Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
GSM 850-Right Head Cheek Low CH128
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.905 S/m; ε_r = 42.969; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

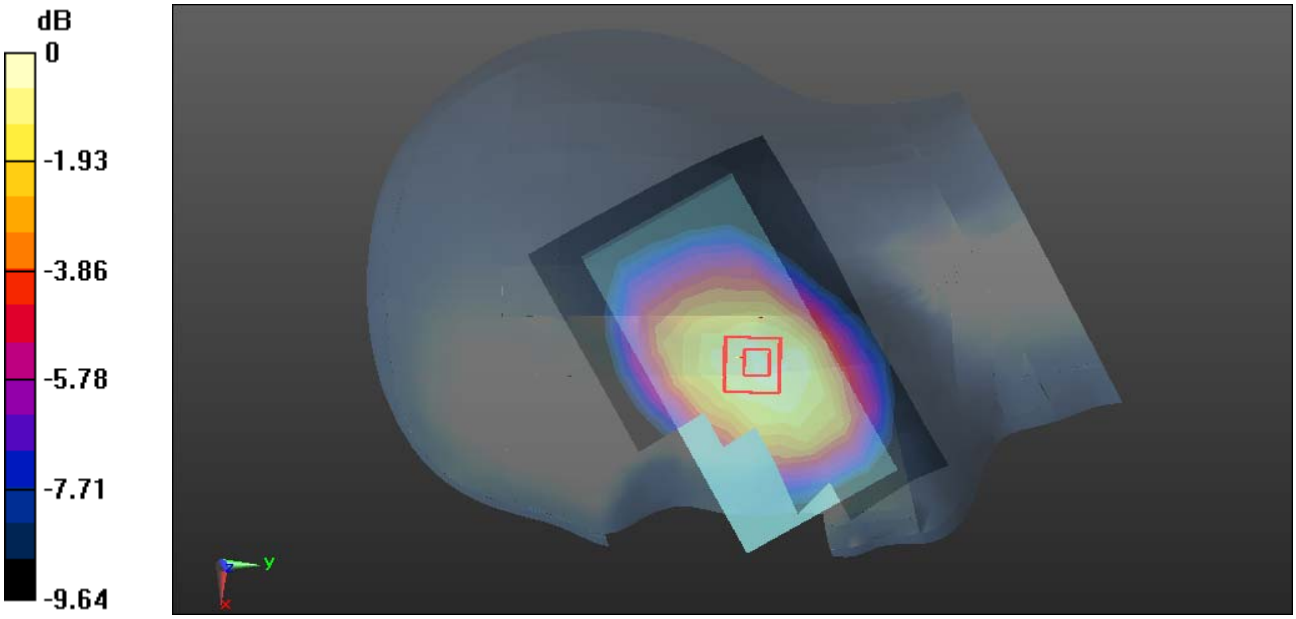
- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GSM 850/Right Head Cheek Low CH128/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.322 W/kg

GSM 850/Right Head Cheek Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.189 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.385 W/kg
SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.226 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg = -4.63 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
GSM 850-Right Head Tilted Low CH128
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.905 S/m; ε_r = 42.969; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

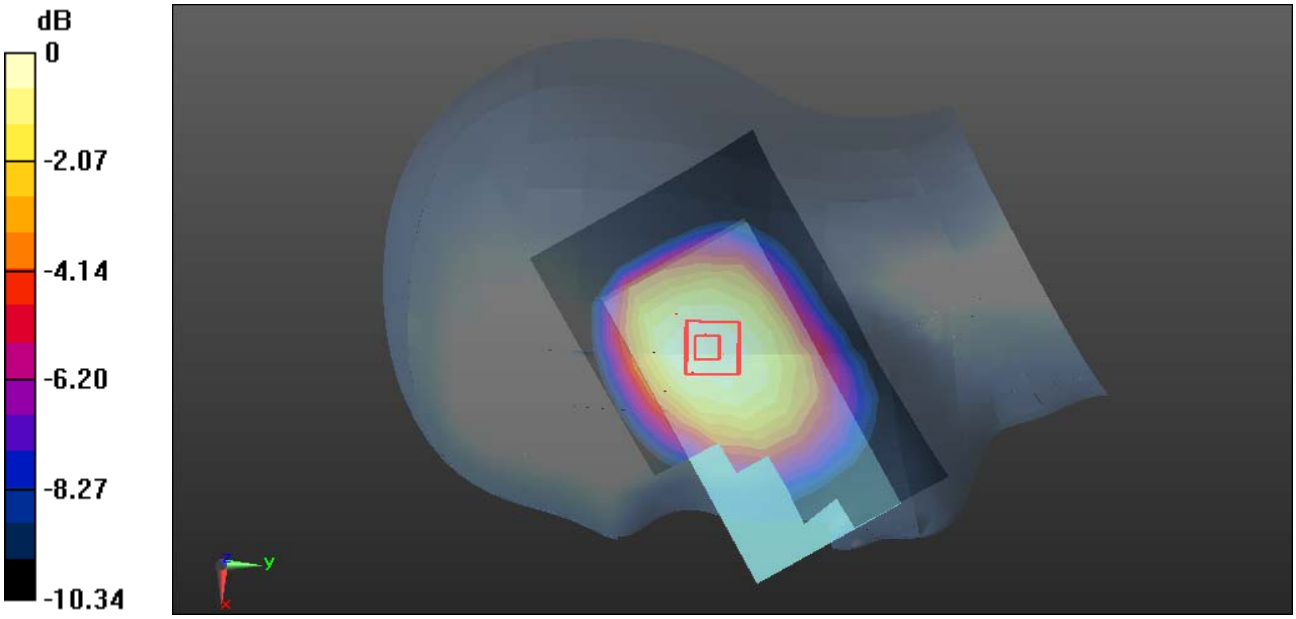
- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GSM 850/Right Head Tilted Low CH128/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.365 W/kg

GSM 850/Right Head Tilted Low CH128/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.99 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.409 W/kg
SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.261 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.373 W/kg



0 dB = 0.373 W/kg = -4.28 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
GSM 850-Left Head Cheek Low CH128
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.905 S/m; ε_r = 42.969; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

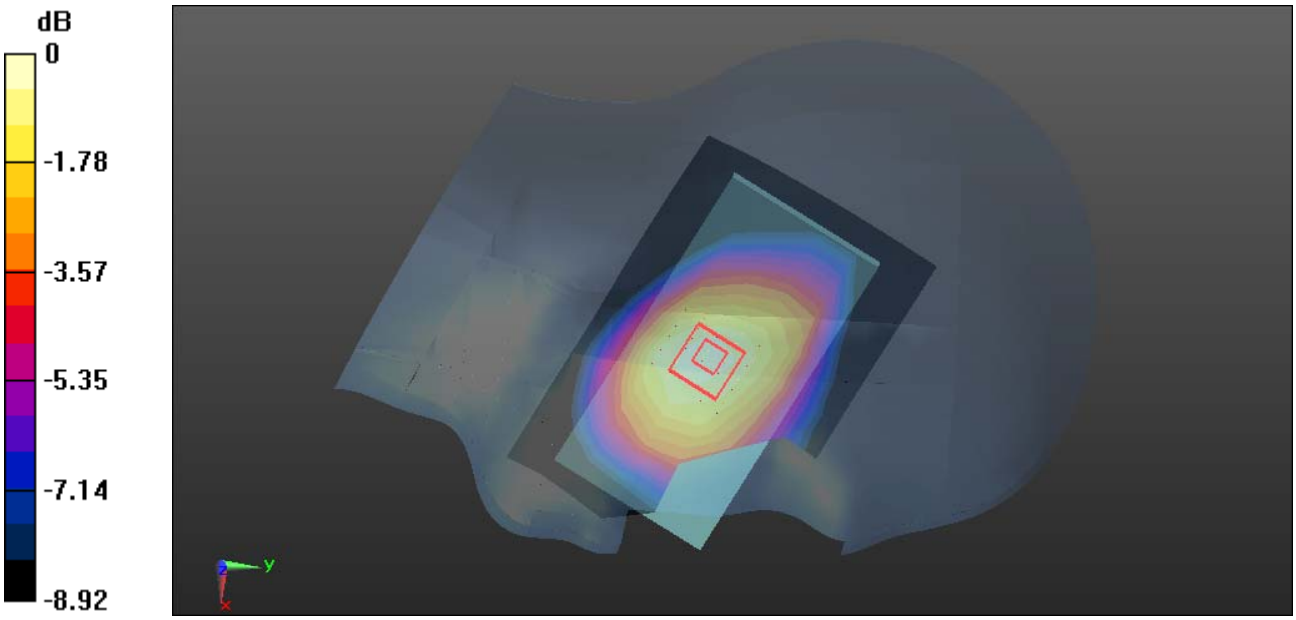
- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GSM 850/Left Head Cheek Low CH128/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.316 W/kg

GSM 850/Left Head Cheek Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.564 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.367 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.228 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.335 W/kg



0 dB = 0.335 W/kg = -4.75 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
GSM 850-Left Head Tilted Low CH128
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.905 S/m; ε_r = 42.969; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

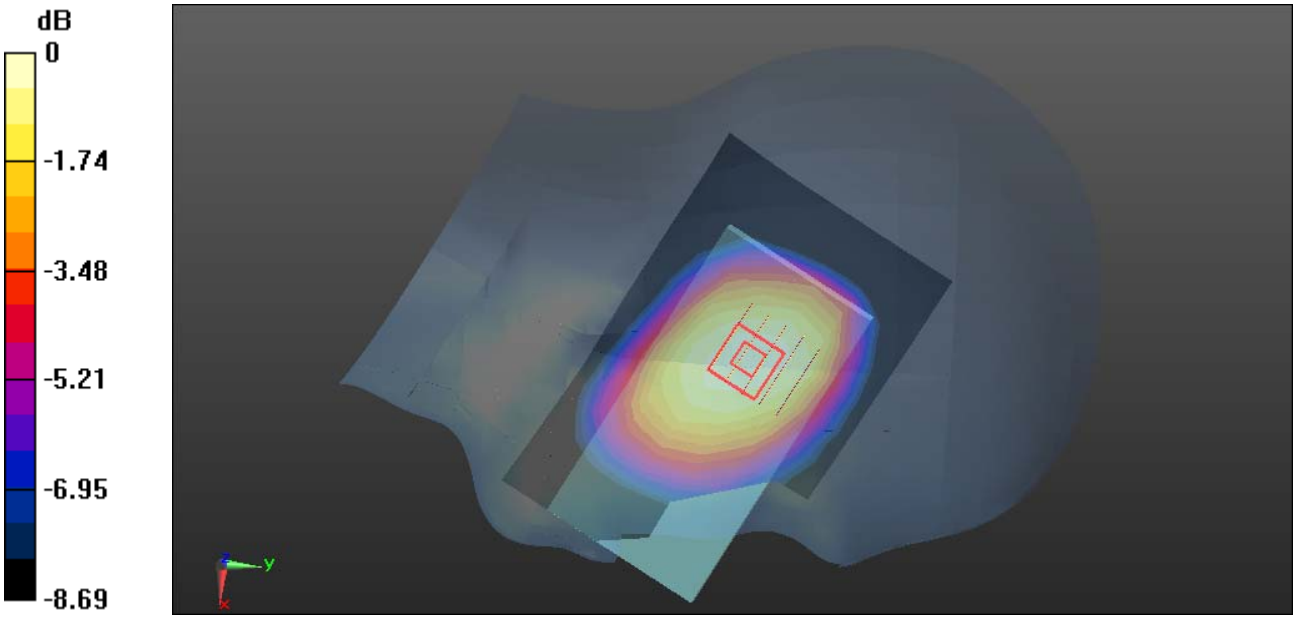
GSM 850/Left Head Tilted Low CH128/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.302 W/kg

GSM 850/Left Head Tilted Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.96 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.336 W/kg
SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.217 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.310 W/kg



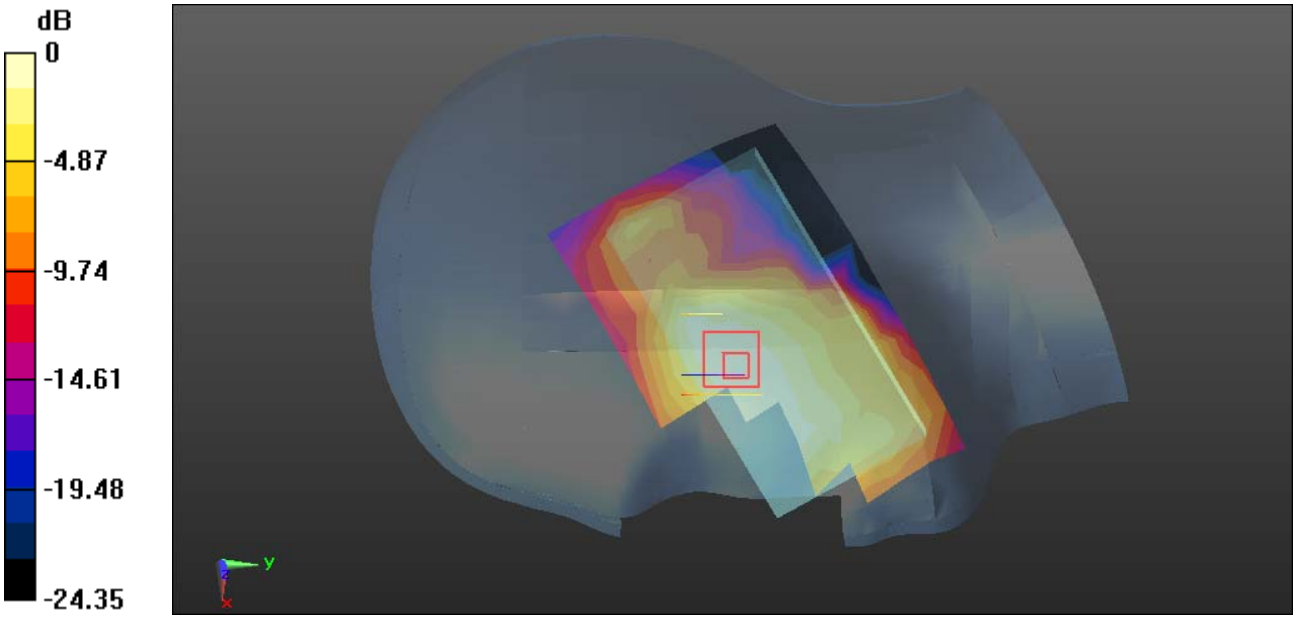
0 dB = 0.310 W/kg = -5.09 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
GSM 1900-Right Head Cheek Middle CH661
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.375 S/m; ε_r = 39.538; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

PCS 1900/Right Head Cheek Middle CH661/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.106 W/kg

PCS 1900/Right Head Cheek Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.353 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.045 W/kg



