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Test Laboratory: Compliance Certification Services Inc.

Date: 8/17/2017

WiFi 802.11 b-Body Rear CH1 Chain0 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 2412$ MHz; $\sigma = 1.942$ S/m; $\epsilon_r = 51.548$; $\rho = 1000$ 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52 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=12mm, dy=12mm

Maximum value of SAR (measured) = 1.27 W/kg

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

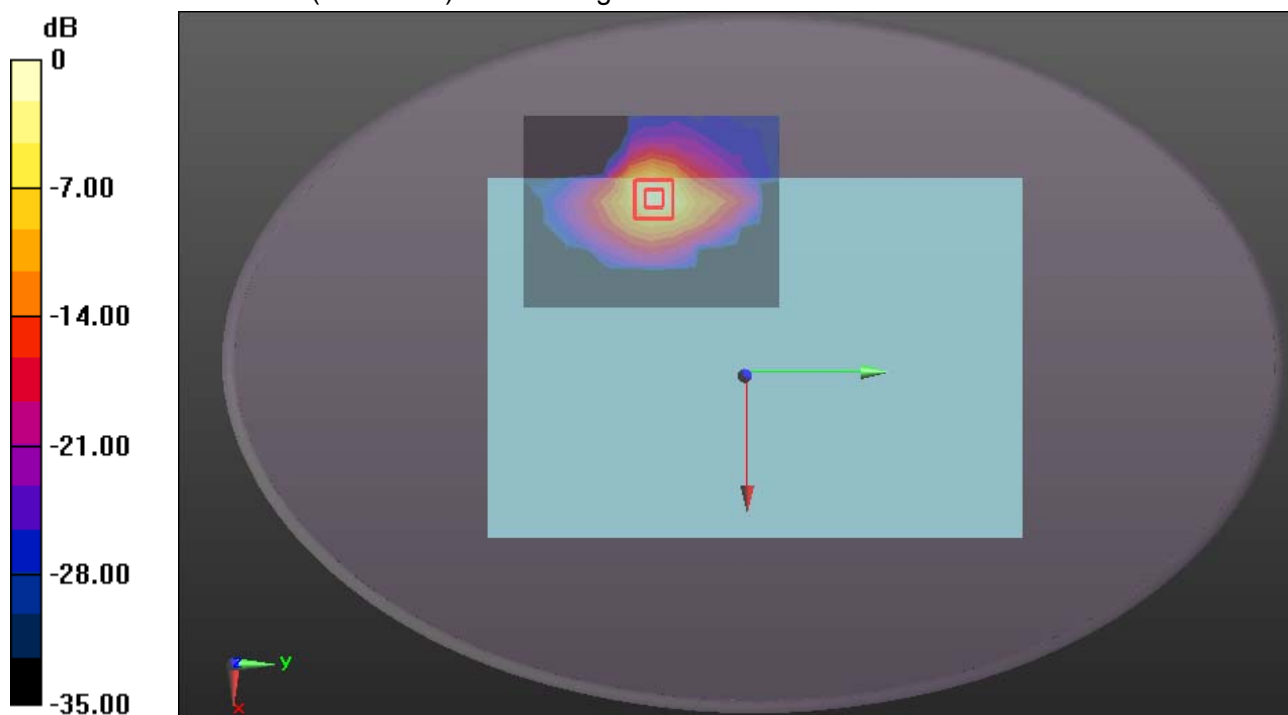
dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.526 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 0.953 W/kg; SAR(10 g) = 0.391 W/kg

Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.70 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/17/2017

WiFi 802.11 b-Body Rear CH1 Chain1 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 2437$ MHz; $\sigma = 1.945$ S/m; $\epsilon_r = 51.672$; $\rho = 1000$ 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi 2.4GHz/IEEE802.11b Body Rear CH1 Chain1/Area Scan (10x11x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.647 W/kg

WiFi 2.4GHz/IEEE802.11b Body Rear CH1 Chain1/Zoom Scan (7x7x5)/Cube 0: Measurement grid:

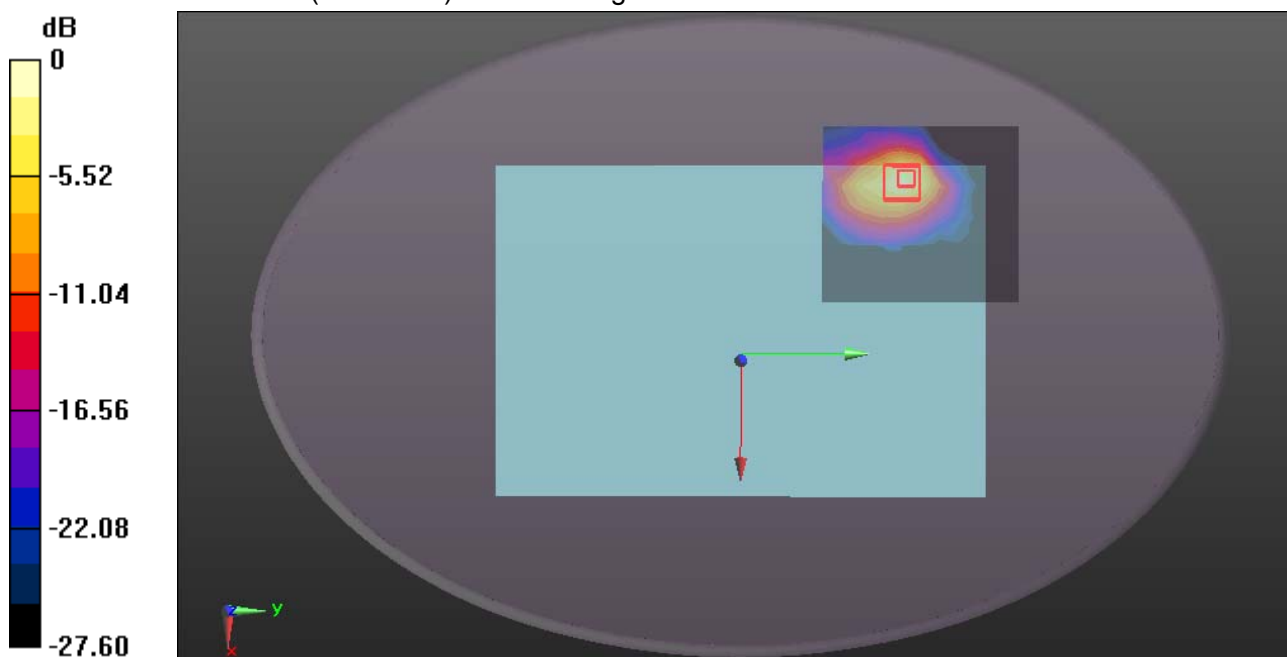
dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.678 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.772 W/kg



0 dB = 0.772 W/kg = -1.12 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/17/2017

WiFi 802.11 b-Body Rear CH1 Chain0 repeat INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 2437$ MHz; $\sigma = 1.945$ S/m; $\epsilon_r = 51.672$; $\rho = 1000$ 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 repeat/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.53 W/kg

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

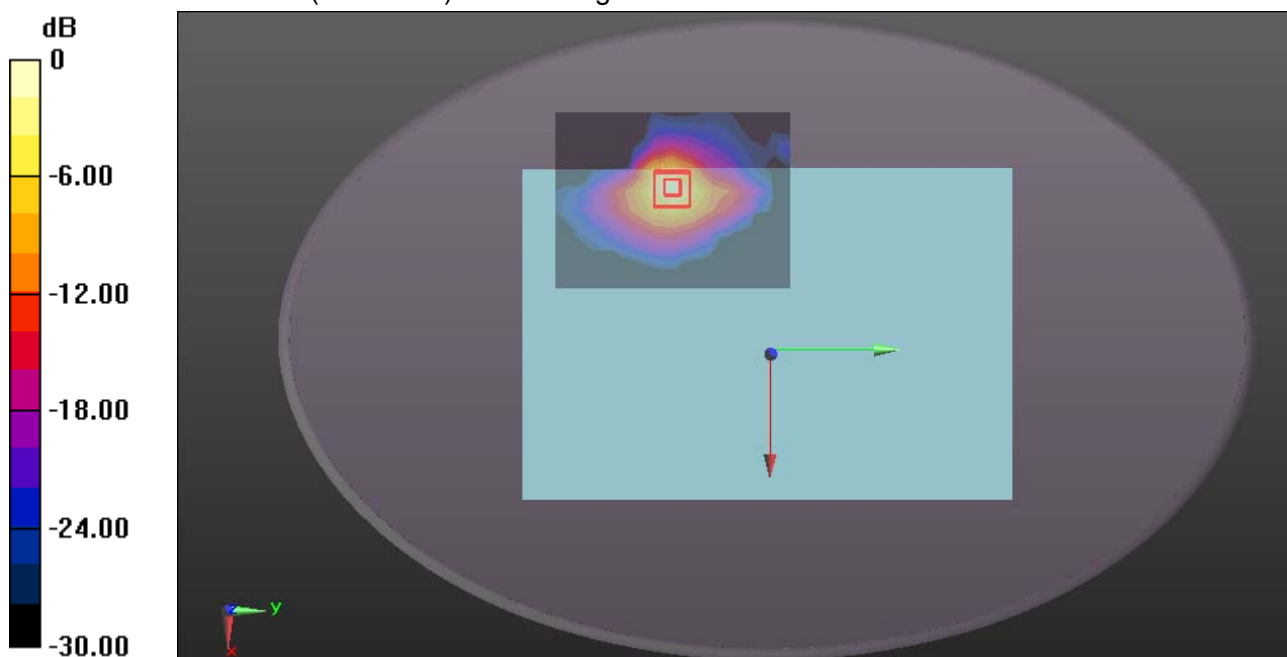
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.519 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.395 W/kg

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



0 dB = 1.47 W/kg = 1.67 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/17/2017

WiFi 802.11 b-Body Edge 1 CH6 Chain0 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 2412$ MHz; $\sigma = 1.942$ S/m; $\epsilon_r = 51.548$; $\rho = 1000$ 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi 2.4GHz/IEEE802.11b Body Edge 1 CH6 Chain0/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.157 W/kg

WiFi 2.4GHz/IEEE802.11b Body Edge 1 CH6 Chain0/Zoom Scan (7x7x5)/Cube 0: Measurement grid:

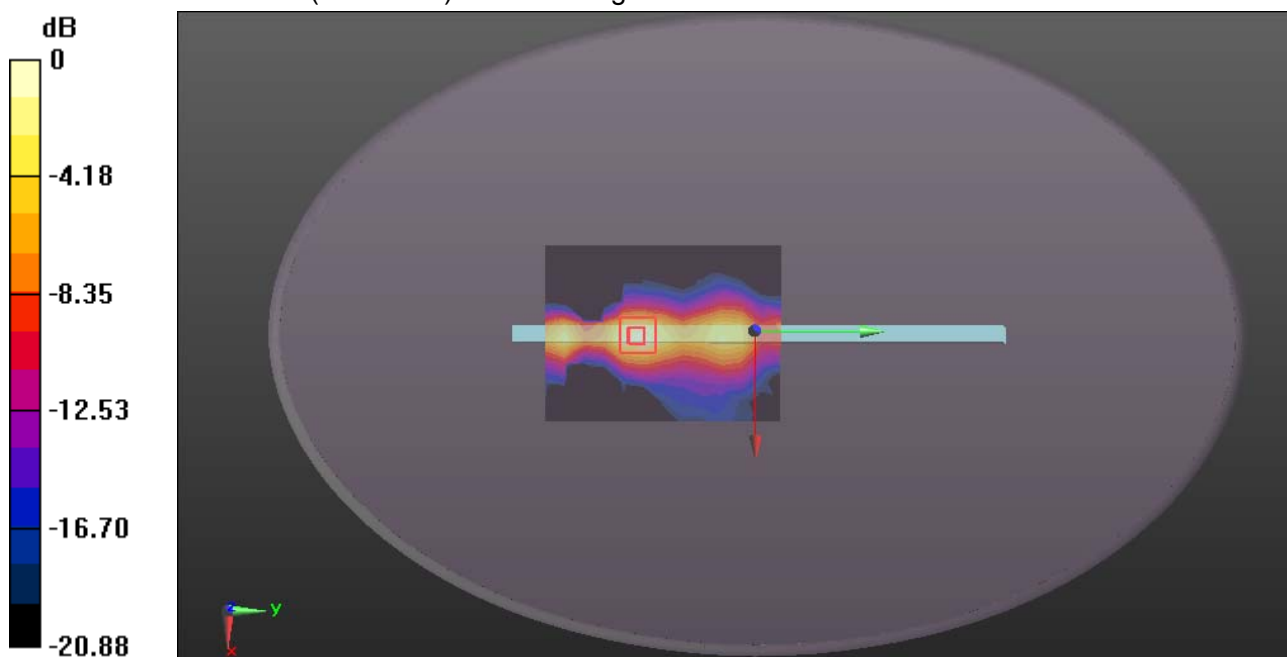
dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.038 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.054 W/kg

