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Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

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; $\sigma = 1.882$ S/m; $\epsilon_r = 51.863$; $\rho = 1000$ 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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 /Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

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

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

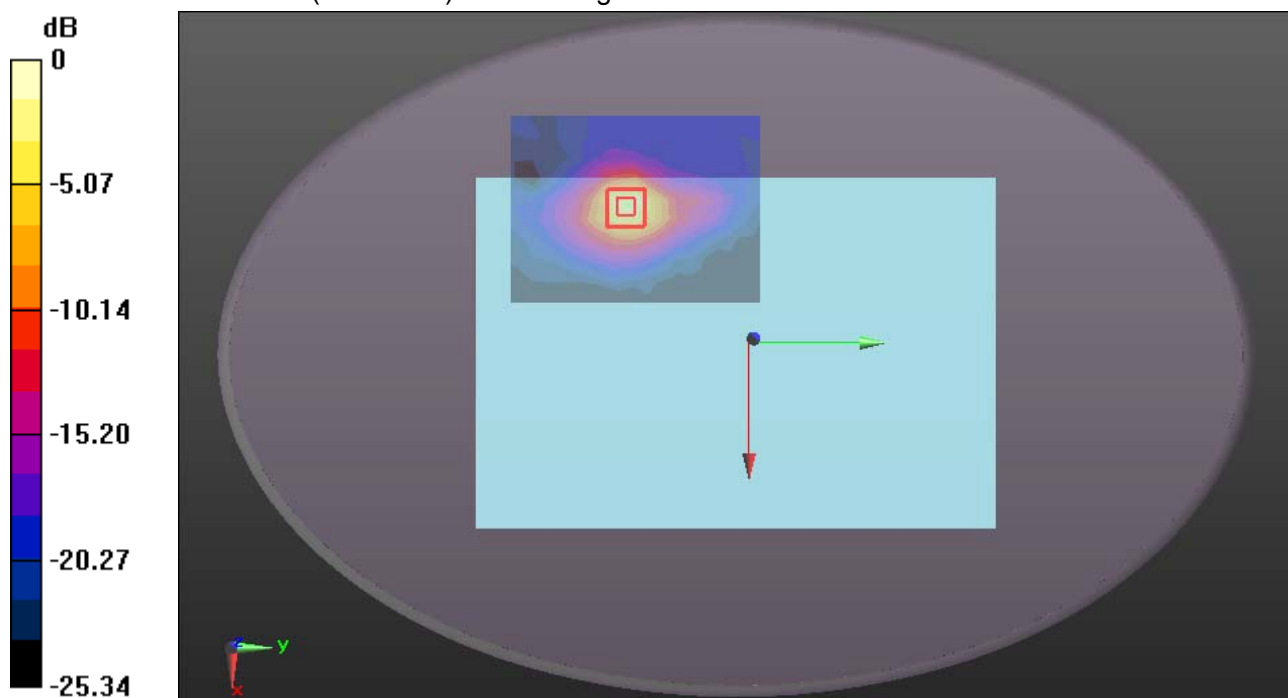
dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.2390 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.475 W/kg

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



0 dB = 1.89 W/kg = 2.76 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

WiFi 802.11 b-Body Rear 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: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.902$ S/m; $\epsilon_r = 51.84$; $\rho = 1000$ 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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH6 Chain0 /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 CH6 Chain0 13/Zoom Scan (7x7x5)/Cube 0: Measurement grid:

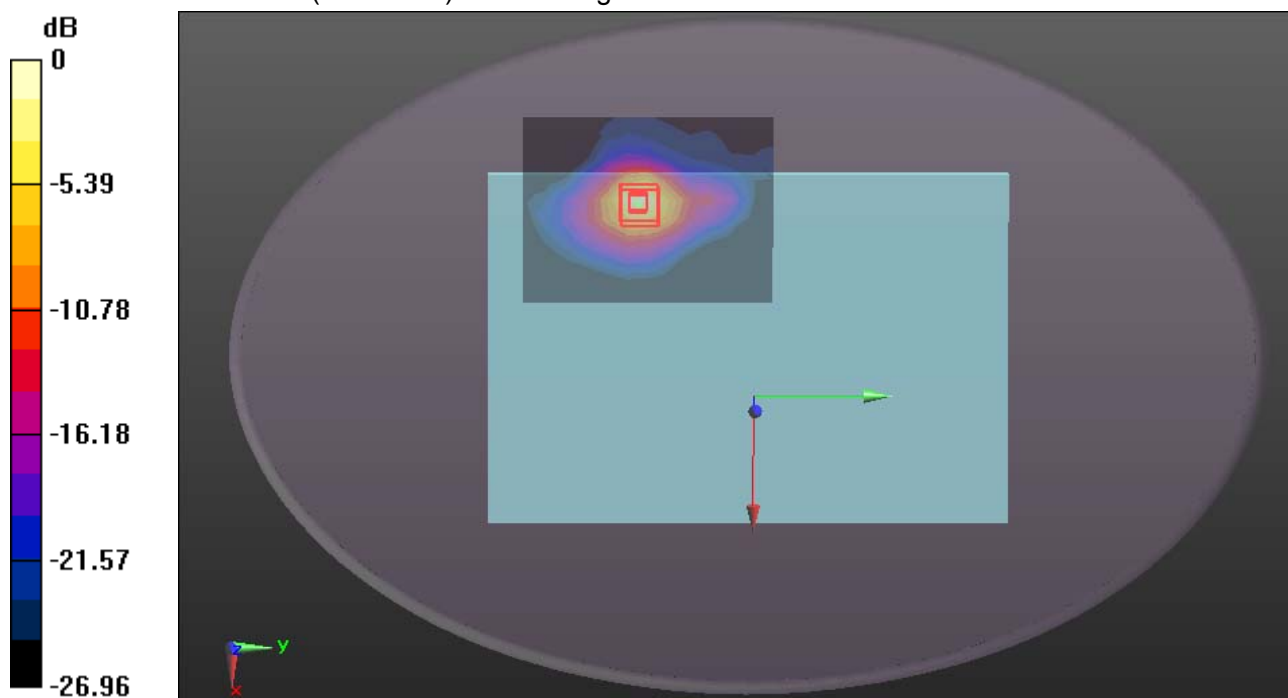
dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.5900 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.65 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.442 W/kg

Maximum value of SAR (measured) = 1.86 W/kg



0 dB = 1.86 W/kg = 2.70 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

WiFi 802.11 b-Body Rear CH11 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: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.956$ S/m; $\epsilon_r = 51.79$; $\rho = 1000$ 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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH11 Chain0/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.56 W/kg

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

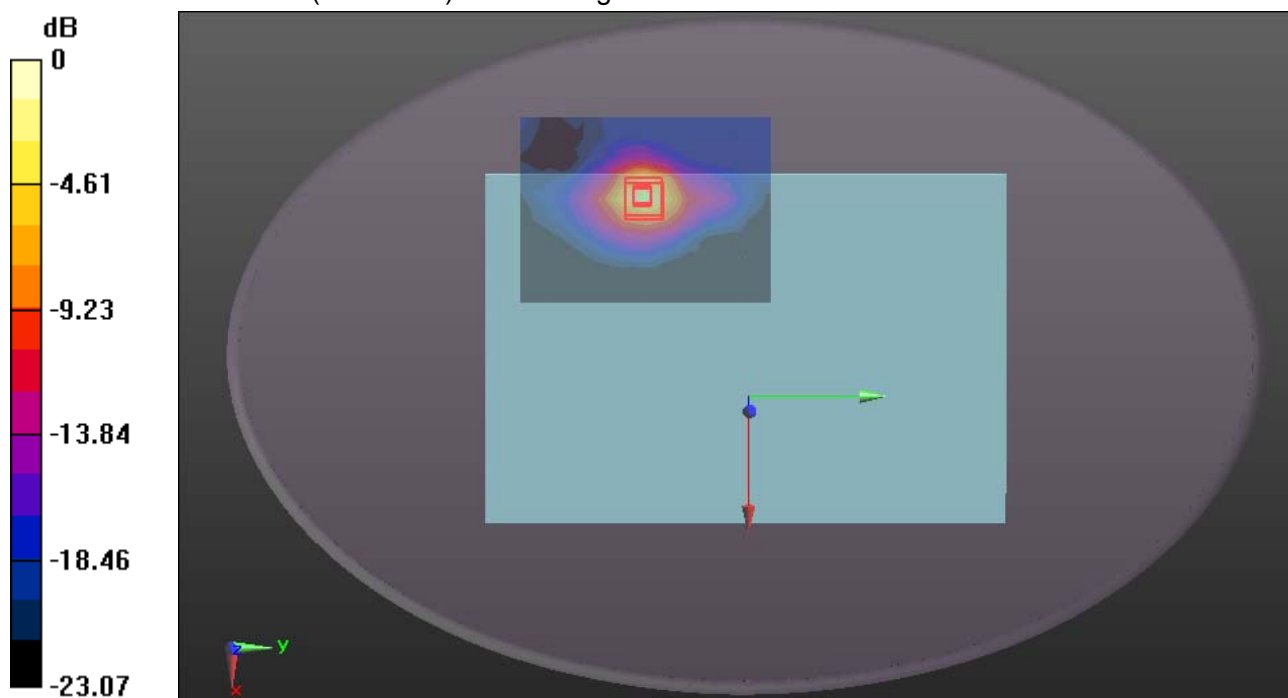
dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.071 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.416 W/kg

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



0 dB = 1.66 W/kg = 2.20 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

WiFi 802.11 b-Body Edge 1 CH11 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: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.956$ S/m; $\epsilon_r = 51.79$; $\rho = 1000$ 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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 Edge 1 CH11 Chain0/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.190 W/kg

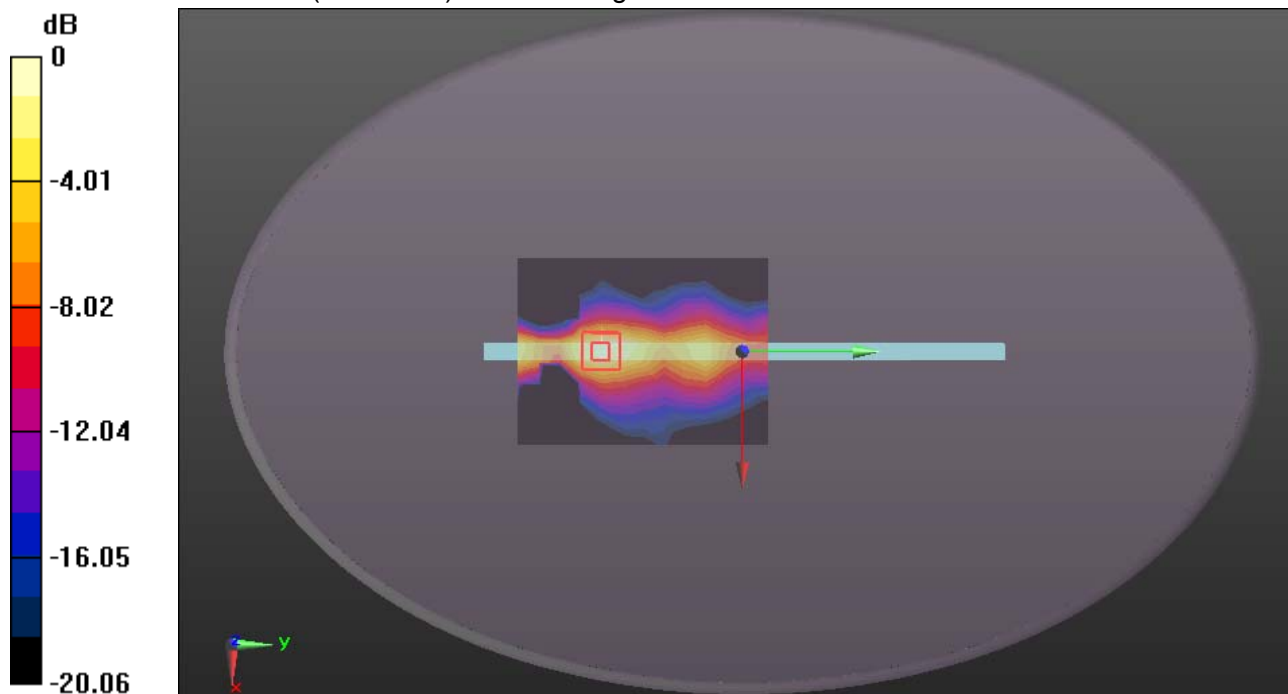
WiFi 2.4GHz/IEEE802.11b Body Edge 1 CH11 Chain0/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.258 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg = -6.60 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

