

Test Laboratory: Intertek Service

P01_GSM850_GPRS12_Right Cheek_251

Communication System: UID 0, class 12 (0); Frequency: 848.6 MHz; Duty Cycle: 1:2

Medium: HSL835 Medium parameters used (interpolated): $f = 848.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.327$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.55, 9.55, 9.55); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.484 W/kg

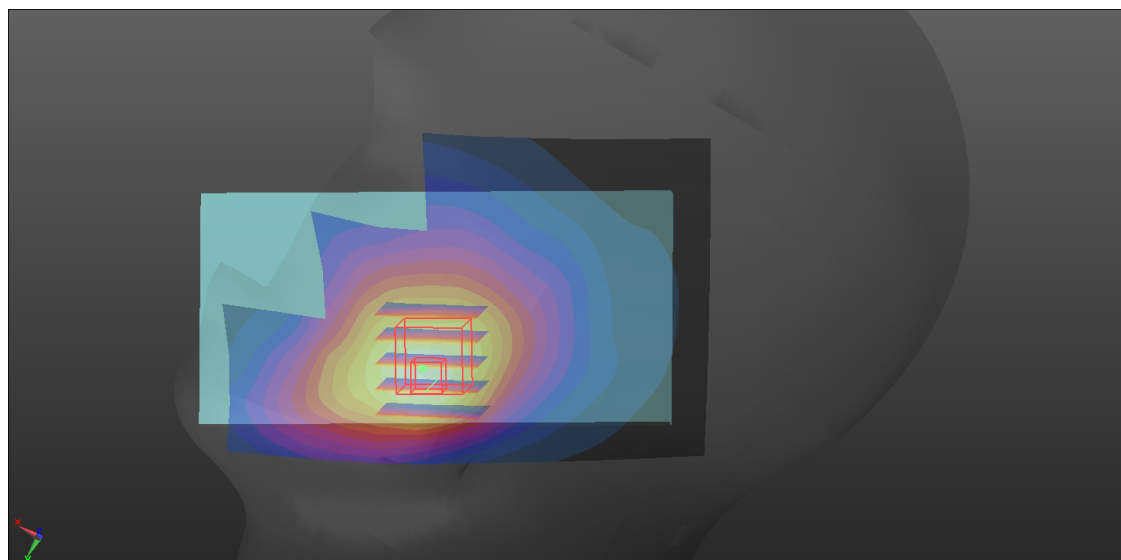
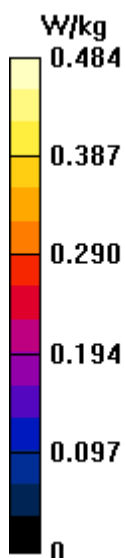
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.808 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.511 W/kg

SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 0.463 W/kg



Test Laboratory: Intertek Service

P02_GSM1900_GPRS12_Left Cheek_661

Communication System: UID 0, class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: HSL1950 Medium parameters used (extrapolated): $f = 1880$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 39.84$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.88, 7.88, 7.88); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.238 W/kg

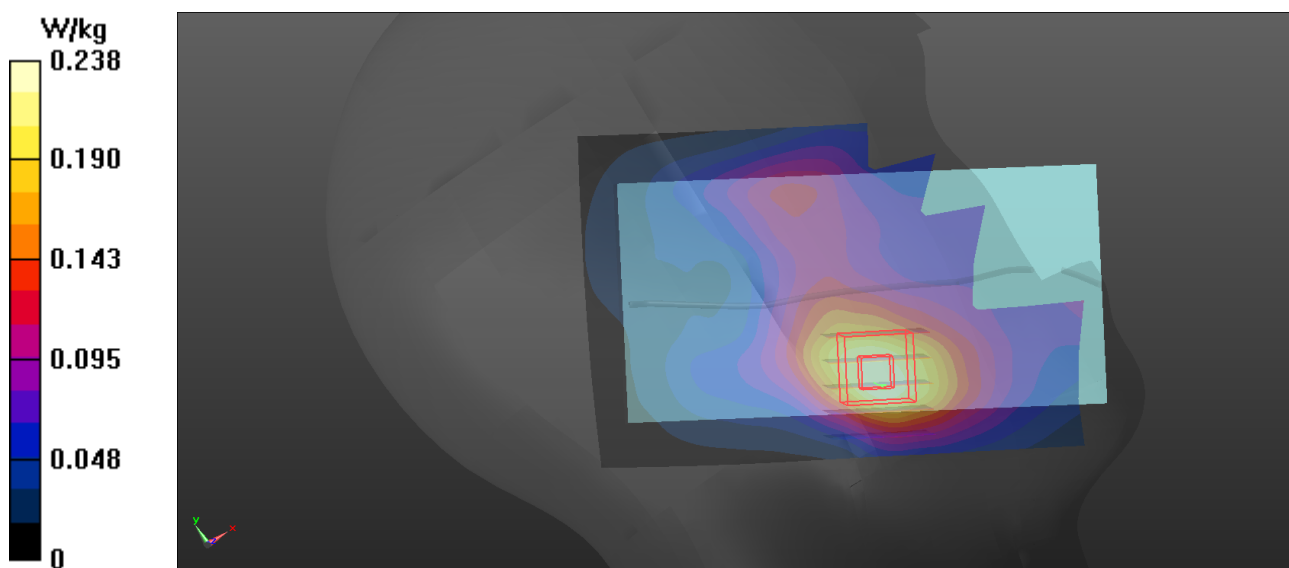
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.842 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.232 W/kg



Test Laboratory: Intertek Service

P03_WCDMA II_RMC12.2K_Left Cheek_9262

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL1950 Medium parameters used (extrapolated): $f = 1852.4$ MHz; $\sigma = 1.312$ S/m; $\epsilon_r = 39.895$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.88, 7.88, 7.88); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.165 W/kg

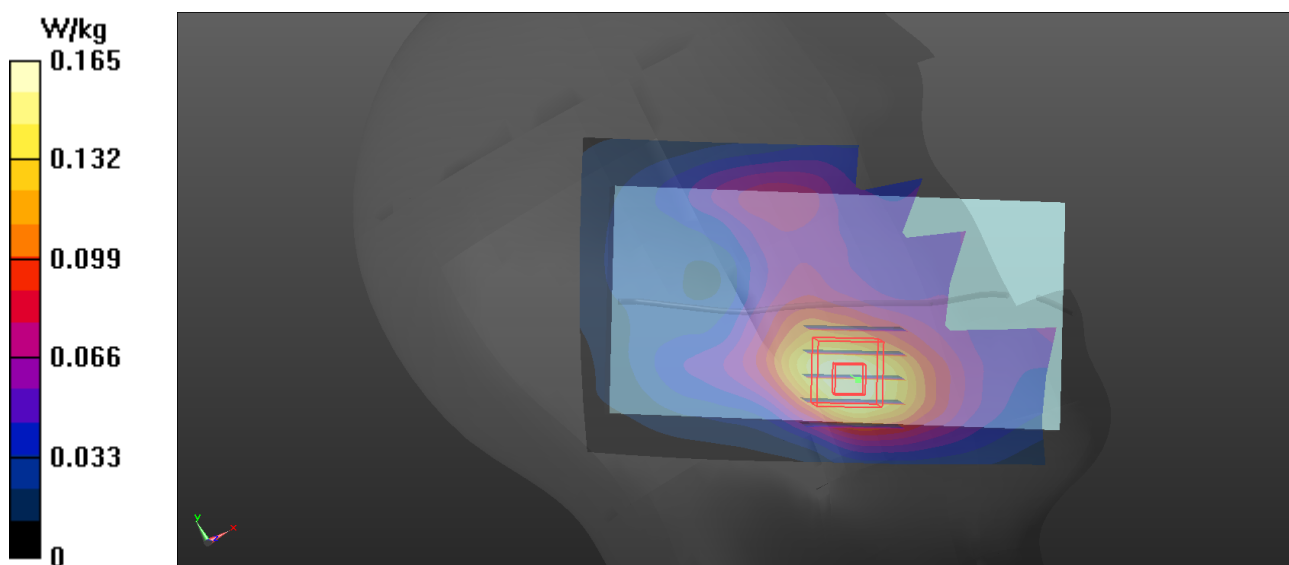
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.908 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.161 W/kg



Test Laboratory: Intertek Service

P04_WCDMA IV_RMC12.2K_Left Cheek_1513

Communication System: UID 0, WCDMA IV (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1750 Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.006$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.41, 8.41, 8.41); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.231 W/kg

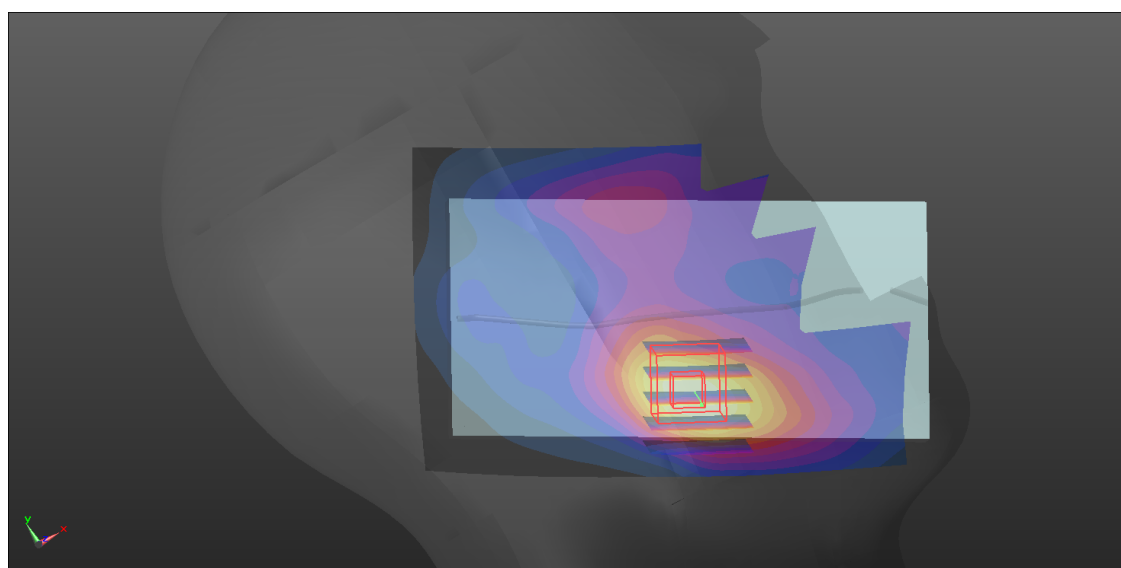
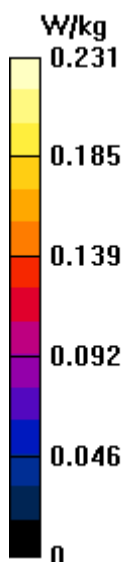
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.672 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.226 W/kg



Test Laboratory: Intertek Service

P05_WCDMA V_RMC12.2K_Right Cheek_4233

Communication System: UID 0, WCDMA 850 (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 41.352$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.55, 9.55, 9.55); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.289 W/kg

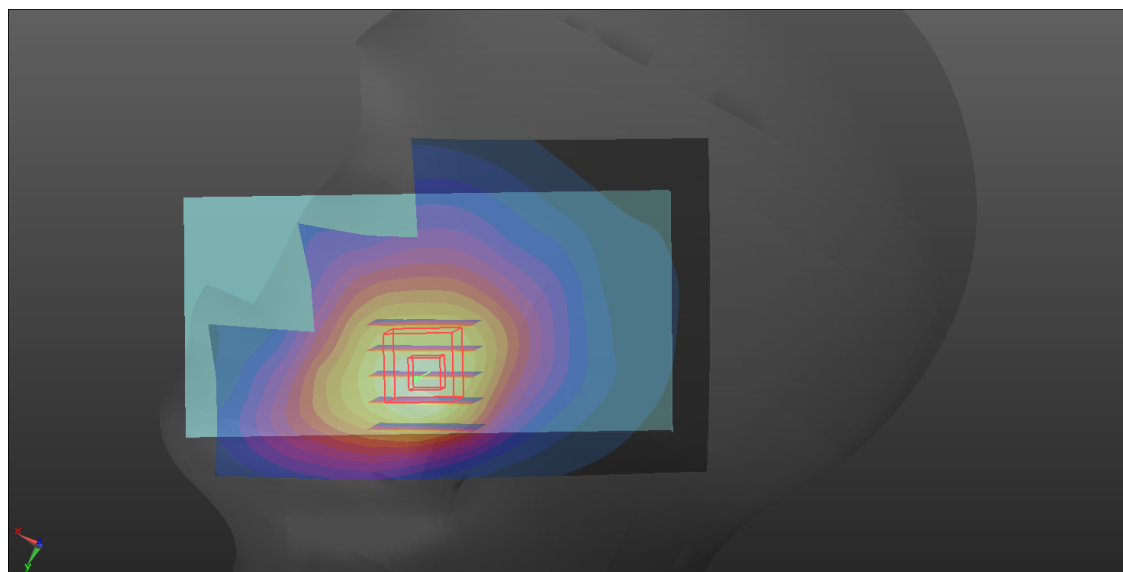
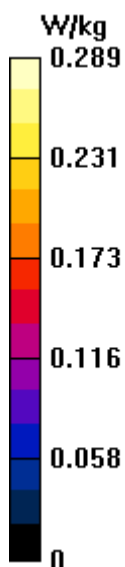
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.223 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.308 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.280 W/kg



Test Laboratory: Intertek Service

P06_CDMA BC0_RC3+SO32(FCH)_Right Cheek_777

Communication System: UID 0, CDMA2000 evdo 835 (0); Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (extrapolated): $f = 848.31$ MHz; $\sigma = 0.974$ S/m; $\epsilon_r = 42.372$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.57, 9.57, 9.57); Calibrated: 5/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.365 W/kg

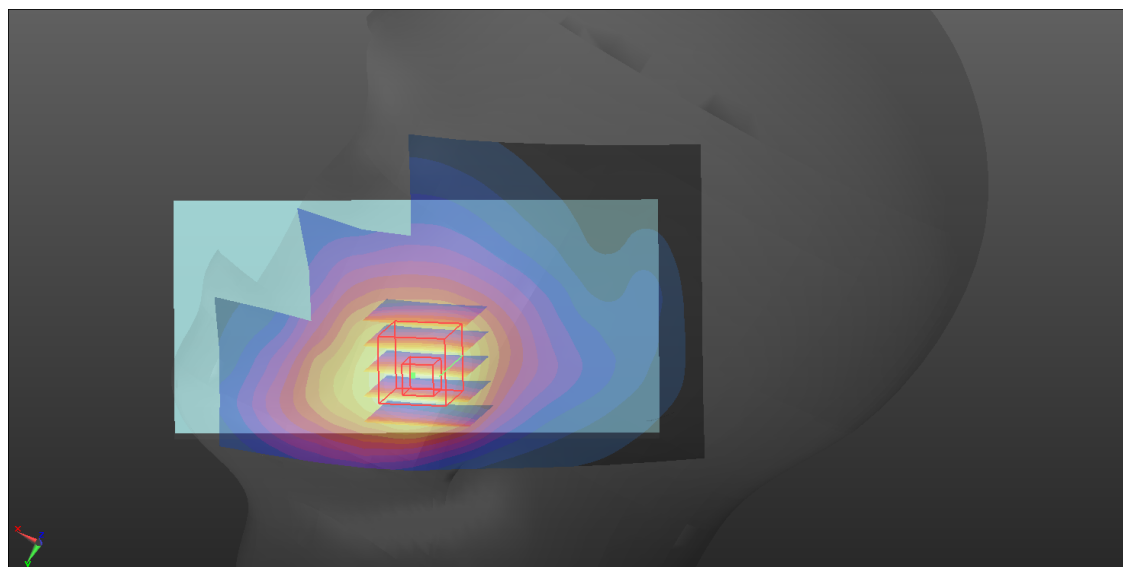
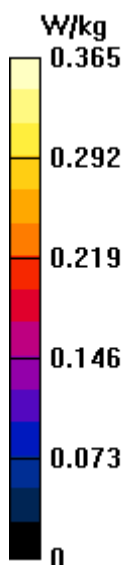
CoZoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.409 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 0.357 W/kg



Test Laboratory: Intertek Service

P07_CDMA BC1_RC3+SO32(FCH)_Left Cheek_600

Communication System: UID 0, CDMA2000 1x EVDO 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium: HSL1950 Medium parameters used (extrapolated): $f = 1880$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 39.84$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.88, 7.88, 7.88); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.278 W/kg

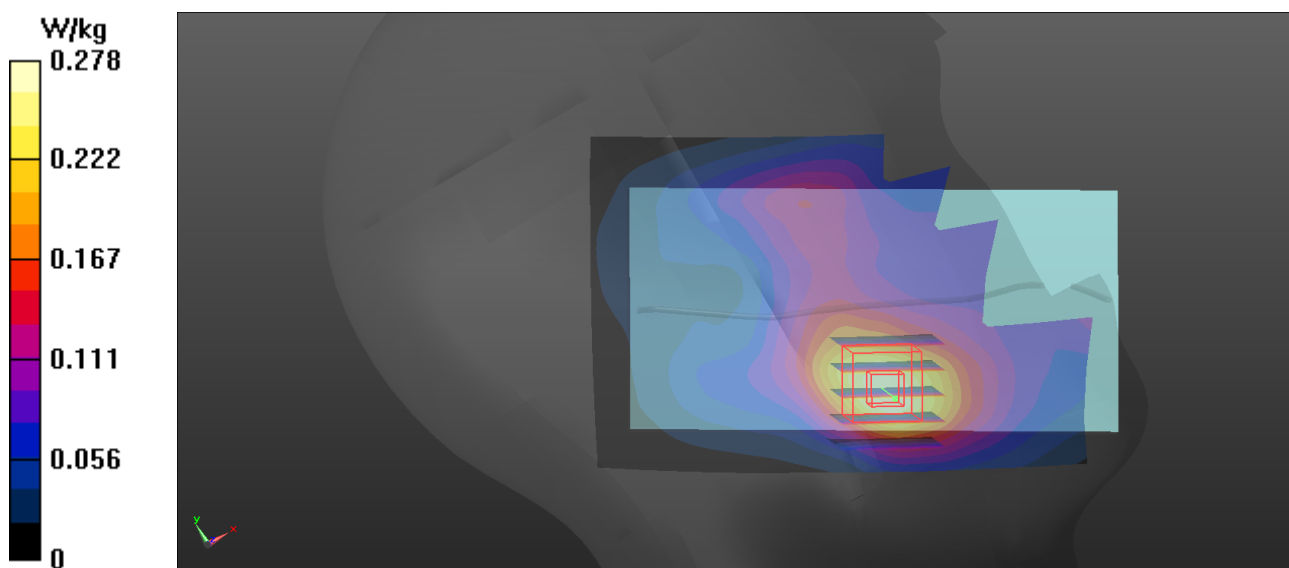
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.292 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.317 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.276 W/kg