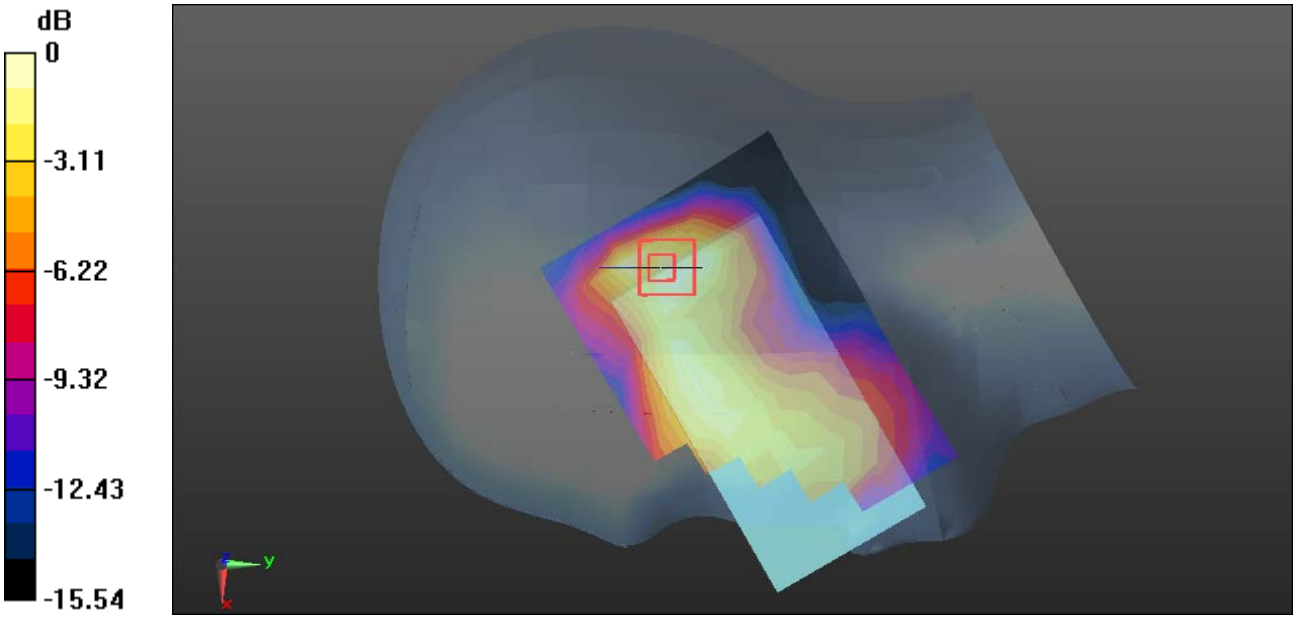
0 dB = 0.106 W/kg = -9.75 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
GSM 1900-Right Head Tilted Middle CH661
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.375 S/m; ε_r = 39.538; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

PCS 1900/Right Head Tilted Middle CH661/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0356 W/kg

PCS 1900/Right Head Tilted Middle CH661/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.319 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.0560 W/kg
SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.013 W/kg
Maximum value of SAR (measured) = 0.0401 W/kg



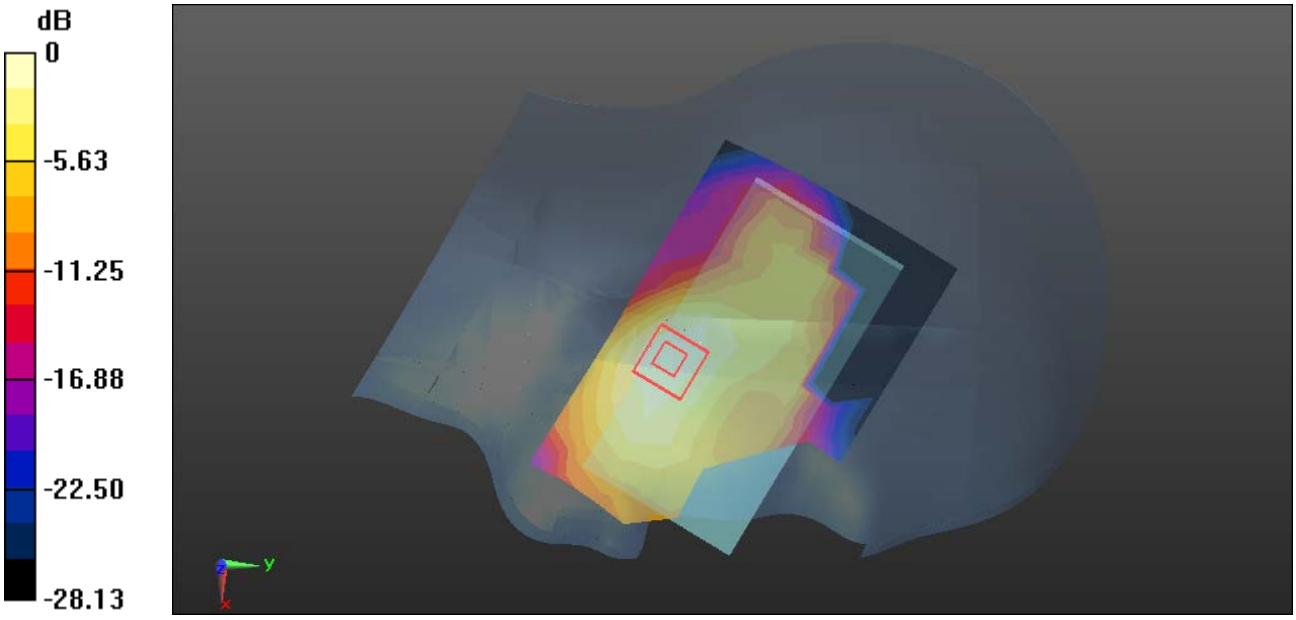
0 dB = 0.0401 W/kg = -13.97 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
GSM 1900-Left Head Cheek Middle CH661
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.375 S/m; ε_r = 39.538; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

PCS 1900/Left Head Cheek Middle CH661/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.105 W/kg

PCS 1900/Left Head Cheek Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.836 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.044 W/kg
Maximum value of SAR (measured) = 0.113 W/kg



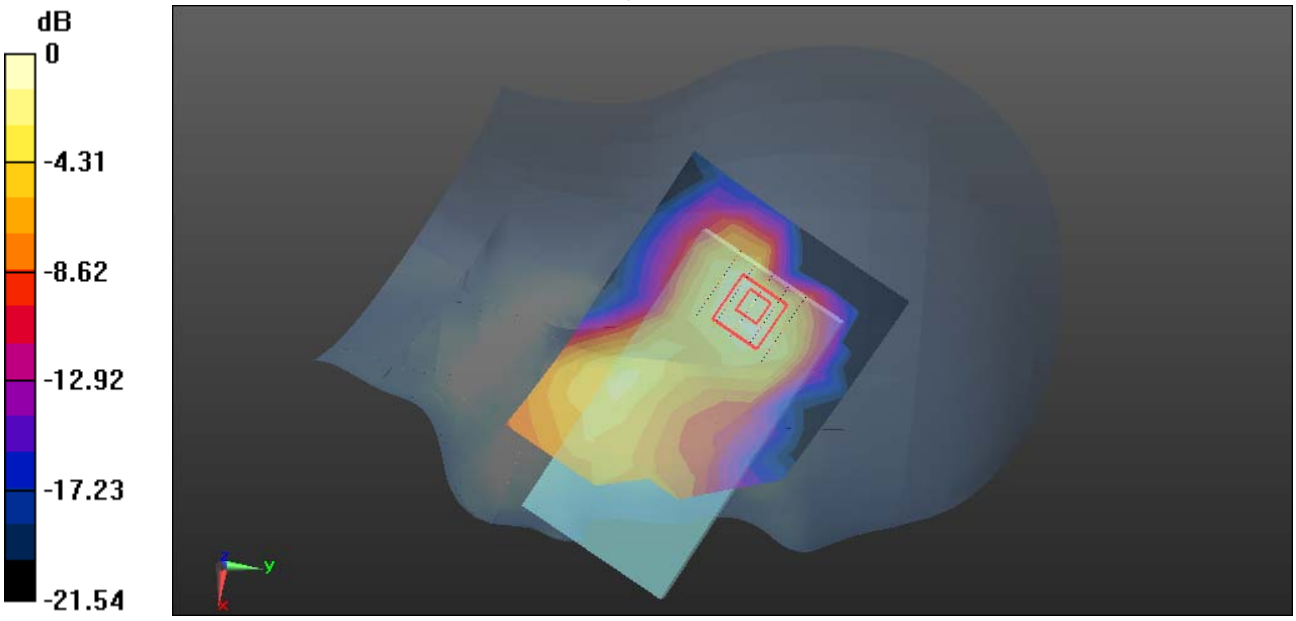
0 dB = 0.113 W/kg = -9.47 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
GSM 1900-Left Head Tilted Middle CH661
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.375 S/m; ε_r = 39.538; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

PCS 1900/Left Head Tilted Middle CH661/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0314 W/kg

PCS 1900/Left Head Tilted Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.013 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.0520 W/kg
SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0397 W/kg



0 dB = 0.0397 W/kg = -14.01 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Right Head Cheek Low CH9262
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.347 S/m; ε_r = 39.615; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

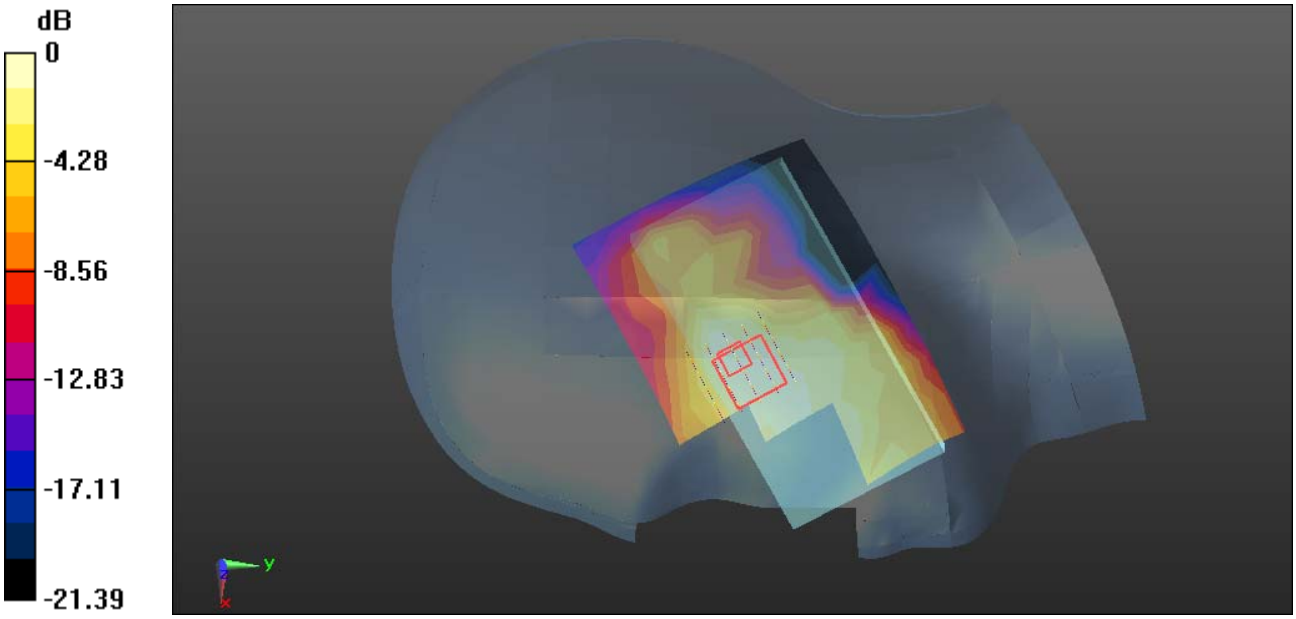
- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Right Head Cheek Low CH9262/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.136 W/kg

WCDMA Band II/Right Head Cheek Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.803 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.184 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.059 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg = -8.54 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Right Head Tilted Low CH9262
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.347 S/m; ε_r = 39.615; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

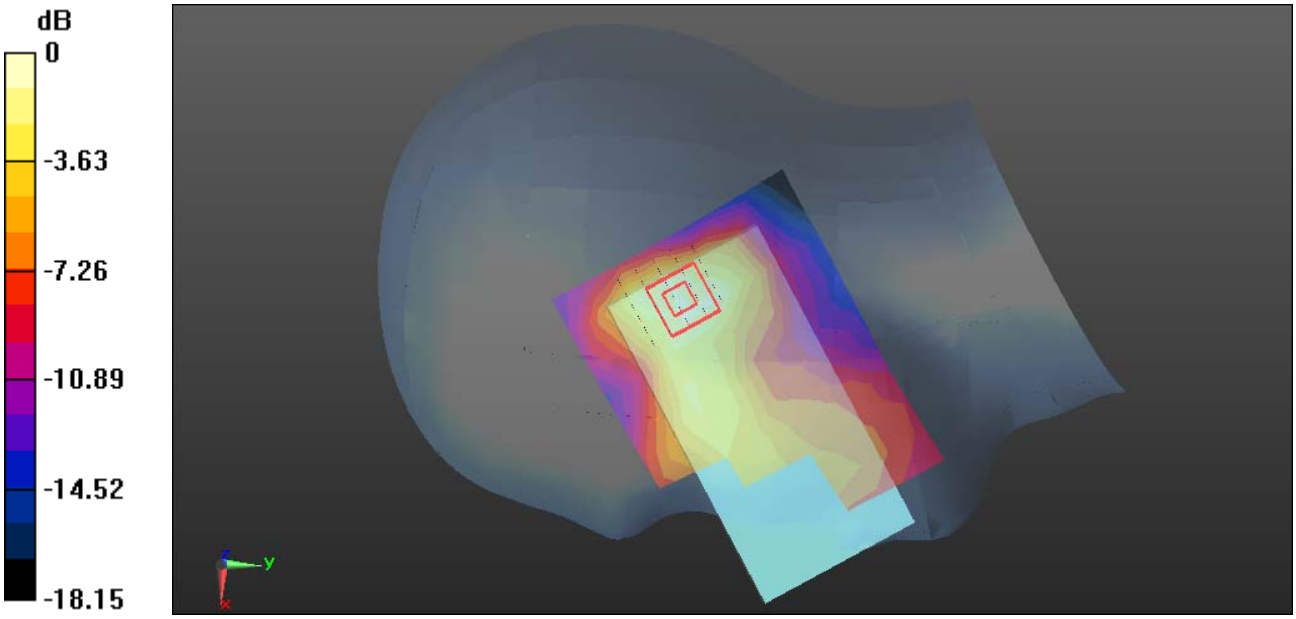
- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Right Head Tilted Low CH9262/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0477 W/kg

WCDMA Band II/Right Head Tilted Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.211 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.0790 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.021 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0574 W/kg



