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Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

GSM 850-Right Head Cheek Middle CH190**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.912$ S/m; $\epsilon_r = 40.816$; $\rho = 1000$ kg/m³

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 - SN3798; ConvF(9.13, 9.13, 9.13); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 Middle CH190/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.681 W/kg

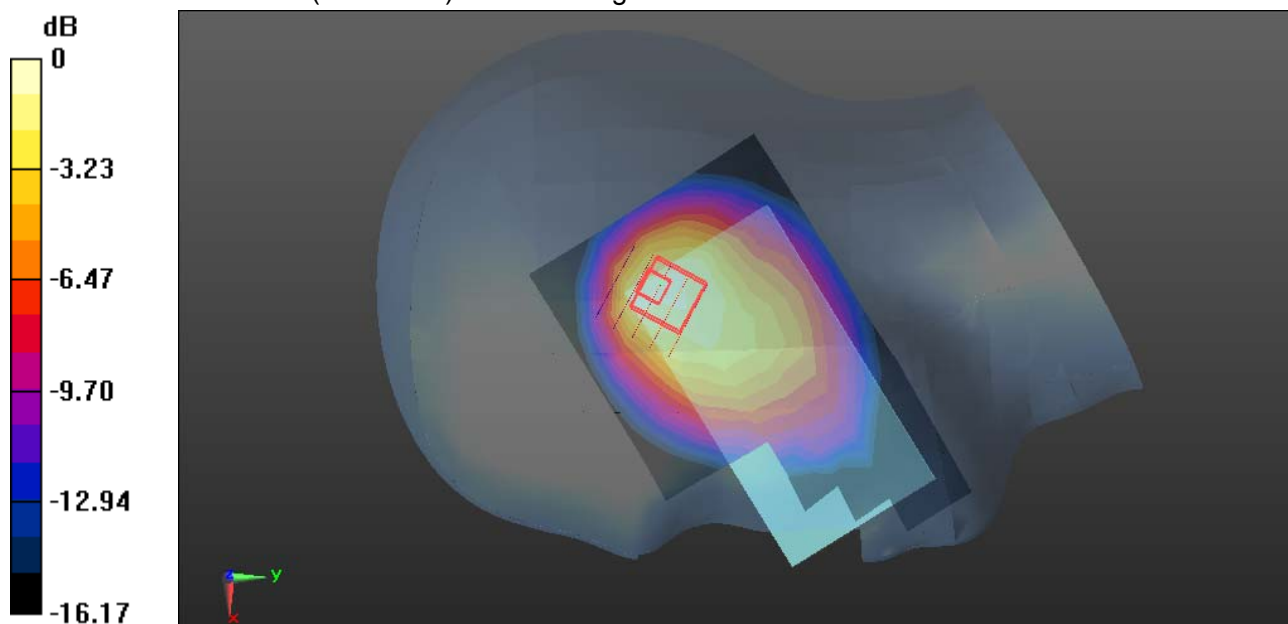
GSM 850/ Right Head Cheek Middle CH190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.51 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.338 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.707 W/kg



0 dB = 0.707 W/kg = -1.51 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

GPRS 1900-Left Head Cheek High CH810**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used (extrapolated): $f = 1909.8$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 41.553$; $\rho = 1000$ kg/m³

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 - SN3798; ConvF(7.63, 7.63, 7.63); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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/Left Head Cheek High CH810/Area Scan (9x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.759 W/kg

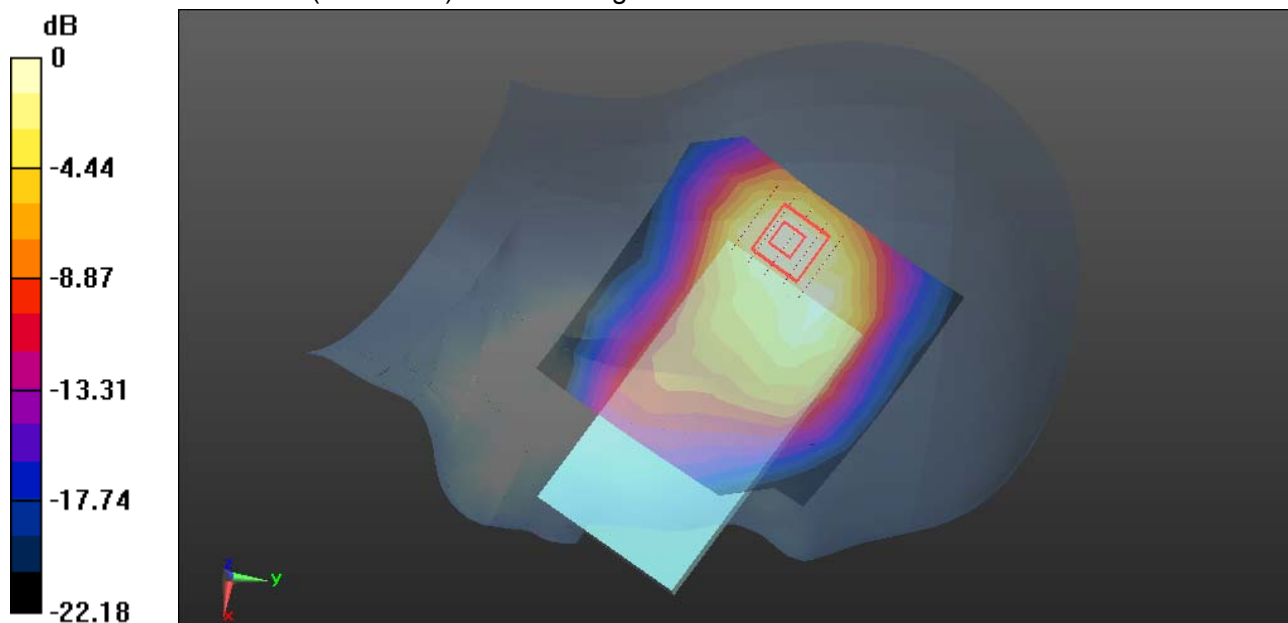
GPRS 1900/Left Head Cheek High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.47 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.310 W/kg[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.877 W/kg



