Appendix B. SAR measurement Data

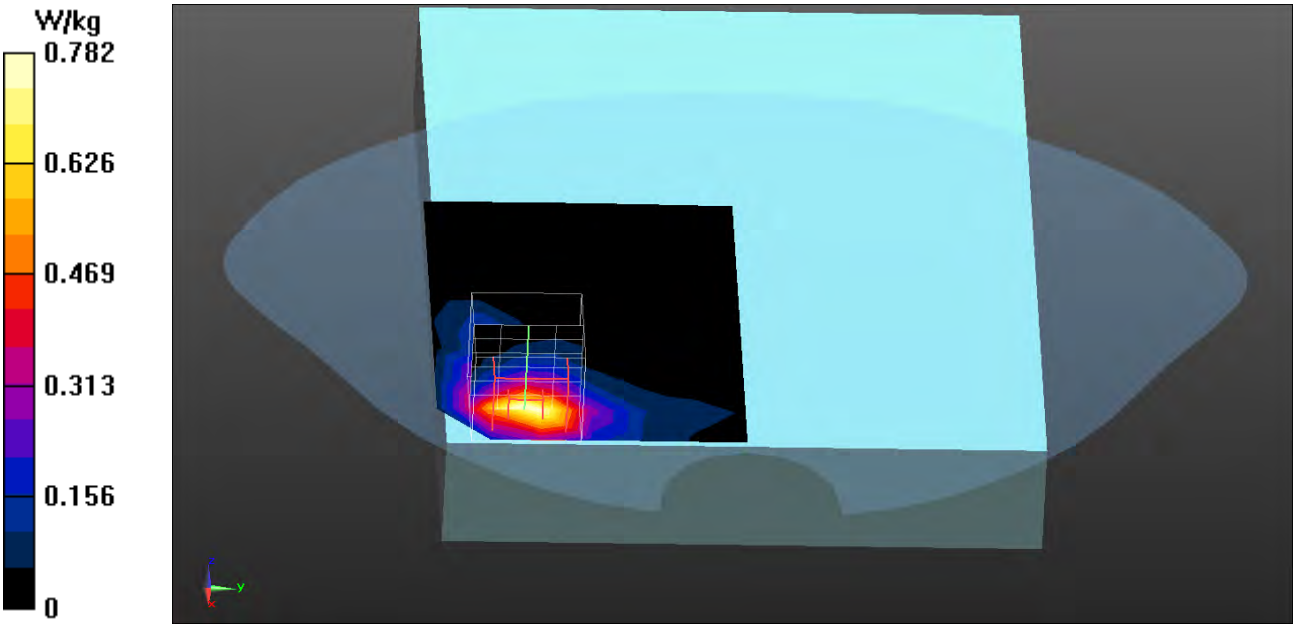
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9262-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1852.4 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1852.4 MHz; σ = 1.53 S/m; ε_r = 54.53; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.782 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.811 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.359 W/kg
Maximum value of SAR (measured) = 0.867 W/kg



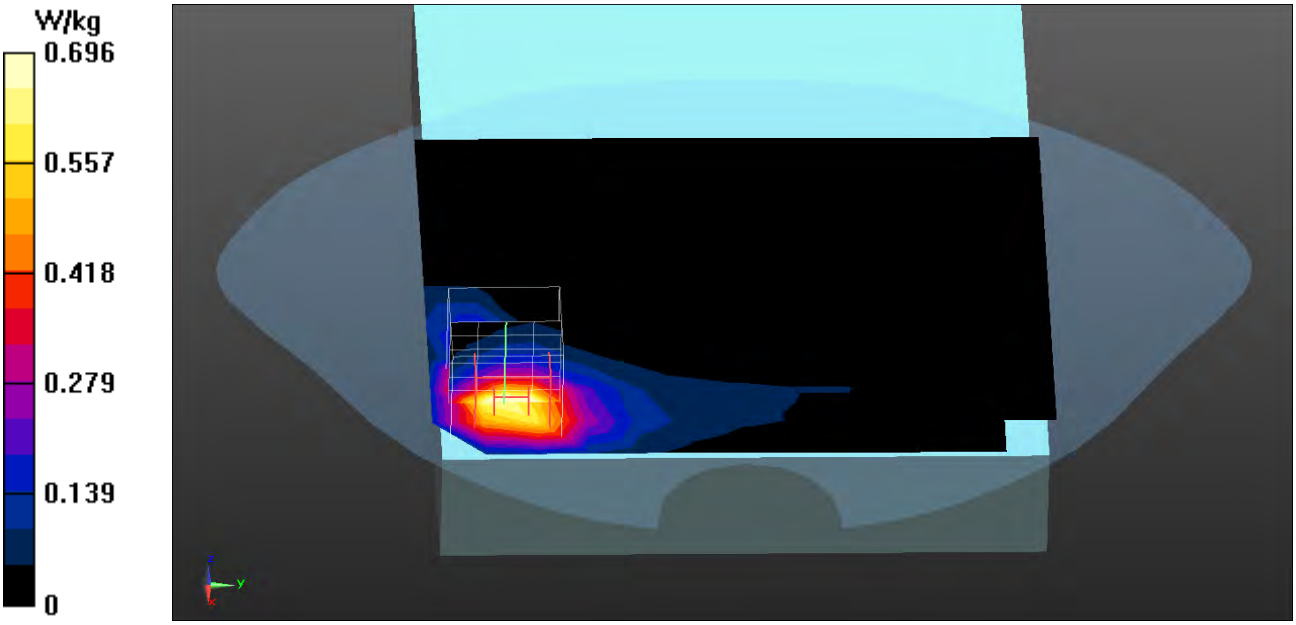
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9400-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.696 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.5670 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.707 W/kg; SAR(10 g) = 0.373 W/kg
Maximum value of SAR (measured) = 0.895 W/kg



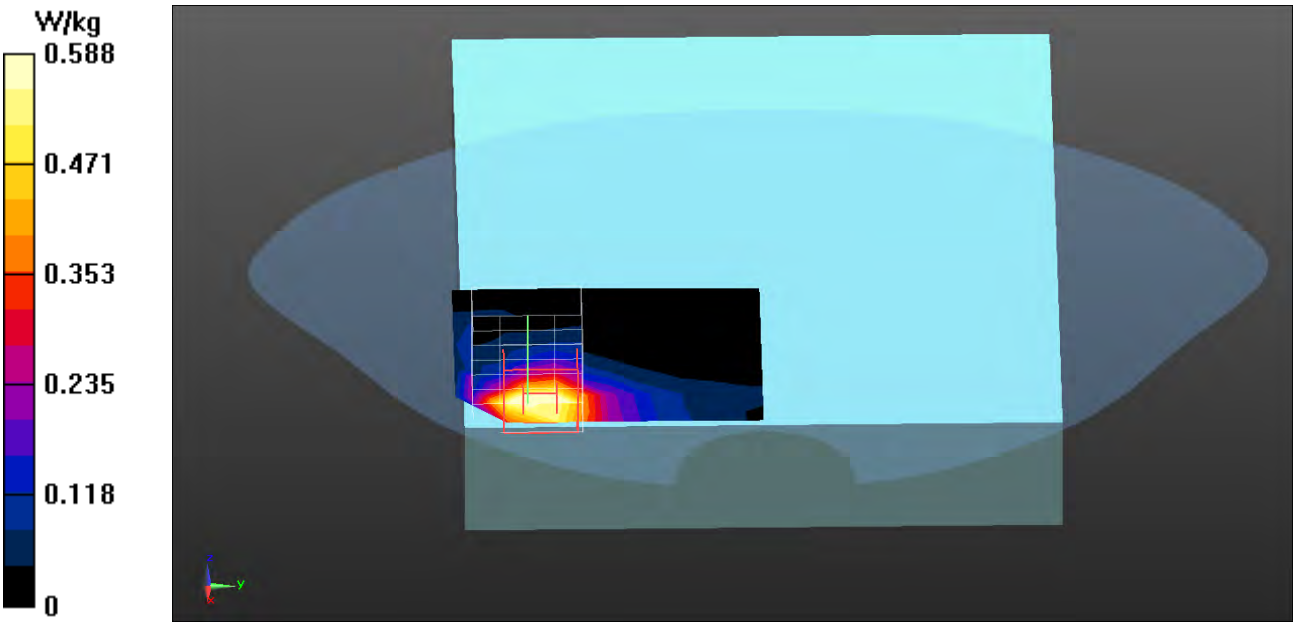
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9538-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1907.6 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1907.6 MHz; σ = 1.58 S/m; ε_r = 54.35; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.588 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.8240 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.325 W/kg
Maximum value of SAR (measured) = 0.761 W/kg



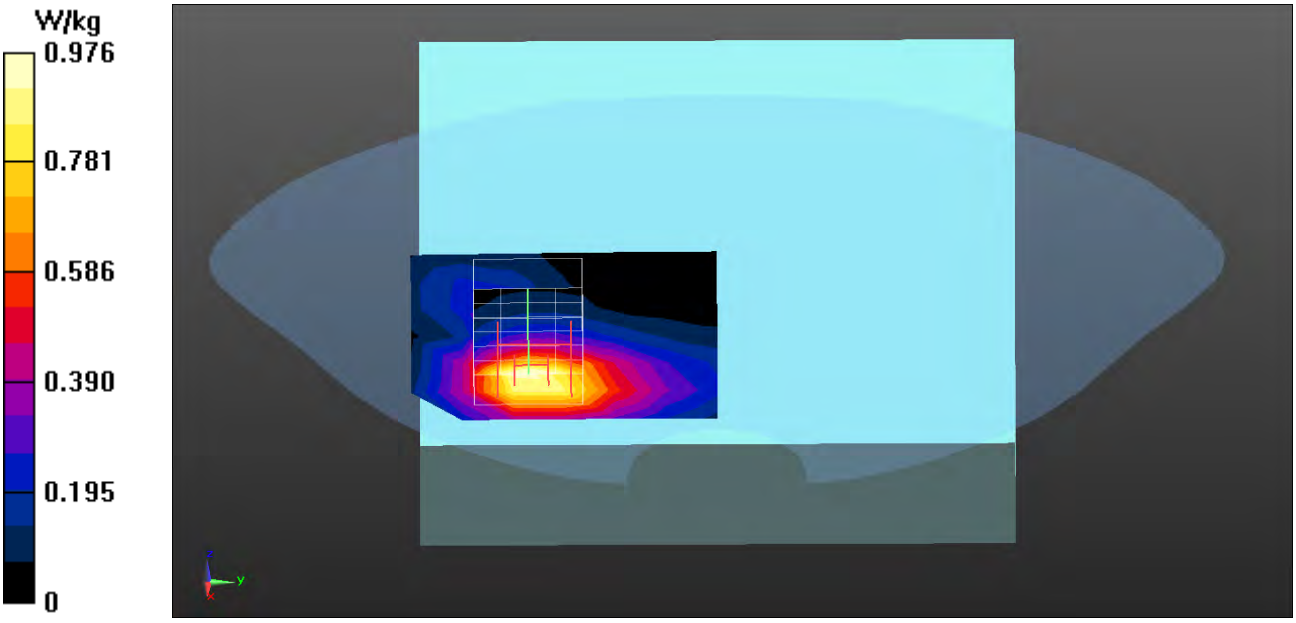
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9262-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1852.4 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1852.4 MHz; σ = 1.53 S/m; ε_r = 54.53; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.976 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.155 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.521 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



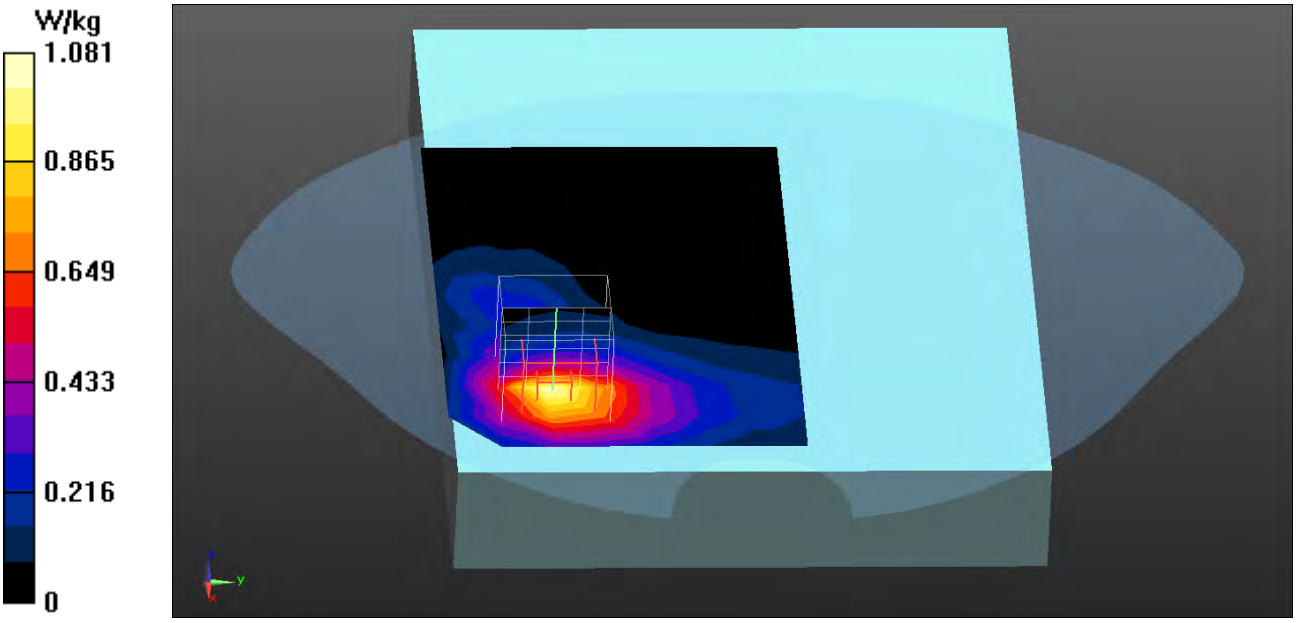
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9400-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.08 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.621 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.906 W/kg; SAR(10 g) = 0.536 W/kg
Maximum value of SAR (measured) = 1.09 W/kg



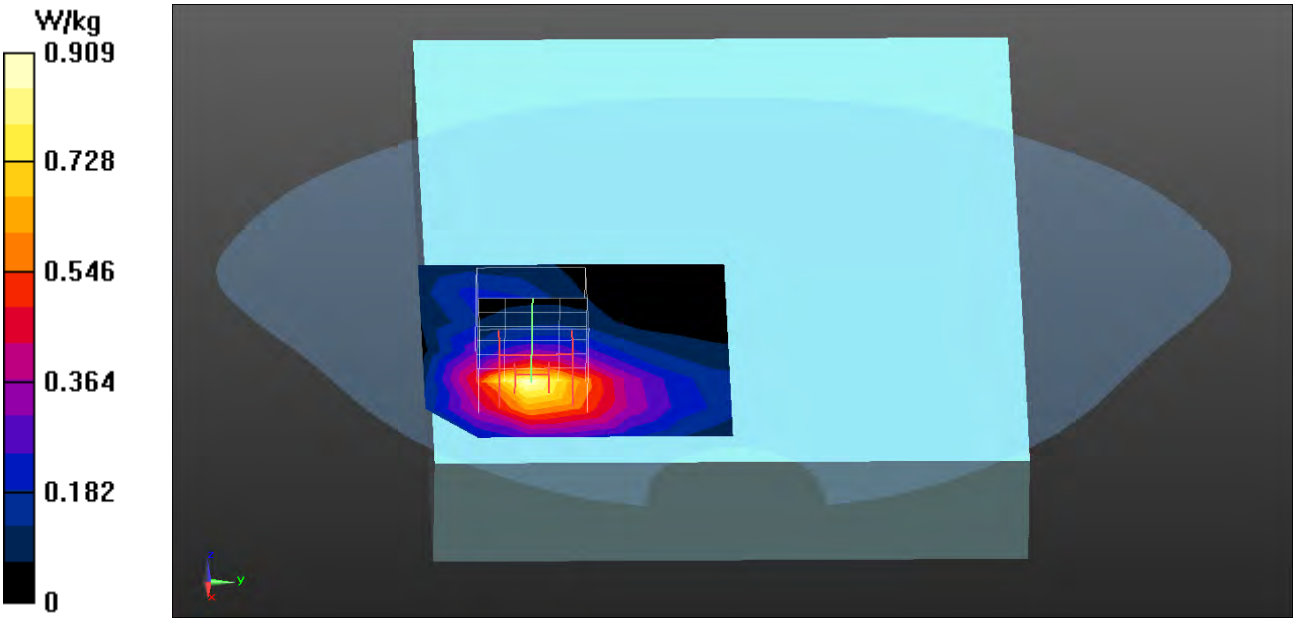
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9538-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1907.6 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1907.6 MHz; σ = 1.58 S/m; ε_r = 54.35; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.909 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.381 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.450 W/kg
Maximum value of SAR (measured) = 0.931 W/kg



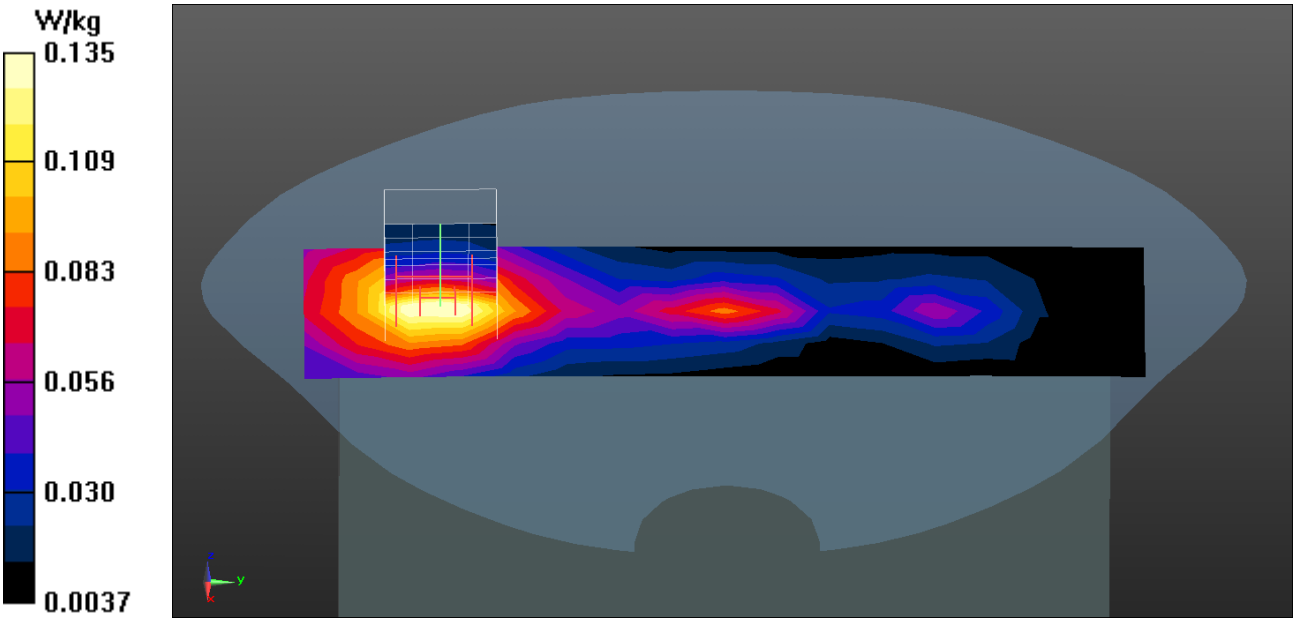
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9400-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.135 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.767 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.184 W/kg
SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.079 W/kg
Maximum value of SAR (measured) = 0.143 W/kg



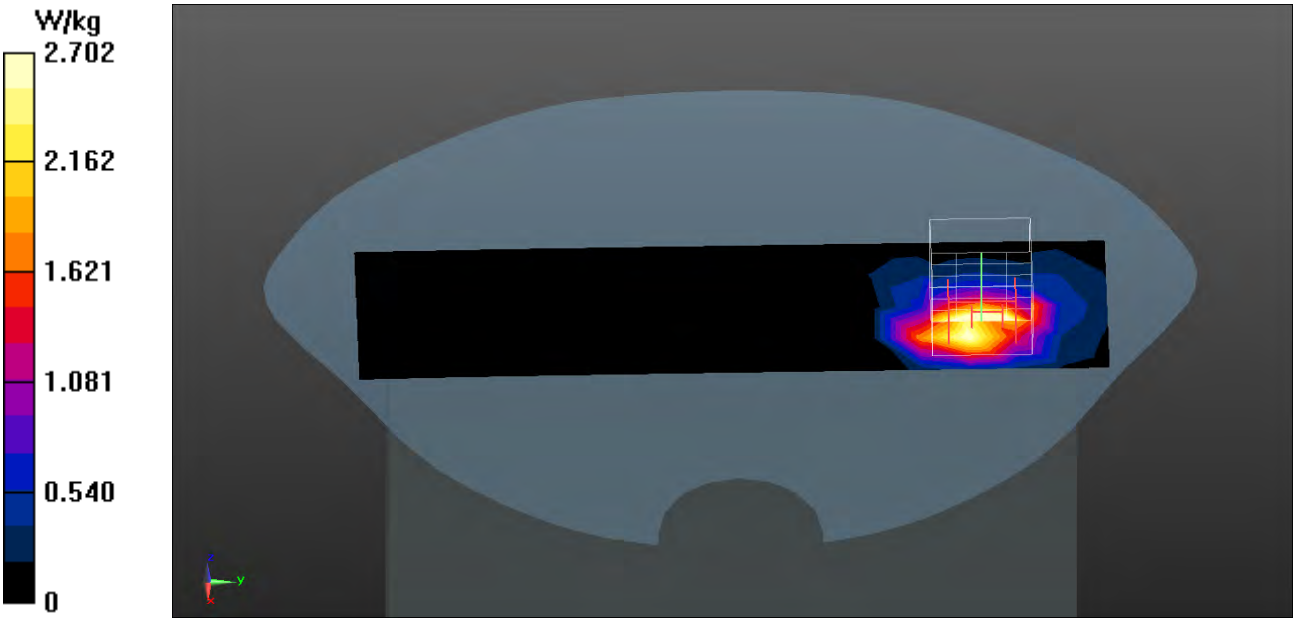
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9400-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.70 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.871 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 5.67 W/kg
SAR(1 g) = 3.01 W/kg; SAR(10 g) = 1.49 W/kg
Maximum value of SAR (measured) = 3.62 W/kg



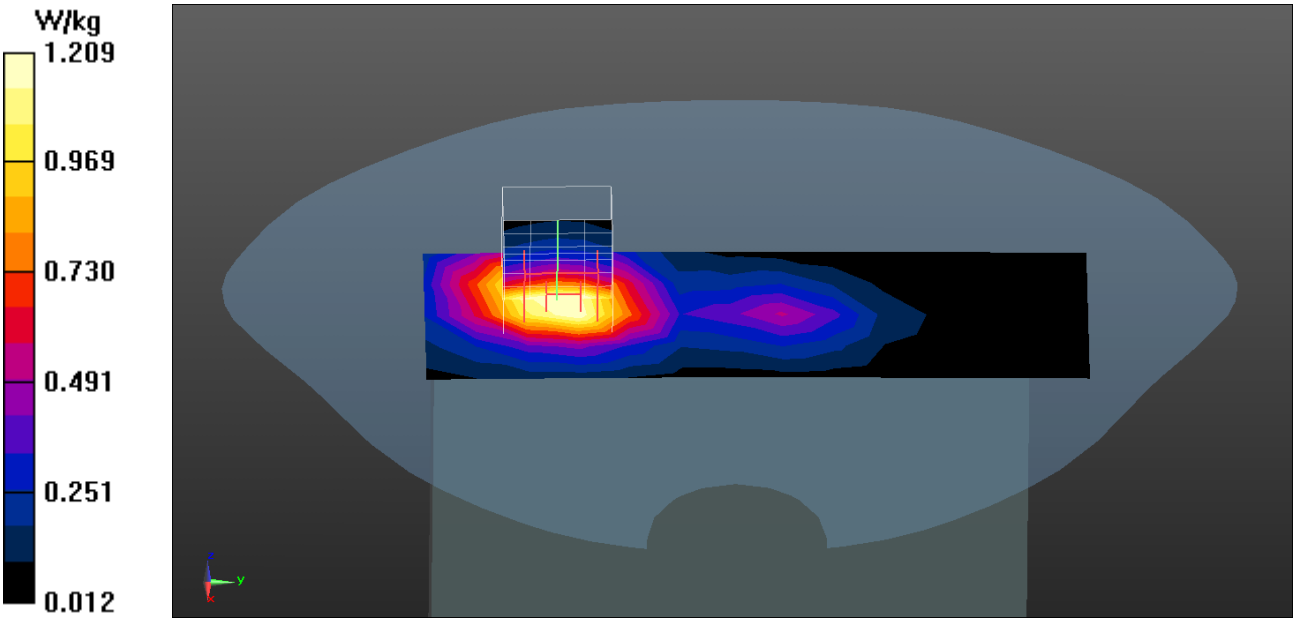
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9400-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

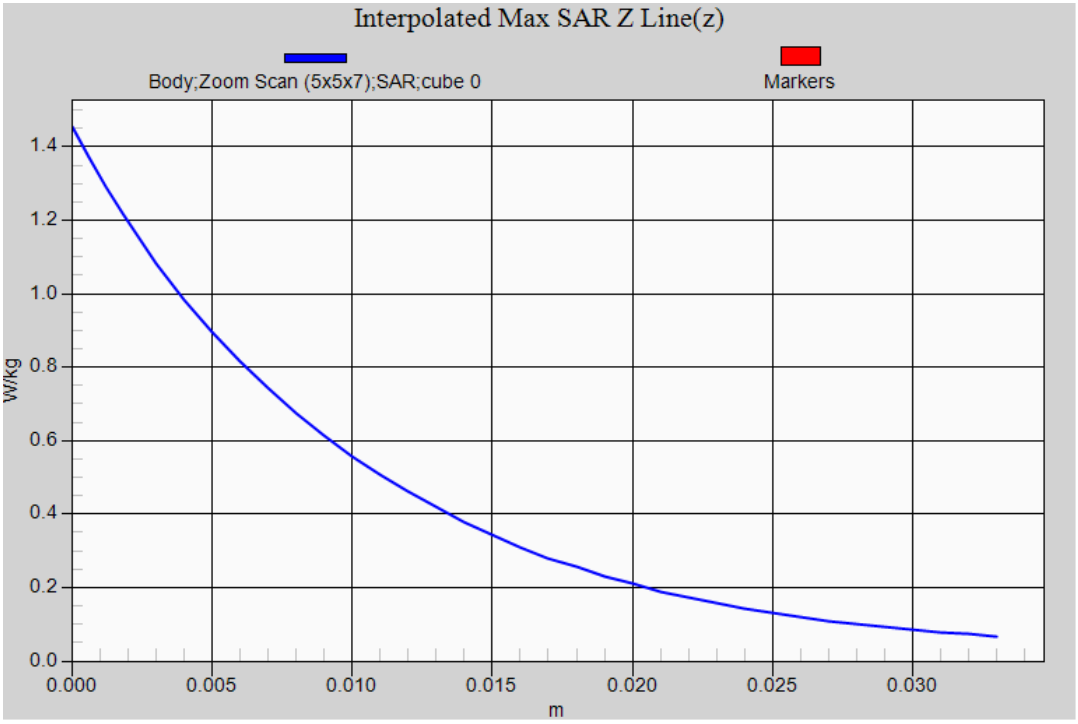
- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.21 W/kg

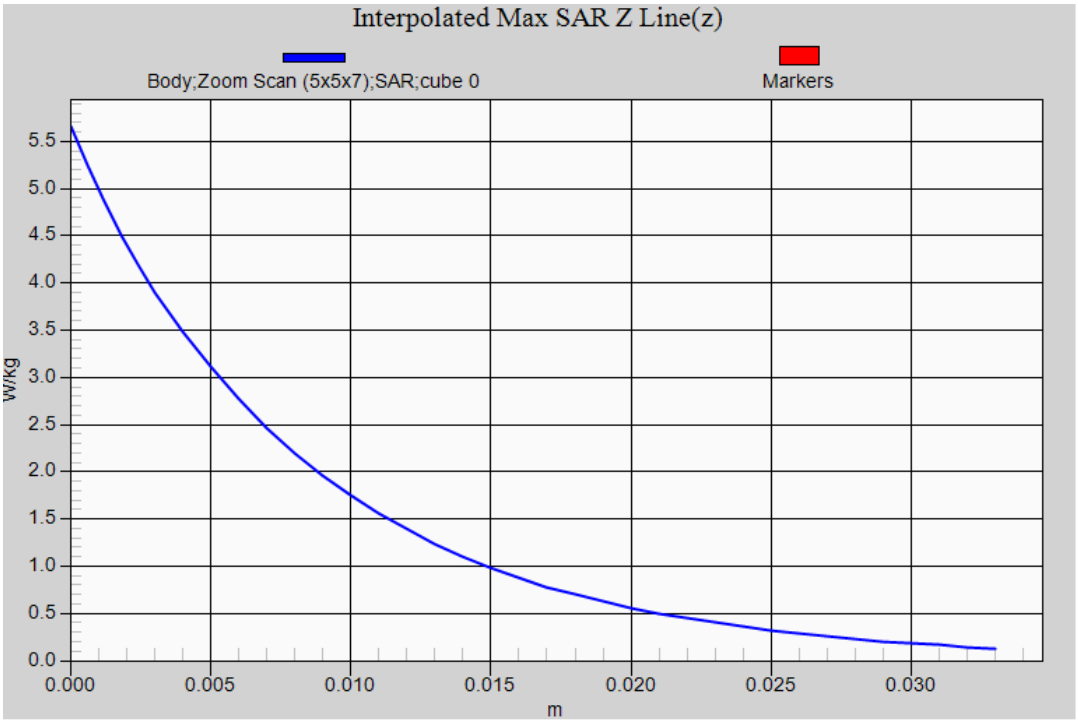
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.27 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.700 W/kg
Maximum value of SAR (measured) = 1.33 W/kg



WCDMA RMC Band 2 (Body SAR) EUT Back (6mm (Pwr OFF)) Z-Axis plot
Channel: 9400



WCDMA RMC Band 2 (Limbs SAR) EUT Top (0mm (Pwr OFF)) Z-Axis plot
Channel: 9400



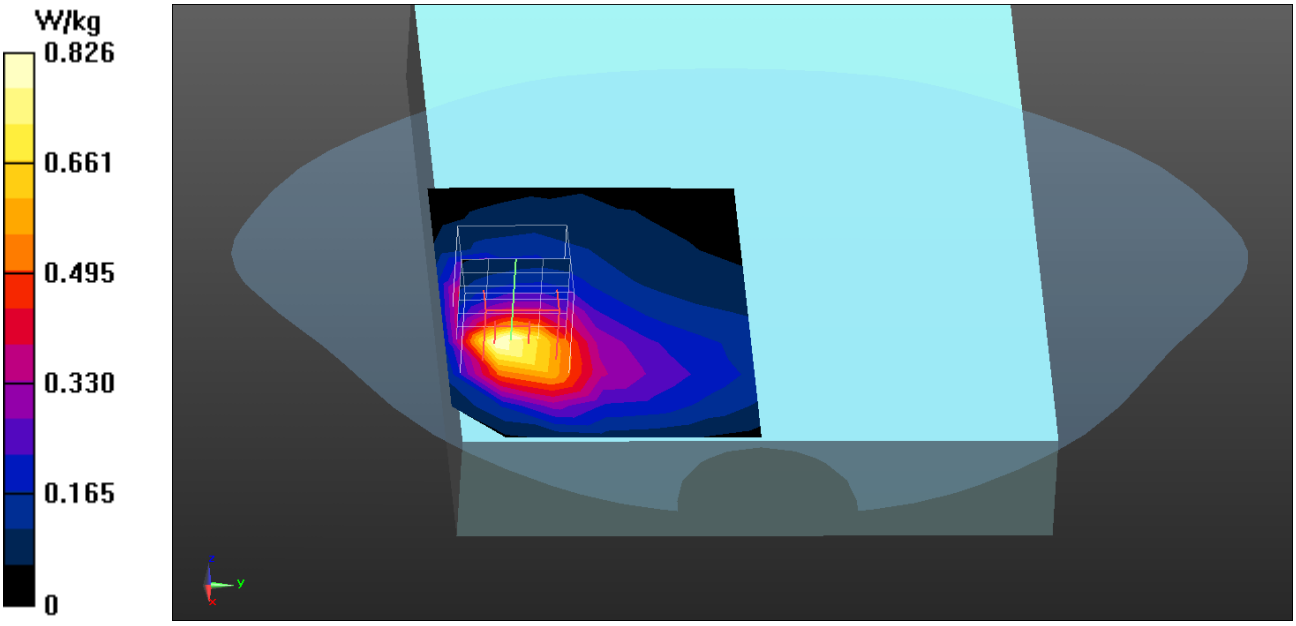
Test Laboratory: DEKRA Date/Time: 2018/07/16

WCDMA_B5_RMC_4132-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-5; Frequency: 826.4 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 826.4 MHz; σ = 1 S/m; ε_r = 56.25; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.826 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.500 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.467 W/kg
Maximum value of SAR (measured) = 0.899 W/kg



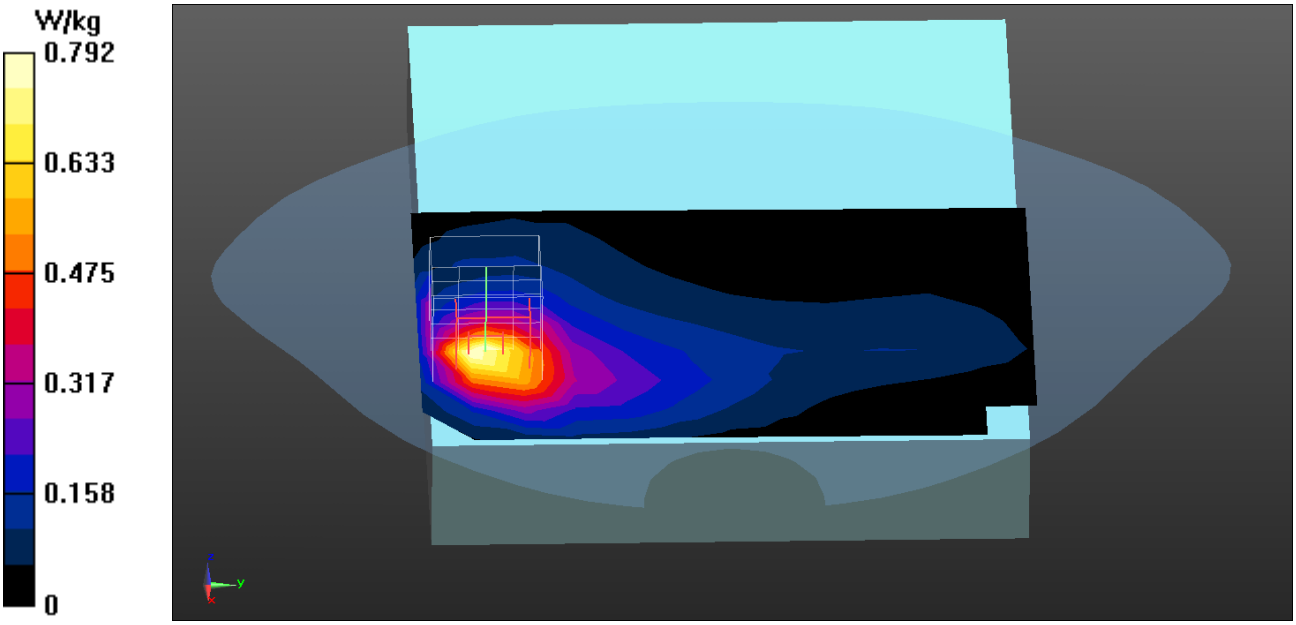
Test Laboratory: DEKRA Date/Time: 2018/07/16

WCDMA_B5_RMC_4183-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-5; Frequency: 836.6 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.6 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.792 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.700 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.450 W/kg
Maximum value of SAR (measured) = 0.874 W/kg



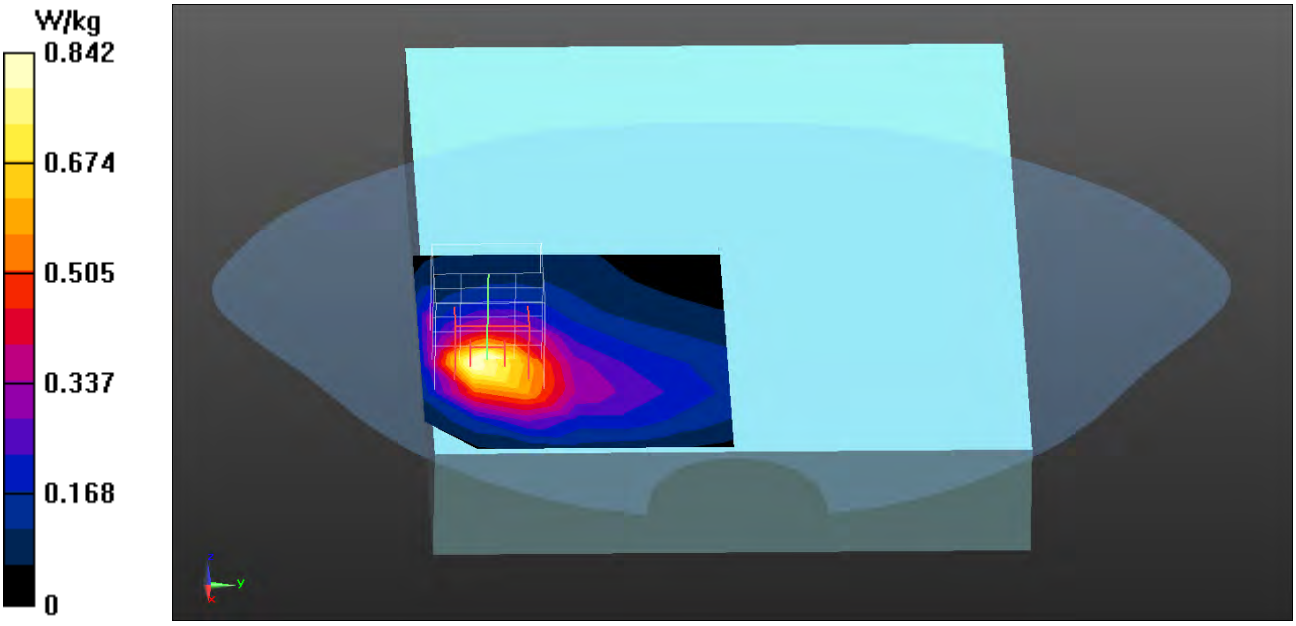
Test Laboratory: DEKRA Date/Time: 2018/07/16

WCDMA_B5_RMC_4233-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-5; Frequency: 846.6 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 846.6 MHz; σ = 1.02 S/m; ε_r = 56.07; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (8x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.842 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.567 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.779 W/kg; SAR(10 g) = 0.475 W/kg
Maximum value of SAR (measured) = 0.939 W/kg



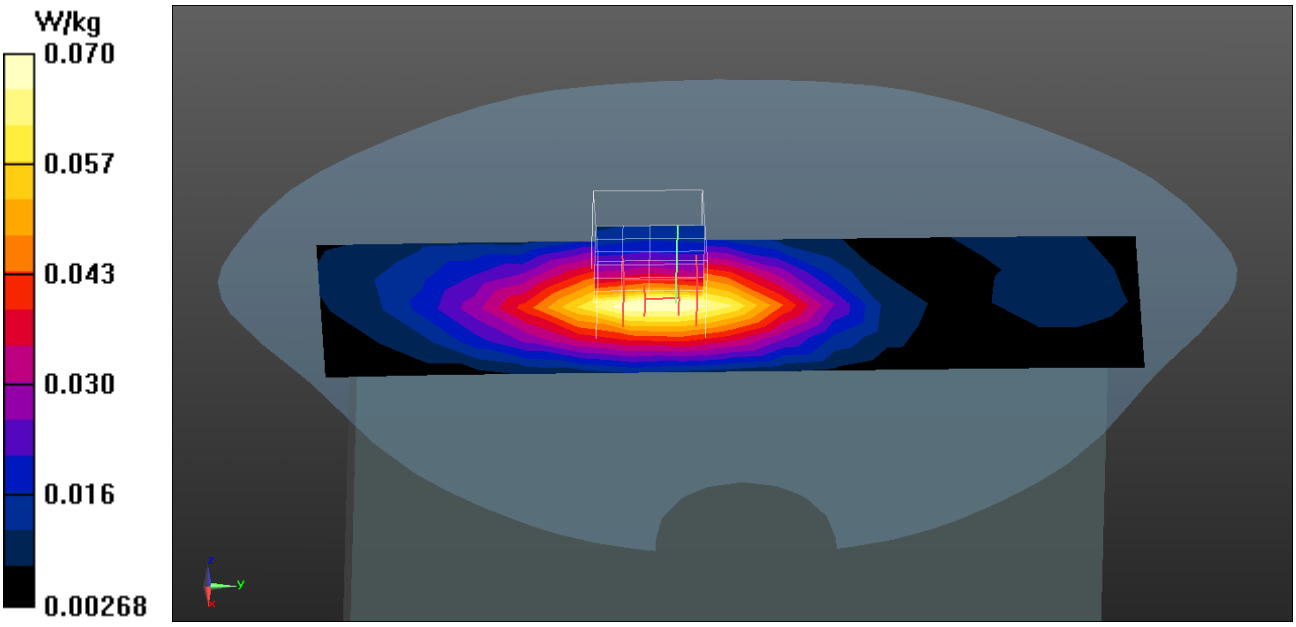
Test Laboratory: DEKRA Date/Time: 2018/07/16

WCDMA_B5_RMC_4183-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-5; Frequency: 836.6 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.6 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0703 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.057 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.0930 W/kg
SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.044 W/kg
Maximum value of SAR (measured) = 0.0732 W/kg



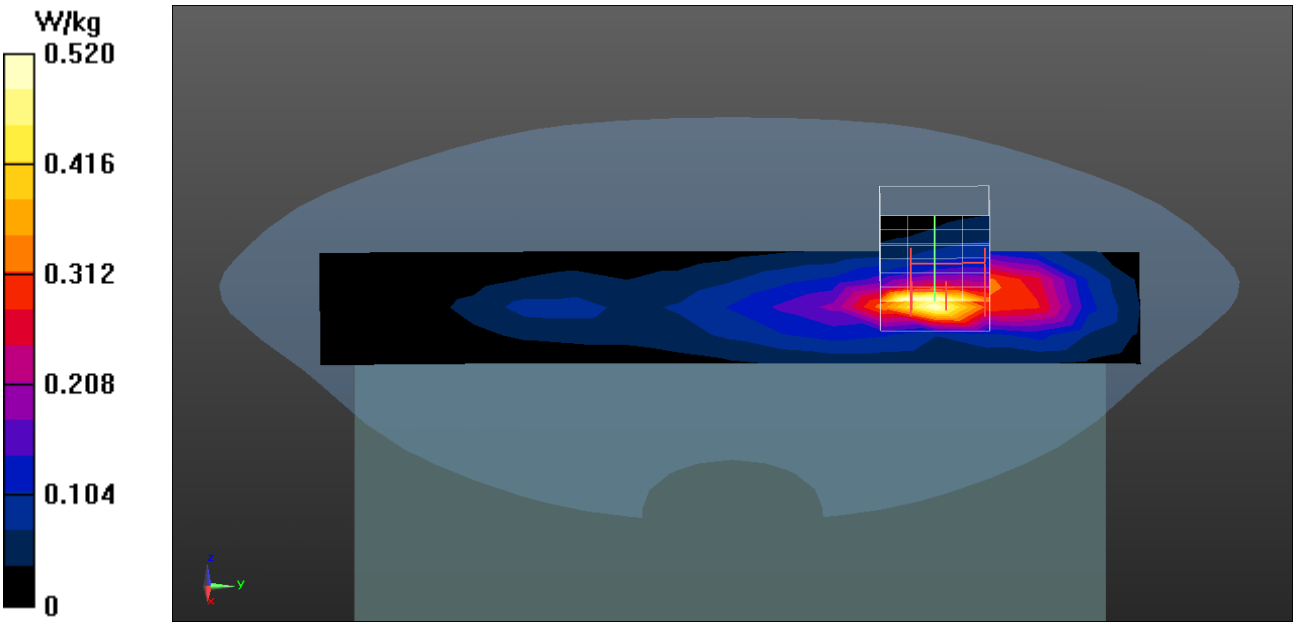
Test Laboratory: DEKRA Date/Time: 2018/07/16

WCDMA_B5_RMC_4183-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-5; Frequency: 836.6 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.6 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.520 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.55 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.949 W/kg
SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.217 W/kg
Maximum value of SAR (measured) = 0.573 W/kg



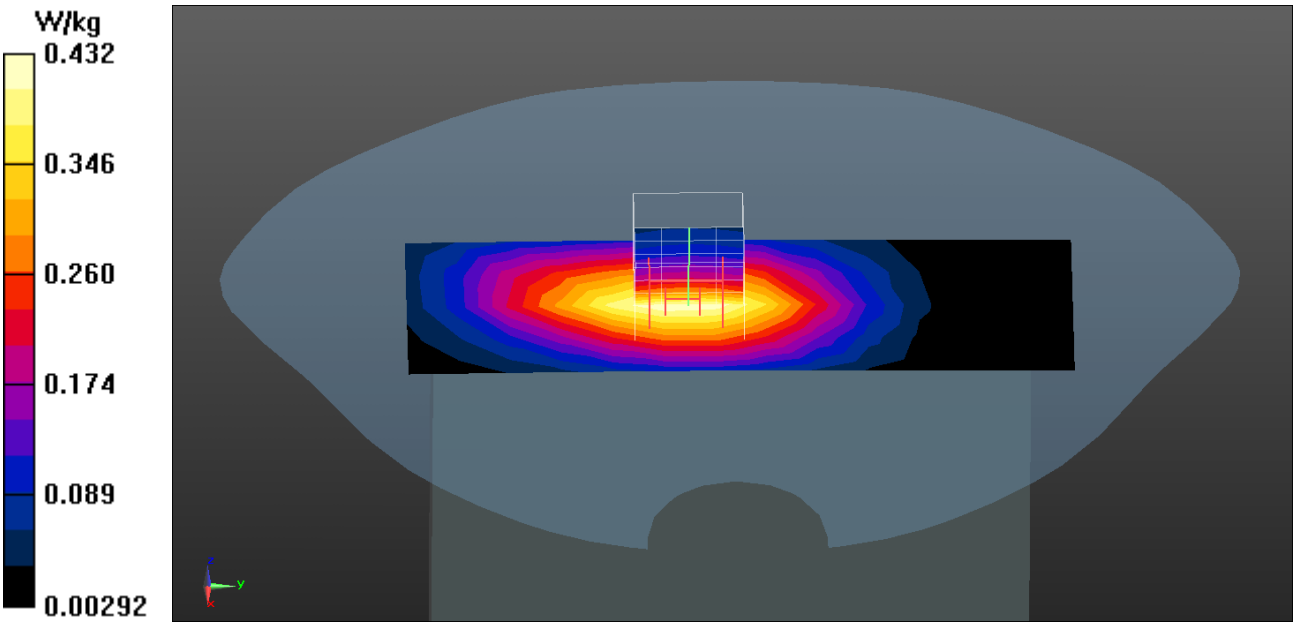
Test Laboratory: DEKRA Date/Time: 2018/07/16

WCDMA_B5_RMC_4183-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-5; Frequency: 836.6 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.6 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

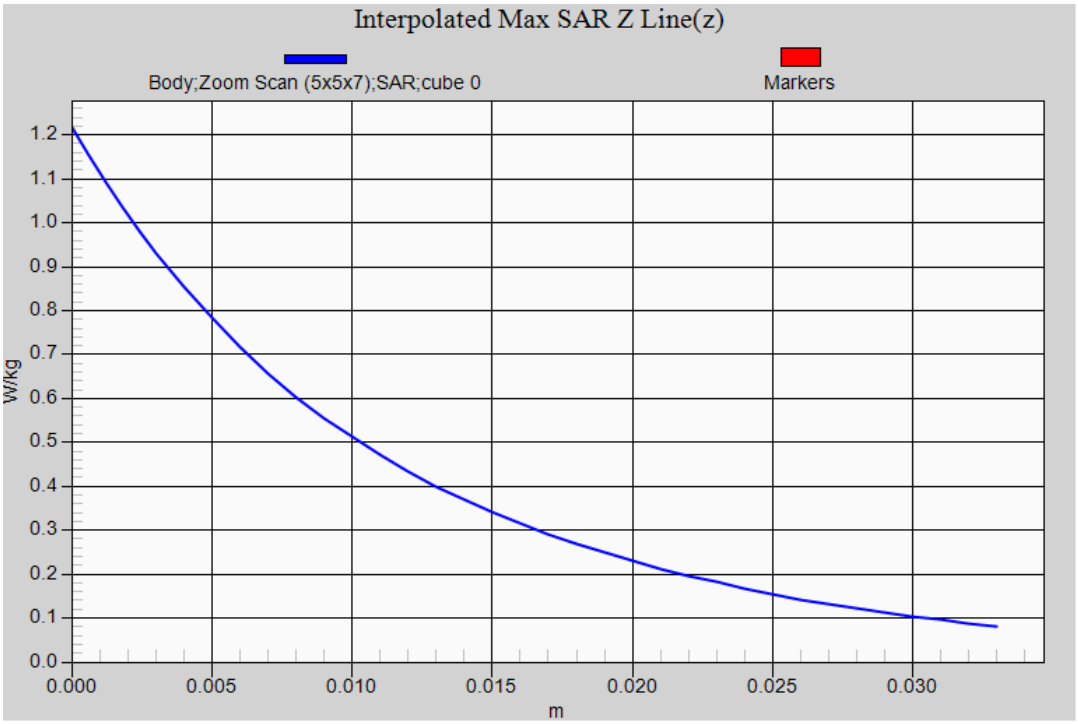
- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.432 W/kg

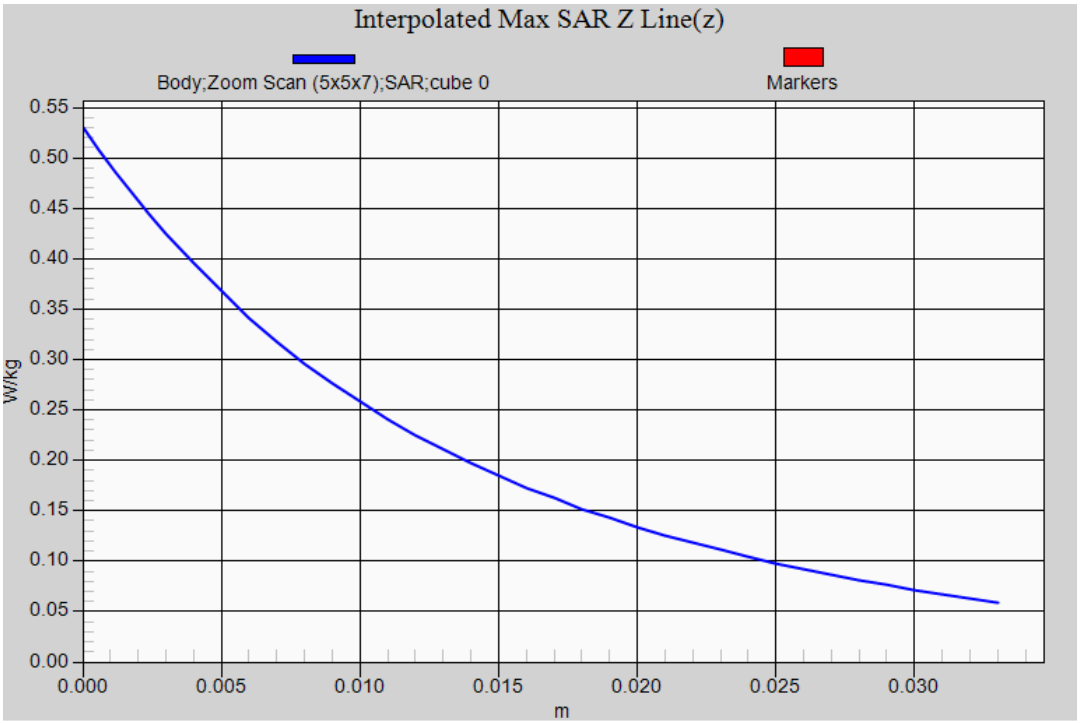
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.48 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.530 W/kg
SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.254 W/kg
Maximum value of SAR (measured) = 0.424 W/kg



WCDMA RMC Band 5 (Body SAR) EUT Back (0mm (Pwr OFF)) Z-Axis plot
Channel: 4233



WCDMA RMC Band 5 (Limbs SAR) EUT Right-side (0mm (Pwr OFF)) Z-Axis plot
Channel: 4183



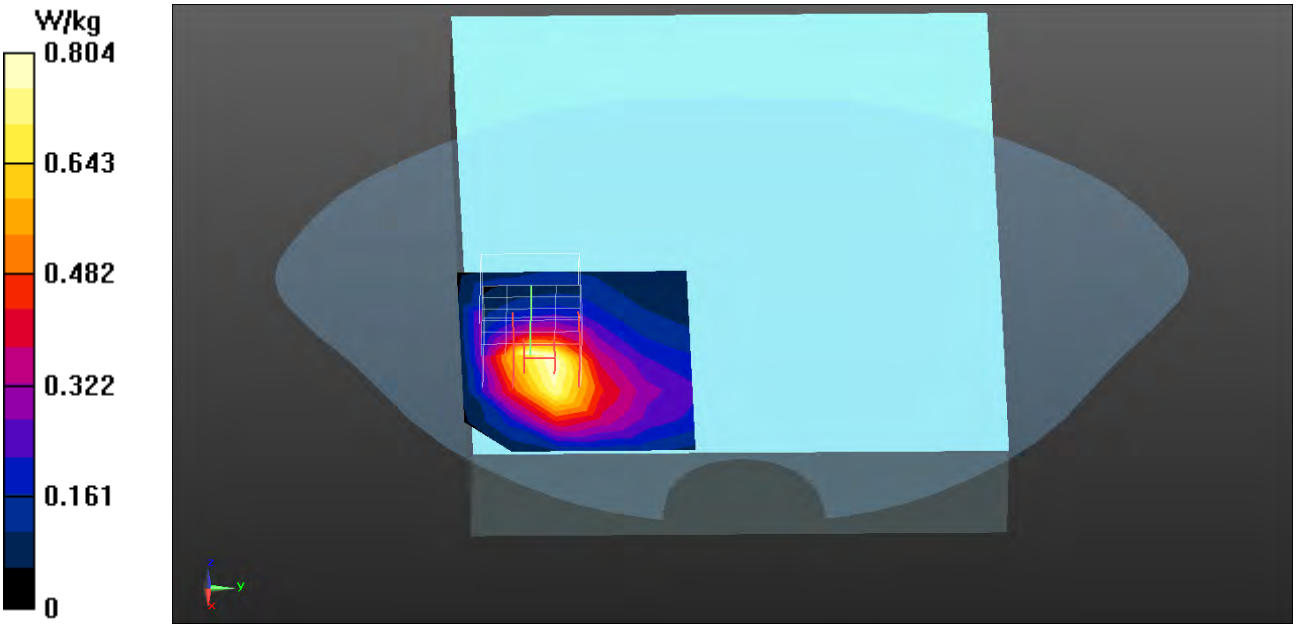
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC0_1013-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 824.7 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 824.7 MHz; σ = 1 S/m; ε_r = 56.28; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.804 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.967 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.463 W/kg
Maximum value of SAR (measured) = 0.857 W/kg



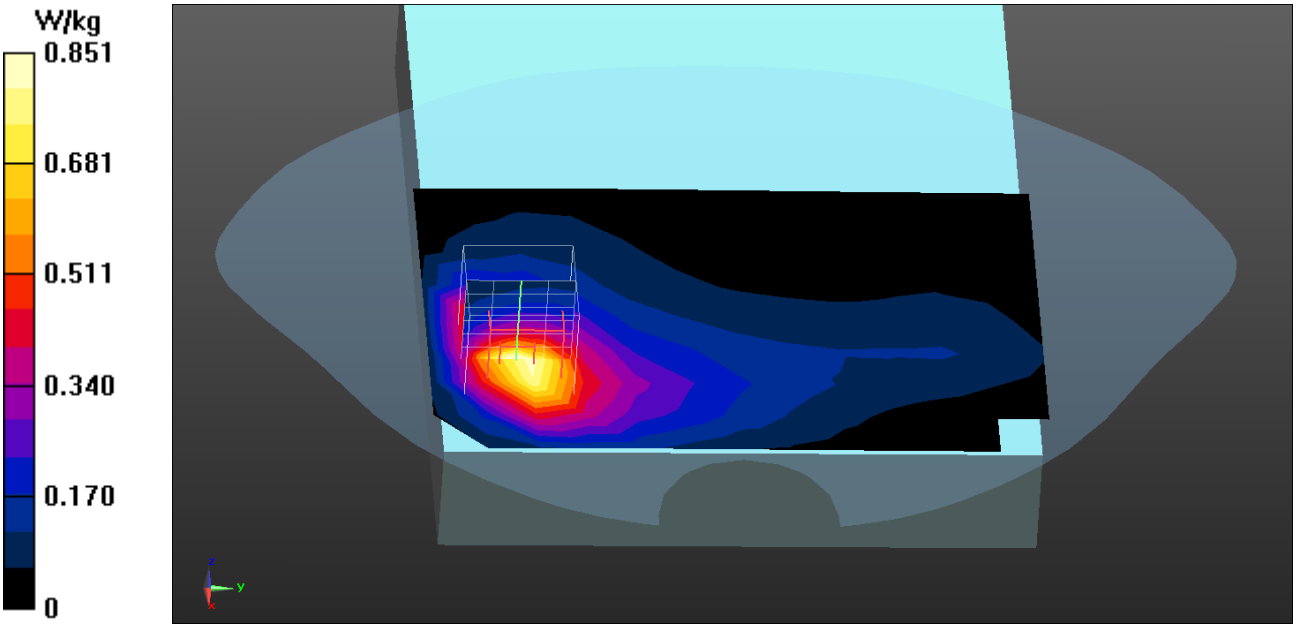
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC0_384-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 836.52 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.52 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.851 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.506 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.487 W/kg
Maximum value of SAR (measured) = 0.938 W/kg



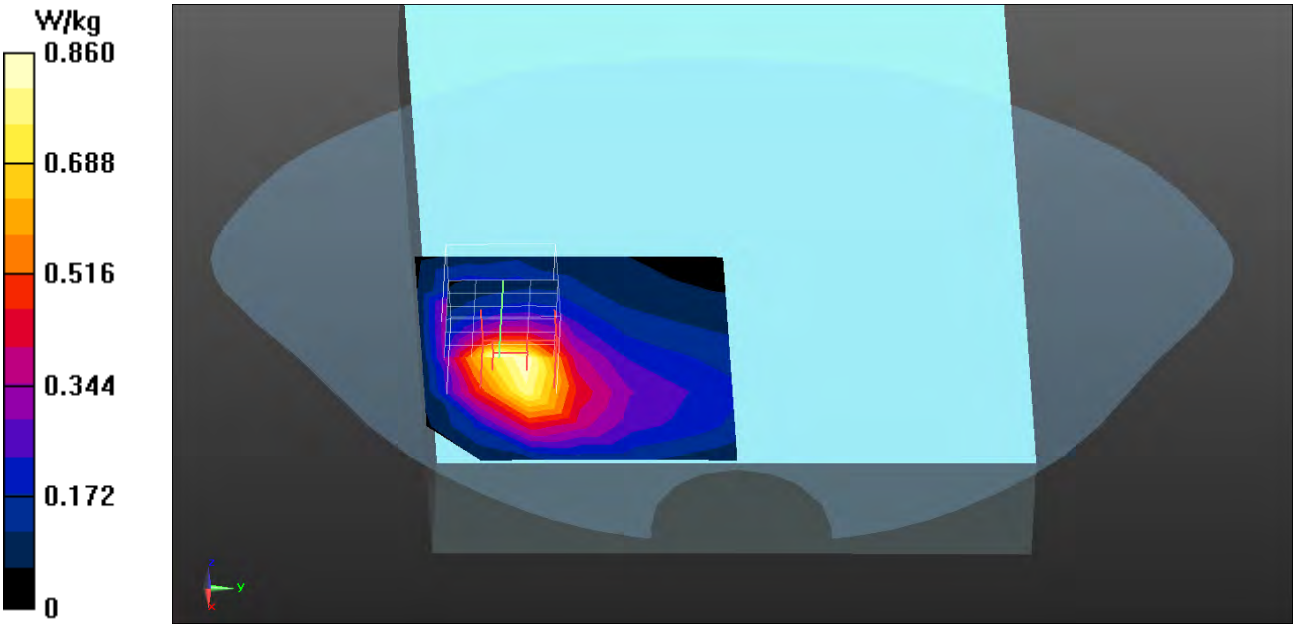
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC0_777-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 848.31 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 848.31 MHz; σ = 1.02 S/m; ε_r = 56.06; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.860 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.641 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.488 W/kg
Maximum value of SAR (measured) = 0.937 W/kg



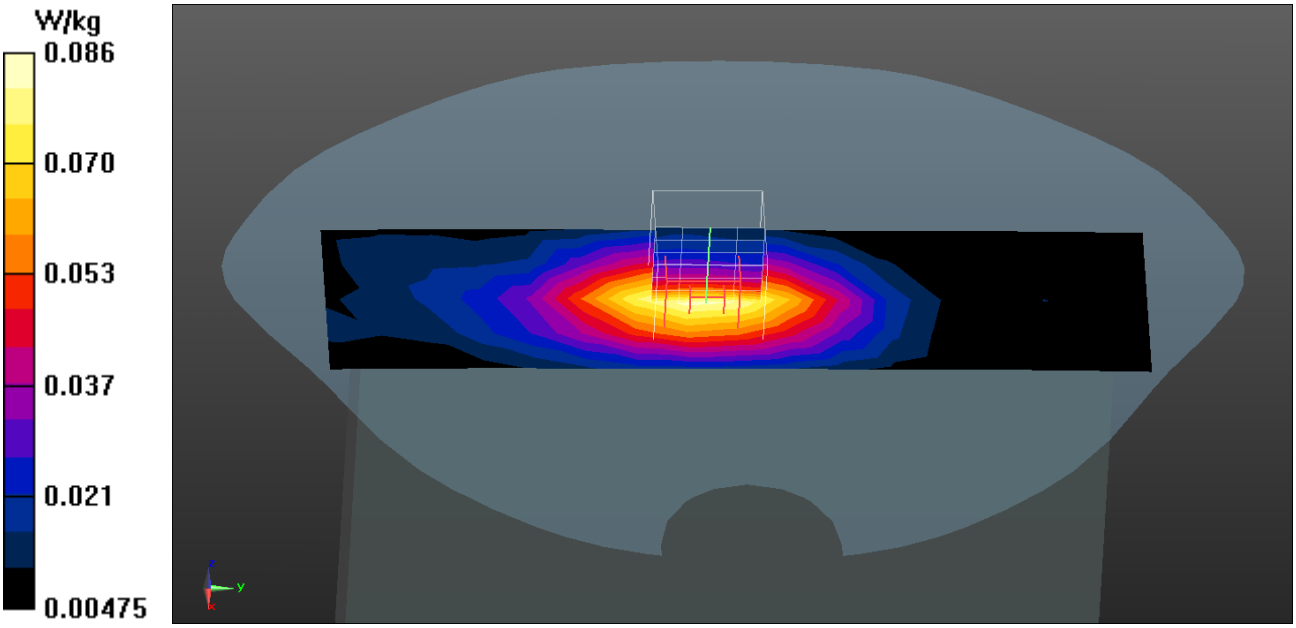
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC0_384-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 836.52 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.52 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0859 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.983 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.0850 W/kg