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.158 W/kg = -8.01 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/17/2017

WiFi 802.11 b-Body Edge 1 CH1 Chain1 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 2412$ MHz; $\sigma = 1.942$ S/m; $\epsilon_r = 51.548$; $\rho = 1000$ 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi 2.4GHz/IEEE802.11b Body Edge 1 CH1 Chain1/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.280 W/kg

WiFi 2.4GHz/IEEE802.11b Body Edge 1 CH1 Chain1/Zoom Scan (7x7x5)/Cube 0: Measurement grid:

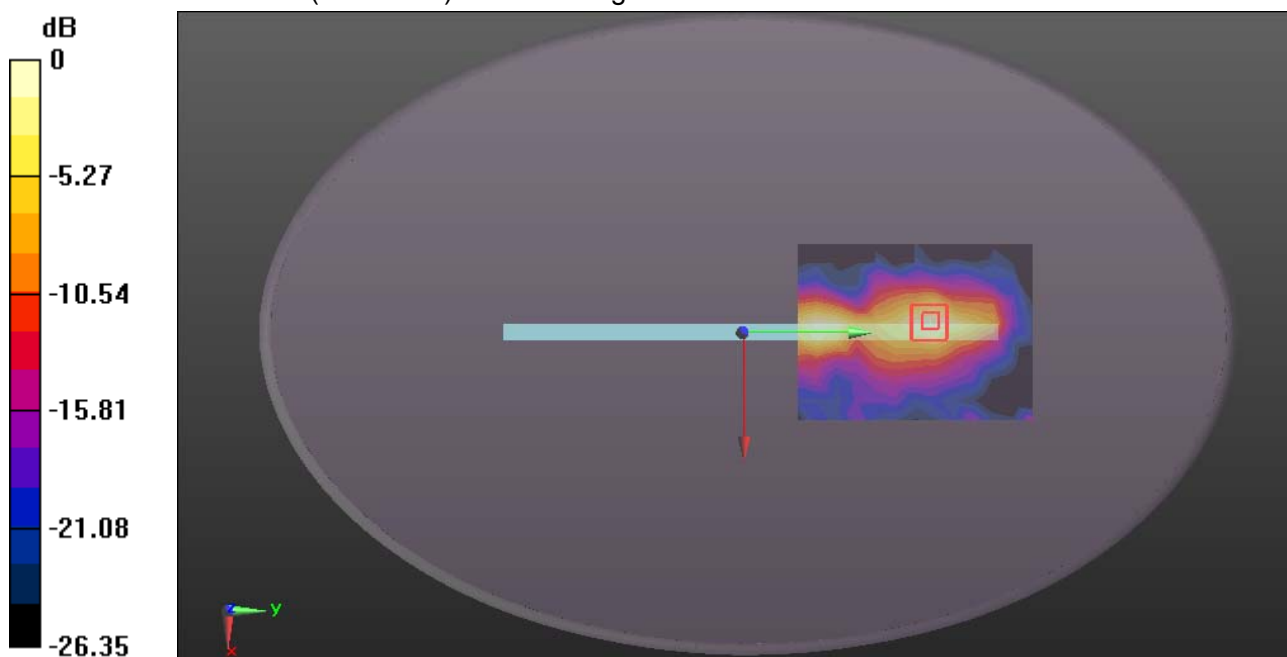
dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.487 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.247 W/kg



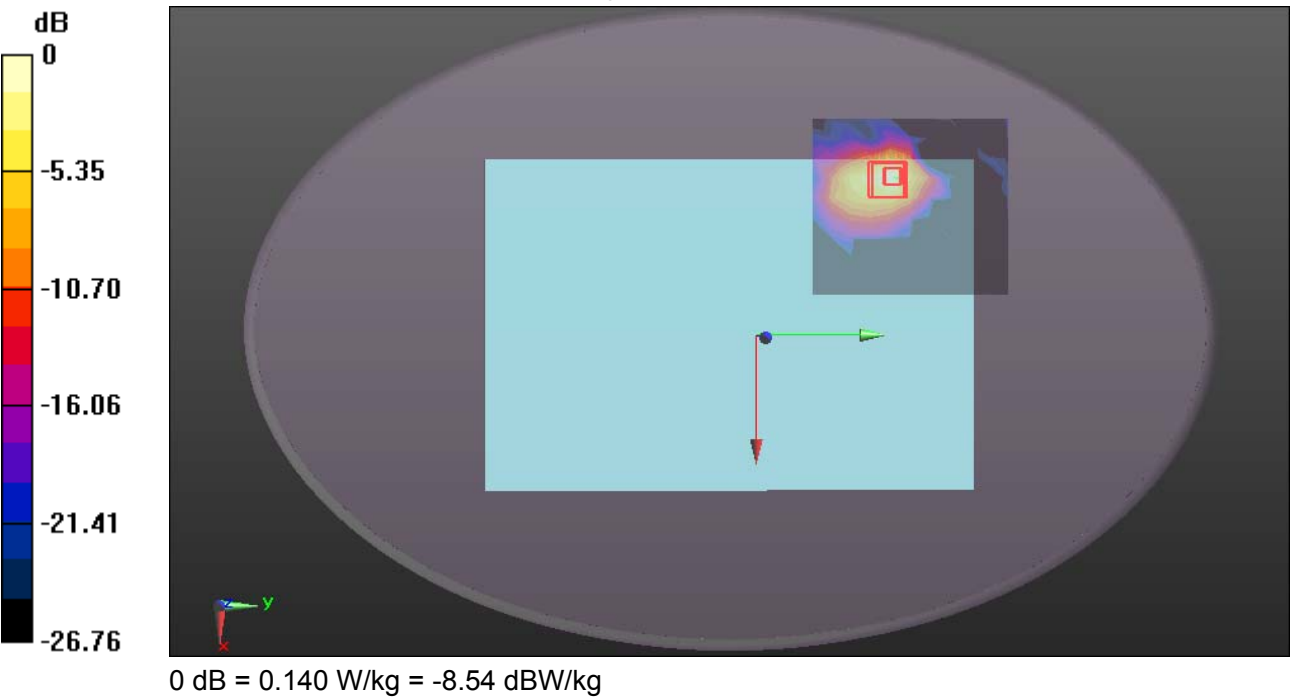
0 dB = 0.247 W/kg = -6.07 dBW/kg

Test Laboratory: Compliance Certification Services Inc.
Date: 8/17/2017
2.4GHz -Body Rear CH39 Chain1 South Star antenna
DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A
Communication System: UID 0, Bluetooth (0); Communication System Band: ISM 2.4Ghz Band;
Frequency: 2441 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2441 MHz; σ = 1.944 S/m; ϵ_r = 51.678; ρ = 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

2.4GHz/Body Rear CH39 Chain1/Area Scan (10x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.153 W/kg

2.4GHz/Body Rear CH39 Chain1/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.127 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.198 W/kg
SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.038 W/kg
Maximum value of SAR (measured) = 0.140 W/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 8/17/2017

2.4GHz -Body Edge 1 CH39 Chain1 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

Communication System: UID 0, Bluetooth (0); Communication System Band: ISM 2.4Ghz Band;

Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.944$ S/m; $\epsilon_r = 51.678$; $\rho = 1000$ 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

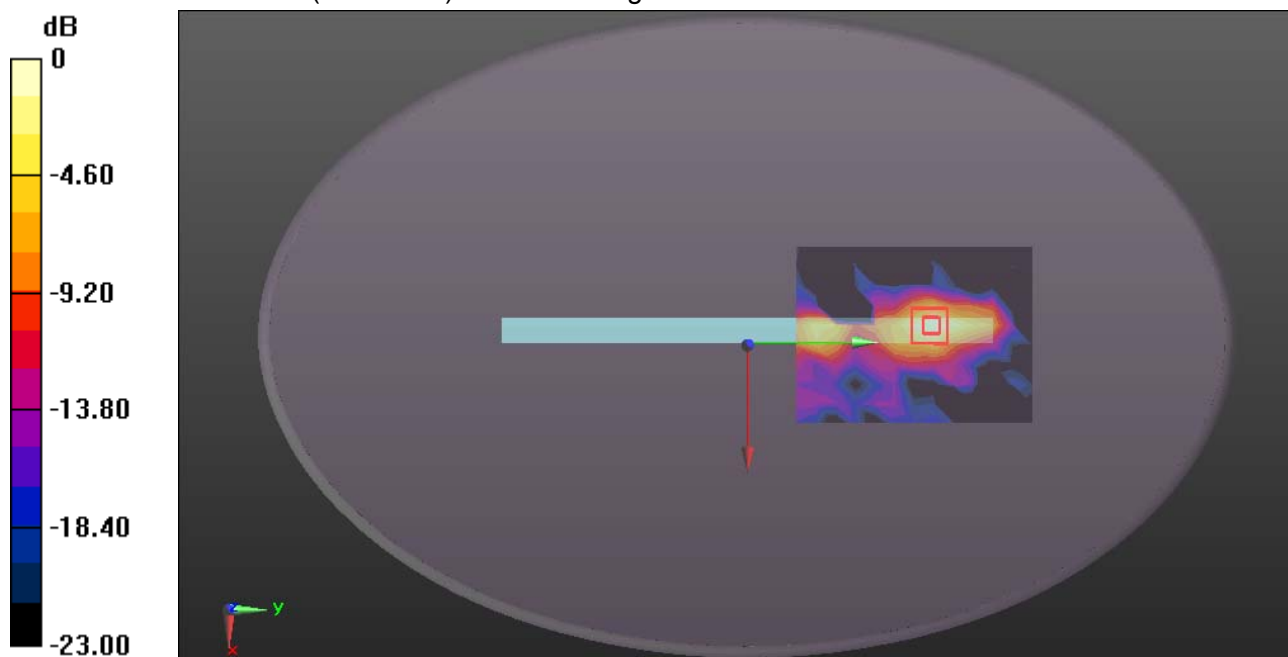
2.4GHz/Body Edge 1 CH39 Chain1/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0556 W/kg**2.4GHz/Body Edge 1 CH39 Chain1/Zoom Scan (7x7x5)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.1130 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.0650 W/kg

SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0471 W/kg



0 dB = 0.0471 W/kg = -13.27 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH56 Chain0 INPAQ antenna

DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A

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: $f = 5280 \text{ MHz}$; $\sigma = 5.209 \text{ S/m}$; $\epsilon_r = 47.305$; $\rho = 1000 \text{ kg/m}^3$

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(4.67, 4.67, 4.67); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH56 Chain0/Area Scan (10x13x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

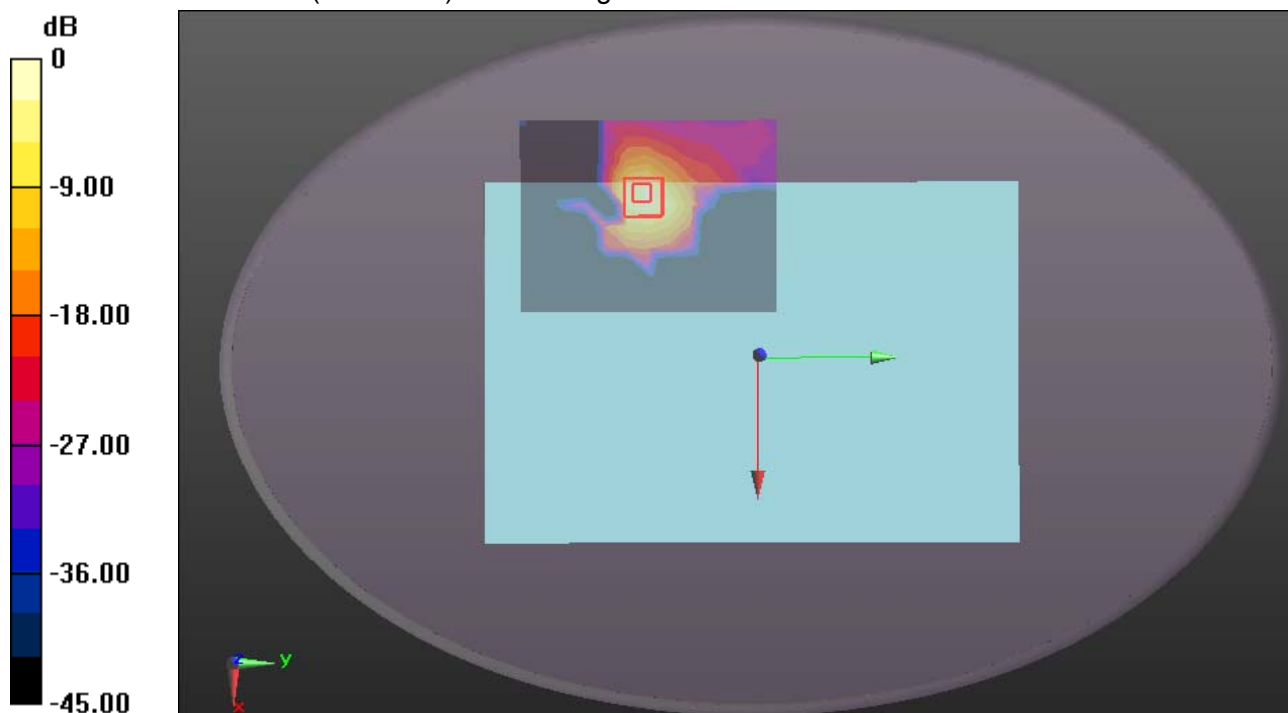
WIFI/IEEE802.11a Body Rear CH56 Chain0/Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 7.515 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 4.99 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 2.82 W/kg



