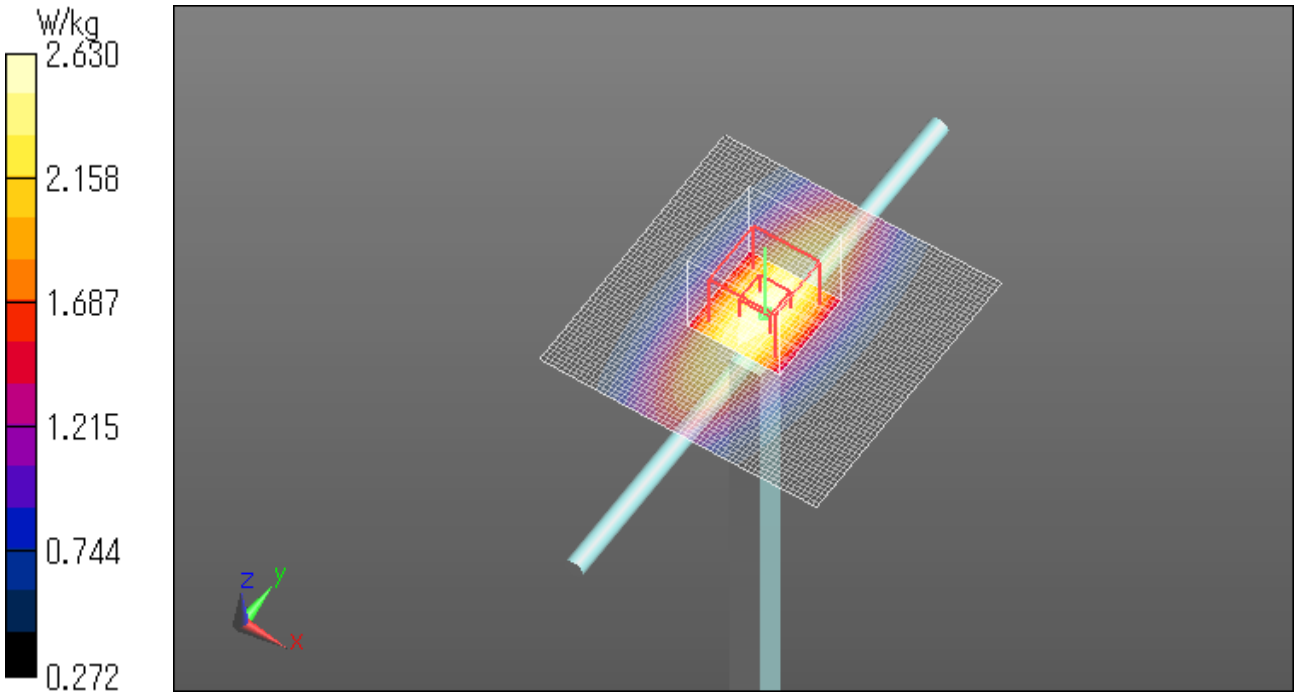
17.1 System Performance Check Plots

20170116_SystemPerformanceCheck-750MHz
Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.955 S/m; ε_r = 57.432; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(9.98, 9.98, 9.98); 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 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.63 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.51 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.10 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.4 W/kg
Maximum value of SAR (measured) = 2.63 W/kg

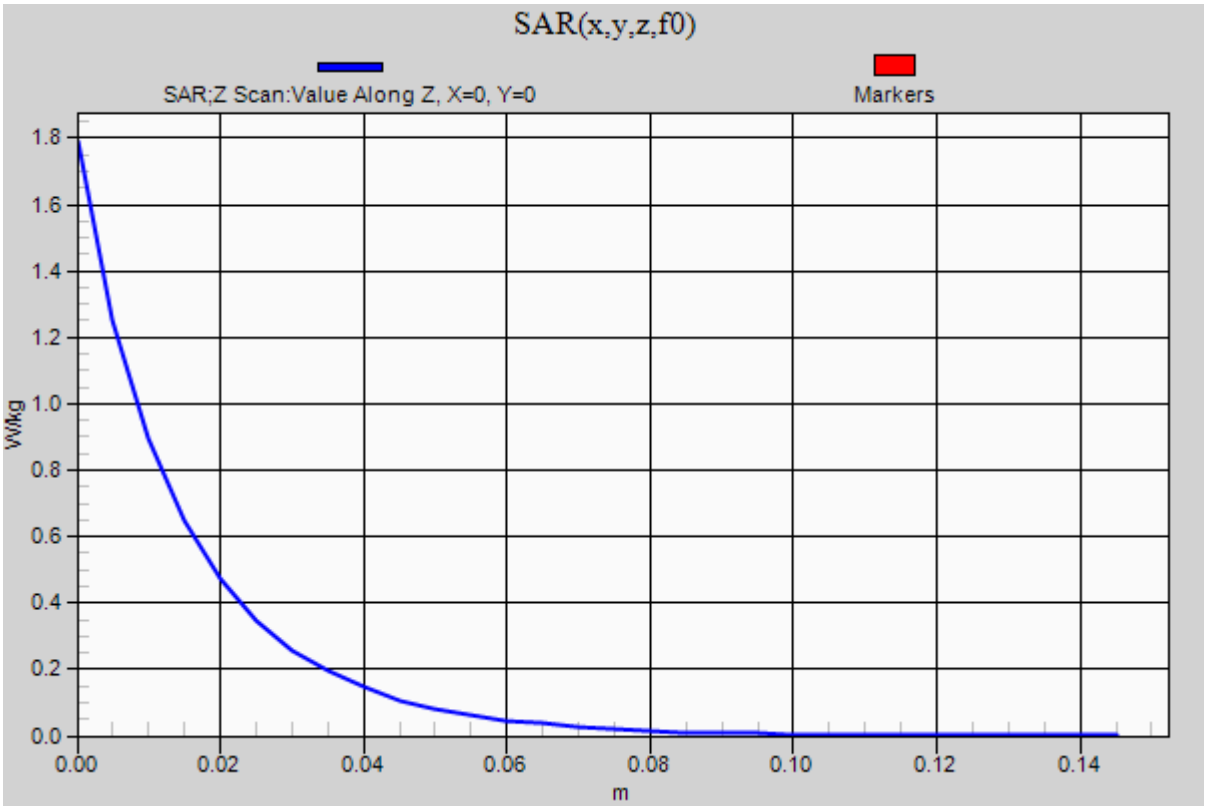
Date: 2017/01/16
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170116_SystemPerformanceCheck-750MHz
Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.955 S/m; ε_r = 57.432; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(9.98, 9.98, 9.98); Calibrated: 2016/12/12;
Sensor-Surface: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.79 W/kg

Date: 2017/01/16
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

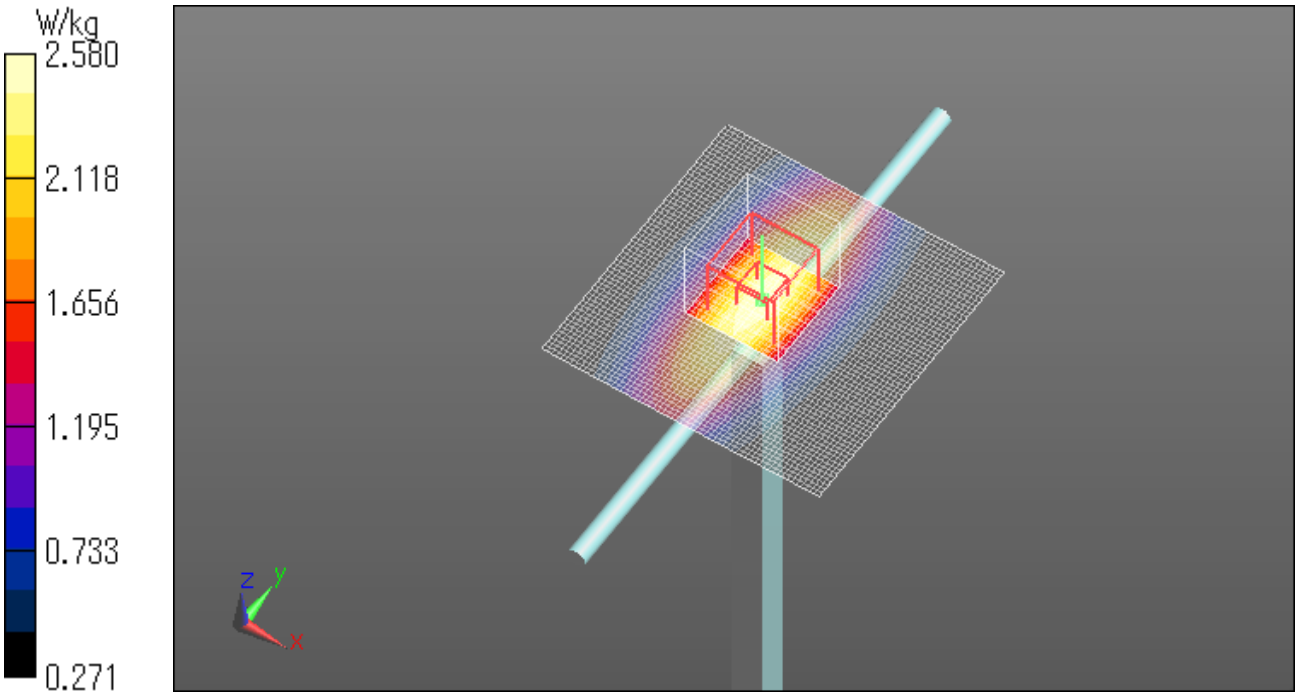


20170117_SystemPerformanceCheck-750MHz
Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.931 S/m; ε_r = 55.038; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(9.98, 9.98, 9.98); 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 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.57 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.66 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.04 W/kg
SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.38 W/kg
Maximum value of SAR (measured) = 2.58 W/kg

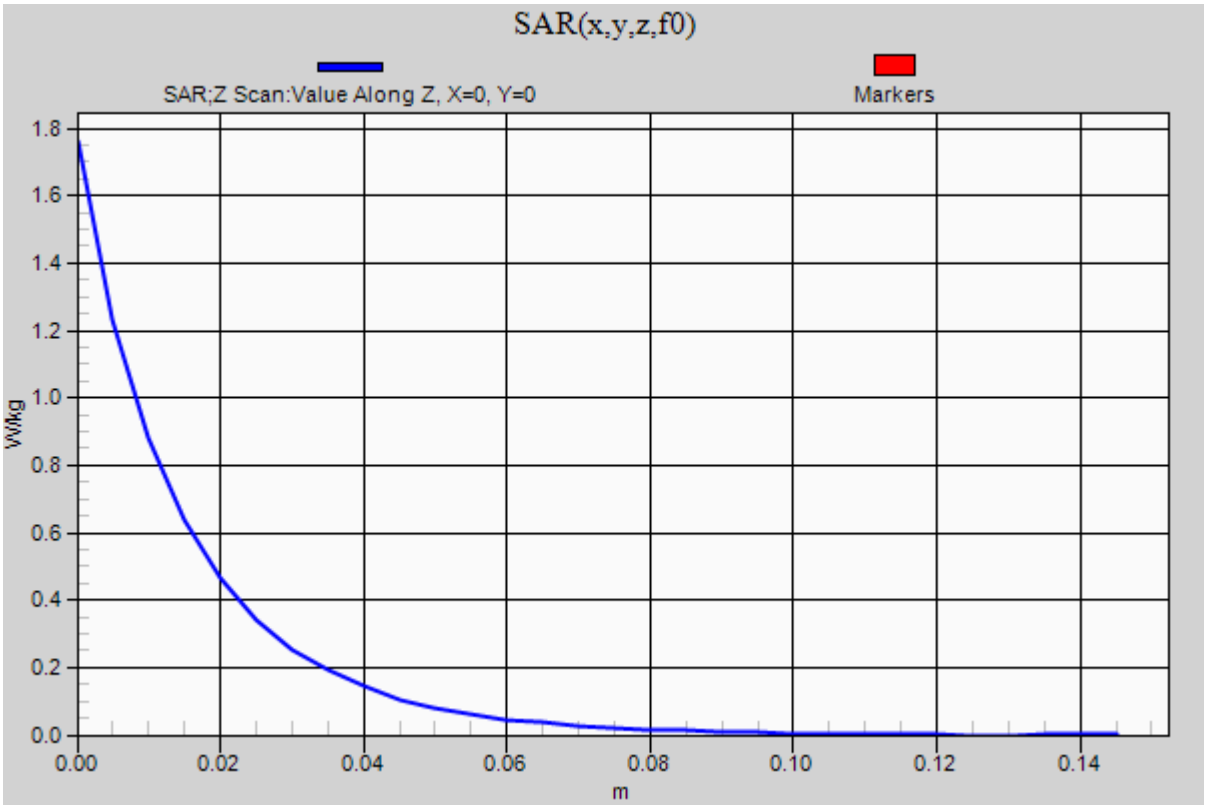
Date: 2017/01/17
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170117_SystemPerformanceCheck-750MHz
Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.931 S/m; ε_r = 55.038; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(9.98, 9.98, 9.98); Calibrated: 2016/12/12;
Sensor-Surface: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.76 W/kg

