

WIFI 802.11 b-Body Rear CH1 Chain0 .....	2
WIFI 802.11 b-Body Rear CH6 Chain0 .....	3
WIFI 802.11 b-Body Rear CH11 Chain0 .....	4
WIFI 802.11 b-Body Edge 1 CH6 Chain0 .....	5
WIFI 802.11 a-Body Rear CH60 Chain1 .....	6
WIFI 802.11 a-Body Rear CH100 Chain1 .....	7
WIFI 802.11 a-Body Rear CH149 Chain1 .....	8
WIFI 802.11 a-Body Edge 1 CH56 Chain1 .....	9
WIFI 802.11 a-Body Edge 1 CH60 Chain1 .....	10
WIFI 802.11 a-Body Edge 1 CH100 Chain1 .....	11
WIFI 802.11 a-Body Edge 1 CH149 Chain1 .....	12
WIFI 802.11 b-Body Rear CH11 Chain0 repeat .....	13
WIFI 802.11 a-Body Edge 1 CH56 Chain1 repeat .....	14
WIFI 802.11 b-Body Bottom CH11 Chain0 .....	15
WIFI 802.11 a-Body Edge 1 CH56 Chain1 .....	16
WIFI 802.11 a-Body Bottom CH100 Chain1 .....	17
WIFI 802.11 a-Body Bottom CH149 Chain1 .....	18

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WiFi 802.11 b-Body Rear CH1 Chain0**

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;

Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.908 \text{ S/m}$ ;  $\epsilon_r = 51.719$ ;  $\rho = 1000 \text{ kg/m}^3$

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(7.07, 7.07, 7.07); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi 2.4GHz/IEEE802.11b Body Rear CH1 Chain0/Area Scan (10x13x1):** Measurement grid:

$dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.52 W/kg

**WiFi 2.4GHz/IEEE802.11b Body Rear CH1 Chain0/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:

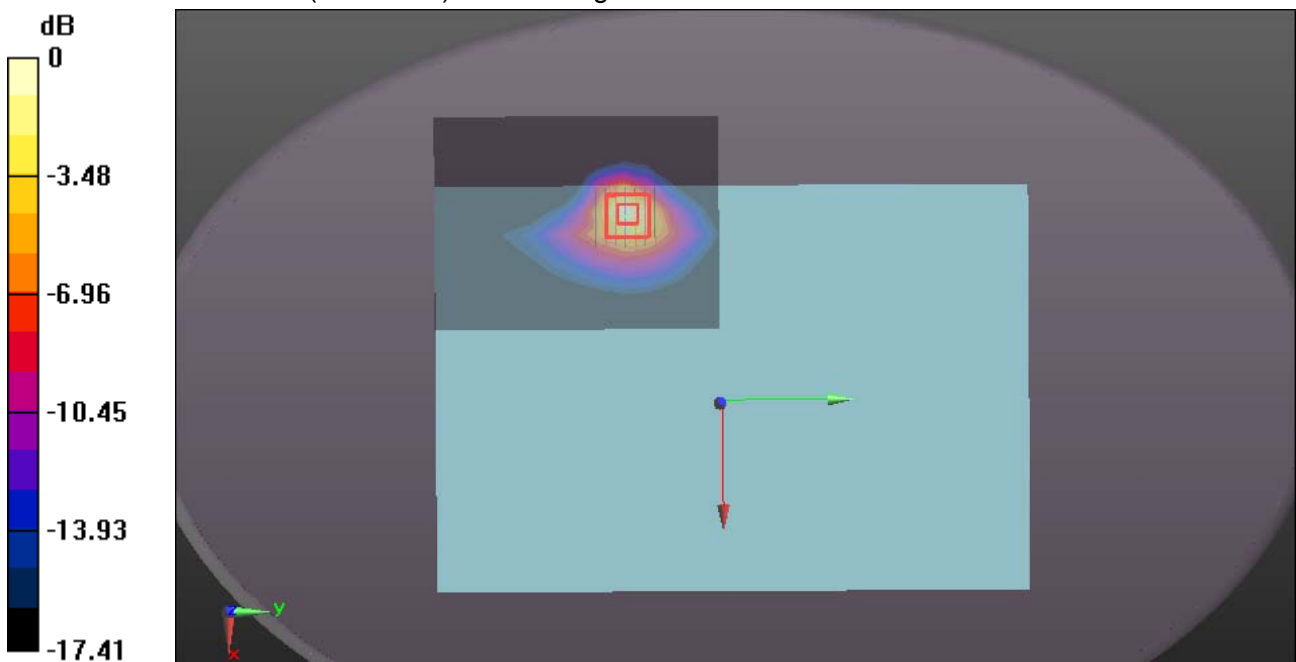
$dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.411 W/kg**

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WiFi 802.11 b-Body Rear CH6 Chain0**

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:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.945 \text{ S/m}$ ;  $\epsilon_r = 51.687$ ;  $\rho = 1000 \text{ kg/m}^3$

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(7.07, 7.07, 7.07); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi 2.4GHz/IEEE802.11b Body Rear CH6 Chain0/Area Scan (10x13x1):** Measurement grid:

$dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

**WiFi 2.4GHz/IEEE802.11b Body Rear CH6 Chain0/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:

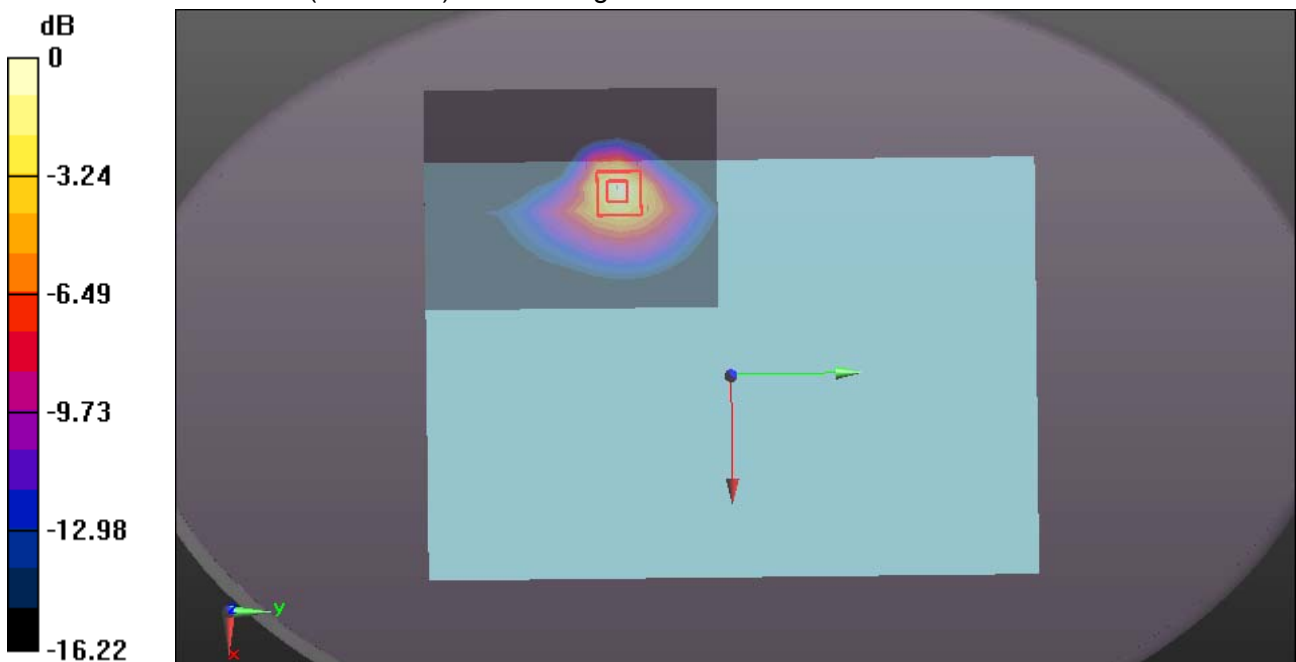
$dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 1.70 W/kg