0 dB = 2.82 W/kg = 4.50 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH56 Chain1 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 5280$ MHz; $\sigma = 5.209$ S/m; $\epsilon_r = 47.305$; $\rho = 1000$ 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(4.67, 4.67, 4.67); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH56 Chain1/Area Scan (10x12x1): Measurement grid: dx=12mm, dy=12mm

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

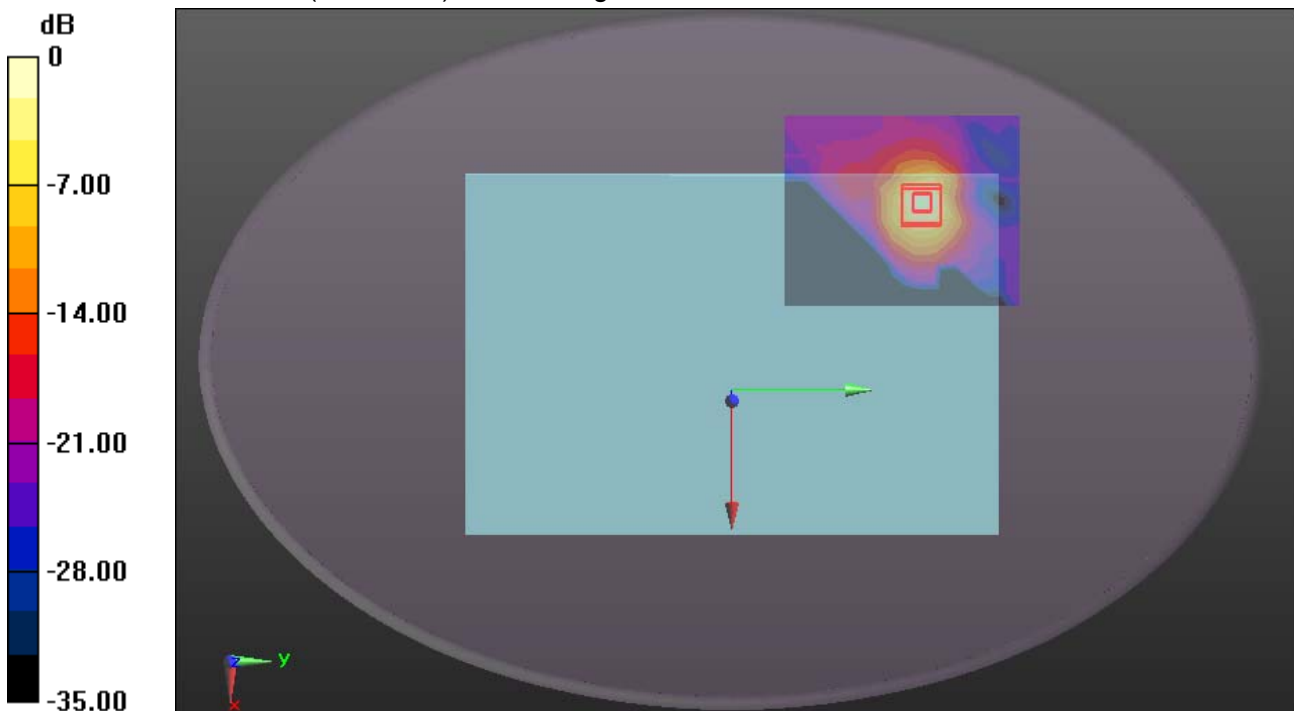
WIFI/IEEE802.11a Body Rear CH56 Chain1/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.016 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.44 W/kg

SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg = 2.72 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

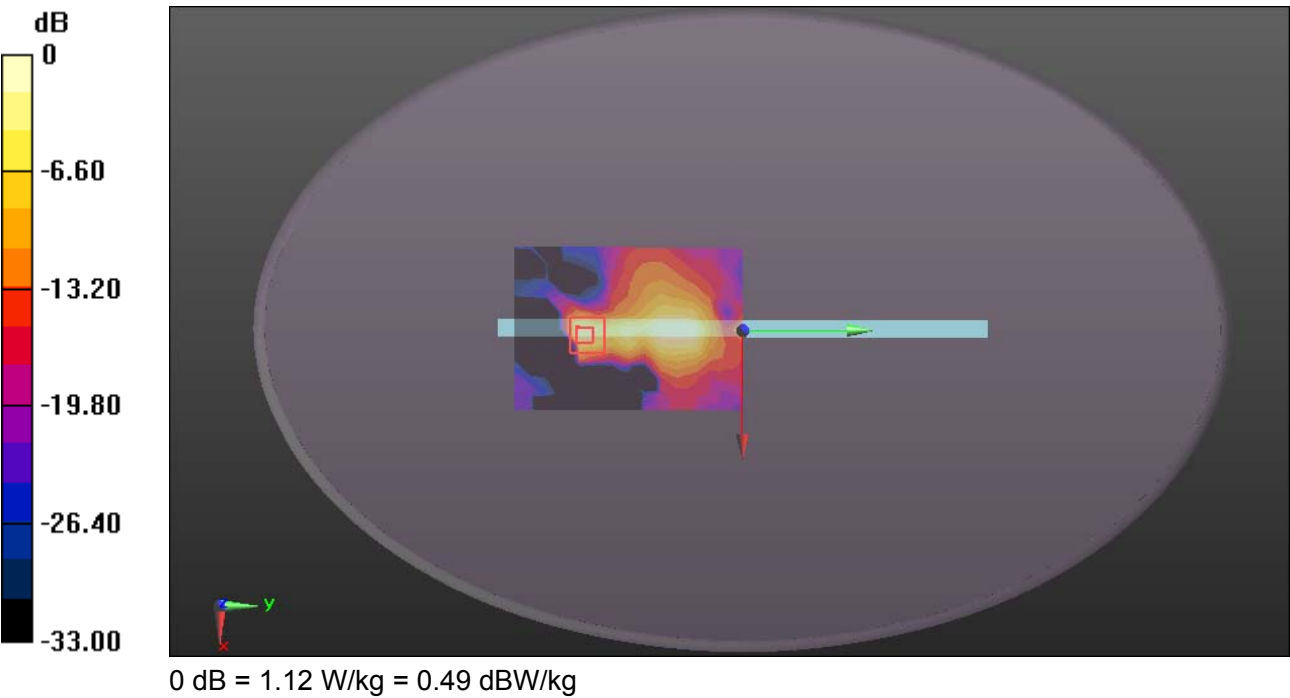
Date: 8/21/2017

WIFI 802.11 a-Body Edge 1 CH56 Chain0 INPAQ antenna
DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A
 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: $f = 5280 \text{ MHz}$; $\sigma = 5.209 \text{ S/m}$; $\epsilon_r = 47.305$; $\rho = 1000 \text{ kg/m}^3$
 Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
 Phantom section: Flat Section
 Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)
 DASYS Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.67, 4.67, 4.67); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 Chain0/Area Scan (11x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (measured) = 1.12 W/kg

WIFI/IEEE802.11a Body Edge 1 CH56 Chain0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$
 Reference Value = 5.239 V/m; Power Drift = -0.09 dB
 Peak SAR (extrapolated) = 4.16 W/kg
SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.086 W/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Edge 1 CH56 Chain1 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 5280 \text{ MHz}$; $\sigma = 5.209 \text{ S/m}$; $\epsilon_r = 47.305$; $\rho = 1000 \text{ kg/m}^3$

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(4.67, 4.67, 4.67); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 (10x13x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.11 W/kg

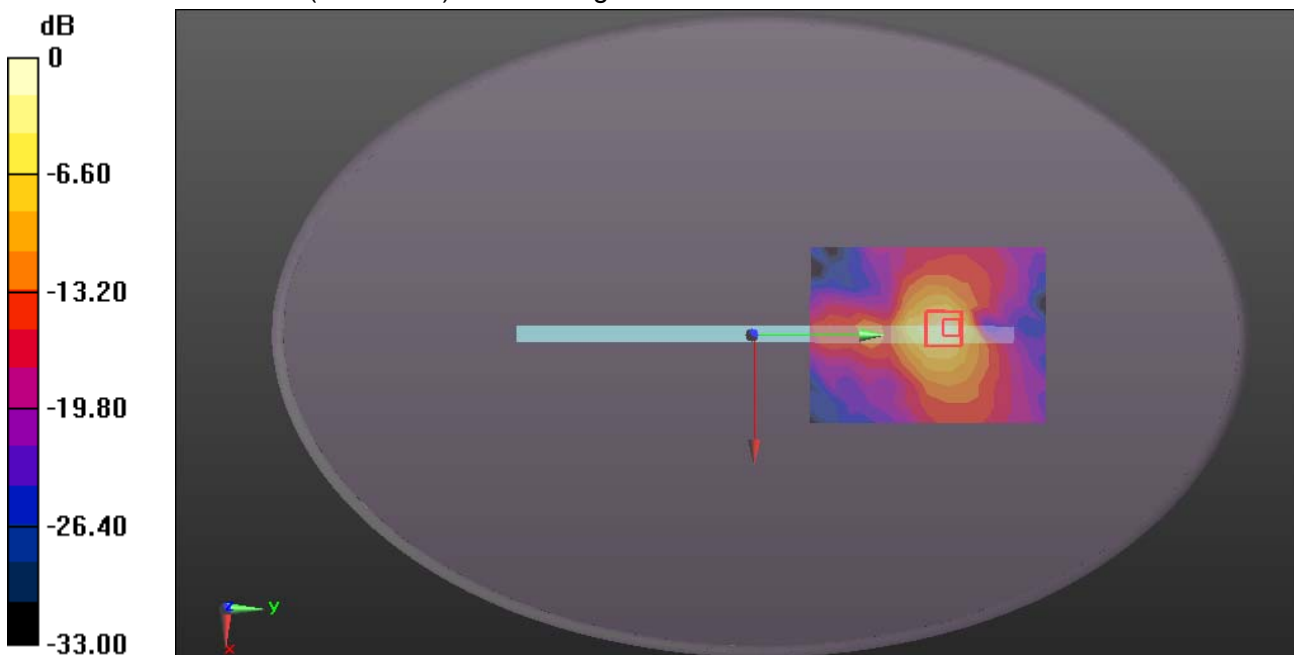
WIFI/IEEE802.11a Body Edge 1 CH56 Chain1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 7.521 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.137 W/kg

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



0 dB = 1.13 W/kg = 0.53 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH56 Chain0 repeat INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 5280$ MHz; $\sigma = 5.209$ S/m; $\epsilon_r = 47.305$; $\rho = 1000$ 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(4.67, 4.67, 4.67); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH56 Chain0 repeat/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

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

WIFI/IEEE802.11a Body Rear CH56 Chain0 repeat/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

