DAkkS Deutsche Akkreditierungsstelle D-PL-12139-01-00

The Testcenter facility 'Dosimetric Test Lab' within IMST GmbH is accredited by the German National 'Deutsche Akkreditierungsstelle GmbH (DAkkS)' for testing according to the scope as listed in the accreditation certificate: D-PL-12139-01-00.

Appendix for the SAR Test Report

Dosimetric Assessment of the Emergency Locator Buddi Click System - Clip from buddi Limited

(FCC ID: ZDL353A)

According to the FCC Requirements SAR Distribution Plots

November 26, 2014

IMST GmbH

Carl-Friedrich-Gauß-Str. 2 - 4

D-47475 Kamp-Lintfort

Customer

TRaC Global Limited

Unit 1, Pendle Place, Skelmersdale

West Lancashire, WN8 9PN,

UK

1 SAR Distribution Plots

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: Buddi_020_bahl_pos1_voice_5mm.da4

DUT: Care Innovations; Type: Buddi; Serial: C00020
Program Name: GSM850

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; σ = 0.88 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(6.42, 6.42, 6.42); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Voice/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.600 mW/g
Voice/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.7 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.339 mW/g
Maximum value of SAR (measured) = 0.681 mW/g

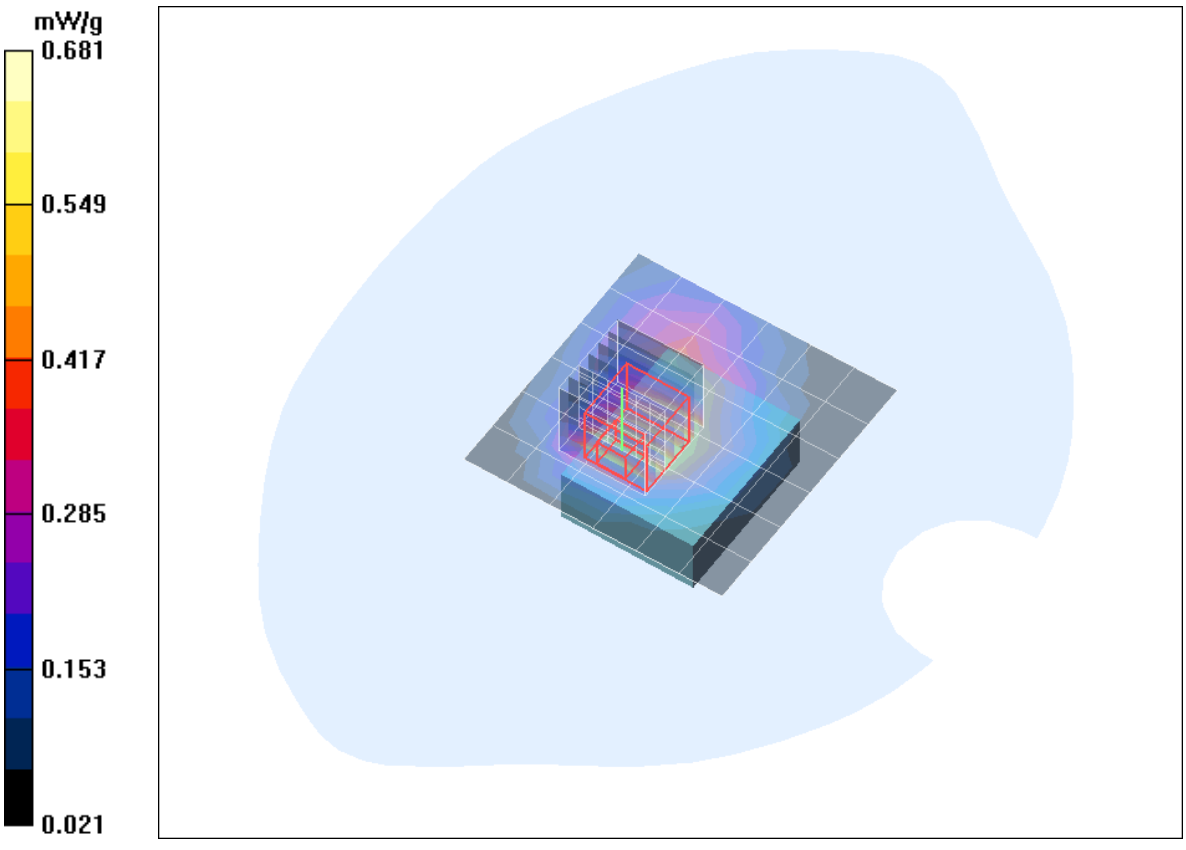

Fig. 1: SAR distribution for GSM 850, channel 128, top side, gap = 5 mm (September 30, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: Buddi_020_yphl_pos1_voice_7mm.da4

