

**Appendix B:SAR Measurement results Plots**

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Test Laboratory: CTI SAR Lab

**RG310 GSM850 190CH Right Hand Touch Cheek****DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFIJVTWKB6**

Communication System: UID 0, Generic GSM (0); Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.926$  S/m;  $\epsilon_r = 40.895$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(10.17, 10.17, 10.17); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.418 W/kg

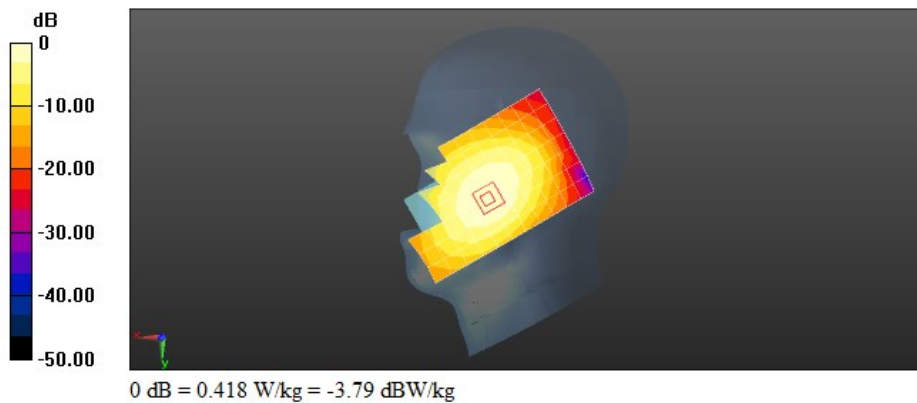
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.879 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.479 W/kg

**SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 0.429 W/kg



Test Laboratory: CTI SAR Lab

**RG310 GSM850 190CH Back Side 15mm****DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFIJVTWKB6**

Communication System: UID 0, Generic GSM (0); Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.97$  S/m;  $\epsilon_r = 54.179$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(9.67, 9.67, 9.67); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.495 W/kg

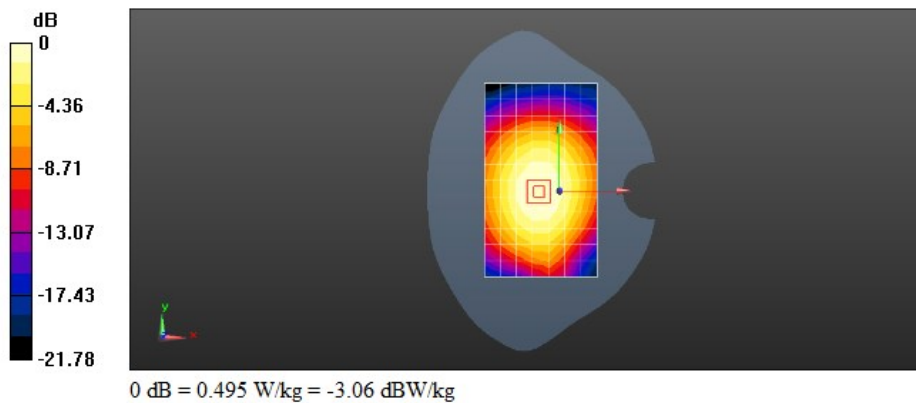
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.95 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.560 W/kg

**SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.329 W/kg**

Maximum value of SAR (measured) = 0.512 W/kg



Test Laboratory: CTI SAR Lab

## RG310 GSM850 GPRS 4TS 128CH Back Side 10mm-Repeated

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVYTWKB6**

Communication System: UID 0, GPRS 4TS (0); Communication System Band: GSM850 GPRS 4TS; Frequency: 824.2 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.962$  S/m;  $\epsilon_r = 54.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(9.67, 9.67, 9.67); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.12 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

