

Test Laboratory: UL CCS SAR Lab C

01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.498$ mho/m; $\epsilon_r = 52.832$; $\rho = 1000$ 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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face_10 mm/R99_RMC_M-ch/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.788 mW/g

Bottom Face_10 mm/R99_RMC_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

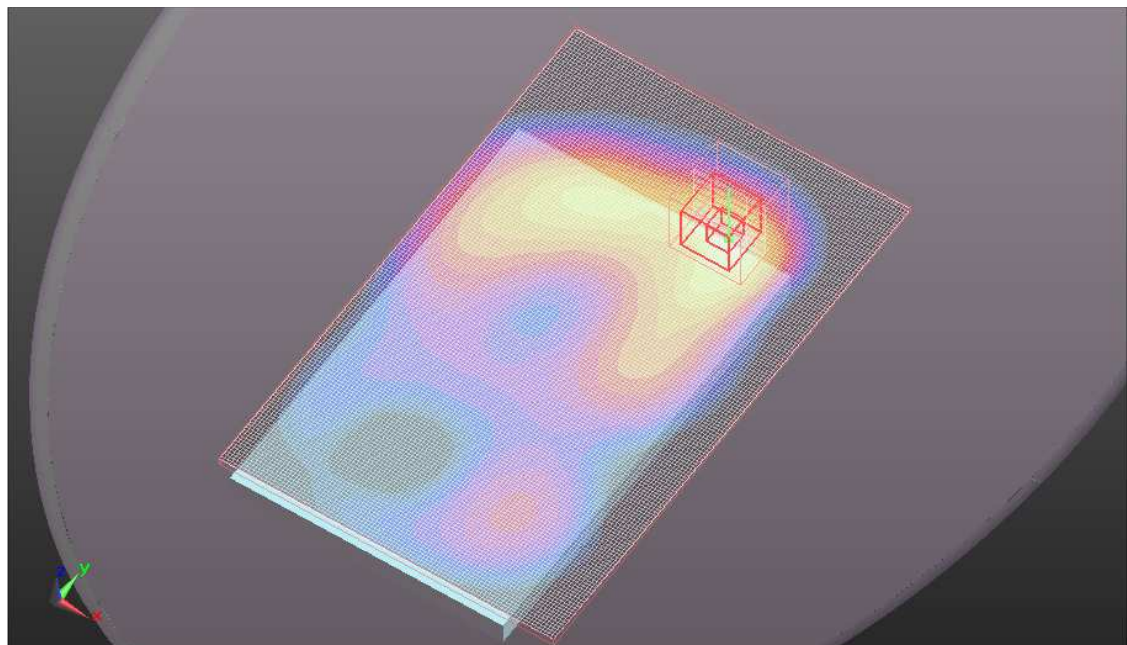
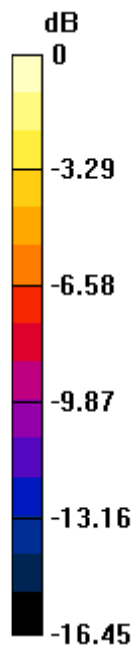
Reference Value = 14.174 V/m; Power Drift = -0.0026 dB

Peak SAR (extrapolated) = 1.019 W/kg

SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.342 mW/g

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

Maximum value of SAR (measured) = 0.800 mW/g



0 dB = 0.800mW/g

Test Laboratory: UL CCS SAR Lab C

01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1712.4 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.477$ mho/m; $\epsilon_r = 52.842$; $\rho = 1000$ 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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Landscape_5 mm/R99_RMC_L-ch/Area Scan (71x121x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.189 mW/g

Secondary Landscape_5 mm/R99_RMC_L-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

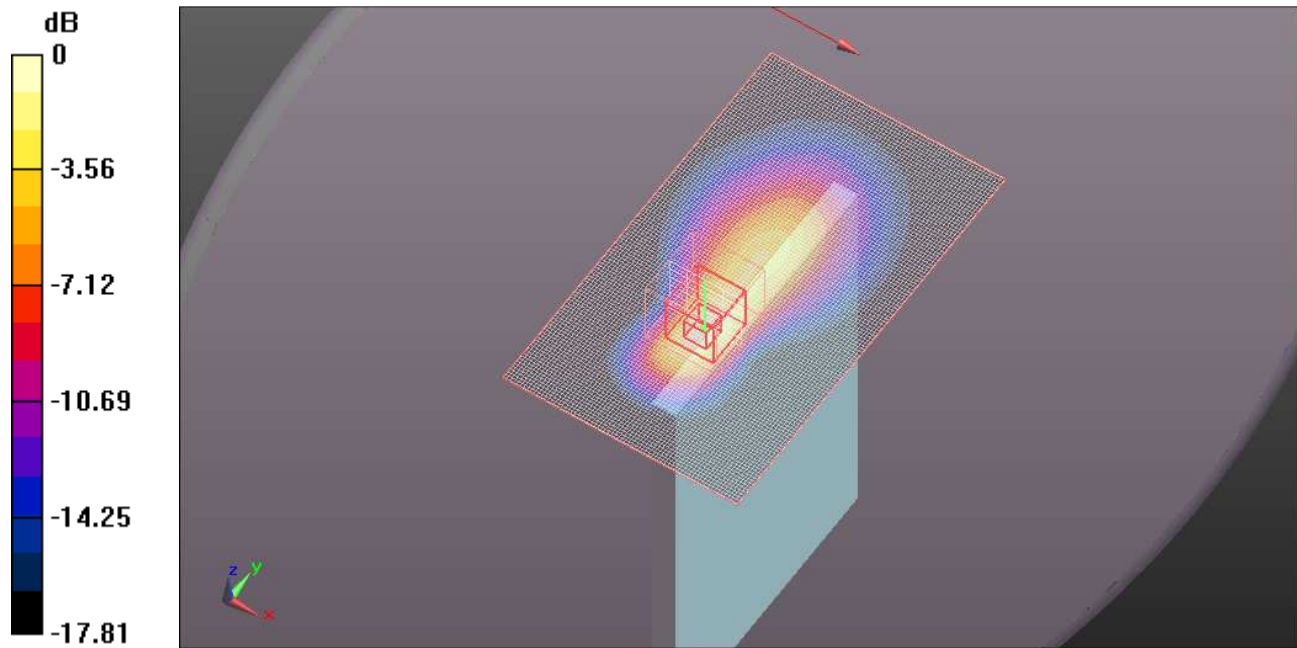
Reference Value = 21.552 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.592 W/kg

SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.428 mW/g

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

Maximum value of SAR (measured) = 1.177 mW/g



0 dB = 1.180mW/g

Test Laboratory: UL CCS SAR Lab C

01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.498$ mho/m; $\epsilon_r = 52.832$; $\rho = 1000$ 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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Landscape_5 mm/R99_RMC_M-ch/Area Scan (71x121x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.408 mW/g

Secondary Landscape_5 mm/R99_RMC_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.796 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.909 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.513 mW/g

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

Maximum value of SAR (measured) = 1.398 mW/g

Secondary Landscape_5 mm/R99_RMC_M-ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

