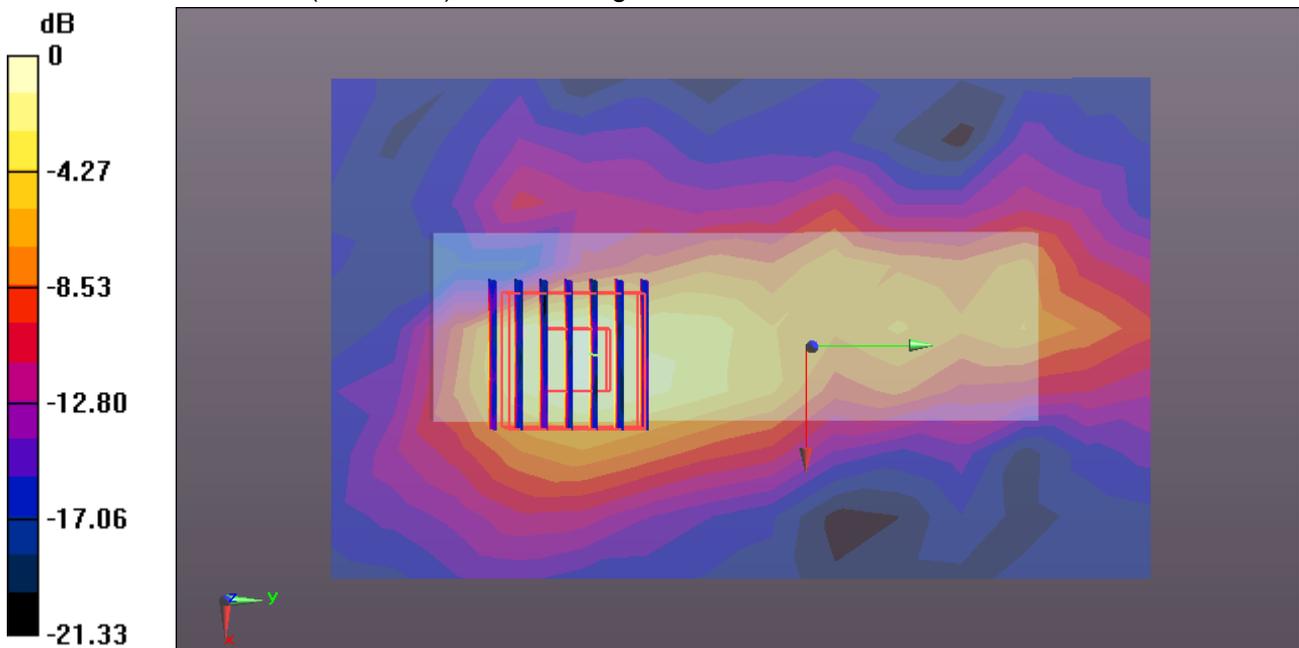
802.11a/Down Chain 0 CH140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.900 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.708 W/kg



0 dB = 0.708 W/kg = -1.50 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/3/2015

WiFi 802.11a-Body Horizontal Up Chain 1 CH140

DUT: Wireless LAN Adapter; Type: CBK-WA02

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band III;

Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700 \text{ MHz}$; $\sigma = 5.916 \text{ S/m}$; $\epsilon_r = 47.738$; $\rho = 1000 \text{ kg/m}^3$

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(3.75, 3.75, 3.75); Calibrated: 7/28/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11a/Up Chain 1 CH140/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.811 W/kg

