

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.303$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_L ch_QPSK_RB25_RB12/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.590 mW/g

Rear/10MHz_L ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

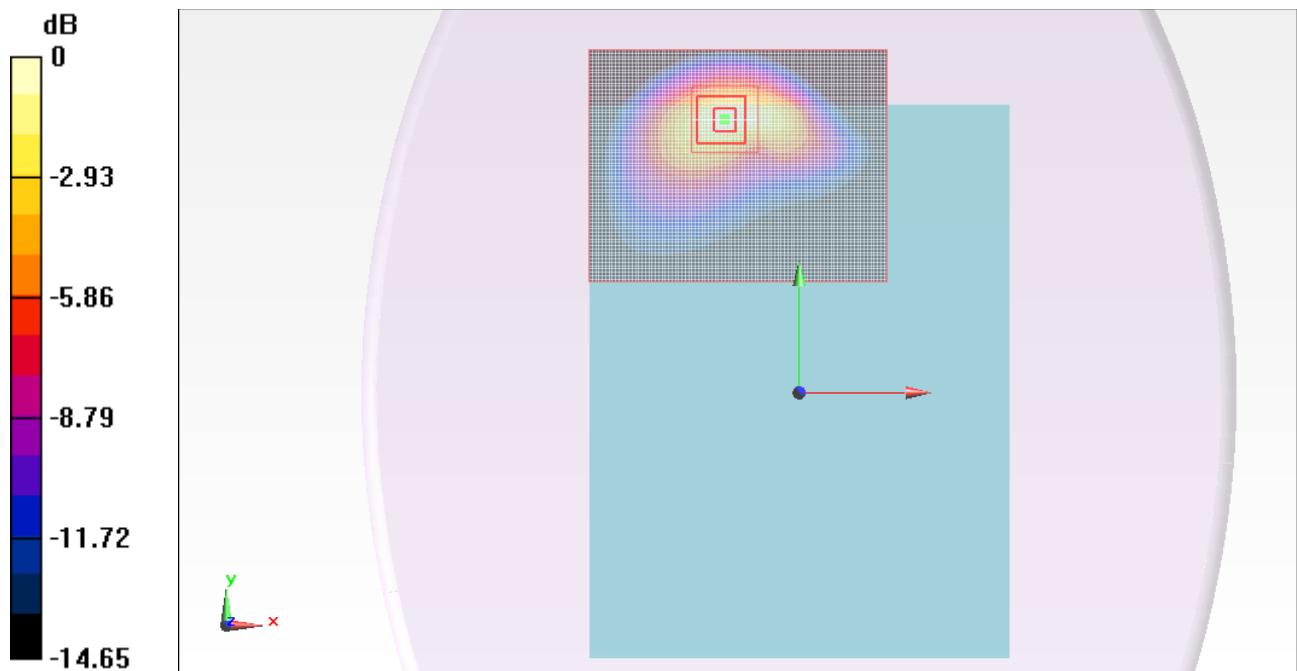
Reference Value = 41.708 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.561 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.599 mW/g

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

Maximum value of SAR (measured) = 1.651 mW/g



0 dB = 1.650mW/g

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Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.303$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_L ch_QPSK_RB1_RB0/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.434 mW/g

Rear/10MHz_L ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 39.566 V/m; Power Drift = -0.04 dB

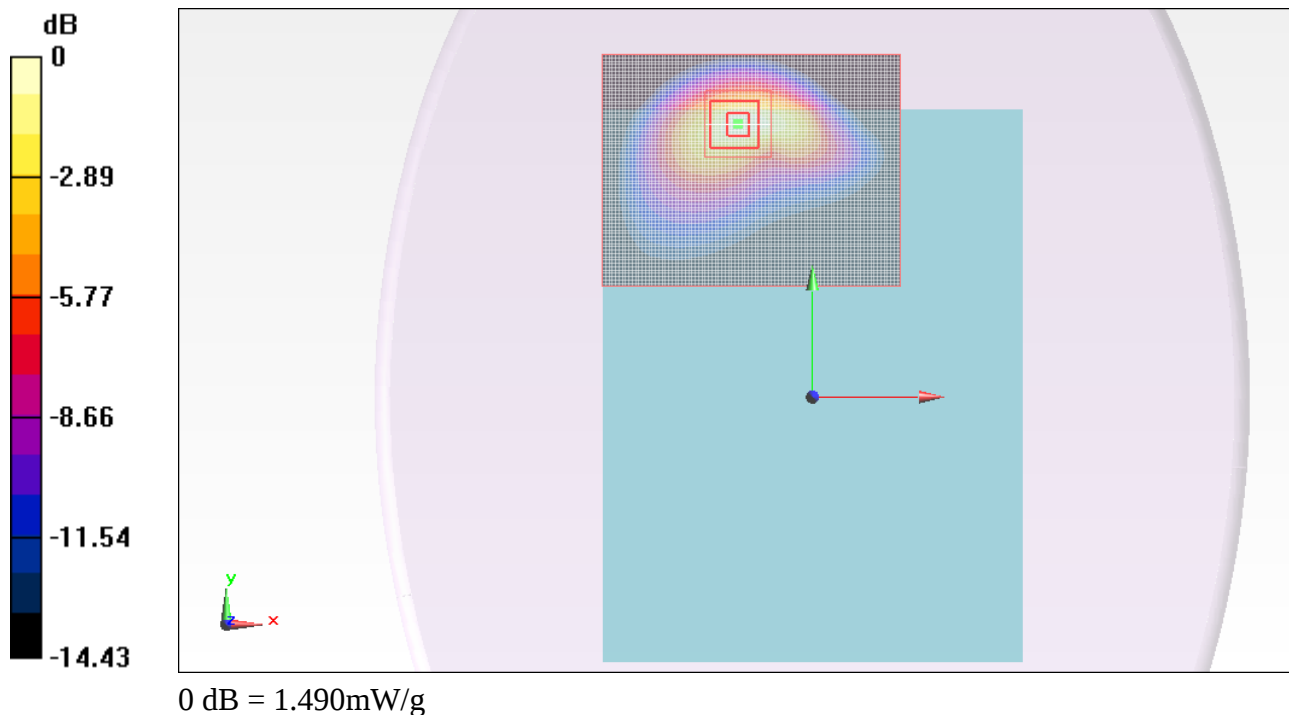
Peak SAR (extrapolated) = 2.294 W/kg

Peak SAR (extrapolated) = 2.294 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.547 mW/g

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

Maximum value of SAR (measured) = 1.485 mW/g



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Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.303$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_L ch_QPSK_RB1_RB49/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.563 mW/g

Rear/10MHz_L ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

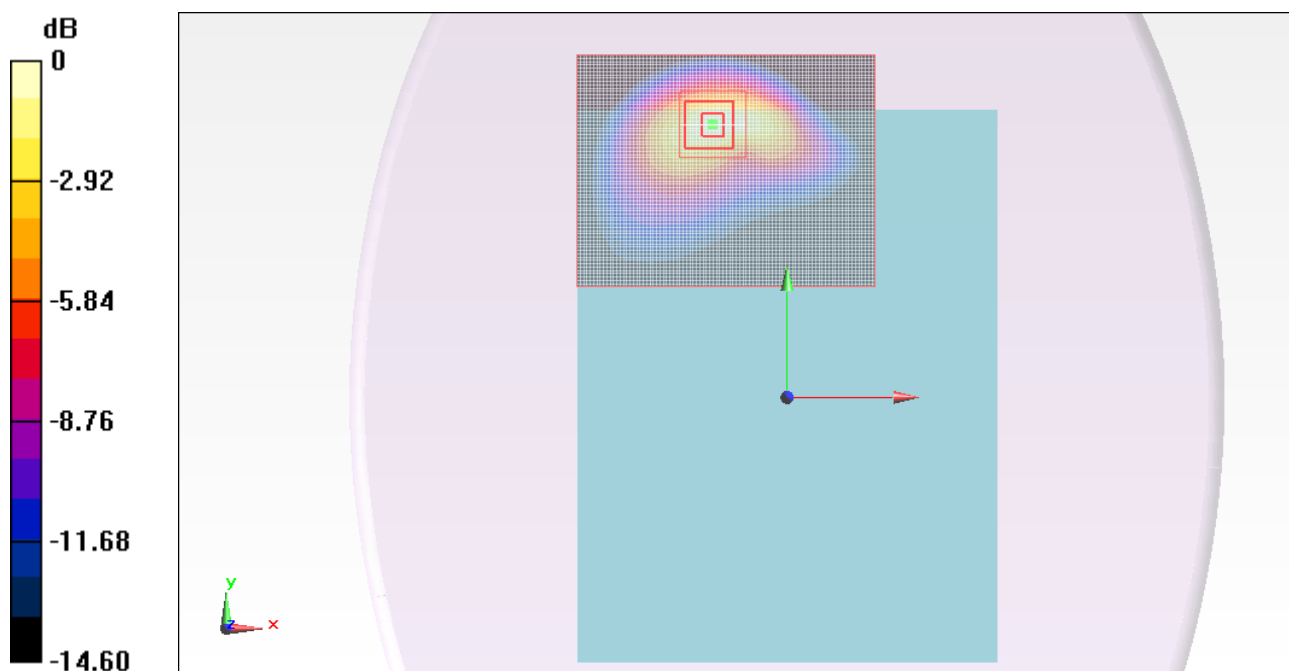
Reference Value = 41.006 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.423 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.585 mW/g

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

Maximum value of SAR (measured) = 1.589 mW/g



0 dB = 1.590mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.303$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_L ch_16QAM_RB25_RB12/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.539 mW/g

Rear/10MHz_L ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

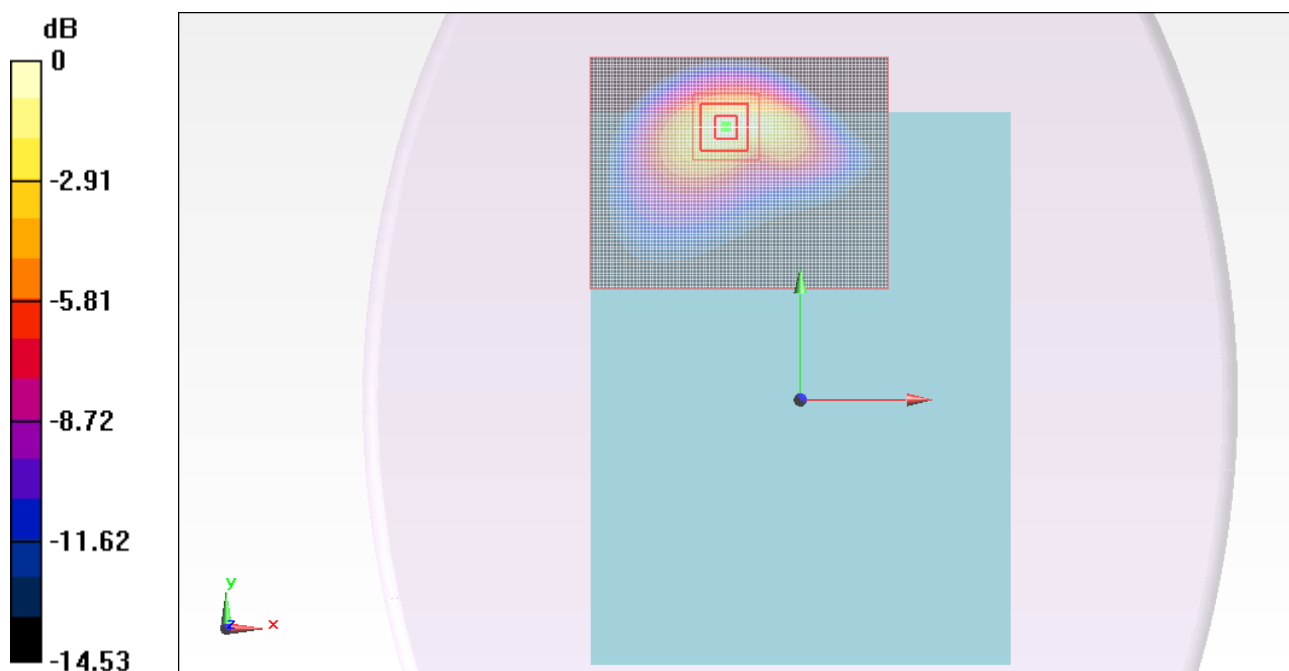
Reference Value = 41.374 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.511 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.587 mW/g

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

Maximum value of SAR (measured) = 1.605 mW/g



0 dB = 1.610mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.303$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_L ch_16QAM_RB1_RB0/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.403 mW/g

Rear/10MHz_L ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

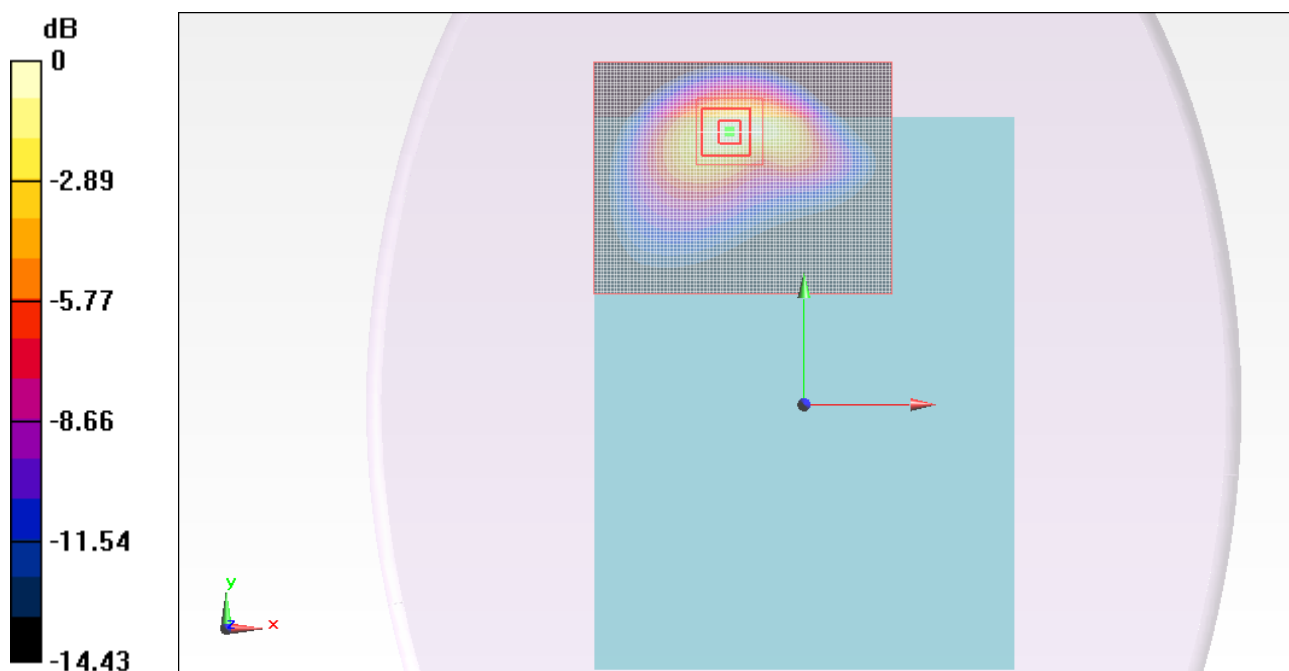
Reference Value = 39.320 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.260 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.538 mW/g

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

Maximum value of SAR (measured) = 1.455 mW/g



0 dB = 1.450mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.303$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_L ch_16QAM_RB1_RB49/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.521 mW/g

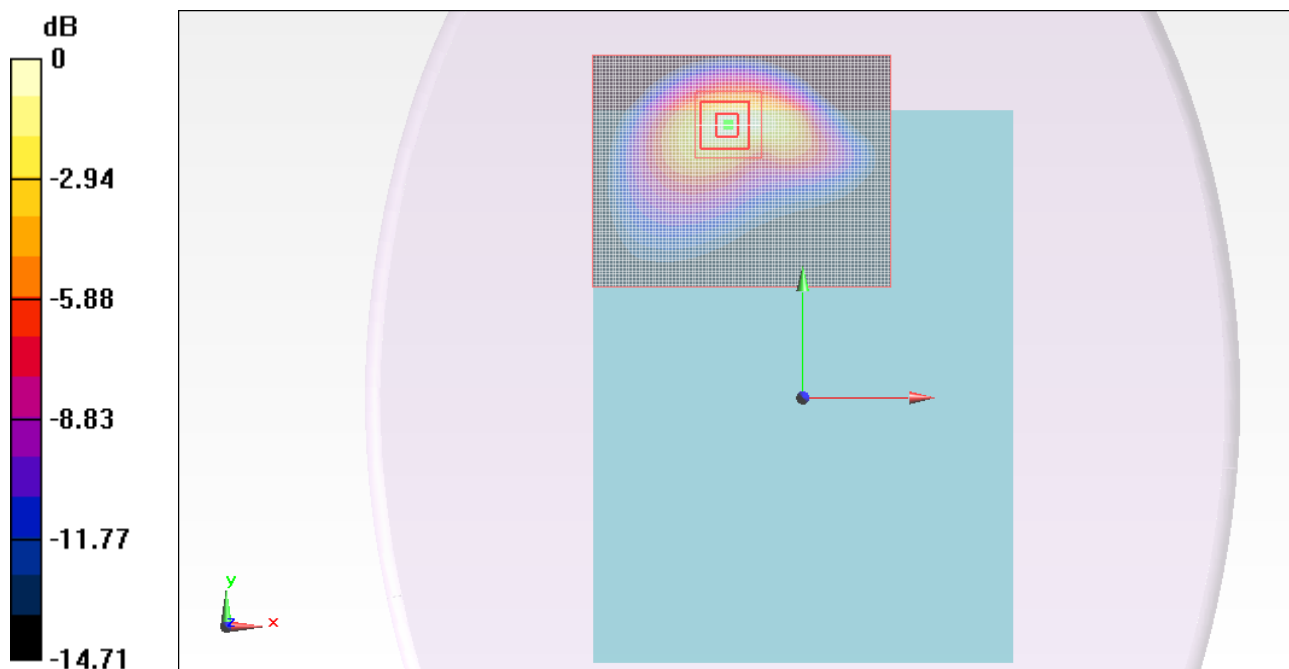
Rear/10MHz_L ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 40.908 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.429 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.582 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.586 mW/g



0 dB = 1.590mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 58.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_M ch_QPSK_RB25_RB12/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.532 mW/g

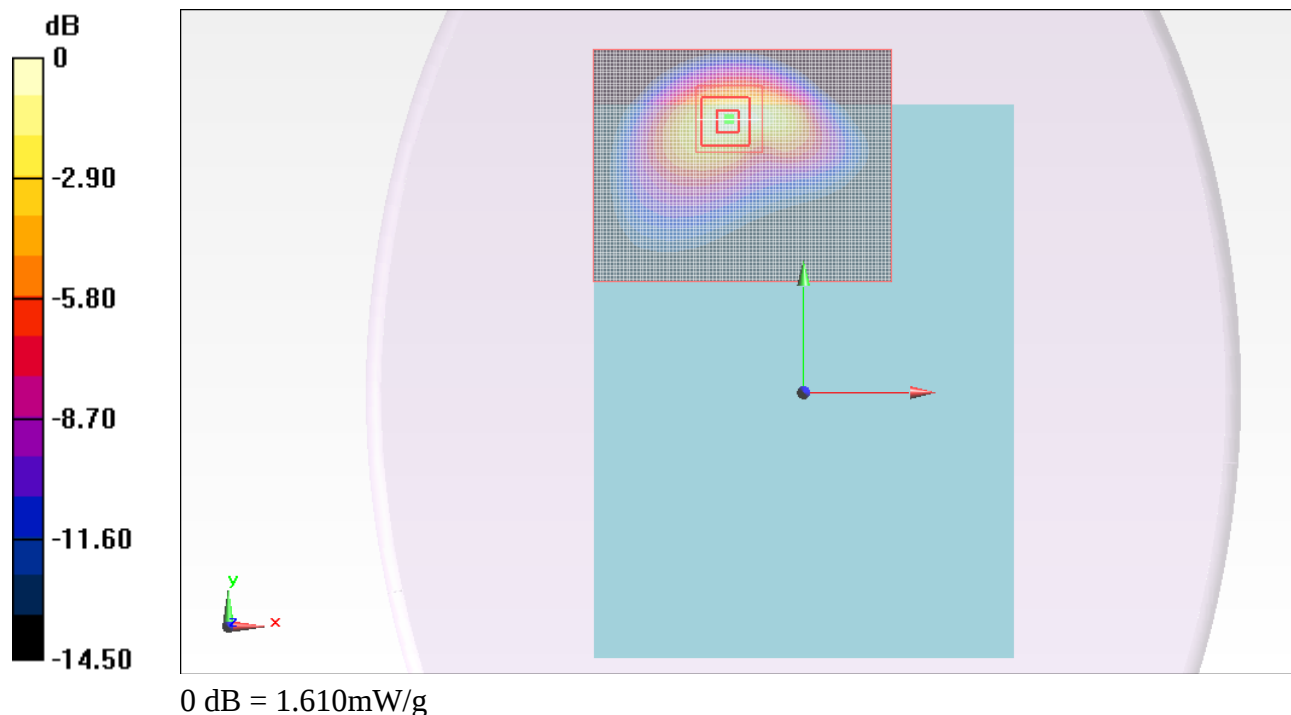
Rear/10MHz_M ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 41.155 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.512 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.589 mW/g

Maximum value of SAR (measured) = 1.611 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 58.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_M ch_QPSK_RB1_RB0/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.353 mW/g

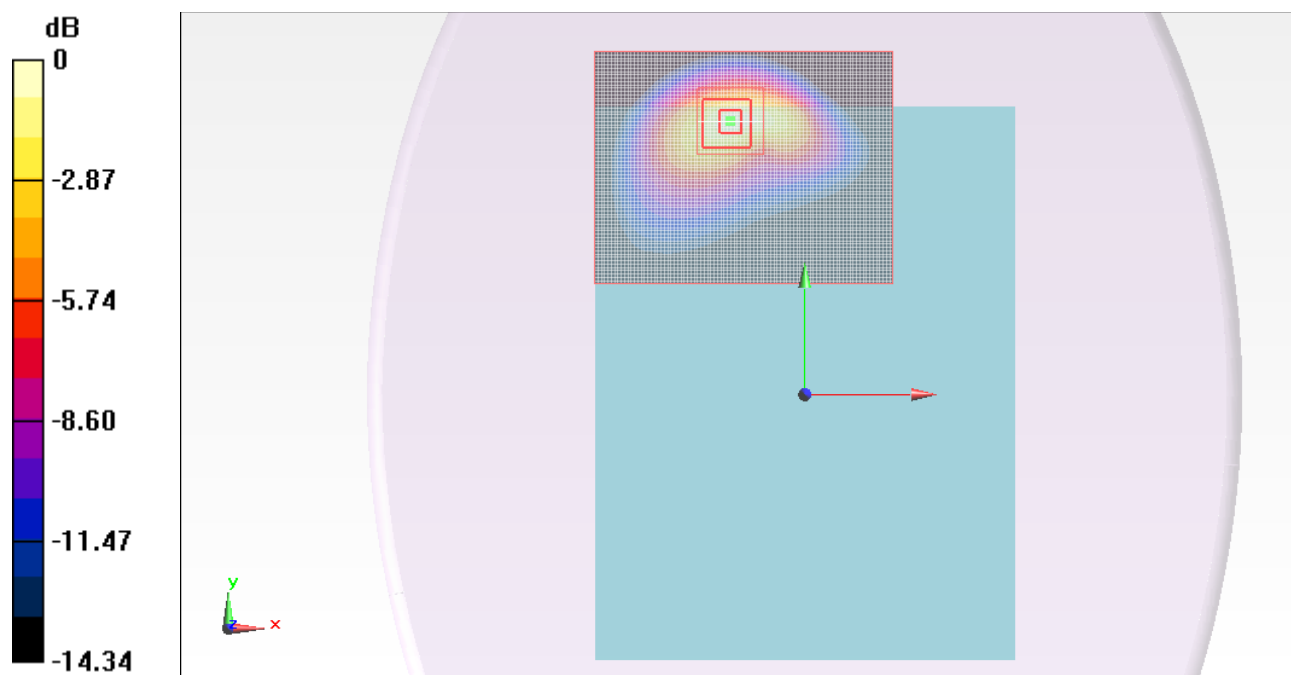
Rear/10MHz_M ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 39.031 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.334 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.542 mW/g

Maximum value of SAR (measured) = 1.475 mW/g



0 dB = 1.480mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 58.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

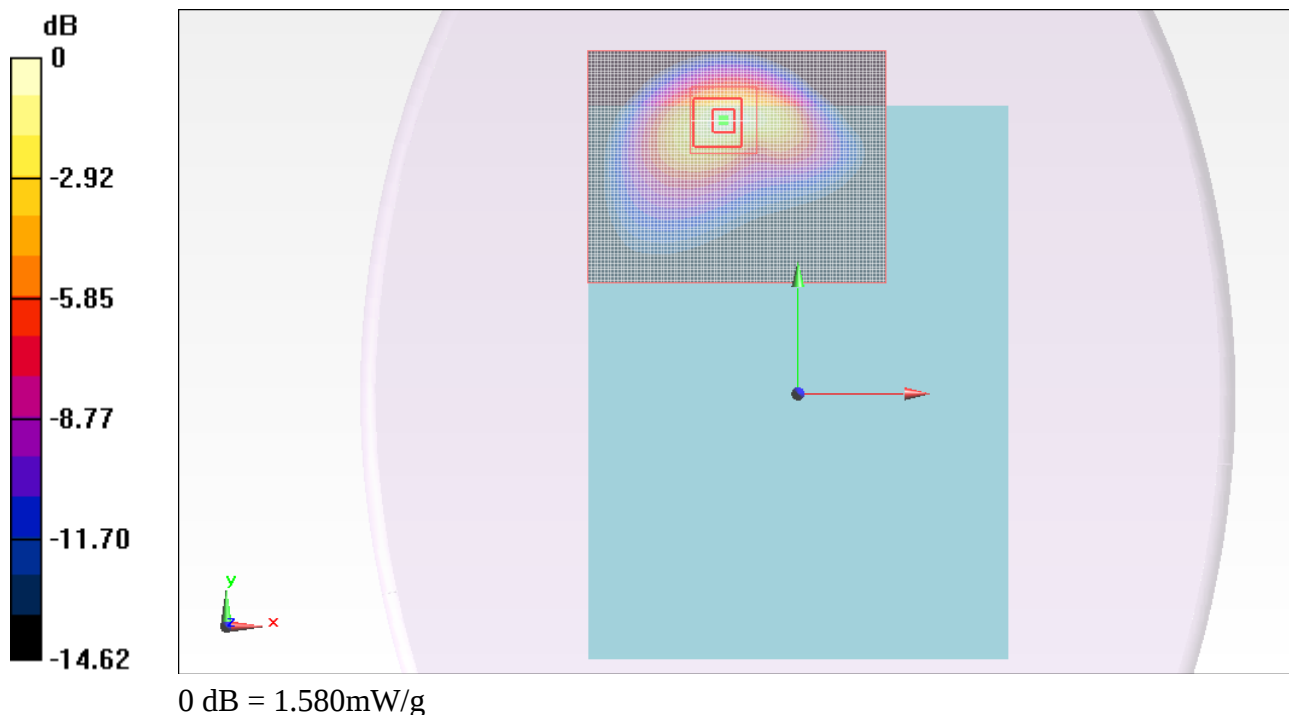
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_M ch_QPSK_RB1_RB49/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.461 mW/g