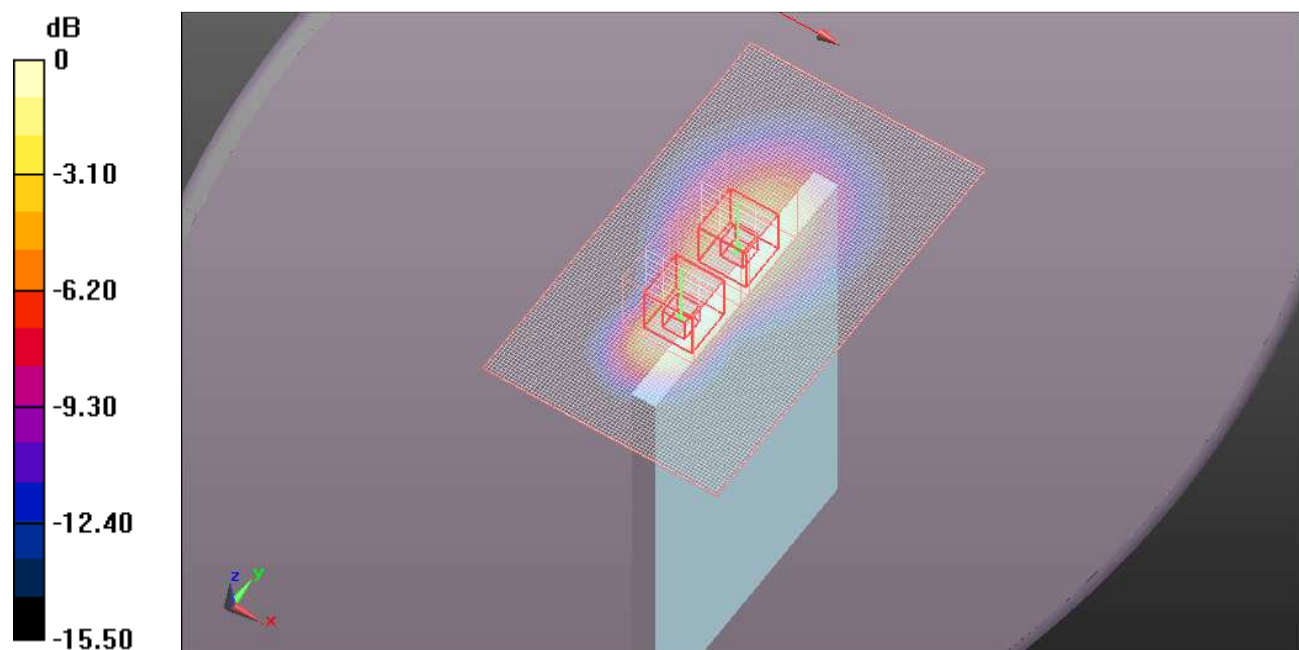
Reference Value = 23.796 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.151 W/kg

SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.425 mW/g

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

Maximum value of SAR (measured) = 0.912 mW/g



0 dB = 0.910mW/g

Test Laboratory: UL CCS SAR Lab C

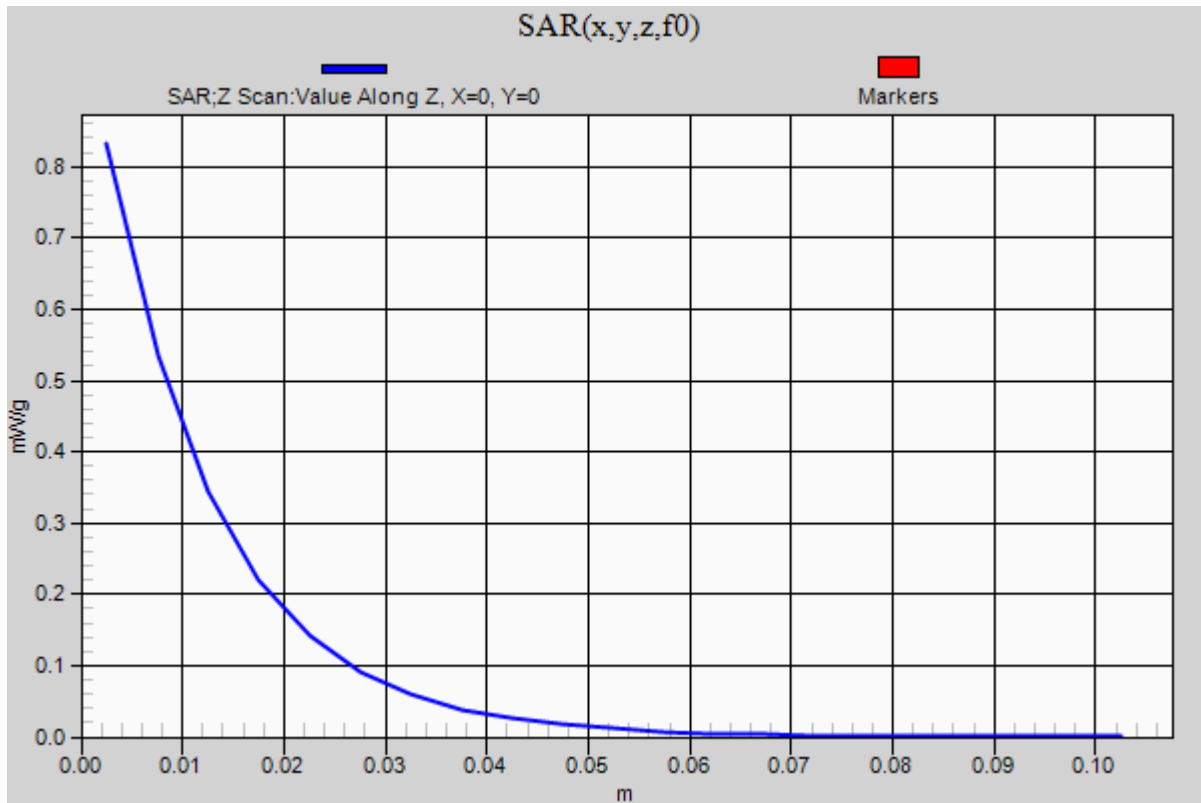
01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Secondary Landscape_5 mm/R99_RMC_M-ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

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

Maximum value of SAR (measured) = 0.832 mW/g



Test Laboratory: UL CCS SAR Lab C

01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1754 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1754$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 52.764$; $\rho = 1000$ 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(7.15, 7.15, 7.15); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Landscape_5 mm/R99_RMC_H-ch/Area Scan (71x121x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.301 mW/g

Secondary Landscape_5 mm/R99_RMC_H-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