DUT: Care Innovations; Type: Buddi; Serial: C00020
Program Name: PCS 1900

Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.38 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(5.19, 5.19, 5.19); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2014
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Voice/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.31 mW/g
Voice/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.3 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.639 mW/g
Maximum value of SAR (measured) = 1.36 mW/g

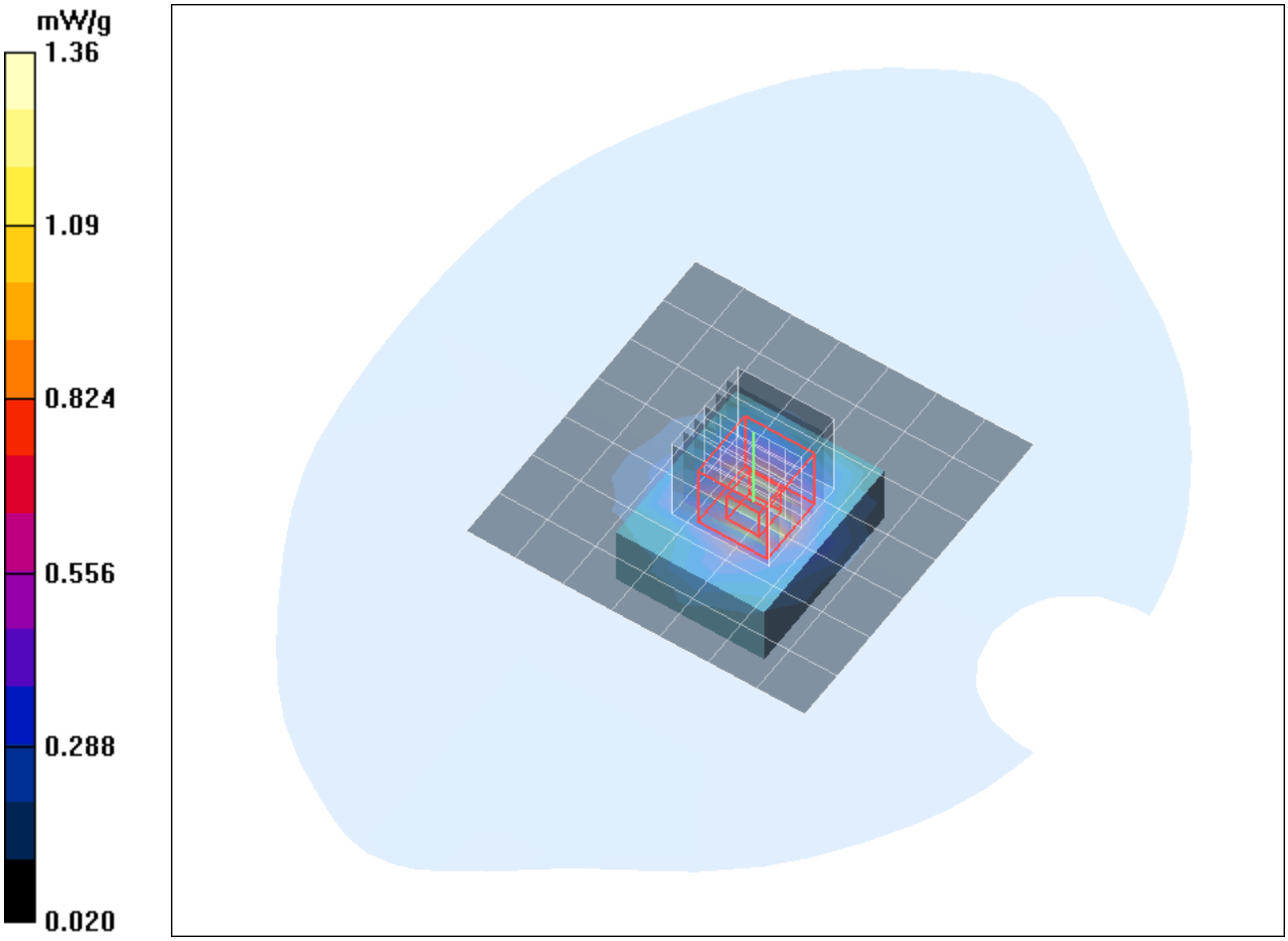

Fig. 2: SAR distribution for PCS 1900, channel 512, top side, gap = 7 mm (November 10, 2014)

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: Buddi_020_bahl_pos1_2TX_0mm.da4