2.4GHz -Body Rear CH00 Chain0 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: 2402 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 2402$ MHz; $\sigma = 1.876$ S/m; $\epsilon_r = 51.892$; $\rho = 1000$ 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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH00 Chain0/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm

[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.162 W/kg

2.4GHz/Body Rear CH00 Chain0/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

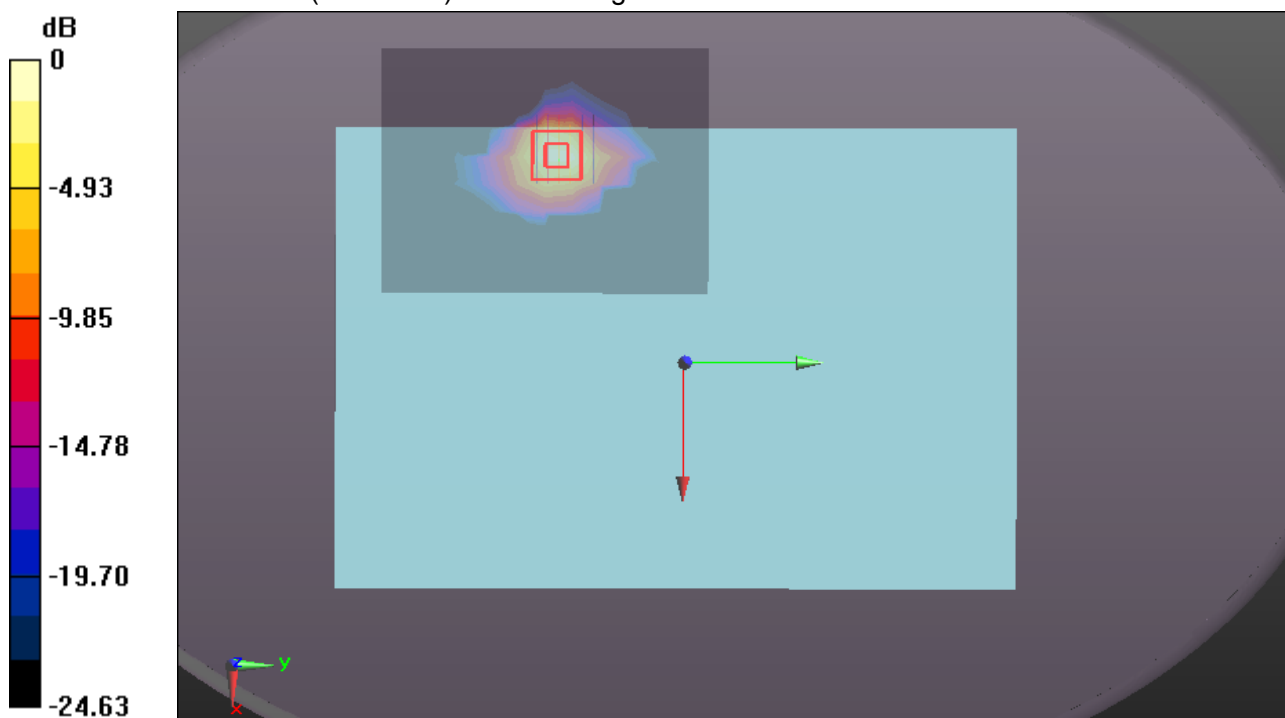
Reference Value = 0.9561 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.043 W/kg

[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.190 W/kg



0 dB = 0.190 W/kg = -7.21 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

2.4GHz -Body Rear CH39 Chain0 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: 1:1Medium parameters used: $f = 2441 \text{ MHz}$; $\sigma = 1.924 \text{ S/m}$; $\epsilon_r = 51.83$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 Chain0/Area Scan (10x13x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.166 W/kg

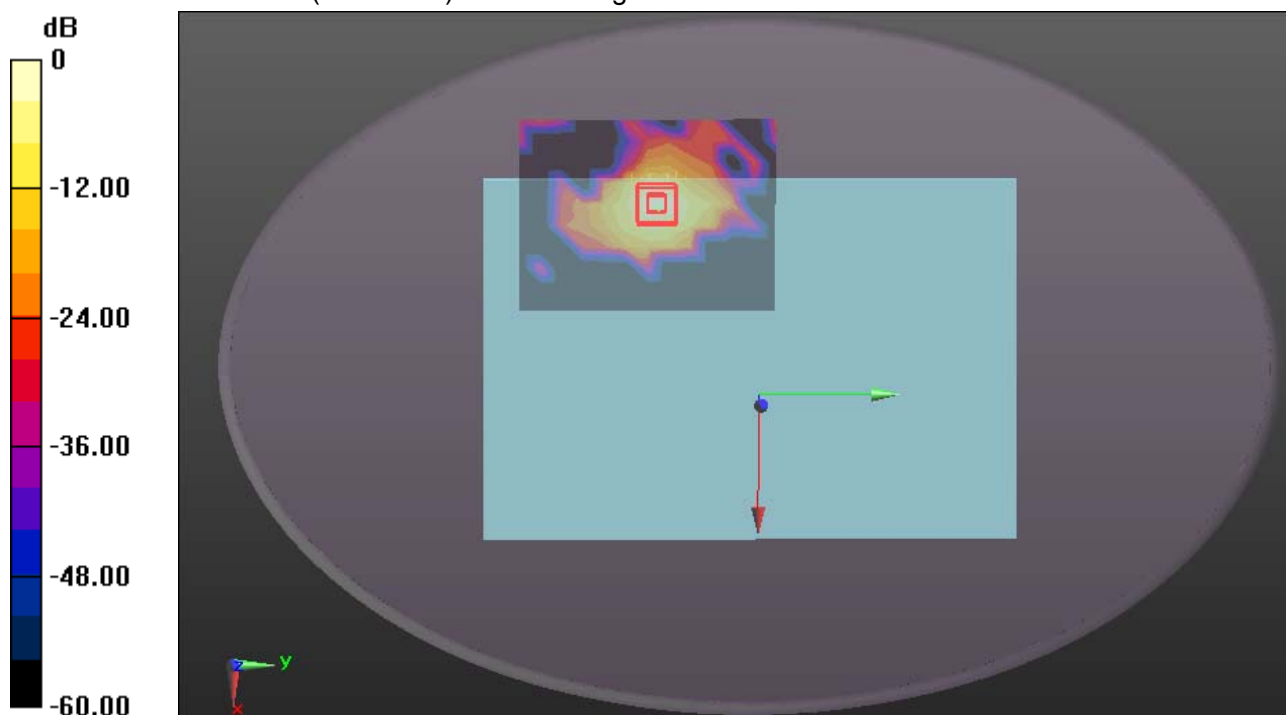
2.4GHz/Body Rear CH39 Chain0/Zoom Scan (7x7x5)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.8795 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.051 W/kg

Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg = -7.06 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

2.4GHz -Body Rear CH78 Chain0 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: 2480 MHz; Duty Cycle: 1:1Medium parameters used (extrapolated): $f = 2480$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 51.76$; $\rho = 1000$ 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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH78 Chain0/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.154 W/kg

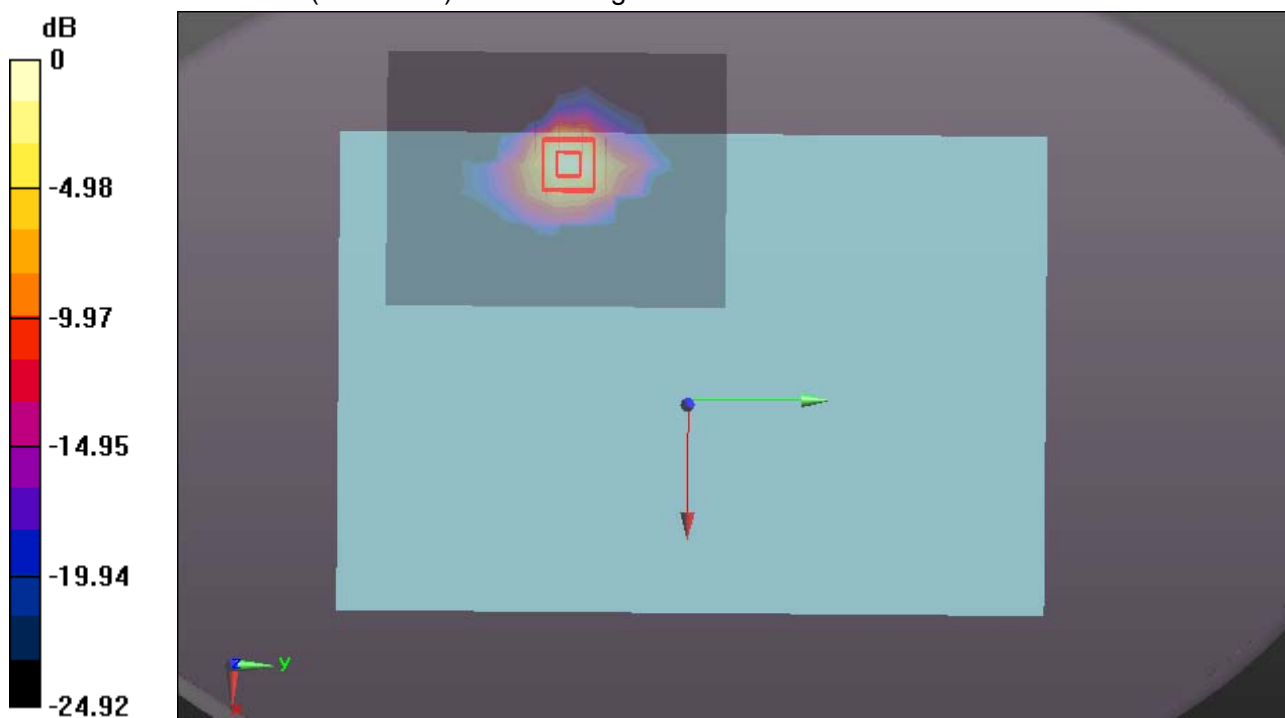
2.4GHz/Body Rear CH78 Chain0/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.9761 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.041 W/kg[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = -7.90 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

2.4GHz -Body Edge 1 CH39 Chain0 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: $f = 2441 \text{ MHz}$; $\sigma = 1.924 \text{ S/m}$; $\epsilon_r = 51.83$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 Chain0/Area Scan (10x13x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0252 W/kg

