

Test Laboratory: UL CCS SAR Lab B

1_Vertical Ant_Down

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.117$; $\rho = 1000$ 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 - SN3773; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Area Scan (71x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.012 mW/g

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Zoom Scan (5x5x7)/Cube 0:

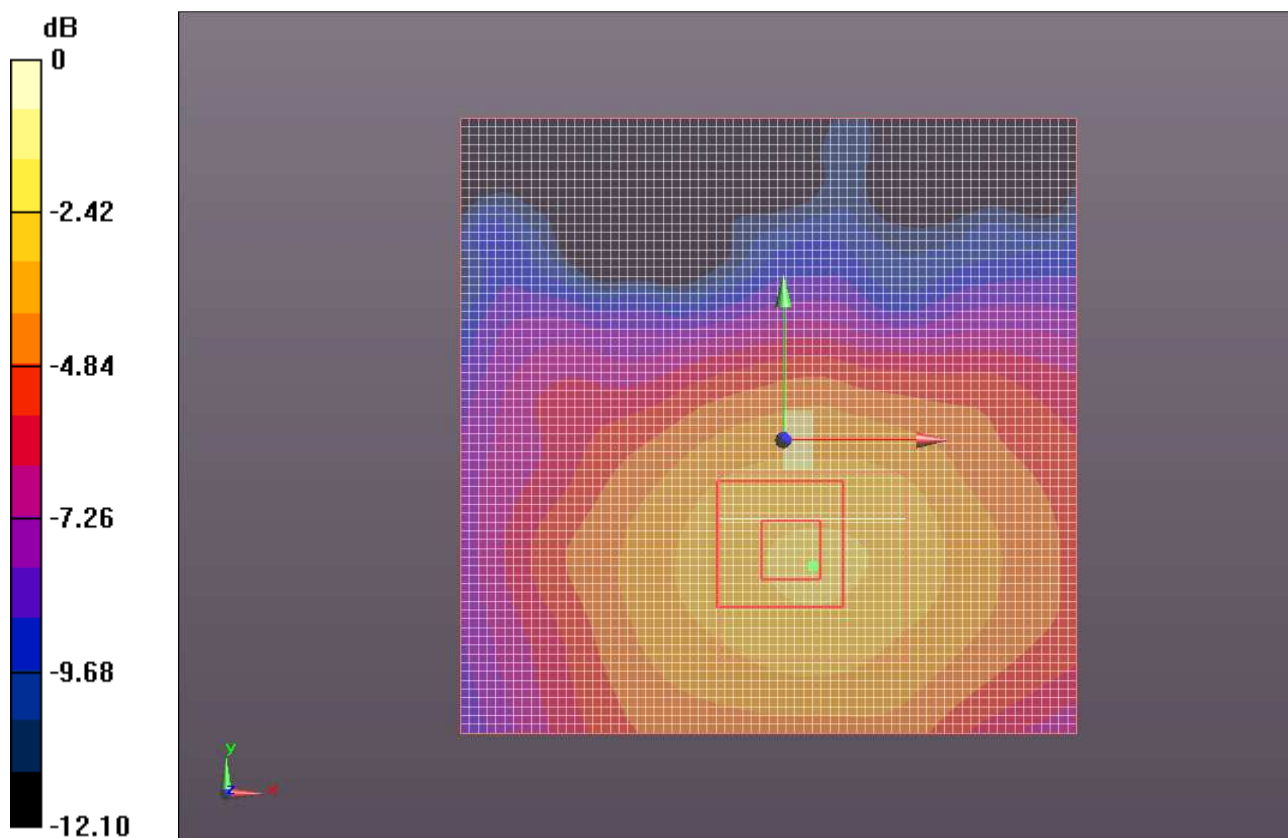
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.611 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.020 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00983 mW/g

Maximum value of SAR (measured) = 0.017 mW/g



0 dB = 0.020mW/g

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2_Vertical Ant_Up

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.117$; $\rho = 1000$ 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 - SN3773; 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: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Area Scan (71x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.00969 mW/g

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Zoom Scan (5x5x7)/Cube 0:

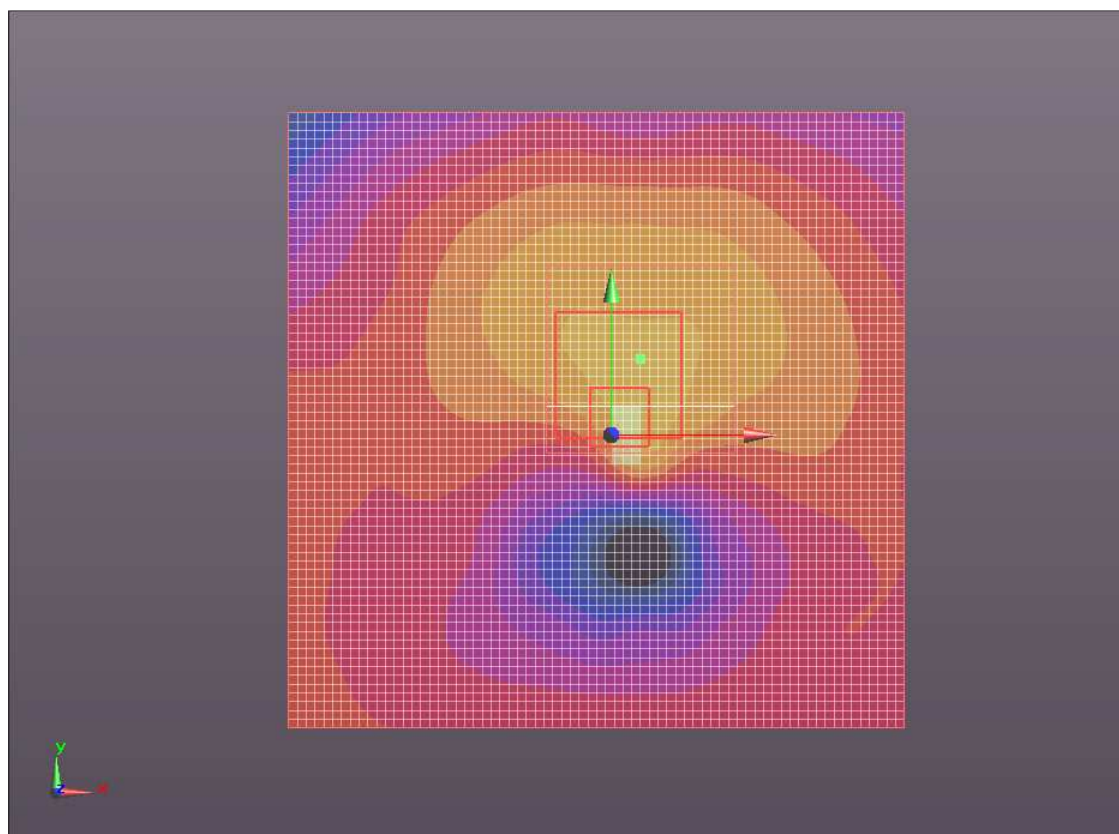
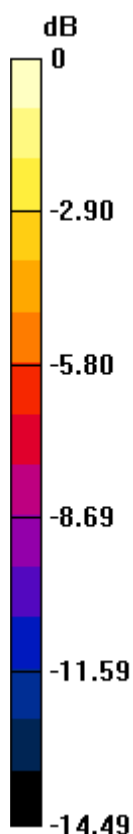
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.315 V/m; Power Drift = 0.24 dB

Peak SAR (extrapolated) = 0.041 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00666 mW/g

Maximum value of SAR (measured) = 0.019 mW/g



0 dB = 0.020mW/g

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3_Horizontal Ant_UP

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.117$; $\rho = 1000$ 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 - SN3773; 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: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Area Scan (71x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.181 mW/g

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Zoom Scan (5x5x7)/Cube 0:

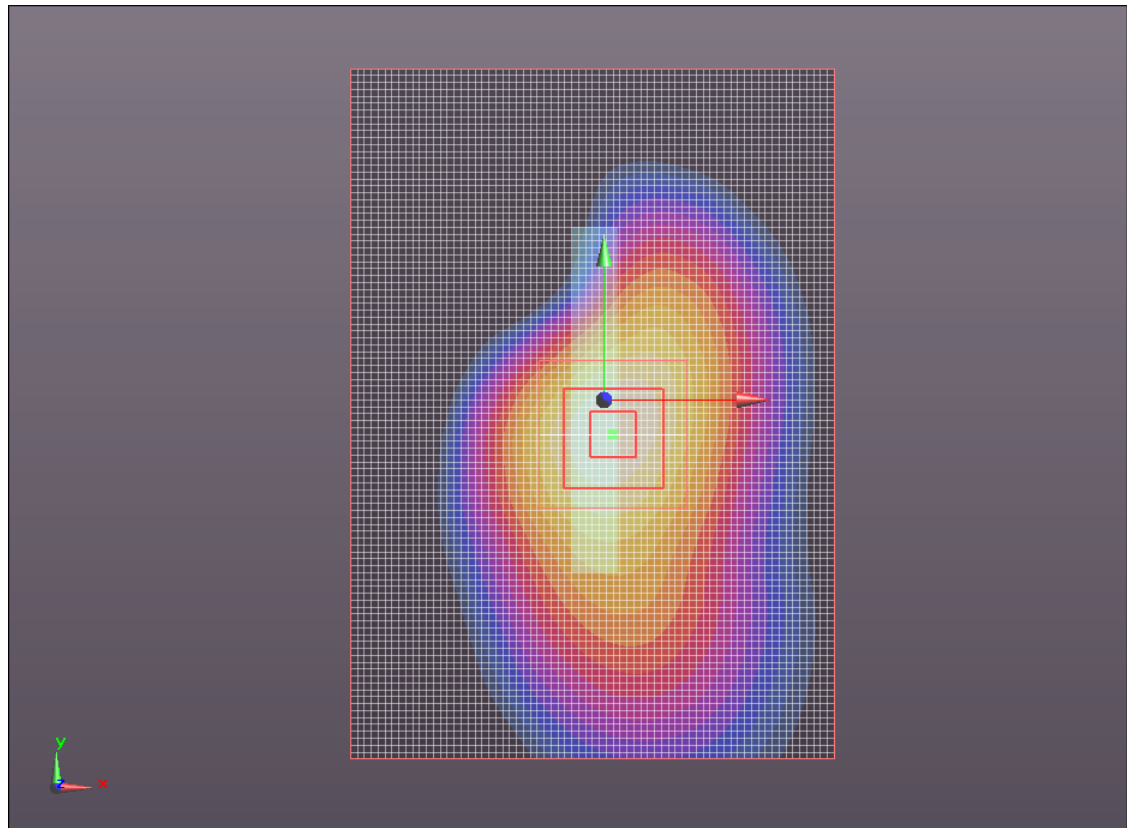
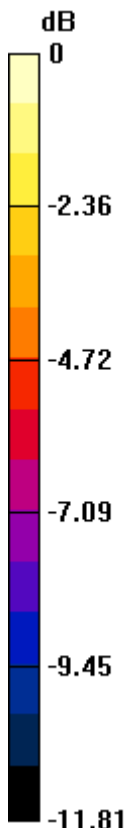
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.419 V/m; Power Drift = -0.0019 dB