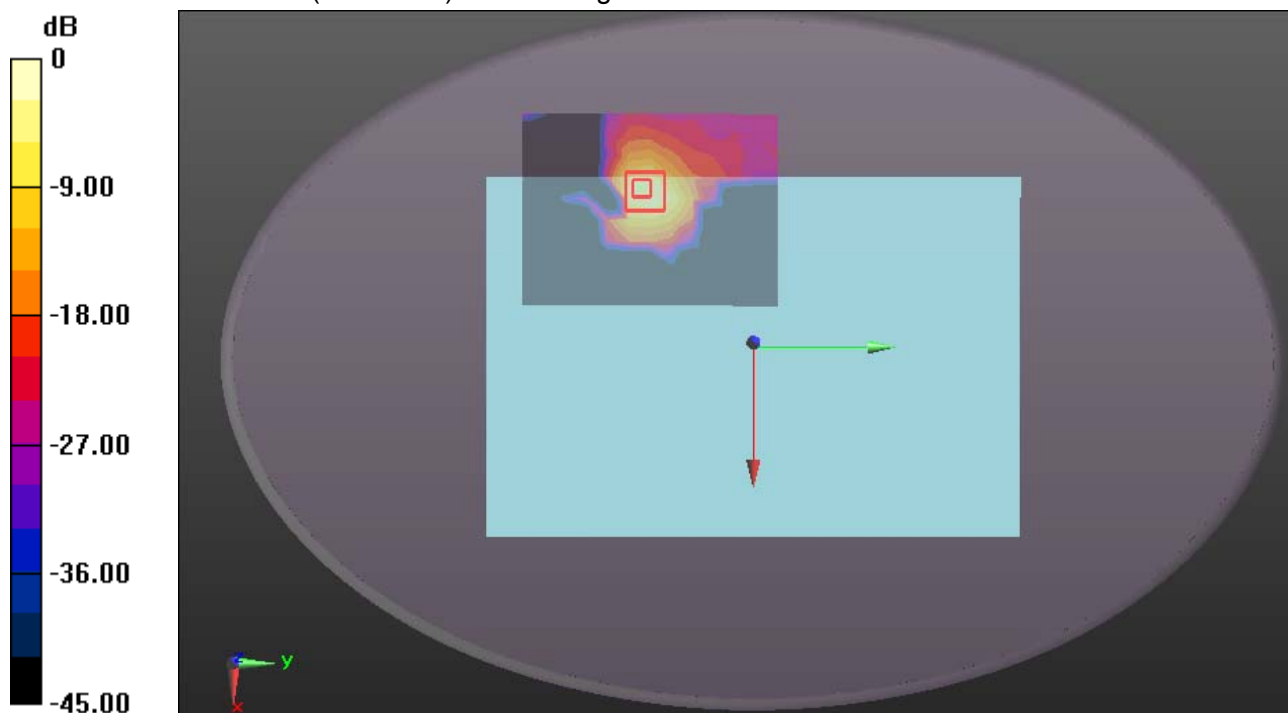
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.696 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.00 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 2.90 W/kg



0 dB = 2.90 W/kg = 4.62 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH100 Chain0 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 5500 \text{ MHz}$; $\sigma = 5.502 \text{ S/m}$; $\epsilon_r = 46.821$; $\rho = 1000 \text{ kg/m}^3$

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(4.26, 4.26, 4.26); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH100 Chain0/Area Scan (10x13x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 2.18 W/kg

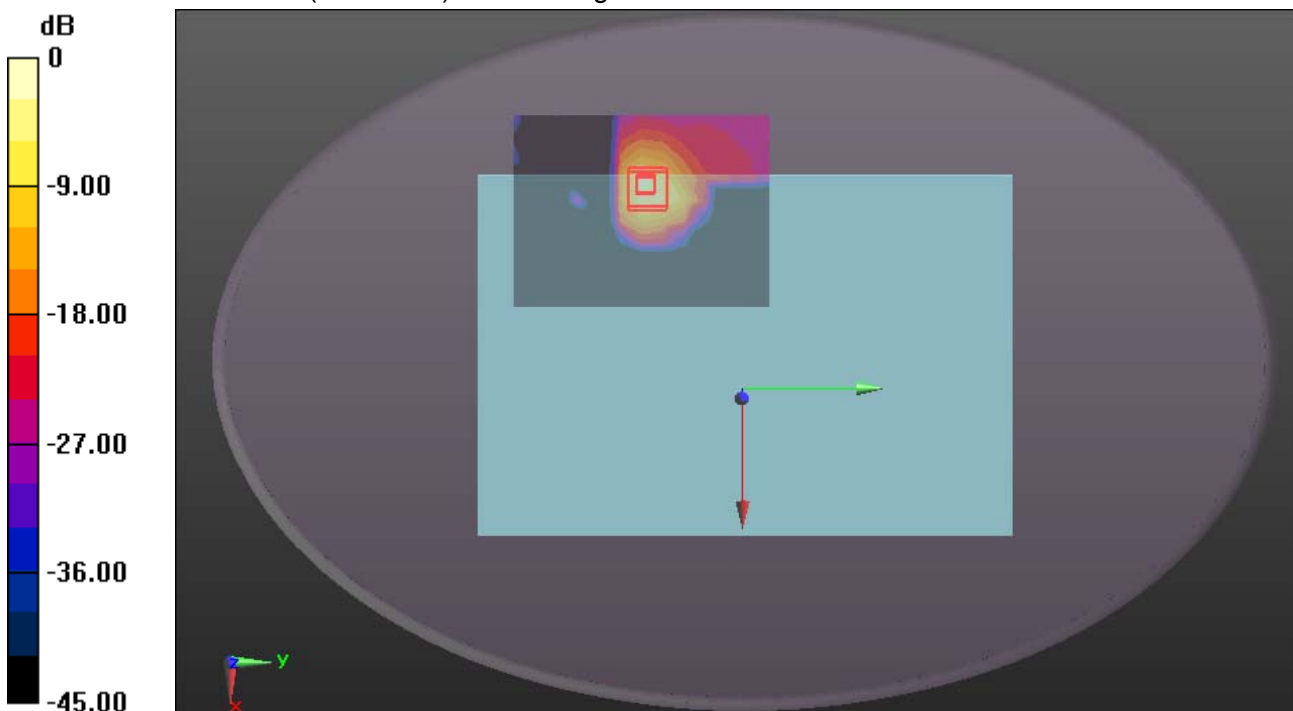
WIFI/IEEE802.11a Body Rear CH100 Chain0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 7.511 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.00 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.266 W/kg

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



0 dB = 2.86 W/kg = 4.56 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH128 Chain1 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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

Frequency: 5640 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5640$ MHz; $\sigma = 5.694$ S/m; $\epsilon_r = 46.503$; $\rho = 1000$ 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(4.18, 4.18, 4.18); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH128 Chain1/Area Scan (10x12x1): Measurement grid: dx=12mm, dy=12mm

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

WIFI/IEEE802.11a Body Rear CH128 Chain1/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

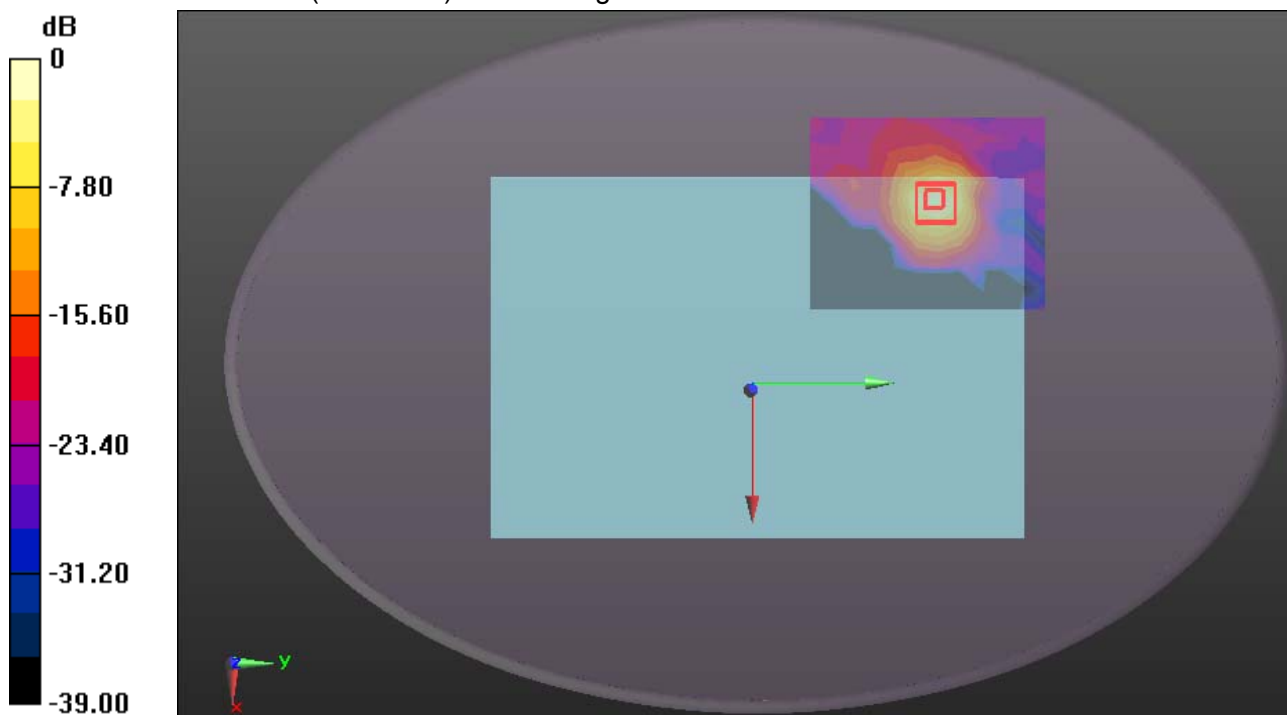
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.415 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 0.765 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 1.98 W/kg



0 dB = 1.98 W/kg = 2.97 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH100 Chain0 repeat INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 5500$ MHz; $\sigma = 5.502$ S/m; $\epsilon_r = 46.821$; $\rho = 1000$ 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(4.26, 4.26, 4.26); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH100 Chain0 repeat/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

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

WIFI/IEEE802.11a Body Rear CH100 Chain0 repeat/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

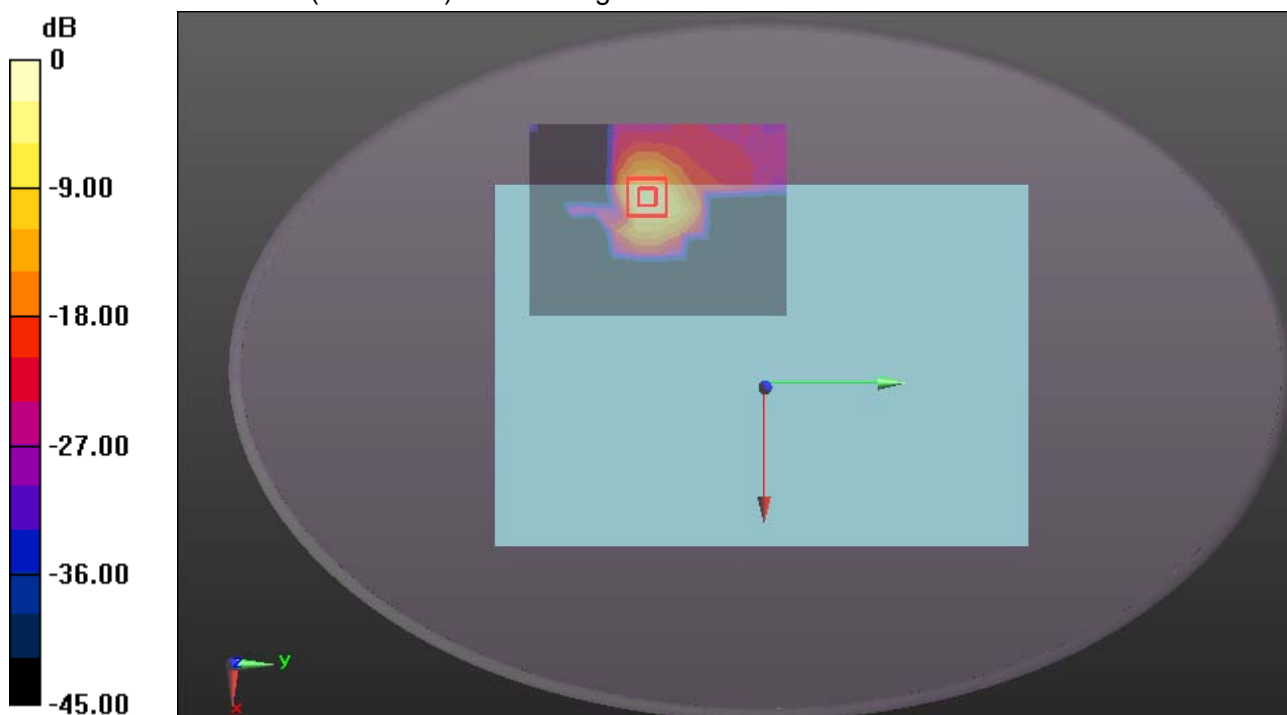
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.262 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.21 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 2.98 W/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Edge 1 CH100 Chain0 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 5500$ MHz; $\sigma = 5.502$ S/m; $\epsilon_r = 46.821$; $\rho = 1000$ 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(4.26, 4.26, 4.26); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH100 Chain0/Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.30 W/kg

WIFI/IEEE802.11a Body Edge 1 CH100 Chain0/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