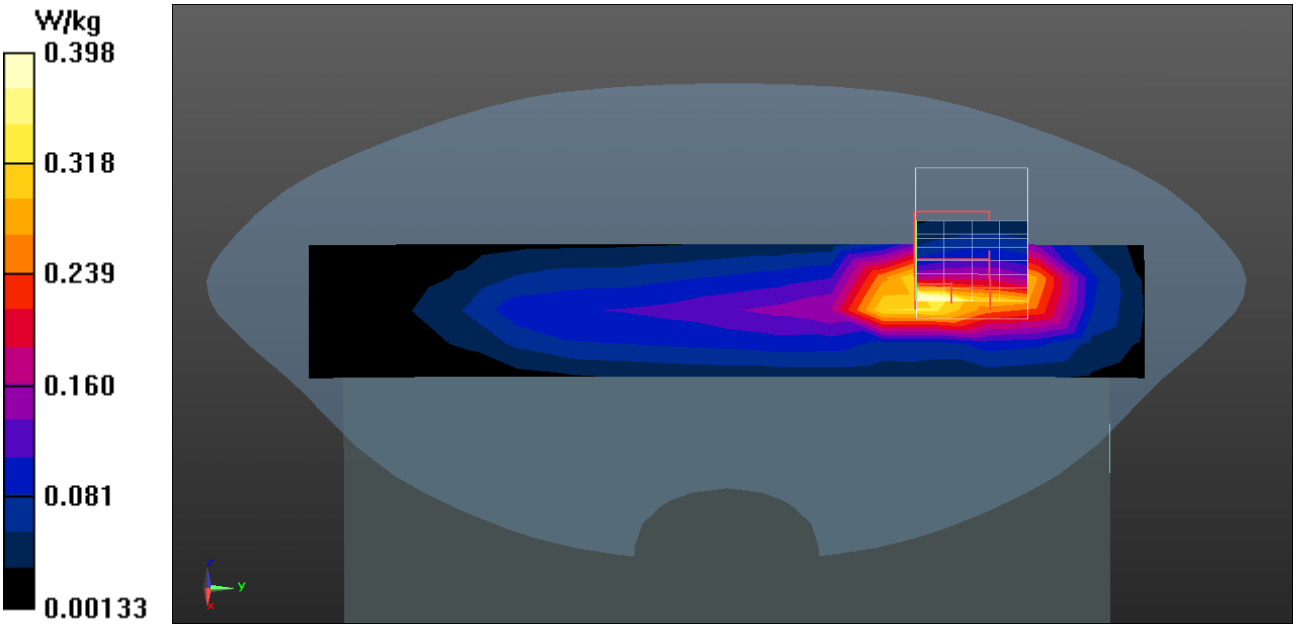
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC0_384-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 836.52 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.52 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.398 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.45 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.910 W/kg
SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.225 W/kg
Maximum value of SAR (measured) = 0.525 W/kg



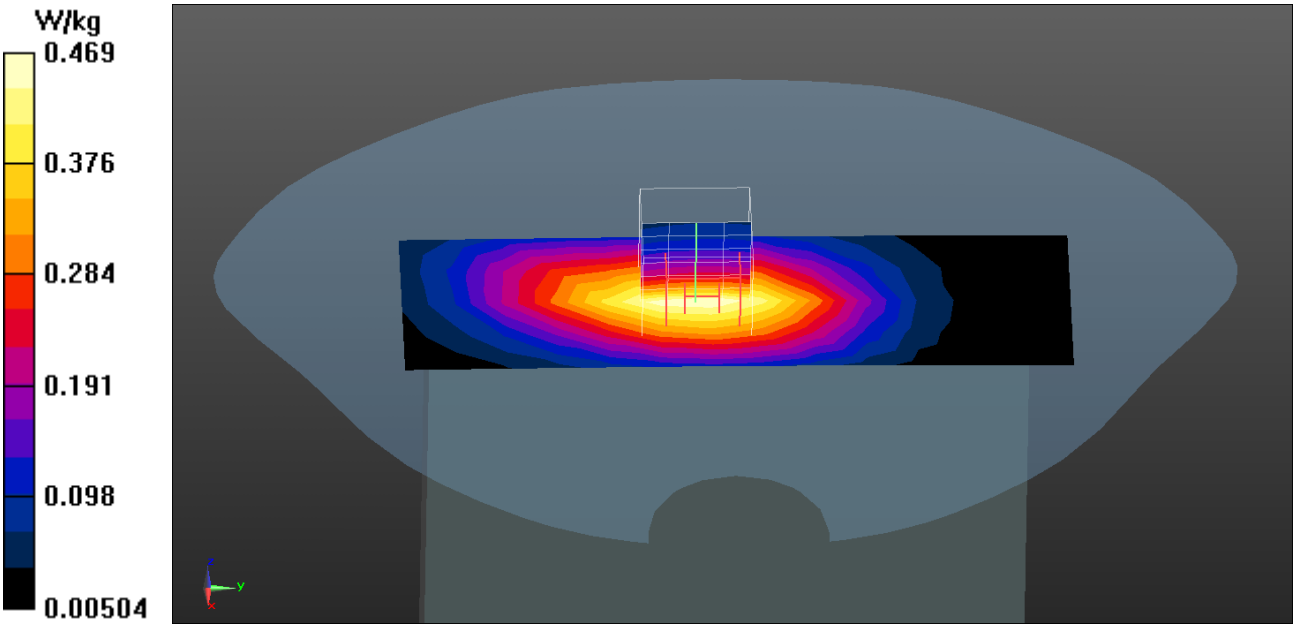
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC0_384-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 836.52 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.52 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

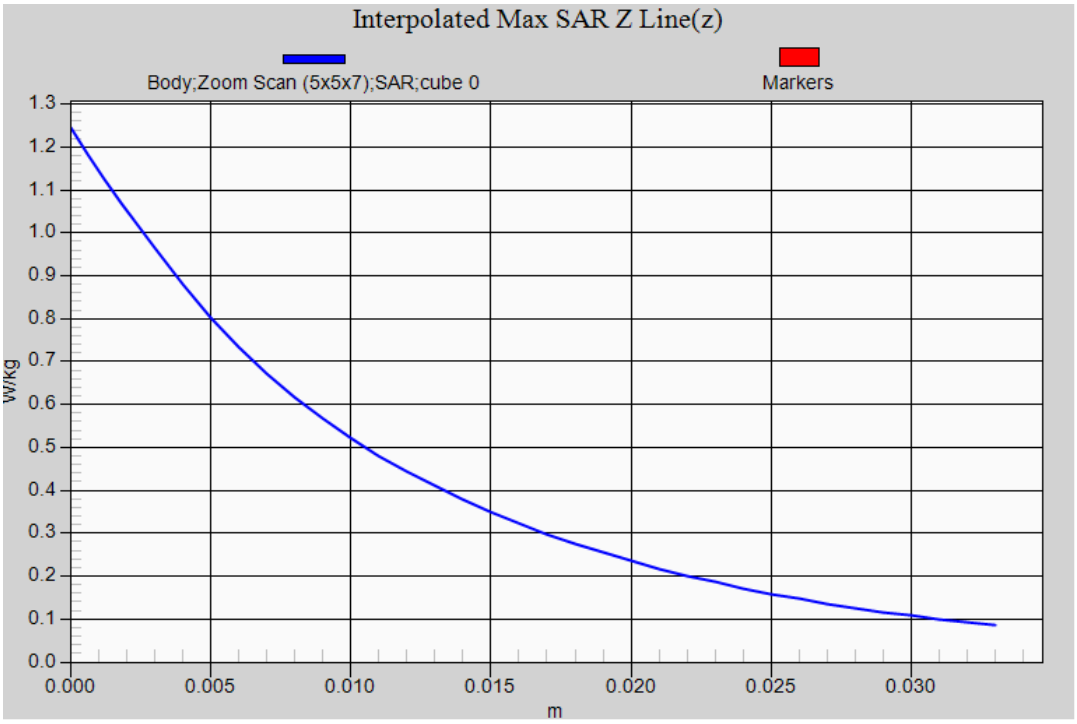
- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.469 W/kg

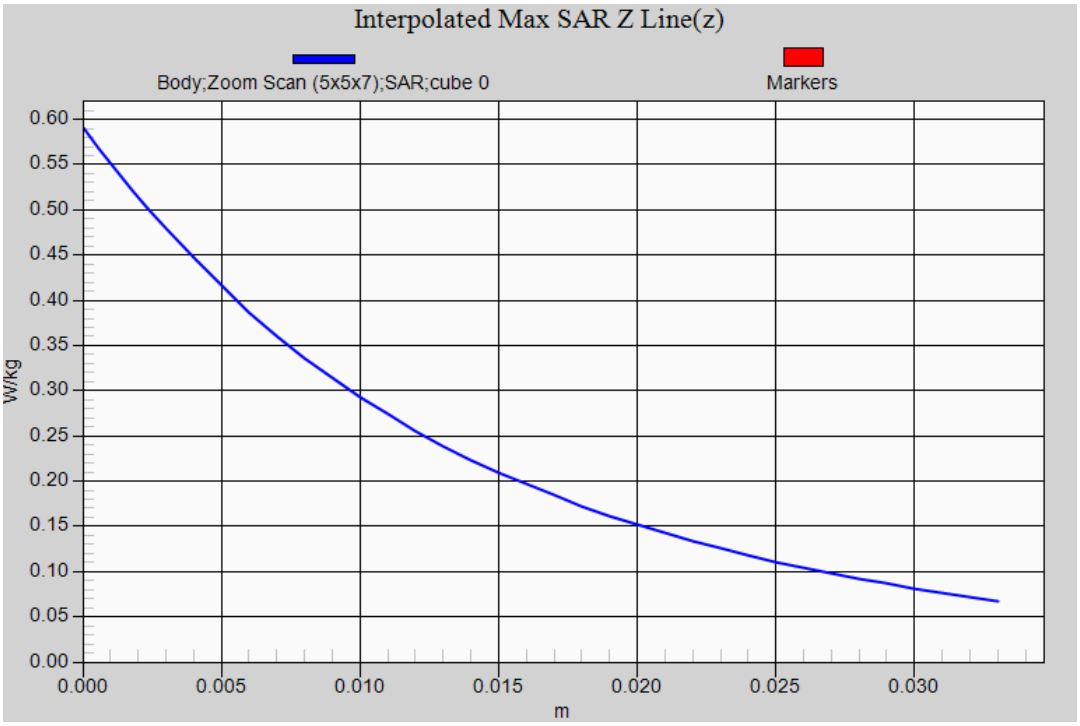
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.91 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.287 W/kg
Maximum value of SAR (measured) = 0.477 W/kg



CDMA BC0 (Body SAR) EUT Back (0mm (Pwr OFF)) Z-Axis plot
Channel: 777



CDMA BC0 (Limbs SAR) EUT Right-side (0mm (Pwr OFF)) Z-Axis plot
Channel: 384



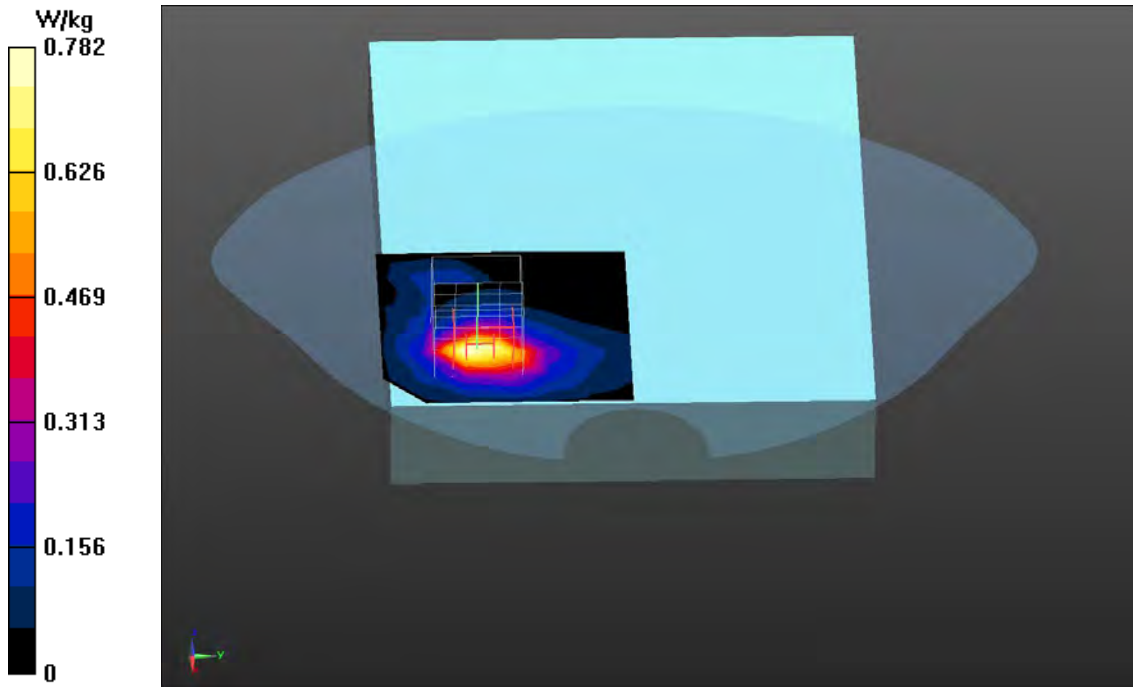
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_25-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1851.25 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1851.25 MHz; σ = 1.53 S/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.782 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.739 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.382 W/kg
Maximum value of SAR (measured) = 0.926 W/kg



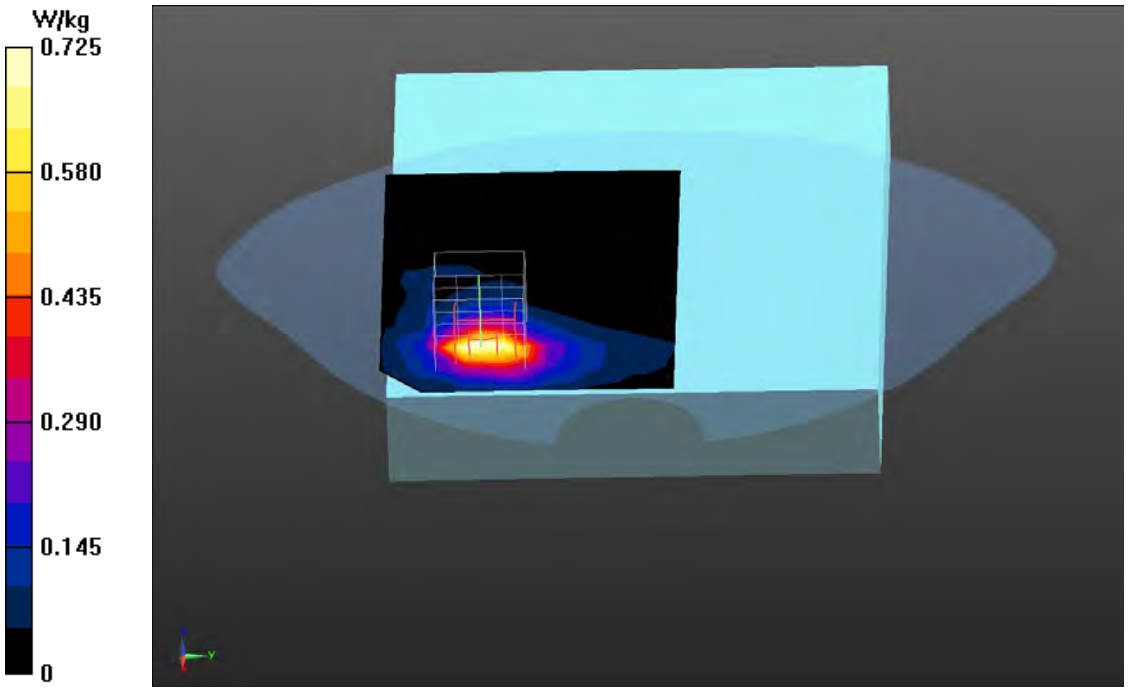
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_600-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.725 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.381 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.372 W/kg
Maximum value of SAR (measured) = 0.898 W/kg



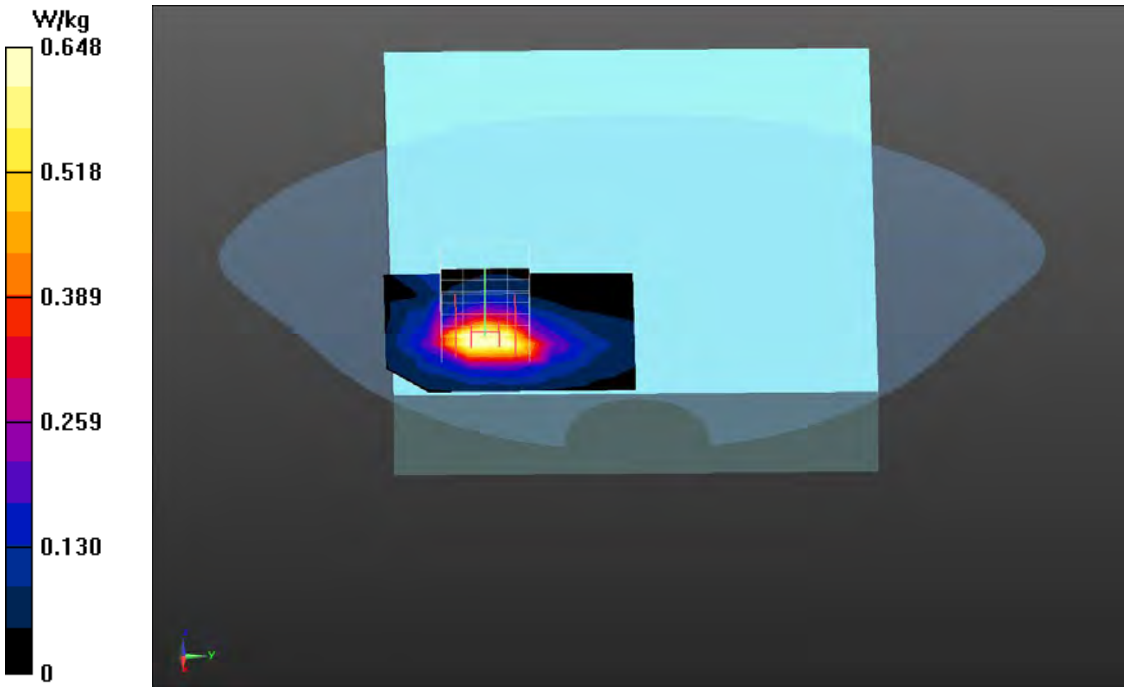
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_1175-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1908.75 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1908.75 MHz; σ = 1.58 S/m; ε_r = 54.31; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.648 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.580 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.340 W/kg
Maximum value of SAR (measured) = 0.837 W/kg



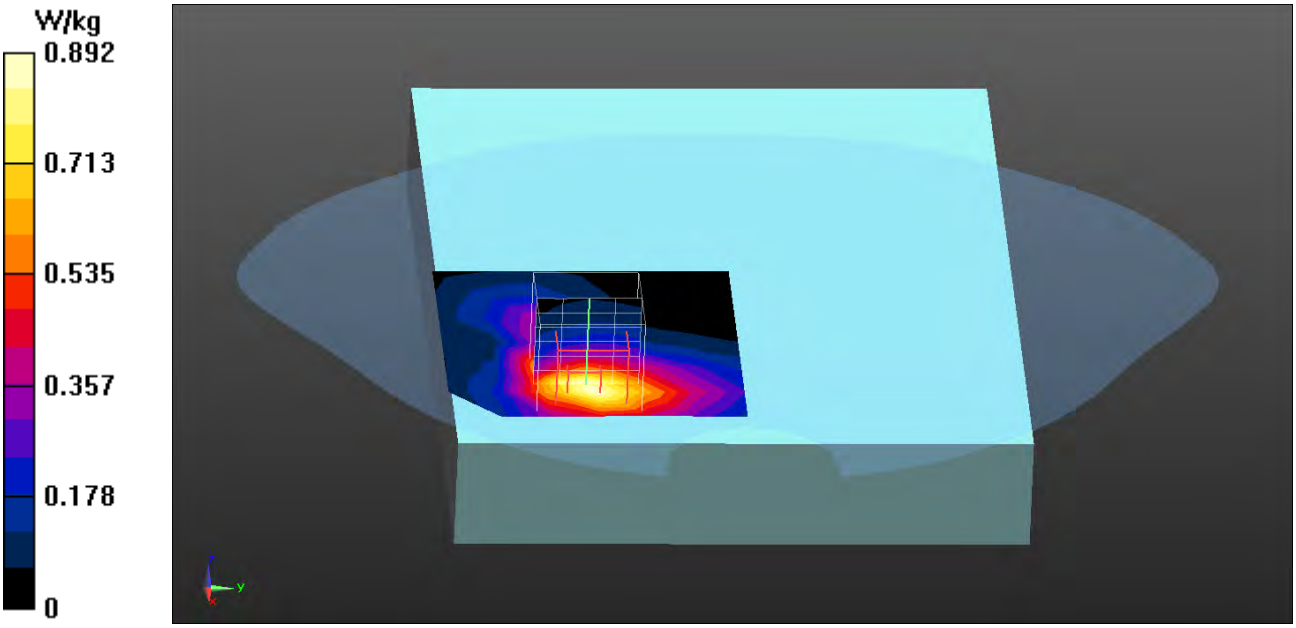
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_25-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1851.25 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1851.25 MHz; σ = 1.53 S/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.892 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.459 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.461 W/kg
Maximum value of SAR (measured) = 0.935 W/kg



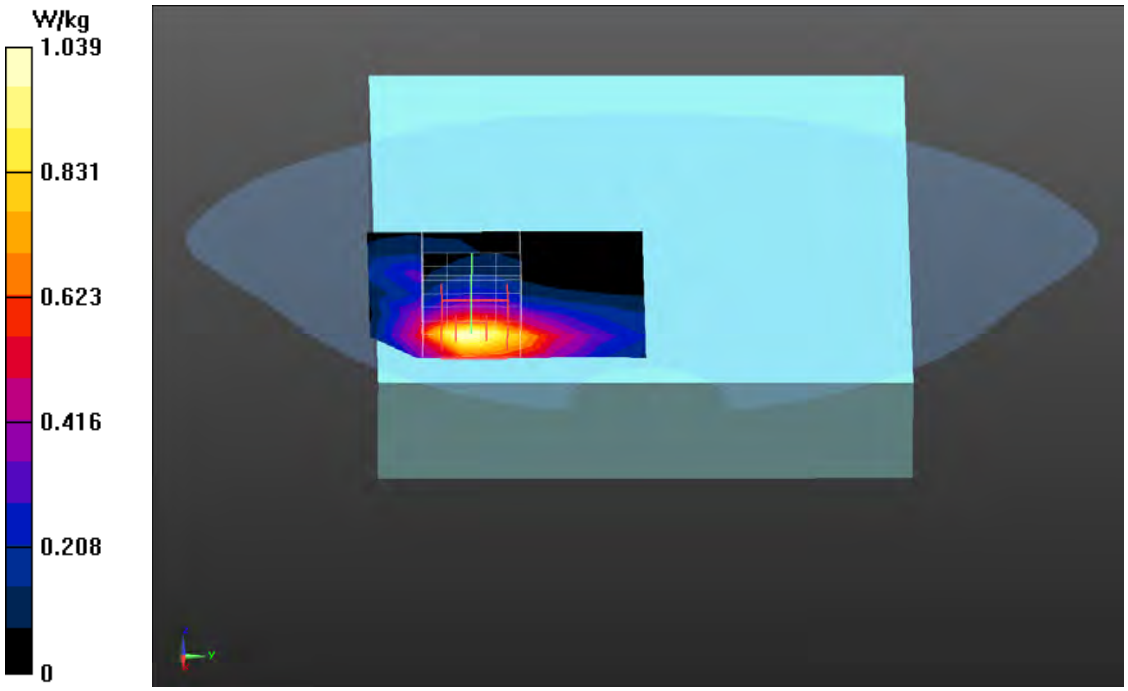
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_600-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.04 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.753 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.524 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



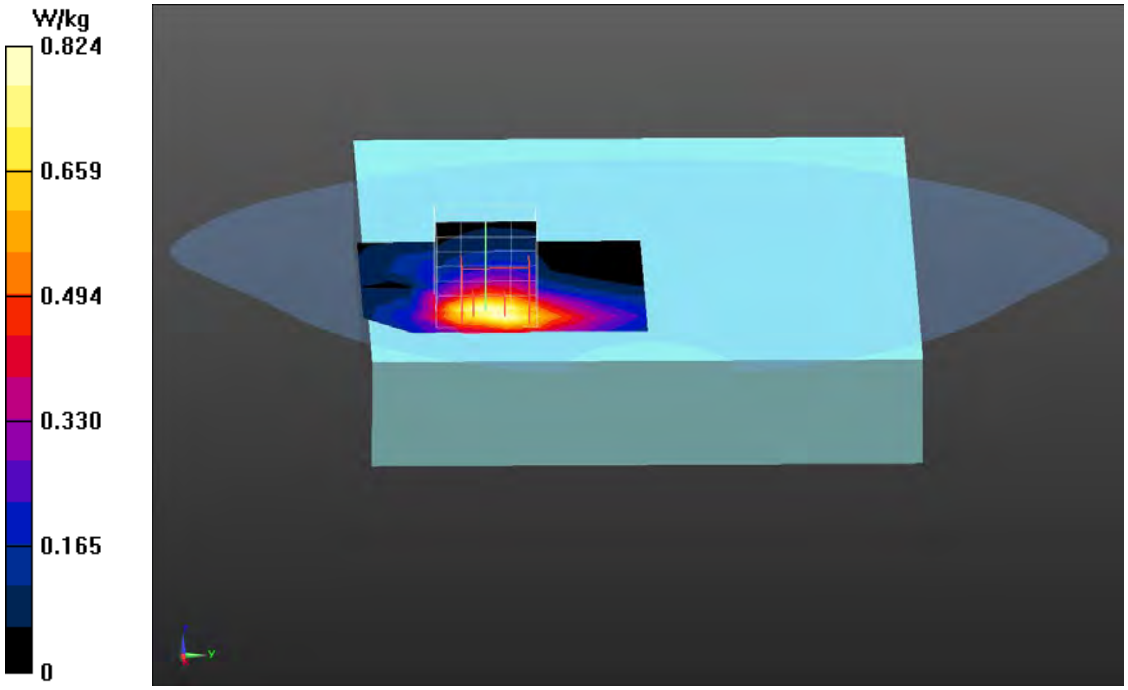
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_1175-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1908.75 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1908.75 MHz; σ = 1.58 S/m; ε_r = 54.31; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.824 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.774 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.424 W/kg
Maximum value of SAR (measured) = 0.873 W/kg



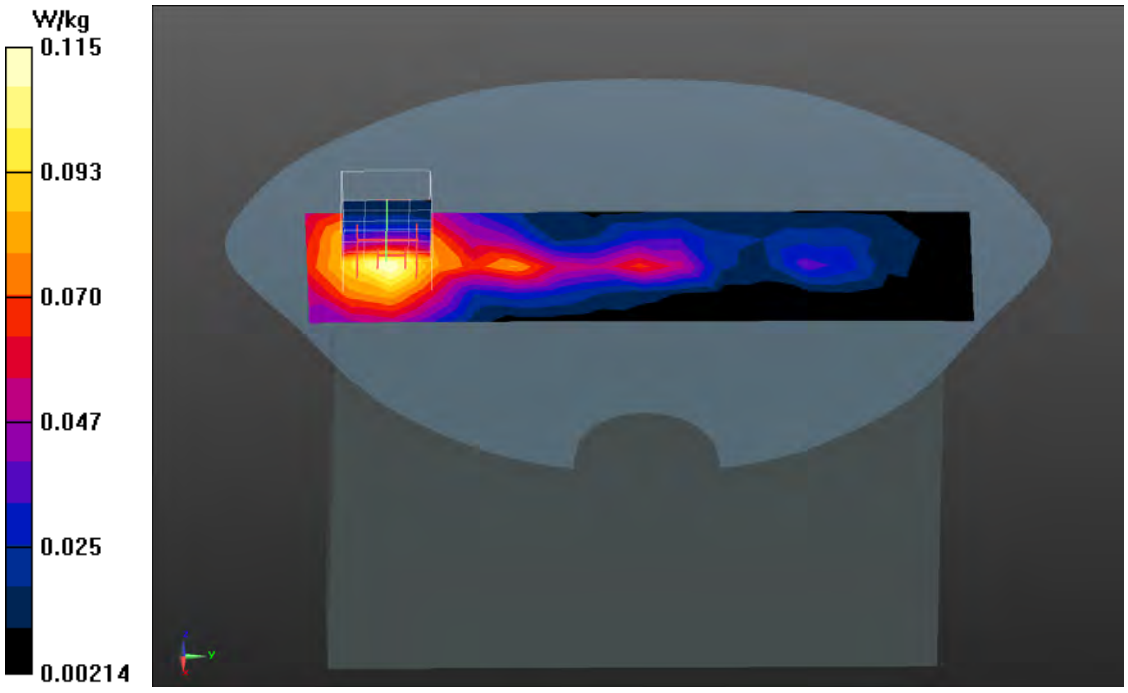
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_600-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.115 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.602 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.13 W/kg



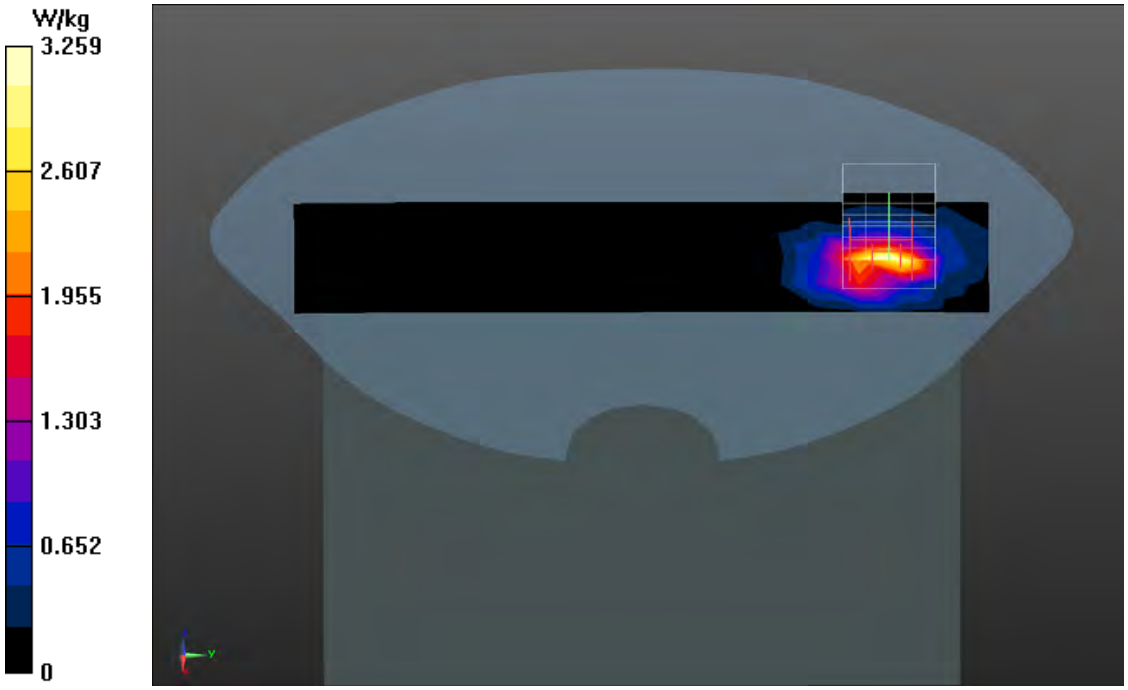
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_600-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.26 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.377 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 5.50 W/kg
SAR(1 g) = 2.83 W/kg; SAR(10 g) = 1.37 W/kg
Maximum value of SAR (measured) = 3.67 W/kg



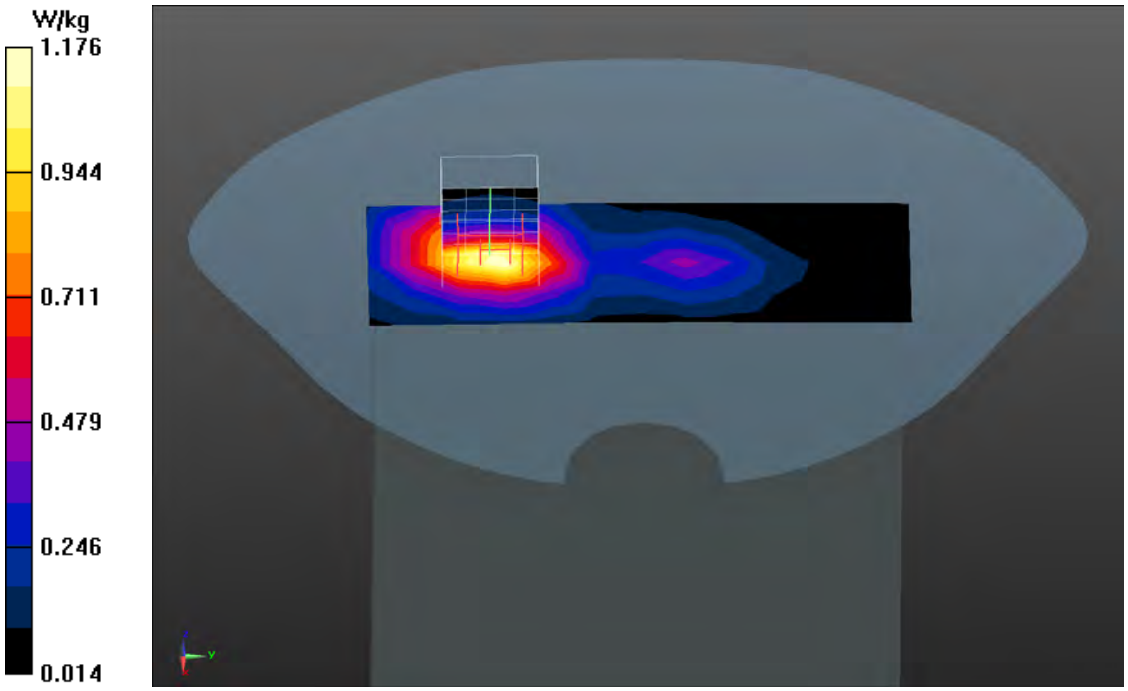
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_600-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

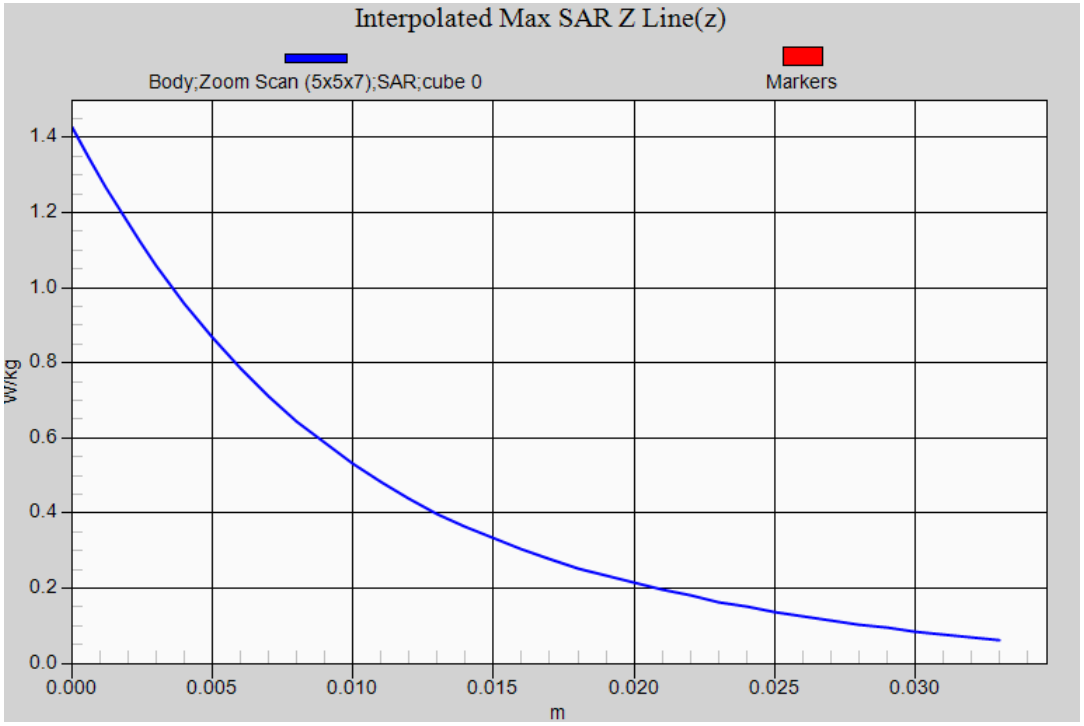
- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.18 W/kg

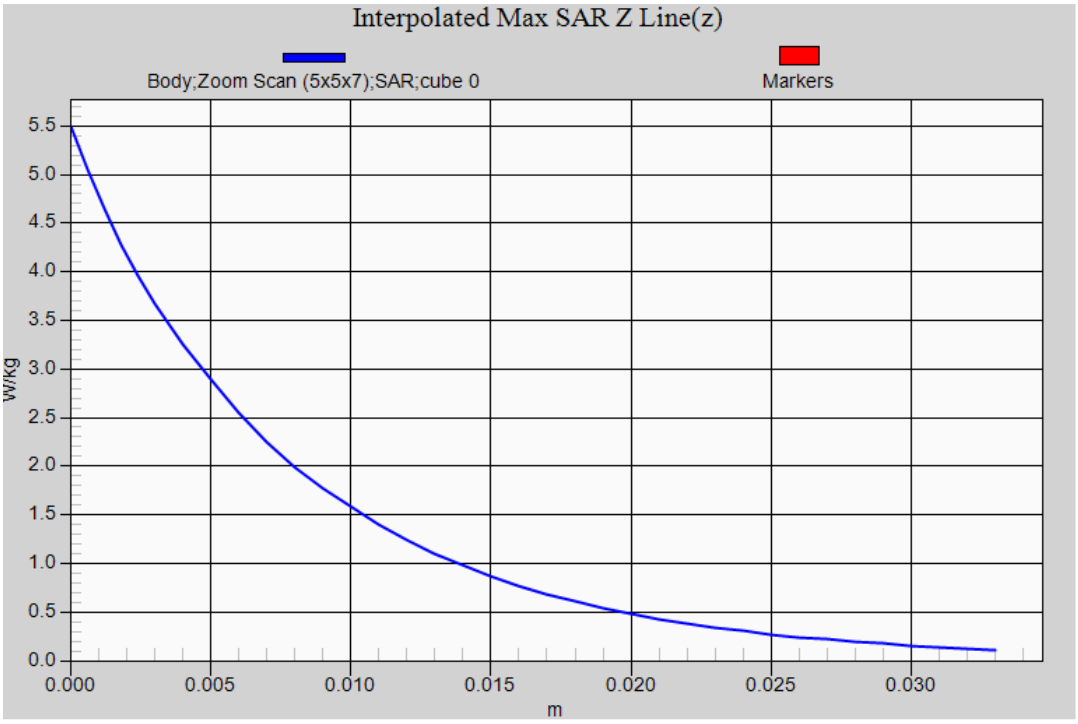
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.78 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.612 W/kg
Maximum value of SAR (measured) = 1.21 W/kg



CDMA BC1 (Body SAR) EUT Back (6mm (Pwr OFF)) Z-Axis plot
Channel: 600



CDMA BC1 (Limbs SAR) EUT Top (0mm (Pwr OFF)) Z-Axis plot
Channel: 600



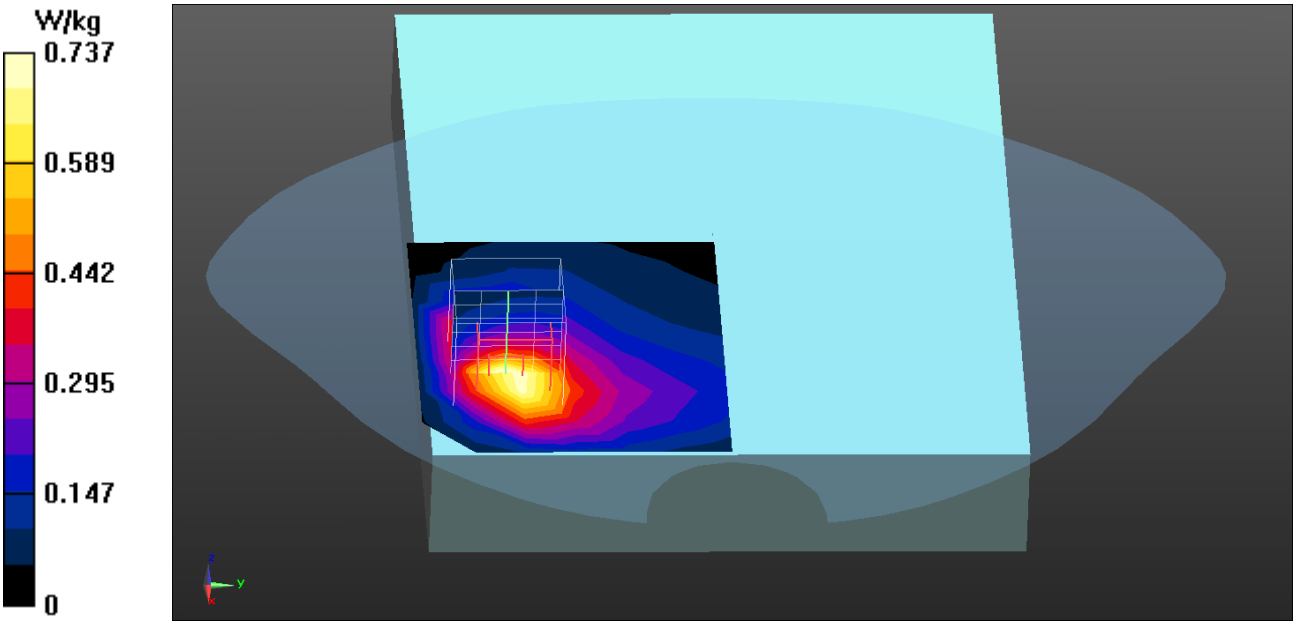
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC10_476-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-800MHz; Frequency: 817.95 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 817.95 MHz; σ = 0.99 S/m; ε_r = 56.49; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (8x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.737 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.747 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.427 W/kg
Maximum value of SAR (measured) = 0.807 W/kg



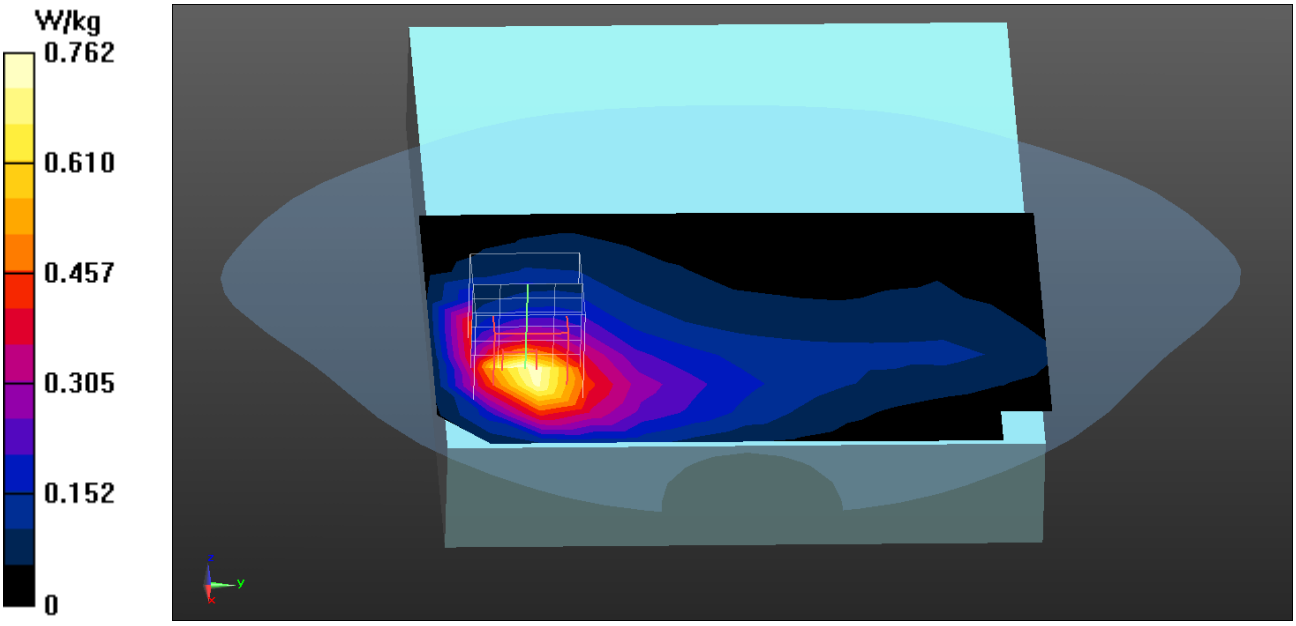
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC10_580-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-800MHz; Frequency: 820.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 820.5 MHz; σ = 0.99 S/m; ε_r = 56.41; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.762 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.722 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.436 W/kg
Maximum value of SAR (measured) = 0.819 W/kg



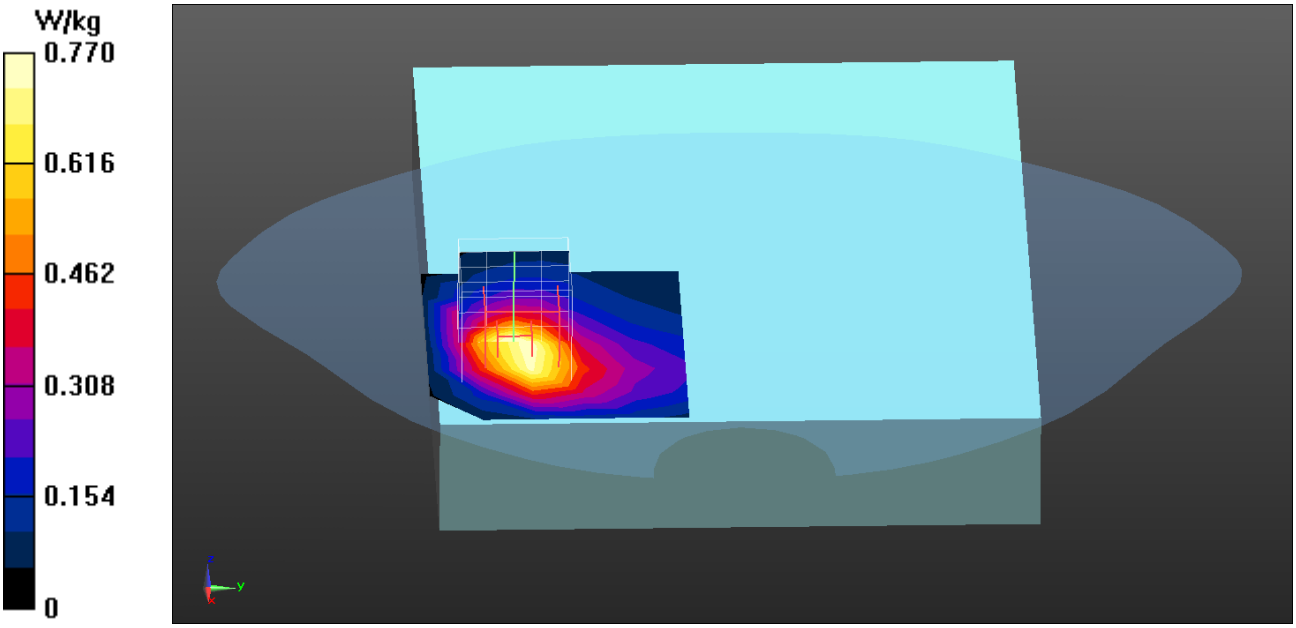
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC10_670-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-800MHz; Frequency: 822.75 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 822.75 MHz; σ = 1 S/m; ε_r = 56.31; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.770 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.602 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.443 W/kg
Maximum value of SAR (measured) = 0.841 W/kg



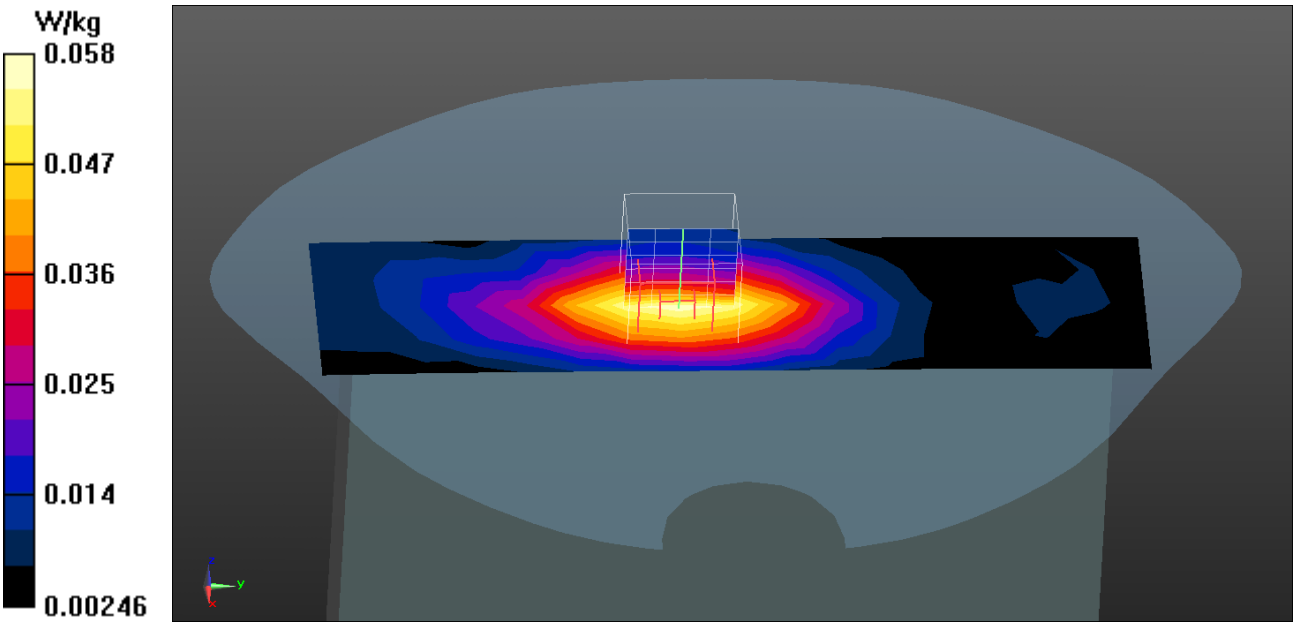
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC10_580-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-800MHz; Frequency: 820.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 820.5 MHz; σ = 0.99 S/m; ε_r = 56.41; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0585 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.420 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.0780 W/kg
SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.036 W/kg
Maximum value of SAR (measured) = 0.0601 W/kg



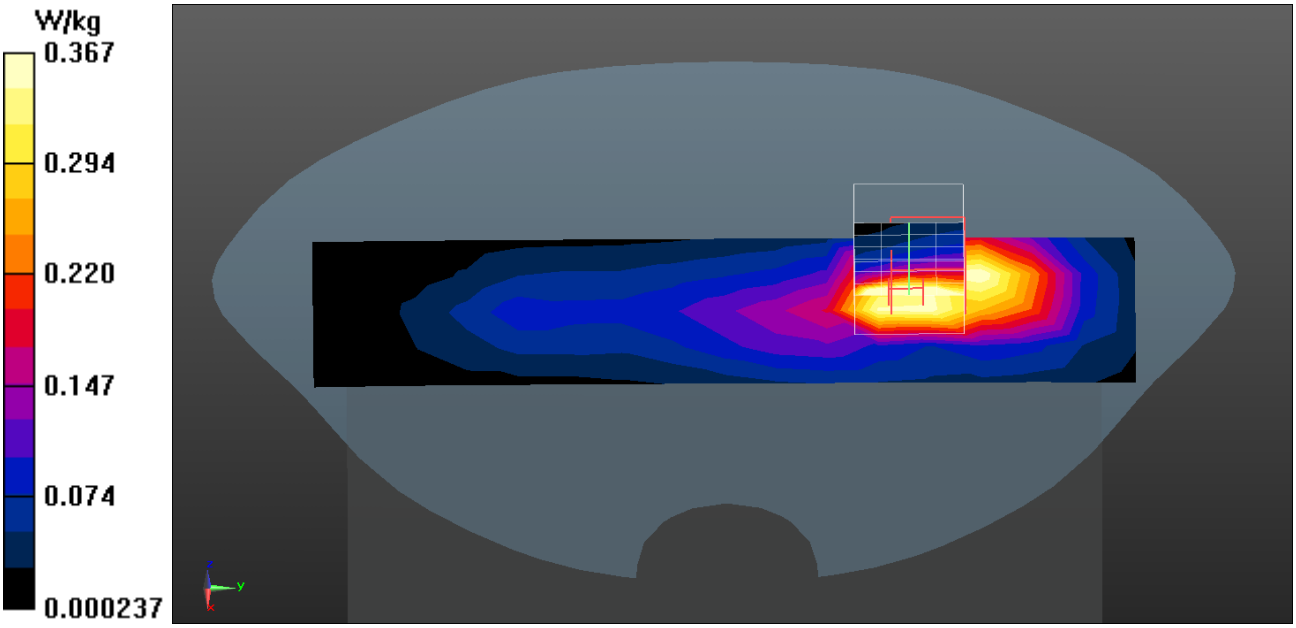
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC10_580-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-800MHz; Frequency: 820.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 820.5 MHz; σ = 0.99 S/m; ε_r = 56.41; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.367 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.90 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.954 W/kg
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.224 W/kg
Maximum value of SAR (measured) = 0.582 W/kg



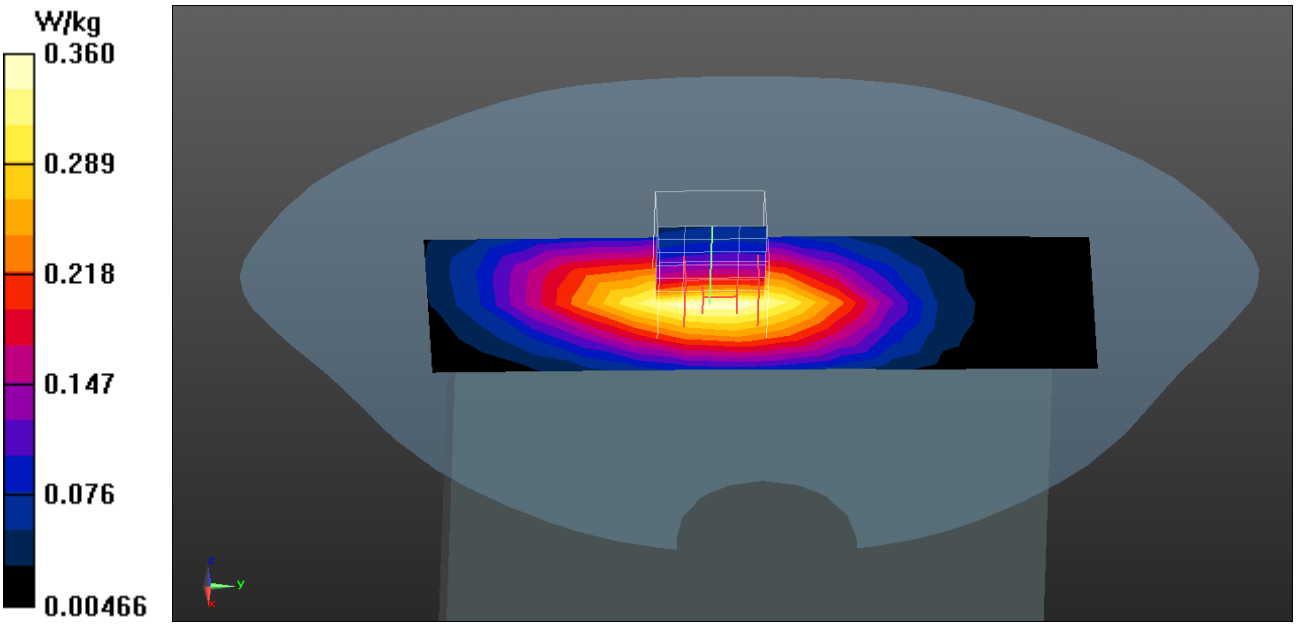
Test Laboratory: DEKRA Date/Time: 2018/07/16

CDMA_BC10_580-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-800MHz; Frequency: 820.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 820.5 MHz; σ = 0.99 S/m; ε_r = 56.41; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

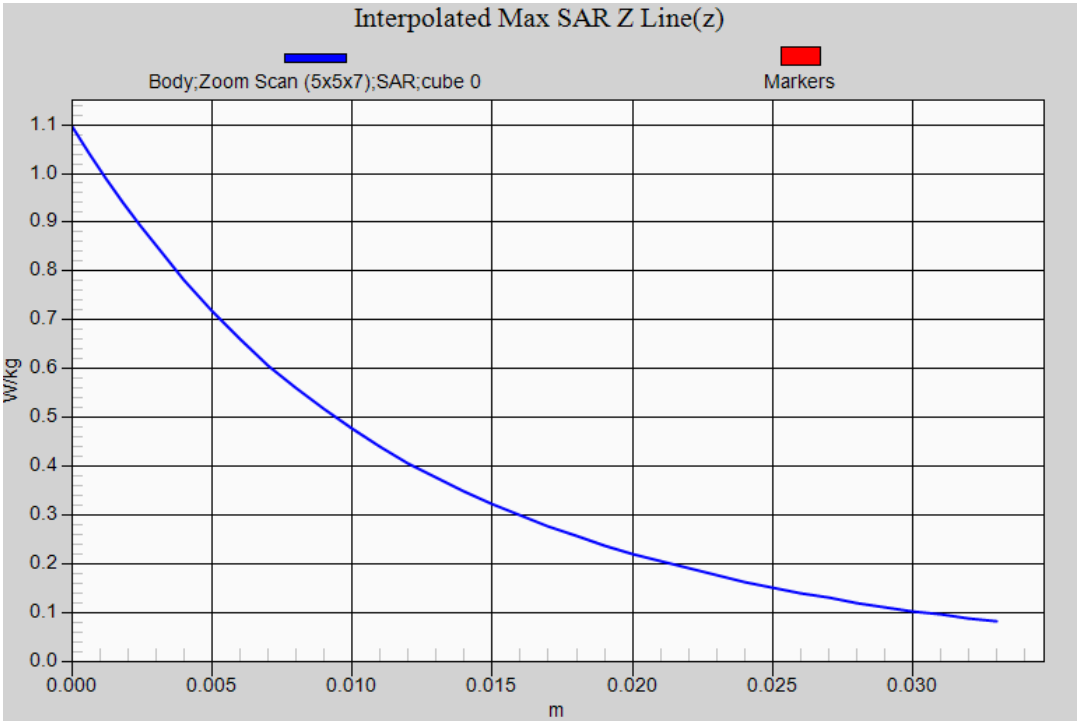
- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.360 W/kg

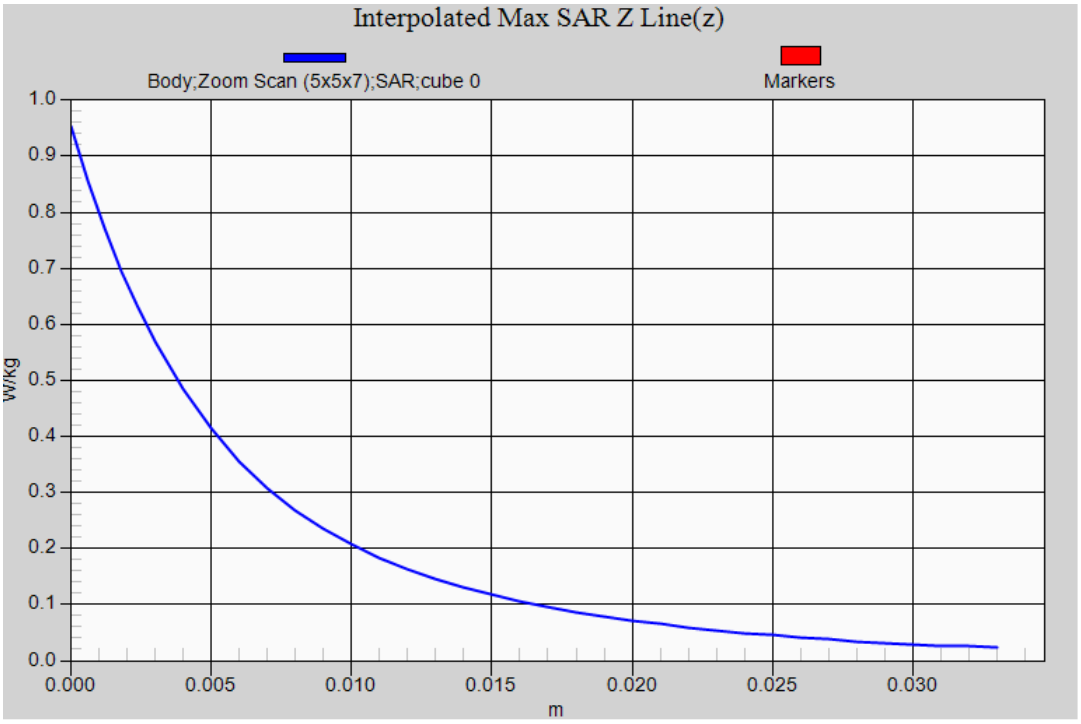
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.98 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.218 W/kg
Maximum value of SAR (measured) = 0.363 W/kg



CDMA BC10 (Body SAR) EUT Back (0mm (Pwr OFF)) Z-Axis plot
Channel: 670



CDMA BC10 (Limbs SAR) EUT Top (0mm (Pwr OFF)) Z-Axis plot
Channel: 580



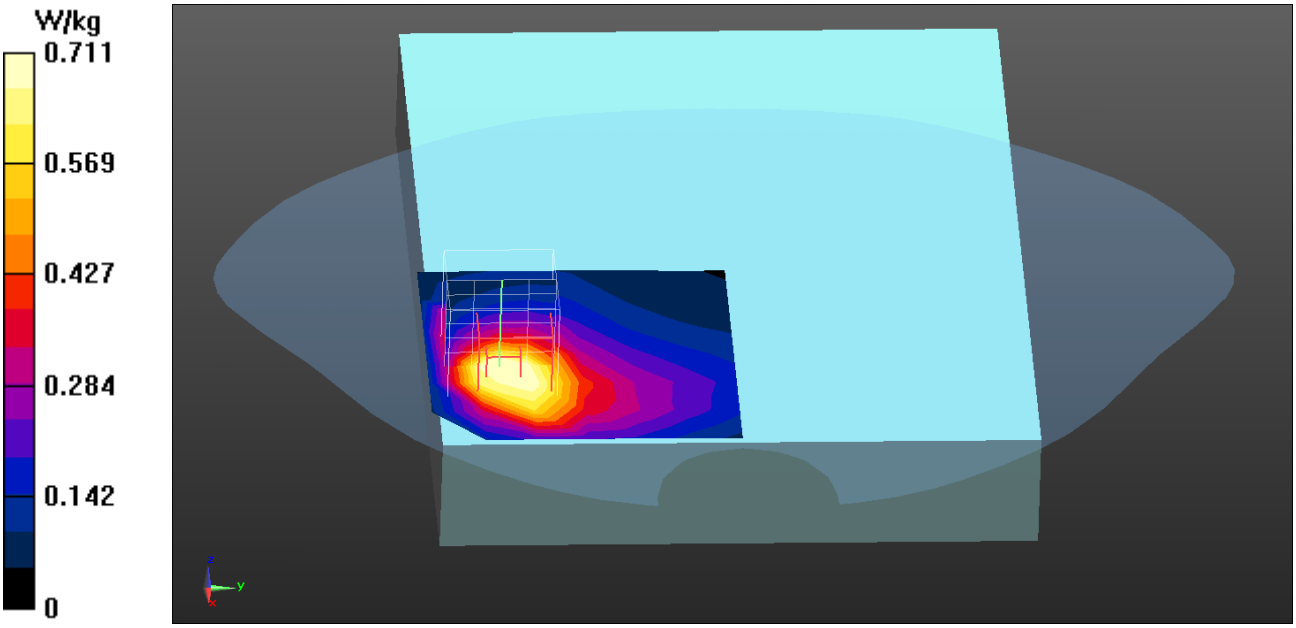
Test Laboratory: DEKRA Date/Time: 2018/07/16