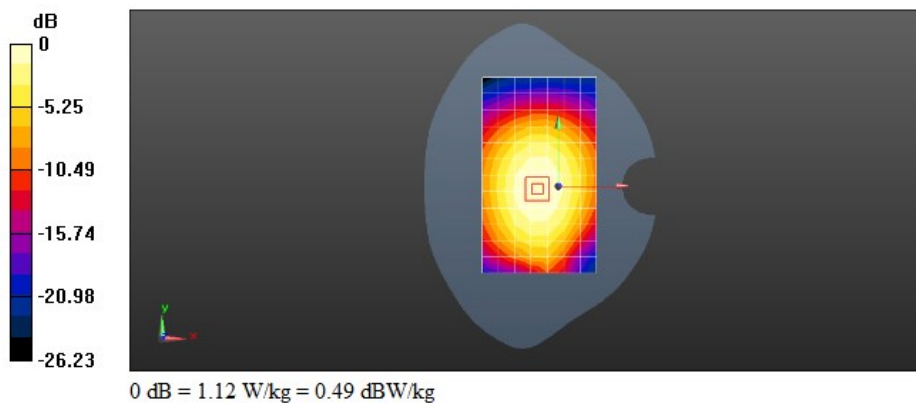
Reference Value = 32.97 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.987 W/kg; SAR(10 g) = 0.739 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.14 W/kg



Test Laboratory: CTI SAR Lab

**RG310 GSM1900 661CH Right Hand Touch Cheek****DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFIJVTWKB6**

Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  S/m;  $\epsilon_r = 39.714$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(8.16, 8.16, 8.16); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.301 W/kg

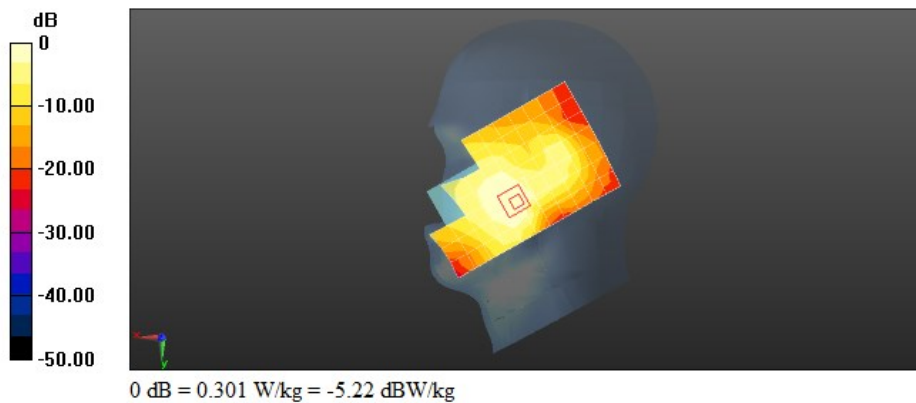
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.239 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.348 W/kg

**SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.161 W/kg**

Maximum value of SAR (measured) = 0.298 W/kg





Test Laboratory: CTI SAR Lab

# **RG310 GSM1900 661CH Back Side 15mm**

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFIJVTWKB6**

Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.495$  S/m;  $\epsilon_r = 51.328$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.8, 7.8, 7.8); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.481 W/kg

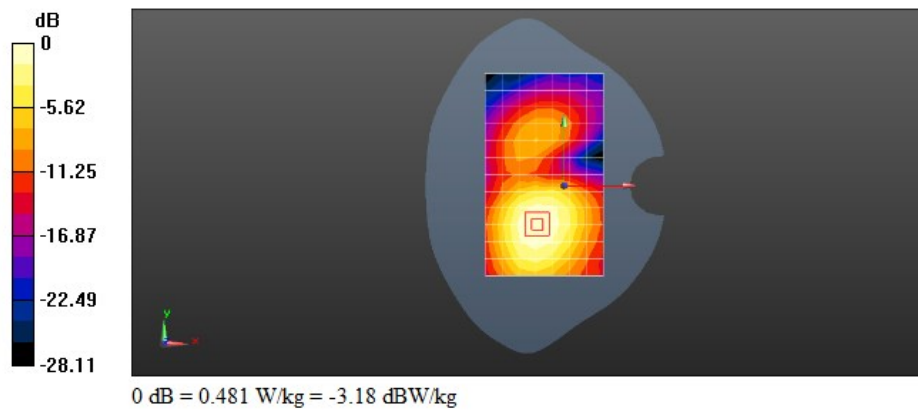
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.369 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.567 W/kg

**SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.252 W/kg**

Maximum value of SAR (measured) = 0.478 W/kg



Test Laboratory: CTI SAR Lab

# **RG310 GSM1900 GPRS 2TS 661CH Back Side 10mm**

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVYTWKB6**

Communication System: UID 0, GPRS 2TS (0); Communication System Band: GSM1900 GPRS 2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.495$  S/m;  $\epsilon_r = 51.328$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.8, 7.8, 7.8); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

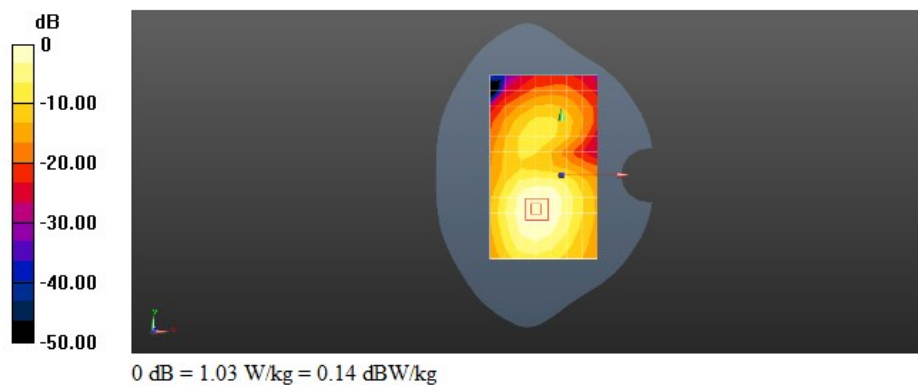
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.71 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.836 W/kg; SAR(10 g) = 0.552 W/kg**

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



Test Laboratory: CTI SAR Lab

## RG310 UMTS Band V 4182CH Right Hand Touch Cheek

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVYTWKB6**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Communication System Band: Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.924$  S/m;  $\epsilon_r = 40.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(10.17, 10.17, 10.17); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.296 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

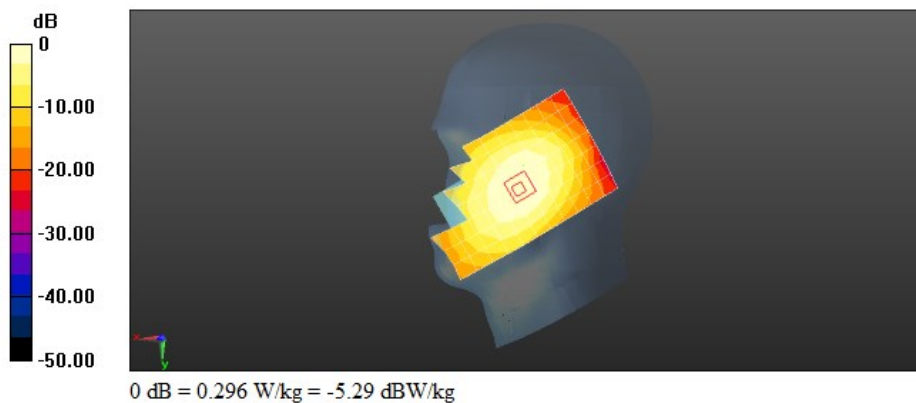
Reference Value = 6.861 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.199 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.301 W/kg





Test Laboratory: CTI SAR Lab

## RG310 UMTS Band V 4182CH Back Side 15mm

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVYTWKB6**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Communication System Band: Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.972$  S/m;  $\epsilon_r = 54.199$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(9.67, 9.67, 9.67); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.414 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