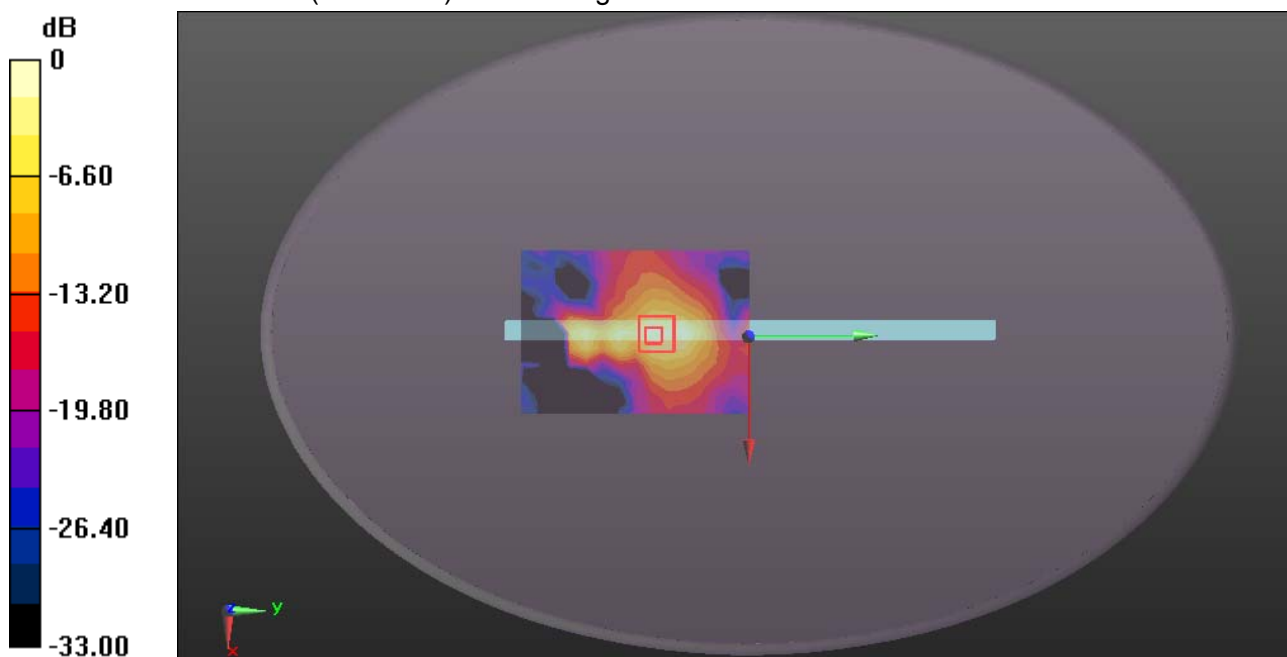
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.562 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

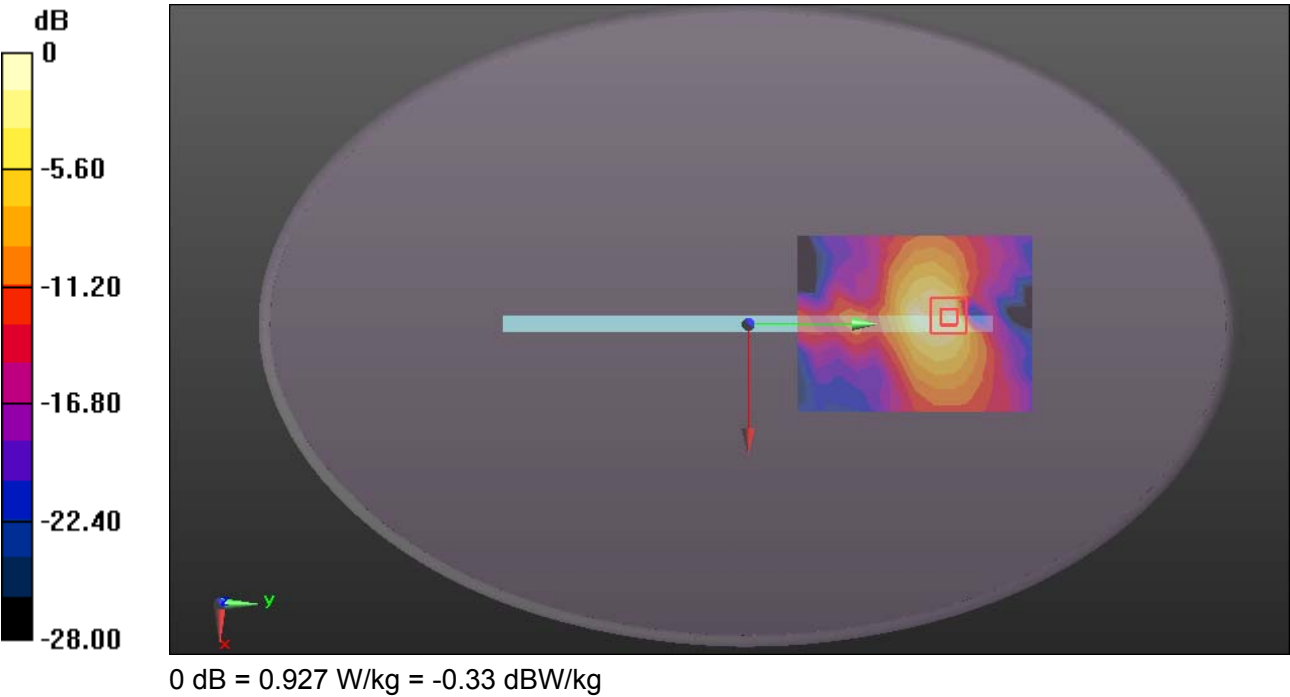
WIFI 802.11 a-Body Edge 1 CH116 Chain1 South Star antenna
DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A
 Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band III;
 Frequency: 5640 MHz;Duty Cycle: 1:1
 Medium parameters used: $f = 5640 \text{ MHz}$; $\sigma = 5.694 \text{ S/m}$; $\epsilon_r = 46.503$; $\rho = 1000 \text{ kg/m}^3$
 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(4.18, 4.18, 4.18); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH116 Chain1/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.824 W/kg

WIFI/IEEE802.11a Body Edge 1 CH116 Chain1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
 Reference Value = 7.869V/m; Power Drift = -0.17 dB
 Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.927 W/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH165 Chain0 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; 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: $f = 5825$ MHz; $\sigma = 5.968$ S/m; $\epsilon_r = 46.092$; $\rho = 1000$ 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(4.45, 4.45, 4.45); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH165 Chain0/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.23 W/kg

WIFI/IEEE802.11a Body Rear CH165 Chain0/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

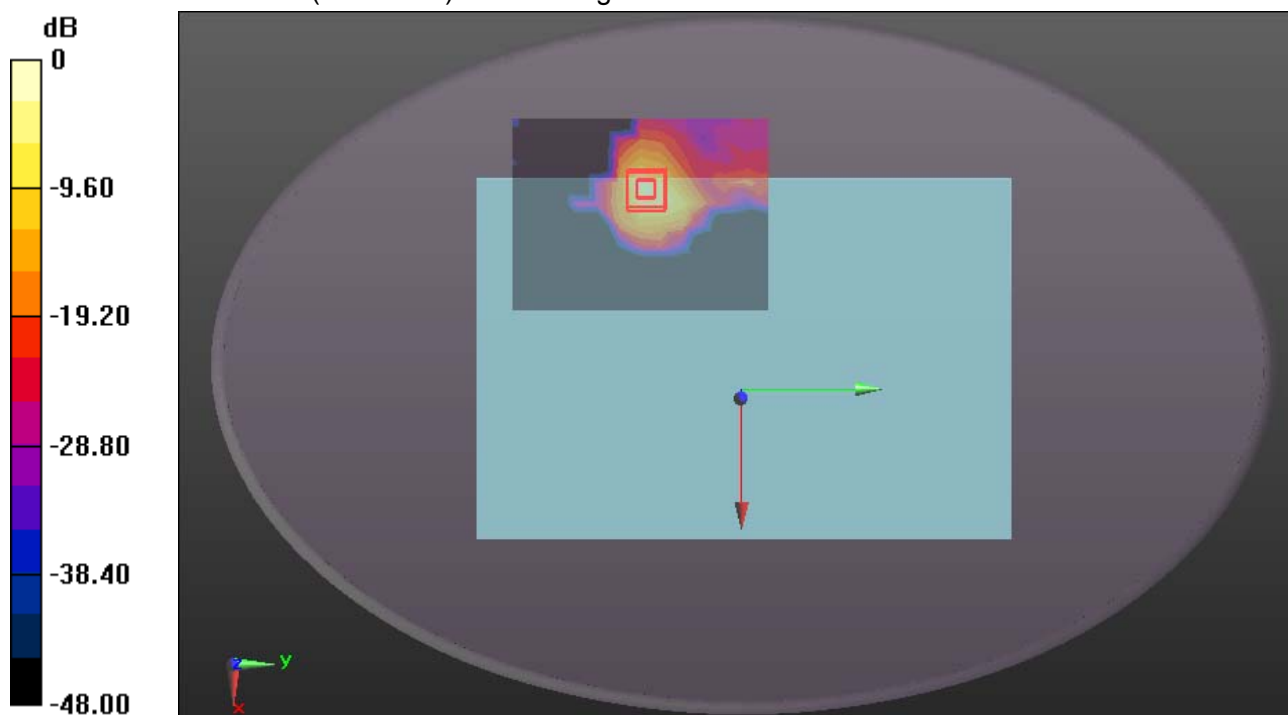
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.957 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 6.06 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 3.14 W/kg



0 dB = 3.14 W/kg = 4.97 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH149 Chain1 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; 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: $f = 5745$ MHz; $\sigma = 5.837$ S/m; $\epsilon_r = 46.273$; $\rho = 1000$ 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(4.45, 4.45, 4.45); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH149 Chain1/Area Scan (10x12x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.793 W/kg

WIFI/IEEE802.11a Body Rear CH149 Chain1/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

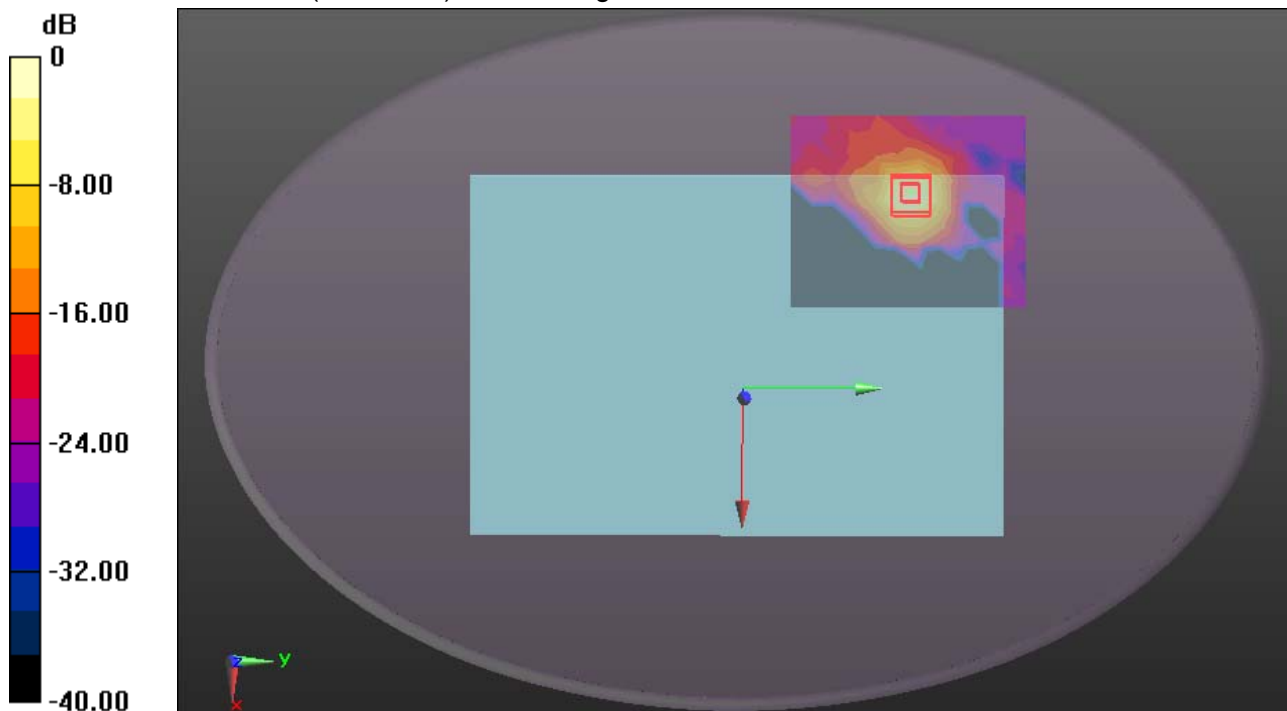
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.012 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH165 Chain0 repeat South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; 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: $f = 5825$ MHz; $\sigma = 5.968$ S/m; $\epsilon_r = 46.092$; $\rho = 1000$ 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(4.45, 4.45, 4.45); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH165 Chain0 repeat/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.89 W/kg

