

17.13 SAR test plots for LTE Band41

LTE Band41 QPSK Allocation1 Start49 2680MHz Edge1 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.345$ S/m; $\epsilon_r = 50.941$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (61x131x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.872 W/kg

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

Reference Value = 22.94 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.978 W/kg

Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.94 V/m; Power Drift = -0.16 dB

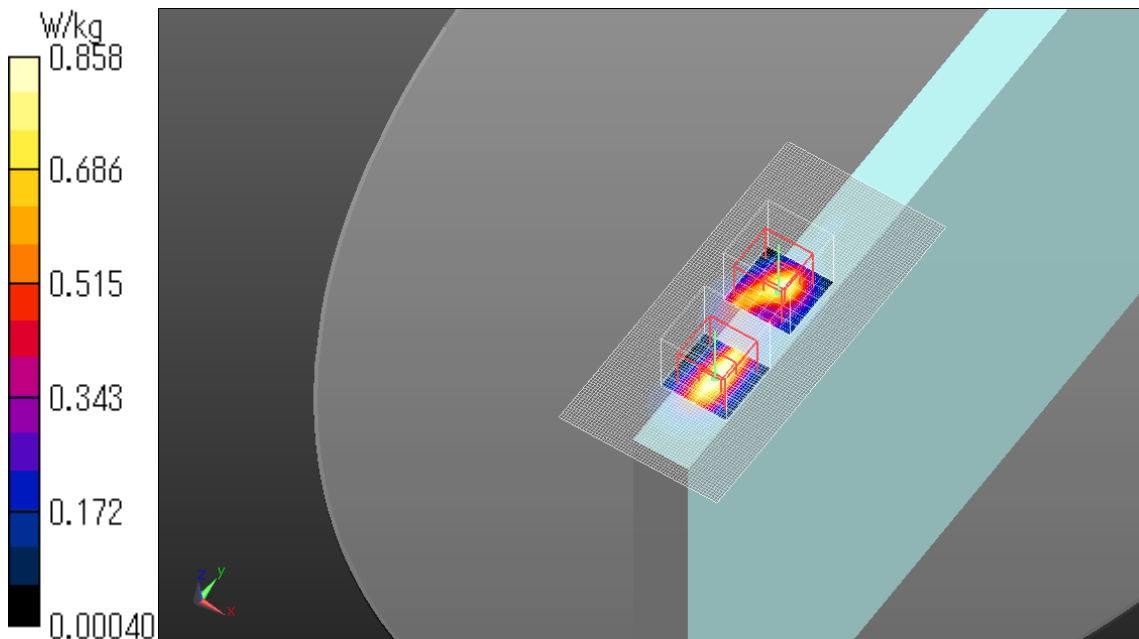
Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.221 W/kg

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

Date: 2017/01/20

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



LTE Band41 QPSK Allocation50 Start49 2680MHz Edge1 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41,
E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.345$ S/m; $\epsilon_r = 50.941$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (61x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.873 W/kg

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

Reference Value = 21.26 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.226 W/kg

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

Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.26 V/m; Power Drift = 0.00 dB

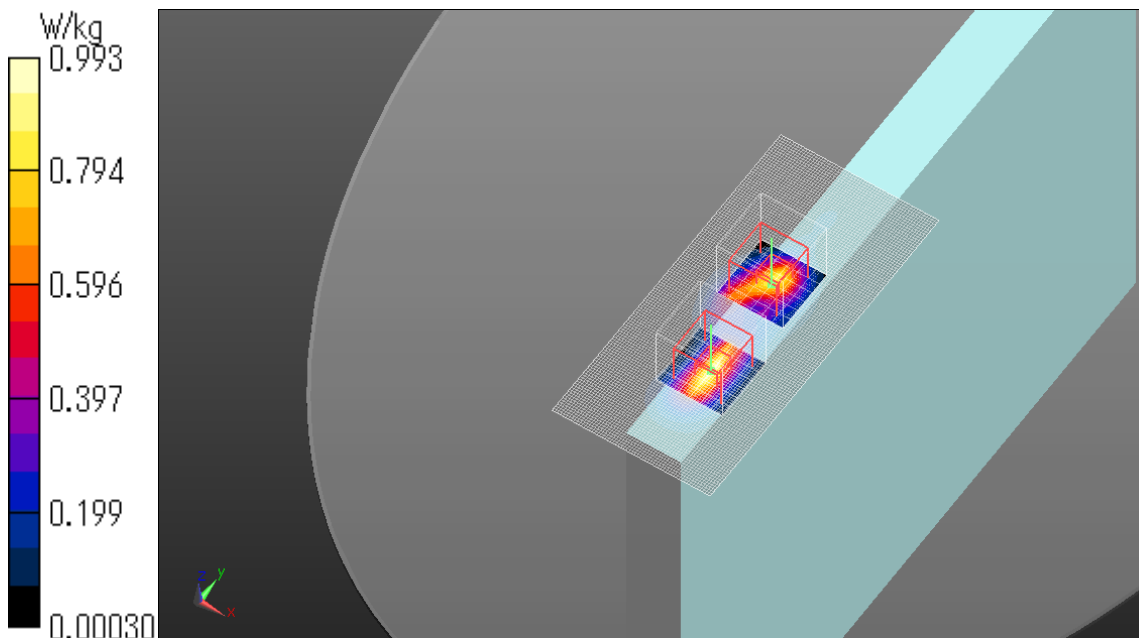
Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.993 W/kg

Date: 2017/01/20

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



LTE Band41 QPSK Allocation1 Start49 2680MHz Rear 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41,
E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.345$ S/m; $\epsilon_r = 50.941$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (61x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.709 W/kg

