

17.11 SAR test plots for LTE Band26(Range 814 - 824 MHz)

LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Edge1 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,

E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 54.94$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.21 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 38.35 V/m; Power Drift = -0.02 dB

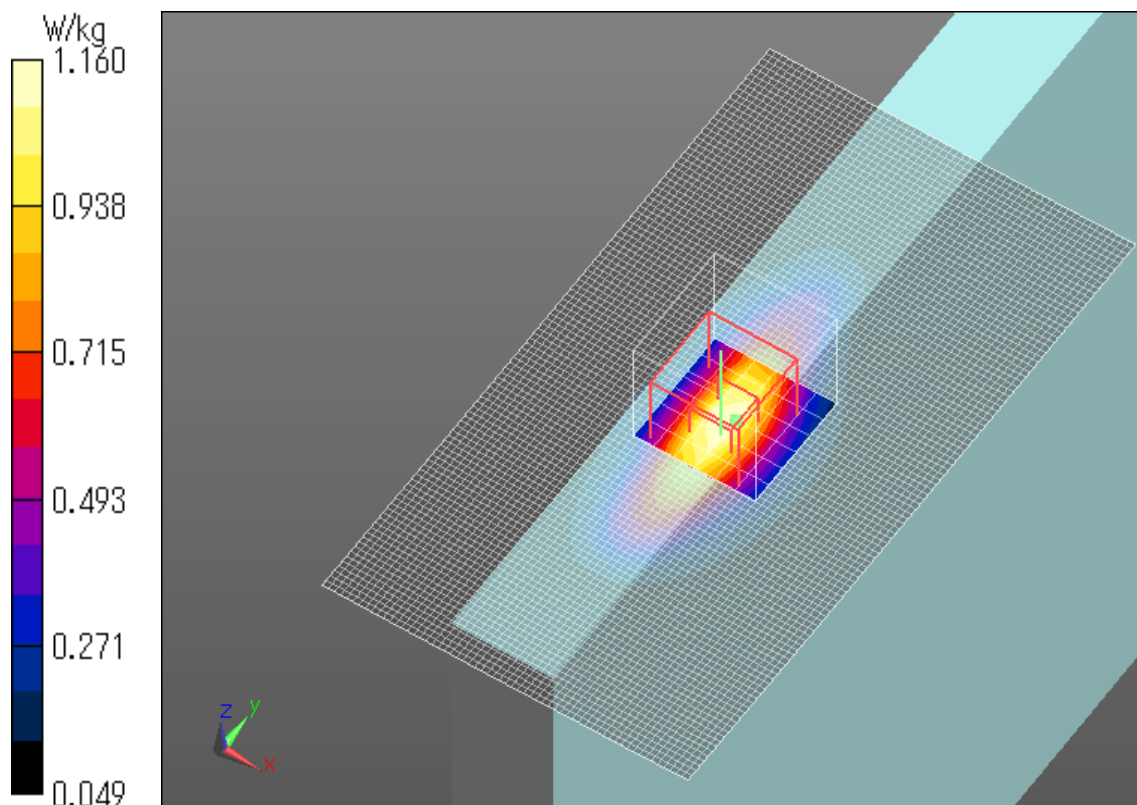
Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.463 W/kg

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

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.: 23.5 degree.C.



Plot No. 1

LTE Band26 (Range 814 - 824MHz) QPSK Allocation25 Start0 819MHz Edge1 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26, E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 54.94$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 38.12 V/m; Power Drift = -0.01 dB

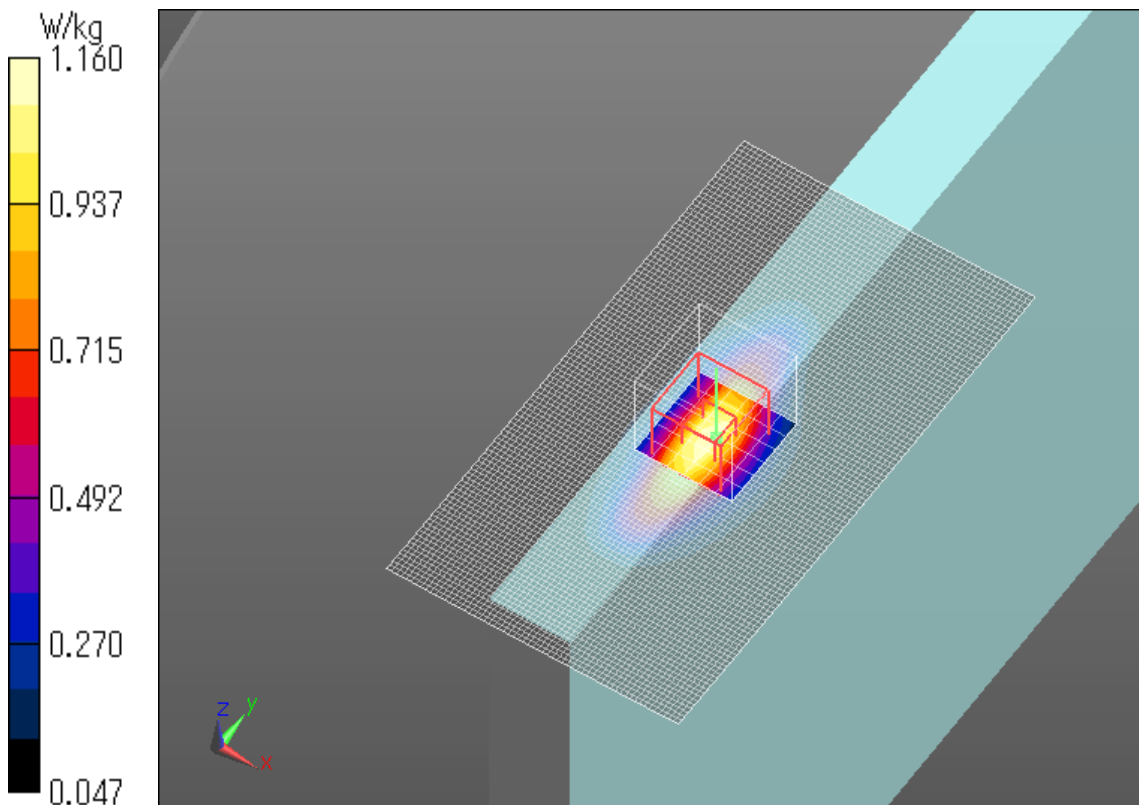
Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.458 W/kg

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

Date: 2017/01/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation50 Start0 819MHz Edge1 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26, E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 54.94$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 38.16 V/m; Power Drift = -0.01 dB

