



WiFi 802.11b -Head Front CH6 ANT1 .....	2
WiFi 802.11b -Head Front CH1 ANT2 .....	3
WiFi 802.11b -Body Front CH6 ANT1 .....	4
WiFi 802.11b -Body Front CH1 ANT2 .....	5
WIFI 802.11a -Head Front CH40 ANT1 .....	6
WIFI 802.11a -Head Front CH149 ANT1 .....	7
WIFI 802.11a -Head Front CH44 ANT2 .....	8
WIFI 802.11a -Head Front CH165 ANT2 .....	9
WIFI 802.11a -Body Front CH40 ANT1 .....	10
WIFI 802.11a -Body Front CH149 ANT1 .....	11
WIFI 802.11a -Body Front CH44 ANT2 .....	12
WIFI 802.11a -Body Front CH165 ANT2 .....	13
WIFI 802.11a -Body Front CH36 Scan1 .....	14
WIFI 802.11a -Body Front CH36 Scan2 .....	15
WIFI 802.11a -Body Front CH36 Scan3 .....	16
WIFI 802.11a -Body Front CH36 Scan4 .....	17

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WiFi 802.11b -Head Front CH6 ANT1****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.815$  S/m;  $\epsilon_r = 37.906$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3801; ConvF(7.08, 7.08, 7.08); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS2 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi/Head Front CH6 ANT1/Area Scan (12x13x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.108 W/kg

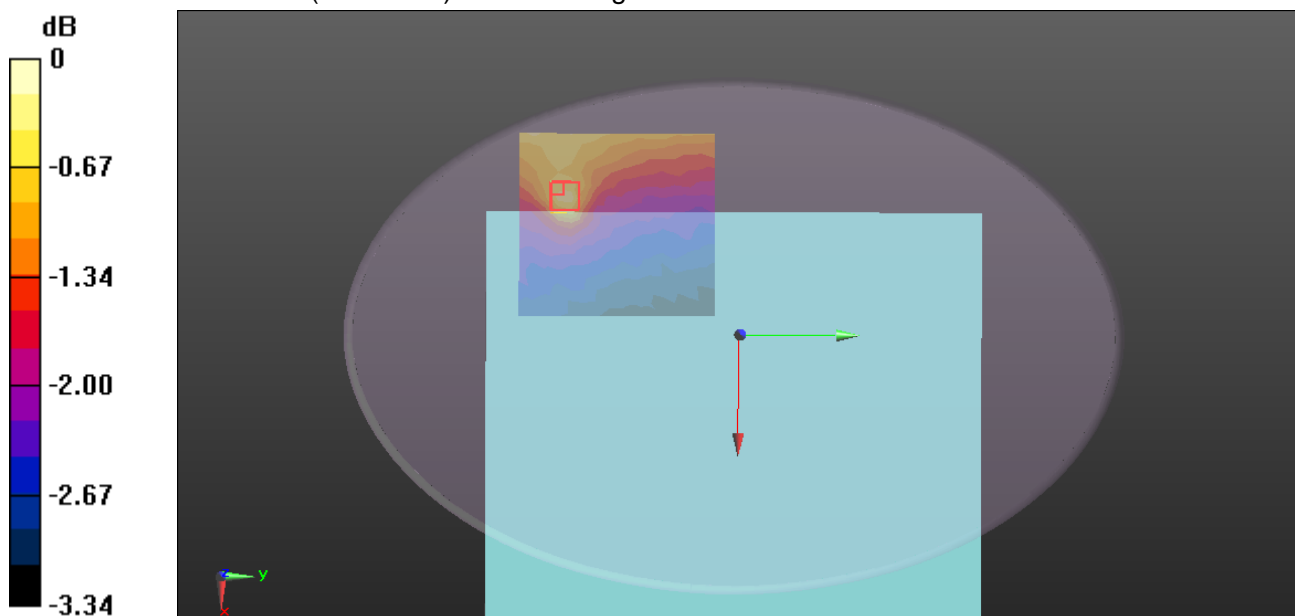
**WiFi/Head Front CH6 ANT1/Zoom Scan (7x7x5)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.123 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.124 W/kg

**SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.109 W/kg**

Maximum value of SAR (measured) = 0.124 W/kg



0 dB = 0.124 W/kg = -9.07 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WiFi 802.11b -Head Front CH1 ANT2****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;  
Frequency: 2412 MHz;Duty Cycle: 1:1Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.796 \text{ S/m}$ ;  $\epsilon_r = 37.985$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 - SN3801; ConvF(7.08, 7.08, 7.08); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi/Head Front CH1 ANT2/Area Scan (12x11x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$ 

Maximum value of SAR (measured) = 0.101 W/kg

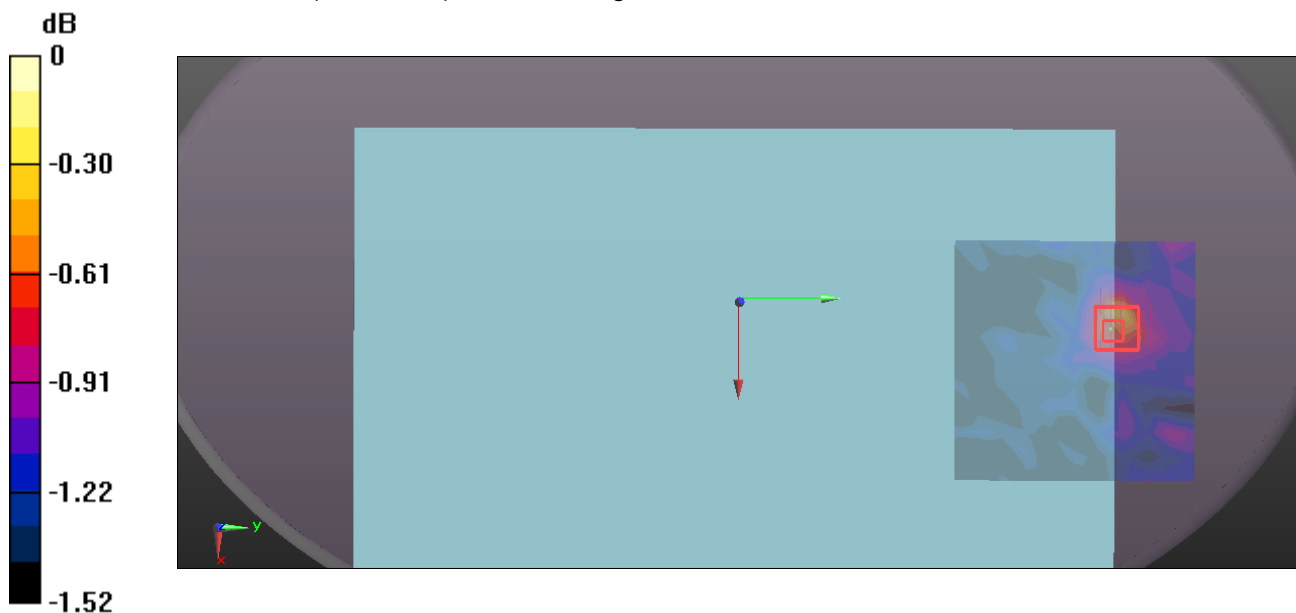
**WiFi/Head Front CH1 ANT2/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 5.866 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.115 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.088 W/kg**