Test Laboratory: Intertek Service

P08_CDMA BC10_RC3+SO32(FCH)_Right Cheek_580

Communication System: UID 0, CDMA2000 BC10 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (extrapolated): $f = 820.5$ MHz; $\sigma = 0.948$ S/m; $\epsilon_r = 42.811$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.57, 9.57, 9.57); Calibrated: 5/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.261 W/kg

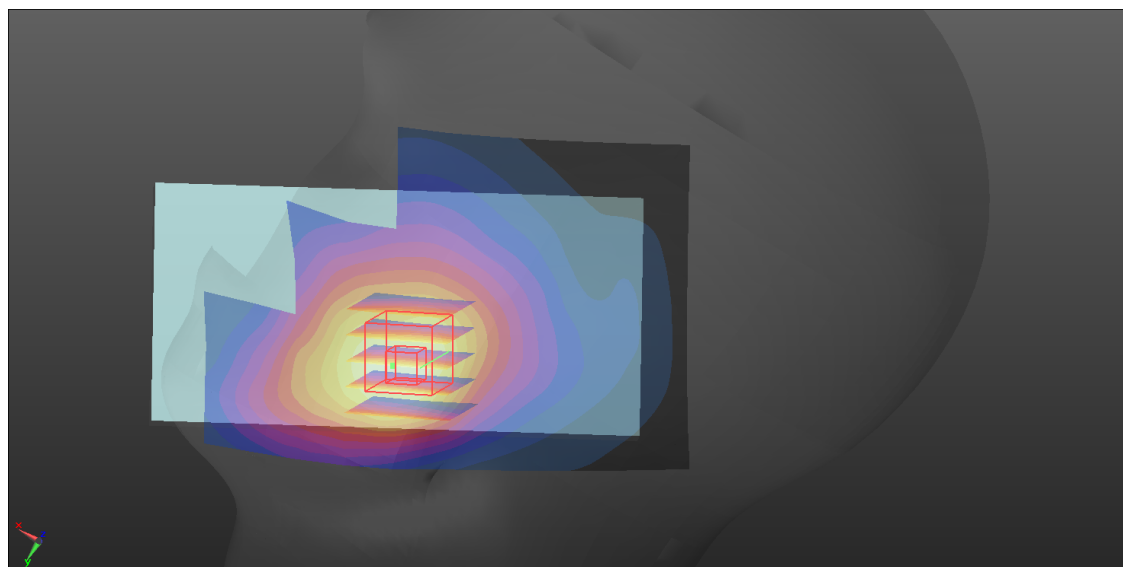
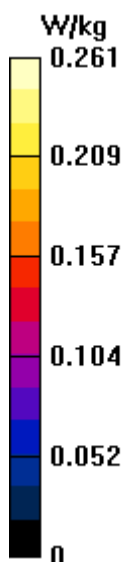
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.948 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.166 W/kg

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



Test Laboratory: Intertek Service

P09_LTE 4_QPSK20M_Left Cheek_20300_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL1750 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.053$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8.41, 8.41, 8.41); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.186 W/kg

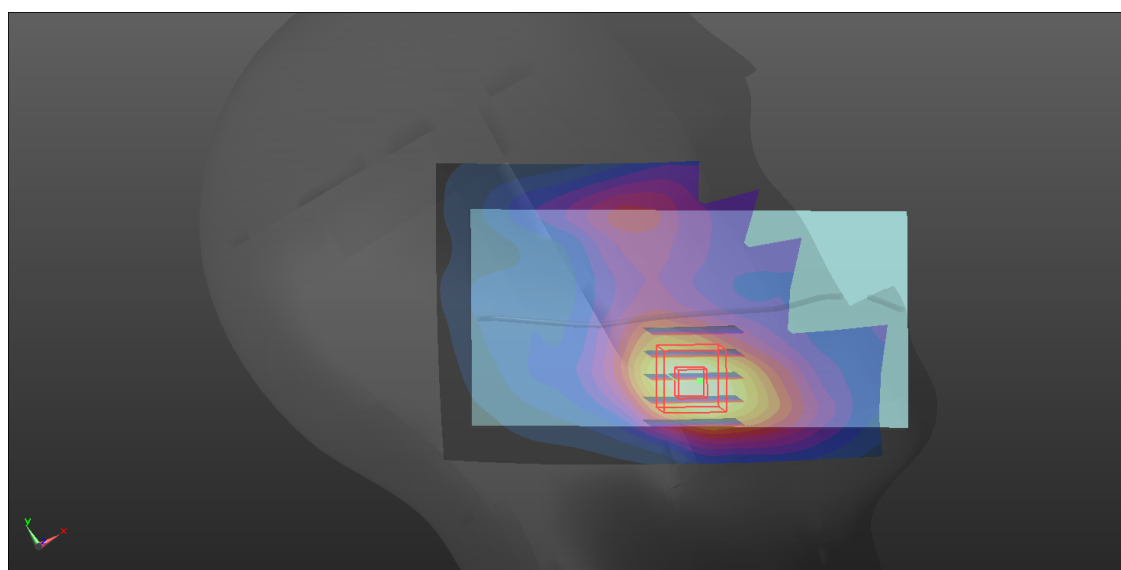
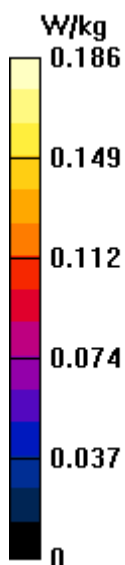
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.199 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.181 W/kg



Test Laboratory: Intertek Service

P10_LTE 7_QPSK20M_Right Cheek_21350_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL2600 Medium parameters used: $f = 2560$ MHz; $\sigma = 1.967$ S/m; $\epsilon_r = 38.749$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.09, 7.09, 7.09); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (81x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0710 W/kg

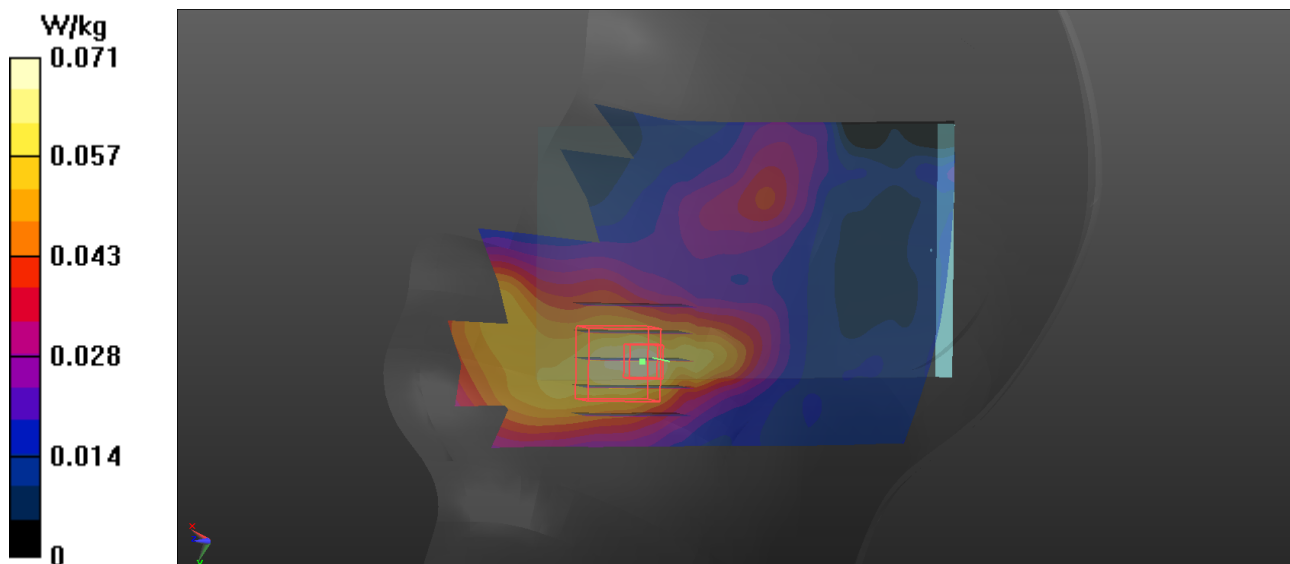
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 0.1210 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0760 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.0625 W/kg



Test Laboratory: Intertek Service

P11_LTE 12_QPSK10M_Right Cheek_23095_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL750 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.84$ S/m; $\epsilon_r = 43.496$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.89, 9.89, 9.89); Calibrated: 5/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.185 W/kg

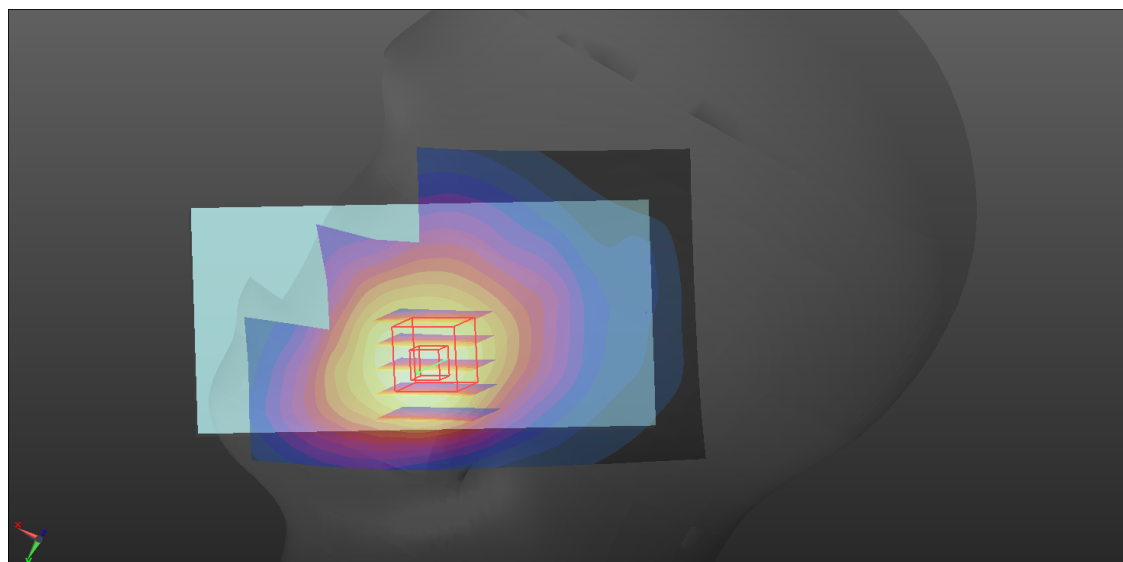
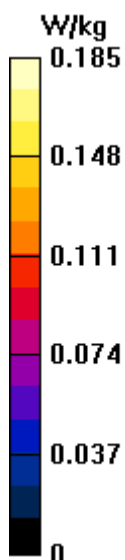
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.396 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



Test Laboratory: Intertek Service

P12_LTE 13_QPSK10M_Right Cheek_23230_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL750 Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 43.549$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.89, 9.89, 9.89); Calibrated: 5/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0809 W/kg

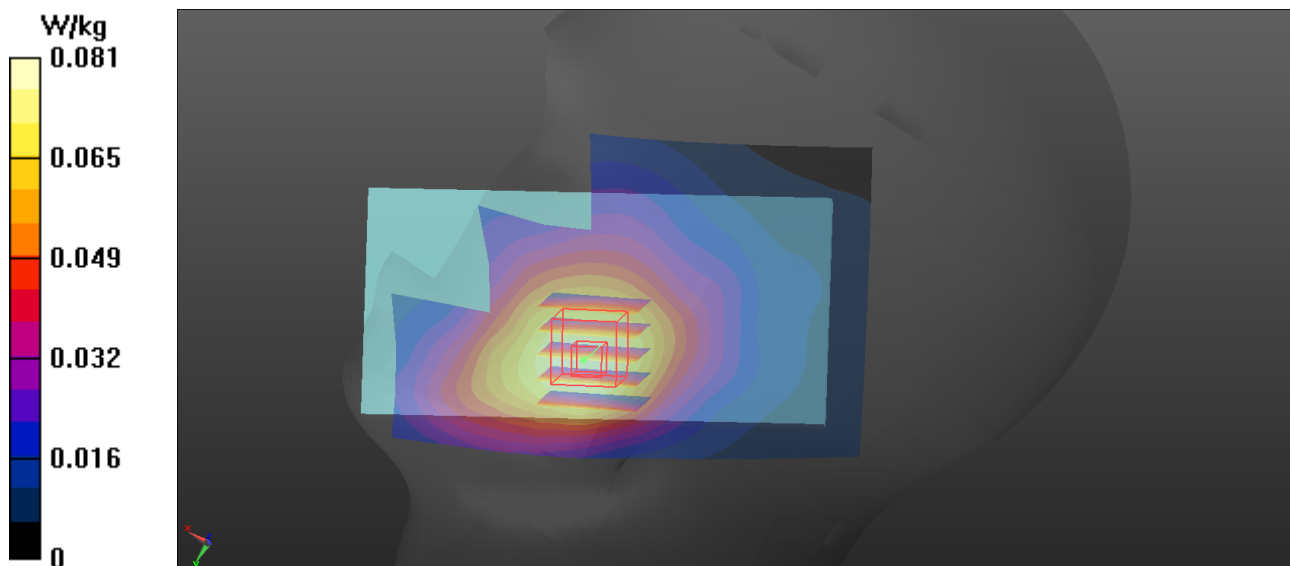
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.936 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0820 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.053 W/kg

Maximum value of SAR (measured) = 0.0761 W/kg



Test Laboratory: Intertek Service

P13_LTE 25_QPSK20M_Left Cheek_26590_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: HSL1950 Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 39.79$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.88, 7.88, 7.88); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.189 W/kg

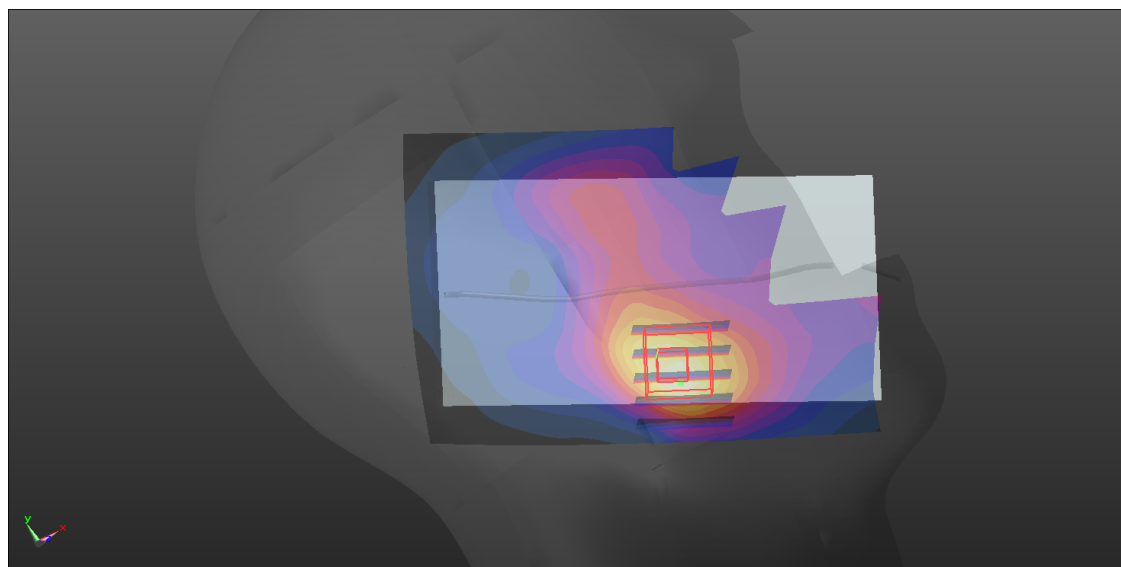
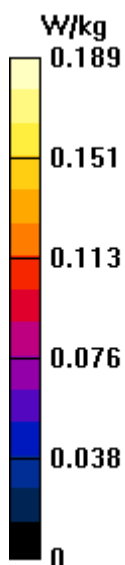
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.741 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.173 W/kg



Test Laboratory: Intertek Service

P14_LTE 26_QPSK15M_Right Cheek_26865_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 41.542$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.55, 9.55, 9.55); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.188 W/kg

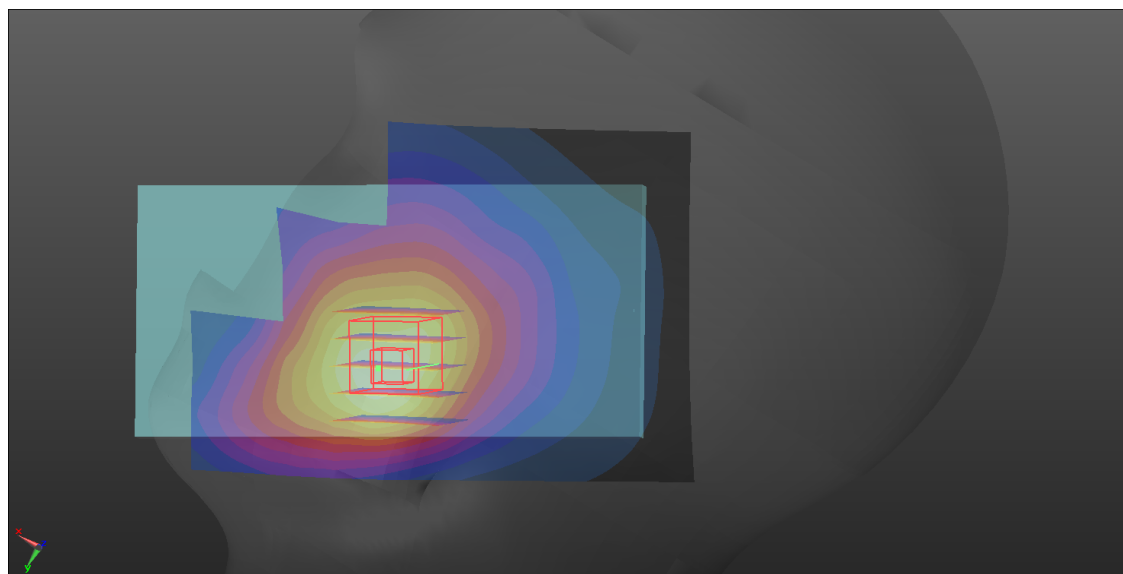
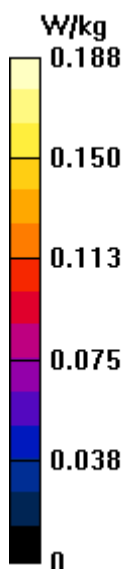
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.232 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



Test Laboratory: Intertek Service

P15_LTE 30_QPSK10M_Right Cheek_27710_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: HSL2300 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.715$ S/m; $\epsilon_r = 40.437$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.64, 7.64, 7.64); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (81x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0589 W/kg