WIFI/IEEE802.11a Body Rear CH165 Chain0 repeat/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

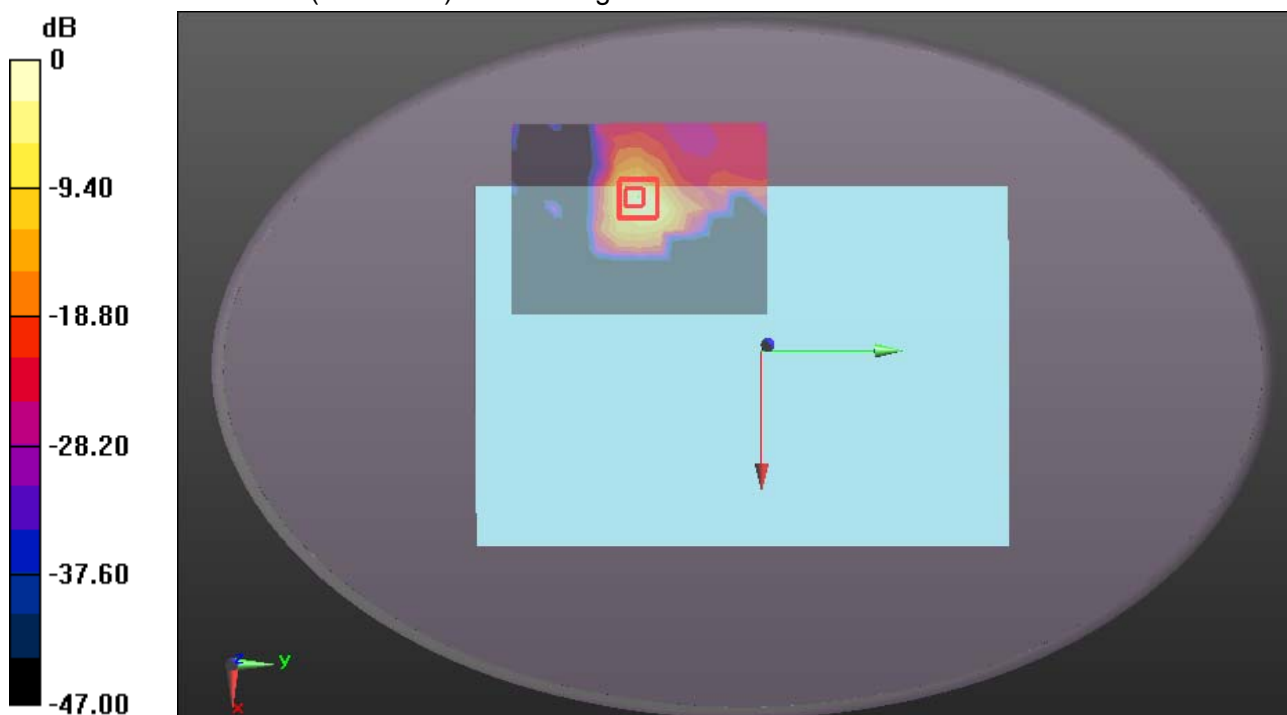
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.128 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.21 W/kg

SAR(1 g) = 1.10 W/kg; SAR(10 g) = 0.303 W/kg

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



0 dB = 3.28 W/kg = 5.16 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Edge 1 CH149 Chain0 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; 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: $f = 5825 \text{ MHz}$; $\sigma = 5.968 \text{ S/m}$; $\epsilon_r = 46.092$; $\rho = 1000 \text{ kg/m}^3$

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(4.45, 4.45, 4.45); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH149 Chain0/Area Scan (11x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.88 W/kg

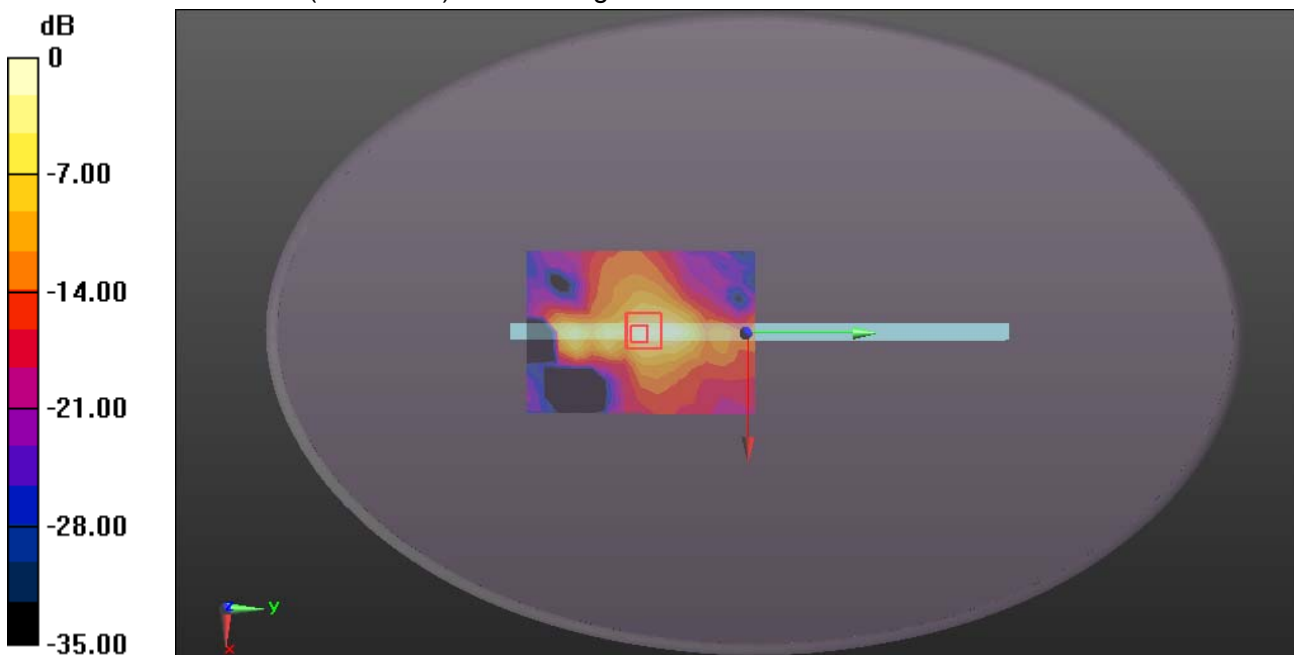
WIFI/IEEE802.11a Body Edge 1 CH149 Chain0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 4.283 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.59 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 1.90 W/kg



0 dB = 1.90 W/kg = 2.79 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Edge 1 CH149 Chain1 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; 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: $f = 5745$ MHz; $\sigma = 5.837$ S/m; $\epsilon_r = 46.273$; $\rho = 1000$ 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(4.45, 4.45, 4.45); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH149 Chain1/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.789 W/kg

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

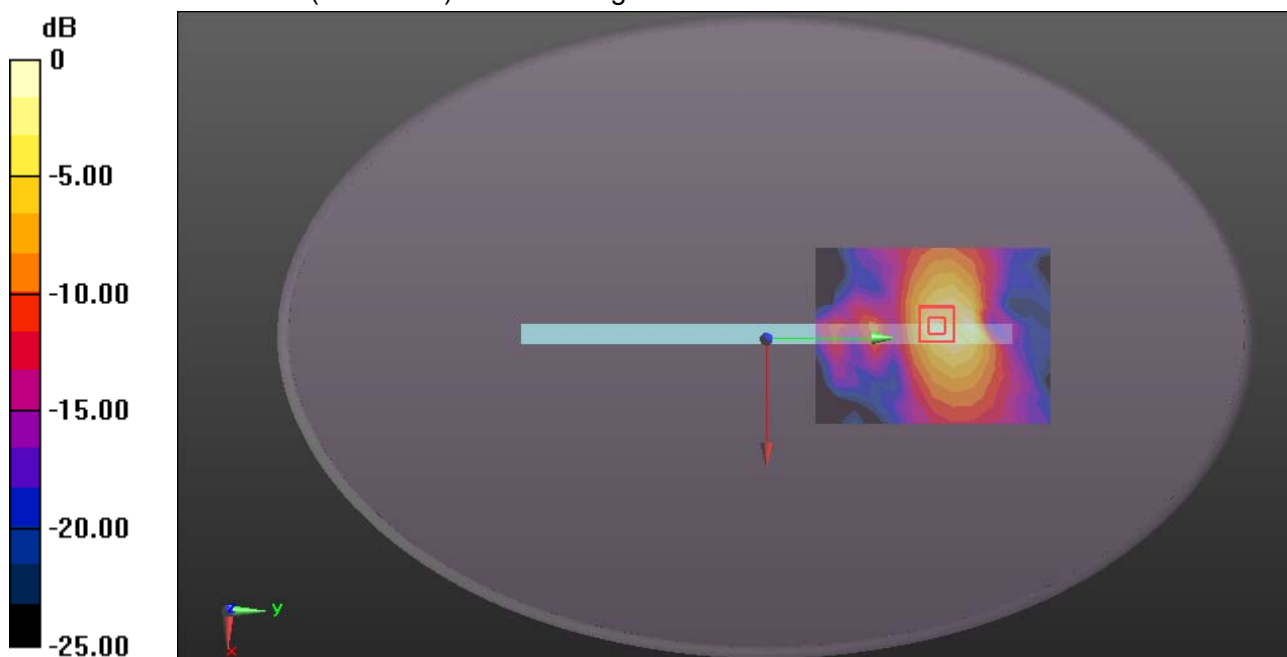
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.026 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.806 W/kg



0 dB = 0.806 W/kg = -0.94 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/17/2017

WiFi 802.11 b-Body Rear CH1 Chain0 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 2412 \text{ MHz}$; $\sigma = 1.942 \text{ S/m}$; $\epsilon_r = 51.548$; $\rho = 1000 \text{ kg/m}^3$

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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52 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=12mm, dy=12mm

Maximum value of SAR (measured) = 1.27 W/kg

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

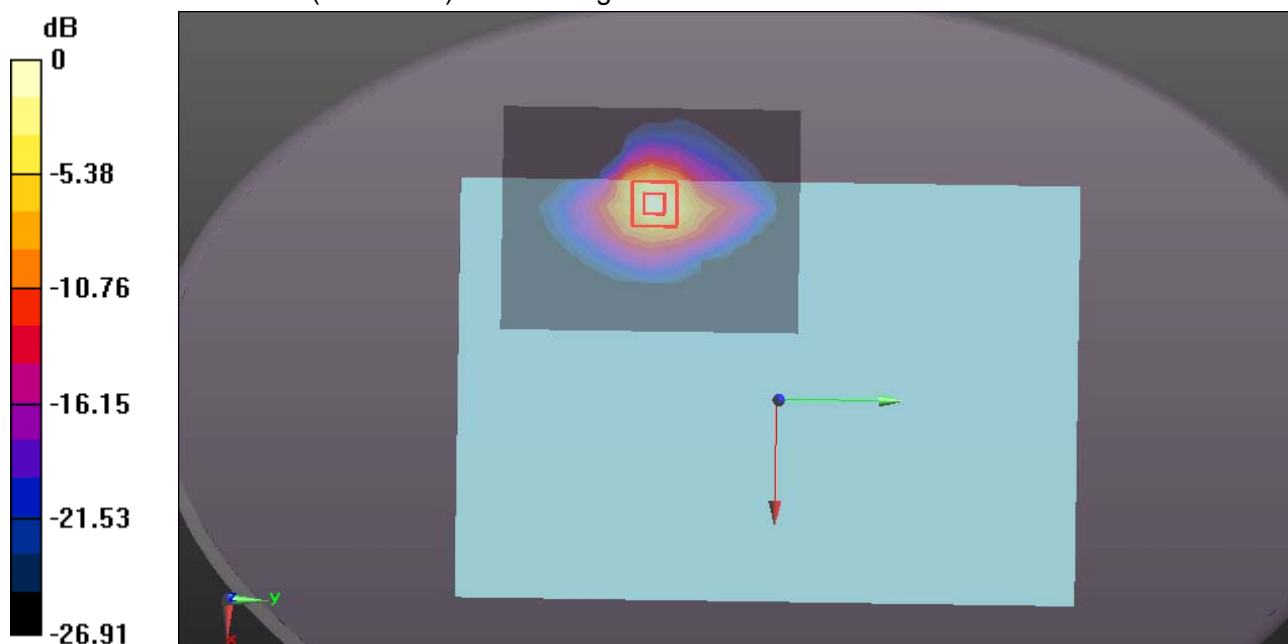
dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.517 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.351 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: 8/17/2017

