

GSM 850_Baseline LAT

Frequency: 836.6 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpo_Baseline LATed): $f = 836.6$ MHz; $\sigma = 1.013$ S/m; $\epsilon_r = 54.288$; $\rho = 1000$ kg/m
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/5/2015
- Probe: EX3DV4 - SN7335; ConvF(9.51, 9.51, 9.51); Calibrated: 3/13/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: SM 000 T01 DA; Serial: TP:1247

Edge 4 Baseline/GPRS 2 slots_ch 190/Area Scan (6x8x1):

Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.502 W/kg

Edge 4 Baseline/GPRS 2 slots_ch 190/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

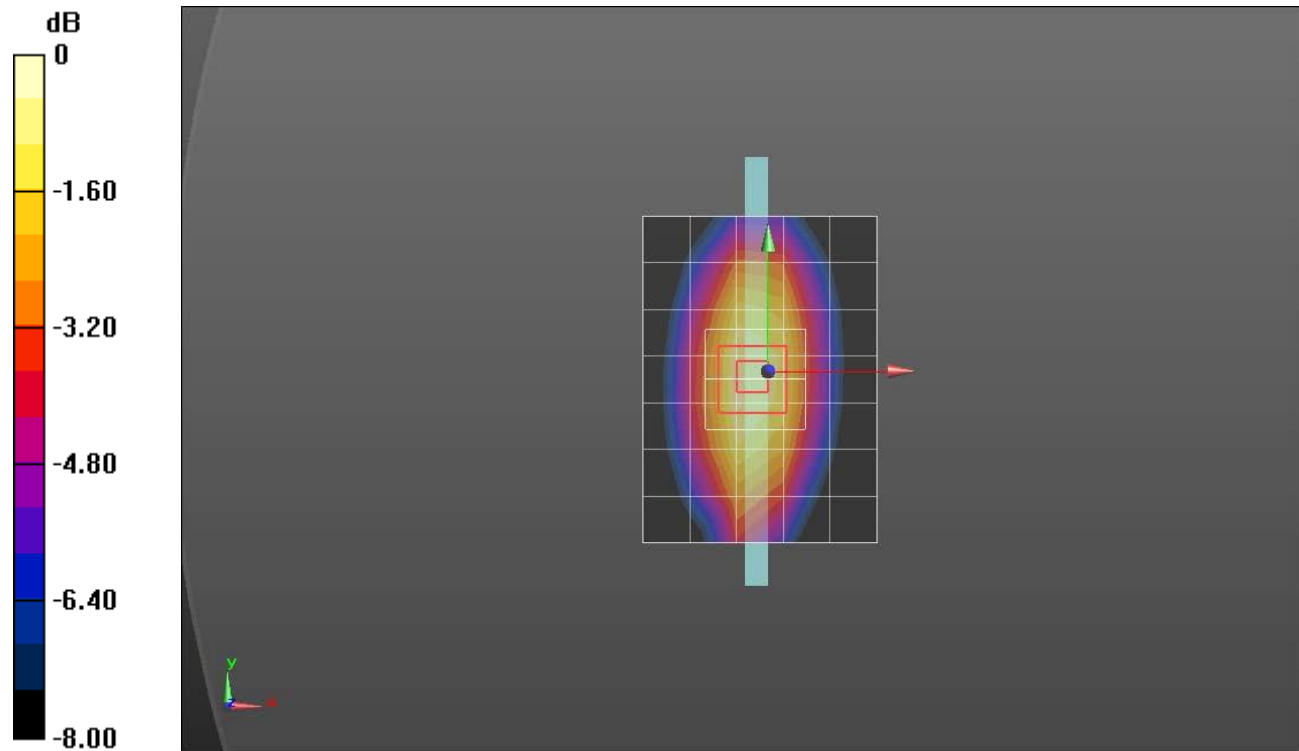
Reference Value = 22.752 V/m; Power Drift = -0.06 dB

Peak SAR (extrapo_Baseline LATed) = 0.667 W/kg

SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.303 W/kg

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

Maximum value of SAR (measured) = 0.555 W/kg



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

Test Laboratory: UL Verification Services Inc., SAR Lab D

Date: 6/23/2014

GSM850_LAT

Frequency: 836.6 MHz; Duty Cycle: 1:4; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.003$ S/m; $\epsilon_r = 55.516$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1433; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3989; ConvF(9.96, 9.96, 9.96); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QDOVA002AA; Serial: TPxxxx

Edge 4/GPRS 2 slots_ch 190/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

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

Edge 4/GPRS 2 slots_ch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

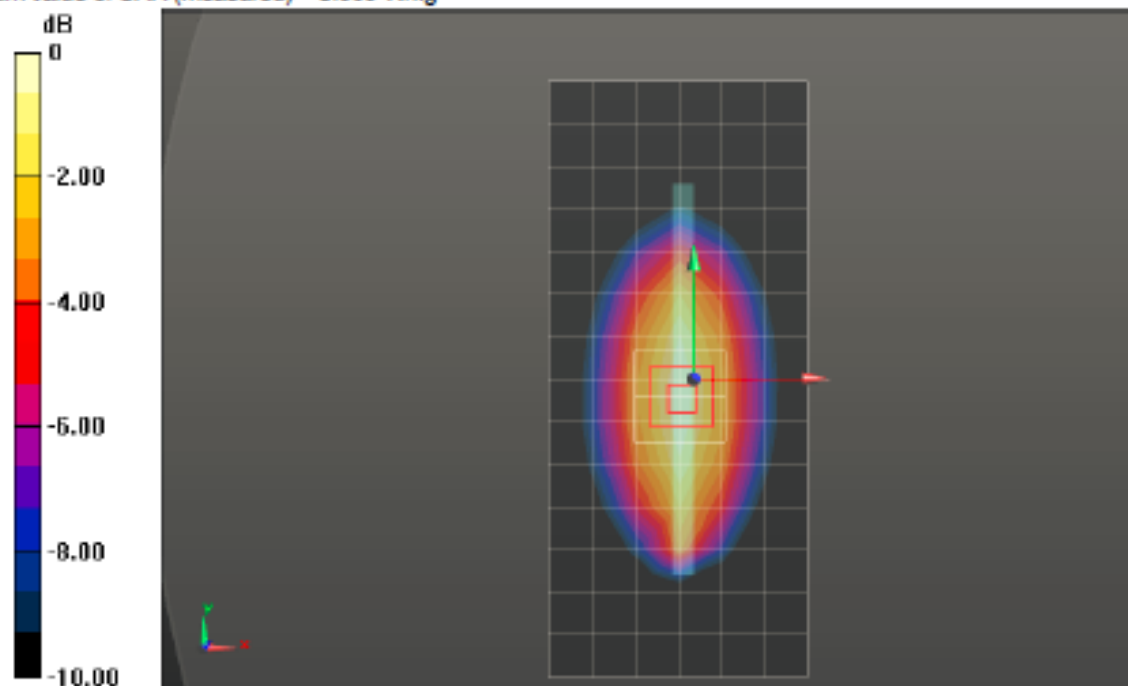
Reference Value = 24.071 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.309 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

Plot No. 3

GSM 1900_Baseline UAT

Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 38.806$; $\rho = 1000$ kg/m

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 7/30/2015
- Probe: EX3DV4 - SN3772; ConvF(7.45, 7.45, 7.45); Calibrated: 2/23/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

RHS/Touch_EGPRS 2 slots_ch 810/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.855 W/kg

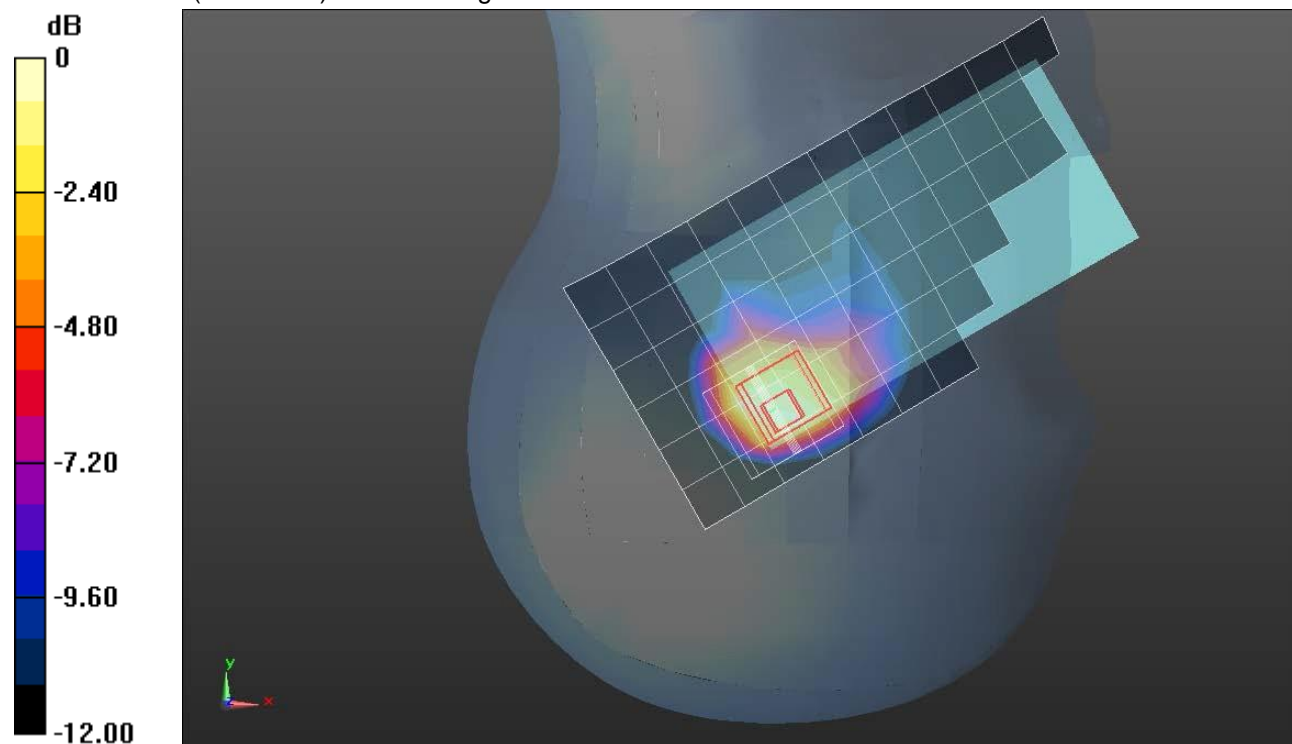
RHS/Touch_EGPRS 2 slots_ch 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.700 V/m; Power Drift = 0.09 dB