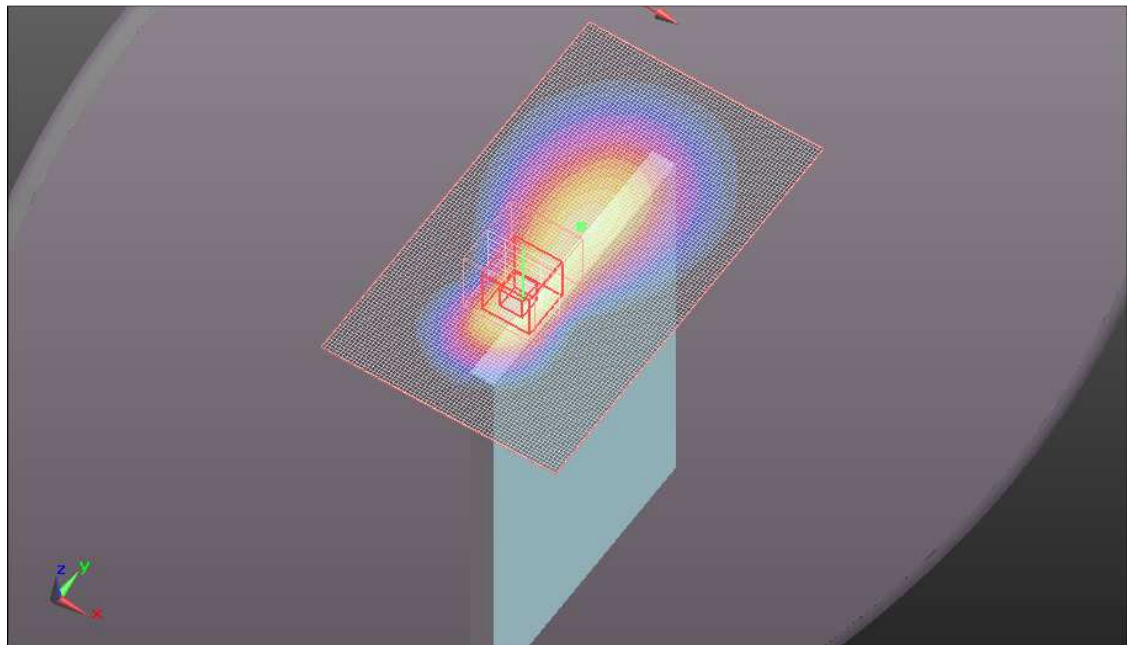
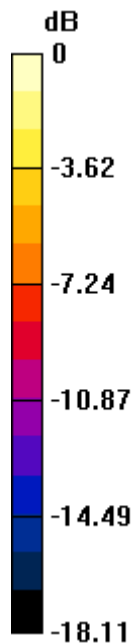
dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.949 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.779 W/kg

SAR(1 g) = 0.972 mW/g; SAR(10 g) = 0.474 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.313 mW/g



0 dB = 1.310mW/g

Test Laboratory: UL CCS SAR Lab C

UMTS band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1712.4 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.442$ mho/m; $\epsilon_r = 53.224$; $\rho = 1000$ 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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Landscape 45deg._0 mm/Low-ch/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.008 mW/g

Secondary Landscape 45deg._0 mm/Low-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

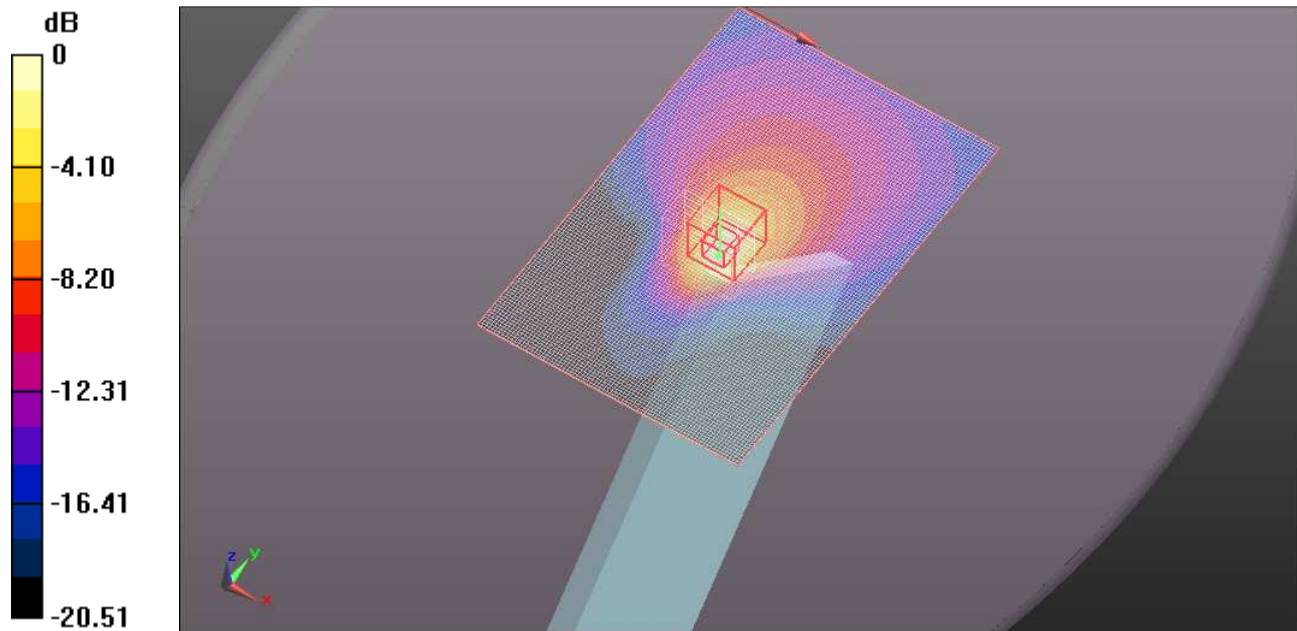
Reference Value = 23.765 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.227 W/kg

SAR(1 g) = 0.684 mW/g; SAR(10 g) = 0.347 mW/g

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

Maximum value of SAR (measured) = 0.924 mW/g



0 dB = 0.920mW/g

Test Laboratory: UL CCS SAR Lab C

UMTS band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.463$ mho/m; $\epsilon_r = 53.148$; $\rho = 1000$ 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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Landscape 45deg._0 mm/Mid-ch/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.178 mW/g

Secondary Landscape 45deg._0 mm/Mid-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

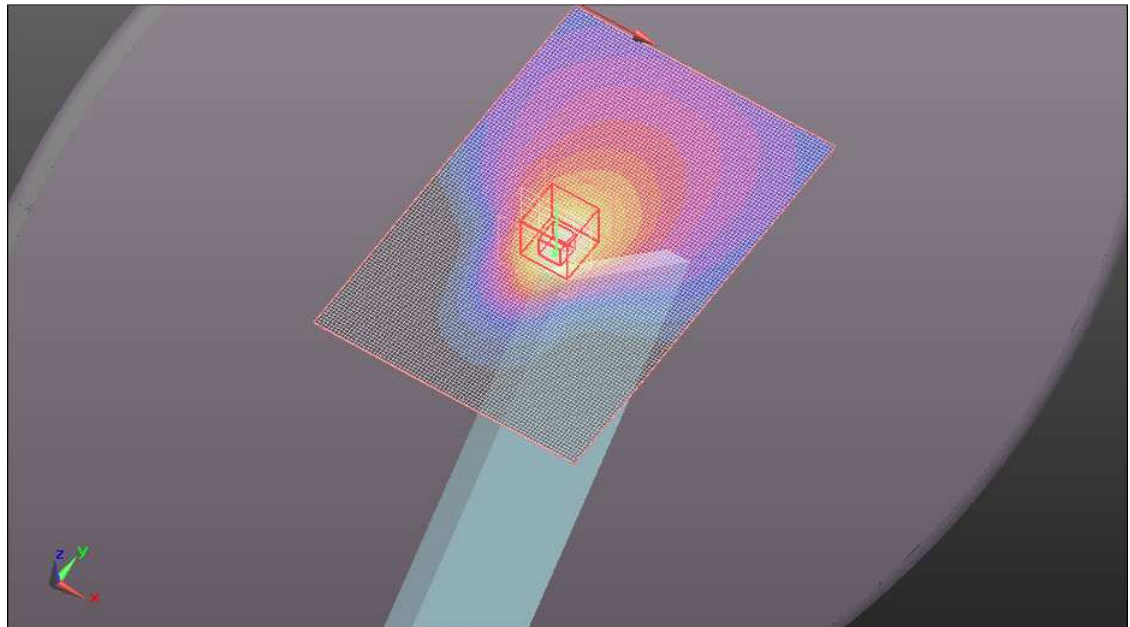
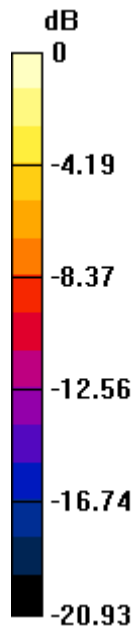
Reference Value = 25.688 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.437 W/kg

SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.408 mW/g

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

Maximum value of SAR (measured) = 1.083 mW/g



0 dB = 1.080mW/g

Test Laboratory: UL CCS SAR Lab C

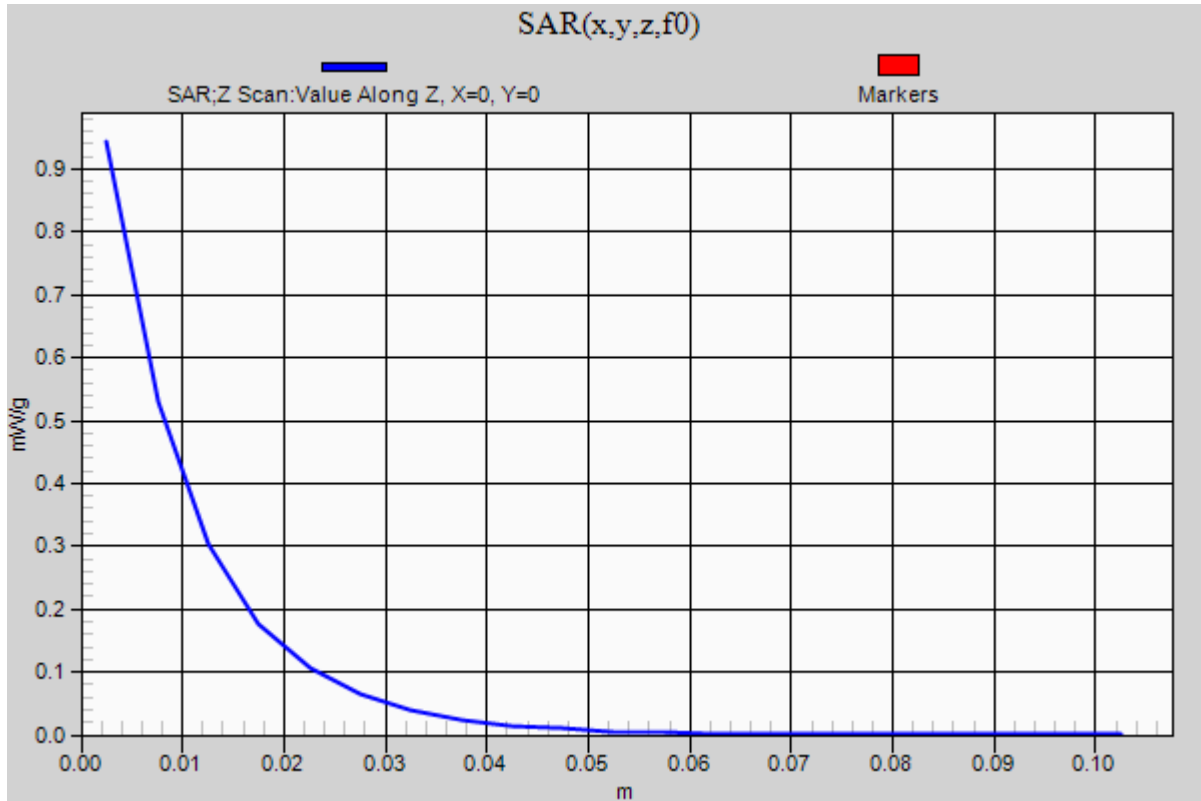
UMTS band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Secondary Landscape 45deg._0 mm/Mid-ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

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

Maximum value of SAR (measured) = 0.943 mW/g



Test Laboratory: UL CCS SAR Lab C

UMTS band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1754 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1754$ MHz; $\sigma = 1.487$ mho/m; $\epsilon_r = 53.09$; $\rho = 1000$ 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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Landscape 45deg._0 mm/High-ch/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.112 mW/g

Secondary Landscape 45deg._0 mm/High-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

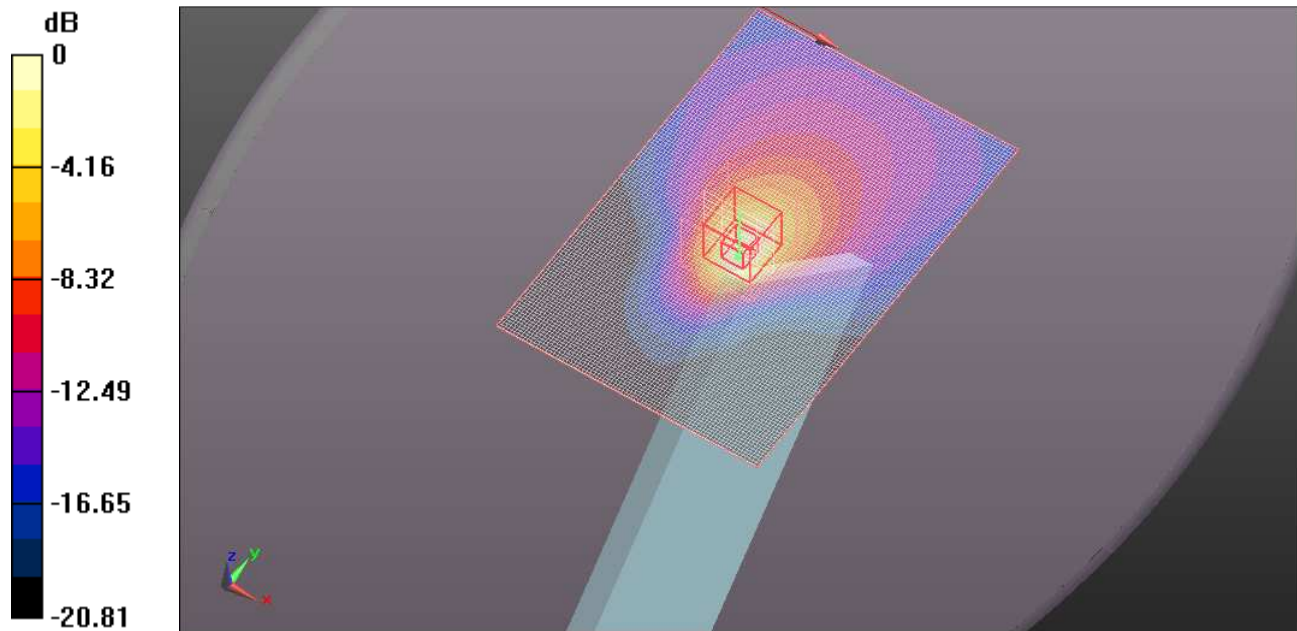
Reference Value = 24.826 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.370 W/kg

SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.386 mW/g

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

Maximum value of SAR (measured) = 1.030 mW/g



0 dB = 1.030mW/g

Test Laboratory: UL CCS SAR Lab C

02_WCDMA1700 Band IV (Full Power)

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.462$ mho/m; $\epsilon_r = 52.511$; $\rho = 1000$ 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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait_0 mm/R99_RMC_M-ch/Area Scan (71x161x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.522 mW/g

Secondary Portrait_0 mm/R99_RMC_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

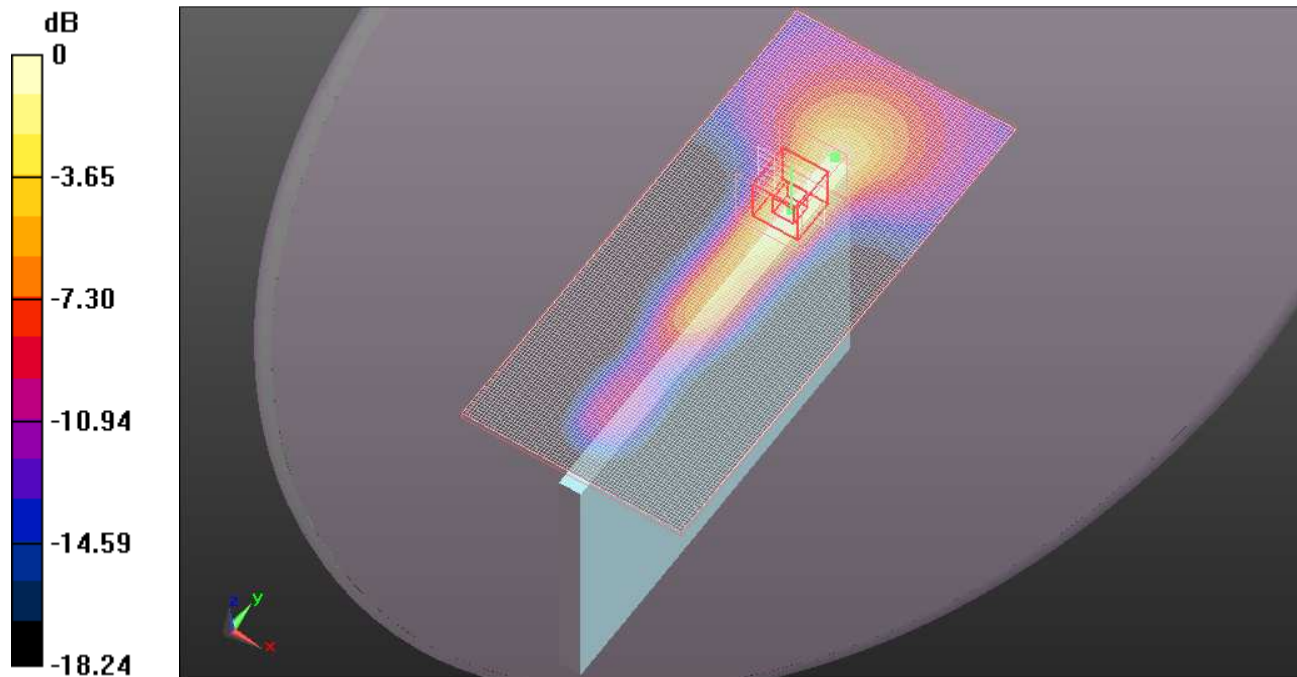
Reference Value = 17.574 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.221 mW/g

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

Maximum value of SAR (measured) = 0.646 mW/g



0 dB = 0.650mW/g

Test Laboratory: UL CCS SAR Lab A

01_WCDMA1900 Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.498$ mho/m; $\epsilon_r = 52.832$; $\rho = 1000$ 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(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Front Face_10 mm/R99_RMC_M-ch/Area Scan (111x161x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.823 mW/g

Front Face_10 mm/R99_RMC_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

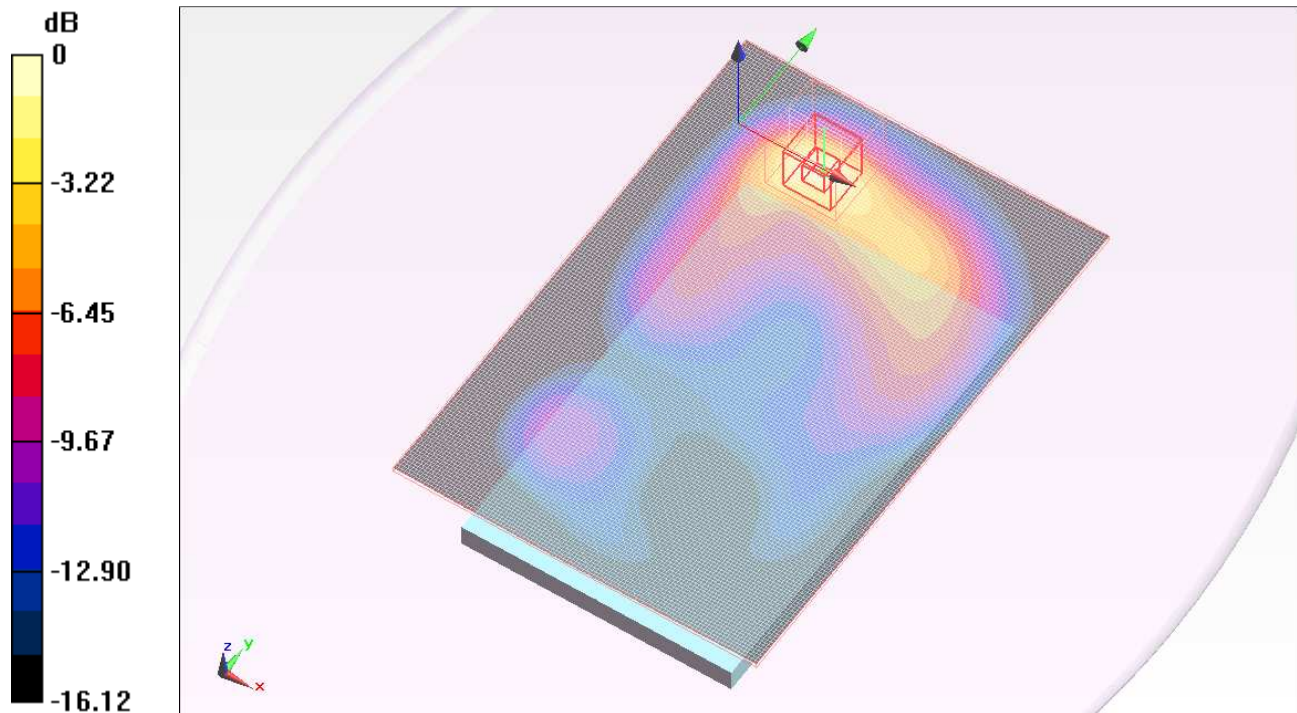
Reference Value = 22.079 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.199 W/kg

SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.365 mW/g

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

Maximum value of SAR (measured) = 0.902 mW/g



0 dB = 0.900mW/g

Test Laboratory: UL CCS SAR Lab C

01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1712.4 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.444$ mho/m; $\epsilon_r = 51.682$; $\rho = 1000$ 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(7.15, 7.15, 7.15); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face_0 mm/R99 RMC_L-ch/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.724 mW/g