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

Reference Value = 18.03 V/m; Power Drift = -0.07 dB

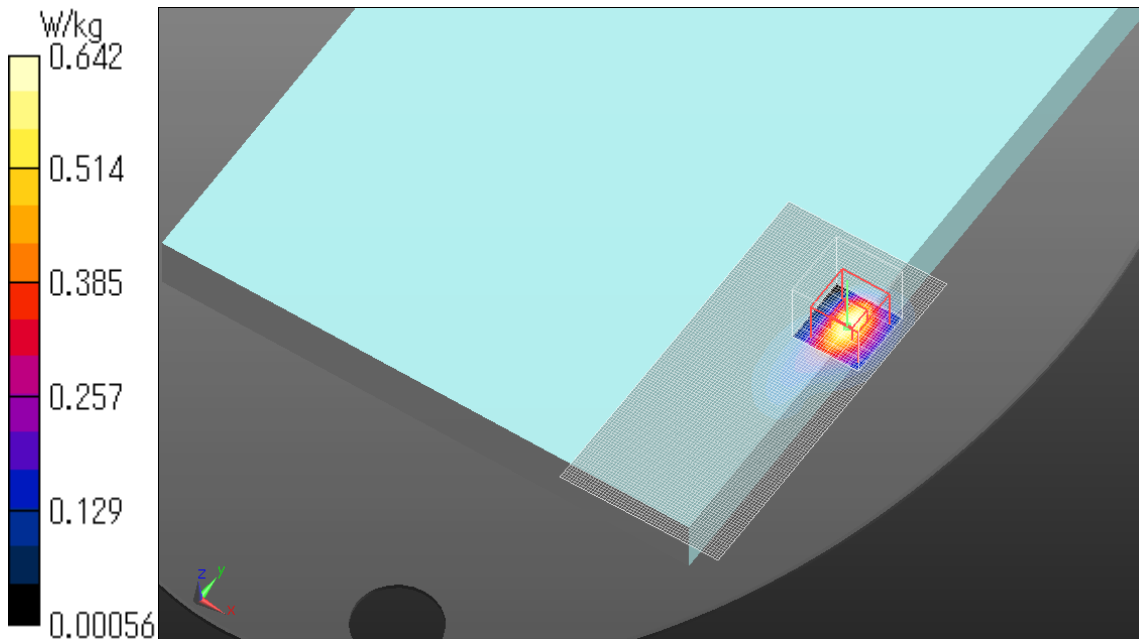
Peak SAR (extrapolated) = 0.915 W/kg

SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.642 W/kg

Date: 2017/01/20

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



LTE Band41 QPSK Allocation50 Start49 2680MHz Rear 0mm Power Reduction

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41,
E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.345$ S/m; $\epsilon_r = 50.941$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (61x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.688 W/kg

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

Reference Value = 18.11 V/m; Power Drift = -0.10 dB

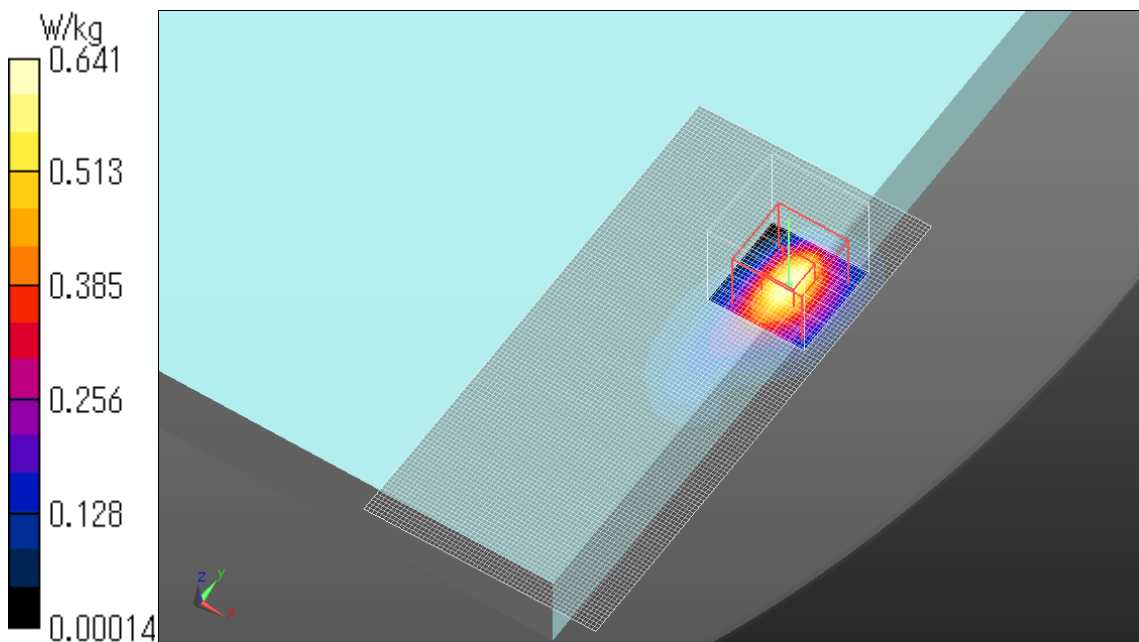
Peak SAR (extrapolated) = 0.905 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.641 W/kg

Date: 2017/01/20

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



LTE Band41 QPSK Allocation1 Start49 2680MHz Edge1 39mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41,
E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (61x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.178 W/kg