Maximum value of SAR (measured) = 0.106 W/kg



0 dB = 0.106 W/kg = -9.75 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WiFi 802.11b -Body Front CH6 ANT1****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.899$  S/m;  $\epsilon_r = 50.299$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3801; ConvF(7.19, 7.19, 7.19); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi/Body Front CH6 ANT1/Area Scan (12x13x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.105 W/kg

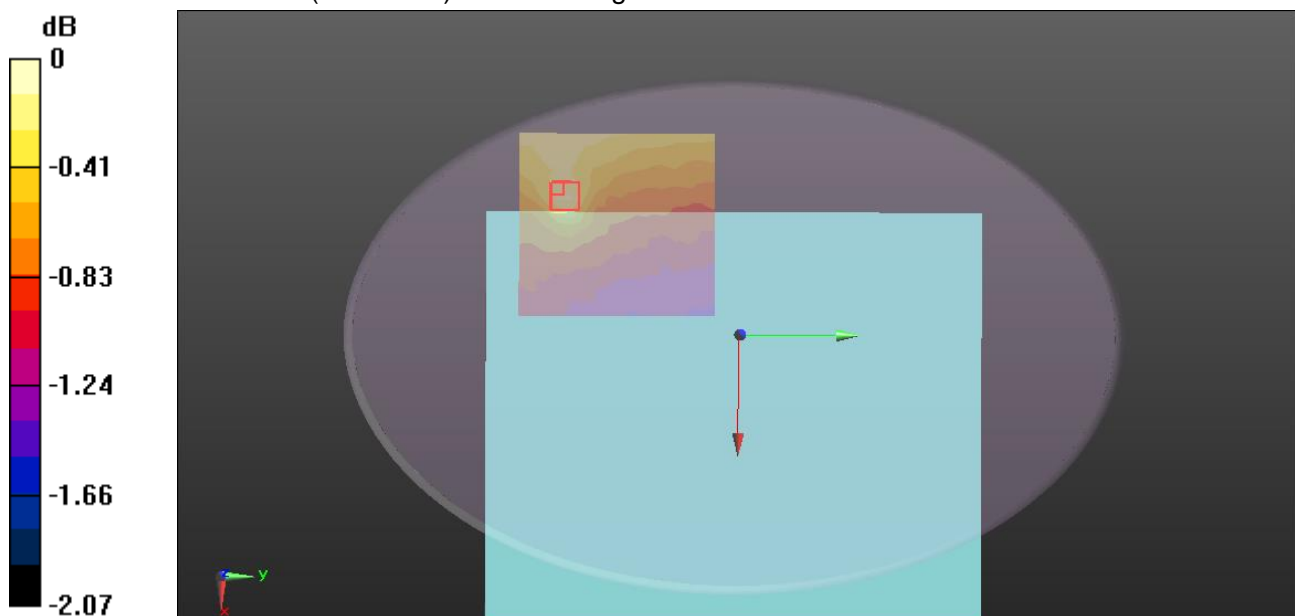
**WiFi/Body Front CH6 ANT1/Zoom Scan (7x7x5)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.101 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.123 W/kg

**SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.123 W/kg



0 dB = 0.123 W/kg = -9.10 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WiFi 802.11b -Body Front CH1 ANT2****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;  
Frequency: 2412 MHz;Duty Cycle: 1:1Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.864$  S/m;  $\epsilon_r = 50.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3801; ConvF(7.19, 7.19, 7.19); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WiFi/Body Front CH1 ANT2/Area Scan (12x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.106 W/kg

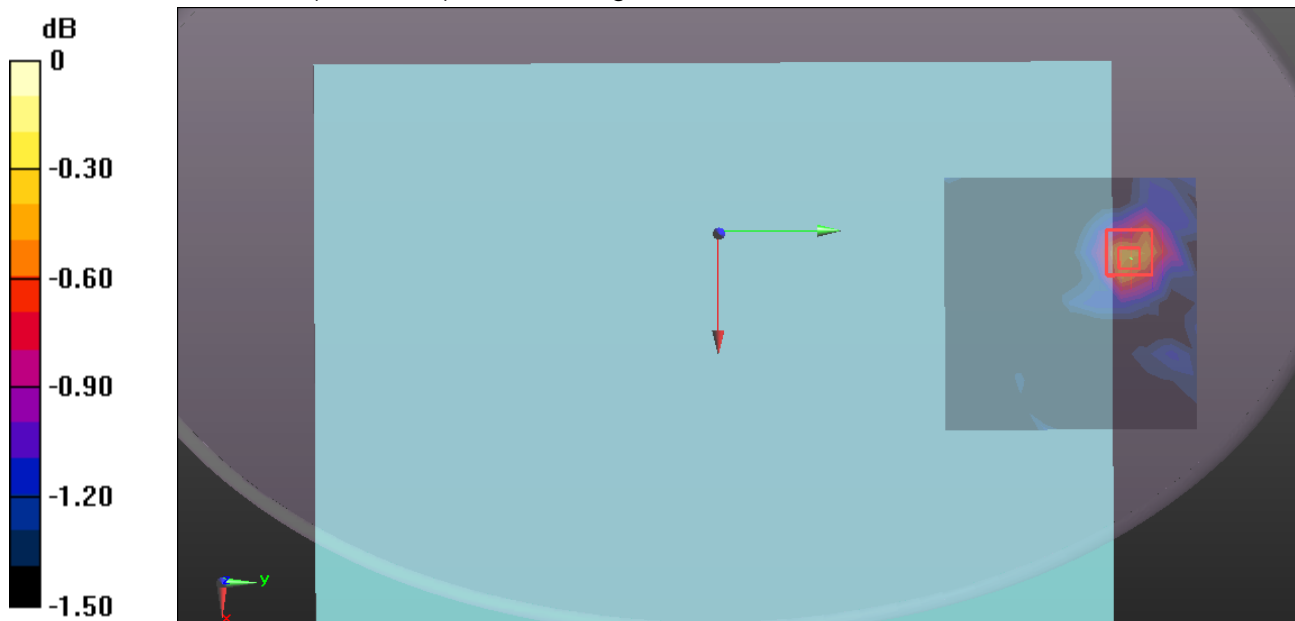
**WiFi/Body Front CH1 ANT2 2/Zoom Scan (7x7x5)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.165 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.127 W/kg

**SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.116 W/kg = -9.36 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WIFI 802.11a -Head Front CH40 ANT1****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.548$  S/m;  $\epsilon_r = 35.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3801; ConvF(4.93, 4.93, 4.93); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Head Front CH40 ANT1/Area Scan (15x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.358 W/kg

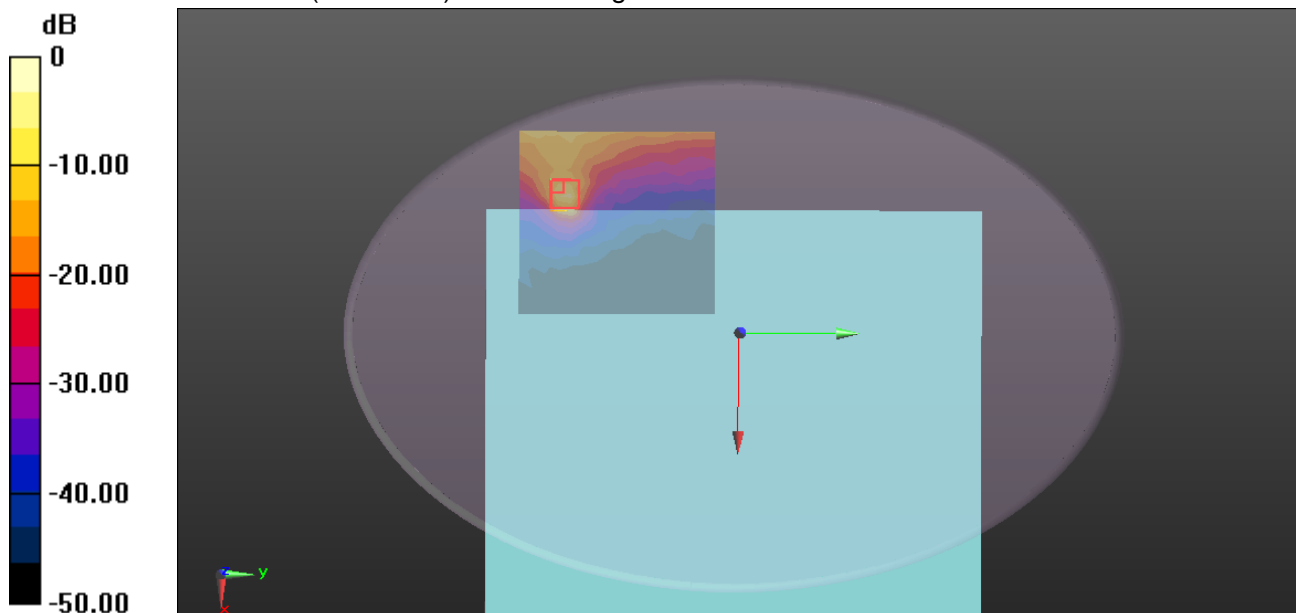
**WIFI/Head Front CH40 ANT1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.317 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.394**

Maximum value of SAR (measured) = 0.446 W/kg



0 dB = 0.446 W/kg = -3.51 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WIFI 802.11a -Head Front CH149 ANT1****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

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:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.15 \text{ S/m}$ ;  $\epsilon_r = 34.651$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 - SN3801; ConvF(4.61, 4.61, 4.61); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Head Front CH149 ANT1/Area Scan (15x16x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ 