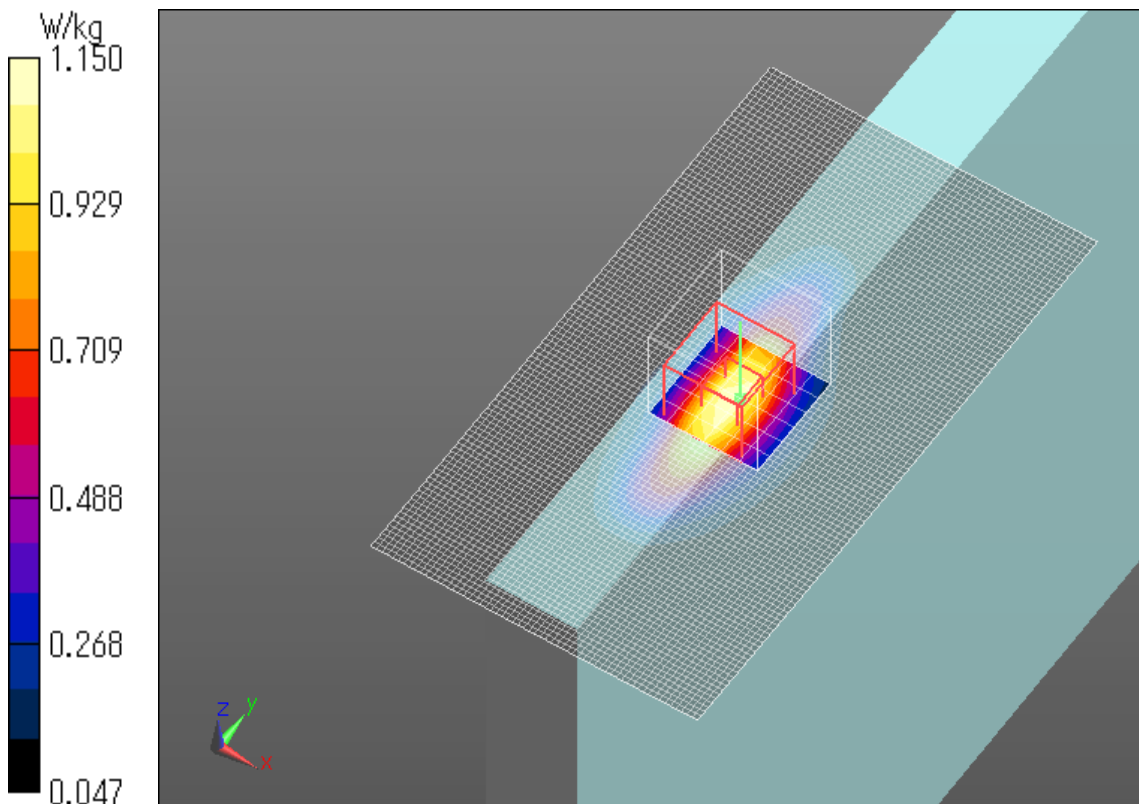
Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.454 W/kg

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

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Rear 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26, E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 54.94$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.429 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.93 V/m; Power Drift = 0.05 dB

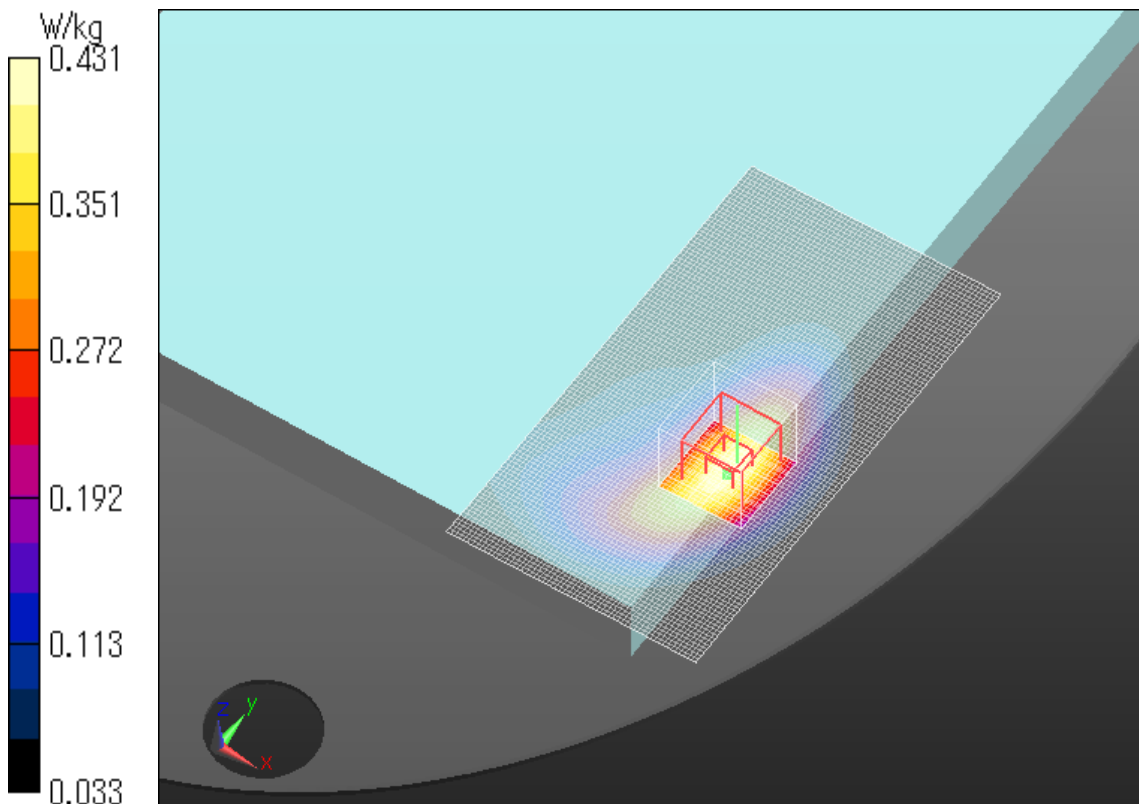
Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 0.431 W/kg

Date: 2017/01/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation25 Start0 819MHz Rear 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26, E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 54.94$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.428 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 23.10 V/m; Power Drift = -0.07 dB