Bottom Face_0 mm/R99 RMC_L-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

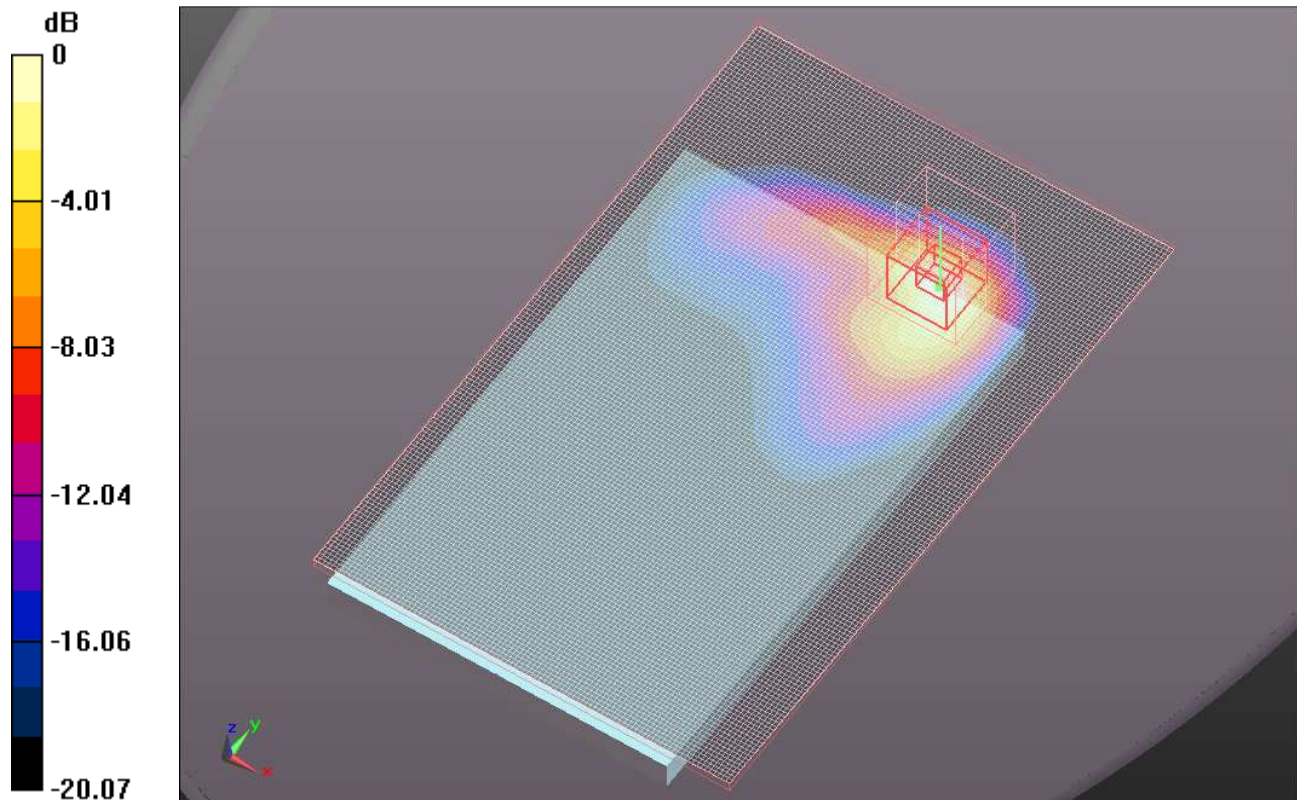
Reference Value = 28.815 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.194 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.515 mW/g

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

Maximum value of SAR (measured) = 1.543 mW/g



0 dB = 1.540mW/g

Test Laboratory: UL CCS SAR Lab C

01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.498$ mho/m; $\epsilon_r = 52.832$; $\rho = 1000$ 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(7.15, 7.15, 7.15); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face_0 mm/R99 RMC_M-ch/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.747 mW/g

Bottom Face_0 mm/R99 RMC_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

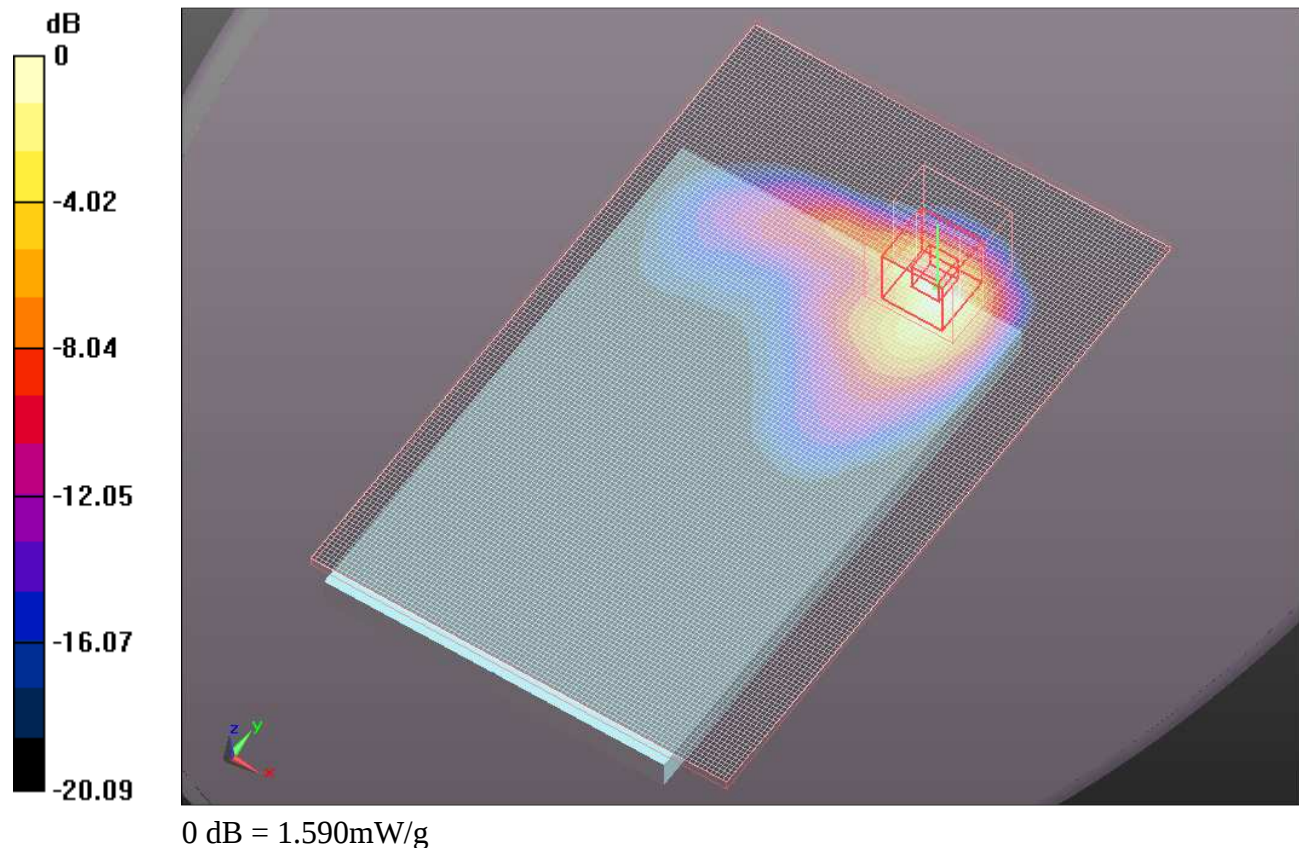
Reference Value = 28.766 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.264 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.526 mW/g