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.099 mW/g

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



0 dB = 0.180mW/g

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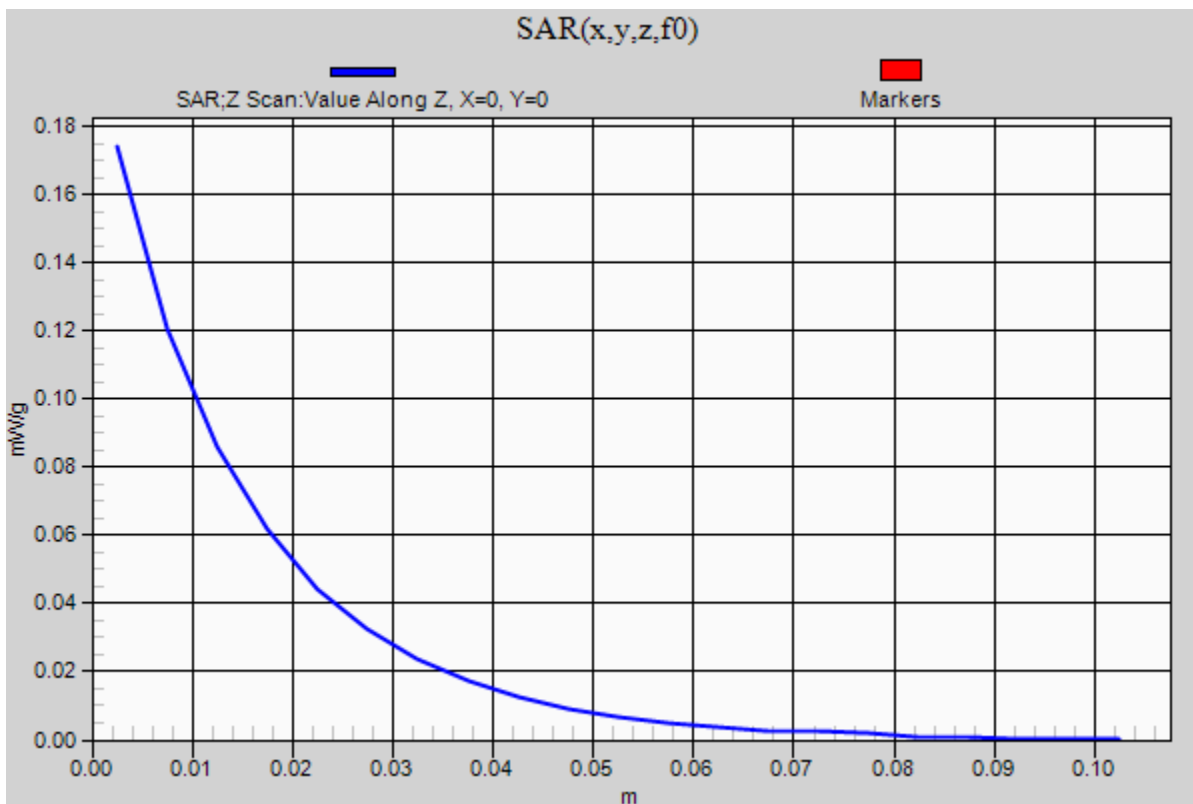
3_Horizontal Ant_UP

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Z Scan (1x1x21): Measurement grid:

dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.174 mW/g



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4_Horizontal Ant_Down

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.117$; $\rho = 1000$ 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 - SN3773; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Area Scan (71x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.159 mW/g

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Zoom Scan (5x5x7)/Cube 0:

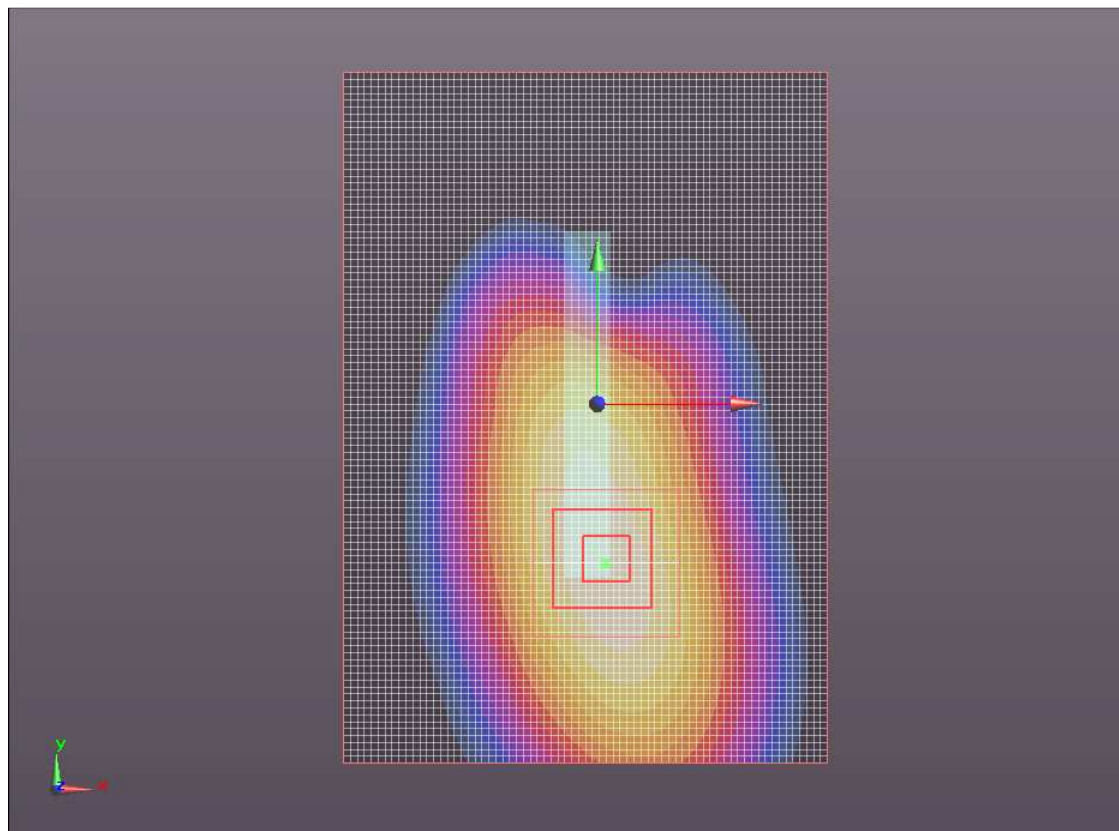
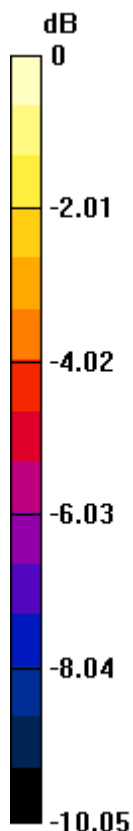
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.803 V/m; Power Drift = -0.0044 dB

Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.162 mW/g



0 dB = 0.160mW/g

Test Laboratory: UL CCS SAR Lab B

5_Horizontal Ant_Front

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.117$; $\rho = 1000$ 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 - SN3773; 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: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Area Scan (71x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.045 mW/g

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Zoom Scan (5x5x7)/Cube 0:

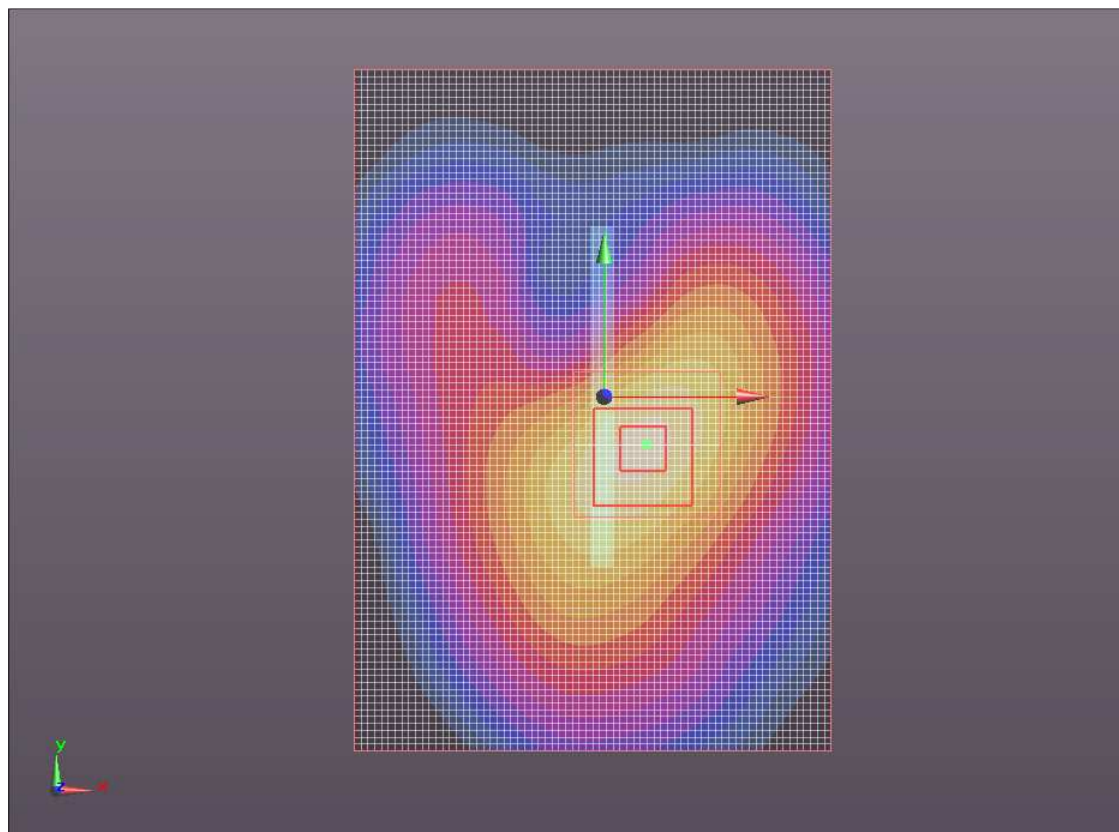
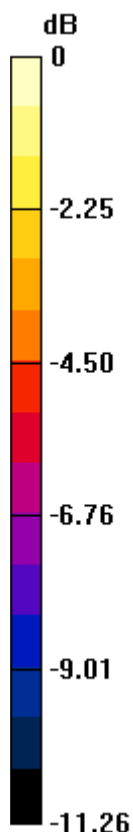
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.624 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.054 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.046 mW/g