1xEVDO_BC0_1013-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 824.7 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 824.7 MHz; σ = 1 S/m; ε_r = 56.28; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.711 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.452 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.447 W/kg
Maximum value of SAR (measured) = 0.866 W/kg



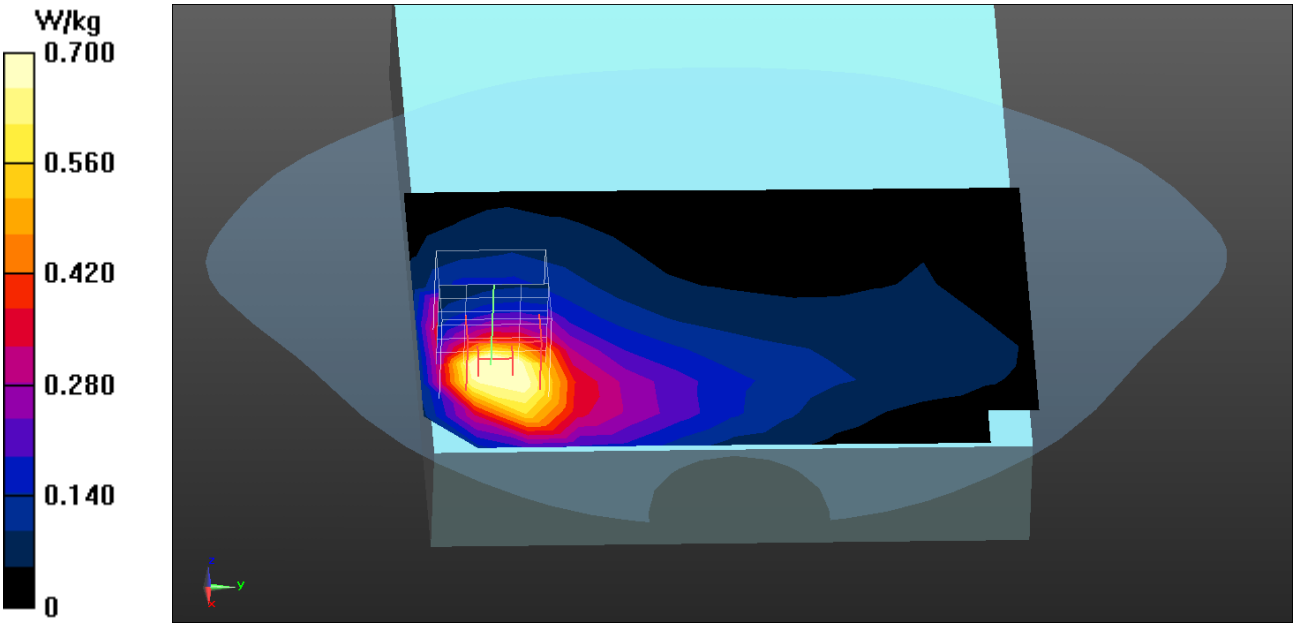
Test Laboratory: DEKRA Date/Time: 2018/07/16

1xEVDO_BC0_384-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 836.52 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.52 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.700 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.931 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.460 W/kg
Maximum value of SAR (measured) = 0.906 W/kg



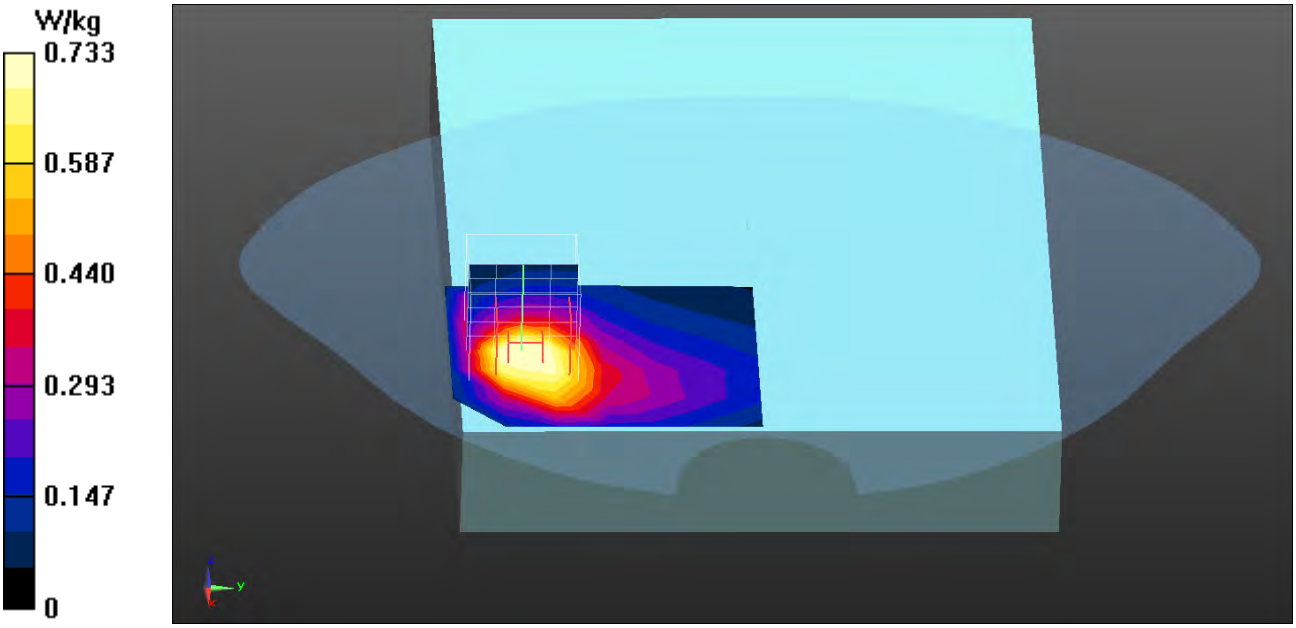
Test Laboratory: DEKRA Date/Time: 2018/07/16

1xEVDO_BC0_777-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 848.31 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 848.31 MHz; σ = 1.02 S/m; ε_r = 56.06; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.733 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.072 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.474 W/kg
Maximum value of SAR (measured) = 0.916 W/kg



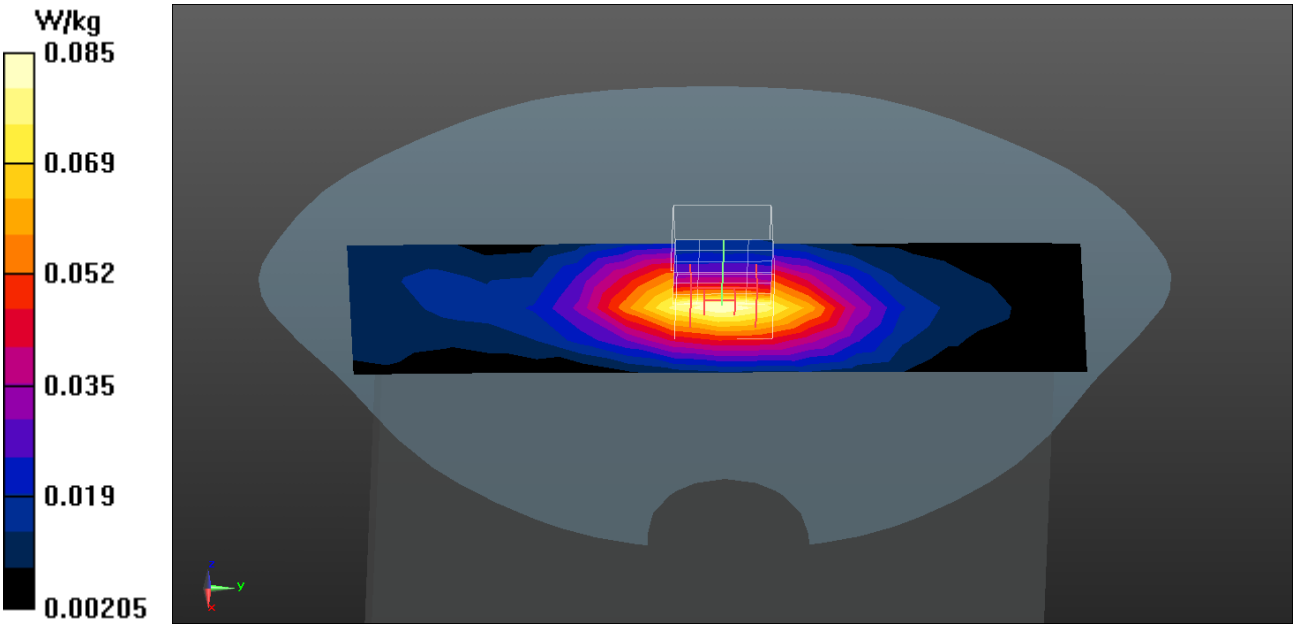
Test Laboratory: DEKRA Date/Time: 2018/07/16

1xEVDO_BC0_384-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 836.52 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.52 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0854 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.993 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.114 W/kg
SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.052 W/kg
Maximum value of SAR (measured) = 0.0886 W/kg



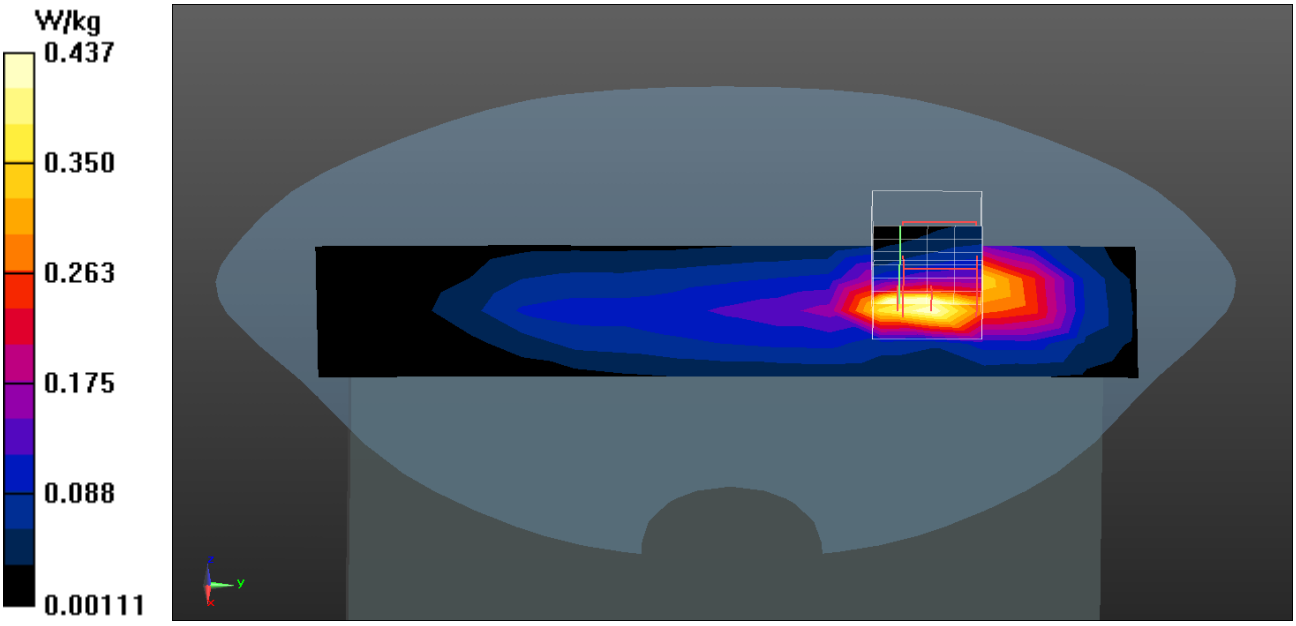
Test Laboratory: DEKRA Date/Time: 2018/07/16

1xEVDO_BC0_384-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 836.52 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.52 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.437 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.29 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.946 W/kg
SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.214 W/kg
Maximum value of SAR (measured) = 0.545 W/kg



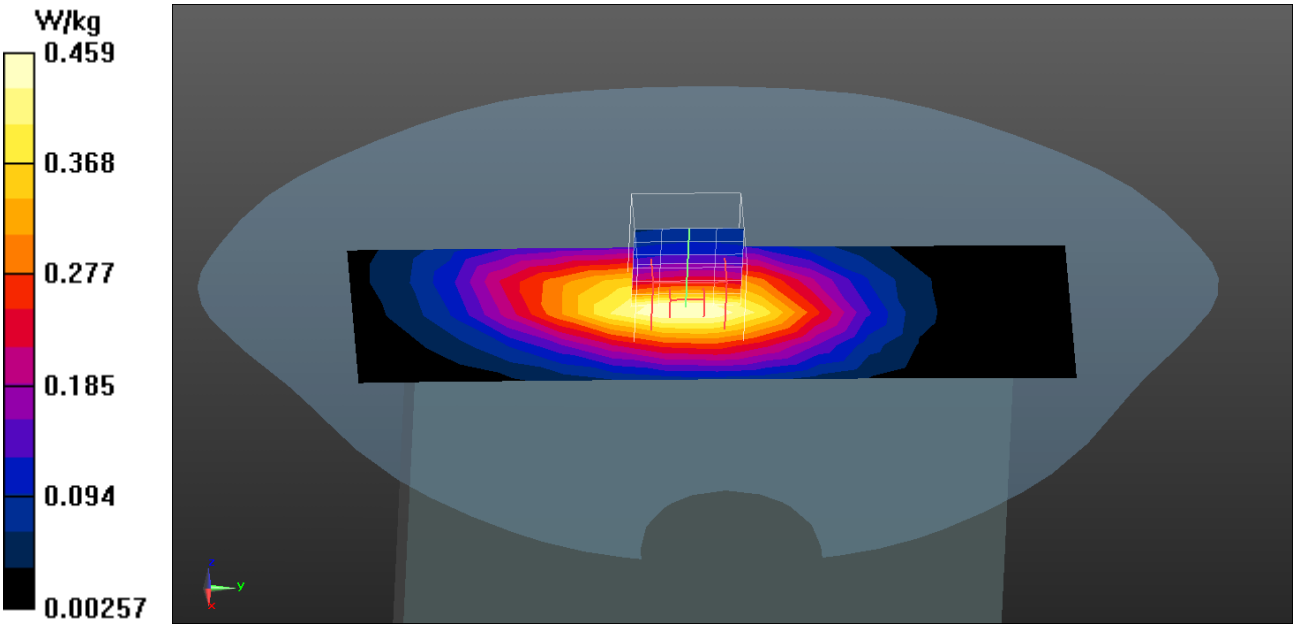
Test Laboratory: DEKRA Date/Time: 2018/07/16

1xEVDO_BC0_384-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA_EVDO-850MHz; Frequency: 836.52 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.52 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

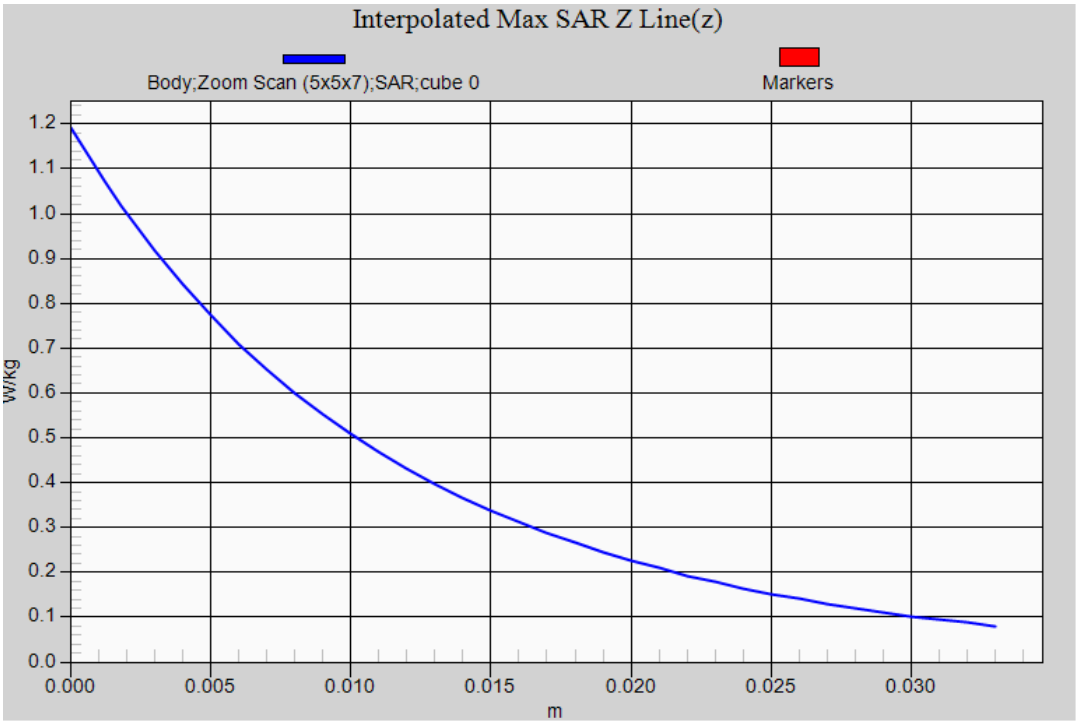
- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.459 W/kg

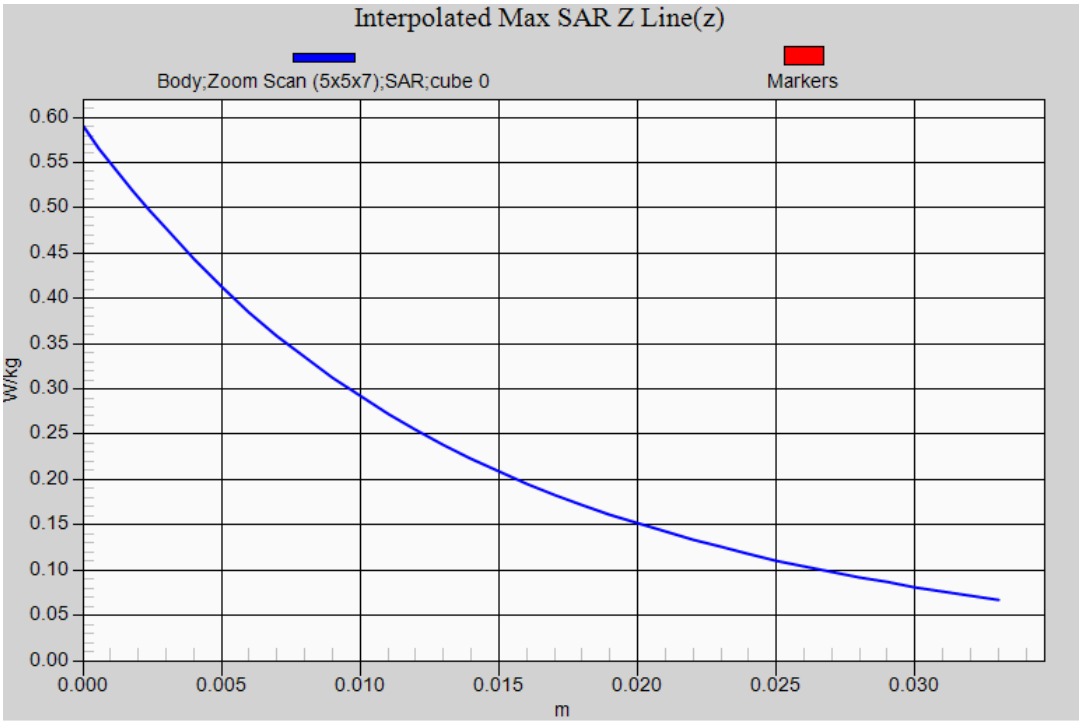
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.54 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.285 W/kg
Maximum value of SAR (measured) = 0.477 W/kg



1xEVDO BC0 (Body SAR) EUT Back (0mm (Pwr OFF)) Z-Axis plot
Channel: 777



1xEVDO BC0 (Limbs SAR) EUT Right-side (0mm (Pwr OFF)) Z-Axis plot
Channel: 384



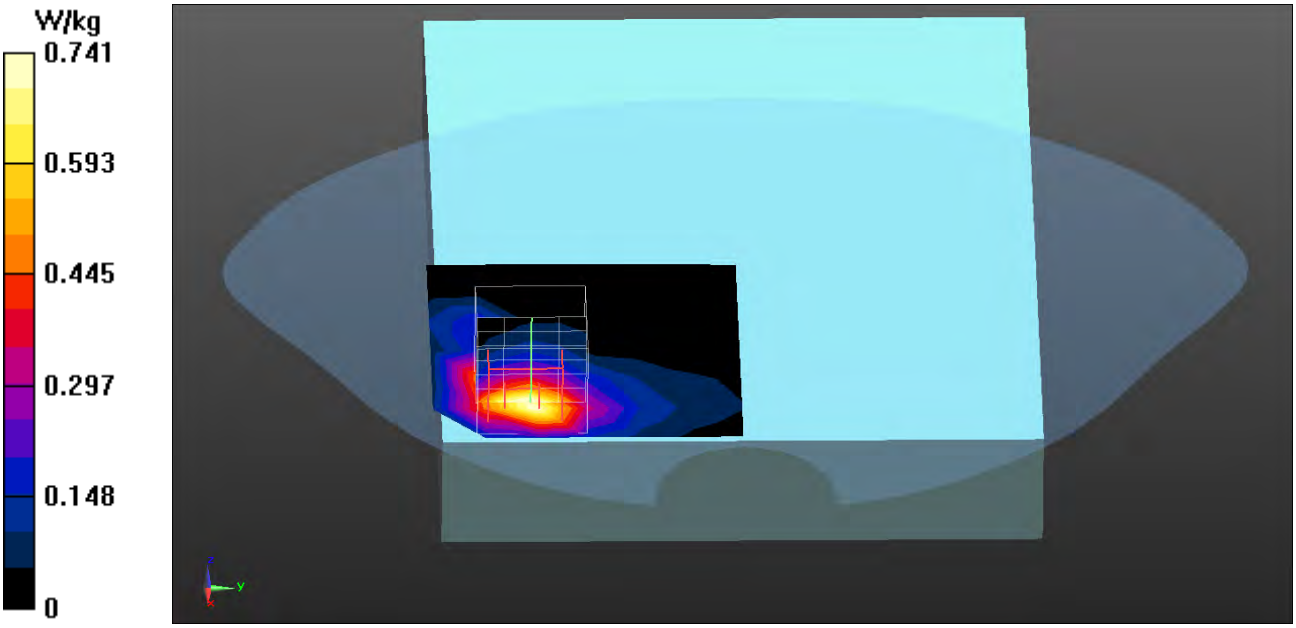
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_25-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1851.25 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1851.25 MHz; σ = 1.53 S/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.741 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.9480 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.666 W/kg; SAR(10 g) = 0.356 W/kg
Maximum value of SAR (measured) = 0.817 W/kg



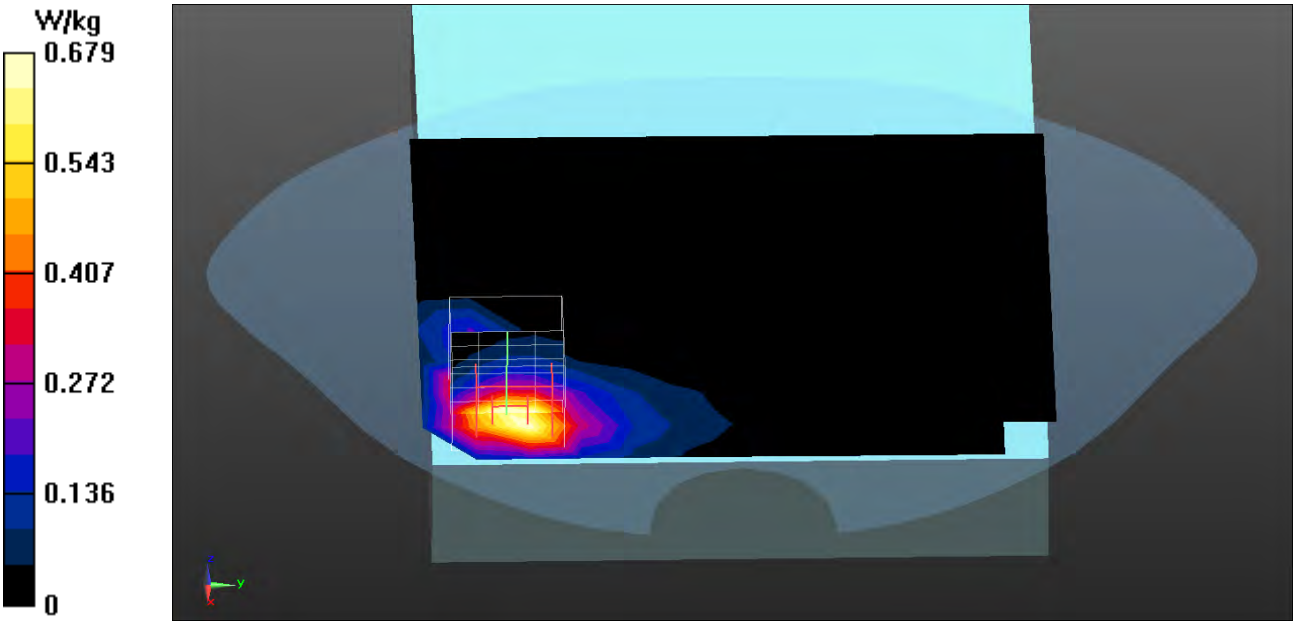
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_600-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.679 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.063 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.351 W/kg
Maximum value of SAR (measured) = 0.827 W/kg



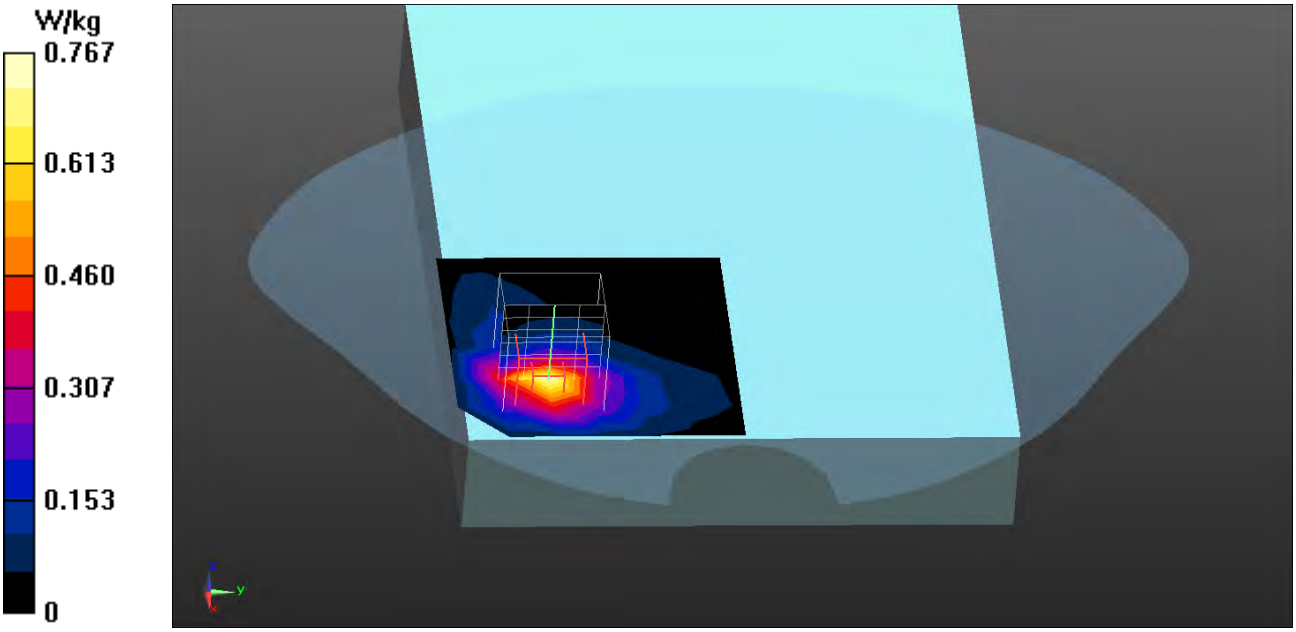
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_1175-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1908.75 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1908.75 MHz; σ = 1.58 S/m; ε_r = 54.31; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.767 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.733 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.326 W/kg
Maximum value of SAR (measured) = 0.792 W/kg



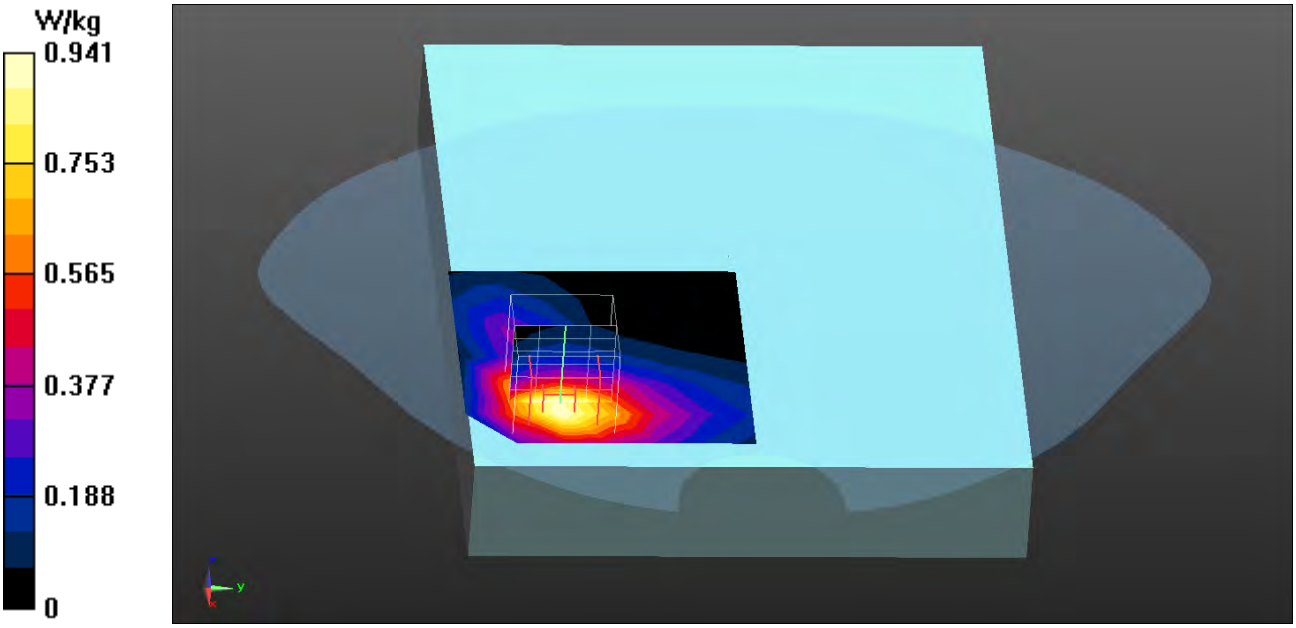
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_25-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1851.25 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1851.25 MHz; σ = 1.53 S/m; ε_r = 54.55; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.941 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.886 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.505 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



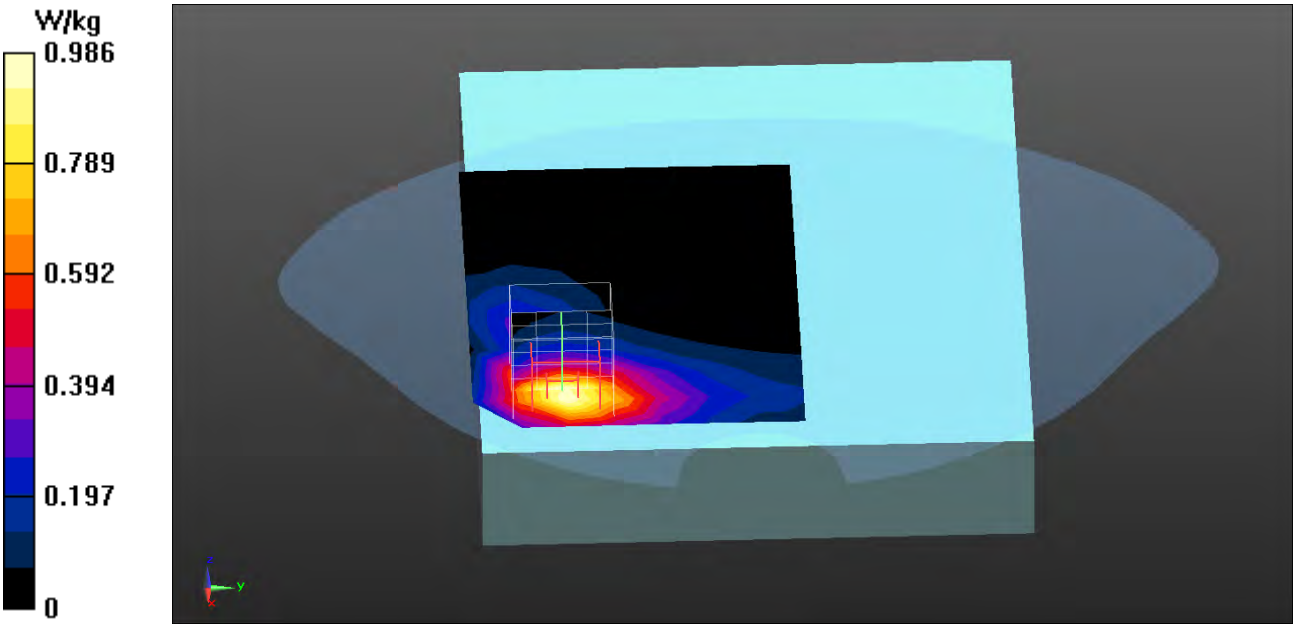
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_600-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.986 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.674 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.525 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



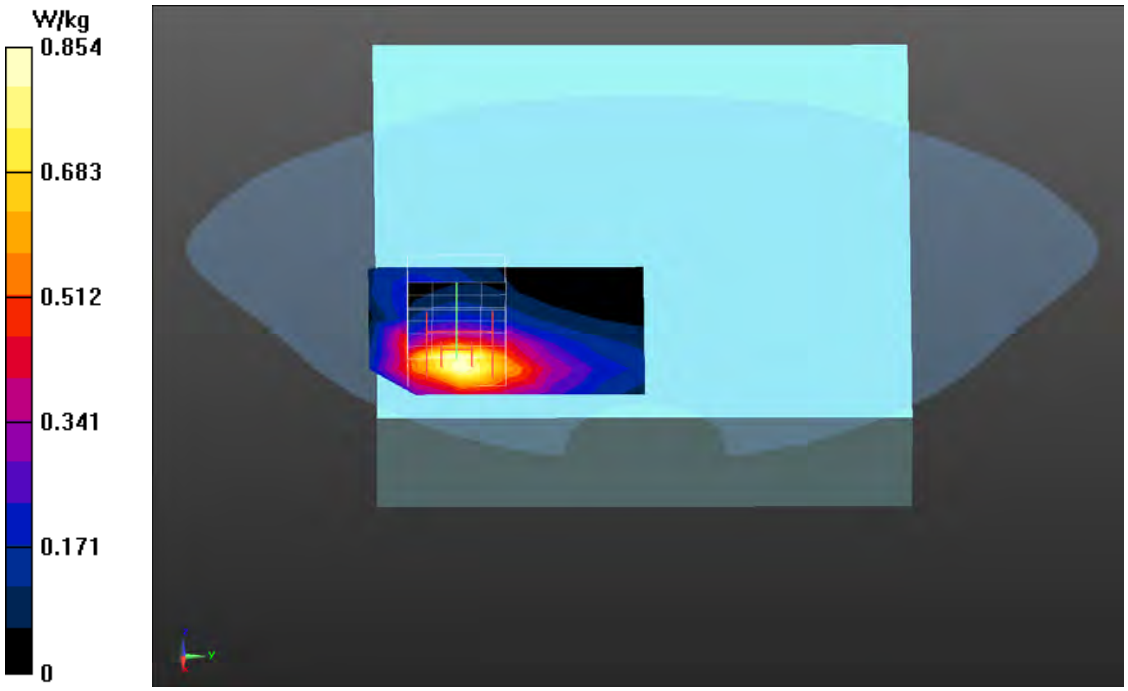
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_1175-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1908.75 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1908.75 MHz; σ = 1.58 S/m; ε_r = 54.31; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.854 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.757 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.452 W/kg
Maximum value of SAR (measured) = 0.942 W/kg



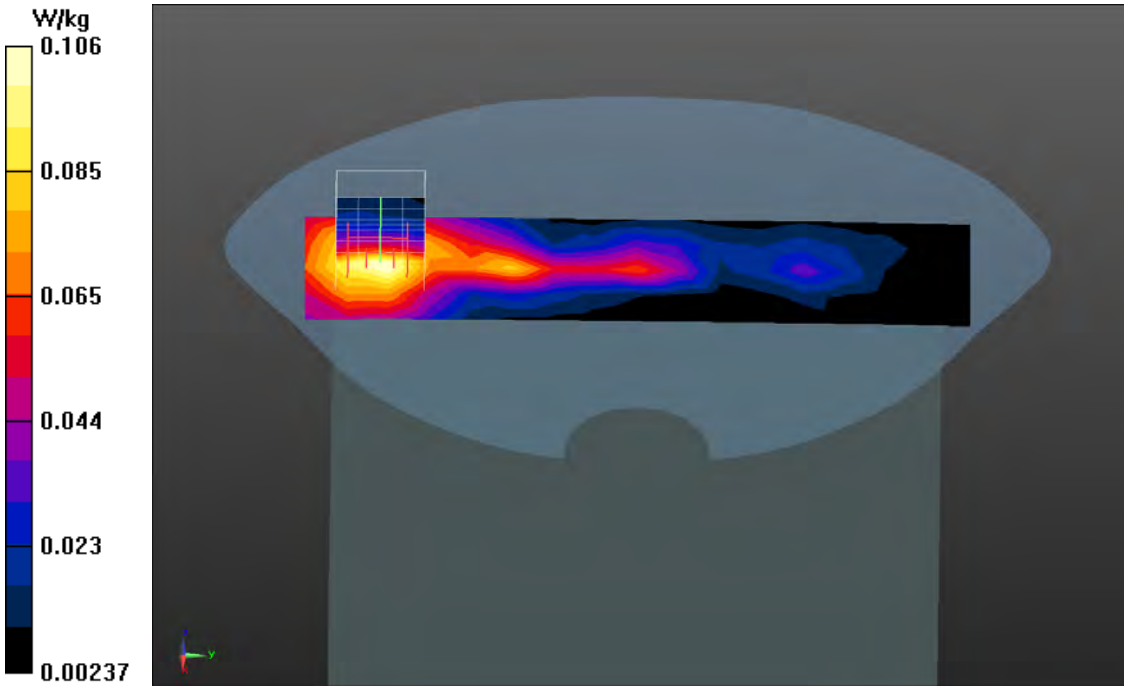
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_600-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.106 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.338 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.142 W/kg
SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.060 W/kg
Maximum value of SAR (measured) = 0.109 W/kg



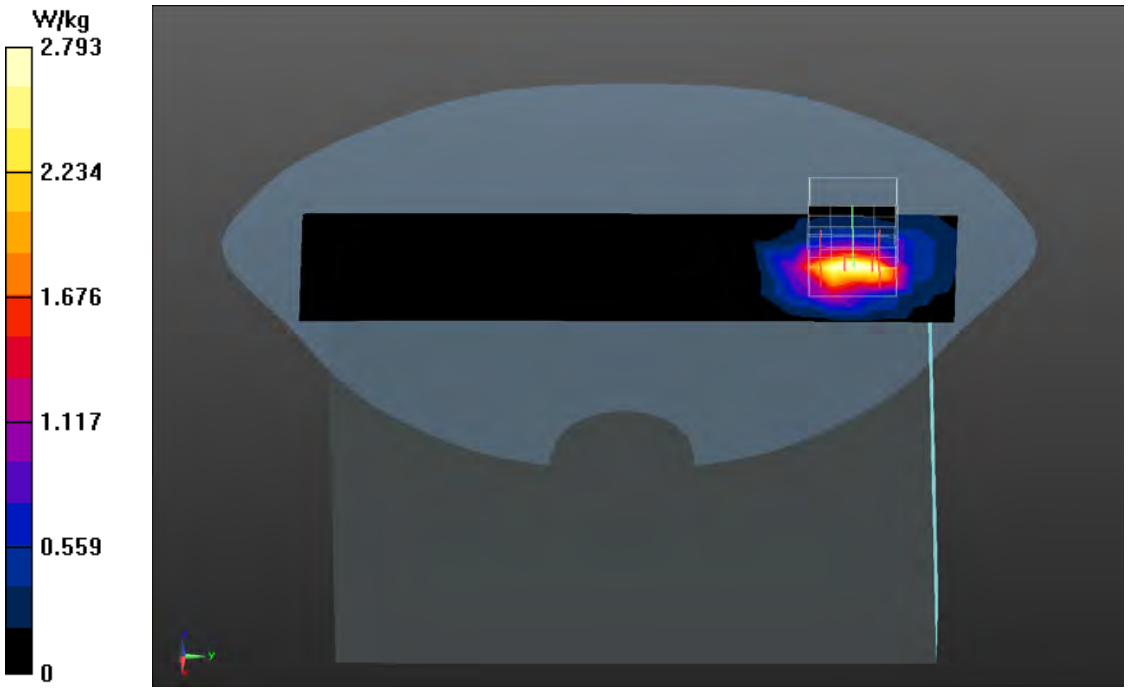
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_600-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.79 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.571 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 5.25 W/kg
SAR(1 g) = 2.77 W/kg; SAR(10 g) = 1.36 W/kg
Maximum value of SAR (measured) = 3.36 W/kg



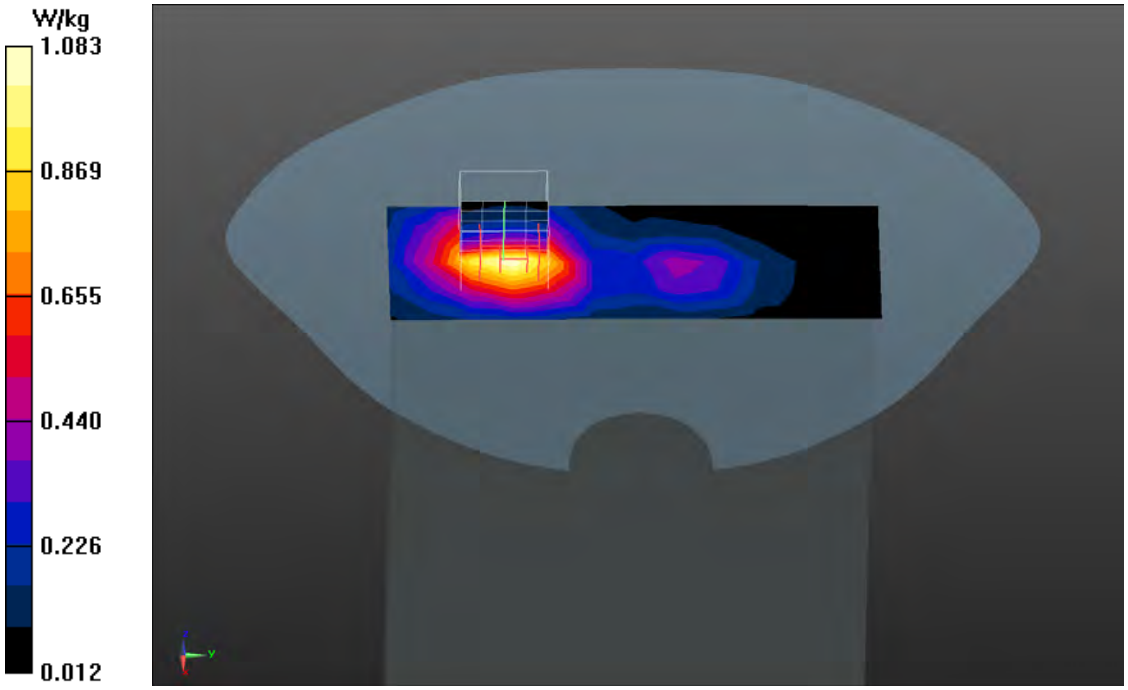
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_600-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

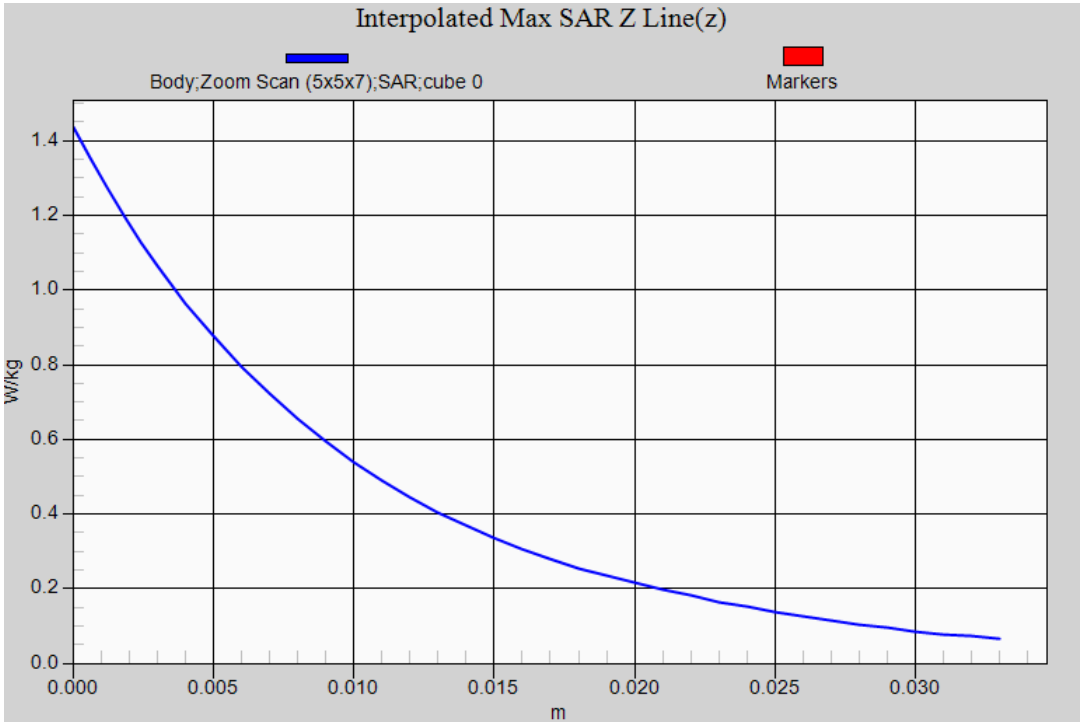
- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.08 W/kg

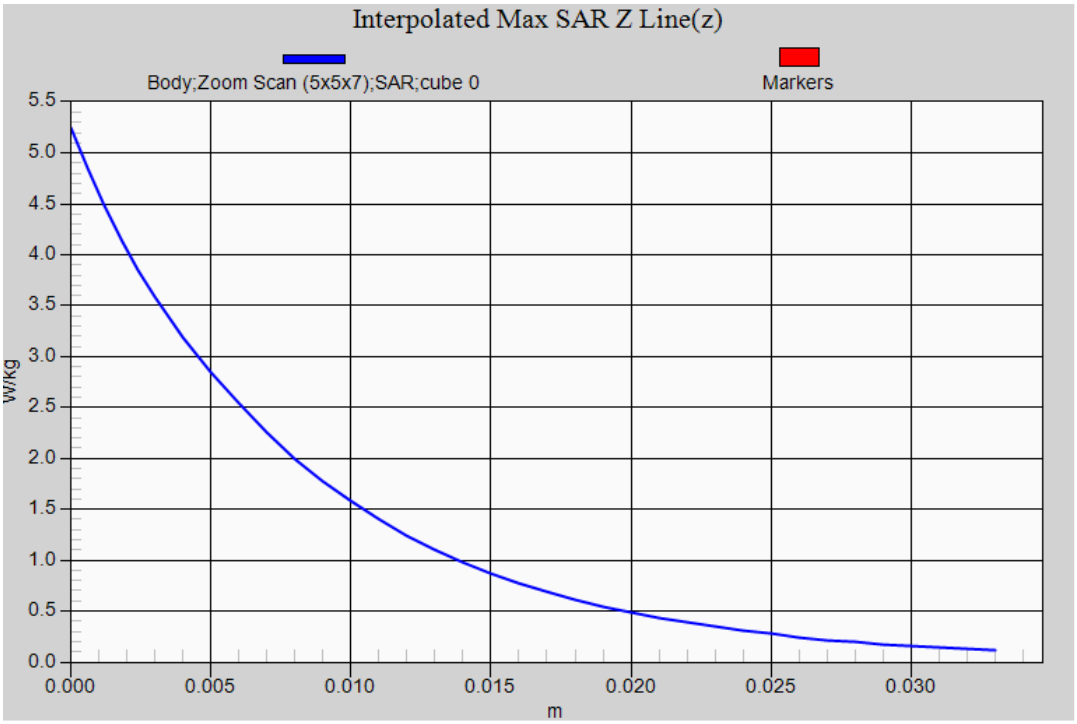
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.52 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.913 W/kg; SAR(10 g) = 0.555 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



1xEVDO BC1 (Body SAR) EUT Back (6mm (Pwr OFF)) Z-Axis plot
Channel: 600



1xEVDO BC1 (Limbs SAR) EUT Top (0mm (Pwr OFF)) Z-Axis plot
Channel: 600



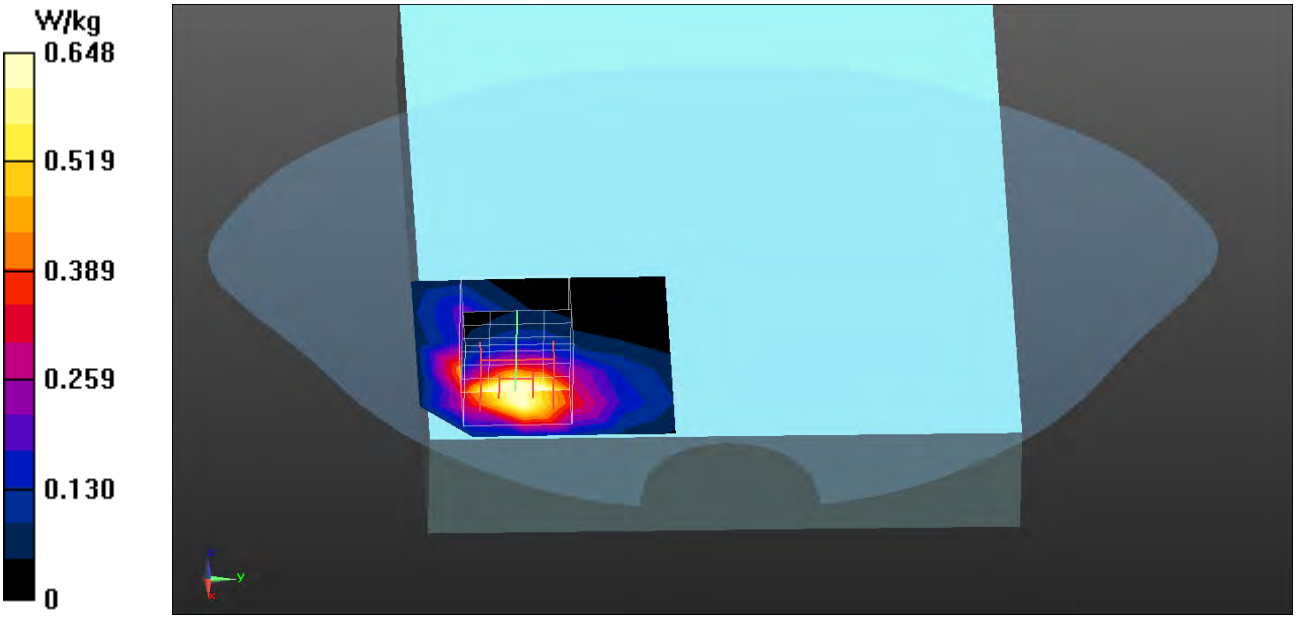
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18700_1RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.648 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.665 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.687 W/kg; SAR(10 g) = 0.362 W/kg
Maximum value of SAR (measured) = 0.866 W/kg



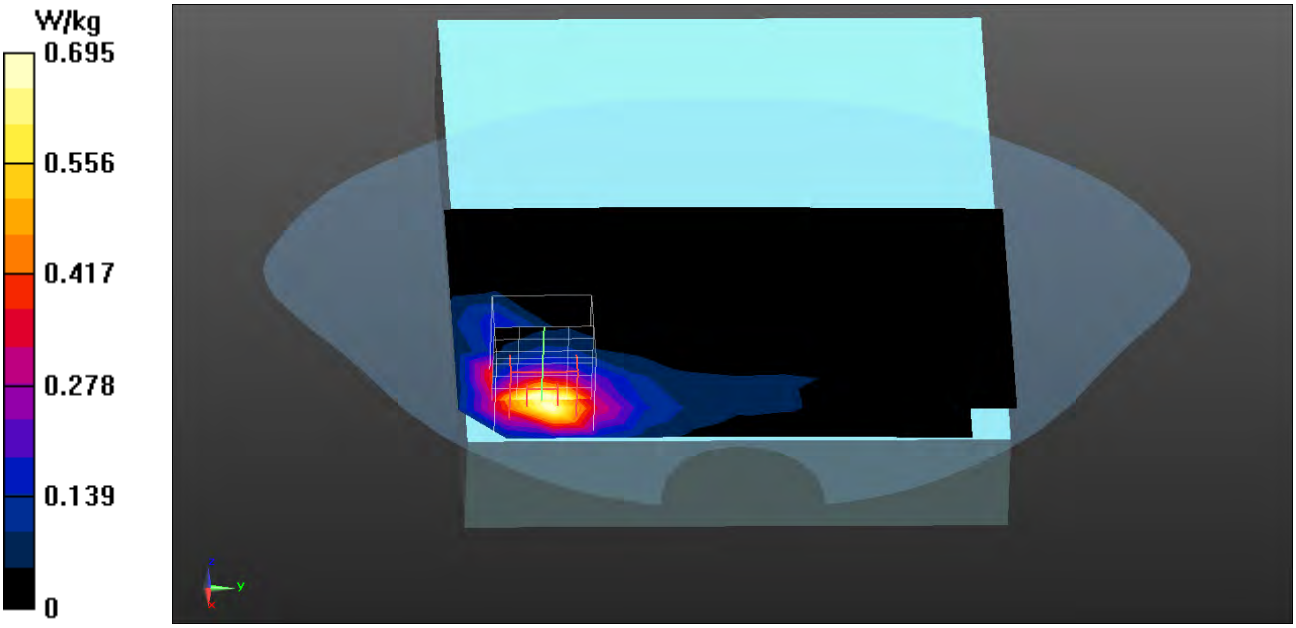
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_1RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.695 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.019 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.359 W/kg
Maximum value of SAR (measured) = 0.861 W/kg



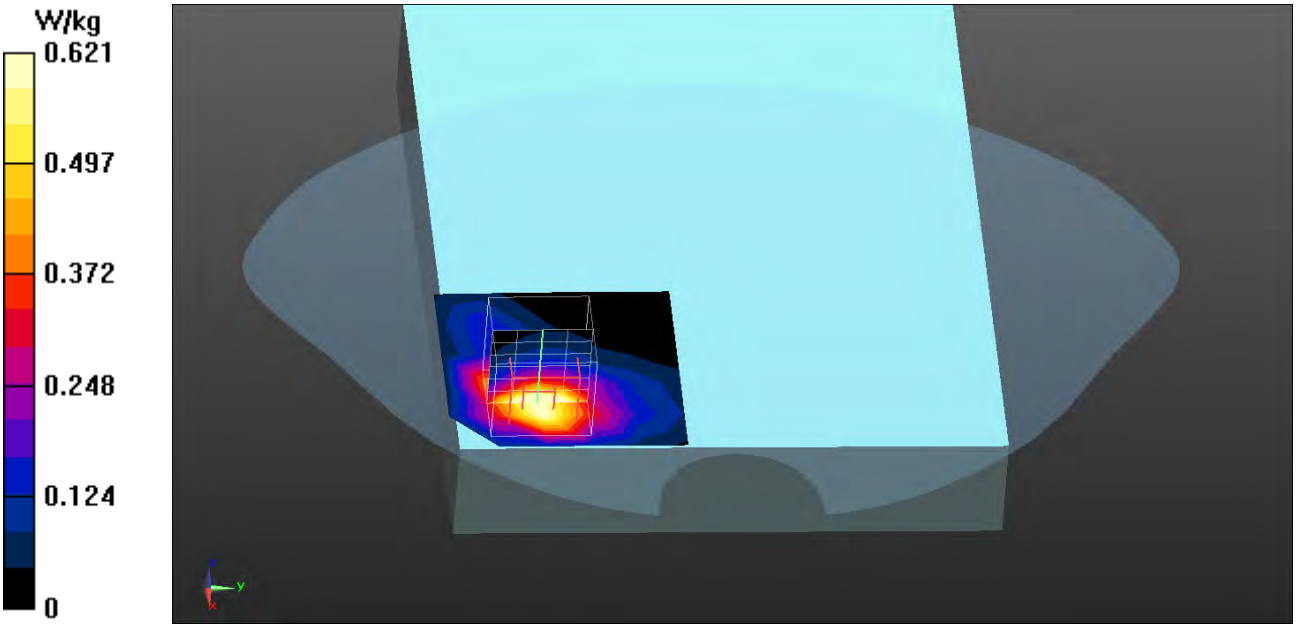
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_19100_1RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1900 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1900 MHz; σ = 1.57 S/m; ε_r = 54.37; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.621 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.6420 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.344 W/kg
Maximum value of SAR (measured) = 0.847 W/kg



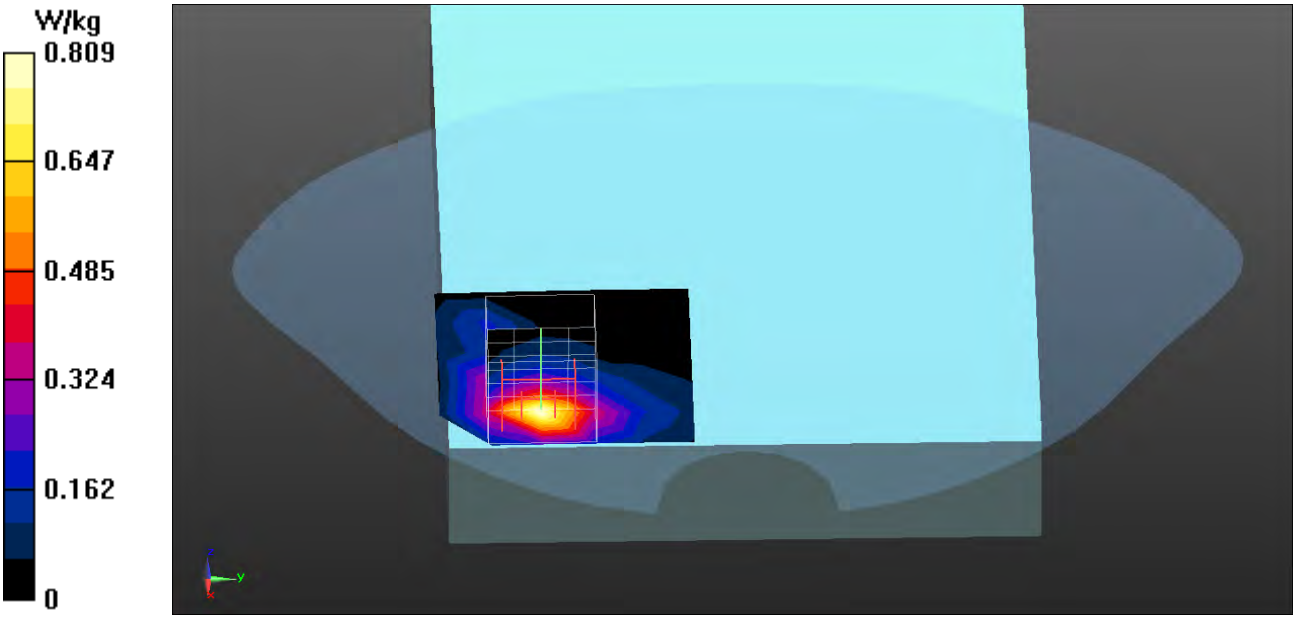
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18700_50RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.809 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.074 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 0.819 W/kg



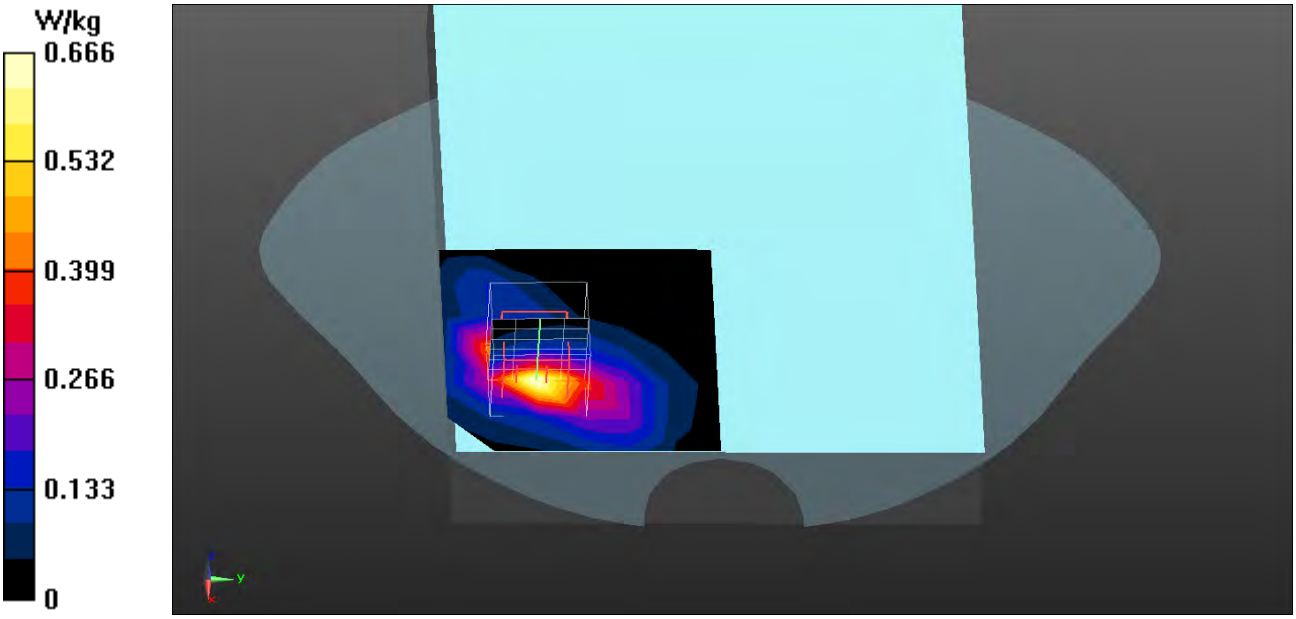
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_50RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.666 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.747 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.298 W/kg
Maximum value of SAR (measured) = 0.716 W/kg