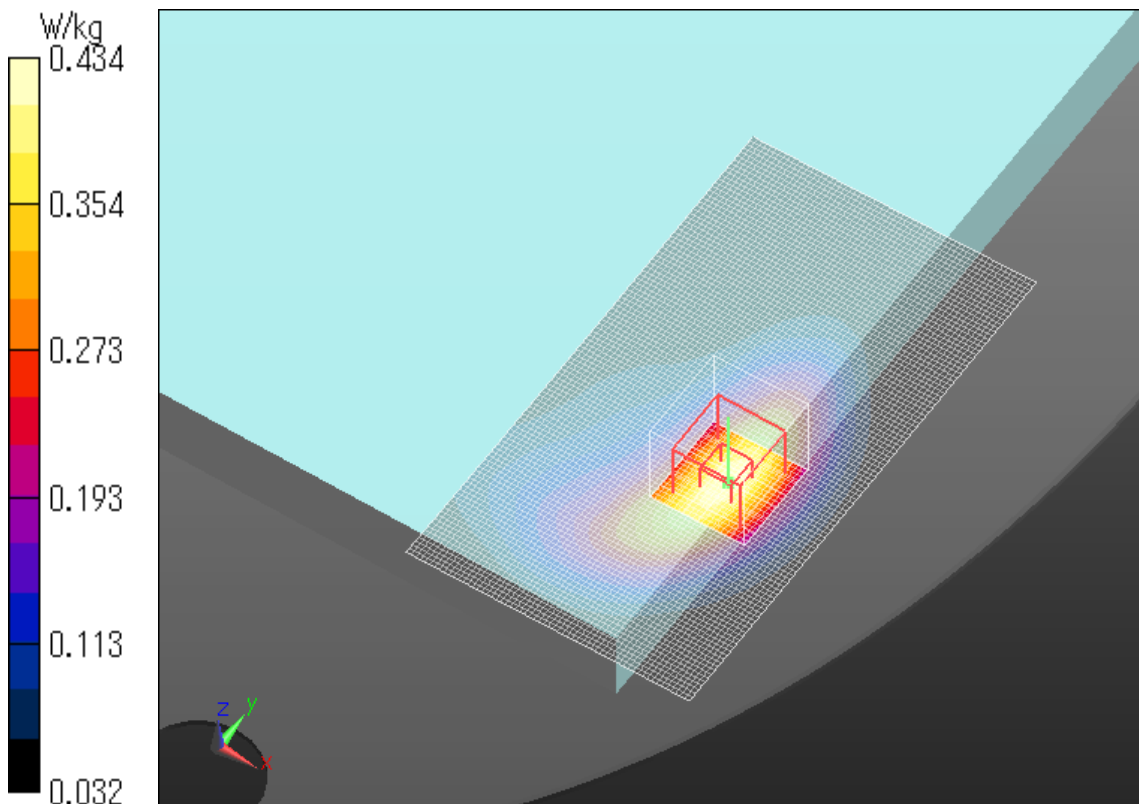
Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 0.434 W/kg

Date: 2017/01/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Edge1 37mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,

E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.166 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.12 V/m; Power Drift = -0.07 dB

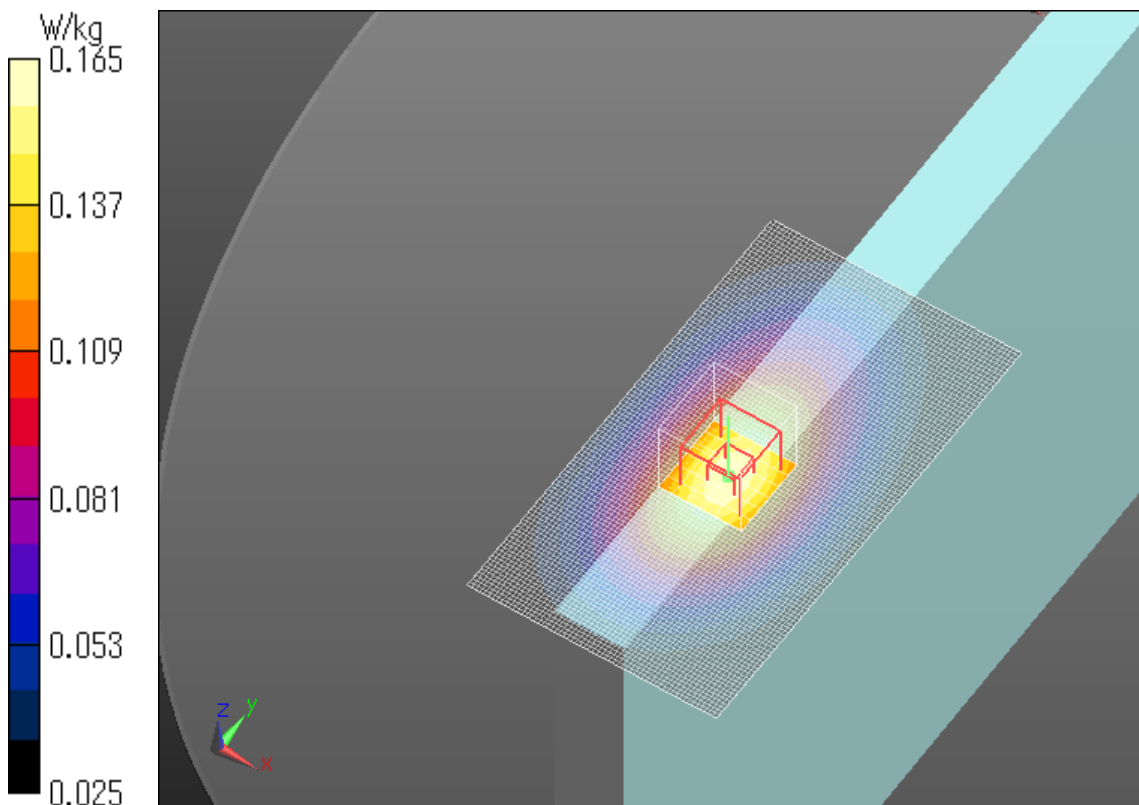
Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.103 W/kg

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

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation25 Start0 819MHz Edge1 37mm

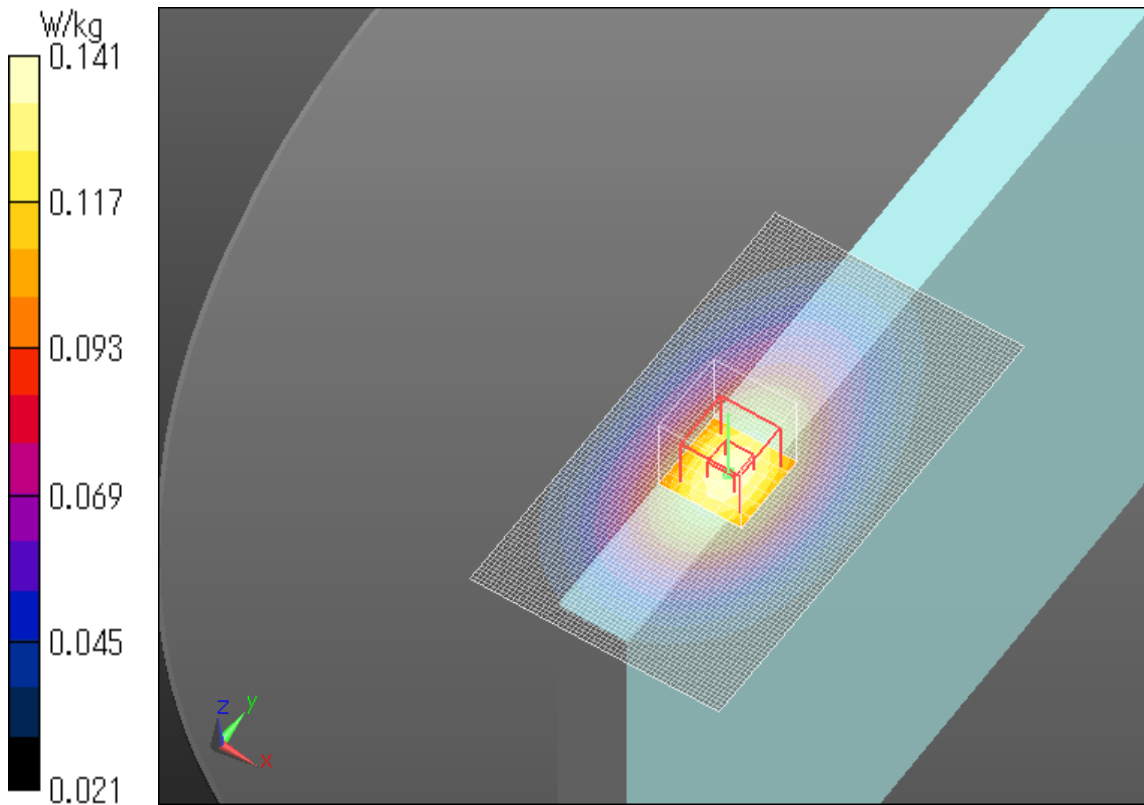
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,
E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.140 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.00 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.087 W/kg
Maximum value of SAR (measured) = 0.141 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Edge2 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,