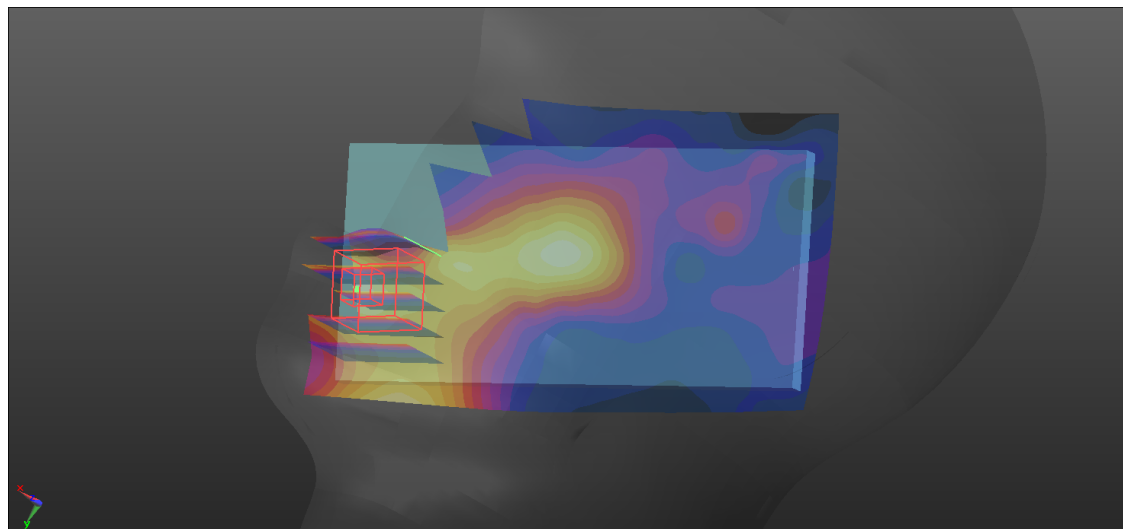
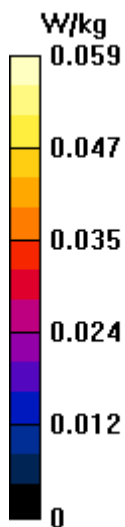
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.448 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0610 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.023 W/kg

Maximum value of SAR (measured) = 0.0520 W/kg



Test Laboratory: Intertek Service

P16_LTE 38_QPSK20M_Right Tilted_37850_1RB_0 Offset

Communication System: UID 0, Generic LTE TDD (0); Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium: HSL2600 Medium parameters used: $f = 2580$ MHz; $\sigma = 1.976$ S/m; $\epsilon_r = 38.664$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.09, 7.09, 7.09); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$

mm Maximum value of SAR (interpolated) = 0.0994 W/kg

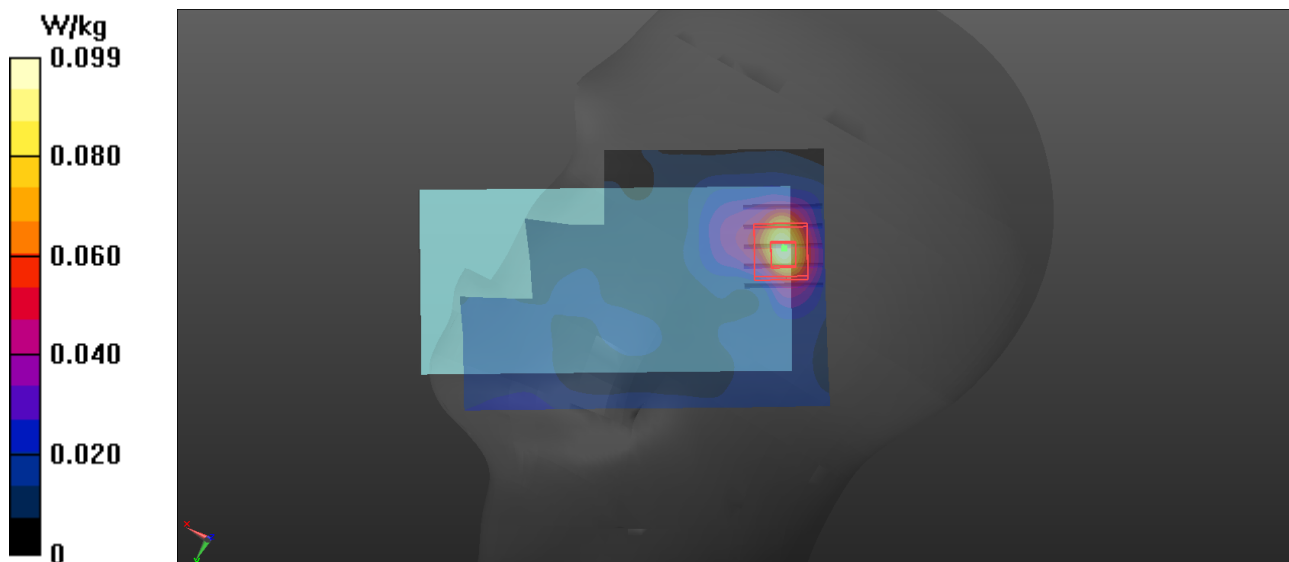
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.493 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.108 W/kg

SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.0838 W/kg



Test Laboratory: Intertek Service

P17_LTE 41_QPSK20M_Right Tilted_41490_1RB_0 Offset

Communication System: UID 0, Generic LTE TDD (0); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium: HSL2600 Medium parameters used: $f = 2680$ MHz; $\sigma = 2.1$ S/m; $\epsilon_r = 38.349$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.09, 7.09, 7.09); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0843 W/kg

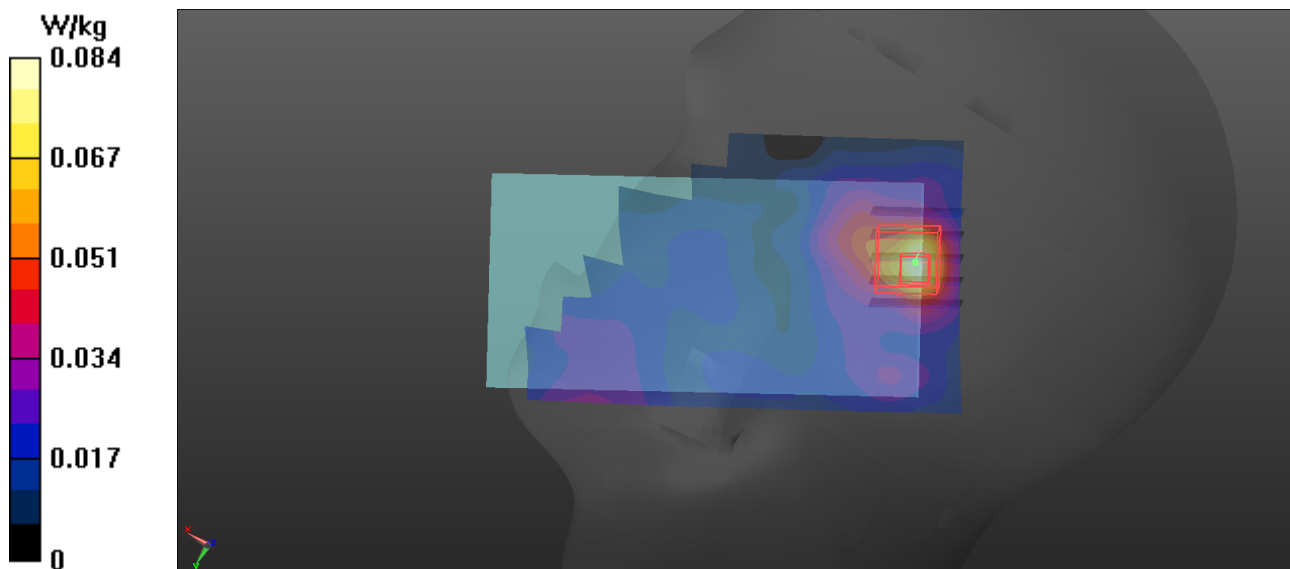
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.859 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.103 W/kg

SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0755 W/kg



Test Laboratory: Intertek Service

P18_802.11g_Right Tilted_6_ANT 1+2

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

Medium: HSL2450 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.883$ S/m; $\epsilon_r = 38.021$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.36, 7.36, 7.36); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (81x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.55 W/kg

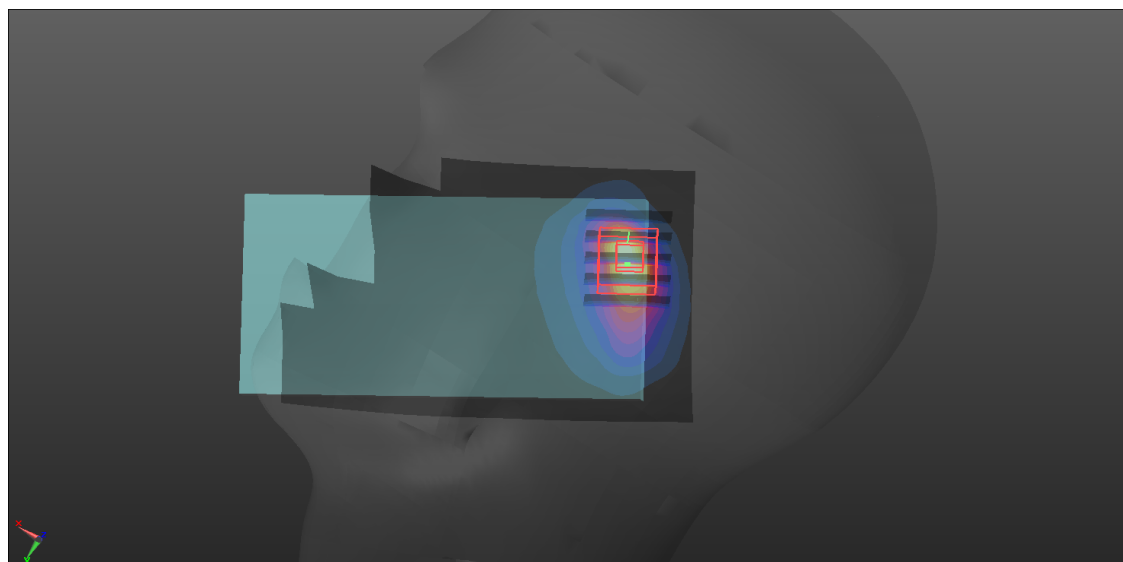
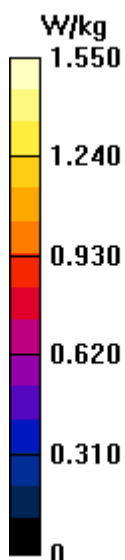
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 25.08 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 0.940 W/kg; SAR(10 g) = 0.439 W/kg

Maximum value of SAR (measured) = 1.58 W/kg



Test Laboratory: Intertek Service

P19_802.11a_Left Cheek_60_ANT 1

Communication System: UID 0, 802.11a (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: HSL 5GHz Medium parameters used: $f = 5300$ MHz; $\sigma = 4.62$ S/m; $\epsilon_r = 35.41$; $\rho = 1000$ kg/m³ Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(5.25, 5.25, 5.25); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (101x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.922 W/kg

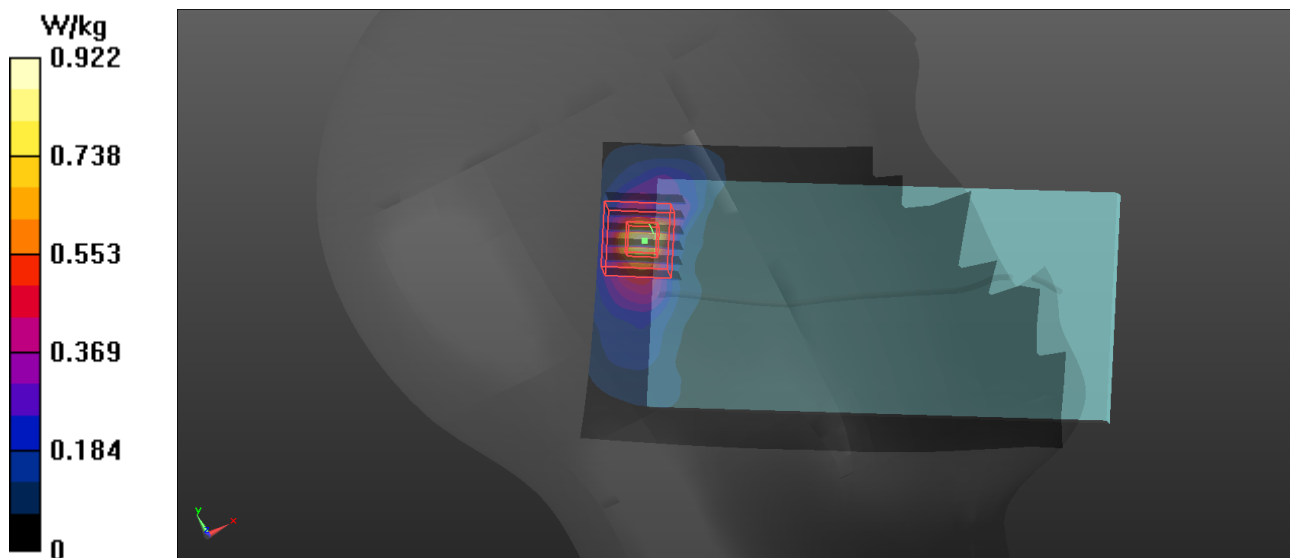
Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 9.712 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.136 W/kg

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



Test Laboratory: Intertek Service

P20_802.11a_Left Tilted_100_ANT 1+2

Communication System: UID 0, 802.11a (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: HSL 5GHz Medium parameters used: $f = 5500$ MHz; $\sigma = 4.82$ S/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.73, 4.73, 4.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (101x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

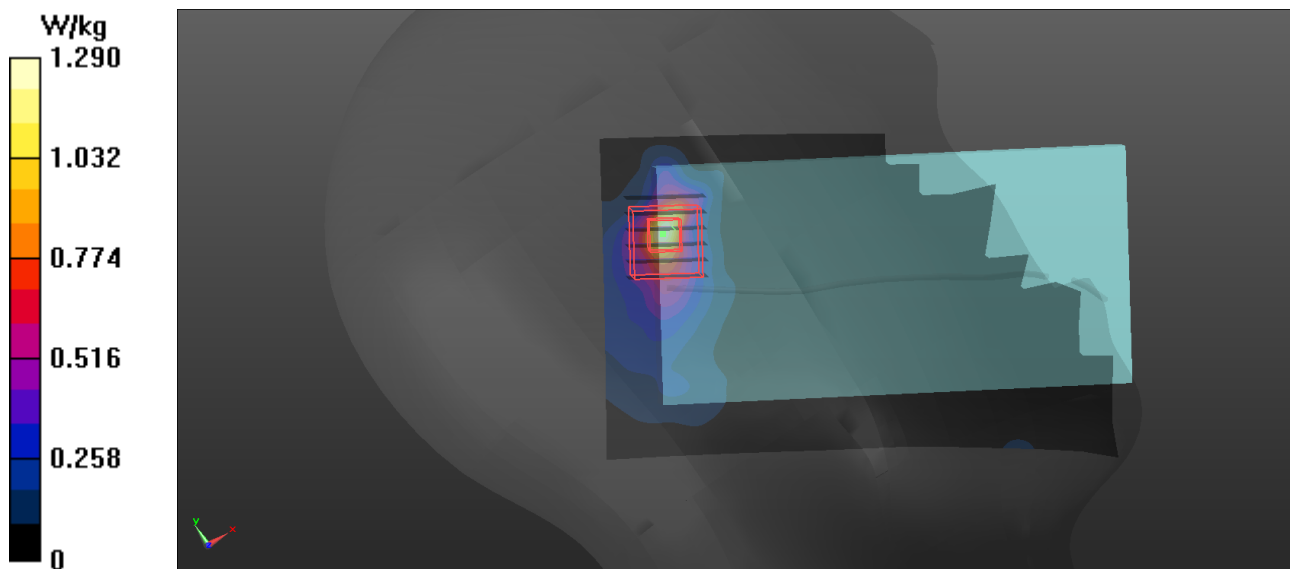
Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 11.14 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 1.20 W/kg



Test Laboratory: Intertek Service

P21_802.11a_Left Cheek_157_ANT 1+2

Communication System: UID 0, 802.11a (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5GHz Medium parameters used: $f = 5785$ MHz; $\sigma = 5.08$ S/m; $\epsilon_r = 34.62$; $\rho = 1000$ kg/m³ Phantom section: Left Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.77, 4.77, 4.77); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (101x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.650 W/kg

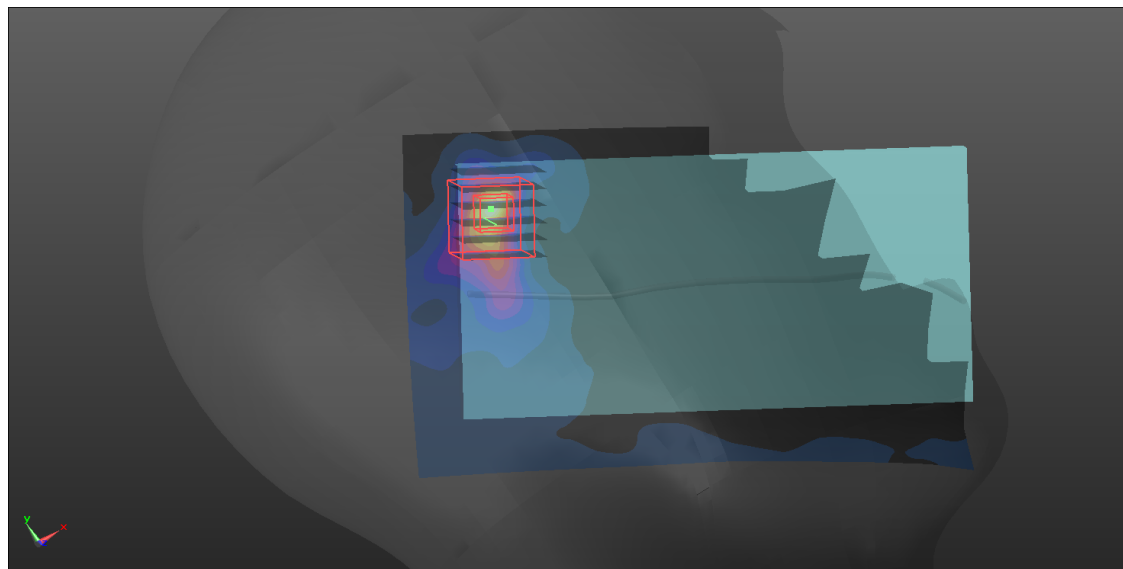
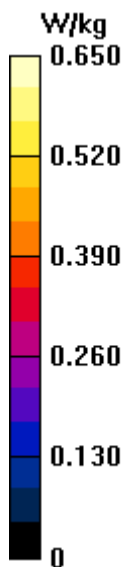
Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 4.987 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.726 W/kg