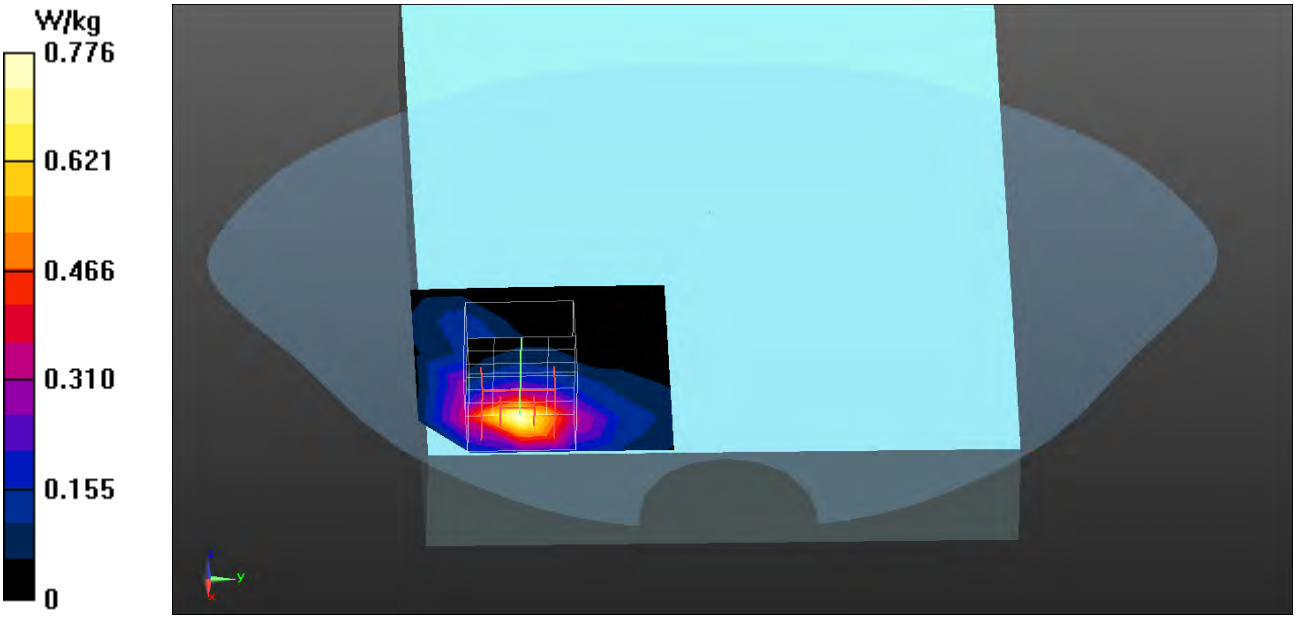
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_19100_50RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1900 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1900 MHz; σ = 1.57 S/m; ε_r = 54.37; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.776 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.312 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (measured) = 0.797 W/kg



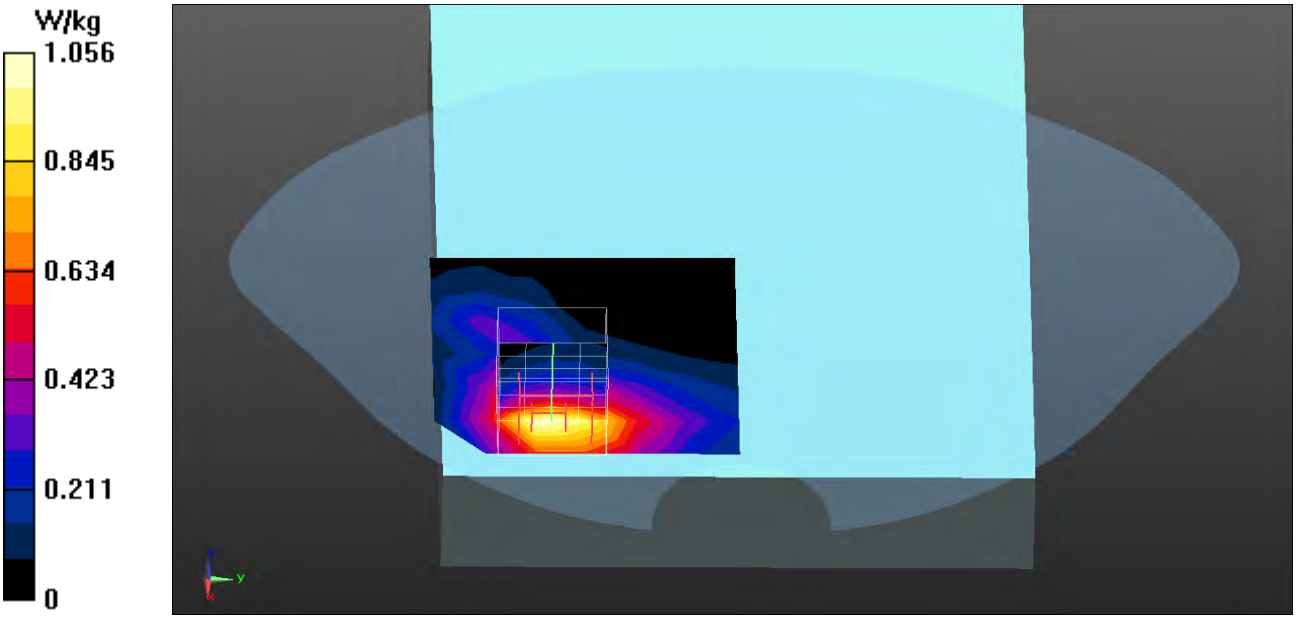
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18700_1RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.06 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.019 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.528 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



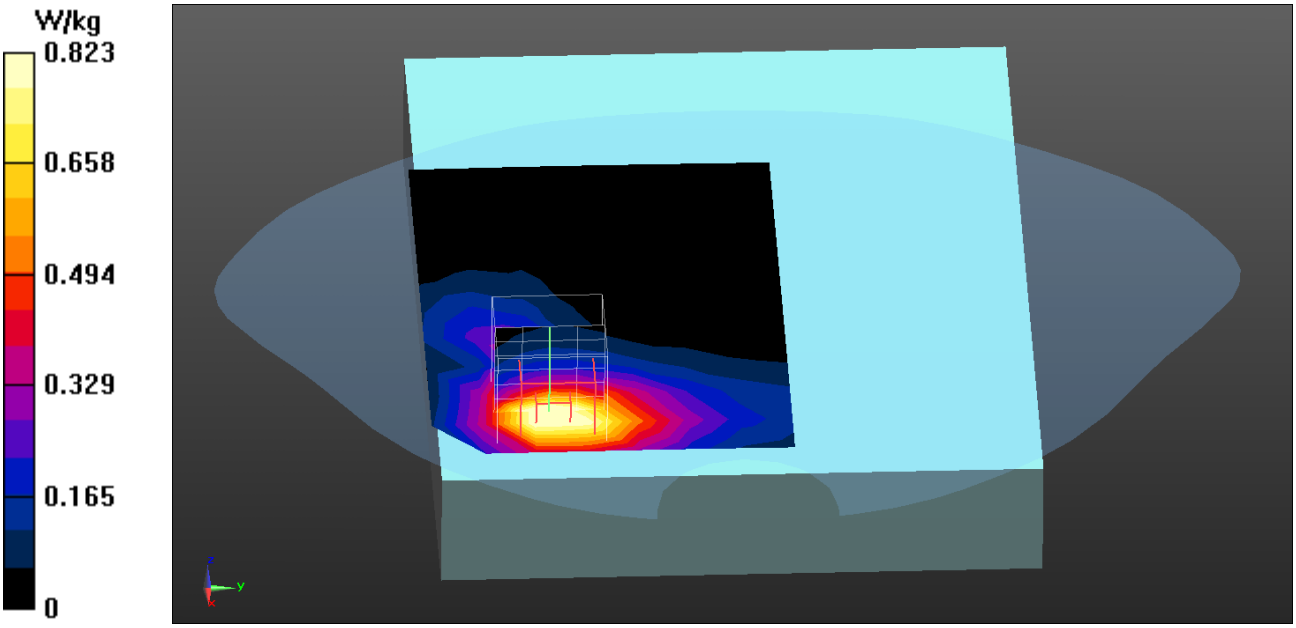
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_1RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.823 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.614 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.466 W/kg
Maximum value of SAR (measured) = 0.965 W/kg



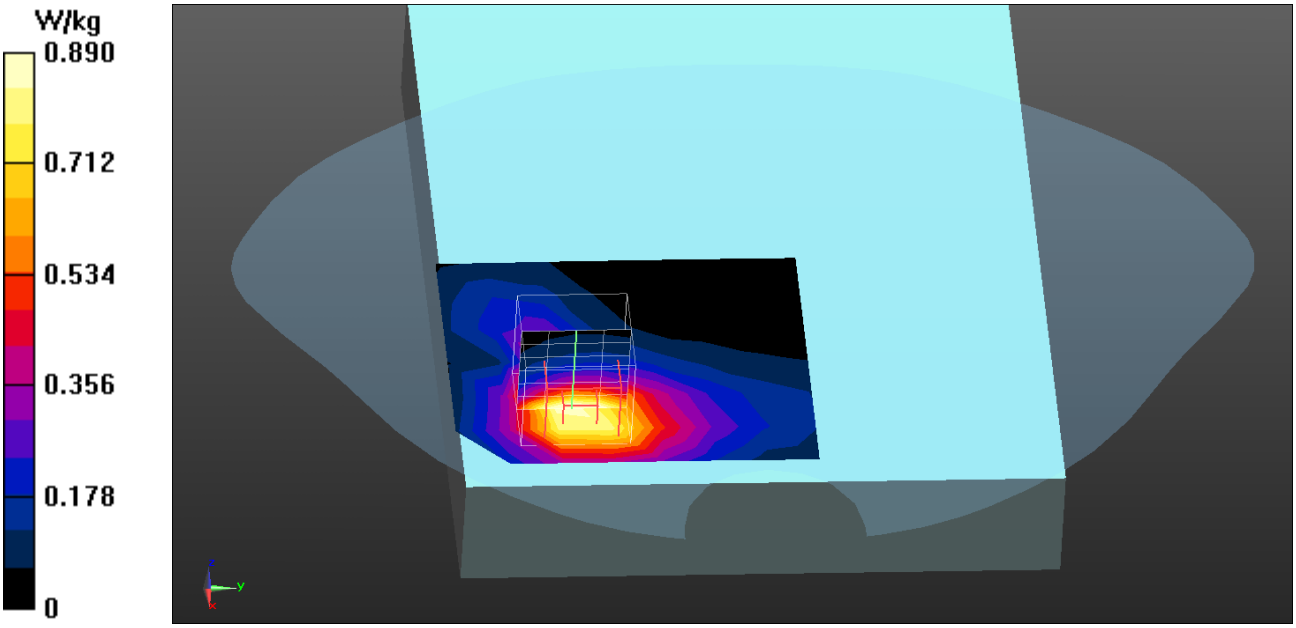
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_19100_1RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1900 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1900 MHz; σ = 1.57 S/m; ε_r = 54.37; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.890 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.152 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.492 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



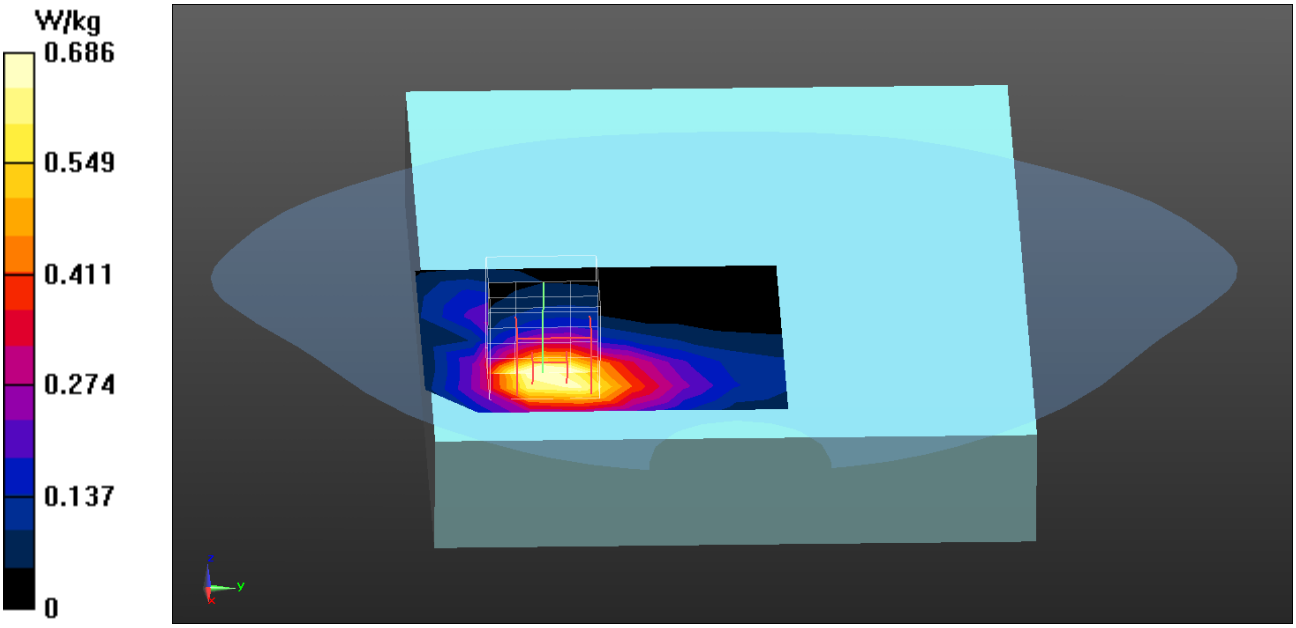
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18700_50RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.686 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.446 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.668 W/kg; SAR(10 g) = 0.391 W/kg
Maximum value of SAR (measured) = 0.801 W/kg



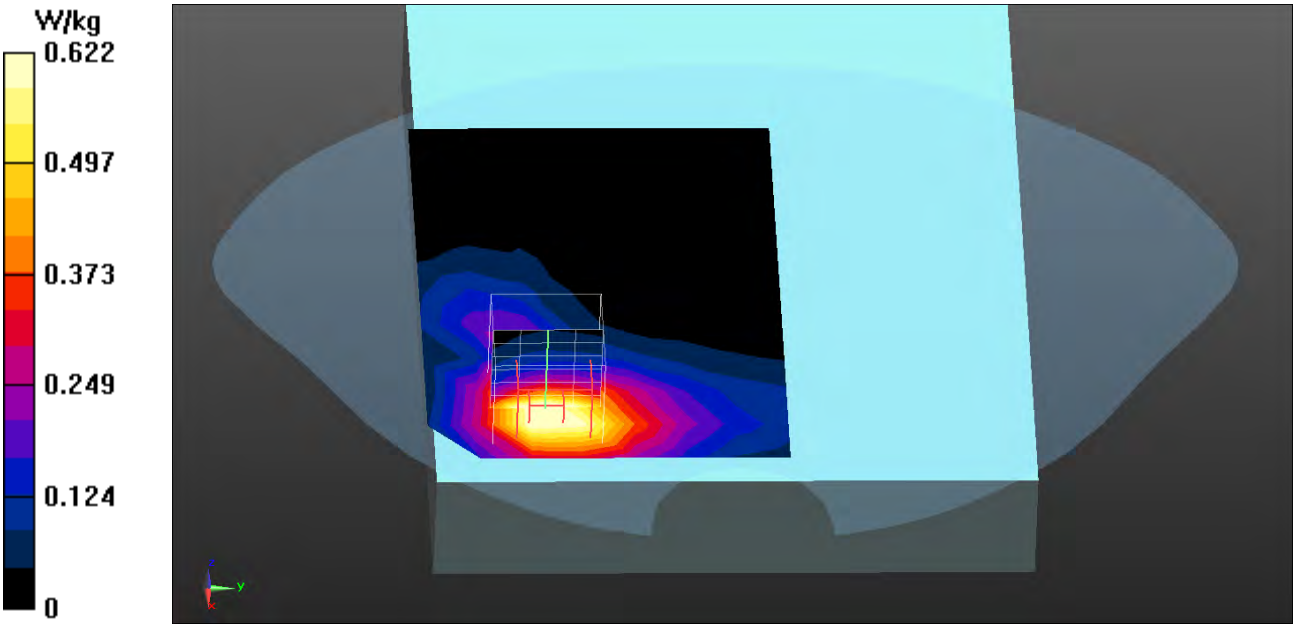
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_50RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.622 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.730 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.984 W/kg
SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.356 W/kg
Maximum value of SAR (measured) = 0.728 W/kg



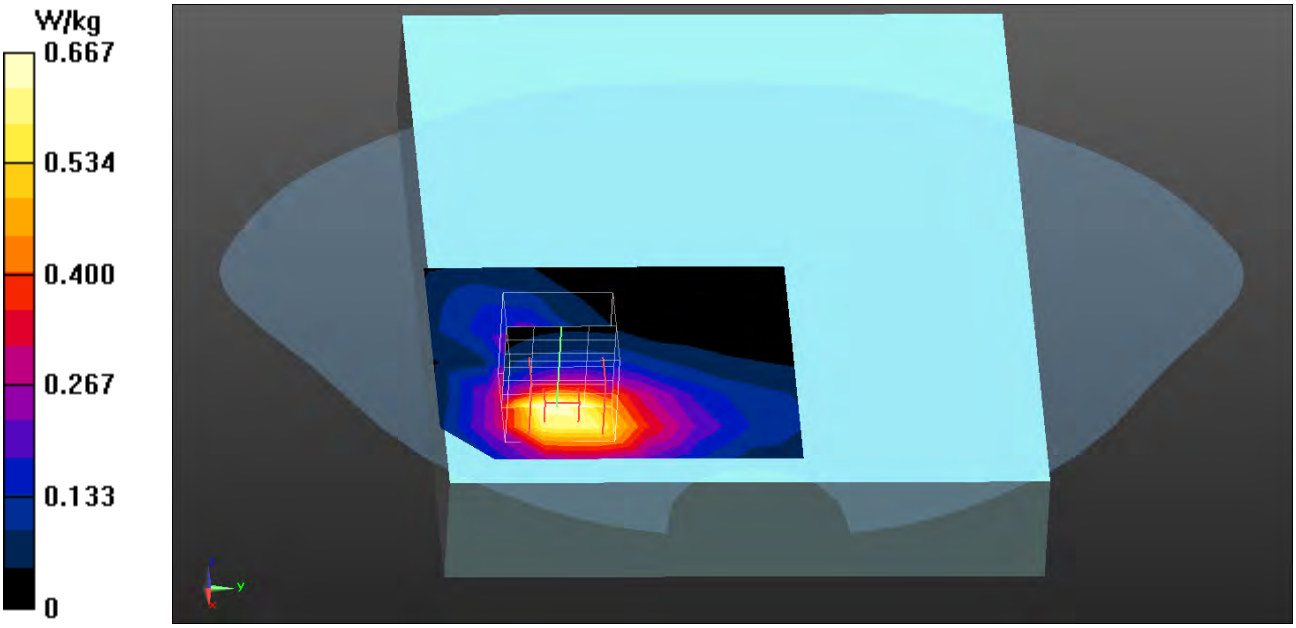
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_19100_50RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1900 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1900 MHz; σ = 1.57 S/m; ε_r = 54.37; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.667 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.884 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.362 W/kg
Maximum value of SAR (measured) = 0.761 W/kg



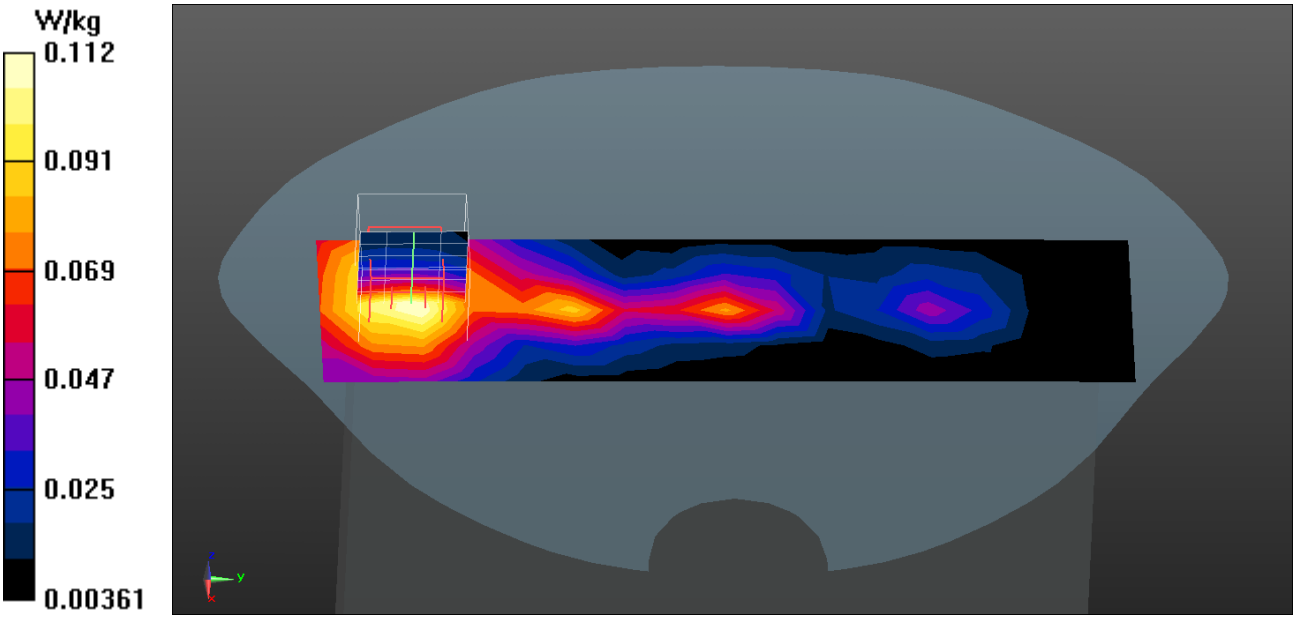
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_1RB-0-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.112 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.247 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.115 W/kg



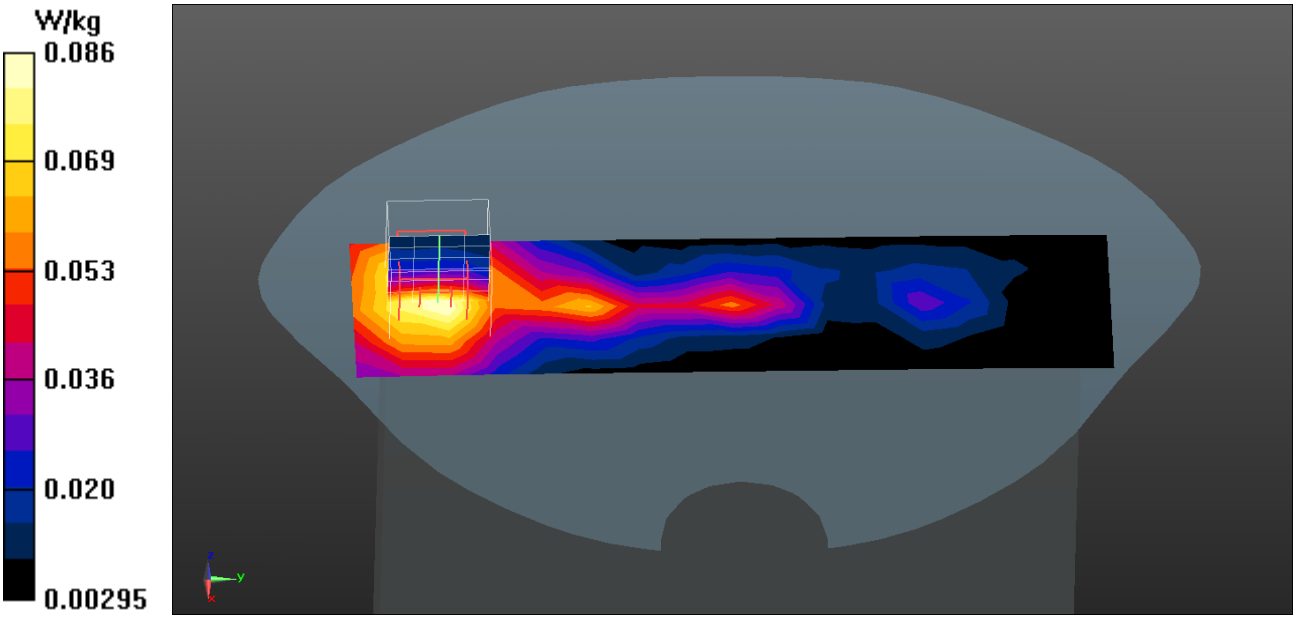
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_50RB-0-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0860 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.164 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.117 W/kg
SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.050 W/kg
Maximum value of SAR (measured) = 0.0889 W/kg



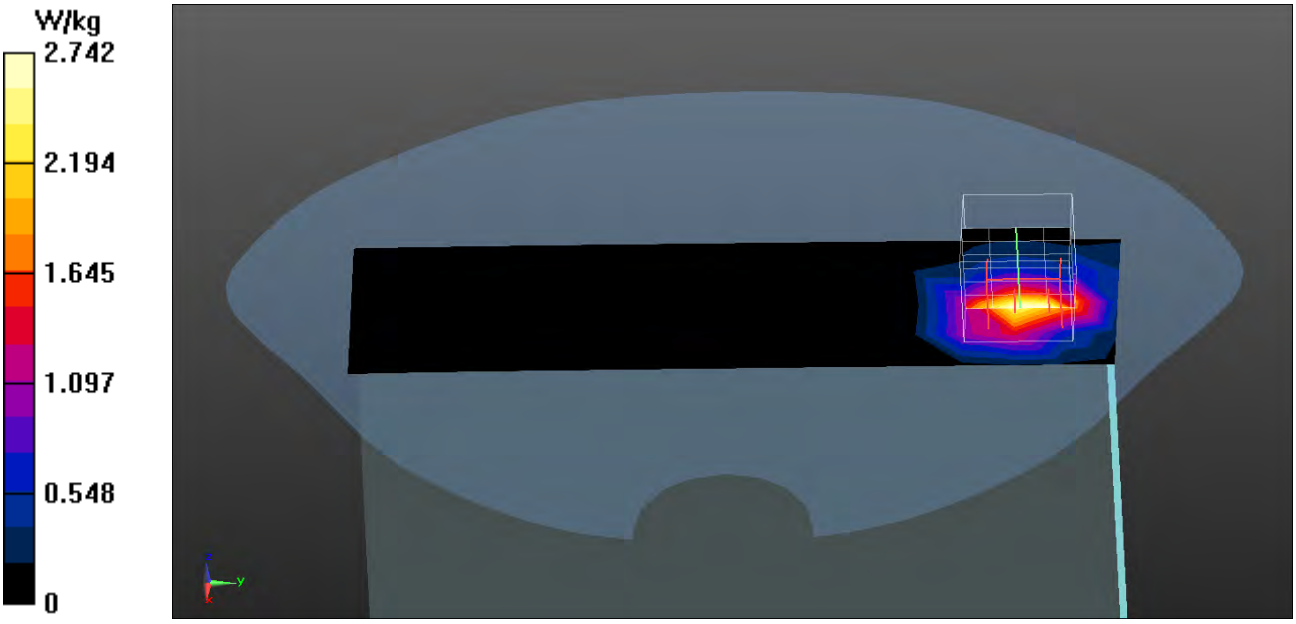
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_1RB-0-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.74 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.797 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 4.94 W/kg
SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.26 W/kg
Maximum value of SAR (measured) = 2.94 W/kg



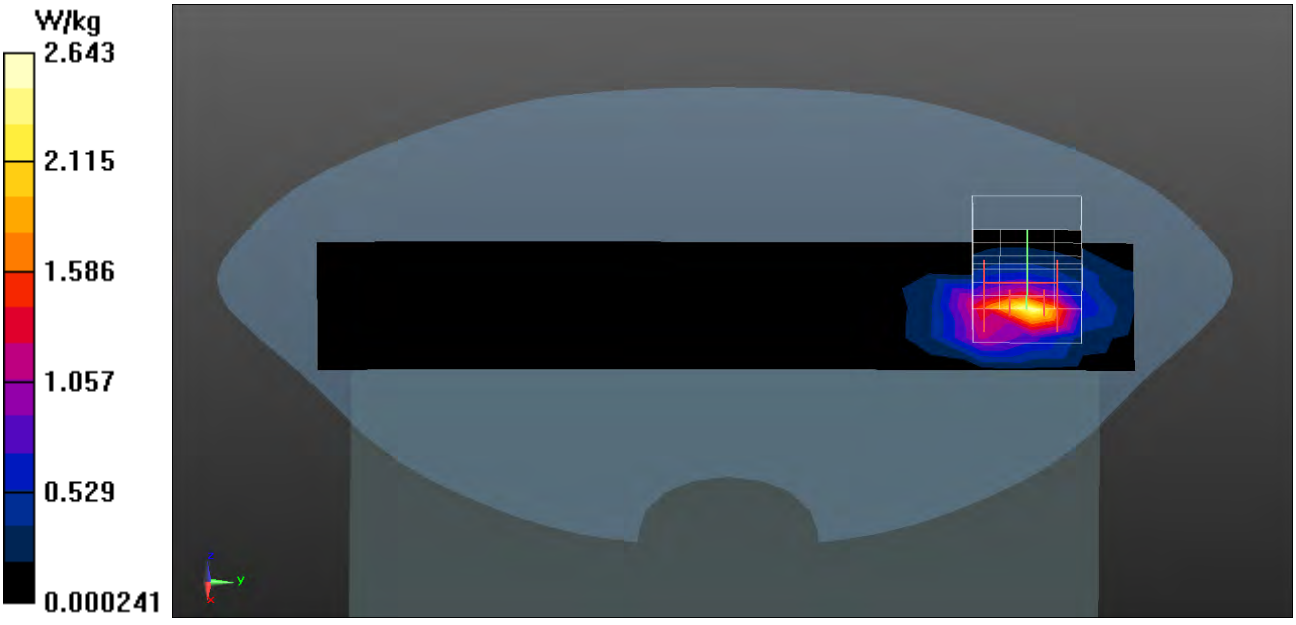
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_50RB-0-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.64 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.9480 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.81 W/kg
SAR(1 g) = 2 W/kg; SAR(10 g) = 0.977 W/kg
Maximum value of SAR (measured) = 2.54 W/kg



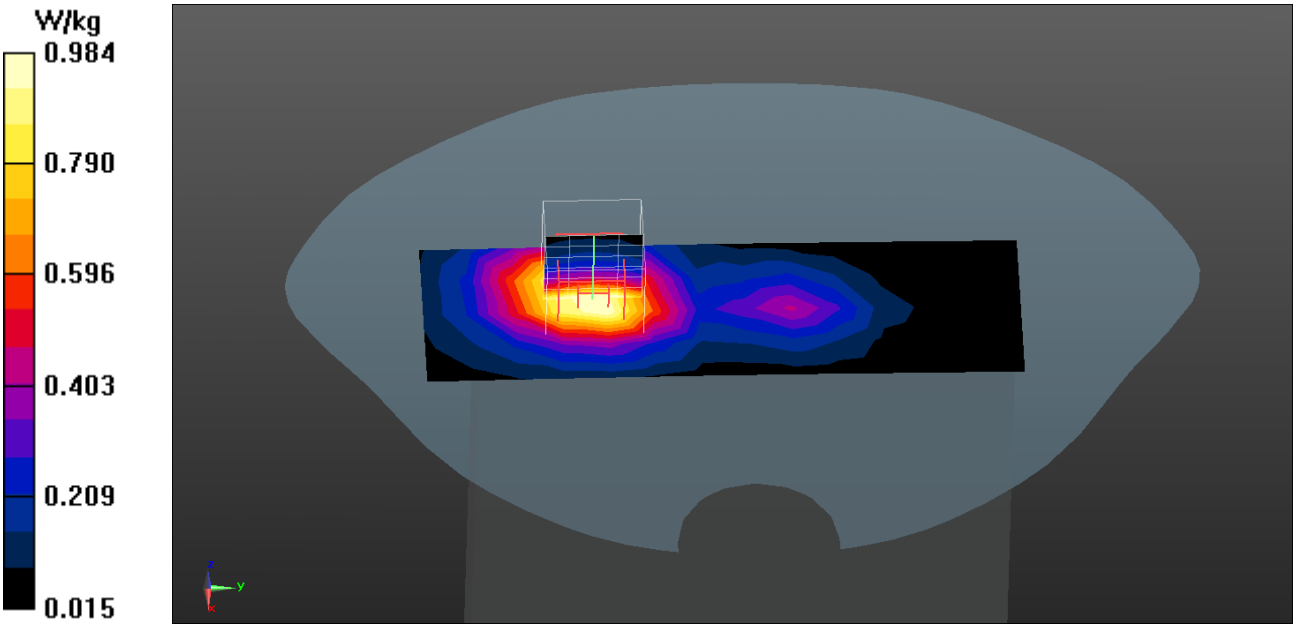
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_1RB-0-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.984 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.59 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.565 W/kg
Maximum value of SAR (measured) = 1.11 W/kg



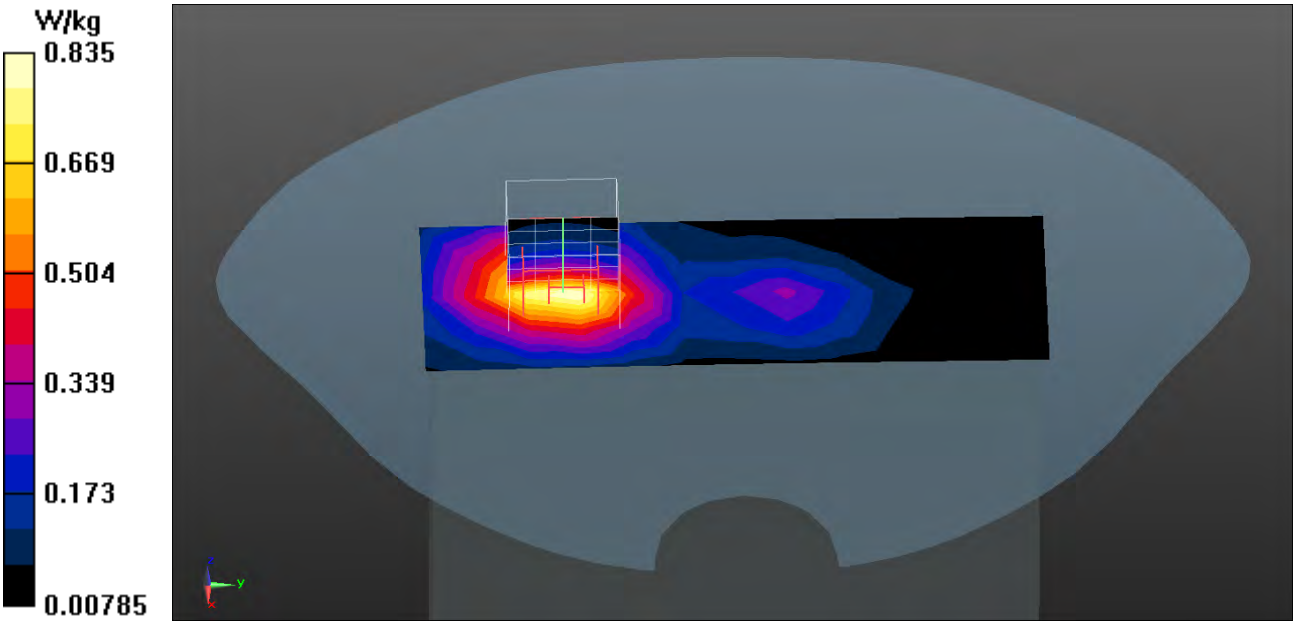
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18900_50RB-0-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

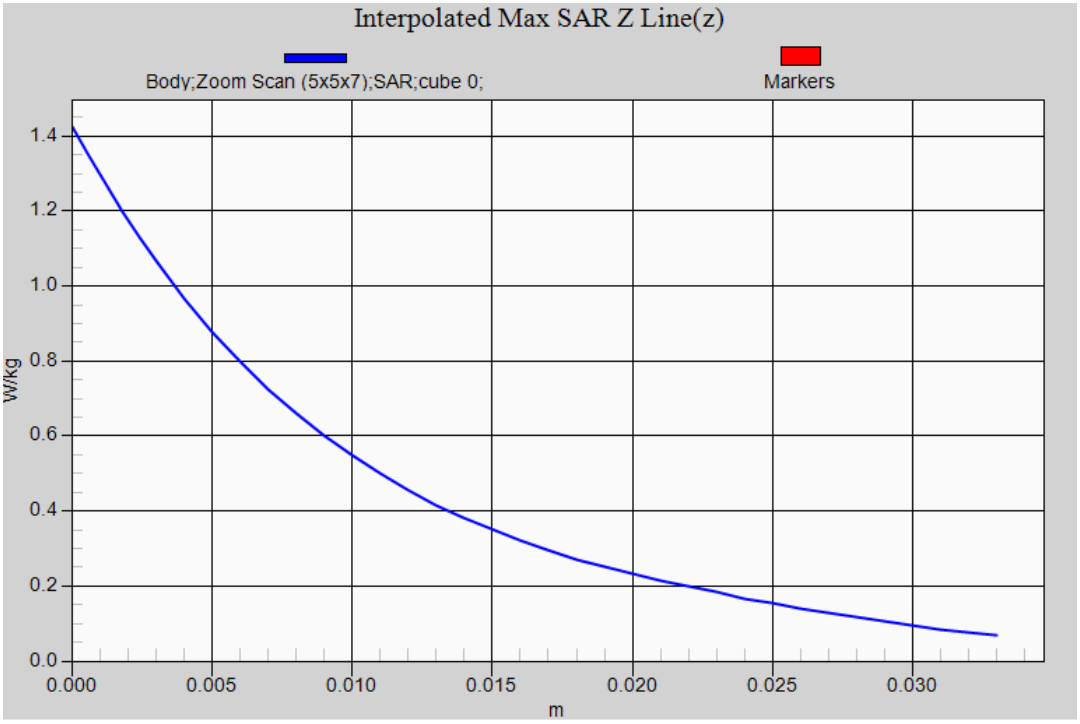
- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.835 W/kg

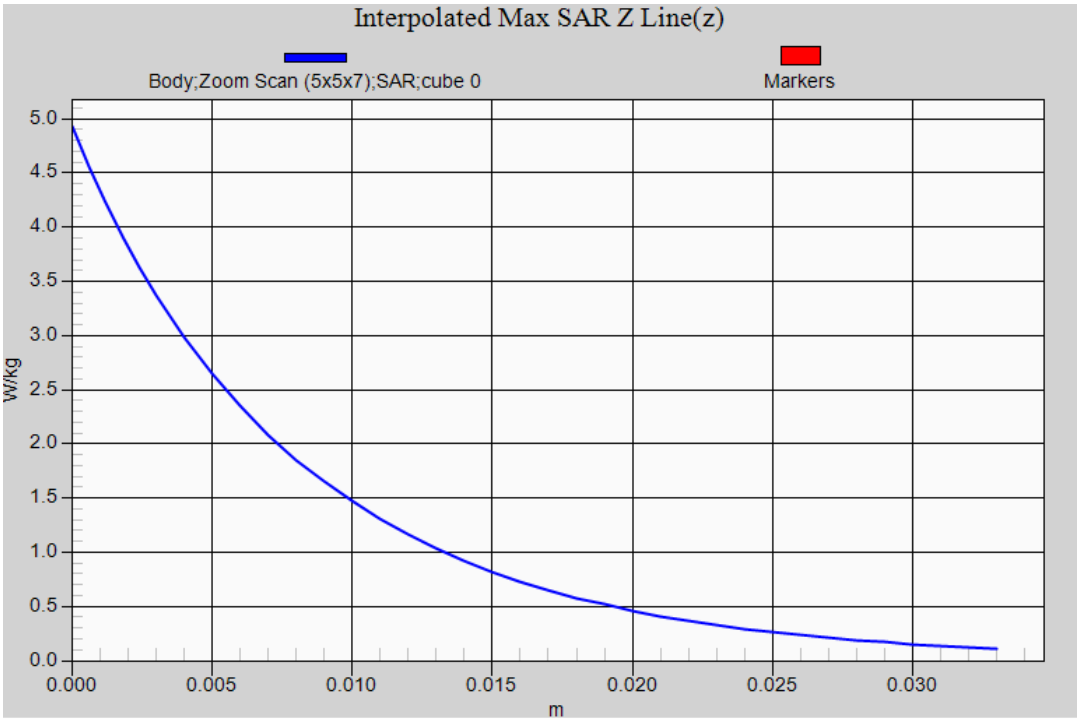
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.71 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.715 W/kg; SAR(10 g) = 0.433 W/kg
Maximum value of SAR (measured) = 0.848 W/kg



LTE Band 2 QPSK 1RB (Body SAR) EUT Back (6mm Pwr OFF) Z-Axis plot
Channel: 18700



LTE Band 2 QPSK 1RB (Limbs SAR) EUT Top (0mm Pwr OFF) Z-Axis plot
Channel: 18900



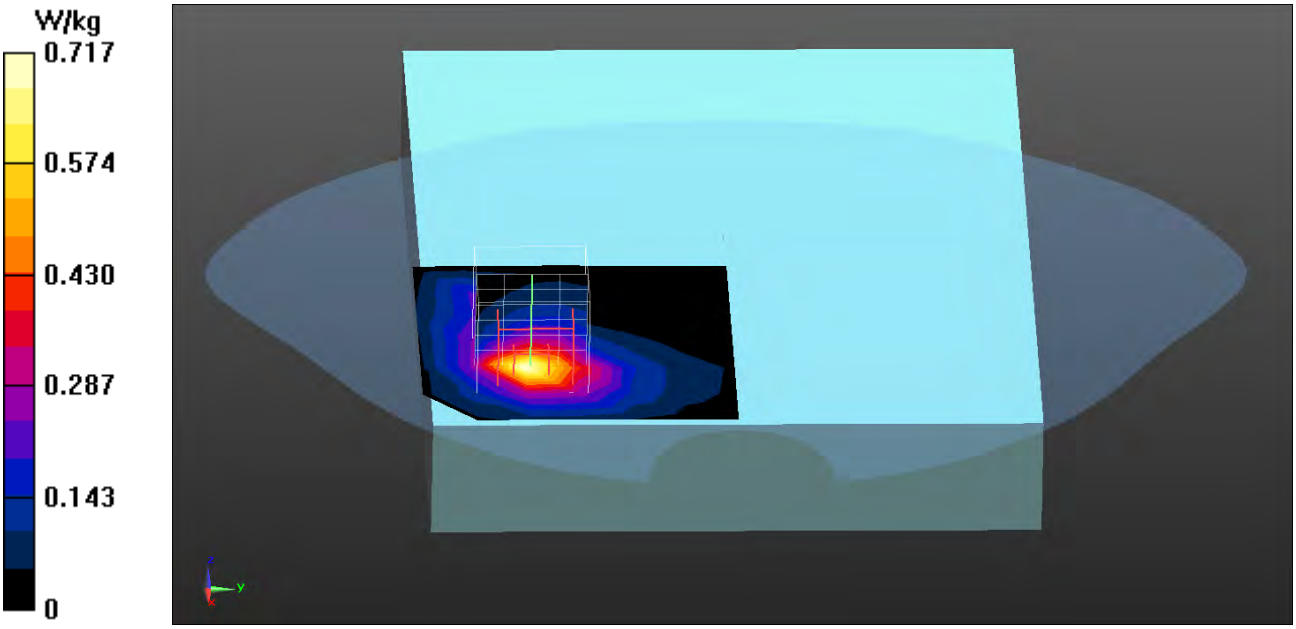
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20050_1RB-99-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1720 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1720 MHz; σ = 1.46 S/m; ε_r = 55.06; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.717 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.227 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.986 W/kg
SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.315 W/kg
Maximum value of SAR (measured) = 0.716 W/kg



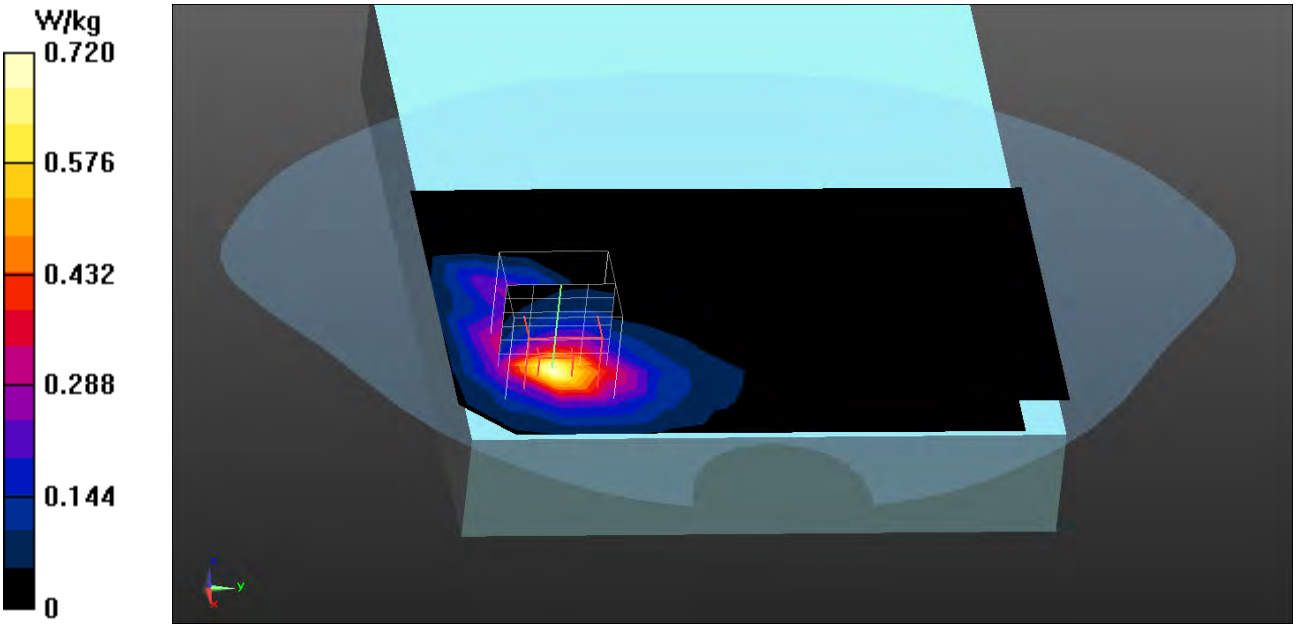
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_1RB-99-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.720 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.469 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.325 W/kg
Maximum value of SAR (measured) = 0.742 W/kg



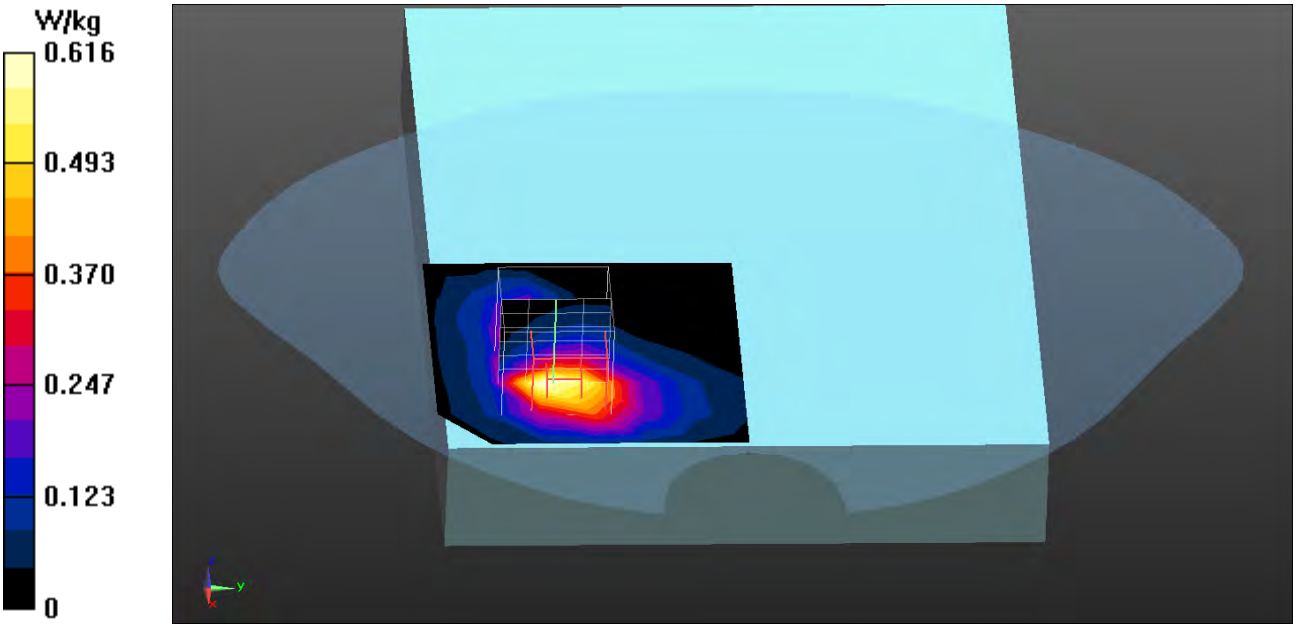
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20300_1RB-99-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1745 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1745 MHz; σ = 1.49 S/m; ε_r = 55.02; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.616 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.254 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.975 W/kg
SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.307 W/kg
Maximum value of SAR (measured) = 0.695 W/kg



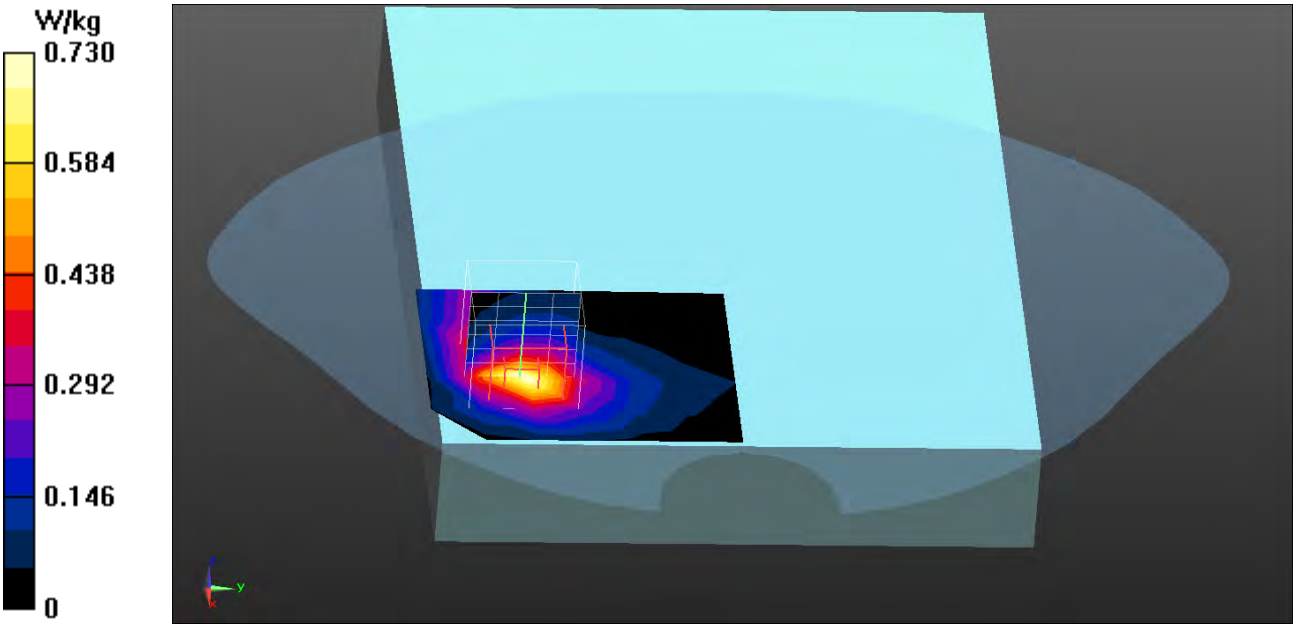
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20050_50RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1720 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1720 MHz; σ = 1.46 S/m; ε_r = 55.06; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.730 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.277 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.348 W/kg
Maximum value of SAR (measured) = 0.779 W/kg



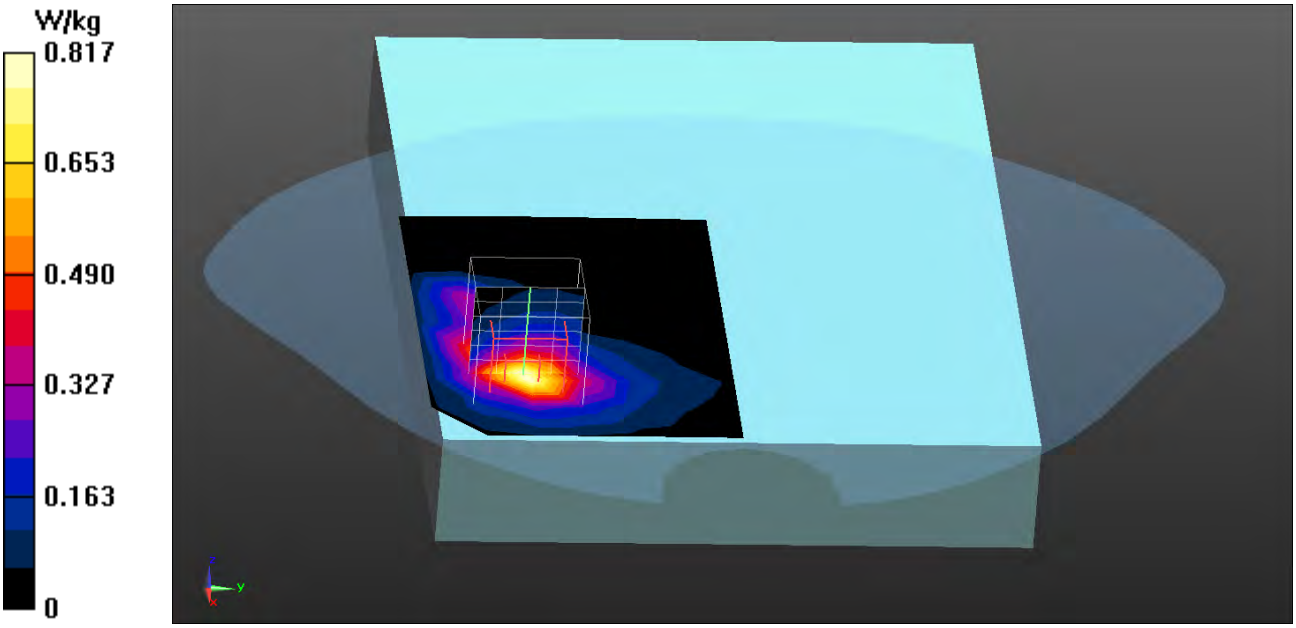
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_50RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.817 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.427 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.378 W/kg
Maximum value of SAR (measured) = 0.860 W/kg



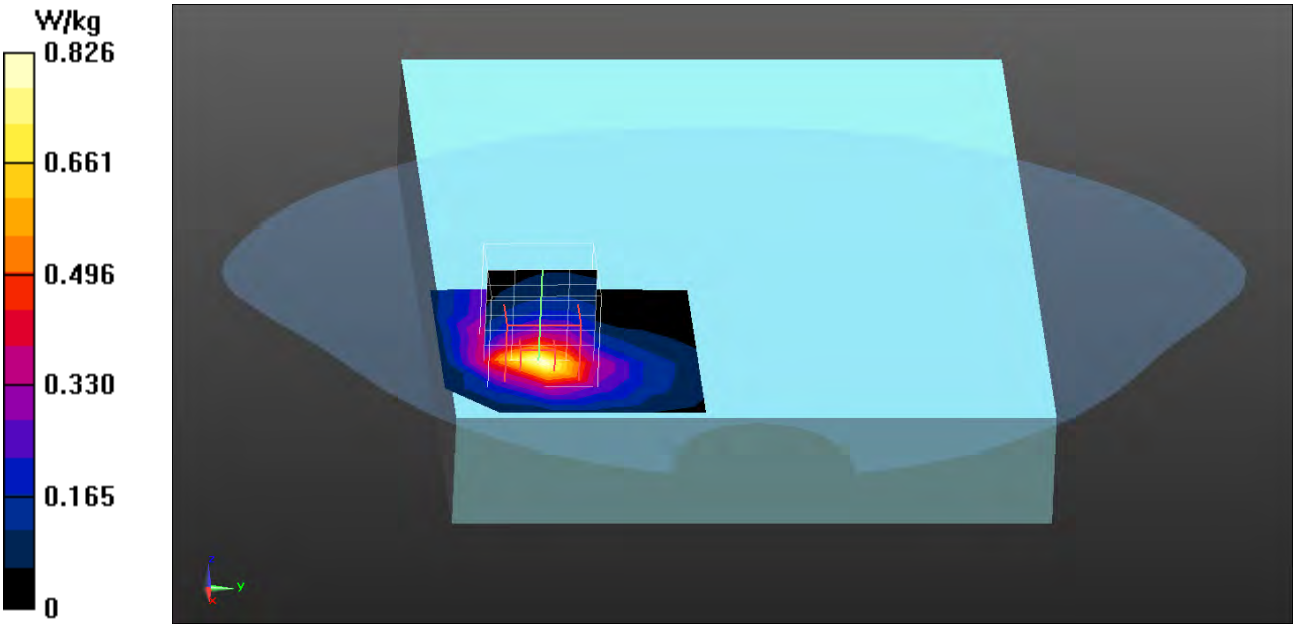
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20300_50RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1745 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1745 MHz; σ = 1.49 S/m; ε_r = 55.02; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.826 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.840 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.370 W/kg
Maximum value of SAR (measured) = 0.834 W/kg



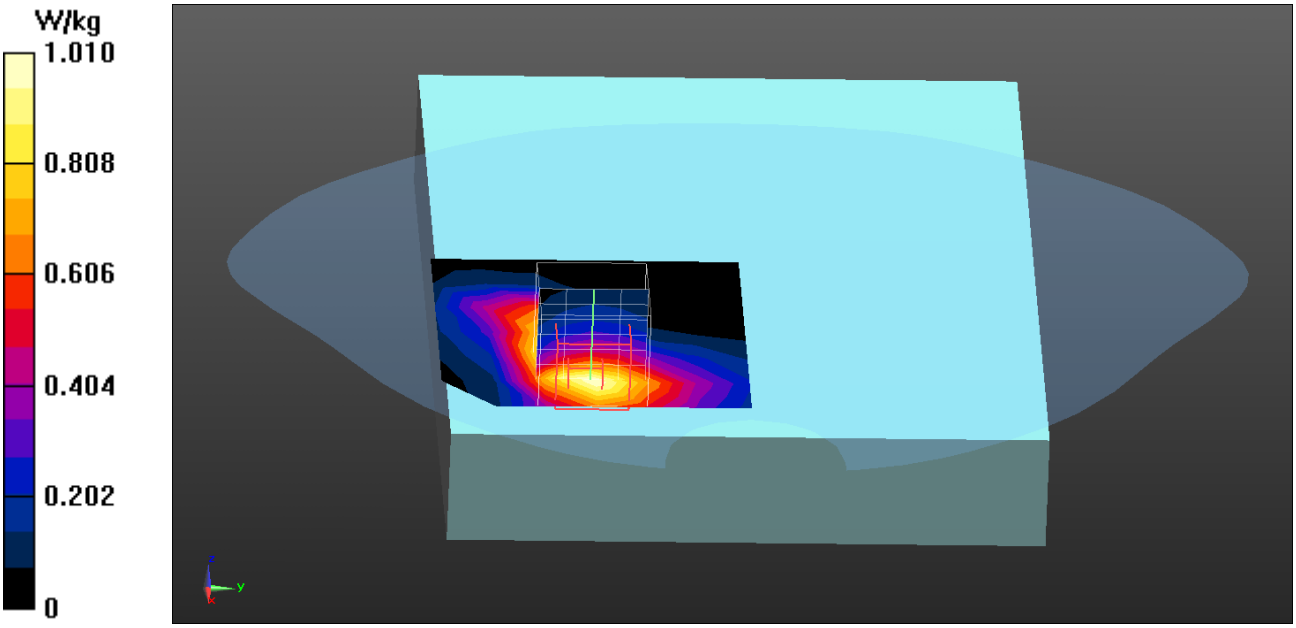
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20050_1RB-99-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1720 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1720 MHz; σ = 1.46 S/m; ε_r = 55.06; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.01 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.366 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.864 W/kg; SAR(10 g) = 0.539 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



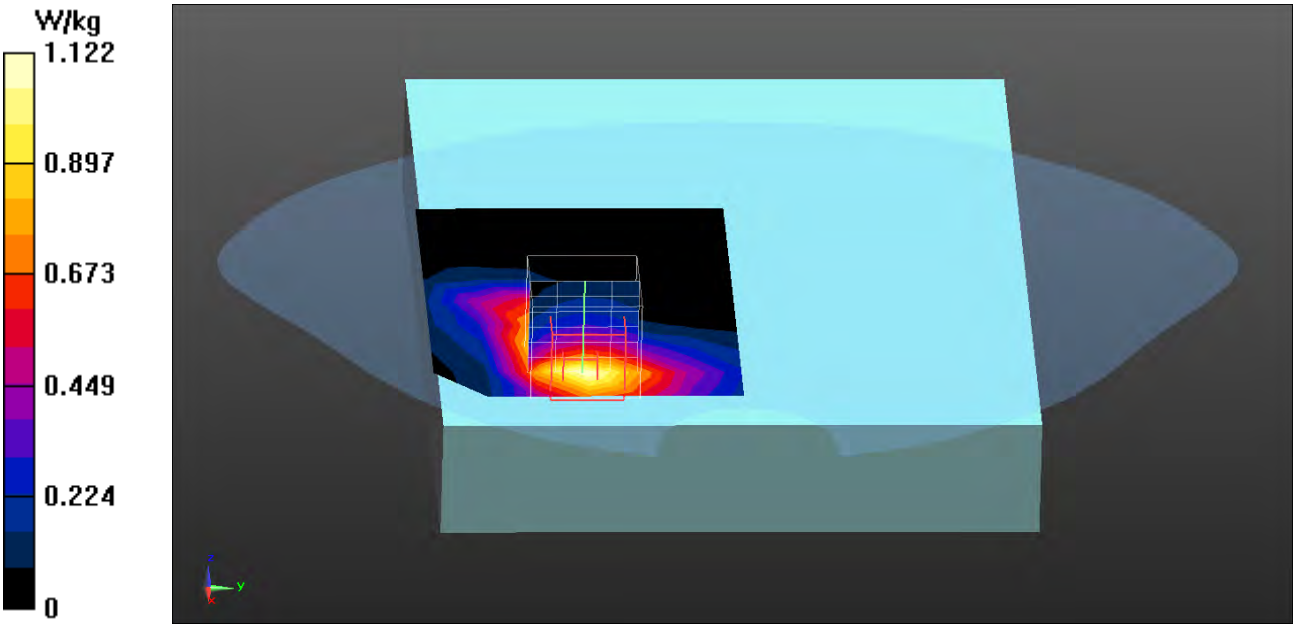
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_1RB-99-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.12 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.291 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.590 W/kg
Maximum value of SAR (measured) = 1.14 W/kg



