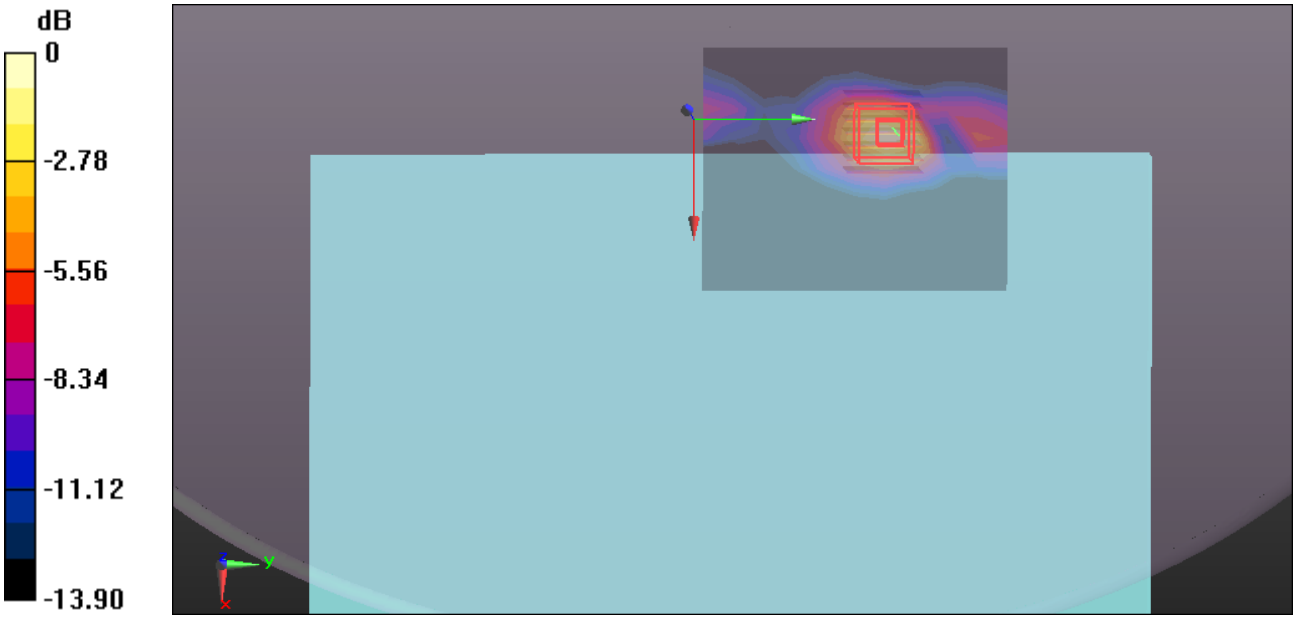
Test Laboratory: Compliance Certification Services Inc. Date: 7/19/2015
WIFI-Body 2.4G Rear CH6 Main Antenna
DUT: Notebook Computer ; Type: X1; Serial: N/A
Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.944 S/m; ε_r = 51.735; ρ = 1000 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 - SN3661; ConvF(7.31, 7.31, 7.31); Calibrated: 4/24/2015;
- Sensor-Surface: Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11b 2.4G Body Rear CH6 Main Antenna/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.371 W/kg

WIFI/IEEE802.11b 2.4G Body Rear CH6 Main Antenna/Zoom Scan (7x7x4)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.6210 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.524 W/kg
SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.357 W/kg