Test Laboratory: Intertek Service

P22_GSM850_GPRS12_Rear Face_1cm_251

Communication System: UID 0, class 12 (0); Frequency: 848.6 MHz; Duty Cycle: 1:2

Medium: MSL835 Medium parameters used (interpolated): $f = 848.6$ MHz; $\sigma = 0.984$ S/m; $\epsilon_r = 53.769$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.68, 9.68, 9.68); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

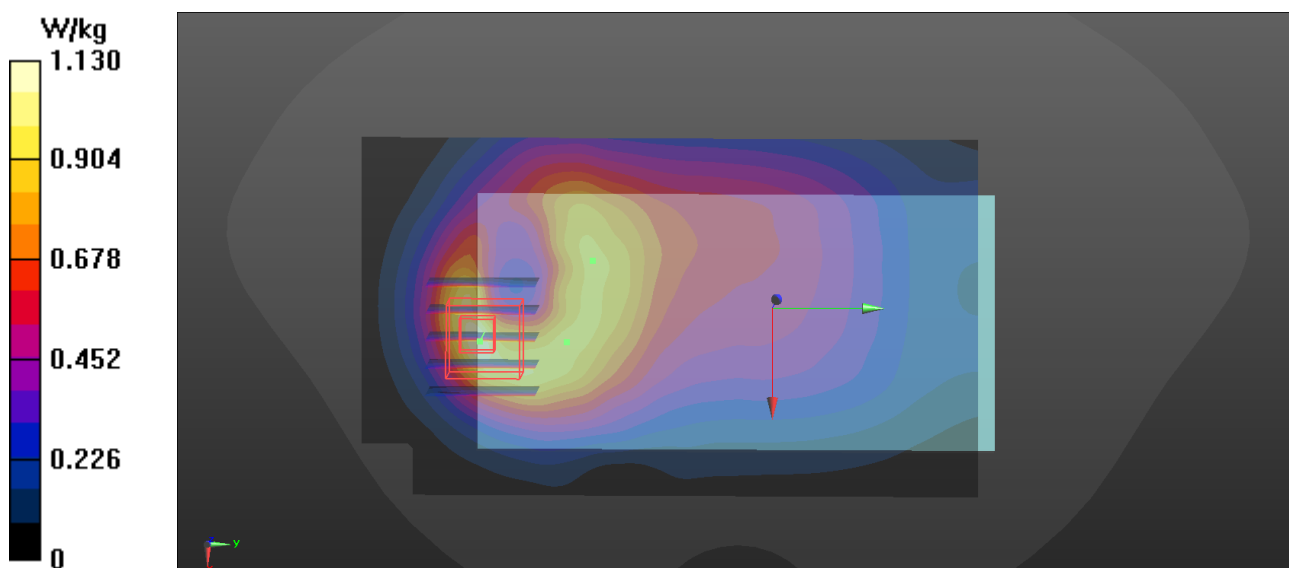
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.31 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.470 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



Test Laboratory: Intertek Service

P23_GSM1900_GPRS12_Rear Side_1.5cm_661

Communication System: UID 0, class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ S/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.73, 7.73, 7.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.964 W/kg

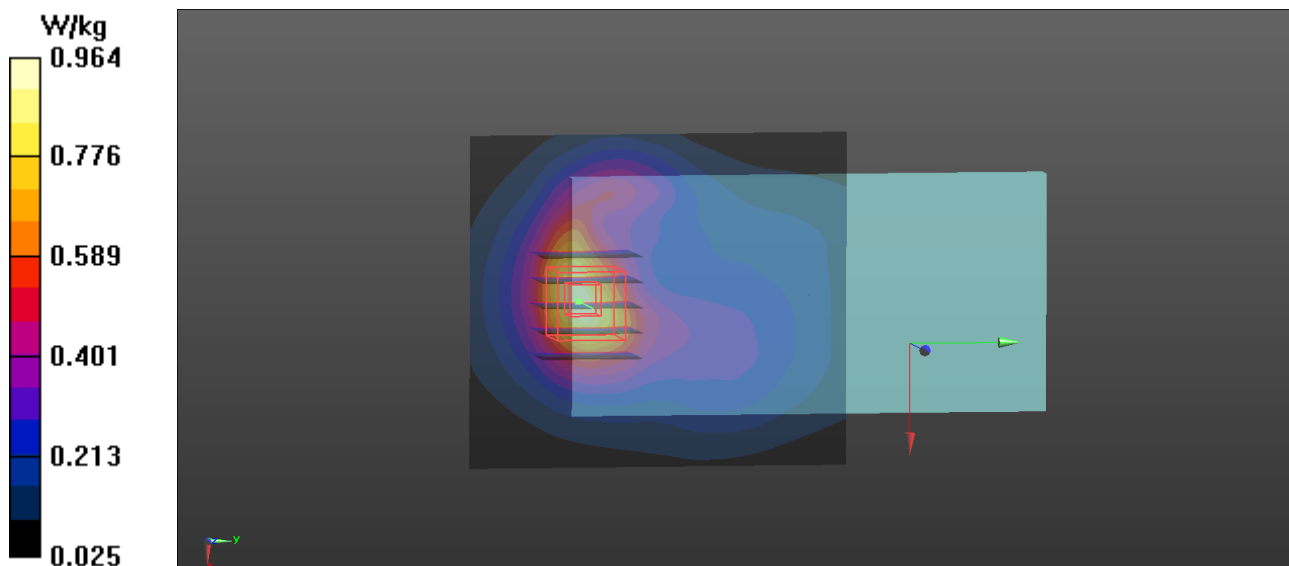
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.78 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.412 W/kg

Maximum value of SAR (measured) = 0.971 W/kg



Test Laboratory: Intertek Service

P24_GSM1900_GPRS12_Bottom Side_1cm_810

Communication System: UID 0, class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: MSL1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.6$ S/m; $\epsilon_r = 51.04$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.73, 7.73, 7.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.49 W/kg

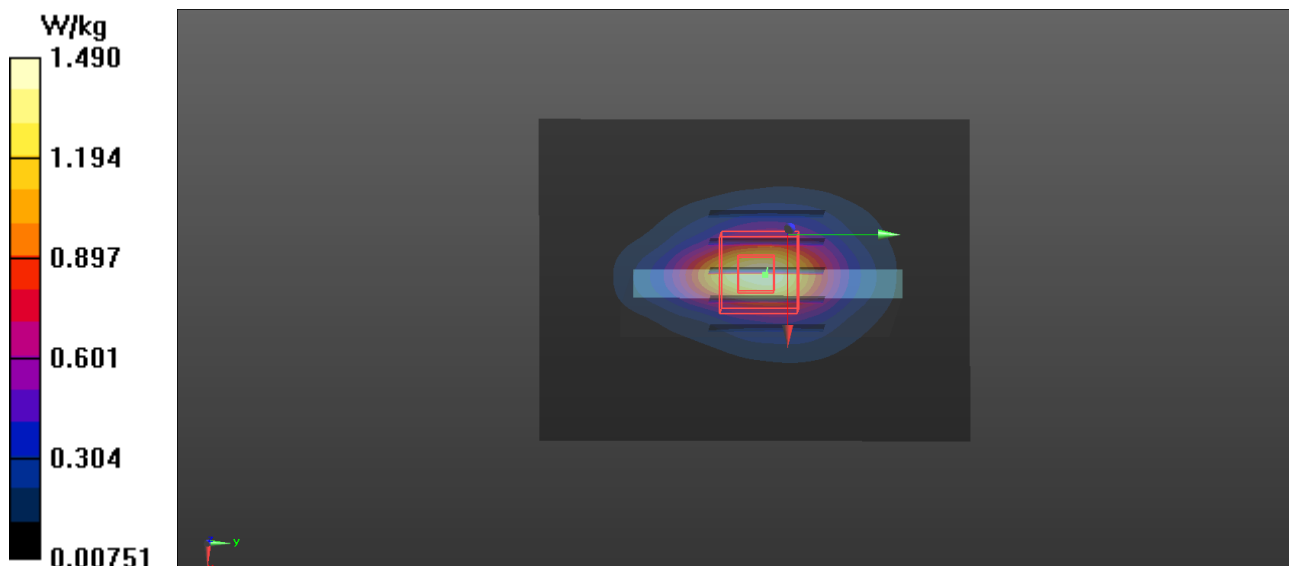
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 30.25 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.964 W/kg; SAR(10 g) = 0.504 W/kg

Maximum value of SAR (measured) = 1.45 W/kg



Test Laboratory: Intertek Service

P25_WCDMA II_RMC12.2K_Rear Face_1.5cm_9262

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.533$ S/m; $\epsilon_r = 51.233$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.73, 7.73, 7.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.669 W/kg

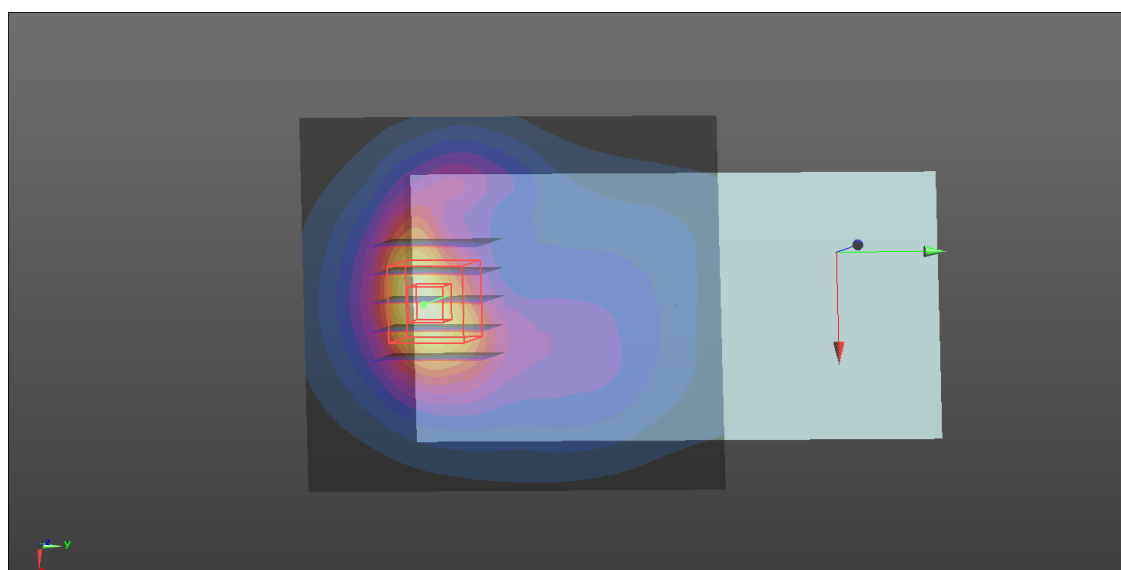
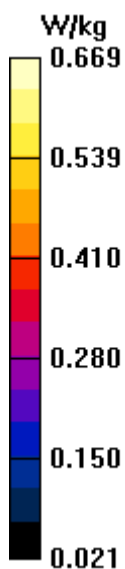
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.930 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.801 W/kg

SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.693 W/kg



Test Laboratory: Intertek Service

P26_WCDMA II_RMC12.2K_Bottom_1.0cm_9262

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.533$ S/m; $\epsilon_r = 51.233$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.73, 7.73, 7.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.835 W/kg

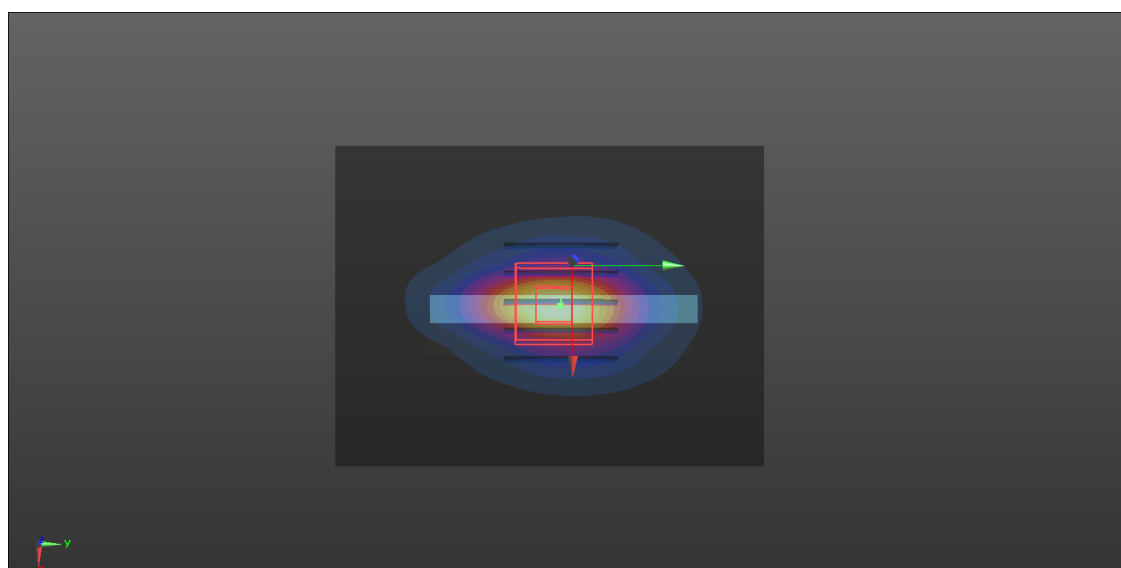
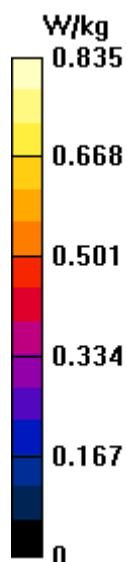
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.54 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.960 W/kg

SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.299 W/kg

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



Test Laboratory: Intertek Service

P27_WCDMA IV_RMC12.2K_Rear Face_1.5cm_1513

Communication System: UID 0, WCDMA IV (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL1750 Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.483$ S/m; $\epsilon_r = 53.118$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8, 8, 8); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.795 W/kg

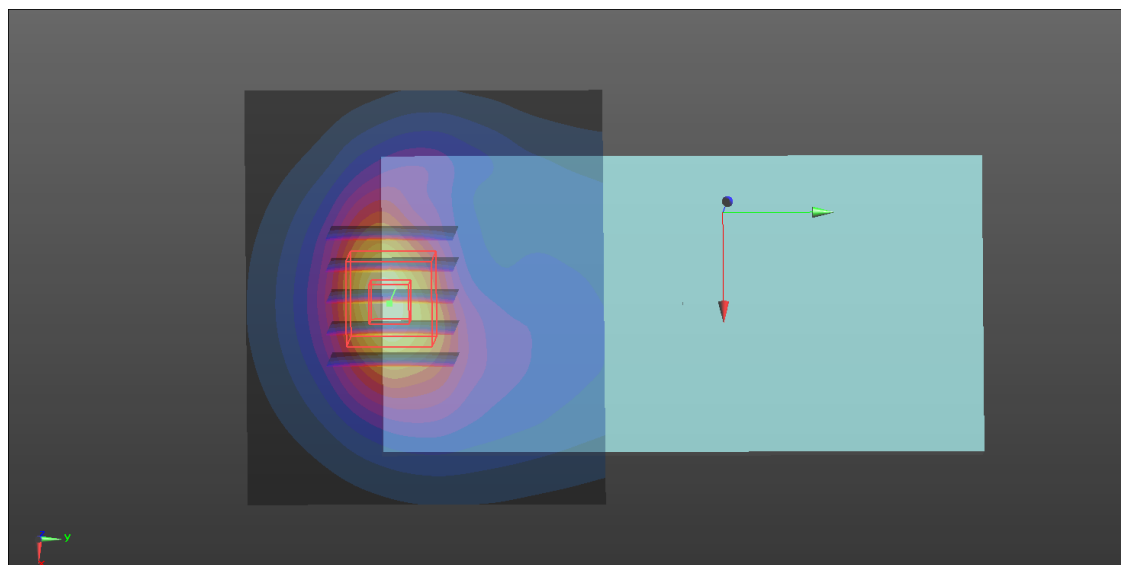
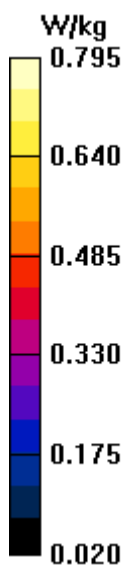
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.276 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.913 W/kg

SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.799 W/kg



Test Laboratory: Intertek Service

P28_WCDMA IV_RMC12.2K_Bottom Side_1.0cm_1513

Communication System: UID 0, WCDMA IV (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL1750 Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.483$ S/m; $\epsilon_r = 53.118$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8, 8, 8); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

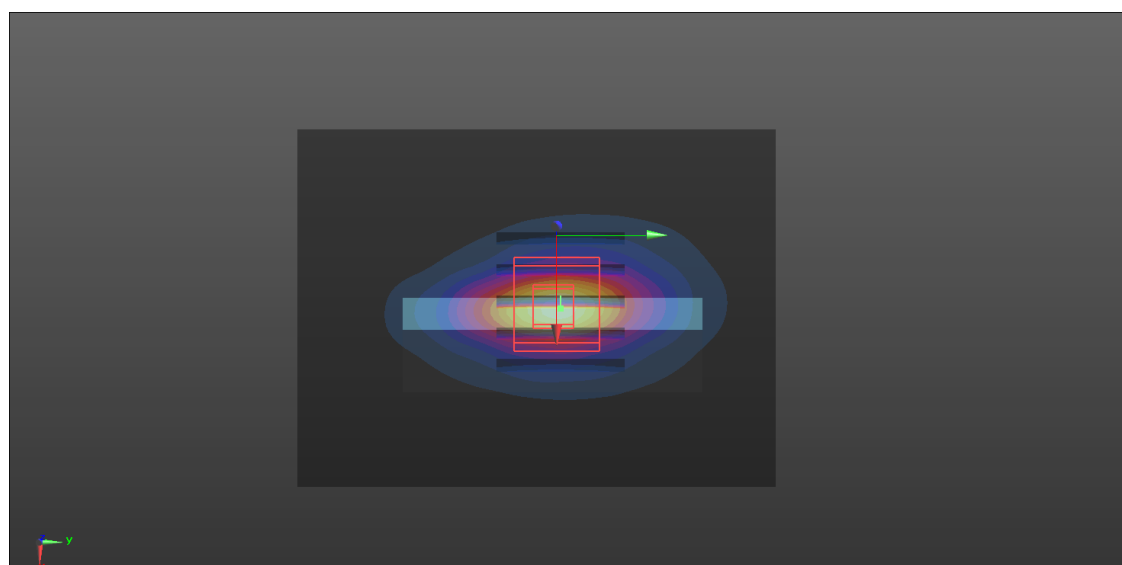
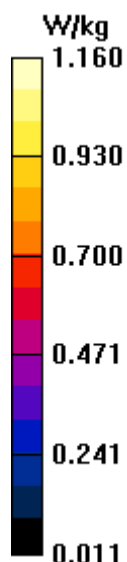
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.02 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.404 W/kg