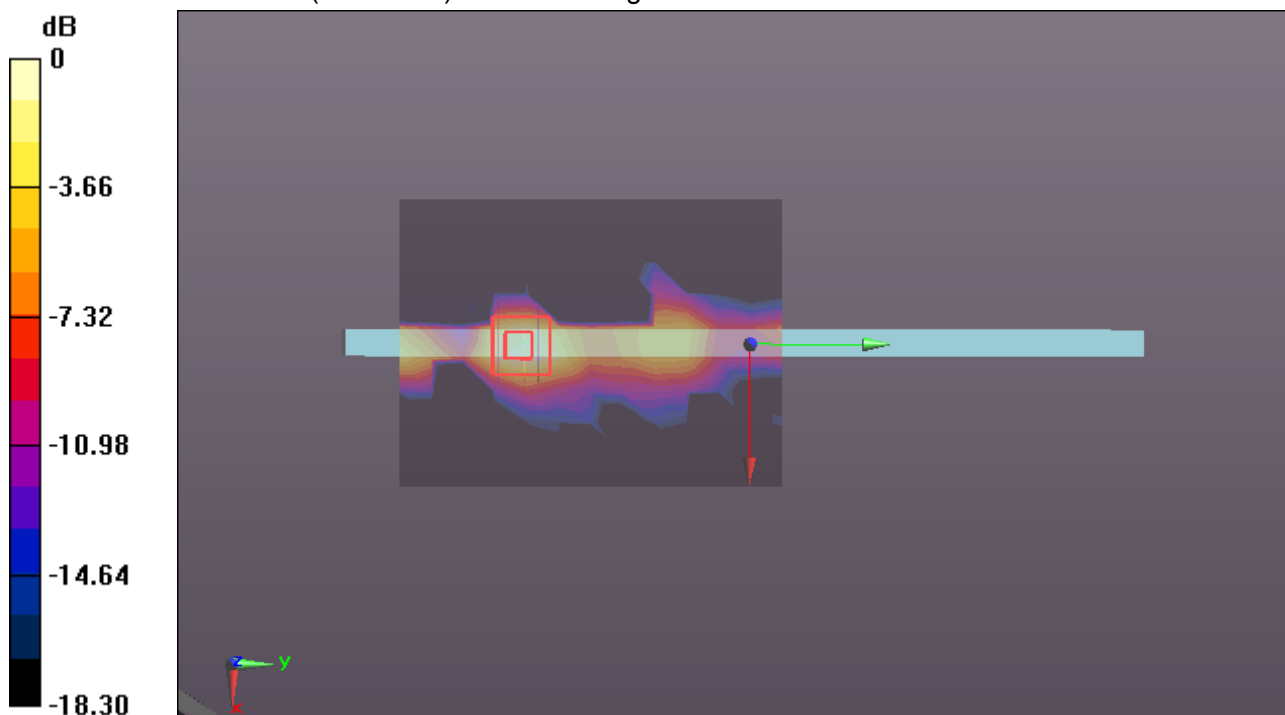
2.4GHz/Body Edge 1 CH39 Chain0/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.160 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0360 W/kg

SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00807 W/kg

Maximum value of SAR (measured) = 0.0263 W/kg



0 dB = 0.0263 W/kg = -15.80 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Rear CH52 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: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.269$ S/m; $\epsilon_r = 48.31$; $\rho = 1000$ 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 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH52 Chain0 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.92 W/kg

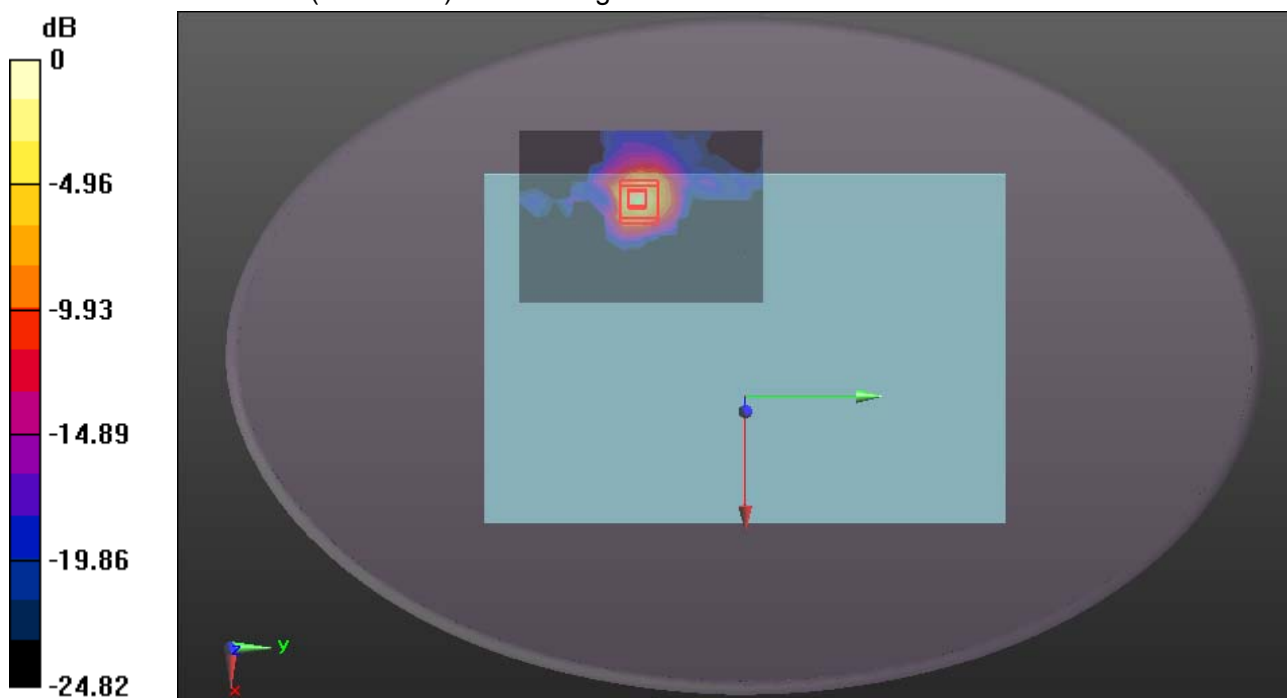
WIFI/IEEE802.11a Body Rear CH52 Chain0 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.8416 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

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: $f = 5280$ MHz; $\sigma = 5.361$ S/m; $\epsilon_r = 48.395$; $\rho = 1000$ 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 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 (11x15x1): Measurement grid: dx=10mm, dy=10mm

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

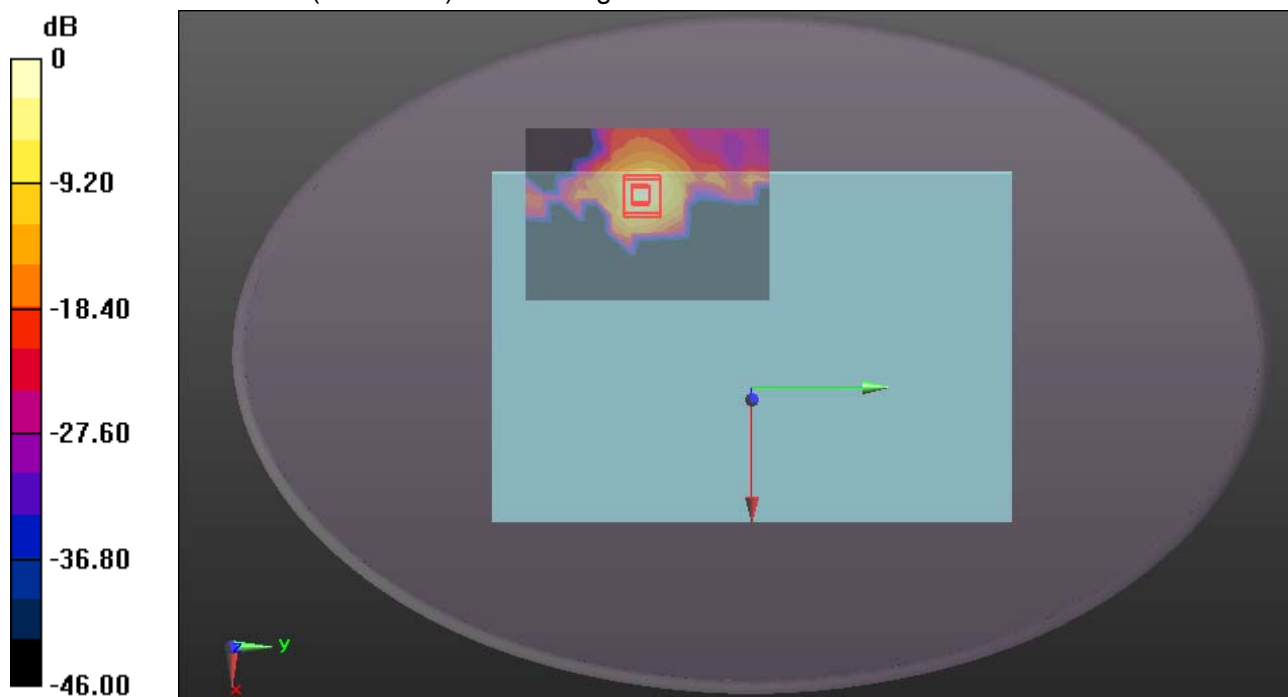
WIFI/IEEE802.11a Body Rear CH56 Chain0 /Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.7943 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.20 W/kg

SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.258 W/kg

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



0 dB = 2.17 W/kg = 3.36 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Rear CH64 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: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.429$ S/m; $\epsilon_r = 48.47$; $\rho = 1000$ 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 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH64 Chain0 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.47 W/kg

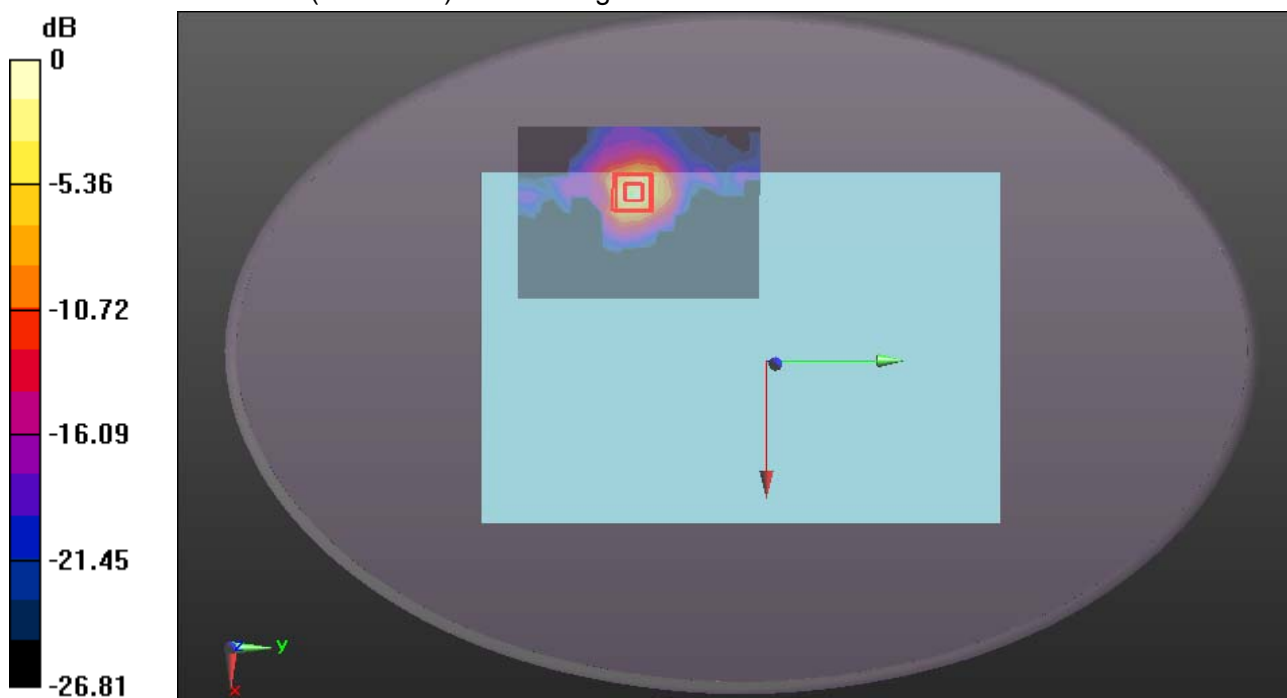
WIFI/IEEE802.11a Body Rear CH64 Chain0 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.697 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.59 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.328 W/kg

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



0 dB = 2.89 W/kg = 4.61 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

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: $f = 5500$ MHz; $\sigma = 5.527$ S/m; $\epsilon_r = 48.309$; $\rho = 1000$ 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 - SN3820; ConvF(3.94, 3.94, 3.94); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 (11x15x1): Measurement grid: dx=10mm, dy=10mm