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

Reference Value = 9.536 V/m; Power Drift = -0.07 dB

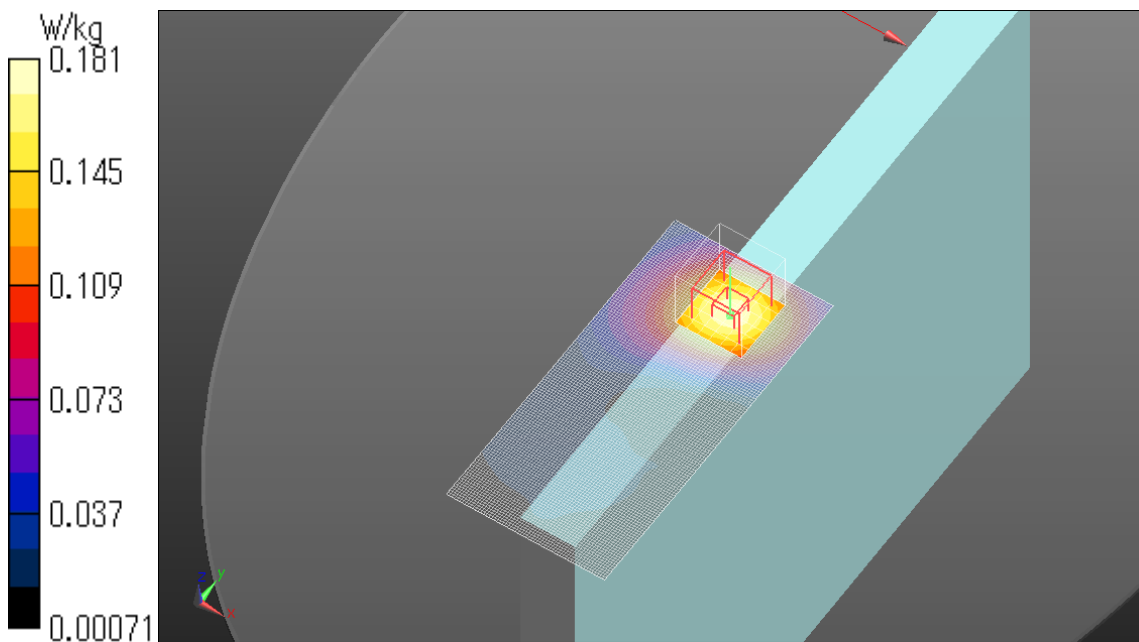
Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.070 W/kg

Maximum value of SAR (measured) = 0.181 W/kg

Date: 2017/01/23

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



LTE Band41 QPSK Allocation50 Start24 2680MHz Edge1 39mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (61x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.146 W/kg

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

Reference Value = 8.614 V/m; Power Drift = -0.01 dB

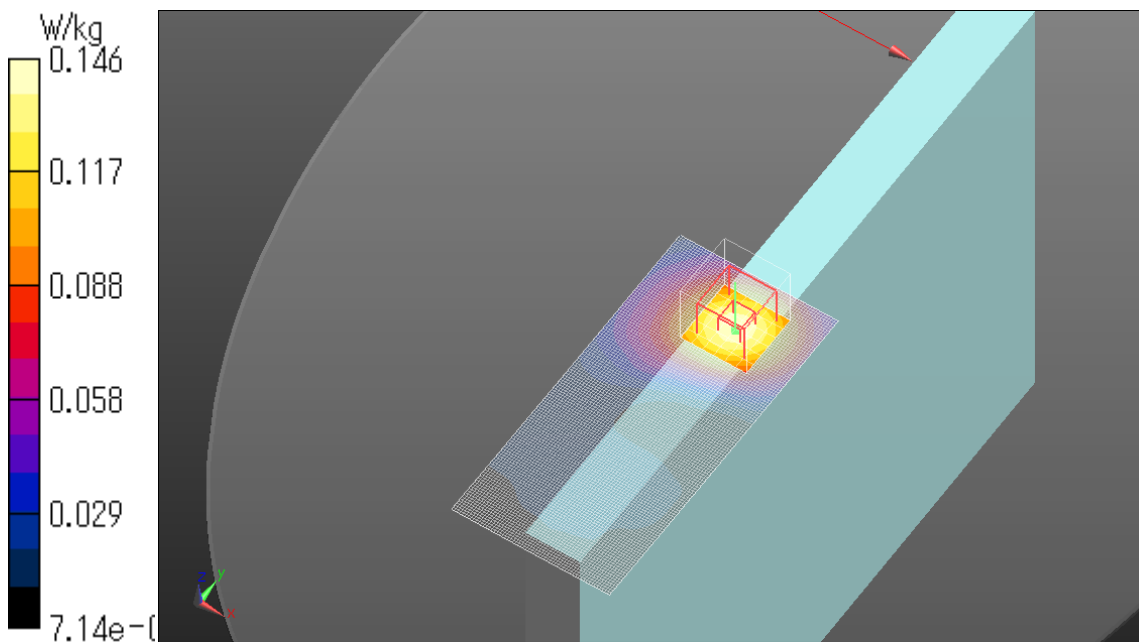
Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.146 W/kg

Date: 2017/01/23

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



LTE Band41 QPSK Allocation1 Start49 2680MHz Edge2 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (61x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0126 W/kg