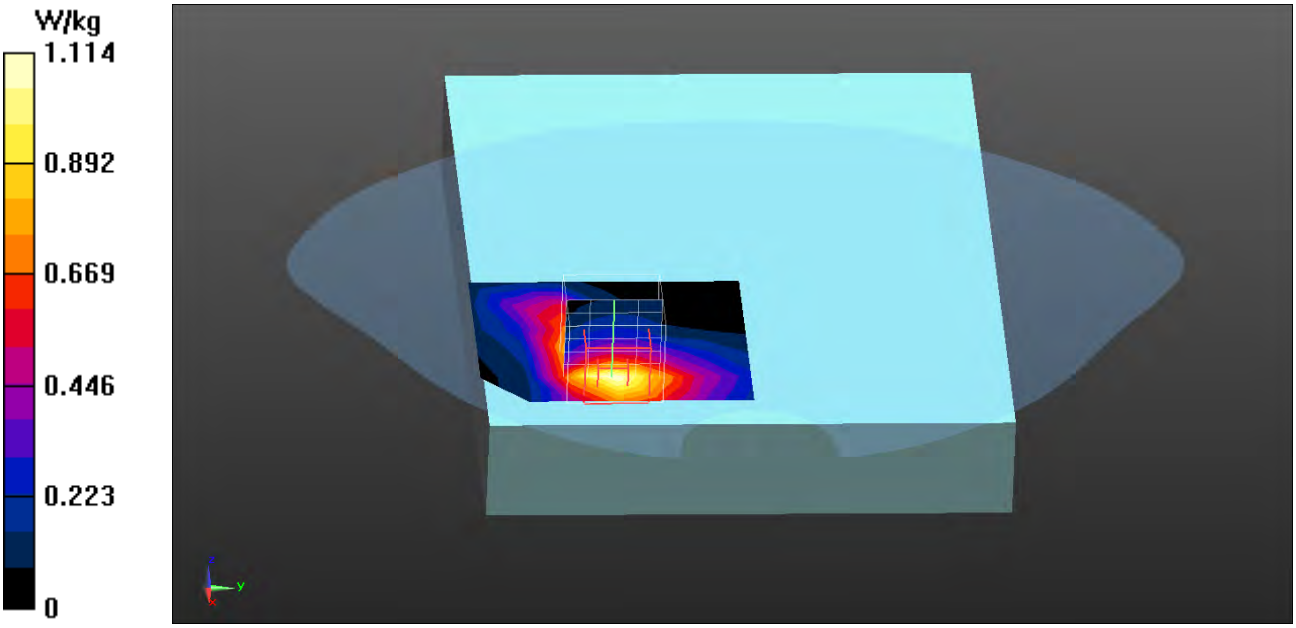
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20300_1RB-99-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1745 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1745 MHz; σ = 1.49 S/m; ε_r = 55.02; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.11 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.192 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.583 W/kg
Maximum value of SAR (measured) = 1.13 W/kg



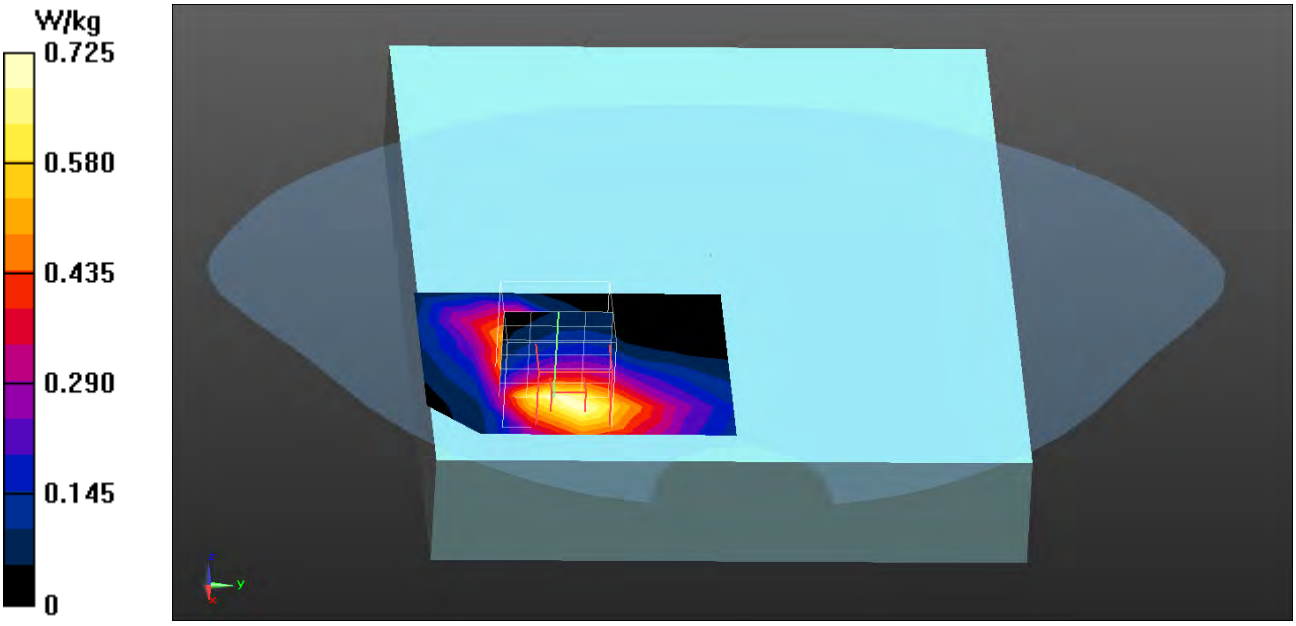
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20050_50RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1720 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1720 MHz; σ = 1.46 S/m; ε_r = 55.06; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.725 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.191 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.388 W/kg
Maximum value of SAR (measured) = 0.742 W/kg



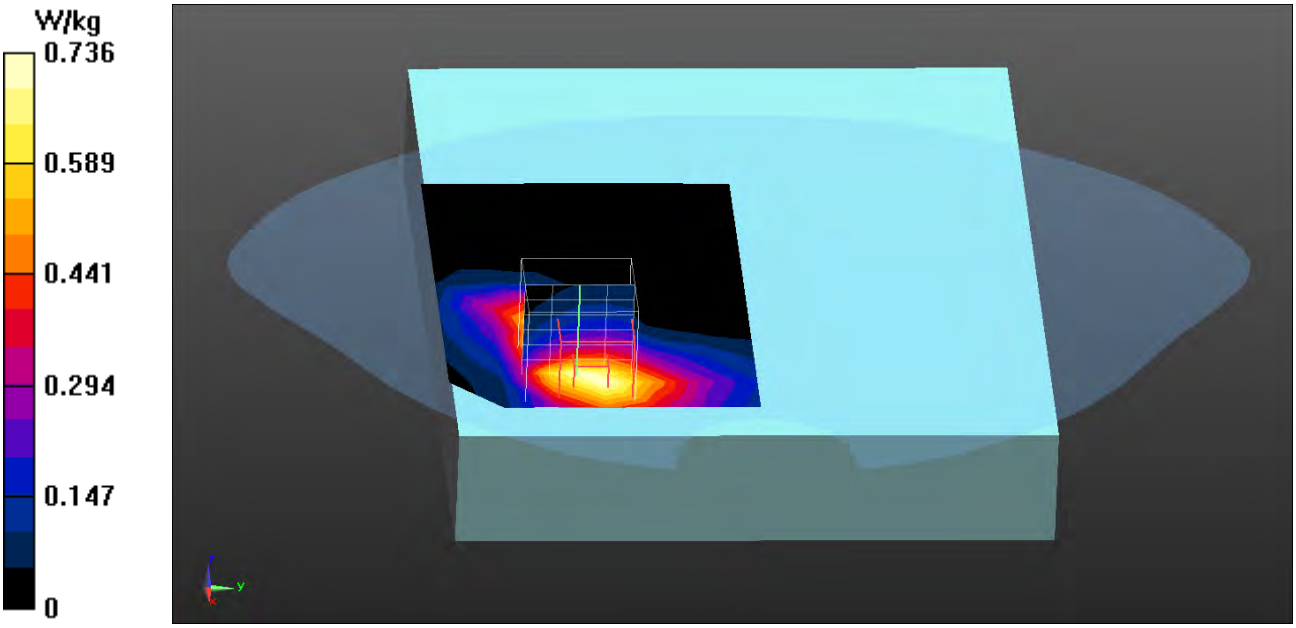
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_50RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.736 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.384 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.393 W/kg
Maximum value of SAR (measured) = 0.751 W/kg



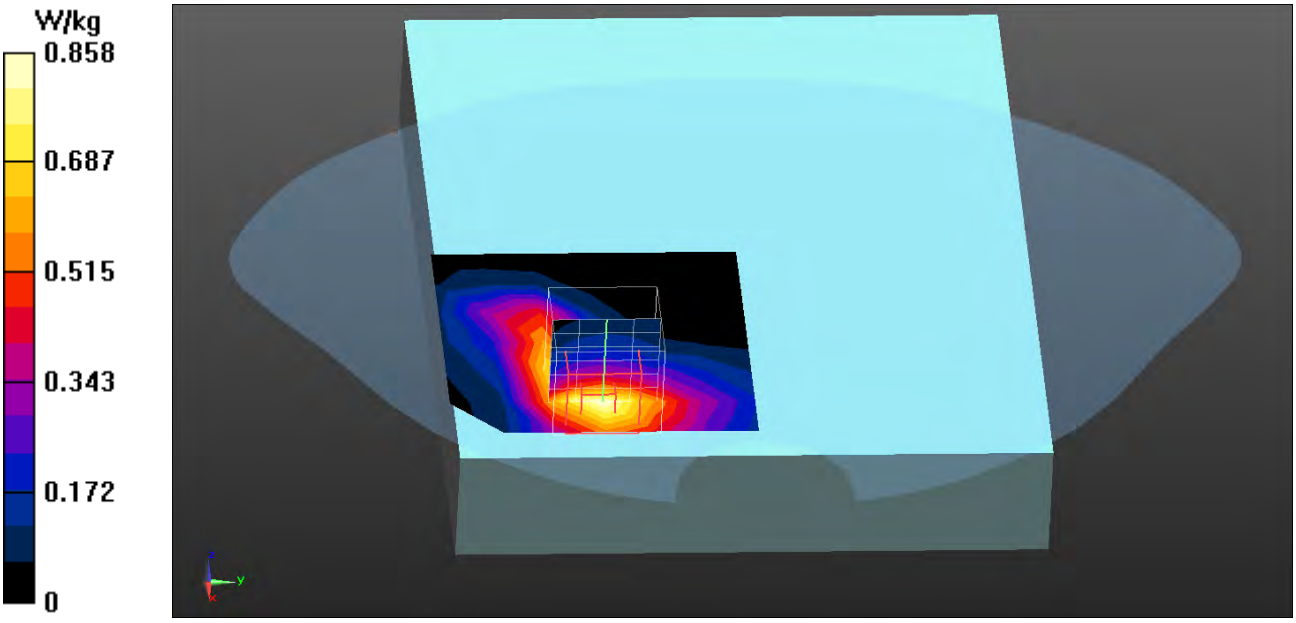
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20300_50RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1745 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1745 MHz; σ = 1.49 S/m; ε_r = 55.02; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.858 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.9060 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.738 W/kg; SAR(10 g) = 0.455 W/kg
Maximum value of SAR (measured) = 0.873 W/kg



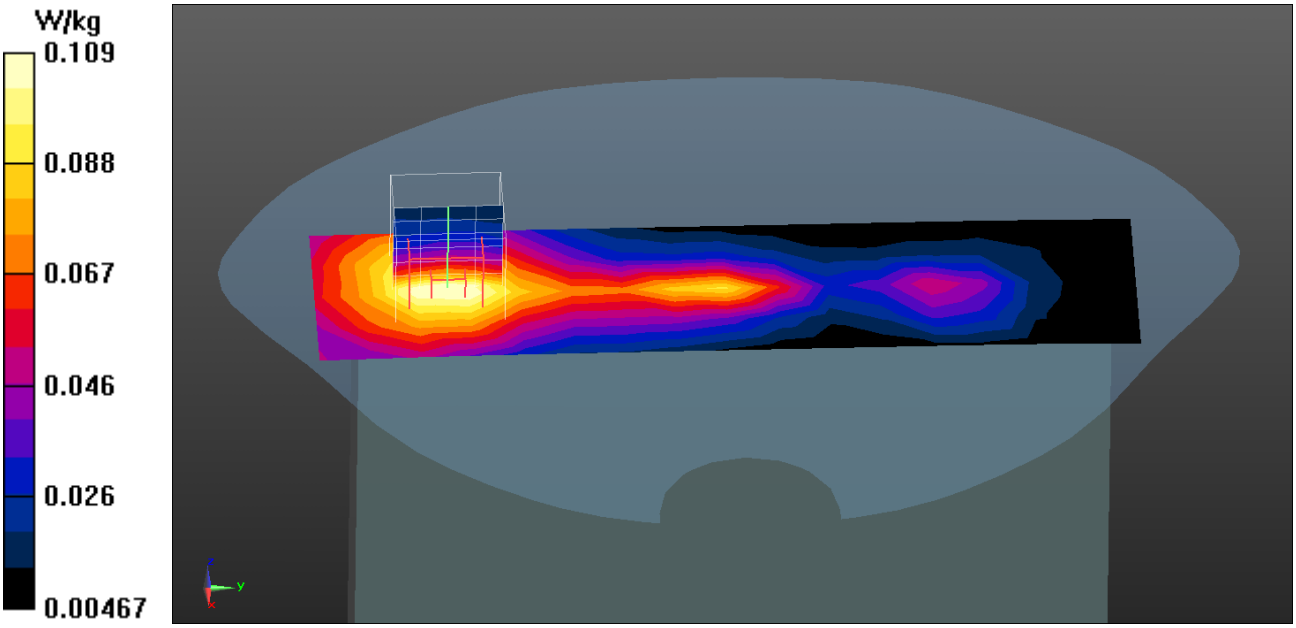
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_1RB-99-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.109 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.022 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.067 W/kg
Maximum value of SAR (measured) = 0.116 W/kg



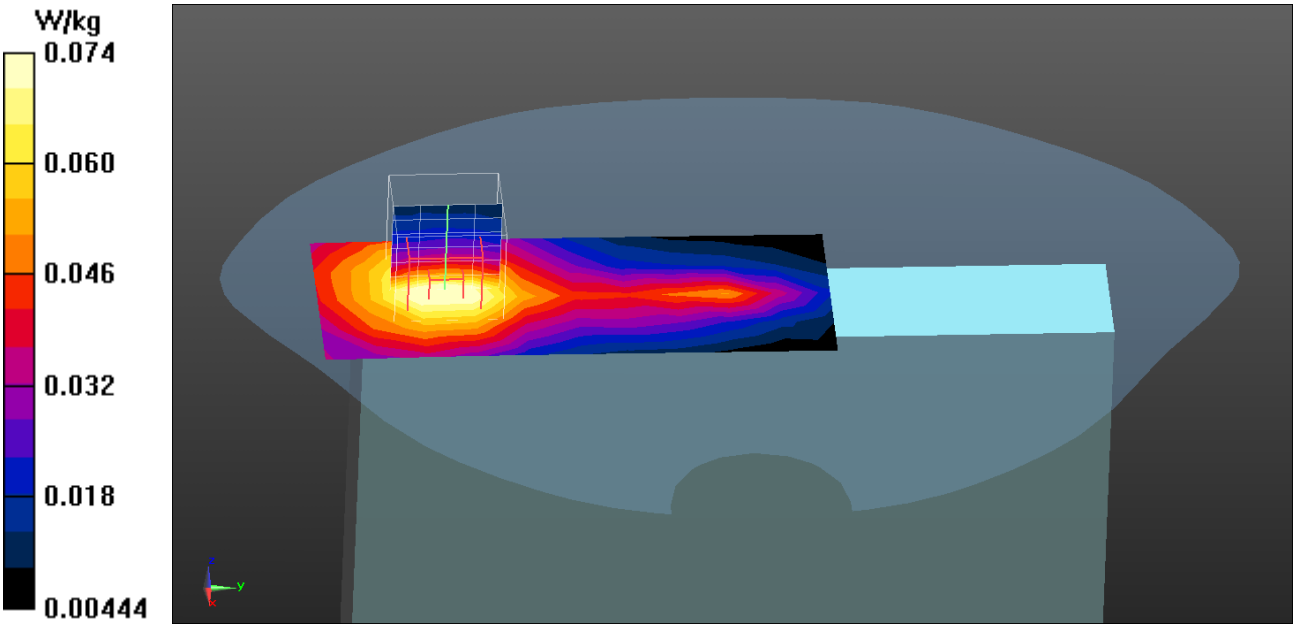
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_50RB-0-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0745 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.990 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.103 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.0808 W/kg



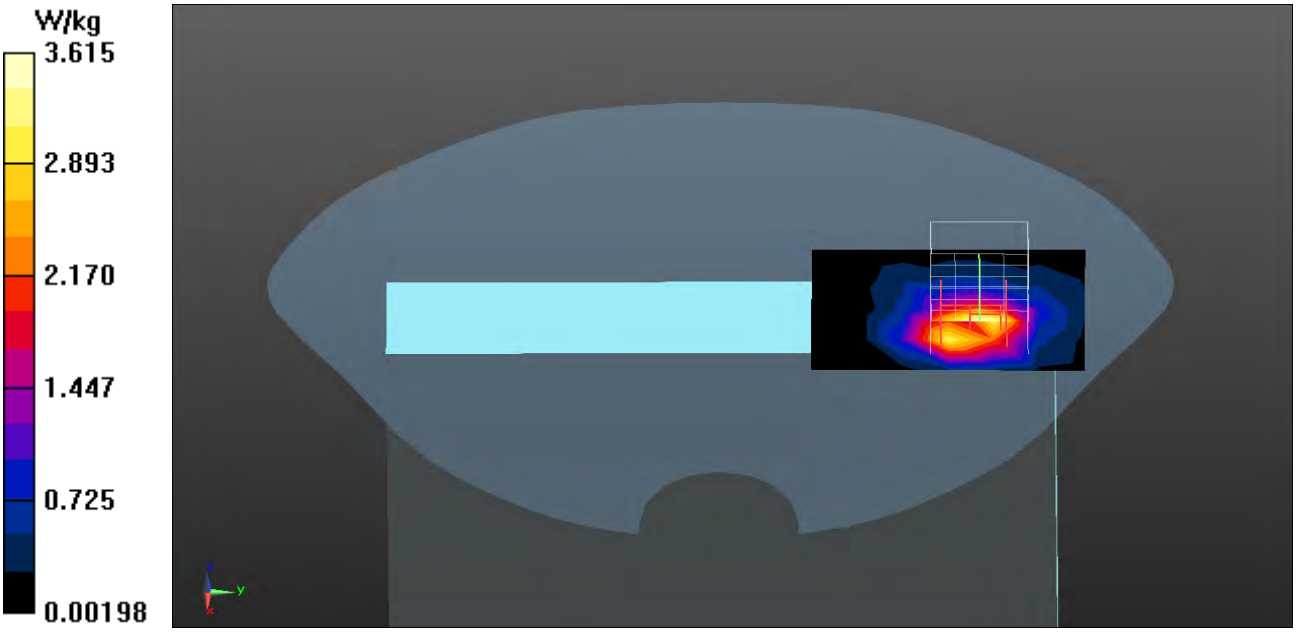
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20050_1RB-99-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1720 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1720 MHz; σ = 1.46 S/m; ε_r = 55.06; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.62 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.554 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 5.72 W/kg
SAR(1 g) = 3.18 W/kg; SAR(10 g) = 1.68 W/kg
Maximum value of SAR (measured) = 3.79 W/kg



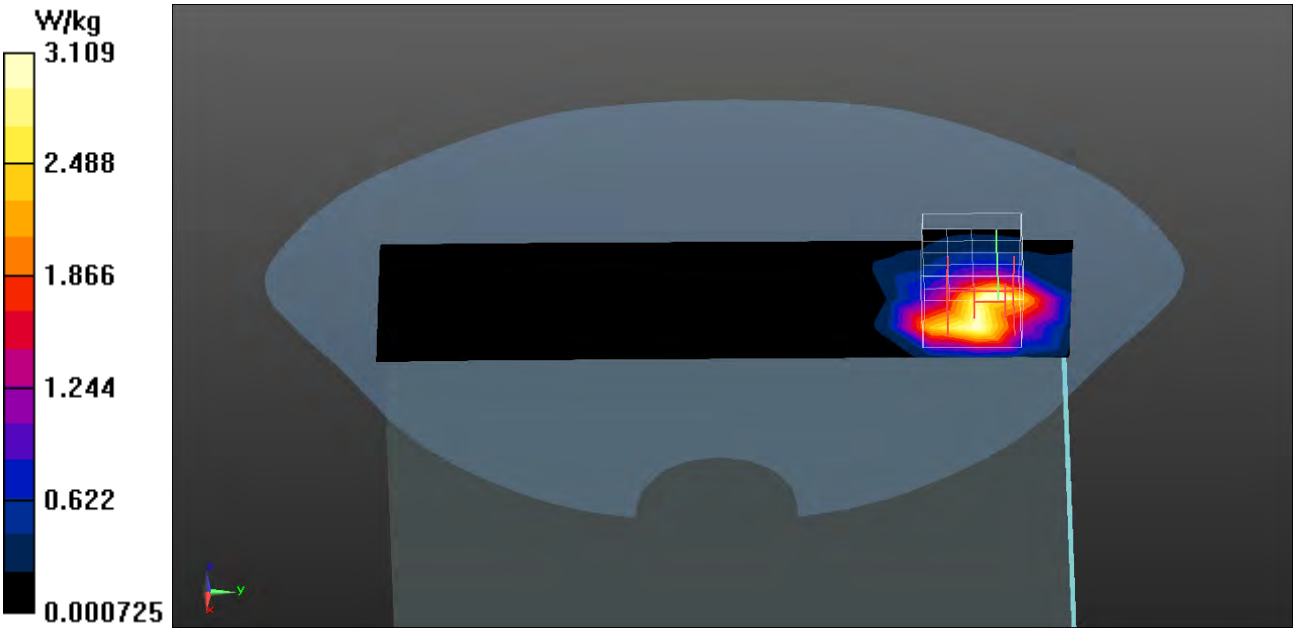
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_1RB-99-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.11 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.663 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 6.16 W/kg
SAR(1 g) = 3.35 W/kg; SAR(10 g) = 1.74 W/kg
Maximum value of SAR (measured) = 3.97 W/kg



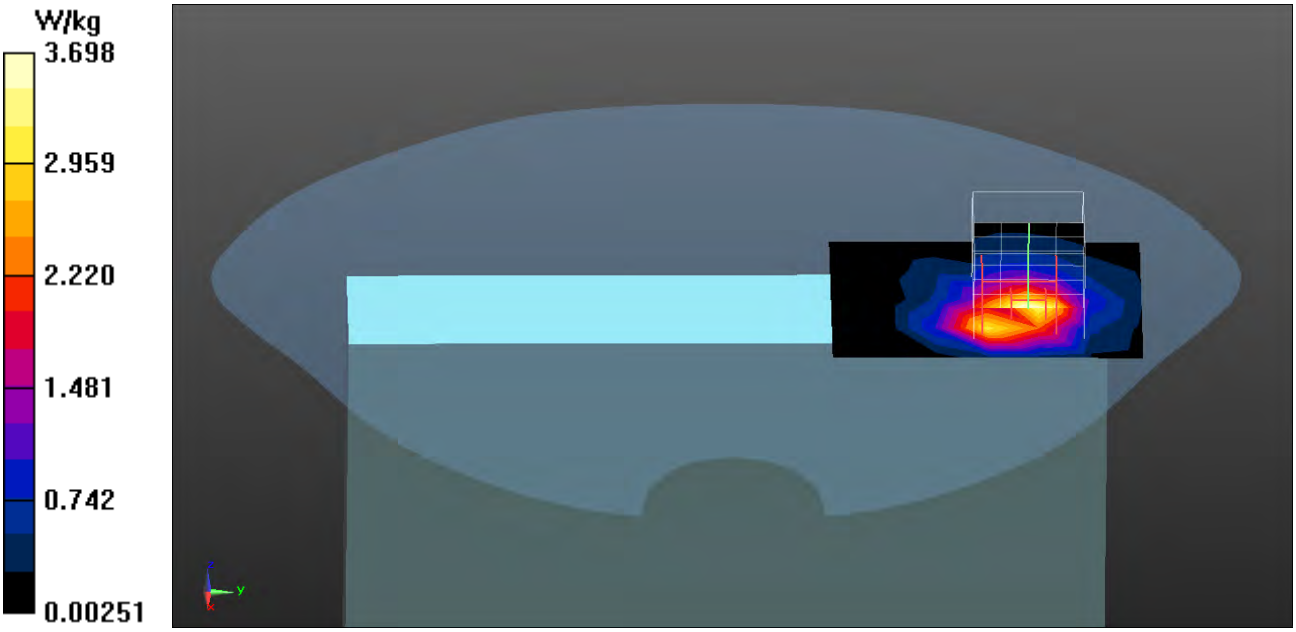
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20300_1RB-99-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1745 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1745 MHz; σ = 1.49 S/m; ε_r = 55.02; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.70 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.526 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 5.74 W/kg
SAR(1 g) = 3.2 W/kg; SAR(10 g) = 1.67 W/kg
Maximum value of SAR (measured) = 3.95 W/kg



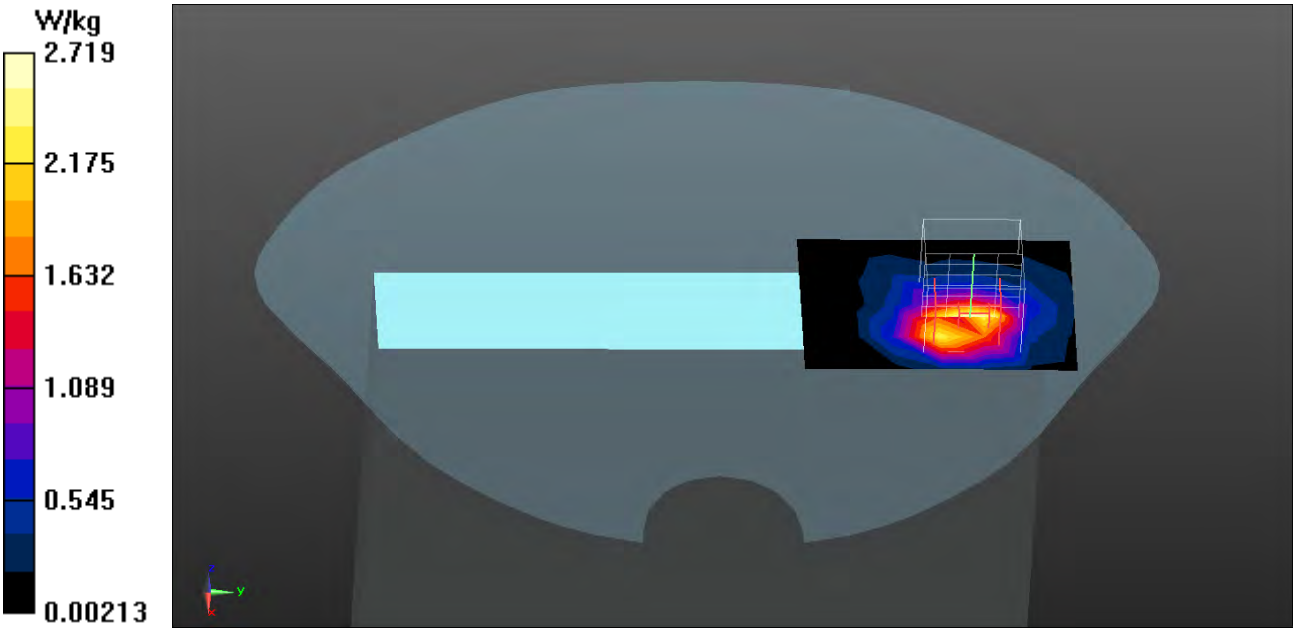
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_50RB-0-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.72 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.914 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 4.33 W/kg
SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.26 W/kg
Maximum value of SAR (measured) = 2.86 W/kg



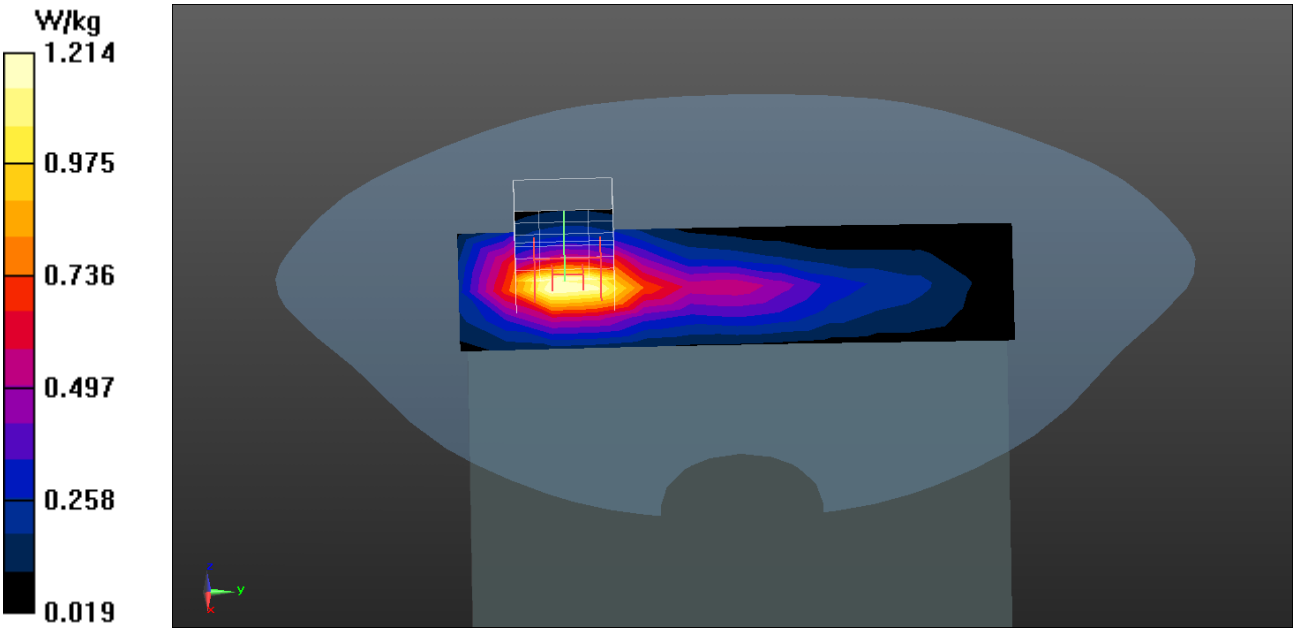
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_1RB-99-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.21 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.09 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.684 W/kg
Maximum value of SAR (measured) = 1.32 W/kg



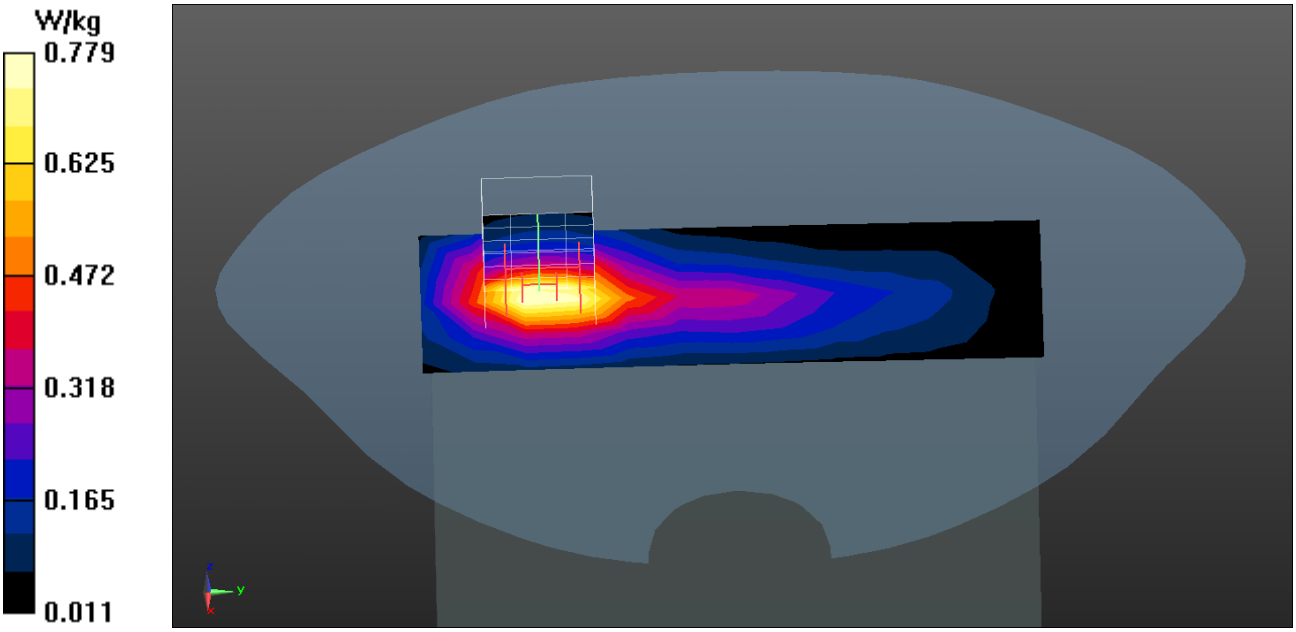
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_50RB-0-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

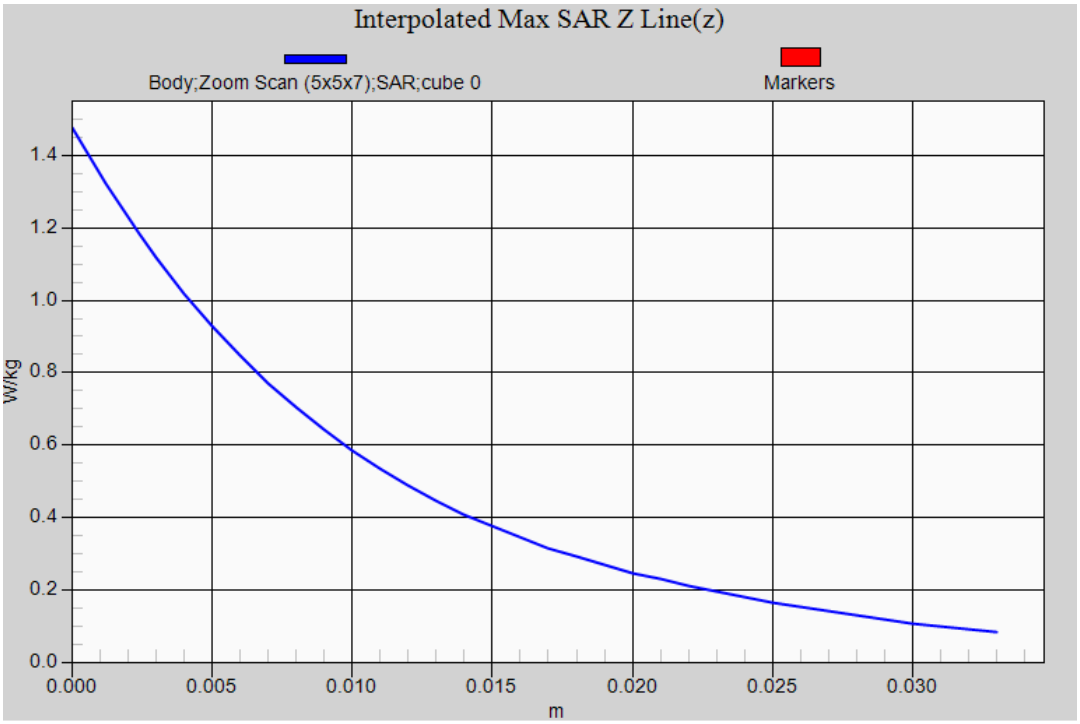
- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.779 W/kg

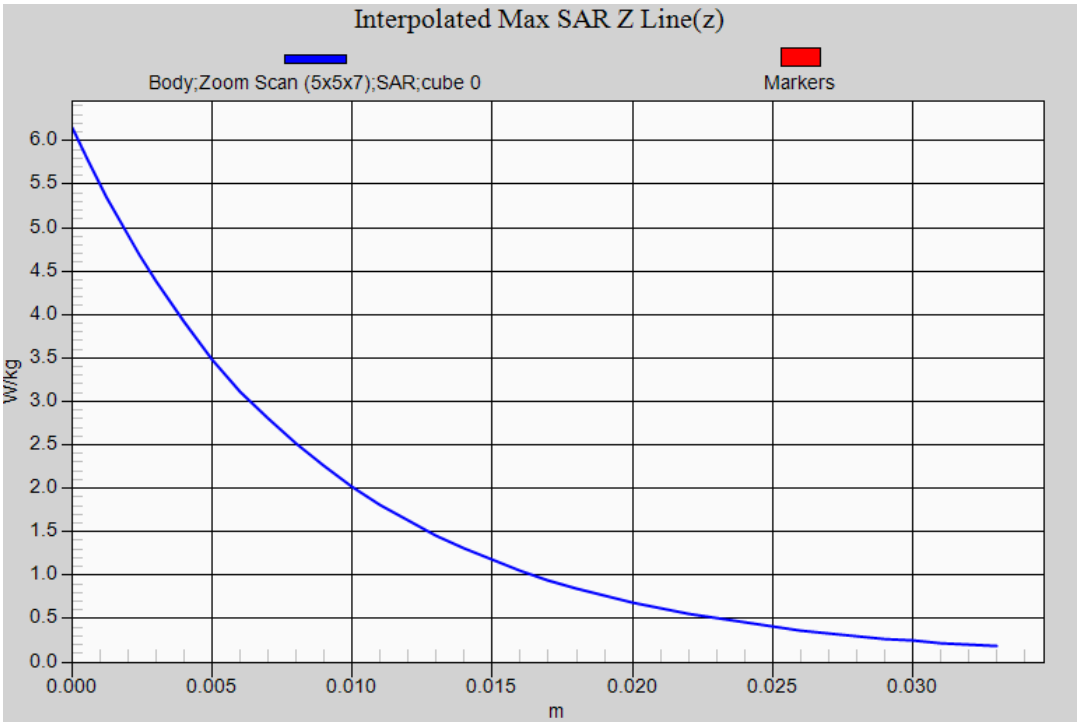
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.04 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.439 W/kg
Maximum value of SAR (measured) = 0.841 W/kg



LTE Band 4 QPSK 1RB (Body SAR) EUT Back (6mm Pwr ON) Z-Axis plot
Channel: 20175



LTE Band 4 QPSK 1RB (Limbs SAR) EUT Top (0mm Pwr OFF) Z-Axis plot
Channel: 20175



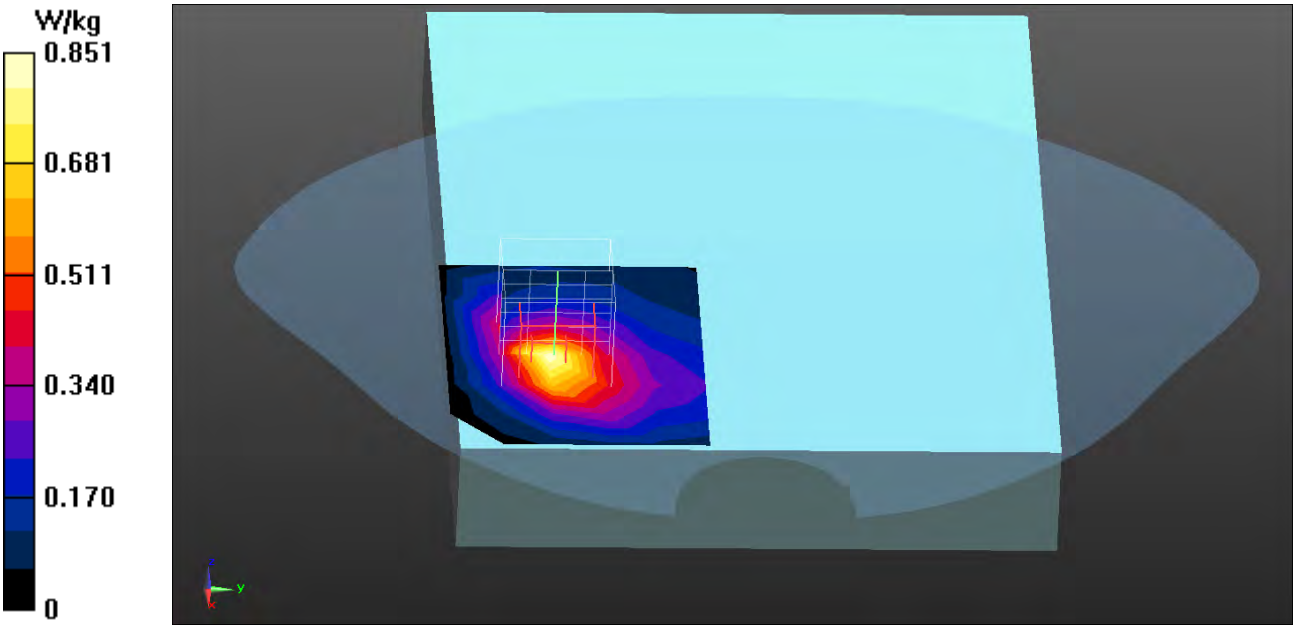
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20450_1RB-49-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 829 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 829 MHz; σ = 1 S/m; ε_r = 56.22; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.851 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.098 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.713 W/kg; SAR(10 g) = 0.439 W/kg
Maximum value of SAR (measured) = 0.833 W/kg



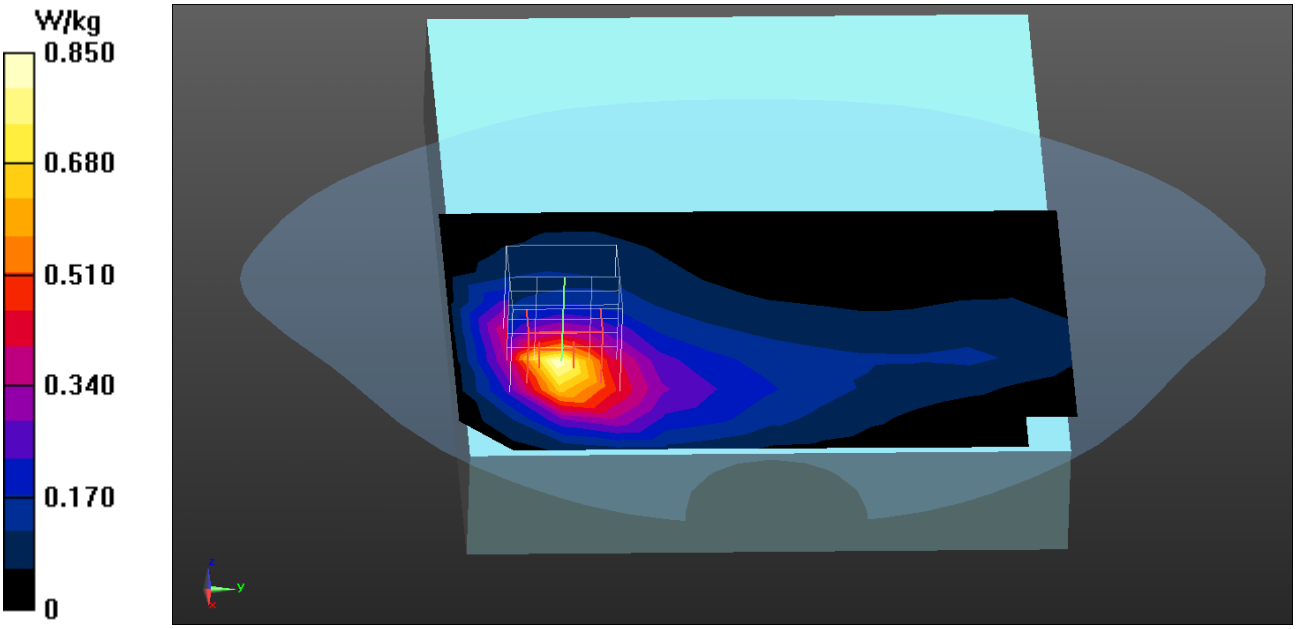
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20525_1RB-0-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 836.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.5 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.850 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.953 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.439 W/kg
Maximum value of SAR (measured) = 0.830 W/kg



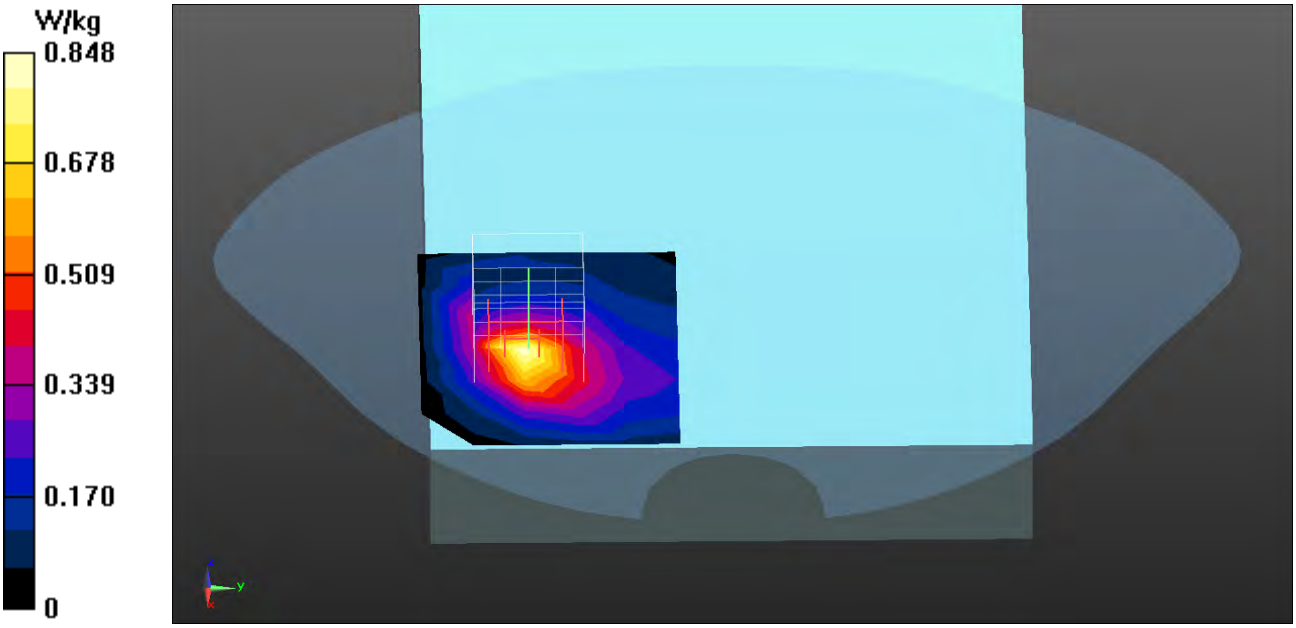
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20600_1RB-49-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 844 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 844 MHz; σ = 1.02 S/m; ε_r = 56.09; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.848 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.872 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.431 W/kg
Maximum value of SAR (measured) = 0.824 W/kg



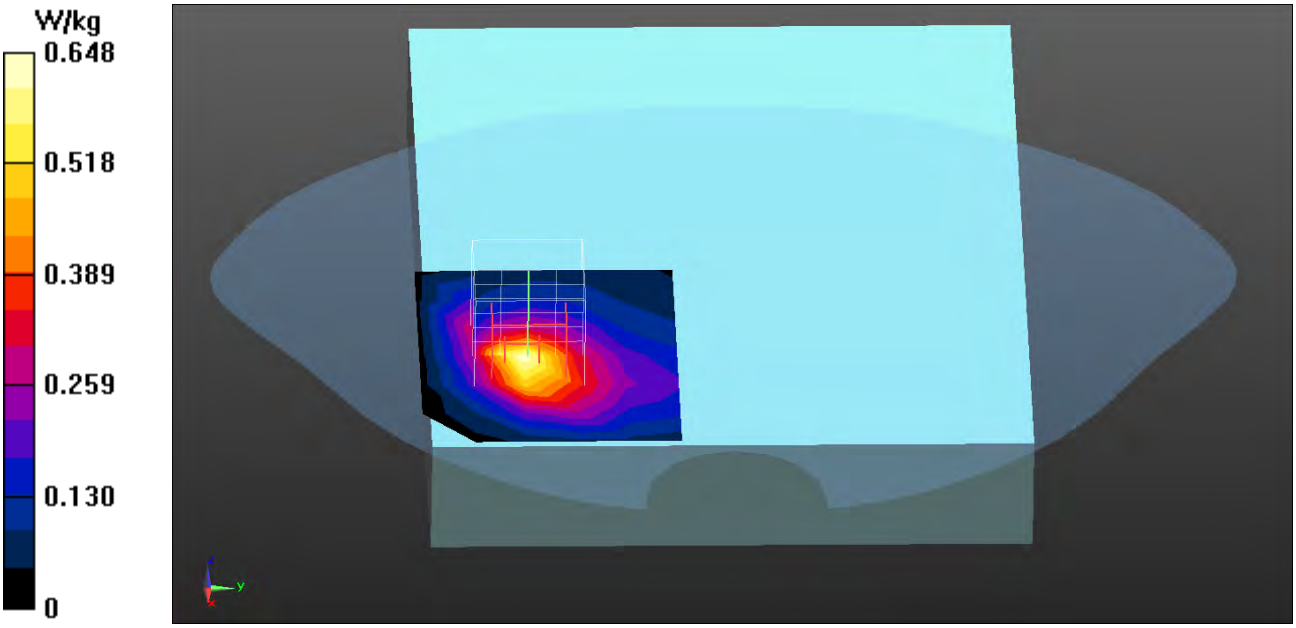
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20450_25RB-25-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 829 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 829 MHz; σ = 1 S/m; ε_r = 56.22; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.648 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.877 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.842 W/kg
SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.335 W/kg
Maximum value of SAR (measured) = 0.634 W/kg



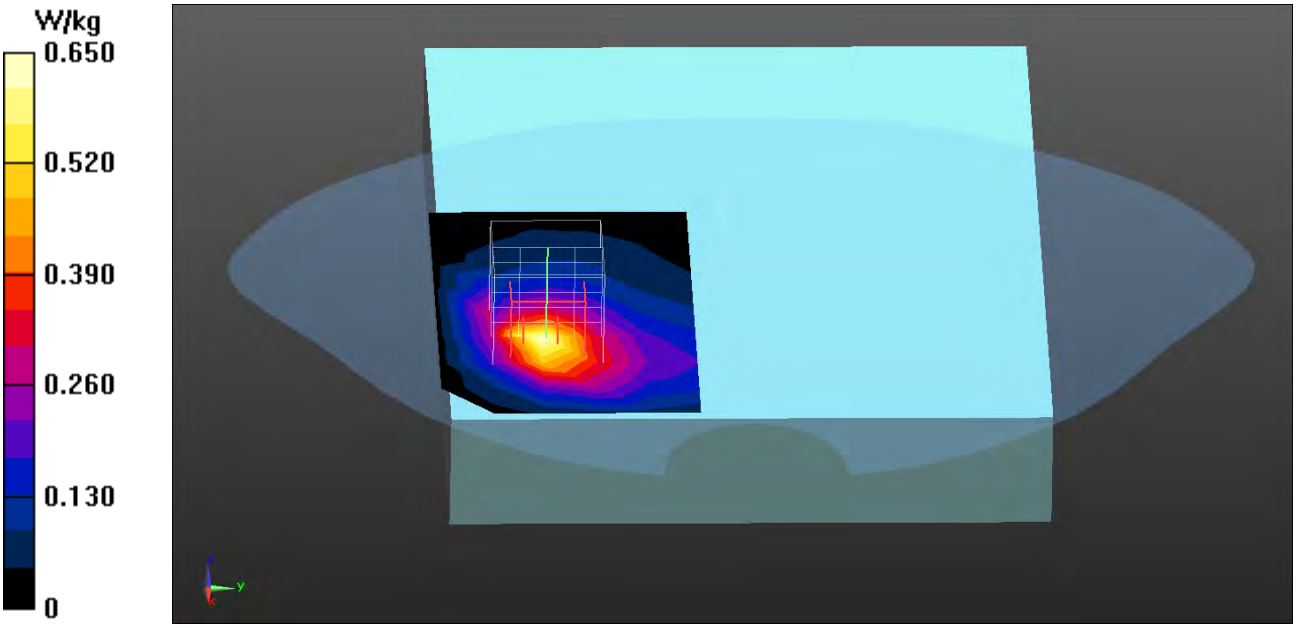
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20525_25RB-0-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 836.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.5 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.650 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.965 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.844 W/kg
SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.334 W/kg
Maximum value of SAR (measured) = 0.634 W/kg



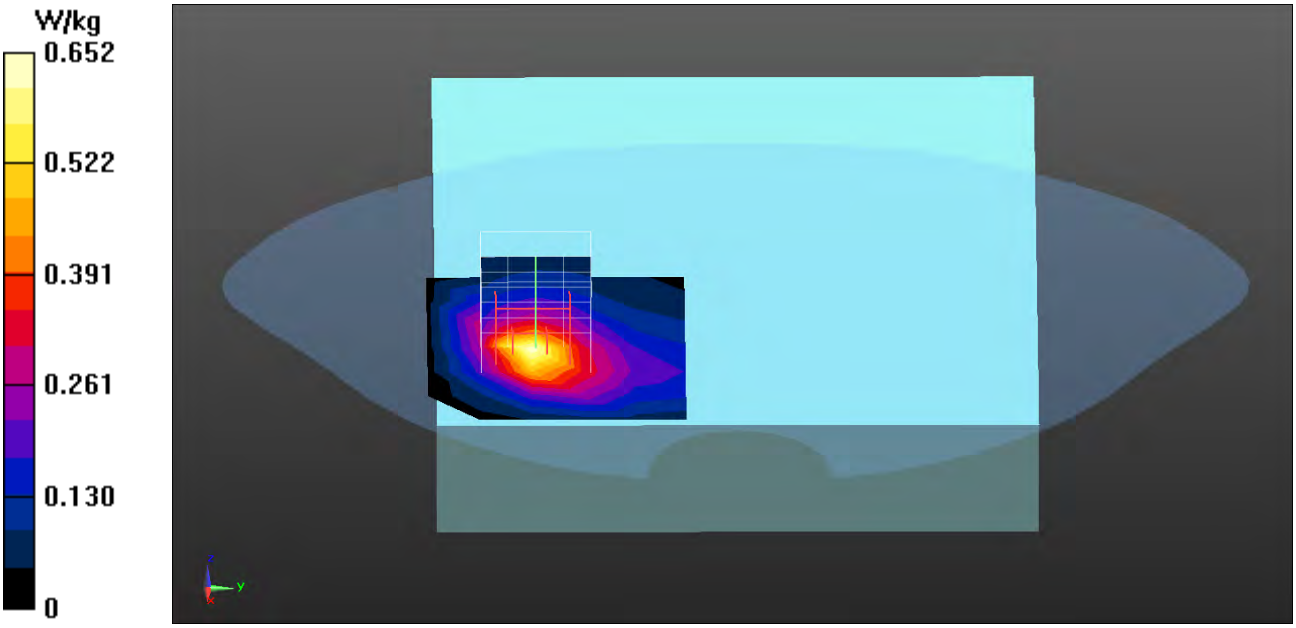
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20600_25RB-25-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 844 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 844 MHz; σ = 1.02 S/m; ε_r = 56.09; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.652 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.655 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.855 W/kg
SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.334 W/kg
Maximum value of SAR (measured) = 0.639 W/kg



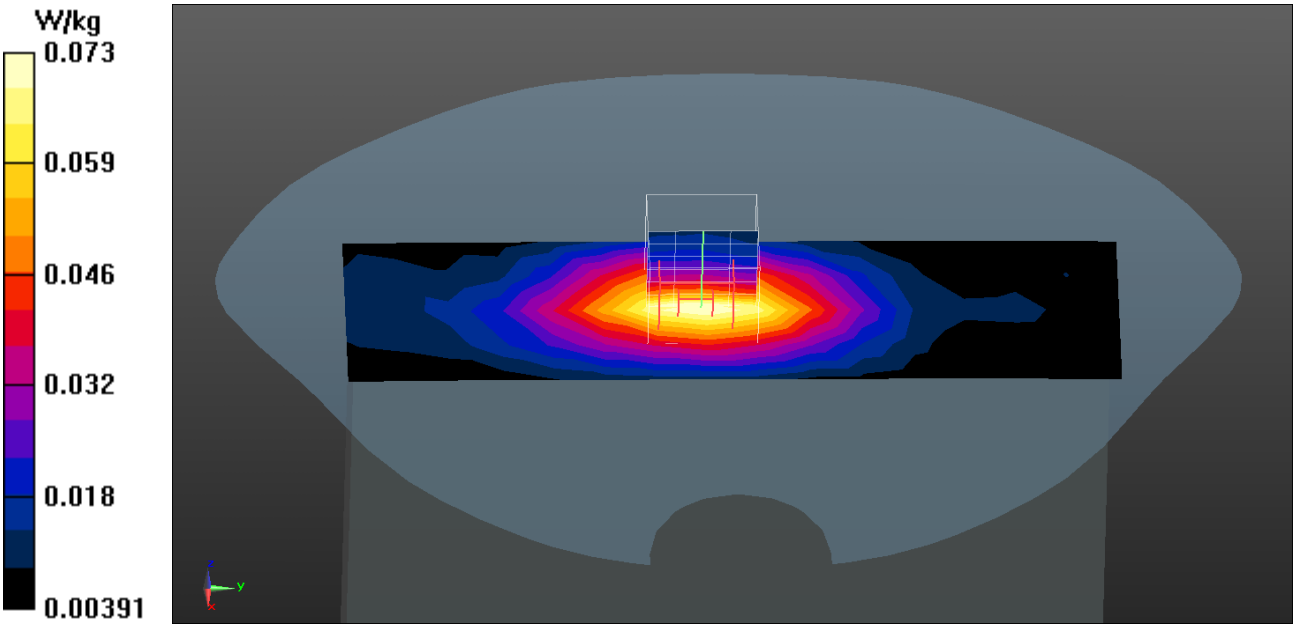
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20525_1RB-0-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 836.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.5 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0734 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.477 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.045 W/kg
Maximum value of SAR (measured) = 0.0774 W/kg



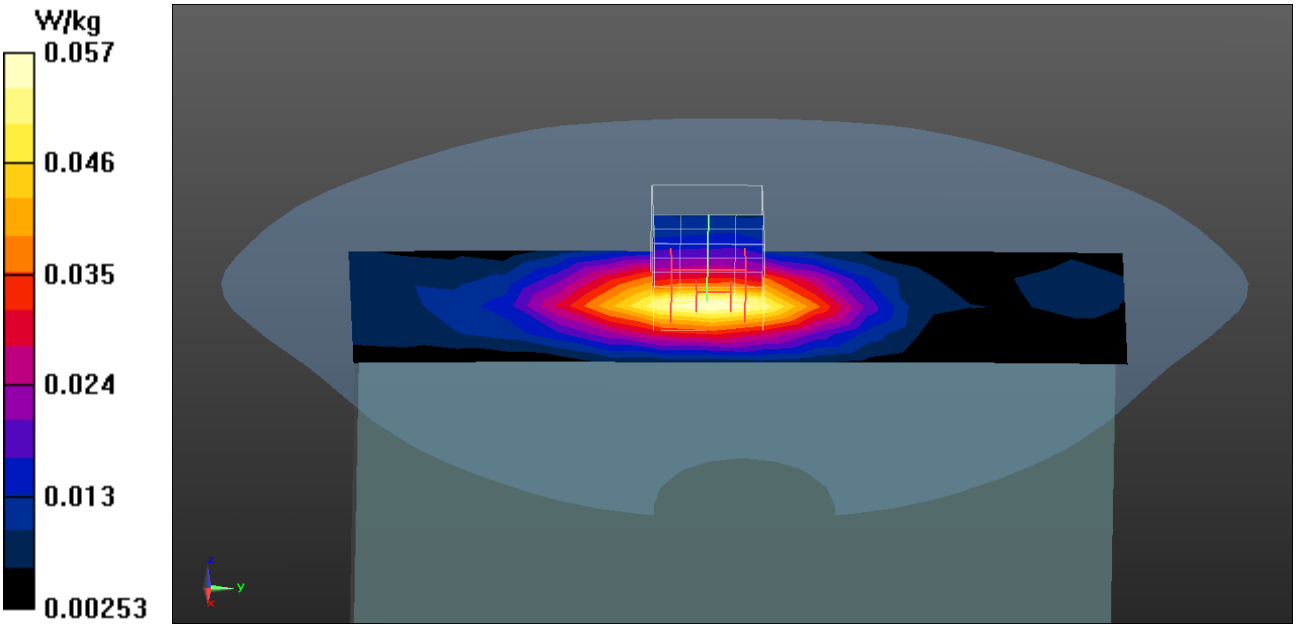
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20525_25RB-0-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 836.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.5 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0566 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.068 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.0730 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.033 W/kg
Maximum value of SAR (measured) = 0.0565 W/kg



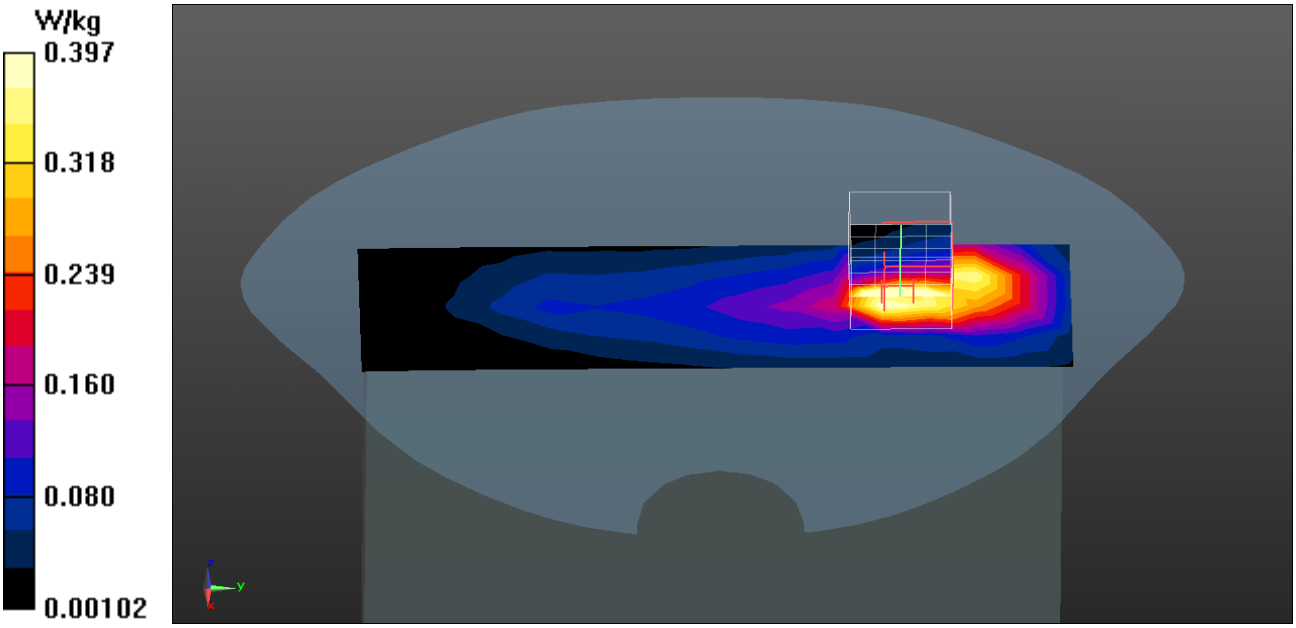
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20525_1RB-0-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 836.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.5 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.397 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.57 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.994 W/kg
SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.229 W/kg
Maximum value of SAR (measured) = 0.597 W/kg