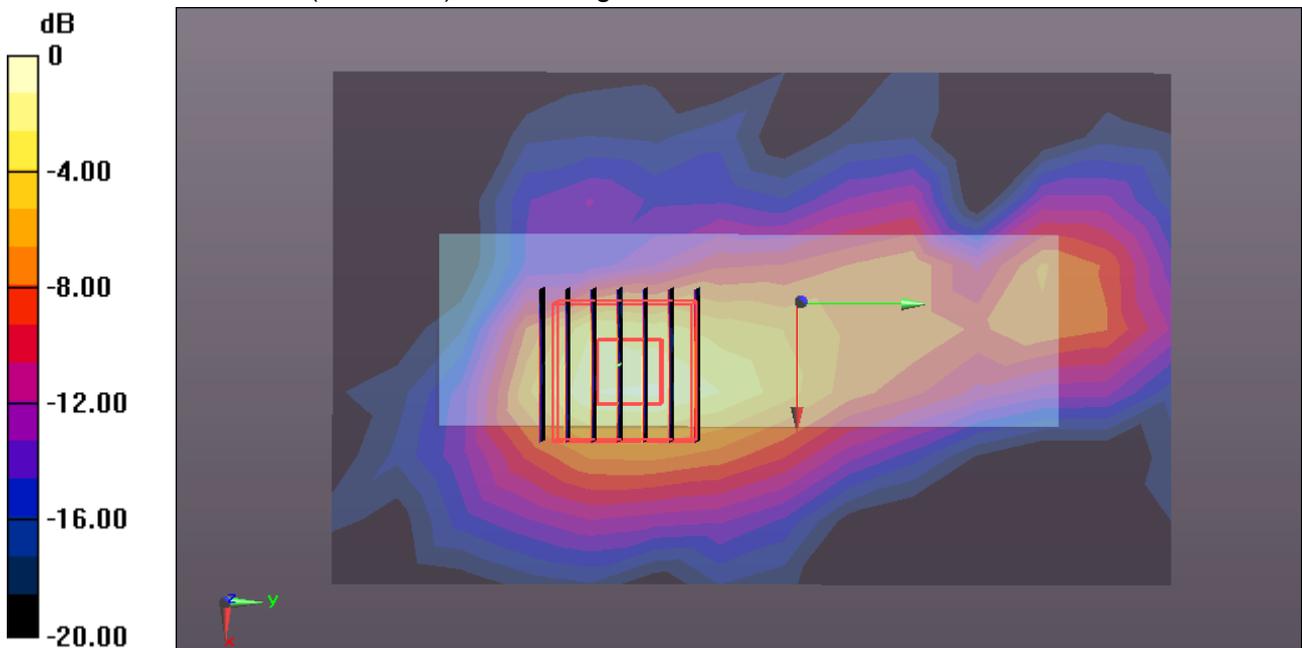
802.11a/Up Chain 1 CH140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.920 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 6/3/2015

WiFi 802.11a-Body Horizontal Down Chain 1 CH140

DUT: Wireless LAN Adapter; Type: CBK-WA02

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band III;

Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700 \text{ MHz}$; $\sigma = 5.916 \text{ S/m}$; $\epsilon_r = 47.738$; $\rho = 1000 \text{ kg/m}^3$

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(3.75, 3.75, 3.75); Calibrated: 7/28/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11a/Down Chain 1 CH140/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.915 W/kg

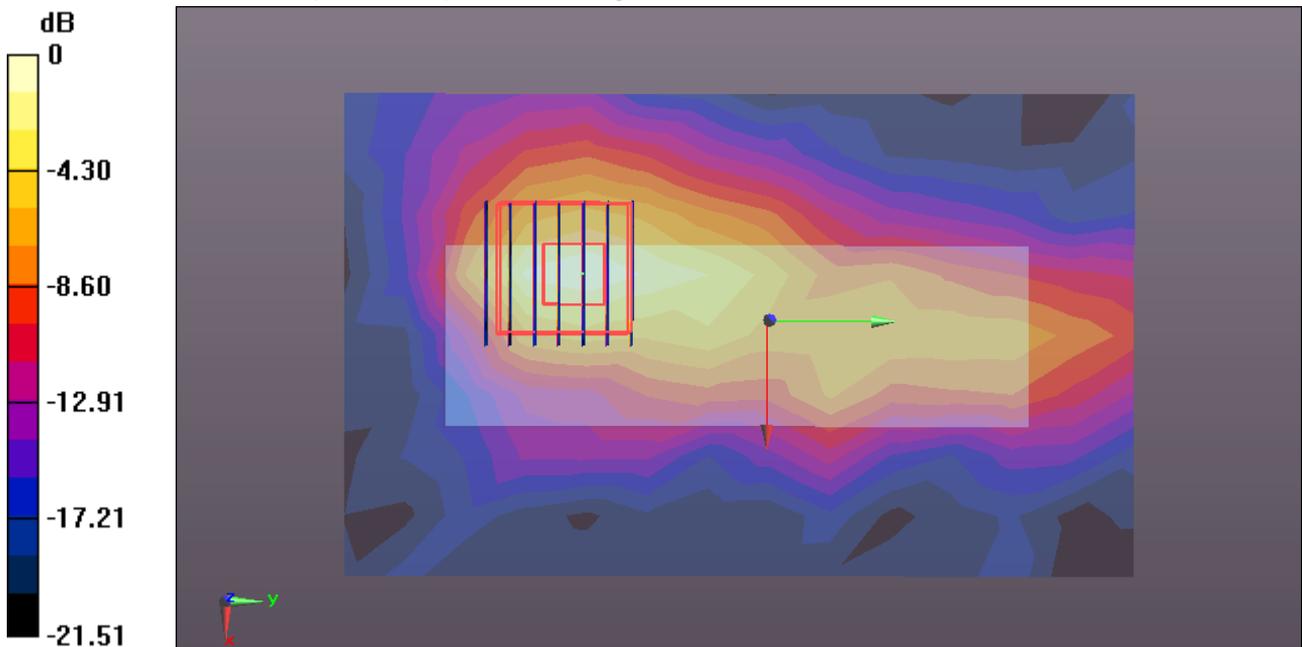
802.11a/Down Chain 1 CH140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.730 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.918 W/kg