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

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

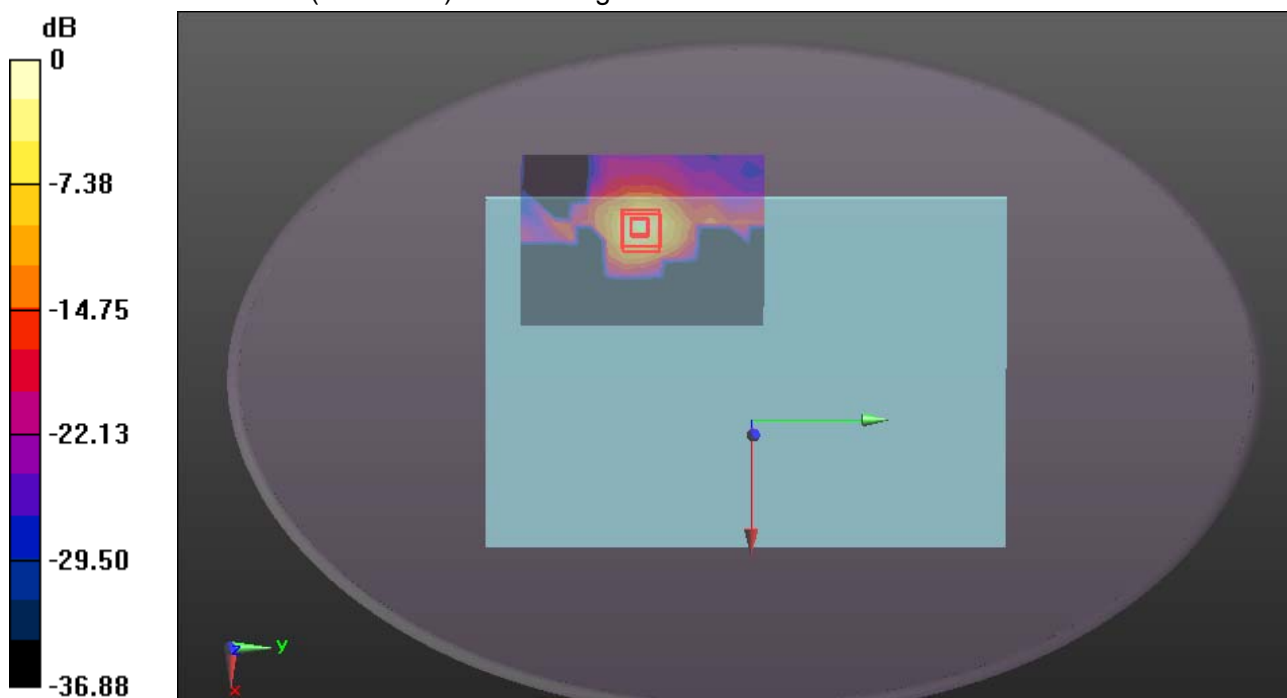
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.4813 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 5.03 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 2.70 W/kg



0 dB = 2.70 W/kg = 4.31 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Rear CH116 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: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580 \text{ MHz}$; $\sigma = 5.836 \text{ S/m}$; $\epsilon_r = 48.065$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(3.8, 3.8, 3.8); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH116 Chain0 /Area Scan (11x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.04 W/kg

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

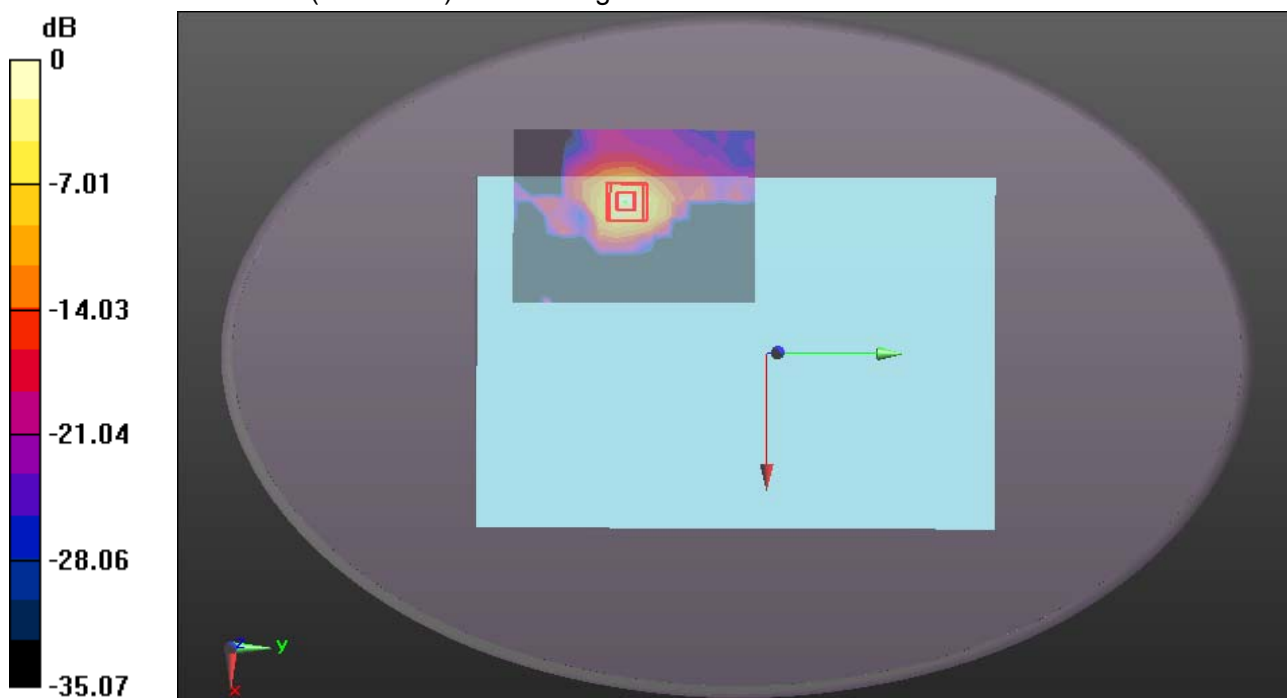
$dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 1.0614 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.05 W/kg

SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 2.70 W/kg



0 dB = 2.70 W/kg = 4.31 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Rear CH128 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: 5640 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5640 \text{ MHz}$; $\sigma = 5.671 \text{ S/m}$; $\epsilon_r = 47.745$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(3.8, 3.8, 3.8); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 Chain0 /Area Scan (11x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

WIFI/IEEE802.11a Body Rear CH128 Chain0 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

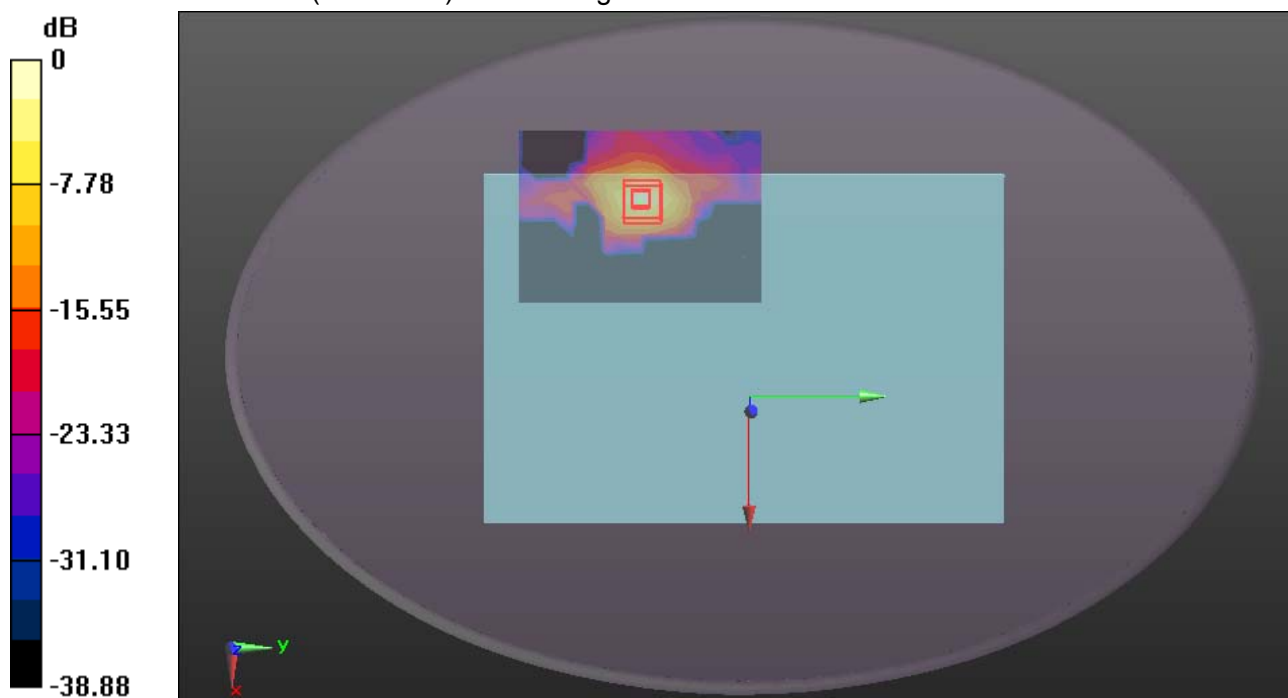
$dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 0.9646 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.36 W/kg

SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 2.74 W/kg



0 dB = 2.74 W/kg = 4.38 dBW/kg

Test Laboratory: Compliance Certification Services Inc.
Date: 8/4/2017

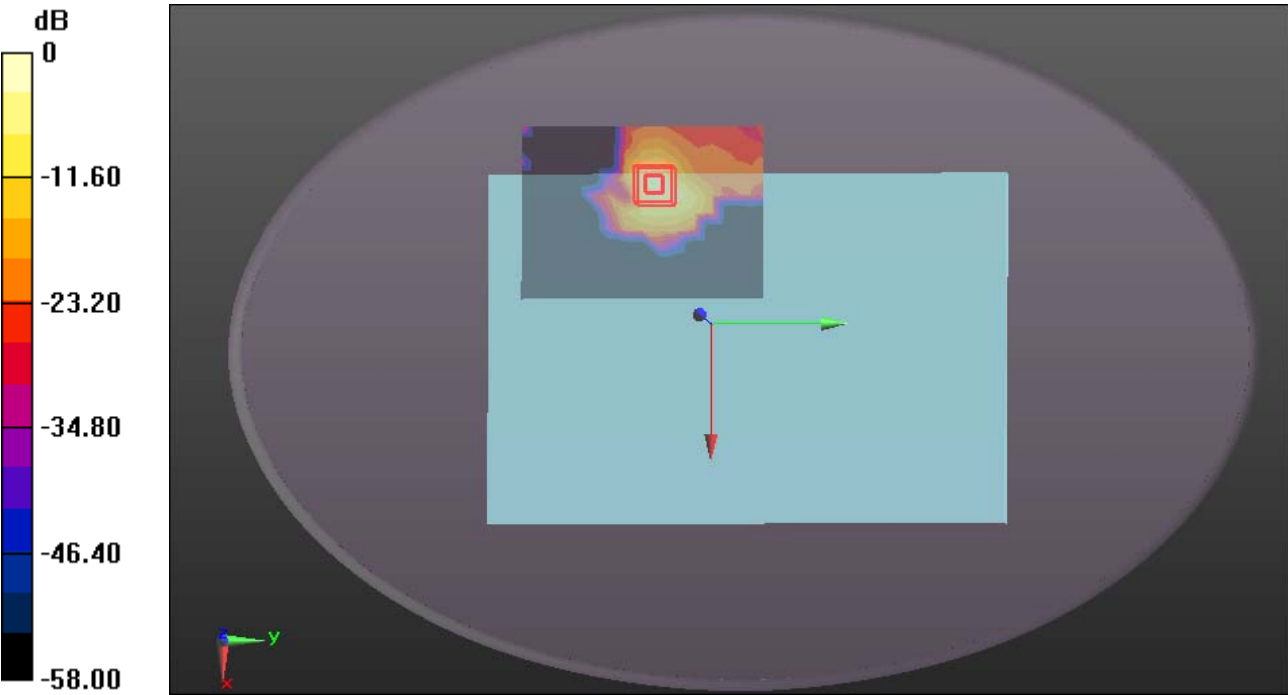
WIFI 802.11 a-Body Rear CH149 Chain0 South Star antenna
DUT: Notebook/Tablet Computer; Type: Lenovo MIIX 520-12IKB; Serial: N/A
Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band IV;
Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.769 \text{ S/m}$; $\epsilon_r = 47.483$; $\rho = 1000 \text{ kg/m}^3$
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 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH149 Chain0 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.01 W/kg