Rear/10MHz_M ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 40.642 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.452 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.581 mW/g
Maximum value of SAR (measured) = 1.581 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 58.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_M ch_16AQAM_RB25_RB12/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.486 mW/g

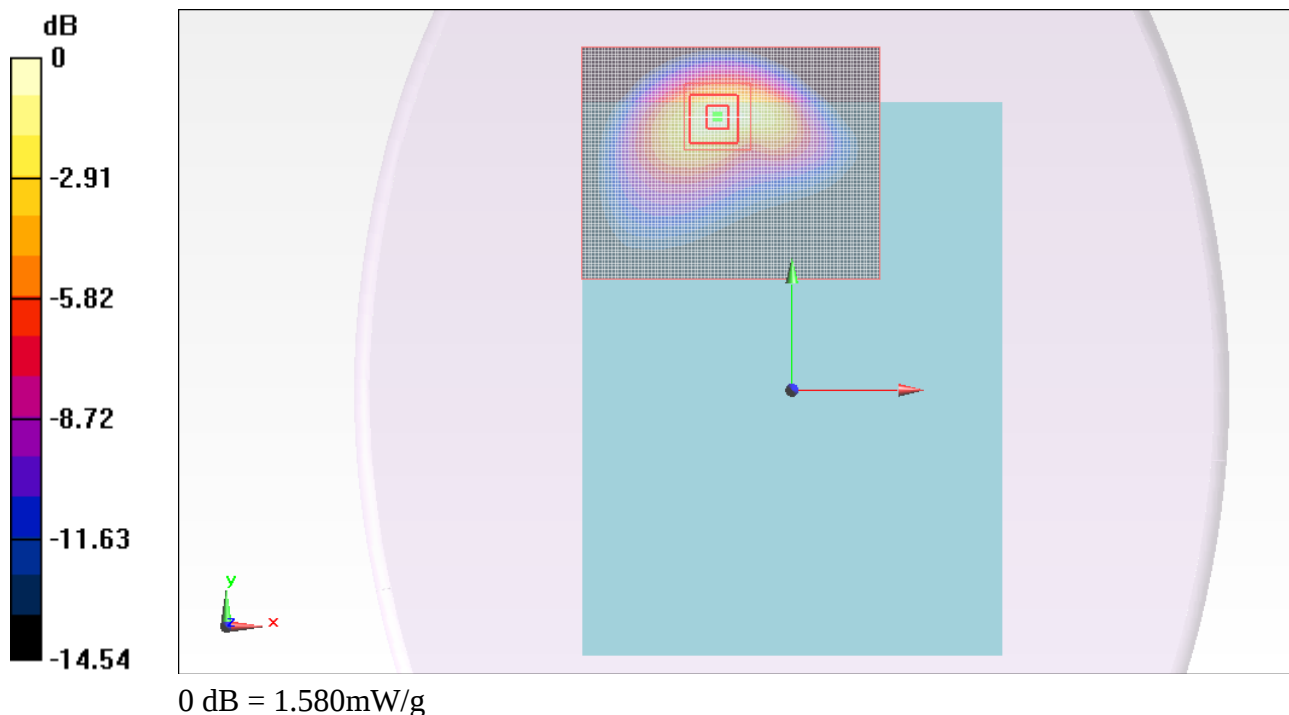
Rear/10MHz_M ch_16AQAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 41.157 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.464 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.580 mW/g

Maximum value of SAR (measured) = 1.585 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 58.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

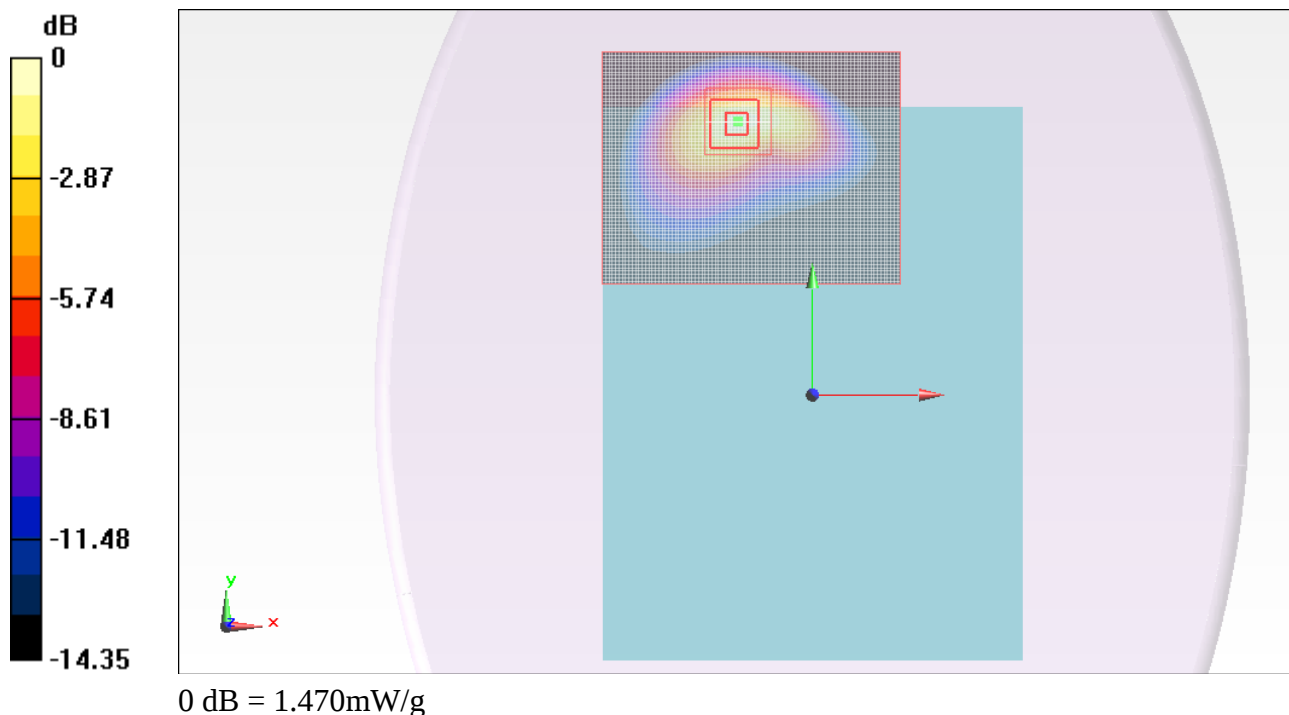
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_M ch_16AQAM_RB1_RB0/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.346 mW/g

Rear/10MHz_M ch_16AQAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 38.689 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.280 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.536 mW/g
Maximum value of SAR (measured) = 1.467 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 58.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

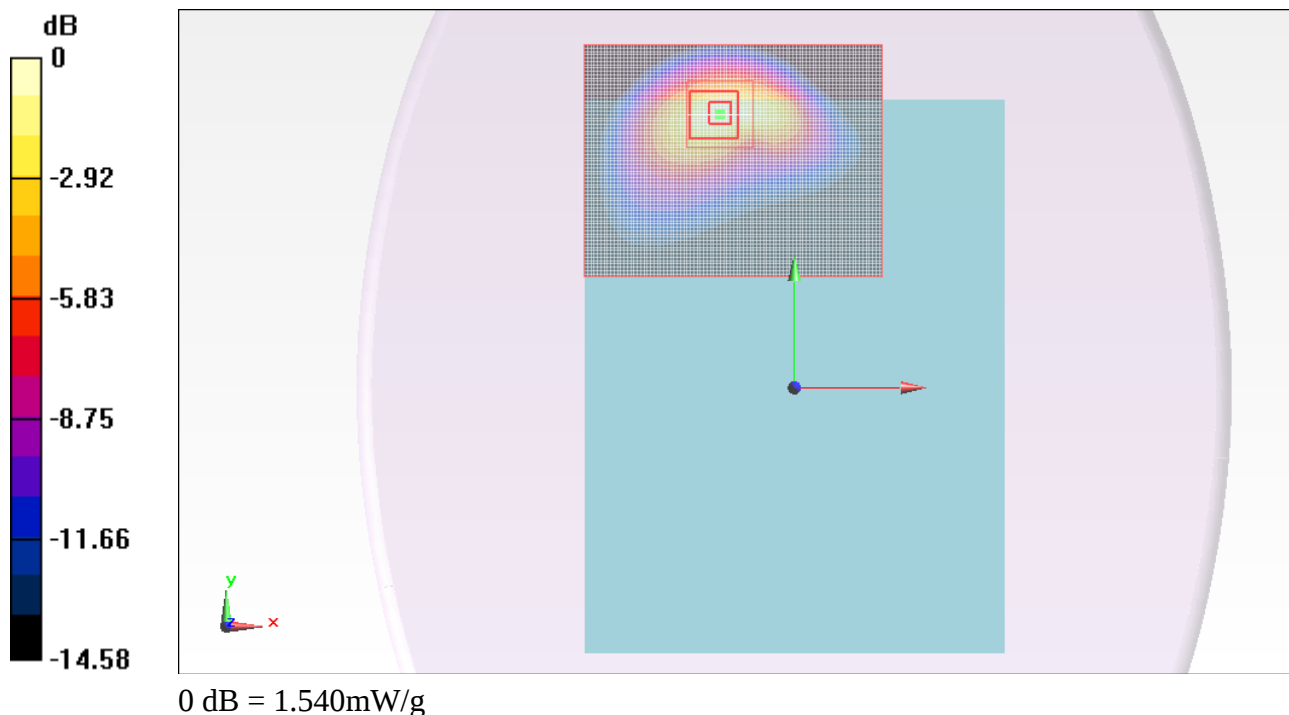
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_M ch_16AQAM_RB1_RB49/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.478 mW/g

Rear/10MHz_M ch_16AQAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 41.198 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 2.359 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.566 mW/g
Maximum value of SAR (measured) = 1.544 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_H ch_QPSK_RB25_RB12/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.390 mW/g

Rear/10MHz_H ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

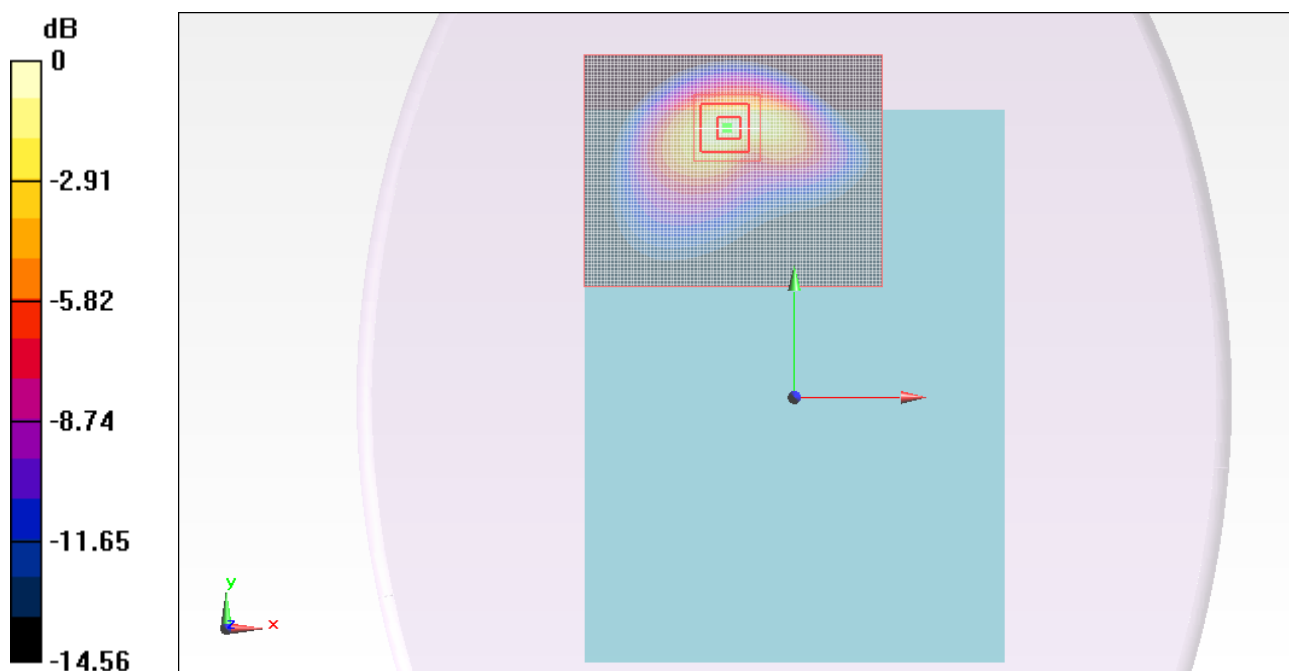
Reference Value = 39.340 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.626 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.600 mW/g

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

Maximum value of SAR (measured) = 1.670 mW/g



0 dB = 1.670mW/g

Test Laboratory: UL CCS SAR Lab A

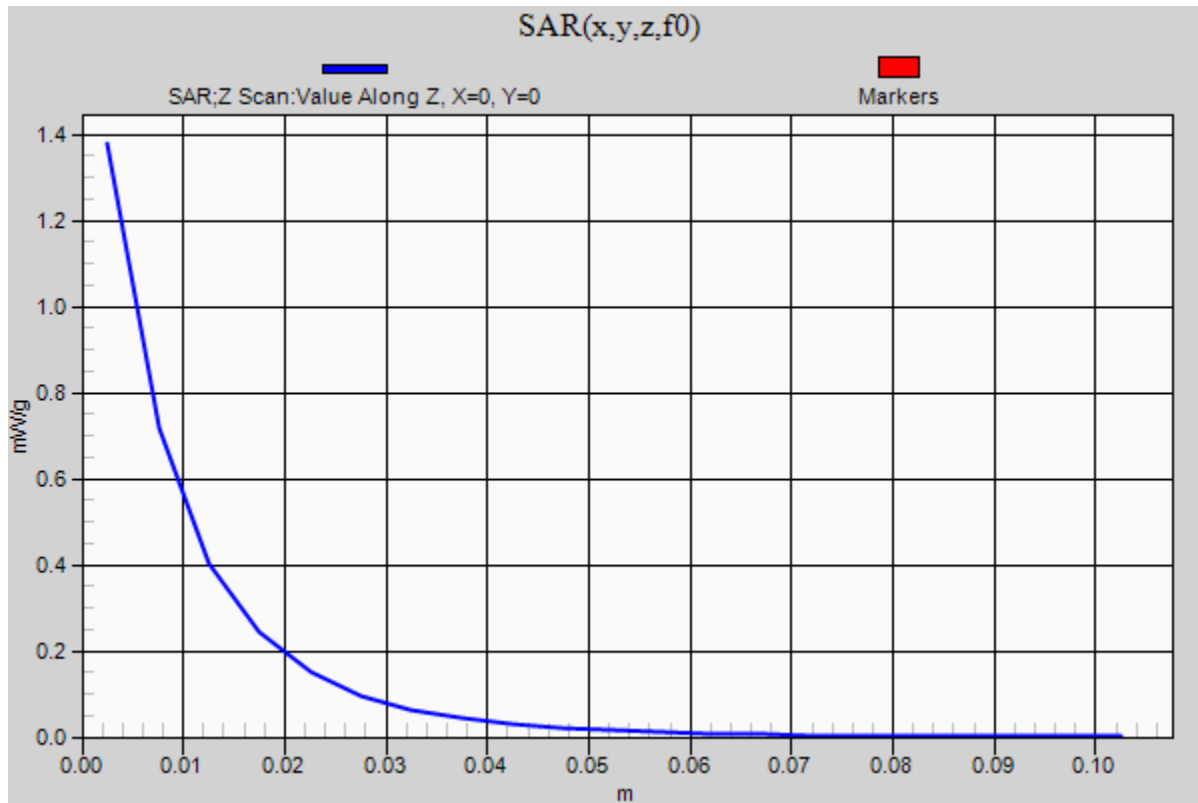
LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Rear/10MHz_H ch_QPSK_RB25_RB12/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

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

Maximum value of SAR (measured) = 1.379 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_H ch_QPSK_RB1_RB0/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.254 mW/g

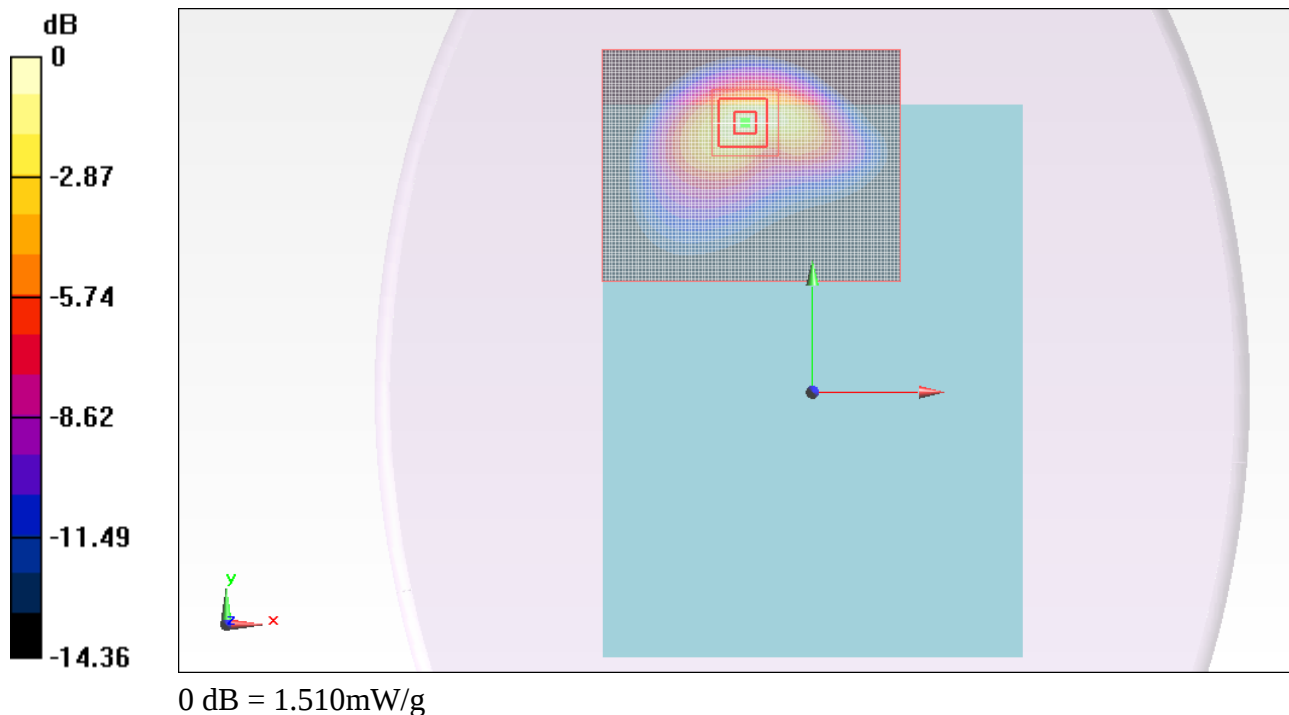
Rear/10MHz_H ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 37.248 V/m; Power Drift = 0.0089 dB

Peak SAR (extrapolated) = 2.350 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.551 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.505 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_H ch_QPSK_RB1_RB49/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.343 mW/g

Rear/10MHz_H ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

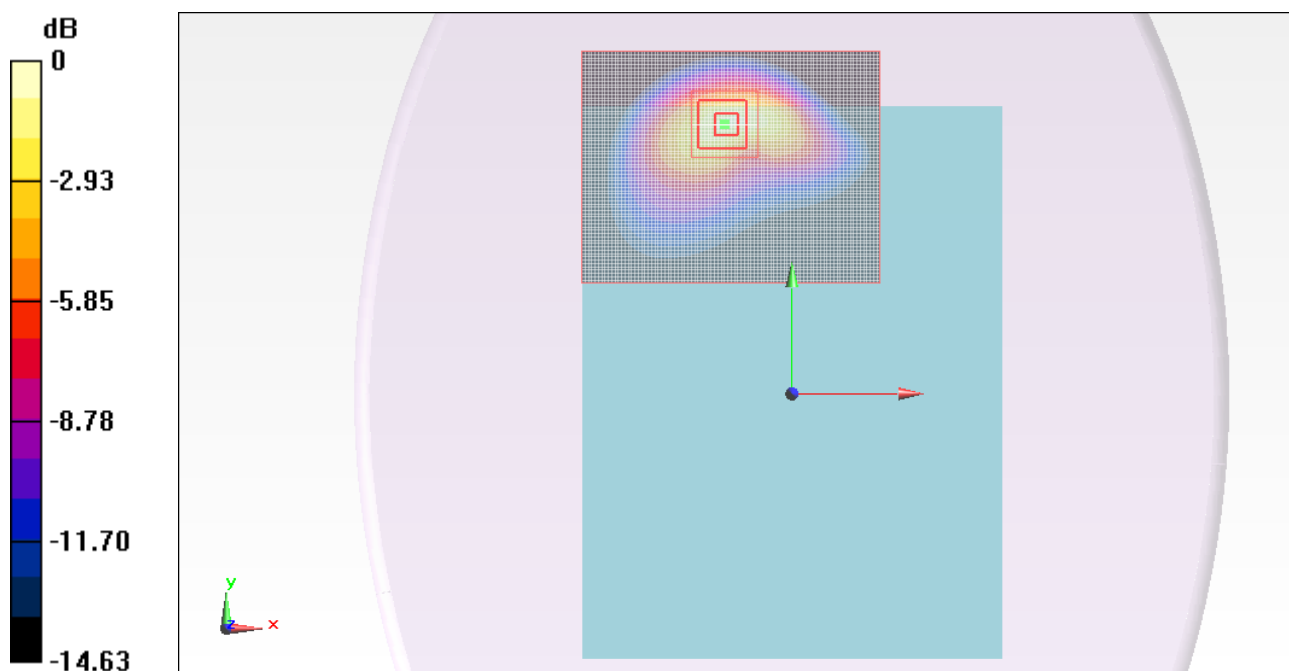
Reference Value = 38.680 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.490 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.590 mW/g

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

Maximum value of SAR (measured) = 1.614 mW/g



0 dB = 1.610mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_H ch_16QAM_RB25_RB12/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.370 mW/g

Rear/10MHz_H ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

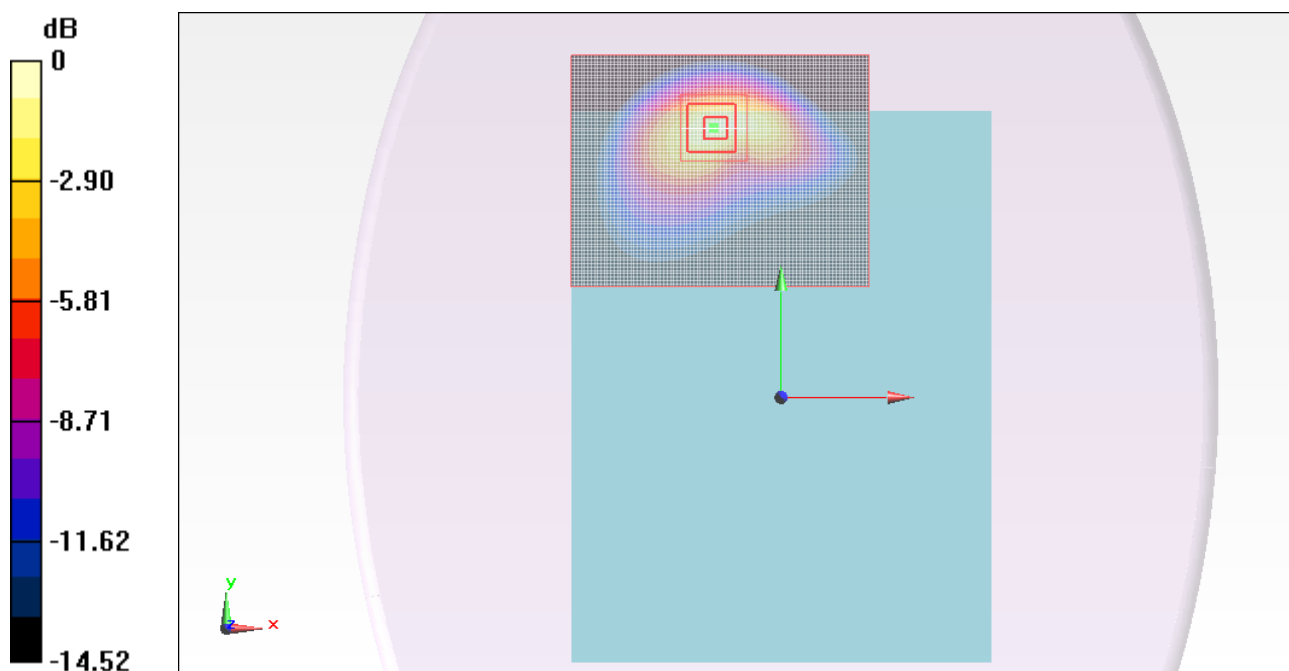
Reference Value = 39.241 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.546 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.598 mW/g

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

Maximum value of SAR (measured) = 1.628 mW/g



0 dB = 1.630mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_H ch_16QAM_RB1_RB0/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.240 mW/g