0 dB = 0.918 W/kg = -0.37 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/18/2015

WiFi 802.11 5.5G n20 -Body Horizontal Up Chain 0+1 CH140

DUT: USB DUAL BAND DONGLE; Type: WNA699U5C2.EU78-EF-DB; Serial: N/A

Communication System: UID 0, IEEE 802.11 20HT(5G) (0); Communication System Band: 5G Band III;
 Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700$ MHz; $\sigma = 6.037$ S/m; $\epsilon_r = 47.962$; $\rho = 1000$ 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 - SN3661; ConvF(4.26, 4.26, 4.26); Calibrated: 4/11/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS2 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11 n20/Up Chain 0+1 CH140/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.861 W/kg

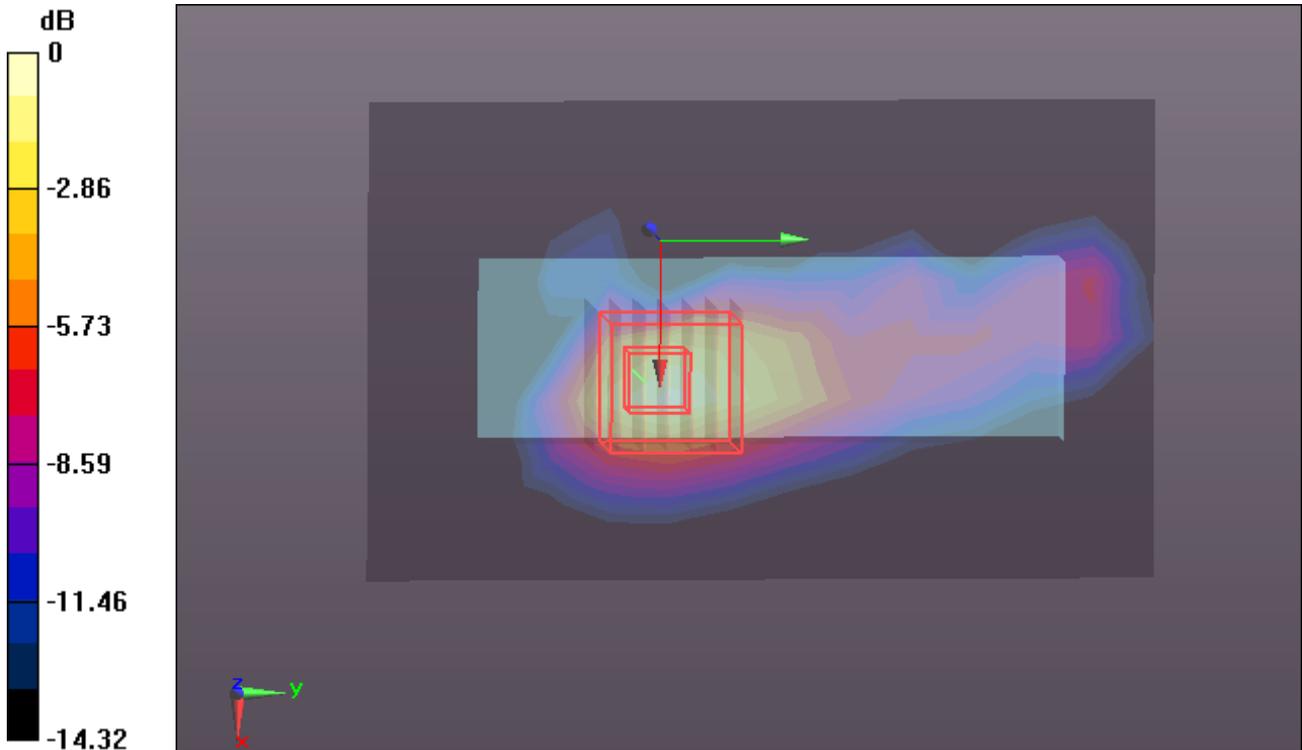
802.11 n20/Up Chain 0+1 CH140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.889 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.945 W/kg