Date: 2017/01/17
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

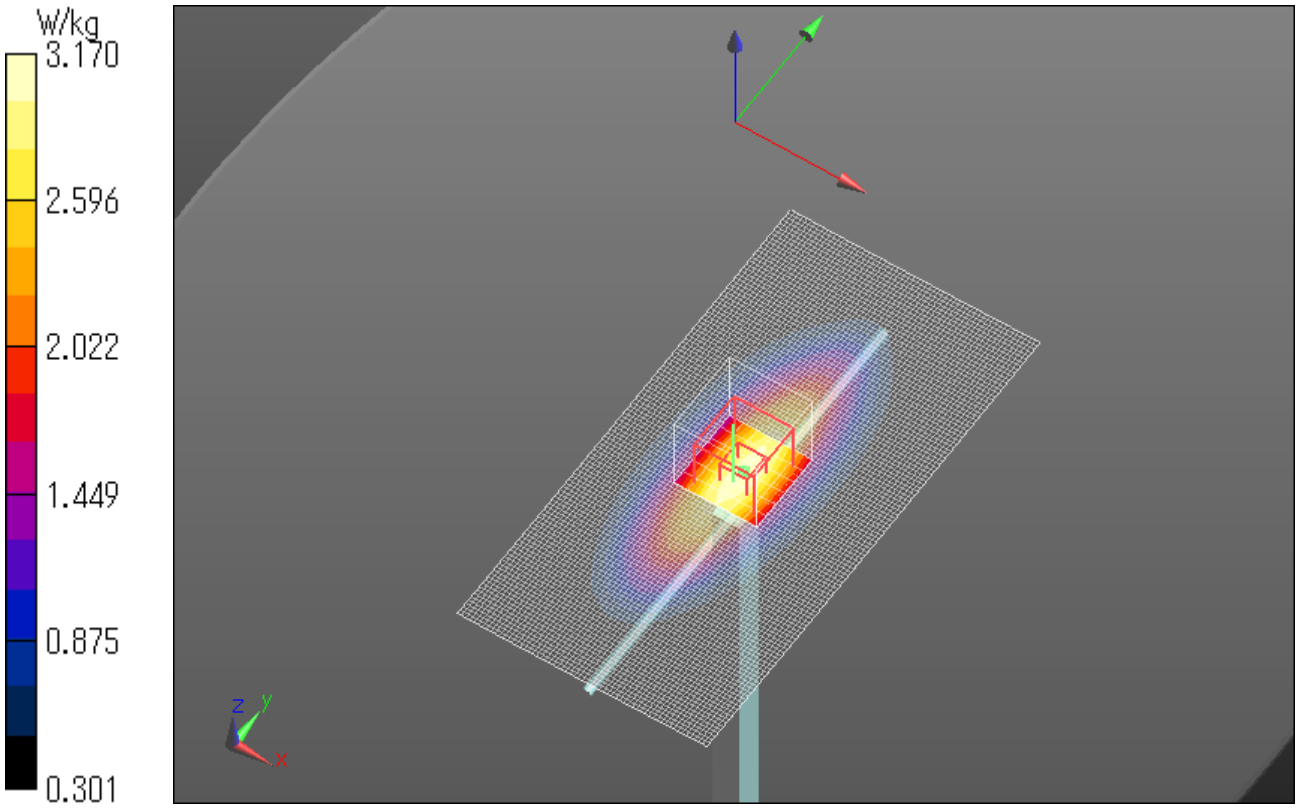


20170118_SystemPerformanceCheck-835MHz
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.949 S/m; ε_r = 54.77; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI 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 (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.15 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.66 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.66 W/kg
Maximum value of SAR (measured) = 3.17 W/kg

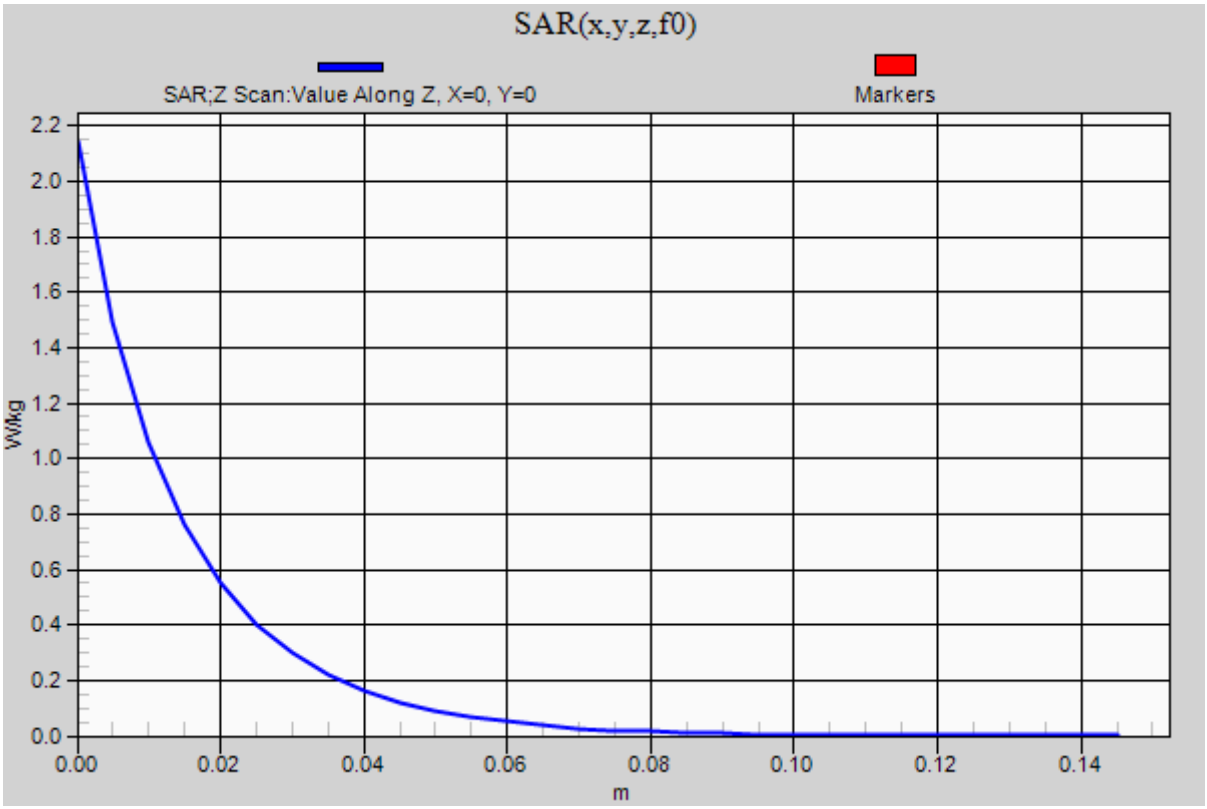
Date: 2017/01/18
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170118_SystemPerformanceCheck-835MHz
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.949 S/m; ε_r = 54.77; ρ = 1000 kg/m^3
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: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.14 W/kg

Date: 2017/01/18
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

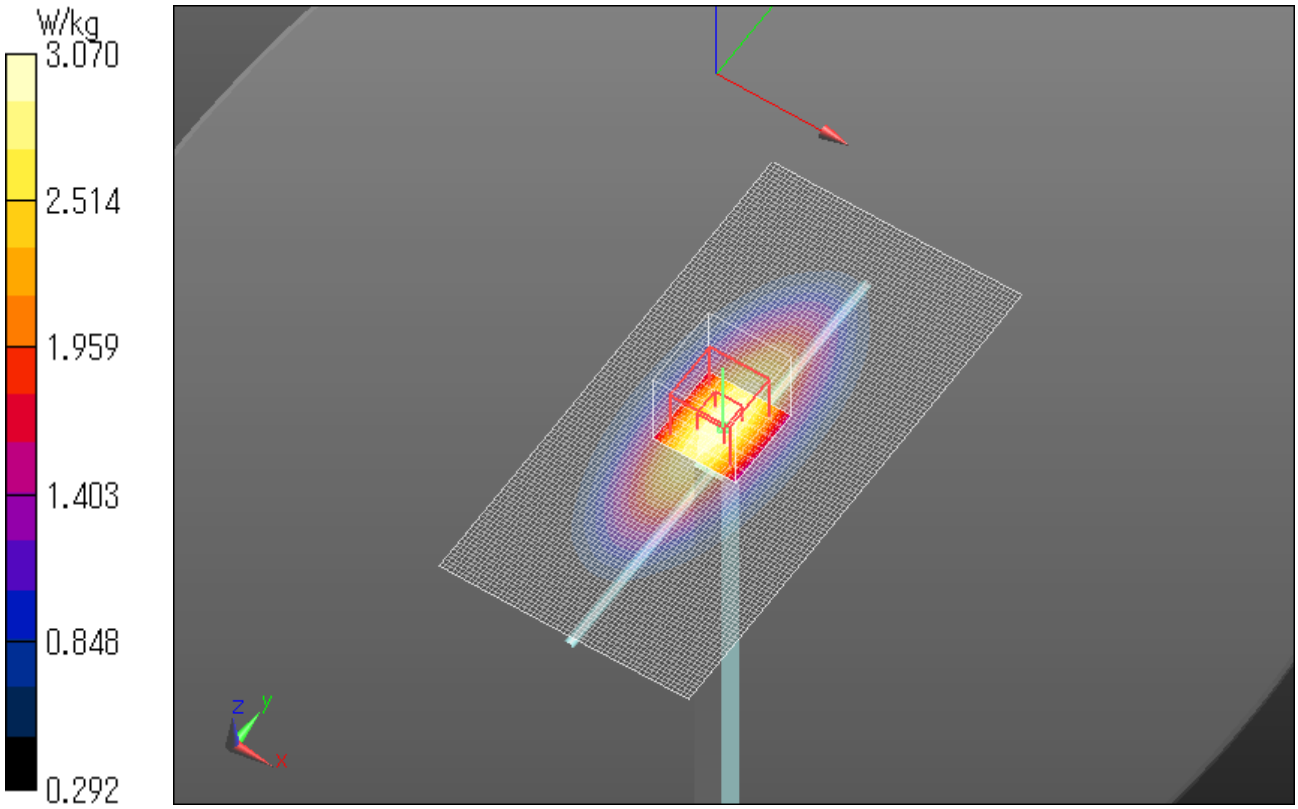


20170119_SystemPerformanceCheck-835MHz
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.953 S/m; ε_r = 54.308; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI 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 (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.06 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.72 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.63 W/kg
SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.61 W/kg
Maximum value of SAR (measured) = 3.07 W/kg