0 dB = 0.877 W/kg = -0.57 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

WCDMA Band II-Left Head Cheek High CH9538**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 1907.6$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 41.561$; $\rho = 1000$ kg/m³

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 - SN3798; ConvF(7.63, 7.63, 7.63); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 High CH9538/Area Scan (9x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.751 W/kg

WCDMA Band II/Left Head Cheek High CH9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

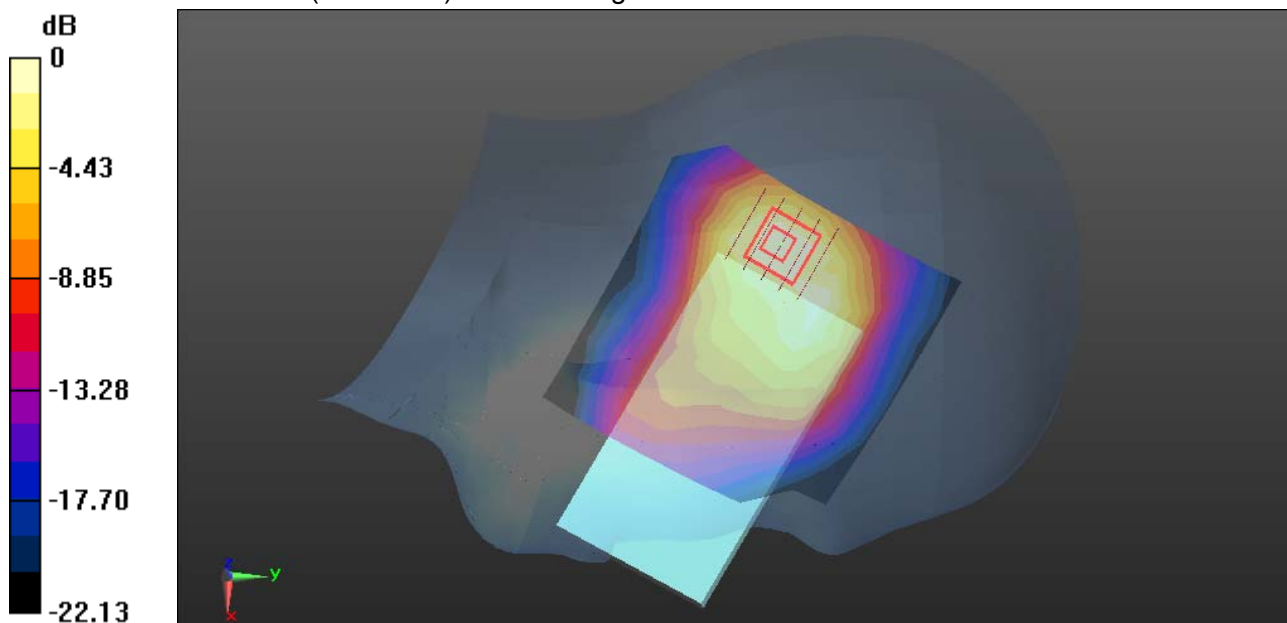
dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.42 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.307 W/kg[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.865 W/kg



0 dB = 0.865 W/kg = -0.63 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

WCDMA Band V-Right Head Cheek High CH4233**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.637$; $\rho = 1000$ kg/m³

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 - SN3798; ConvF(9.13, 9.13, 9.13); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 High CH4233/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.678 W/kg

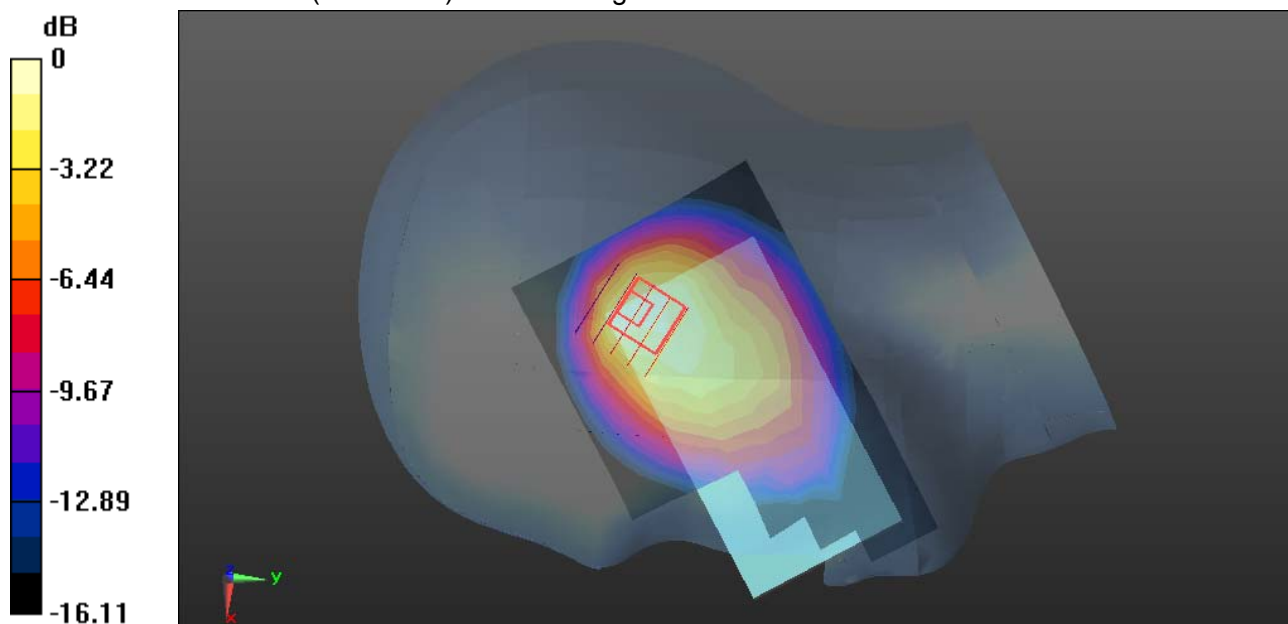
WCDMA Band V/ Right Head Cheek High CH4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.34 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.338 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.705 W/kg