DUT: Care Innovations; Type: Buddi; Serial: C00020
Program Name: GPRS850 (Class 10)

Communication System: GPRS 850; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium parameters used: f = 824.2 MHz; σ = 0.98 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(6.25, 6.25, 6.25); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Voice/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.57 mW/g
Voice/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 35.9 V/m; Power Drift = 0.084 dB
Peak SAR (extrapolated) = 6.86 W/kg
SAR(1 g) = 2.1 mW/g; SAR(10 g) = 0.956 mW/g
Maximum value of SAR (measured) = 2.39 mW/g

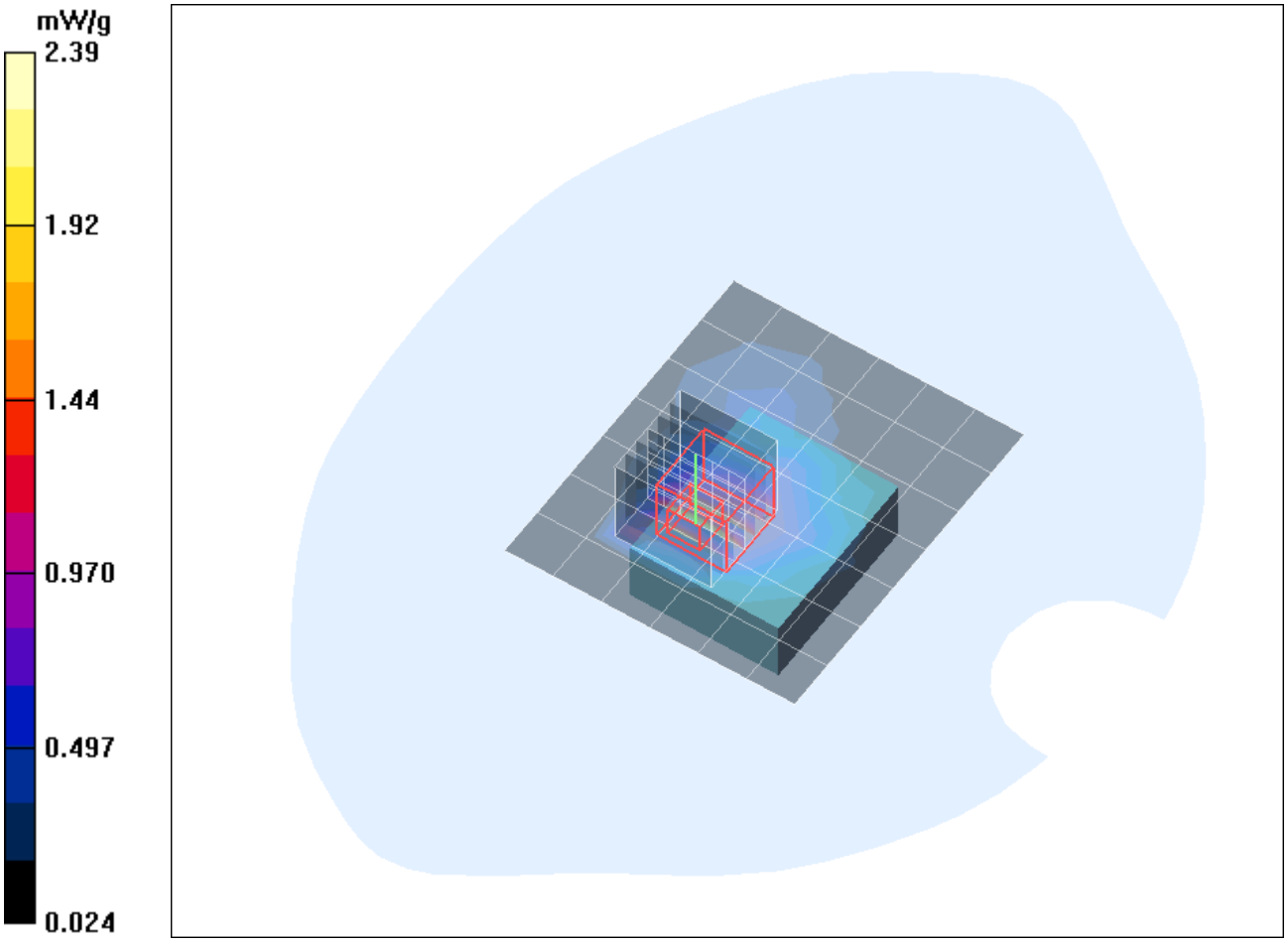

Fig. 3: SAR distribution for GPRS 850, channel 128, top side, gap = 0 mm (November 14, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: Buddi_020_yphm_pos1_2TX_0mm.da4