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

Reference Value = 2.077 V/m; Power Drift = 0.04 dB

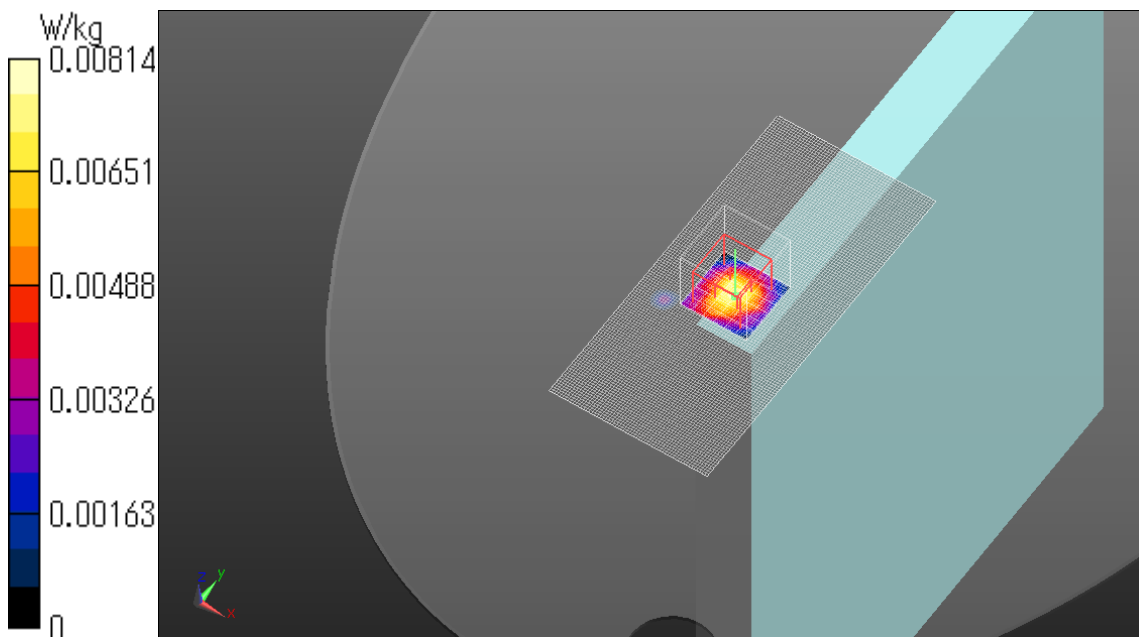
Peak SAR (extrapolated) = 0.0110 W/kg

SAR(1 g) = 0.00521 W/kg; SAR(10 g) = 0.00209 W/kg

Maximum value of SAR (measured) = 0.00814 W/kg

Date: 2017/01/23

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



LTE Band41 QPSK Allocation50 Start24 2680MHz Edge2 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (61x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.00550 W/kg

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

Reference Value = 1.515 V/m; Power Drift = 0.15 dB

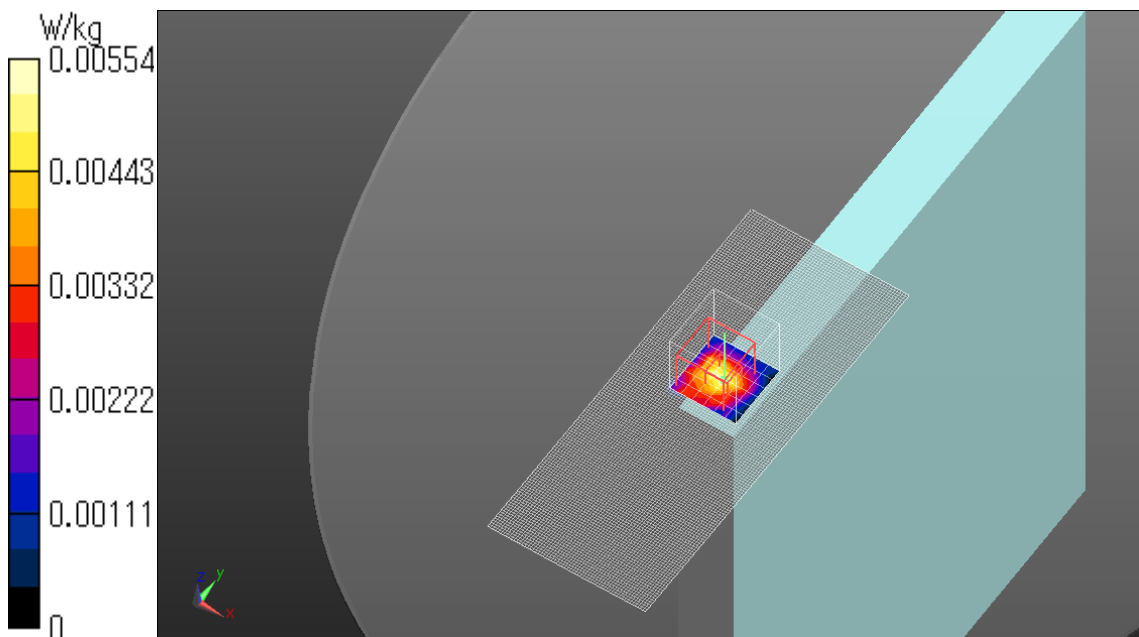
Peak SAR (extrapolated) = 0.00658 W/kg

SAR(1 g) = 0.00331 W/kg; SAR(10 g) = 0.00119 W/kg

Maximum value of SAR (measured) = 0.00554 W/kg

Date: 2017/01/23

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



LTE Band41 QPSK Allocation1 Start49 2680MHz Edge2 tilt 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.23$ S/m; $\epsilon_r = 50.797$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (111x111x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0155 W/kg