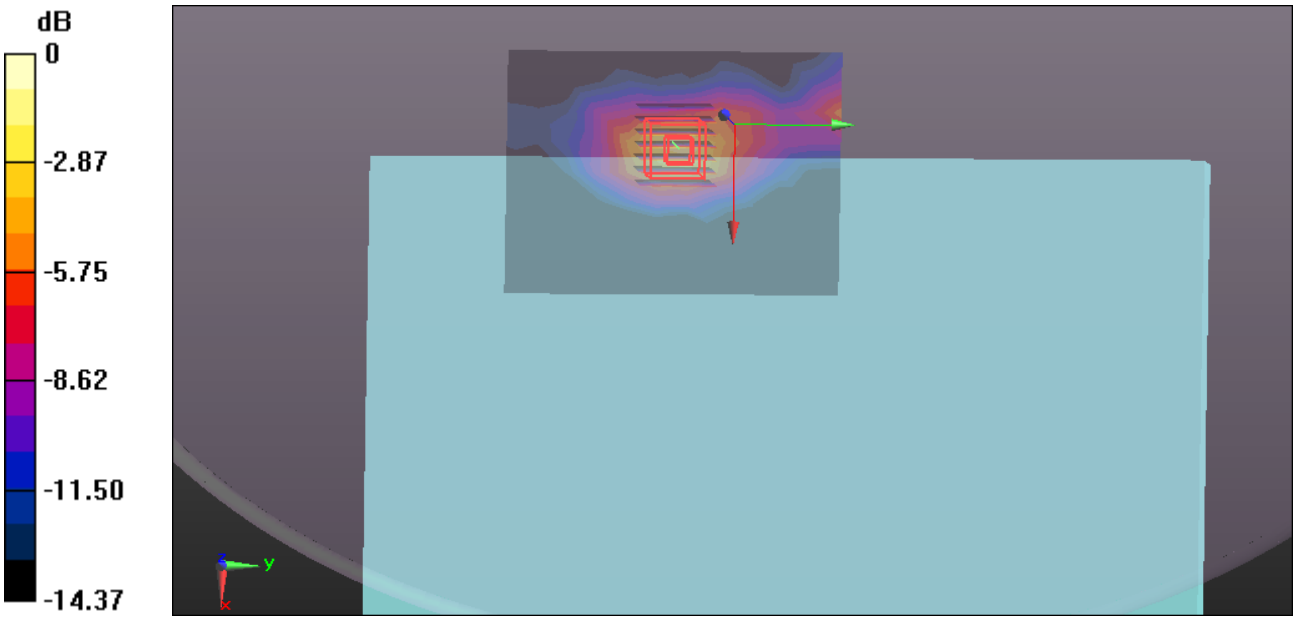
0 dB = 0.357 W/kg = -4.47 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 7/19/2015
WIFI-Body 2.4G Rear CH6 Aux Antenna
DUT: Notebook Computer ; Type: X1; 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; σ = 1.944 S/m; ε_r = 51.735; ρ = 1000 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 - SN3661; ConvF(7.31, 7.31, 7.31); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11b 2.4G Body Rear CH6 Aux Antenna/Area Scan (9x12x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.131 W/kg

WIFI/IEEE802.11b 2.4G Body Rear CH6 Aux Antenna/Zoom Scan (7x7x4)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.151 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.045 W/kg
Maximum value of SAR (measured) = 0.158 W/kg



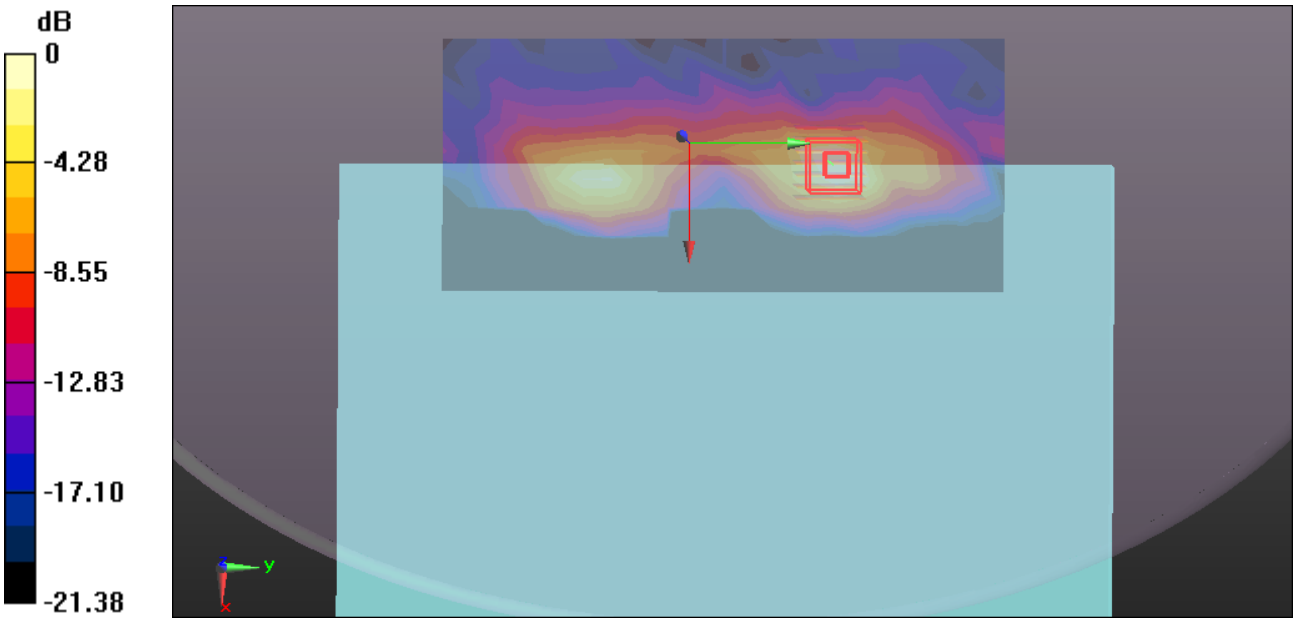
0 dB = 0.158 W/kg = -8.01 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 12/8/2015
WIFI-Body 2.4G n20 Main + Aux CH6
DUT: Notebook Computer ; Type: SOUTH-TOP X1; Serial: N/A
Communication System: UID 0, IEEE802.11n 20 (0); Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.942 S/m; ε_r = 51.839; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/24/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11n20 2.4G Body CH6/Area Scan (10x21x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0920 W/kg