**SAR(1 g) = 0.809 W/kg; SAR(10 g) = 0.370 W/kg**

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



0 dB = 1.26 W/kg = 1.00 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WiFi 802.11 b-Body Rear CH11 Chain0**

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:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.955 \text{ S/m}$ ;  $\epsilon_r = 51.638$ ;  $\rho = 1000 \text{ kg/m}^3$

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(7.07, 7.07, 7.07); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi 2.4GHz/IEEE802.11b Body Rear CH11 Chain0/Area Scan (10x13x1):** Measurement grid:

$dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.66 W/kg

**WiFi 2.4GHz/IEEE802.11b Body Rear CH11 Chain0/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:

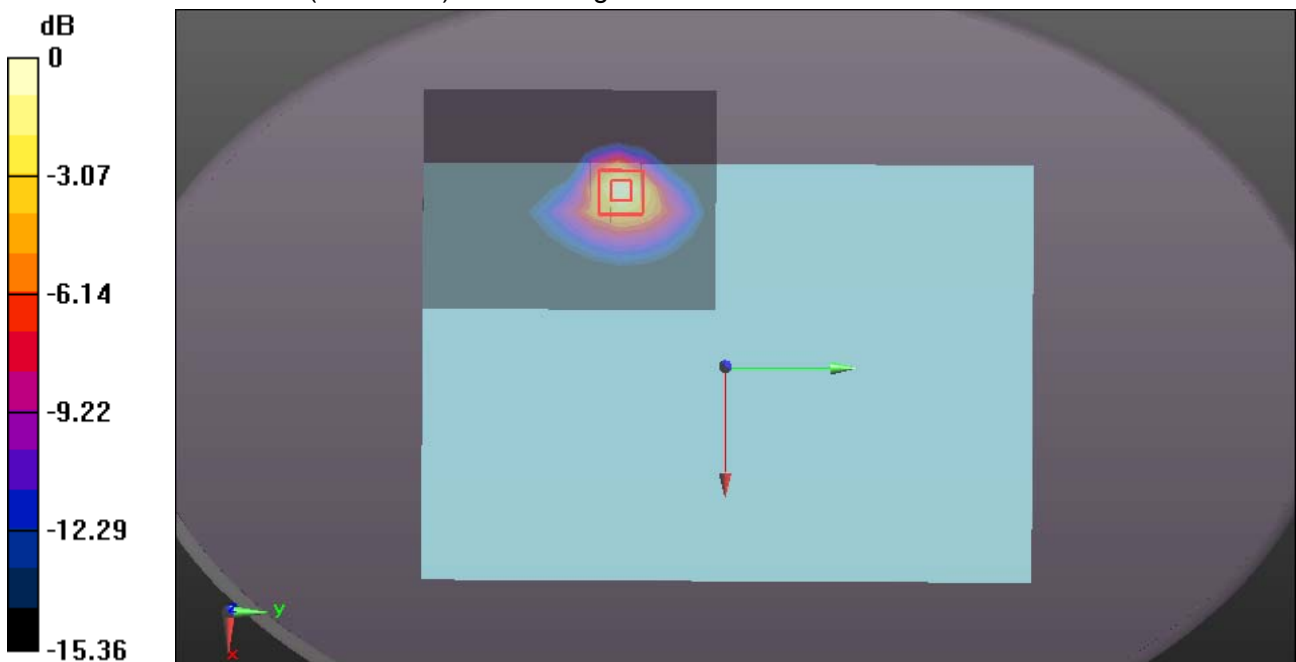
$dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.406 W/kg**

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WiFi 802.11 b-Body Edge 1 CH6 Chain0**

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:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.945 \text{ S/m}$ ;  $\epsilon_r = 51.687$ ;  $\rho = 1000 \text{ kg/m}^3$

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(7.07, 7.07, 7.07); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi 2.4GHz/IEEE802.11b Body Edge1 CH6 Chain0/Area Scan (10x13x1):** Measurement grid:

$dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.211 W/kg

**WiFi 2.4GHz/IEEE802.11b Body Edge1 CH6 Chain0/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:

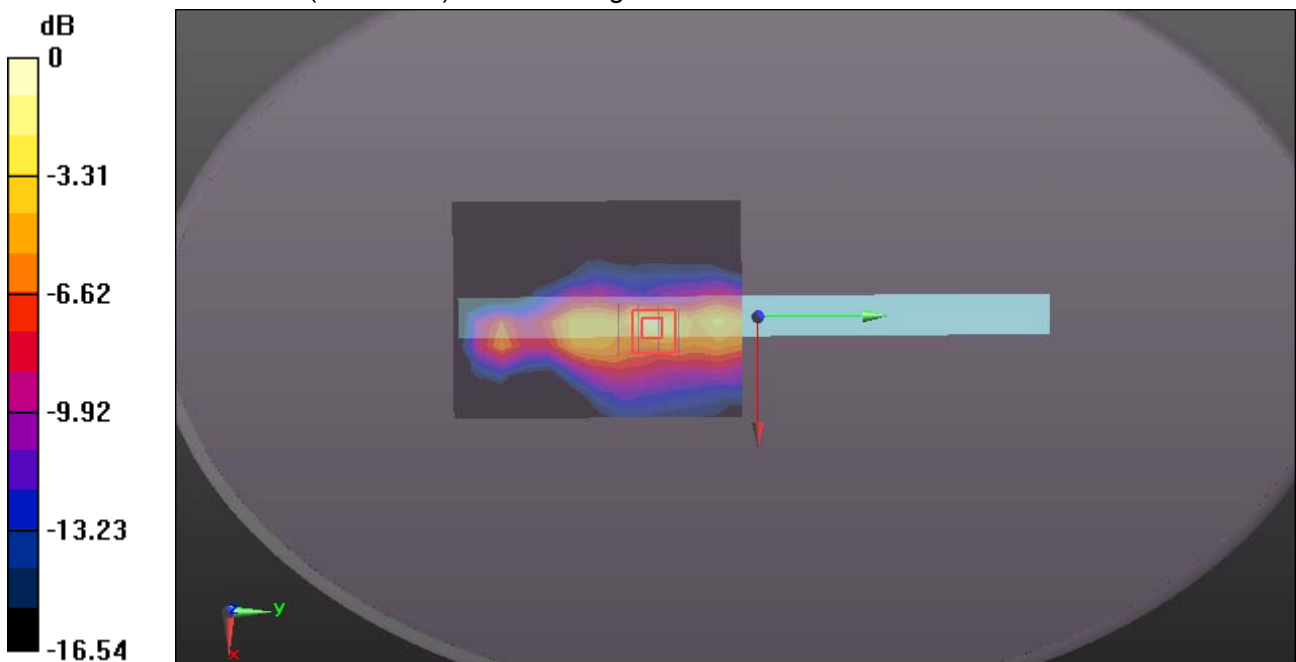
$dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.593 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.368 W/kg