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

Reference Value = 2.577 V/m; Power Drift = -0.07 dB

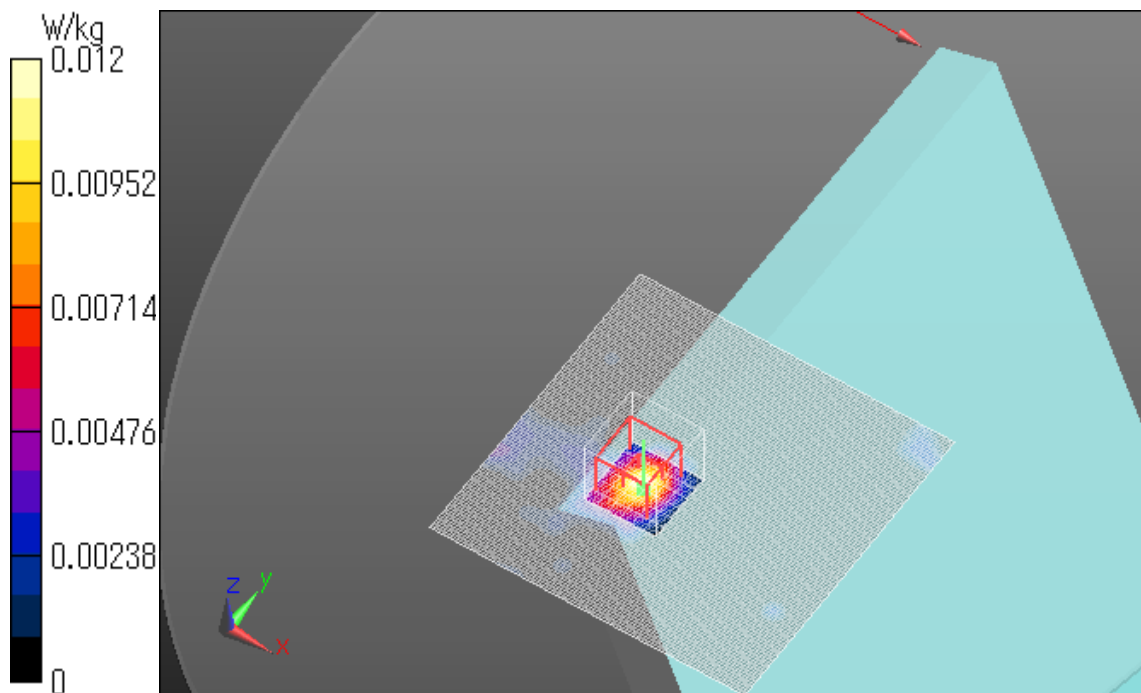
Peak SAR (extrapolated) = 0.0170 W/kg

SAR(1 g) = 0.0073 W/kg; SAR(10 g) = 0.00277 W/kg

Maximum value of SAR (measured) = 0.0119 W/kg

Date: 2017/02/21

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



LTE Band41 QPSK Allocation50 Start24 2680MHz Edge2 tilt 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.23$ S/m; $\epsilon_r = 50.797$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (111x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0103 W/kg

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

Reference Value = 2.031 V/m; Power Drift = -0.07 dB

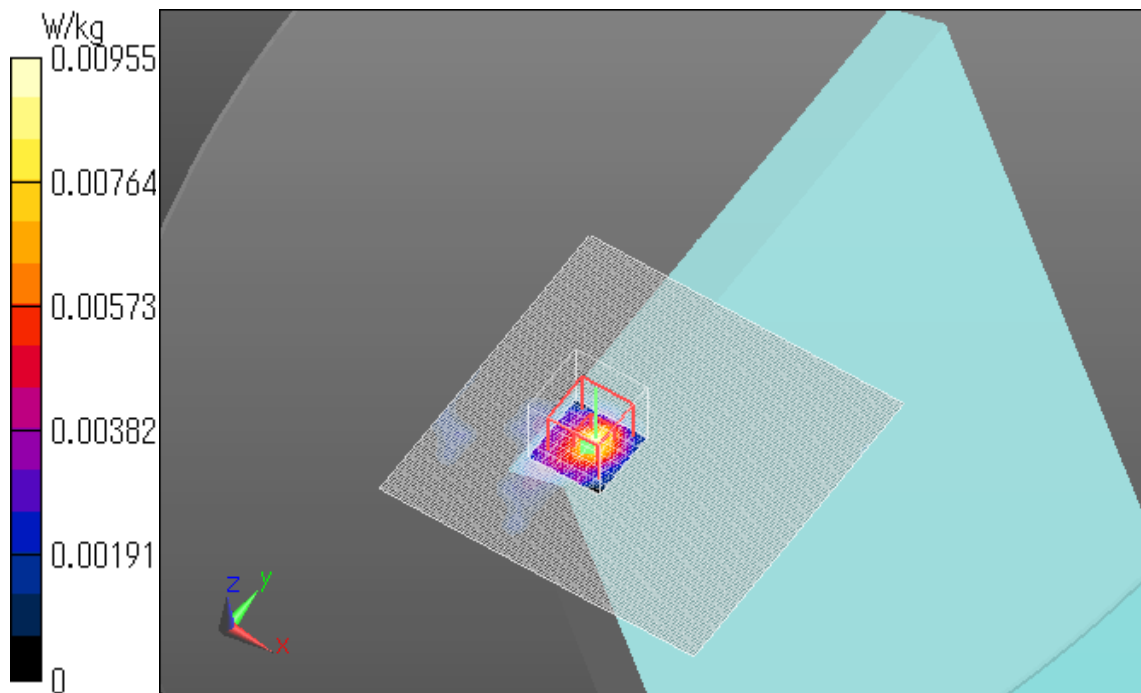
Peak SAR (extrapolated) = 0.0120 W/kg

SAR(1 g) = 0.00538 W/kg; SAR(10 g) = 0.00184 W/kg

Maximum value of SAR (measured) = 0.00955 W/kg

Date: 2017/02/21

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



LTE Band41 QPSK Allocation1 Start49 2680MHz Edge3 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0190 W/kg