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

Maximum value of SAR (measured) = 1.593 mW/g



Test Laboratory: UL CCS SAR Lab C

01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1754 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1754$ MHz; $\sigma = 1.487$ mho/m; $\epsilon_r = 51.562$; $\rho = 1000$ 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(7.15, 7.15, 7.15); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face_0 mm/R99 RMC_H-ch/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.748 mW/g

Bottom Face_0 mm/R99 RMC_H-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

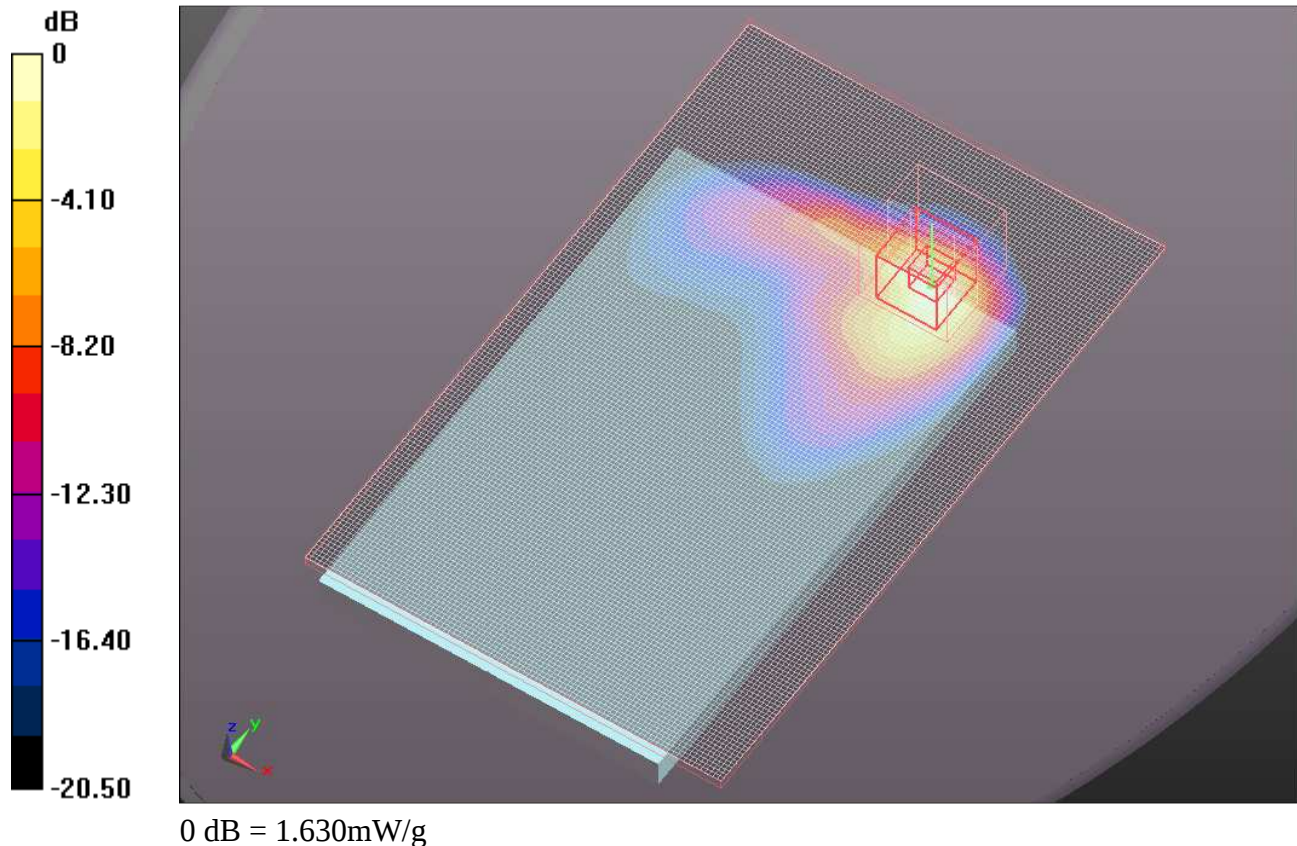
Reference Value = 28.094 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.305 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.530 mW/g

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

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



Test Laboratory: UL CCS SAR Lab C

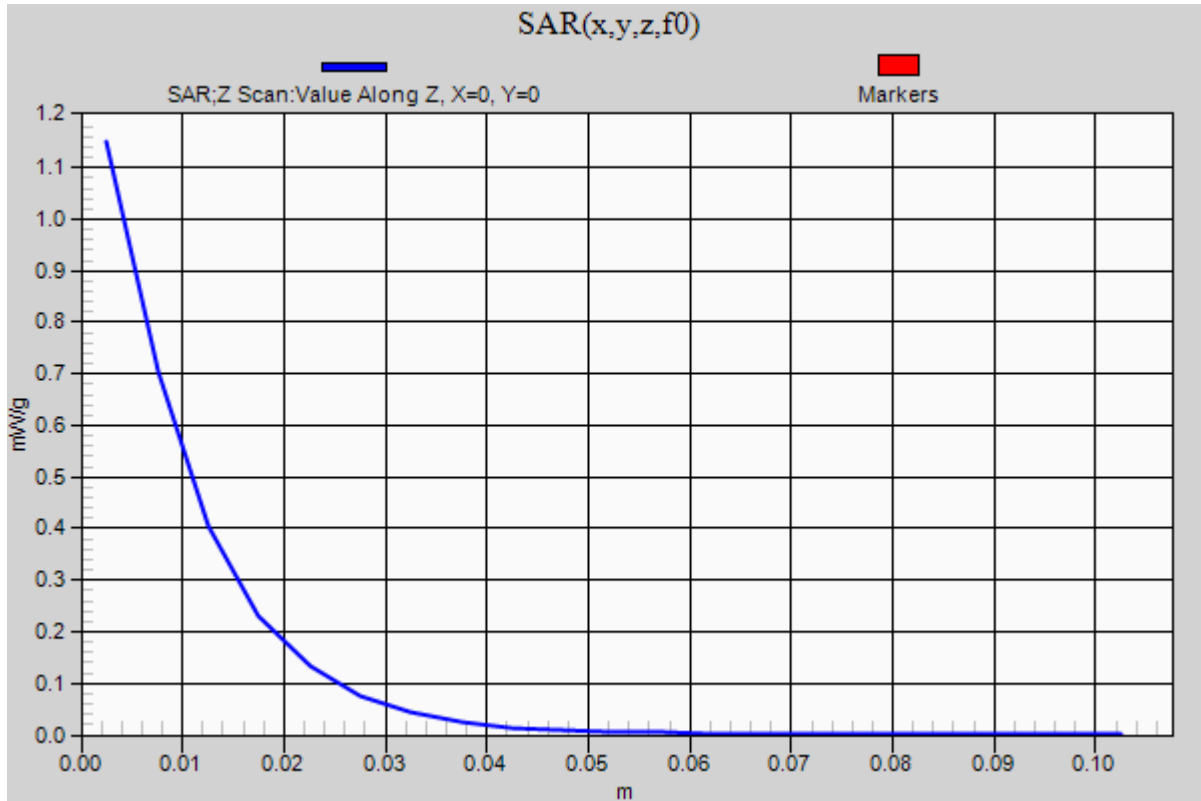
01_WCDMA1700_Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1754 MHz; Duty Cycle: 1:1

