P1528_OET65-GPRS (1 timeslot in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1909.8 MHz

Medium parameters used: f = 1910 MHz; σ = 1.54 mho/m; ε_r = 50.8; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM1; Type: SAM; Serial: TP-1475

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
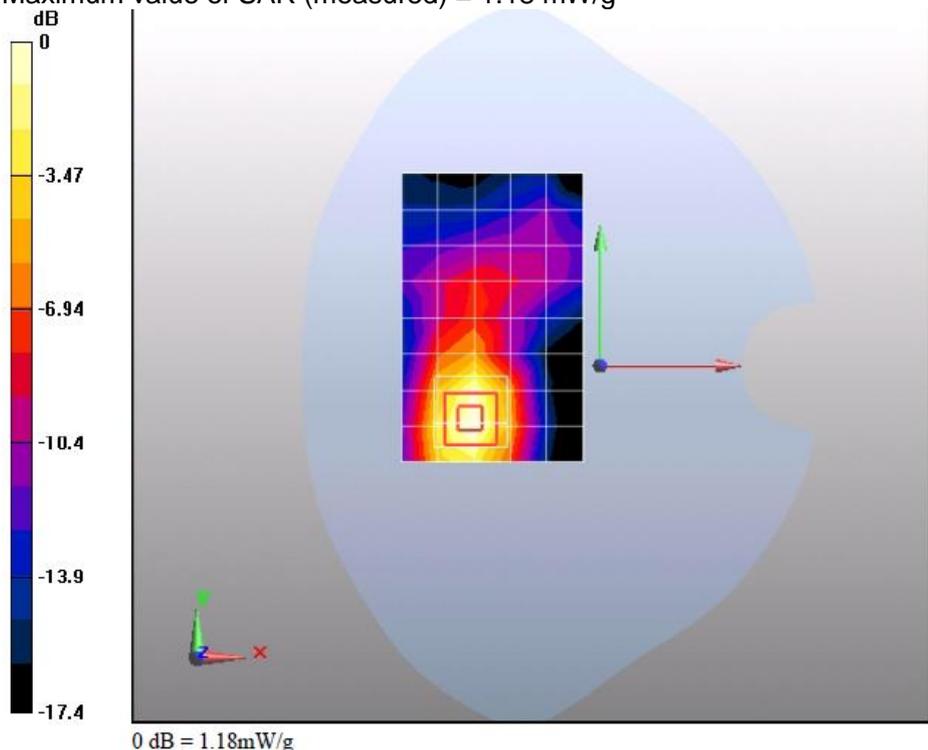
Maximum value of SAR (measured) = 1.17 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.4 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.597 mW/g

Maximum value of SAR (measured) = 1.18 mW/g

0 dB = 1.18mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

P1528_OET65-GPRS (1 timeslot in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

. Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

. Sensor-Surface: 4mm (Mechanical Surface Detection)

. Electronics: DAE4 Sn852; Calibrated: 12/24/2010

. Phantom: SAM1; Type: SAM; Serial: TP-1475

. Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.804 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
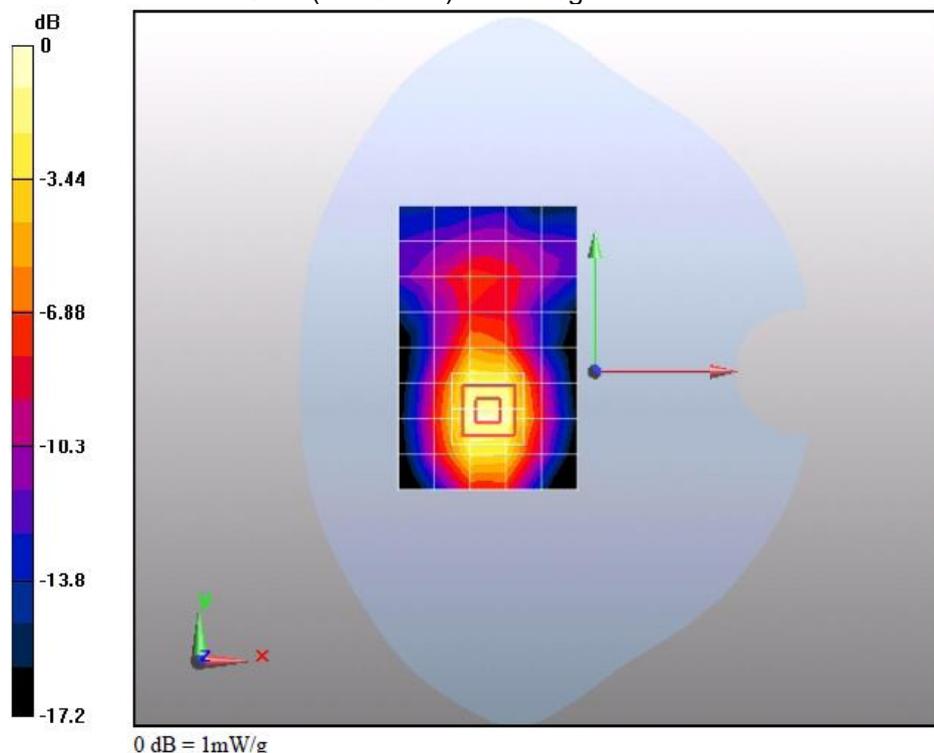
Reference Value = 5.84 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.510 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1 mW/g

0 dB = 1mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

P1528_OET65-EGPRS (1 timeslot in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz

Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM1; Type: SAM; Serial: TP-1475