Maximum value of SAR (measured) = 0.445 W/kg

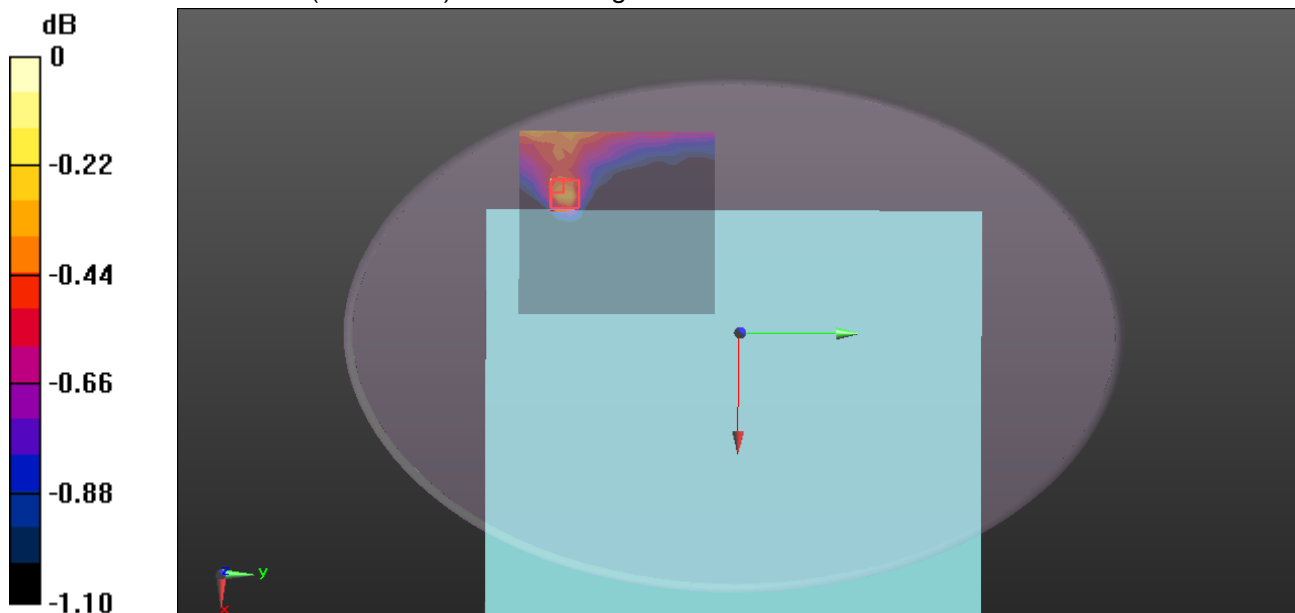
**WIFI/Head Front CH149 ANT1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ 

Reference Value = 7.517 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.471 W/kg

**SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.429 W/kg**

Maximum value of SAR (measured) = 0.468 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WIFI 802.11a -Head Front CH44 ANT2****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5220 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5220 \text{ MHz}$ ;  $\sigma = 4.573 \text{ S/m}$ ;  $\epsilon_r = 35.866$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 - SN3801; ConvF(4.93, 4.93, 4.93); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Head Front CH44 ANT2/Area Scan (15x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.339 W/kg

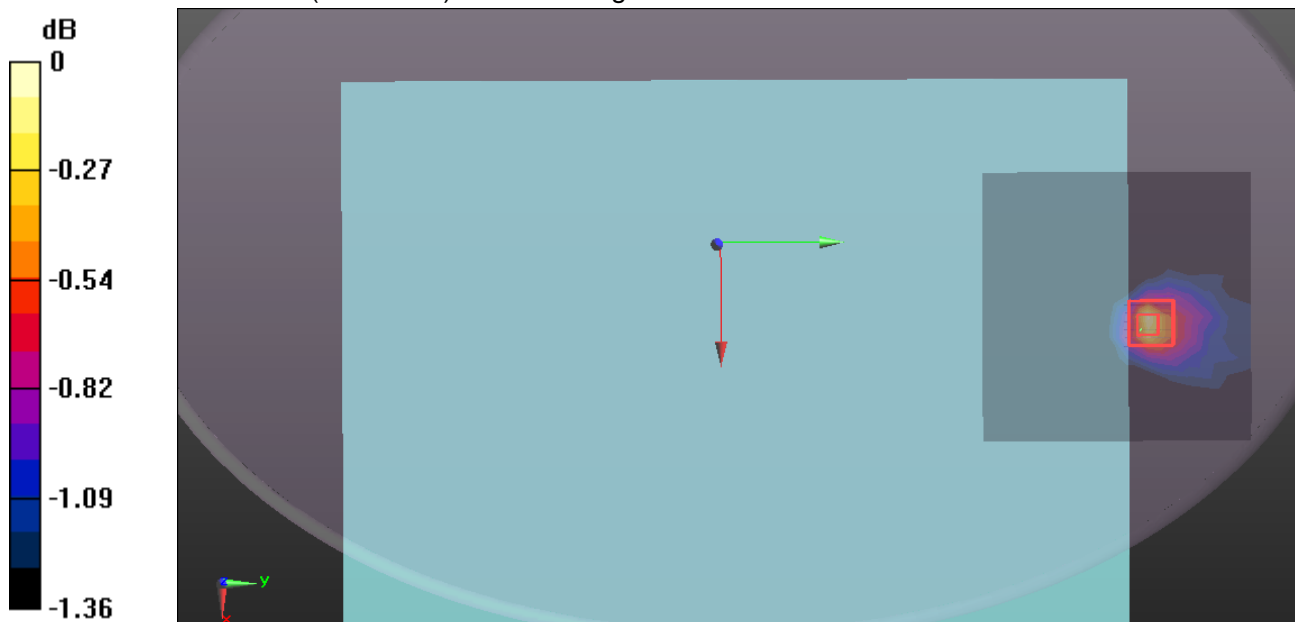
**WIFI/Head Front CH44 ANT2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.304 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.323 W/kg**

Maximum value of SAR (measured) = 0.371 W/kg



0 dB = 0.371 W/kg = -4.31 dBW/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WIFI 802.11a -Head Front CH165 ANT2****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

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

Frequency: 5825 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.251 \text{ S/m}$ ;  $\epsilon_r = 34.4$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 - SN3801; ConvF(4.61, 4.61, 4.61); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Head Front CH165 ANT2/Area Scan (15x13x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ 