WIFI/IEEE802.11a Body Rear CH149 Chain0 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.7916 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 6.04 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.252 W/kg

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



0 dB = 3.48 W/kg = 5.42 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Rear CH157 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: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.008 \text{ S/m}$; $\epsilon_r = 47.581$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH157 Chain0 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

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

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

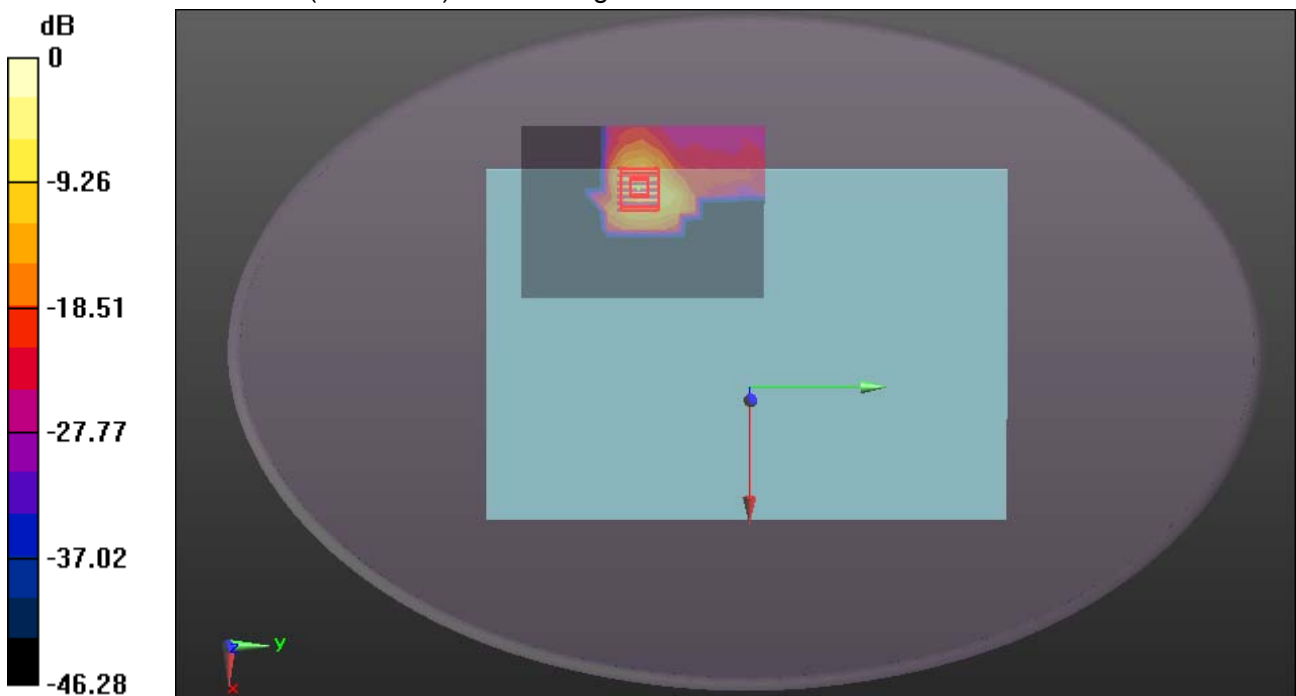
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.8972 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 5.71 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.282 W/kg

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



0 dB = 3.23 W/kg = 5.09 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

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: $f = 5825 \text{ MHz}$; $\sigma = 6.05 \text{ S/m}$; $\epsilon_r = 48.112$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 /Area Scan (11x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

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

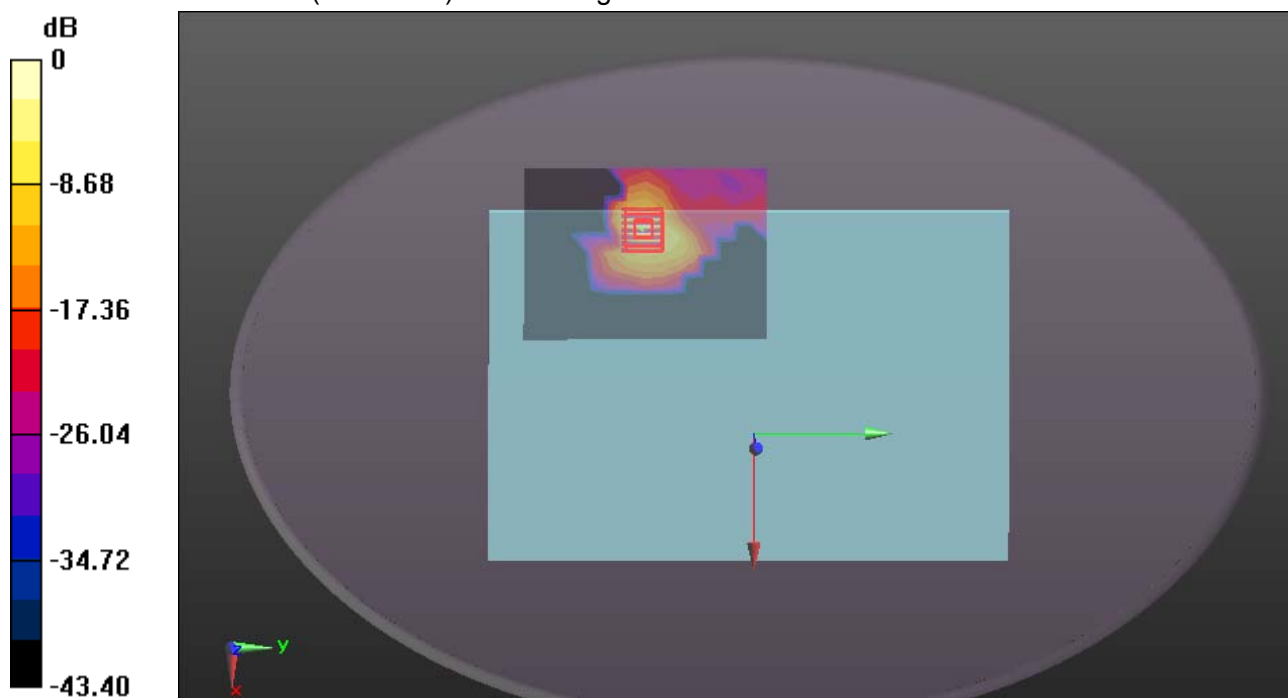
$dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 1.162 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 4.24 W/kg

SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 2.31 W/kg



0 dB = 2.31 W/kg = 3.64 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Edge 1 CH64 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: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.429$ S/m; $\epsilon_r = 48.47$; $\rho = 1000$ 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 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH64 Chain0 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

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

WIFI/IEEE802.11a Body Edge 1 CH64 Chain0 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

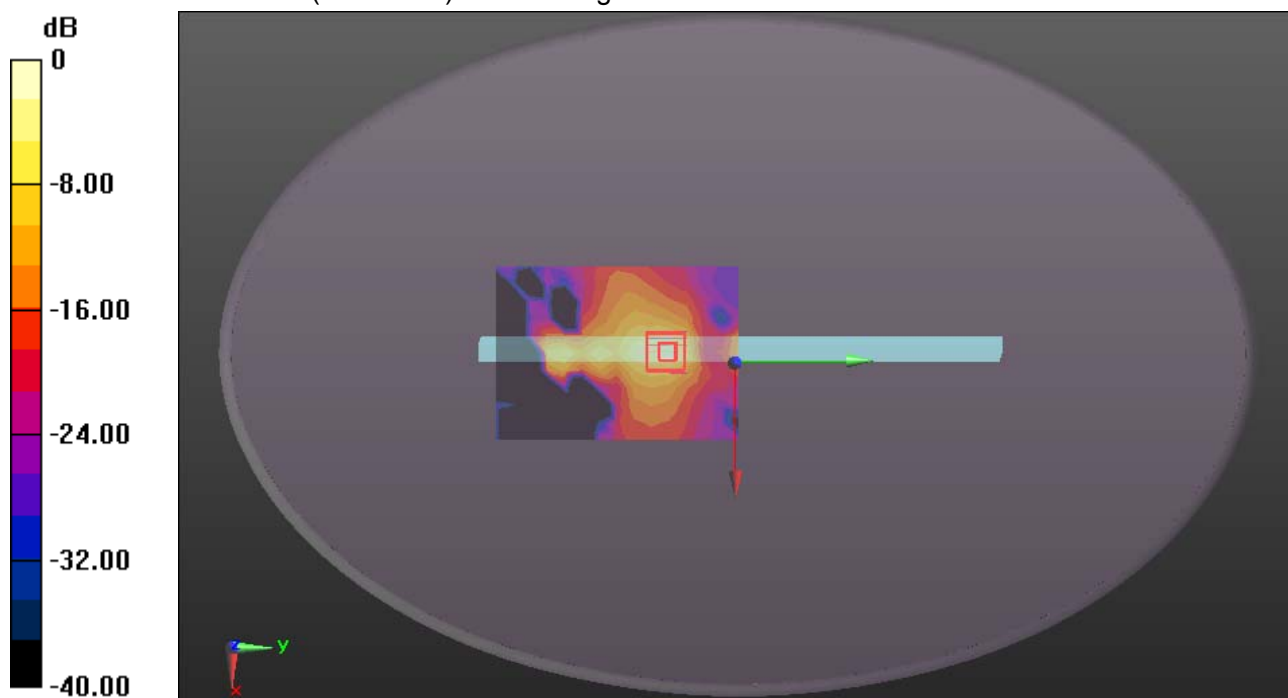
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.202 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.161 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: 8/4/2017

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; $\sigma = 5.527$ S/m; $\epsilon_r = 48.309$; $\rho = 1000$ 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 - SN3820; ConvF(3.94, 3.94, 3.94); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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) = 1.46 W/kg

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

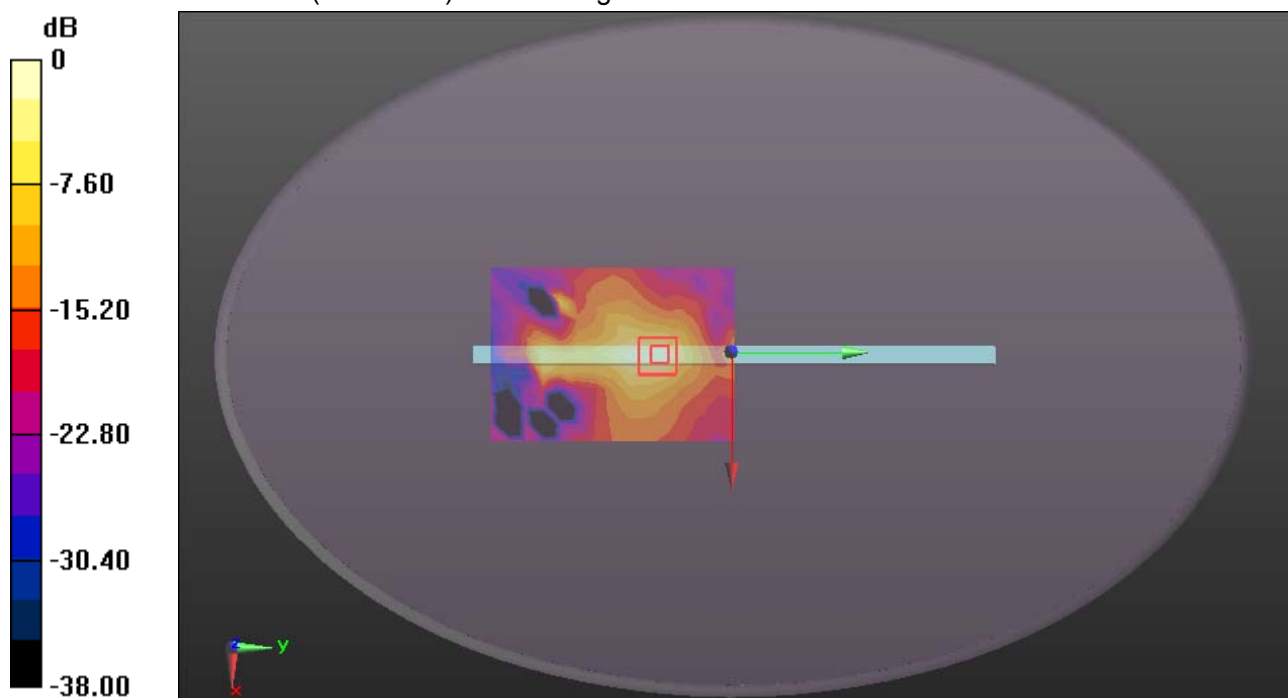
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.031 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.190 W/kg