Bottom Face_0 mm/R99 RMC_H-ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

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

Maximum value of SAR (measured) = 1.150 mW/g



Test Laboratory: UL CCS SAR Lab C

01_WCDMA1700 Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.498$ mho/m; $\epsilon_r = 52.832$; $\rho = 1000$ 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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Landscape_0 mm/R99_RMC_M-ch/Area Scan (71x121x1): Measurement grid:

dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.888 mW/g

Secondary Landscape_0 mm/R99_RMC_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

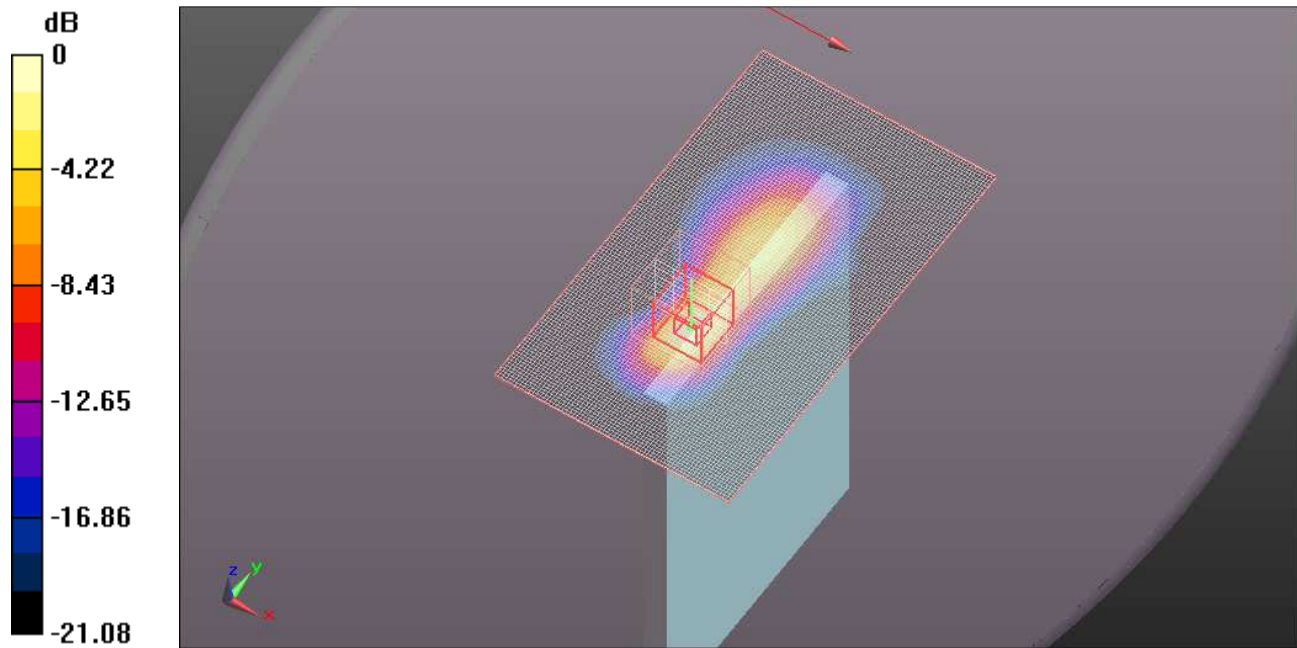
Reference Value = 17.255 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.327 W/kg

SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.278 mW/g

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

Maximum value of SAR (measured) = 0.958 mW/g



0 dB = 0.960mW/g

Test Laboratory: UL CCS SAR Lab A

01_WCDMA1700 Band IV

Communication System: UMTS-FDD (WCDMA); Frequency: 1732.6 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.498$ mho/m; $\epsilon_r = 52.832$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

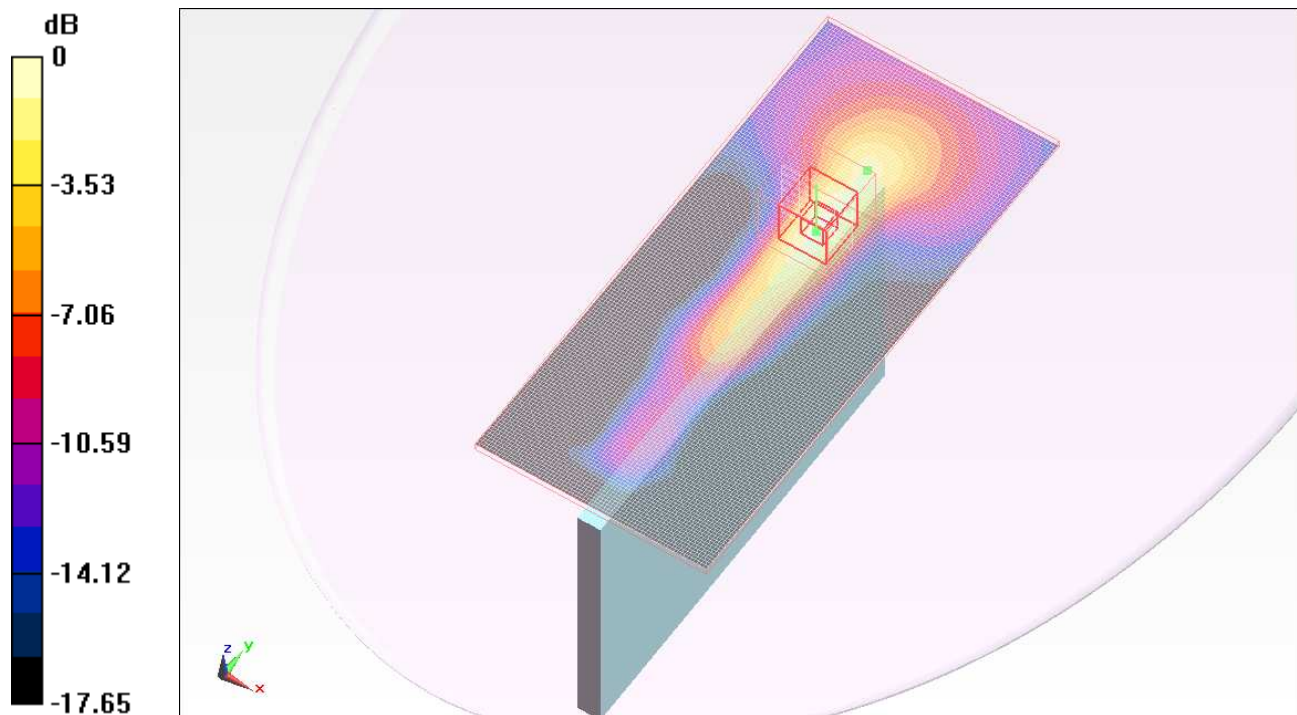
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait_0 mm/R99_RMC_M-ch/Area Scan (71x161x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.125 mW/g

Secondary Portrait_0 mm/R99_RMC_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 8.423 V/m; Power Drift = 0.07 dB
 Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.053 mW/g
 Maximum value of SAR (measured) = 0.151 mW/g



0 dB = 0.150mW/g