Rear/10MHz_H ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

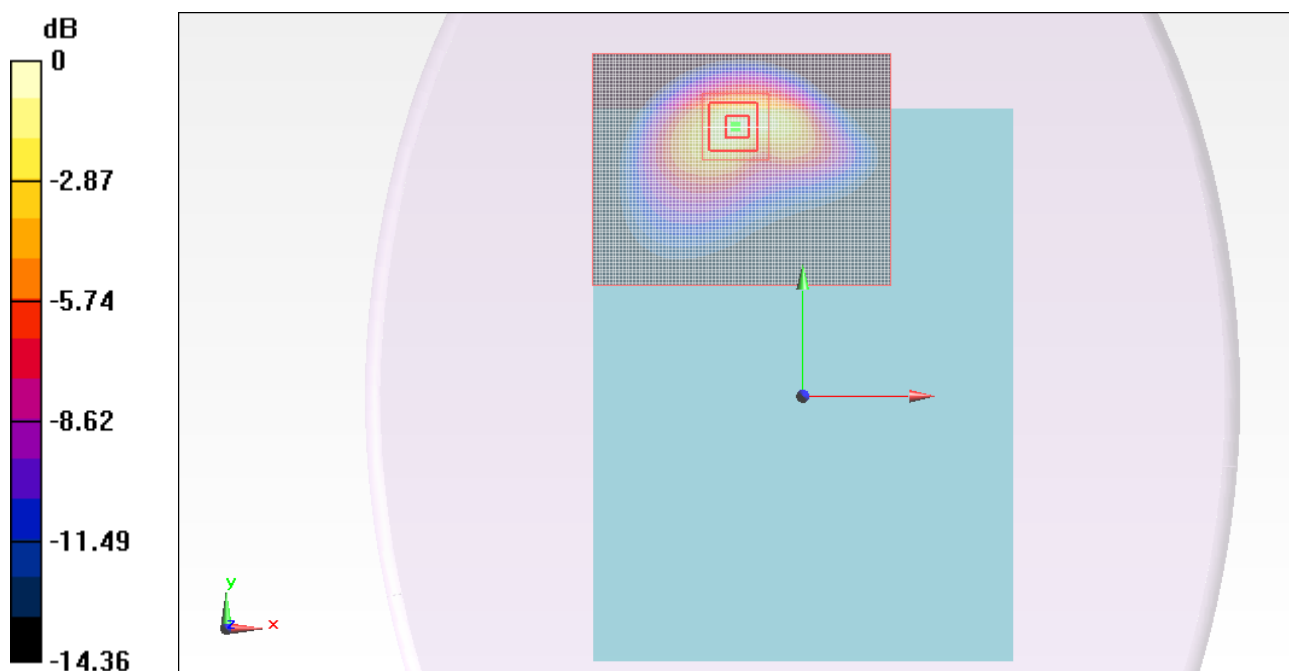
Reference Value = 37.039 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.295 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.544 mW/g

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

Maximum value of SAR (measured) = 1.486 mW/g



0 dB = 1.490mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/10MHz_H ch_16QAM_RB1_RB49/Area Scan (91x71x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.328 mW/g

Rear/10MHz_H ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

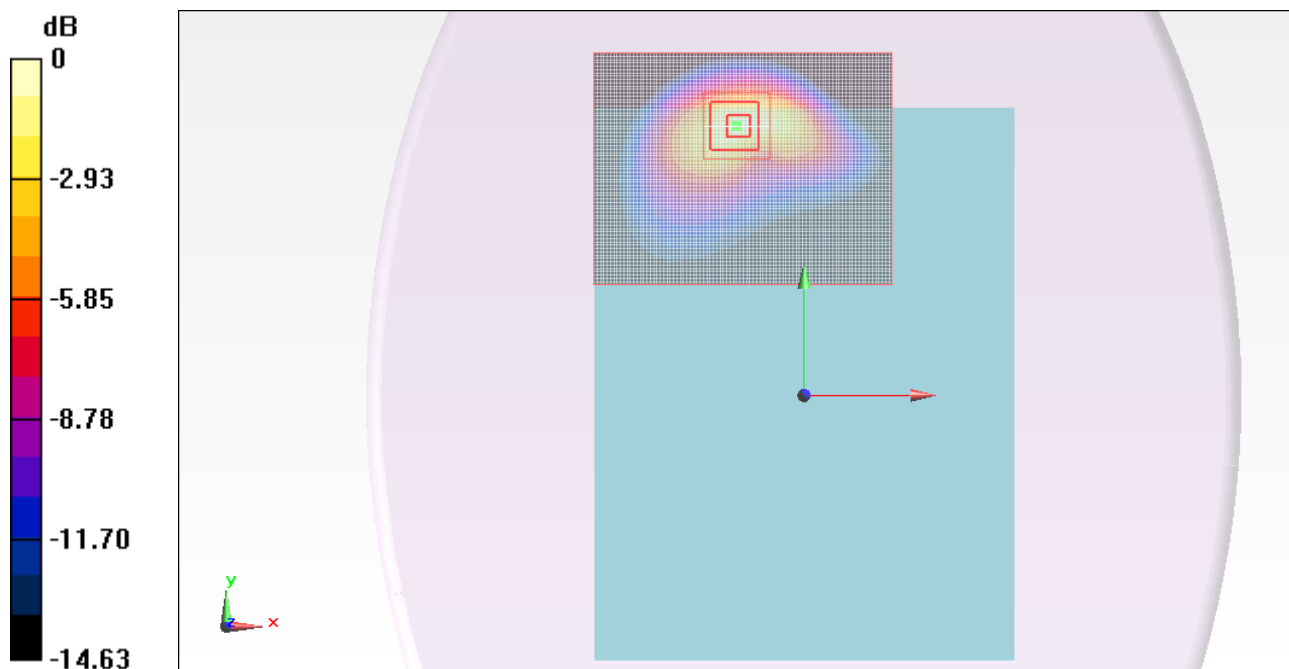
Reference Value = 38.345 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.415 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.581 mW/g

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

Maximum value of SAR (measured) = 1.587 mW/g



0 dB = 1.590mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 58.19$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_L ch_QPSK_RB25_RB12/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.007 mW/g

Top Edge/10MHz_L ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

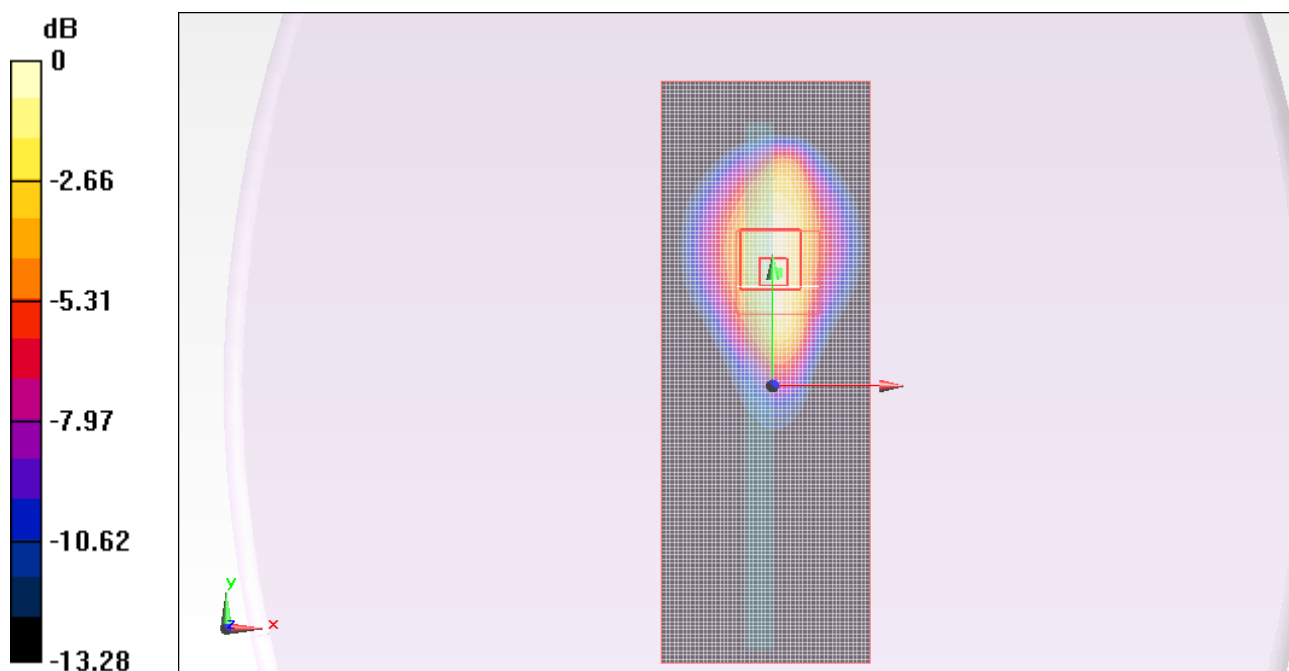
Reference Value = 29.687 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.696 W/kg

SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.453 mW/g

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

Maximum value of SAR (measured) = 1.075 mW/g



0 dB = 1.080mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 58.19$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_L ch_QPSK_RB1_RB0/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.938 mW/g

Top Edge/10MHz_L ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

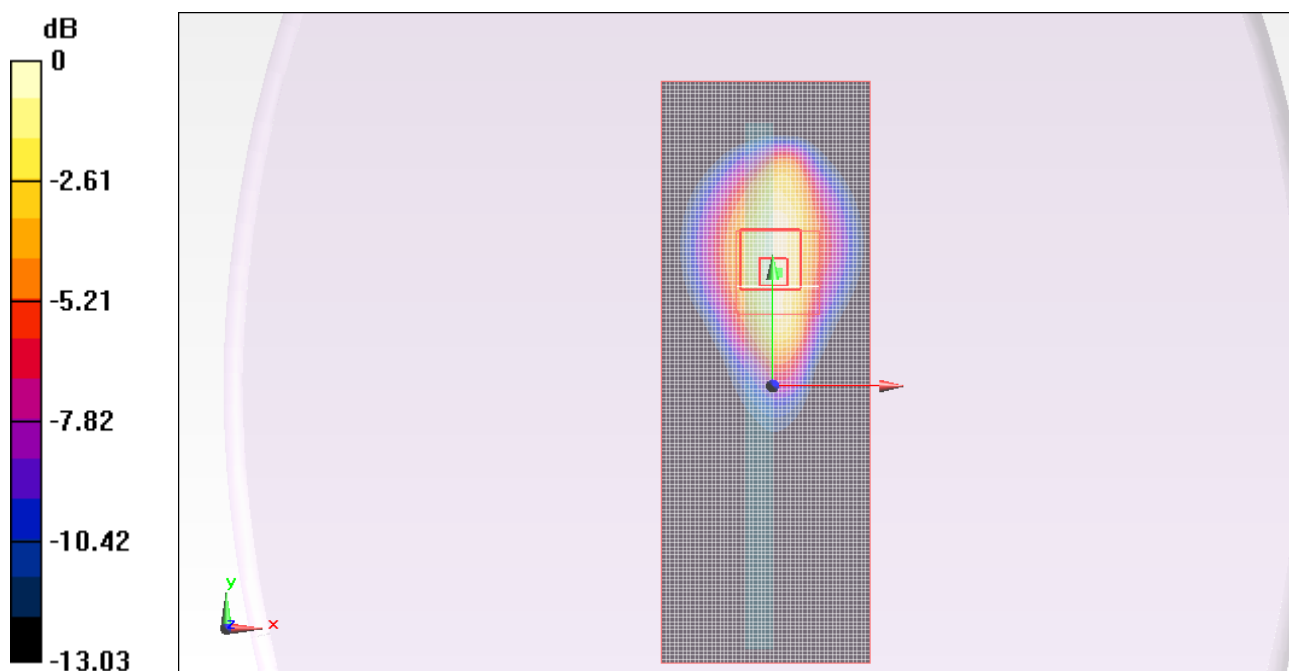
Reference Value = 28.710 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.563 W/kg

SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.426 mW/g

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

Maximum value of SAR (measured) = 1.003 mW/g



0 dB = 1.000mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 58.19$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_L ch_QPSK_RB1_RB49/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.986 mW/g

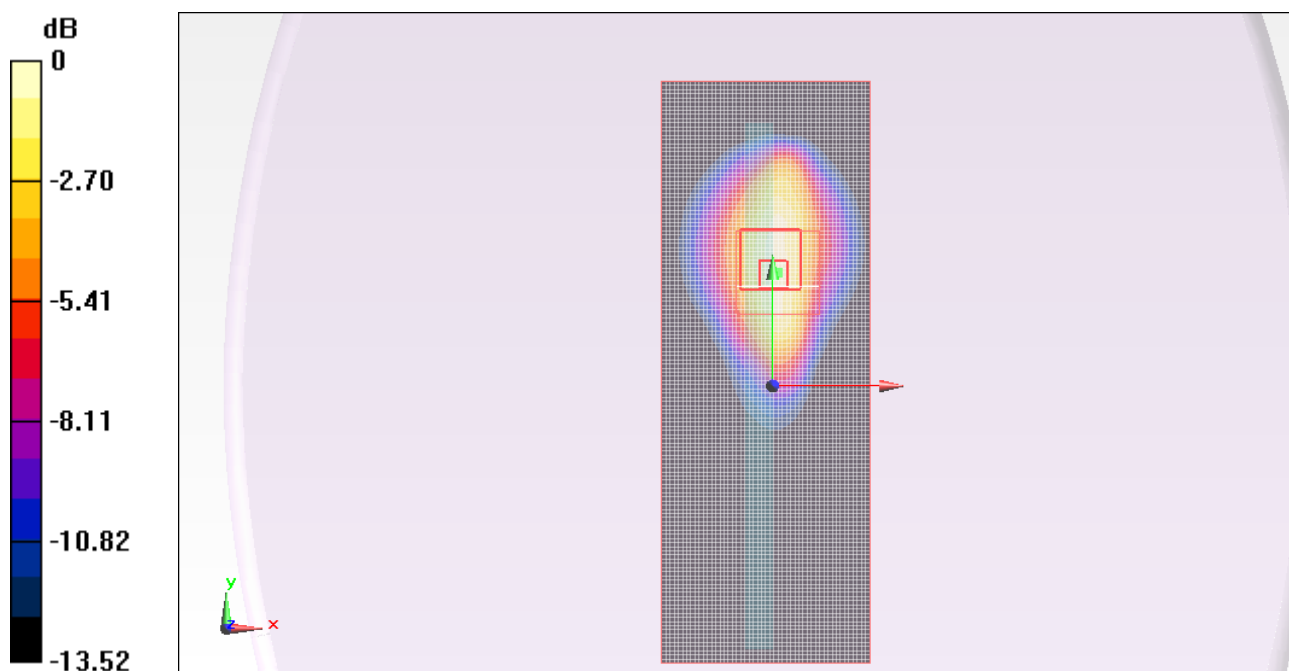
Top Edge/10MHz_L ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 29.387 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.693 W/kg

SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.444 mW/gInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.070 mW/g



0 dB = 1.070mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 58.19$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_L ch_16QAM_RB25_RB12/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.990 mW/g

Top Edge/10MHz_L ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

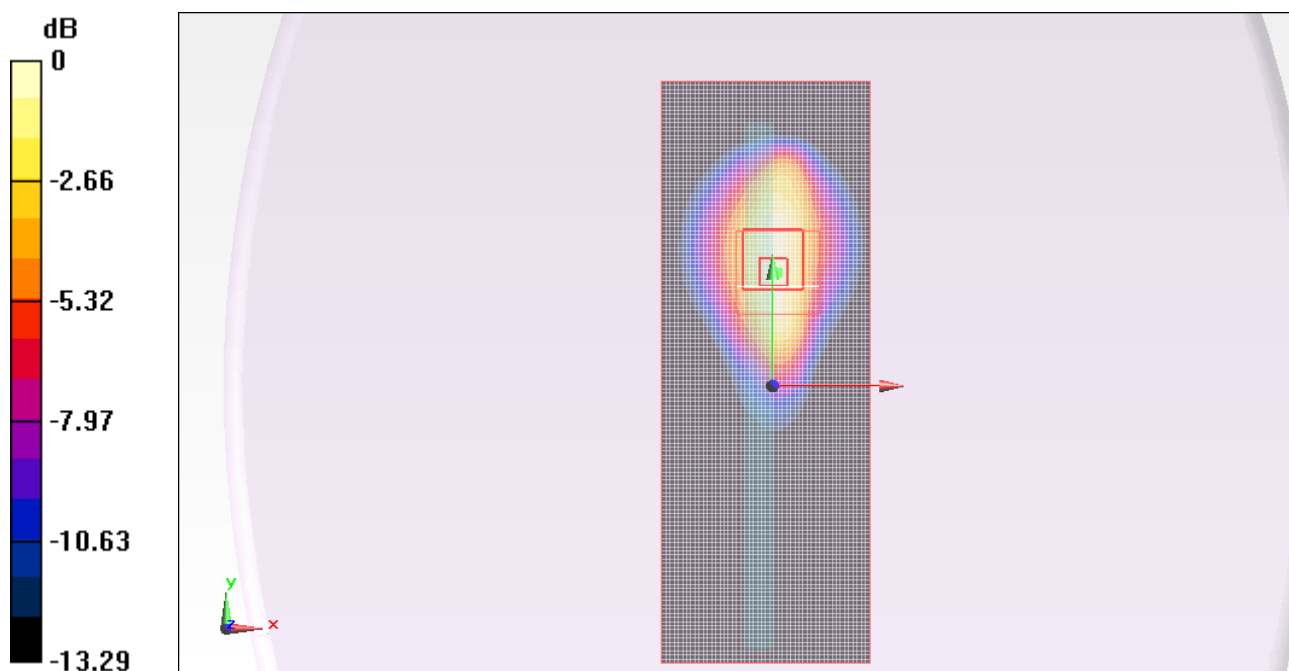
dx=5mm, dy=5mm, dz=3mm

Reference Value = 29.381 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.677 W/kg

SAR(1 g) = 0.777 mW/g; SAR(10 g) = 0.444 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.062 mW/g



0 dB = 1.060mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 58.19$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_L ch_16QAM_RB1_RB0/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.929 mW/g

Top Edge/10MHz_L ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

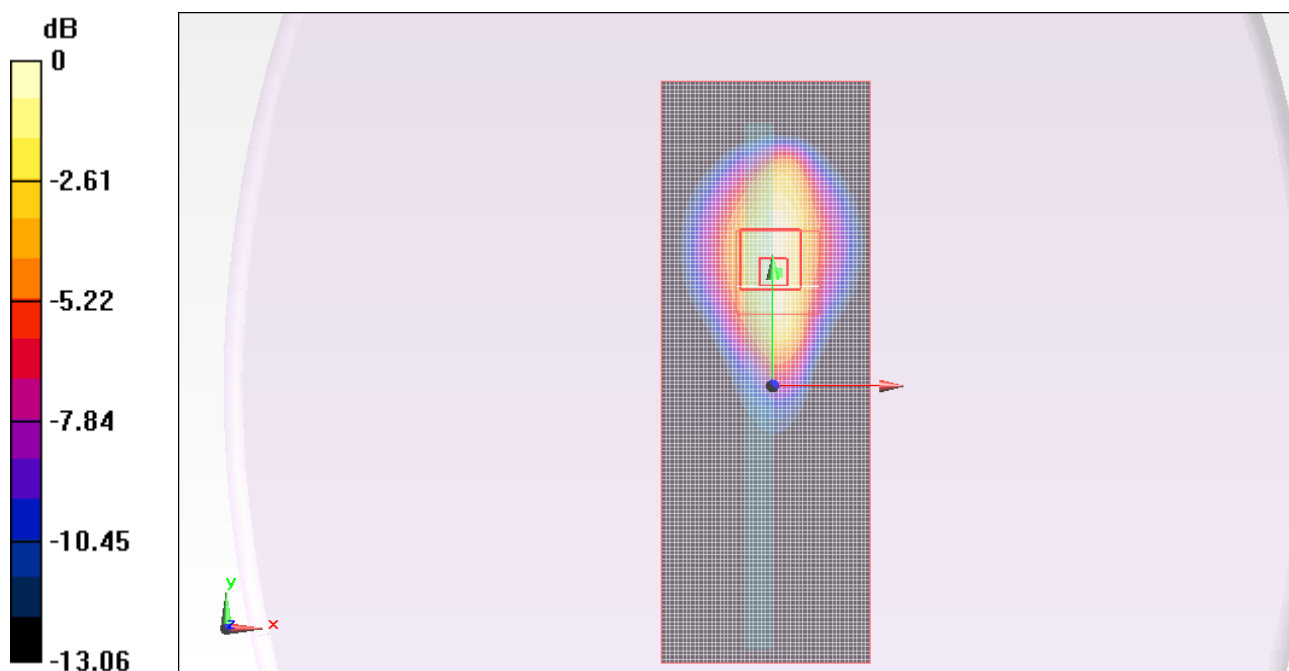
Reference Value = 28.662 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.534 W/kg

SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.422 mW/g

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

Maximum value of SAR (measured) = 0.988 mW/g



0 dB = 0.990mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 58.19$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_L ch_16QAM_RB1_RB49/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.973 mW/g

Top Edge/10MHz_L ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

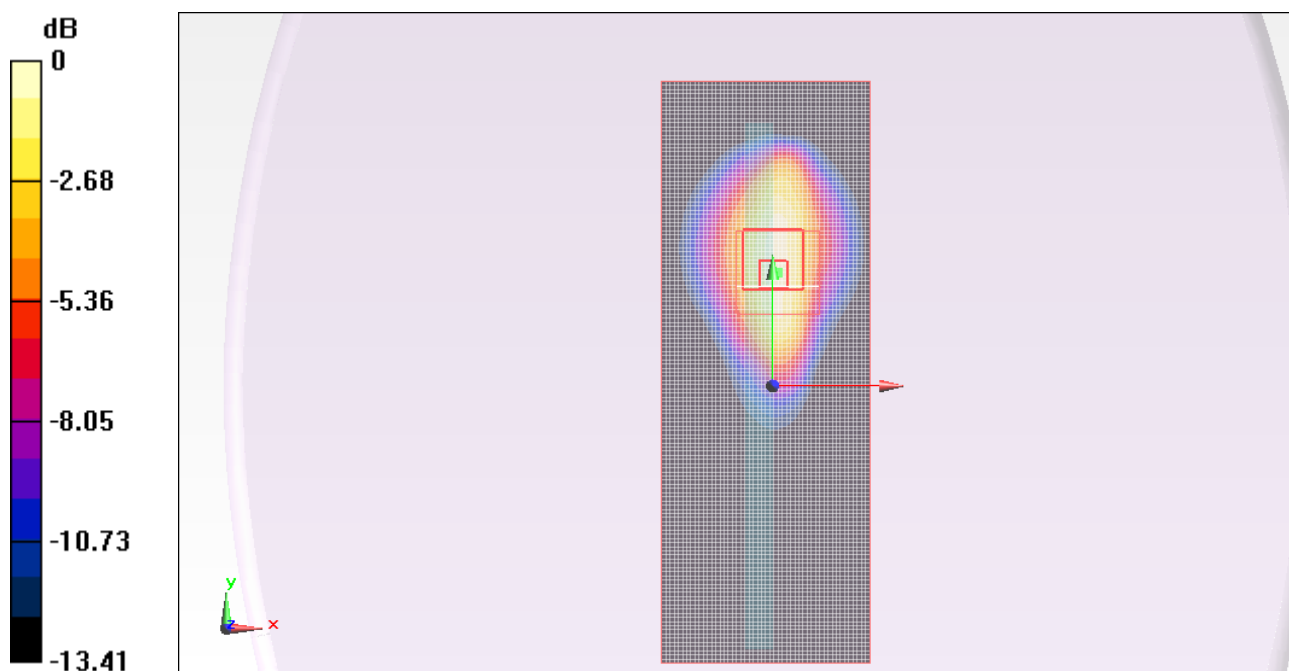
Reference Value = 29.634 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.661 W/kg

SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.436 mW/g

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

Maximum value of SAR (measured) = 1.047 mW/g



0 dB = 1.050mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 57.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_M ch_QPSK_RB25_RB12/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.976 mW/g

Top Edge/10MHz_M ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

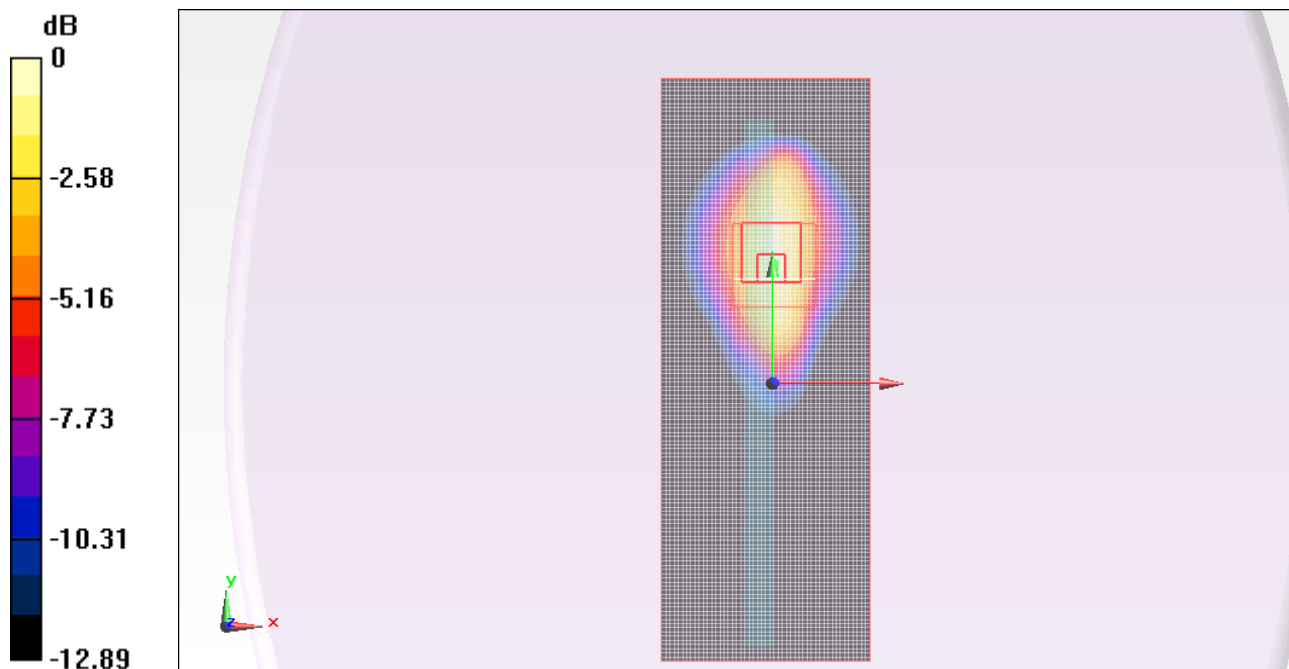
dx=5mm, dy=5mm, dz=3mm

Reference Value = 30.394 V/m; Power Drift = 0.0056 dB

Peak SAR (extrapolated) = 1.703 W/kg

SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.459 mW/g

Maximum value of SAR (measured) = 1.113 mW/g



0 dB = 1.110mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 57.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