**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.054 W/kg**

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WIFI 802.11 a-Body Rear CH60 Chain1**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band II; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.289 \text{ S/m}$ ;  $\epsilon_r = 47.527$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.6, 4.6, 4.6); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11a Body Rear CH60 Chain1/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.941 W/kg

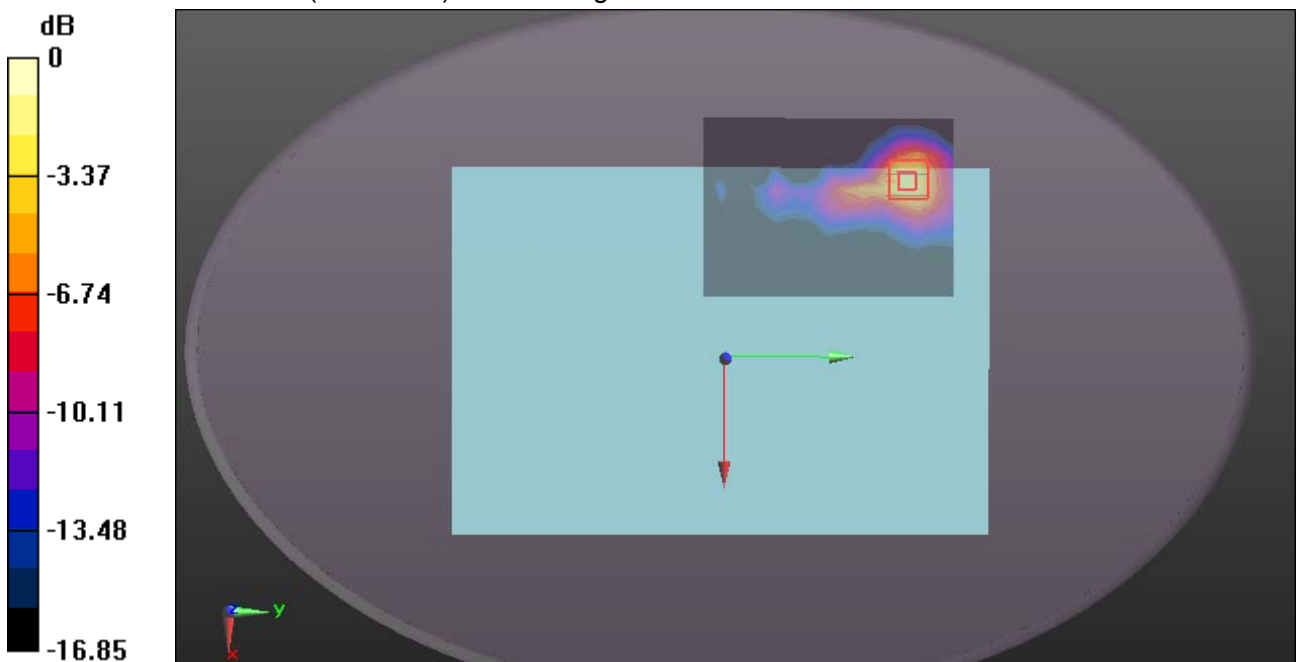
**WIFI/IEEE802.11a Body Rear CH60 Chain1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 2.46 W/kg

**SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.177 W/kg**

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WIFI 802.11 a-Body Rear CH100 Chain1**

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

Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 5.569 \text{ S/m}$ ;  $\epsilon_r = 47.123$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.23, 4.23, 4.23); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11a Body Rear CH100 Chain1/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.42 W/kg

**WIFI/IEEE802.11a Body Rear CH100 Chain1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

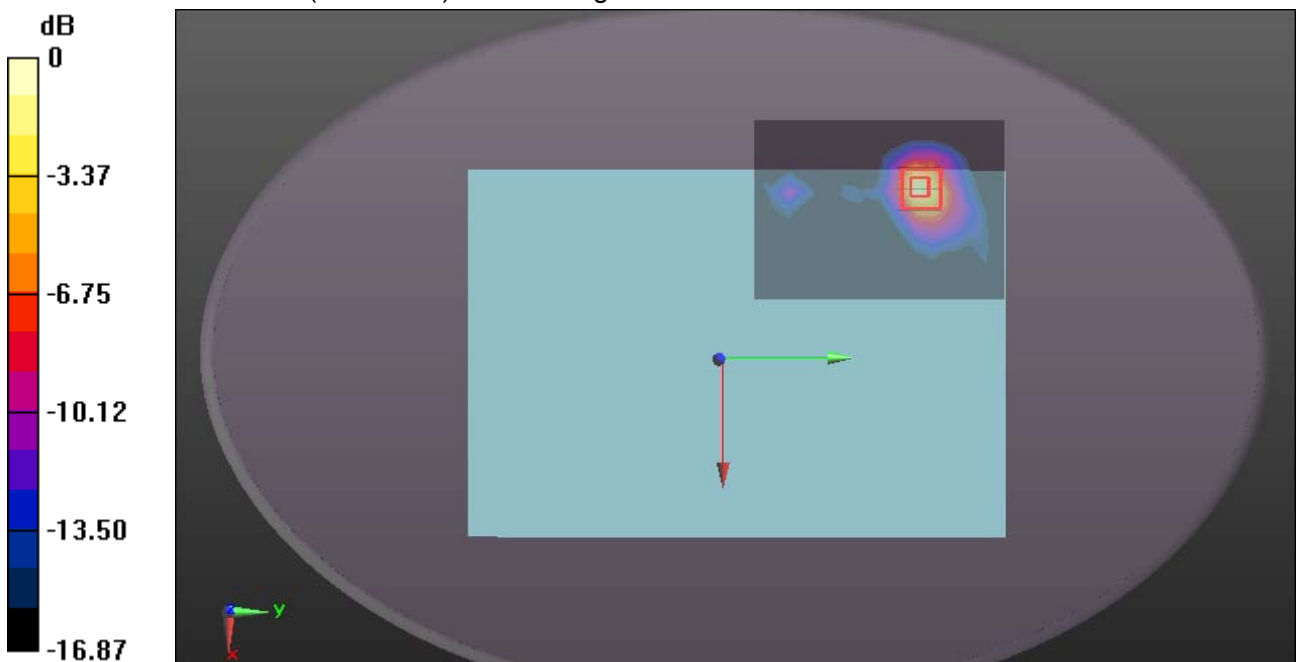
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.2400 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.06 W/kg

**SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.198 W/kg**

Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WiFi 802.11 a-Body Rear CH149 Chain1**