Peak SAR (extrapo_Baseline LATed) = 1.54 W/kg

SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.407 W/kg

Maximum value of SAR (measured) = 0.985 W/kg



0 dB = 0.985 W/kg = -0.07 dBW/kg

Test Laboratory: UL Verification Services Inc. SAR Lab H

Date: 7/18/2014

GSM1900_UAT

Frequency: 1909.8 MHz; Duty Cycle: 1:4; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 40.052$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg

- Electronics: DAE4 Sn1258; Calibrated: 5/15/2014

- Probe: EX3DV4 - SN3686; ConvF(7.52, 7.52, 7.52); Calibrated: 3/18/2014;

- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1830

RHS/Touch_EGPRS_2 Slots_ch 810/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.15 W/kg

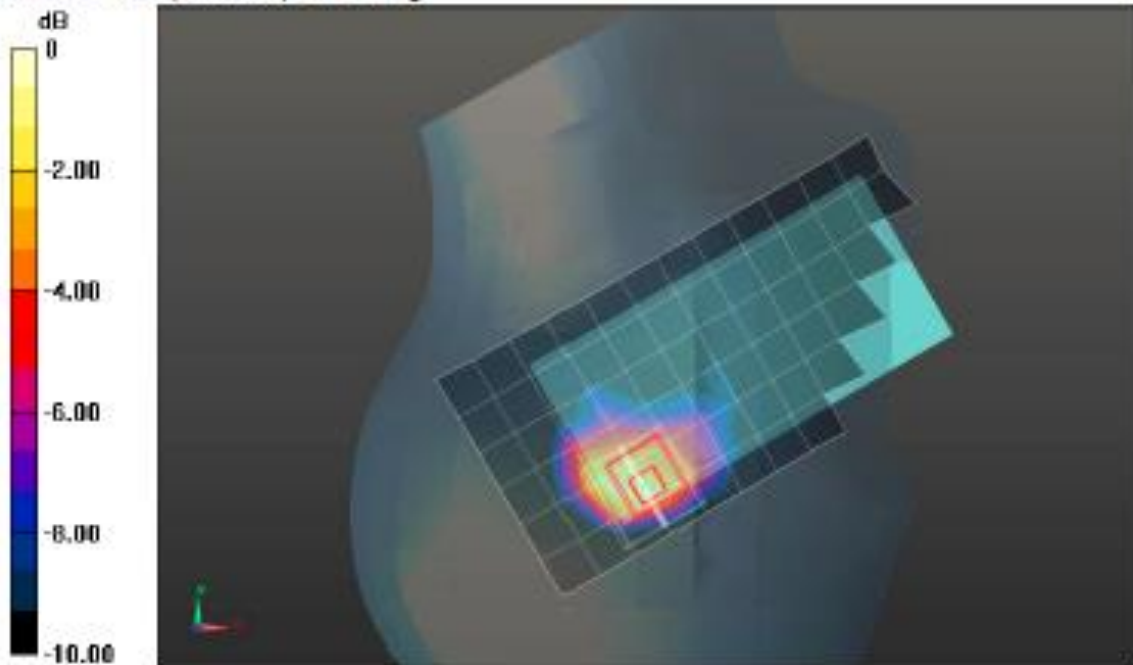
RHS/Touch_EGPRS_2 Slots_ch 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.822 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.471 W/kg

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



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

Plot No. 4

W-CDMA Band V_Baseline_UAT

Frequency: 846.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.954$ S/m; $\epsilon_r = 41.752$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/18/2015
- Probe: EX3DV4 - SN3929; ConvF(8.67, 8.67, 8.67); Calibrated: 4/22/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

LHS Baseline/Rel. 99 12.2 kbps Channel 4233/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.824 W/kg

LHS Baseline/Rel. 99 12.2 kbps Channel 4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

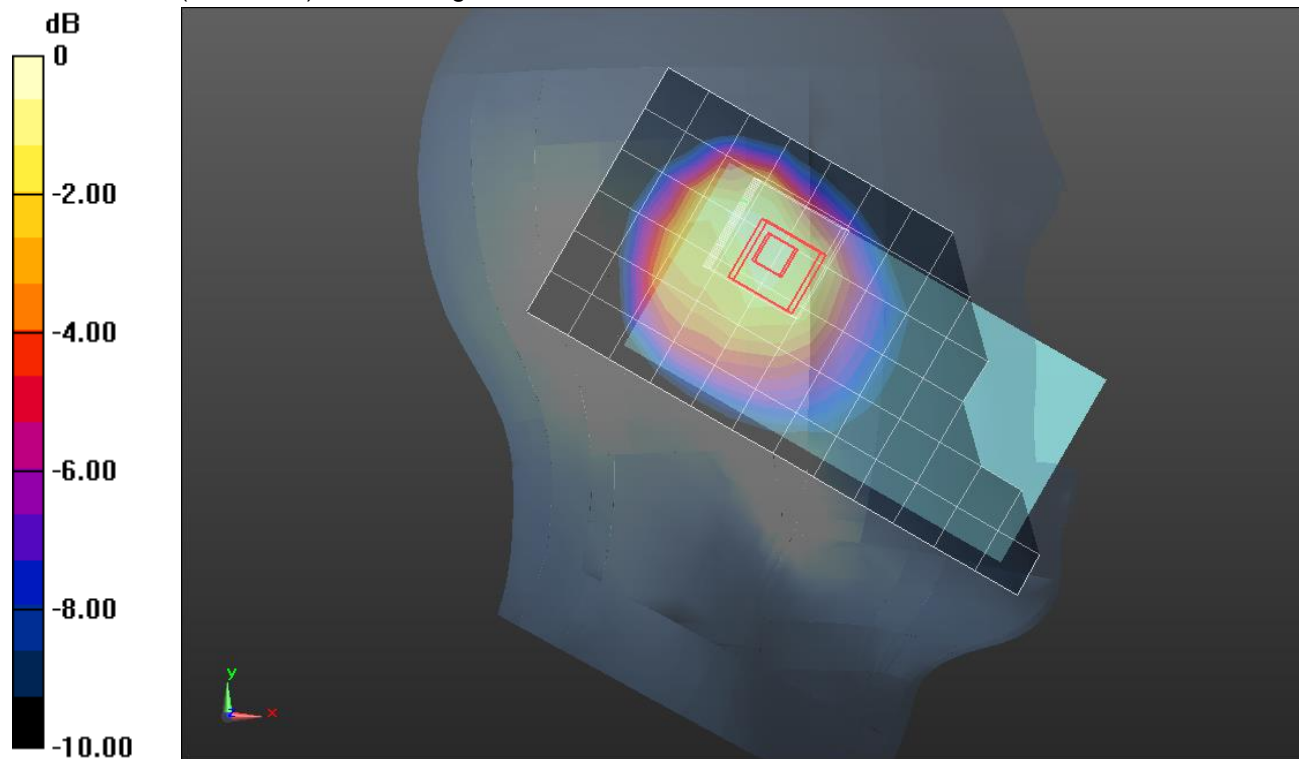
Reference Value = 30.044 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.521 W/kg

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

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



Test Laboratory: UL Verification Services Inc., SAR Lab D

Date: 7/2/2014

W-CDMA Band V_UAT

Frequency: 846.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.895$ S/m; $s_r = 41.173$; $p = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1433; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

LHS/Touch_Rel. 99_RMC_ch 4233/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.883 W/kg