0 dB = 0.705 W/kg = -1.52 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/20/2016

WiFi-Right Head Cheek Middle CH6**DUT: smart phone; Type: PH4001; Serial: 135790246811222**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
Frequency: 2437 MHz; Duty Cycle: 1:1Medium parameters used: $f = 2437$ MHz; $\sigma = 1.757$ S/m; $\epsilon_r = 39.505$; $\rho = 1000$ kg/m³

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 - SN3798; ConvF(6.97, 6.97, 6.97); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Cheek Middle CH6/Area Scan (10x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.04 W/kg

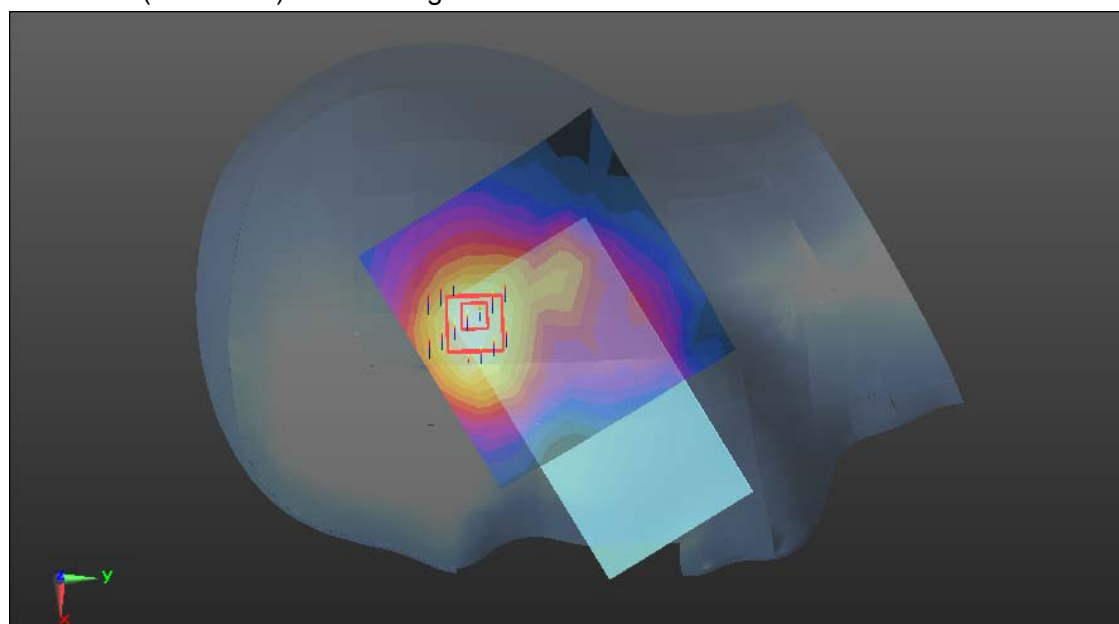
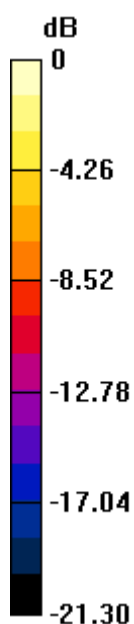
WiFi/Cheek Middle CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.14 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/20/2016

WiFi-Right Head Cheek Middle CH6**DUT: smart phone; Type: PH4001; Serial: 135790246811222**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
Frequency: 2437 MHz; Duty Cycle: 1:1Medium parameters used: $f = 2437$ MHz; $\sigma = 1.757$ S/m; $\epsilon_r = 39.505$; $\rho = 1000$ kg/m³

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 - SN3798; ConvF(6.97, 6.97, 6.97); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Cheek Middle CH6/Area Scan (10x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.04 W/kg

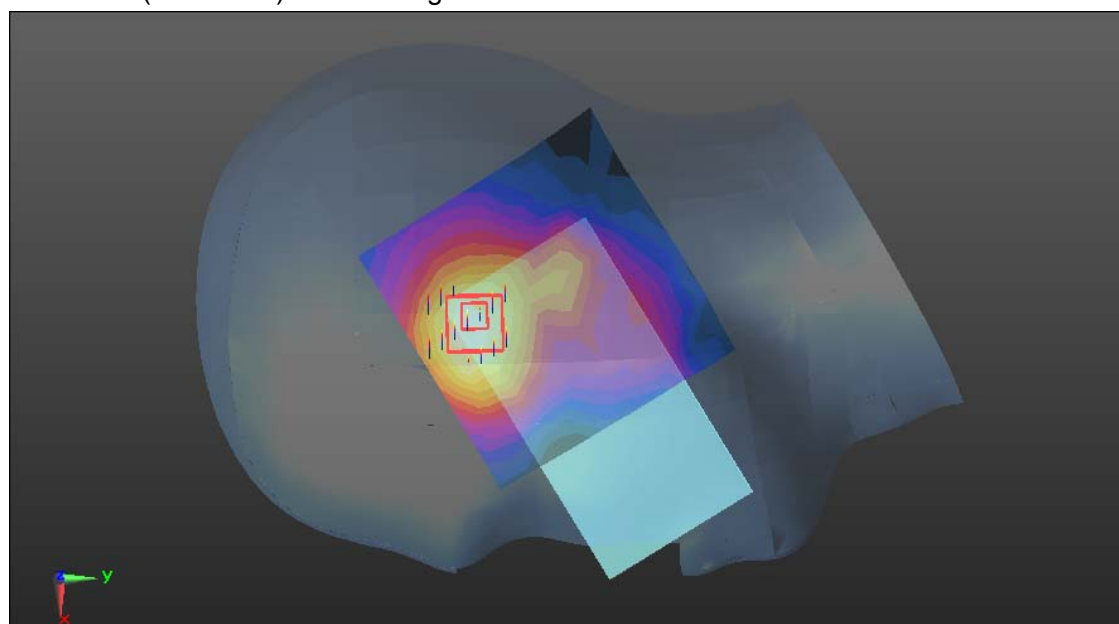
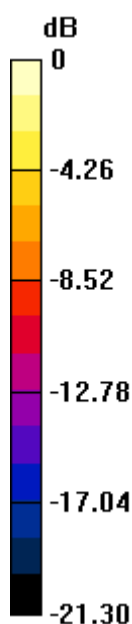
WiFi/Cheek Middle CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.14 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