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



0 dB = 1.59 W/kg = 2.01 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

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: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.769$ S/m; $\epsilon_r = 47.483$; $\rho = 1000$ 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 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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=10mm, dy=10mm

Maximum value of SAR (measured) = 1.93 W/kg

WIFI/IEEE802.11a Body Edge 1 CH149 Chain0 /Zoom Scan (7x7x7)/Cube 0: Measurement grid:

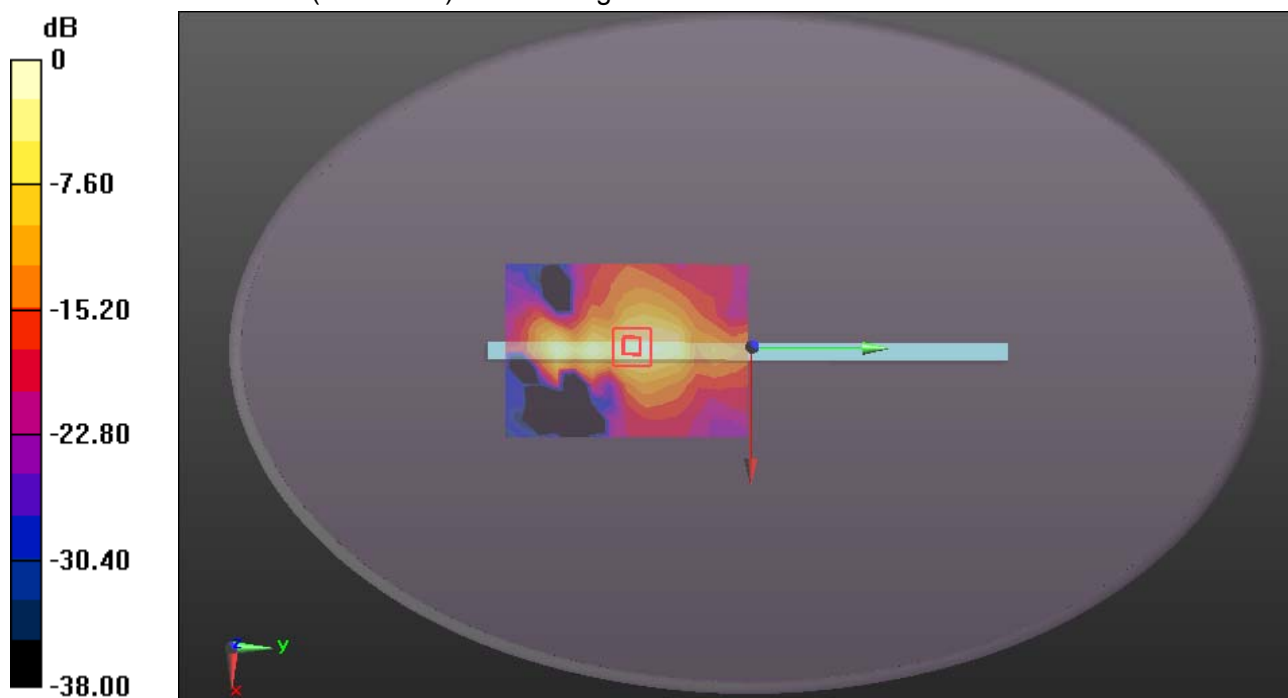
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.205 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.78 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.248 W/kg

Maximum value of SAR (measured) = 2.08 W/kg



0 dB = 2.08 W/kg = 3.18 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

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: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 51.863$; $\rho = 1000$ 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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 repeat/Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

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

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

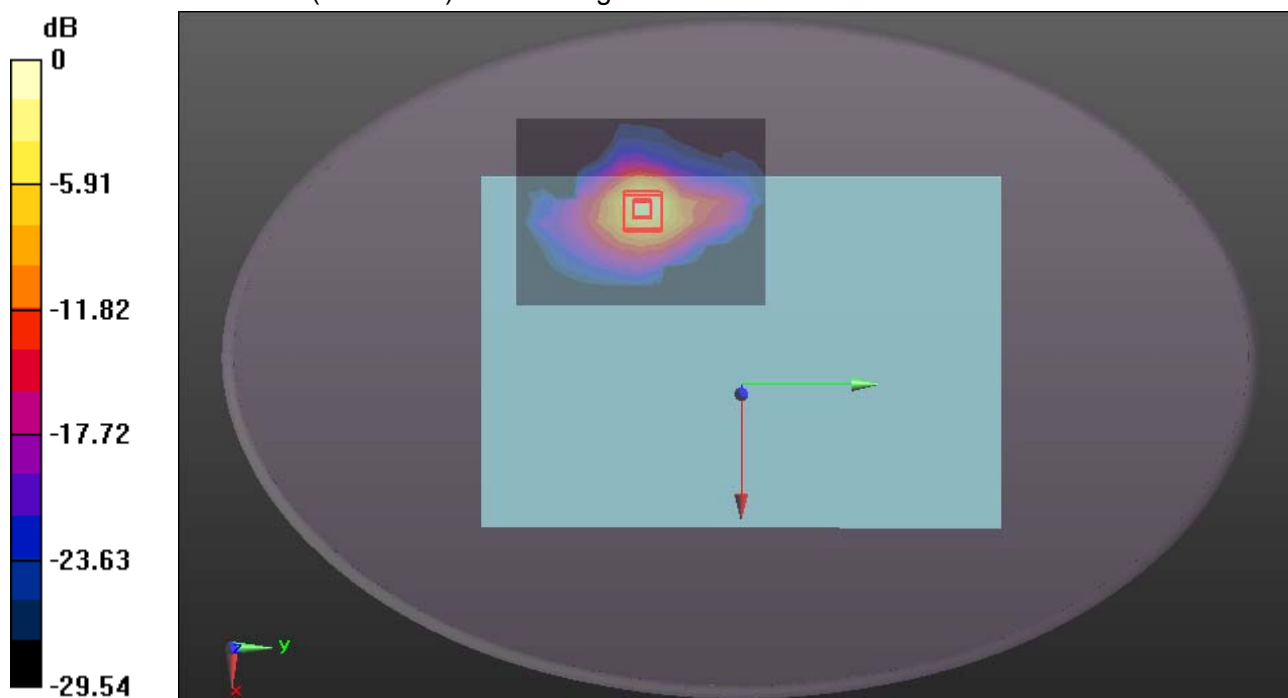
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.043 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.409 W/kg

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



0 dB = 1.69 W/kg = 2.28 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Rear CH64 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: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.429$ S/m; $\epsilon_r = 48.47$; $\rho = 1000$ 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 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH64 Chain0 repeat/Area Scan (11x15x1): Measurement grid:

dx=10mm, dy=10mm

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

WIFI/IEEE802.11a Body Rear CH64 Chain0 repeat/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

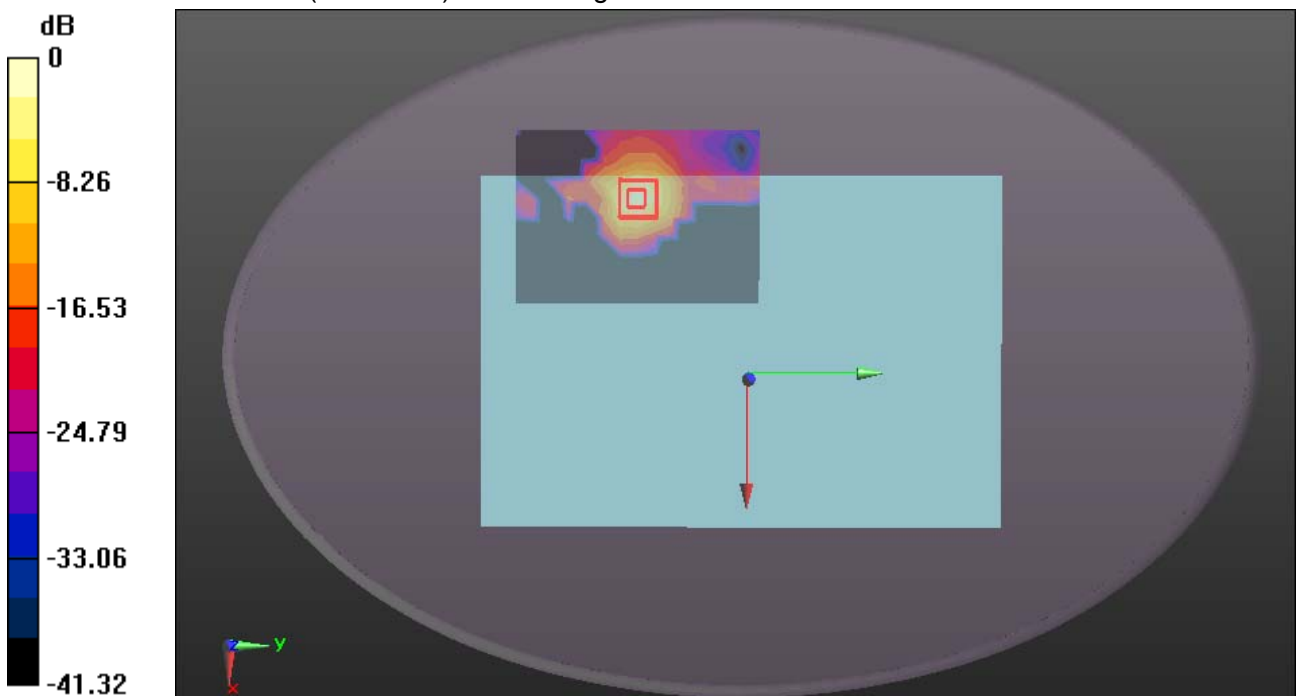
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.7813 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.321 W/kg

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



0 dB = 2.93 W/kg = 4.67 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

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; $\sigma = 5.527$ S/m; $\epsilon_r = 48.309$; $\rho = 1000$ 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 - SN3820; ConvF(3.94, 3.94, 3.94); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 repeat/Area Scan (11x15x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.82 W/kg

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

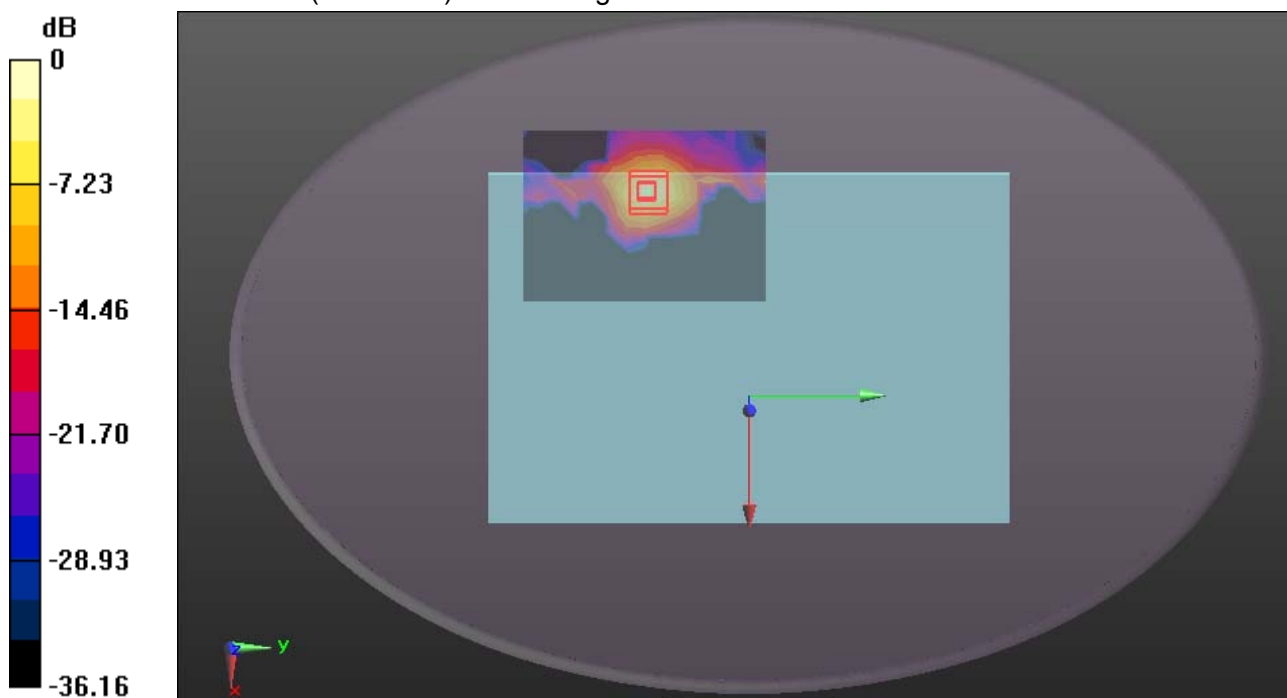
$dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 0.8493 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.81 W/kg

SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.291 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: 8/4/2017

WIFI 802.11 a-Body Rear CH157 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: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.008 \text{ S/m}$; $\epsilon_r = 47.581$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH157 Chain0 repeat/Area Scan (11x15x1): Measurement grid:

dx=10mm, dy=10mm

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

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

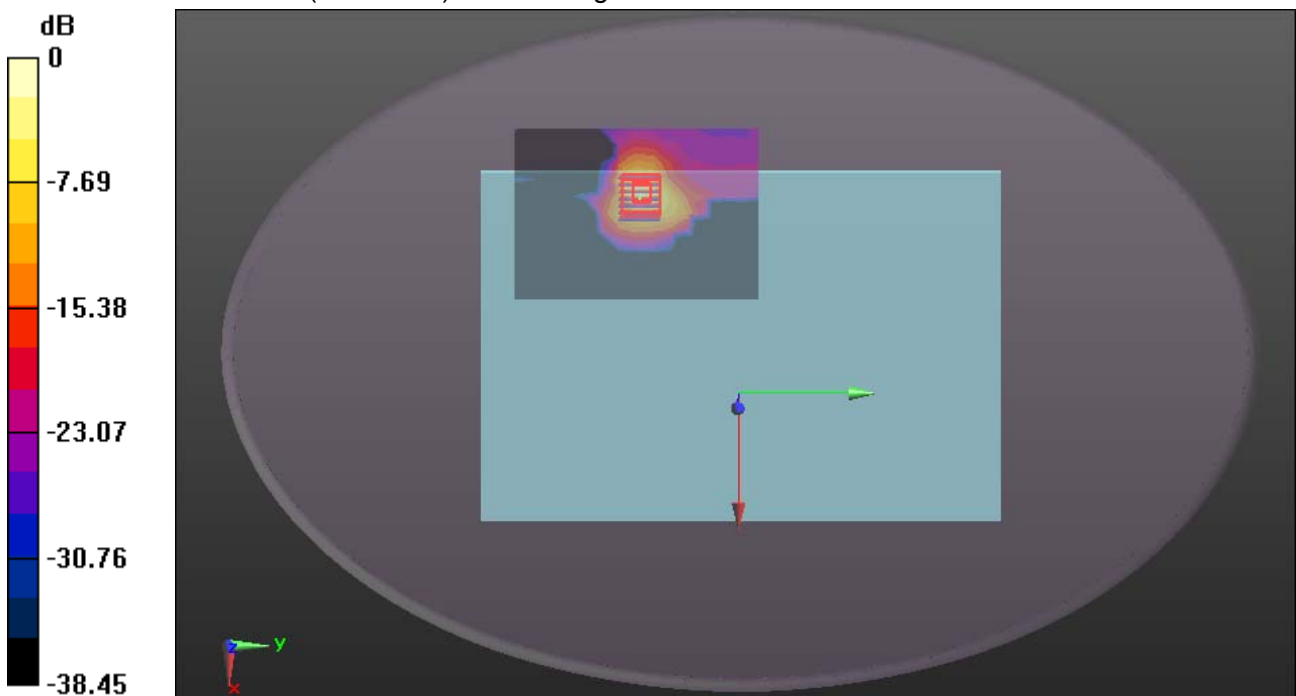
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.169 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 6.47 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.307 W/kg

Maximum value of SAR (measured) = 3.50 W/kg



0 dB = 3.50 W/kg = 5.44 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

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: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 51.863$; $\rho = 1000$ 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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 Chain0 /Area Scan (10x13x1): Measurement grid:

dx=12mm, dy=12mm

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

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

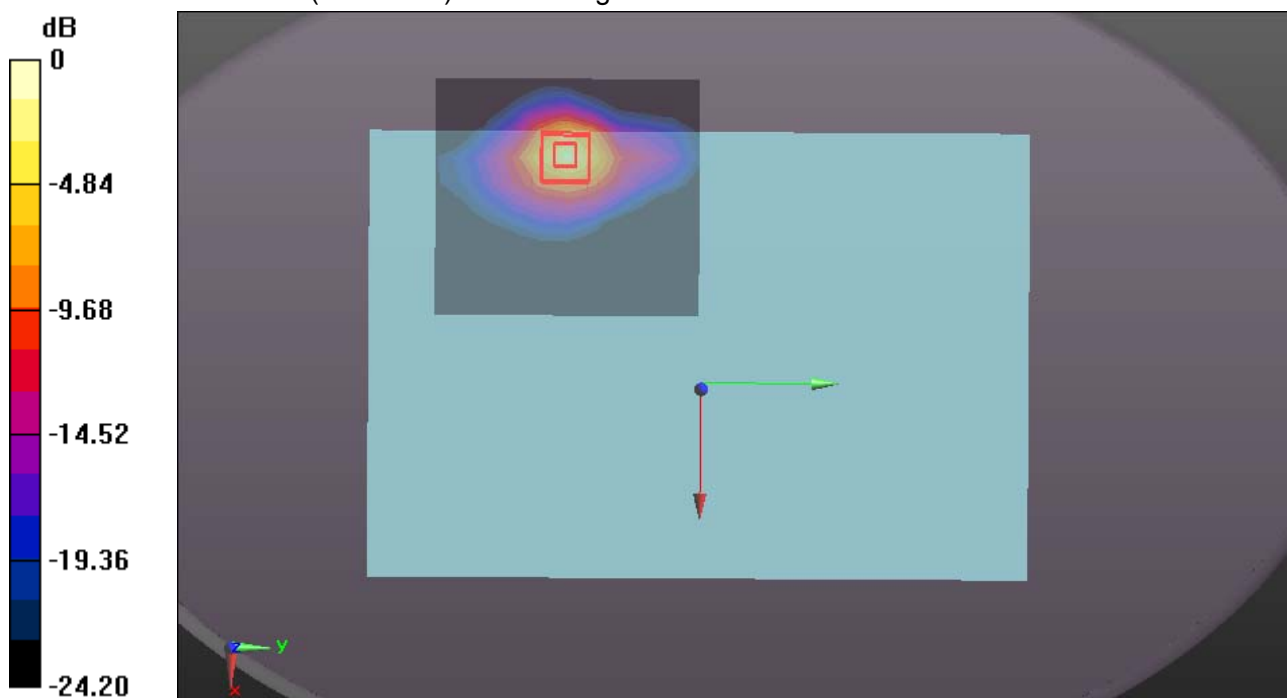
dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.3416 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/3/2017

2.4GHz -Body Rear CH39 Chain0 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: $f = 2441 \text{ MHz}$; $\sigma = 1.924 \text{ S/m}$; $\epsilon_r = 51.83$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(7.02, 7.02, 7.02); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 Chain0/Area Scan (10x13x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.0907 W/kg

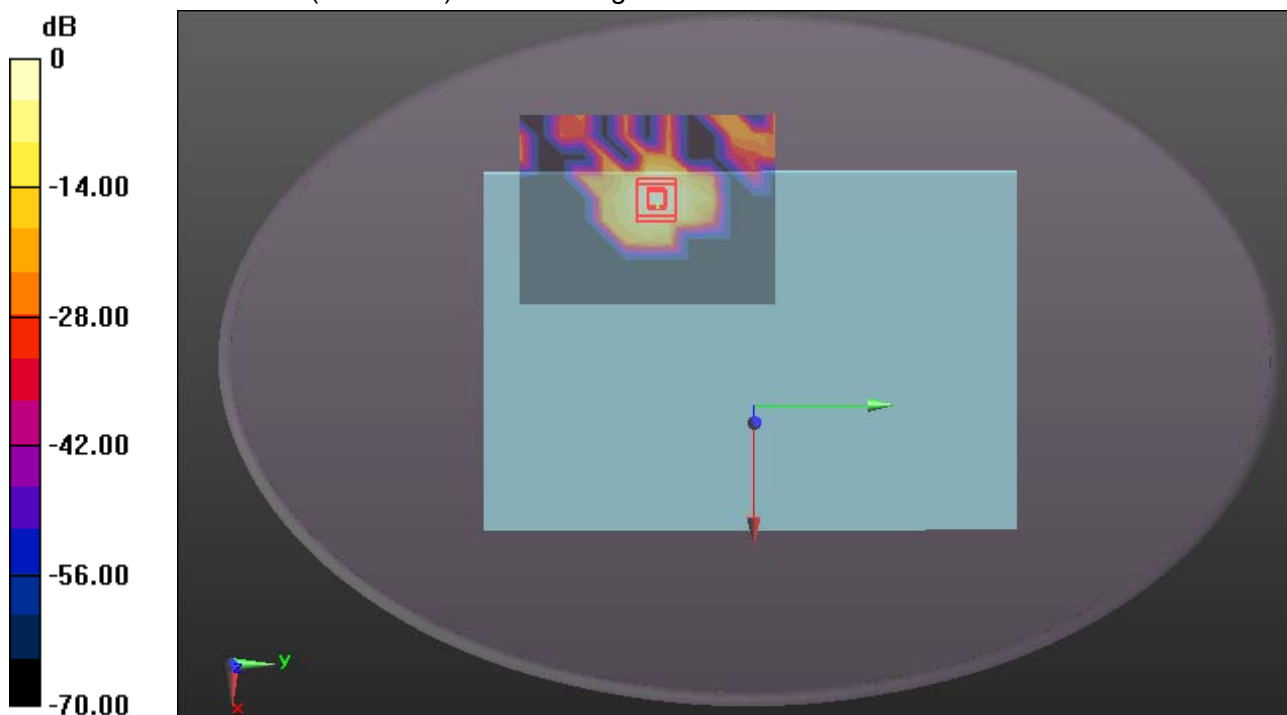
2.4GHz/Body Rear CH39 Chain0/Zoom Scan (7x7x5)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.841 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.107 W/kg



0 dB = 0.107 W/kg = -9.71 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Rear CH64 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: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.429$ S/m; $\epsilon_r = 48.47$; $\rho = 1000$ 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 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH64 Chain0 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.96 W/kg