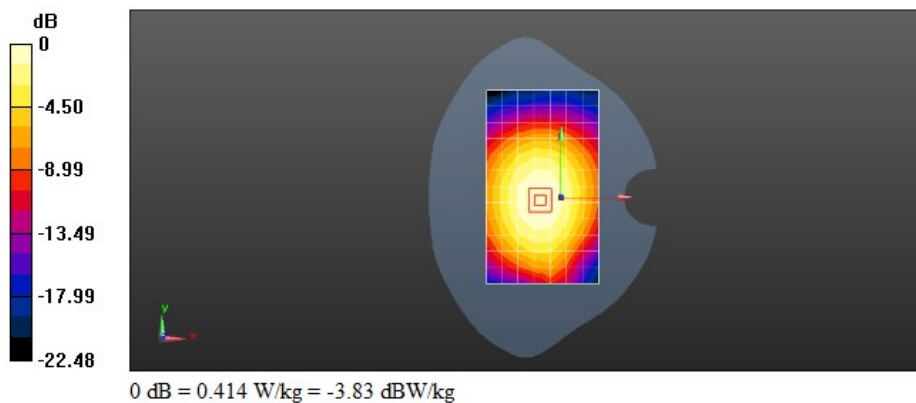
Reference Value = 19.80 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.273 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.423 W/kg



Test Laboratory: CTI SAR Lab

## RG310 UMTS Band V 4182CH Back Side 10mm

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVYTWKB6**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Communication System Band: Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.972$  S/m;  $\epsilon_r = 54.199$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(9.67, 9.67, 9.67); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.534 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

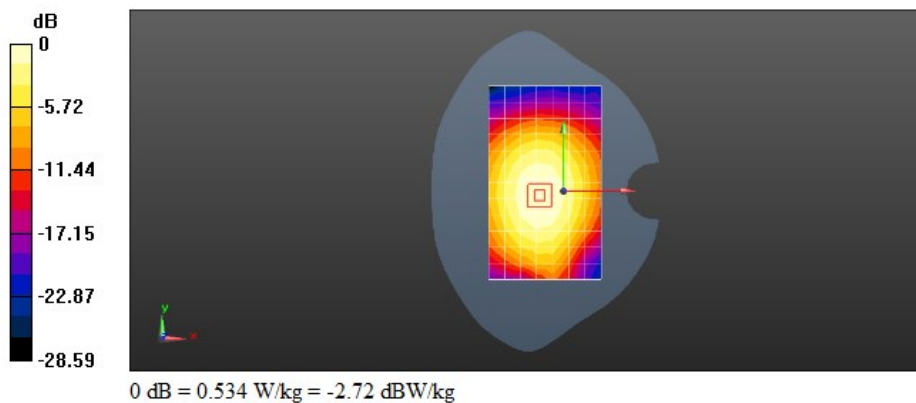
Reference Value = 22.23 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.347 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.537 W/kg



Test Laboratory: CTI SAR Lab

## RG310 UMTS Band II 9400CH Left Hand Touch Cheek

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVYTWKB6**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Communication System Band: Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  S/m;  $\epsilon_r = 39.714$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(8.16, 8.16, 8.16); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.440 W/kg

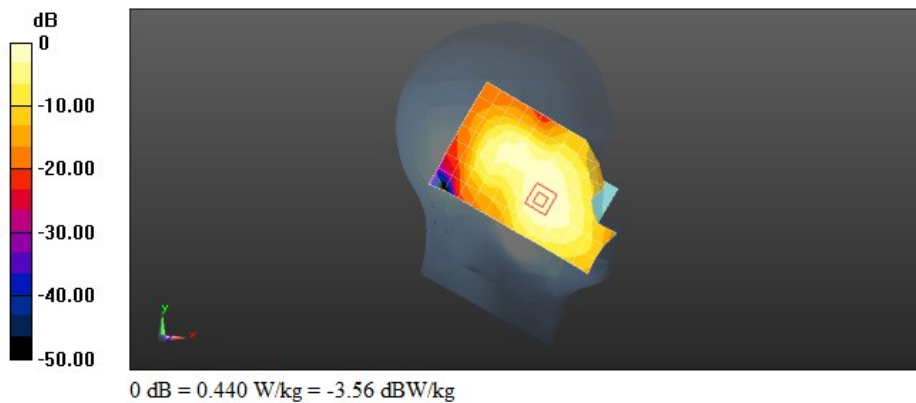
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.253 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.553 W/kg

**SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.246 W/kg**

Maximum value of SAR (measured) = 0.476 W/kg



Test Laboratory: CTI SAR Lab

## RG310 UMTS Band II 9400CH Back Side 15mm

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVVYTWKB6**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Communication System Band: Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.495$  S/m;  $\epsilon_r = 51.328$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.8, 7.8, 7.8); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.712 W/kg

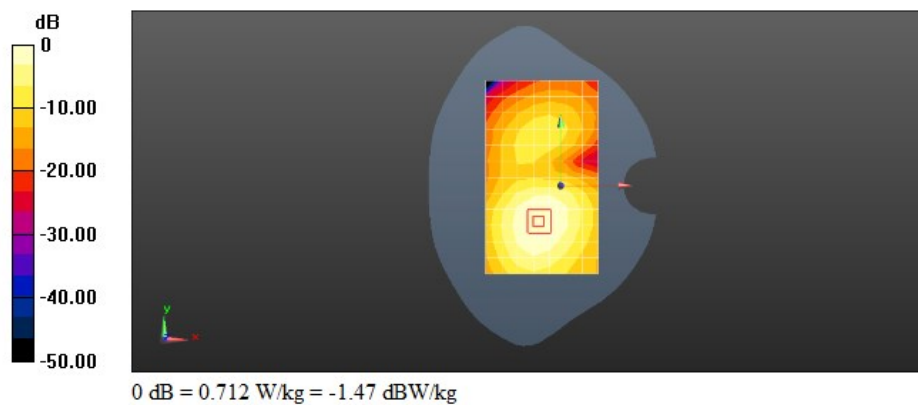
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.667 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.860 W/kg

**SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.383 W/kg**

Maximum value of SAR (measured) = 0.729 W/kg



Test Laboratory: CTI SAR Lab

## RG310 UMTS Band II 9400CH Back Side 10mm

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVTWK6**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Communication System Band: Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.495$  S/m;  $\epsilon_r = 51.328$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.8, 7.8, 7.8); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.07 W/kg

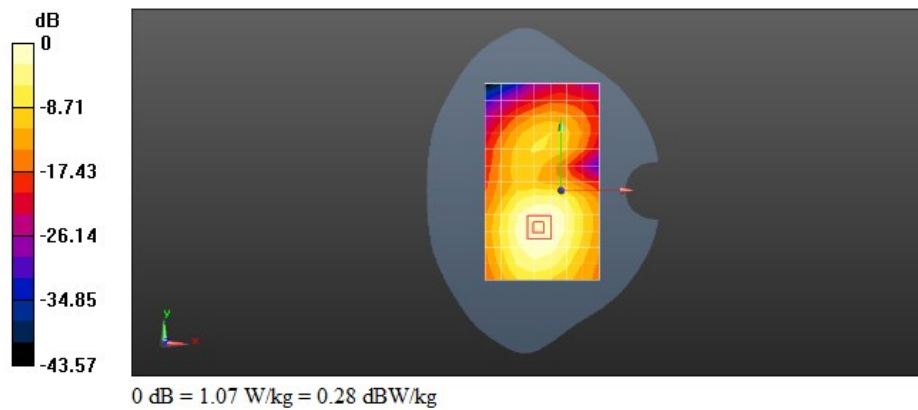
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.68 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.873 W/kg; SAR(10 g) = 0.576 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg





Test Laboratory: CTI SAR Lab

### RG310 WiFi 802.11b 6CH Left Hand Touch Cheek

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFLJVYTWKB6**

Communication System: UID 0, WiFi 802.11 b/g/n (0); Communication System Band: WiFi; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.78$  S/m;  $\epsilon_r = 38.307$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.39, 7.39, 7.39); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.133 W/kg

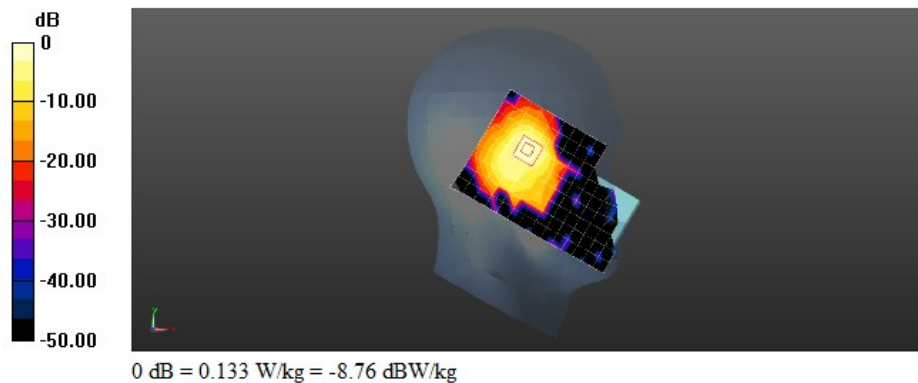
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.103 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.254 W/kg

**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.045 W/kg**

Maximum value of SAR (measured) = 0.172 W/kg



Test Laboratory: CTI SAR Lab

### RG310 WiFi 802.11b 6CH Back Side 15mm

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFIJVVYTWKB6**

Communication System: UID 0, WiFi 802.11 b/g/n (0); Communication System Band: WiFi; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.955$  S/m;  $\epsilon_r = 51.637$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.45, 7.45, 7.45); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/WiFi/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0176 W/kg

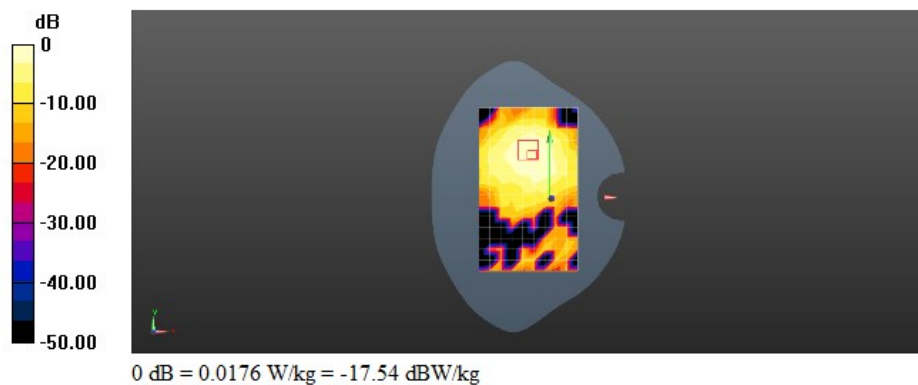
**Configuration/WiFi/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.342 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0370 W/kg

**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00762 W/kg**

Maximum value of SAR (measured) = 0.0297 W/kg



Test Laboratory: CTI SAR Lab

### RG310 WiFi 802.11b 6CH Back Side 10mm

**DUT: WCDMA Digital Mobile Phone; Type: RG310; Serial: IV6DUCFIJVVYTWKB6**

Communication System: UID 0, WiFi 802.11 b/g/n (0); Communication System Band: WiFi; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.955$  S/m;  $\epsilon_r = 51.637$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.45, 7.45, 7.45); Calibrated: 2/19/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2016
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/WiFi/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0398 W/kg

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

Reference Value = 2.349 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0550 W/kg

**SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.0423 W/kg