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

Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.896 \text{ S/m}$ ;  $\epsilon_r = 46.589$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.34, 4.34, 4.34); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi/IEEE802.11a Body Rear CH149 Chain1/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

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

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

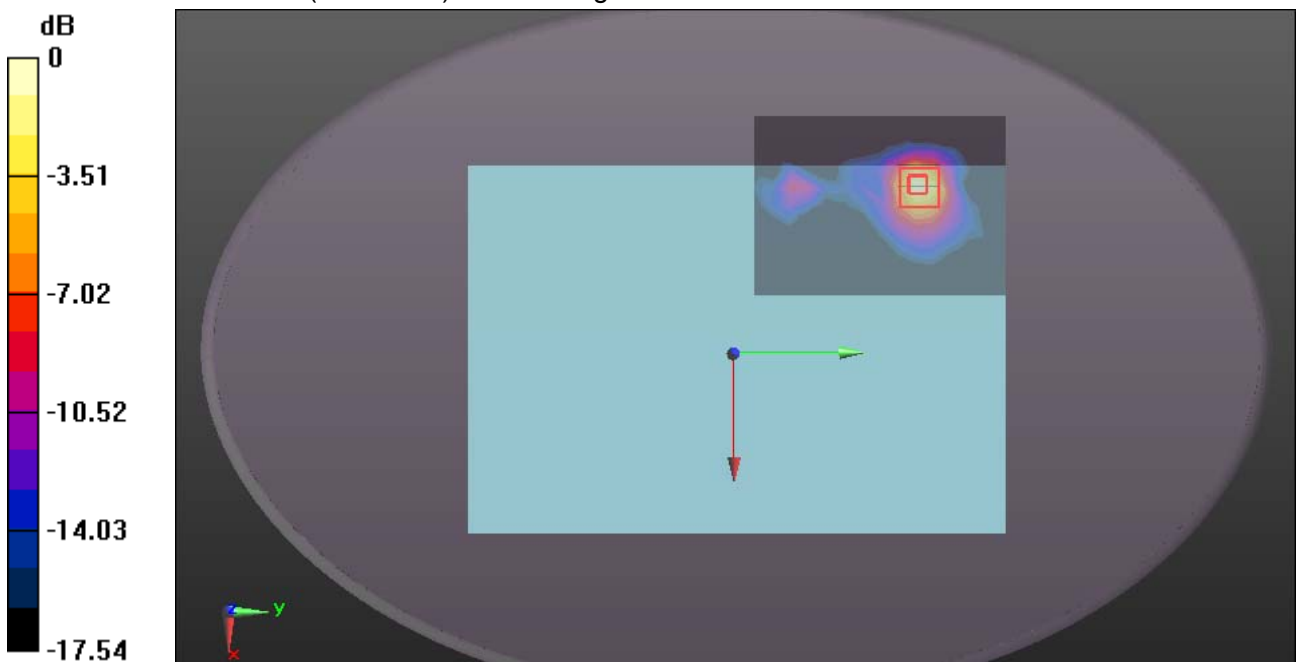
dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 2.62 W/kg

**SAR(1 g) = 0.536 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WIFI 802.11 a-Body Edge 1 CH56 Chain1**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band II; Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 5.259 \text{ S/m}$ ;  $\epsilon_r = 47.562$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.6, 4.6, 4.6); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11a Body Edge 1 CH56 Chain1/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.84 W/kg

**WIFI/IEEE802.11a Body Edge 1 CH56 Chain1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

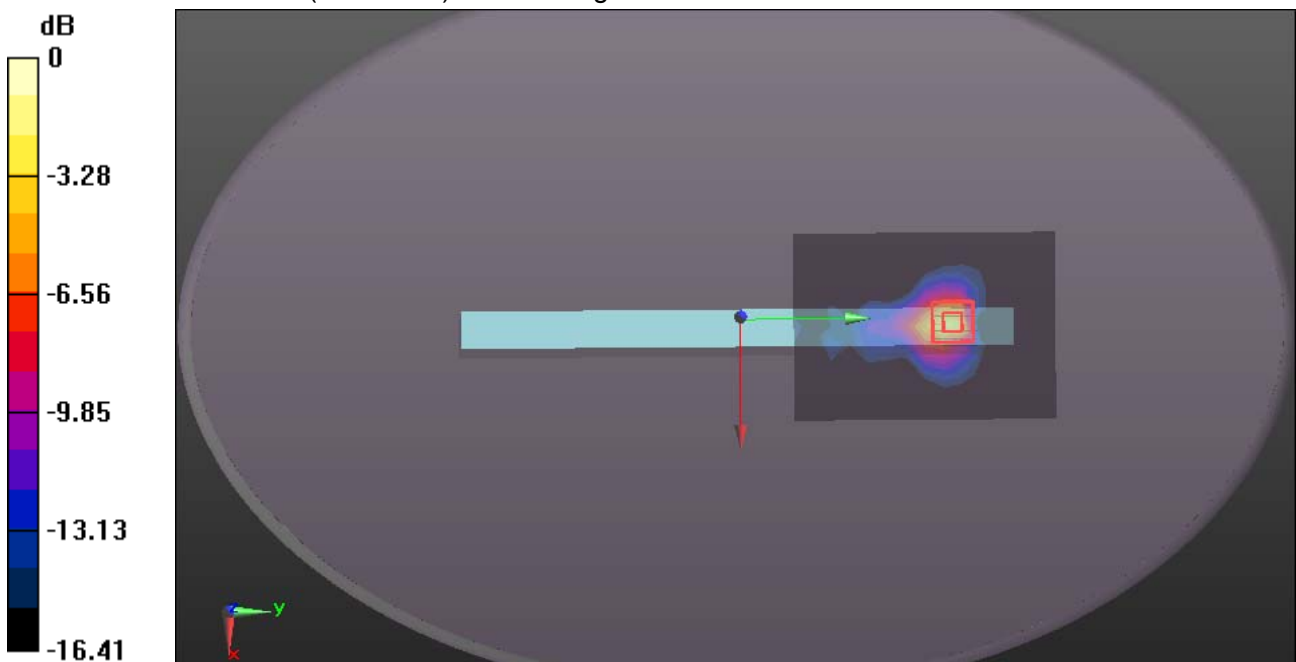
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.916 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 4.69 W/kg

**SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.263 W/kg**

Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.64 W/kg = 4.22 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WIFI 802.11 a-Body Edge 1 CH60 Chain1**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band II; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.283 \text{ S/m}$ ;  $\epsilon_r = 47.526$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.6, 4.6, 4.6); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11a Body Edge 1 CH60 Chain1/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.64 W/kg