WIFI/IEEE802.11n20 2.4G Body CH6/Zoom Scan (7x7x4)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.506 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.029 W/kg
Maximum value of SAR (measured) = 0.0977 W/kg



0 dB = 0.0977 W/kg = -10.10 dBW/kg

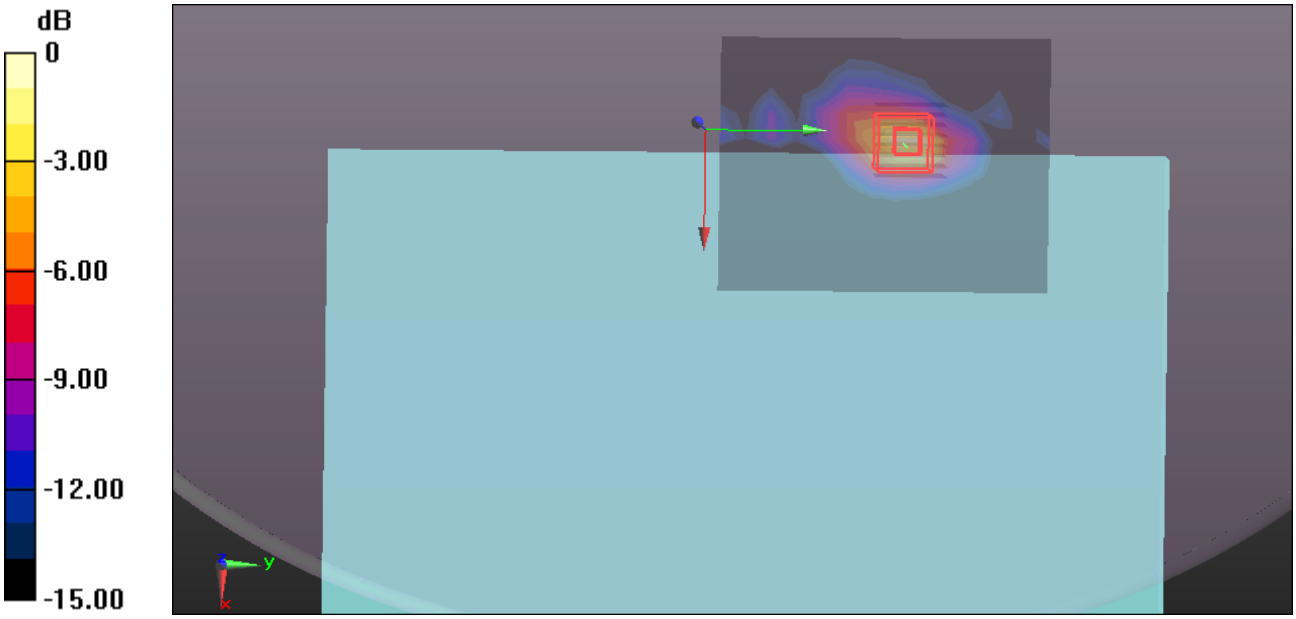
Test Laboratory: Compliance Certification Services Inc. Date: 7/19/2015
WIFI-Body 5G Rear CH48 Main Antenna
DUT: Notebook Computer ; Type: X1; Serial: N/A
Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.354 S/m; ε_r = 47.807; ρ = 1000 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 - SN3661; ConvF(4.92, 4.92, 4.92); Calibrated: 4/24/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11a Body Rear CH48 Main Antenna/Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.70 W/kg