E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0117 W/kg

Zoom Scan (7x9x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.623 V/m; Power Drift = -0.17 dB

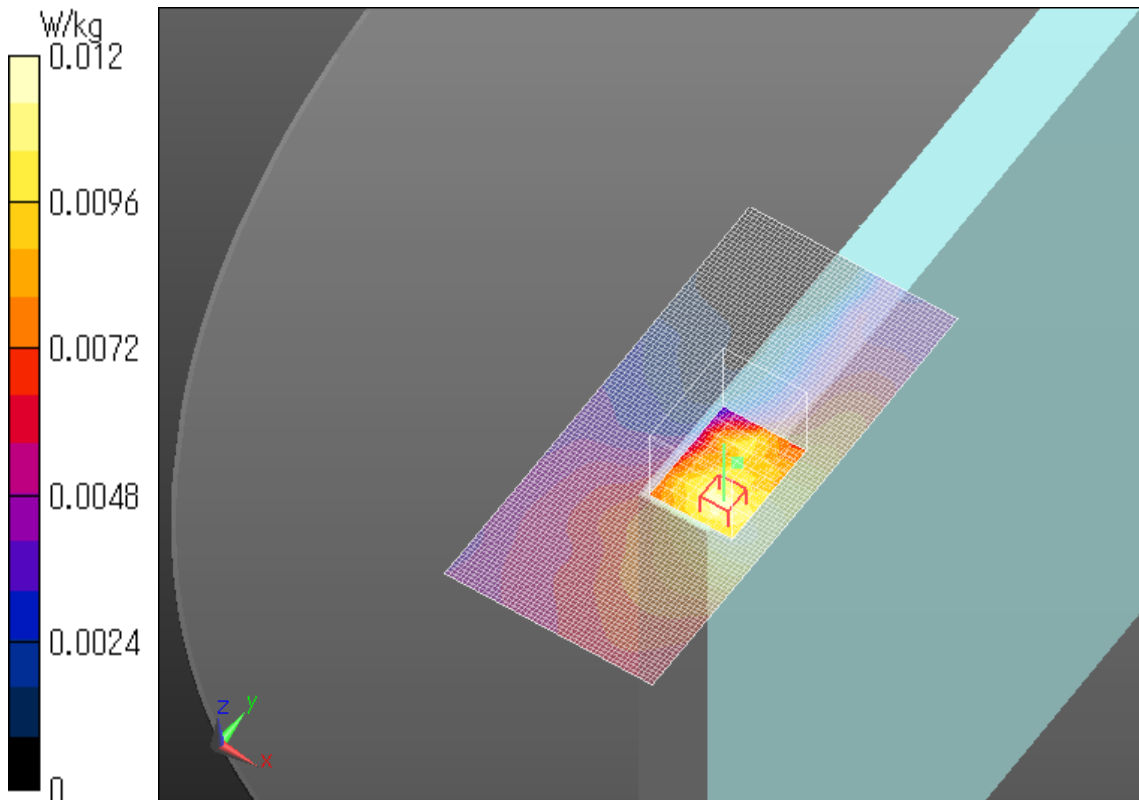
Peak SAR (extrapolated) = 0.0140 W/kg

SAR(1 g) = 0.00943 W/kg

Maximum value of SAR (measured) = 0.0120 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation50 Start0 819MHz Edge2 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,

E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.00946 W/kg

Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.371 V/m; Power Drift = -0.01 dB

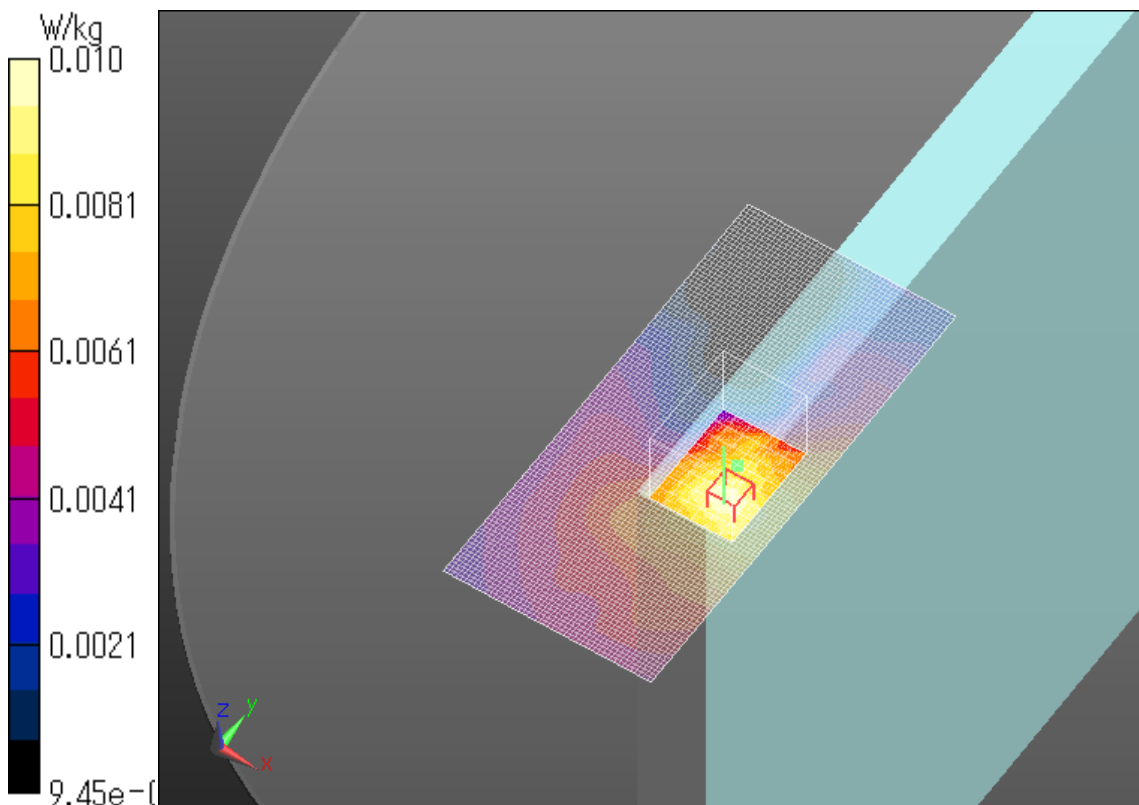
Peak SAR (extrapolated) = 0.0120 W/kg

SAR(1 g) = 0.00821 W/kg

Maximum value of SAR (measured) = 0.0101 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Edge2 tilt 0mm