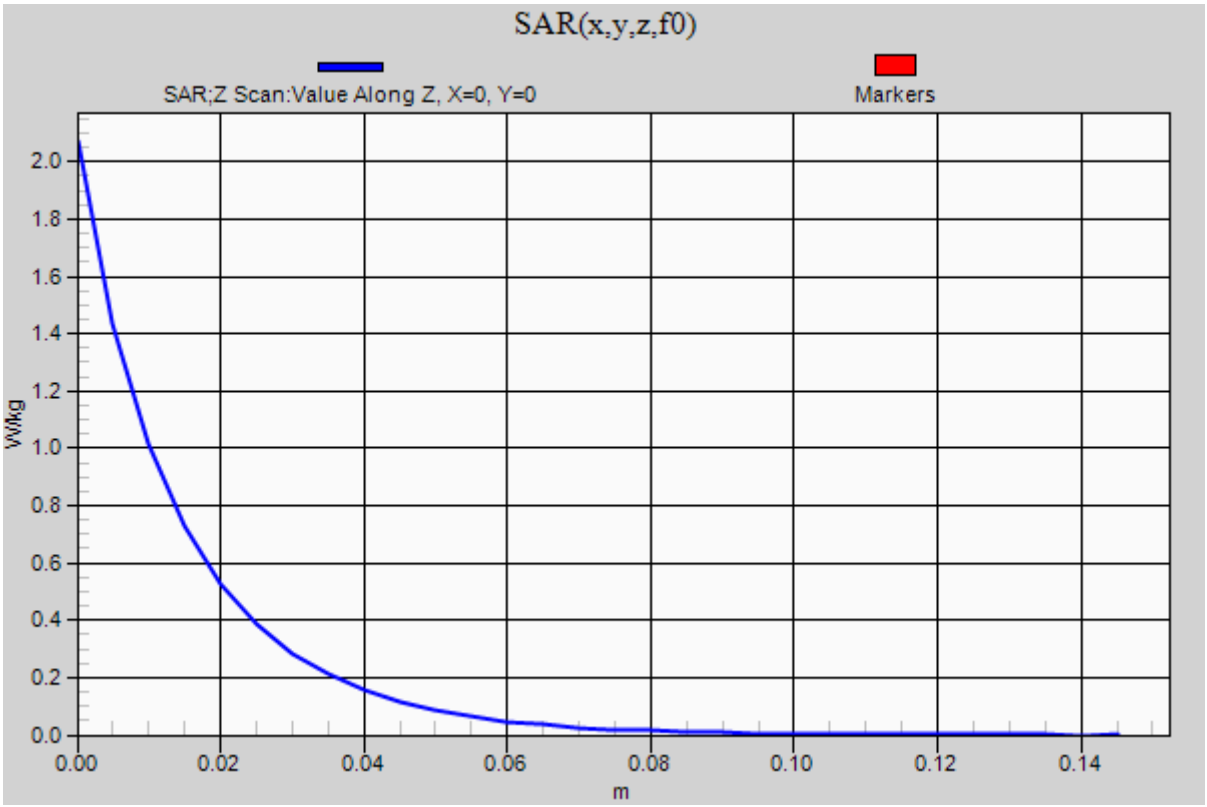
Date: 2017/01/19
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170119_SystemPerformanceCheck-835MHz
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.953 S/m; ε_r = 54.308; ρ = 1000 kg/m^3
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: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.07 W/kg

Date: 2017/01/19
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

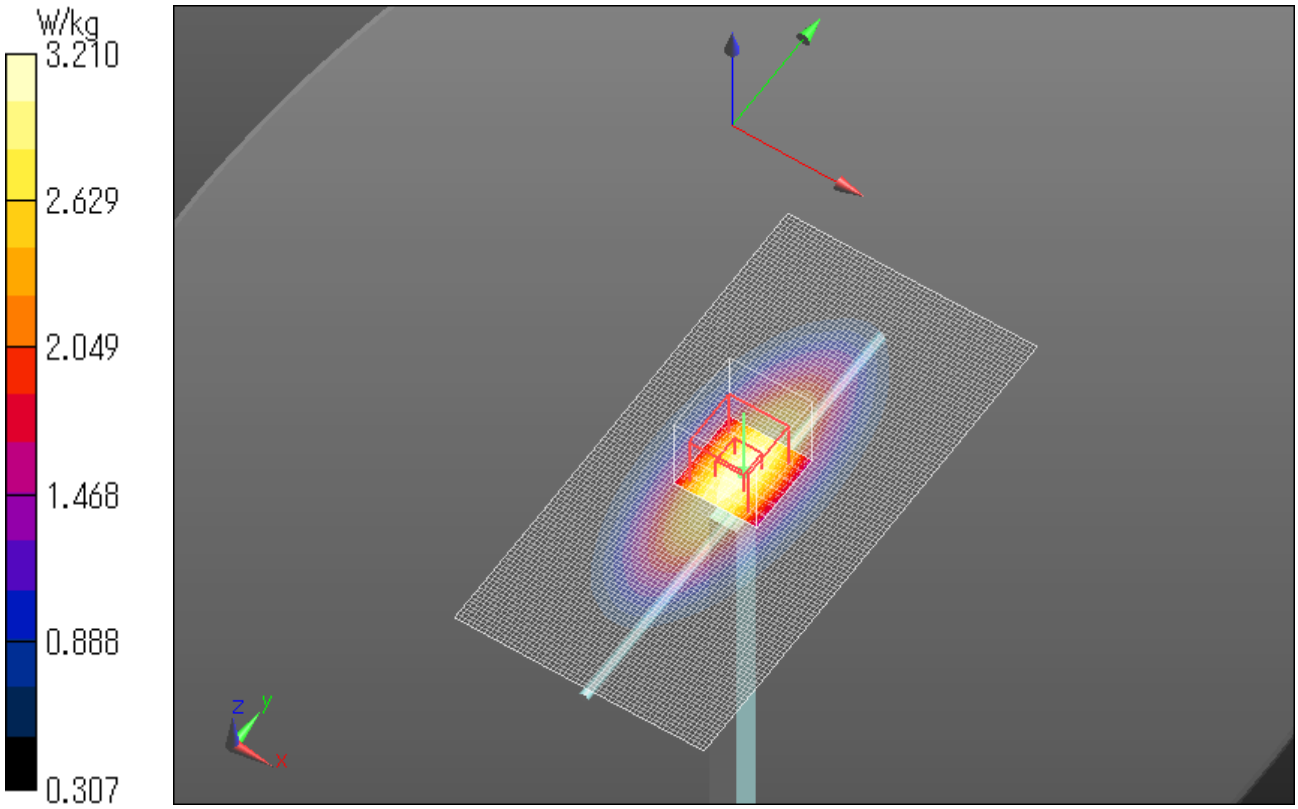


20170120_SystemPerformanceCheck-835MHz
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.938 S/m; ε_r = 55.883; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI 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 (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.20 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.38 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.67 W/kg
Maximum value of SAR (measured) = 3.21 W/kg

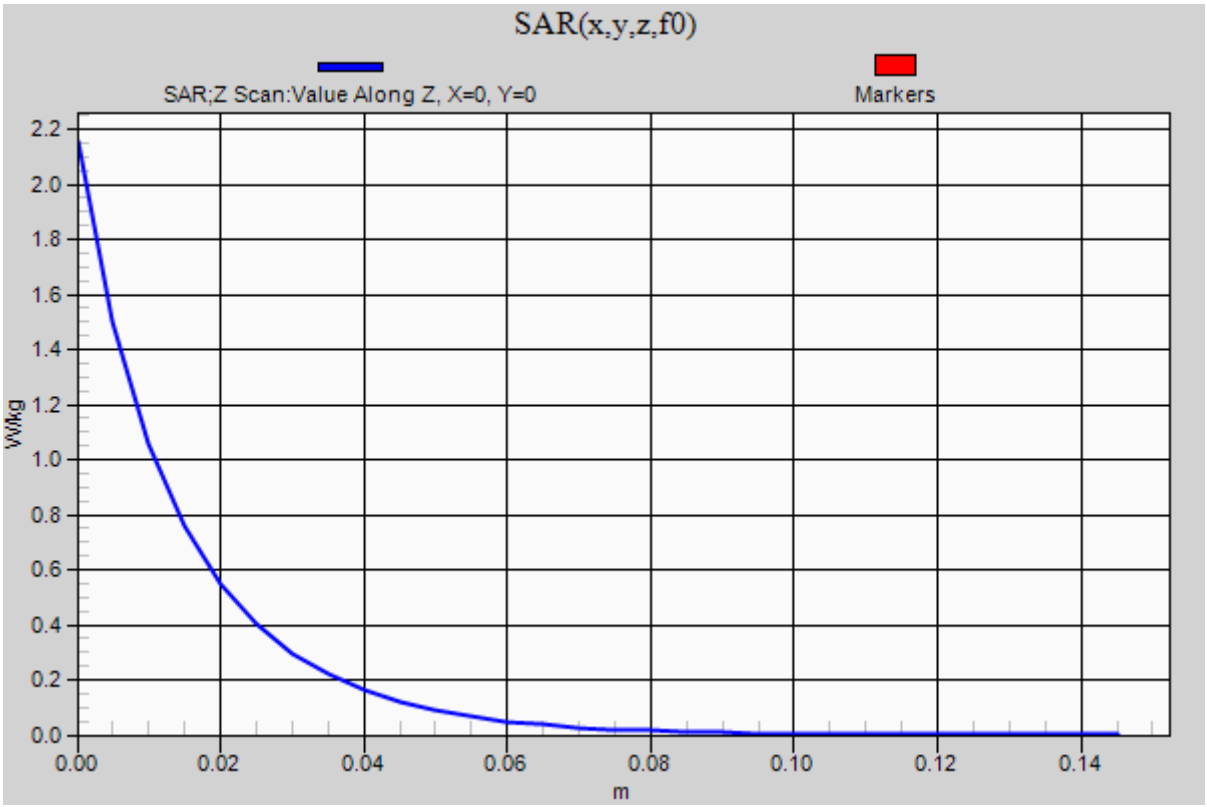
Date: 2017/01/20
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170120_SystemPerformanceCheck-835MHz
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.938 S/m; ε_r = 55.883; ρ = 1000 kg/m^3
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: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.15 W/kg

Date: 2017/01/20
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

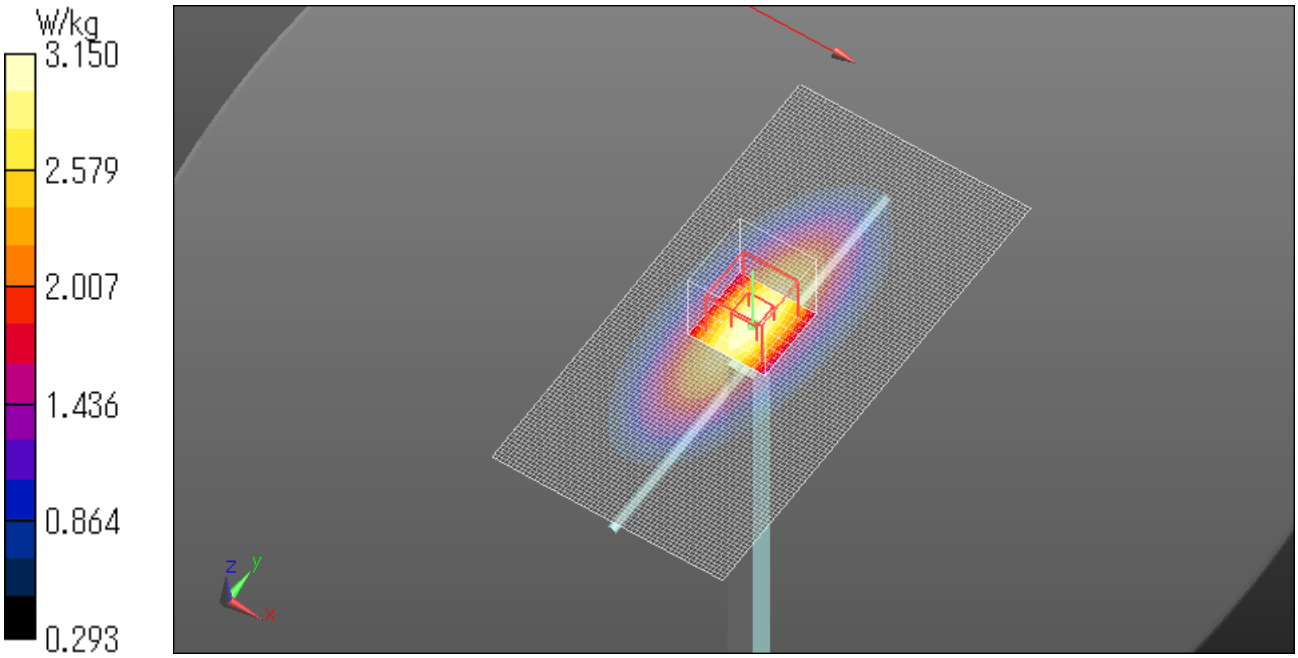


20170220_SystemPerformanceCheck-835MHz
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.972 S/m; ε_r = 54.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI 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 (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.12 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.10 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.70 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.64 W/kg
Maximum value of SAR (measured) = 3.15 W/kg