WIFI/IEEE802.11a Body Rear CH48 Main Antenna/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.03 W/kg
SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.234 W/kg

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



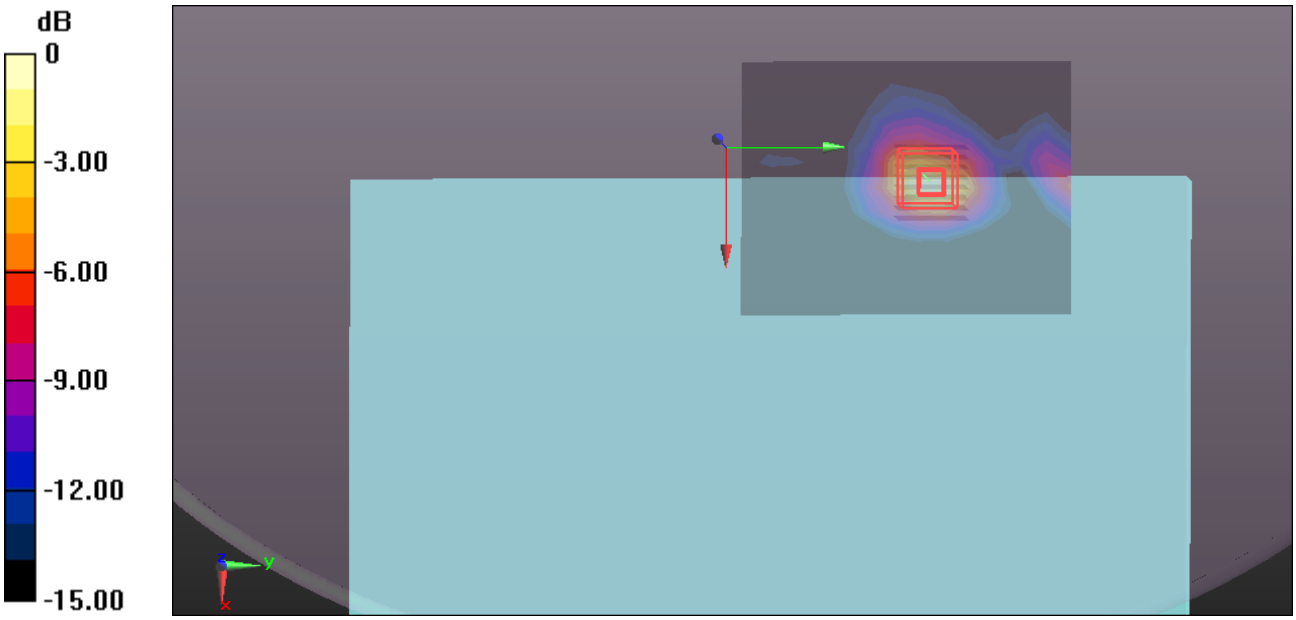
0 dB = 1.99 W/kg = 2.99 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 7/19/2015
WIFI-Body 5G Rear CH157 Main Antenna
DUT: Notebook Computer ; Type: X1; 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; σ = 6.133 S/m; ε_r = 46.554; ρ = 1000 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 - SN3661; ConvF(4.35, 4.35, 4.35); Calibrated: 4/11/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11a Body Rear CH157 Main Antenna/Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.69 W/kg

WIFI/IEEE802.11a Body Rear CH157 Main Antenna/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.548 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.193 W/kg
Maximum value of SAR (measured) = 1.66 W/kg