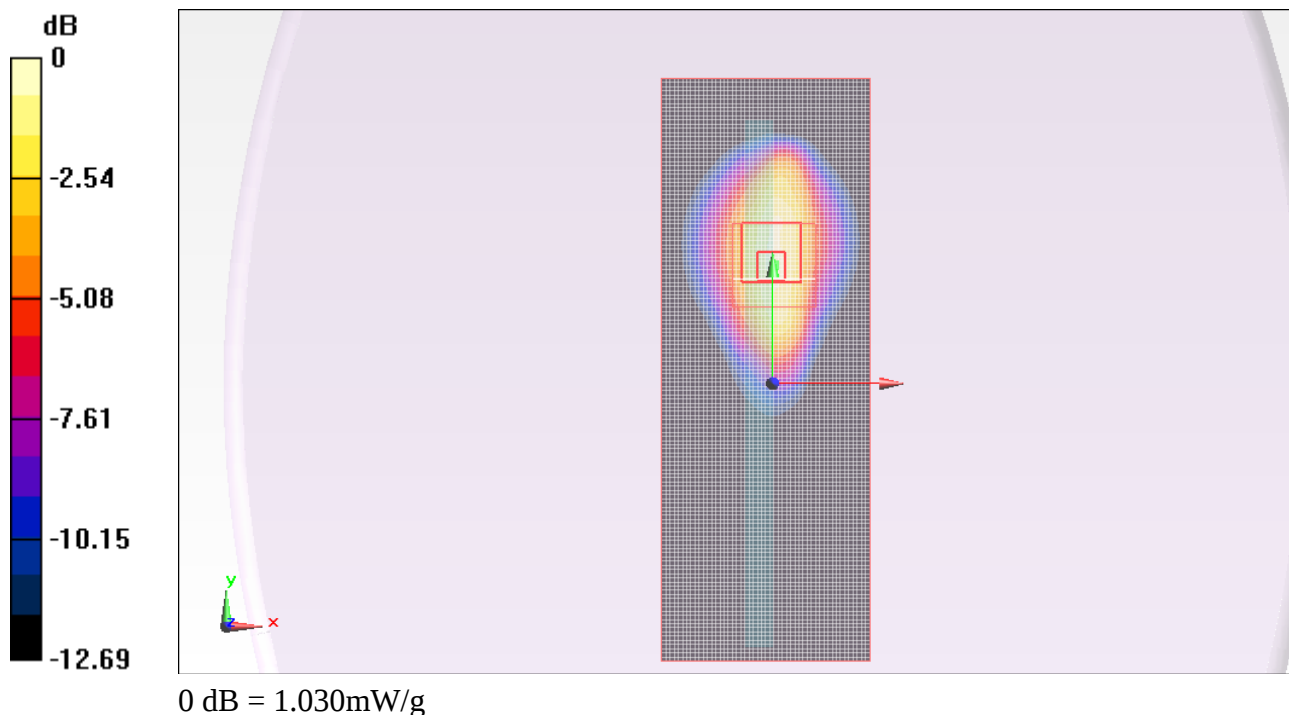
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_M ch_QPSK_RB1_RB0/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.906 mW/g

Top Edge/10MHz_M ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 29.142 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.558 W/kg
SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.430 mW/g
Maximum value of SAR (measured) = 1.028 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 57.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

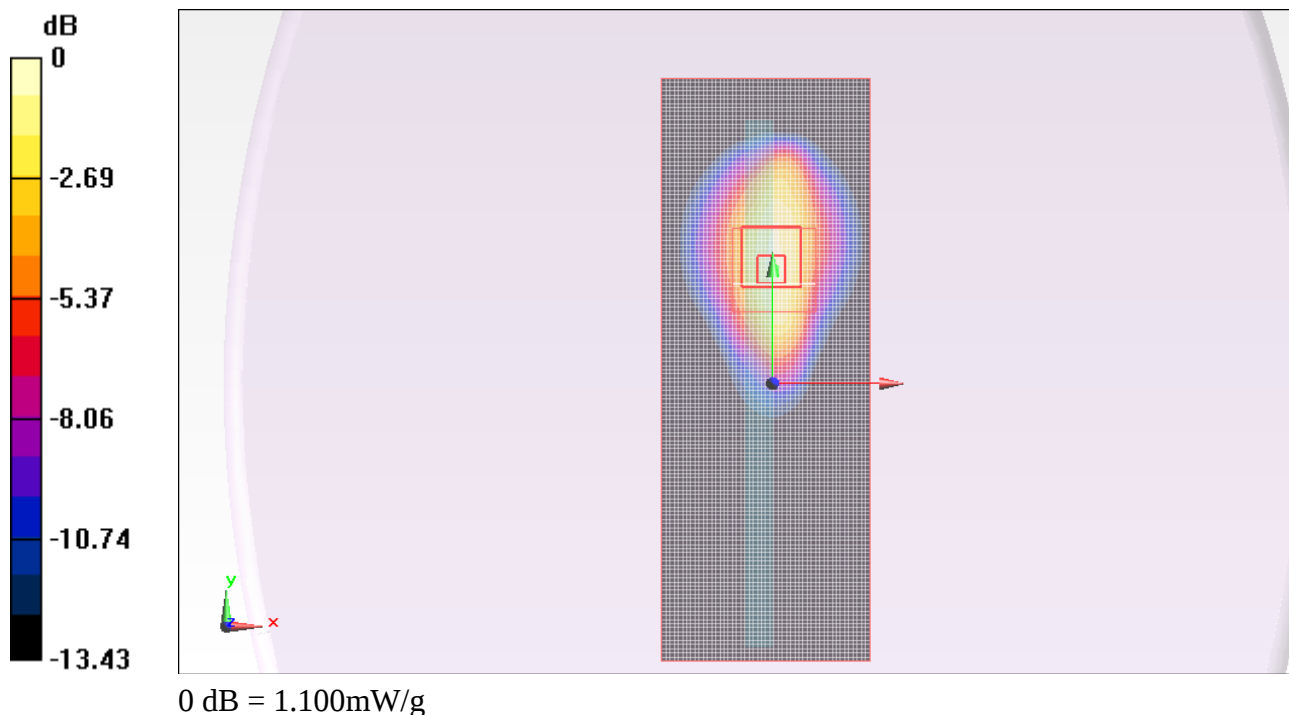
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_M ch_QPSK_RB1_RB49/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.960 mW/g

Top Edge/10MHz_M ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 29.711 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.678 W/kg
SAR(1 g) = 0.782 mW/g; SAR(10 g) = 0.446 mW/g
Maximum value of SAR (measured) = 1.101 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 57.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_M ch_16QAM_RB25_RB12/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.971 mW/g

Top Edge/10MHz_M ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

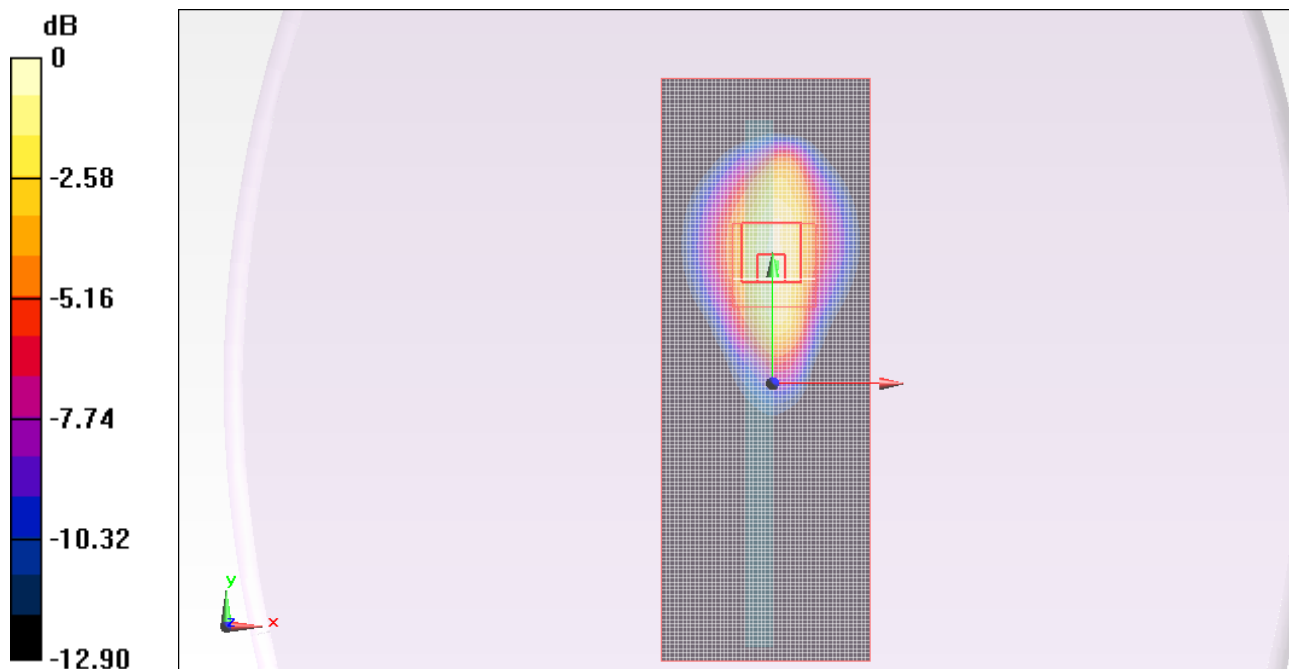
dx=5mm, dy=5mm, dz=3mm

Reference Value = 30.089 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.684 W/kg

SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.455 mW/g

Maximum value of SAR (measured) = 1.101 mW/g



0 dB = 1.100mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 57.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

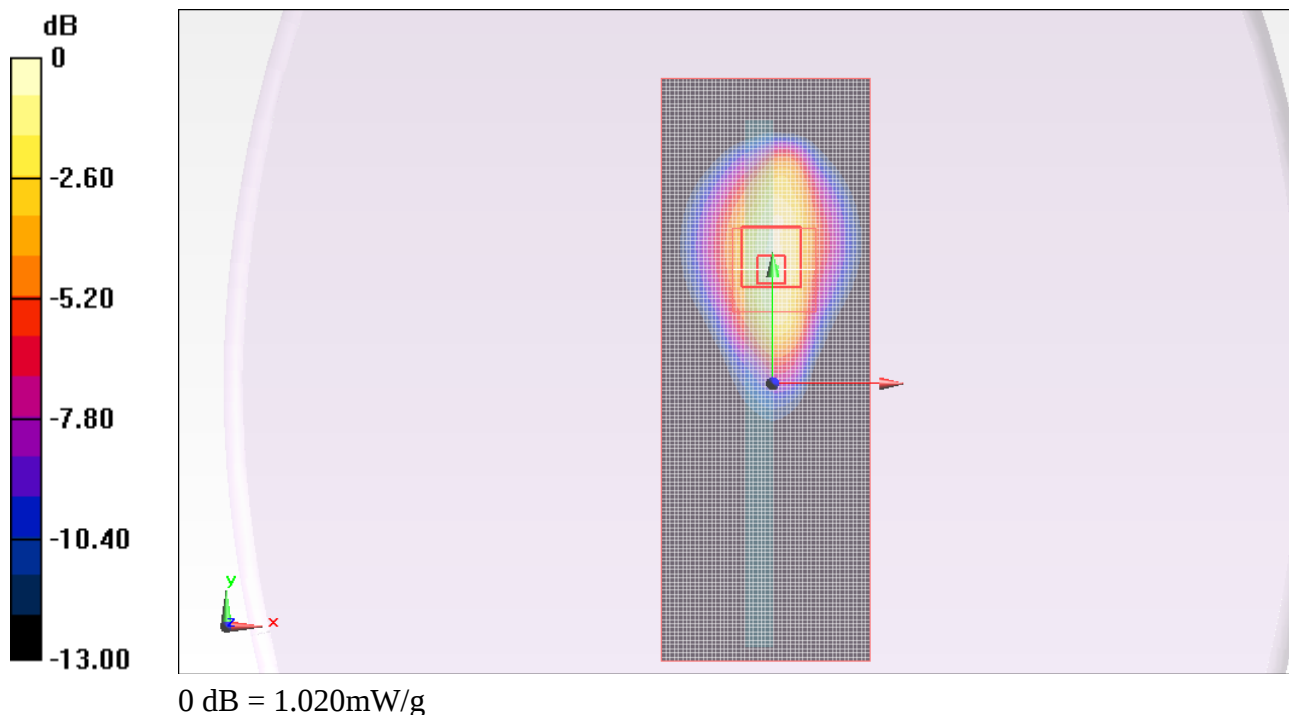
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_M ch_16QAM_RB1_RB0/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.901 mW/g

Top Edge/10MHz_M ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
 Reference Value = 29.025 V/m; Power Drift = 0.10 dB
 Peak SAR (extrapolated) = 1.547 W/kg
SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.425 mW/g
 Maximum value of SAR (measured) = 1.021 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 57.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_M ch_16QAM_RB1_RB49/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.930 mW/g

Top Edge/10MHz_M ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

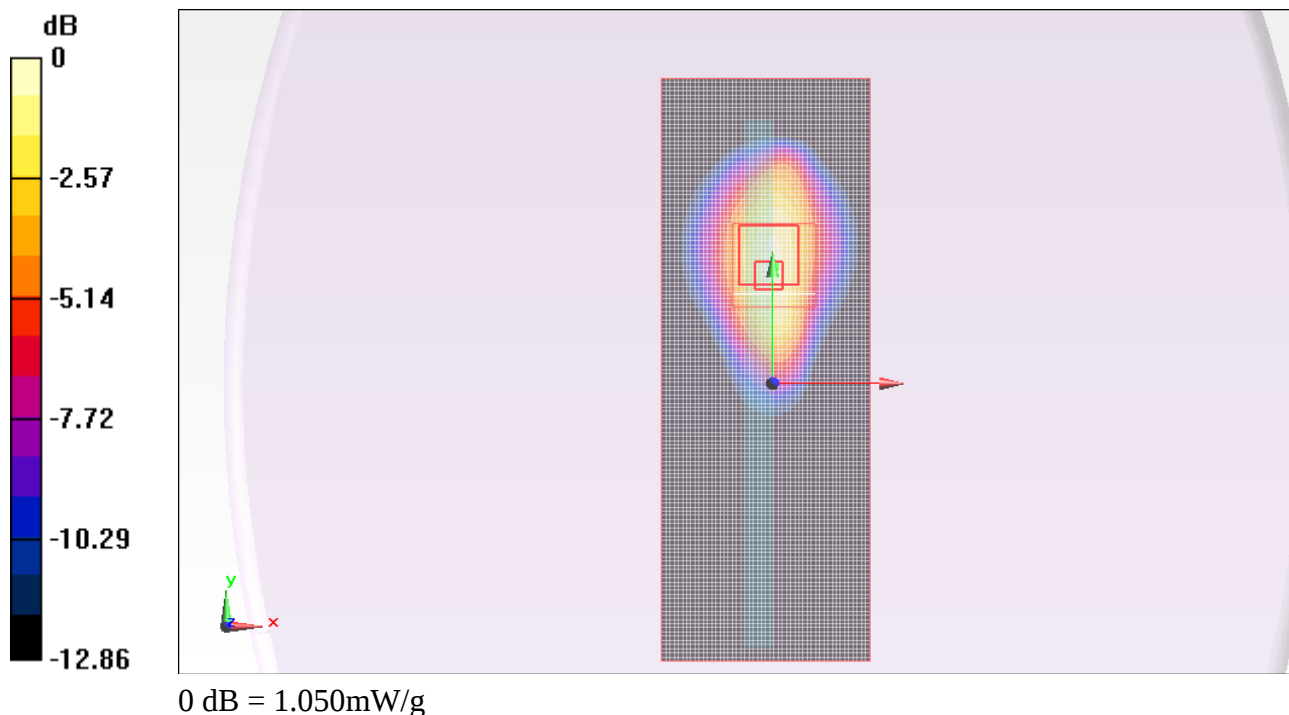
dx=5mm, dy=5mm, dz=3mm

Reference Value = 28.583 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.652 W/kg

SAR(1 g) = 0.755 mW/g; SAR(10 g) = 0.432 mW/g

Maximum value of SAR (measured) = 1.048 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_H ch_QPSK_RB25_RB12/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.996 mW/g

Top Edge/10MHz_H ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

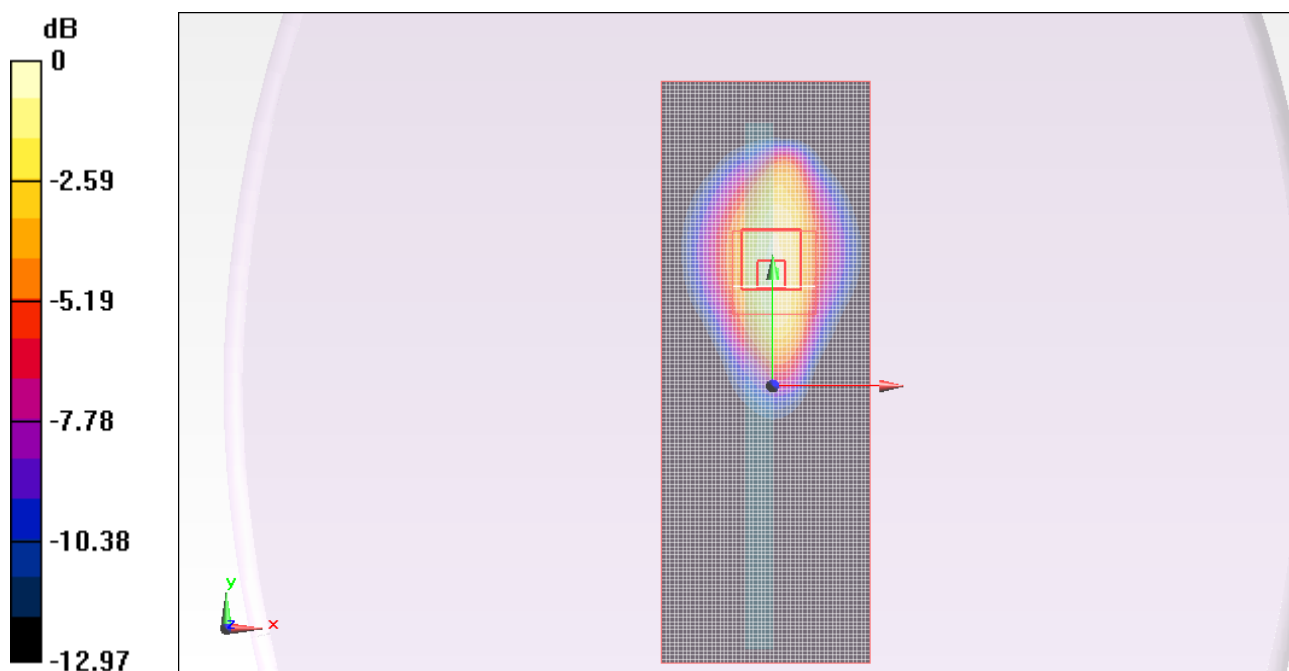
Reference Value = 29.392 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.707 W/kg

SAR(1 g) = 0.805 mW/g; SAR(10 g) = 0.465 mW/g

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

Maximum value of SAR (measured) = 1.126 mW/g



0 dB = 1.130mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_H ch_QPSK_RB1_RB0/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.933 mW/g

Top Edge/10MHz_H ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

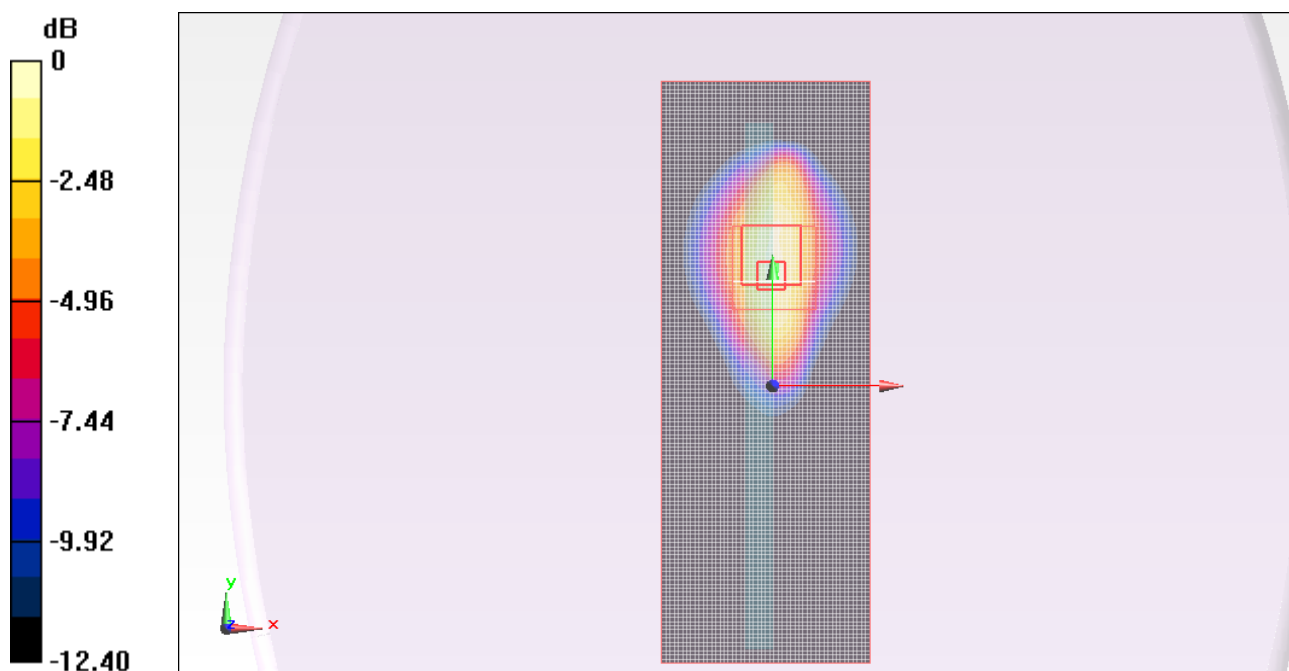
Reference Value = 29.152 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.595 W/kg

SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.438 mW/g

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

Maximum value of SAR (measured) = 1.048 mW/g



0 dB = 1.050mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_H ch_QPSK_RB1_RB49/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.980 mW/g

Top Edge/10MHz_H ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

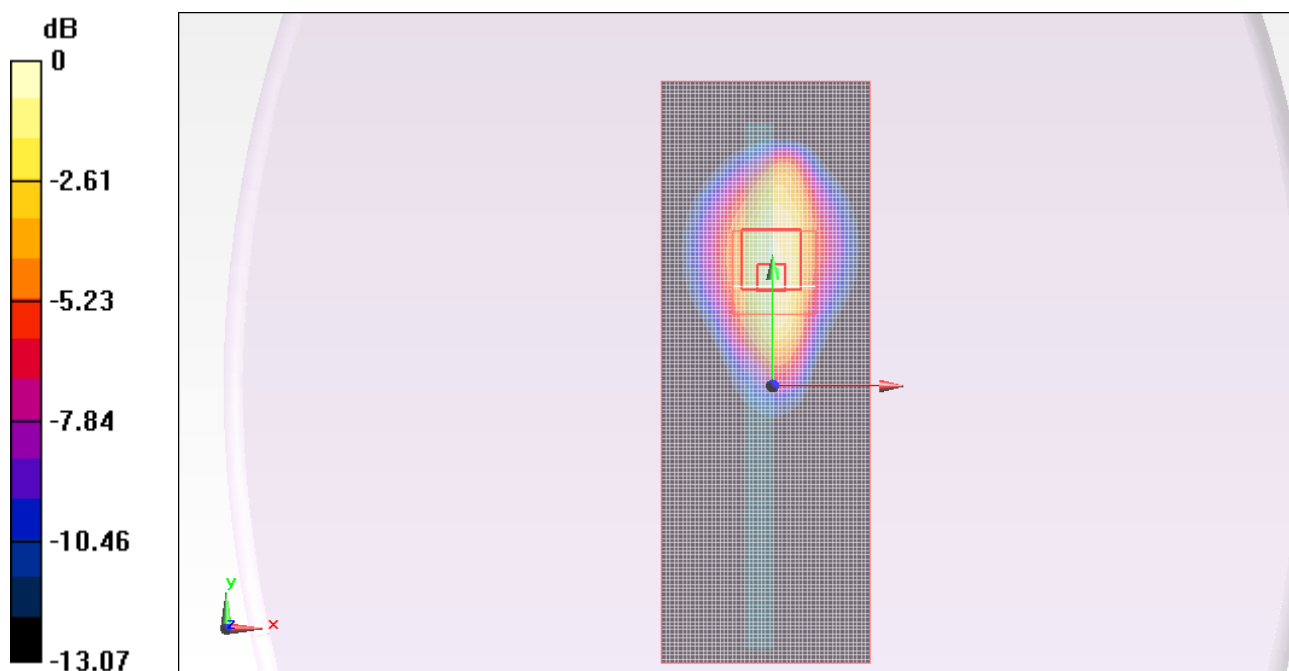
Reference Value = 29.141 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.696 W/kg

SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.450 mW/g

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

Maximum value of SAR (measured) = 1.109 mW/g



0 dB = 1.110mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_H ch_16QAM_RB25_RB12/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.001 mW/g