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

Reference Value = 2.288 V/m; Power Drift = 0.16 dB

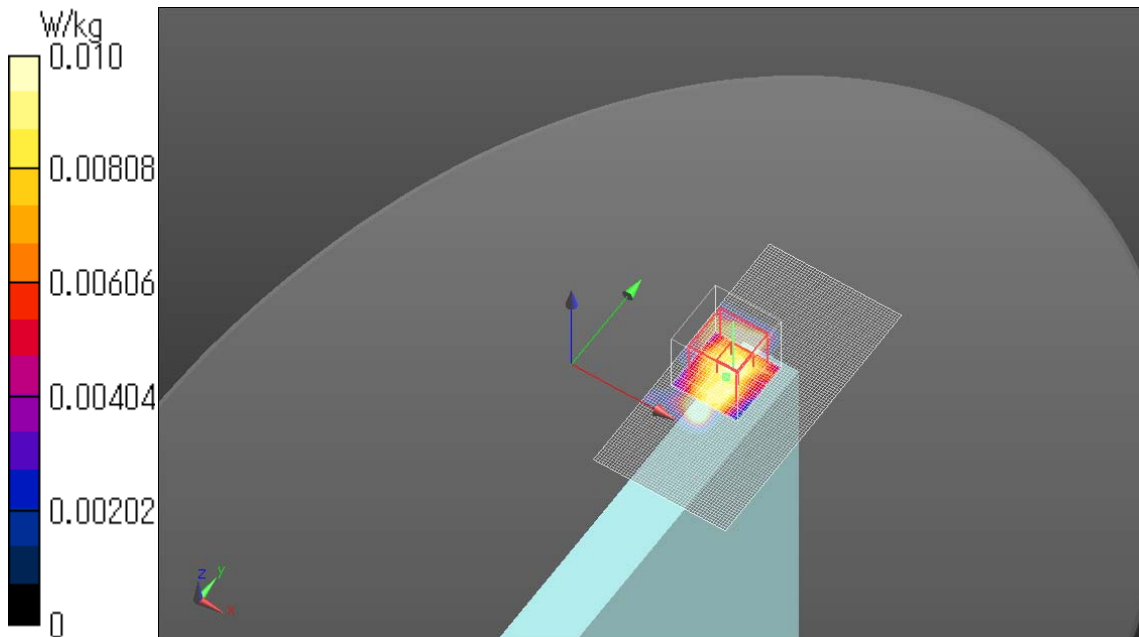
Peak SAR (extrapolated) = 0.0200 W/kg

SAR(1 g) = 0.00587 W/kg; SAR(10 g) = 0.00219 W/kg

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

Date: 2017/01/23

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



LTE Band41 QPSK Allocation50 Start24 2680MHz Edge3 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0178 W/kg

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

Reference Value = 1.380 V/m; Power Drift = -0.08 dB

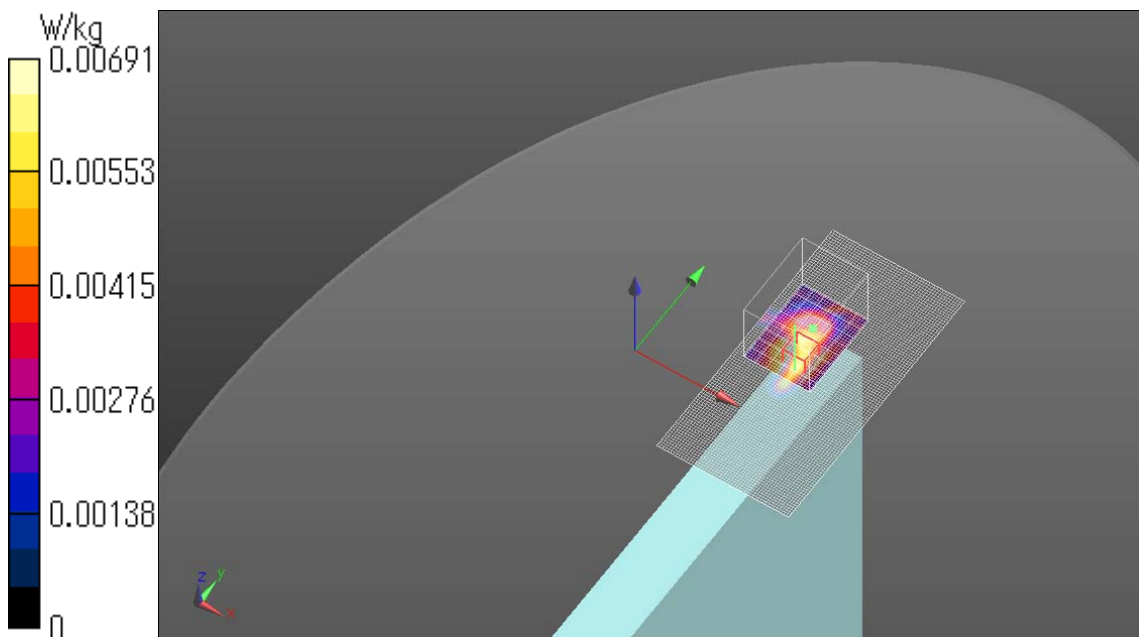
Peak SAR (extrapolated) = 0.0170 W/kg

SAR(1 g) = 0.00319 W/kg

Maximum value of SAR (measured) = 0.00691 W/kg

Date: 2017/01/23

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



LTE Band41 QPSK Allocation1 Start49 2680MHz Edge4 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.203 W/kg

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

Reference Value = 10.23 V/m; Power Drift = -0.04 dB

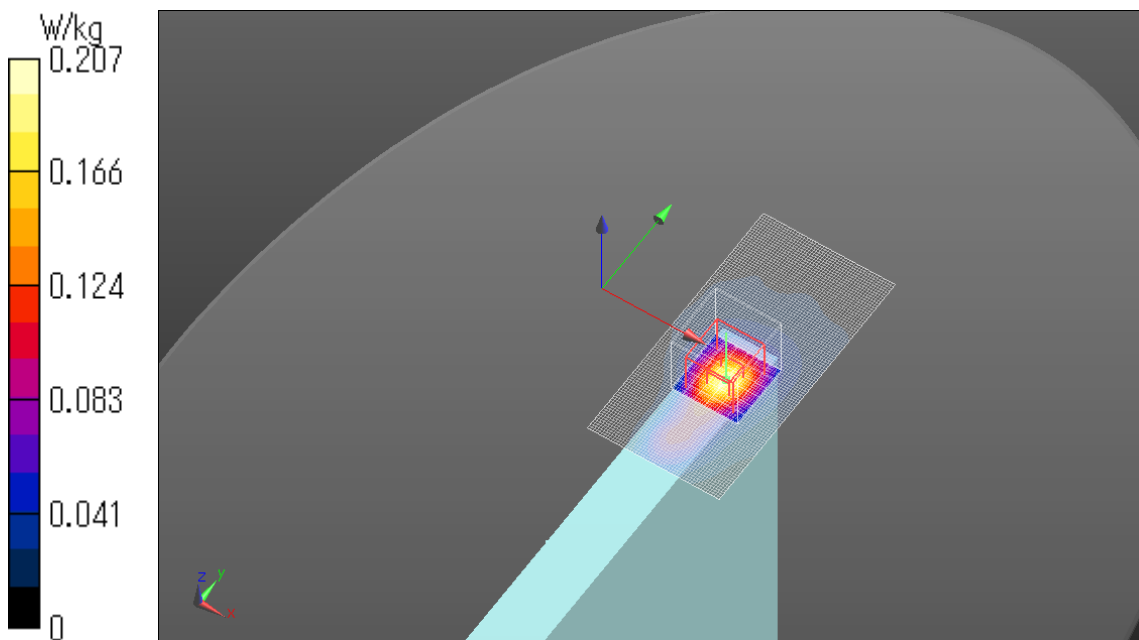
Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.058 W/kg