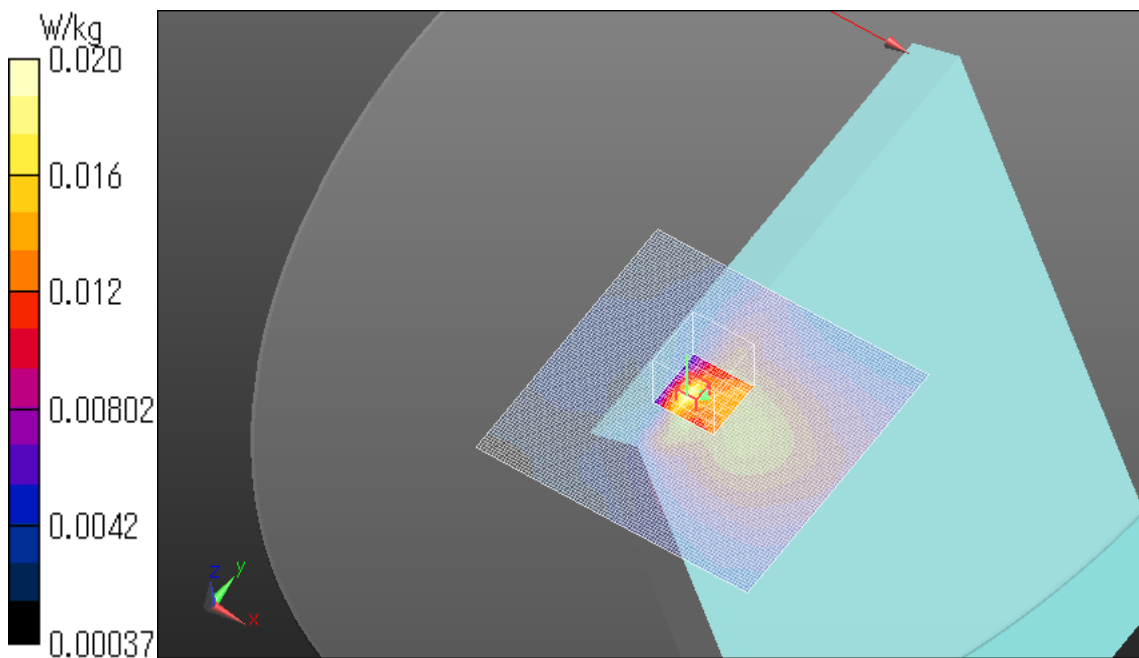
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,
E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.957$ S/m; $\epsilon_r = 54.845$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(9.6, 9.6, 9.6); Calibrated: 2016/05/12;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2016/05/13
Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (91x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0192 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.283 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0280 W/kg
SAR(1 g) = 0.012 W/kg
Maximum value of SAR (measured) = 0.0195 W/kg

Date: 2017/02/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation25 Start0 819MHz Edge2 tilt 0mm

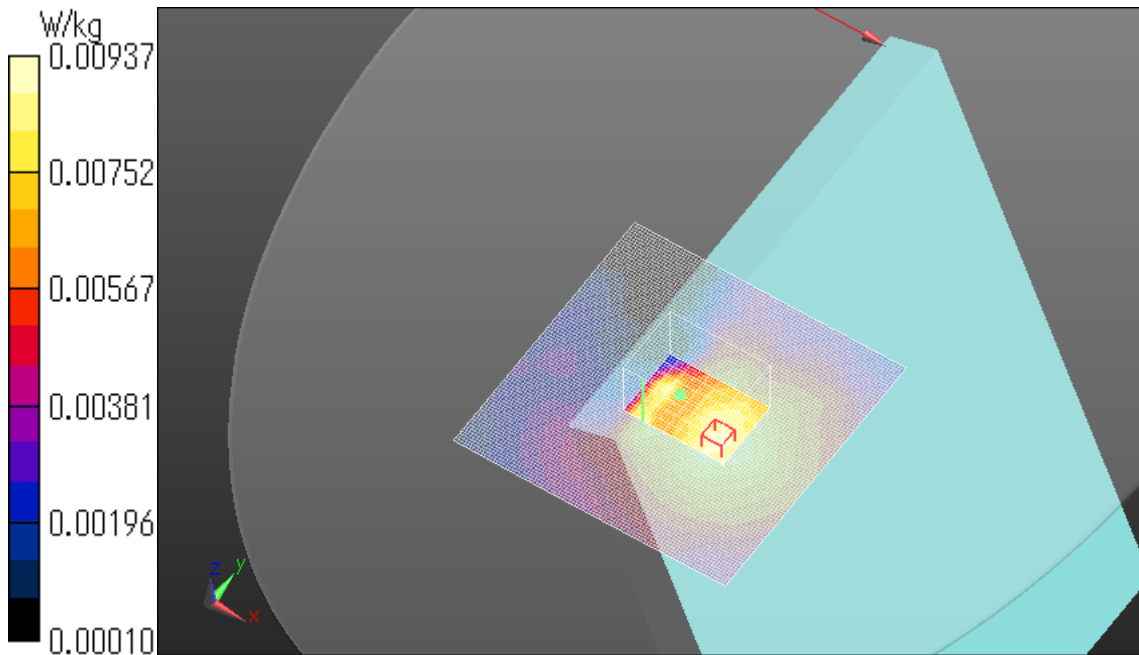
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,
E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.957$ S/m; $\epsilon_r = 54.845$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(9.6, 9.6, 9.6); Calibrated: 2016/05/12;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2016/05/13
Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (91x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.00988 W/kg

Zoom Scan (11x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.907 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0130 W/kg
SAR(1 g) = 0.00744 W/kg
Maximum value of SAR (measured) = 0.00937 W/kg

Date: 2017/02/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Edge3 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,

E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0555 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.678 V/m; Power Drift = -0.19 dB