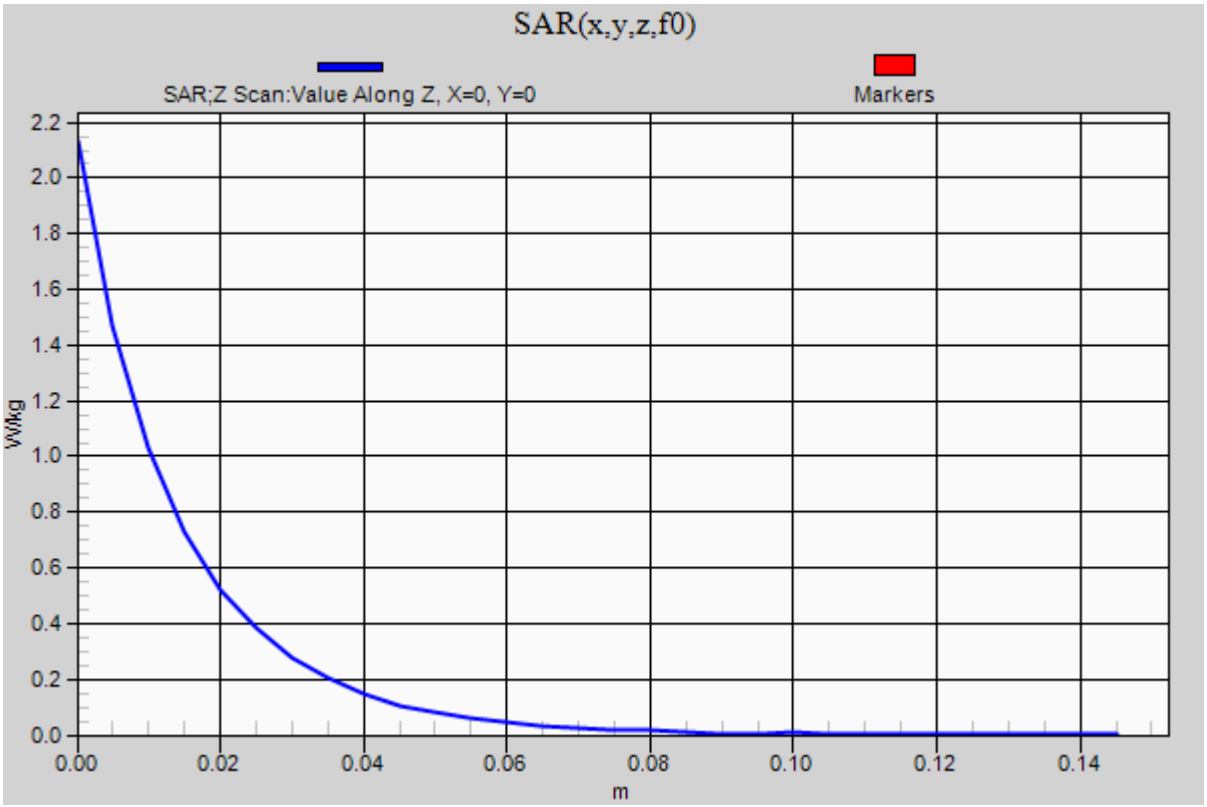
Date: 2017/02/20
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170220_SystemPerformanceCheck-835MHz
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.972 S/m; ε_r = 54.679; ρ = 1000 kg/m^3
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: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.13 W/kg

Date: 2017/02/20
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

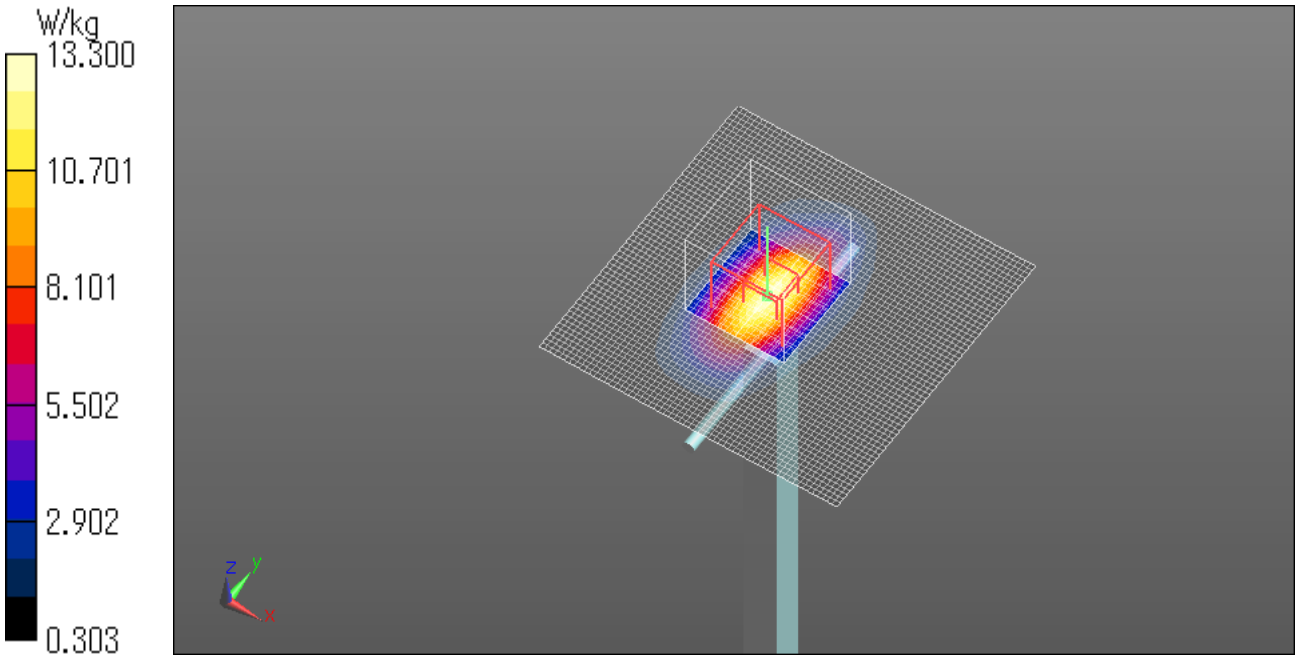


20170113_SystemPerformanceCheck-1750MHz
Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.487 S/m; ε_r = 51.443; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.9, 7.9, 7.9); 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 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.0 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.31 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 9.39 W/kg; SAR(10 g) = 5 W/kg
Maximum value of SAR (measured) = 13.3 W/kg

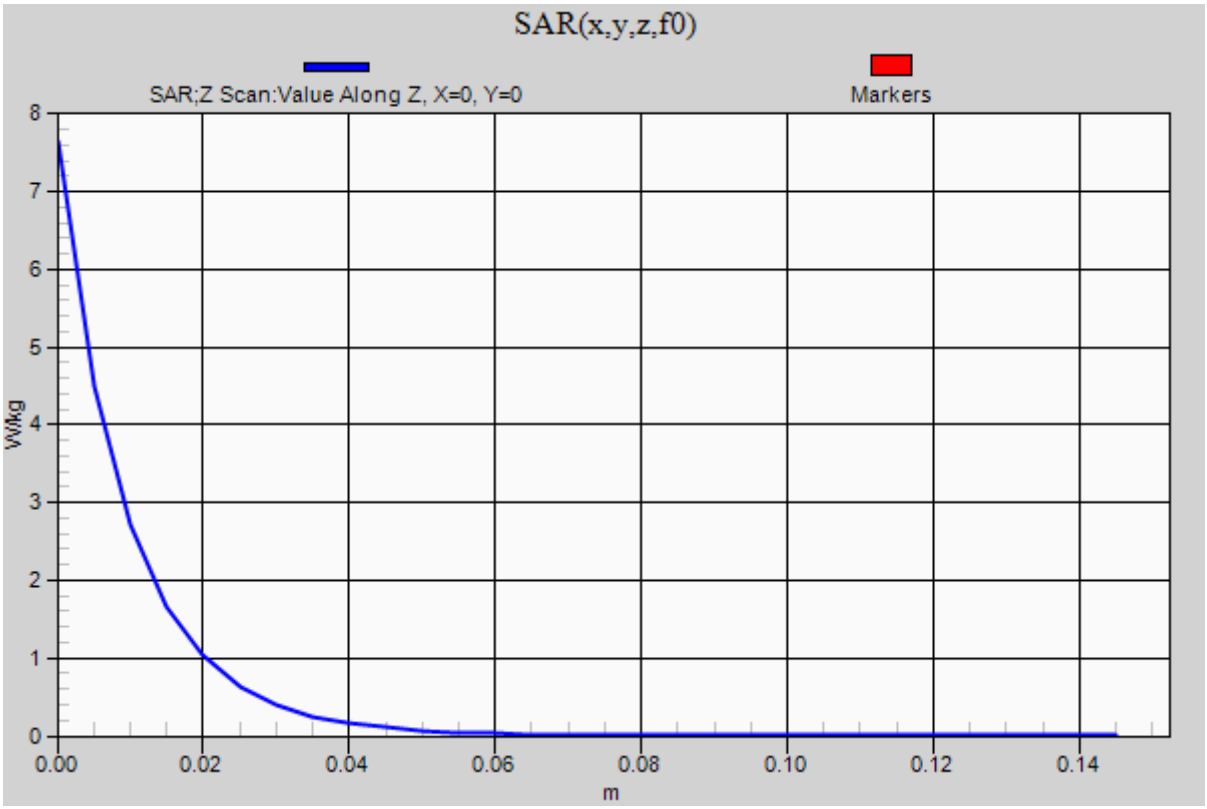
Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170113_SystemPerformanceCheck-1750MHz
Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.487 S/m; ε_r = 51.443; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.9, 7.9, 7.9); Calibrated: 2016/05/12;
Sensor-Surface: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 7.64 W/kg

Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

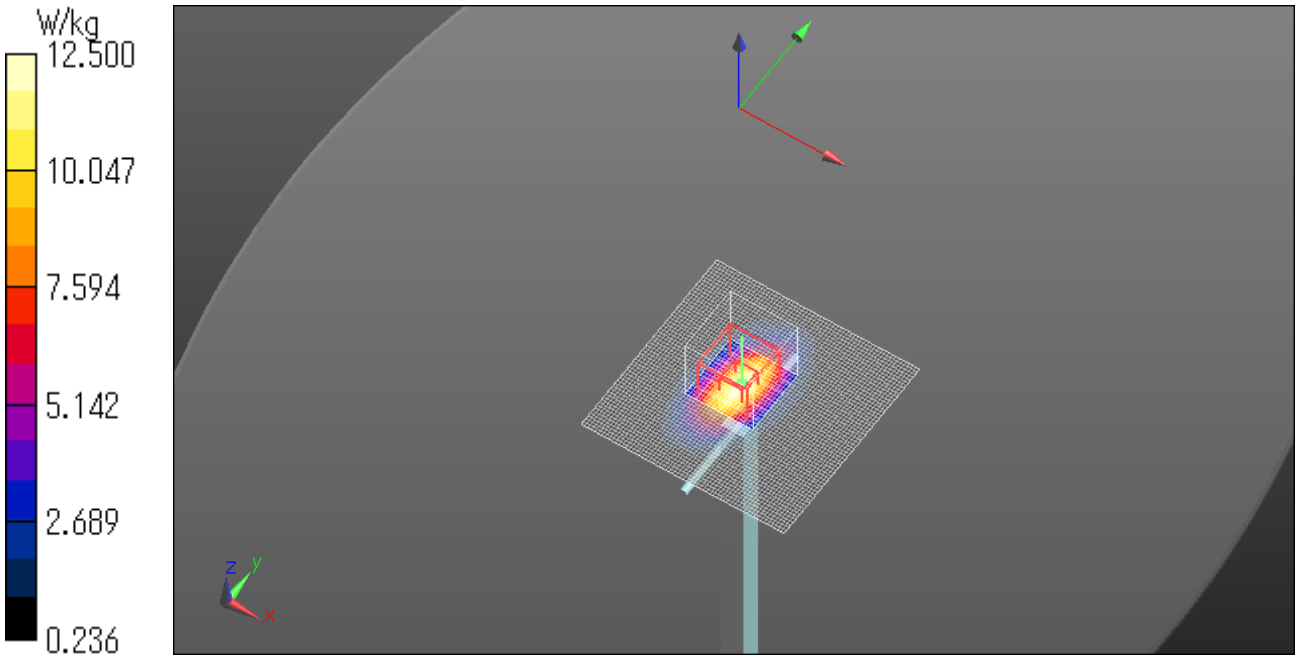


20170116_SystemPerformanceCheck-1750MHz
Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.511 S/m; ε_r = 51.111; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.9, 7.9, 7.9); 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 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.4 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.03 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 16.0 W/kg
SAR(1 g) = 8.81 W/kg; SAR(10 g) = 4.62 W/kg
Maximum value of SAR (measured) = 12.5 W/kg