0 dB = 0.0574 W/kg = -12.41 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Left Head Cheek Low CH9262
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.347 S/m; ε_r = 39.615; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

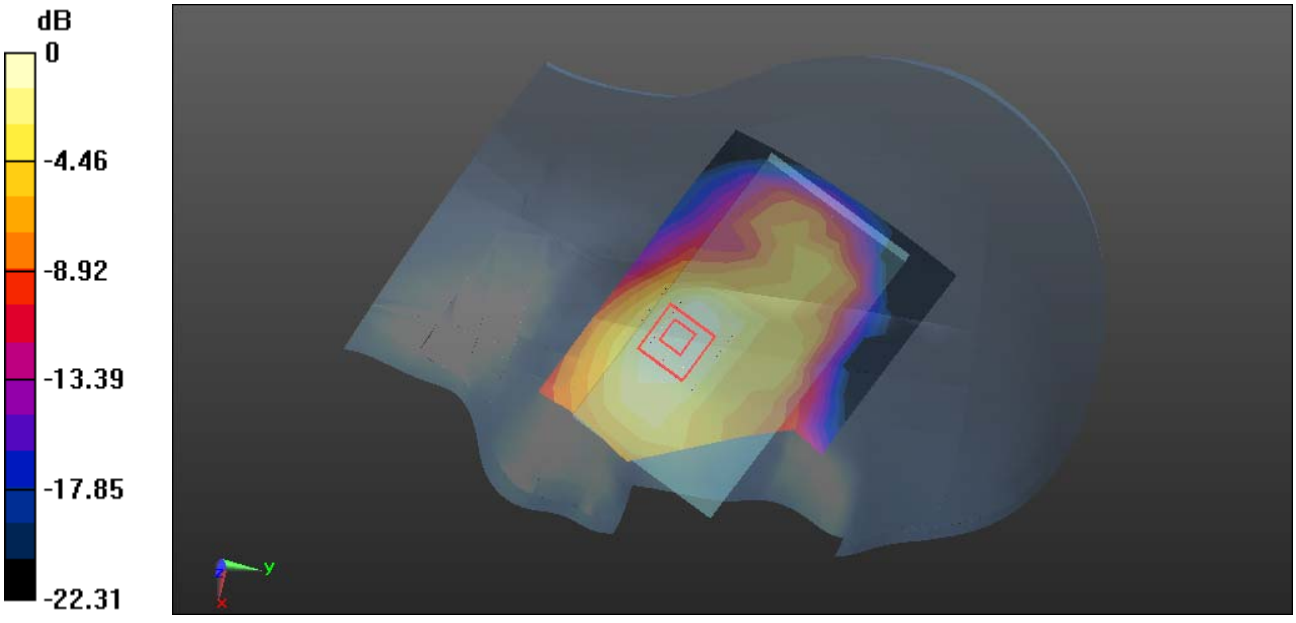
- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Left Head Cheek Low CH9262/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.226 W/kg

WCDMA Band II/Left Head Cheek Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.867 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.086 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.202 W/kg



0 dB = 0.202 W/kg = -6.95 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Left Head Tilted Low CH9262
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.347 S/m; ε_r = 39.615; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

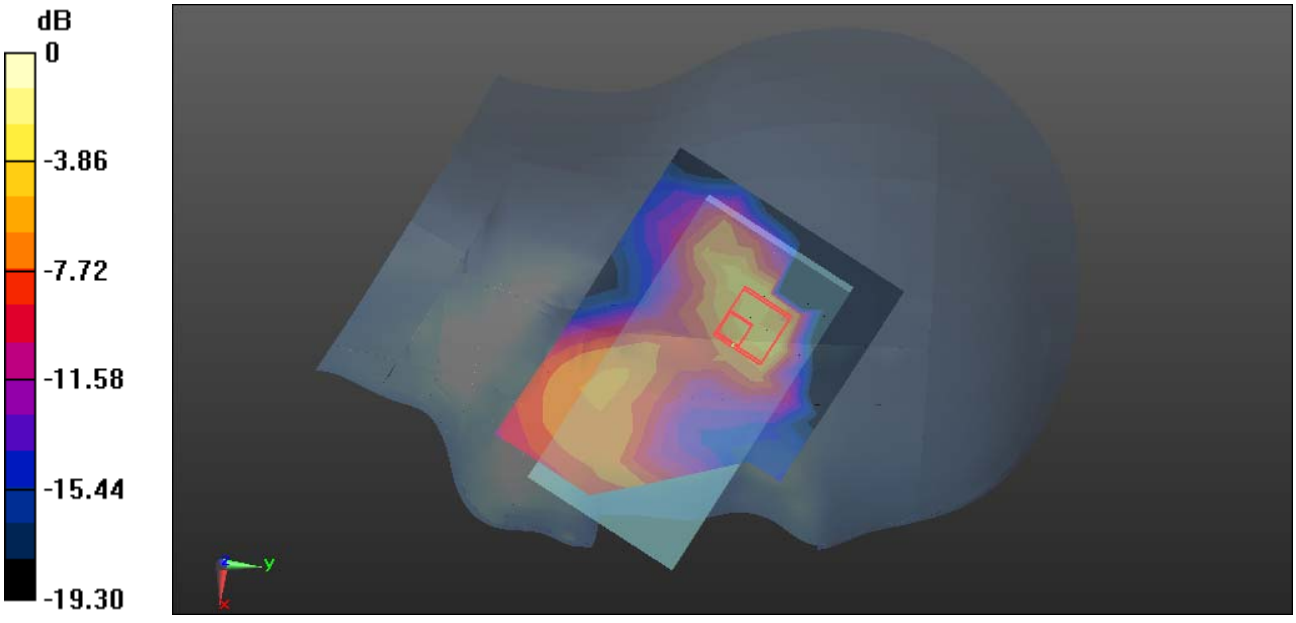
WCDMA Band II/Left Head Tilted Low CH9262/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0296 W/kg

WCDMA Band II/Left Head Tilted Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.774 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.013 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0754 W/kg



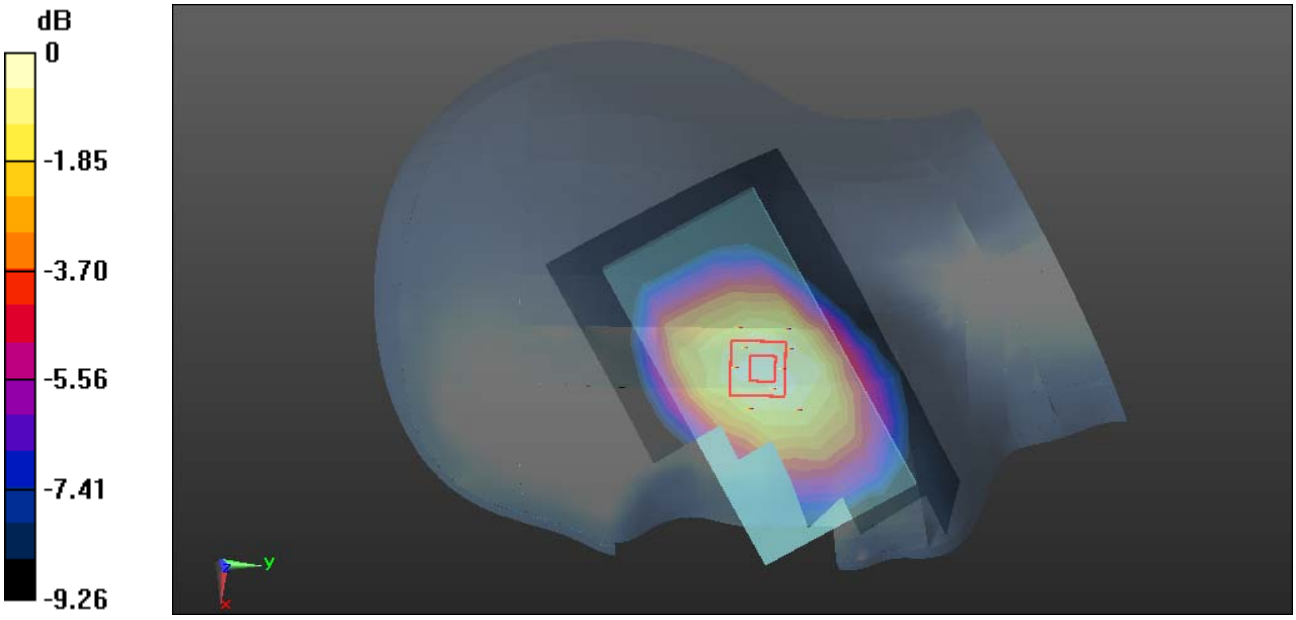
0 dB = 0.0754 W/kg = -11.23 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
WCDMA Band V-Right Head Cheek Low CH4132
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.5 MHz; σ = 0.908 S/m; ε_r = 42.953; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band V/Right Head Cheek Low CH4132/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.298 W/kg

WCDMA Band V/Right Head Cheek Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.375 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.340 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.220 W/kg
Maximum value of SAR (measured) = 0.314 W/kg



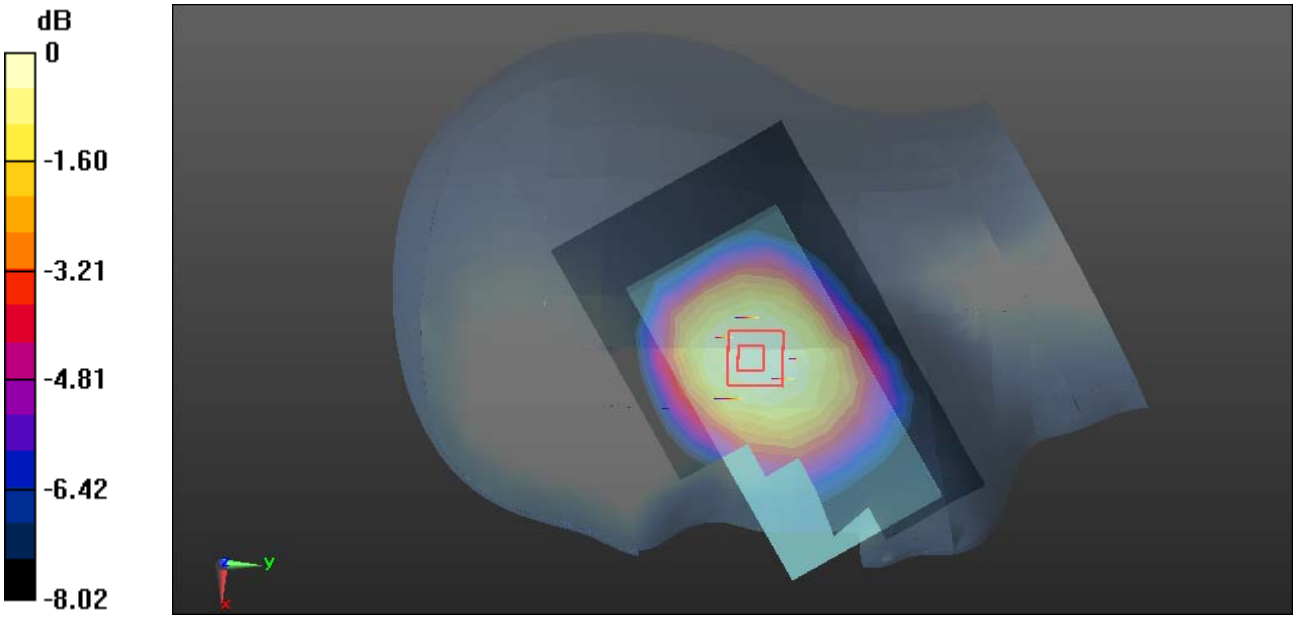
0 dB = 0.314 W/kg = -5.03 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
WCDMA Band V-Right Head Tilted Low CH4132
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.5 MHz; σ = 0.908 S/m; ε_r = 42.953; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band V/Right Head Tilted Low CH4132/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.194 W/kg

WCDMA Band V/Right Head Tilted Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.056 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.210 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.137 W/kg
Maximum value of SAR (measured) = 0.192 W/kg



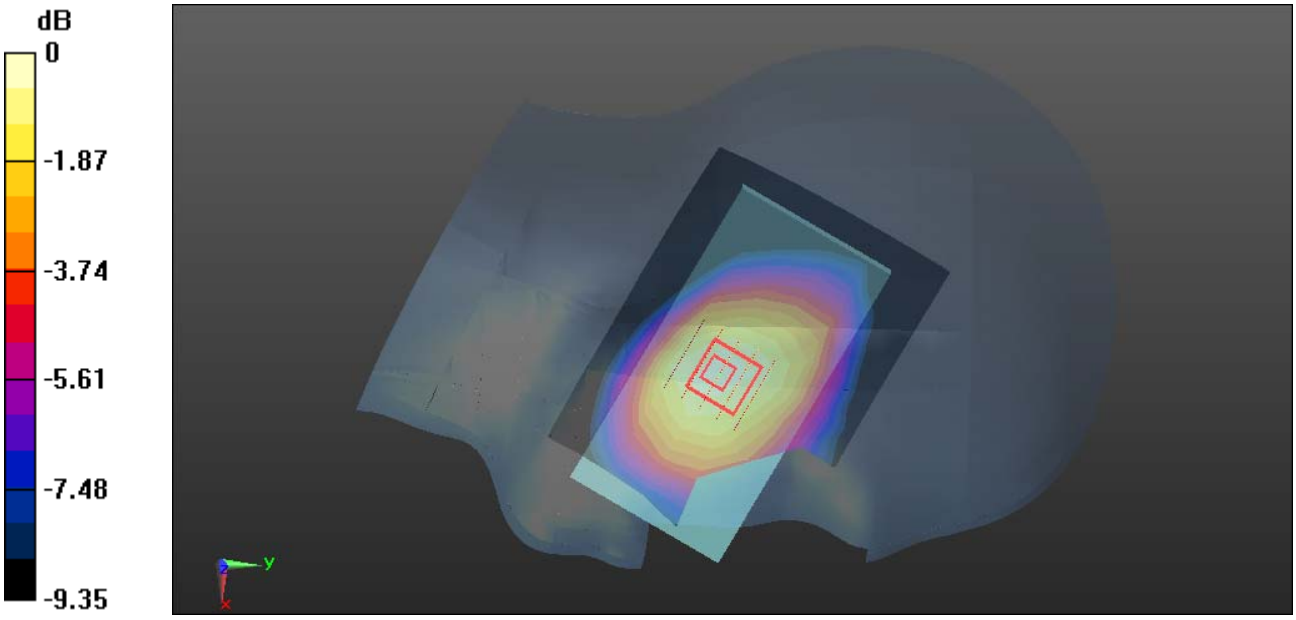
0 dB = 0.192 W/kg = -7.17 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
WCDMA Band V-Left Head Cheek Low CH4132
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.5 MHz; σ = 0.908 S/m; ε_r = 42.953; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band V/Left Head Cheek Low CH4132/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.248 W/kg