Top Edge/10MHz_H ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

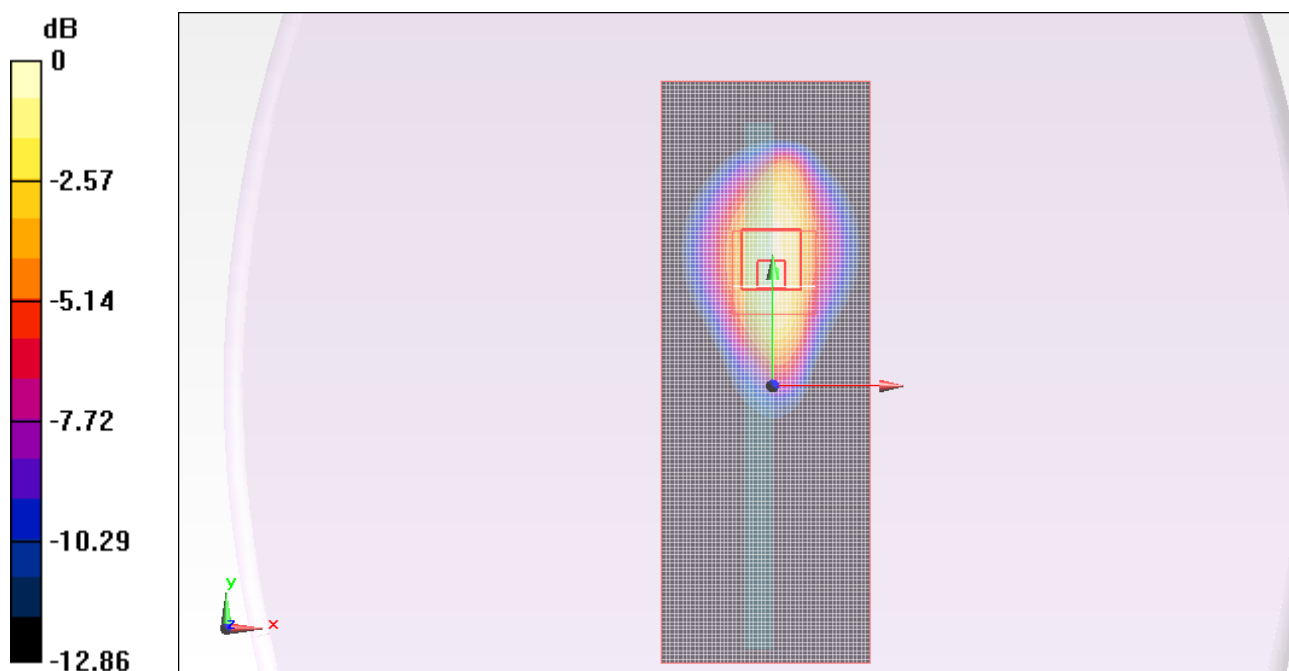
Reference Value = 29.995 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.714 W/kg

SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.459 mW/g

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

Maximum value of SAR (measured) = 1.108 mW/g



0 dB = 1.110mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_H ch_16QAM_RB1_RB0/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.940 mW/g

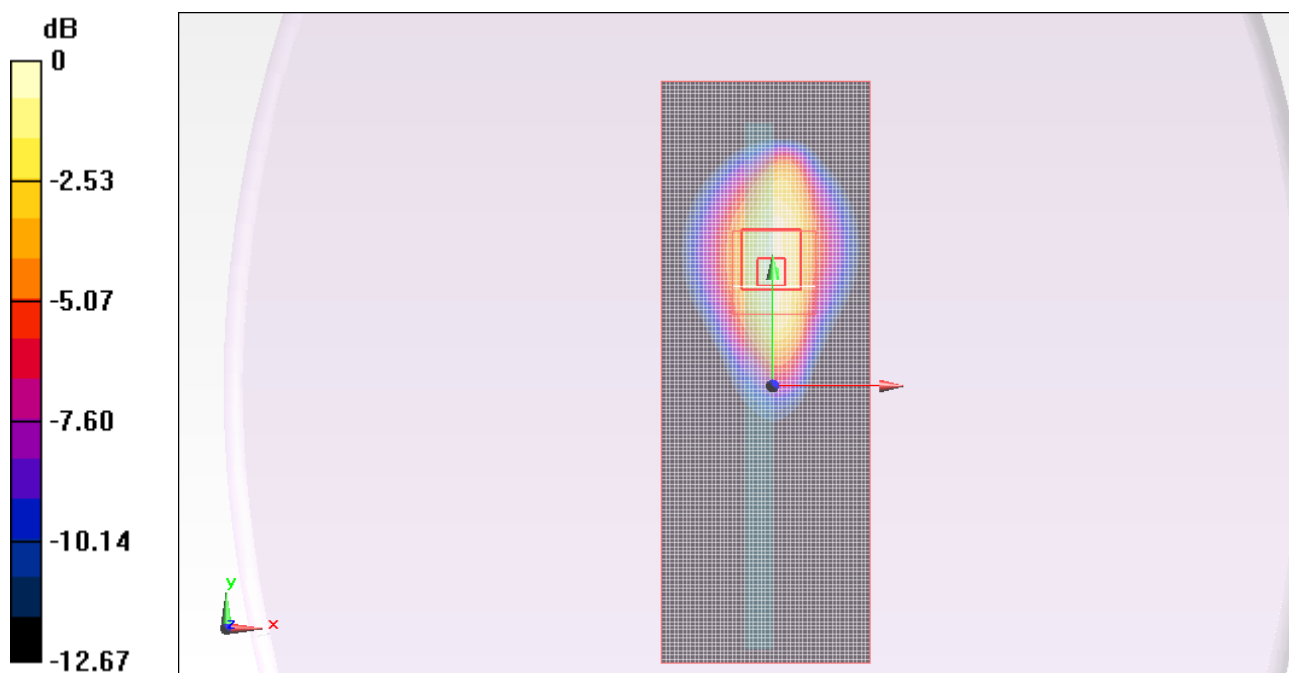
Top Edge/10MHz_H ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 28.594 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.542 W/kg

SAR(1 g) = 0.746 mW/g; SAR(10 g) = 0.435 mW/gInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.031 mW/g



0 dB = 1.030mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r = 57.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge/10MHz_H ch_16QAM_RB1_RB49/Area Scan (51x141x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.930 mW/g

Top Edge/10MHz_H ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

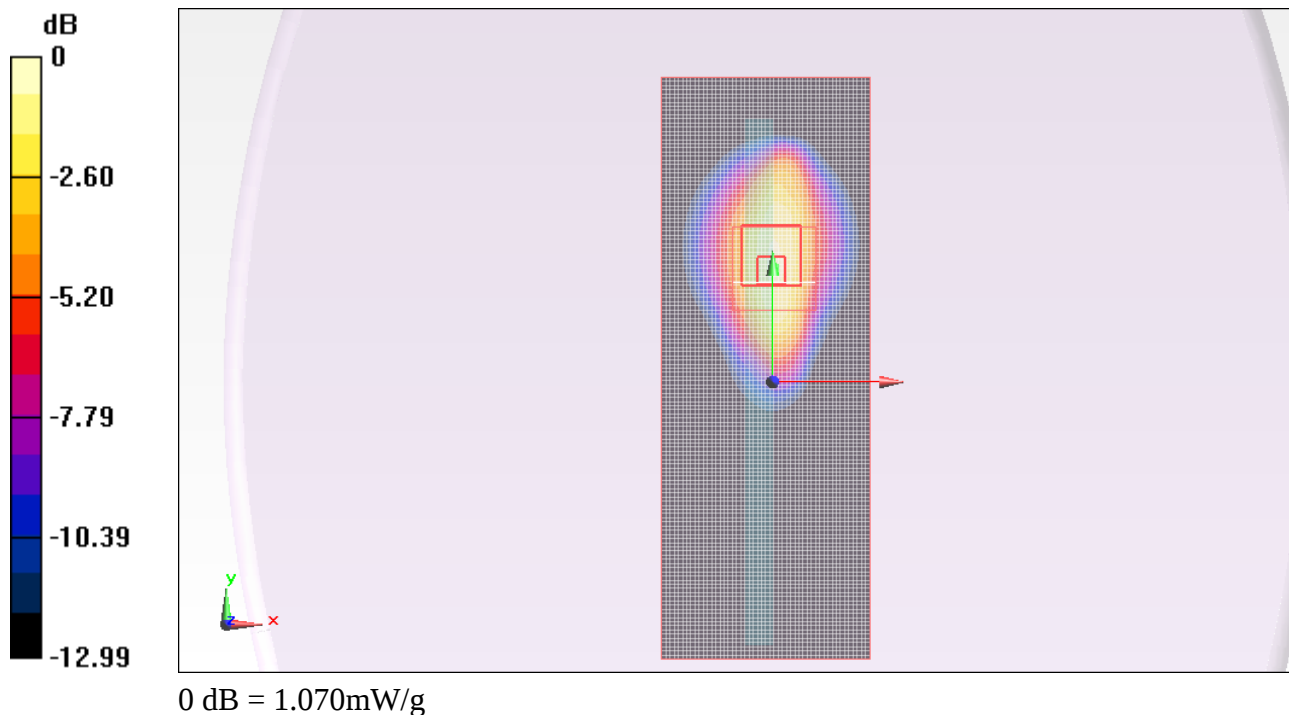
Reference Value = 29.897 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.613 W/kg

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.440 mW/g

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

Maximum value of SAR (measured) = 1.072 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Right Edge/10MHz_M ch_QPSK_RB25_RB12/Area Scan (51x191x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.161 mW/g

Right Edge/10MHz_M ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

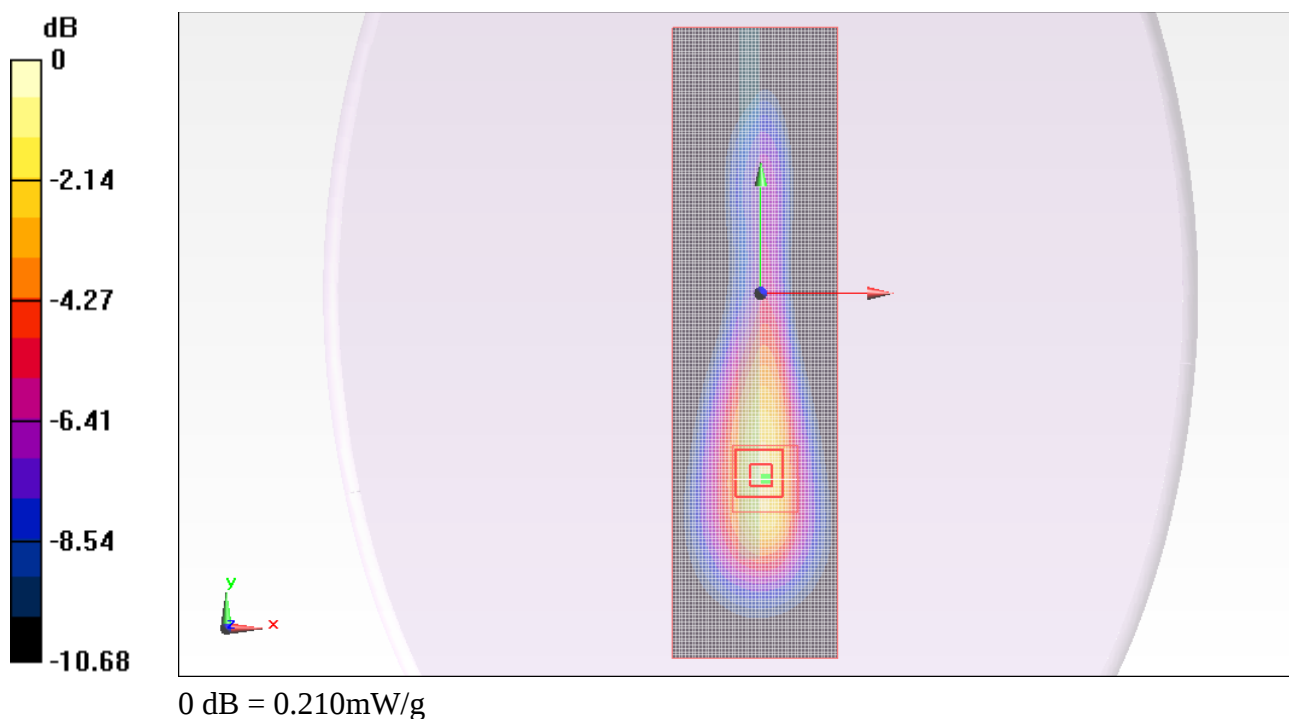
dx=5mm, dy=5mm, dz=3mm

Reference Value = 12.857 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.206 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

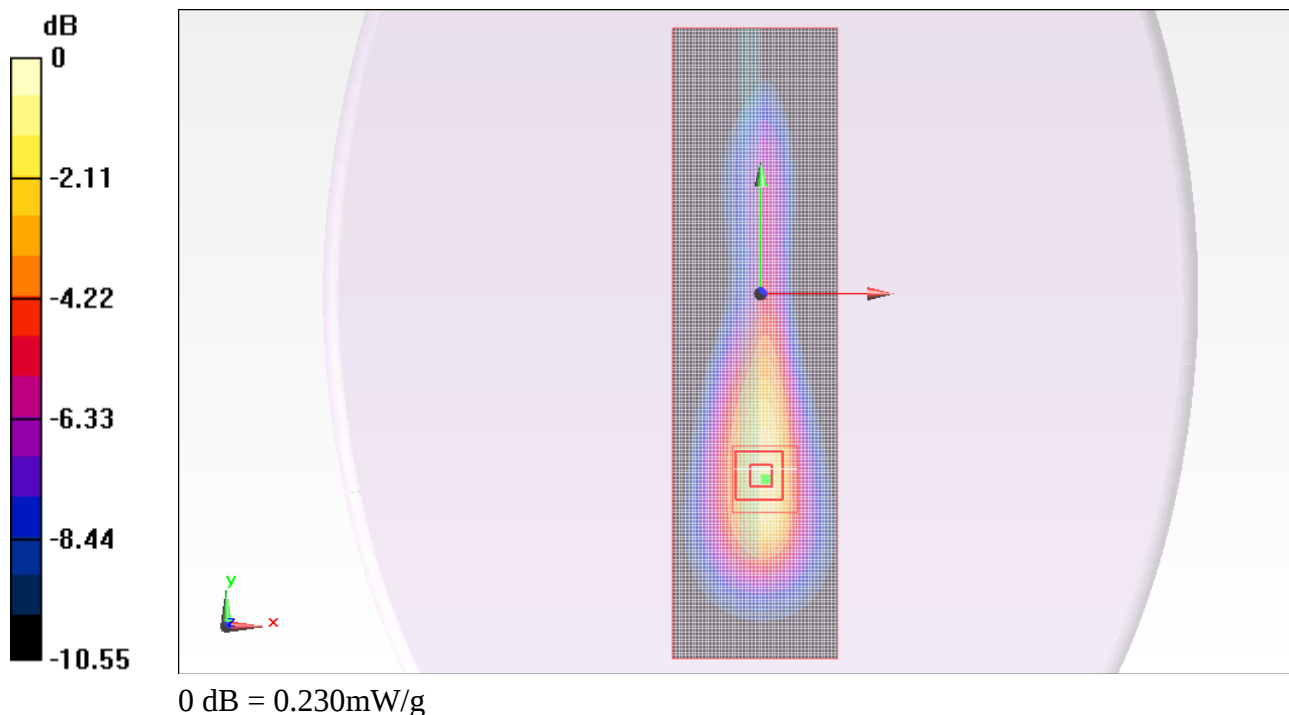
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Right Edge/10MHz_M ch_QPSK_RB1_RB0/Area Scan (51x191x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.190 mW/g

Right Edge/10MHz_M ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 13.687 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.229 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Right Edge/10MHz_M ch_QPSK_RB1_RB49/Area Scan (51x191x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.228 mW/g

Right Edge/10MHz_M ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

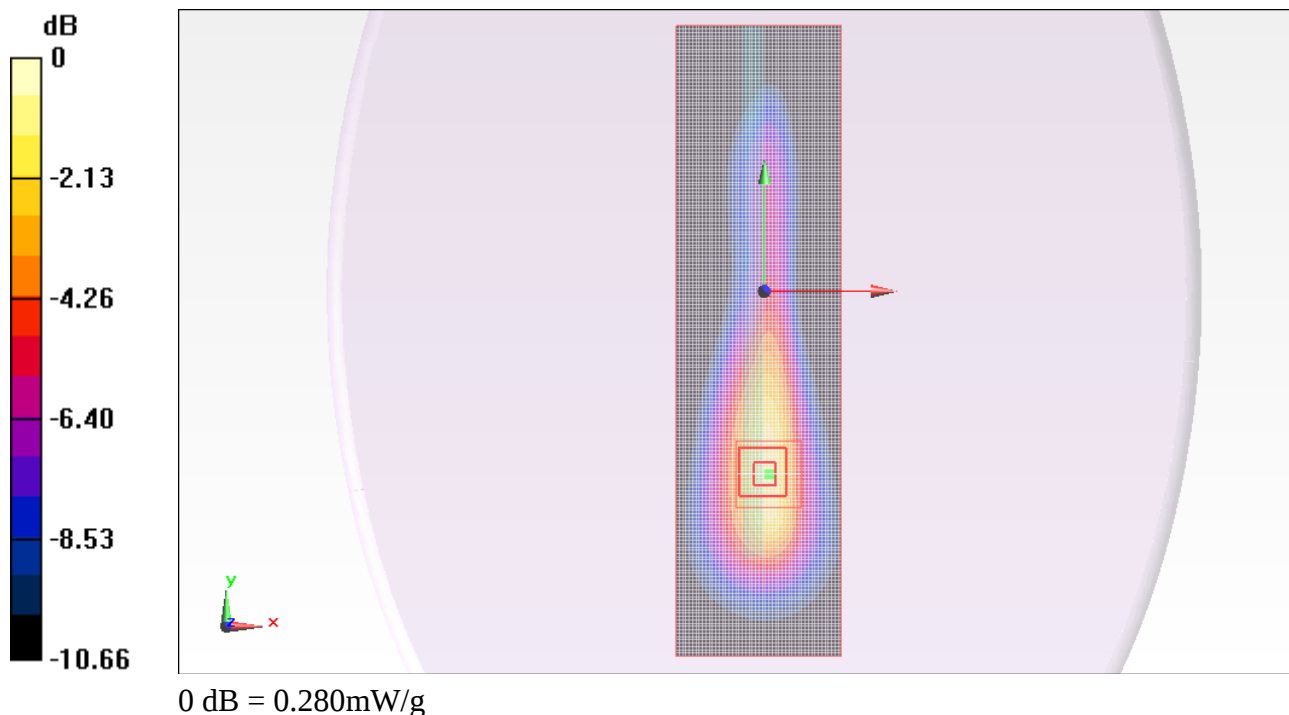
$dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 15.066 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 0.283 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Right Edge/10MHz_M ch_16QAM_RB25_RB12/Area Scan (51x191x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.130 mW/g

Right Edge/10MHz_M ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0: Measurement

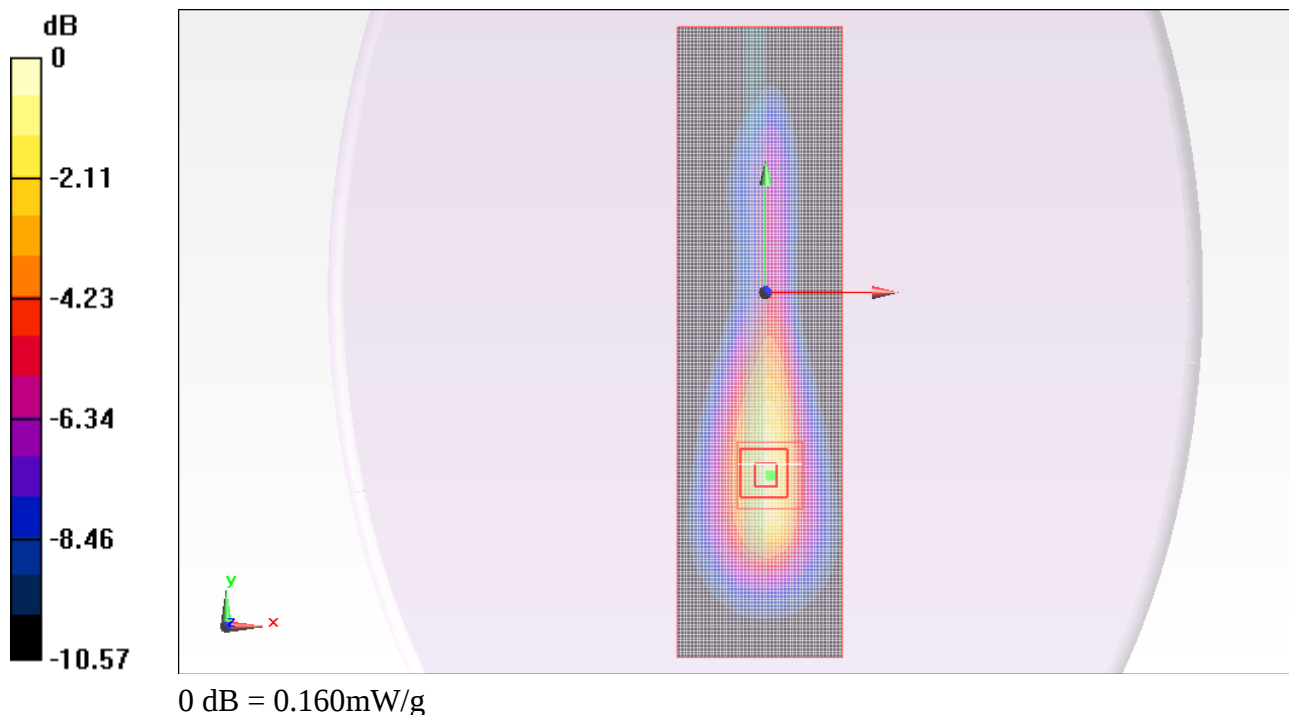
grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 11.286 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.065 mW/g

Maximum value of SAR (measured) = 0.158 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Right Edge/10MHz_M ch_16QAM_RB1_RB0/Area Scan (51x191x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.142 mW/g

Right Edge/10MHz_M ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

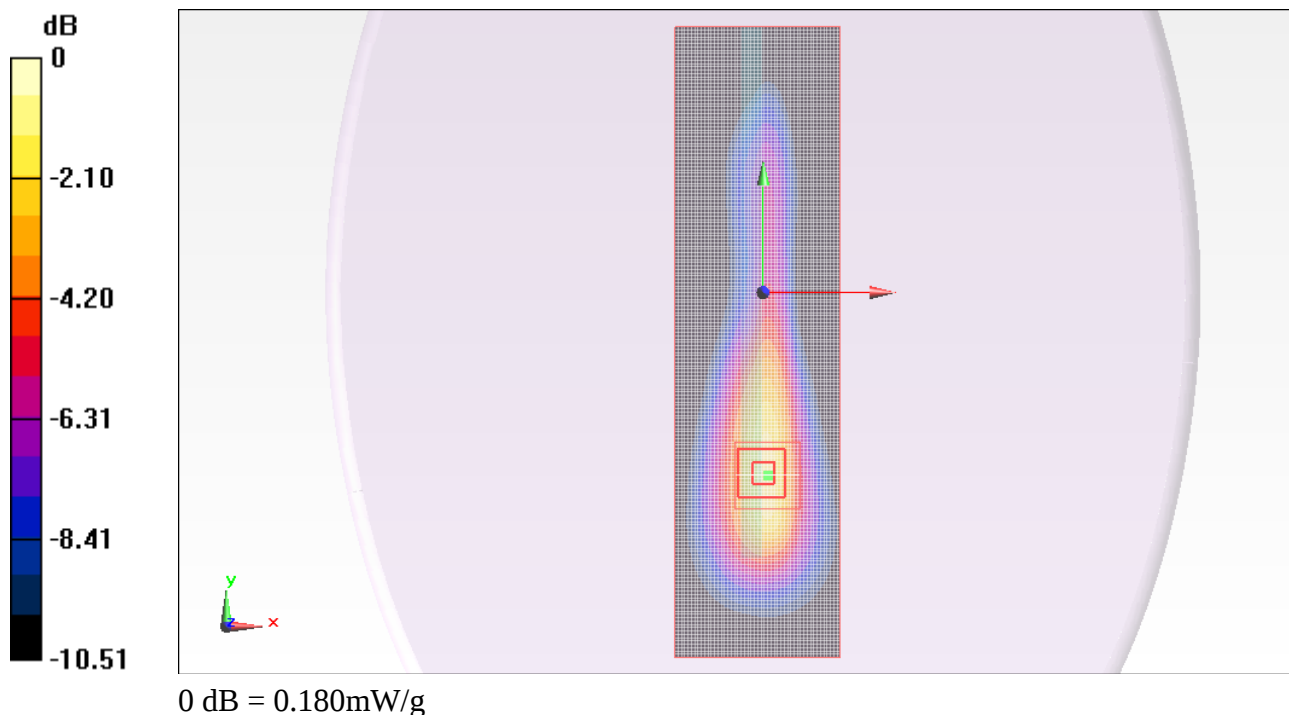
$dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 11.946 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.177 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Right Edge/10MHz_M ch_16QAM_RB1_RB49/Area Scan (51x191x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.177 mW/g

Right Edge/10MHz_M ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

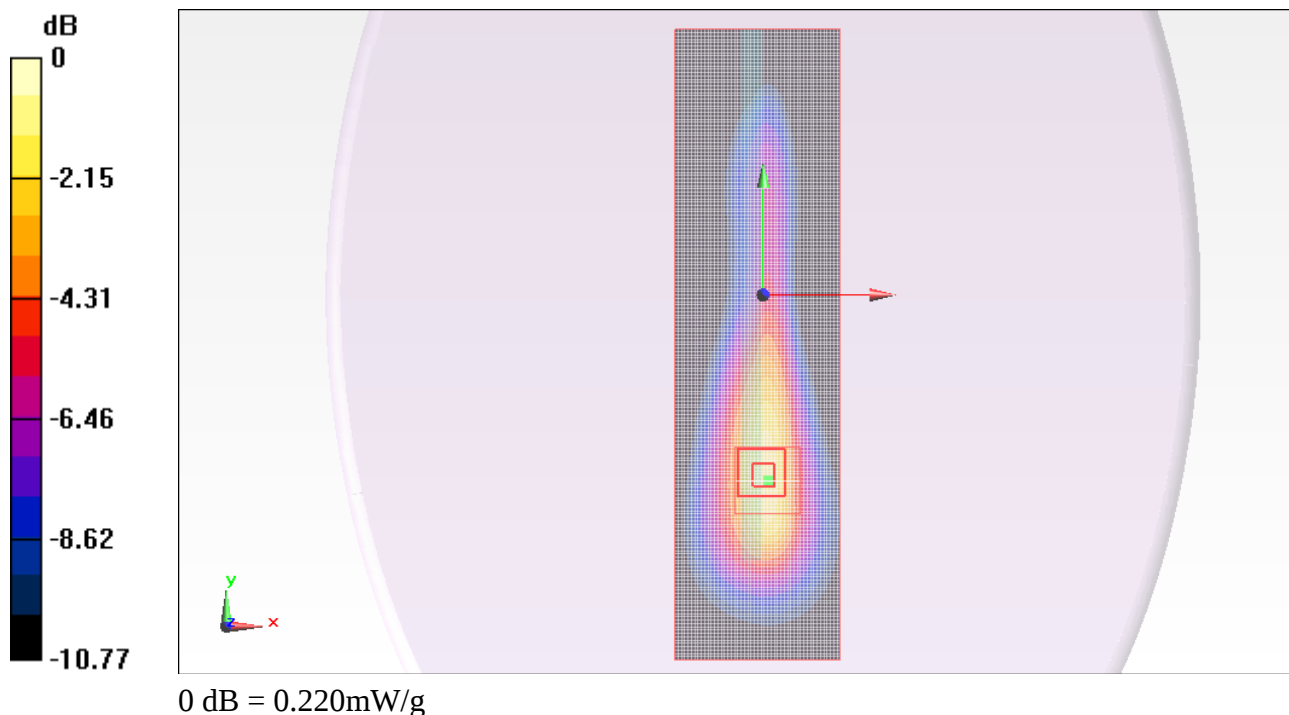
dx=5mm, dy=5mm, dz=3mm

Reference Value = 13.239 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.340 W/kg

