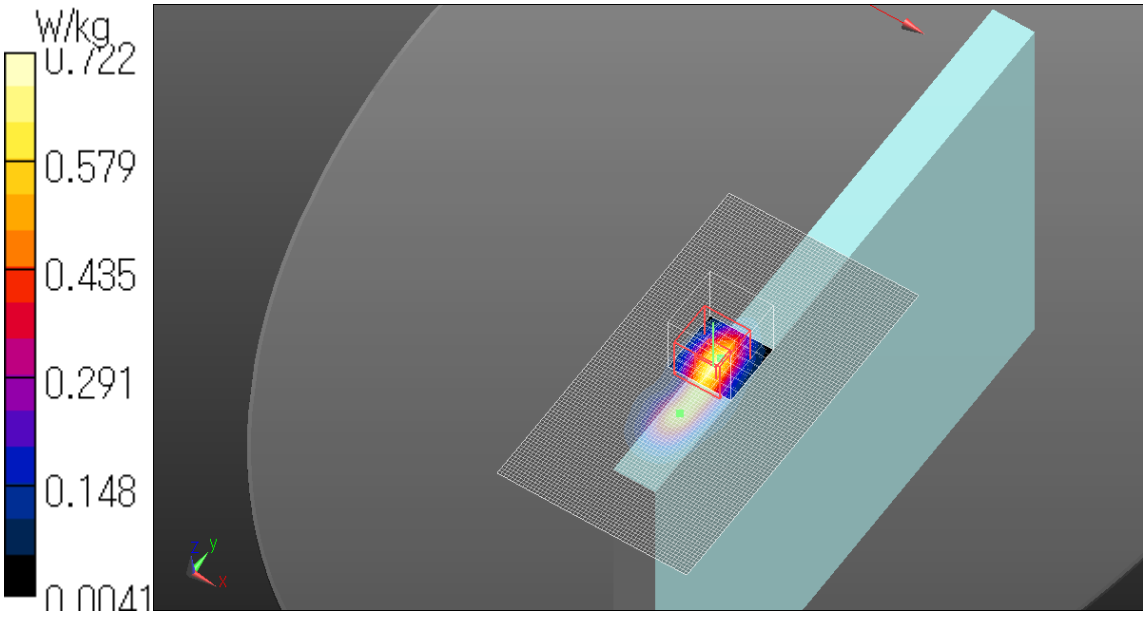
17.5 SAR test plots for LTE Band 2

LTE Band2 Edge1 0mm QPSK 1880MHz Allocation1 Start49 power reduction
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.521 S/m; ε_r = 53.64; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN7372; ConvF(7.63, 7.63, 7.63); Calibrated: 2017/04/20;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1372; Calibrated: 2017/06/13
Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207
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) = 0.703 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.56 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.943 W/kg
SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.225 W/kg
Maximum value of SAR (measured) = 0.722 W/kg