Maximum value of SAR (measured) = 0.207 W/kg

Date: 2017/01/23

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



LTE Band41 QPSK Allocation50 Start24 2680MHz Edge4 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41,
E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.163 W/kg

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

Reference Value = 9.117 V/m; Power Drift = -0.01 dB

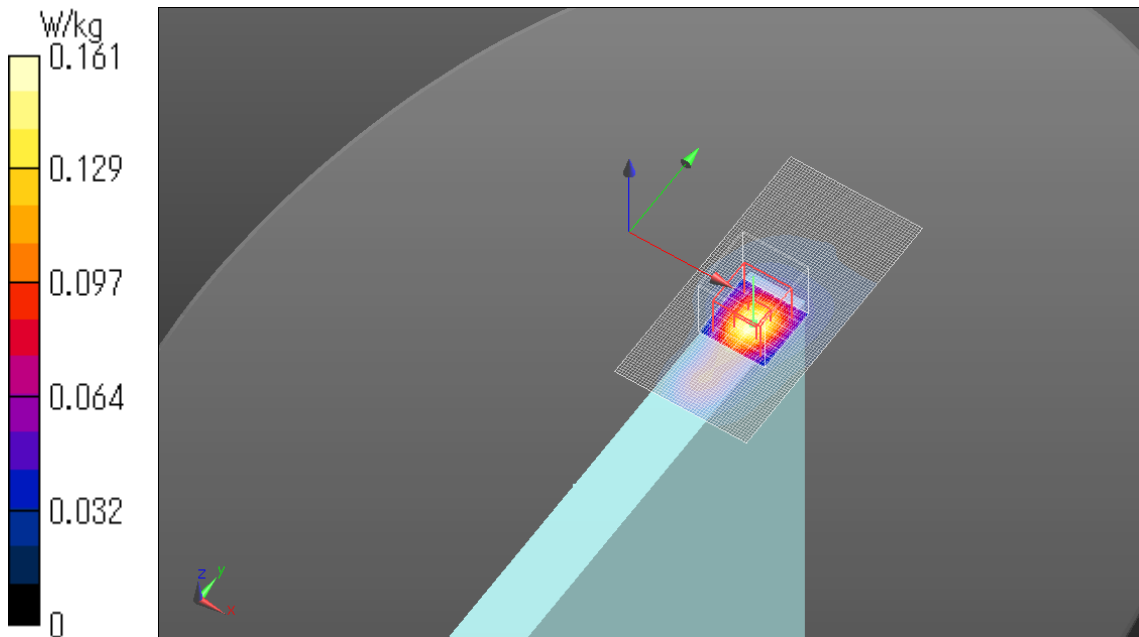
Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.161 W/kg

Date: 2017/01/23

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



LTE Band41 QPSK Allocation1 Start49 2680MHz Edge4 tilt 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41,
E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.23$ S/m; $\epsilon_r = 50.797$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.164 W/kg

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

Reference Value = 9.795 V/m; Power Drift = -0.18 dB

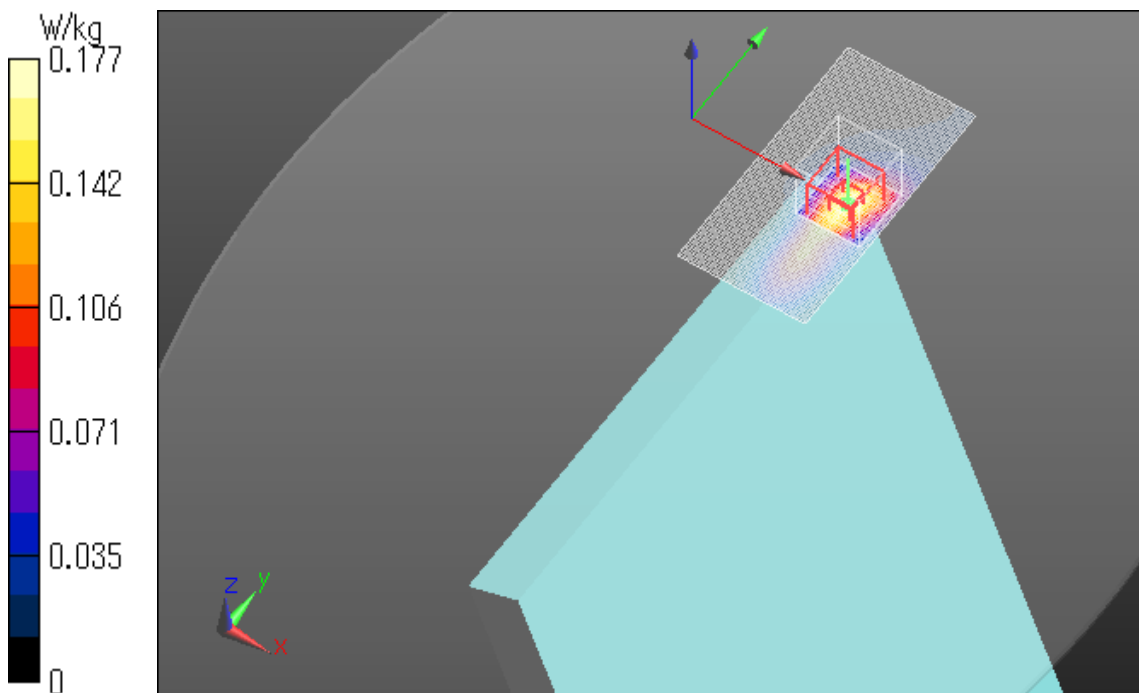
Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.055 W/kg