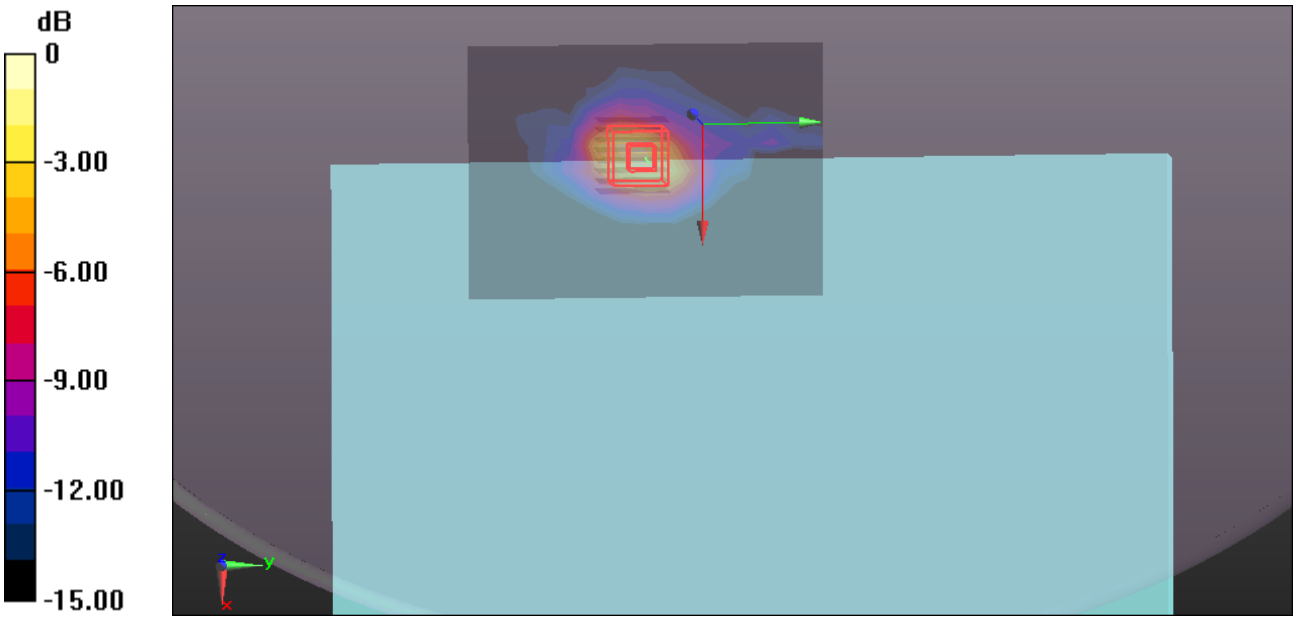
0 dB = 1.66 W/kg = 2.20 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 7/19/2015
WIFI-Body 5G Rear CH44 Aux Antenna
DUT: Notebook Computer ; Type: X1; Serial: N/A
Communication System: UID 0, IEEE 802.11 a (0); Communication System Band: 5G Band I; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.326 S/m; ε_r = 47.867; ρ = 1000 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 - SN3661; ConvF(4.92, 4.92, 4.92); Calibrated: 4/24/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11a Body Rear CH44 Aux Antenna/Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.18 W/kg

WIFI/IEEE802.11a Body Rear CH44 Aux Antenna/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.437 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.14 W/kg
SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.210 W/kg
Maximum value of SAR (measured) = 1.59 W/kg



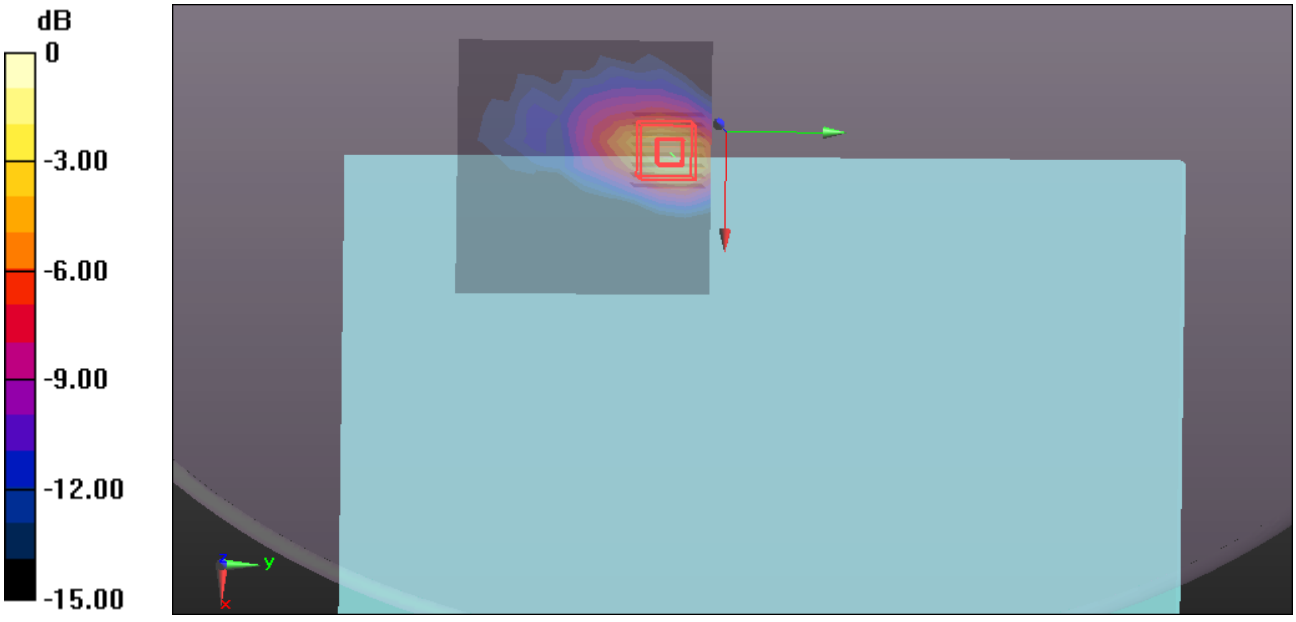
0 dB = 1.59 W/kg = 2.01 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 7/19/2015
WIFI-Body 5G Rear CH165 Aux Antenna
DUT: Notebook Computer ; Type: X1; 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; σ = 6.185 S/m; ε_r = 46.495; ρ = 1000 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 - SN3661; ConvF(4.35, 4.35, 4.35); Calibrated: 4/11/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11a Body Rear CH165 Aux Antenna/Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.938 W/kg