WCDMA Band V/Left Head Cheek Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.893 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.289 W/kg
SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.179 W/kg
Maximum value of SAR (measured) = 0.264 W/kg



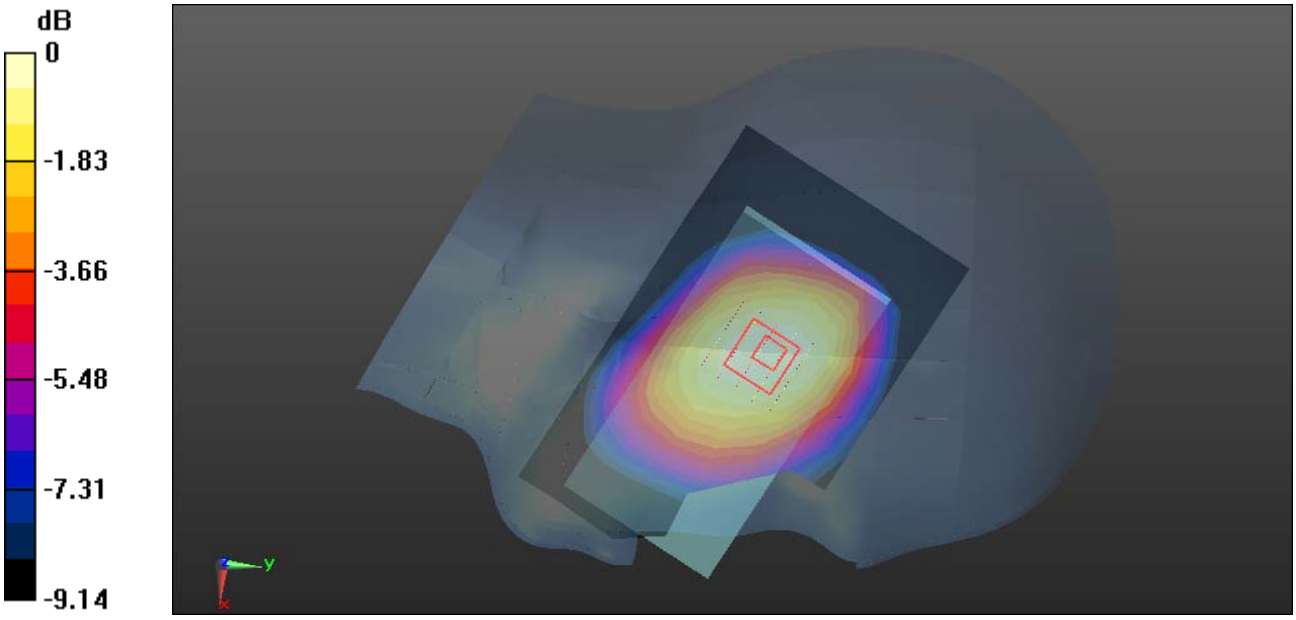
0 dB = 0.264 W/kg = -5.78 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
WCDMA Band V-Left Head Tilted Low CH4132
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.5 MHz; σ = 0.908 S/m; ε_r = 42.953; ρ = 1000 kg/m^3
Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band V/Left Head Tilted Low CH4132/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.189 W/kg

WCDMA Band V/Left Head Tilted Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.506 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.212 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.137 W/kg
Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.194 W/kg = -7.12 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
GPRS 850-Body Front Low CH128
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.983 S/m; ε_r = 55.53; 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:

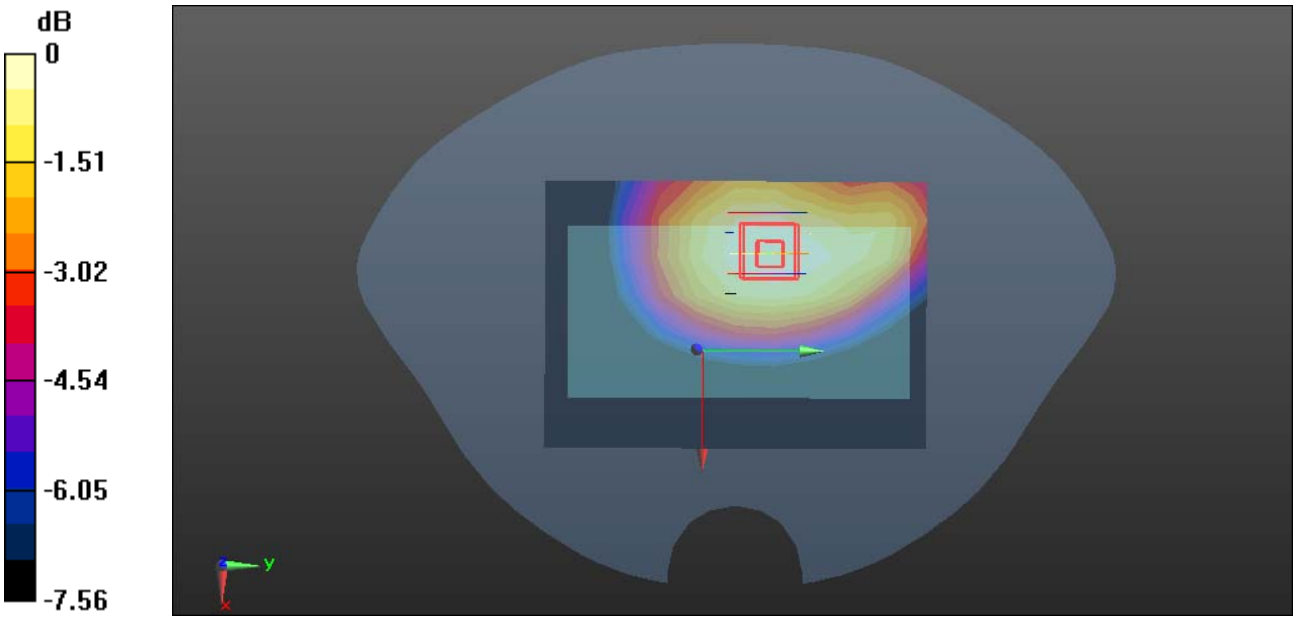
- Probe: EX3DV4 - SN3661; ConvF(9.68, 9.68, 9.68); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS 850/Body Front Low CH128/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.478 W/kg

GPRS 850/Body Front Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.24 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.325 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
GPRS 850-Body Rear Low CH128
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.983 S/m; ε_r = 55.53; 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(9.68, 9.68, 9.68); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

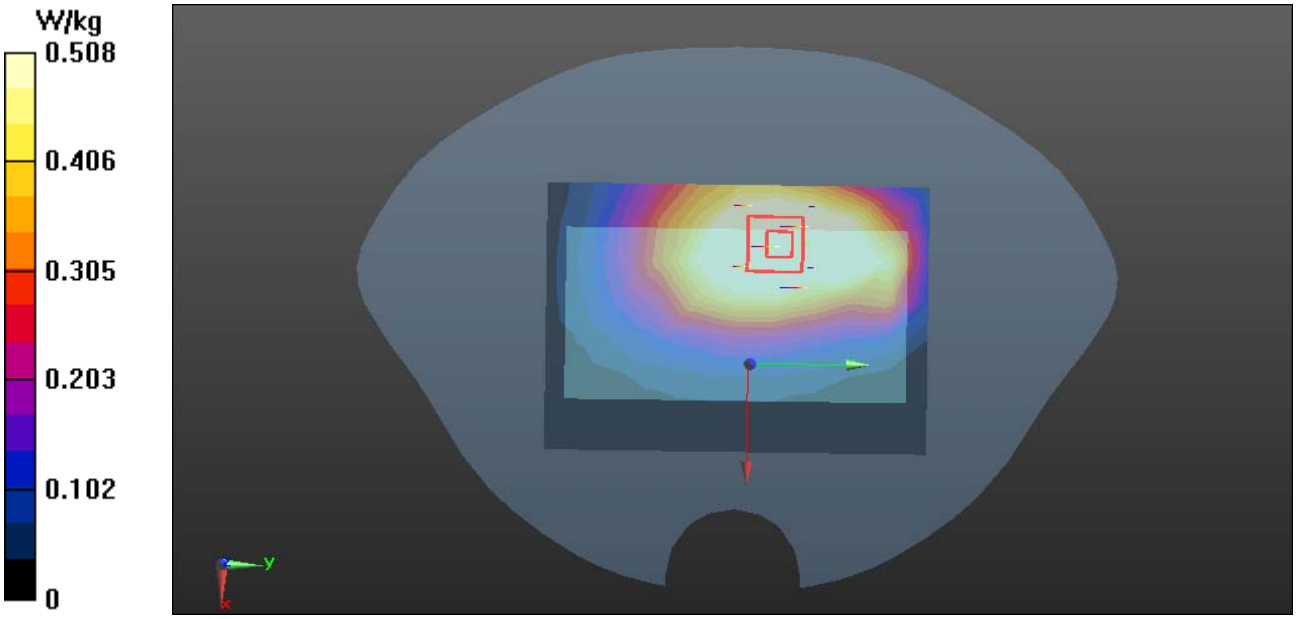
GPRS 850/Body Rear Low CH128/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

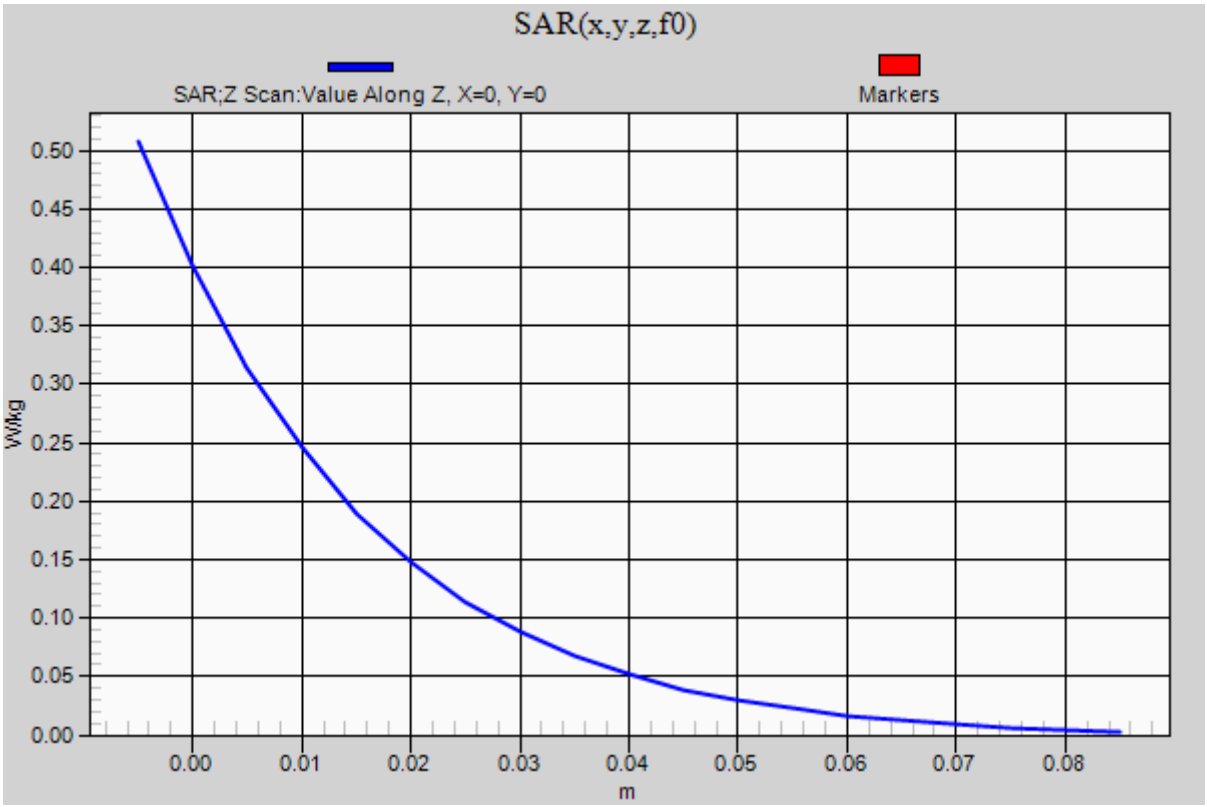
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.630 W/kg

GPRS 850/Body Rear Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.57 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.435 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.648 W/kg

GPRS 850/Body Rear Low CH128/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.508 W/kg




SAR(x,y,z,f0)
SAR;Z Scan:Value Along Z, X=0, Y=0
Markers
W/kg
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
m

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
GPRS 850-Body Right Low CH128
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.983 S/m; ε_r = 55.53; 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:

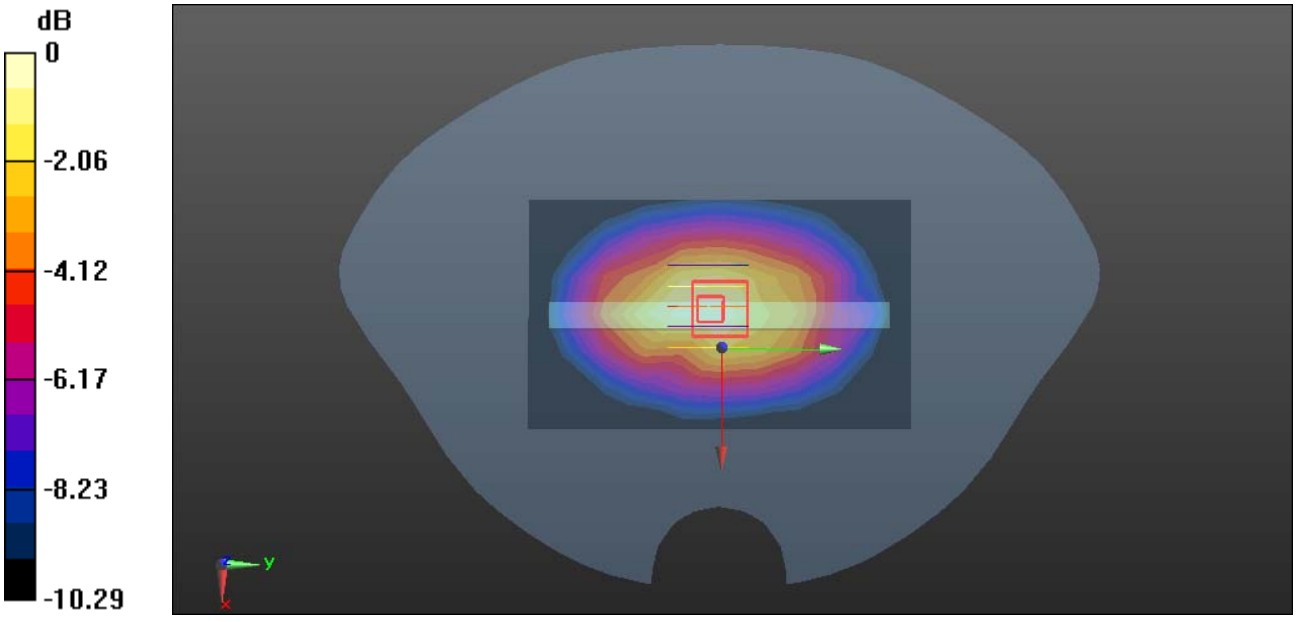
- Probe: EX3DV4 - SN3661; ConvF(9.68, 9.68, 9.68); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS 850/Body Right Low CH128/Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.557 W/kg