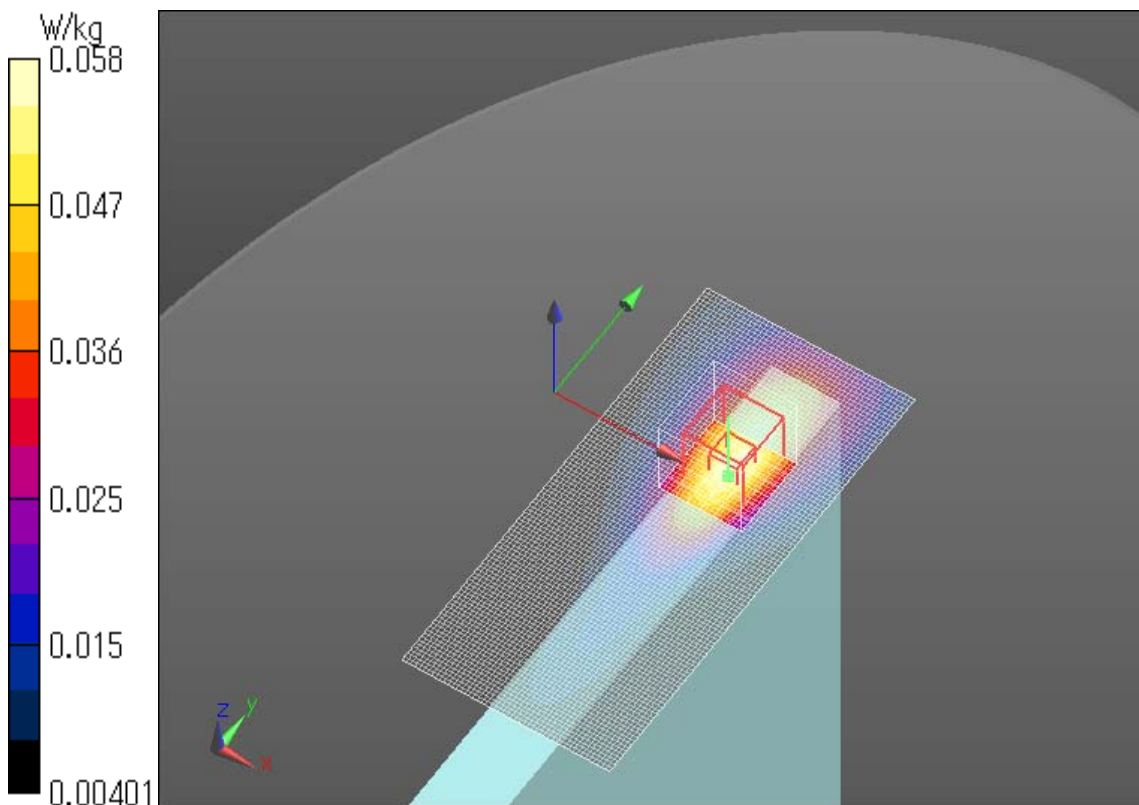
Peak SAR (extrapolated) = 0.0710 W/kg

SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.0576 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation25 Start0 819MHz Edge3 0mm

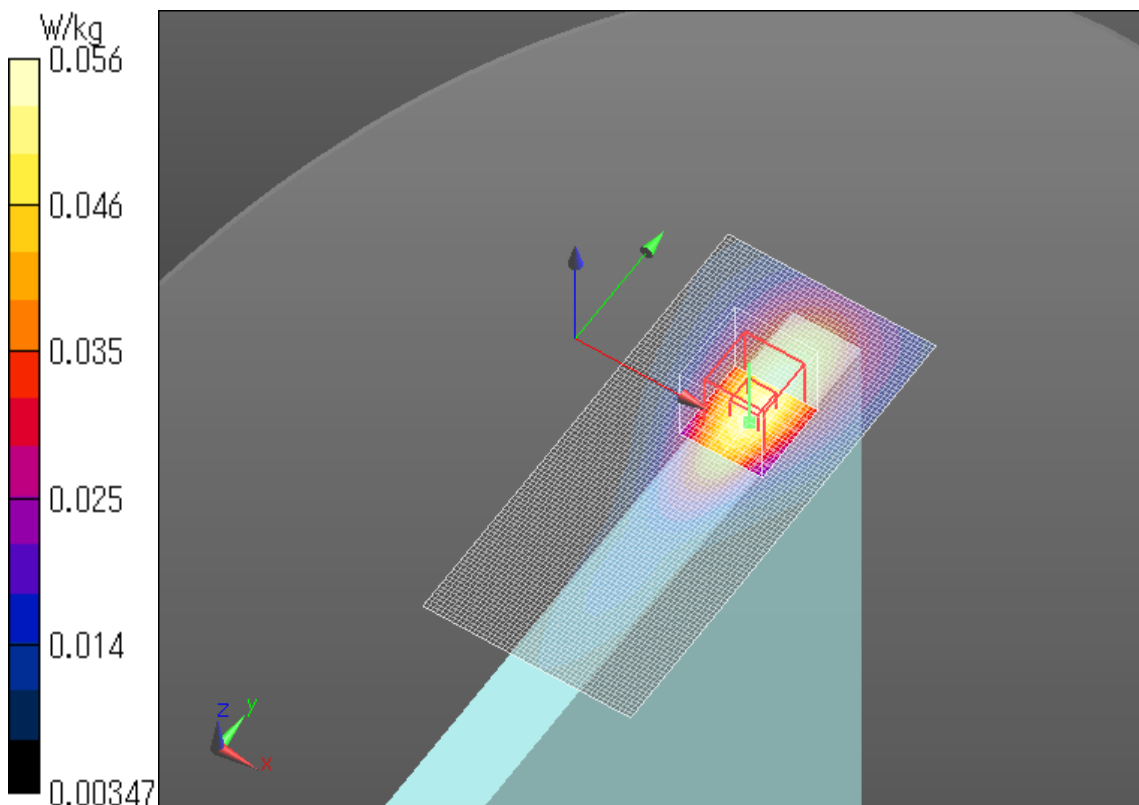
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,
E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0543 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.382 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.0690 W/kg
SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.0562 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Edge4 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,

E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.302 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 19.75 V/m; Power Drift = -0.05 dB