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.218 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear_w/ 11mm/10Mhz_M-Ch_QPSK_RB25_RB12/Area Scan (91x71x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.359 mW/g

Rear_w/ 11mm/10Mhz_M-Ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0:

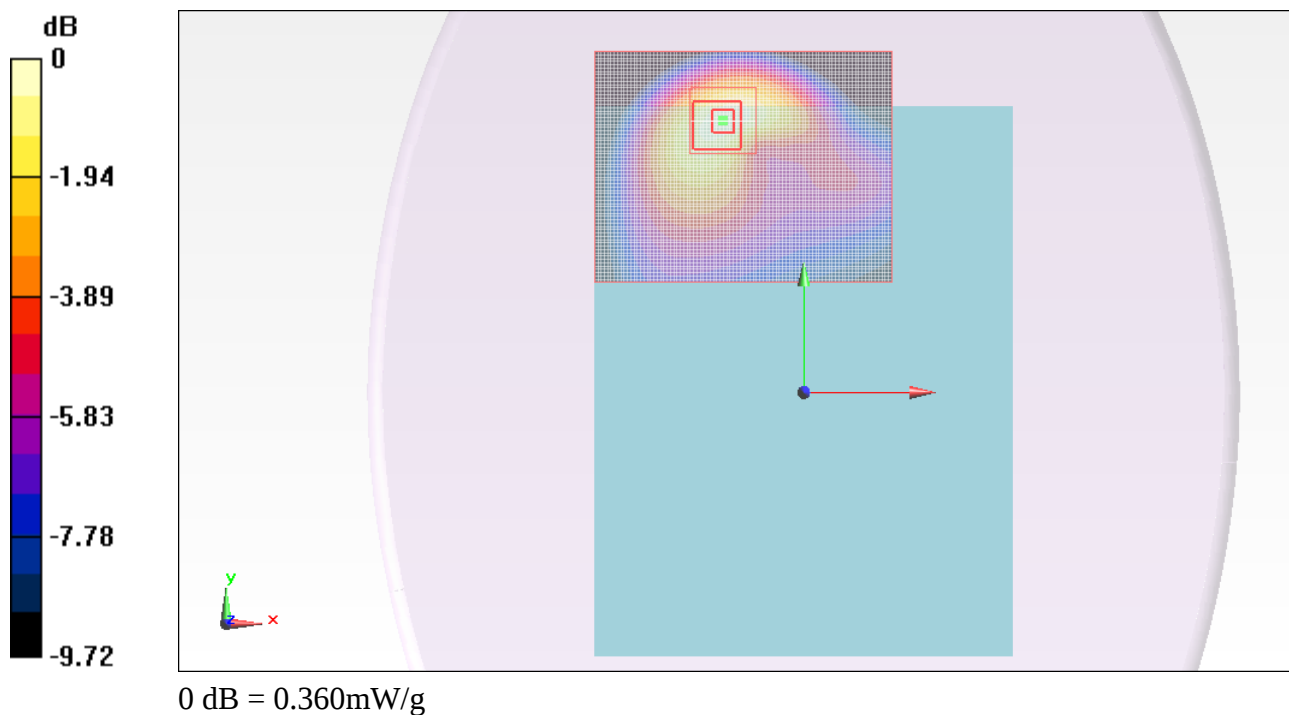
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 19.770 V/m; Power Drift = 0.0047 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.186 mW/g

Maximum value of SAR (measured) = 0.355 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear_w/ 11mm/10MHz_M-Ch_QPSK_RB1_RB0/Area Scan (91x71x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.428 mW/g

Rear_w/ 11mm/10MHz_M-Ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement

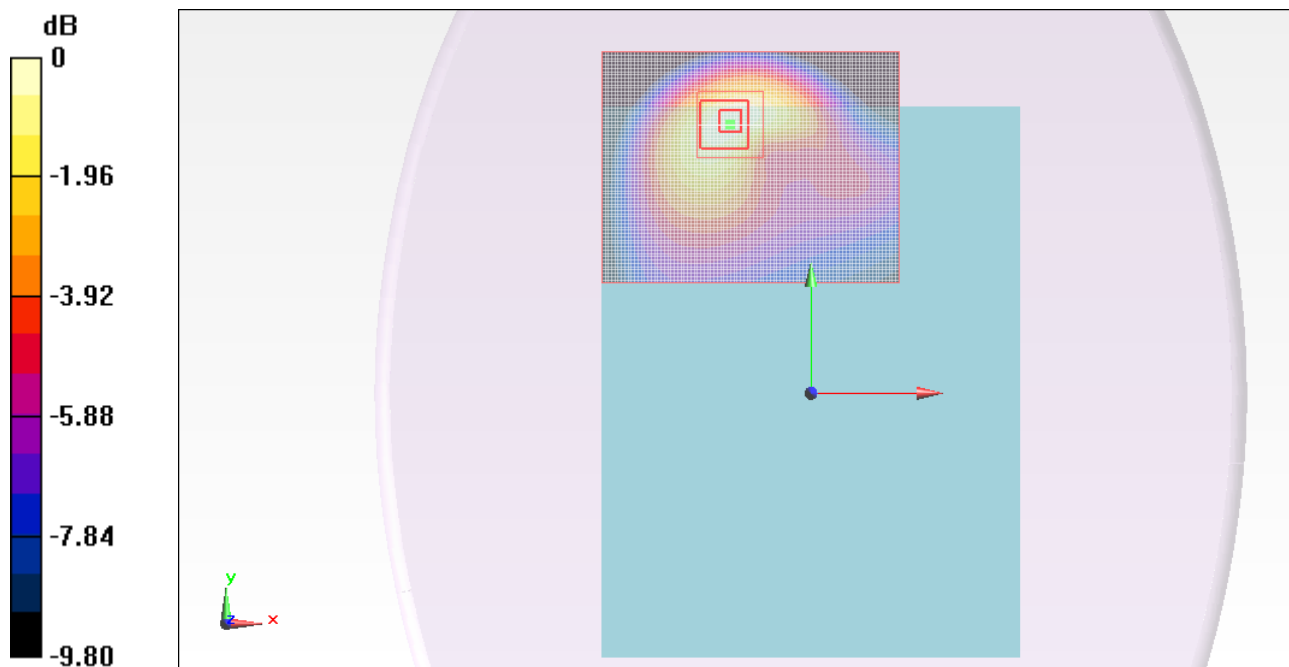
grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 21.687 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.534 W/kg

SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.421 mW/g



0 dB = 0.420mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear_w/ 11mm/10MHz_M-Ch_QPSK_RB1_RB49/Area Scan (91x71x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.478 mW/g

Rear_w/ 11mm/10MHz_M-Ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0: Measurement

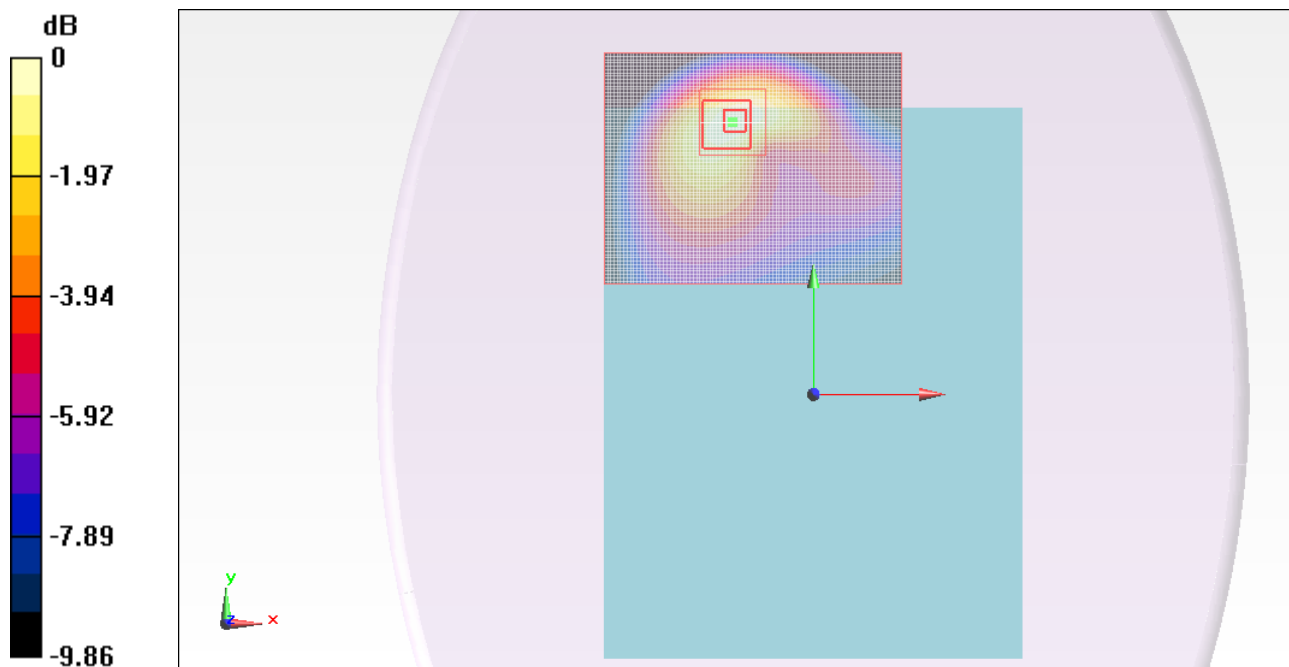
grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 22.875 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.247 mW/g

Maximum value of SAR (measured) = 0.471 mW/g



0 dB = 0.470mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear_w/ 11mm/10MHz_M-Ch_16QAM_RB25_RB12/Area Scan (91x71x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.286 mW/g

Rear_w/ 11mm/10MHz_M-Ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0:

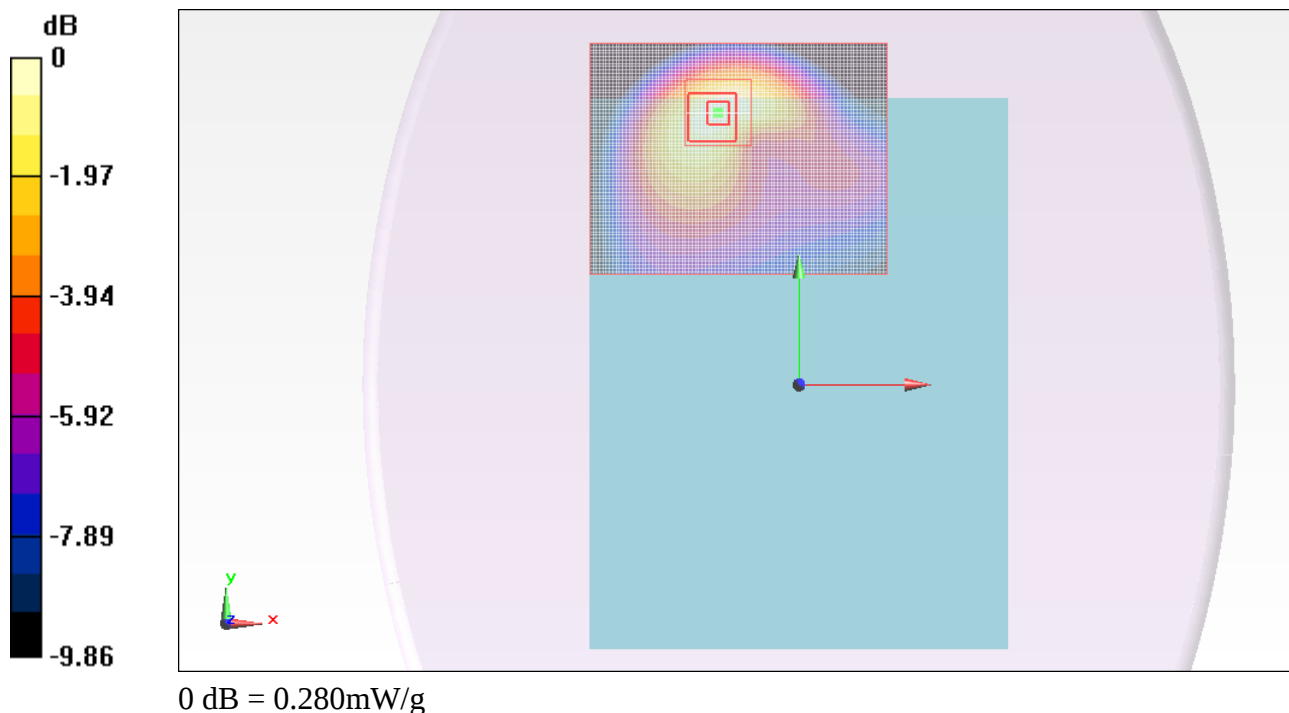
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 17.651 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.283 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.921 \text{ mho/m}$; $\epsilon_r = 58.243$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear_w/ 11mm/10MHz_M-Ch_16QAM_RB1_RB0/Area Scan (91x71x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.329 mW/g

Rear_w/ 11mm/10MHz_M-Ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0: Measurement

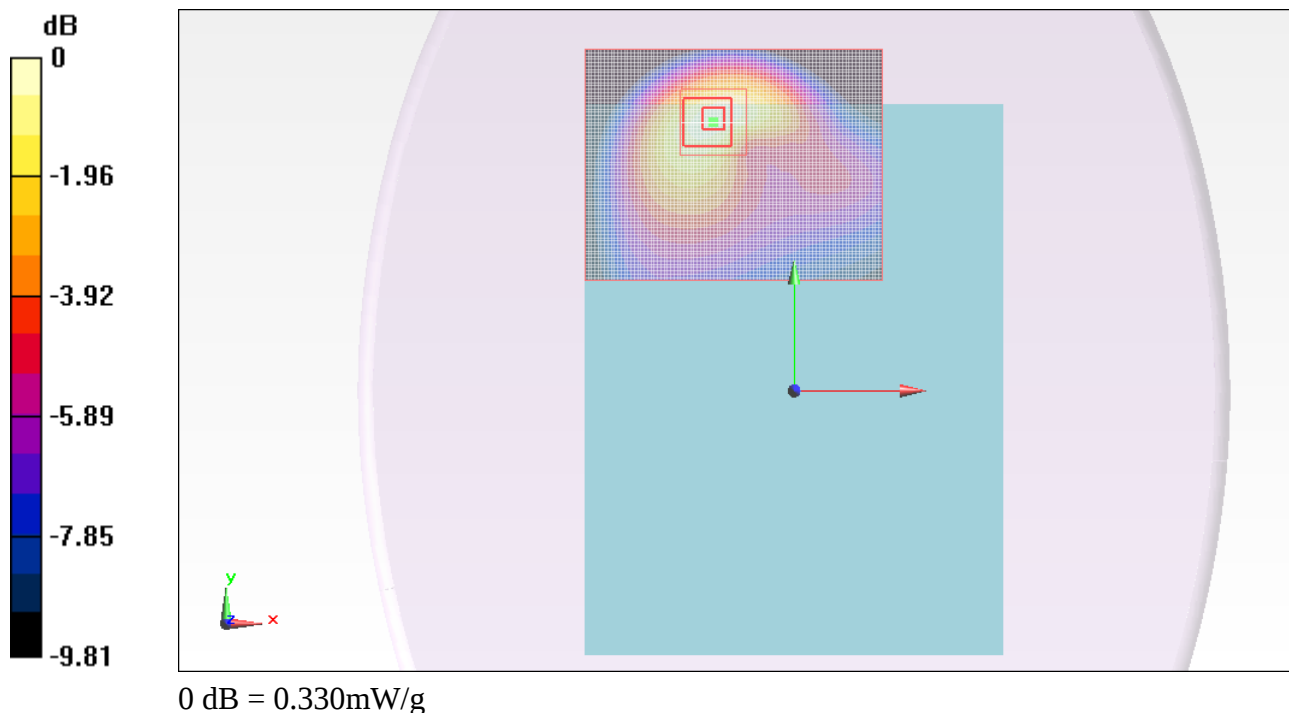
grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 18.991 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.413 W/kg

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.172 mW/g

Maximum value of SAR (measured) = 0.326 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 58.272$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear_w/ 11mm/10MHz_M-Ch_16QAM_RB1_RB49/Area Scan (141x201x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.368 mW/g

Rear_w/ 11mm/10MHz_M-Ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0:

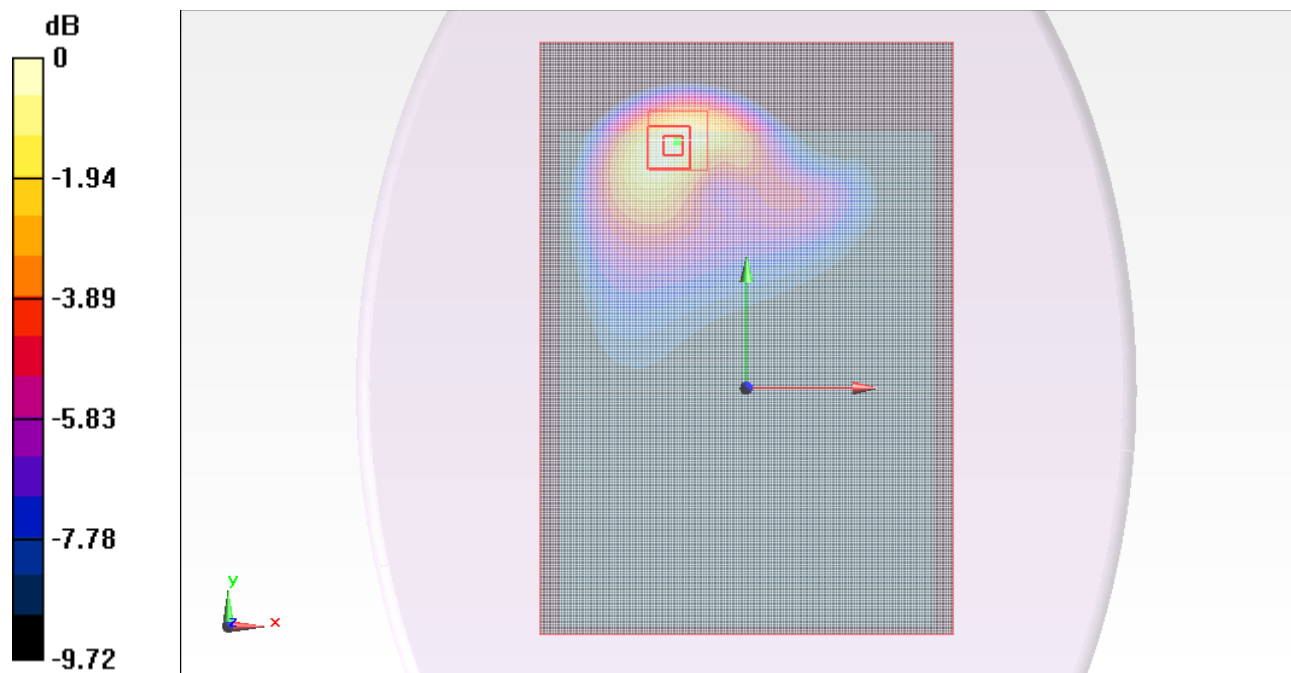
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 19.316 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.378 mW/g



0 dB = 0.380mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_w/ 14mm/10MHz_M ch_QPSK_RB25_RB12/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.195 mW/g

Top Edge_w/ 14mm/10MHz_M ch_QPSK_RB25_RB12/Zoom Scan (7x7x9)/Cube 0:

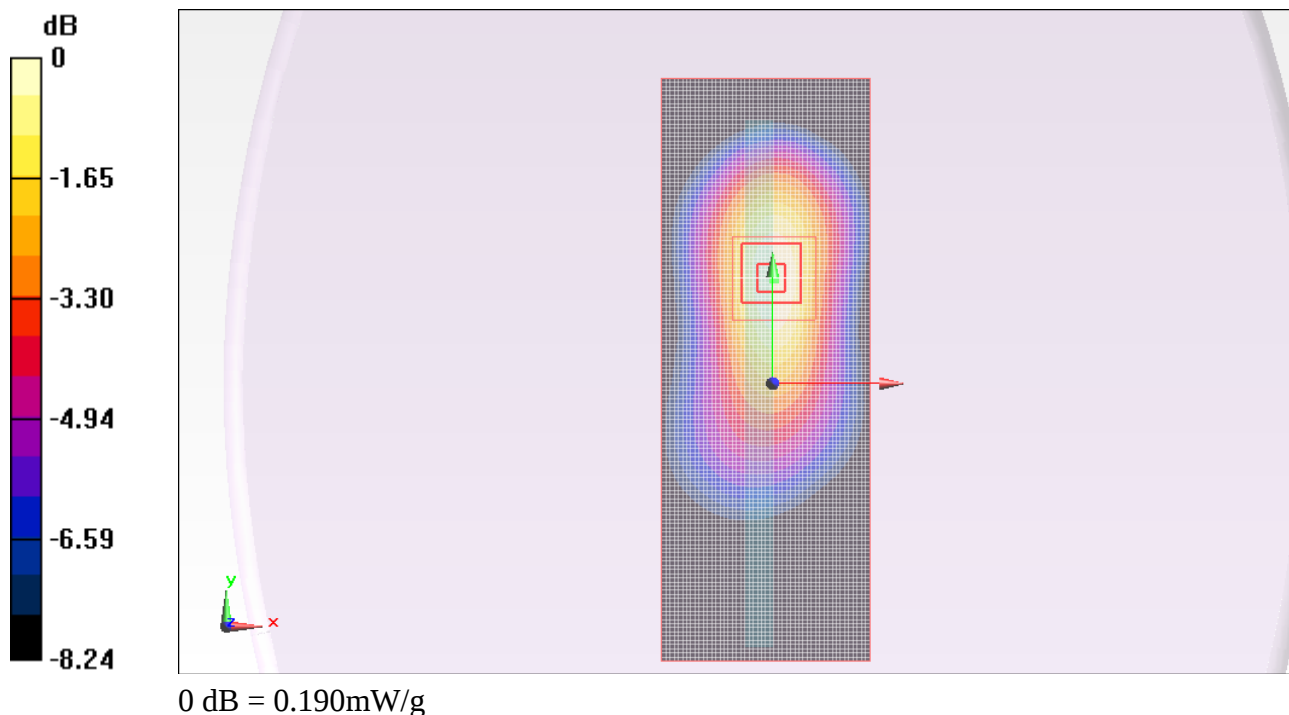
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 14.102 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.193 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_w/ 14mm/10MHz_M ch_QPSK_RB1_RB0/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.236 mW/g

Top Edge_w/ 14mm/10MHz_M ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0:

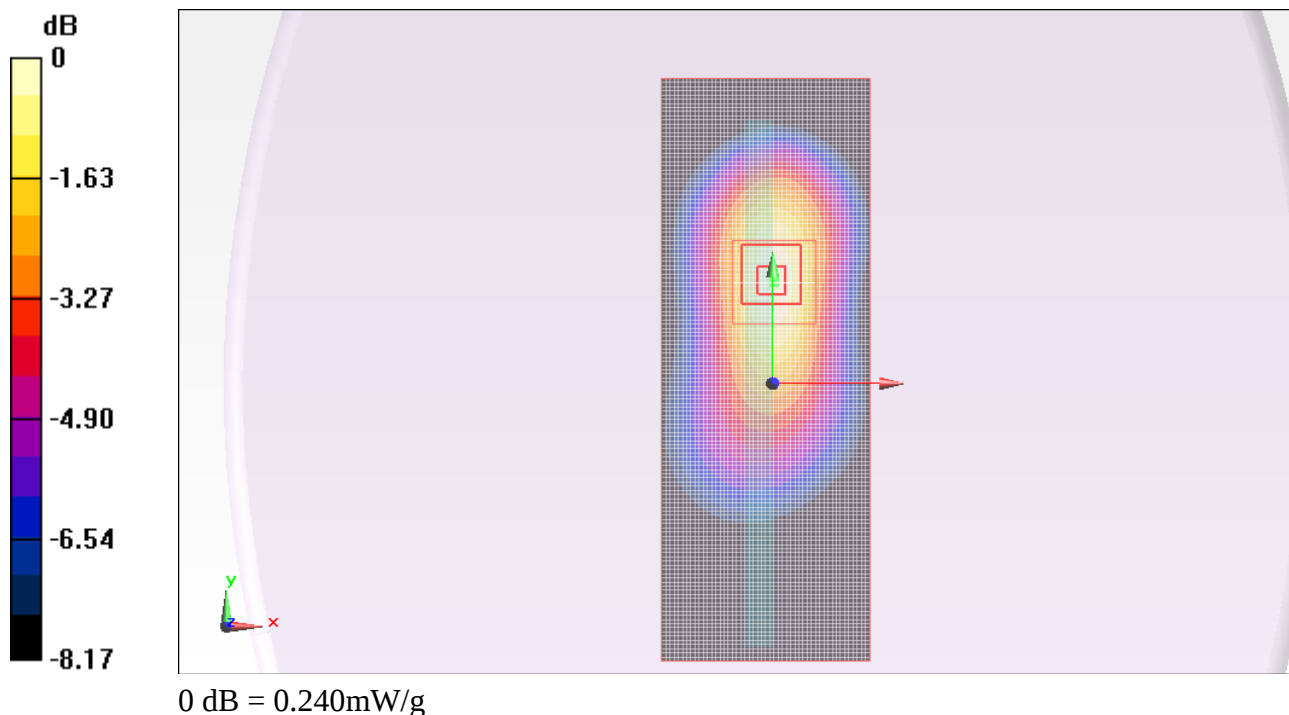
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 15.658 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.237 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_w/ 14mm/10MHz_M ch_QPSK_RB1_RB49/Area Scan (51x141x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.247 mW/g

Top Edge_w/ 14mm/10MHz_M ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0:

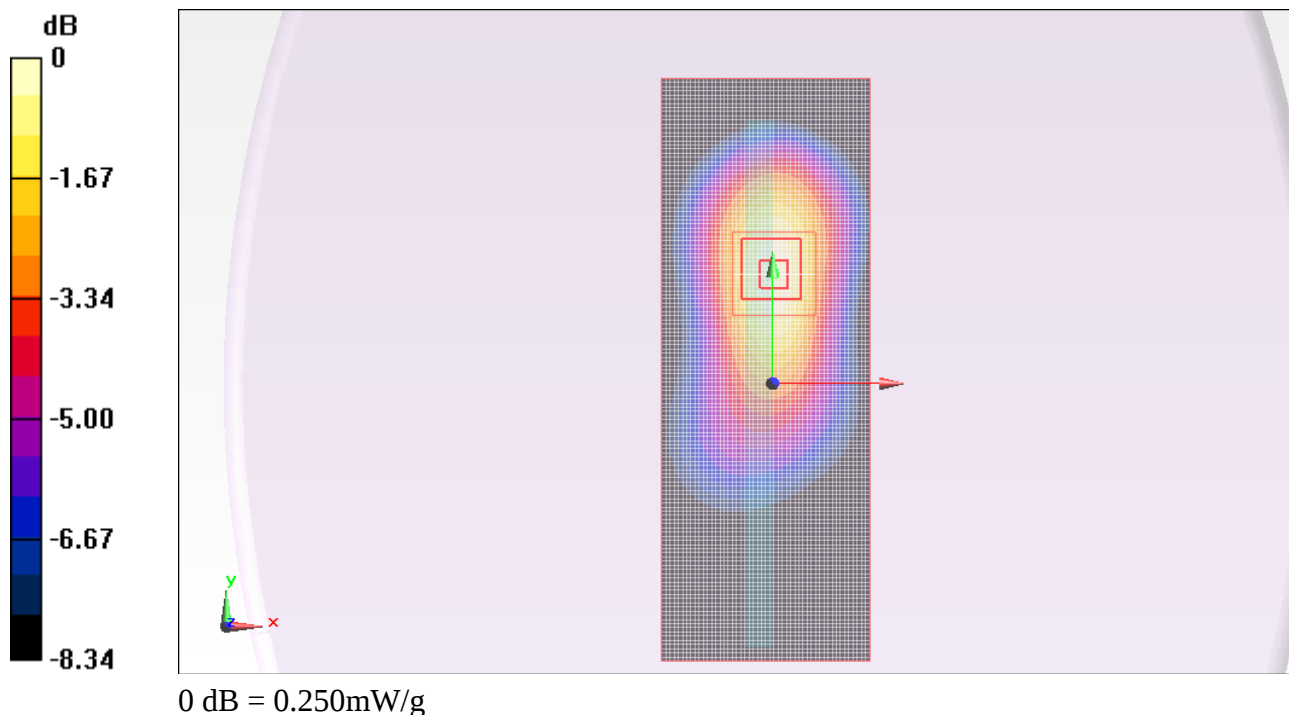
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 15.979 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.246 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_w/ 14mm/10MHz_M ch_16QAM_RB25_RB12/Area Scan (51x141x1):

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

Maximum value of SAR (interpolated) = 0.152 mW/g

Top Edge_w/ 14mm/10MHz_M ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0:

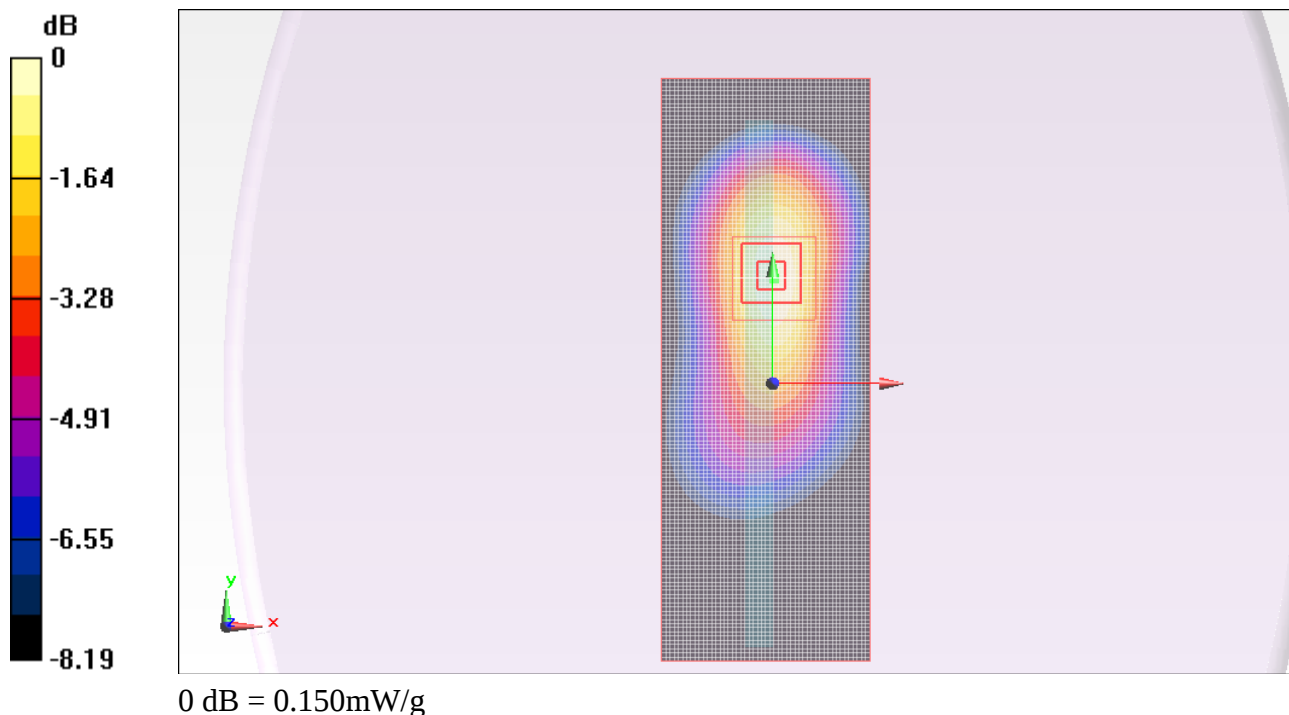
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 12.517 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.151 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_w/ 14mm/10MHz_M ch_16QAM_RB1_RB0/Area Scan (51x141x1): Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.180 mW/g

Top Edge_w/ 14mm/10MHz_M ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0:

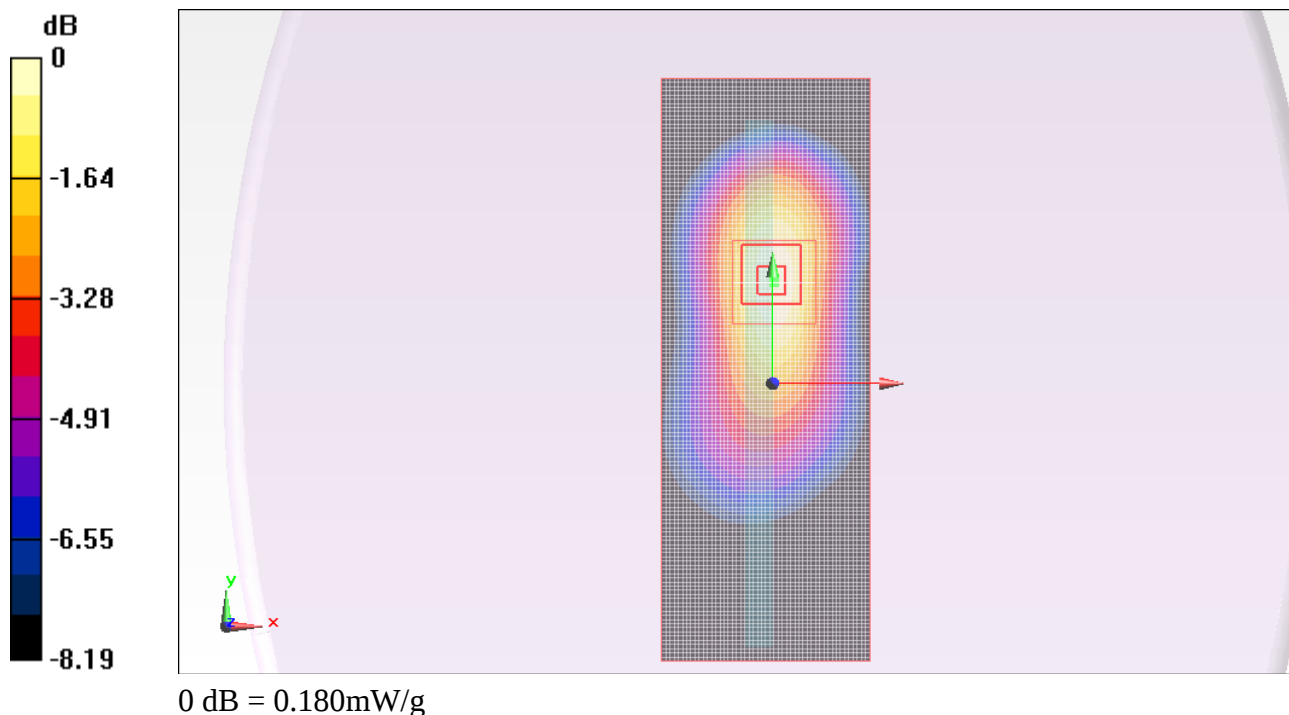
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 13.728 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.183 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 58.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_w/ 14mm/10MHz_M ch_16QAM_RB1_RB49/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.190 mW/g

Top Edge_w/ 14mm/10MHz_M ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0:

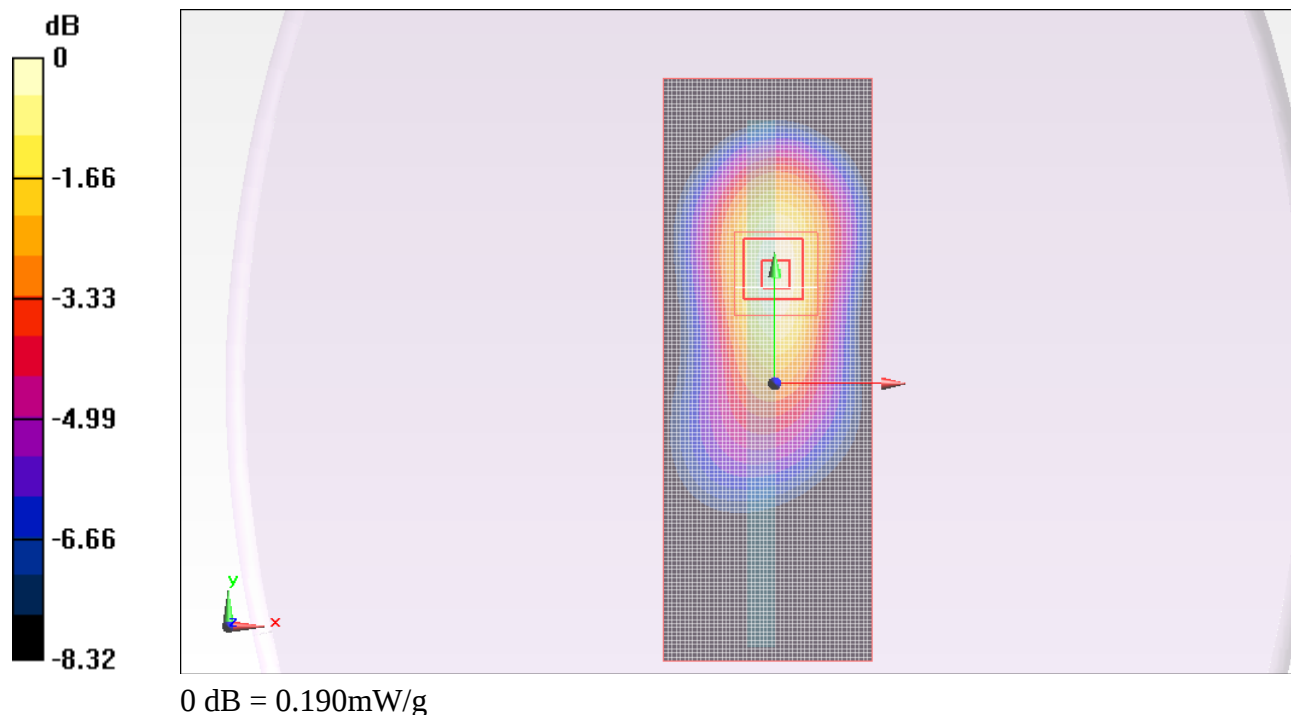
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 14.052 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.191 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 58.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_Tilt 15 deg./10MHz_M ch_QPSK_RB25_RB12 2/Area Scan (51x141x1):

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

Maximum value of SAR (interpolated) = 0.512 mW/g

Top Edge_Tilt 15 deg./10MHz_M ch_QPSK_RB25_RB12 2/Zoom Scan (7x7x9)/Cube 0:

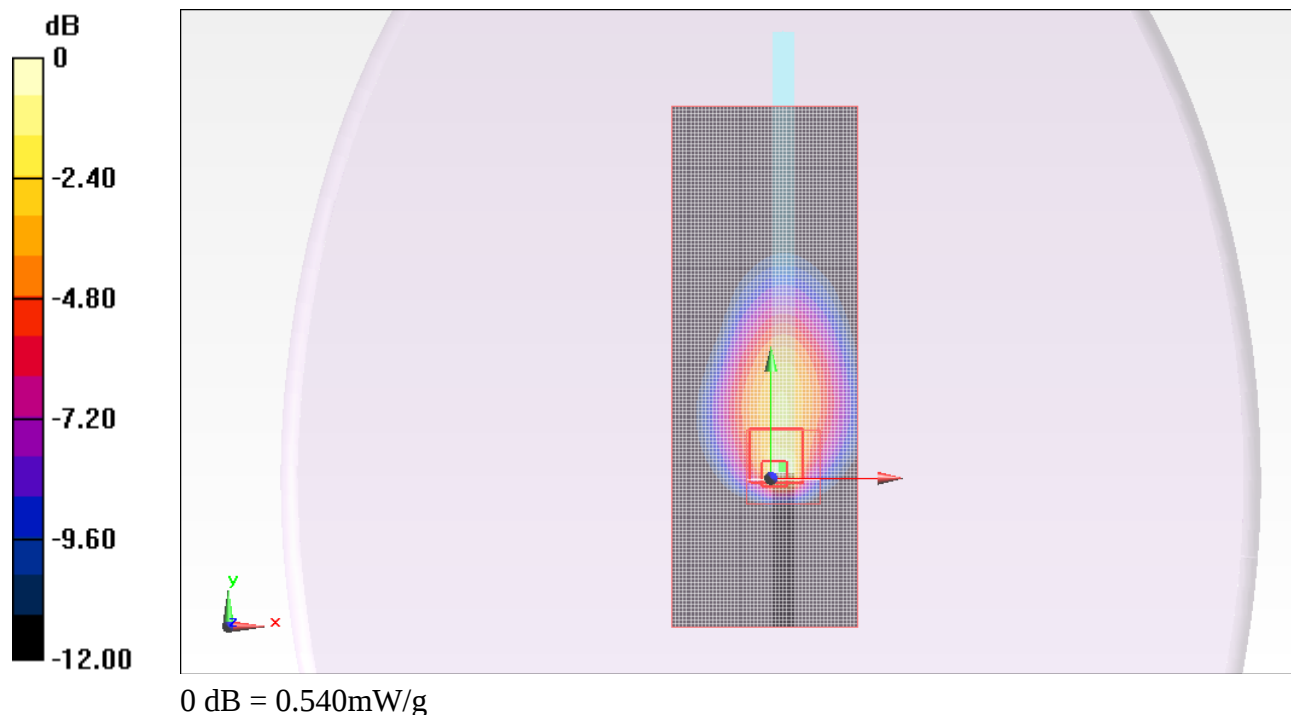
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 19.640 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.449 W/kg

SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.545 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 58.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_Tilt 15 deg./10MHz_M ch_QPSK_RB1_RB0/Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.604 mW/g

Top Edge_Tilt 15 deg./10MHz_M ch_QPSK_RB1_RB0/Zoom Scan (7x7x9)/Cube 0:

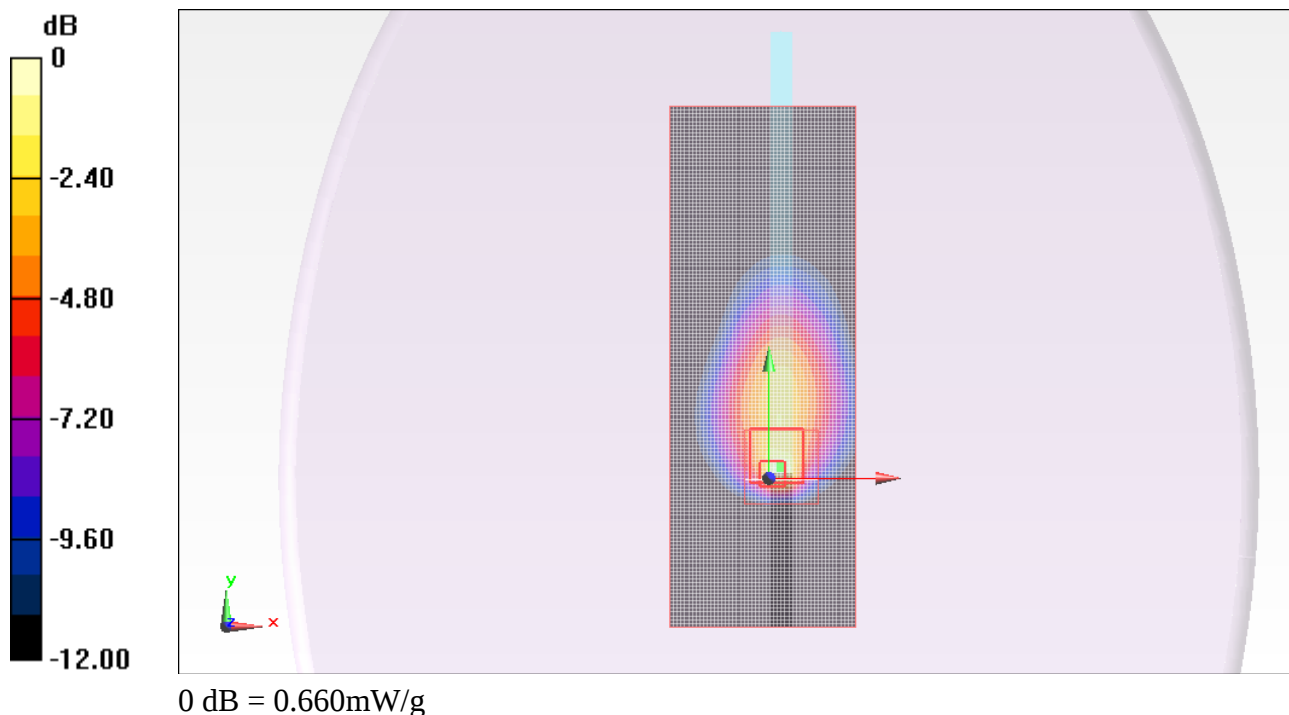
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 21.619 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.763 W/kg

SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.183 mW/g

Maximum value of SAR (measured) = 0.656 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 58.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_Tilt 15 deg./10MHz_M ch_QPSK_RB1_RB49/Area Scan (51x141x1):

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

Maximum value of SAR (interpolated) = 0.662 mW/g

Top Edge_Tilt 15 deg./10MHz_M ch_QPSK_RB1_RB49/Zoom Scan (7x7x9)/Cube 0:

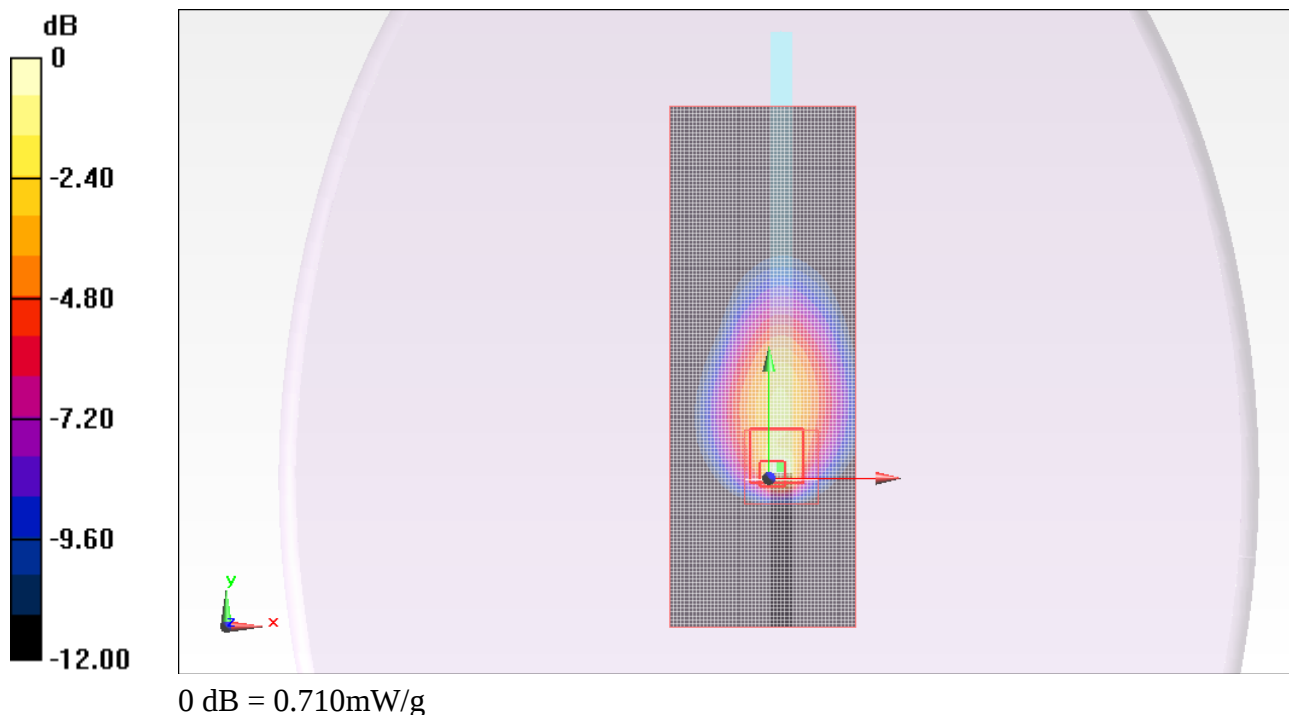
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 22.629 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.864 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.202 mW/g

Maximum value of SAR (measured) = 0.707 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 58.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_Tilt 15 deg./10MHz_M ch_16QAM_RB25_RB12/Area Scan (51x141x1):

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

Maximum value of SAR (interpolated) = 0.396 mW/g

Top Edge_Tilt 15 deg./10MHz_M ch_16QAM_RB25_RB12/Zoom Scan (7x7x9)/Cube 0:

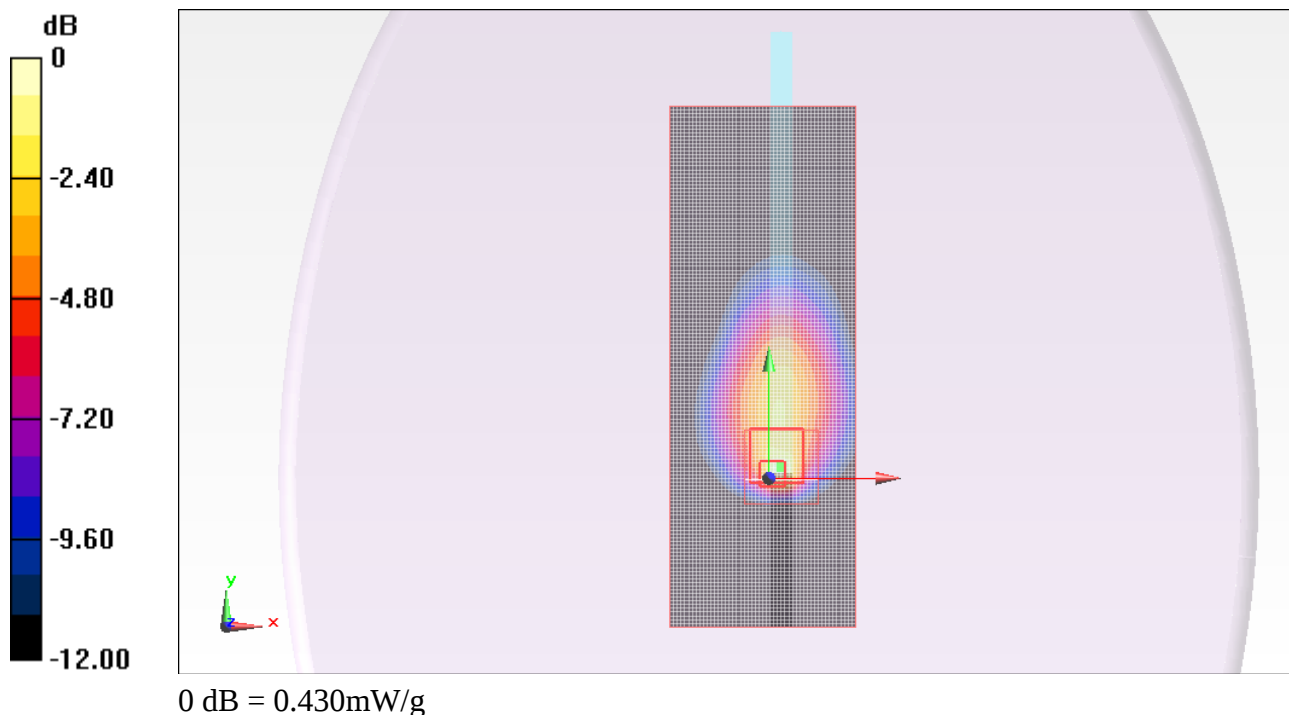
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 17.591 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.151 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.120 mW/g

Maximum value of SAR (measured) = 0.430 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 58.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_Tilt 15 deg./10MHz_M ch_16QAM_RB1_RB0/Area Scan (51x141x1):

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

Maximum value of SAR (interpolated) = 0.460 mW/g

Top Edge_Tilt 15 deg./10MHz_M ch_16QAM_RB1_RB0/Zoom Scan (7x7x9)/Cube 0:

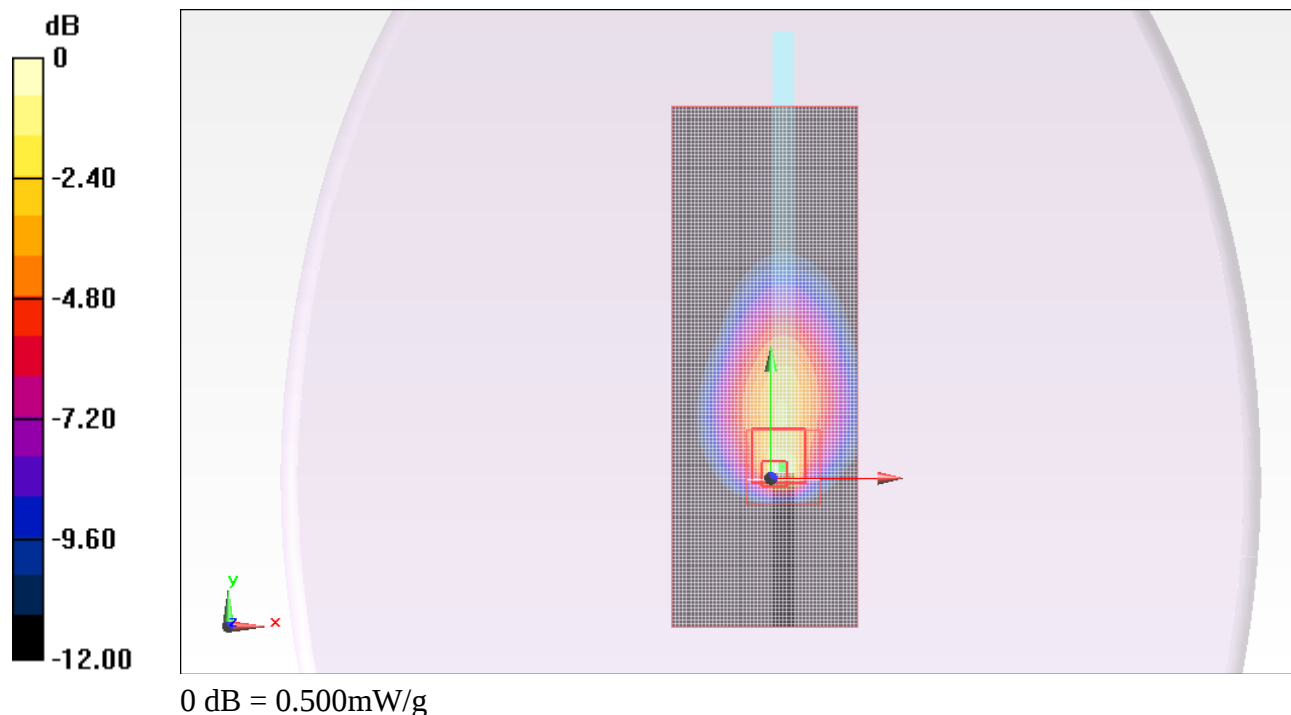
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 19.031 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.360 W/kg

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.505 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 58.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Top Edge_Tilt 15 deg./10MHz_M ch_16QAM_RB1_RB49/Area Scan (51x141x1):

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

Maximum value of SAR (interpolated) = 0.507 mW/g

Top Edge_Tilt 15 deg./10MHz_M ch_16QAM_RB1_RB49/Zoom Scan (7x7x9)/Cube 0:

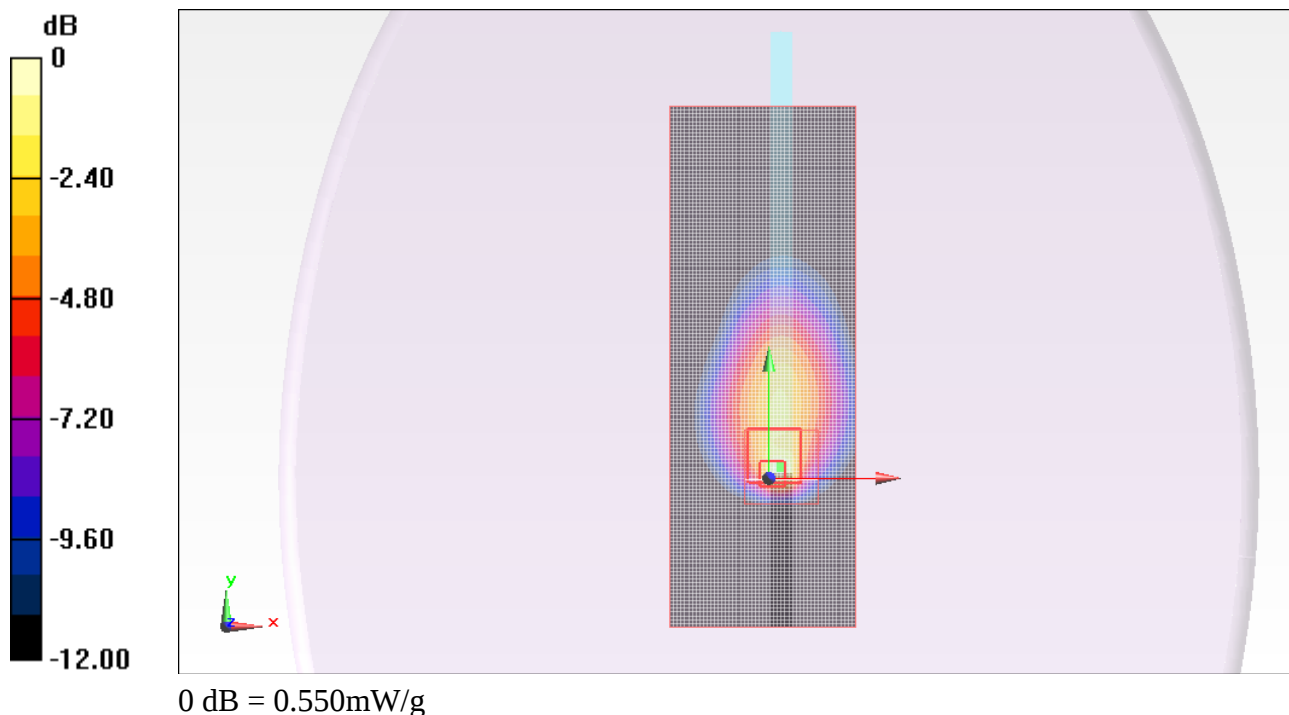
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 19.917 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.456 W/kg

SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 0.549 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 58.121$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Top_10MHz_QPSK_RB 25/12_Tilt 41 deg./Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.322 mW/g

Top_10MHz_QPSK_RB 25/12_Tilt 41 deg./Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

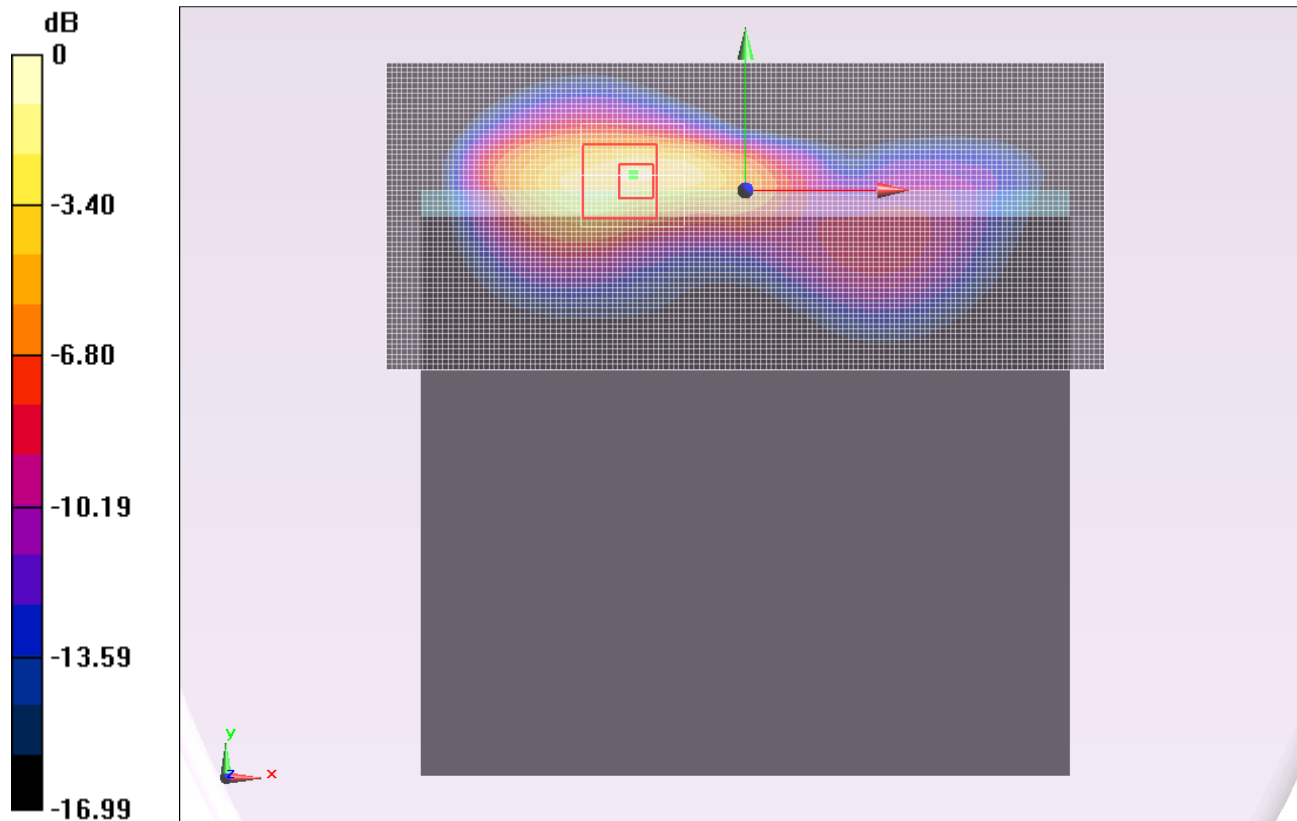
Reference Value = 36.602 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.7970

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.562 mW/g

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

Maximum value of SAR (measured) = 1.618 mW/g



0 dB = 1.620mW/g = 4.19 dB mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 58.121$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Top_10MHz_QPSK_RB 1/0_Tilt 41 deg./Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.267 mW/g

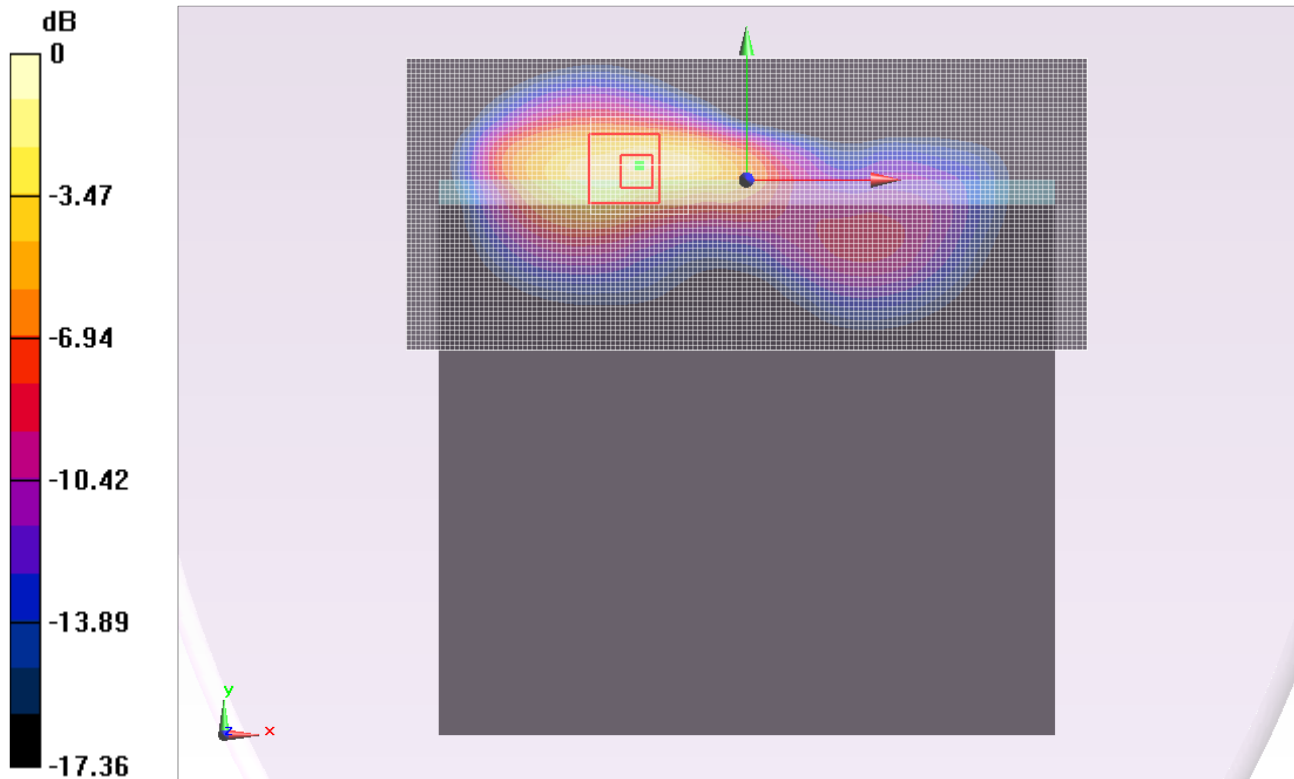
Top_10MHz_QPSK_RB 1/0_Tilt 41 deg./Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 36.360 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.6280

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.546 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.590 mW/g



Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 58.121$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Top_10MHz_QPSK_RB 1/49_Tilt 41 deg./Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.332 mW/g

Top_10MHz_QPSK_RB 1/49_Tilt 41 deg./Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

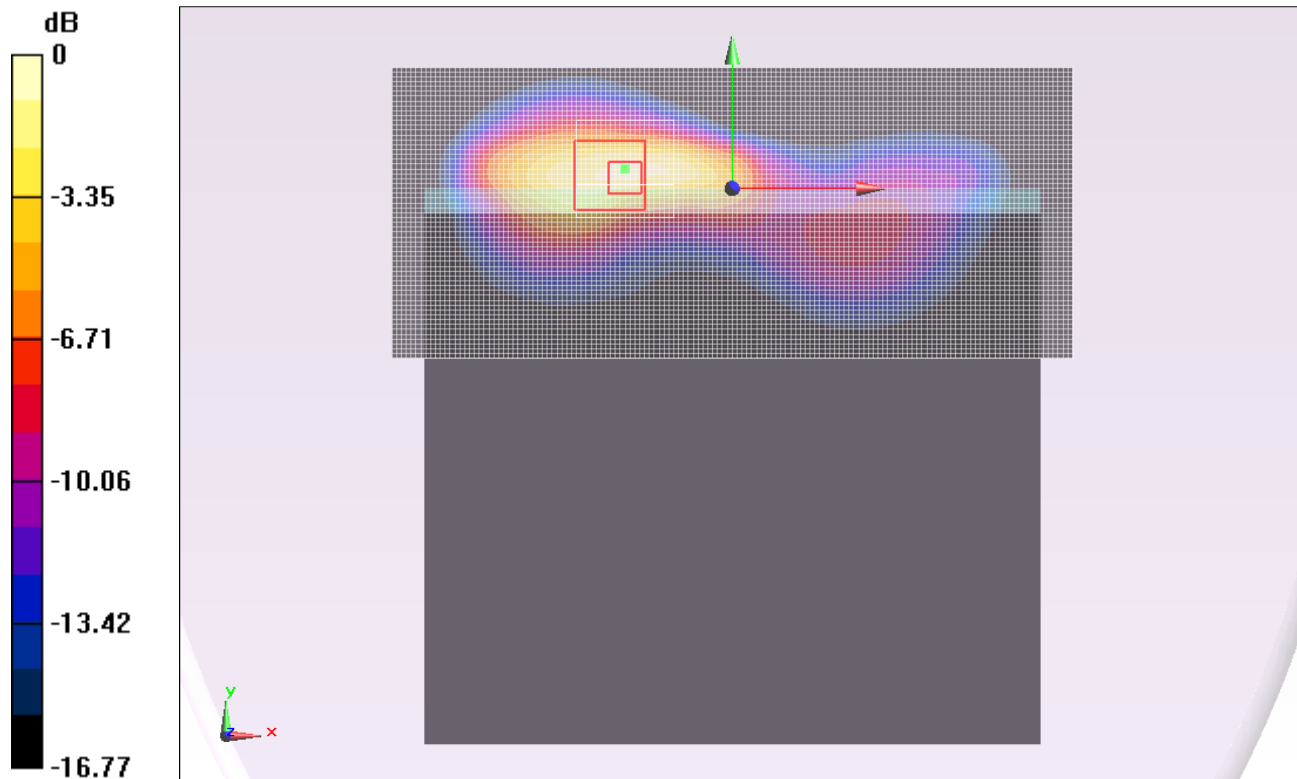
Reference Value = 37.600 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.6180

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.544 mW/g

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

Maximum value of SAR (measured) = 1.495 mW/g



0 dB = 1.500mW/g = 3.52 dB mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 58.121$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Top_10MHz_16QAM_RB 25/12_Tilt 41 deg./Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.330 mW/g

Top_10MHz_16QAM_RB 25/12_Tilt 41 deg./Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

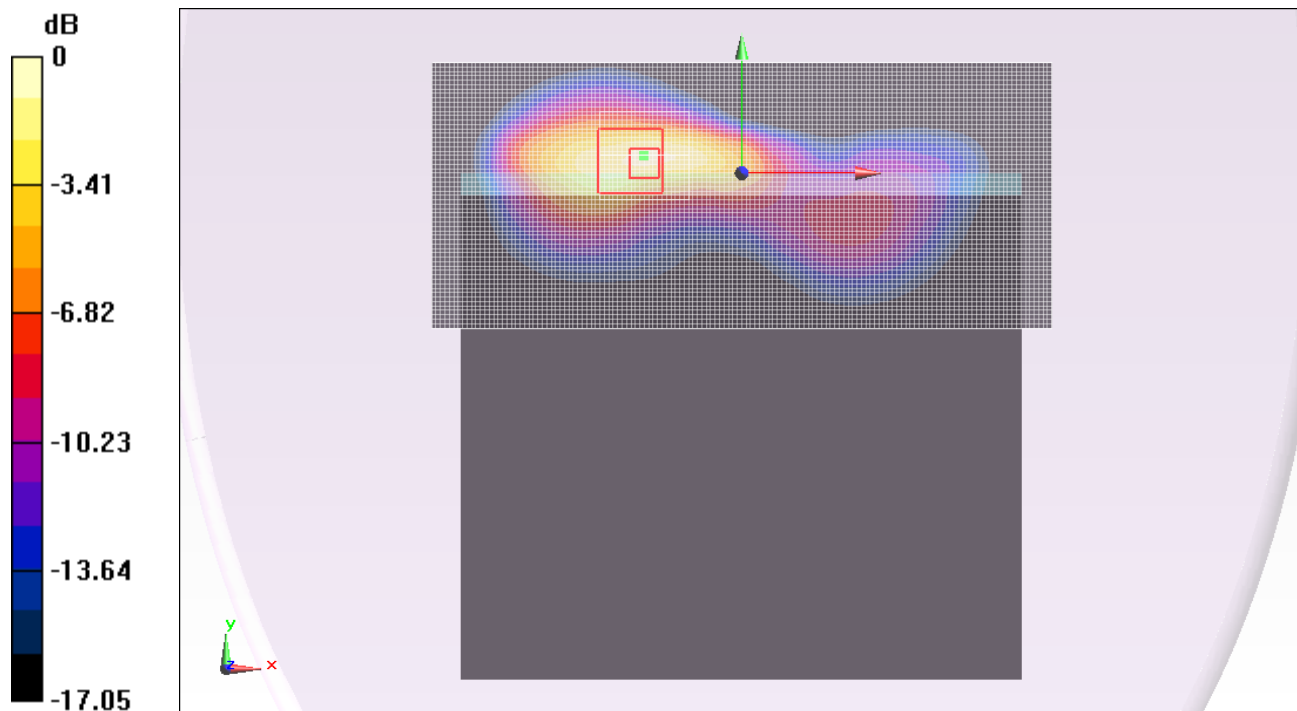
Reference Value = 38.677 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.7630

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.558 mW/g

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

Maximum value of SAR (measured) = 1.546 mW/g



0 dB = 1.550mW/g = 3.81 dB mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 58.121$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Top_10MHz_16QAM_RB 1/0_Tilt 41 deg./Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.268 mW/g

Top_10MHz_16QAM_RB 1/0_Tilt 41 deg./Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

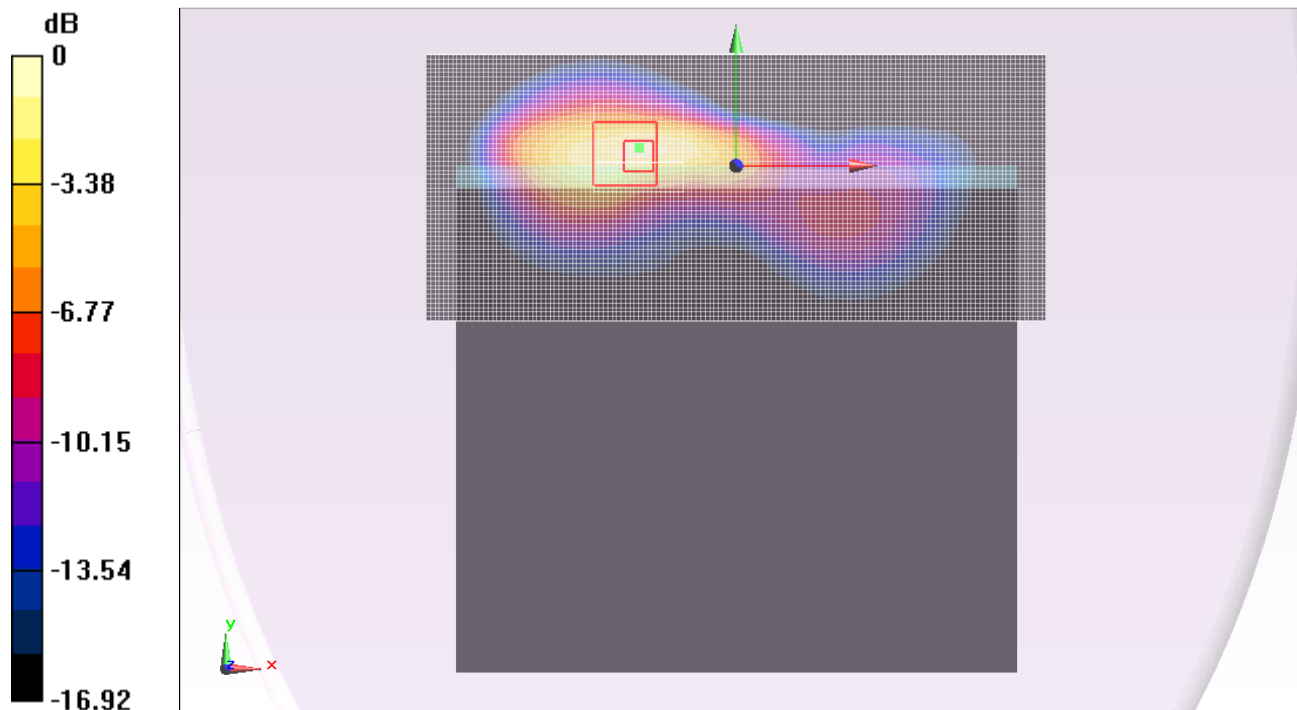
Reference Value = 37.674 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.6050

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.532 mW/g

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

Maximum value of SAR (measured) = 1.461 mW/g



0 dB = 1.460mW/g = 3.29 dB mW/g

Test Laboratory: UL CCS SAR Lab A

LTE Band 17

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 58.121$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Top_10MHz_16QAM_RB 1/49_Tilt 41 deg./Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.328 mW/g

Top_10MHz_16QAM_RB 1/49_Tilt 41 deg./Zoom Scan (7x7x9)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=3mm

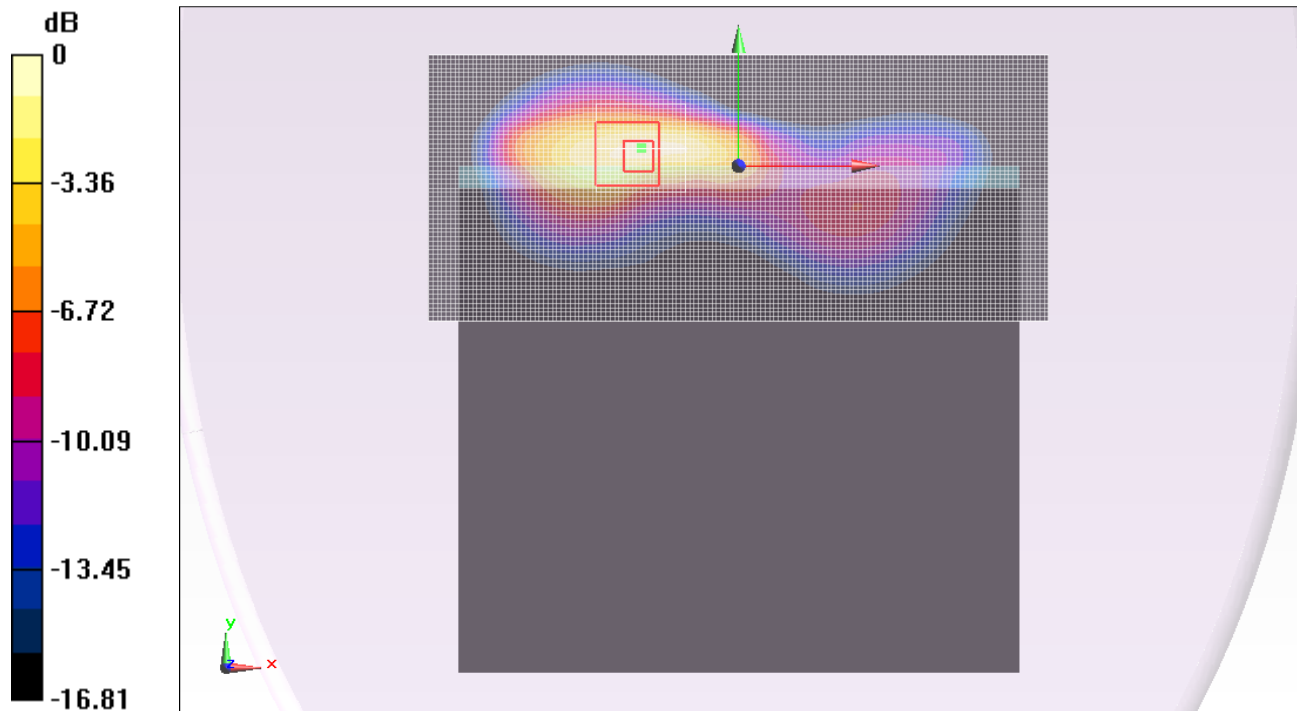
Reference Value = 37.916 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.5500

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.534 mW/g

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

Maximum value of SAR (measured) = 1.473 mW/g



0 dB = 1.470mW/g = 3.35 dB mW/g