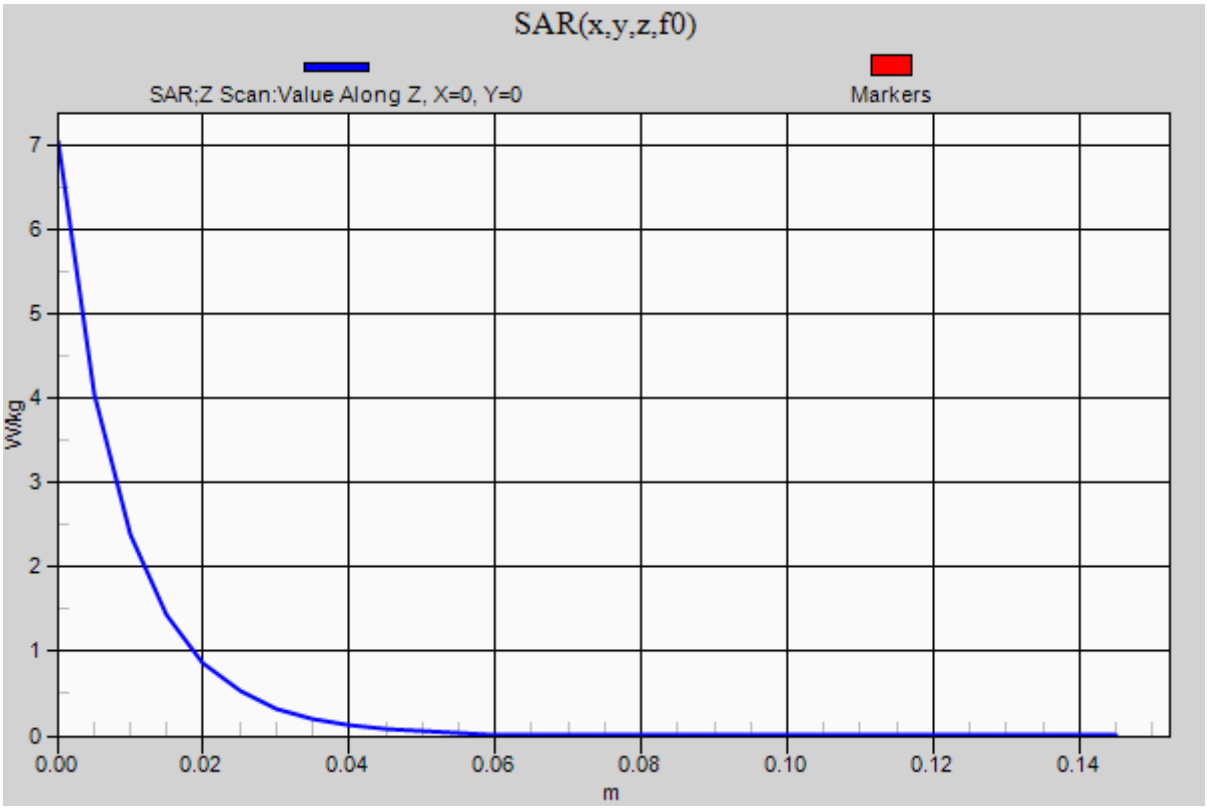
Date: 2017/01/16
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170116_SystemPerformanceCheck-1750MHz
Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.511 S/m; ε_r = 51.111; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.9, 7.9, 7.9); Calibrated: 2016/05/12;
Sensor-Surface: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 7.04 W/kg

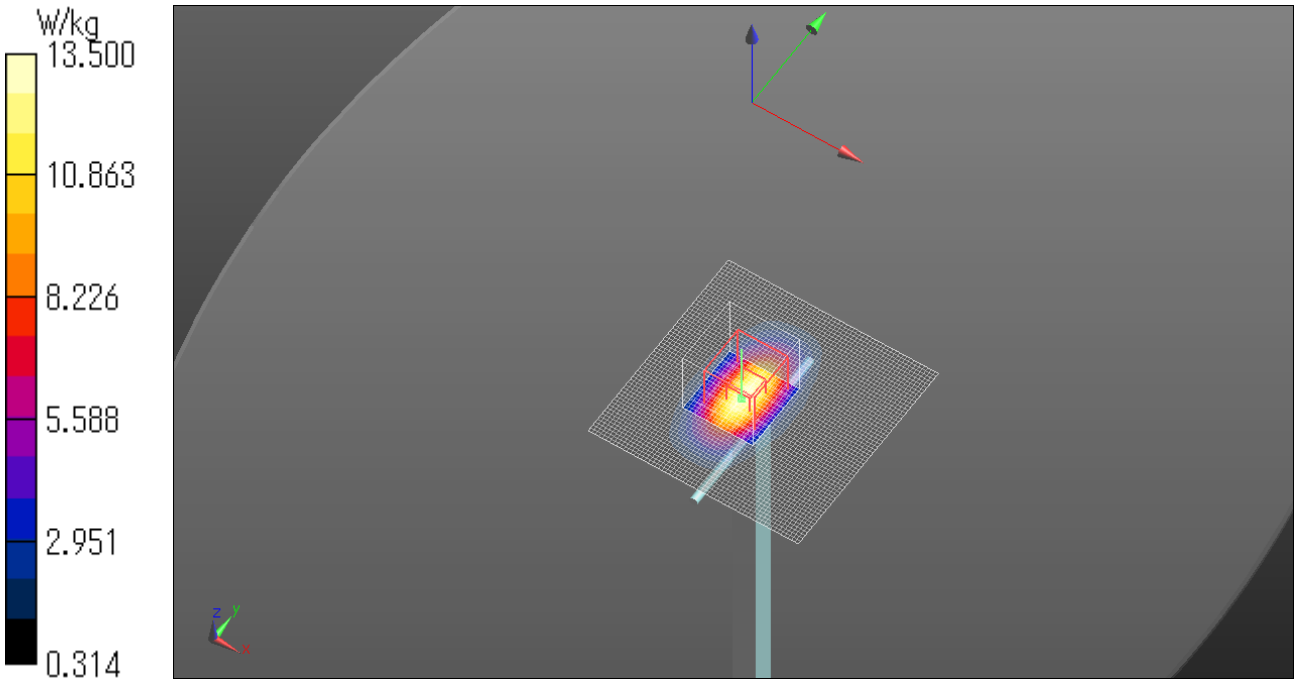
Date: 2017/01/16
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170215_SystemPerformanceCheck-1750MHz
Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.511 S/m; ε_r = 51.111; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.9, 7.9, 7.9); 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 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.7 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.07 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 16.9 W/kg
SAR(1 g) = 9.63 W/kg; SAR(10 g) = 5.18 W/kg
Maximum value of SAR (measured) = 13.5 W/kg
Date: 2017/02/15
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

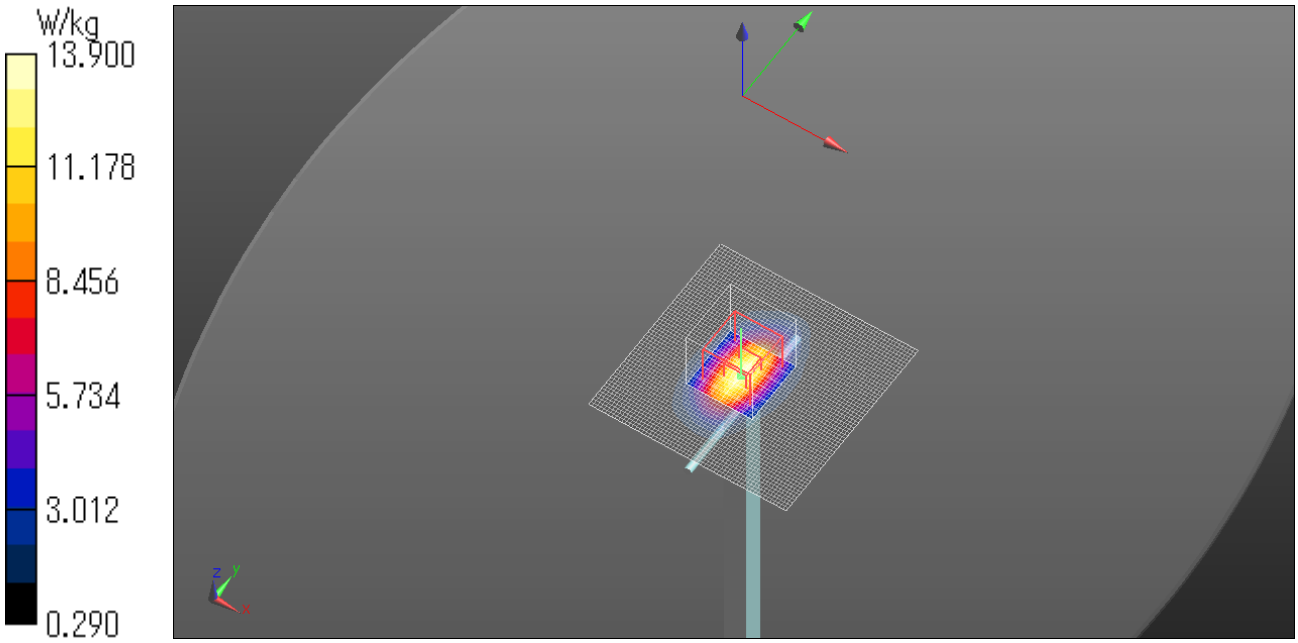


20170215_SystemPerformanceCheck-1750MHz
Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.556 S/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.68, 7.68, 7.68); 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 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.7 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.20 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 9.76 W/kg; SAR(10 g) = 5.12 W/kg
Maximum value of SAR (measured) = 13.9 W/kg

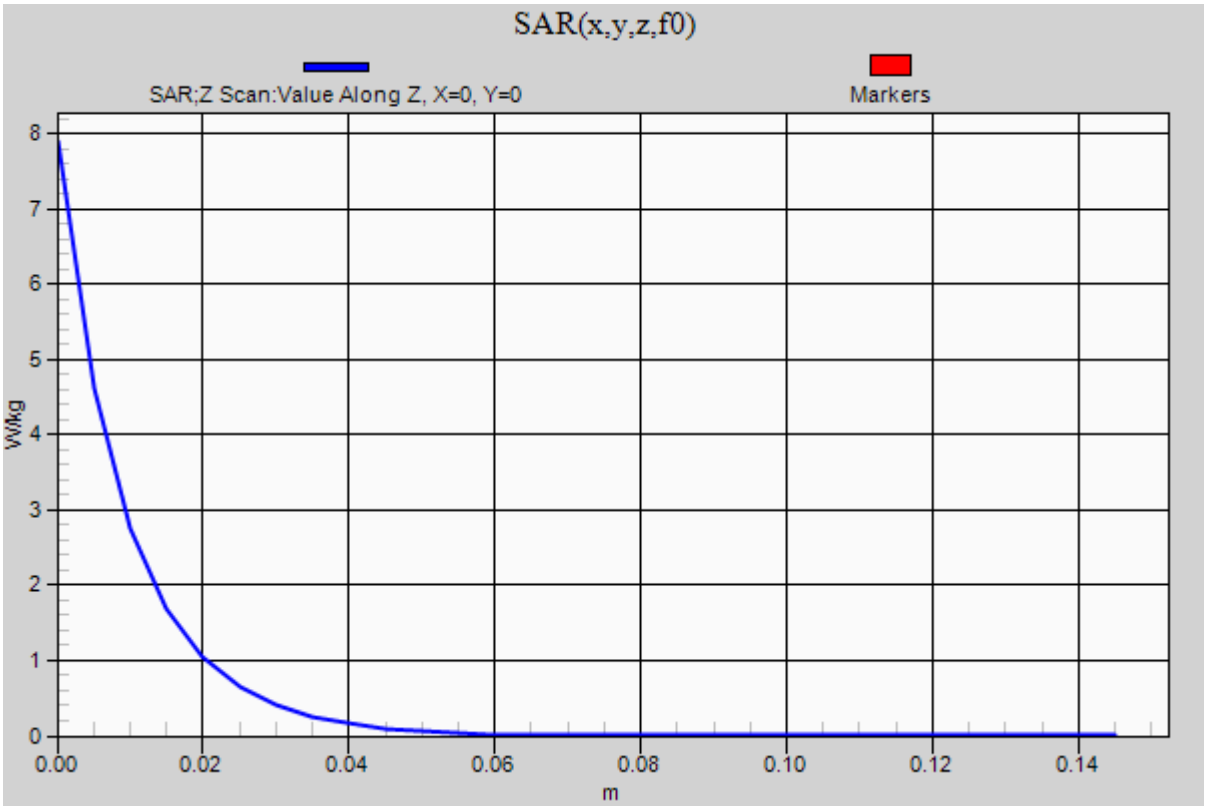
Date: 2017/01/17
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170117_SystemPerformanceCheck-1900MHz
Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.556 S/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.68, 7.68, 7.68); Calibrated: 2016/05/12;
Sensor-Surface: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 7.89 W/kg