GPRS 850/Body Right Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.91 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.663 W/kg
SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.299 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.555 W/kg



0 dB = 0.555 W/kg = -2.56 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
GPRS 850-Body Bottom Low CH128
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.983 S/m; ε_r = 55.53; 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:

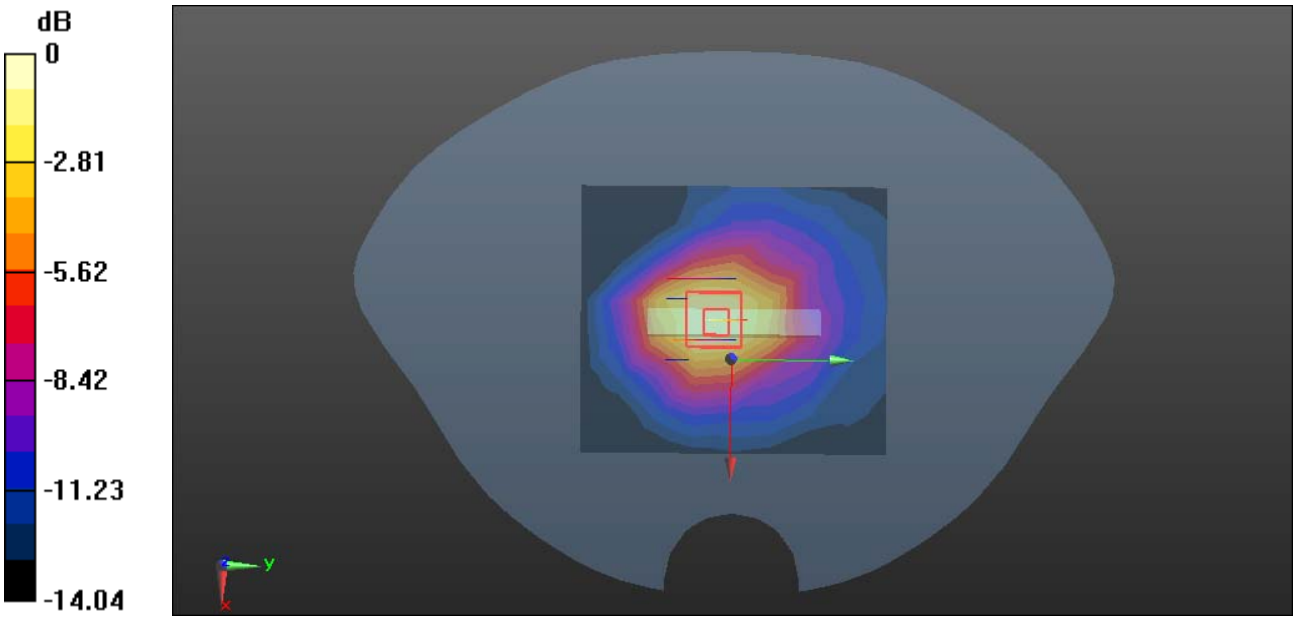
- Probe: EX3DV4 - SN3661; ConvF(9.68, 9.68, 9.68); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS 850/Body Bottom Low CH128/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.167 W/kg

GPRS 850/Body Bottom Low CH128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.91 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.263 W/kg
SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.097 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.216 W/kg



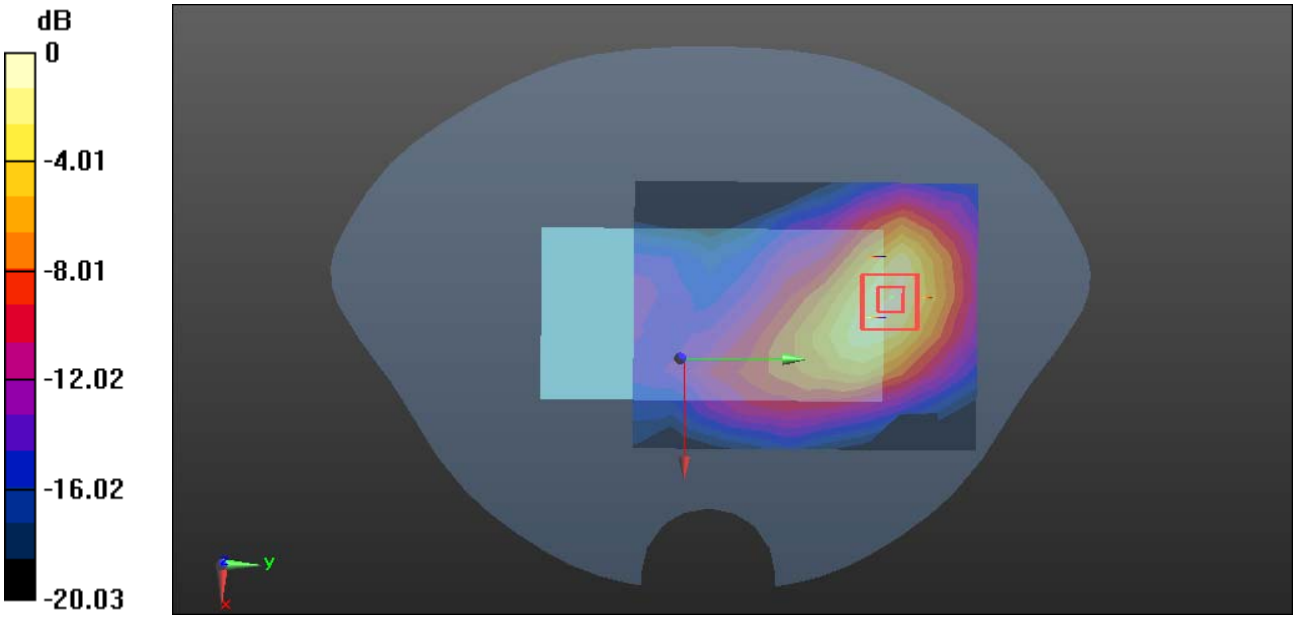
0 dB = 0.216 W/kg = -6.66 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
GPRS 1900-Body Front Middle CH661
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.545 S/m; ε_r = 52.378; 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(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS 1900/Body Front Middle CH661/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.448 W/kg

GPRS 1900/Body Front Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.557 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.660 W/kg
SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.194 W/kg
Maximum value of SAR (measured) = 0.516 W/kg



0 dB = 0.516 W/kg = -2.87 dBW/kg

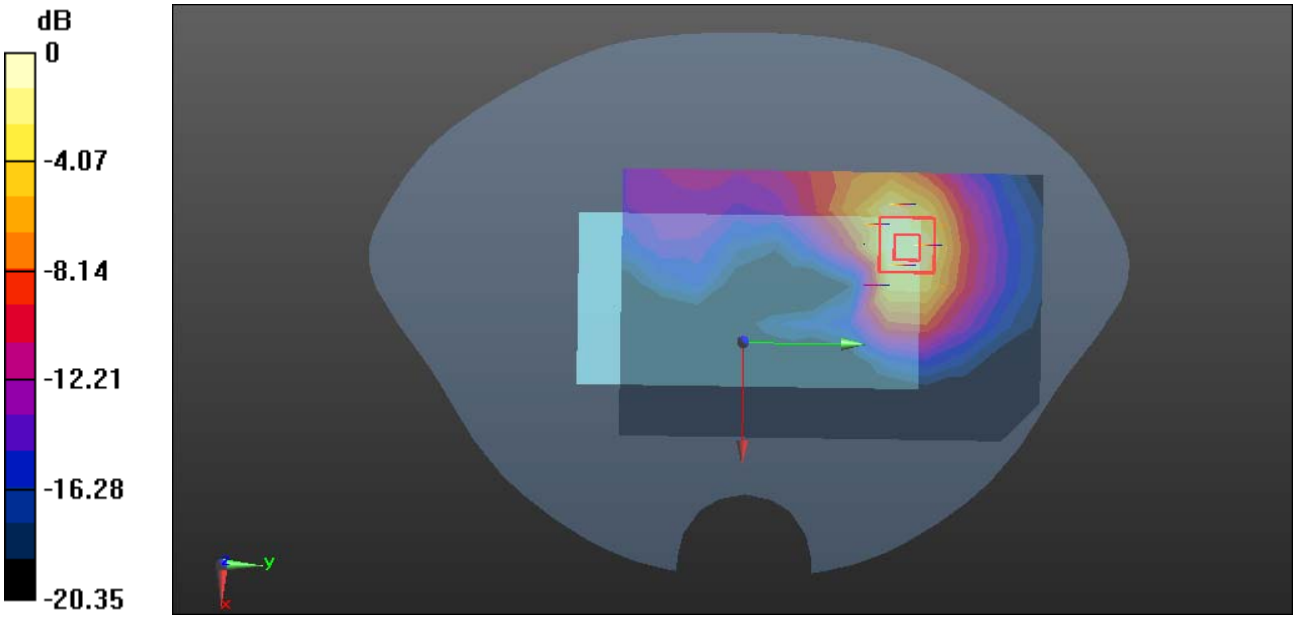
Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
GPRS 1900-Body Rear Middle CH661
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.545 S/m; ε_r = 52.378; 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(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

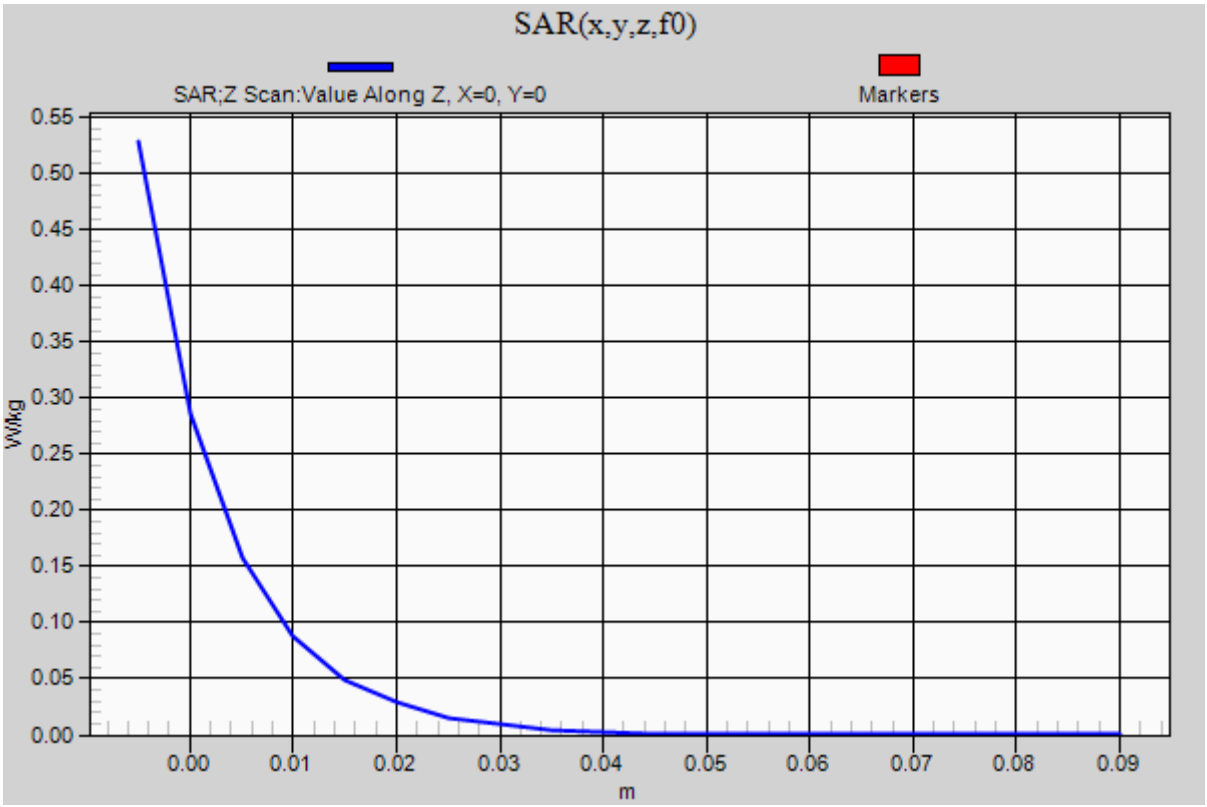
GPRS 1900/Body Rear Middle CH661/Area Scan (12x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.644 W/kg

GPRS 1900/Body Rear Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.286 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.296 W/kg
Maximum value of SAR (measured) = 0.842 W/kg

GPRS 1900/Body Rear Middle CH661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.528 W/kg



0 dB = 0.842 W/kg = -0.75 dBW/kg

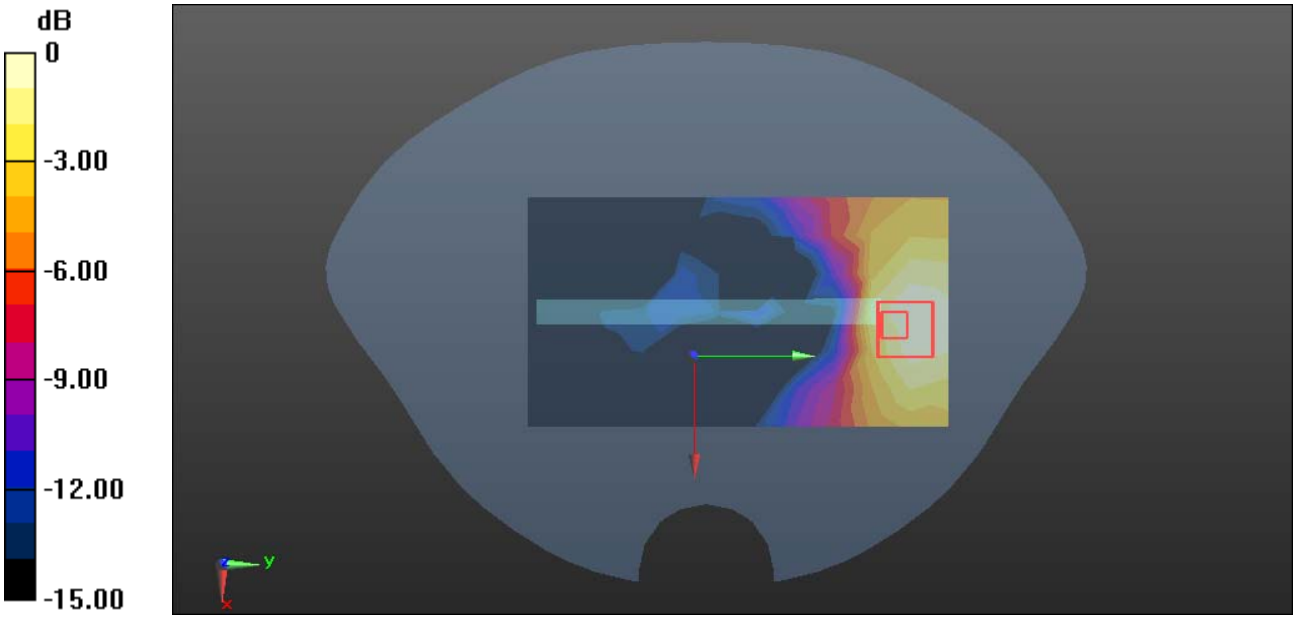

SAR(x,y,z,f0)
SAR;Z Scan:Value Along Z, X=0, Y=0
Markers
W/kg
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
m