Maximum value of SAR (measured) = 0.406 W/kg

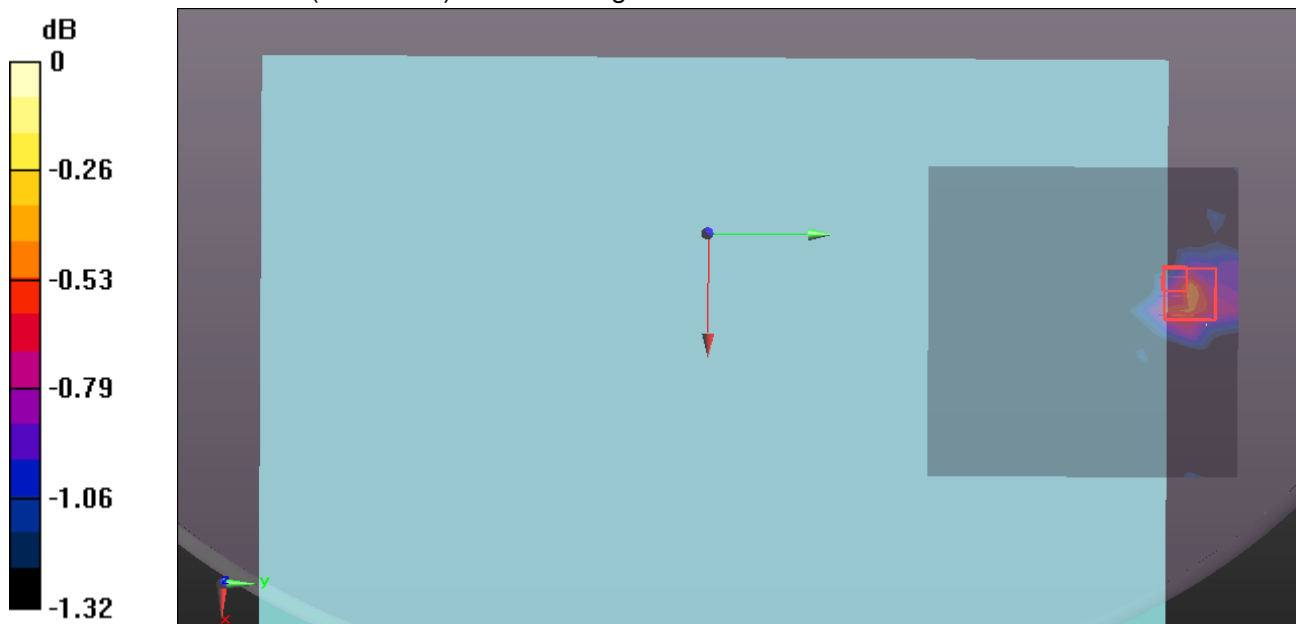
**WIFI/Head Front CH165 ANT2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ 

Reference Value = 7.691 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.480 W/kg

**SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.394 W/kg**

Maximum value of SAR (measured) = 0.438 W/kg



0 dB = 0.438 W/kg = -3.59 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WIFI 802.11a -Body Front CH40 ANT1****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.355$  S/m;  $\epsilon_r = 49.035$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3801; ConvF(4.23, 4.23, 4.23); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Body Front CH40 ANT1/Area Scan (15x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.454 W/kg

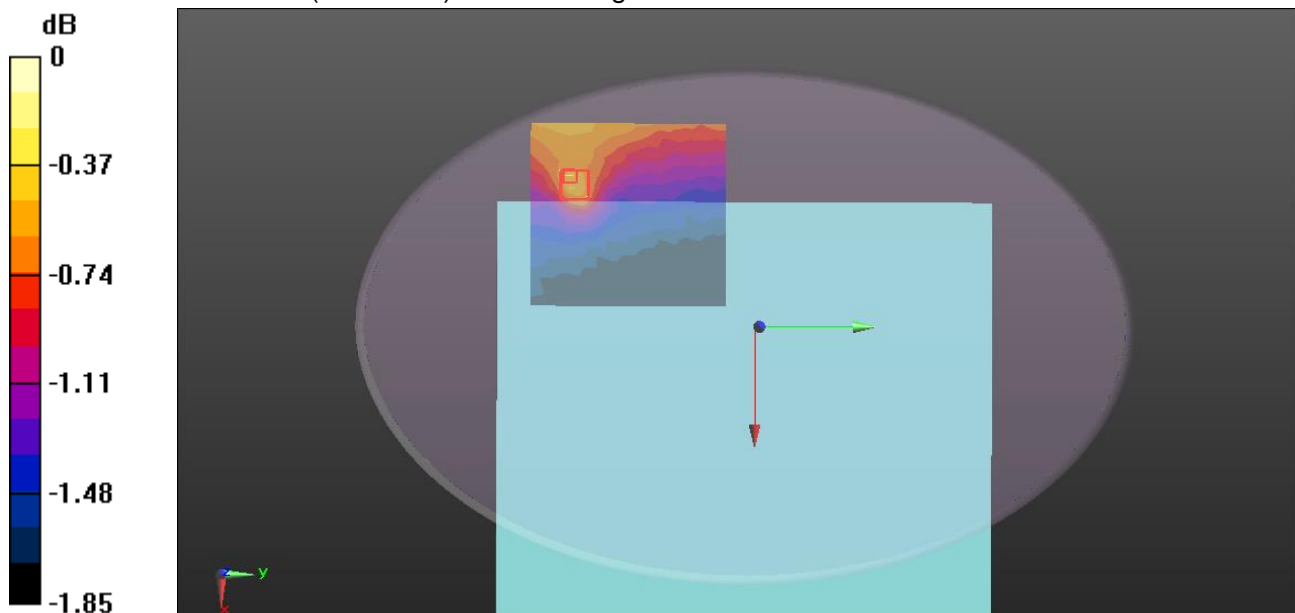
**WIFI/Body Front CH40 ANT1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.743 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.608 W/kg

**SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.555 W/kg**

Maximum value of SAR (measured) = 0.608 W/kg



0 dB = 0.608 W/kg = -2.16 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WIFI 802.11a -Body Front CH149 ANT1****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

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:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.942 \text{ S/m}$ ;  $\epsilon_r = 48.277$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 - SN3801; ConvF(3.95, 3.95, 3.95); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Body Front CH149 ANT1/Area Scan (15x16x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ 