Date: 2017/01/17
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

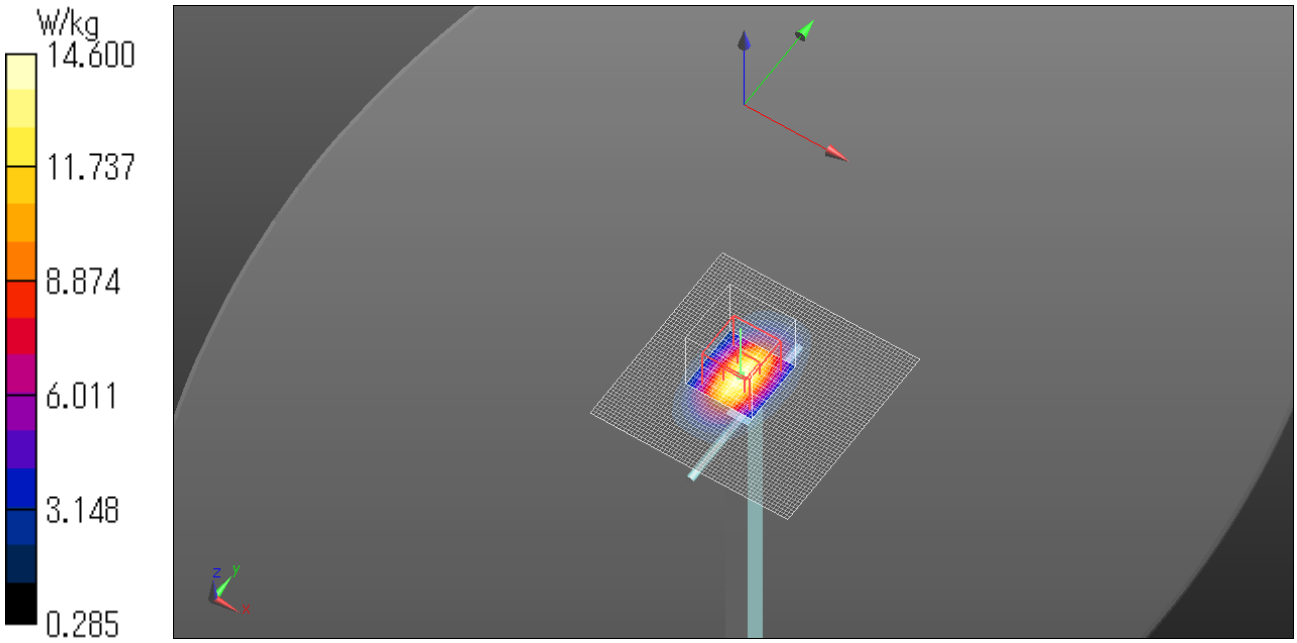


20170118_SystemPerformanceCheck-1900MHz
Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.54 S/m; ε_r = 51.261; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.68, 7.68, 7.68); 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 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.5 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.11 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 18.6 W/kg
SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.41 W/kg
Maximum value of SAR (measured) = 14.6 W/kg

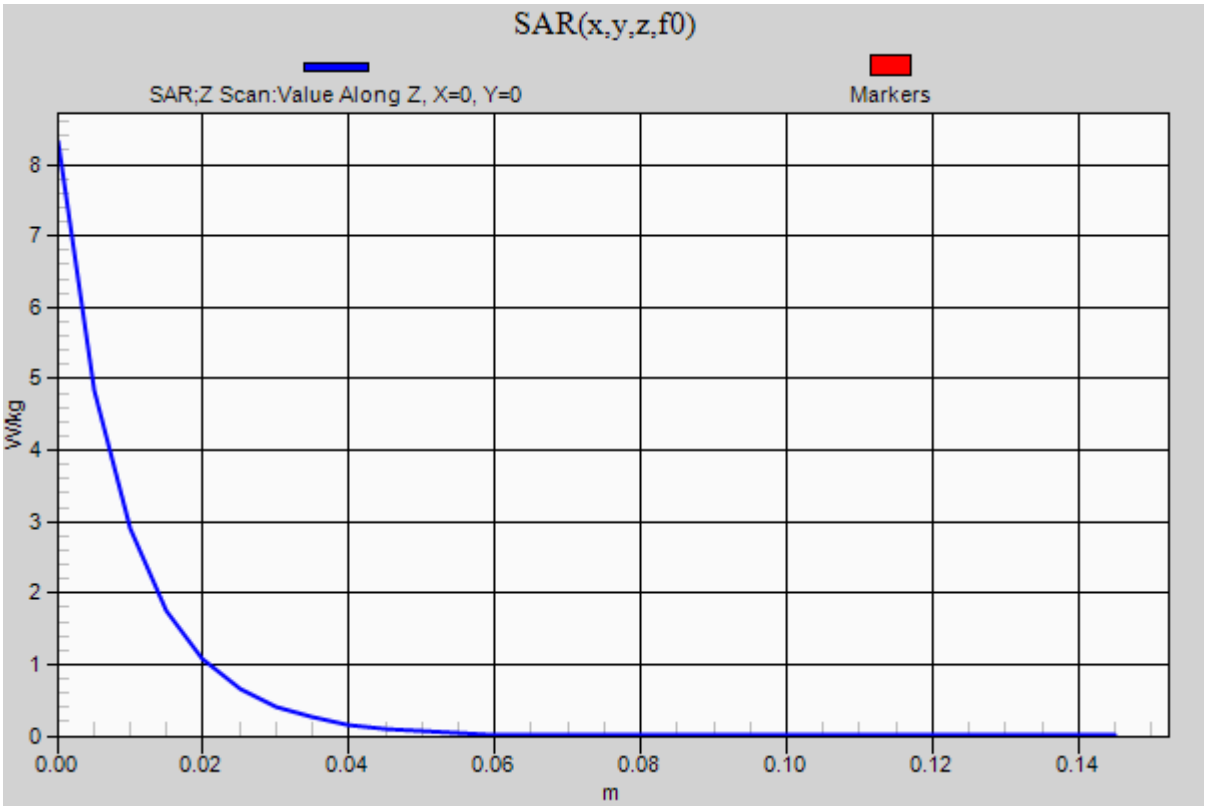
Date: 2017/01/18
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170118_SystemPerformanceCheck-1900MHz
Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.54 S/m; ε_r = 51.261; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.68, 7.68, 7.68); Calibrated: 2016/05/12;
Sensor-Surface: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 8.31 W/kg

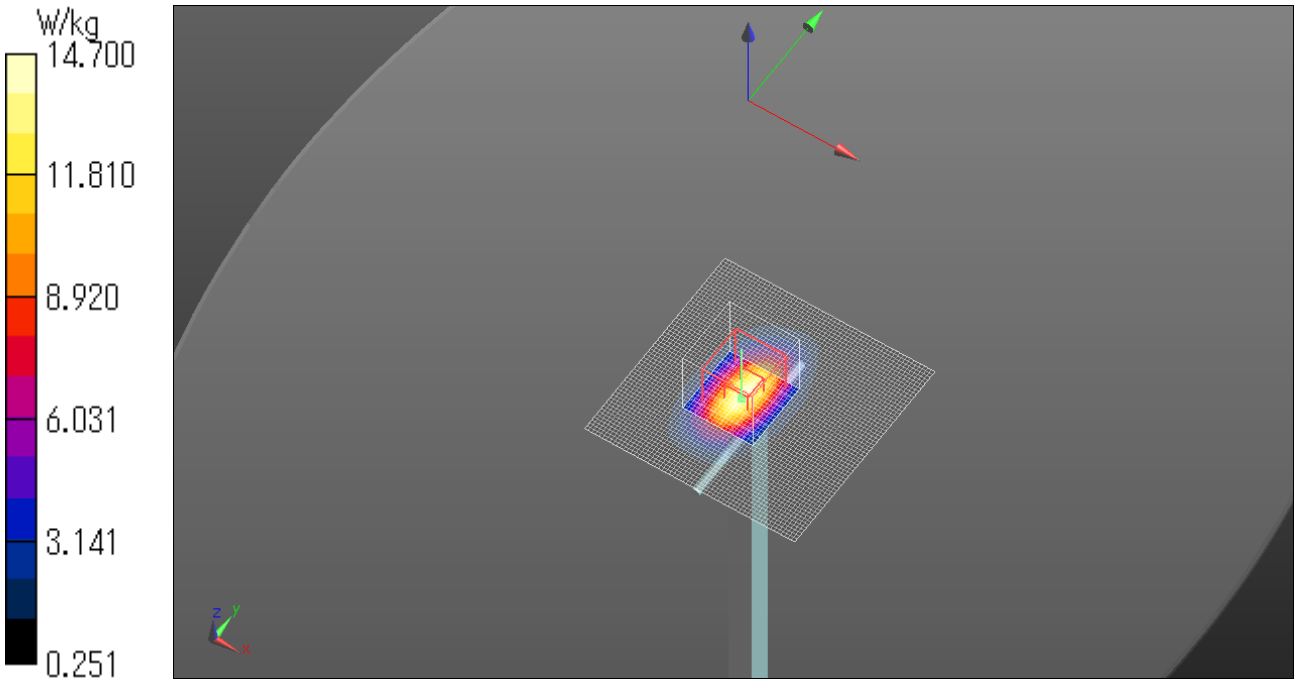
Date: 2017/01/18
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170216_SystemPerformanceCheck-1900MHz
Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.575 S/m; ε_r = 50.97; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.68, 7.68, 7.68); 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)