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



Test Laboratory: Intertek Service

P29_WCDMA V_RMC12.2K_Rear Face_1cm_4233

Communication System: UID 0, WCDMA 850 (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL835 Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.981$ S/m; $\epsilon_r = 53.786$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.68, 9.68, 9.68); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.607 W/kg

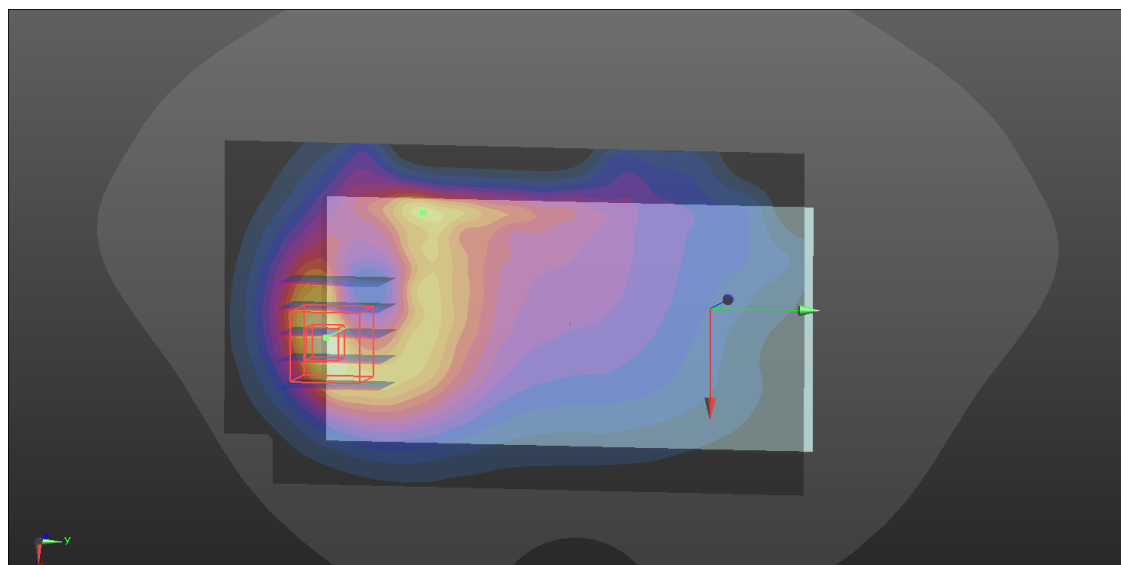
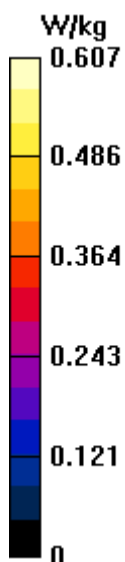
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.05 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.729 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 0.626 W/kg



Test Laboratory: Intertek Service

P30_CDMA BC0_RC3+SO32(FCH)_Rear Face_1cm_777

Communication System: UID 0, CDMA2000 evdo 835 (0); Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL835 Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.984$ S/m; $\epsilon_r = 53.772$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.68, 9.68, 9.68); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.677 W/kg

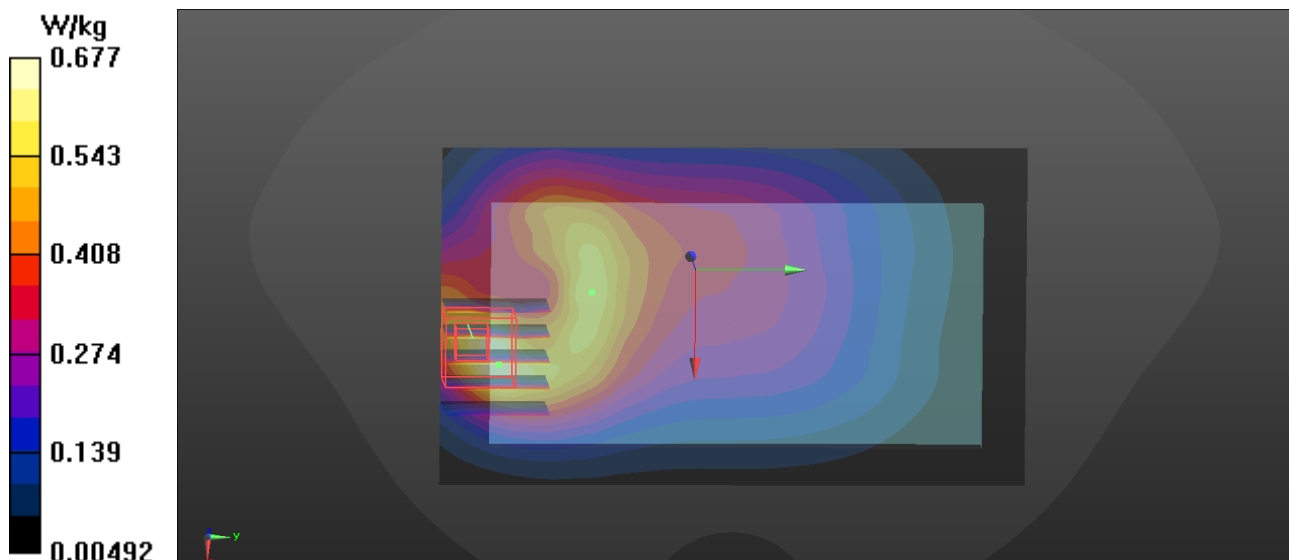
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.00 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.733 W/kg



Test Laboratory: Intertek Service

P31_CDMA BC1_RC3+SO32(FCH)_Front Face_1.5cm_600

Communication System: UID 0, CDMA2000 1x EVDO 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ S/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.73, 7.73, 7.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.992 W/kg

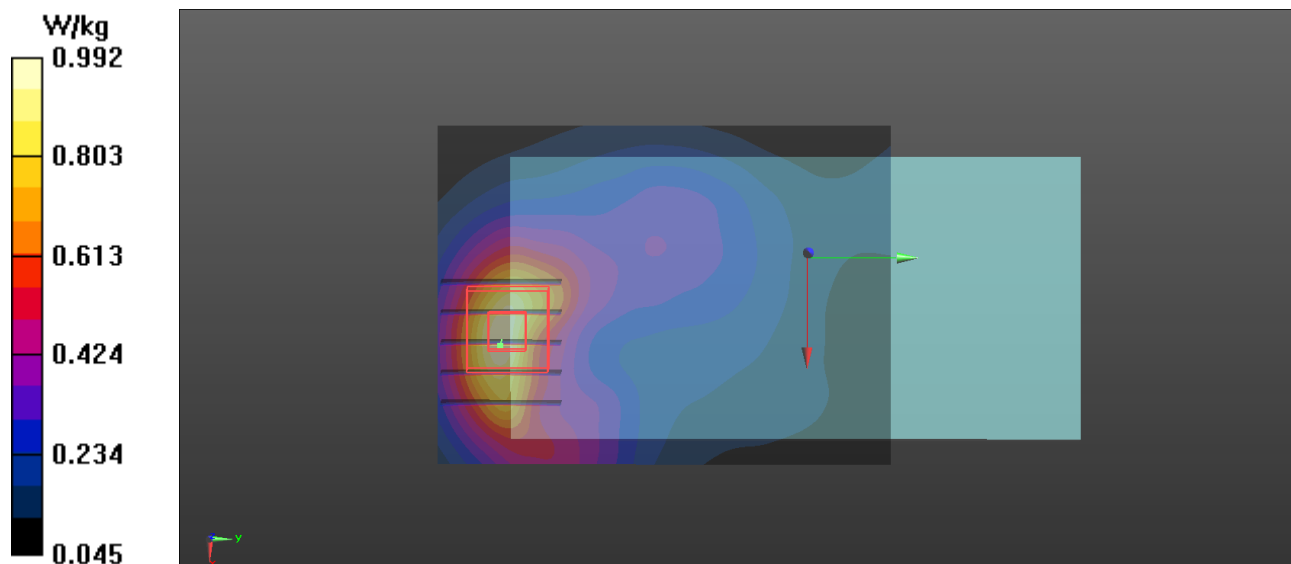
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.06 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.426 W/kg

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



Test Laboratory: Intertek Service

P32_CDMA BC1_RC3+SO32(FCH)_Bottom_2.0cm_1175

Communication System: UID 0, CDMA2000 1x EVDO 1900 (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1
 Medium: MSL1900 Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.597$ S/m; $\epsilon_r = 51.041$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.73, 7.73, 7.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

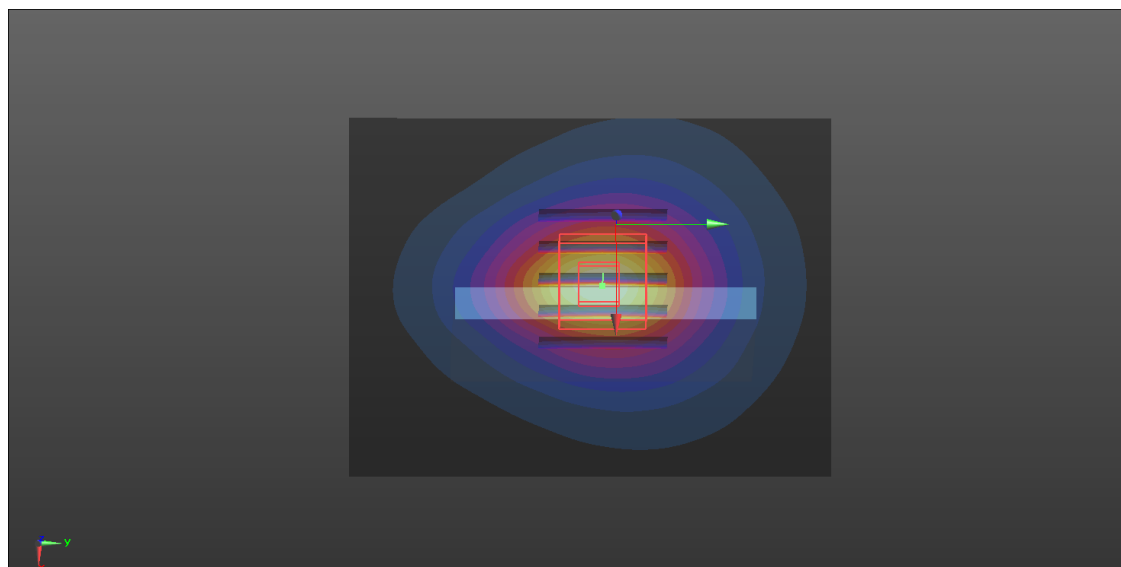
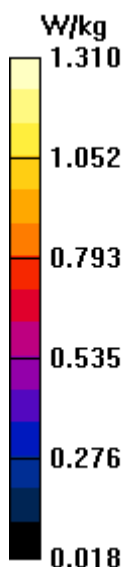
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 28.76 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.545 W/kg

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



Test Laboratory: Intertek Service

P33_CDMA BC10_RC3+SO32(FCH)_Rear Face_1cm_580

Communication System: UID 0, CDMA2000 BC10 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1

Medium: MSL835 Medium parameters used (interpolated): $f = 820.5$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 54.133$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.68, 9.68, 9.68); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.453 W/kg

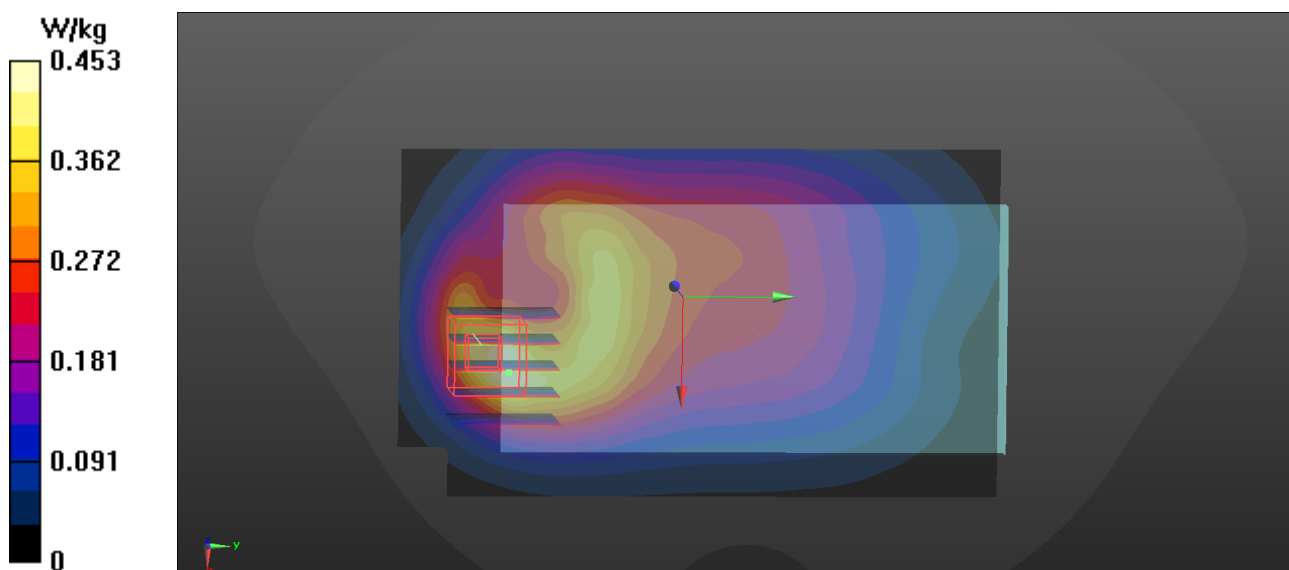
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.558 W/kg

SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.473 W/kg



Test Laboratory: Intertek Service

P34_LTE 4_QPSK20M_Front Face_1.0cm_1RB_0 Offset_20300

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL1750 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.474$ S/m; $\epsilon_r = 53.161$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8, 8, 8); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.711 W/kg

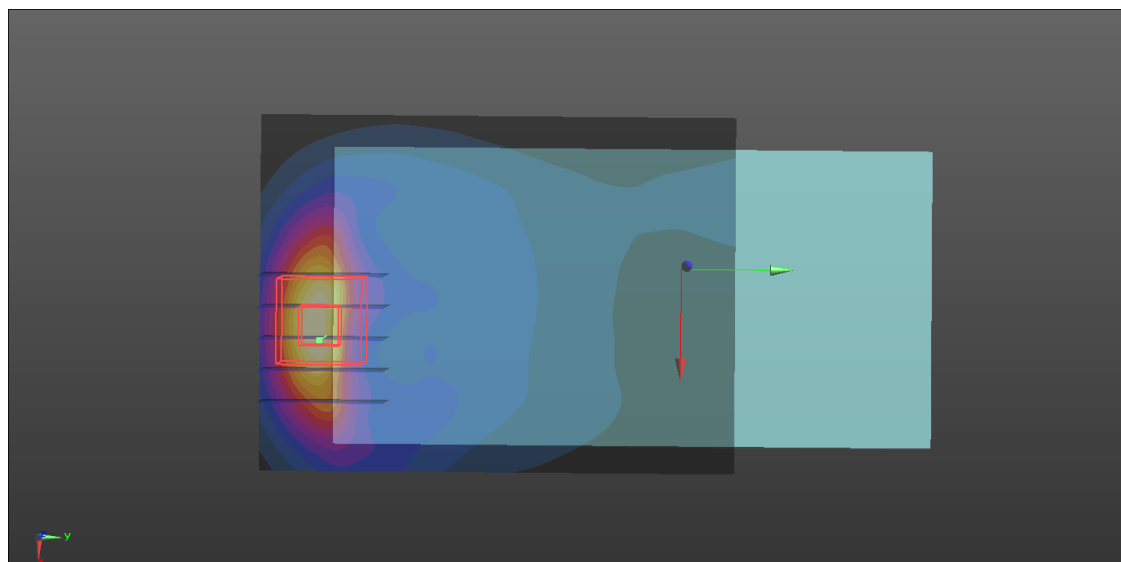
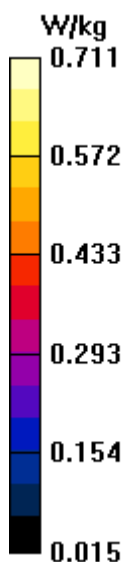
ConZoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.089 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.731 W/kg



Test Laboratory: Intertek Service

P35_LTE 4_QPSK20M_Bottom Side_1.0cm_1RB_0 Offset_20300

Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL1750 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.474$ S/m; $\epsilon_r = 53.161$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(8, 8, 8); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

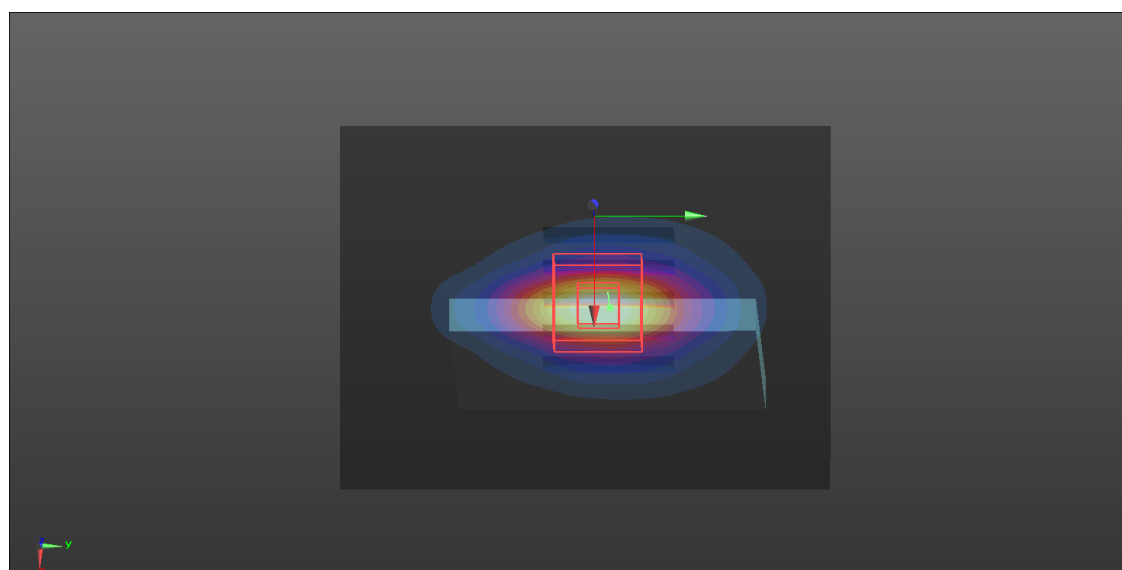
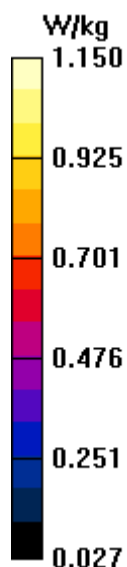
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.00 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.501 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