WiFi 802.11 b-Body Rear CH1 Chain1 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 2437$ MHz; $\sigma = 1.945$ S/m; $\epsilon_r = 51.672$; $\rho = 1000$ 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH1 Chain1/Area Scan (10x11x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.612 W/kg

WiFi 2.4GHz/IEEE802.11b Body Rear CH1 Chain1/Zoom Scan (7x7x5)/Cube 0: Measurement grid:

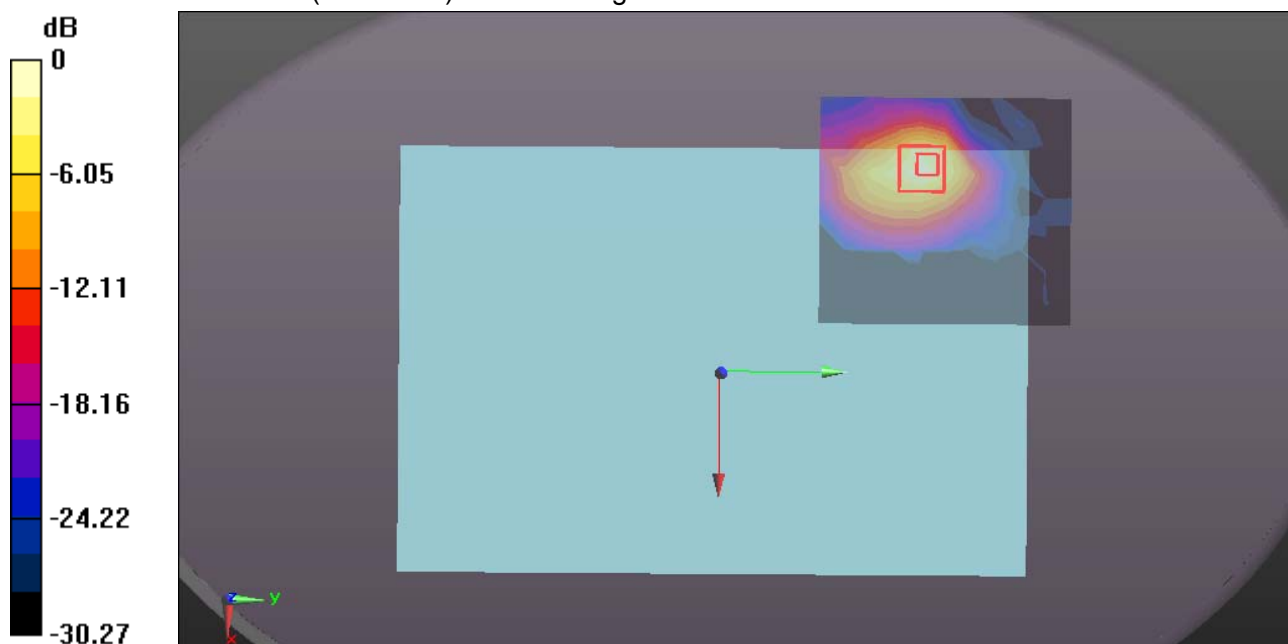
dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.517 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.95 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 0.694 W/kg



0 dB = 0.694 W/kg = -1.59 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/17/2017

2.4GHz -Body Rear CH39 Chain1 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

Communication System: UID 0, Bluetooth (0); Communication System Band: ISM 2.4Ghz Band;

Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.944$ S/m; $\epsilon_r = 51.678$; $\rho = 1000$ 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(7.32, 7.32, 7.32); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

2.4GHz/Body Rear CH39 Chain1/Area Scan (10x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.141 W/kg

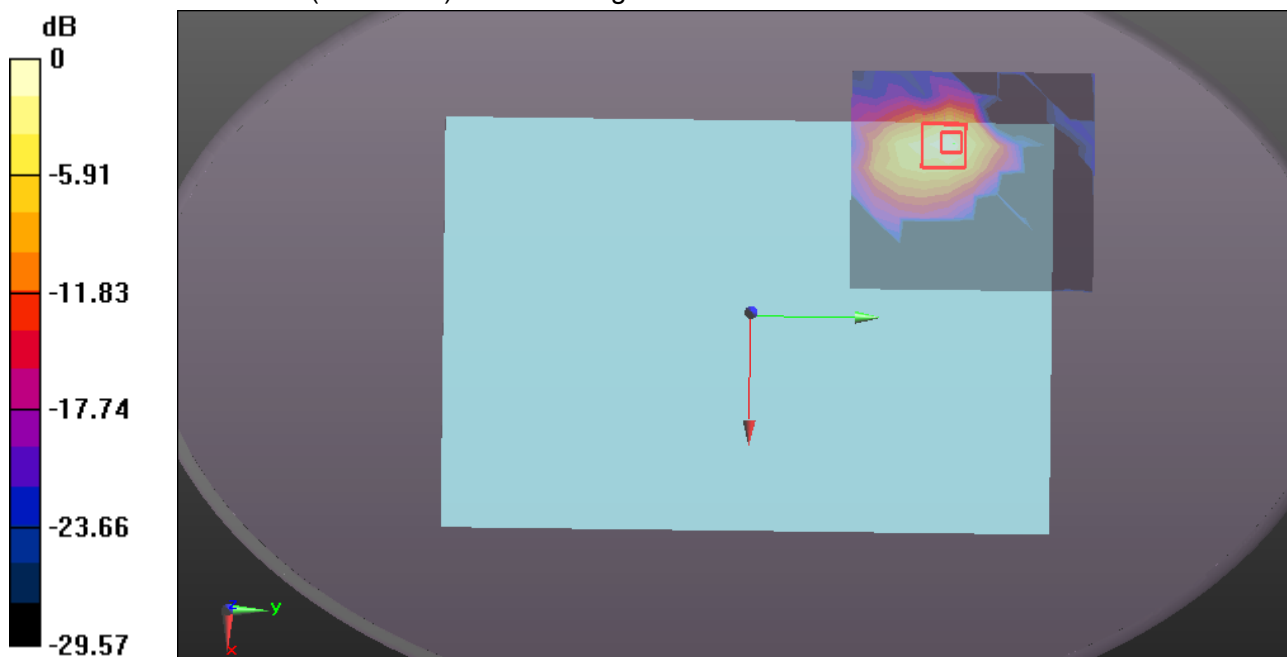
2.4GHz/Body Rear CH39 Chain1/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.956 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.132 W/kg



0 dB = 0.132 W/kg = -8.79 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH56 Chain0 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 5280$ MHz; $\sigma = 5.209$ S/m; $\epsilon_r = 47.305$; $\rho = 1000$ 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(4.67, 4.67, 4.67); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH56 Chain0/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm

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

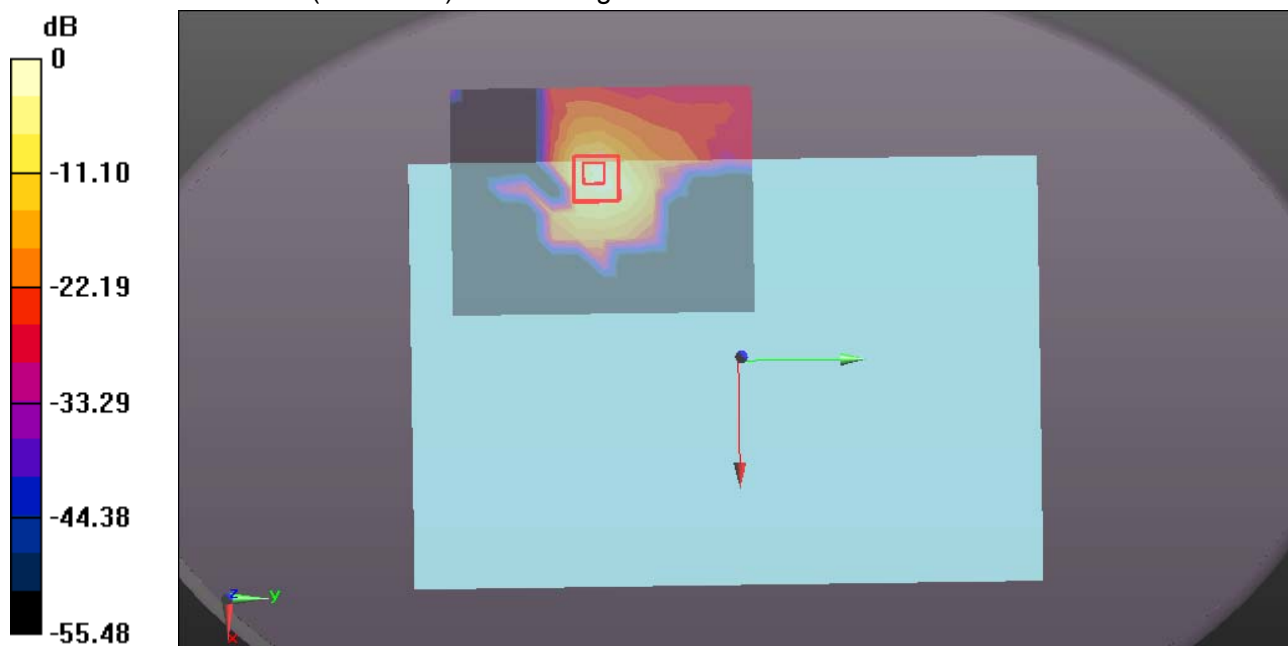
WIFI/IEEE802.11a Body Rear CH56 Chain0/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.956 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.52 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 2.68 W/kg



0 dB = 2.68 W/kg = 4.28 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH100 Chain0 South Star antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band III;
Frequency: 5500 MHz; Duty Cycle: 1:1Medium parameters used: $f = 5500 \text{ MHz}$; $\sigma = 5.502 \text{ S/m}$; $\epsilon_r = 46.821$; $\rho = 1000 \text{ kg/m}^3$

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(4.26, 4.26, 4.26); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 Chain0/Area Scan (10x13x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 2.03 W/kg

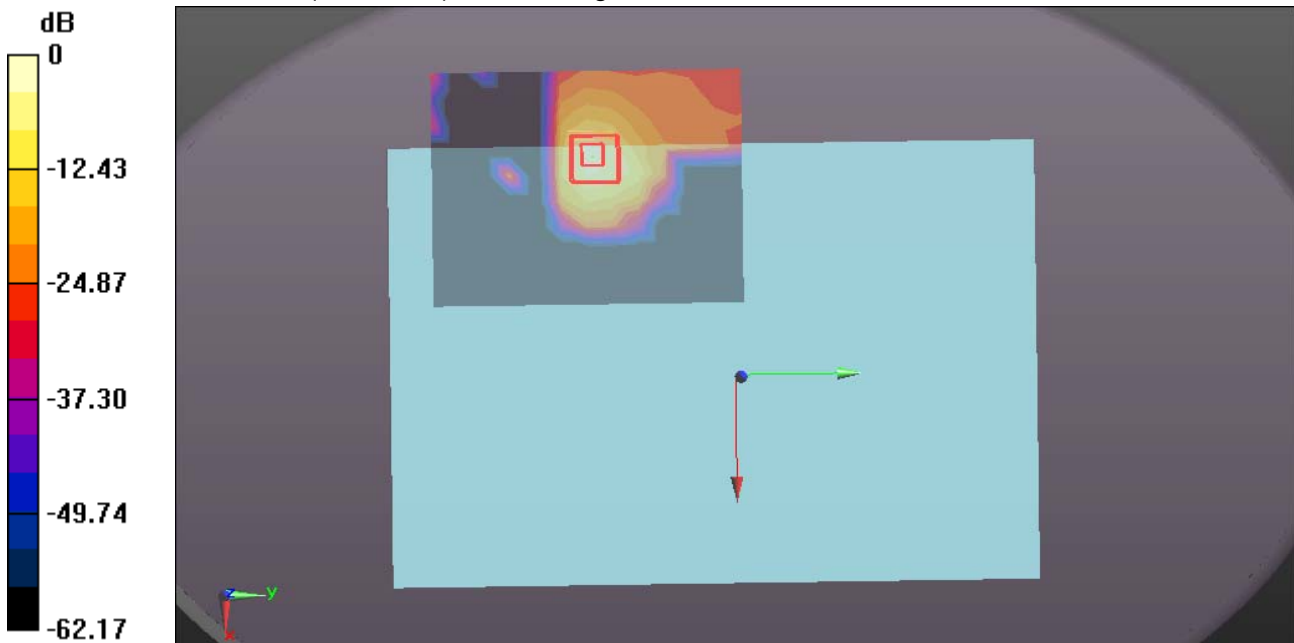
WIFI/IEEE802.11a Body Rear CH100 Chain0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 9.329 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 4.57 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.241 W/kg