LHS/Touch_Rel. 99_RMC_ch 4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

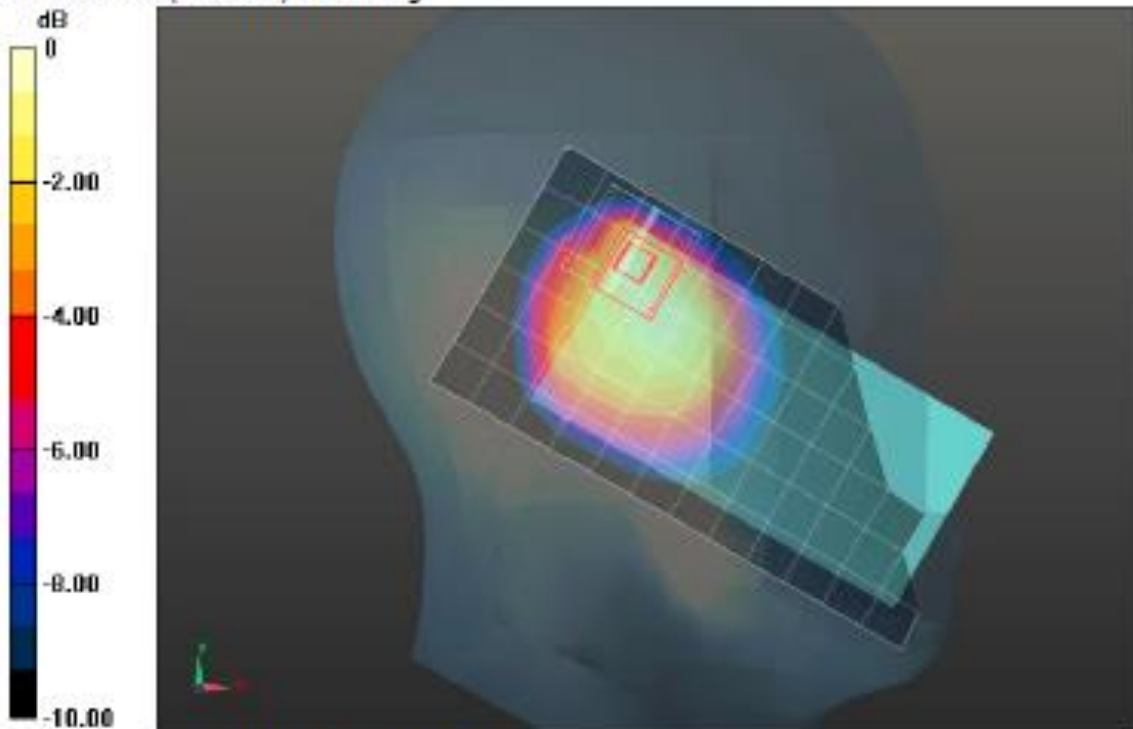
Reference Value = 32.125 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.766 W/kg; SAR(10 g) = 0.496 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

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



0 dB = 1.09 W/kg = 0.37 dBW/kg

Plot No. 7

W-CDMA Band IV_Baseline LAT

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpo_Baseline LATed): $f = 1732.6$ MHz; $\sigma = 1.347$ S/m; $\epsilon_r = 41.26$; $\rho = 1000$ kg/m³
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1433; Calibrated: 3/12/2015
- Probe: EX3DV4 - SN3991; ConvF(8.55, 8.55, 8.55); Calibrated: 5/19/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 A; Type: QD000P40CD; Serial: 1831

RHS/Touch_Rel.99 RMC_ch 1413/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.702 W/kg

RHS/Touch_Rel.99 RMC_ch 1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

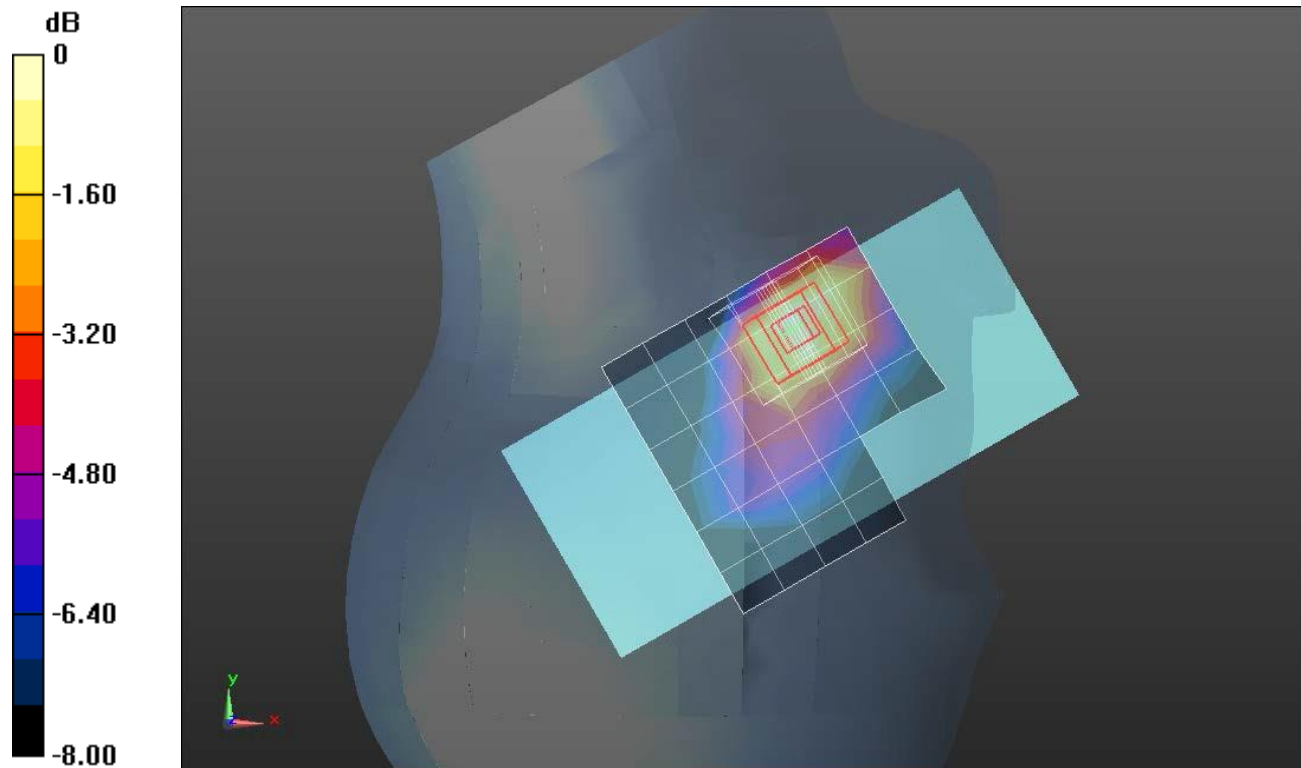
Reference Value = 23.437 V/m; Power Drift = -0.07 dB

Peak SAR (extrapo_Baseline LATed) = 0.900 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.395 W/kg

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

Maximum value of SAR (measured) = 0.744 W/kg



0 dB = 0.744 W/kg = -1.28 dBW/kg

Test Laboratory: UL Verification Services Inc. SAR Lab G

Date: 6/23/2014

W-CDMA Band IV_LAT

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (Interpolated): $f = 1732.6$ MHz; $\sigma = 1.31$ S/m; $\epsilon_r = 38.484$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(8.58, 8.58, 8.58); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM A; Type: SAM; Serial: 1831

RHS/Touch_Rel. 99_RMC_ch 1413/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.791 W/kg

RHS/Touch_Rel. 99_RMC_ch 1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

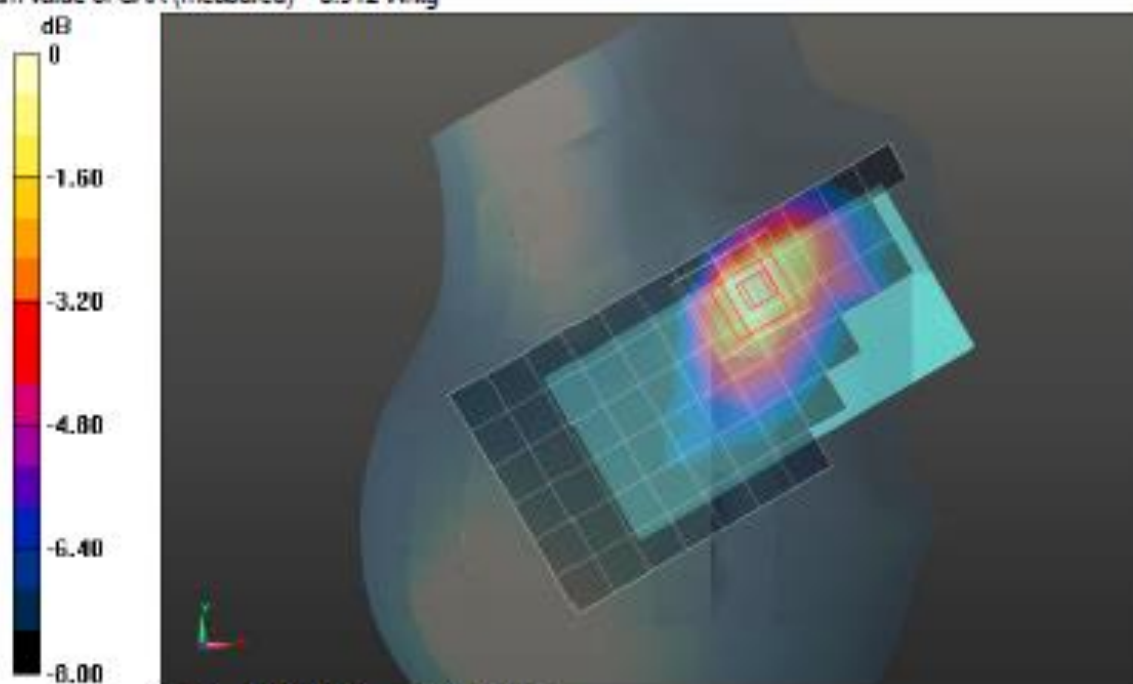
Reference Value = 24.919 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.485 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.912 W/kg



0 dB = 0.912 W/kg = -0.40 dBW/kg

Plot No. 10

CDMA BC10_Baseline LAT

Frequency: 820.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpo_Baseline LATed): $f = 820.5$ MHz; $\sigma = 0.998$ S/m; $\epsilon_r = 53.093$; $\rho = 1000$ kg/m³
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/18/2015
- Probe: EX3DV4 - SN3929; ConvF(8.57, 8.57, 8.57); Calibrated: 4/22/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Front/CDMA_1xRTT SO32_ch 580/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.630 W/kg

Front/CDMA_1xRTT SO32_ch 580/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