GPRS 850-Body Rear Middle CH190**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.993$ S/m; $\epsilon_r = 55.464$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(8.87, 8.87, 8.87); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 Middle CH190/Area Scan (12x8x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.783 W/kg

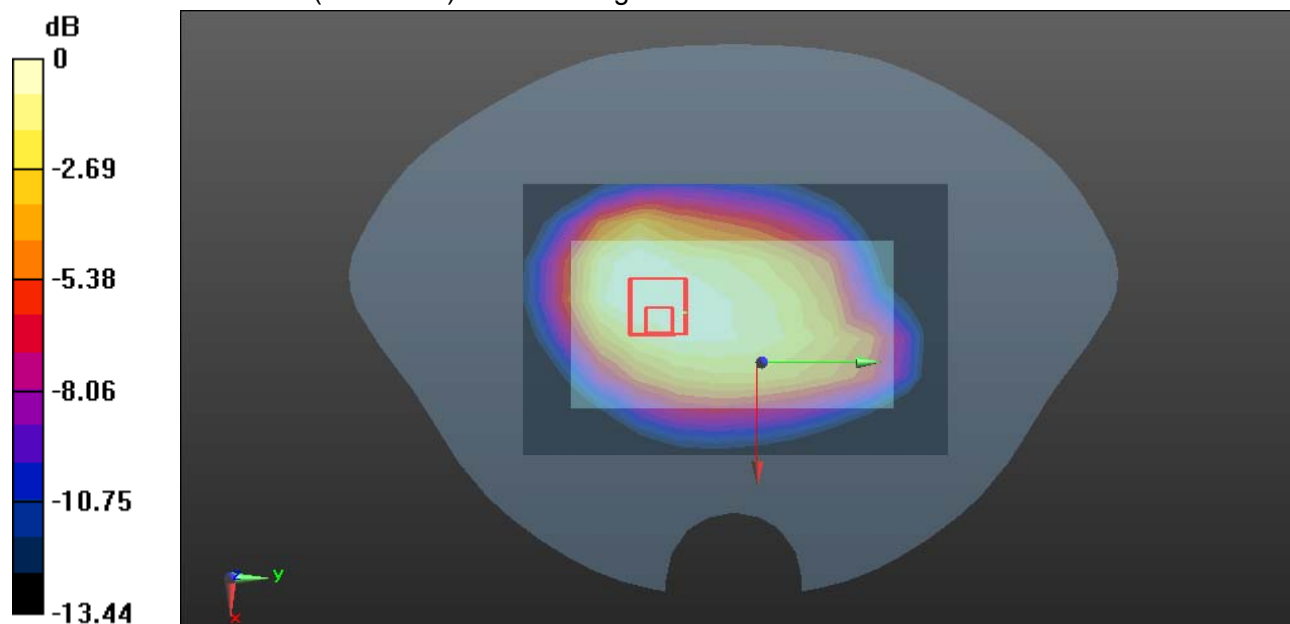
GPRS 850/Body Rear Middle CH190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.17 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.274 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.670 W/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

GPRS 1900-Body Rear High CH810**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 52.446$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 High CH810/Area Scan (10x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.35 W/kg

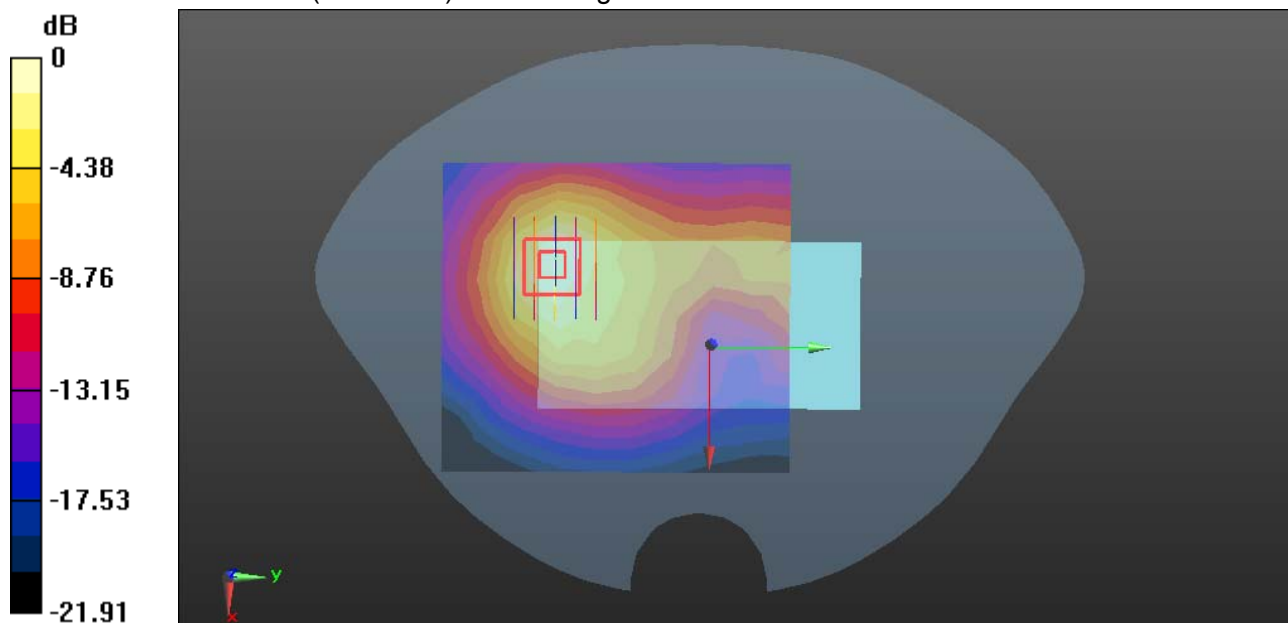
GPRS 1900/Body Rear High CH810/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.797 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.448 W/kg