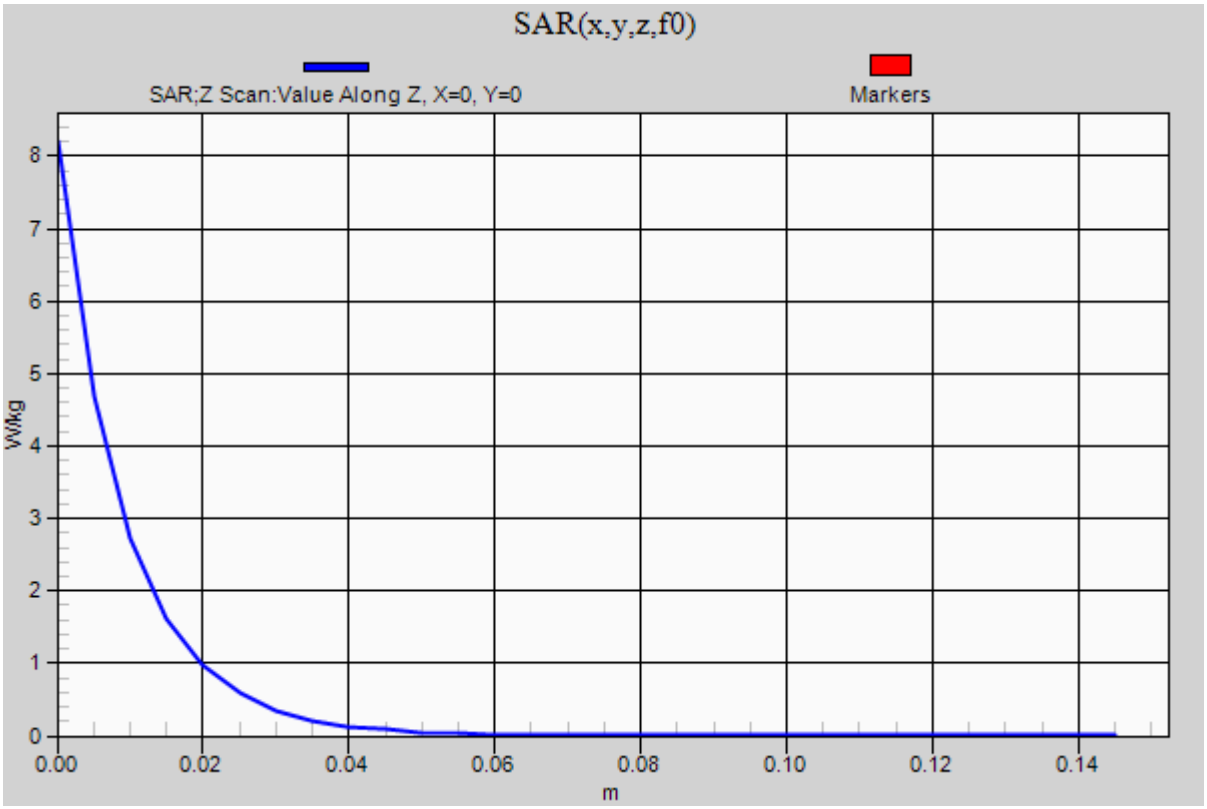
Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.6 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 98.38 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 18.9 W/kg
SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.32 W/kg
Maximum value of SAR (measured) = 14.7 W/kg
Date: 2017/02/16
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170216_SystemPerformanceCheck-1900MHz
Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.575 S/m; ε_r = 50.97; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.68, 7.68, 7.68); Calibrated: 2016/05/12;
Sensor-Surface: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 8.20 W/kg
Date: 2017/02/16
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

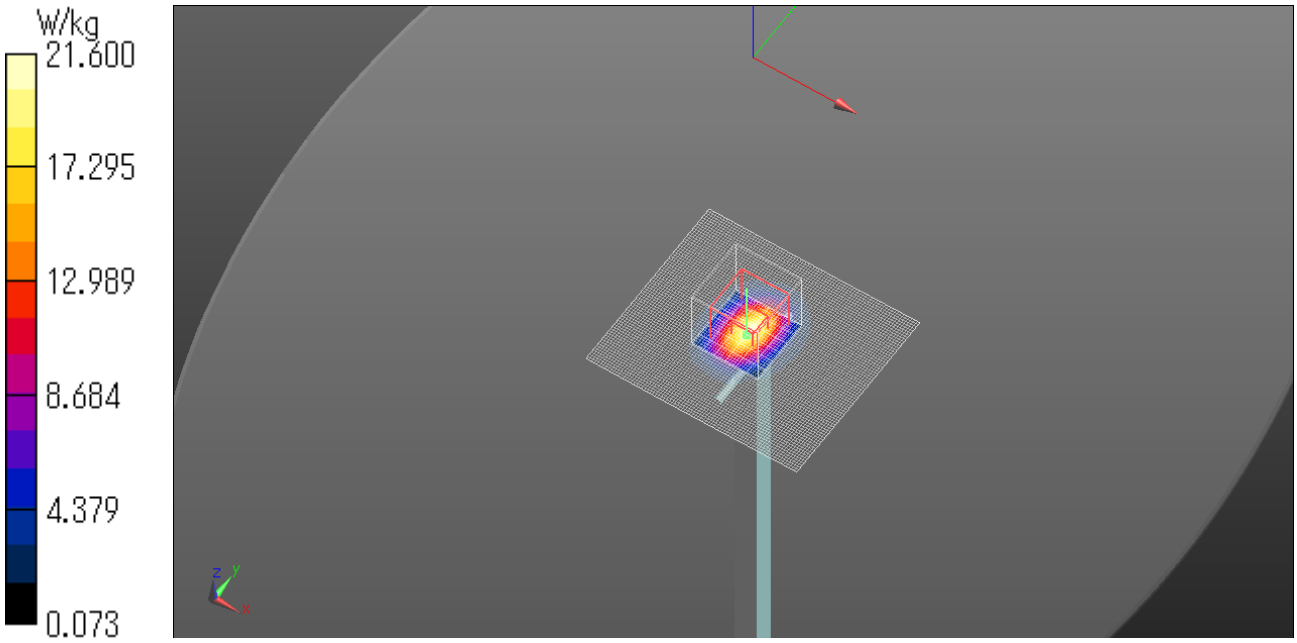


20170119_SystemPerformanceCheck-2600MHz
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.23 S/m; ε_r = 50.184; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (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 (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.7 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.64 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 30.1 W/kg
SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.09 W/kg
Maximum value of SAR (measured) = 21.6 W/kg

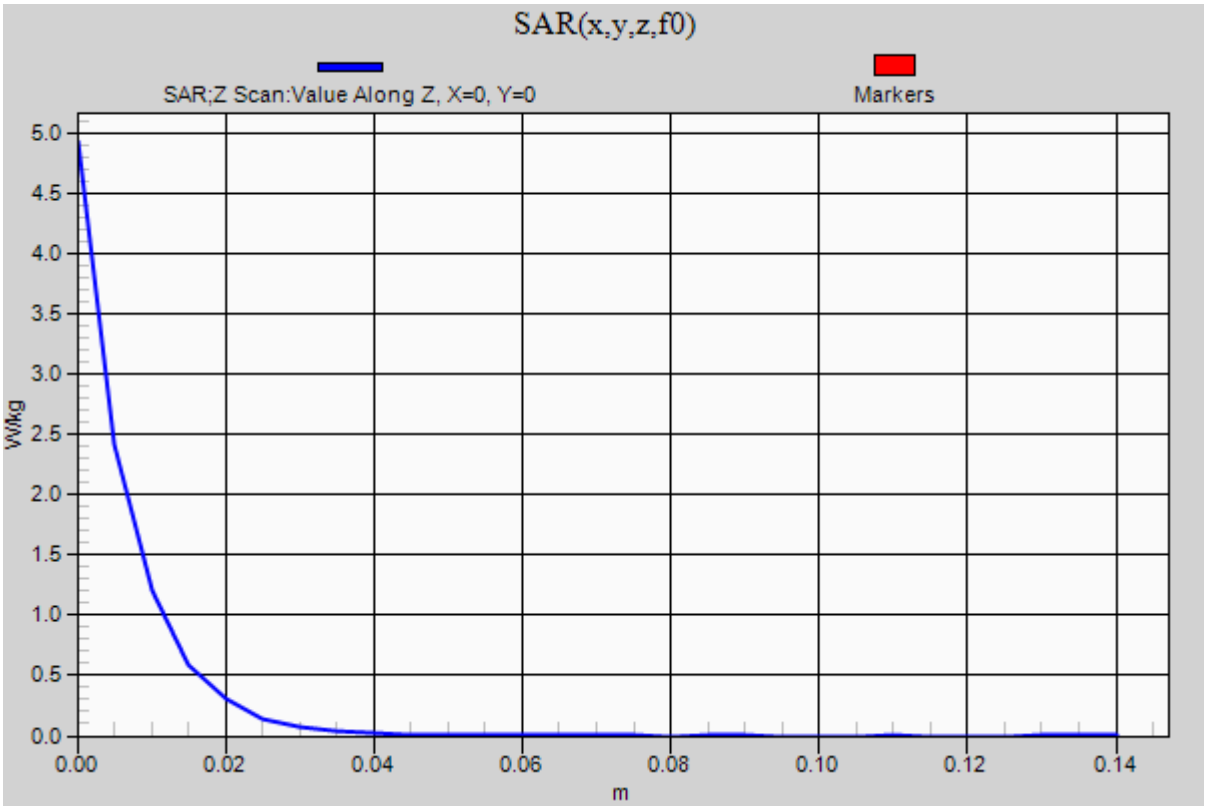
Date: 2017/01/19
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170119_SystemPerformanceCheck-2600MHz
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.23 S/m; ε_r = 50.184; ρ = 1000 kg/m^3
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: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.92 W/kg

Date: 2017/01/19
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

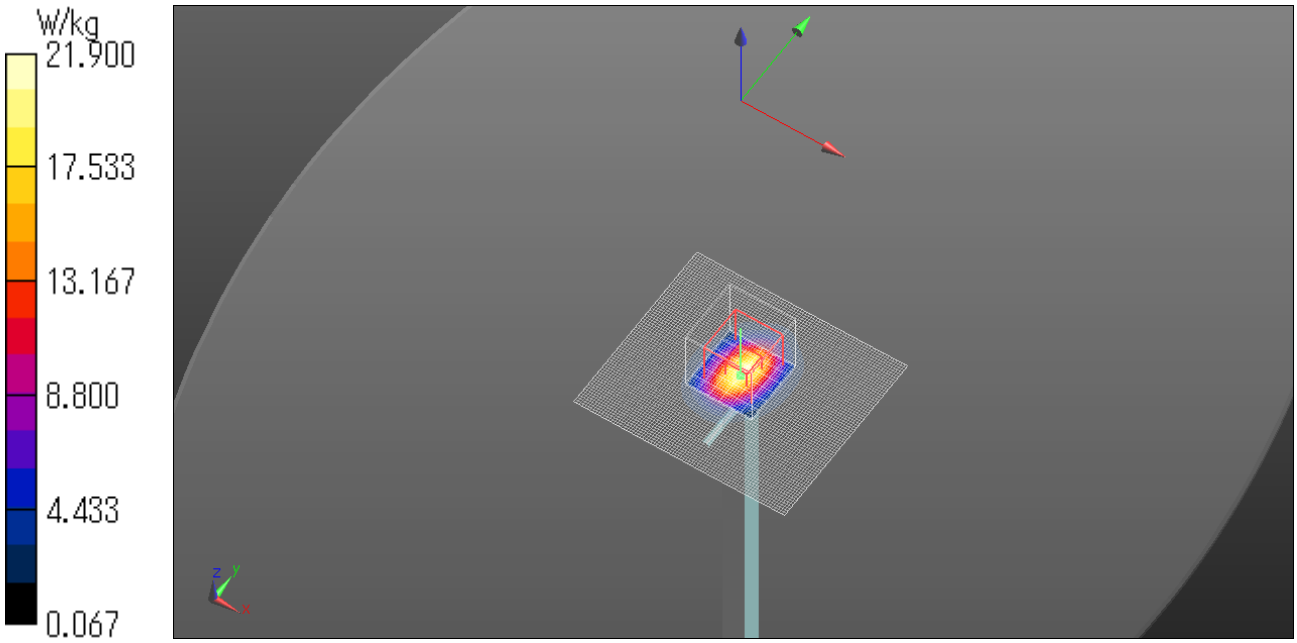


20170120_SystemPerformanceCheck-2600MHz
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.234 S/m; ε_r = 51.259; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (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 (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.4 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.8 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 30.8 W/kg
SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.02 W/kg
Maximum value of SAR (measured) = 21.9 W/kg