Maximum value of SAR (measured) = 0.555 W/kg

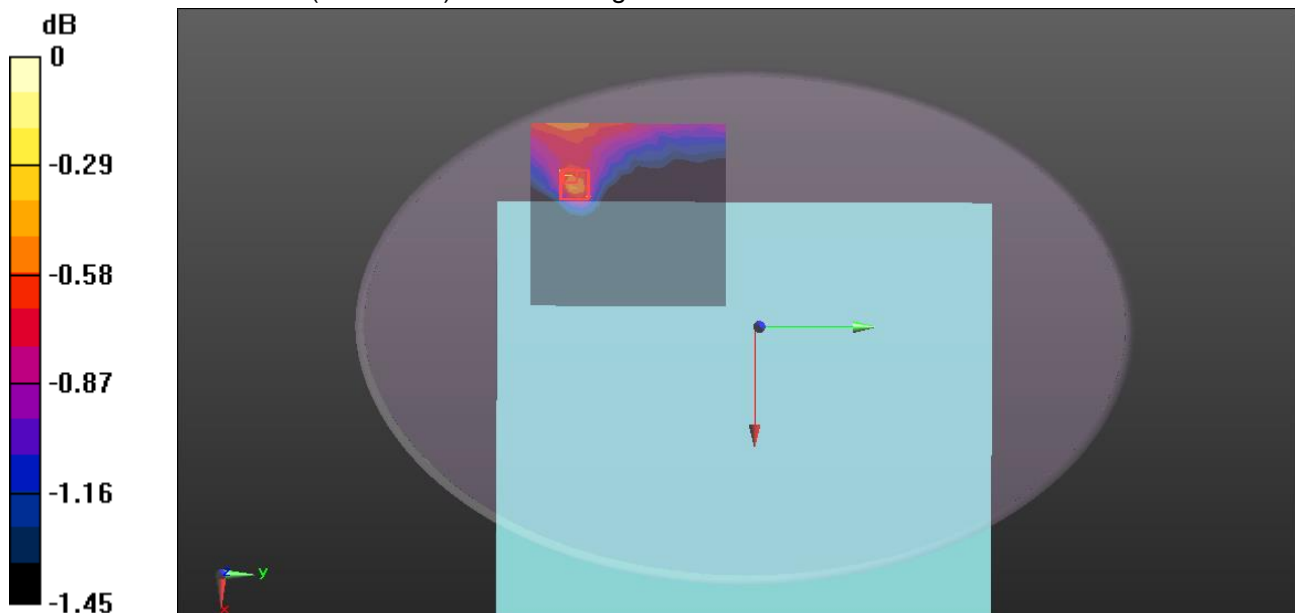
**WIFI/Body Front CH149 ANT1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ 

Reference Value = 8.074 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.615 W/kg

**SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.567 W/kg**

Maximum value of SAR (measured) = 0.615 W/kg



0 dB = 0.615 W/kg = -2.11 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WIFI 802.11a -Body Front CH44 ANT2****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5220 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.377$  S/m;  $\epsilon_r = 49.007$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3801; ConvF(4.23, 4.23, 4.23); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Body Front CH44 ANT2/Area Scan (15x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.435 W/kg

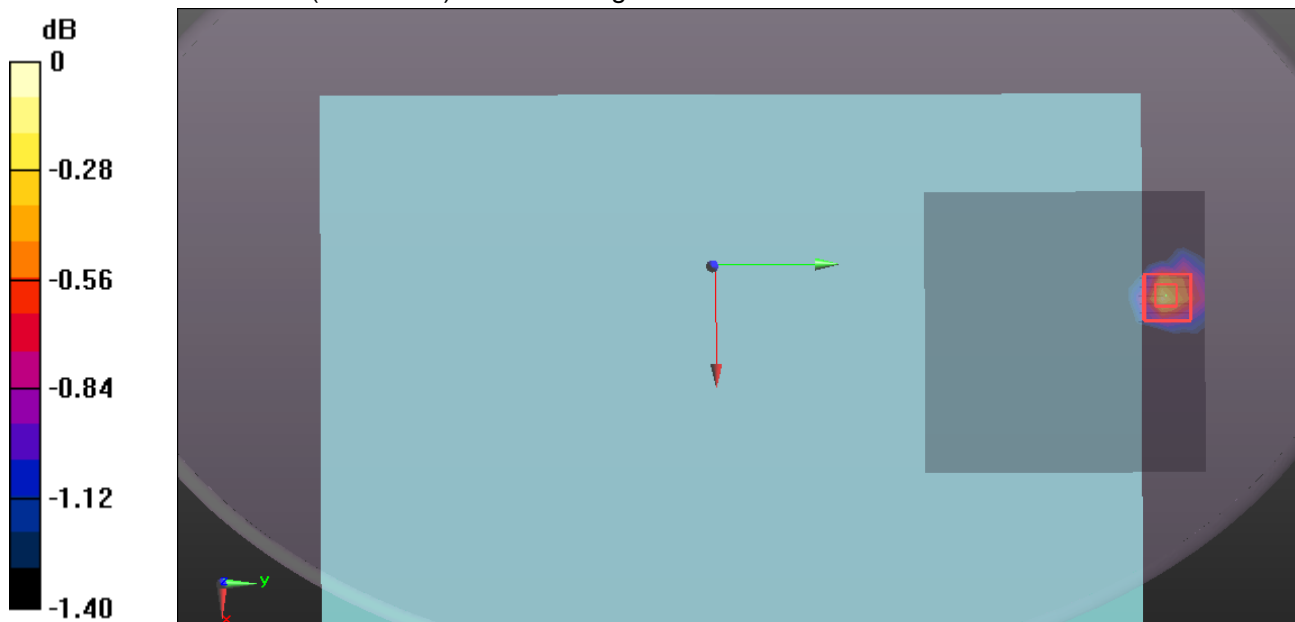
**WIFI/Body Front CH44 ANT2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.911 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.465 W/kg

**SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.429 W/kg**

Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg = -3.33 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/16/2018

**WIFI 802.11a -Body Front CH165 ANT2****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

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

Frequency: 5825 MHz;Duty Cycle: 1:1

Medium parameters used (extrapolated):  $f = 5825$  MHz;  $\sigma = 6.026$  S/m;  $\epsilon_r = 48.165$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3801; ConvF(3.95, 3.95, 3.95); Calibrated: 6/26/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 6/21/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Body Front CH165 ANT2/Area Scan (15x13x1):** Measurement grid: dx=10mm, dy=10mm[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.469 W/kg