Maximum value of SAR (measured) = 2.63 W/kg



0 dB = 2.63 W/kg = 4.20 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH165 Chain0 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; 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: $f = 5825$ MHz; $\sigma = 5.968$ S/m; $\epsilon_r = 46.092$; $\rho = 1000$ 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(4.45, 4.45, 4.45); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH165 Chain0/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.01 W/kg

WIFI/IEEE802.11a Body Rear CH165 Chain0/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

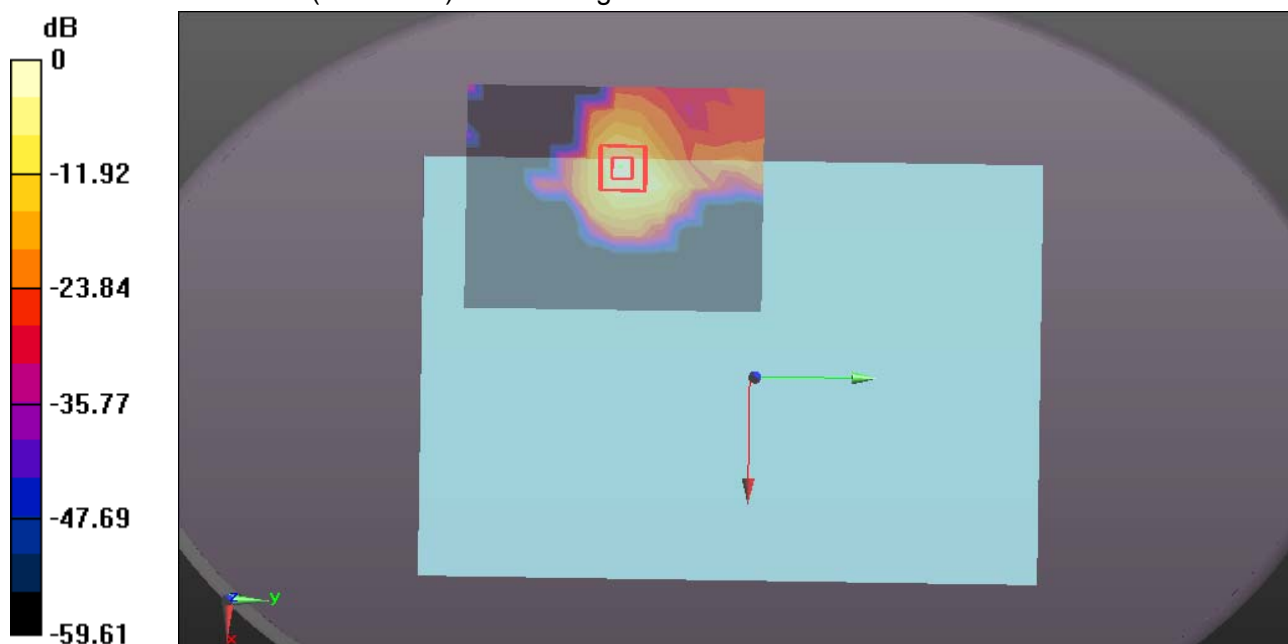
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.529 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.84 W/kg

SAR(1 g) = 0.998 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 2.87 W/kg = 4.58 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH56 Chain1 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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: $f = 5280$ MHz; $\sigma = 5.209$ S/m; $\epsilon_r = 47.305$; $\rho = 1000$ 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(4.67, 4.67, 4.67); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH56 Chain1/Area Scan (10x12x1): Measurement grid: dx=12mm, dy=12mm

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

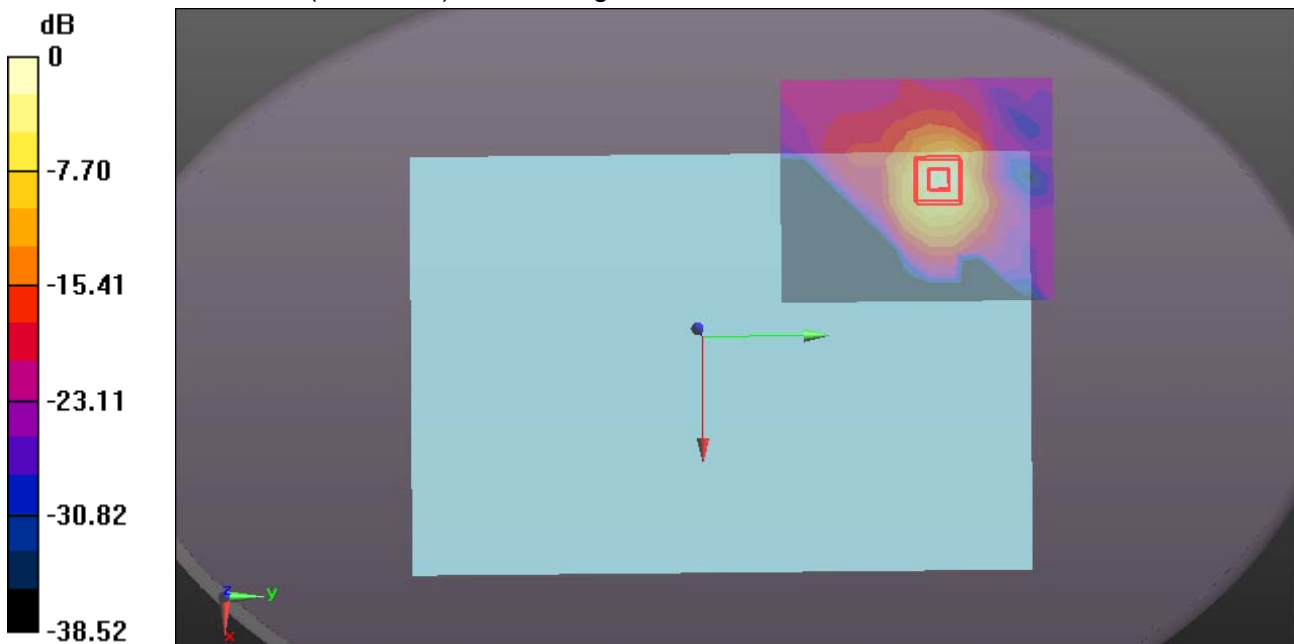
WIFI/IEEE802.11a Body Rear CH56 Chain1/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.527 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 0.718 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 1.63 W/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH128 Chain1 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**

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

Frequency: 5640 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5640$ MHz; $\sigma = 5.694$ S/m; $\epsilon_r = 46.503$; $\rho = 1000$ 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(4.18, 4.18, 4.18); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH128 Chain1/Area Scan (10x12x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.54 W/kg

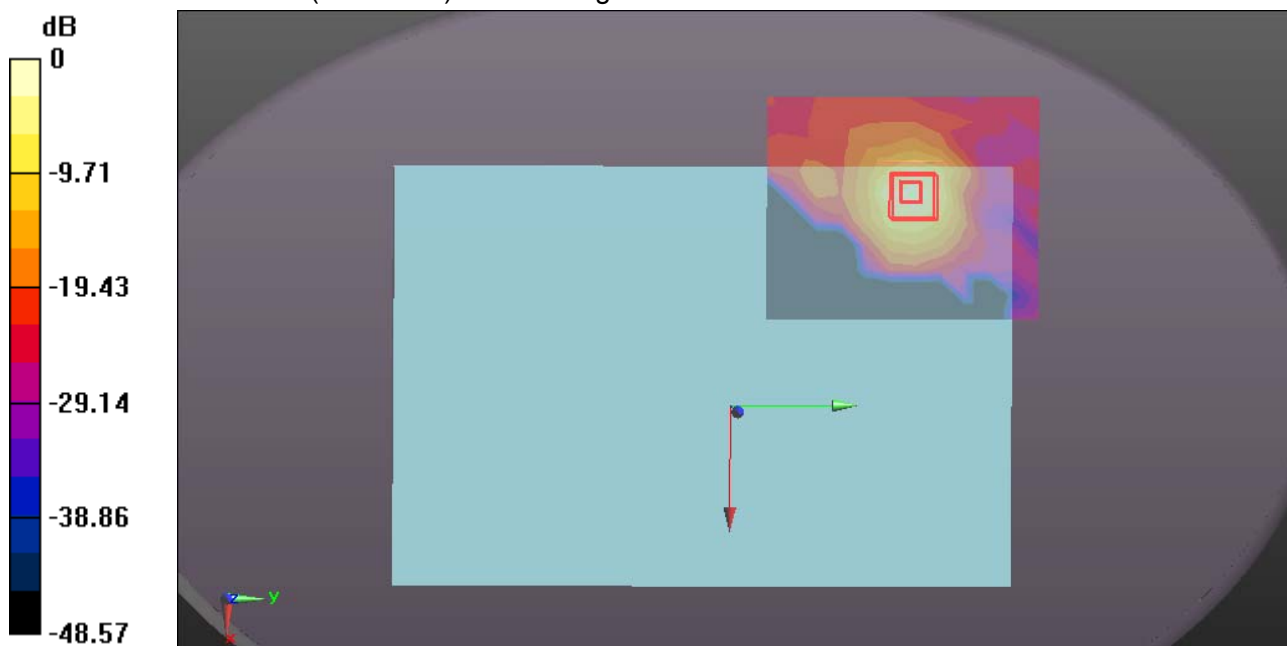
WIFI/IEEE802.11a Body Rear CH128 Chain1/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.259 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.71 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.206 W/kg

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



0 dB = 1.51 W/kg = 1.79 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2017

WIFI 802.11 a-Body Rear CH149 Chain1 INPAQ antenna**DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A**Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band IV;
Frequency: 5745 MHz; Duty Cycle: 1:1Medium parameters used: $f = 5745$ MHz; $\sigma = 5.837$ S/m; $\epsilon_r = 46.273$; $\rho = 1000$ 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(4.45, 4.45, 4.45); Calibrated: 7/26/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2017
- 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 CH149 Chain1/Area Scan (10x12x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.715 W/kg

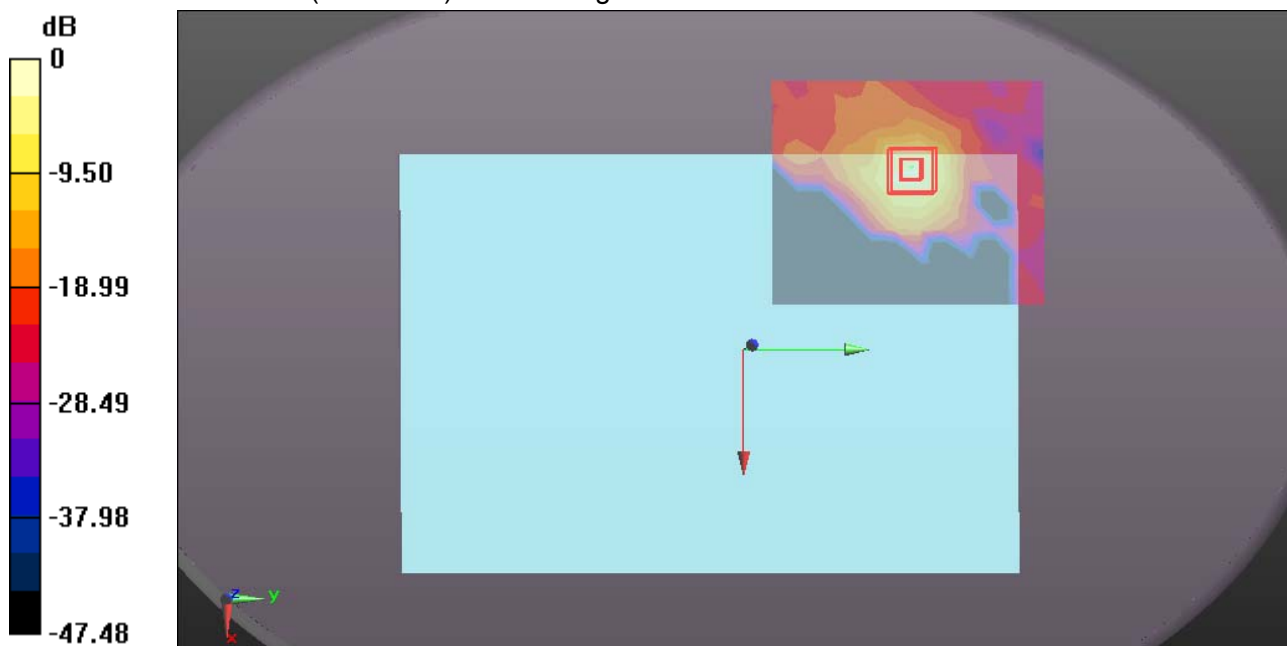
WIFI/IEEE802.11a Body Rear CH149 Chain1/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.254 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.126 W/kg

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



0 dB = 1.16 W/kg = 0.64 dBW/kg