DUT: Care Innovations; Type: Buddi; Serial: C00020
Program Name: GPRS 1900 (Class 10)

Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(4.49, 4.49, 4.49); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2014
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.45 mW/g
Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 67.6 V/m; Power Drift = -0.198 dB
Peak SAR (extrapolated) = 9.79 W/kg
SAR(1 g) = 5.67 mW/g; SAR(10 g) = 2.78 mW/g
Maximum value of SAR (measured) = 6.52 mW/g

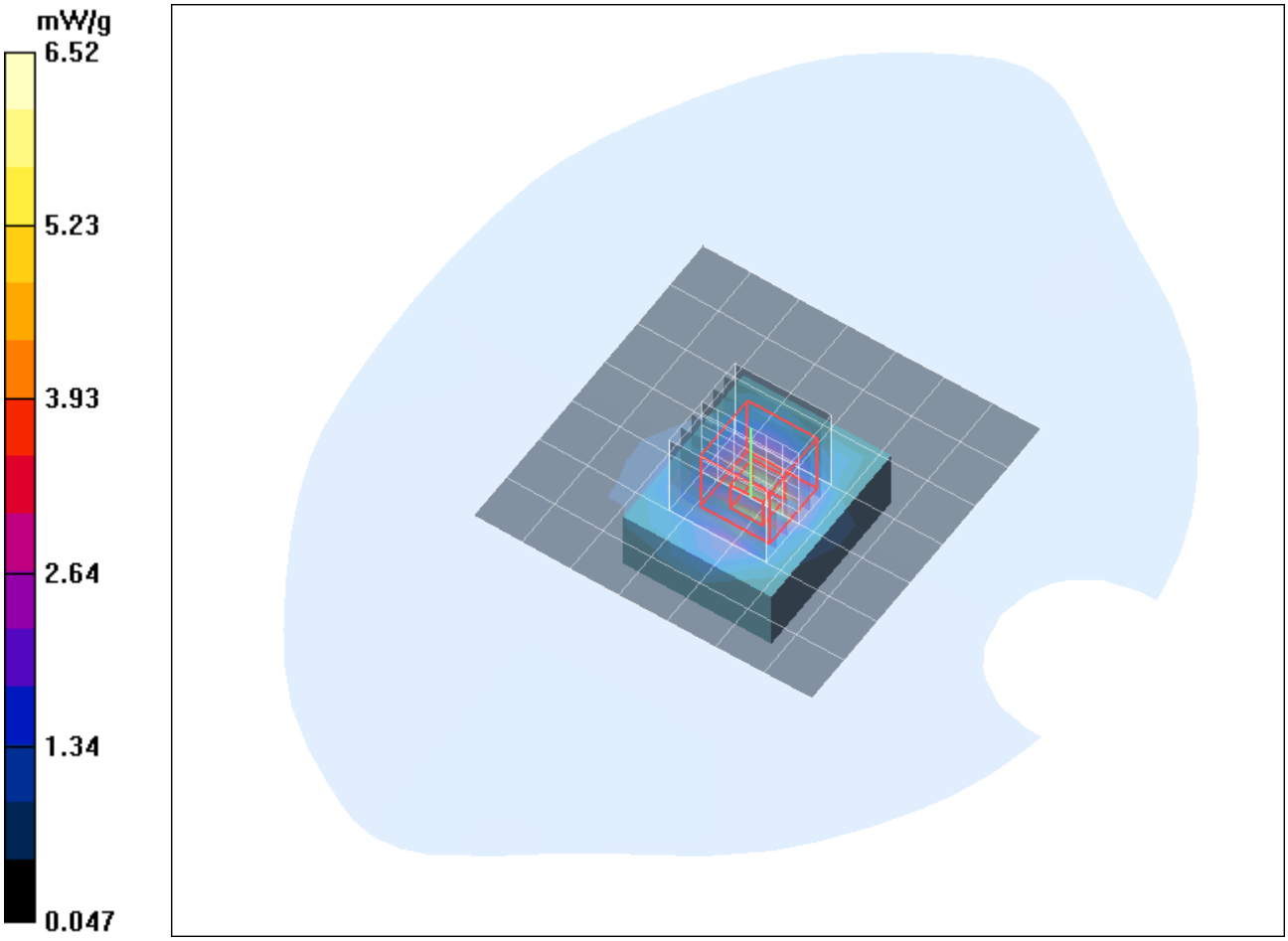

Fig. 4: SAR distribution for GPRS 1900, channel 661, top side, gap = 0 mm (October 22, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: Buddi_020_yphl_pos1_2TX_0mm.da4