0 dB = 0.945 W/kg = -0.25 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/18/2015

WiFi 802.11 5.8G n20 -Body Horizontal Up Chain 0+1 CH165

DUT: USB DUAL BAND DONGLE; Type: WNA699U5C2.EU78-EF-DB; Serial: N/A

Communication System: UID 0, IEEE 802.11 20HT(5G) (0); Communication System Band: 5G Band IV;
 Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.232 \text{ S/m}$; $\epsilon_r = 47.689$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3661; ConvF(4.35, 4.35, 4.35); Calibrated: 4/11/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS2 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

802.11 n20/Up Chain 0+1 CH165/Area Scan (14x9x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.715 W/kg

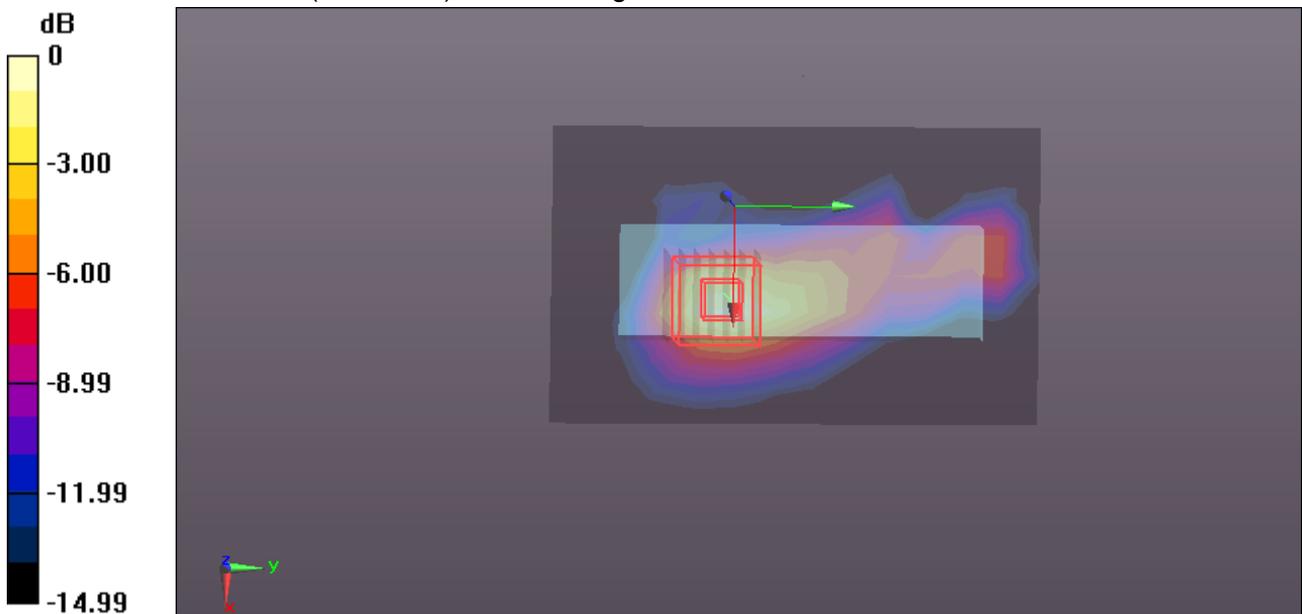
802.11 n20/Up Chain 0+1 CH165/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.308 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.791 W/kg



0 dB = 0.791 W/kg = -1.02 dBW/kg