Date: 2017/10/25
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



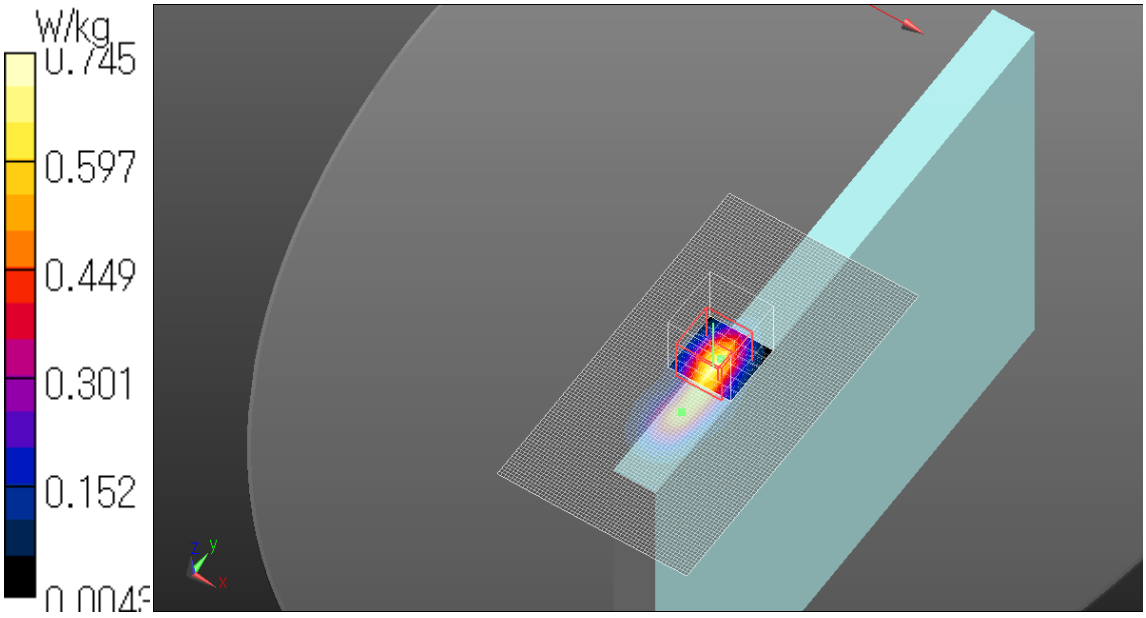
Plot No. 1

LTE Band2 Edge1 0mm QPSK 1860MHz Allocation50 Start24 power reduction
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.496 S/m; ε_r = 53.73; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN7372; ConvF(7.63, 7.63, 7.63); Calibrated: 2017/04/20;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1372; Calibrated: 2017/06/13
Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207
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) = 0.726 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.22 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.971 W/kg
SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.234 W/kg
Maximum value of SAR (measured) = 0.745 W/kg

Date: 2017/10/25
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



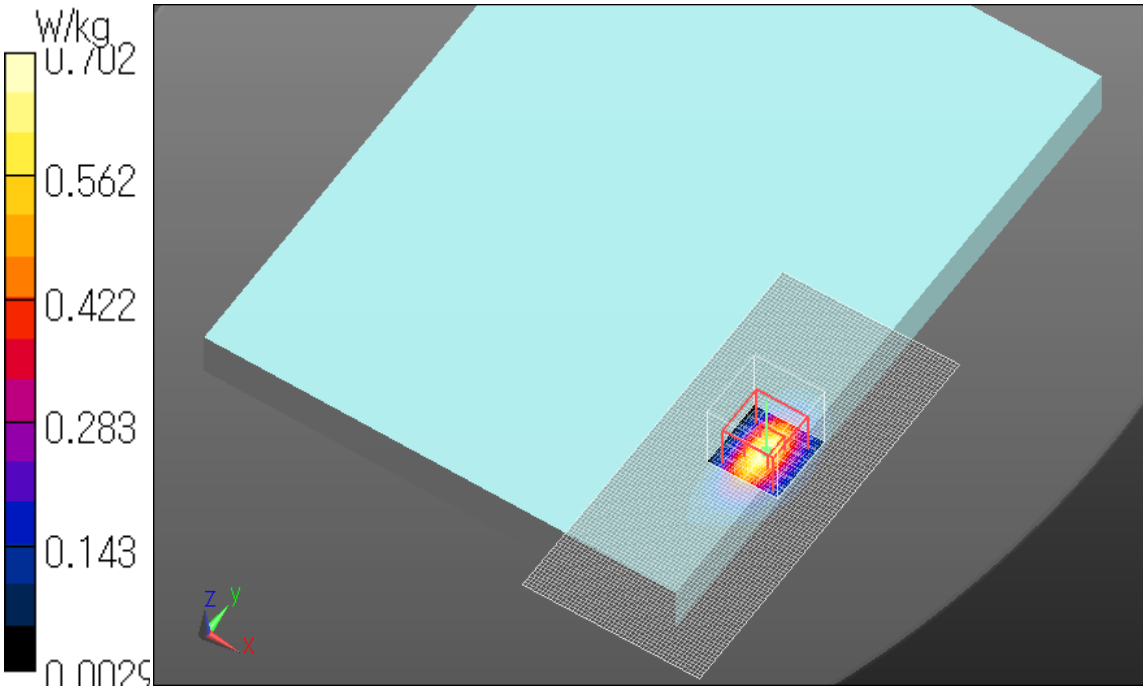
Plot No. 2

LTE Band2 Rear 0mm QPSK 1880MHz Allocation1 Start49 power reduction
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.521 S/m; ε_r = 53.64; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN7372; ConvF(7.63, 7.63, 7.63); Calibrated: 2017/04/20;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1372; Calibrated: 2017/06/13
Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207
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) = 0.699 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.50 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.903 W/kg
SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.236 W/kg
Maximum value of SAR (measured) = 0.702 W/kg

Date: 2017/10/25
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band2 Rear 0mm QPSK 1860MHz Allocation50 Start24 power reduction
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.496 S/m; ε_r = 53.73; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN7372; ConvF(7.63, 7.63, 7.63); Calibrated: 2017/04/20;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1372; Calibrated: 2017/06/13
Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207
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) = 0.705 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.74 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.912 W/kg
SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.239 W/kg
Maximum value of SAR (measured) = 0.705 W/kg

Date: 2017/10/25
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.