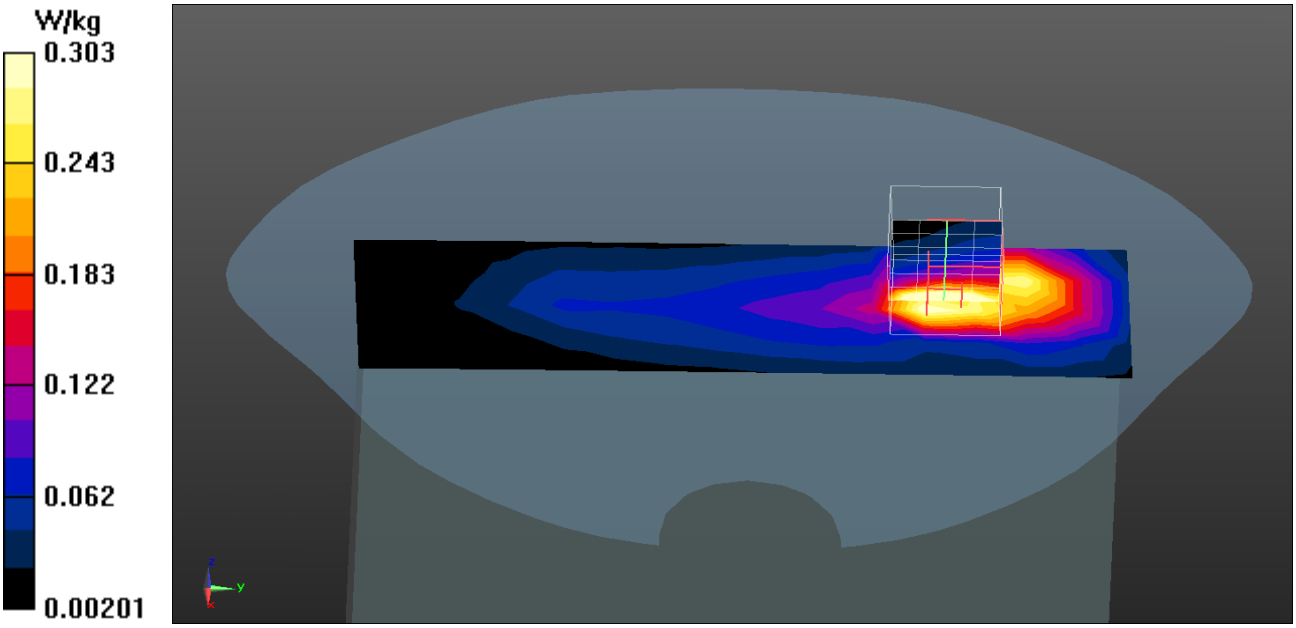
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20525_25RB-0-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 836.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.5 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.303 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.190 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.752 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.173 W/kg
Maximum value of SAR (measured) = 0.456 W/kg



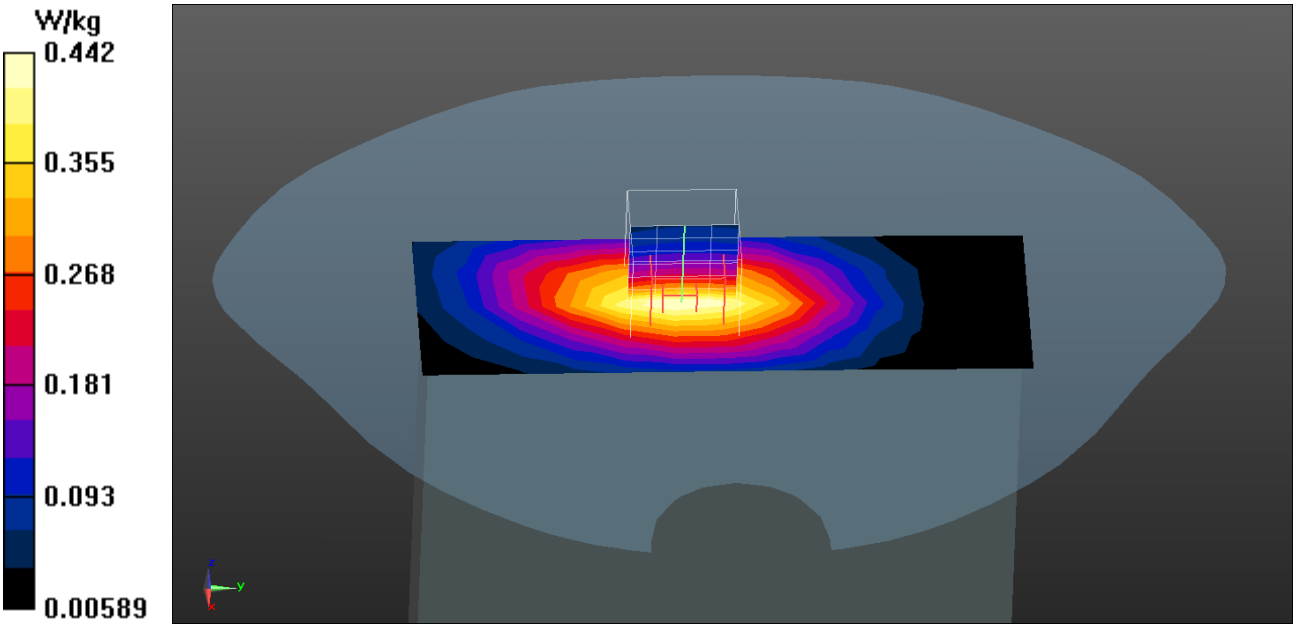
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20525_1RB-0-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 836.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.5 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.442 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.01 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.556 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.266 W/kg
Maximum value of SAR (measured) = 0.446 W/kg



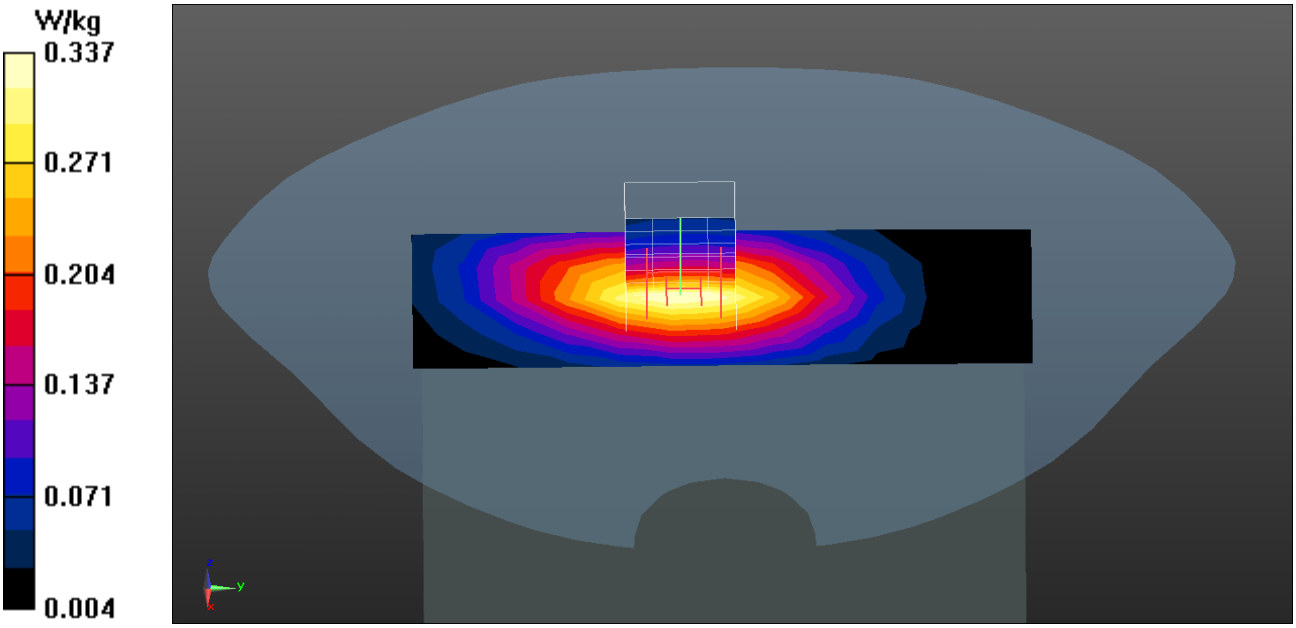
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B5_QPSK_10M_20525_25RB-0-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band5; Frequency: 836.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 836.5 MHz; σ = 1.01 S/m; ε_r = 56.15; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

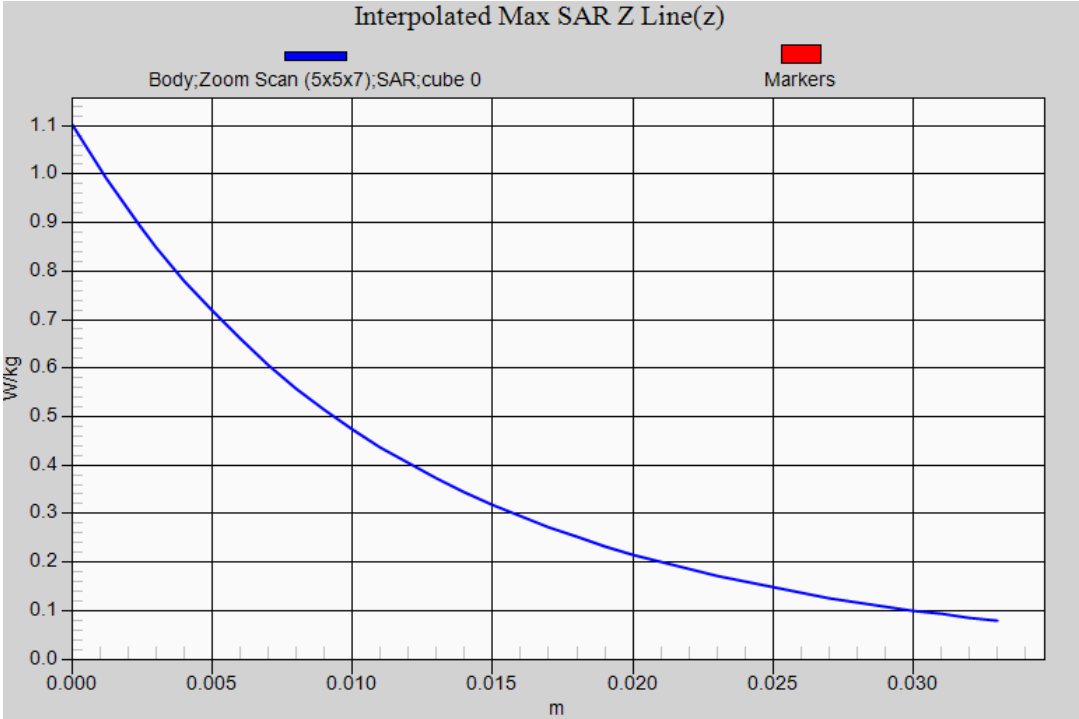
- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.337 W/kg

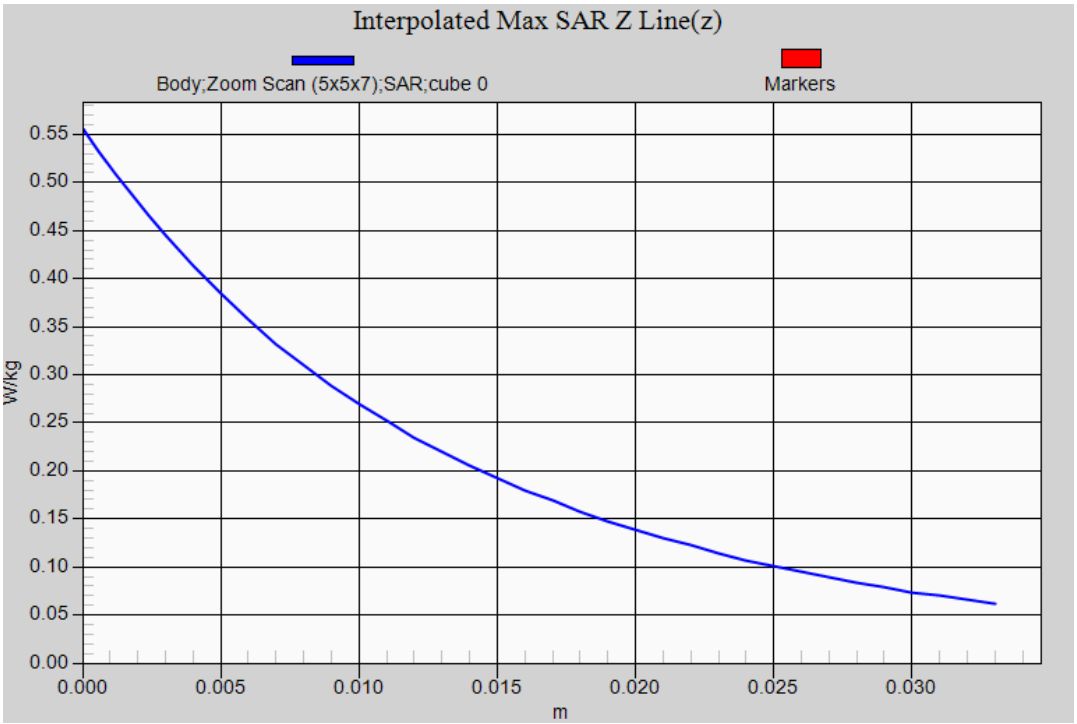
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.20 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.429 W/kg
SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.205 W/kg
Maximum value of SAR (measured) = 0.345 W/kg



LTE Band 5 QPSK 1RB (Body SAR) EUT Back (0mm Pwr OFF) Z-Axis plot
Channel: 20450



LTE Band 5 QPSK 1RB (Limbs SAR) EUT Right-side (0mm Pwr OFF) Z-Axis plot
Channel: 20525



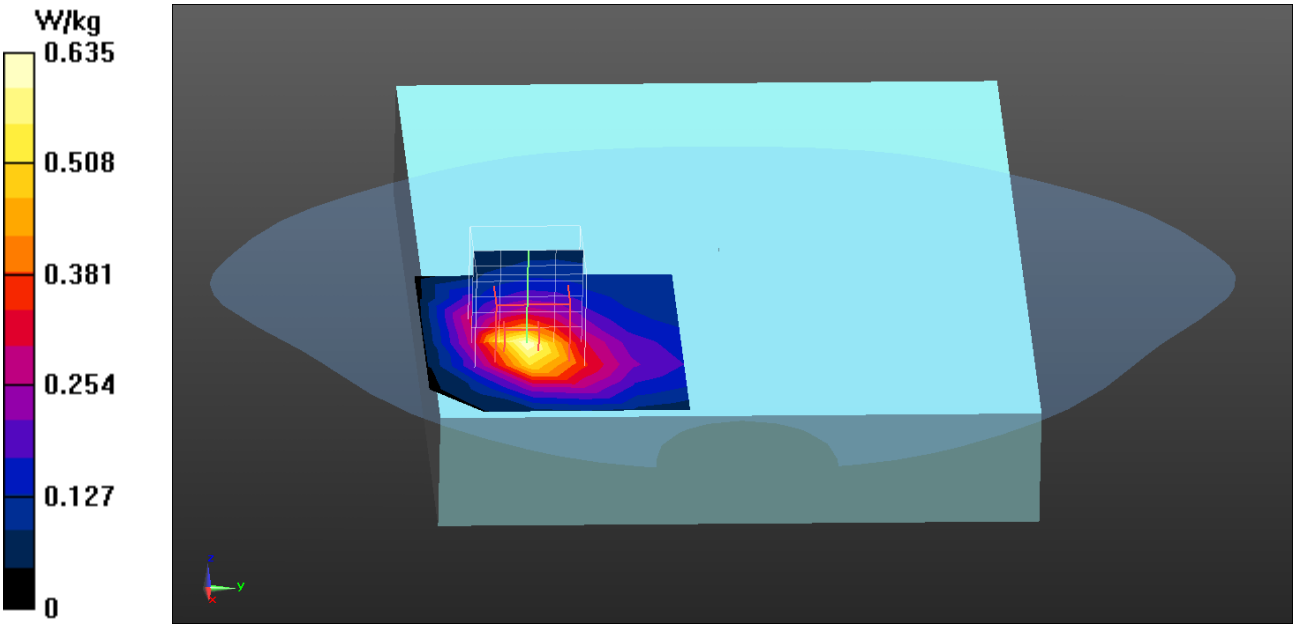
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23780_1RB-49-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 709 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 709 MHz; σ = 0.92 S/m; ε_r = 57.48; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.635 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.07 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.824 W/kg
SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.334 W/kg
Maximum value of SAR (measured) = 0.630 W/kg



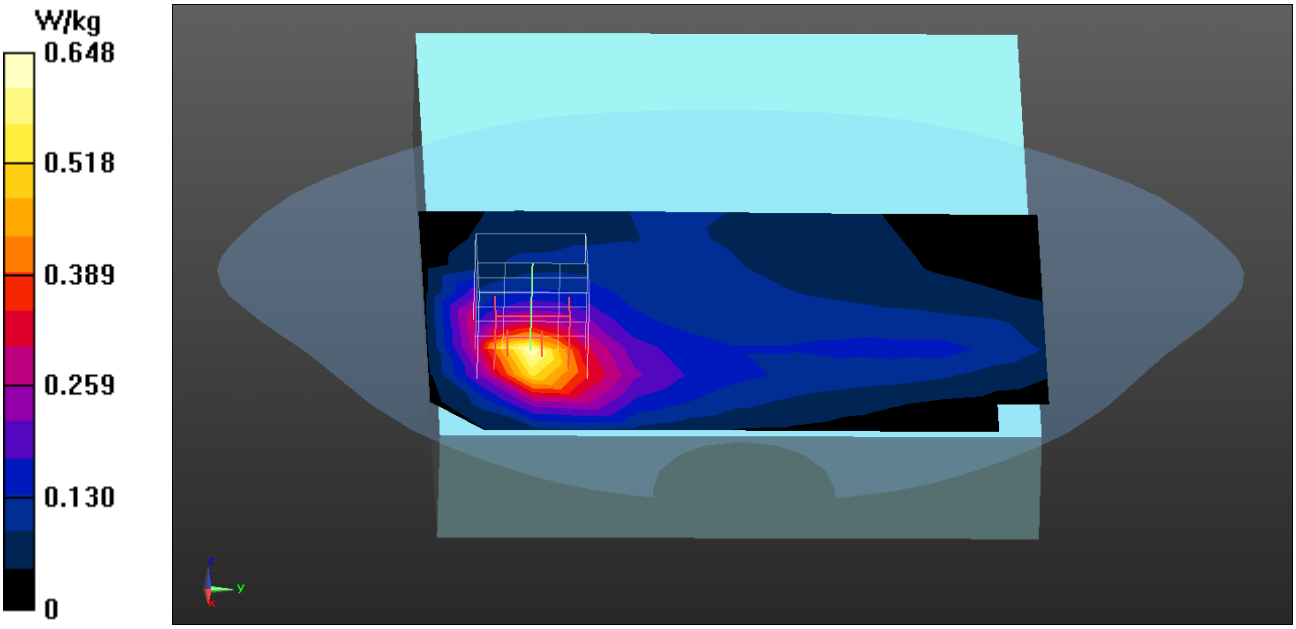
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23790_1RB-49-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 710 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 710 MHz; σ = 0.92 S/m; ε_r = 57.46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.648 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.30 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.854 W/kg
SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.345 W/kg
Maximum value of SAR (measured) = 0.653 W/kg



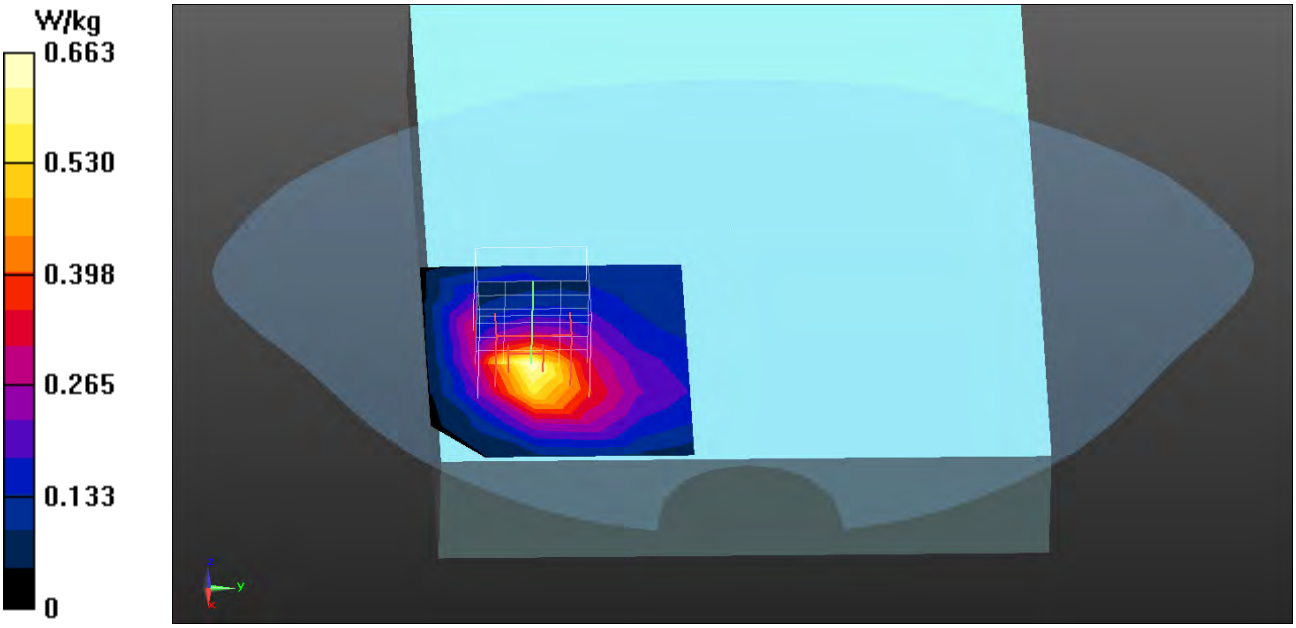
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23800_1RB-49-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 711 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 711 MHz; σ = 0.92 S/m; ε_r = 57.44; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.663 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.22 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.876 W/kg
SAR(1 g) = 0.566 W/kg; SAR(10 g) = 0.353 W/kg
Maximum value of SAR (measured) = 0.668 W/kg



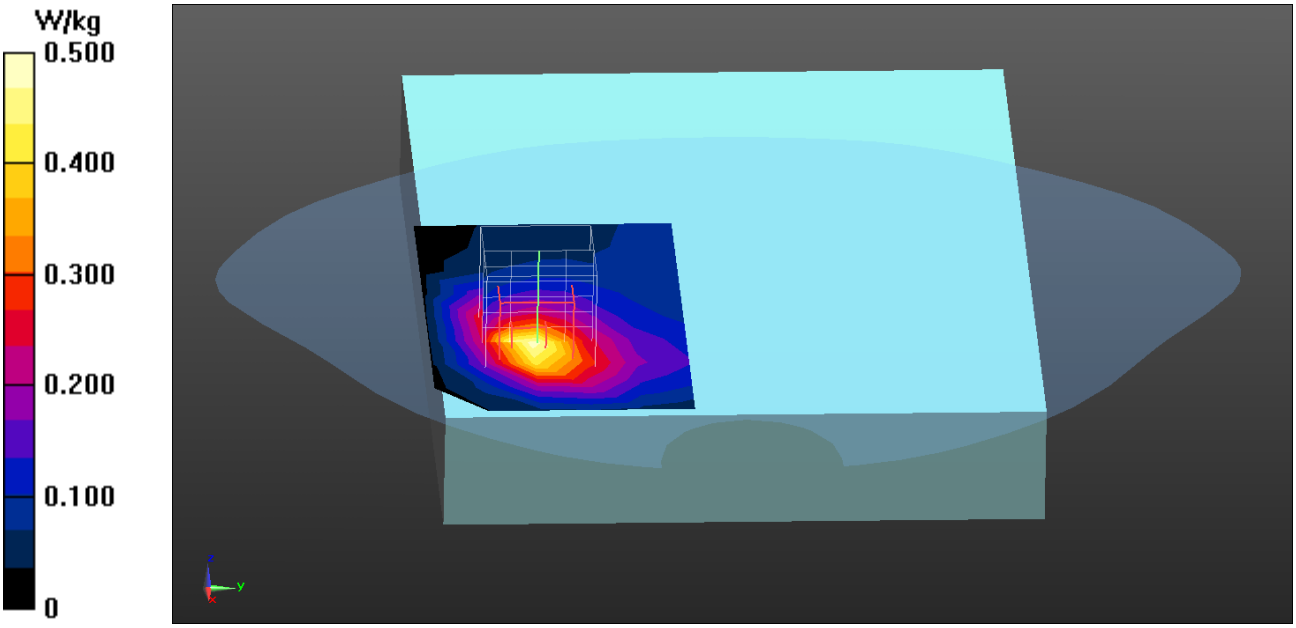
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23790_25RB-0-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 710 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 710 MHz; σ = 0.92 S/m; ε_r = 57.46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.500 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.085 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.654 W/kg
SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.266 W/kg
Maximum value of SAR (measured) = 0.485 W/kg



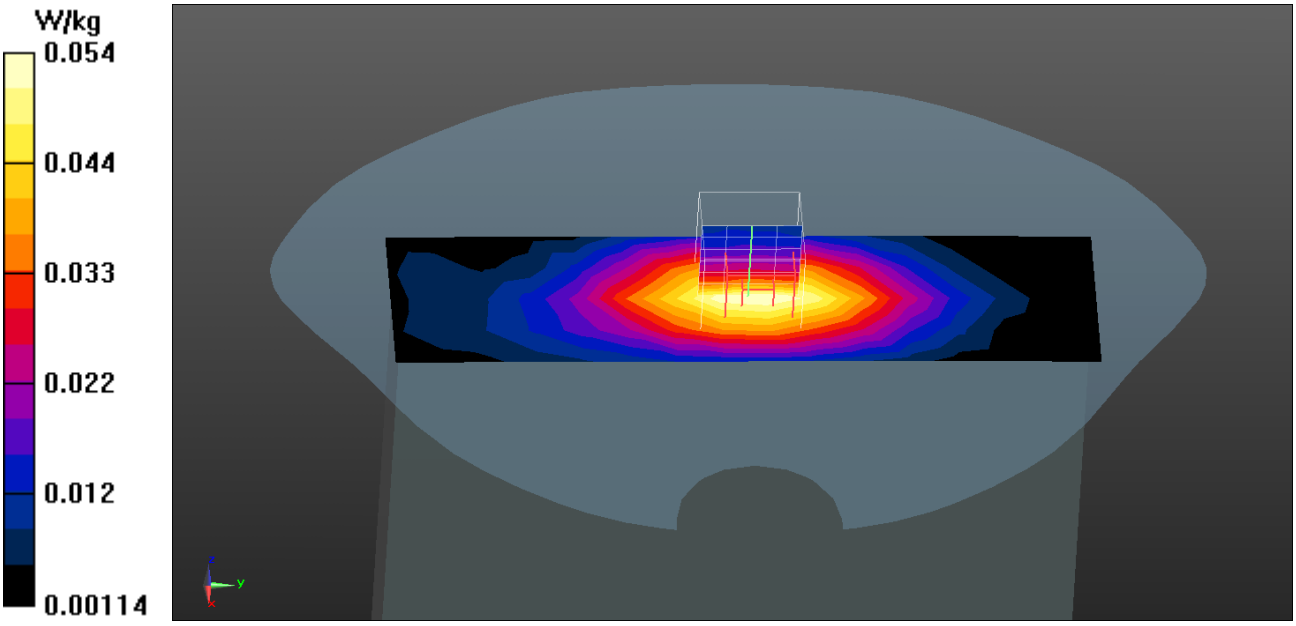
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23790_1RB-49-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 710 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 710 MHz; σ = 0.92 S/m; ε_r = 57.46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0542 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.858 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.0680 W/kg
SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.033 W/kg
Maximum value of SAR (measured) = 0.0532 W/kg



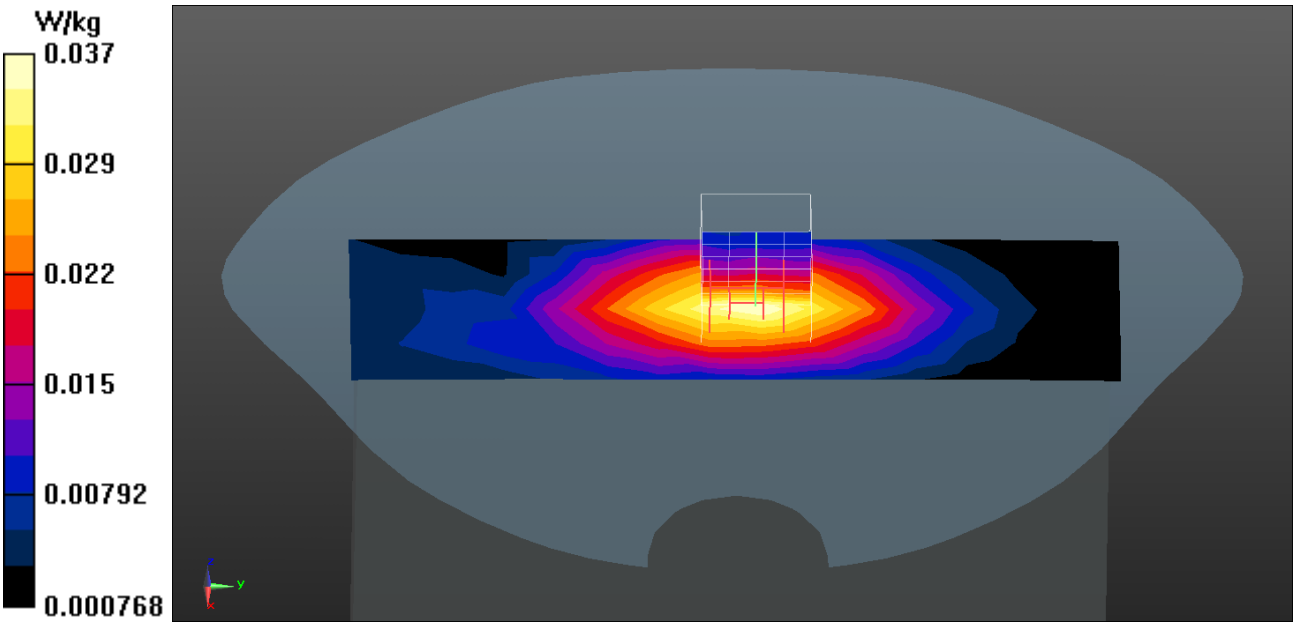
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23790_25RB-0-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 710 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 710 MHz; σ = 0.92 S/m; ε_r = 57.57; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0365 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.327 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.0460 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.023 W/kg
Maximum value of SAR (measured) = 0.0324 W/kg



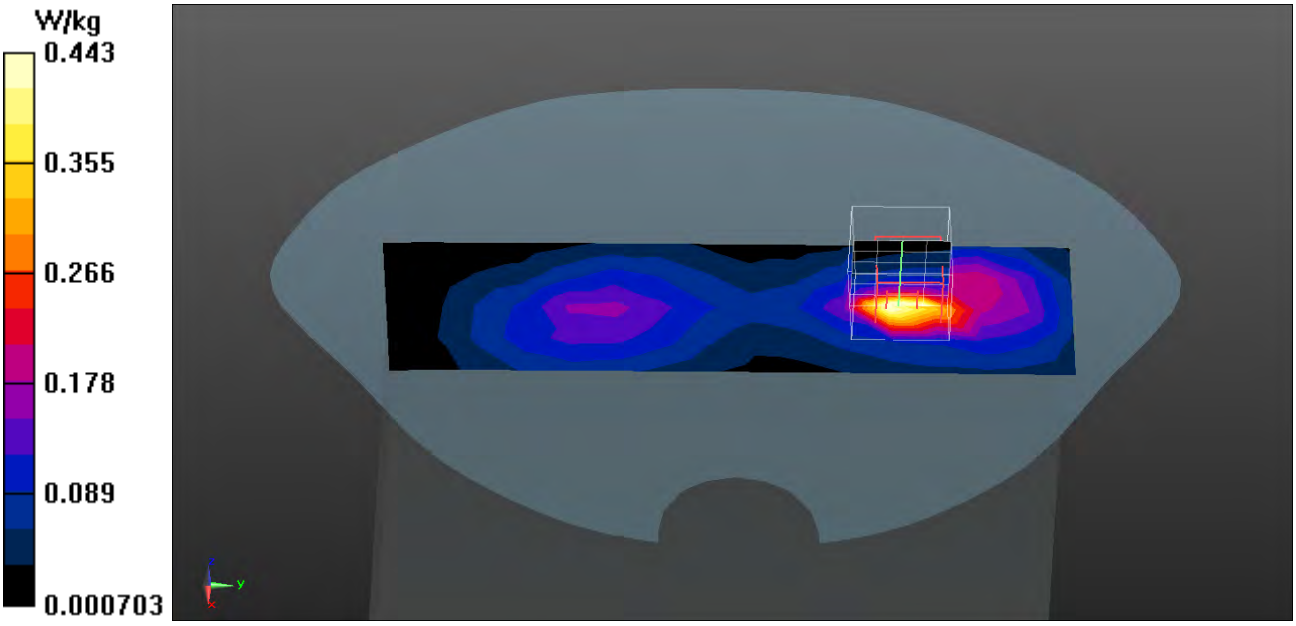
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23790_1RB-49-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 710 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 710 MHz; σ = 0.92 S/m; ε_r = 57.57; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.443 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.652 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.193 W/kg
Maximum value of SAR (measured) = 0.530 W/kg



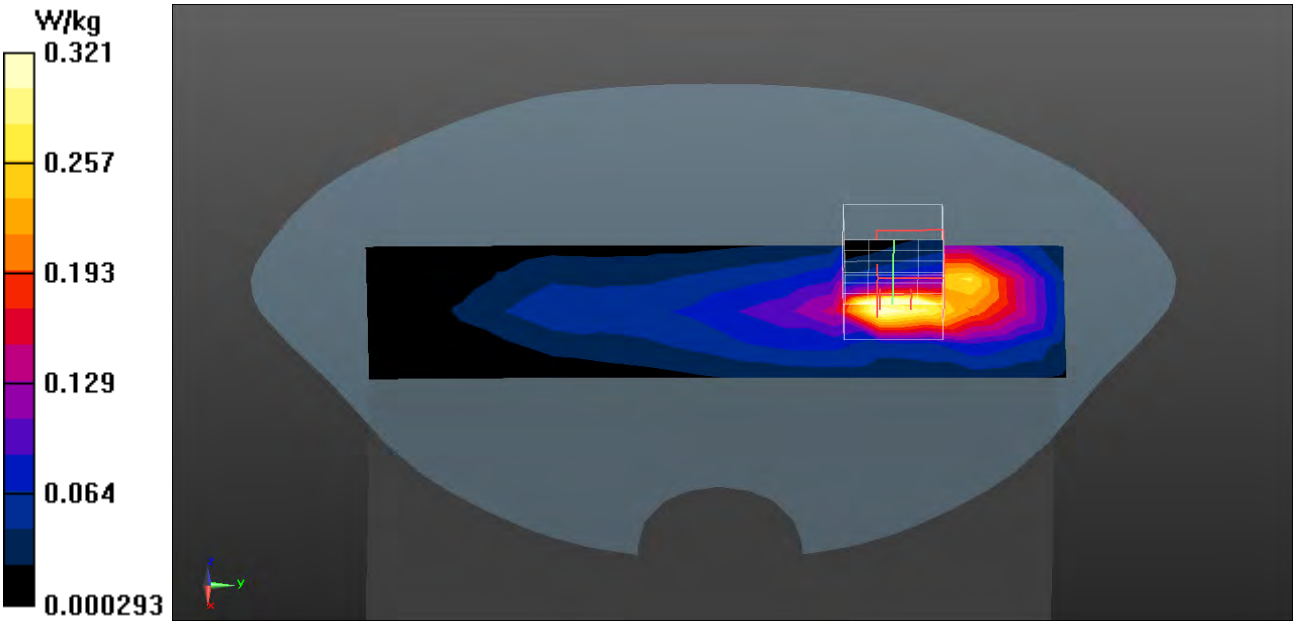
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23790_25RB-0-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 710 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 0.92 S/m; ε_r = 57.46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.321 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.875 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.739 W/kg
SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.169 W/kg
Maximum value of SAR (measured) = 0.429 W/kg



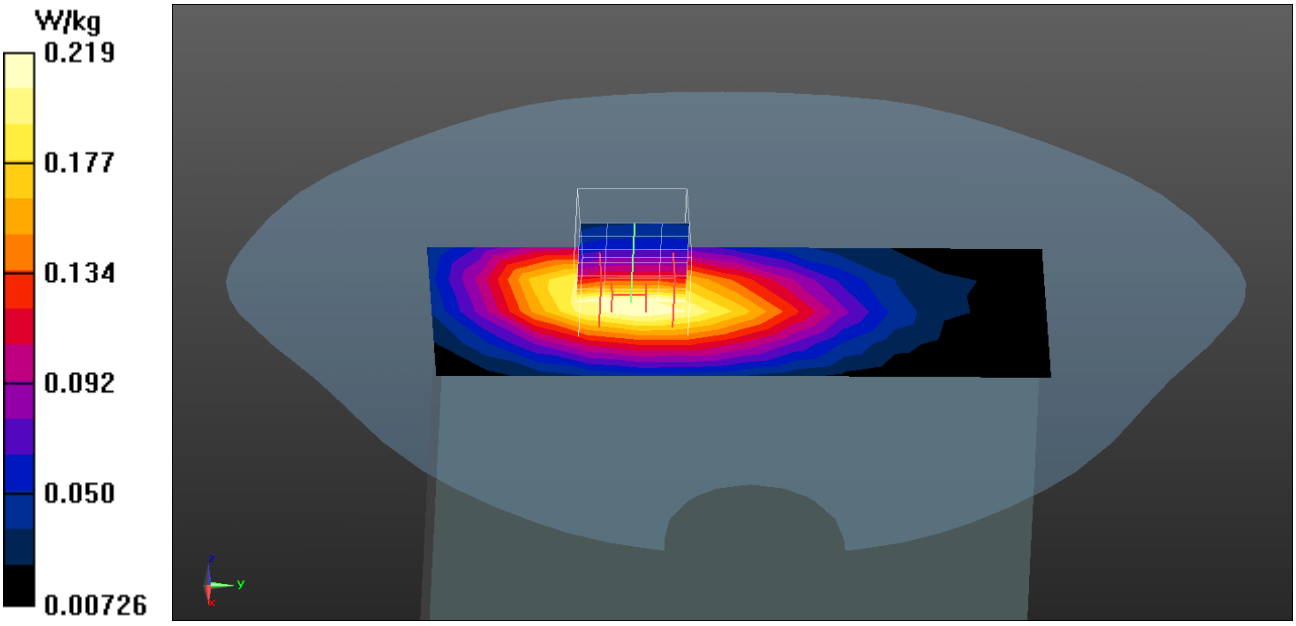
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23790_1RB-49-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 710 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 710 MHz; σ = 0.92 S/m; ε_r = 57.46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.219 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.76 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.230 W/kg



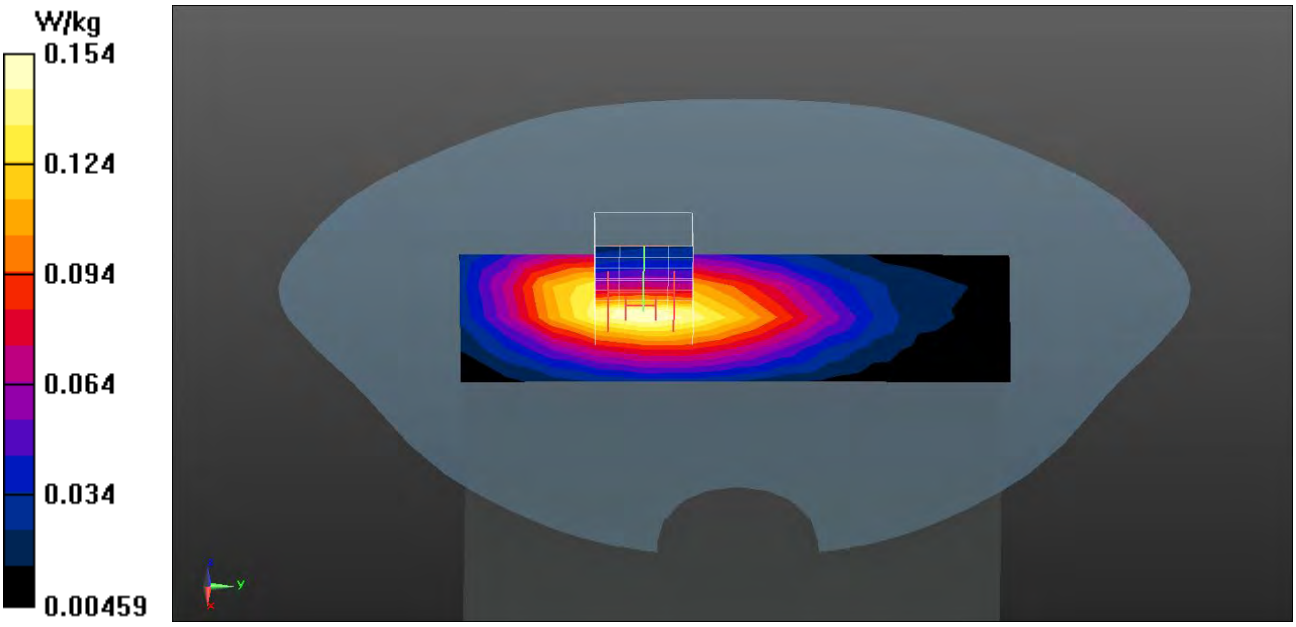
Test Laboratory: DEKRA Date/Time: 2018/07/17

LTE_B17_QPSK_10M_23790_25RB-0-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band17; Frequency: 710 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 710 MHz; σ = 0.92 S/m; ε_r = 57.57; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.9
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

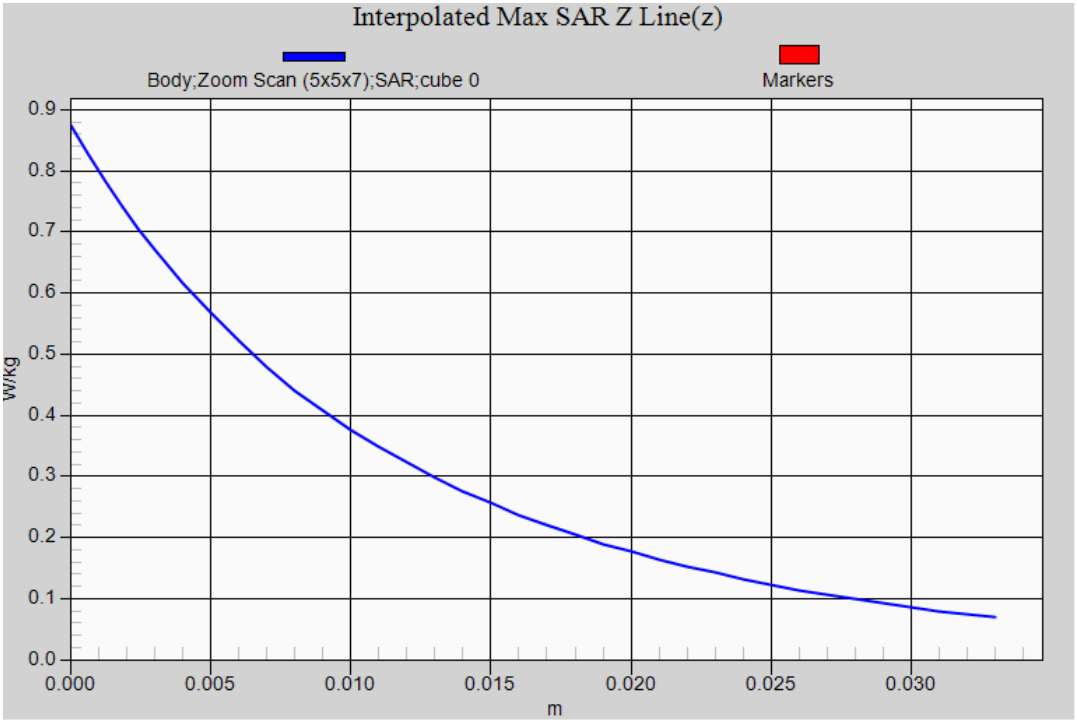
- Probe: EX3DV4 - SN3698; ConvF(9.17, 9.17, 9.17); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.154 W/kg

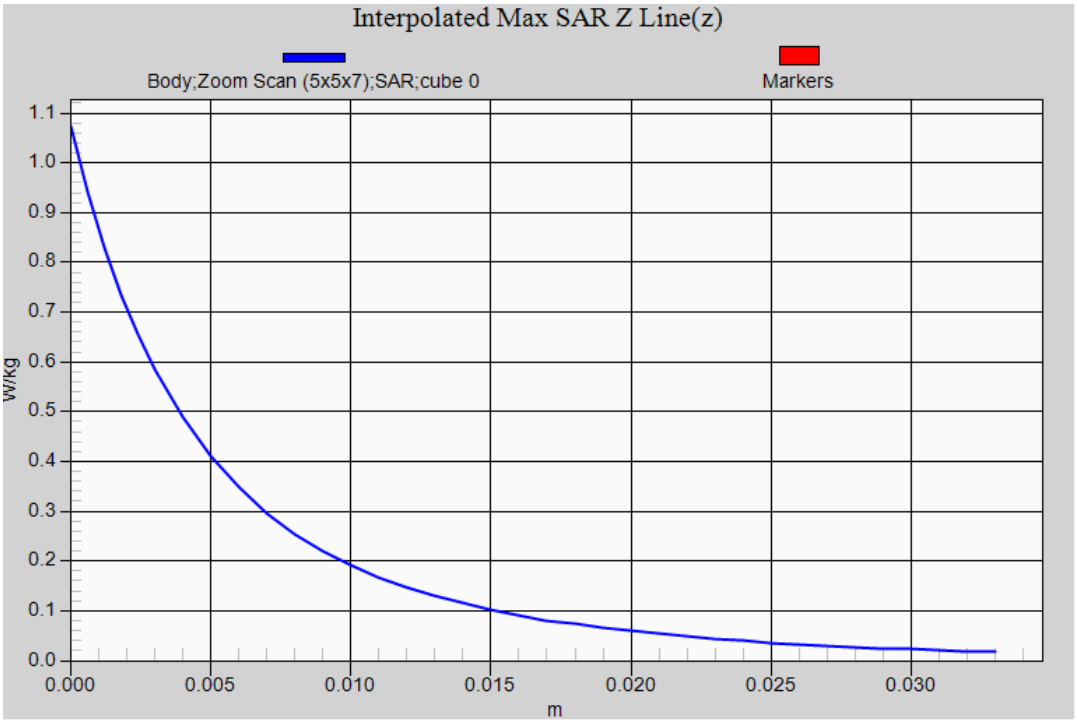
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.38 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.194 W/kg
SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.095 W/kg
Maximum value of SAR (measured) = 0.156 W/kg



LTE Band 17 QPSK 1RB (Body SAR) EUT Back (0mm Pwr OFF) Z-Axis plot
Channel: 23800



LTE Band 17 QPSK 1RB (Limbs SAR) EUT Top (0mm Pwr OFF) Z-Axis plot
Channel: 23790



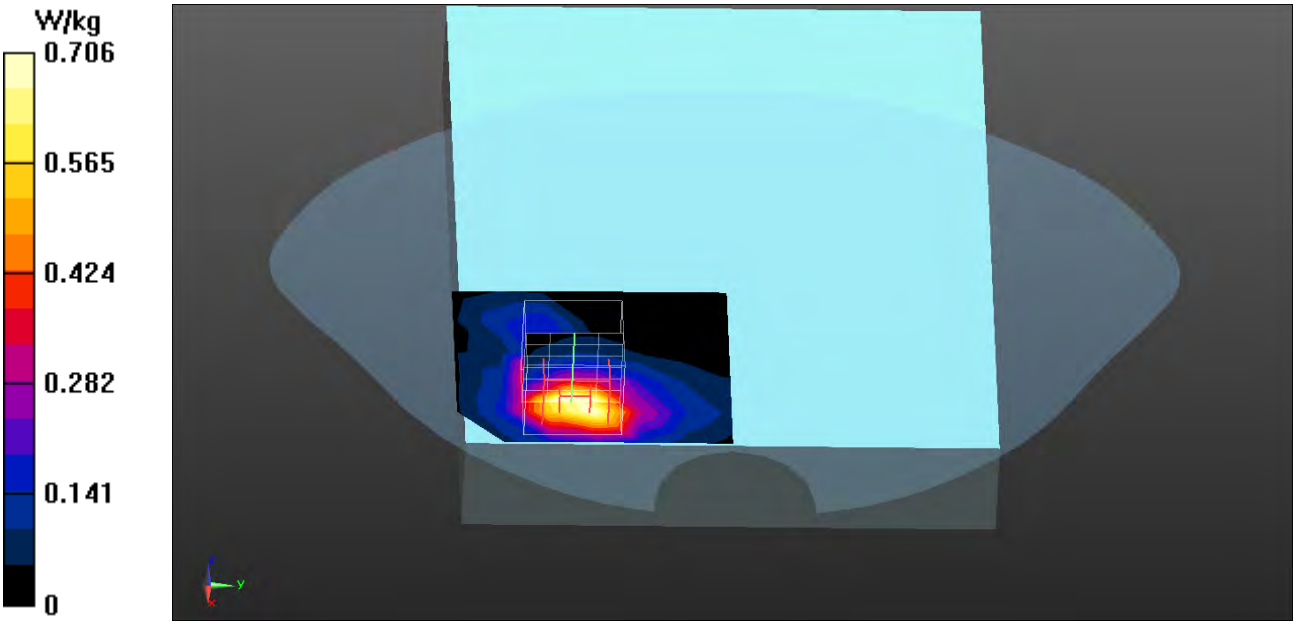
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26140_1RB-99-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.706 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.059 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.369 W/kg
Maximum value of SAR (measured) = 0.913 W/kg



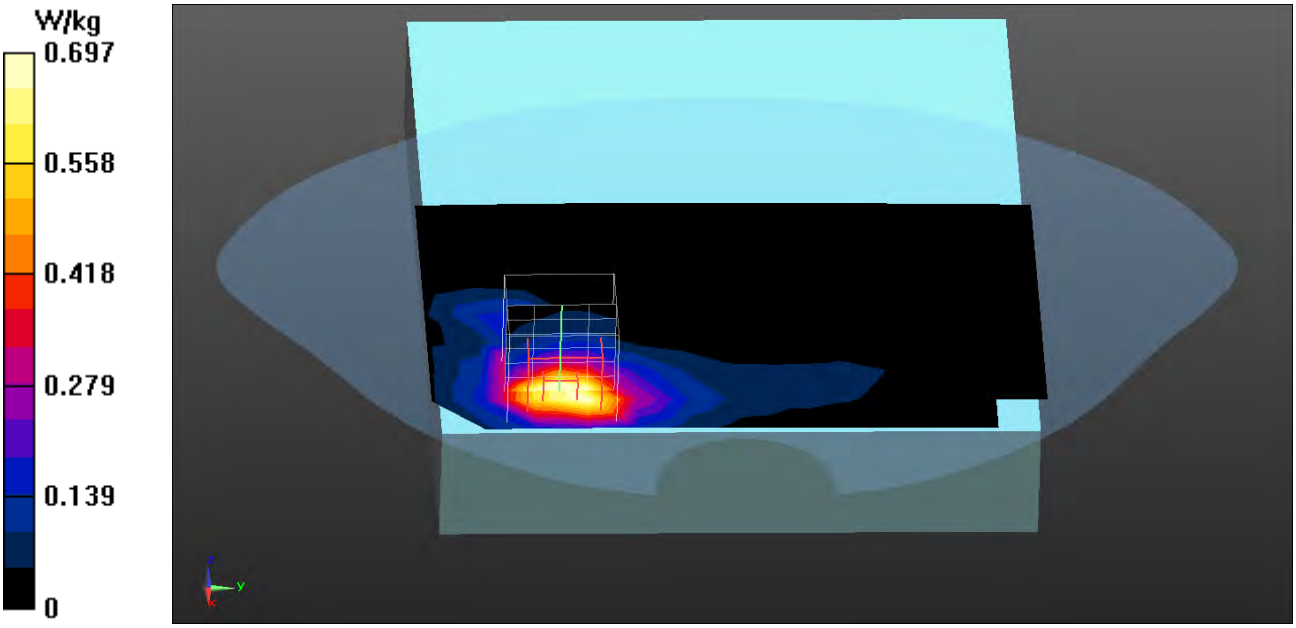
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_1RB-0-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.697 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.8880 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.696 W/kg; SAR(10 g) = 0.362 W/kg
Maximum value of SAR (measured) = 0.894 W/kg



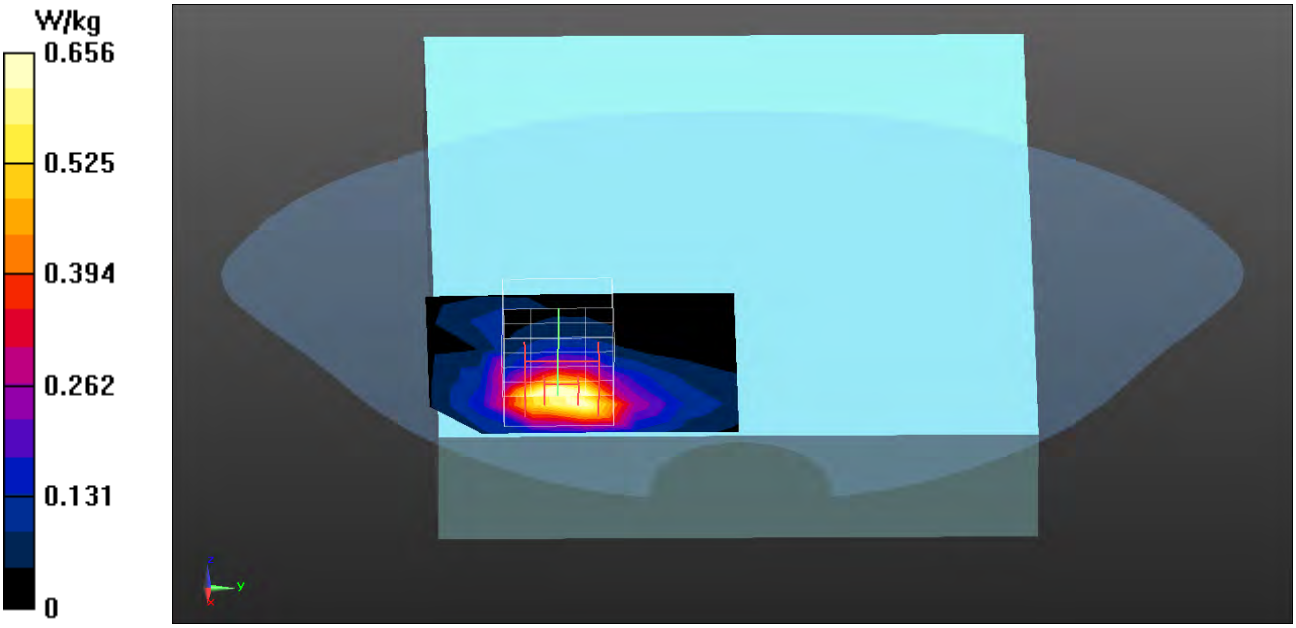
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26590_1RB-99-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1905 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1905 MHz; σ = 1.58 S/m; ε_r = 54.36; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.656 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.395 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.337 W/kg
Maximum value of SAR (measured) = 0.850 W/kg



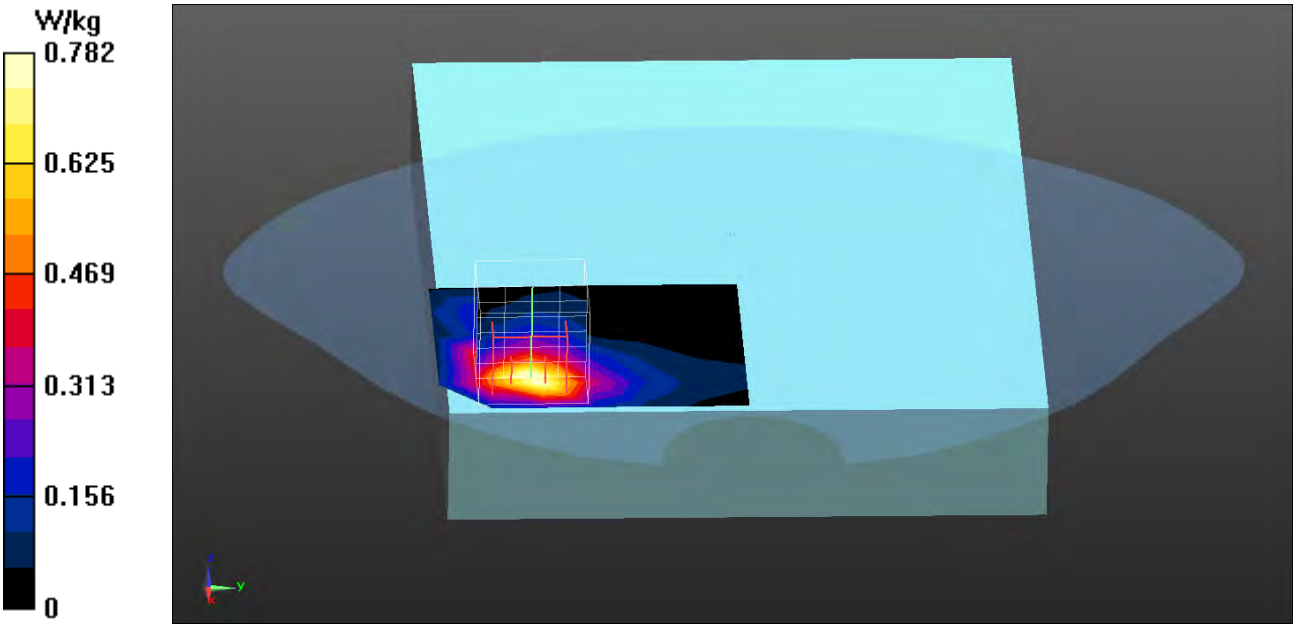
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26140_50RB-50-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.782 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.3410 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.367 W/kg
Maximum value of SAR (measured) = 0.872 W/kg



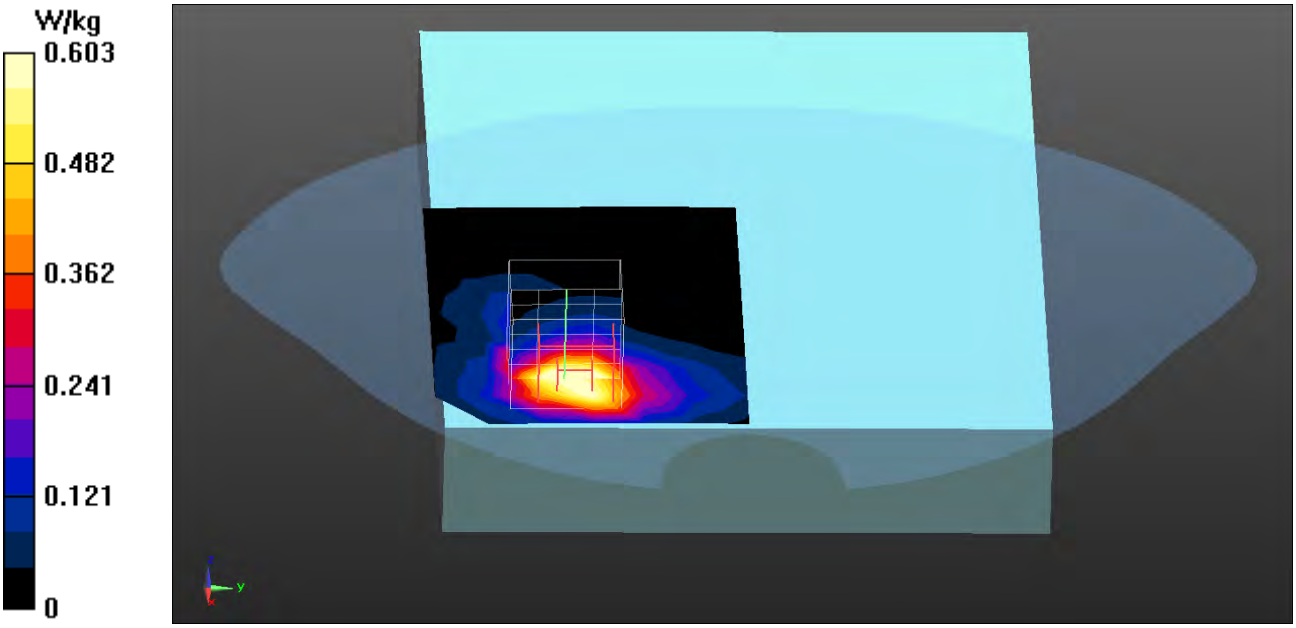
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_50RB-50-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.603 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.398 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.673 W/kg; SAR(10 g) = 0.346 W/kg
Maximum value of SAR (measured) = 0.862 W/kg



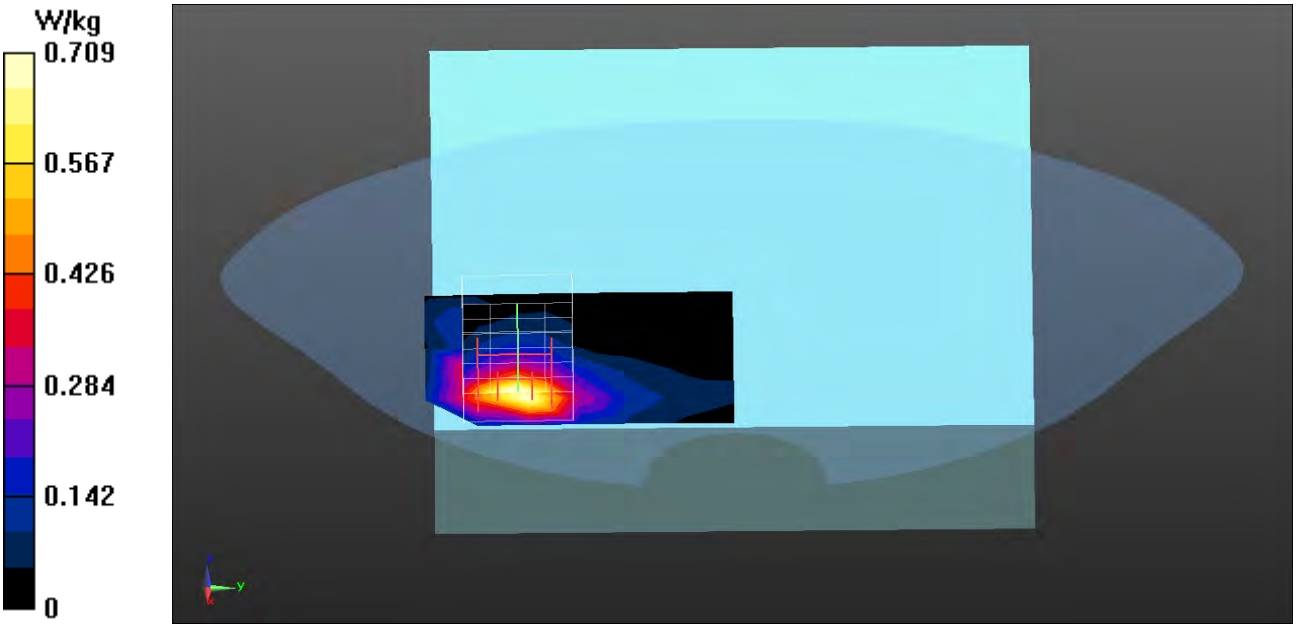
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26590_50RB-50-Back_Pwr On-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1905 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1905 MHz; σ = 1.58 S/m; ε_r = 54.36; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.709 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.9950 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (measured) = 0.789 W/kg