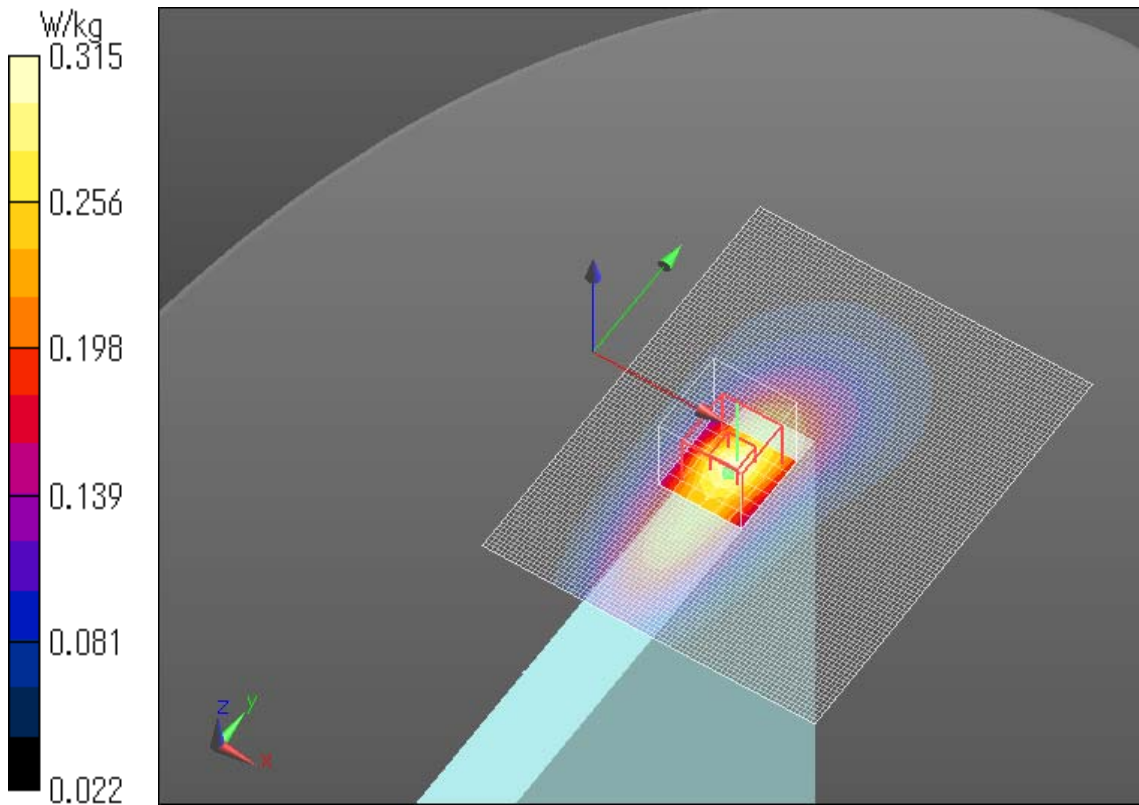
Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.315 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation25 Start0 819MHz Edge4 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,

E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.40 V/m; Power Drift = -0.07 dB

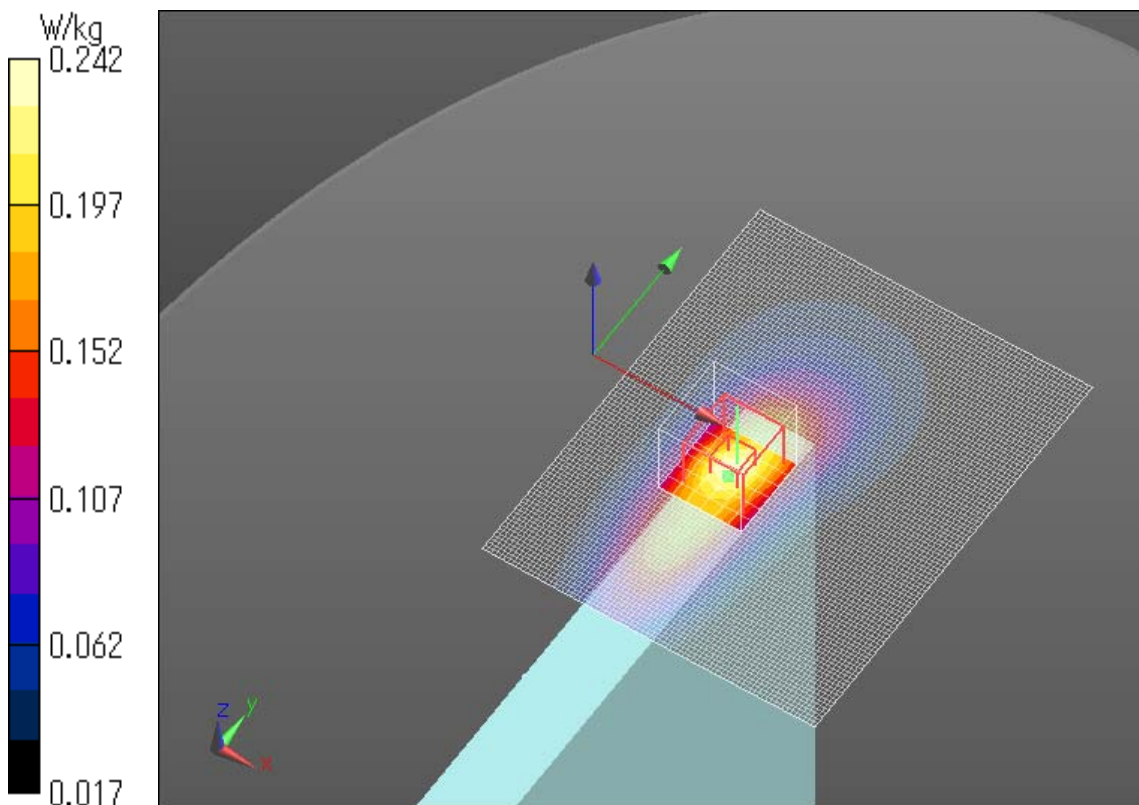
Peak SAR (extrapolated) = 0.302 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.242 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Edge4 tilt 0mm

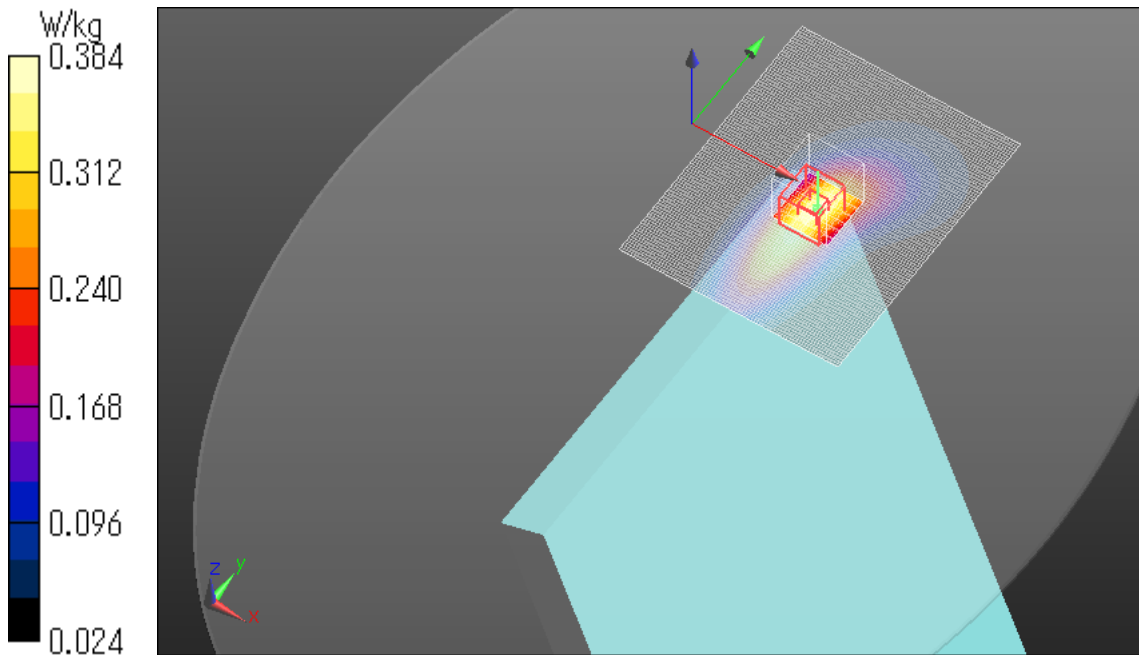
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,
E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.957$ S/m; $\epsilon_r = 54.845$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(9.6, 9.6, 9.6); Calibrated: 2016/05/12;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2016/05/13
Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.372 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.83 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.470 W/kg
SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.384 W/kg