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

WCDMA Band II-Body Rear High CH9538**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

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; $\sigma = 1.57$ S/m; $\epsilon_r = 52.449$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 (10x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.33 W/kg

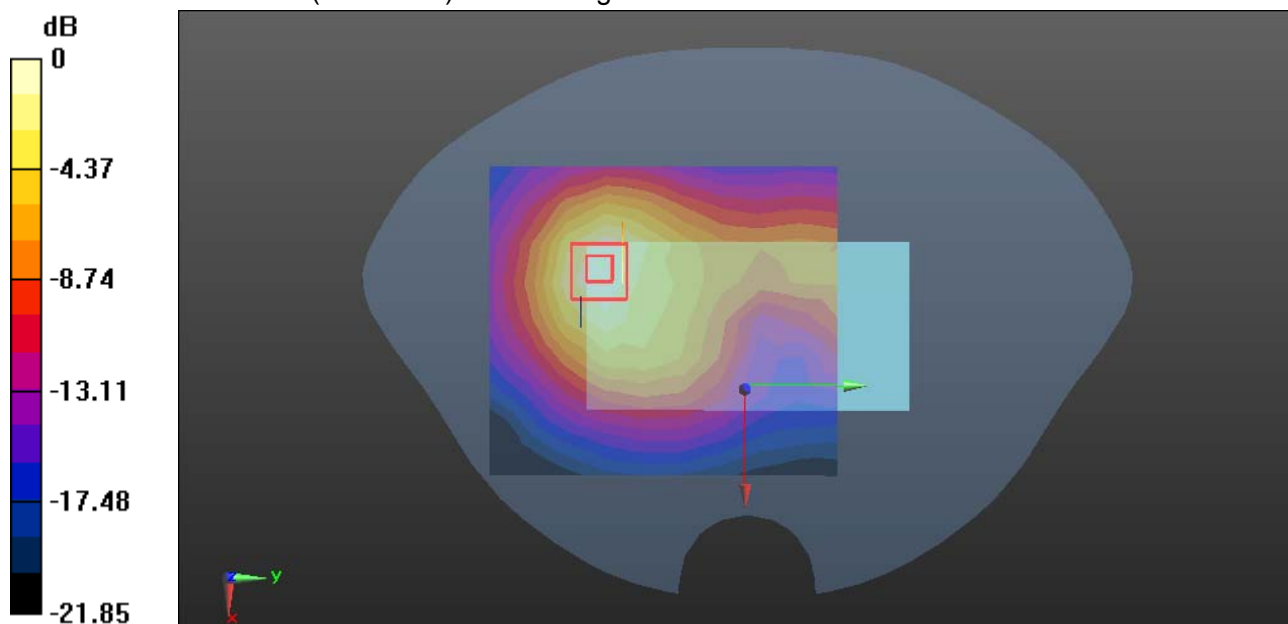
WCDMA Band II/Body Rear High CH9538/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.790 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.443 W/kg

Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

WCDMA Band V-Body Rear High CH4233**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.999$ S/m; $\epsilon_r = 55.388$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(8.87, 8.87, 8.87); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 High CH4233/Area Scan (12x8x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.774 W/kg

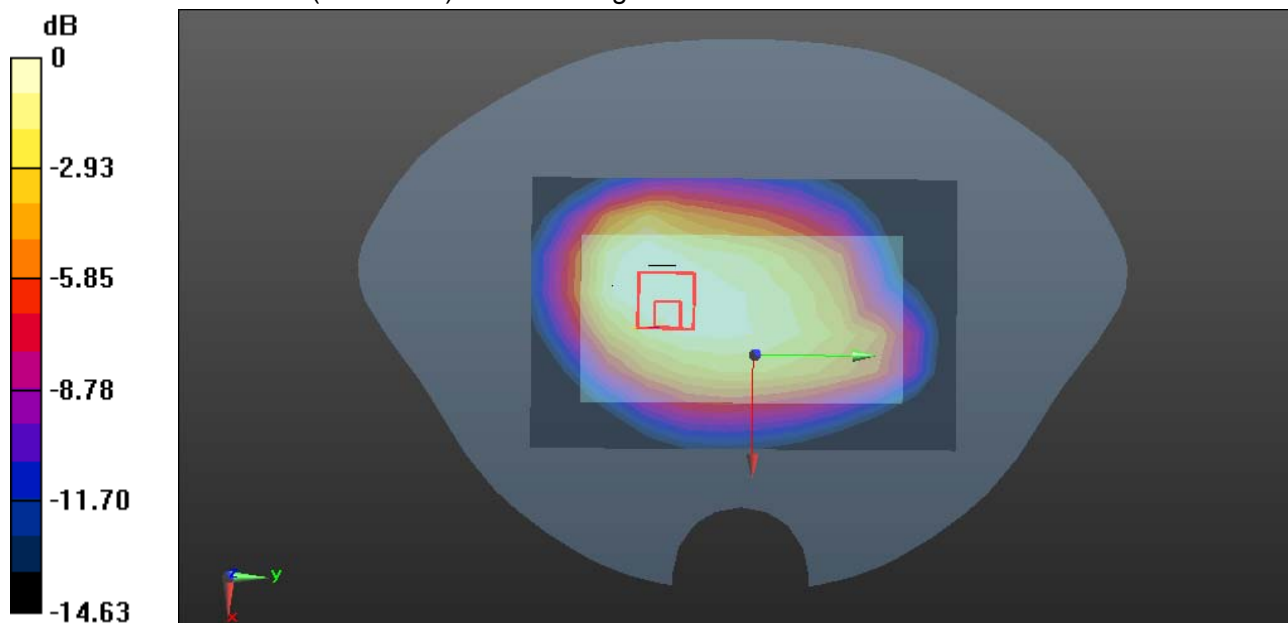
WCDMA Band V/Body Rear High CH4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.02 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.273 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.665 W/kg



0 dB = 0.665 W/kg = -1.77 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/20/2016