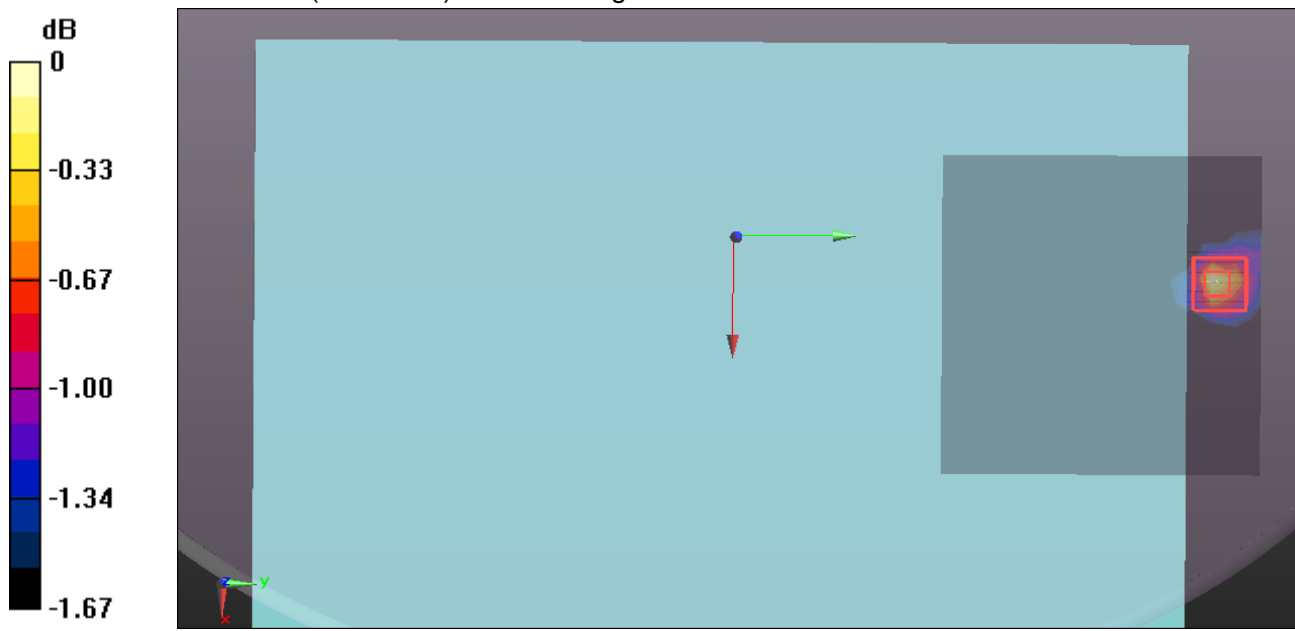
**WIFI/Body Front CH165 ANT2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.109 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.509 W/kg**[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.551 W/kg



0 dB = 0.551 W/kg = -2.59 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 3/12/2019

**WIFI 802.11a -Body Front CH36 Scan1****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5180 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.298$  S/m;  $\epsilon_r = 49.225$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

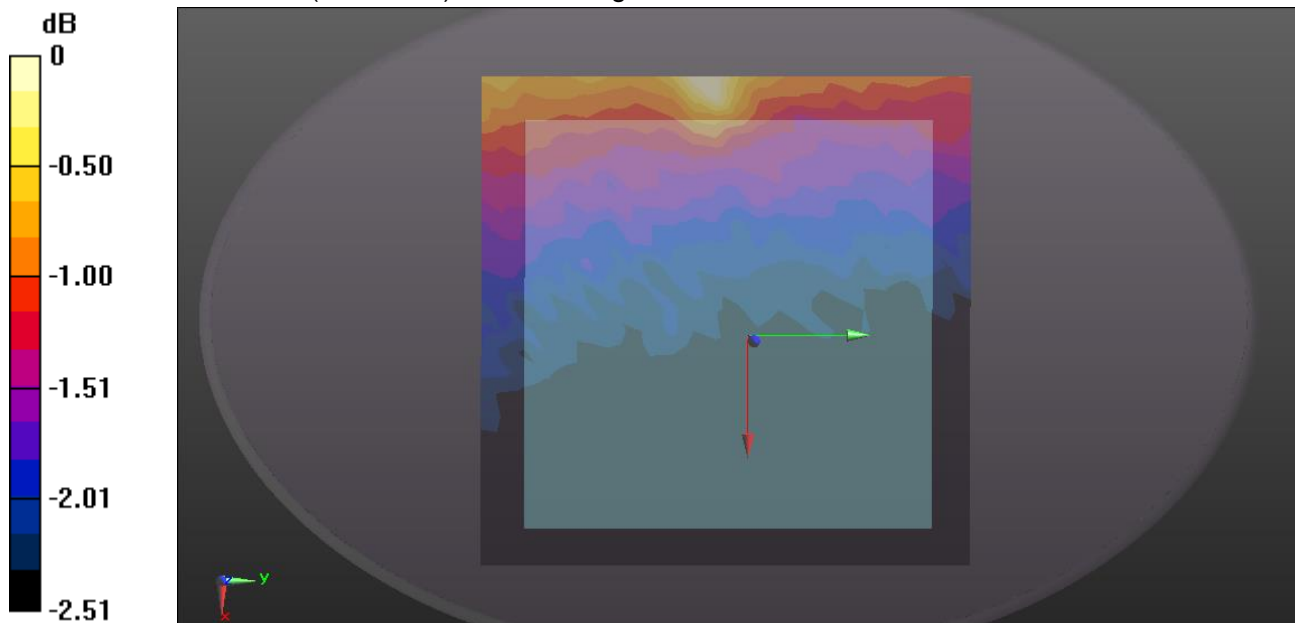
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.46, 4.46, 4.46); Calibrated: 7/27/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/17/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS2 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Body Front CH36 Scan1/Area Scan (24x24x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.589 W/kg



0 dB = 0.589 W/kg = -2.30 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 3/12/2019

**WIFI 802.11a -Body Front CH36 Scan2****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5180 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.298$  S/m;  $\epsilon_r = 49.225$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