Test Laboratory: Intertek Service

P36_LTE 7_QPSK20M_Front Face_1.5cm_21350_1 RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL2600 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.083$ S/m; $\epsilon_r = 51.12$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.04, 7.04, 7.04); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$

mm Maximum value of SAR (interpolated) = 0.328 W/kg

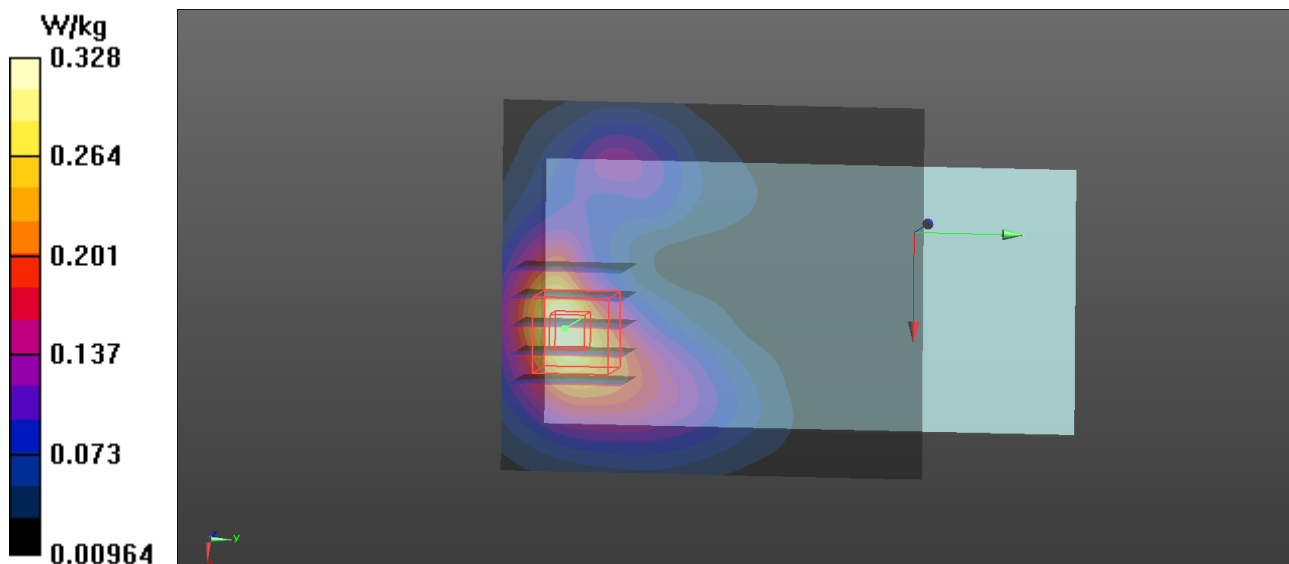
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.330 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.323 W/kg



Test Laboratory: Intertek Service

P37_LTE 7_QPSK20M_Bottom Side_1.0cm_21152_1 RB_99 Offset_UL CA

Communication System: UID 0, Generic LTE (0); Frequency: 2540.2 MHz; Duty Cycle: 1:1

Medium: MSL2600 Medium parameters used (interpolated): $f = 2540.2$ MHz; $\sigma = 2.073$ S/m; $\epsilon_r = 51.27$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.15, 7.15, 7.15); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.966 W/kg

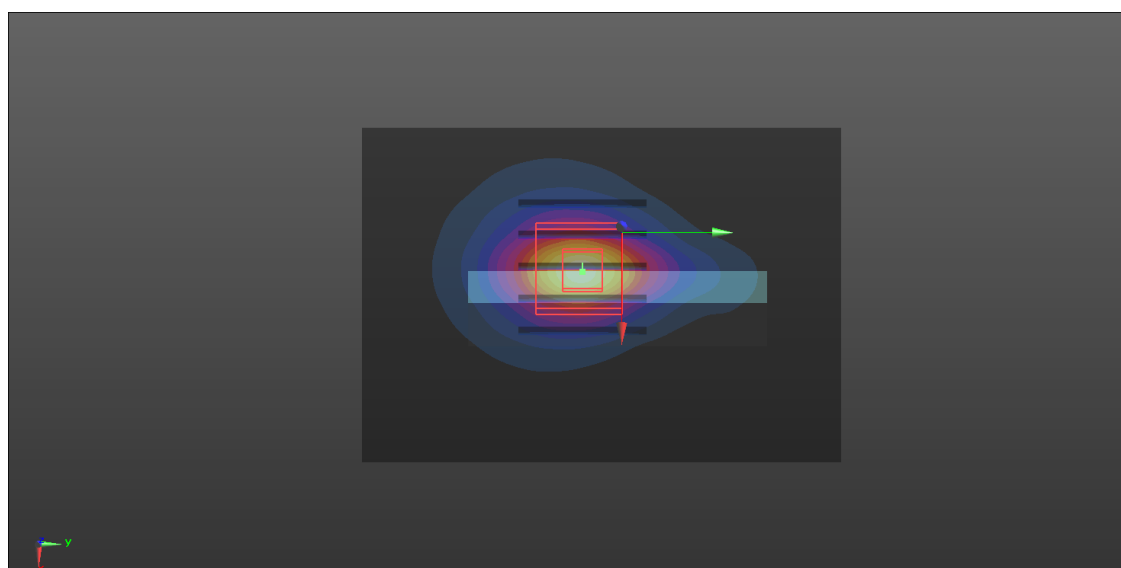
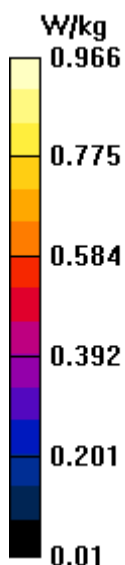
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.98 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.917 W/kg



Test Laboratory: Intertek Service

P38_LTE 12_QPSK10M_Front Face_1.0cm_23095_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL750 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.858$ S/m; $\epsilon_r = 42.446$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.89, 9.89, 9.89); Calibrated: 5/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.408 W/kg

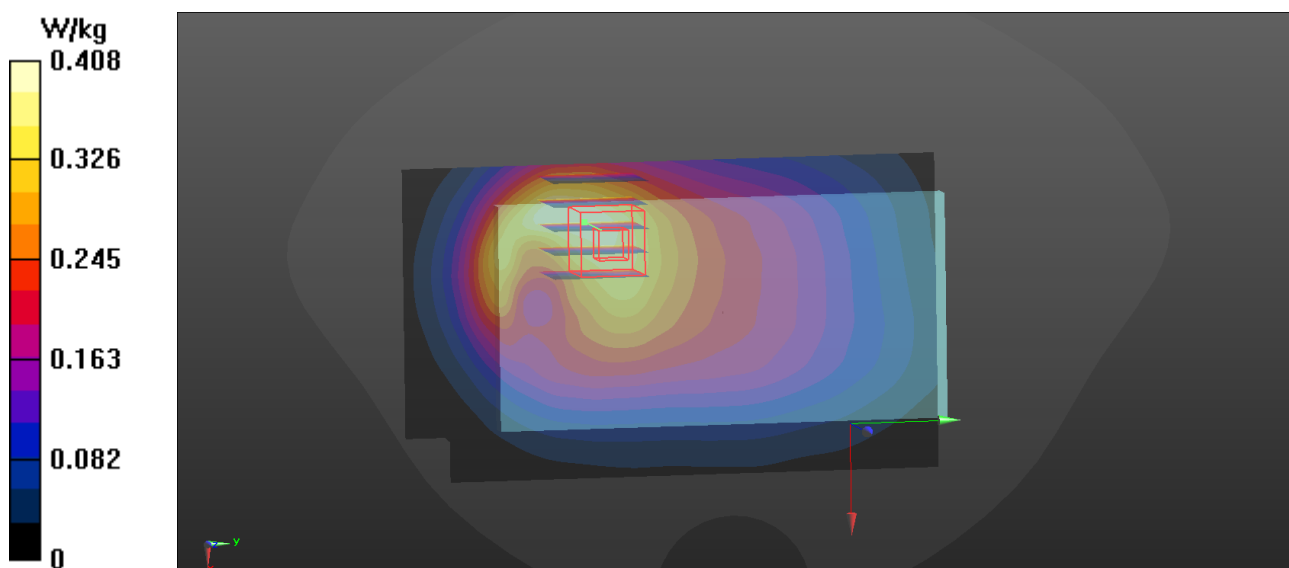
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.04 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.400 W/kg



Test Laboratory: Intertek Service

P39_LTE 13_QPSK10M_Rear Face_1.0cm_23230_1RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL750 Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.926 \text{ S/m}$; $\epsilon_r = 41.412$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.89, 9.89, 9.89); Calibrated: 5/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.232 W/kg

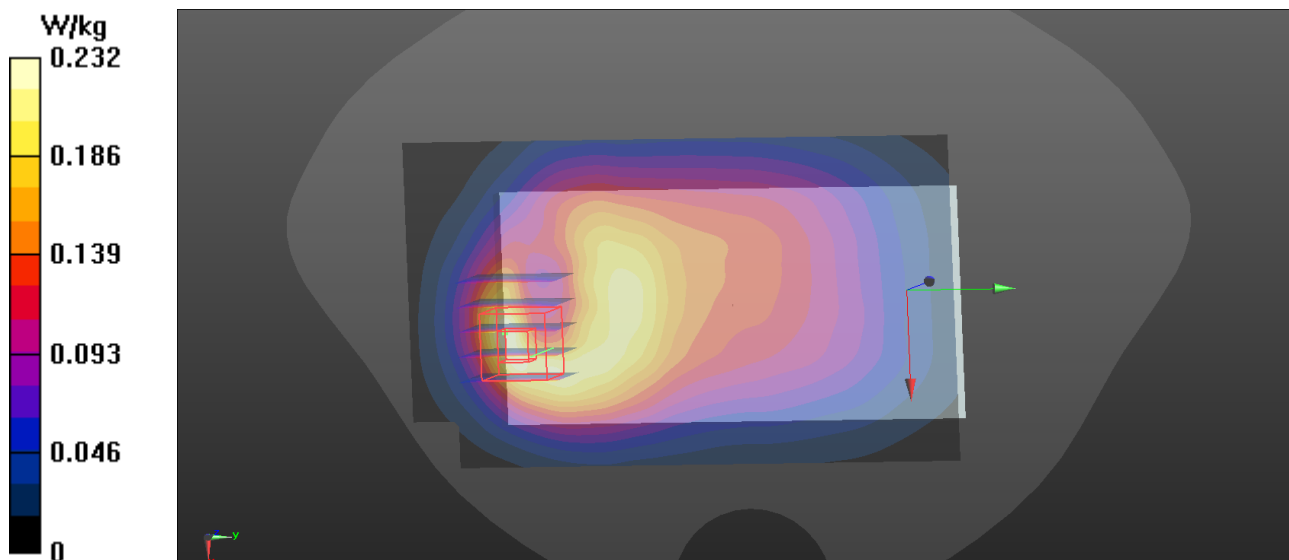
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.17 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.290 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.237 W/kg



Test Laboratory: Intertek Service

P40_LTE 25_QPSK20M_Rear Face_1.5cm_1RB_0 Offset_26590

Communication System: UID 0, Generic LTE (0); Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.585$ S/m; $\epsilon_r = 51.045$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.73, 7.73, 7.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.740 W/kg

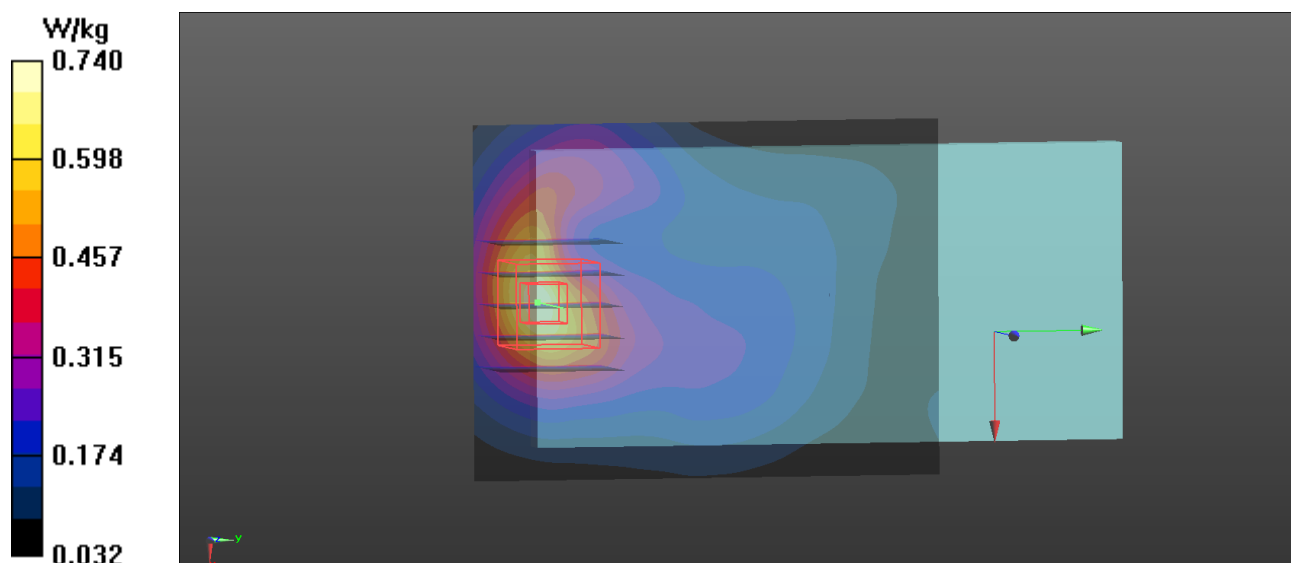
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.852 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.307 W/kg

Maximum value of SAR (measured) = 0.737 W/kg



Test Laboratory: Intertek Service

P41_LTE 25_QPSK20M_Bottom Side_1.0cm_1RB_0 Offset_26590

Communication System: UID 0, Generic LTE (0); Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used (interpolated): $f = 1905 \text{ MHz}$; $\sigma = 1.585 \text{ S/m}$; $\epsilon_r = 51.045$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.73, 7.73, 7.73); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.18 W/kg

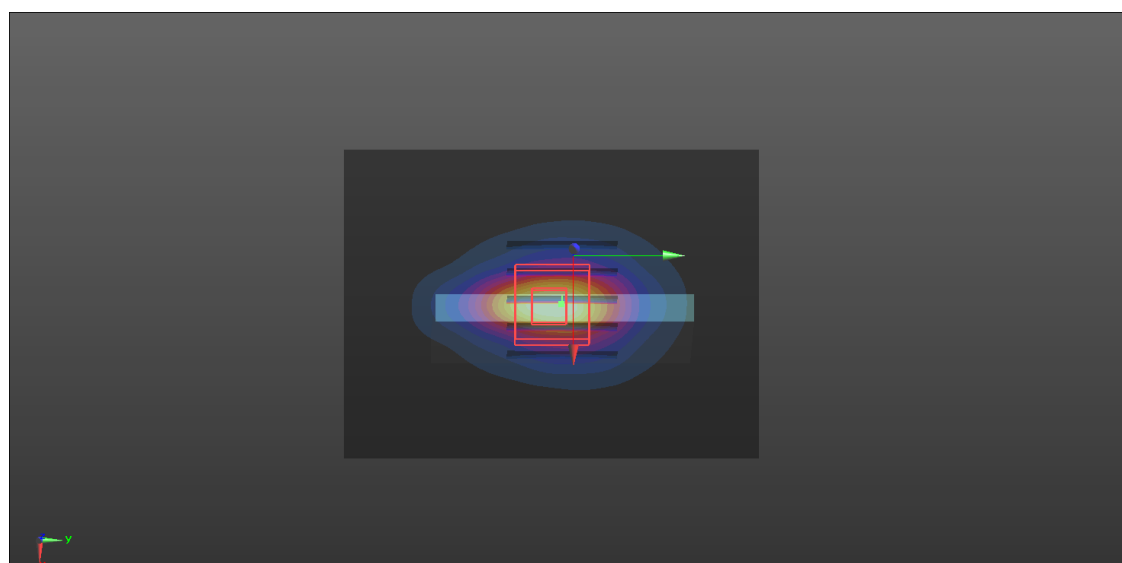
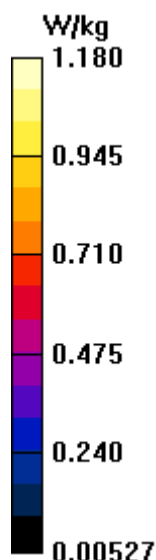
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.73 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.412 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



Test Laboratory: Intertek Service

P42_LTE 26_QPSK15M_Rear Face_1.0cm_26865_1 RB_0 Offset

Communication System: UID 0, Generic LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: MSL835 Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.966$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(9.68, 9.68, 9.68); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 1 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1891
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

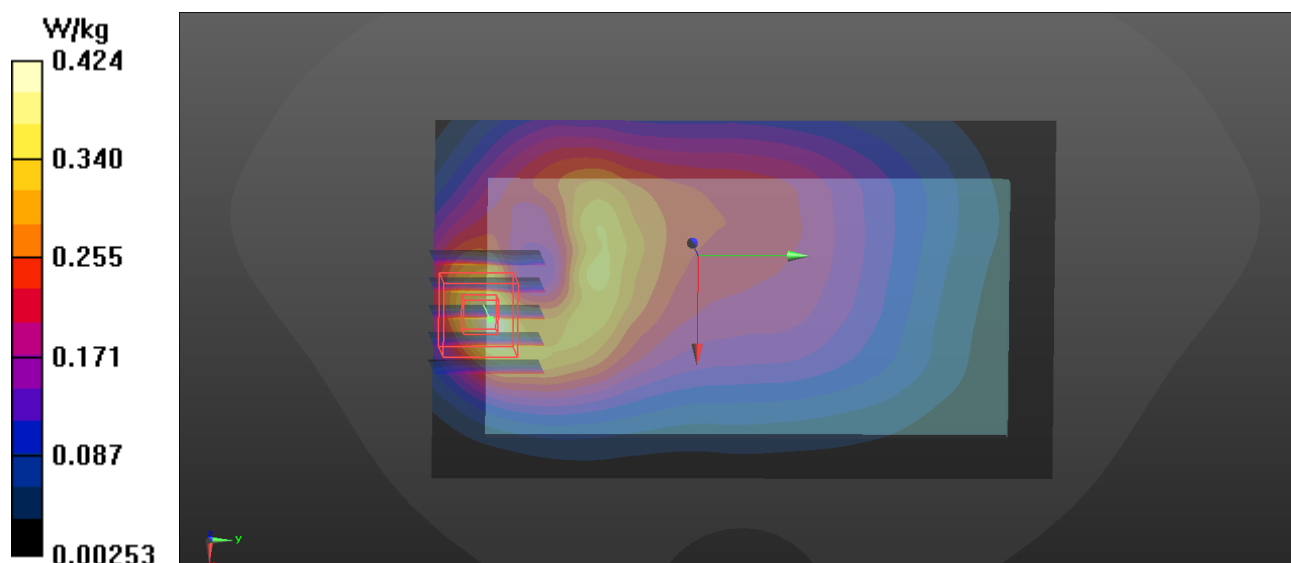
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.72 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.407 W/kg