0 dB = 0.050mW/g

Test Laboratory: UL CCS SAR Lab B

6_Horizontal Ant_Back

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.117$; $\rho = 1000$ 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 - SN3773; 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: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Area Scan (71x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.069 mW/g

UMTS Band V Rel.99 RMC 12.2 kbs/Main_Ant_M-CH/Zoom Scan (5x5x7)/Cube 0:

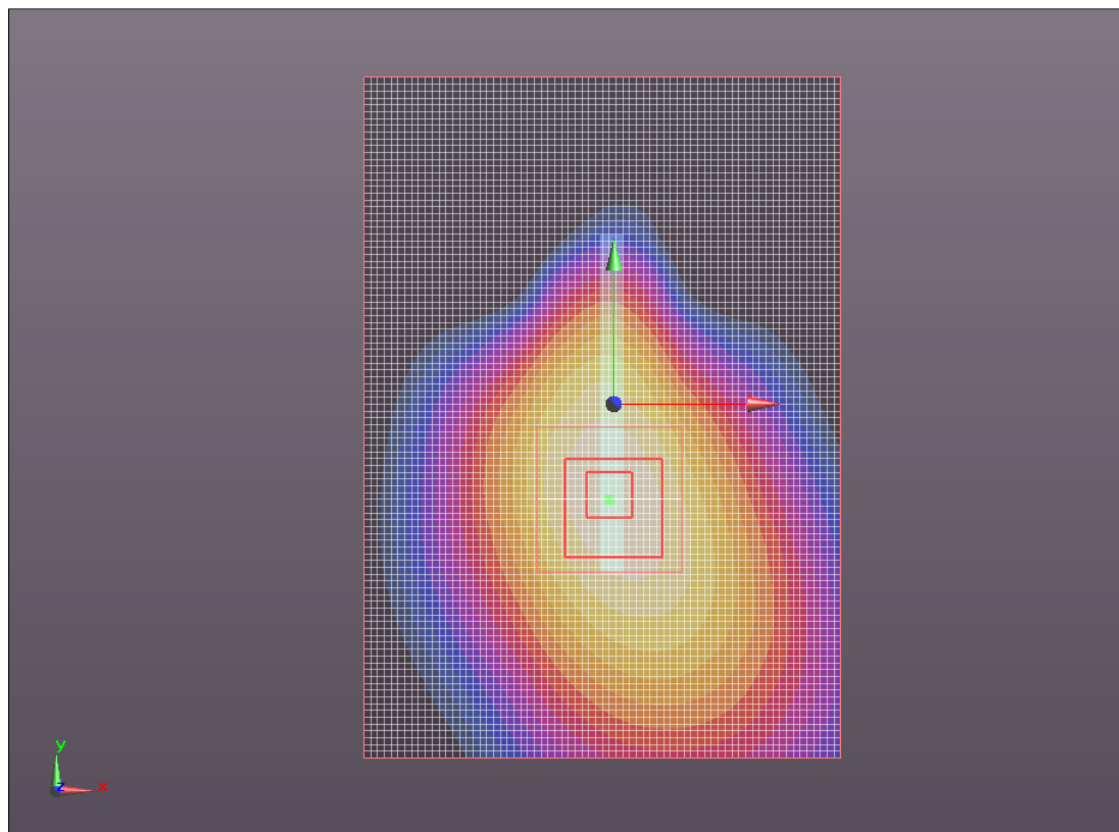
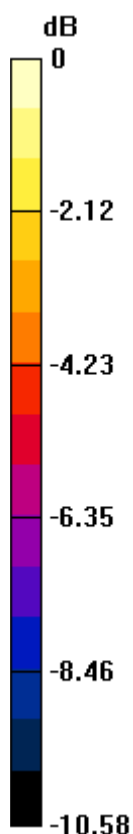
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.363 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.087 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.073 mW/g



0 dB = 0.070mW/g