Maximum value of SAR (measured) = 0.177 W/kg

Date: 2017/02/21

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



LTE Band41 QPSK Allocation50 Start24 2680MHz Edge4 tilt 0mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41,
E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.23$ S/m; $\epsilon_r = 50.797$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.129 W/kg

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

Reference Value = 8.654 V/m; Power Drift = -0.17 dB

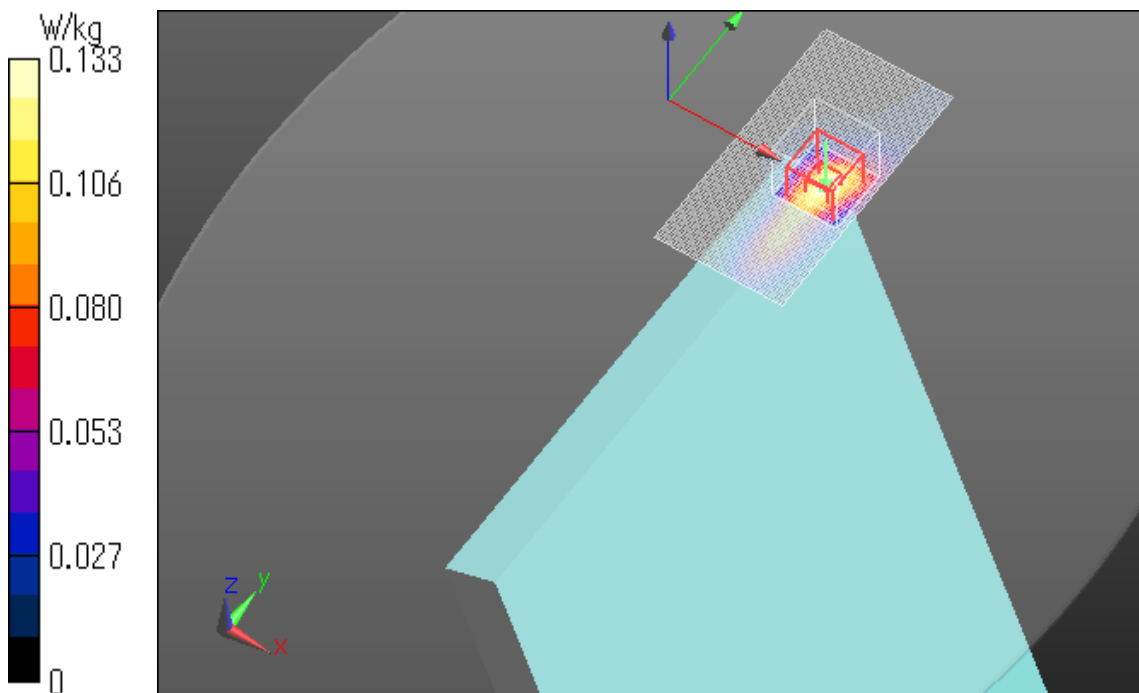
Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.041 W/kg

Maximum value of SAR (measured) = 0.133 W/kg

Date: 2017/02/21

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



LTE Band41 QPSK Allocation1 Start49 2680MHz Rear 21mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.249 W/kg

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

Reference Value = 11.21 V/m; Power Drift = -0.06 dB

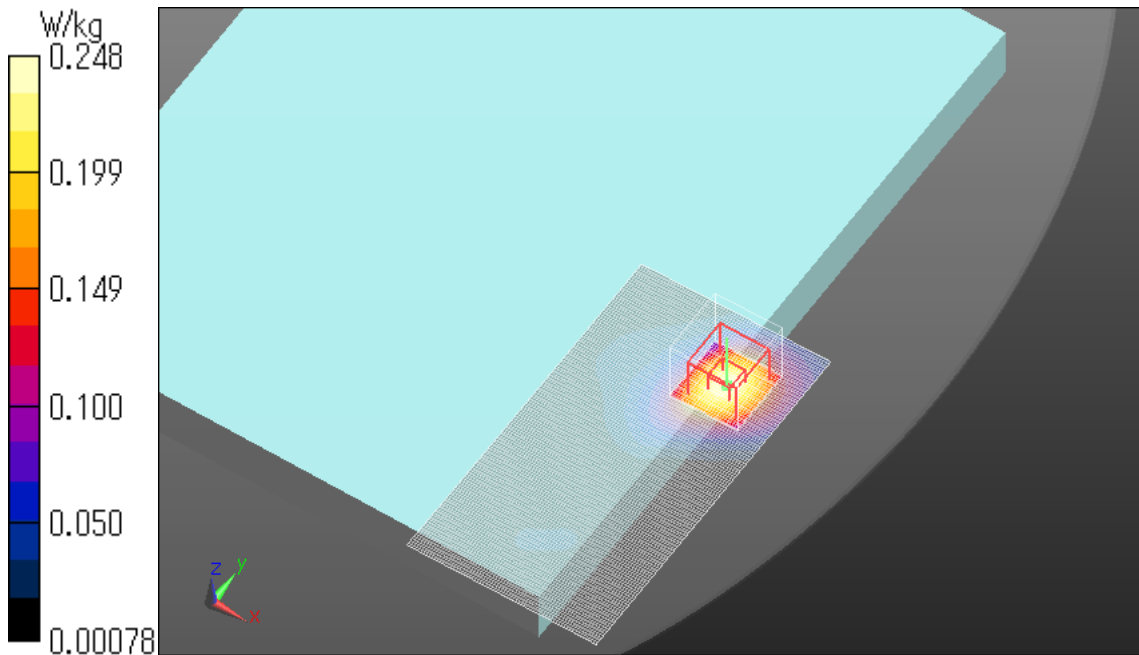
Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.248 W/kg

Date: 2017/01/23

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



LTE Band41 QPSK Allocation50 Start24 2680MHz Rear 21mm

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.339$ S/m; $\epsilon_r = 50.952$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.08, 7.08, 7.08); 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 (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.197 W/kg

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

Reference Value = 9.980 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.195 W/kg

Date: 2017/01/23

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