Test Laboratory: Intertek Service

P43_LTE 30_QPSK10M_Front Face_1.0cm_1RB_0 Offset_27710

Communication System: UID 0, Generic LTE (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: MSL2300 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.817$ S/m; $\epsilon_r = 51.808$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.4, 7.4, 7.4); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.550 W/kg

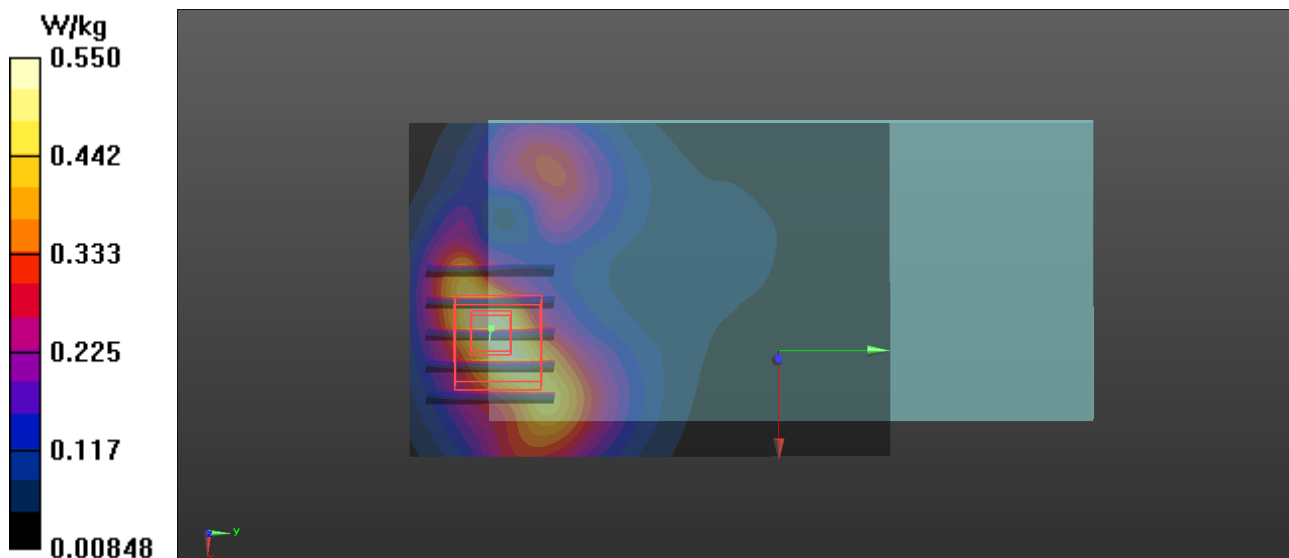
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.395 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.681 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.574 W/kg



Test Laboratory: Intertek Service

P44_LTE 30_QPSK10M_Bottom Side_1.0cm_1RB_0 Offset_27710

Communication System: UID 0, Generic LTE (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: MSL2300 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.817$ S/m; $\epsilon_r = 51.808$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.4, 7.4, 7.4); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

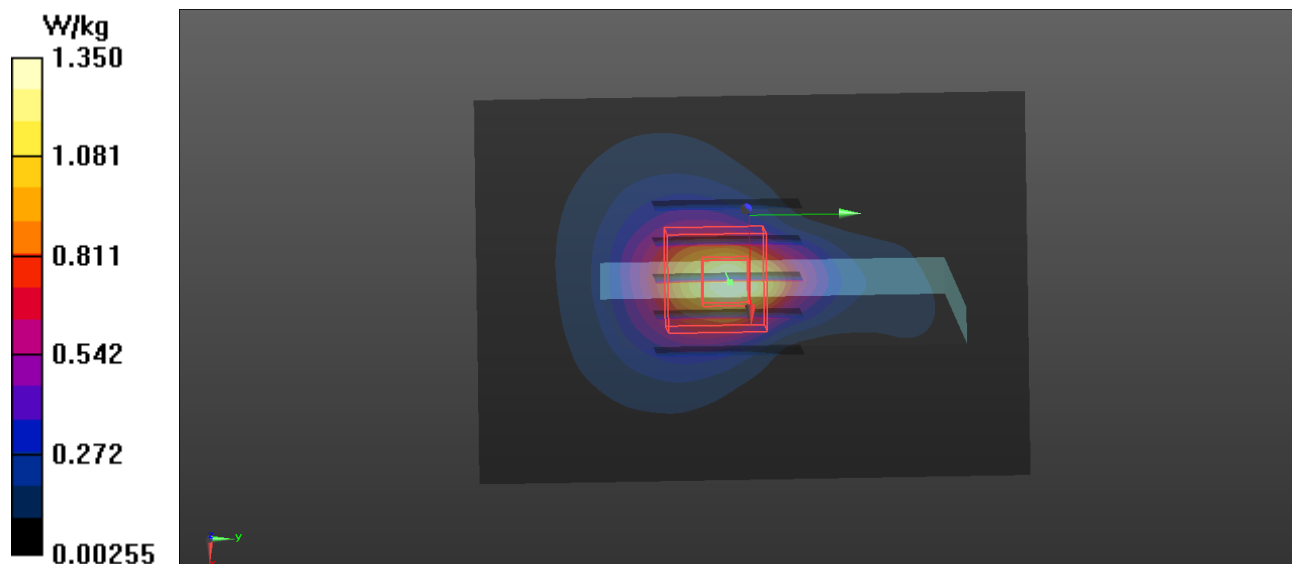
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.93 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.423 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



Test Laboratory: Intertek Service

P45_LTE 38_QPSK20M_Front Face_1.0cm_37850_1 RB_0 Offset

Communication System: UID 0, Generic LTE TDD (0); Frequency: 2580 MHz; Duty Cycle: 1:1.58
 Medium: MSL2600 Medium parameters used: $f = 2580$ MHz; $\sigma = 2.126$ S/m; $\epsilon_r = 51.23$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.04, 7.04, 7.04); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
 Maximum value of SAR (interpolated) = 0.371 W/kg

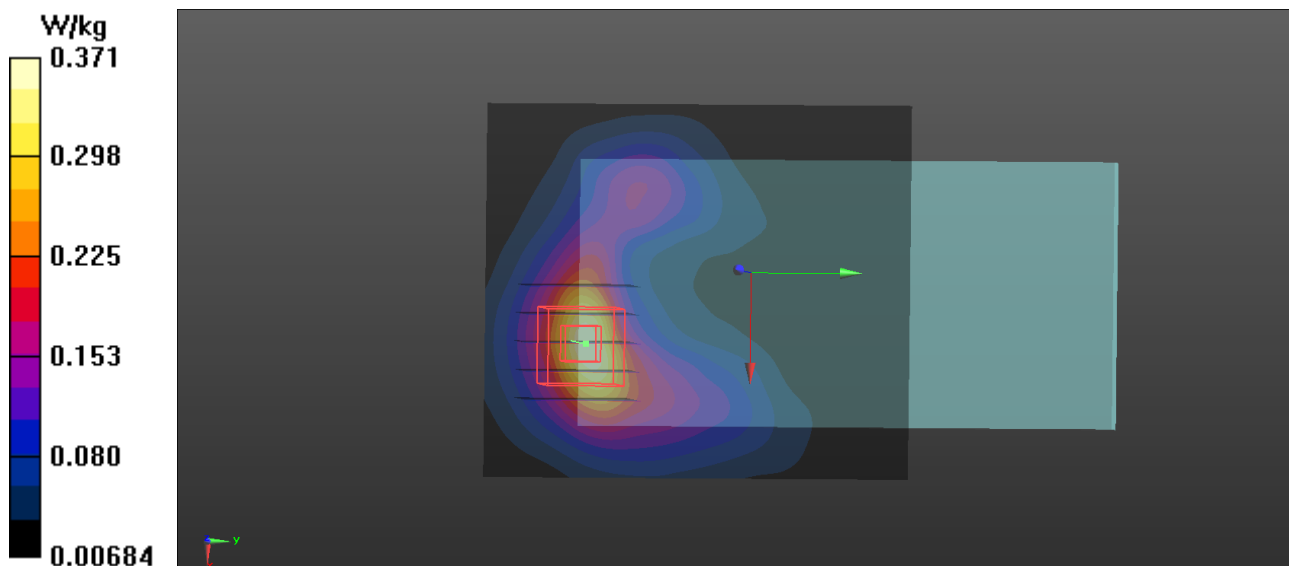
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.557 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.387 W/kg



Test Laboratory: Intertek Service

P46_LTE 38_QPSK20M_Bottom Side_1.0cm_37850_1RB_0 Offset_UL CA

Communication System: UID 0, Generic LTE TDD (0); Frequency: 2580 MHz; Duty Cycle: 1:1.58
 Medium: MSL2600 Medium parameters used: $f = 2580$ MHz; $\sigma = 2.126$ S/m; $\epsilon_r = 51.23$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.04, 7.04, 7.04); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.11 W/kg

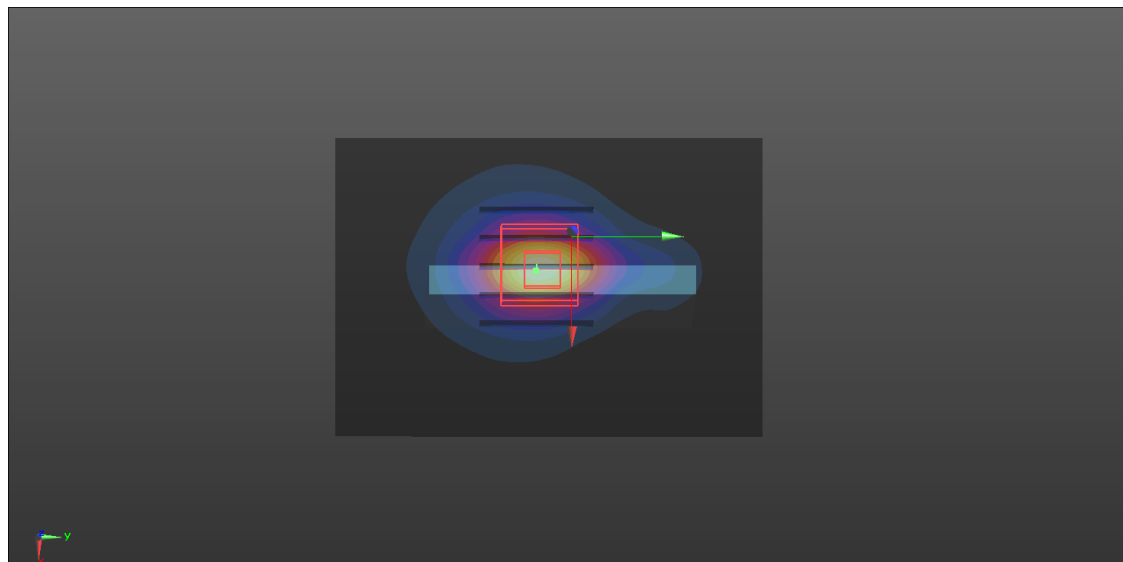
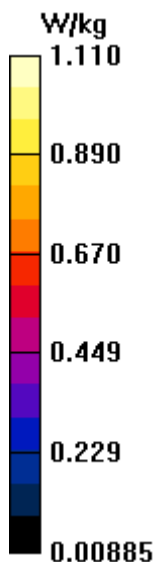
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 22.17 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.332 W/kg

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



Test Laboratory: Intertek Service

P47_LTE 41_QPSK20M_Front Face_1.0cm_41490_1 RB_0 Offset

Communication System: UID 0, Generic LTE TDD (0); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium: MSL2600 Medium parameters used: $f = 2680$ MHz; $\sigma = 2.251$ S/m; $\epsilon_r = 50.713$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.04, 7.04, 7.04); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x131x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$

mm Maximum value of SAR (interpolated) = 0.516 W/kg

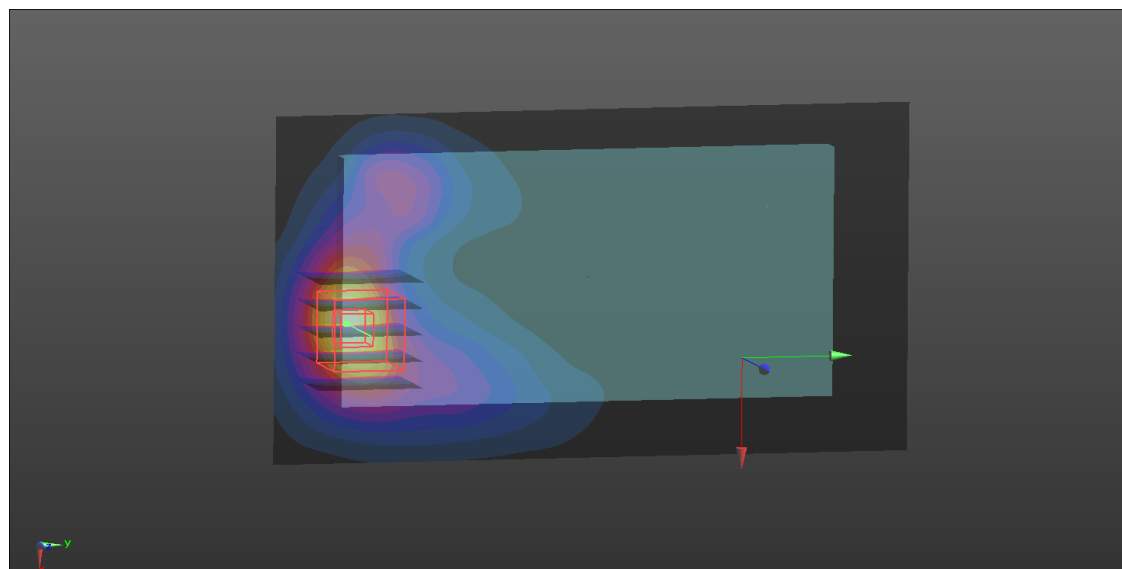
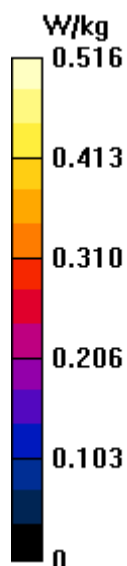
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.570 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.712 W/kg

SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.590 W/kg



Test Laboratory: Intertek Service

P48_LTE 41_QPSK20M_Bottom Side_1.0cm_41490_1 RB_0 Offset

Communication System: UID 0, Generic LTE TDD (0); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium: MSL2600 Medium parameters used: $f = 2680$ MHz; $\sigma = 2.251$ S/m; $\epsilon_r = 50.713$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.04, 7.04, 7.04); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200

mm Maximum value of SAR (interpolated) = 1.28 W/kg

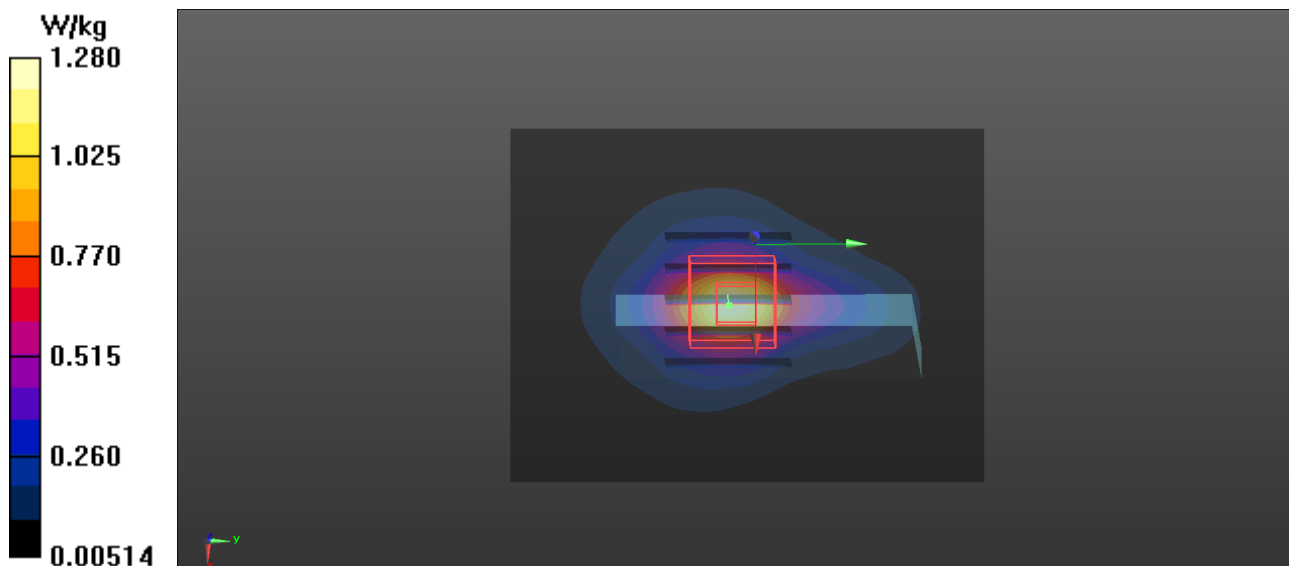
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.79 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.376 W/kg

Maximum value of SAR (measured) = 1.25 W/kg



Test Laboratory: Intertek Service

P49_802.11g_Rear Face_1.0cm_11_Ant 1+2

Communication System: UID 0, WiFi 802.11 g (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.048$ S/m; $\epsilon_r = 50.622$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.15, 7.15, 7.15); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.309 W/kg