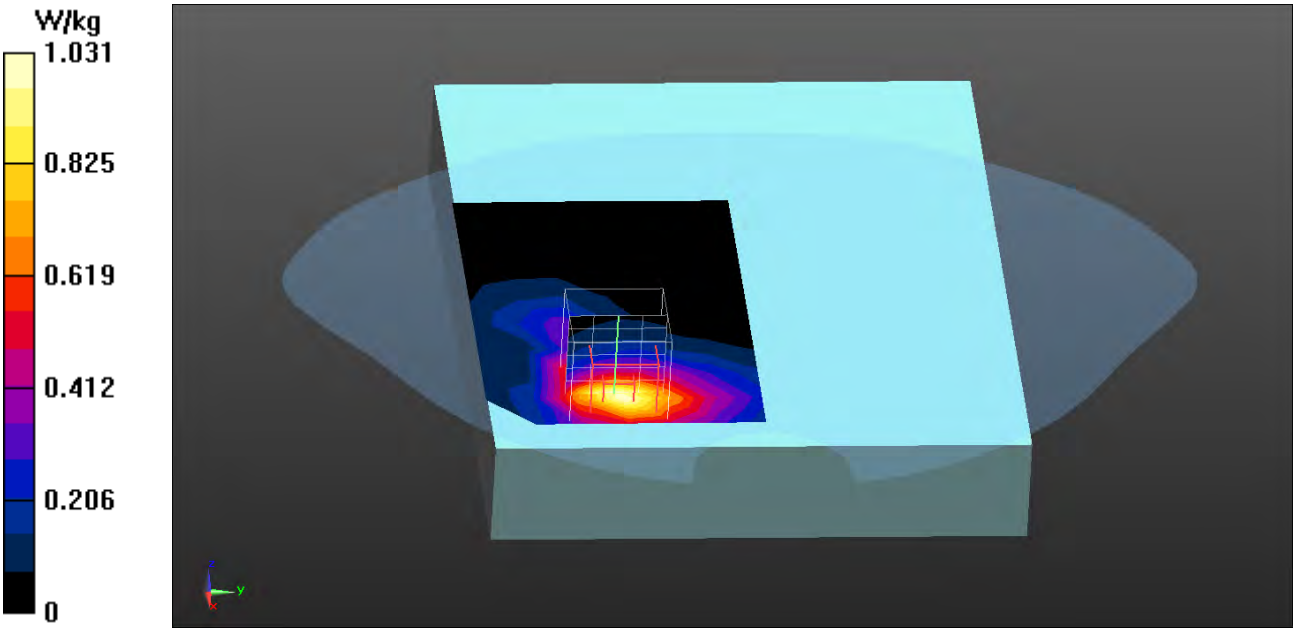
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26140_1RB-99-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.03 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.695 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.867 W/kg; SAR(10 g) = 0.507 W/kg
Maximum value of SAR (measured) = 1.05 W/kg



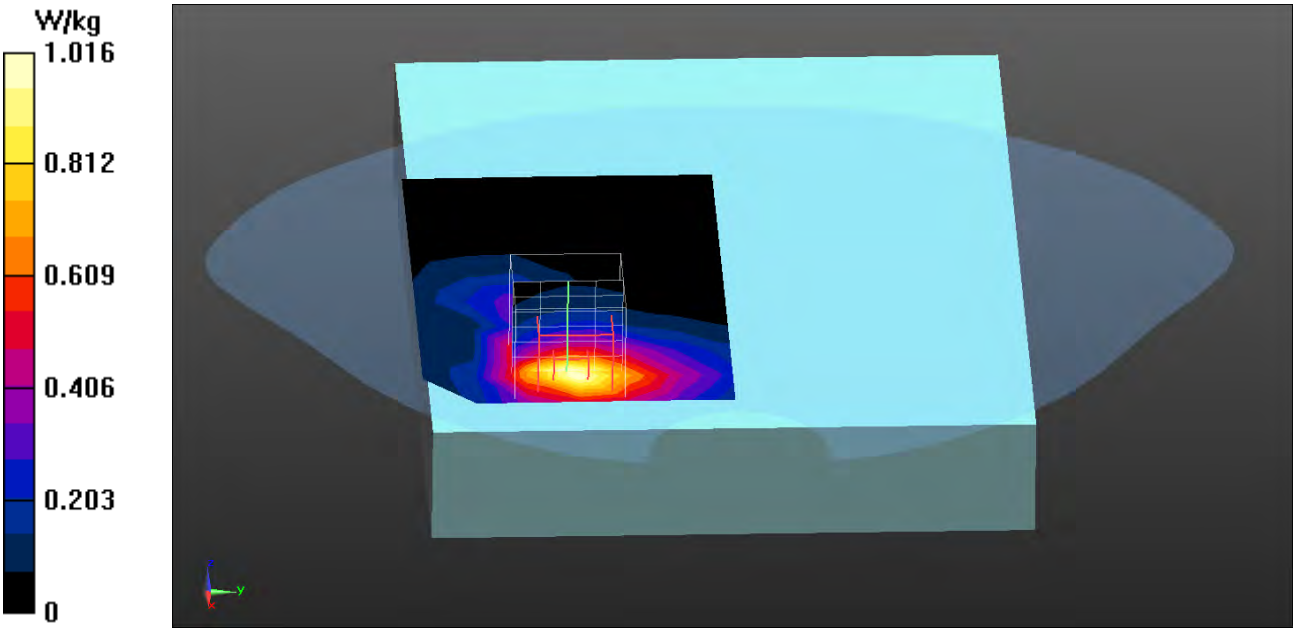
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_1RB-0-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.02 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.661 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.504 W/kg
Maximum value of SAR (measured) = 1.05 W/kg



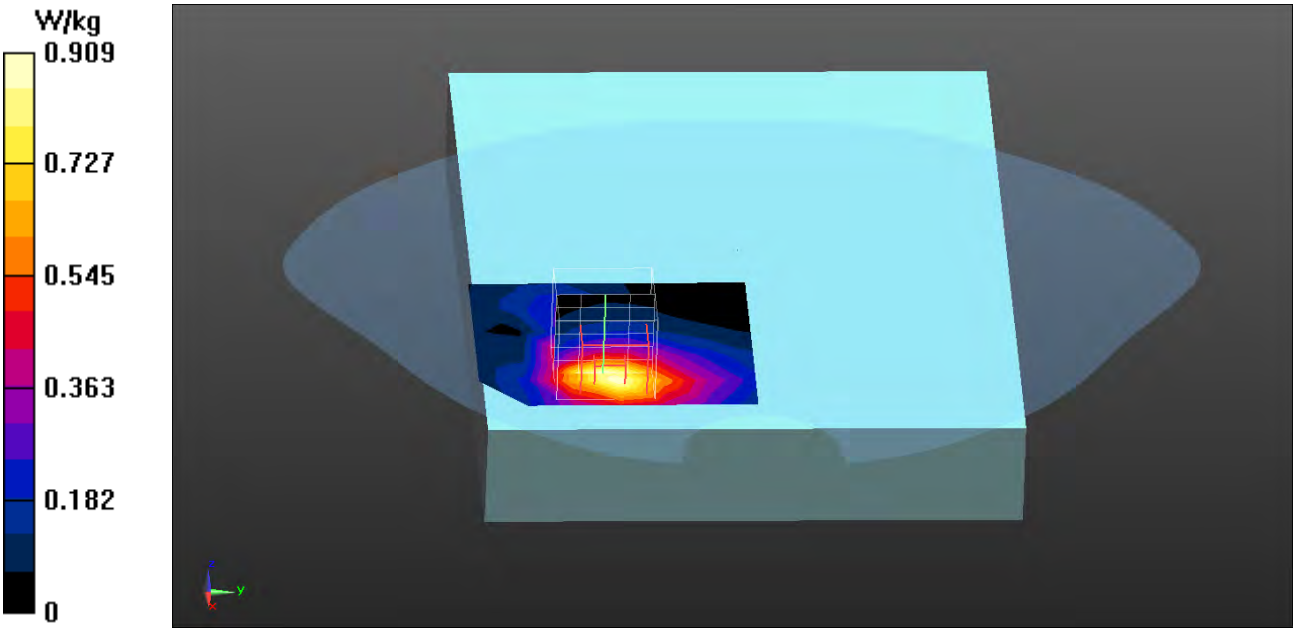
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26590_1RB-99-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1905 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1905 MHz; σ = 1.58 S/m; ε_r = 54.36; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.909 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.551 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.764 W/kg; SAR(10 g) = 0.443 W/kg
Maximum value of SAR (measured) = 0.927 W/kg



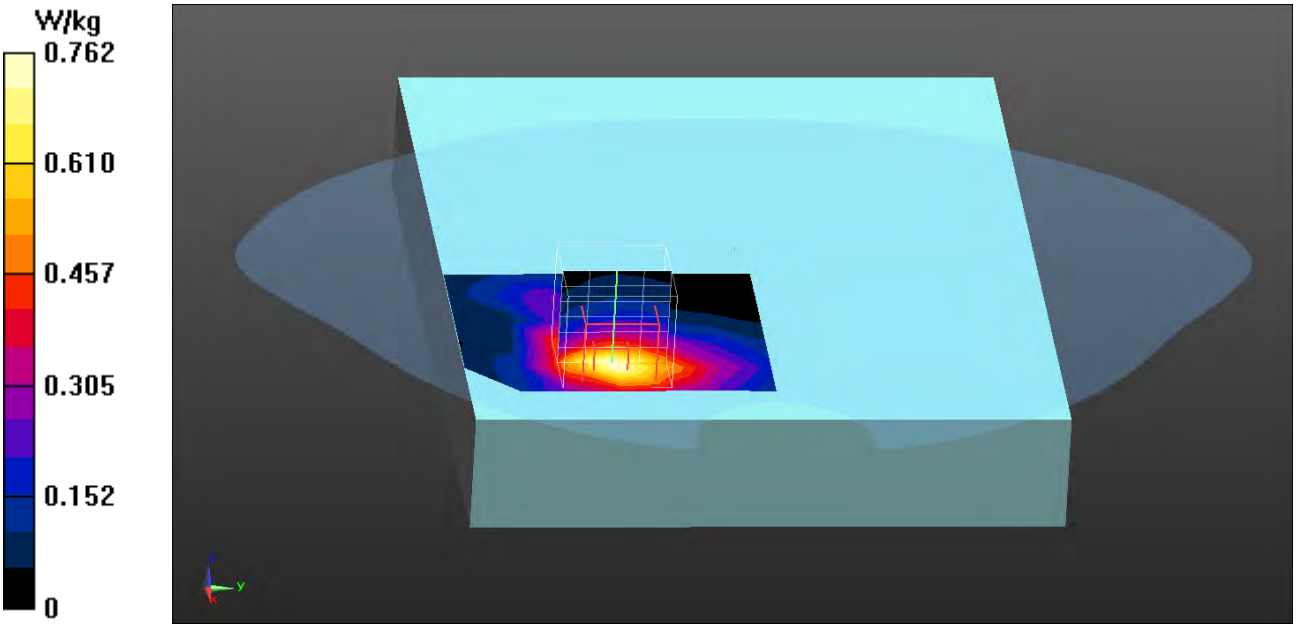
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26140_50RB-50-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.762 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.360 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.378 W/kg
Maximum value of SAR (measured) = 0.786 W/kg



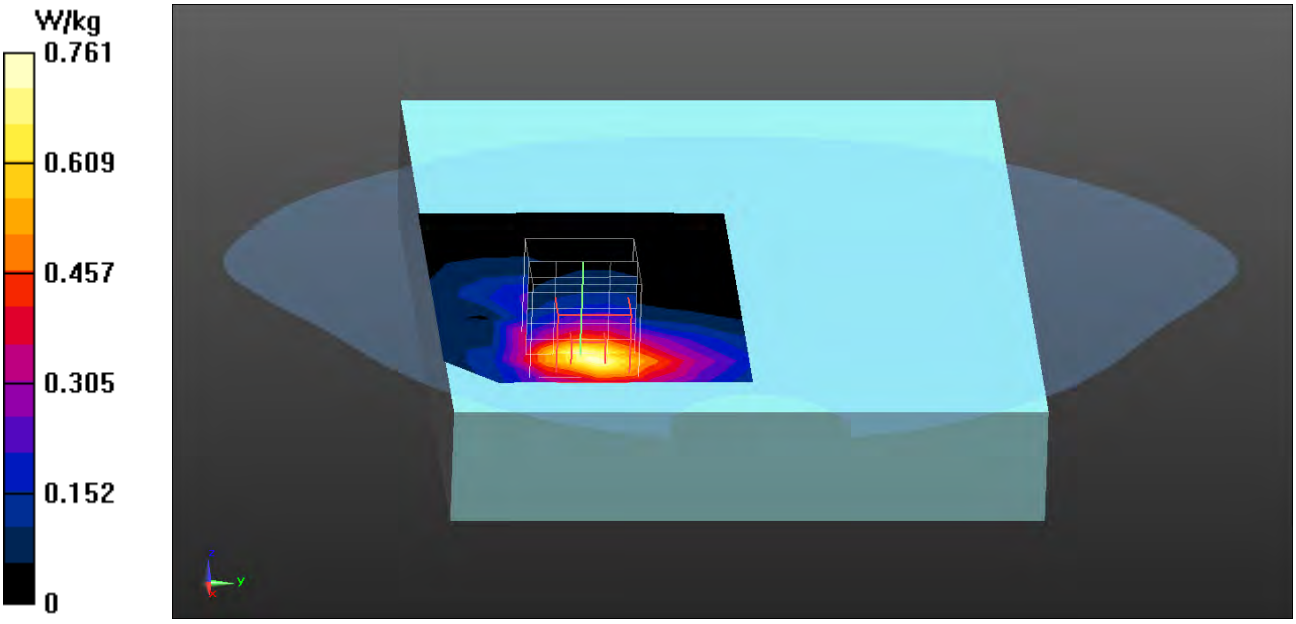
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_50RB-50-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.761 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.009 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.370 W/kg
Maximum value of SAR (measured) = 0.766 W/kg



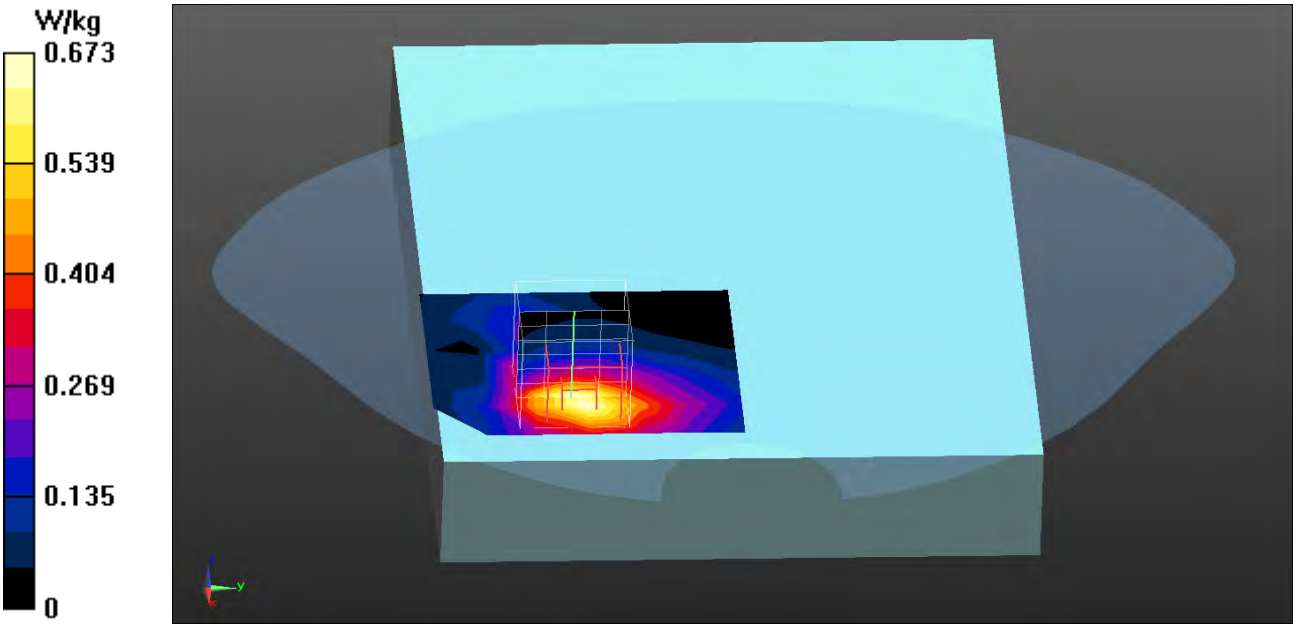
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26590_50RB-50-Back_Pwr Off-6mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1905 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1905 MHz; σ = 1.58 S/m; ε_r = 54.36; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.673 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.073 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.949 W/kg
SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.331 W/kg
Maximum value of SAR (measured) = 0.697 W/kg



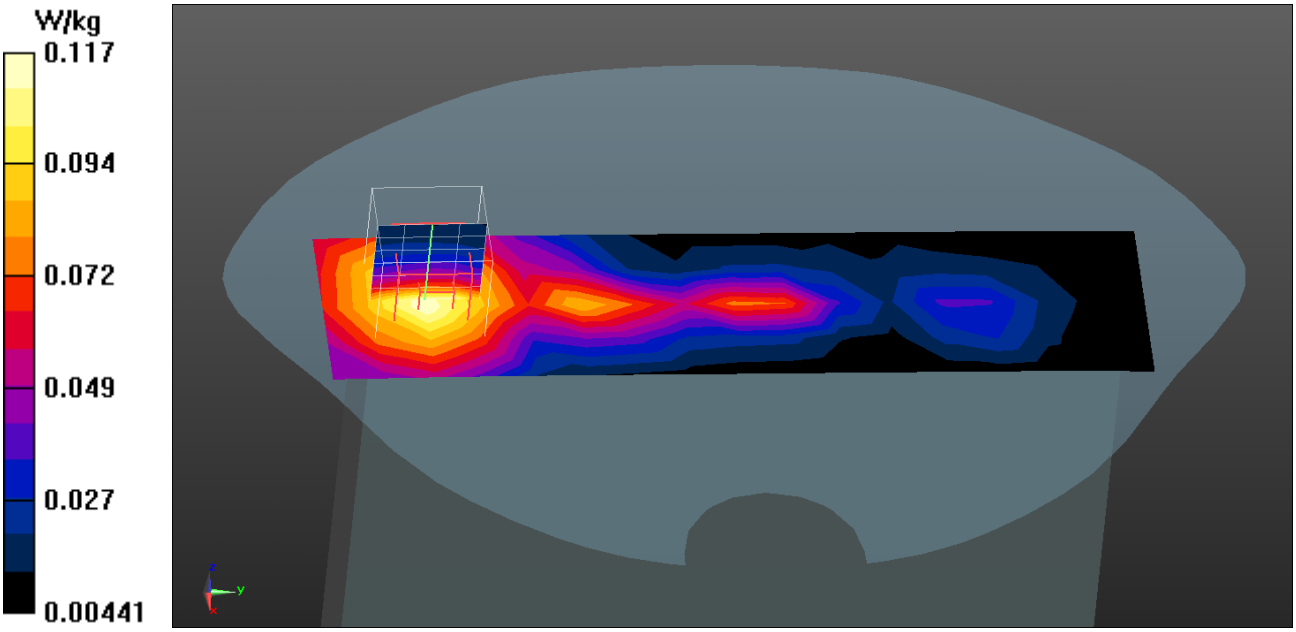
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_1RB-0-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.117 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.102 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.154 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.066 W/kg
Maximum value of SAR (measured) = 0.115 W/kg



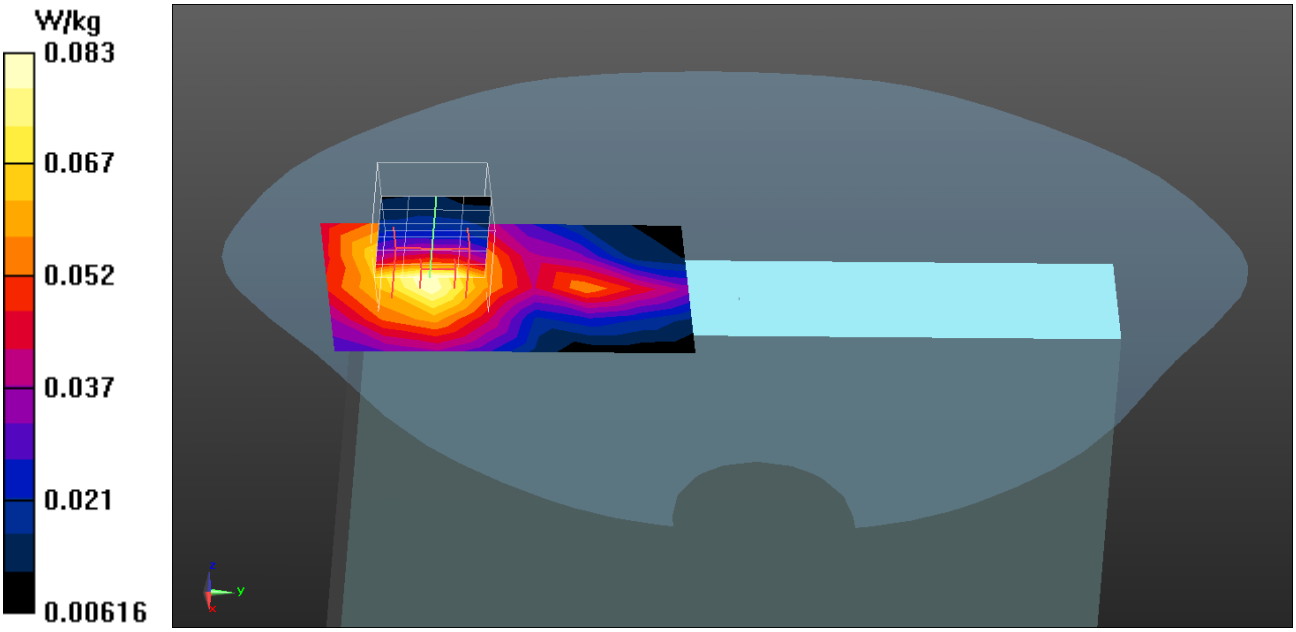
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_50RB-50-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0827 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.326 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.114 W/kg
SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.048 W/kg
Maximum value of SAR (measured) = 0.0845 W/kg



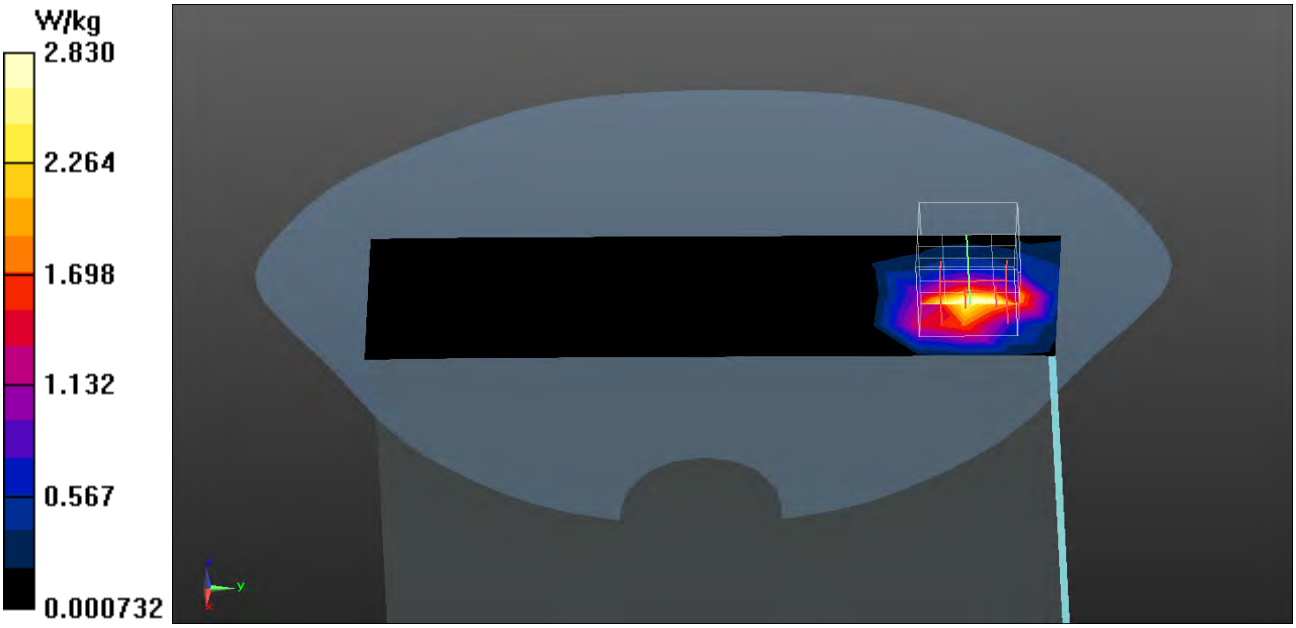
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_1RB-0-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.83 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.693 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 5.34 W/kg
SAR(1 g) = 2.77 W/kg; SAR(10 g) = 1.36 W/kg
Maximum value of SAR (measured) = 3.17 W/kg



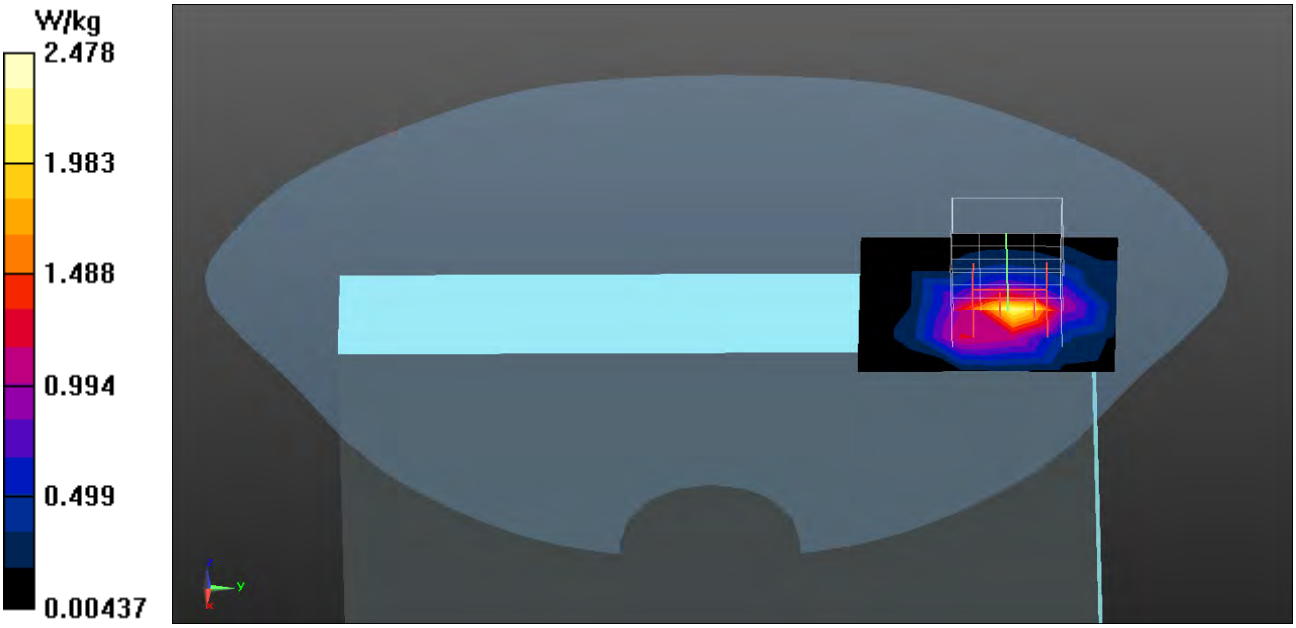
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_50RB-50-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.48 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.273 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 0.974 W/kg
Maximum value of SAR (measured) = 2.39 W/kg



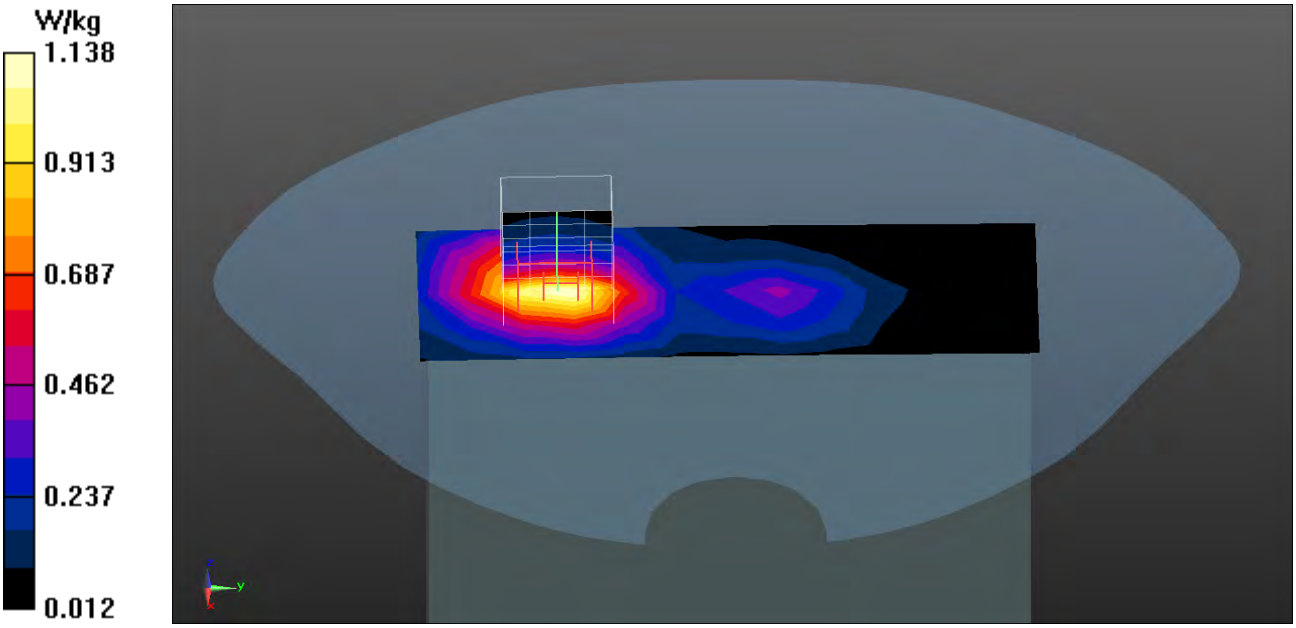
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_1RB-0-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.14 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.03 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.593 W/kg
Maximum value of SAR (measured) = 1.17 W/kg



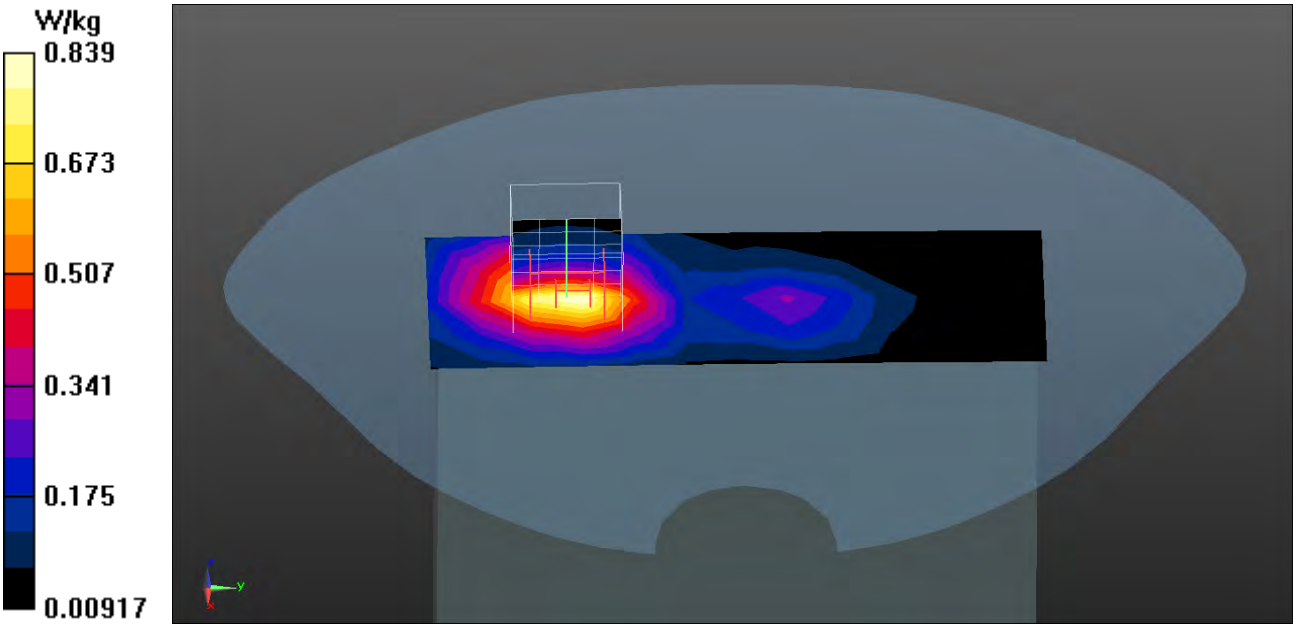
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26365_50RB-50-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1882.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1882.5 MHz; σ = 1.55 S/m; ε_r = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

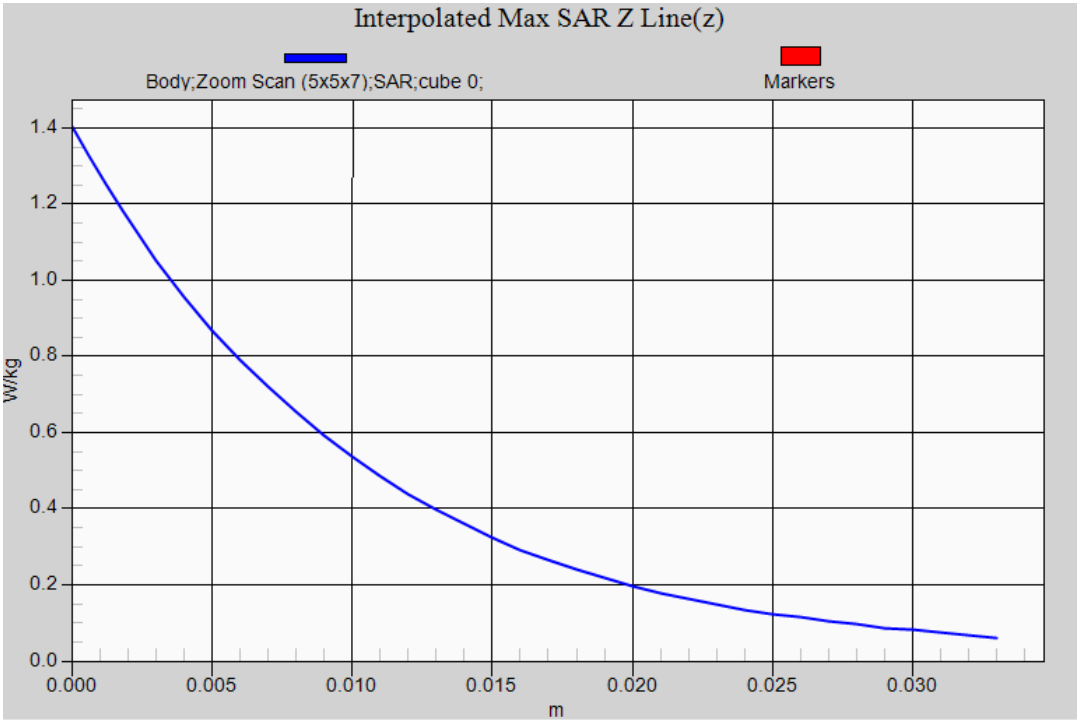
- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.839 W/kg

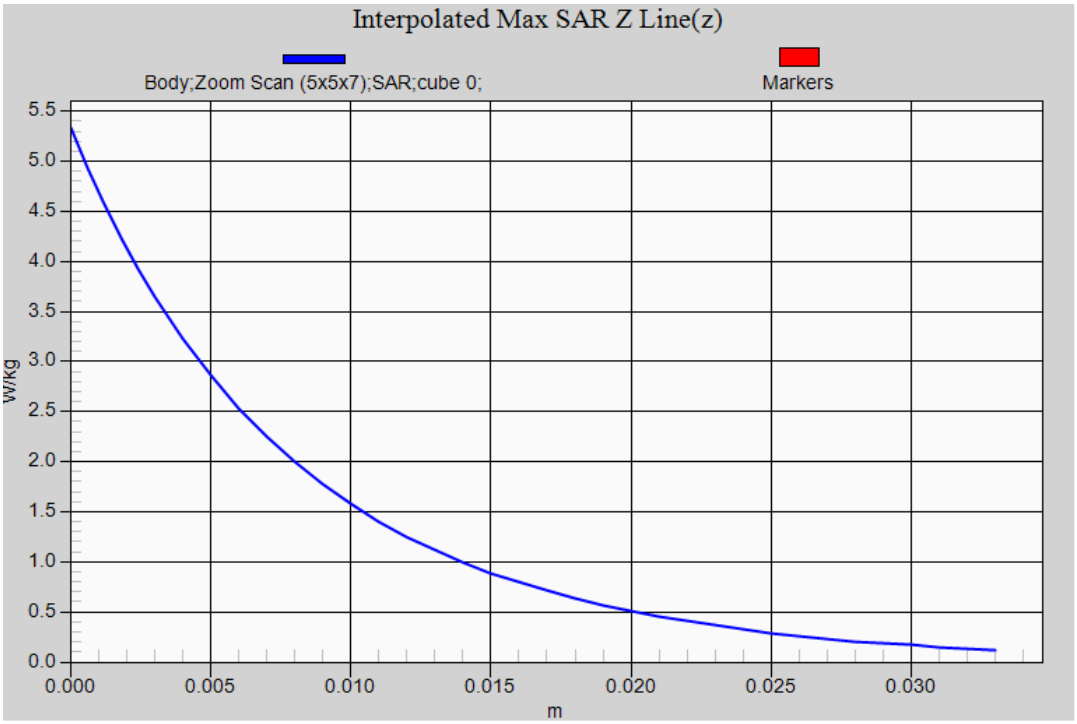
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.42 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.429 W/kg
Maximum value of SAR (measured) = 0.844 W/kg



LTE Band 25 QPSK 1RB (Body SAR) EUT Back (6mm Pwr OFF) Z-Axis plot
Channel: 26140



LTE Band 25 QPSK 1RB (Limbs SAR) EUT Top (0mm Pwr OFF) Z-Axis plot
Channel: 26365



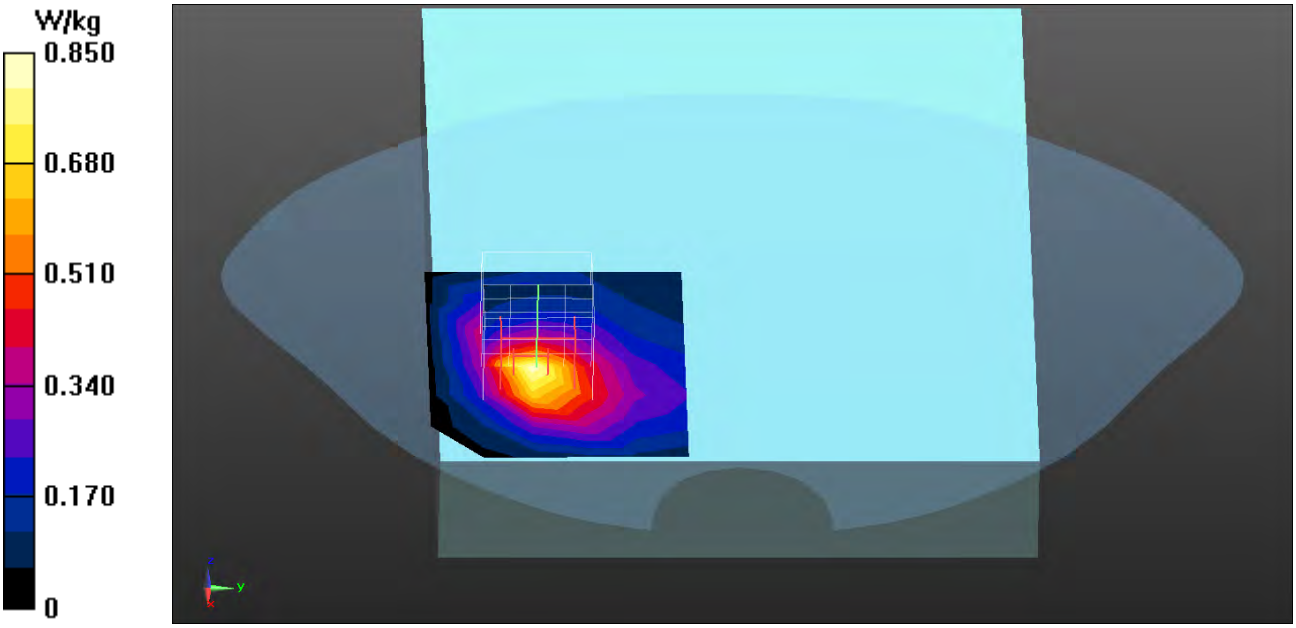
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26775_1RB-36-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC LTE Band26; Frequency: 822.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 822.5 MHz; σ = 1 S/m; ε_r = 56.31; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.850 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.301 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.441 W/kg
Maximum value of SAR (measured) = 0.830 W/kg



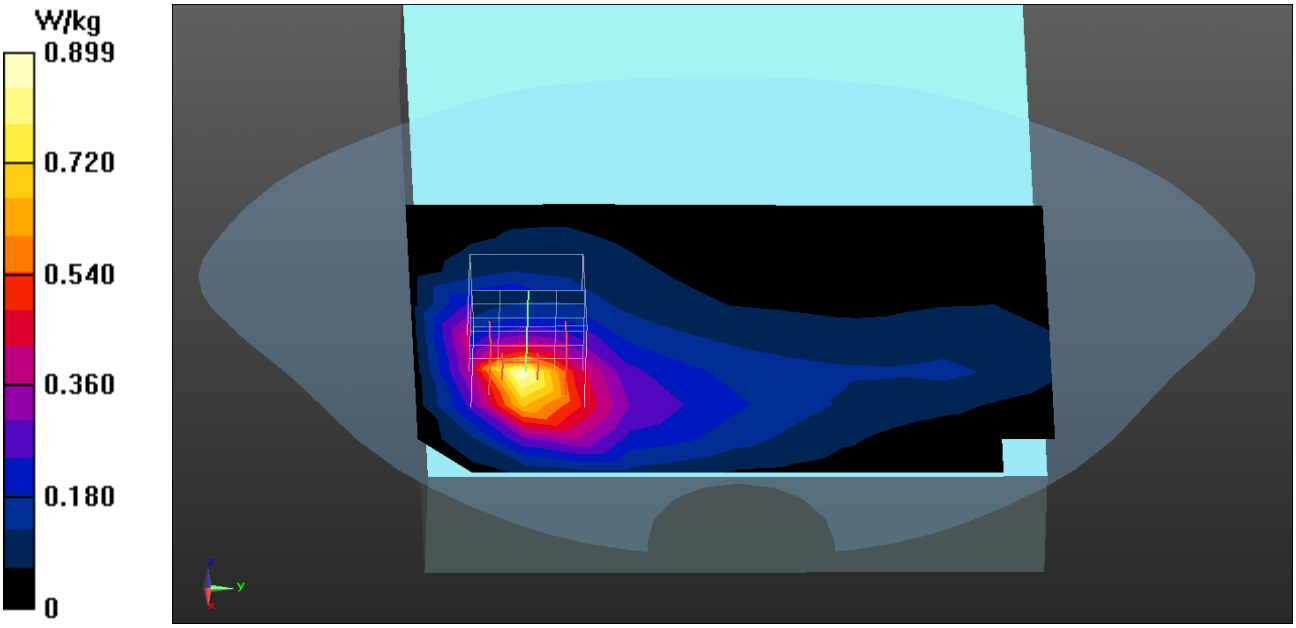
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26865_1RB-36-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC LTE Band26; Frequency: 831.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.899 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.255 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.462 W/kg
Maximum value of SAR (measured) = 0.878 W/kg



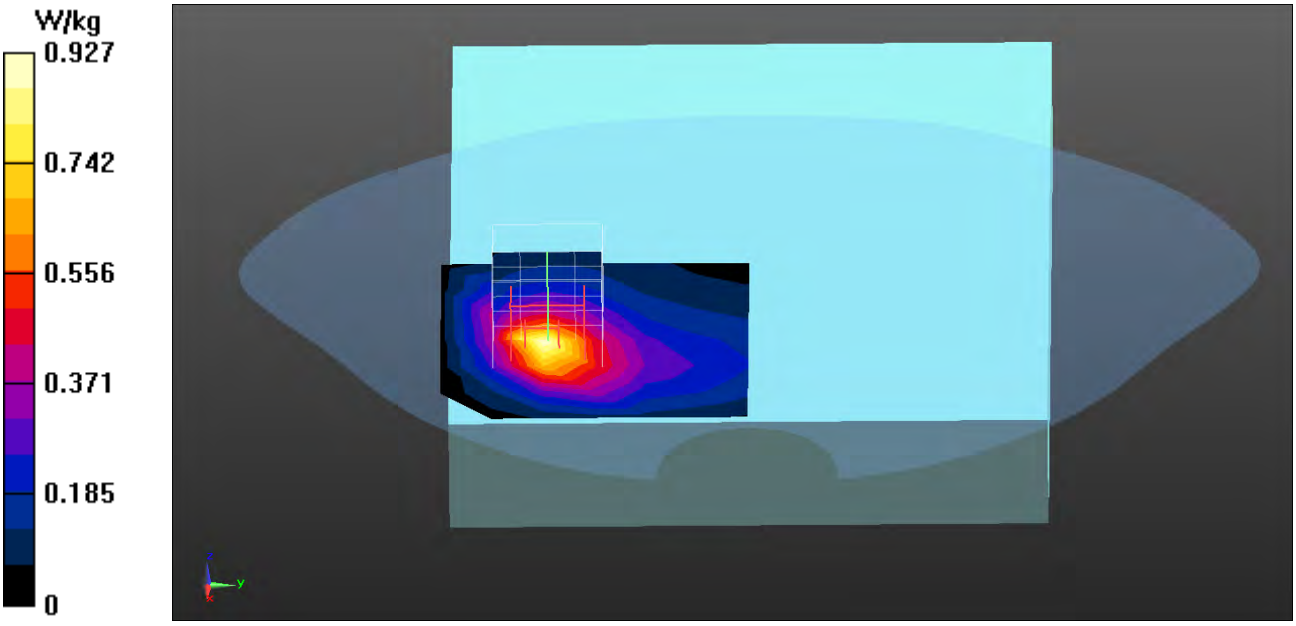
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26965_1RB-36-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC LTE Band26; Frequency: 841.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 841.5 MHz; σ = 1.02 S/m; ε_r = 56.13; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.927 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.347 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.467 W/kg
Maximum value of SAR (measured) = 0.892 W/kg



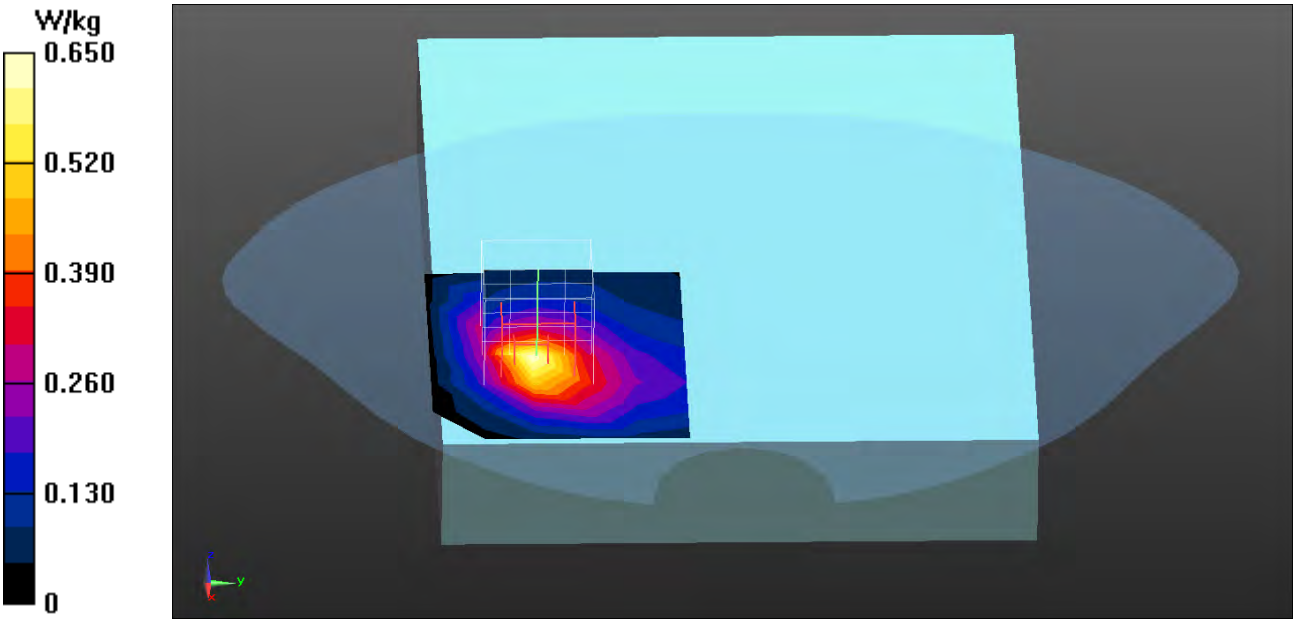
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26775_36RB-37-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC LTE Band26; Frequency: 822.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 822.5 MHz; σ = 1 S/m; ε_r = 56.31; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.650 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.089 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.830 W/kg
SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.333 W/kg
Maximum value of SAR (measured) = 0.629 W/kg



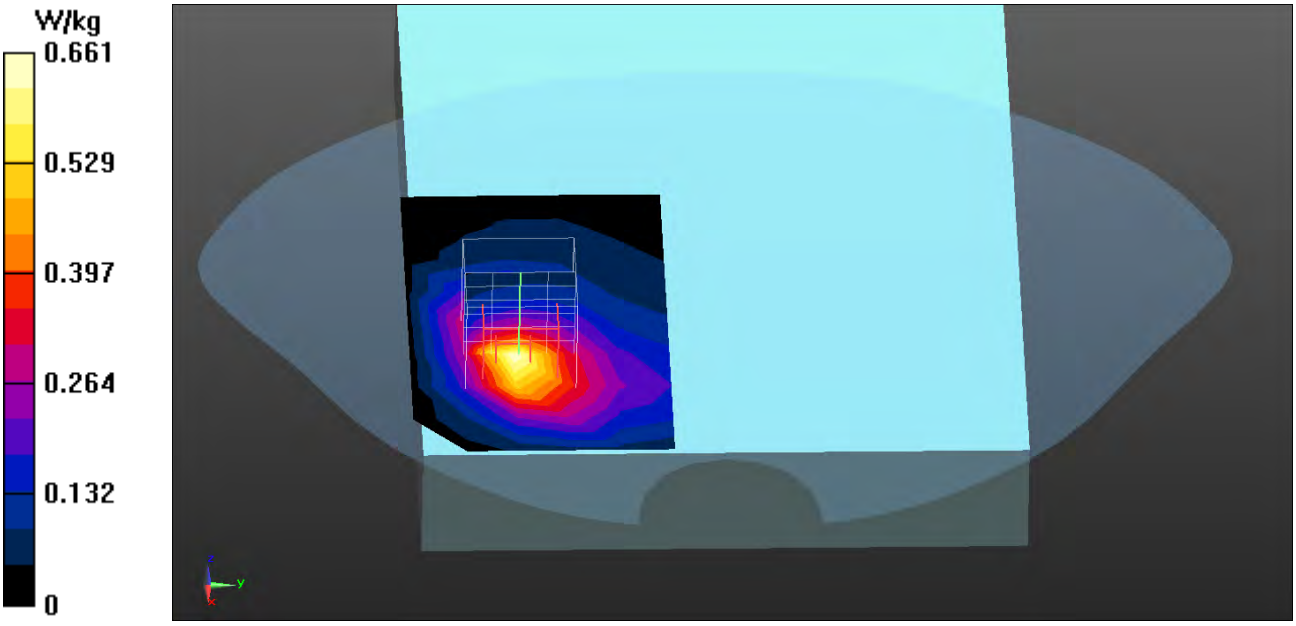
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26865_36RB-0-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band26; Frequency: 831.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (9x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.661 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.895 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.846 W/kg
SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 0.640 W/kg



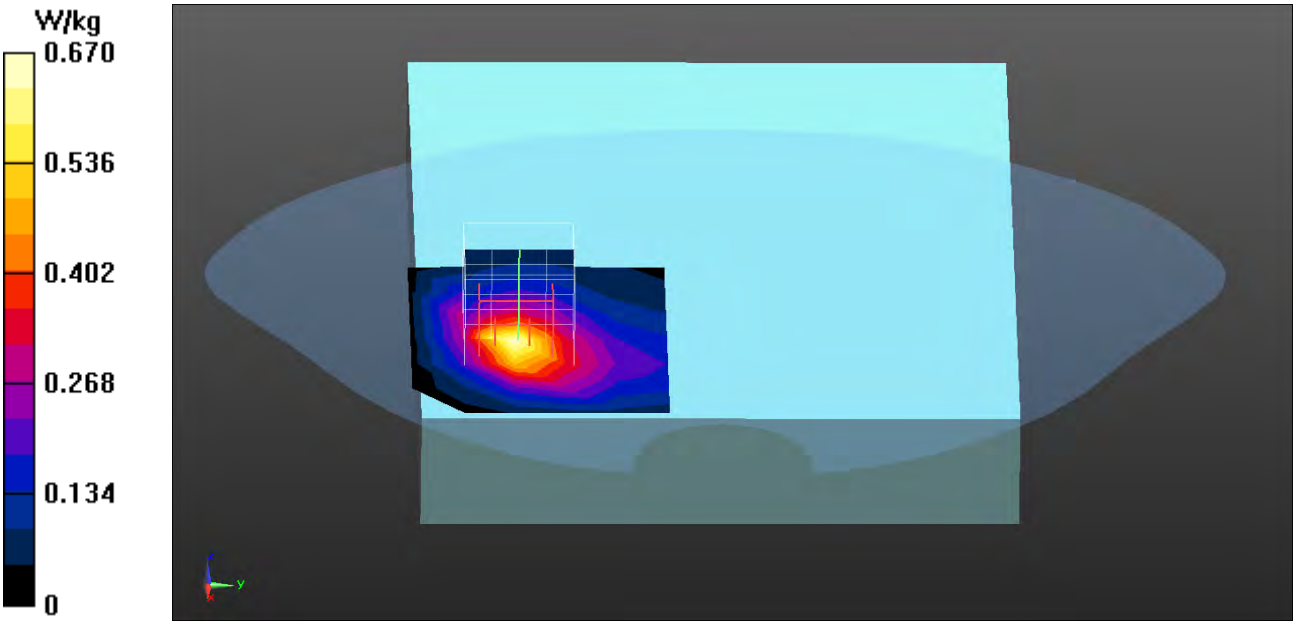
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26965_36RB-37-Back_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band26; Frequency: 841.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 841.5 MHz; σ = 1.02 S/m; ε_r = 56.13; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.670 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.994 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.870 W/kg
SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.340 W/kg
Maximum value of SAR (measured) = 0.650 W/kg



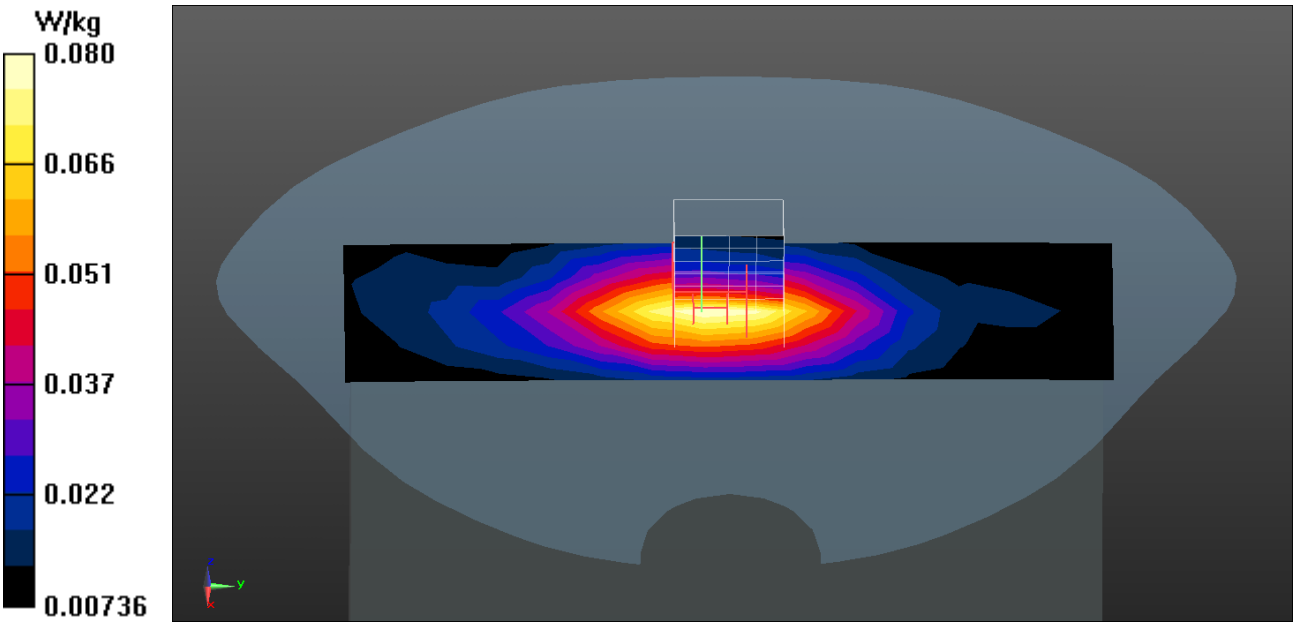
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26865_1RB-36-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC LTE Band26; Frequency: 831.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0805 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.147 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.107 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.048 W/kg
Maximum value of SAR (measured) = 0.0821 W/kg



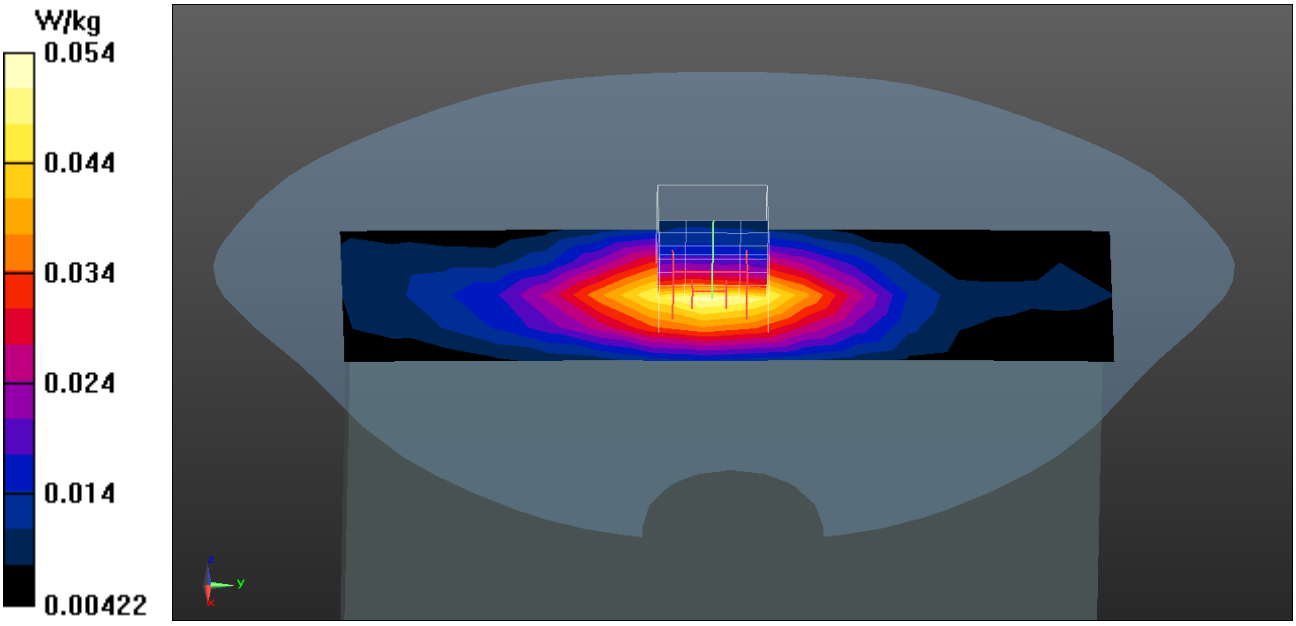
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26865_36RB-0-Bottom_Pwr Off-0mm_Body
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band26; Frequency: 831.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0545 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.515 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.0680 W/kg
SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.031 W/kg
Maximum value of SAR (measured) = 0.0523 W/kg