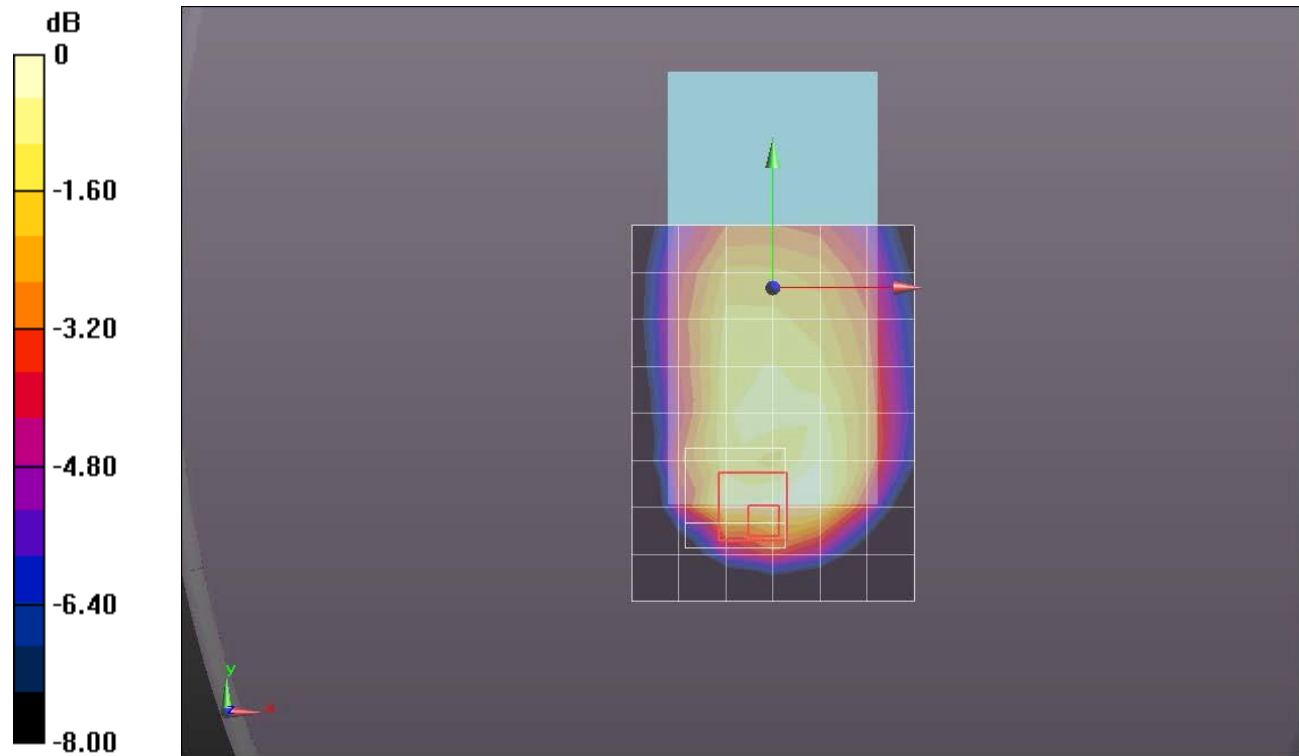
Reference Value = 25.665 V/m; Power Drift = -0.03 dB

Peak SAR (extrapo_Baseline LATed) = 0.900 W/kg

SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.297 W/kg

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

Maximum value of SAR (measured) = 0.679 W/kg



0 dB = 0.679 W/kg = -1.68 dBW/kg

Test Laboratory: UL Verification Services Inc., SAR Lab D

Date: 7/1/2014

CDMA BC10_LAT

Frequency: 820.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (Interpolated): $f = 820.5$ MHz; $\sigma = 0.988$ S/m; $\epsilon_r = 55.177$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg

- Electronics: DAE4 Sn1433; Calibrated: 4/14/2014

- Probe: EX3DV4 - SN3989; ConvF(9.96, 9.96, 9.96); Calibrated: 4/15/2014;

- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Phantom: ELI A v5.0; Type: QDOVA002AA; Serial: TPxxxx

Front/1xRTT_RC3 SO32_ch 580/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

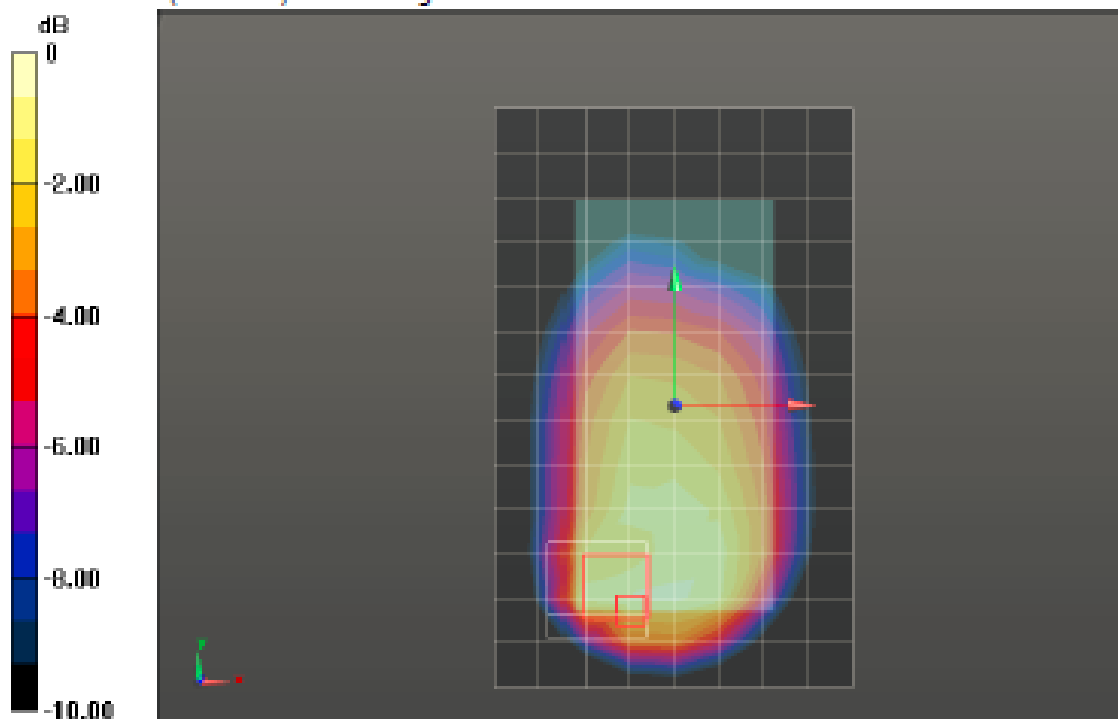
Front/1xRTT_RC3 SO32_ch 580/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.333 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.363 W/kg

Maximum value of SAR (measured) = 0.858 W/kg



0 dB = 0.858 W/kg = -0.67 dBW/kg

Plot No. 22

LTE Band 13_Baseline_UAT

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 40.327$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 7/30/2015
- Probe: EX3DV4 - SN3772; ConvF(8.92, 8.92, 8.92); Calibrated: 2/23/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

LHS/Touch_QPSK_RB 1/24_ch 23230/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.525 W/kg

LHS/Touch_QPSK_RB 1/24_ch 23230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

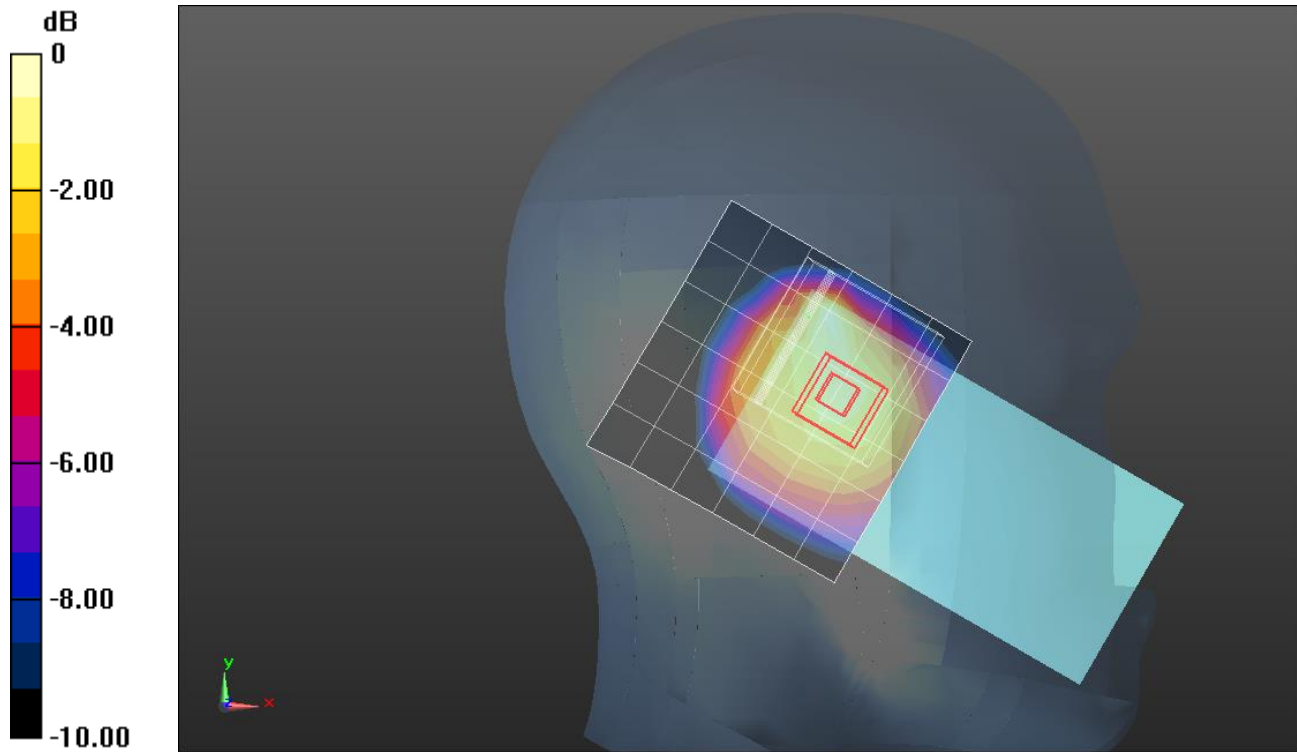
Reference Value = 20.088 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.317 W/kg