WiFi-Body Rear Middle CH6**DUT: smart phone; Type: PH4001; Serial: 135790246811222**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
Frequency: 2437 MHz; Duty Cycle: 1:1Medium parameters used: $f = 2437$ MHz; $\sigma = 1.937$ S/m; $\epsilon_r = 51.701$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Rear Middle CH6/Area Scan (11x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.488 W/kg

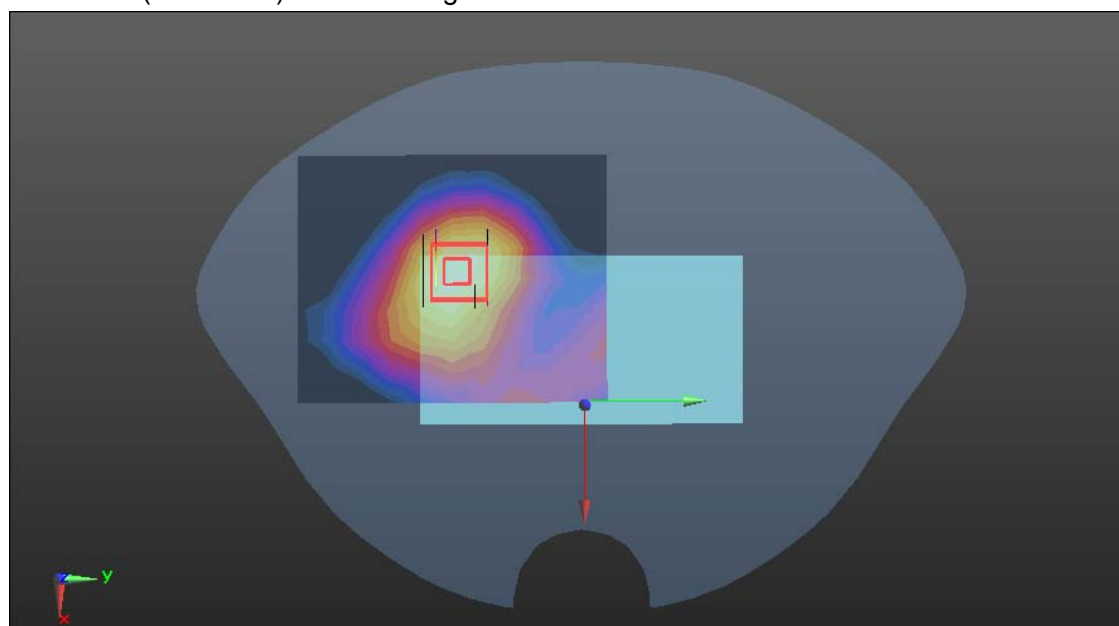
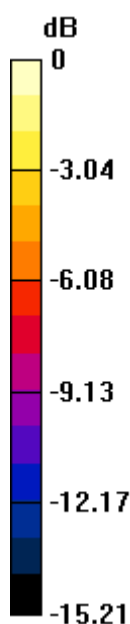
WiFi/Rear Middle CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.891 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.505 W/kg



0 dB = 0.505 W/kg = -2.97 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

GPRS 850-Body Top hotspot Middle CH190**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, Generic GSM (0); Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.993$ S/m; $\epsilon_r = 55.464$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(8.87, 8.87, 8.87); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 Top Middle CH190/Area Scan (10x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.256 W/kg

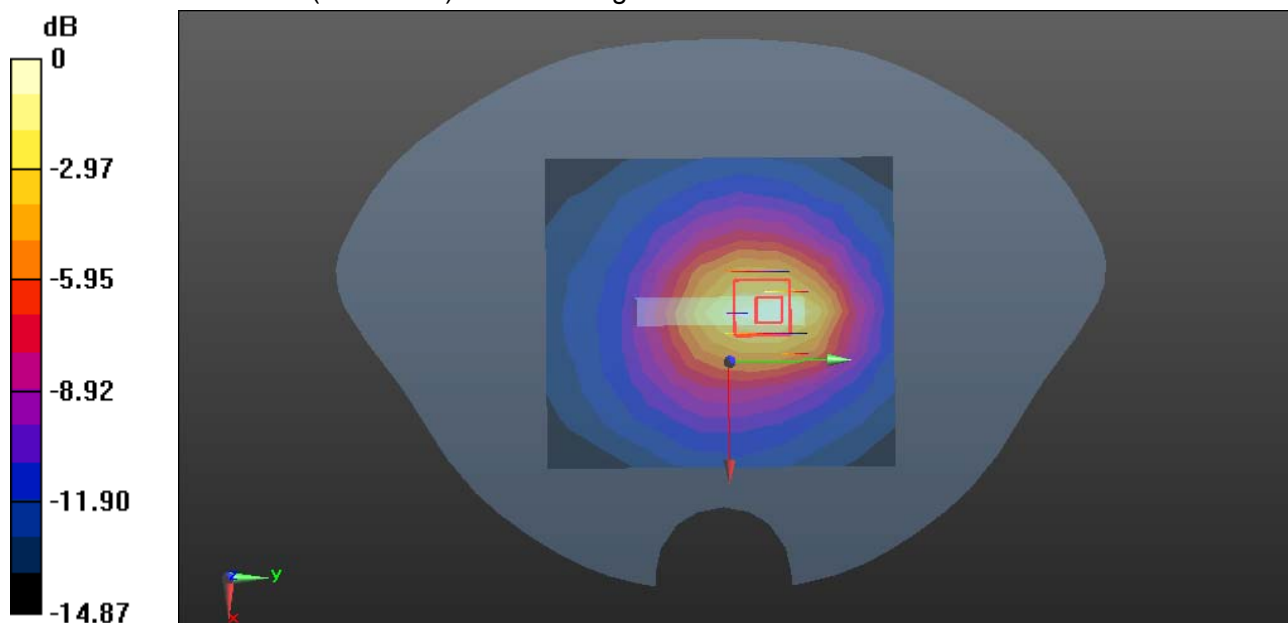
GPRS 850/Body Top Middle CH190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.84 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.108 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

GPRS 1900-Body hotspot Rear High CH810**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

Communication System: UID 0, Generic GSM (0); Communication System Band: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 52.446$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 High CH810/Area Scan (10x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.797 W/kg