WIFI/IEEE802.11a Body Rear CH165 Aux Antenna/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.388 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.65 W/kg
SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.152 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



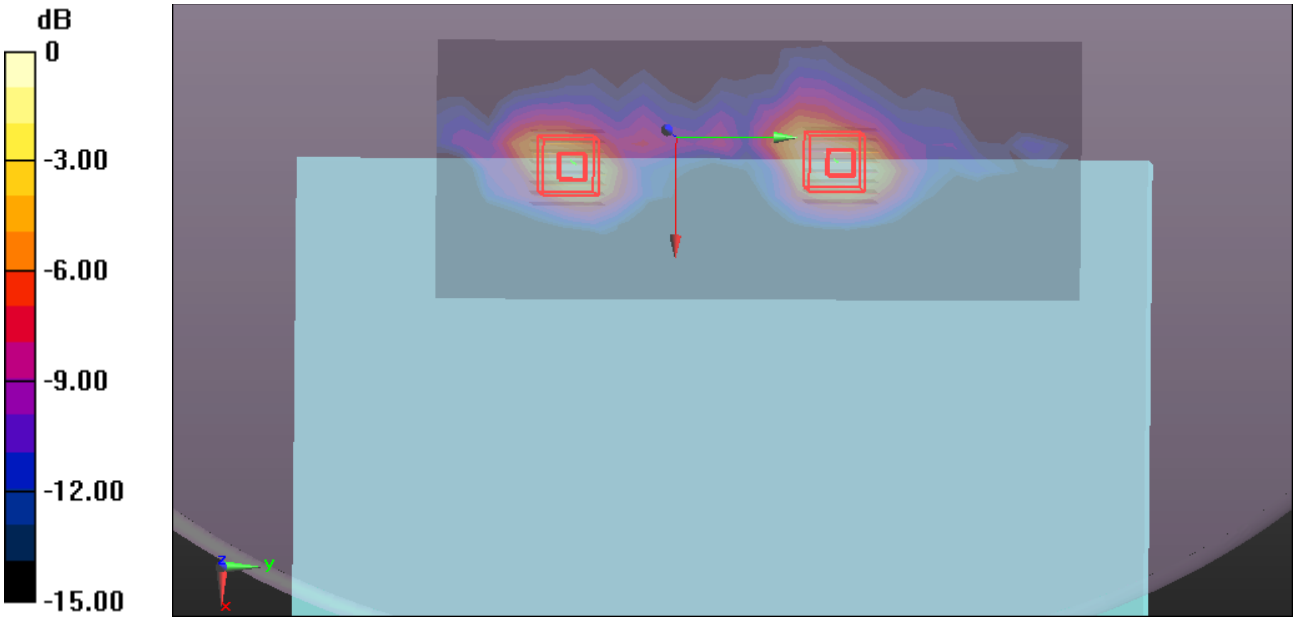
0 dB = 1.26 W/kg = 1.00 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 12/8/2015
WIFI-Body 5G n40 Main + Aux CH46
DUT: Notebook Computer ; Type: SOUTH-TOP X1; Serial: N/A
Communication System: UID 0, IEEE802.11 n40 5G (0); Communication System Band: 5G Band I; Frequency: 5230 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5230 MHz; σ = 5.155 S/m; ε_r = 49.963; ρ = 1000 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(4.64, 4.64, 4.64); Calibrated: 7/24/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11n40 Body CH46/Area Scan (11x26x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.828 W/kg
WIFI/IEEE802.11n40 Body CH46/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.484 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.122 W/kg
Maximum value of SAR (measured) = 0.906 W/kg