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

Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.581 W/kg = -2.36 dBW/kg

Test Laboratory: UL Verification Services Inc. SAR Lab A

Date: 6/27/2014

LTE Band 13_UAT

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (Interpolated): $f = 782$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 40.101$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 1/23/2014
- Probe: EX3DV4 - SN3772; ConvF(9.2, 9.2, 9.2); Calibrated: 2/26/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (A); Type: QD000P40CD; Serial: 1602

LHS/Touch_QPSK_RB 1/24_ch 23230/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.618 W/kg

LHS/Touch_QPSK_RB 1/24_ch 23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

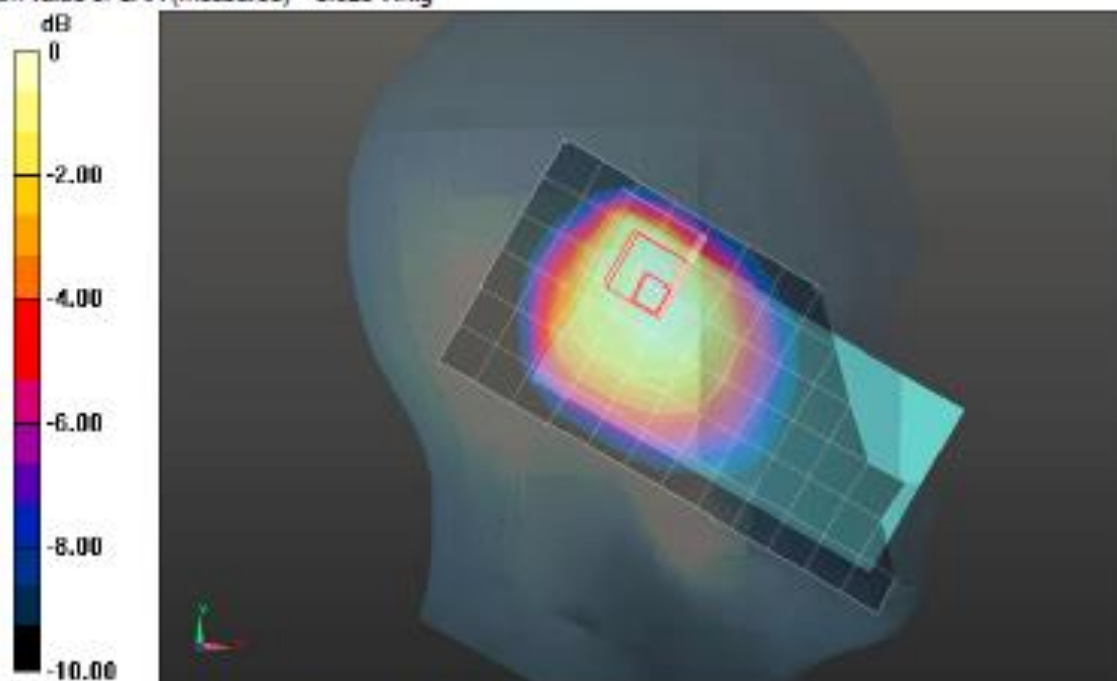
Reference Value = 26.671 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.998 W/kg

SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.356 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg = -2.01 dBW/kg

Plot No. 34

LTE Band 13_Baseline LAT

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpo_Baseline LATed): $f = 782$ MHz; $\sigma = 1.007$ S/m; $\epsilon_r = 52.846$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 7/30/2015
- Probe: EX3DV4 - SN3772; ConvF(8.82, 8.82, 8.82); Calibrated: 2/23/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: QDOVA002AA; Serial: 1180

Edge 4/QPSK_RB 1/24_ch 23230/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.615 W/kg

Edge 4/QPSK_RB 1/24_ch 23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

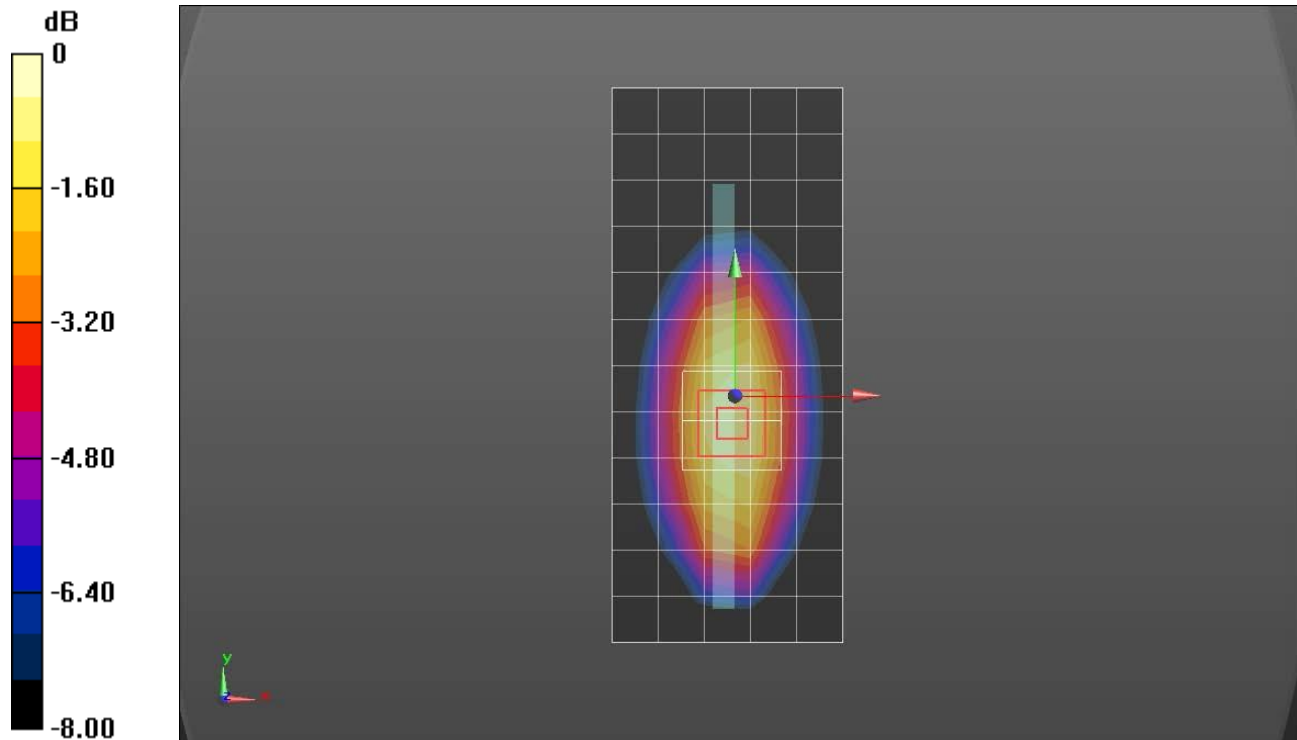
Reference Value = 6.544 V/m; Power Drift = 0.02 dB

Peak SAR (extrapo_Baseline LATed) = 0.852 W/kg

SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.372 W/kg

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

Maximum value of SAR (measured) = 0.690 W/kg



0 dB = 0.690 W/kg = -1.61 dBW/kg

Test Laboratory: UL Verification Services Inc. SAR Lab A

Date: 6/21/2014

LTE Band 13_LAT

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (Interpolated): $f = 782$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 55.065$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 1/23/2014
- Probe: EX3DV4 - SN3772; ConvF(8.68, 8.68, 8.68); Calibrated: 2/26/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 4/QPSK_RB 1/24_ch 23230/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

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

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

Edge 4/QPSK_RB 1/24_ch 23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

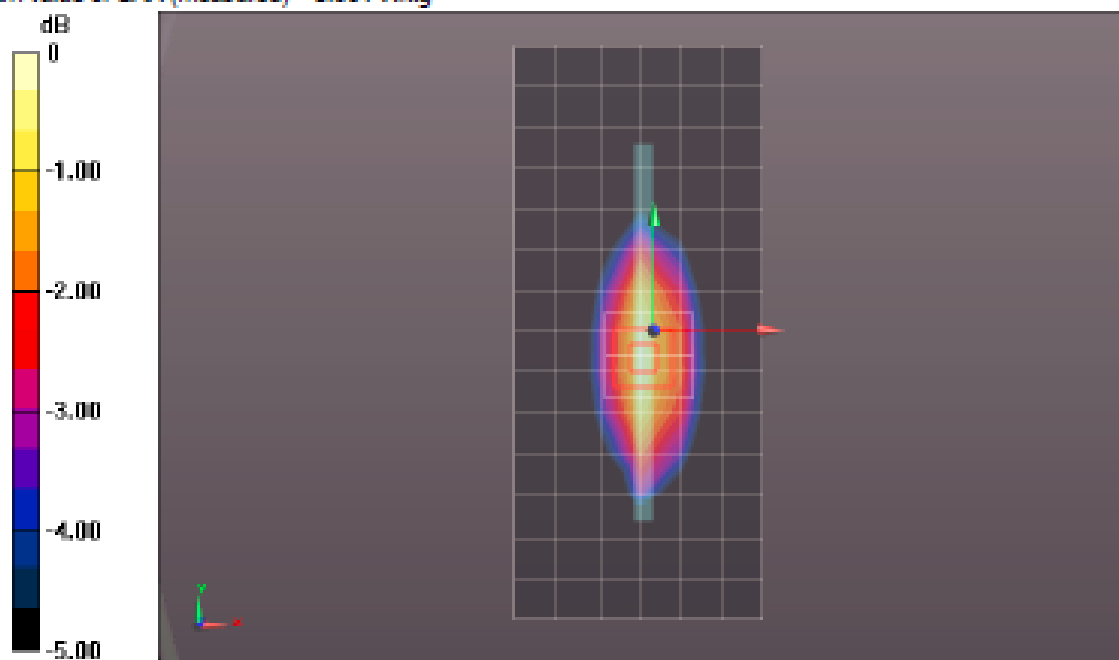
Reference Value = 28.948 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.696 W/kg; SAR(10 g) = 0.459 W/kg