Date: 2017/02/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation25 Start0 819MHz Edge4 tilt 0mm

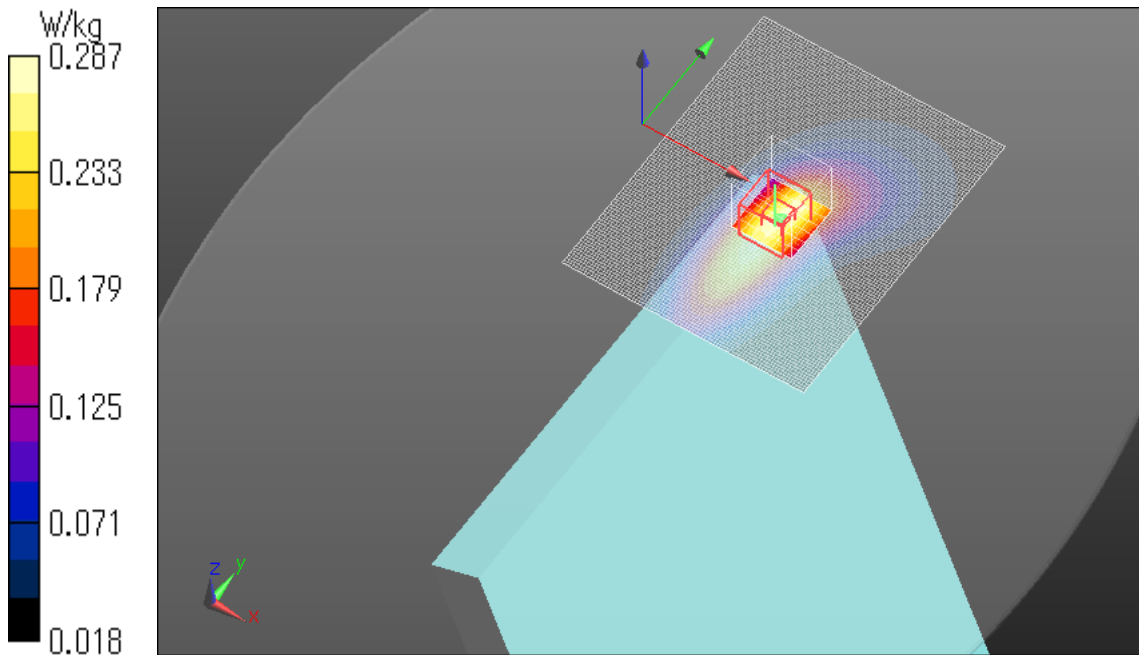
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,
E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.957$ S/m; $\epsilon_r = 54.845$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(9.6, 9.6, 9.6); Calibrated: 2016/05/12;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2016/05/13
Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.284 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.08 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.349 W/kg
SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 0.287 W/kg

Date: 2017/02/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation1 Start0 819MHz Rear 20mm

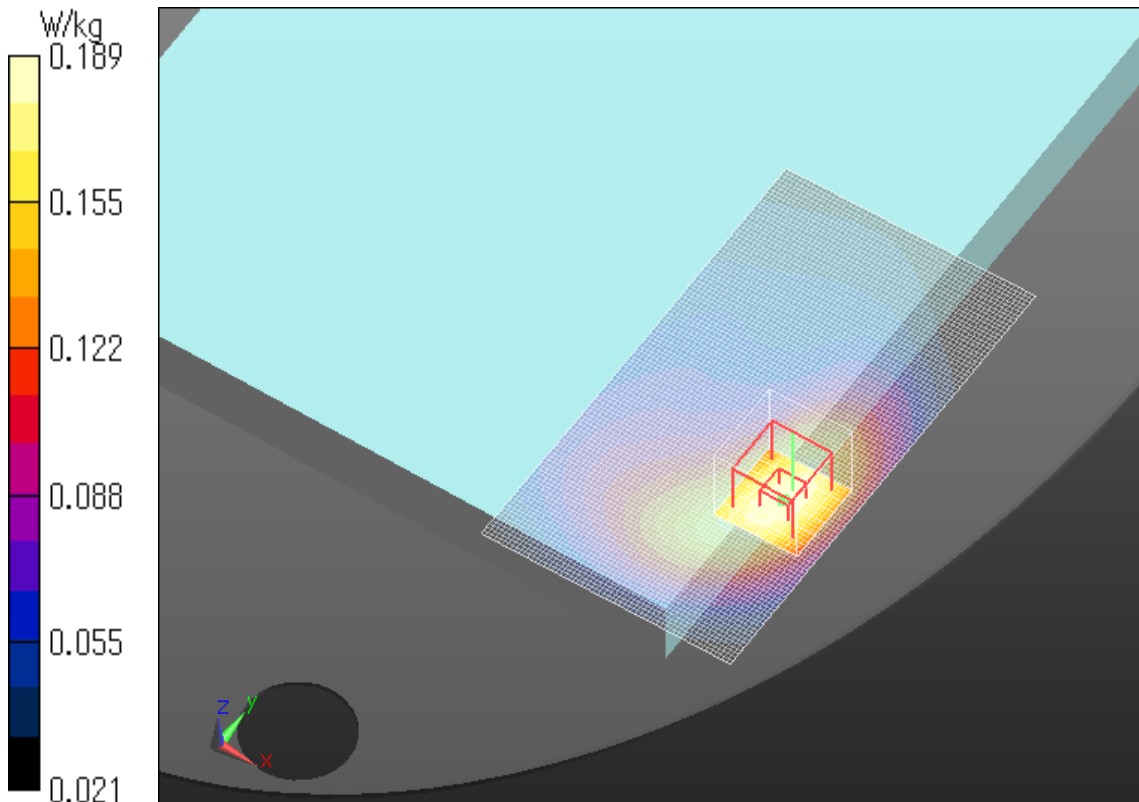
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,
E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.189 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.16 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.211 W/kg
SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.116 W/kg
Maximum value of SAR (measured) = 0.189 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band26 (Range 814 - 824MHz) QPSK Allocation25 Start0 819MHz Rear 20mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 26,

E-UTRA/FDD (814.0 - 824.0 MHz); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 819$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 54.483$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.153 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.59 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.153 W/kg

Date: 2017/01/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