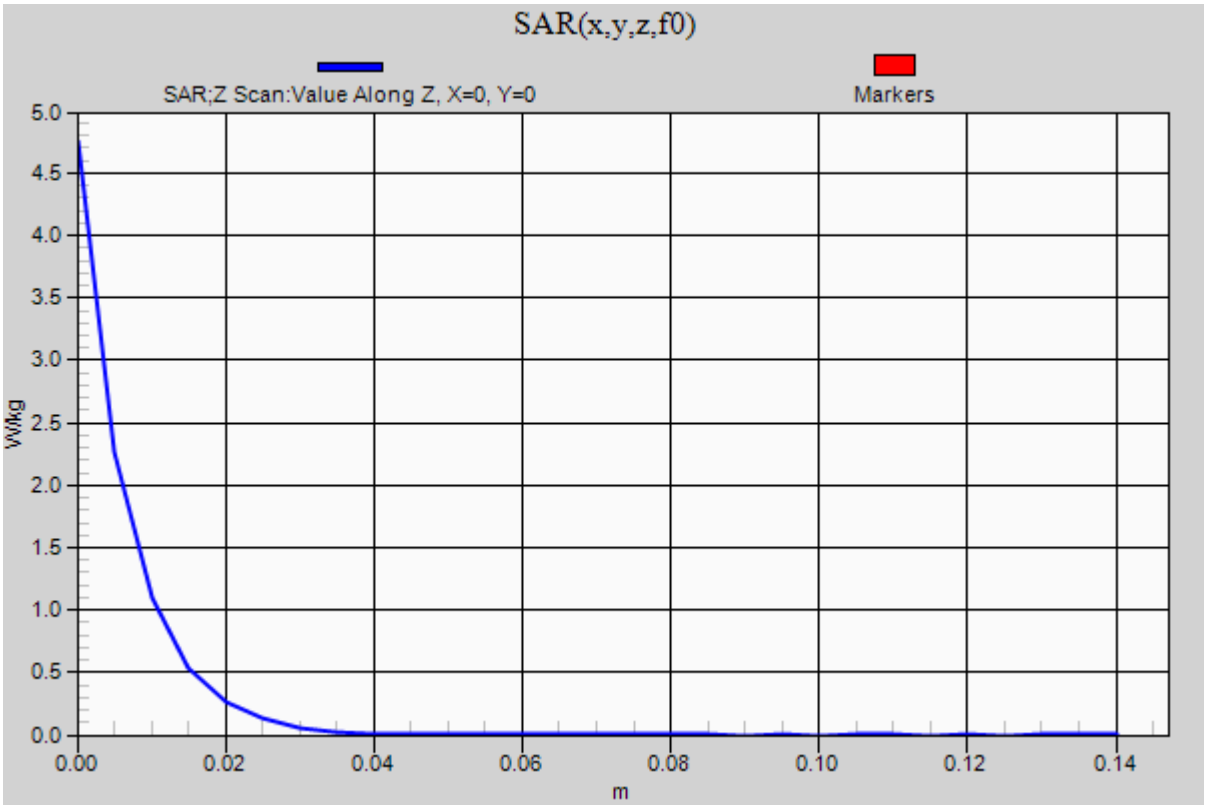
Date: 2017/01/20
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170120_SystemPerformanceCheck-2600MHz
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.234 S/m; ε_r = 51.259; ρ = 1000 kg/m^3
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: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.75 W/kg

Date: 2017/01/20
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

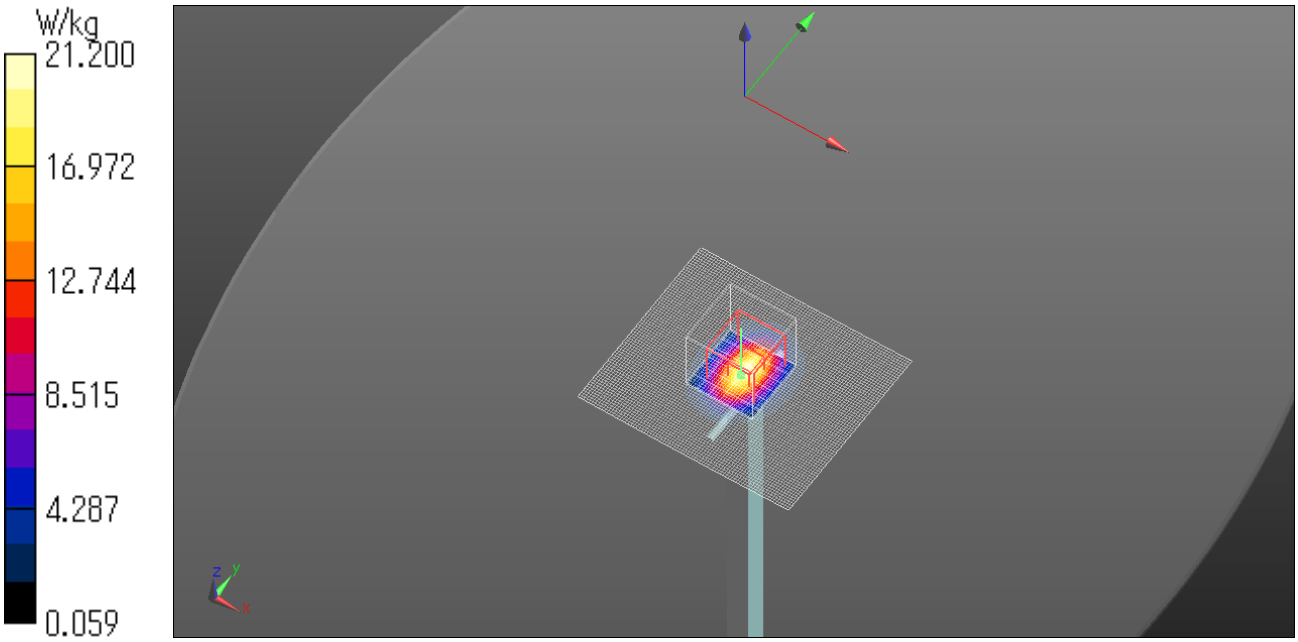


20170123_SystemPerformanceCheck-2600MHz
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.226 S/m; ε_r = 51.269; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (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 (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.5 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.46 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 30.1 W/kg
SAR(1 g) = 13.5 W/kg; SAR(10 g) = 5.84 W/kg
Maximum value of SAR (measured) = 21.2 W/kg

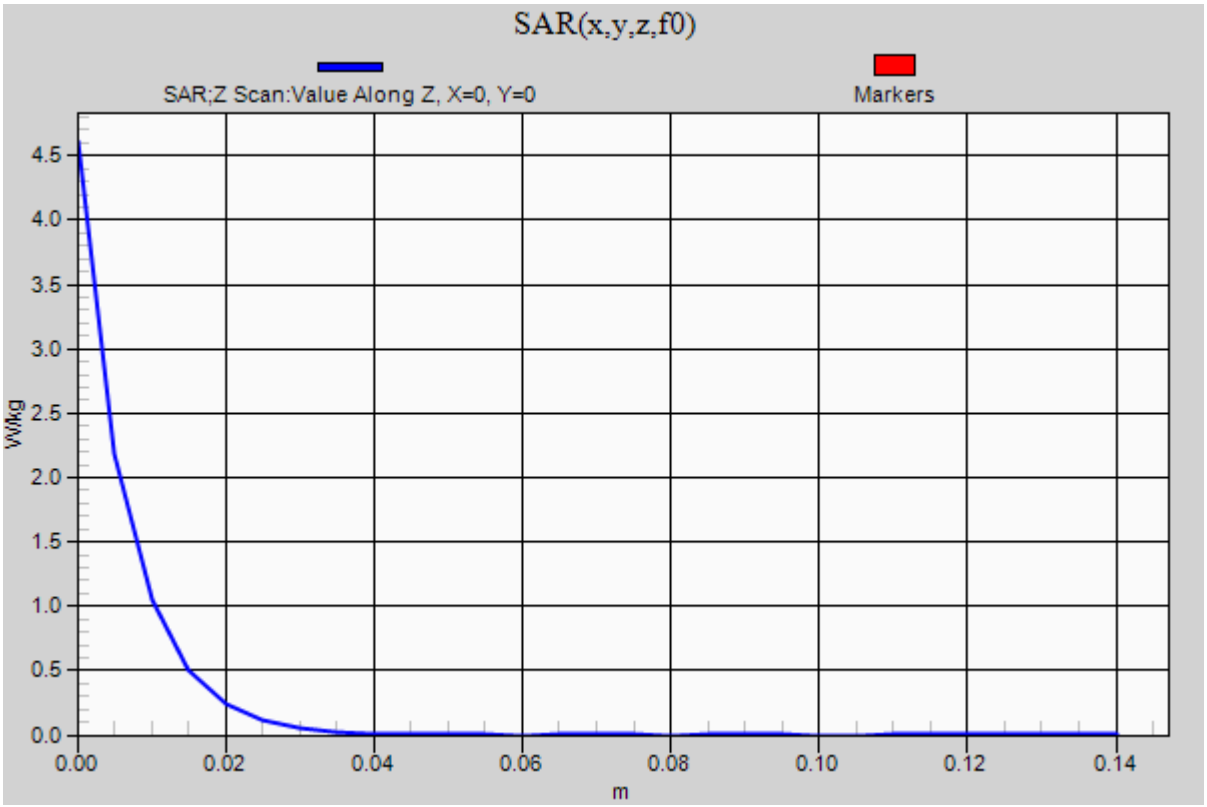
Date: 2017/01/23
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170123_SystemPerformanceCheck-2600MHz
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.226 S/m; ε_r = 51.269; ρ = 1000 kg/m^3
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: 0mm (Fix Surface)
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)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.61 W/kg

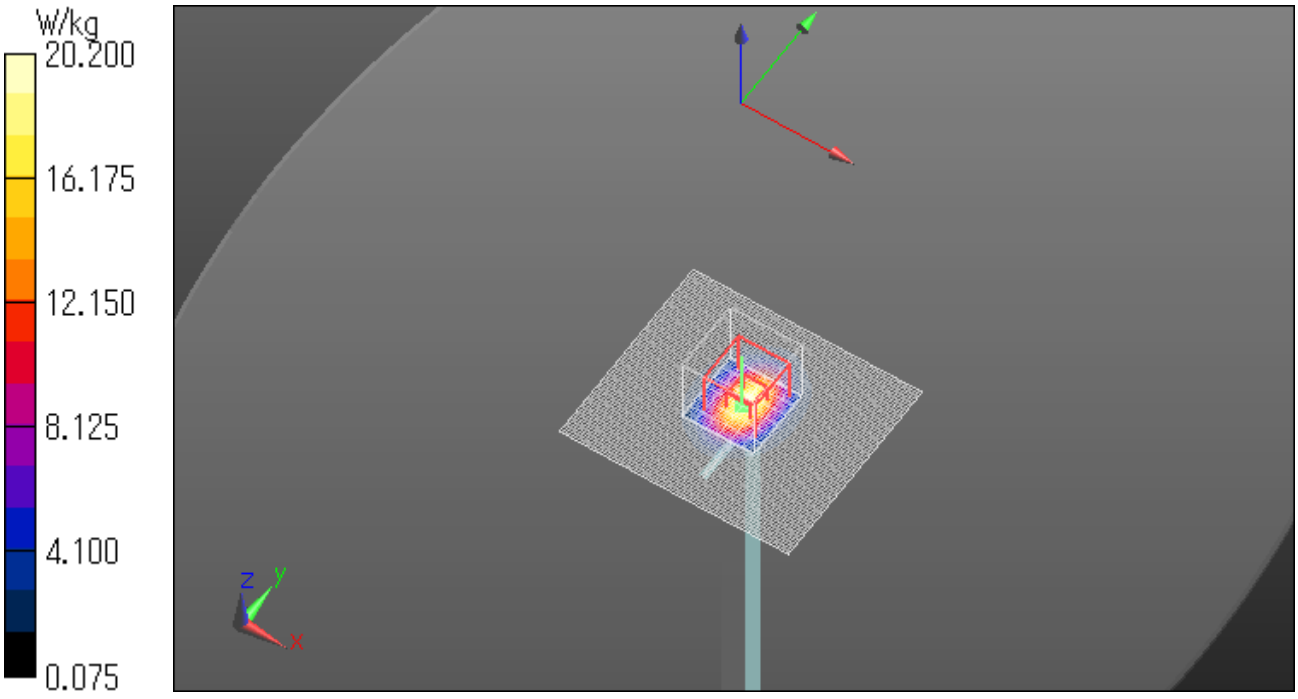
Date: 2017/01/23
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170221_SystemPerformanceCheck-2600MHz
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.111 S/m; ε_r = 51.039; ρ = 1000 kg/m^3
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 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 (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.4 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 101.9 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 28.6 W/kg
SAR(1 g) = 13.2 W/kg; SAR(10 g) = 5.85 W/kg
Maximum value of SAR (measured) = 20.2 W/kg
Date: 2017/02/21
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



20170221_SystemPerformanceCheck-2600MHz
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;
Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.111 S/m; ε_r = 51.039; ρ = 1000 kg/m^3
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 v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 22.3 W/kg
Date: 2017/02/21
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.