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

Maximum value of SAR (measured) = 0.851 W/kg



0 dB = 0.851 W/kg = -0.70 dBW/kg

Plot No. 36

LTE Band 26_Baseline_UAT

Frequency: 819 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 42.06$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/18/2015
- Probe: EX3DV4 - SN3929; ConvF(8.67, 8.67, 8.67); Calibrated: 4/22/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

RHS /Touch_QPSK_RB 1/24_ch 26740/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.439 W/kg

RHS /Touch_QPSK_RB 1/24_ch 26740/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

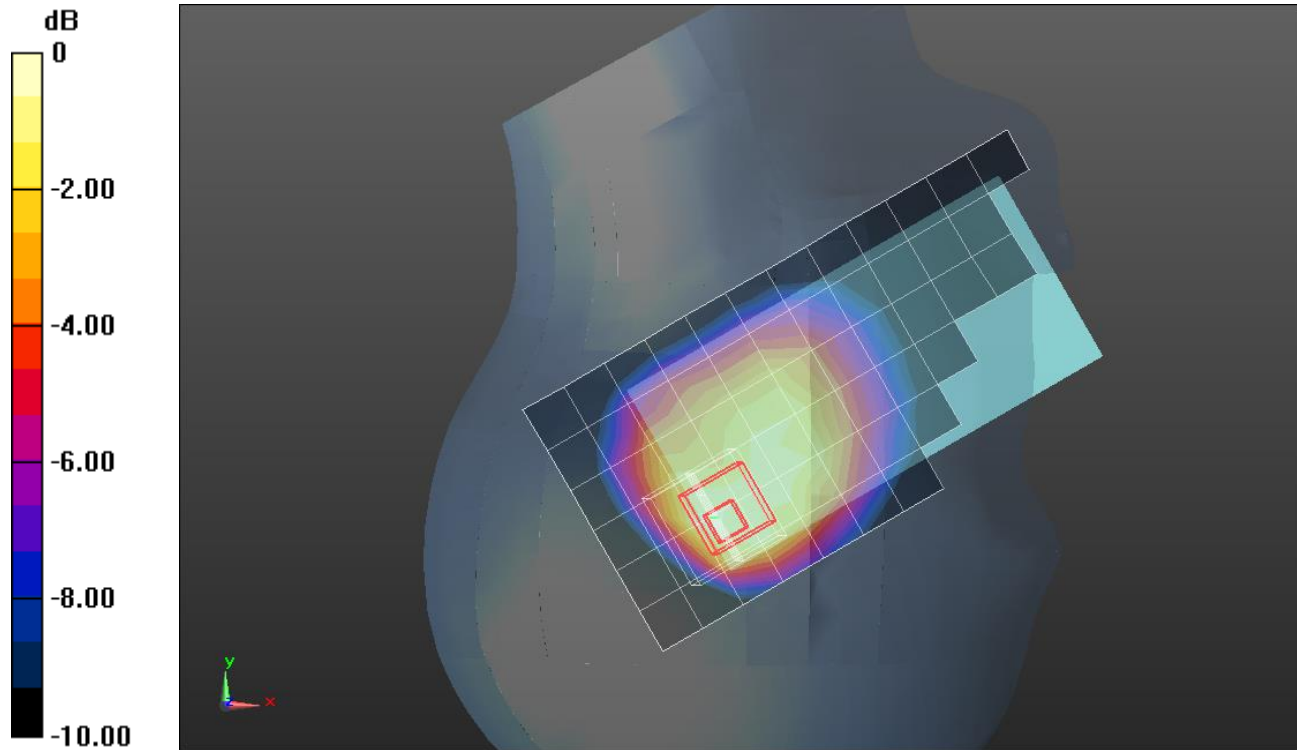
Reference Value = 22.915 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.692 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.234 W/kg

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

Maximum value of SAR (measured) = 0.479 W/kg



0 dB = 0.479 W/kg = -3.20 dBW/kg

Test Laboratory: UL Verification Services Inc., SAR Lab D

Date: 7/18/2014

LTE Band 26_UAT

Frequency: 819 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (Interpolated): $f = 819$ MHz; $\sigma = 0.877$ S/m; $\epsilon_r = 40.977$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1433; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

RHS/Touch_QPSK_RB 1/24_ch 26740/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.539 W/kg

RHS/Touch_QPSK_RB 1/24_ch 26740/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

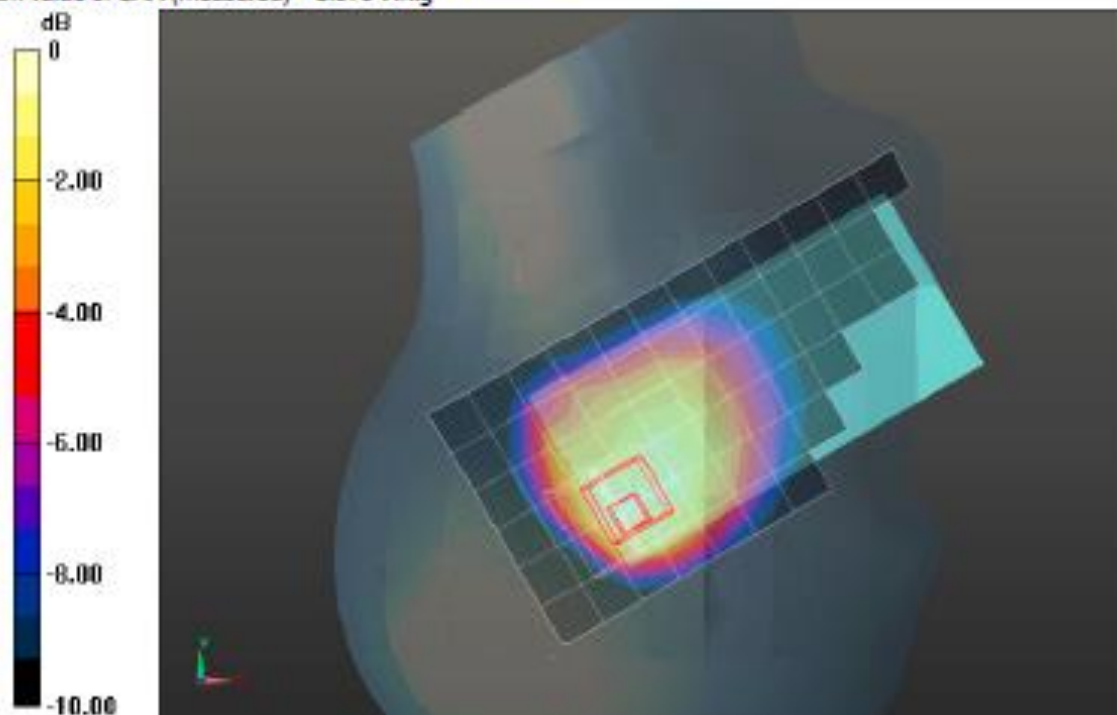
Reference Value = 24.823 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.847 W/kg

SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.295 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.579 W/kg = -2.37 dBW/kg

Plot No. 42

LTE Band 41_Baseline_UAT

Frequency: 2593 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 39.274$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 7/30/2015
- Probe: EX3DV4 - SN3772; ConvF(6.44, 6.44, 6.44); Calibrated: 2/23/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

RHS/Touch_QPSK_RB 1/49_ch 40620/Area Scan 2 (9x16x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.716 W/kg

RHS/Touch_QPSK_RB 1/49_ch 40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