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
GPRS 1900-Body Right Middle CH661
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1910 MHz; σ = 1.57 S/m; ε_r = 52.318; 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(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS 1900/Body Right Middle CH661/Area Scan (12x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0467 W/kg

GPRS 1900/Body Right Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.271 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.0620 W/kg
SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.018 W/kg
Maximum value of SAR (measured) = 0.0468 W/kg



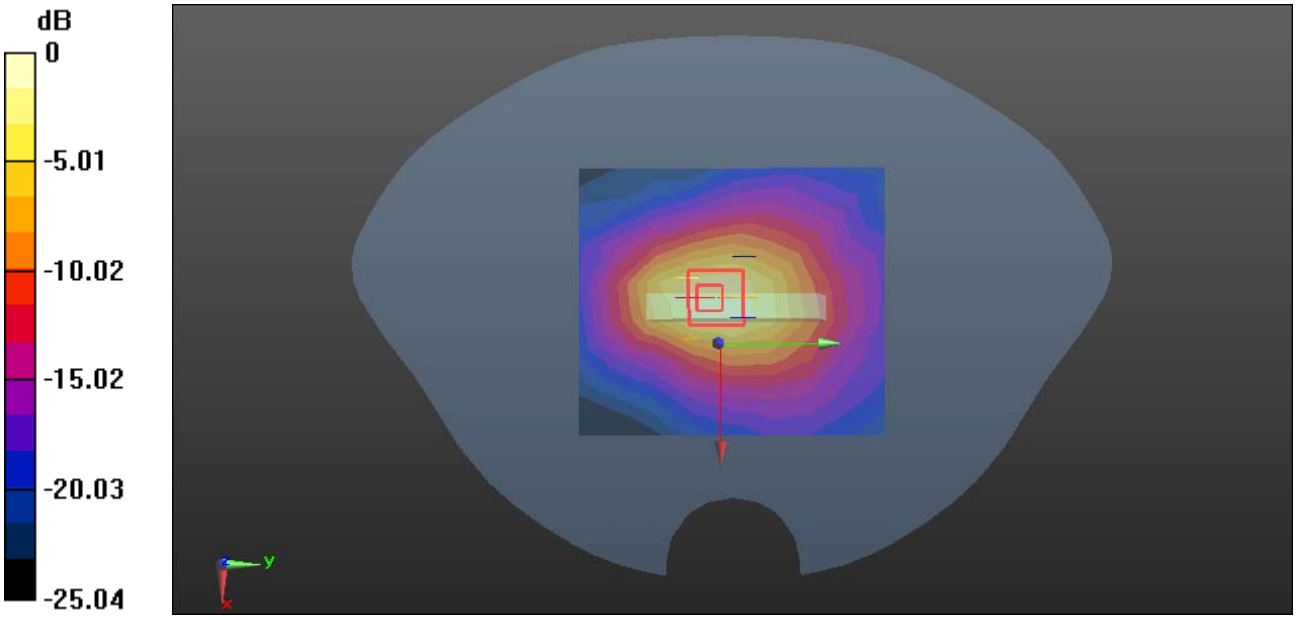
0 dB = 0.0468 W/kg = -13.30 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
GPRS 1900-Body Bottom Middle CH661
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.545 S/m; ε_r = 52.378; 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(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS 1900/Body Bottom Middle CH661/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.334 W/kg

GPRS 1900/Body Bottom Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.36 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.732 W/kg
SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.157 W/kg
Maximum value of SAR (measured) = 0.504 W/kg



0 dB = 0.504 W/kg = -2.98 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Body Front Low CH9262
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.527 S/m; ε_r = 52.368; 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:

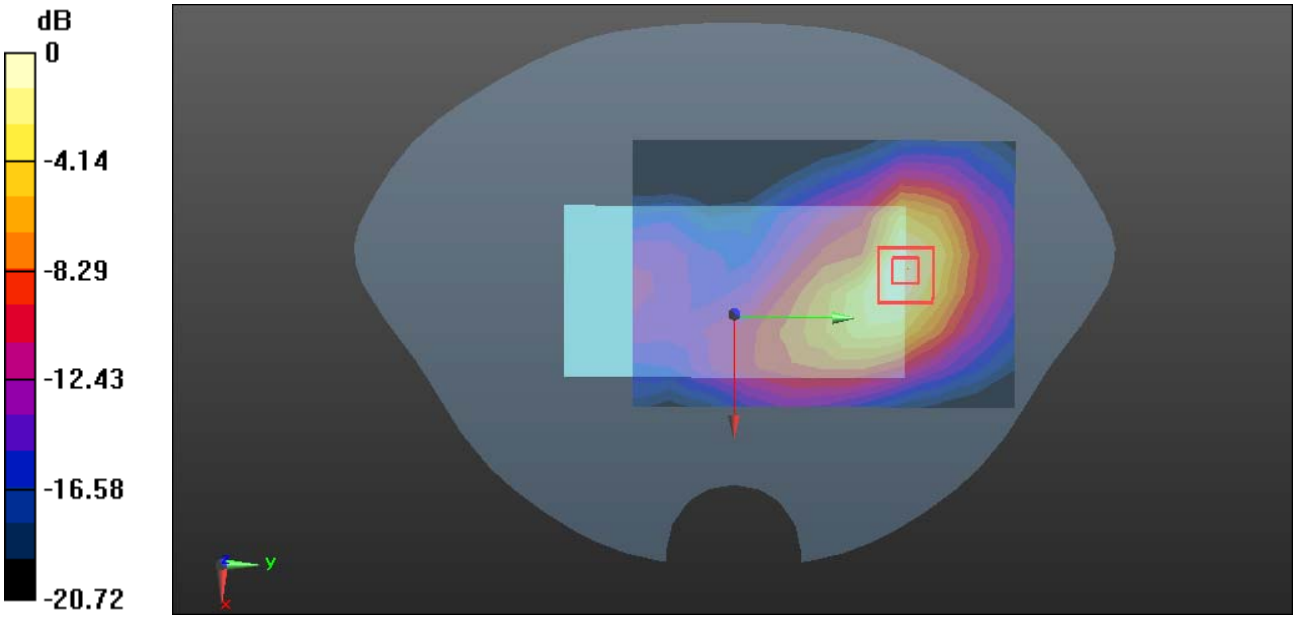
- Probe: EX3DV4 - SN3661; ConvF(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Body Front Low CH9262/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.985 W/kg

WCDMA Band II/Body Front Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.168 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.765 W/kg; SAR(10 g) = 0.409 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Body Rear Low CH9262
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.527 S/m; ε_r = 52.368; 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:

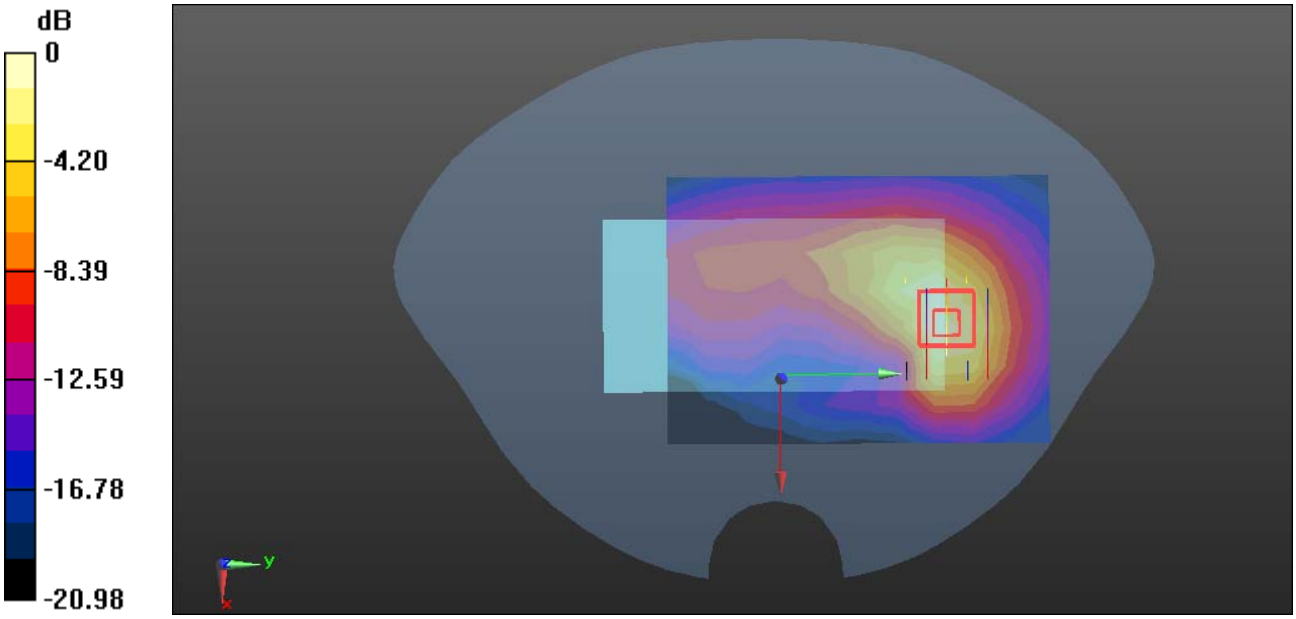
- Probe: EX3DV4 - SN3661; ConvF(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Body Rear Low CH9262/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.33 W/kg

WCDMA Band II/Body Rear Low CH9262/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.404 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.580 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.49 W/kg



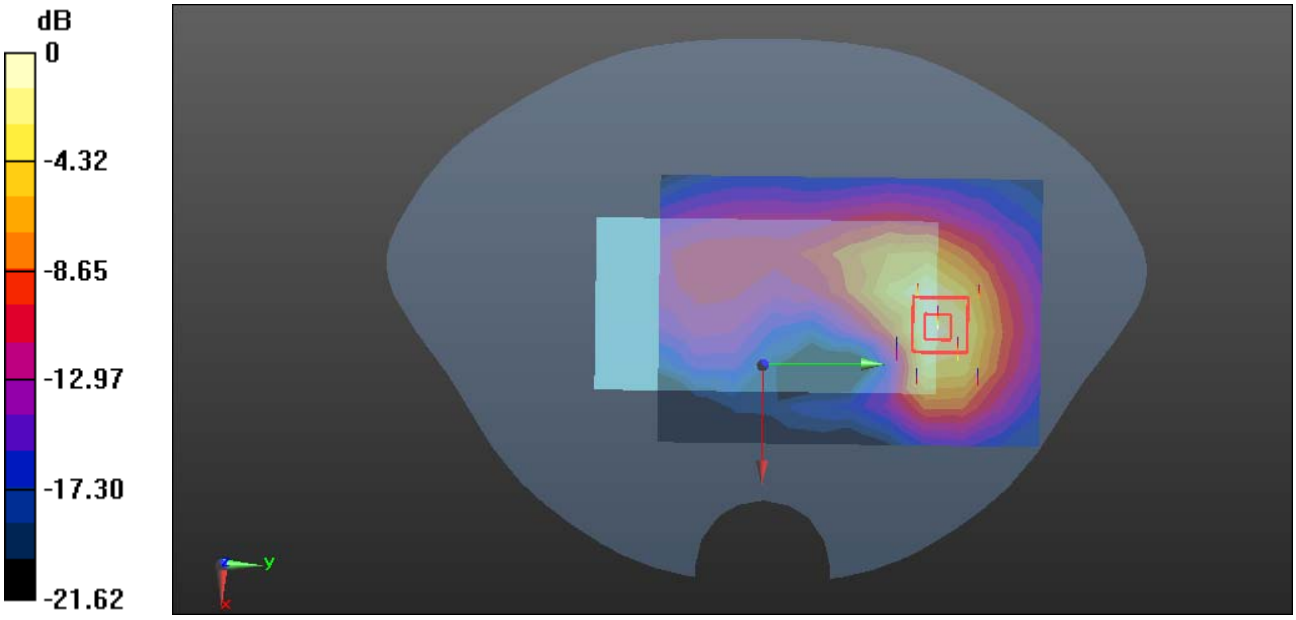
0 dB = 1.49 W/kg = 1.73 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Body Rear Middle CH9400
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.545 S/m; ε_r = 52.378; 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(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Body Rear Middle CH9400/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.20 W/kg

WCDMA Band II/Body Rear Middle CH9400/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.169 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.513 W/kg
Maximum value of SAR (measured) = 1.36 W/kg



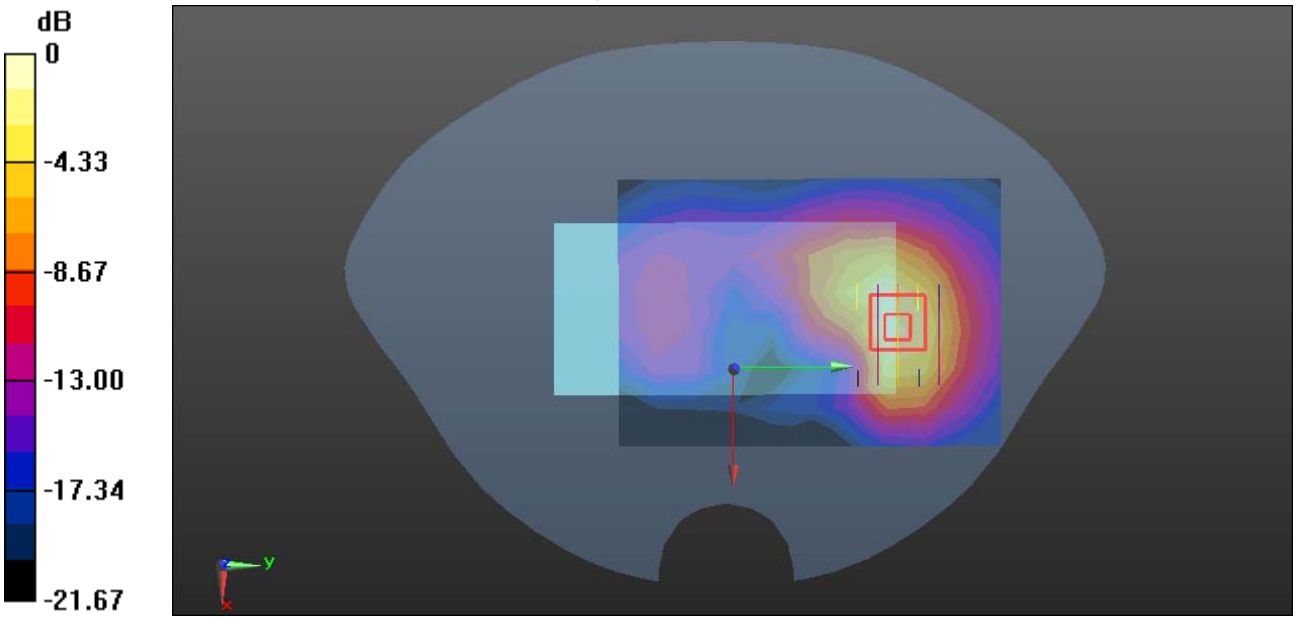
0 dB = 1.36 W/kg = 1.34 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Body Rear High CH9538
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.569 S/m; ε_r = 52.32; 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(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Body Rear High CH9538/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.984 W/kg