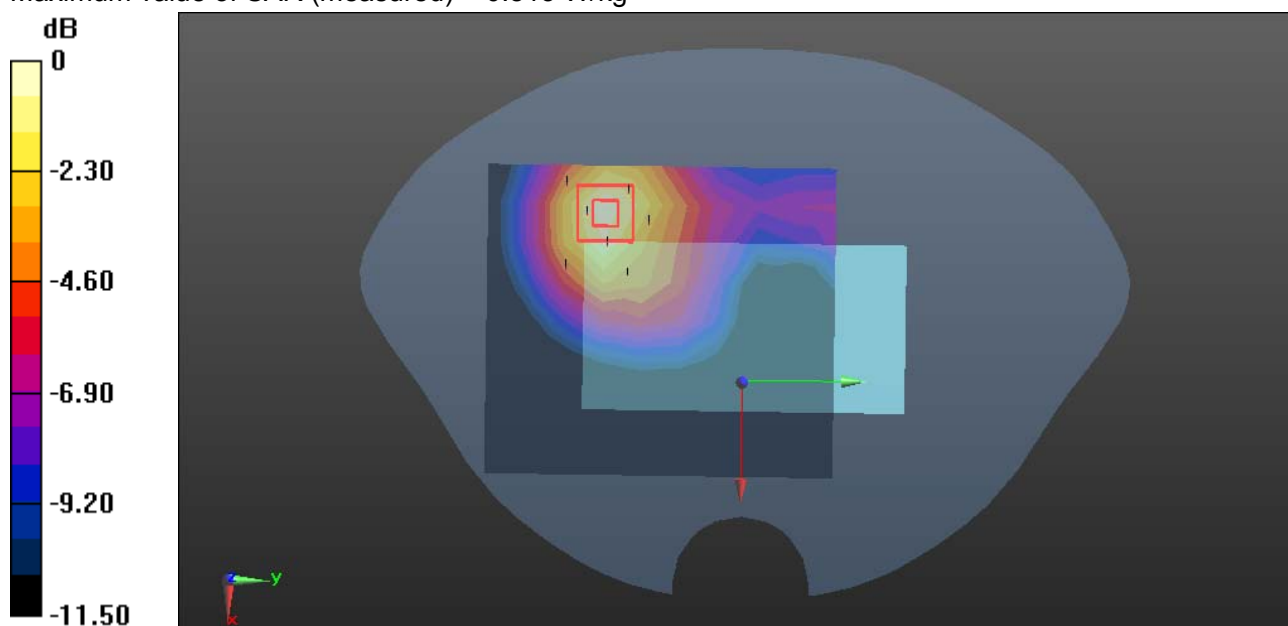
GPRS 1900/Body Rear High CH810/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.375 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.813 W/kg



0 dB = 0.813 W/kg = -0.90 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

WCDMA Band II-Body hotspot Rear High CH9538**DUT: smart phone; Type: PH4001; Serial: 135790246811222**

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; $\sigma = 1.57$ S/m; $\epsilon_r = 52.449$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 (10x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.788 W/kg

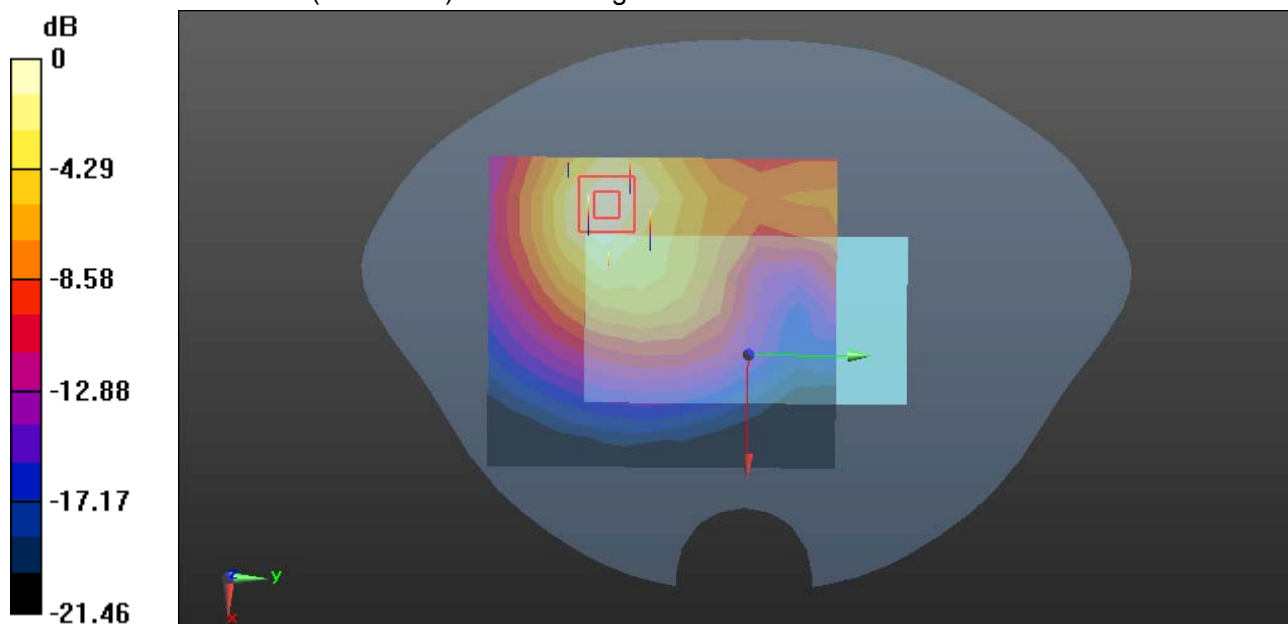
WCDMA Band II/Body Rear High CH9538/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.370 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.804 W/kg



0 dB = 0.804 W/kg = -0.95 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/19/2016

WCDMA Band V-Body Top hotspot High CH4233

DUT: smart phone; Type: PH4001; Serial: 135790246811222

Communication System: UID 0, FDD WCDMA (0); Communication System Band: Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.999$ S/m; $\epsilon_r = 55.388$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(8.87, 8.87, 8.87); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- 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 Top High CH4233/Area Scan (10x9x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.258 W/kg