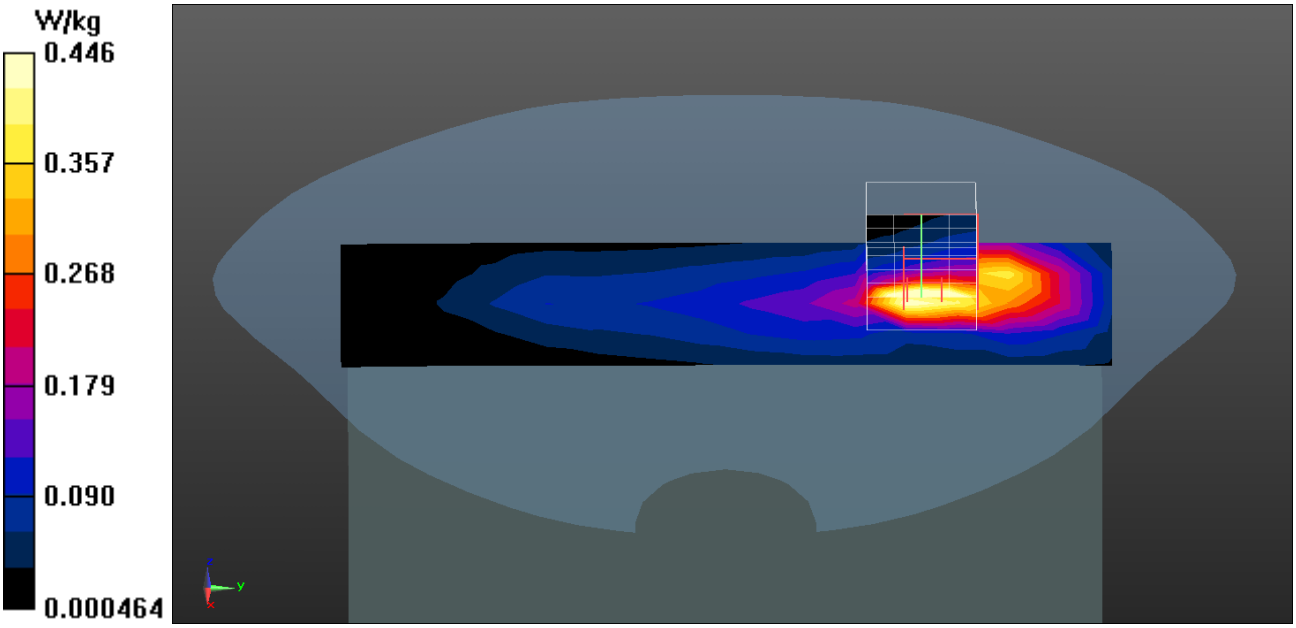
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26865_1RB-36-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band26; Frequency: 831.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.446 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.80 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.235 W/kg
Maximum value of SAR (measured) = 0.594 W/kg



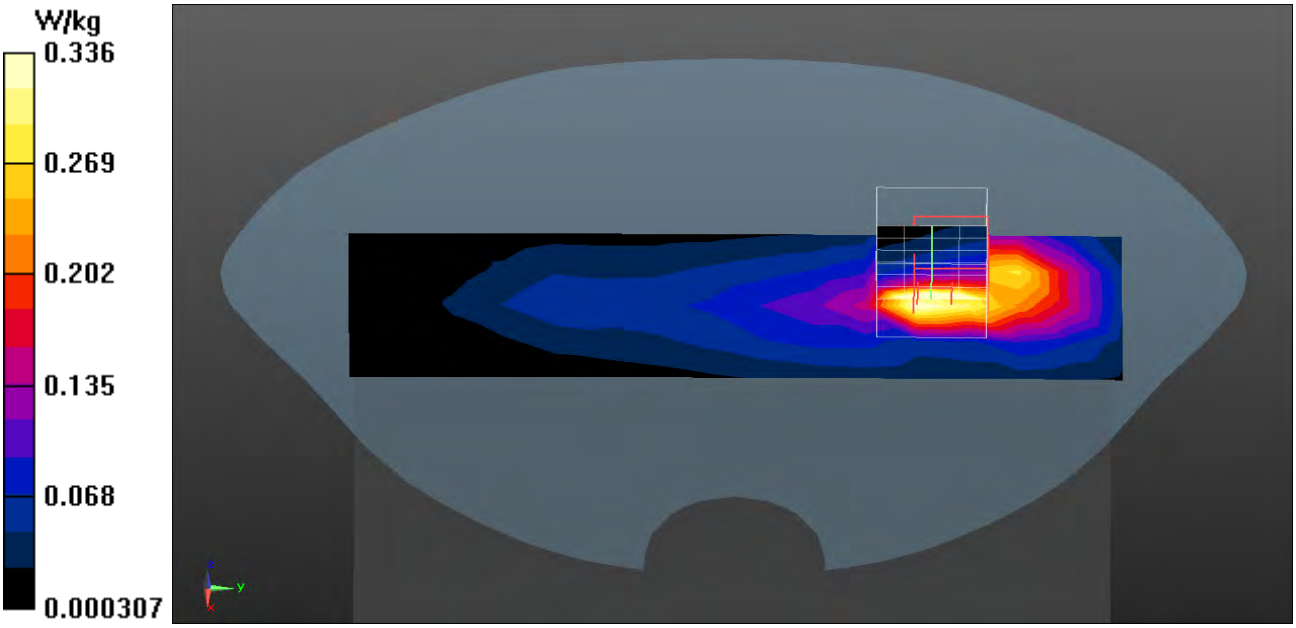
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26865_36RB-0-Top_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band26; Frequency: 831.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.336 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.078 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.776 W/kg
SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.177 W/kg
Maximum value of SAR (measured) = 0.449 W/kg



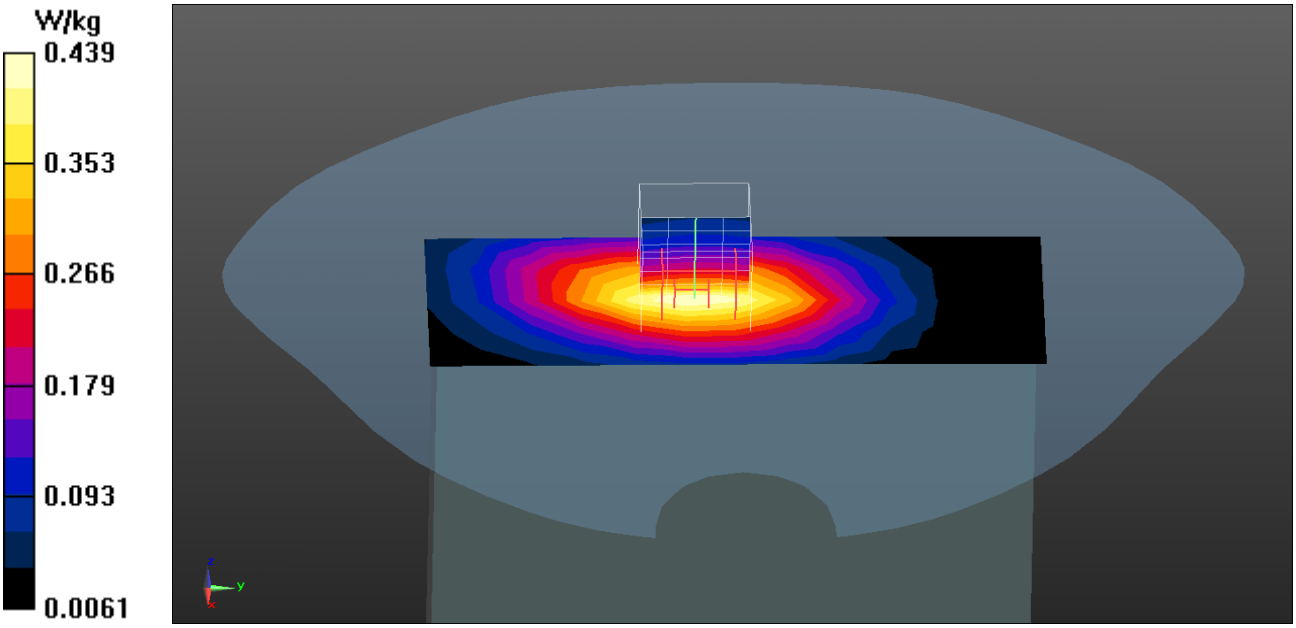
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26865_1RB-36-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band26; Frequency: 831.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.439 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.73 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.555 W/kg
SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.265 W/kg
Maximum value of SAR (measured) = 0.443 W/kg



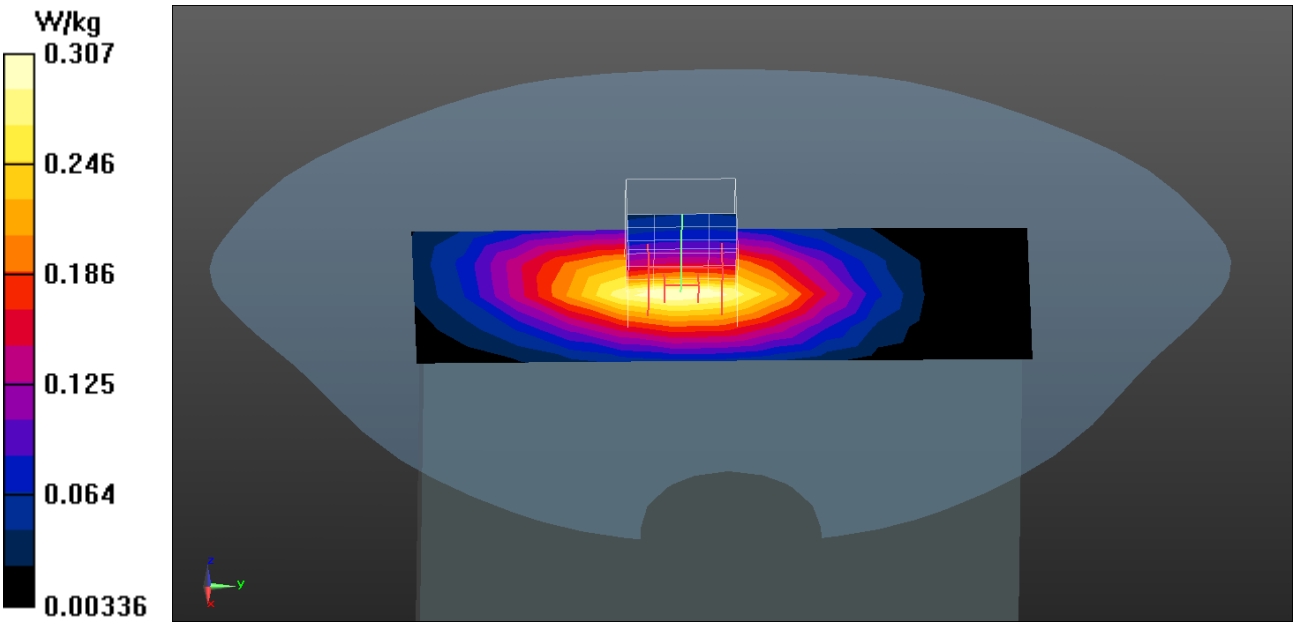
Test Laboratory: DEKRA Date/Time: 2018/07/16

LTE_B26_QPSK_15M_26865_36RB-0-Right-side_Pwr Off-0mm_Limbs
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band26; Frequency: 831.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 22.1, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

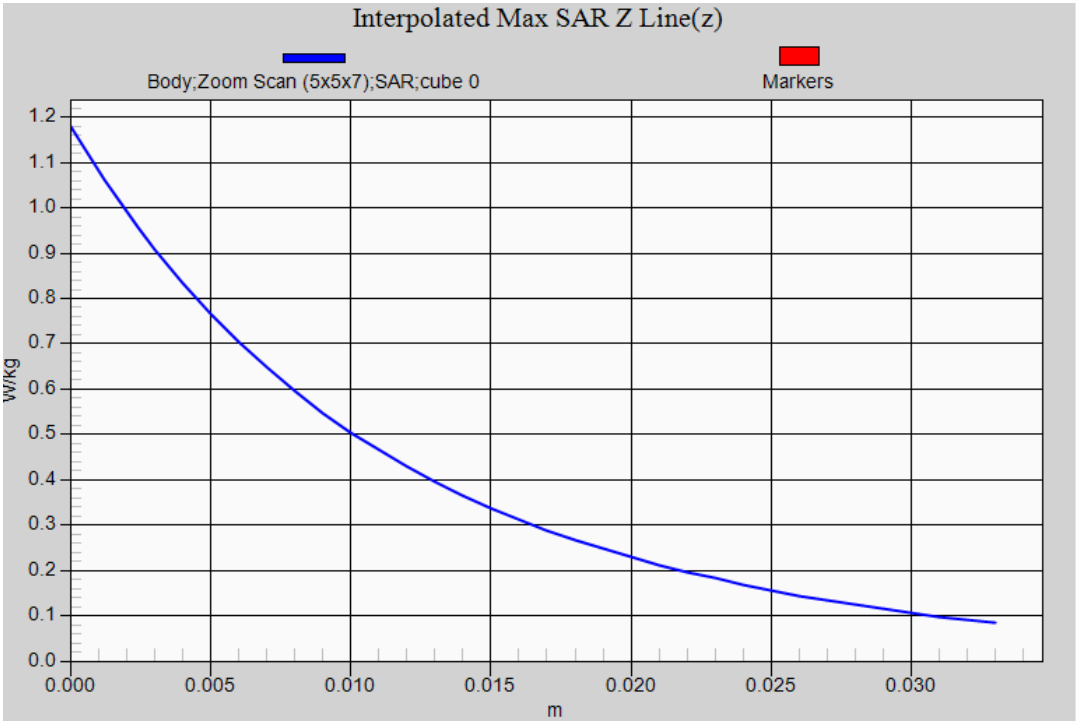
- Probe: EX3DV4 - SN3698; ConvF(8.87, 8.87, 8.87); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.307 W/kg

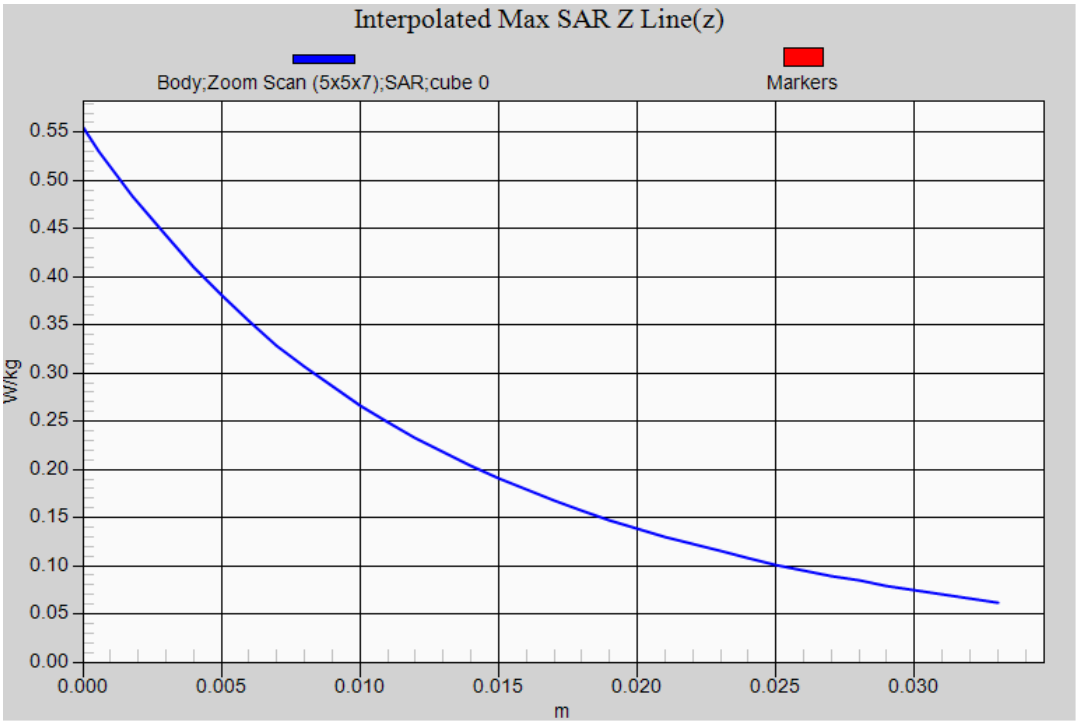
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.46 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.391 W/kg
SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.187 W/kg
Maximum value of SAR (measured) = 0.314 W/kg



LTE Band 26 QPSK 1RB (Body SAR) EUT Back (0mm Pwr OFF) Z-Axis plot
Channel: 26965



LTE Band 26 QPSK 1RB (Limbs SAR) EUT Right-side (0mm Pwr OFF) Z-Axis plot
Channel: 26865



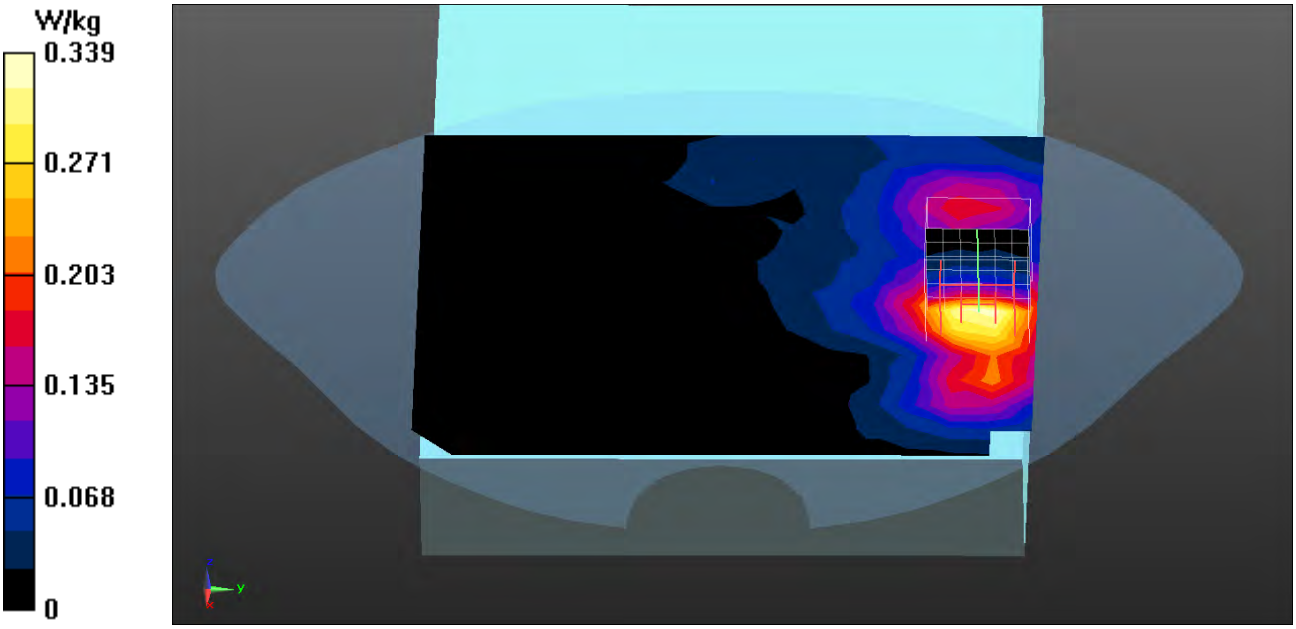
Test Laboratory: DEKRA Date/Time: 2018/07/19

802.11b_10-Back-Main
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 2.4G; Frequency: 2457 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 2457 MHz; σ = 1.98 S/m; ε_r = 52.33; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.9, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(6.92, 6.92, 6.92); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (14x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.339 W/kg

Configuration/Body/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.956 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.533 W/kg
SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.153 W/kg
Maximum value of SAR (measured) = 0.354 W/kg



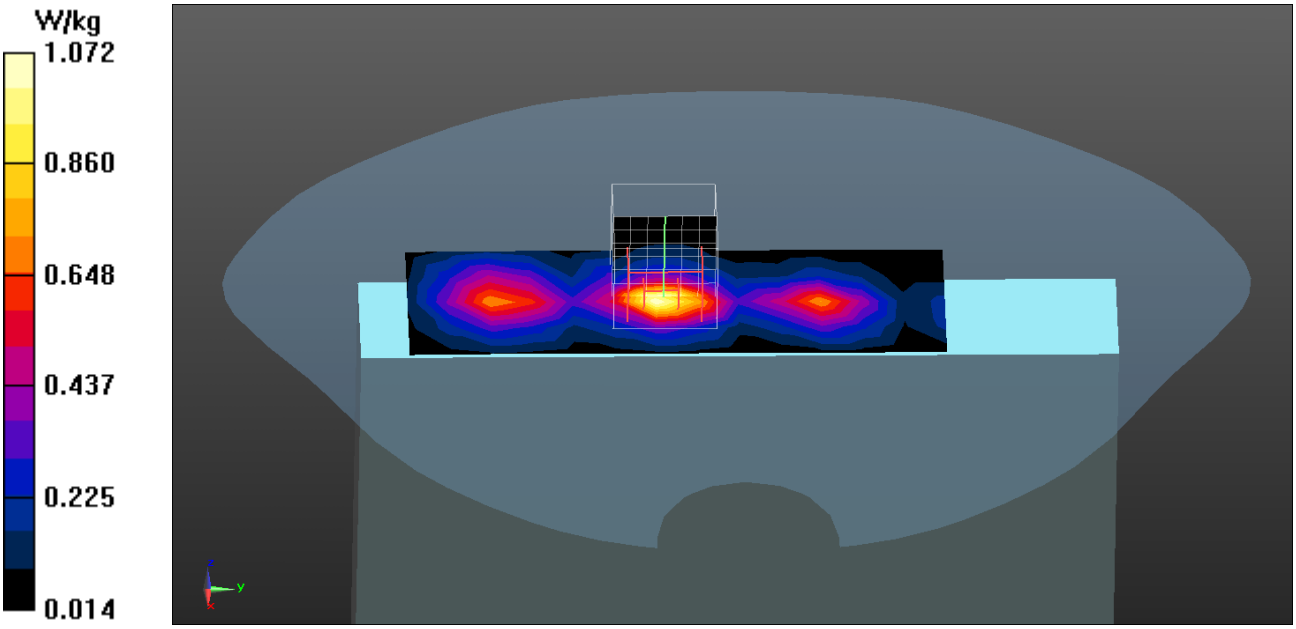
Test Laboratory: DEKRA Date/Time: 2018/07/19

802.11b_2-Bottom-Main
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 2.4G; Frequency: 2417 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 2417 MHz; σ = 1.91 S/m; ε_r = 52.48; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.9, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(6.92, 6.92, 6.92); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.07 W/kg

Configuration/Body/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.17 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.393 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



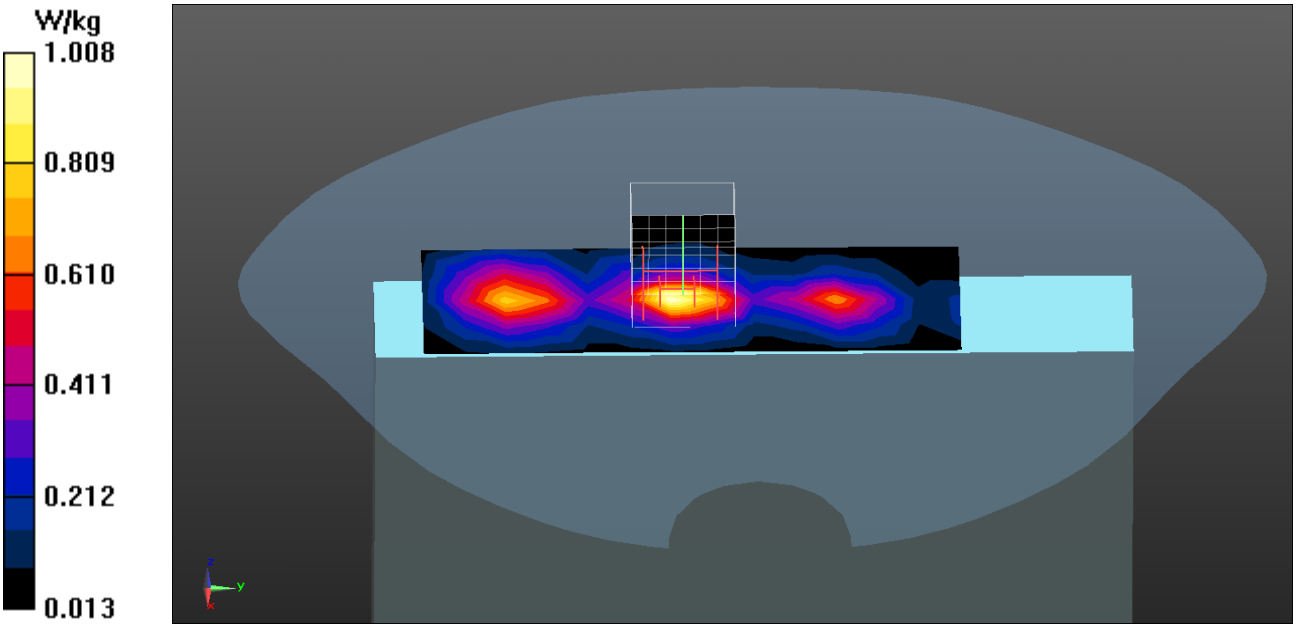
Test Laboratory: DEKRA Date/Time: 2018/07/19

802.11b_6-Bottom-Main
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 2.4G; Frequency: 2437 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 2437 MHz; σ = 1.95 S/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.9, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(6.92, 6.92, 6.92); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.01 W/kg

Configuration/Body/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.94 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.373 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



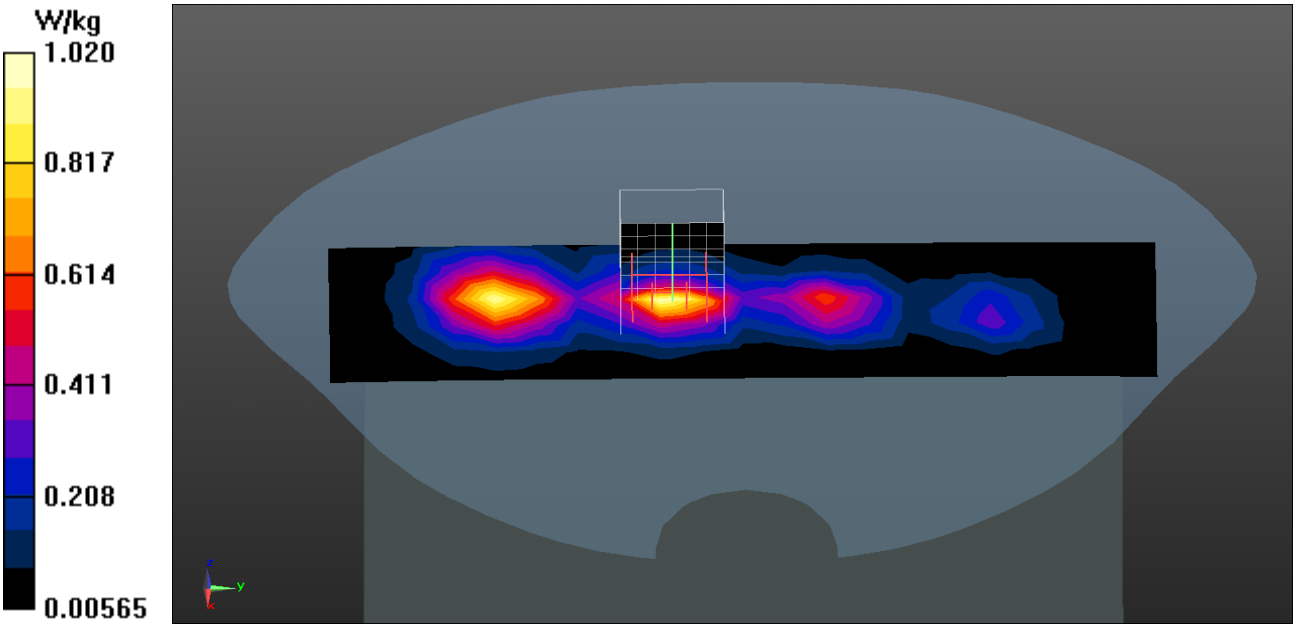
Test Laboratory: DEKRA Date/Time: 2018/07/19

802.11b_10-Bottom-Main
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 2.4G; Frequency: 2457 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 2457 MHz; σ = 1.98 S/m; ε_r = 52.33; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.9, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

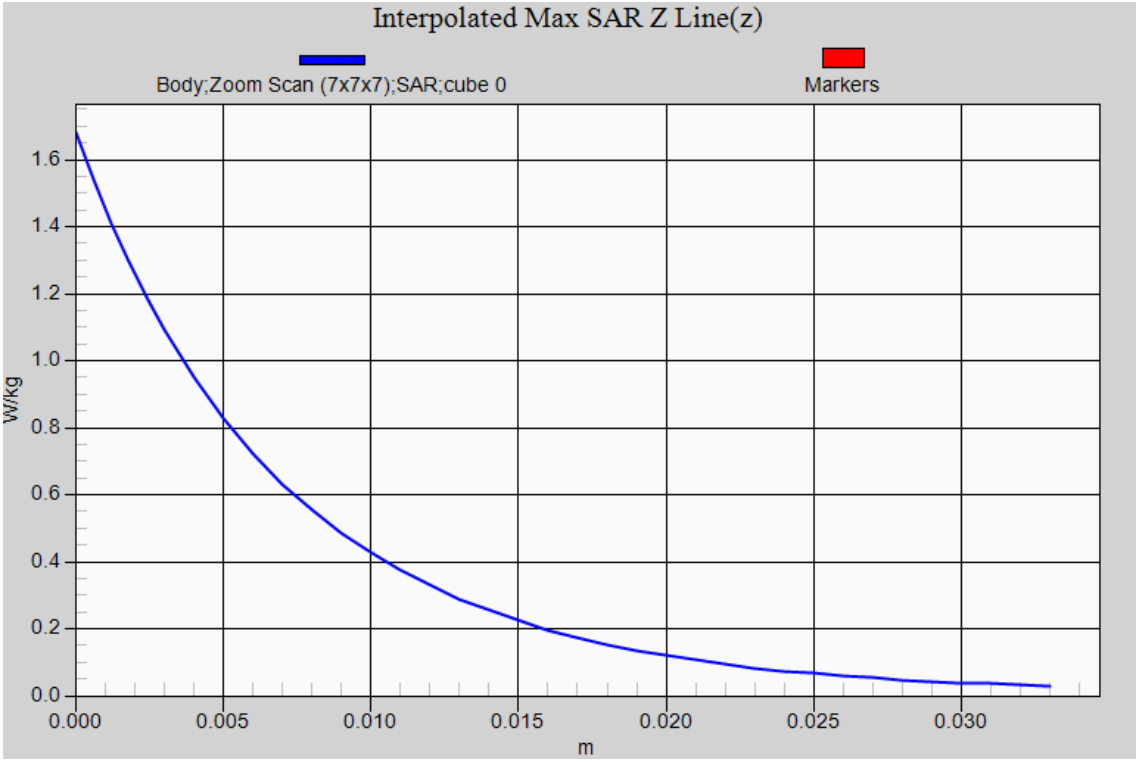
- Probe: EX3DV4 - SN3698; ConvF(6.92, 6.92, 6.92); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x21x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.02 W/kg

Configuration/Body/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.38 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.797 W/kg; SAR(10 g) = 0.375 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



802.11b EUT Bottom (Main Antenna) Z-Axis plot
Channel: 2



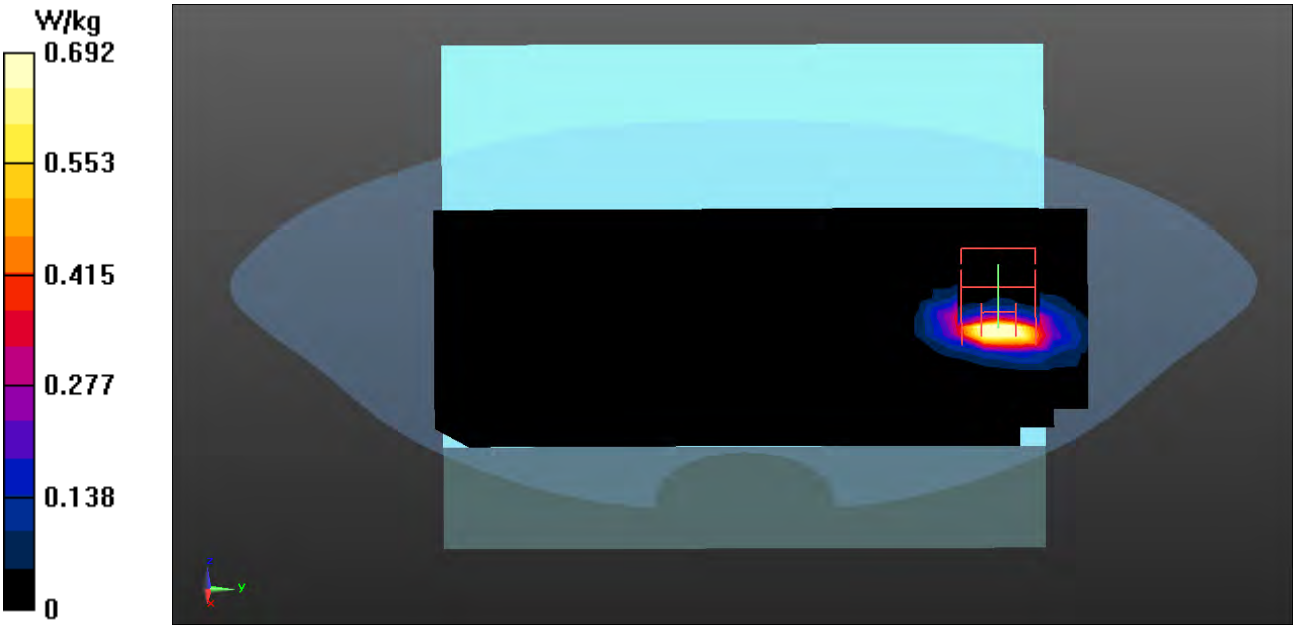
Test Laboratory: DEKRA Date/Time: 2018/07/20

802.11a_60-Back-Main
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 5G; Frequency: 5300 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 5300 MHz; σ = 5.45 S/m; ε_r = 49.05 ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.7
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.17, 4.17, 4.17); Calibrated: 2017/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (14x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.692 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.134 W/kg
Maximum value of SAR (measured) = 0.942 W/kg



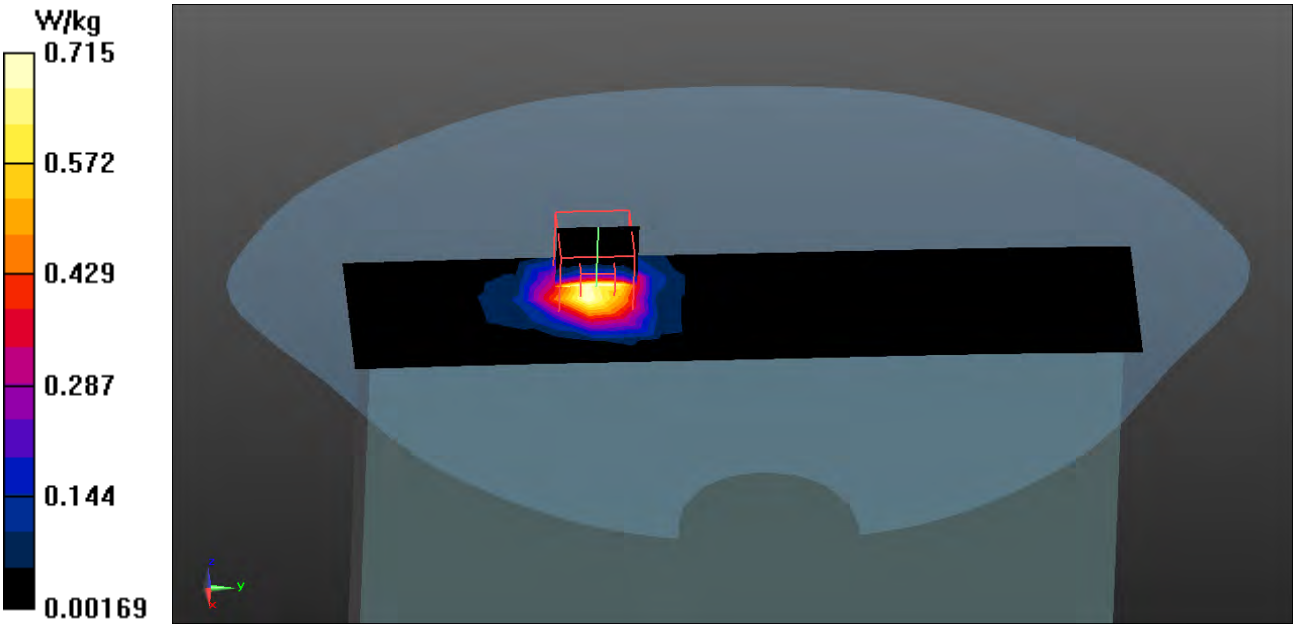
Test Laboratory: DEKRA Date/Time: 2018/07/20

802.11a_60-Bottom-Main
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 5G; Frequency: 5300 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 5300 MHz; σ = 5.45 S/m; ε_r = 49.05; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.7
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.17, 4.17, 4.17); Calibrated: 2017/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x24x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.715 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.317 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.122 W/kg
Maximum value of SAR (measured) = 0.915 W/kg



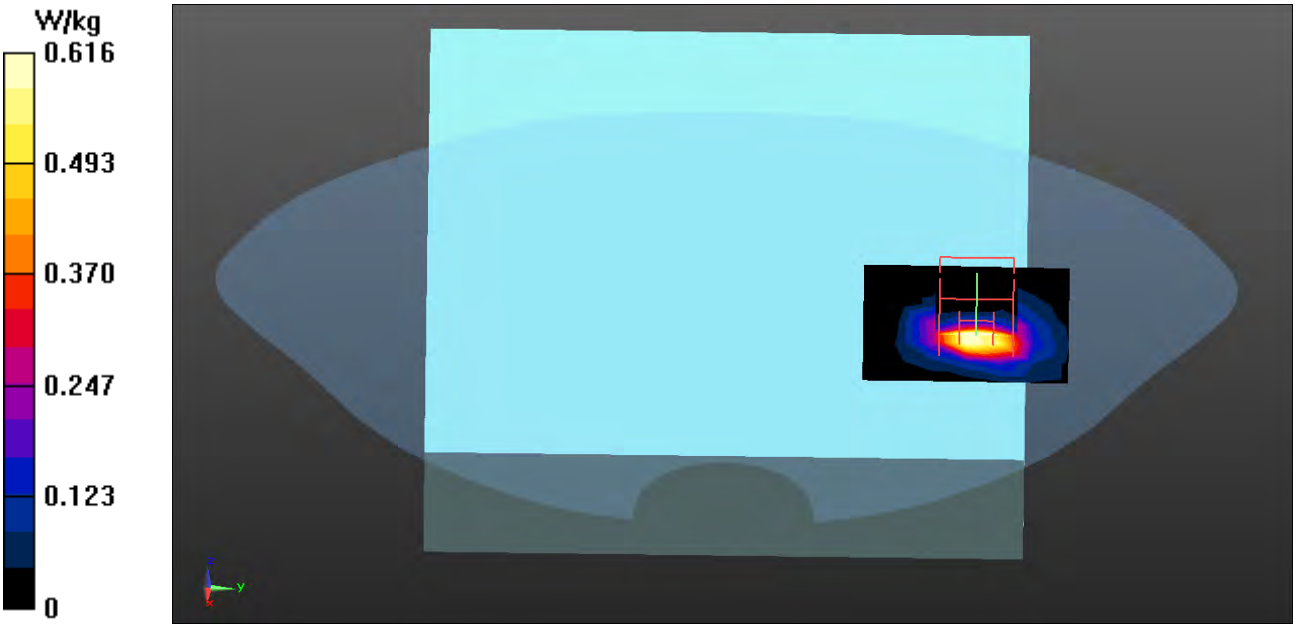
Test Laboratory: DEKRA Date/Time: 2018/07/20

802.11n-40M_126-Back-Main
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 5G; Frequency: 5630 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 5630 MHz; σ = 5.92 S/m; ε_r = 48.19; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.7
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(3.8, 3.8, 3.8); Calibrated: 2017/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.616 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.117 W/kg
Maximum value of SAR (measured) = 0.842 W/kg



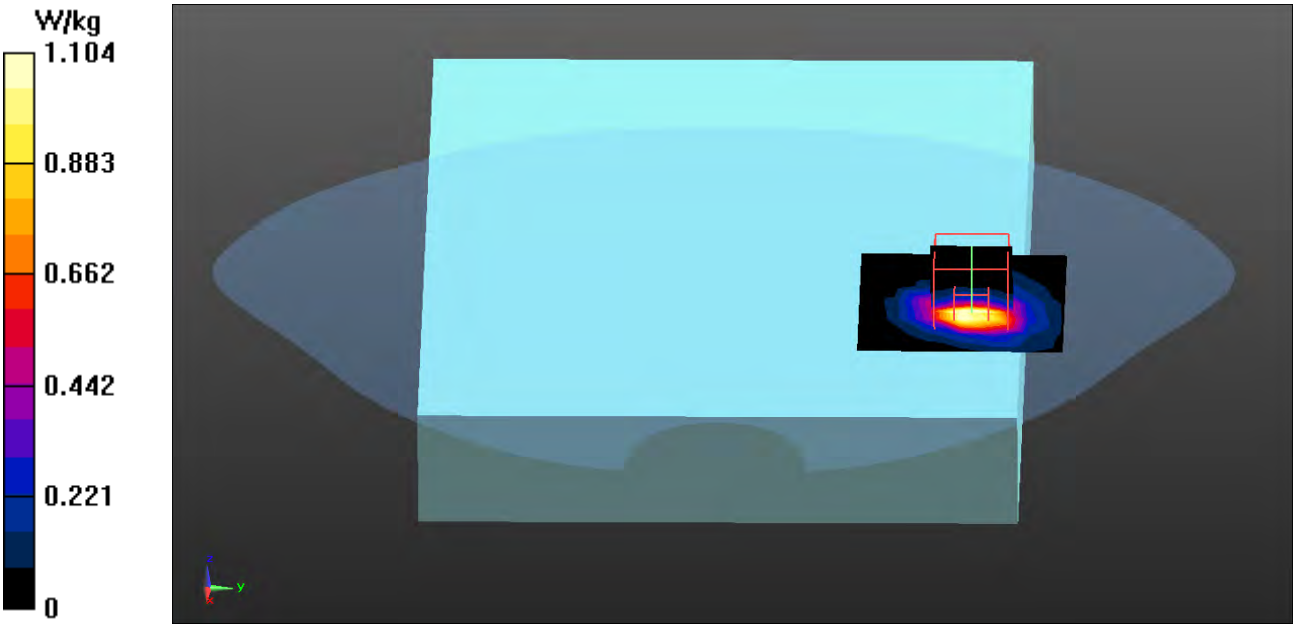
Test Laboratory: DEKRA Date/Time: 2018/07/20

802.11ac-80M_155-Back-Main
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 5775 MHz; σ = 6.17 S/m; ε_r = 47.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.7
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

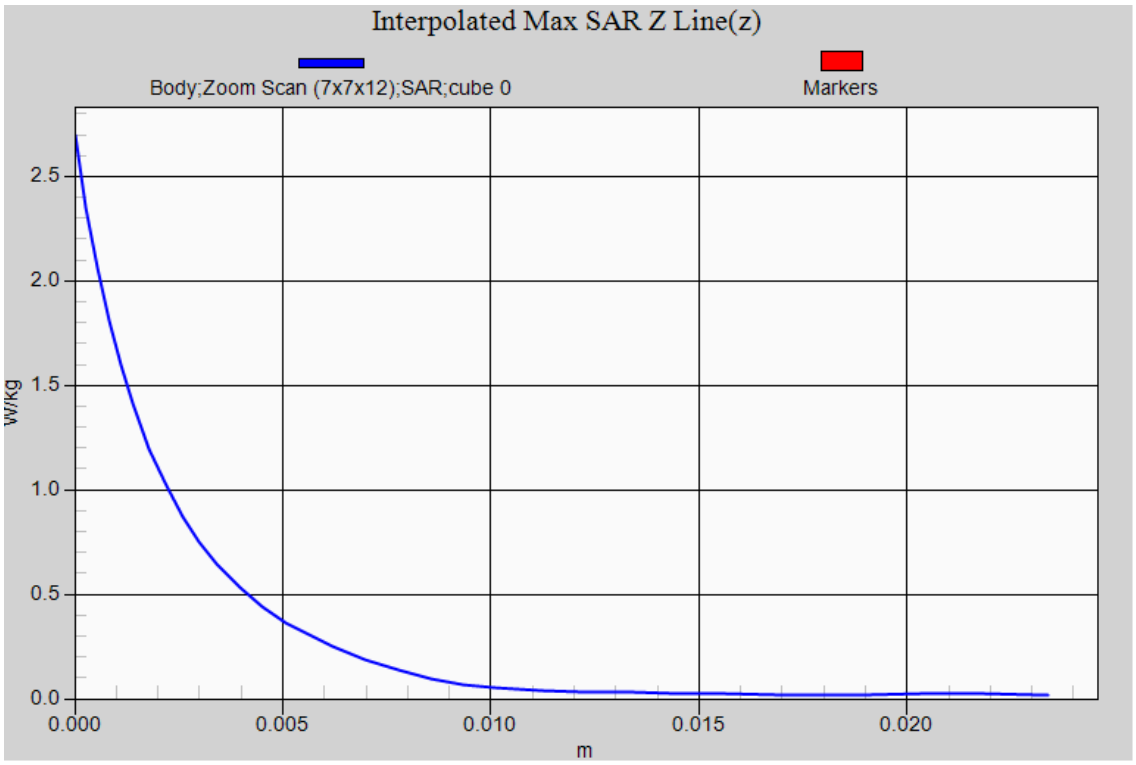
- Probe: EX3DV4 - SN3698; ConvF(3.96, 3.96, 3.96); Calibrated: 2017/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.10 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.70 W/kg
SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.188 W/kg
Maximum value of SAR (measured) = 1.42 W/kg



802.11ac-80M EUT Back (Main Antenna) Z-Axis plot
Channel: 155



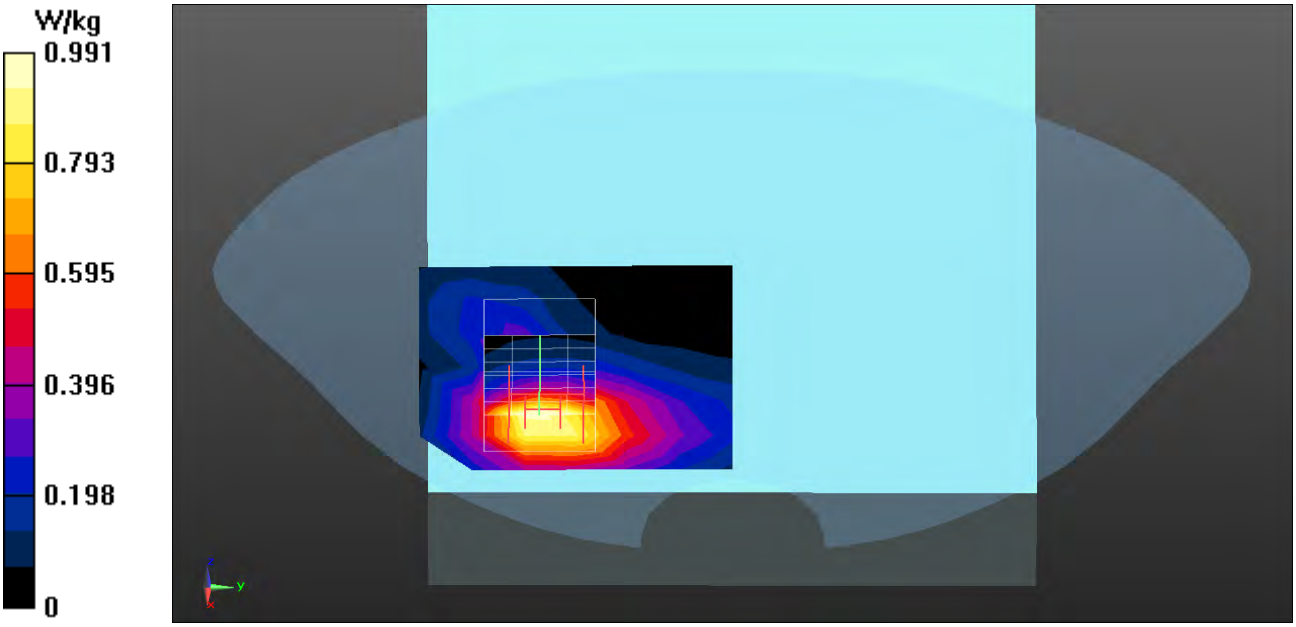
Test Laboratory: DEKRA Date/Time: 2018/07/05

WCDMA_B2_RMC_9400-Back_Pwr Off-6mm_Body-verify
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC WCDMA_Band-2; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.991 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.165 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.529 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



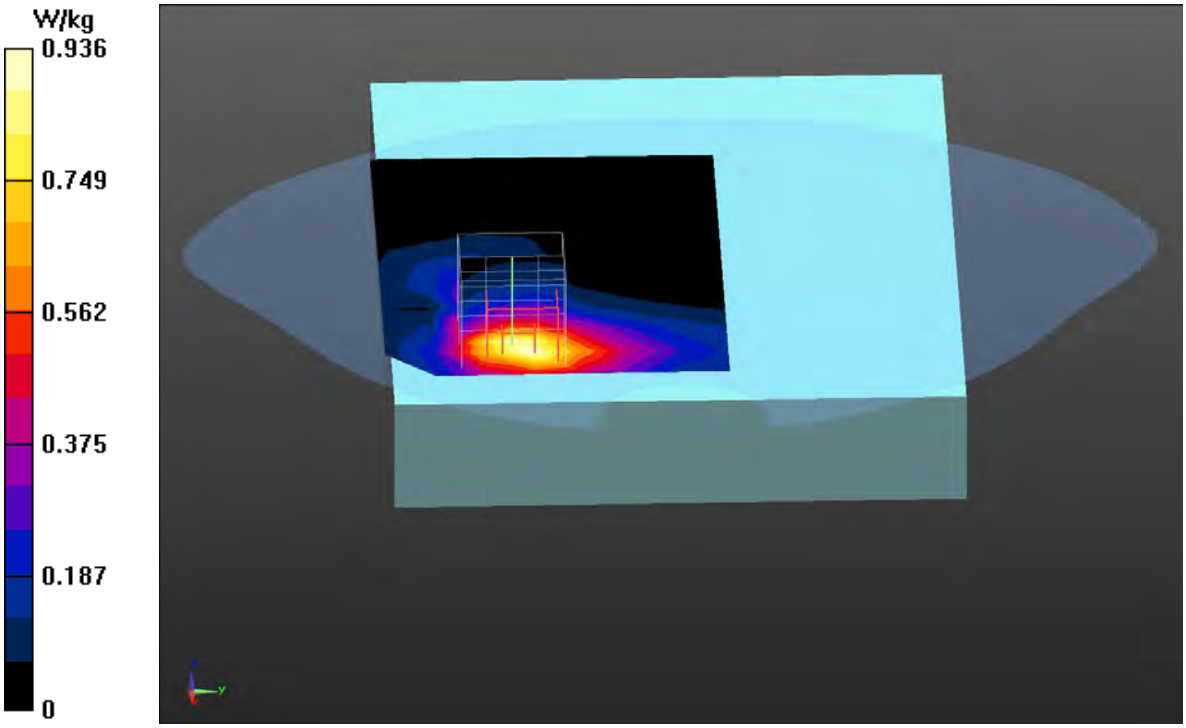
Test Laboratory: DEKRA Date/Time: 2018/07/05

CDMA_BC1_600-Back_Pwr Off-6mm_Body-verify
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.936 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.806 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.814 W/kg; SAR(10 g) = 0.482 W/kg
Maximum value of SAR (measured) = 0.979 W/kg



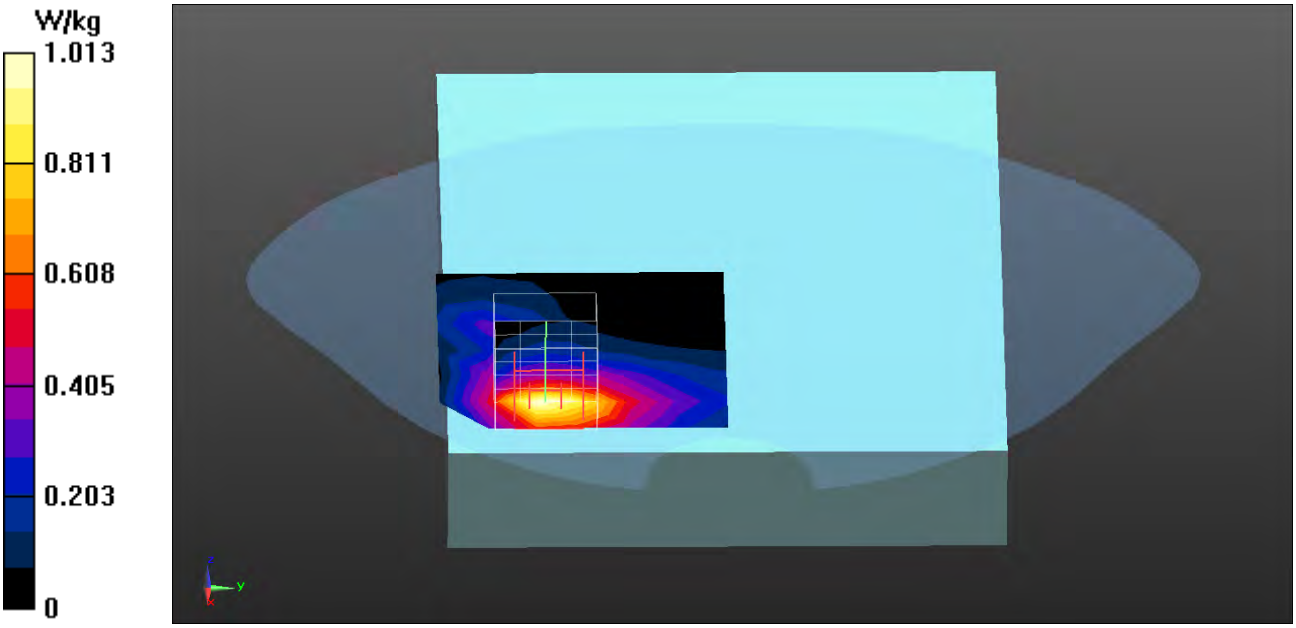
Test Laboratory: DEKRA Date/Time: 2018/07/05

1xEVDO_BC1_600-Back_Pwr Off-6mm_Body-verify
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, FCC CDMA EVDO-1900MHz; Frequency: 1880 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.55 S/m; ε_r = 54.42; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.01 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.295 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.513 W/kg
Maximum value of SAR (measured) = 1.05 W/kg



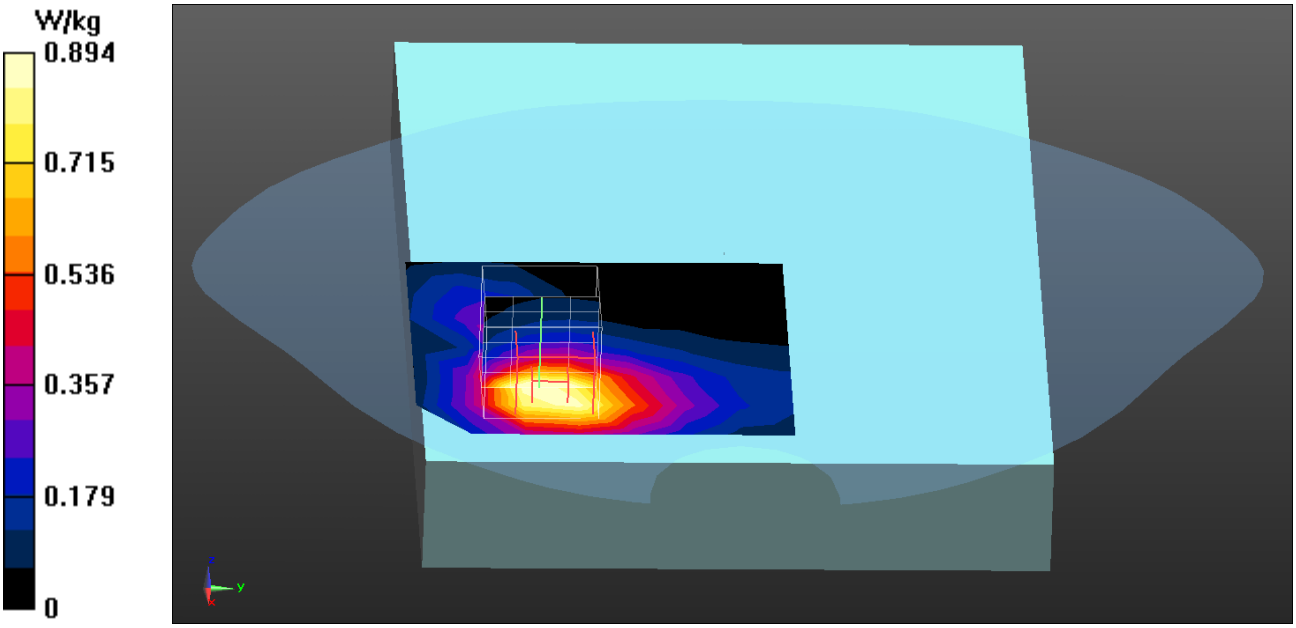
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B2_QPSK_20M_18700_1RB-0-Back_Pwr Off-6mm_Body-verify
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band2; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.894 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.857 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.874 W/kg; SAR(10 g) = 0.512 W/kg
Maximum value of SAR (measured) = 1.05 W/kg



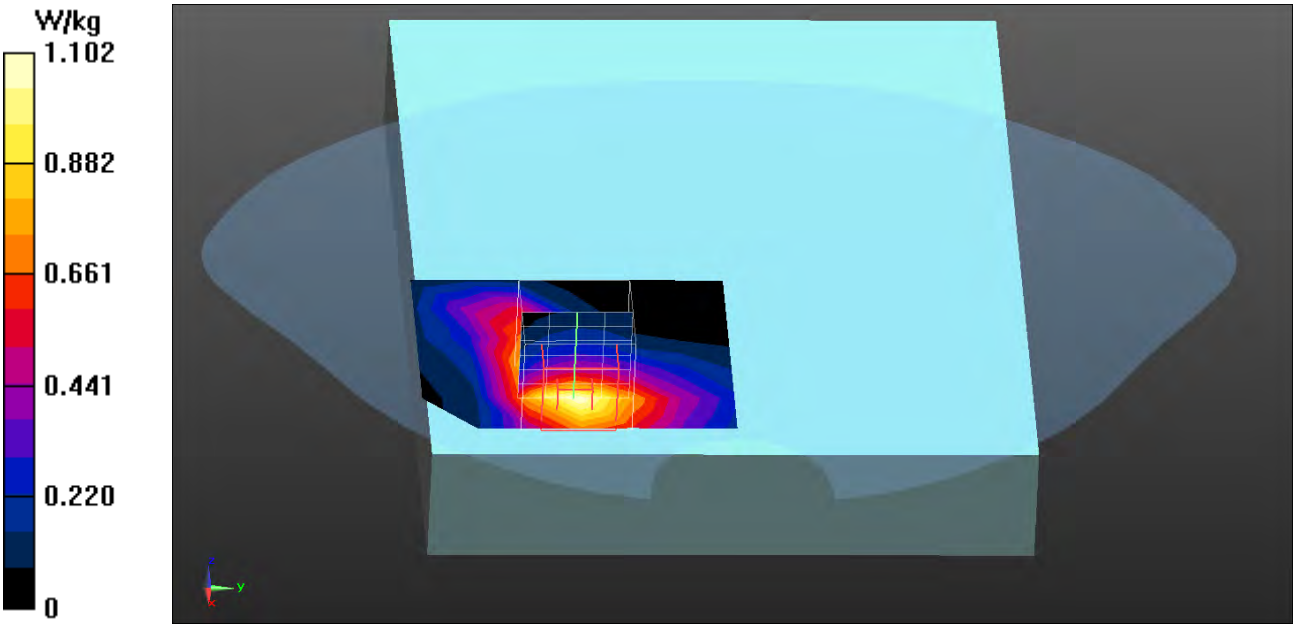
Test Laboratory: DEKRA Date/Time: 2018/07/04

LTE_B4_QPSK_20M_20175_1RB-99-Back_Pwr Off-6mm_Body-verify
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band4; Frequency: 1732.5 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1732.5 MHz; σ = 1.48 S/m; ε_r = 55.04; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.7, Liquid Temperature (°C) : 20.5
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.10 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.189 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.577 W/kg
Maximum value of SAR (measured) = 1.12 W/kg



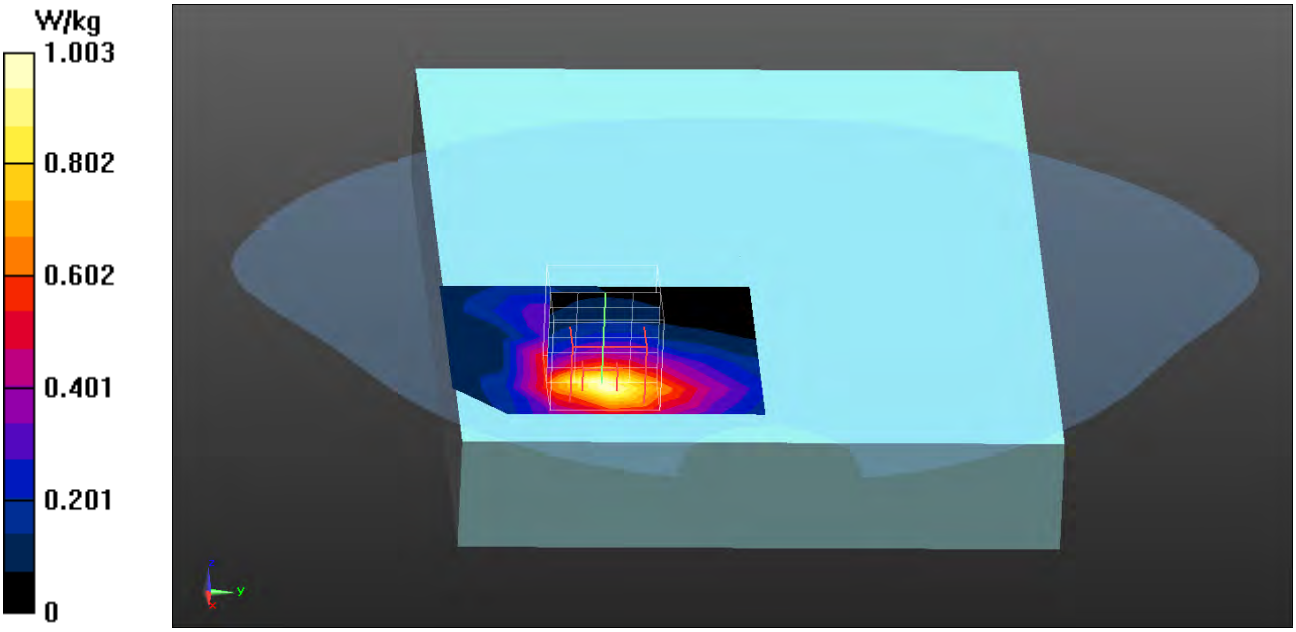
Test Laboratory: DEKRA Date/Time: 2018/07/05

LTE_B25_QPSK_20M_26140_1RB-99-Back_Pwr Off-6mm_Body-verify
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, LTE Band25; Frequency: 1860 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 1860 MHz; σ = 1.53 S/m; ε_r = 54.51; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.8, Liquid Temperature (°C) : 20.4
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.22, 7.22, 7.22); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.00 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.655 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.497 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



Test Laboratory: DEKRA Date/Time: 2018/07/19

802.11b_2-Bottom-Main-Verify
DUT: Intelligent Vehicle Gateway; Type: IVG LTE
Communication System: UID 0, WLAN 2.4G; Frequency: 2417 MHz;
Communication System PAR: 0 dB
Medium parameters used: f = 2417 MHz; σ = 1.91 S/m; ε_r = 52.48; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature (°C) : 21.9, Liquid Temperature (°C) : 20.8
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(6.92, 6.92, 6.92); Calibrated: 2017/11/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2017/11/16
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (5x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.06 W/kg

Configuration/Body/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.05 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.390 W/kg
Maximum value of SAR (measured) = 1.08 W/kg