DUT: Care Innovations; Type: Buddi; Serial: C00020
Program Name: GPRS 1900 (Class 10)

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1850.2 MHz; σ = 1.46 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6R - SN1579; ConvF(4.49, 4.49, 4.49); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2014
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.72 mW/g
Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 69.2 V/m; Power Drift = -0.086 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 6.04 mW/g; SAR(10 g) = 2.98 mW/g
Maximum value of SAR (measured) = 6.92 mW/g

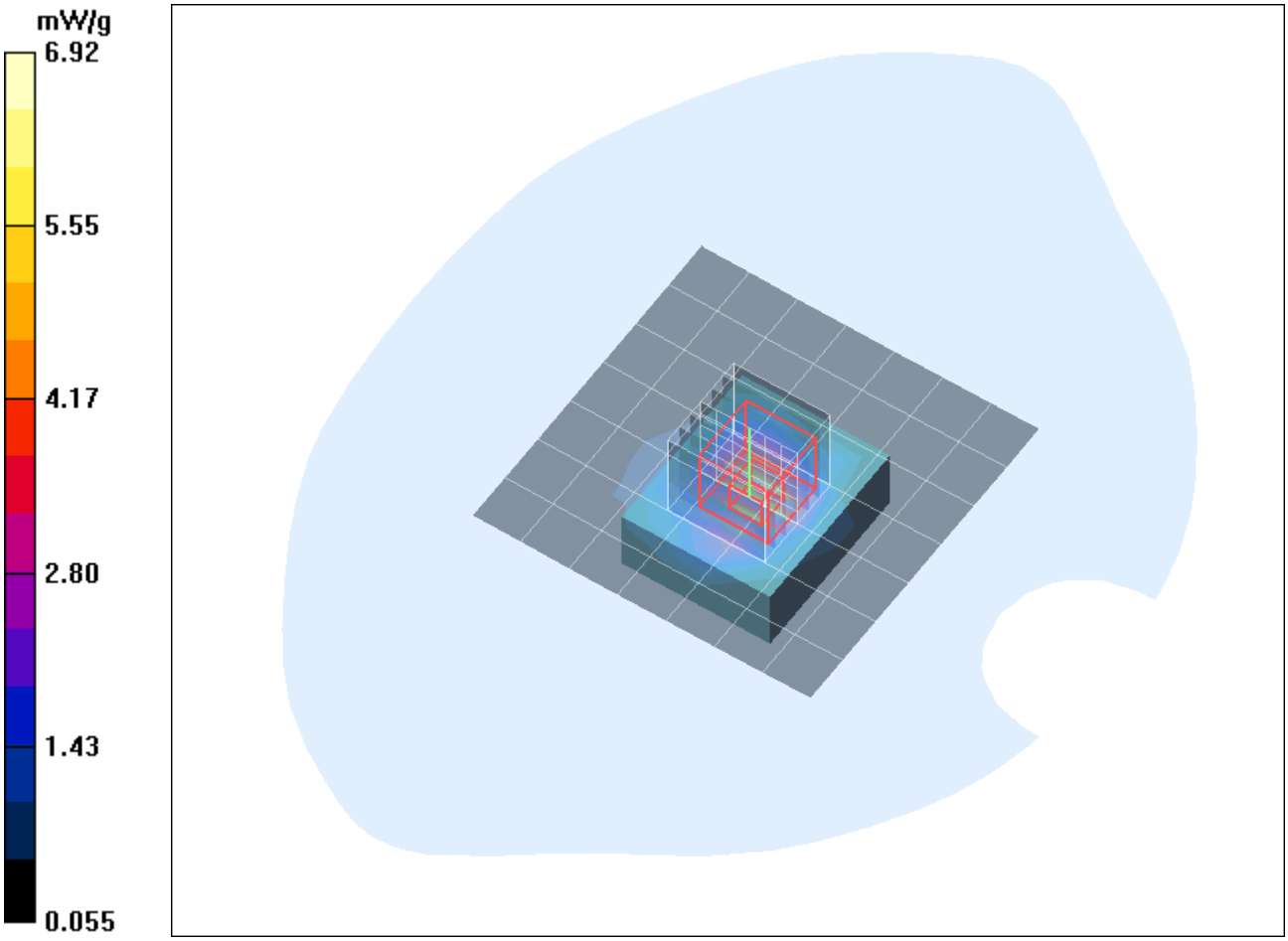

Fig. 5: SAR distribution for GPRS 1900, channel 512, top side, gap = 0 mm (October 22, 2014)