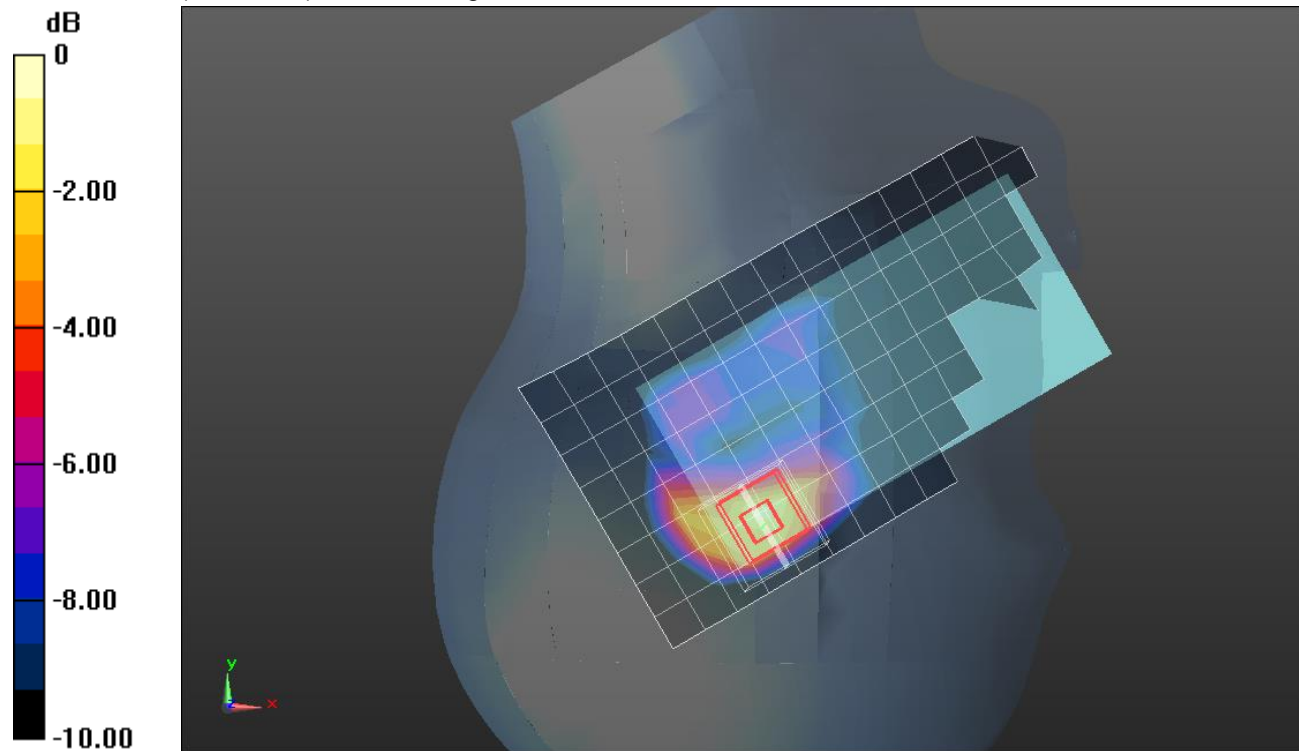
Reference Value = 20.516 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.273 W/kg

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

Maximum value of SAR (measured) = 0.858 W/kg



0 dB = 0.858 W/kg = -0.67 dBW/kg

Test Laboratory: UL Verification Services Inc. SAR Lab A

Date: 7/9/2014

LTE Band 41_UAT

Frequency: 2593 MHz; Duty Cycle: 1:1.6; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (Interpolated): $f = 2593$ MHz; $\sigma = 1.985$ S/m; $\epsilon_r = 39.494$; $\rho = 1000$ kg/m³
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 1/23/2014
- Probe: EX3DV4 - SN3772; ConvF(6.42, 6.42, 6.42); Calibrated: 2/26/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (B); Type: QD000P40CD; Serial: 1628

RHS/Touch_QPSK_RB 1/49_ch 40620/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.05 W/kg

RHS/Touch_QPSK_RB 1/49_ch 40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

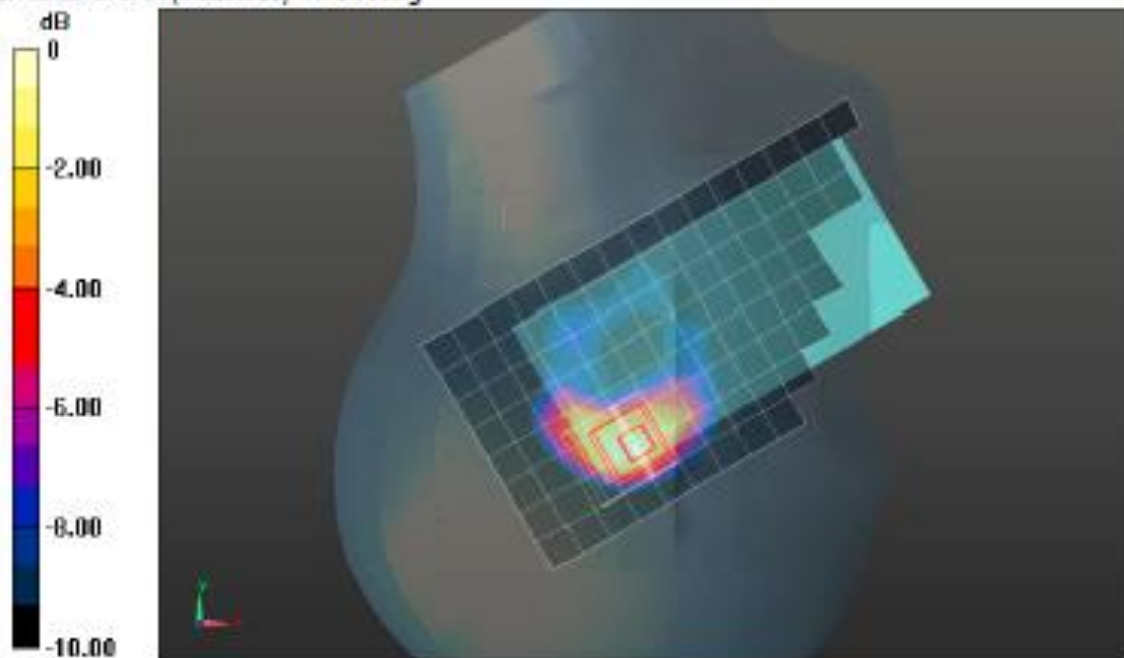
Reference Value = 23.731 W/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.314 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

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



0 dB = 1.01 W/kg = 0.04 dBW/kg

Plot No. 45

Wi-Fi 5 GHz_Baseline

Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5620$ MHz; $\sigma = 4.957$ S/m; $\epsilon_r = 35.54$; $\rho = 1000$ kg/m³ DASY5

Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/5/2015
- Probe: EX3DV4 - SN7335; ConvF(4.8, 4.8, 4.8); Calibrated: 3/13/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0 (Wi-Fi 5 GHz); Type: QD000P40CD; Serial: TP:xxxx

RHS/Touch_802.11a_Ch 124/Area Scan (10x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.829 W/kg

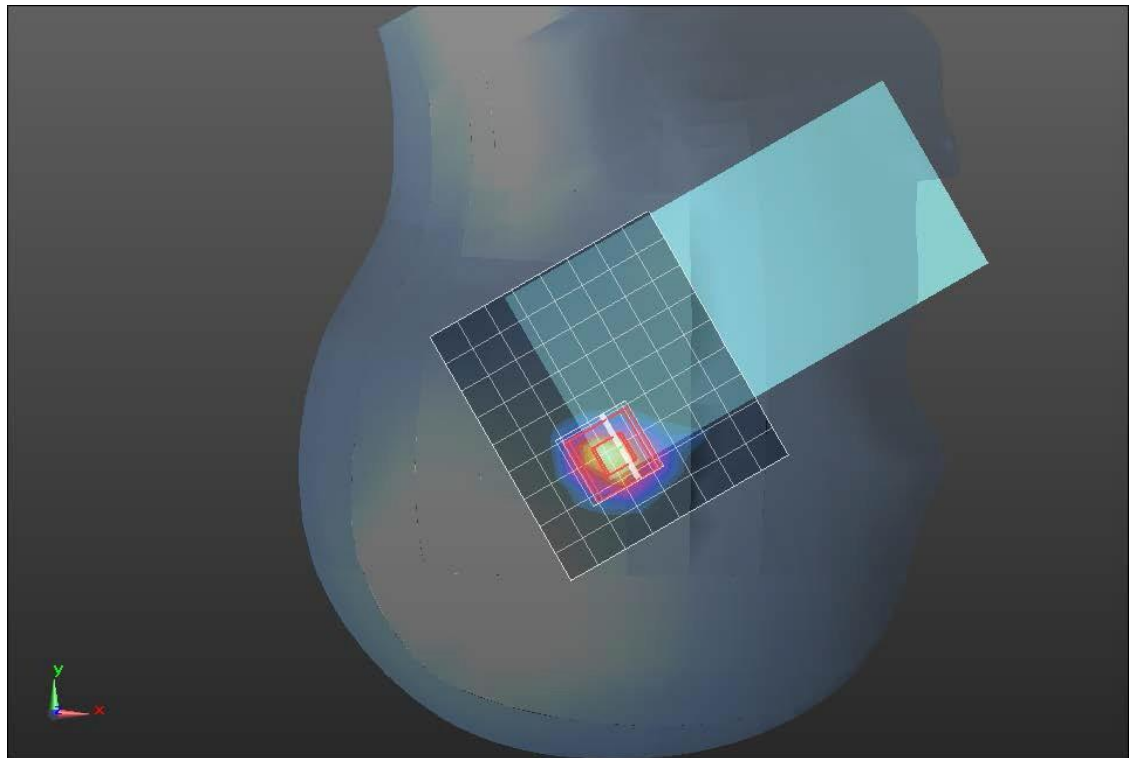
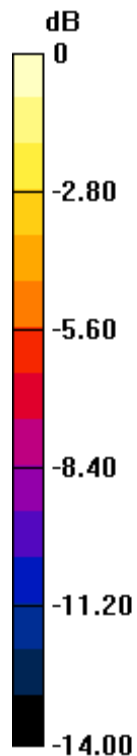
RHS/Touch_802.11a_Ch 124/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.340 V/m; Power Drift = -0.09 dB

Peak SAR (extrapo_Baseline LATed) = 2.57 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.089 W/kg

Maximum value of SAR (measured) = 0.925 W/kg



0 dB = 0.925 W/kg = -0.34 dBW/kg

Test Laboratory: UL Verification Services Inc. SAR Lab E

Date: 6/28/2014

Wi-Fi 5 GHz

Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5620$ MHz; $\sigma = 5.117$ S/m; $\epsilon_r = 36.387$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1357; Calibrated: 2/17/2014
- Probe: EX3DV4 - SN3901; ConvF(4.45, 4.45, 4.45); Calibrated: 2/25/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

RHS/Touch_802.11a_Ch 124/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.10 W/kg