**WIFI/IEEE802.11a Body Edge 1 CH60 Chain1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

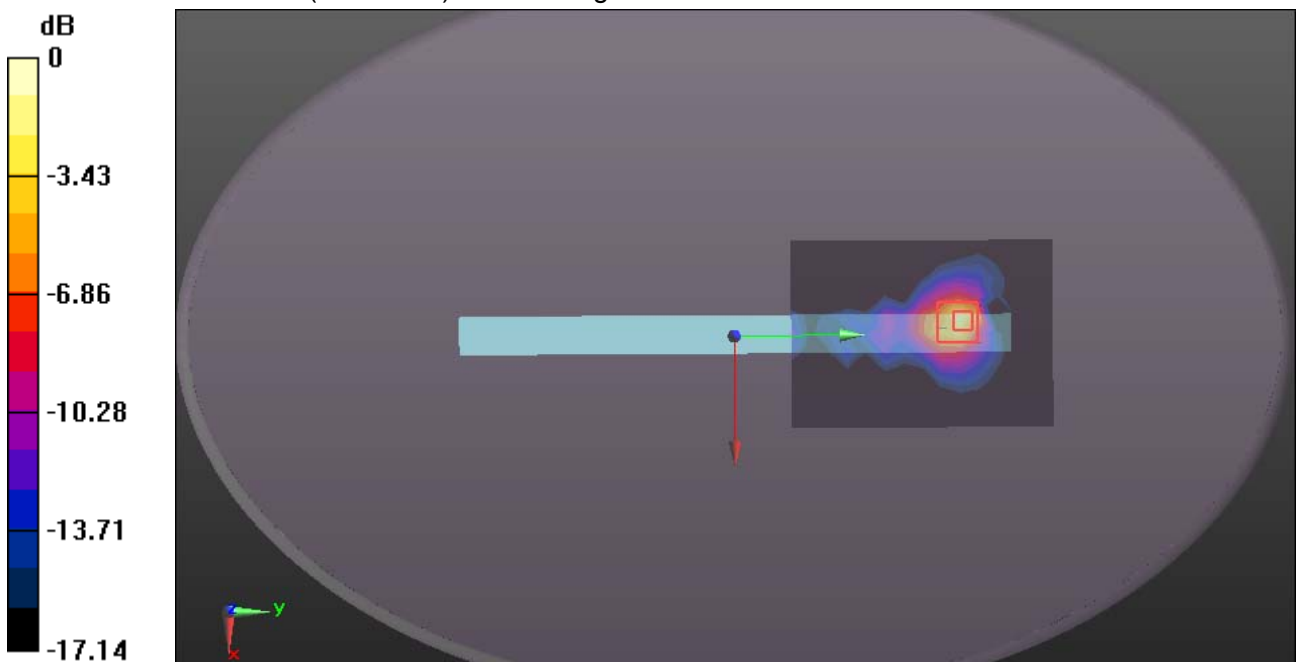
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.720 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.81 W/kg

**SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.221 W/kg**

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



0 dB = 2.13 W/kg = 3.28 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WiFi 802.11 a-Body Edge 1 CH100 Chain1**

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

Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 5.558 \text{ S/m}$ ;  $\epsilon_r = 47.141$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.23, 4.23, 4.23); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi/IEEE802.11a Body Edge 1 CH100 Chain1/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.751 W/kg

**WiFi/IEEE802.11a Body Edge 1 CH100 Chain1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

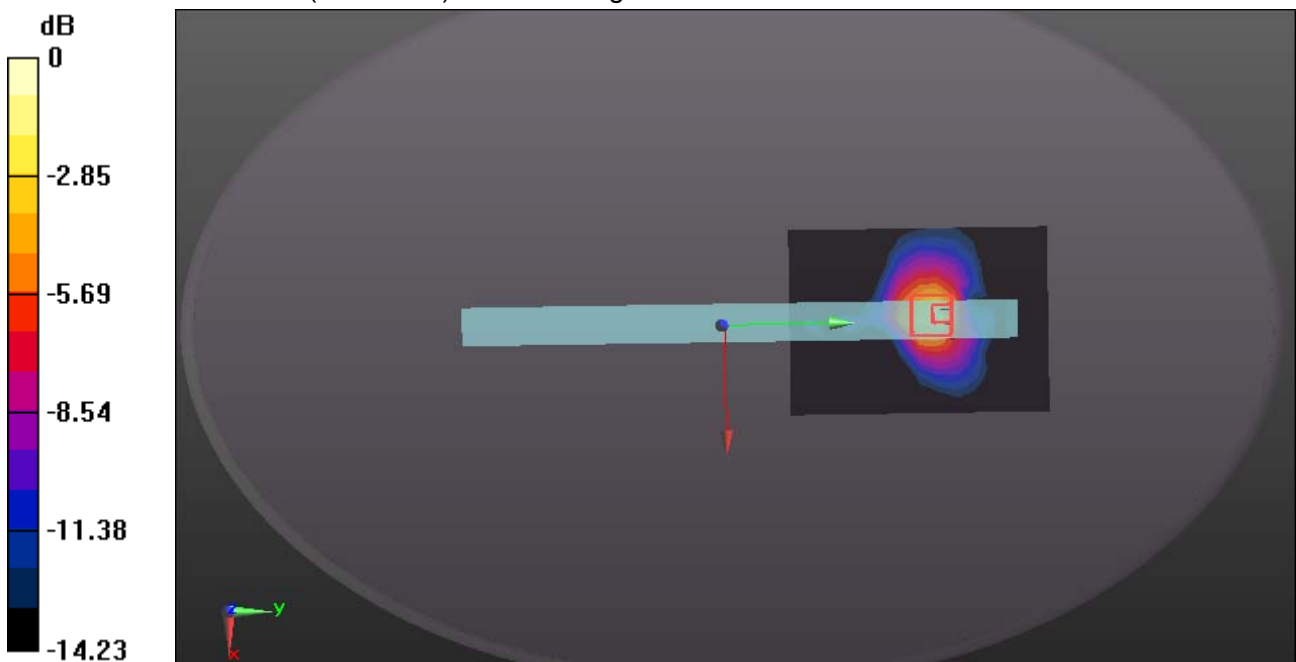
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.6380 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.115 W/kg**

Maximum value of SAR (measured) = 0.933 W/kg



0 dB = 0.933 W/kg = -0.30 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WIFI 802.11 a-Body Edge 1 CH149 Chain1**

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

Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.888 \text{ S/m}$ ;  $\epsilon_r = 46.596$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.34, 4.34, 4.34); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11a Body Edge 1 CH149 Chain1/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.629 W/kg