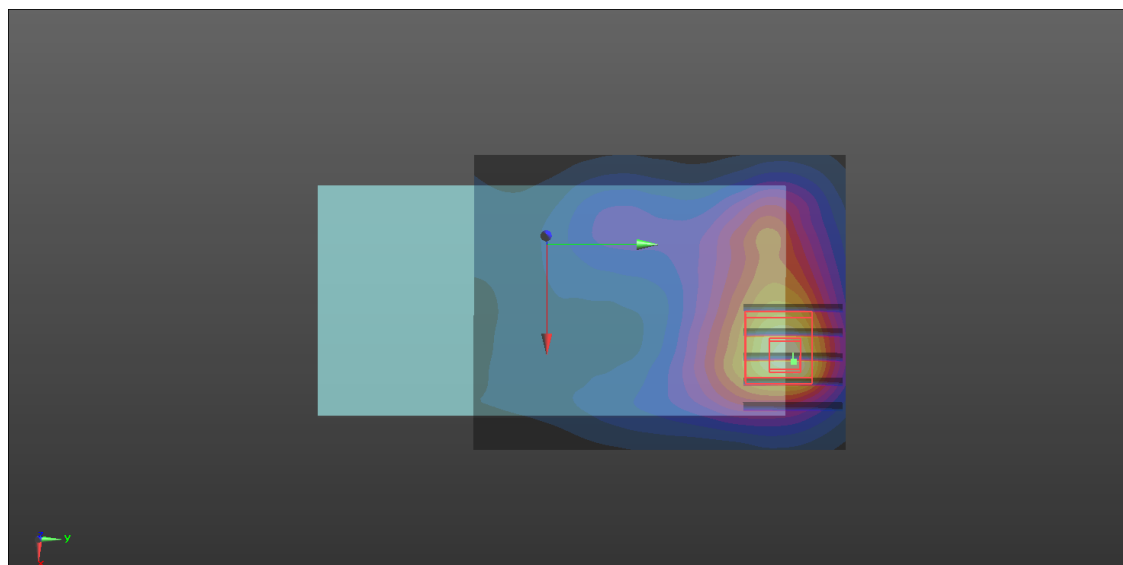
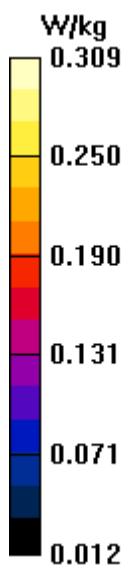
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.907 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.313 W/kg



Test Laboratory: Intertek Service

P 50_802.11g_Top Side_1.0cm_11_Ant 1

Communication System: UID 0, WiFi 802.11 g (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.048$ S/m;
 $\epsilon_r = 50.622$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(7.15, 7.15, 7.15); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 15.38 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.157 W/kg

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

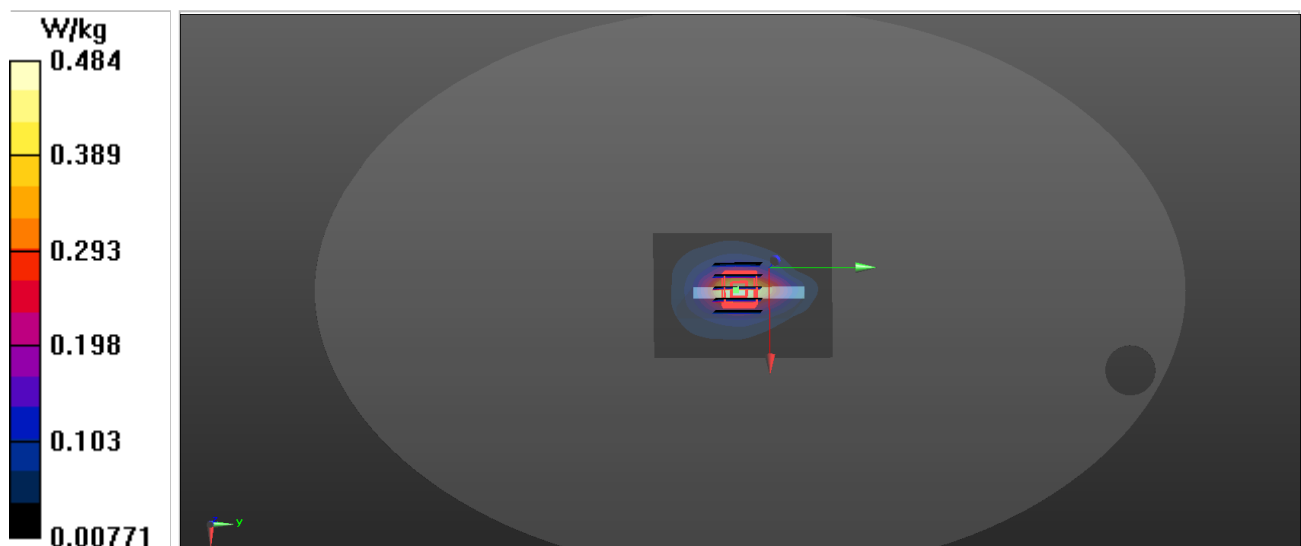
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.38 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.578 W/kg

SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.484 W/kg



Test Laboratory: Intertek Service

P51_802.11a_Rear Face_1.0cm_48_Ant 1

Communication System: UID 0, 802.11a (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: MSL 5GHz Medium parameters used: $f = 5240$ MHz; $\sigma = 5.42$ S/m; $\epsilon_r = 47.29$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.72, 4.72, 4.72); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (121x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.649 W/kg

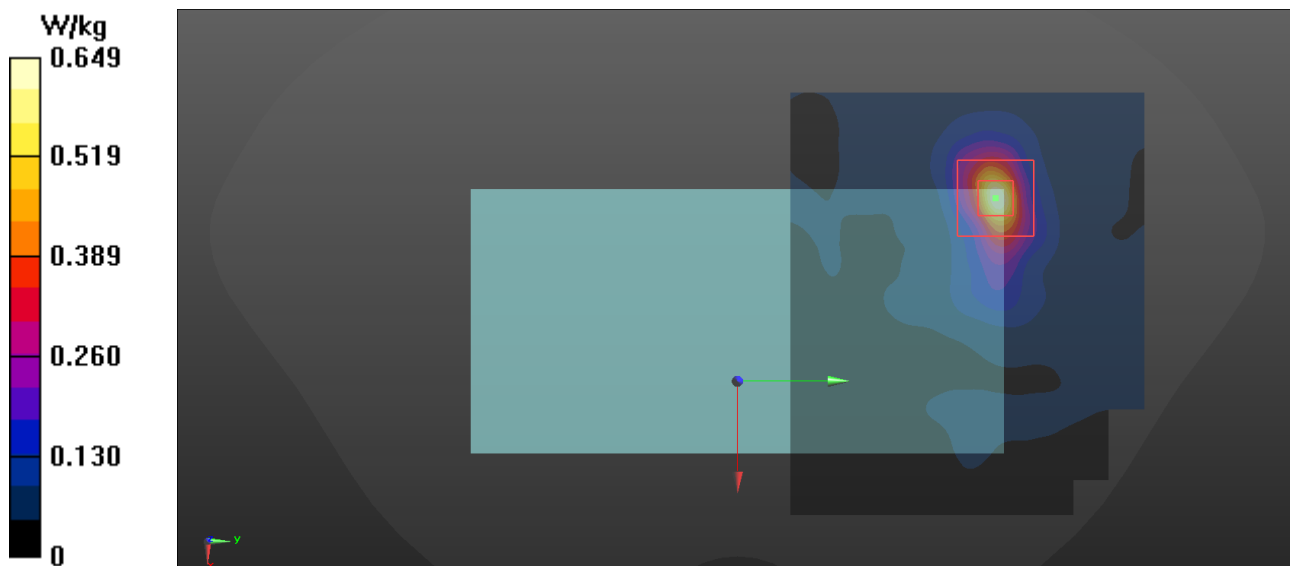
Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 1.559 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.633 W/kg



Test Laboratory: Intertek Service

P52_802.11a_Rear Face_1.0cm_52_Ant 1+2

Communication System: UID 0, 802.11a (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL 5GHz Medium parameters used: $f = 5260$ MHz; $\sigma = 5.46$ S/m; $\epsilon_r = 47.42$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.72, 4.72, 4.72); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (121x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.772 W/kg

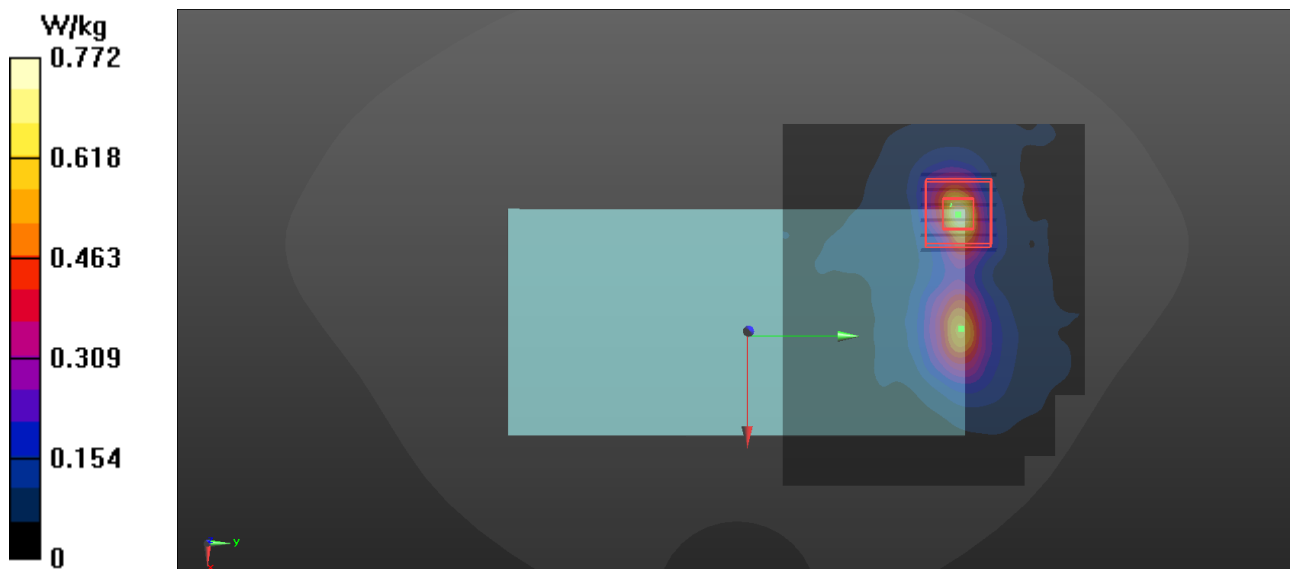
Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 1.224 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.756 W/kg



Test Laboratory: Intertek Service

P53_802.11a_Rear Face_1.0cm_100_Ant 1+2

Communication System: UID 0, 802.11a (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL 5GHz Medium parameters used: $f = 5500$ MHz; $\sigma = 5.68$ S/m; $\epsilon_r = 46.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.06, 4.06, 4.06); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (121x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.683 W/kg

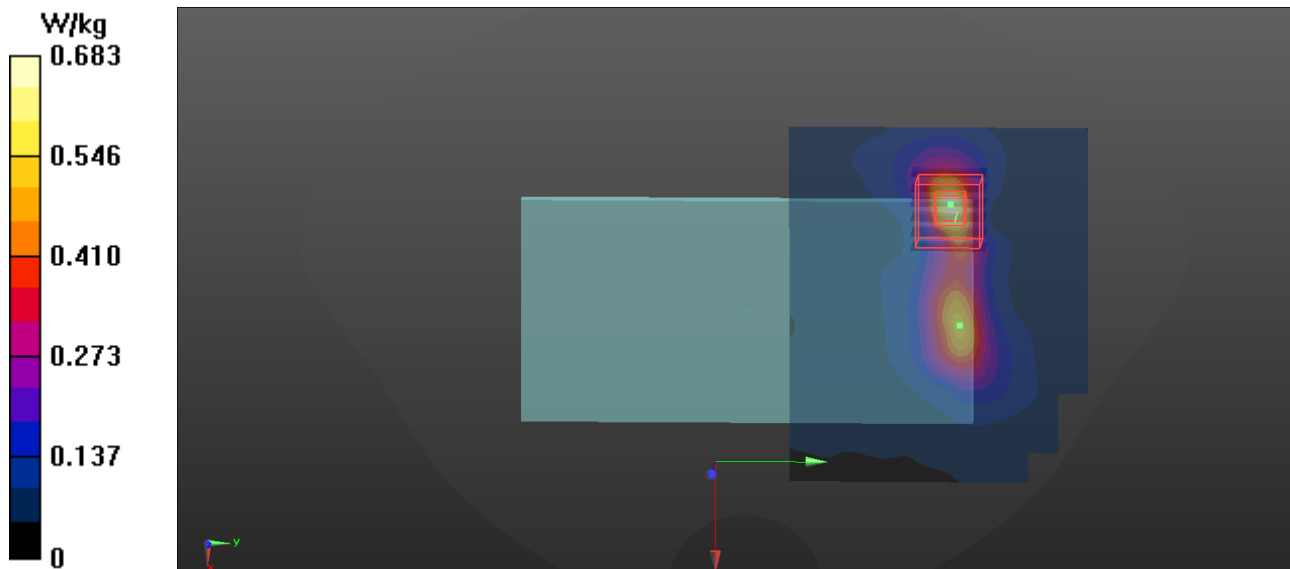
Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 2.414 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.711 W/kg



Test Laboratory: Intertek Service

P54_802.11a_Rear Face_1.0cm_157_Ant 1

Communication System: UID 0, 802.11a (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: MSL 5GHz Medium parameters used: $f = 5785$ MHz; $\sigma = 6.01$ S/m; $\epsilon_r = 46.3$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.27, 4.27, 4.27); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (101x111x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.484 W/kg

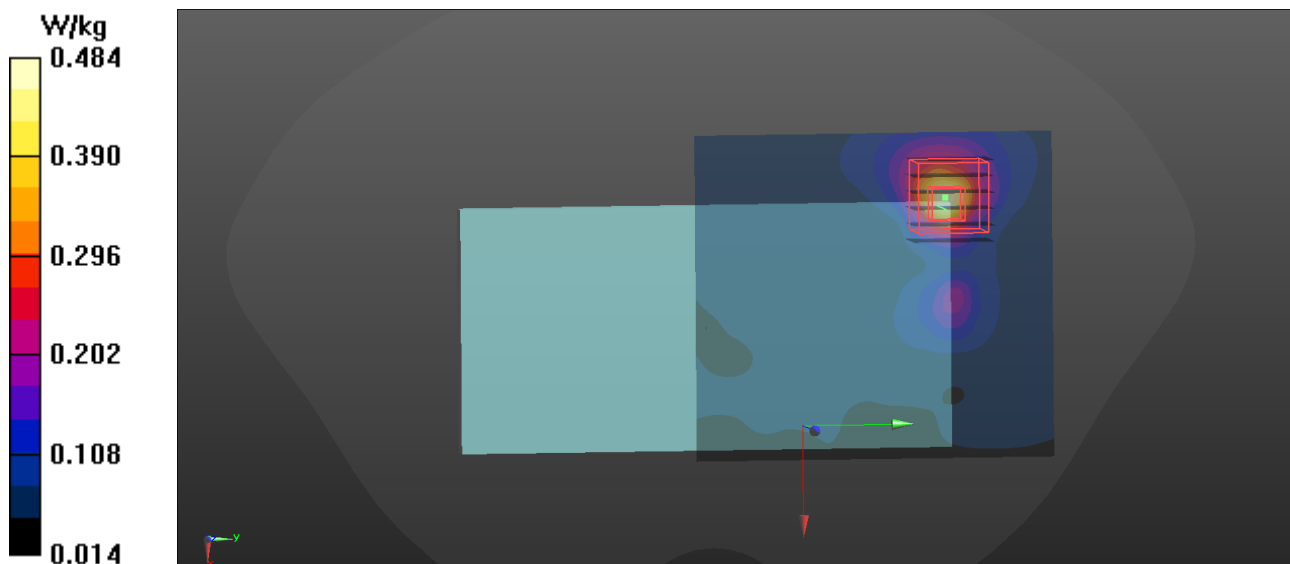
Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 1.779 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.808 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.451 W/kg



Test Laboratory: Intertek Service

P55_802.11a_Rear Face_0cm_60_Ant 1

Communication System: UID 0, 802.11a (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL 5GHz Medium parameters used: $f = 5300$ MHz; $\sigma = 5.42$ S/m; $\epsilon_r = 47.33$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.72, 4.72, 4.72); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 14.1 W/kg

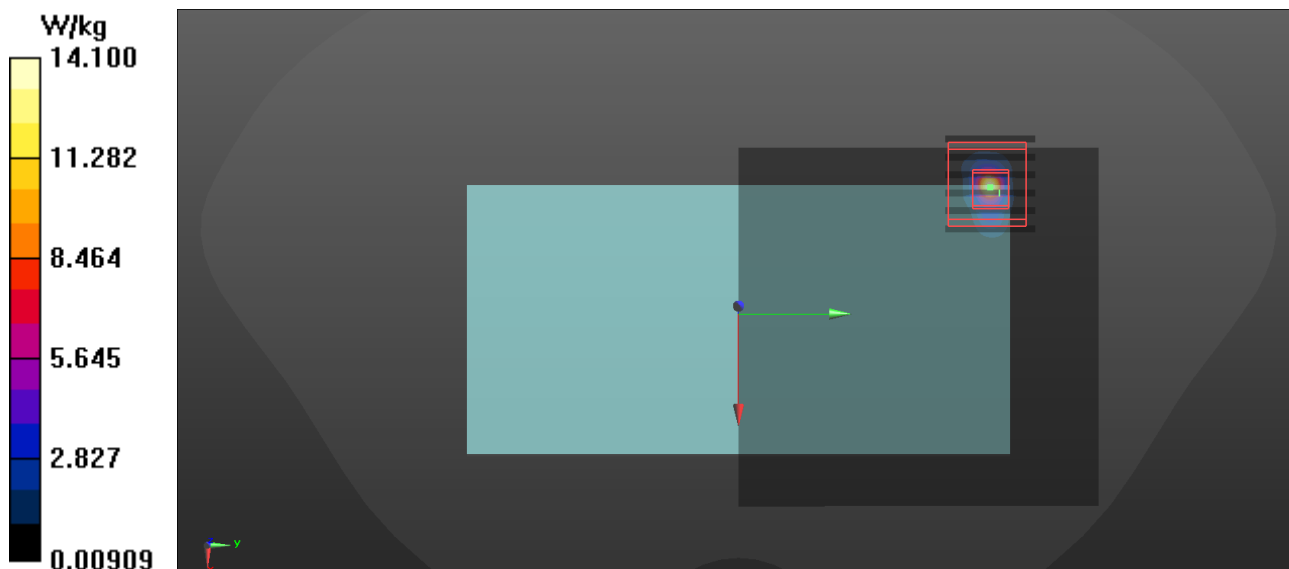
Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 1.388 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 3.92 W/kg; SAR(10 g) = 0.677 W/kg

Maximum value of SAR (measured) = 10.3 W/kg



Test Laboratory: Intertek Service

P56_802.11a_Rear Face_0cm_100_Ant 1+2

Communication System: UID 0, 802.11a (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL 5GHz Medium parameters used: $f = 5500$ MHz; $\sigma = 5.68$ S/m; $\epsilon_r = 46.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0 °C; Liquid Temperature: 21.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7322; ConvF(4.06, 4.06, 4.06); Calibrated: 6/29/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1473; Calibrated: 6/23/2017
- Phantom: SAM 2 V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1888
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 34.7 W/kg

Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 1.386 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 83.1 W/kg

SAR(1 g) = 8.94 W/kg; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 26.9 W/kg