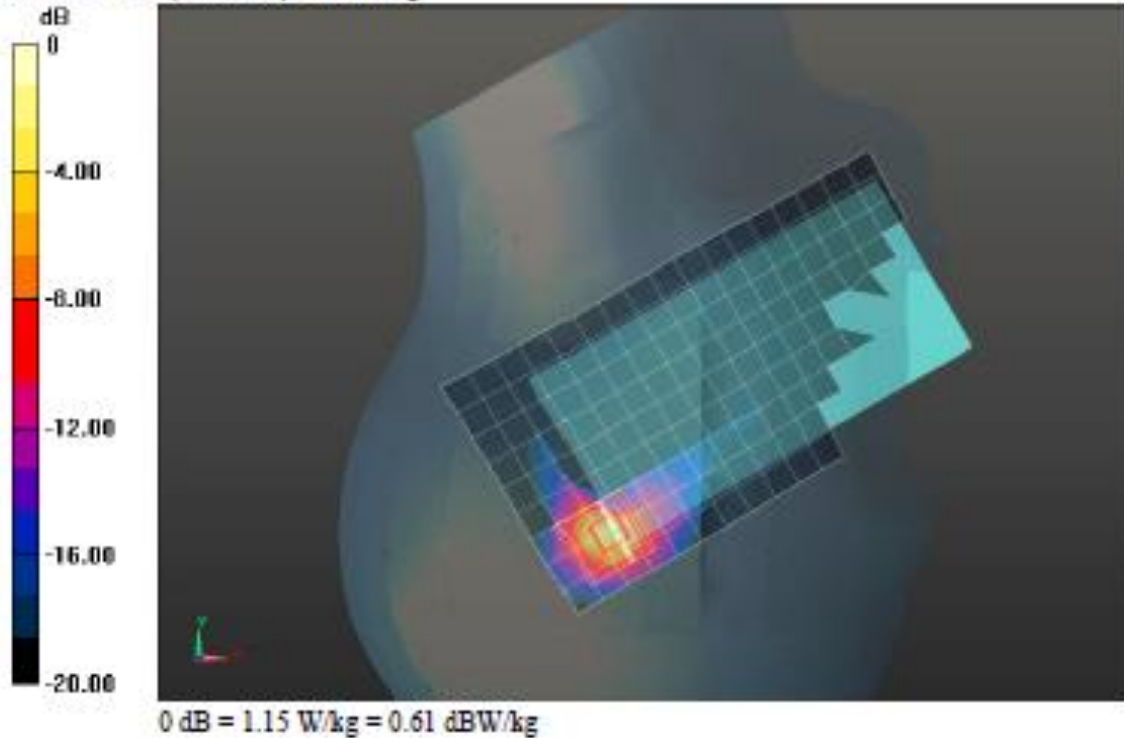
RHS/Touch_802.11a_Ch 124/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.760 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 4.09 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.100 W/kg

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



Plot No. 52

Wi-Fi 5 GHz Baseline

Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5620$ MHz; $\sigma = 5.765$ S/m; $\epsilon_r = 47.511$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/5/2015
- Probe: EX3DV4 - SN7335; ConvF(3.88, 3.88, 3.88); Calibrated: 3/13/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: QDOVA002AA; Serial: 1248

Front/802.11a_Ch 124/Area Scan (10x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.830 W/kg

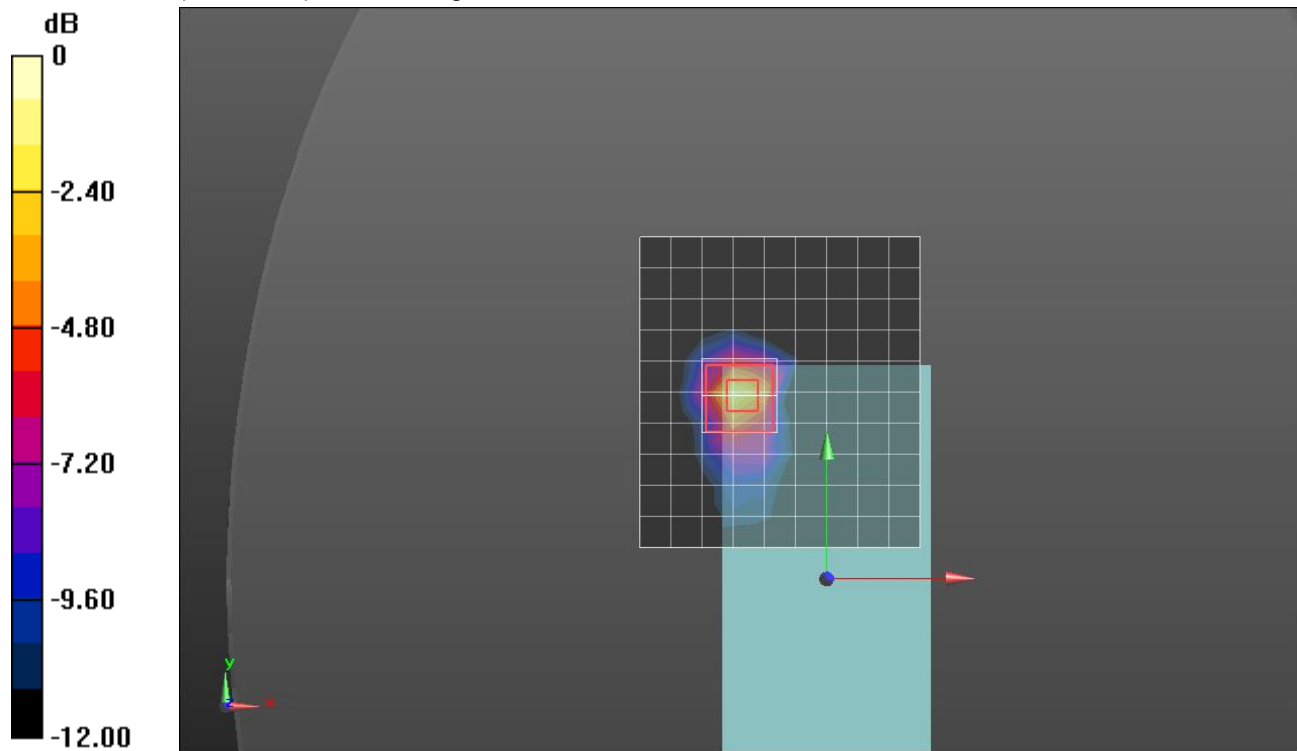
Front/802.11a_Ch 124/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.824 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.122 W/kg

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



0 dB = 1.04 W/kg = 0.17 dBW/kg

Test Laboratory: UL Verification Services Inc. SAR Lab E

Date: 7/17/2014

Wi-Fi 5 GHz

Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5620$ MHz; $\sigma = 5.941$ S/m; $\epsilon_r = 47.693$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1357; Calibrated: 2/17/2014
- Probe: EX3DV4 - SN3901; ConvF(3.74, 3.74, 3.74); Calibrated: 2/25/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: QD OVA.002 AA; Serial: 1180

Front/802.11a_Ch 124/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.680 W/kg

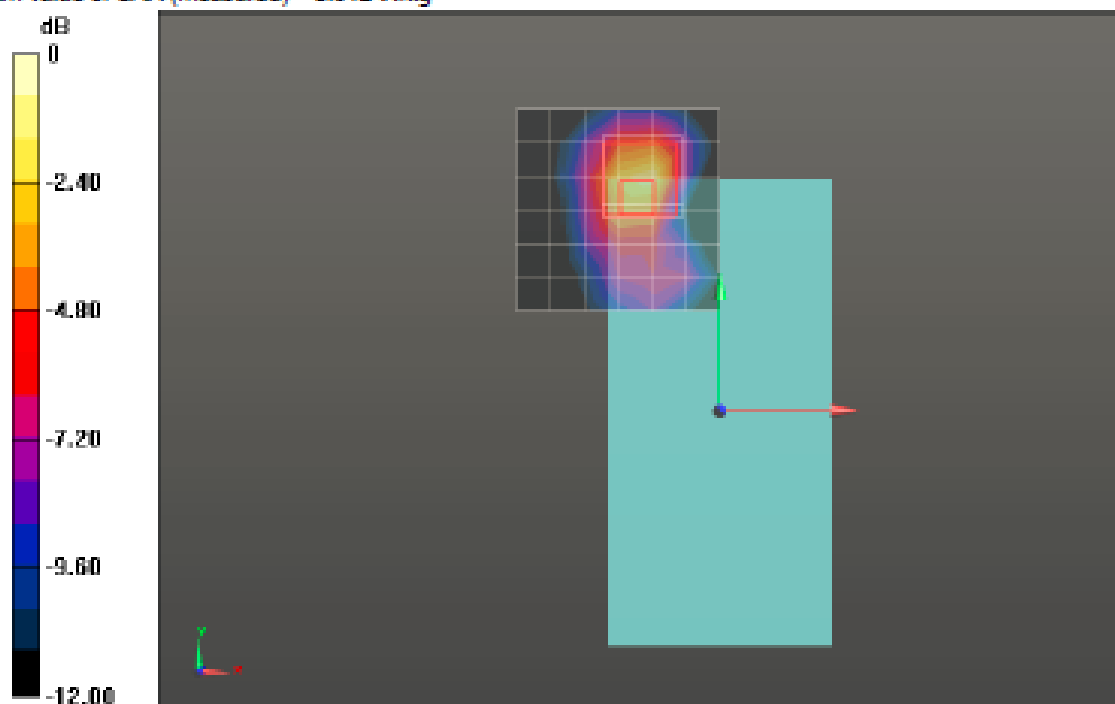
Front/802.11a_Ch 124/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.456 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.812 W/kg



0 dB = 0.812 W/kg = -0.90 dBW/kg

Plot No. 56