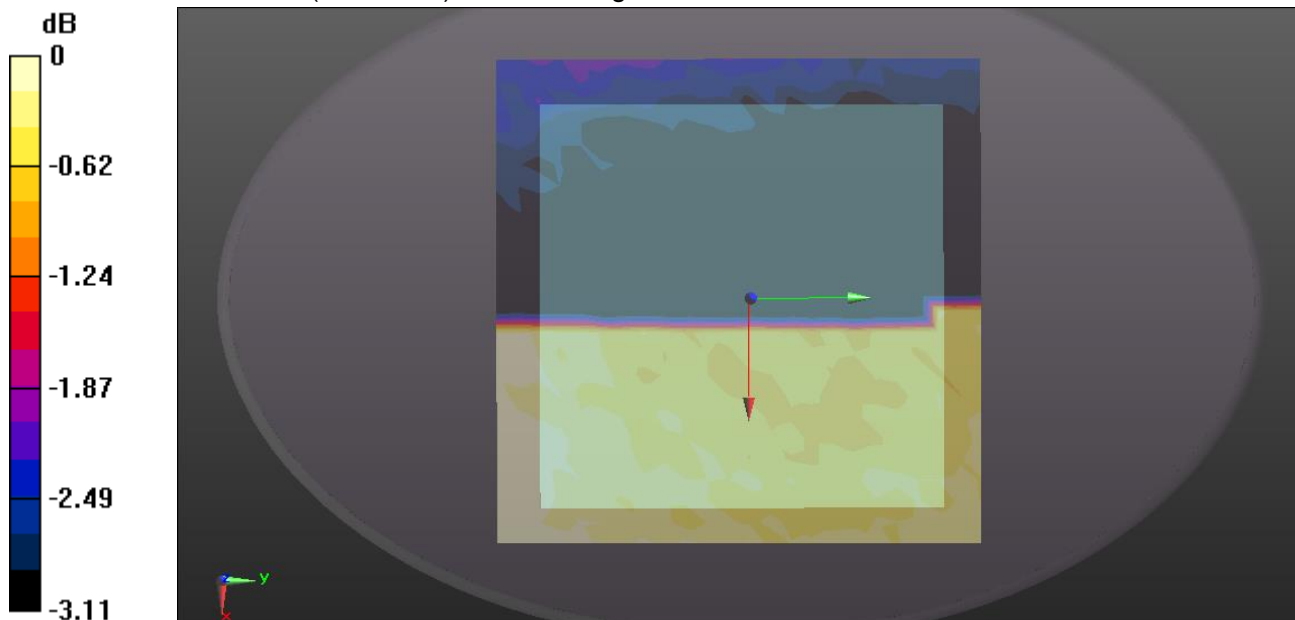
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.46, 4.46, 4.46); Calibrated: 7/27/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/17/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Body Front CH36 Scan2/Area Scan (24x24x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.097 W/kg



0 dB = 0.397 W/kg = -4.01 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 3/12/2019

**WIFI 802.11a -Body Front CH36 Scan3****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5180 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.298$  S/m;  $\epsilon_r = 49.225$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

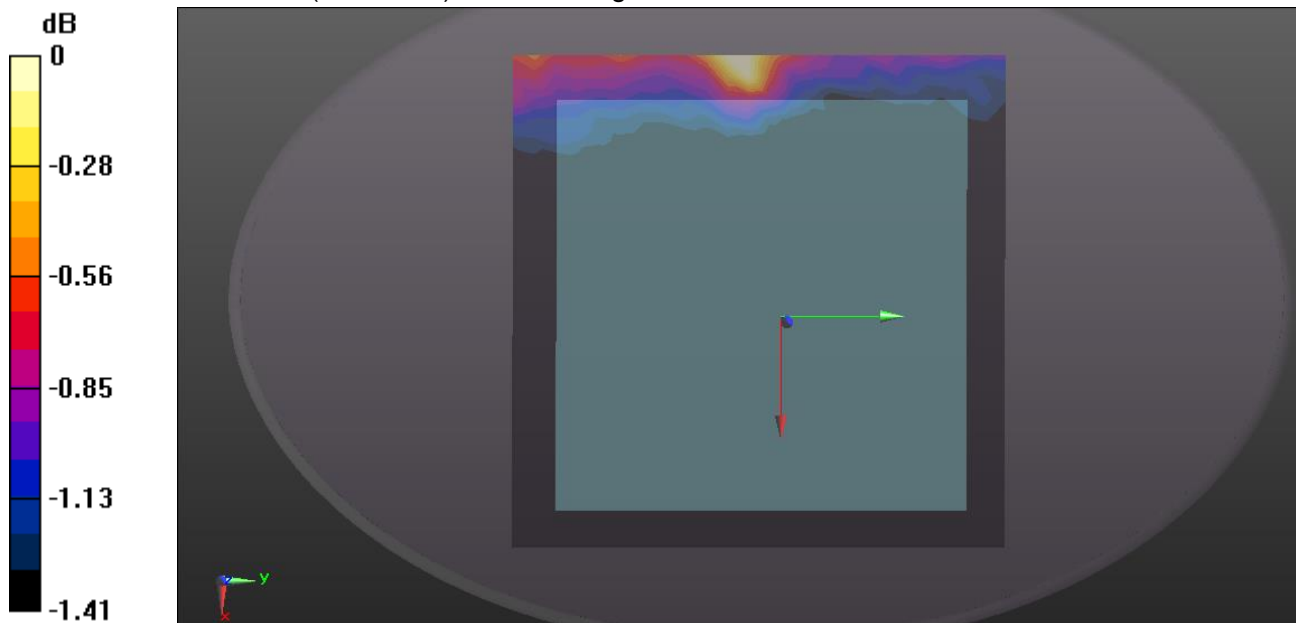
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.46, 4.46, 4.46); Calibrated: 7/27/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/17/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Body Front CH36 Scan3/Area Scan (24x24x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.457 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 3/12/2019

**WIFI 802.11a -Body Front CH36 Scan4****DUT: IRAY; Type: Mars1717XF-GSI,Mars1717XF-CSI; Serial: N/A**

Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5180 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.298 \text{ S/m}$ ;  $\epsilon_r = 49.225$ ;  $\rho = 1000 \text{ kg/m}^3$ Room Ambient Temperature:  $22^\circ\text{C}$ ; Liquid Temperature:  $21.5^\circ\text{C}$ 

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.46, 4.46, 4.46); Calibrated: 7/27/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/17/2018
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/Body Front CH36 Scan4/Area Scan (24x24x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$ Maximum value of SAR (measured) =  $0.045 \text{ W/kg}$ 