WCDMA Band II/Body Rear High CH9538/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.770 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.418 W/kg
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Body Right Low CH9262
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.527 S/m; ε_r = 52.368; 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:

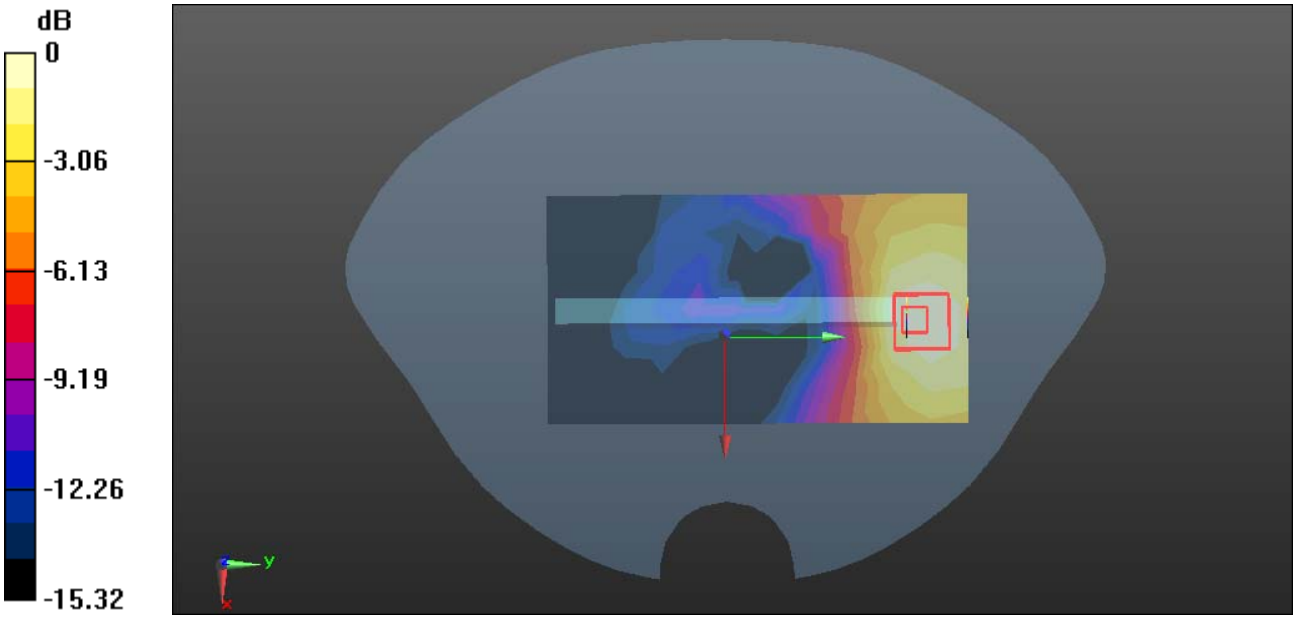
- Probe: EX3DV4 - SN3661; ConvF(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Body Right Low CH9262/Area Scan (12x7x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0877 W/kg

WCDMA Band II/Body Right Low CH9262/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.228 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.125 W/kg
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.037 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0927 W/kg



0 dB = 0.0927 W/kg = -10.33 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Body Bottom Low CH9262
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.527 S/m; ε_r = 52.368; 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:

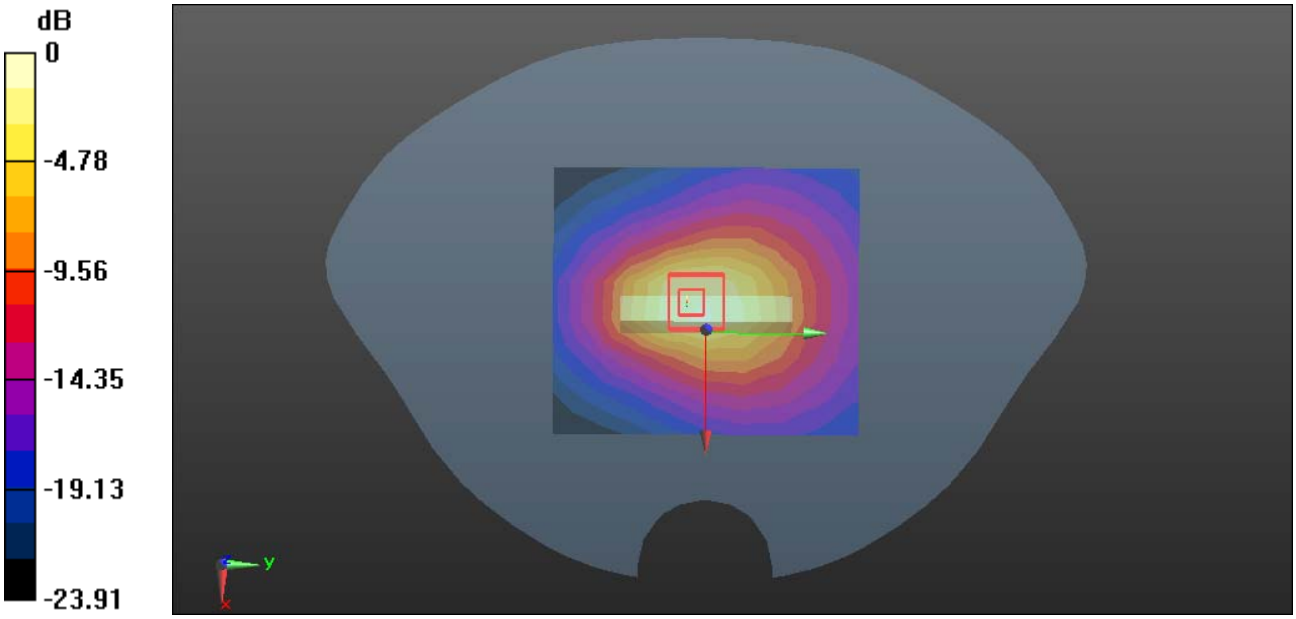
- Probe: EX3DV4 - SN3661; ConvF(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band II/Body Bottom Low CH9262/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.917 W/kg

WCDMA Band II/Body Bottom Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.79 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.818 W/kg; SAR(10 g) = 0.400 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.22 W/kg



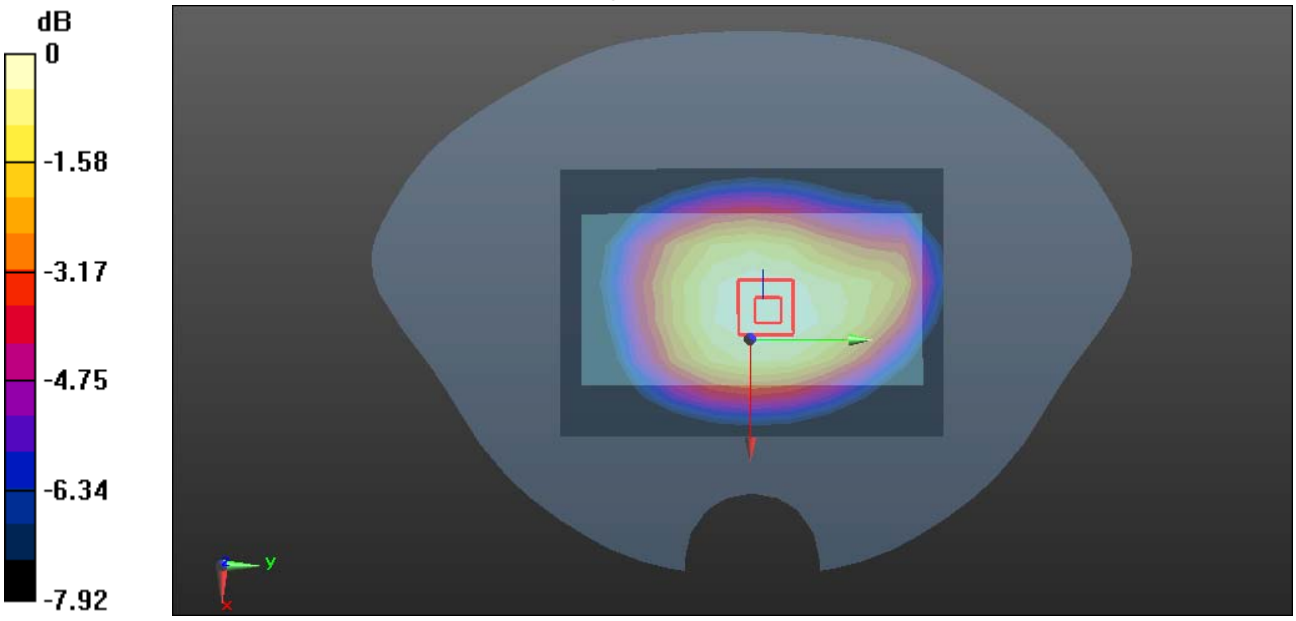
0 dB = 1.22 W/kg = 0.86 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
WCDMA Band V-Body Front Low CH4132
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.5 MHz; σ = 0.985 S/m; ε_r = 55.516; 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(9.68, 9.68, 9.68); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band V/Body Front Low CH4132/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.361 W/kg

WCDMA Band V/Body Front Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.38 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.397 W/kg
SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.242 W/kg
Maximum value of SAR (measured) = 0.362 W/kg



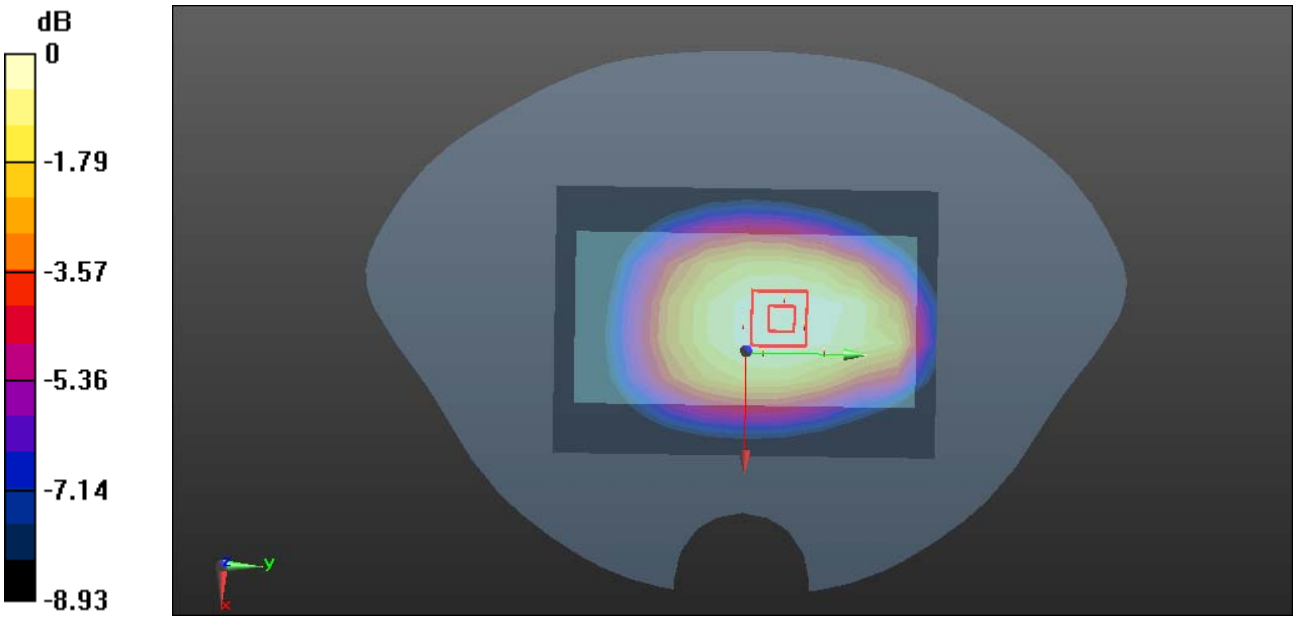
0 dB = 0.362 W/kg = -4.41 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
WCDMA Band V-Body Rear Low CH4132
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.5 MHz; σ = 0.985 S/m; ε_r = 55.516; 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:

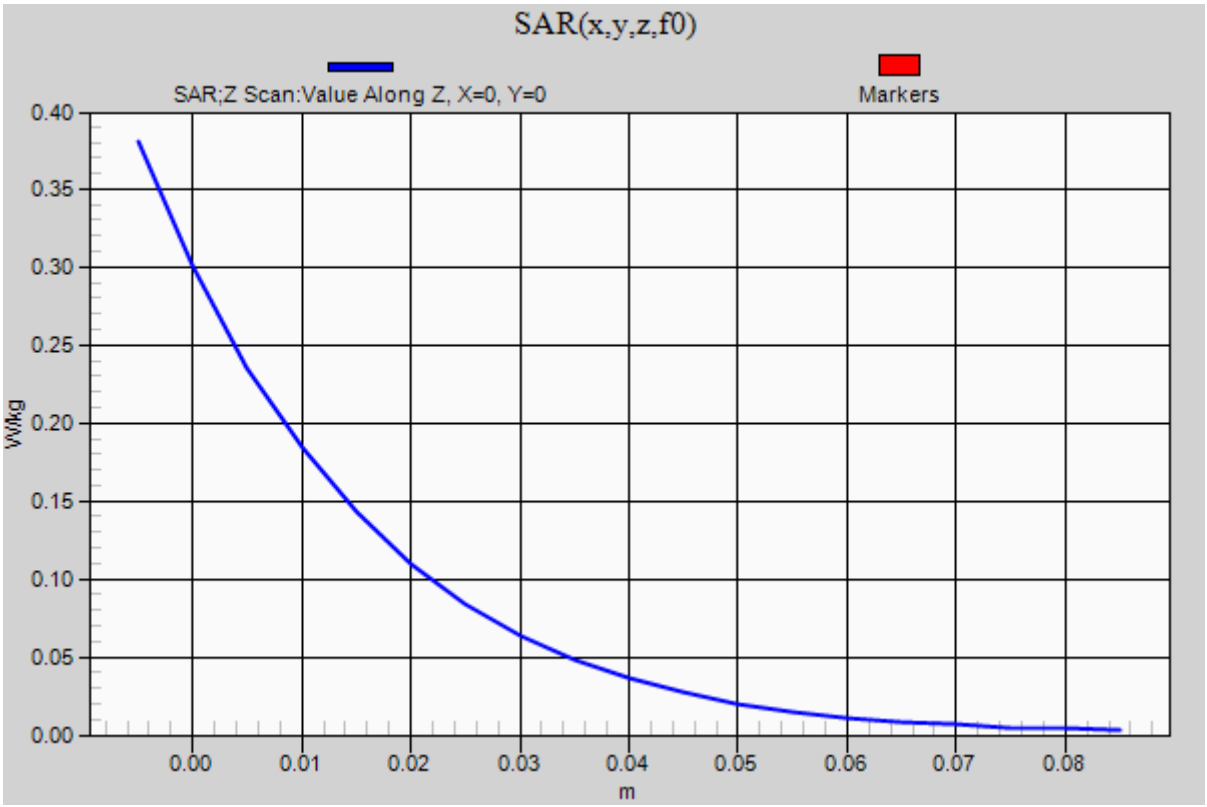
- Probe: EX3DV4 - SN3661; ConvF(9.68, 9.68, 9.68); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band V/Body Rear Low CH4132/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.477 W/kg

WCDMA Band V/Body Rear Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.98 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.533 W/kg
SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.320 W/kg
Maximum value of SAR (measured) = 0.485 W/kg
WCDMA Band V/Body Rear Low CH4132/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.380 W/kg



0 dB = 0.485 W/kg = -3.14 dBW/kg

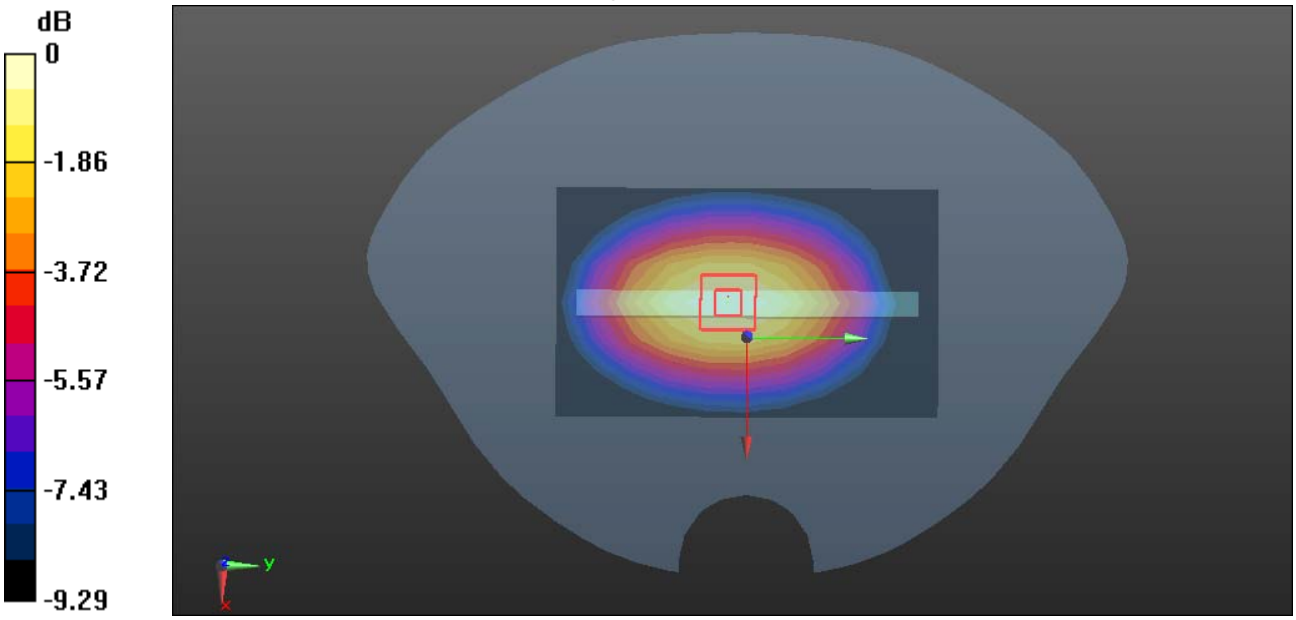

SAR(x,y,z,f0)
SAR;Z Scan:Value Along Z, X=0, Y=0
Markers
W/kg
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
m

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
WCDMA Band V-Body Right Low CH4132
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.5 MHz; σ = 0.985 S/m; ε_r = 55.516; 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(9.68, 9.68, 9.68); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band V/Body Right Low CH4132/Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.352 W/kg

WCDMA Band V/Body Right Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.27 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.416 W/kg
SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.209 W/kg
Maximum value of SAR (measured) = 0.362 W/kg



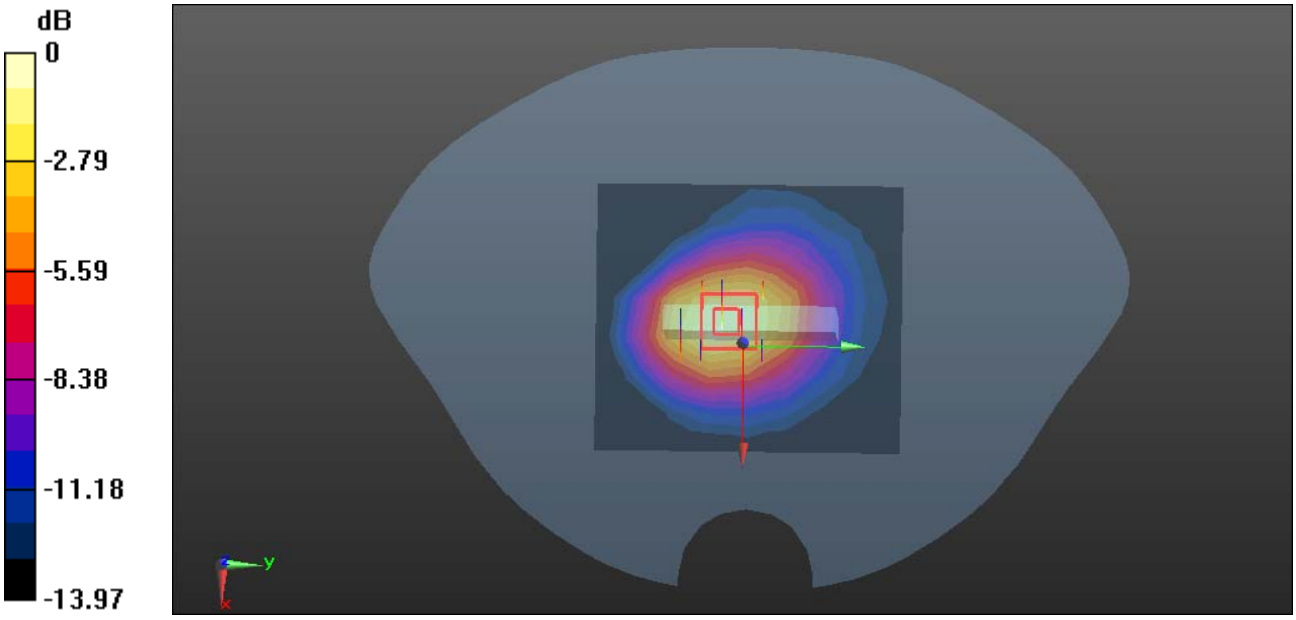
0 dB = 0.362 W/kg = -4.41 dBW/kg

Test Laboratory: Compliance Certification Services Inc. Date: 8/18/2015
WCDMA Band V-Body Bottom Low CH4132
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 826.5 MHz; σ = 0.985 S/m; ε_r = 55.516; 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(9.68, 9.68, 9.68); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA Band V/Body Bottom Low CH4132/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.192 W/kg

WCDMA Band V/Body Bottom Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.54 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg = -6.52 dBW/kg

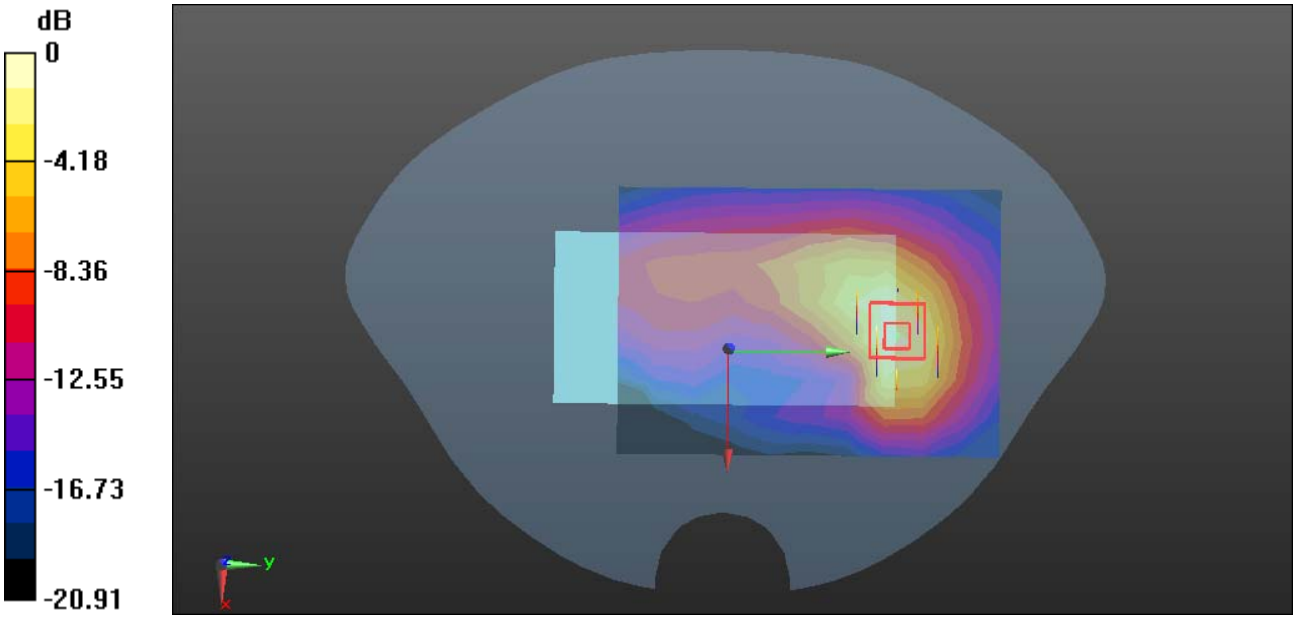
Test Laboratory: Compliance Certification Services Inc. Date: 8/19/2015
WCDMA Band II-Body Rear Low CH9262 repeat
DUT: Smartphone; Type: VP4501I; Serial: 359971060009197
Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.527 S/m; ε_r = 52.368; 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(8.08, 8.08, 8.08); Calibrated: 4/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 12/29/2014
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

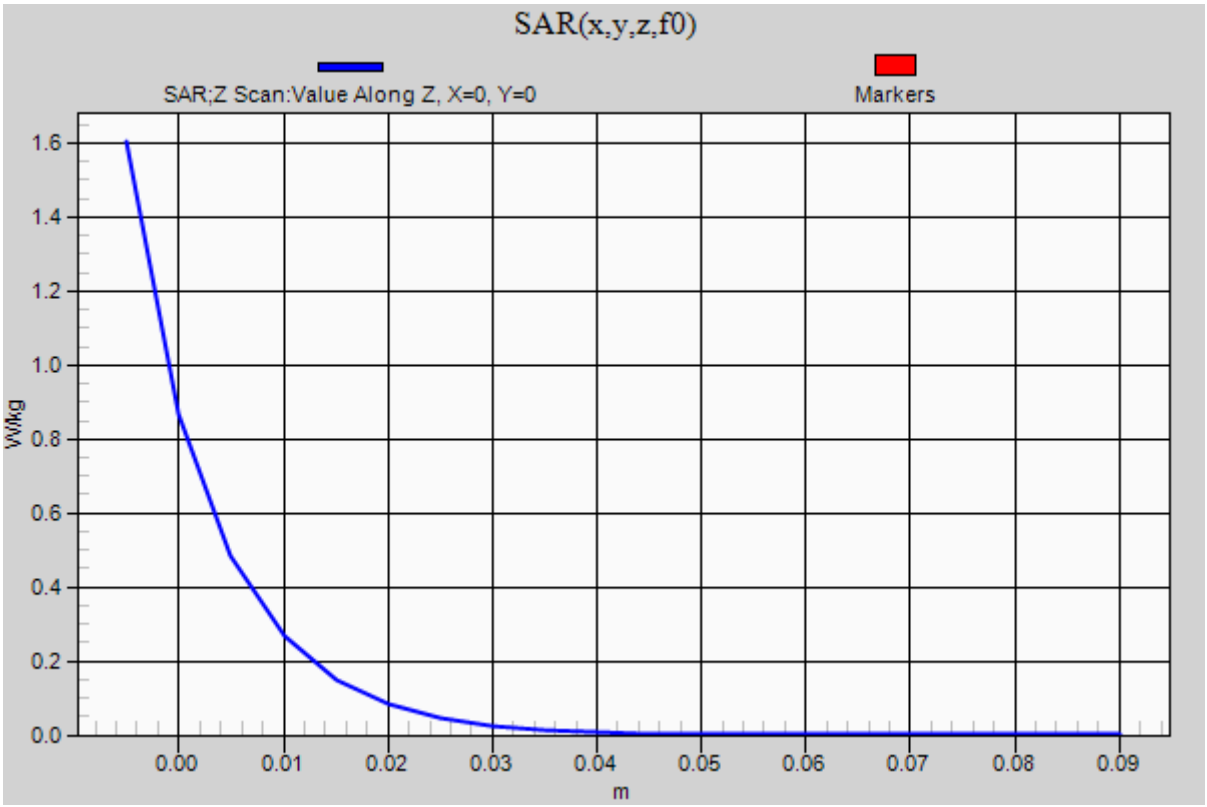
WCDMA Band II/Body Rear Low CH9262 repeat/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.35 W/kg

WCDMA Band II/Body Rear Low CH9262 repeat/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.480 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.584 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.50 W/kg
WCDMA Band II/Body Rear Low CH9262 repeat/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.60 W/kg



0 dB = 1.50 W/kg = 1.76 dBW/kg


SAR(x,y,z,f0)
SAR;Z Scan:Value Along Z, X=0, Y=0
Markers
W/kg
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
m