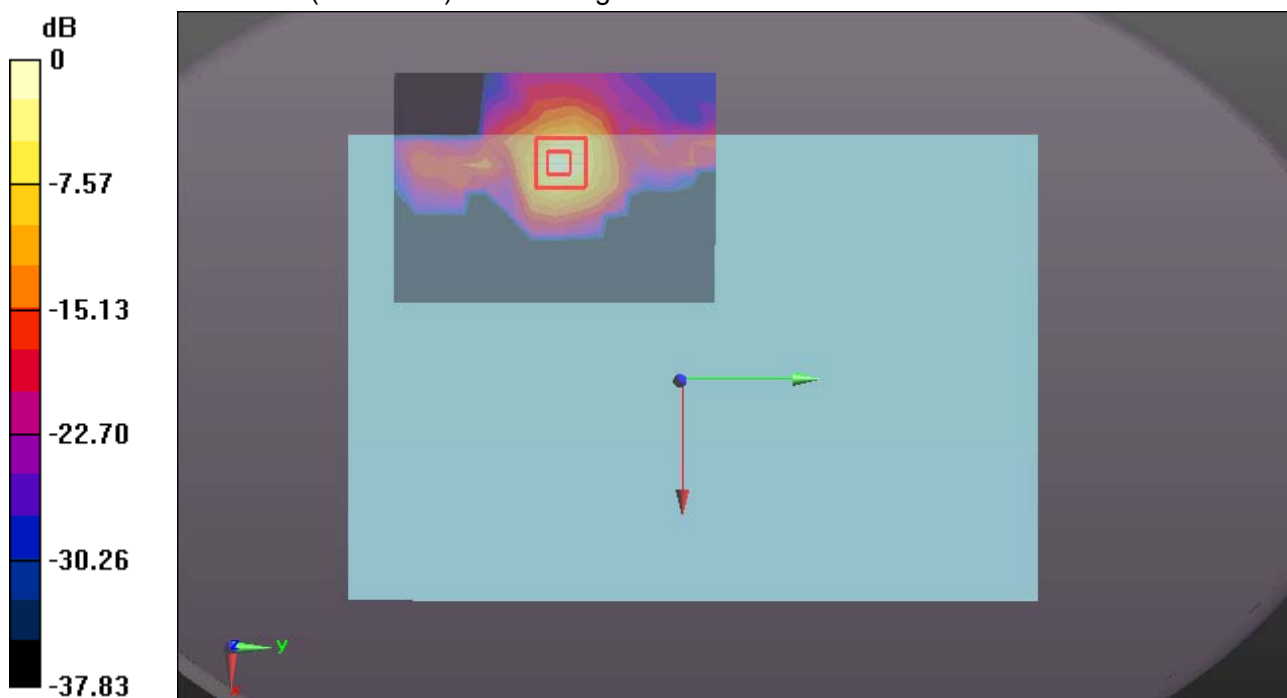
WIFI/IEEE802.11a Body Rear CH64 Chain0 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.064 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.41 W/kg

SAR(1 g) = 0.914 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 2.04 W/kg



0 dB = 2.04 W/kg = 3.10 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

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: 1:1

Medium parameters used: $f = 5500 \text{ MHz}$; $\sigma = 5.527 \text{ S/m}$; $\epsilon_r = 48.309$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3820; ConvF(3.94, 3.94, 3.94); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 (11x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.06 W/kg

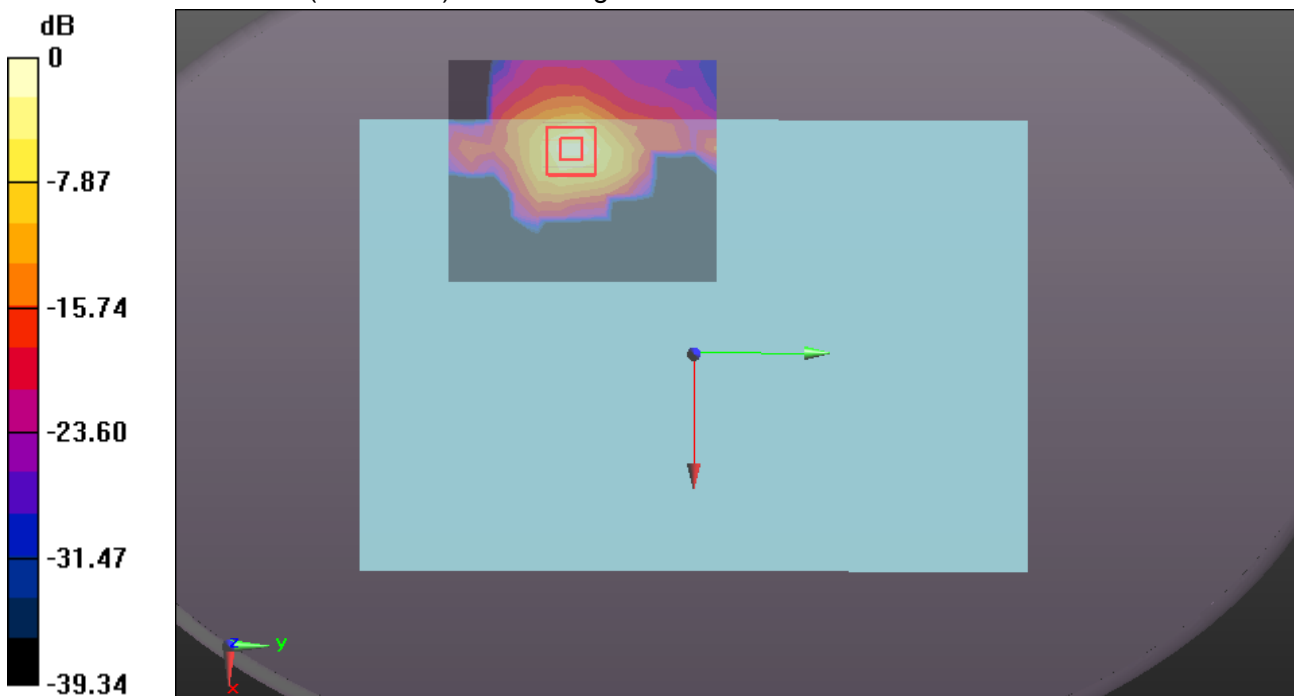
WIFI/IEEE802.11a Body Rear CH100 Chain0 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 1.021 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 5.03 W/kg

SAR(1 g) = 0.784 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 2.16 W/kg



0 dB = 2.16 W/kg = 3.34 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 8/4/2017

WIFI 802.11 a-Body Rear CH157 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: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 6.008$ S/m; $\epsilon_r = 47.581$; $\rho = 1000$ 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 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH157 Chain0 /Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.86 W/kg

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

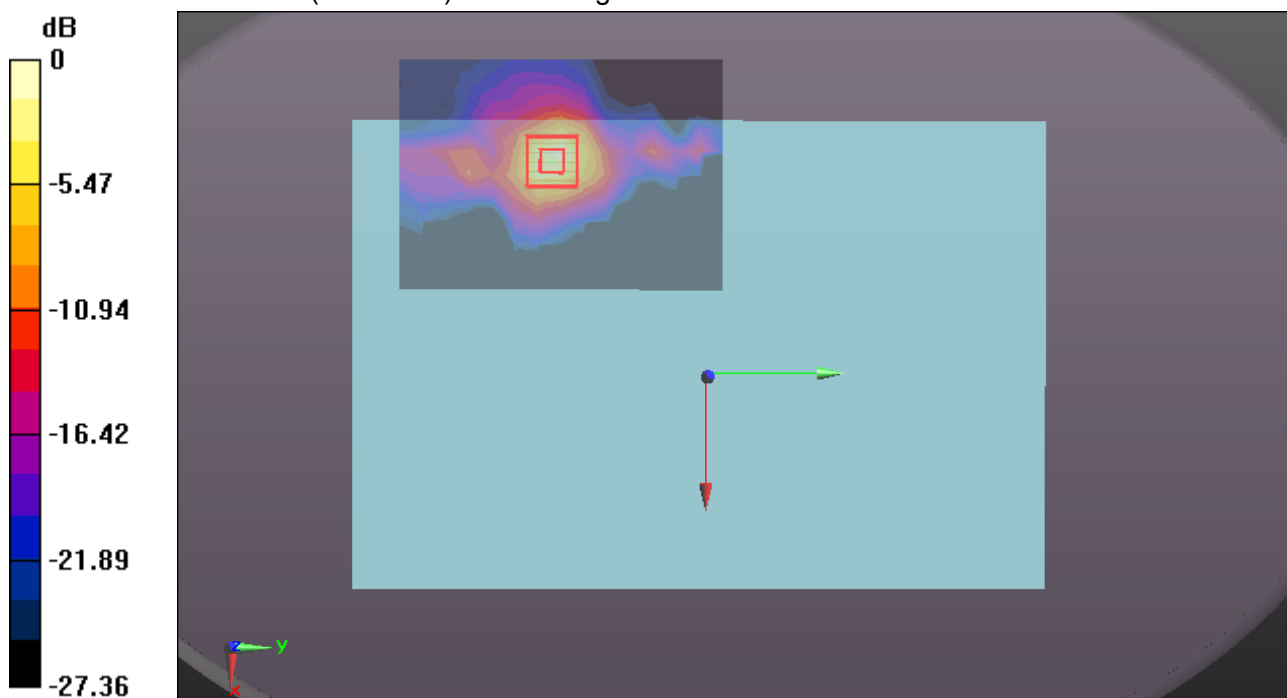
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.088 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 4.71 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 2.39 W/kg



0 dB = 2.39 W/kg = 3.78 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 9/22/2017

WIFI 802.11 a-Body Rear CH144 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: 5720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5720$ MHz; $\sigma = 6.034$ S/m; $\epsilon_r = 48.175$; $\rho = 1000$ 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 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 6/27/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 6/20/2017
- 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 CH144 Chain0 INPAQ antenna/Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

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

WIFI/IEEE802.11a Body Rear CH144 Chain0 INPAQ antenna/Zoom Scan (7x7x7)/Cube 0:

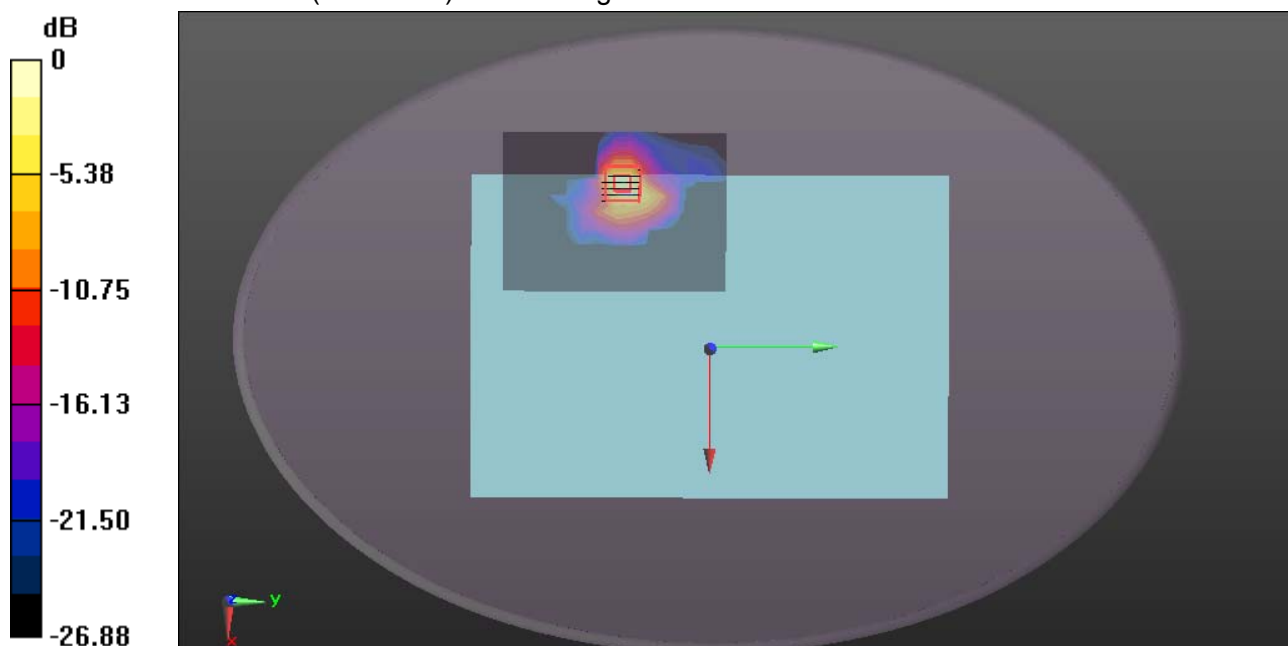
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.8941 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 4.40 W/kg

SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.216 W/kg

Maximum value of SAR (measured) = 2.54 W/kg



0 dB = 2.54 W/kg = 4.05 dBW/kg