WCDMA Band V/Body Top High CH4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

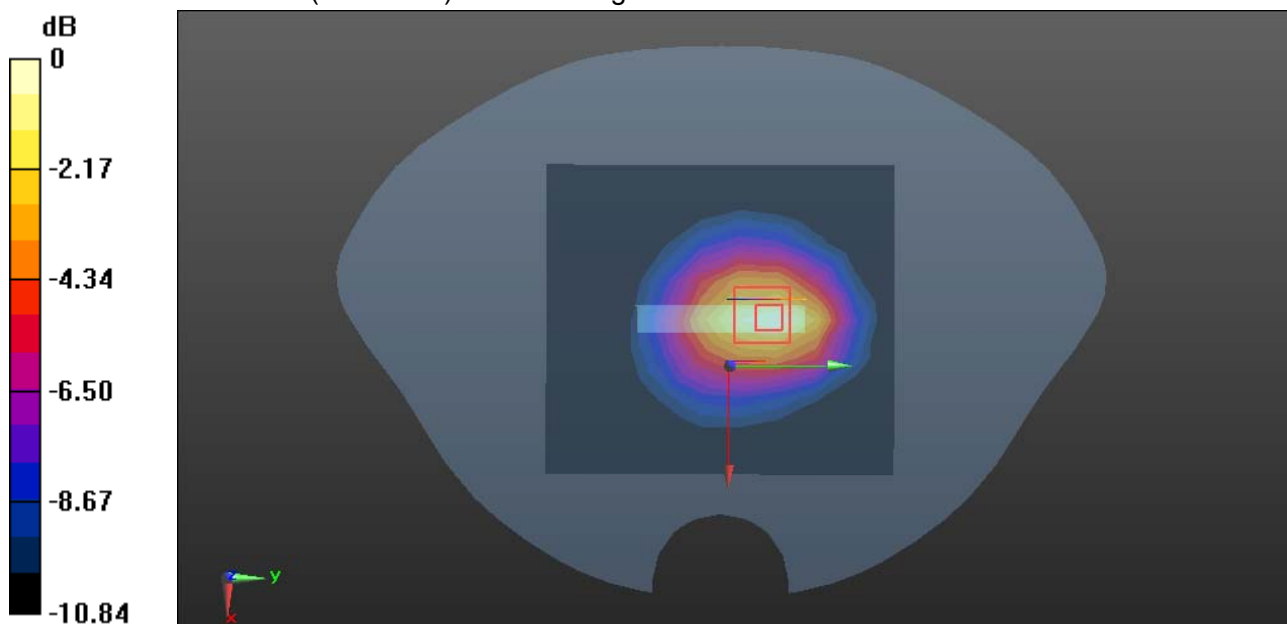
Reference Value = 13.82 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.109 W/kg

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

Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg = -5.97 dBW/kg

Test Laboratory: Compliance Certification Services Inc.

Date: 1/20/2016

WiFi-Body Left hotspot Middle CH6**DUT: smart phone; Type: PH4001; Serial: 135790246811222**Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;
Frequency: 2437 MHz; Duty Cycle: 1:1Medium parameters used: $f = 2437$ MHz; $\sigma = 1.937$ S/m; $\epsilon_r = 51.701$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/22/2015
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WiFi/Middle CH6/Area Scan (13x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.404 W/kg

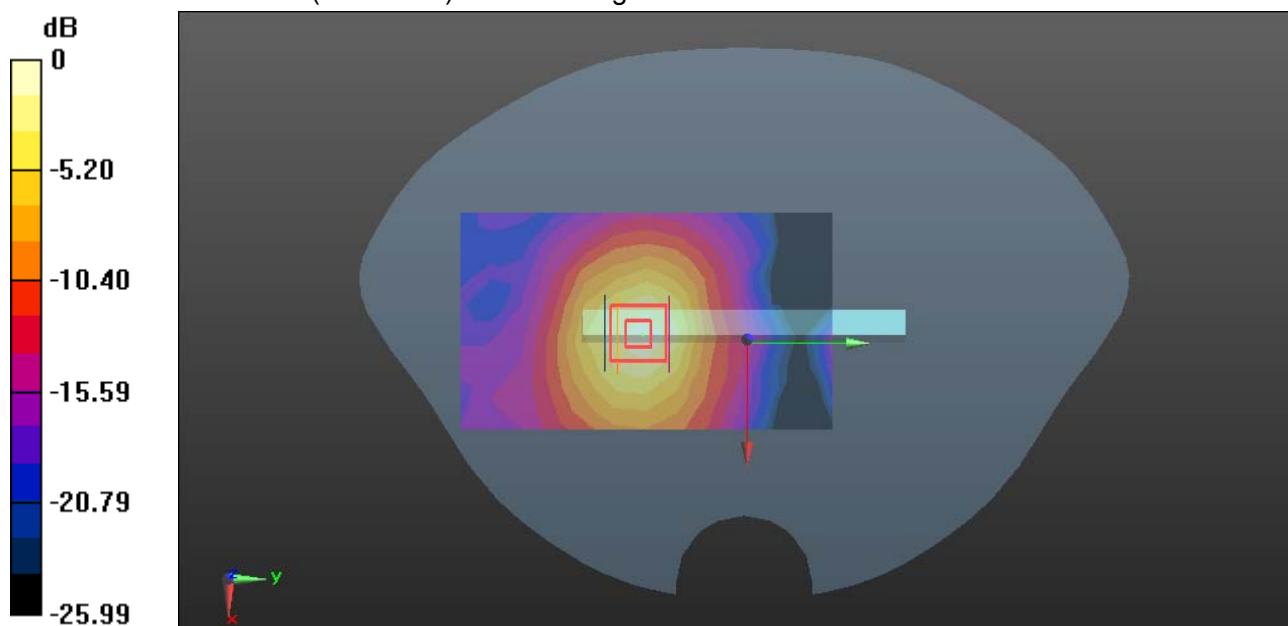
WiFi/Middle CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.260 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.646 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.424 W/kg



0 dB = 0.424 W/kg = -3.73 dBW/kg