**WIFI/IEEE802.11a Body Edge 1 CH149 Chain1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

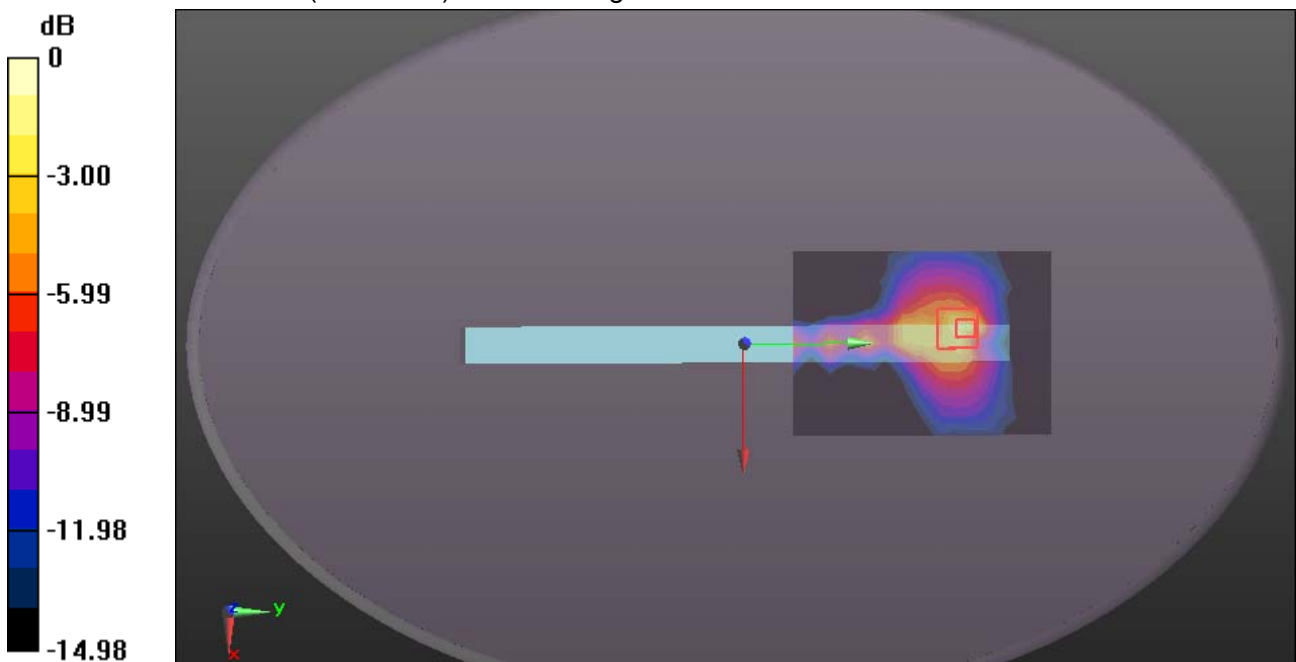
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.928 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.080 W/kg**

Maximum value of SAR (measured) = 0.783 W/kg



0 dB = 0.783 W/kg = -1.06 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WiFi 802.11 b-Body Rear CH11 Chain0 repeat**

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:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.955 \text{ S/m}$ ;  $\epsilon_r = 51.638$ ;  $\rho = 1000 \text{ kg/m}^3$

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(7.07, 7.07, 7.07); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi 2.4GHz/IEEE802.11b Body Rear CH11 Chain0 repeat/Area Scan (10x13x1):** Measurement grid:

$dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.50 W/kg

**WiFi 2.4GHz/IEEE802.11b Body Rear CH11 Chain0 repeat/Zoom Scan (7x7x5)/Cube 0:**

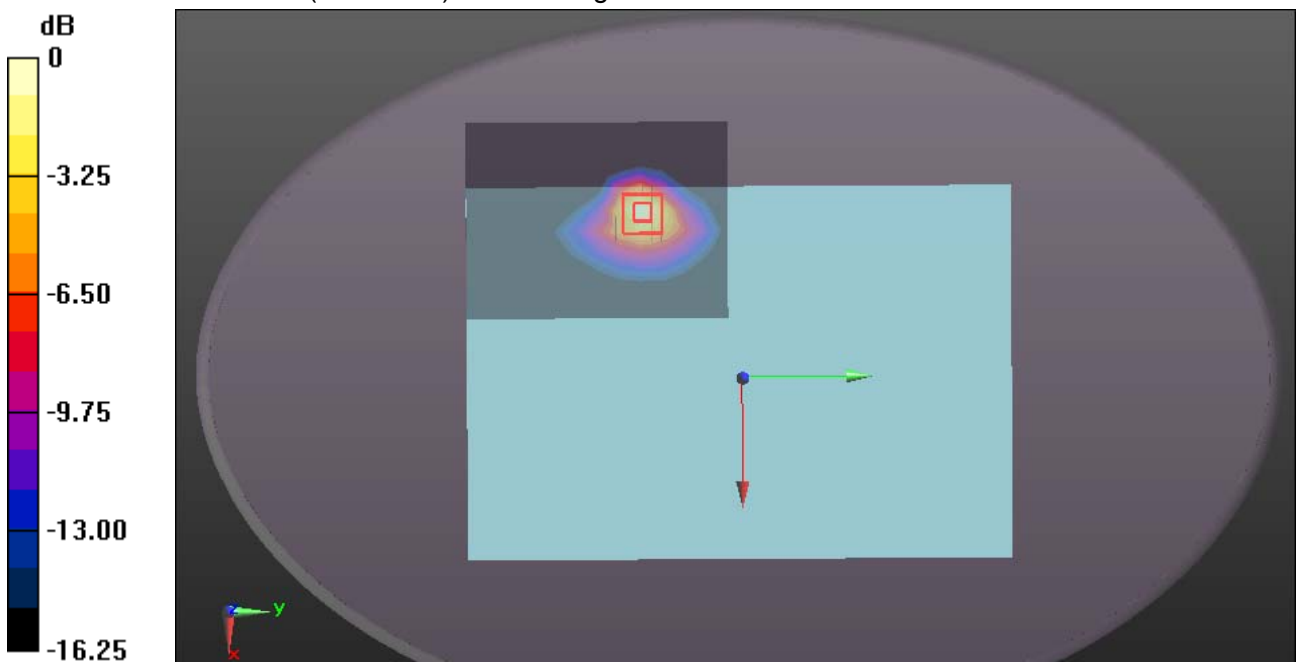
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.393 W/kg**

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



0 dB = 1.39 W/kg = 1.43 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/2/2016

**WIFI 802.11 a-Body Edge 1 CH56 Chain1 repeat**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band II; Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 5.259 \text{ S/m}$ ;  $\epsilon_r = 47.562$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.6, 4.6, 4.6); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11a Body Edge 1 CH56 Chain1 repeat/Area Scan (11x15x1):** Measurement grid:

$dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.50 W/kg

**WIFI/IEEE802.11a Body Edge 1 CH56 Chain1 repeat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

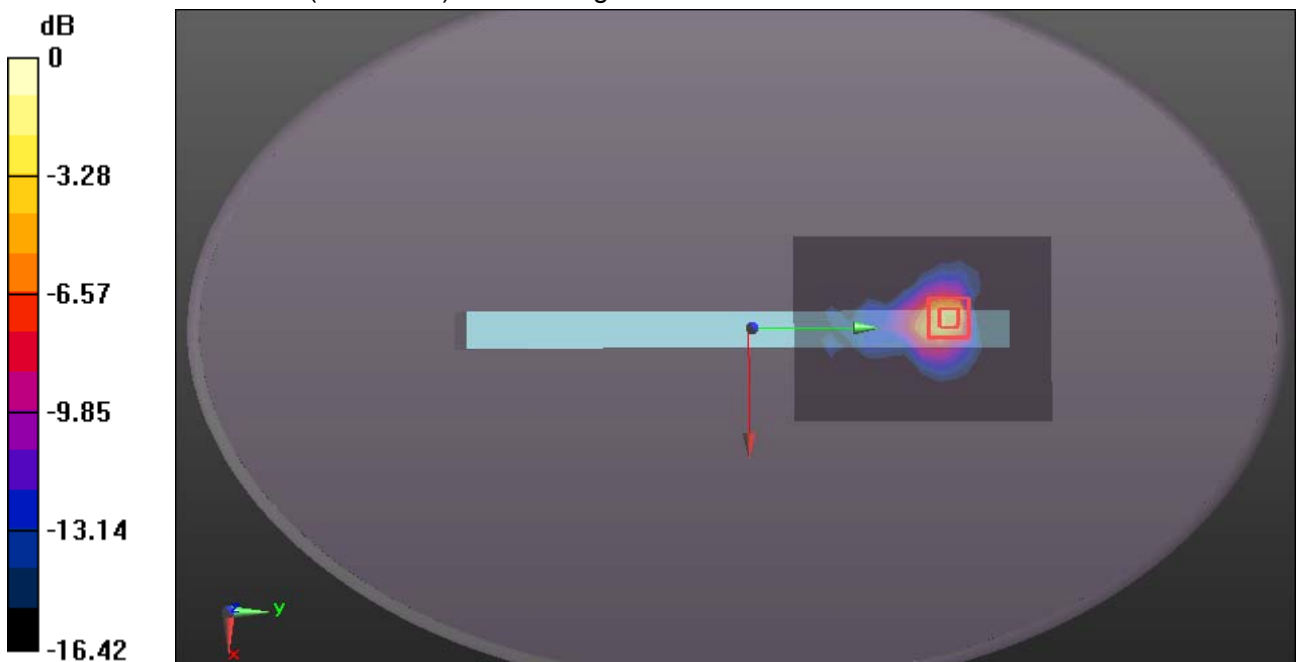
$dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value = 3.201 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.86 W/kg

**SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.264 W/kg**

Maximum value of SAR (measured) = 2.71 W/kg



0 dB = 2.71 W/kg = 4.33 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 12/21/2016

**WiFi 802.11 b-Body Bottom CH11 Chain0**

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:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.007 \text{ S/m}$ ;  $\epsilon_r = 51.767$ ;  $\rho = 1000 \text{ kg/m}^3$

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(7.07, 7.07, 7.07); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASy52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi 2.4GHz/IEEE802.11b Body Bottom CH11 Chain0 /Area Scan (10x13x1):** Measurement grid:

$dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.29 W/kg

**WiFi 2.4GHz/IEEE802.11b Body Bottom CH11 Chain0 /Zoom Scan (7x7x5)/Cube 0:** Measurement

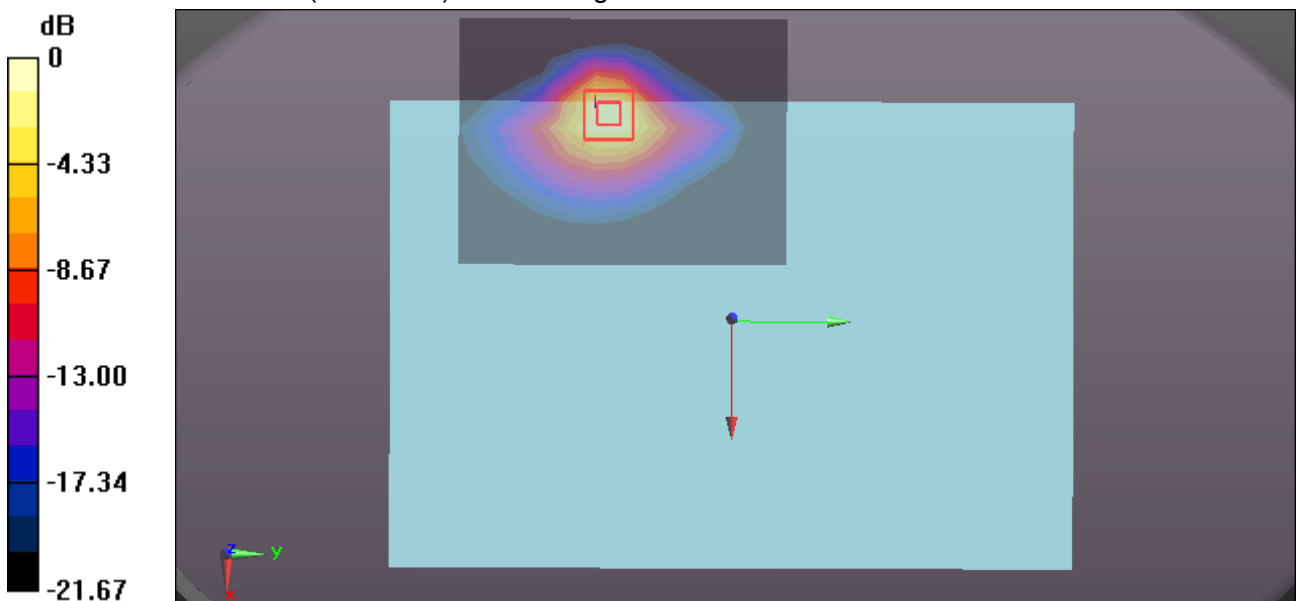
grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.3586 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.44 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.500 W/kg**

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



0 dB = 1.75 W/kg = 2.43 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 12/21/2016

**WIFI 802.11 a-Body Edge 1 CH56 Chain1**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band II; Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 5.272 \text{ S/m}$ ;  $\epsilon_r = 49.573$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.6, 4.6, 4.6); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11a Body Edge 1 CH56 Chain1/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.52 W/kg

**WIFI/IEEE802.11a Body Edge 1 CH56 Chain1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

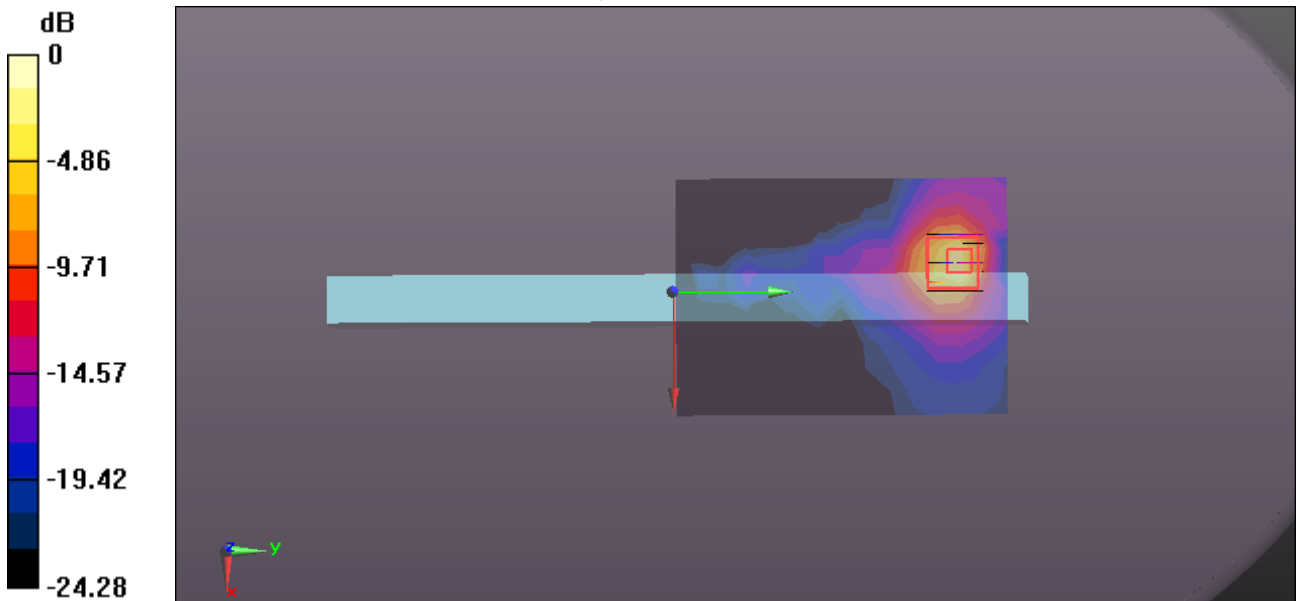
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.9690 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.84 W/kg

**SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.246 W/kg**

Maximum value of SAR (measured) = 2.28 W/kg



0 dB = 2.28 W/kg = 3.58 dBW/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 12/21/2016

**WiFi 802.11 a-Body Bottom CH100 Chain1**

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

Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 5.521 \text{ S/m}$ ;  $\epsilon_r = 49.209$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.23, 4.23, 4.23); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASy52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi/IEEE802.11a Body Bottom CH100 Chain1/Area Scan (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.91 W/kg

**WiFi/IEEE802.11a Body Bottom CH100 Chain1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

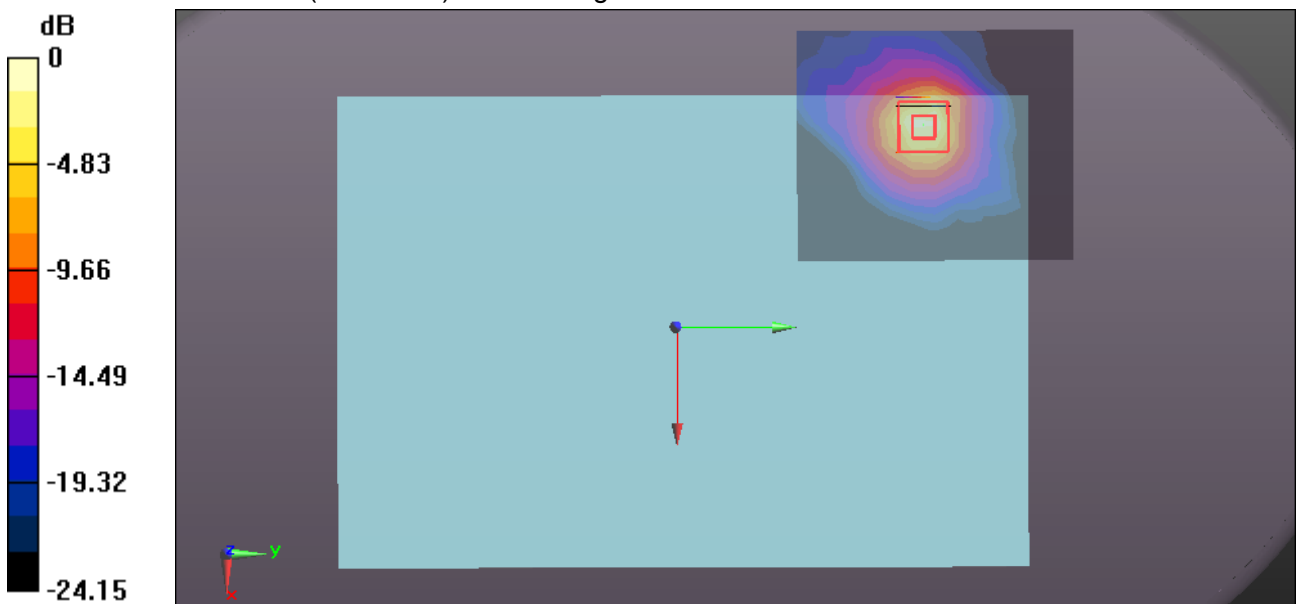
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.165 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 4.20 W/kg

**SAR(1 g) = 0.674 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 2.33 W/kg = 3.67 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 12/21/2016

**WiFi 802.11 a-Body Bottom CH149 Chain1**

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

Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.864 \text{ S/m}$ ;  $\epsilon_r = 48.694$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.34, 4.34, 4.34); Calibrated: 7/27/2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/26/2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi/IEEE802.11a Body Bottom CH149 Chain1/Area Scan (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.55 W/kg

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

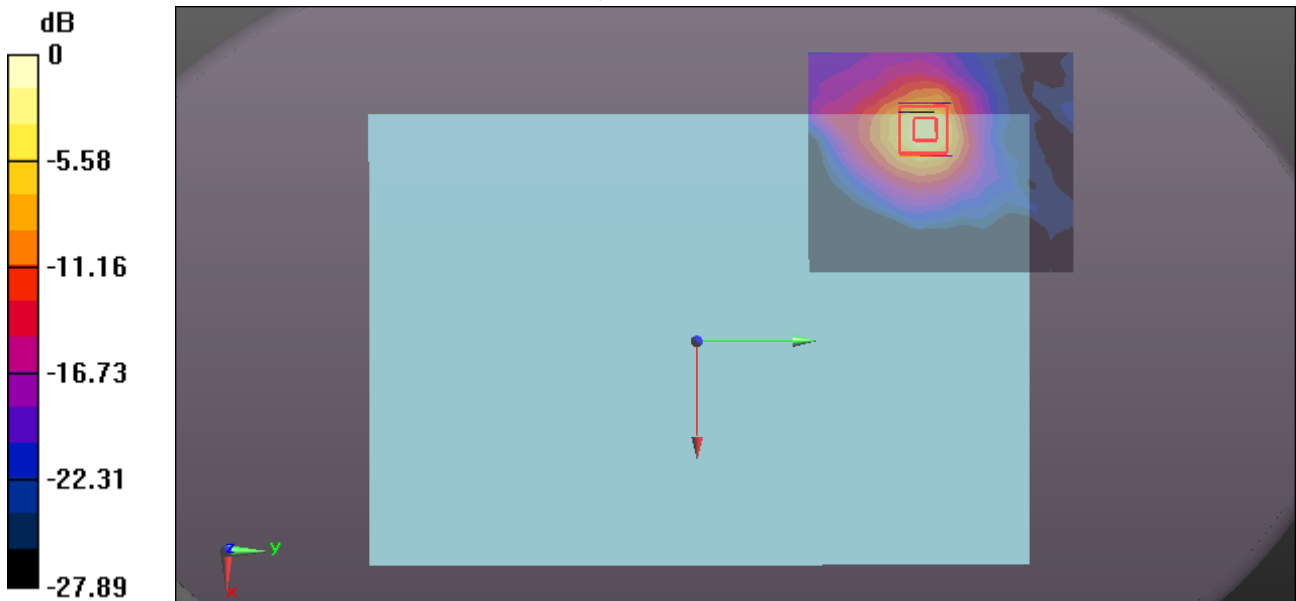
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.147 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.57 W/kg

**SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.263 W/kg**

Maximum value of SAR (measured) = 2.42 W/kg



0 dB = 2.42 W/kg = 3.84 dBW/kg