WIFI/IEEE802.11n40 Body CH46/Zoom Scan (8x8x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.484 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.086 W/kg
Maximum value of SAR (measured) = 0.616 W/kg



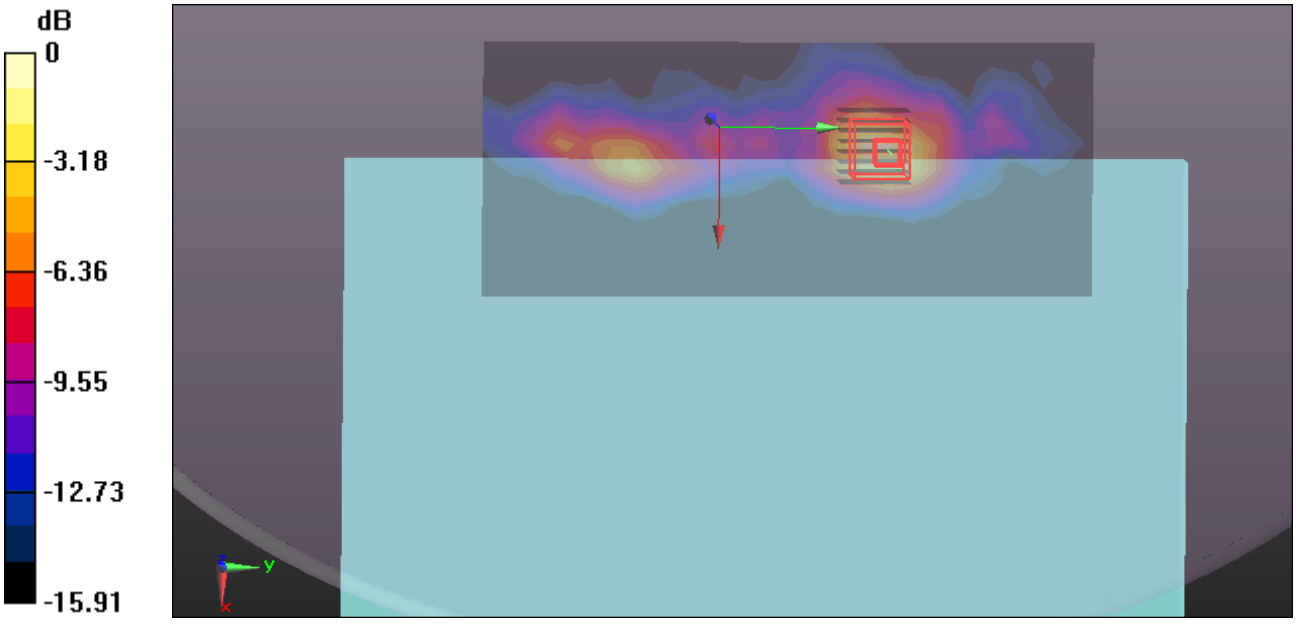
0 dB = 0.616 W/kg = -2.10 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 12/8/2015
WIFI-Body 5G n40 Main + Aux CH159
DUT: Notebook Computer ; Type: SOUTH-TOP X1; Serial: N/A
Communication System: UID 0, IEEE802.11 n40 5G (0); Communication System Band: 5G Band IV; Frequency: 5795 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.038 S/m; ε_r = 49.634; ρ = 1000 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(4.16, 4.16, 4.16); Calibrated: 7/24/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11n40 Body CH159/Area Scan (11x25x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.544 W/kg

WIFI/IEEE802.11n40 Body CH159/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 2.574 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.091 W/kg
Maximum value of SAR (measured) = 0.647 W/kg



0 dB = 0.647 W/kg = -1.89 dBW/kg