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
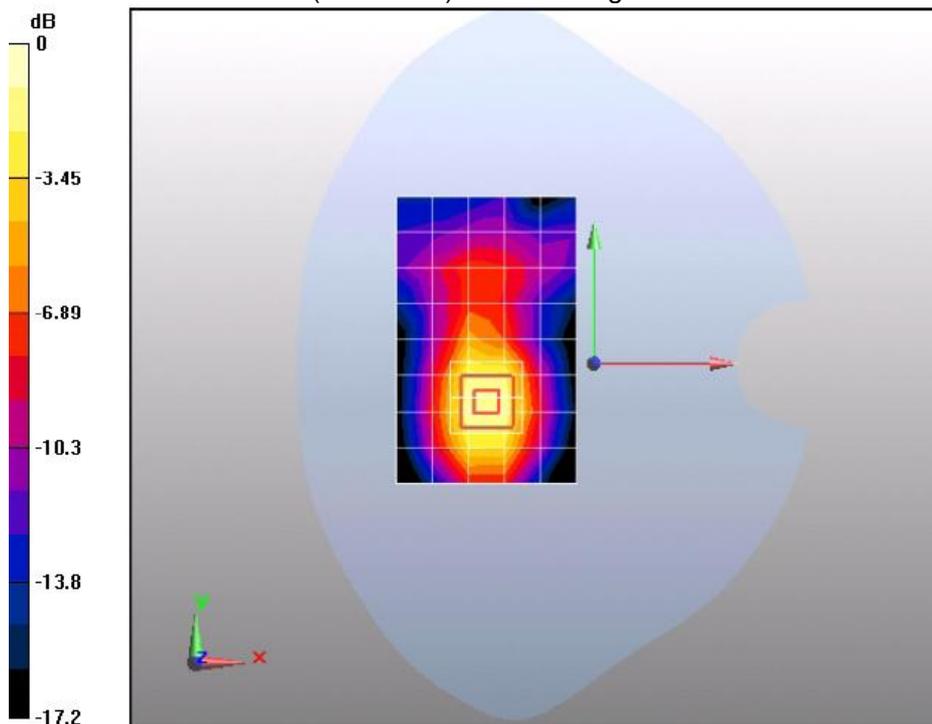
Maximum value of SAR (measured) = 0.841 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.92 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.971 mW/g; SAR(10 g) = 0.546 mW/g

Maximum value of SAR (measured) = 1.08 mW/g

0 dB = 1.08mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

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P1528_OET65-EGPRS (2 timeslots in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  Phantom: SAM1; Type: SAM; Serial: TP-1475
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
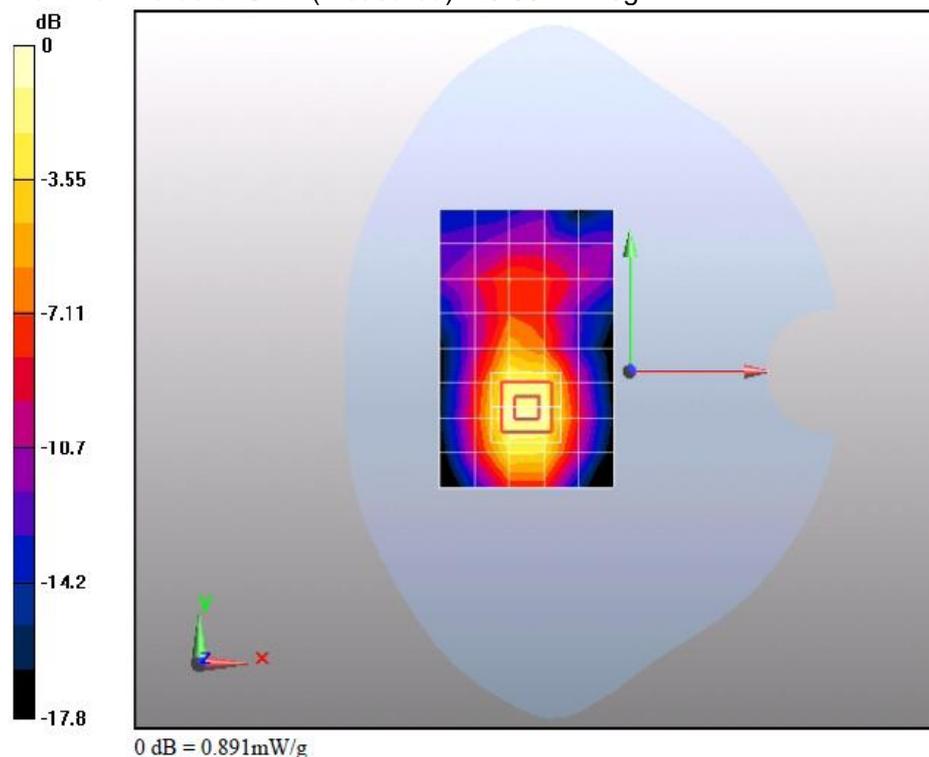Maximum value of SAR (measured) = 0.704 mW/g
E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.4 V/m; Power Drift = 0.170 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.454 mW/g
Maximum value of SAR (measured) = 0.891 mW/g

0 dB = 0.891mW/g

Additional information:
position or distance of DUT to SAM: 5 mm
ambient temperature: 22.0 °C; liquid temperature: 22.1°C

P1528_OET65-EGPRS (3 timeslots in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 1880 MHz

Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM1; Type: SAM; Serial: TP-1475

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

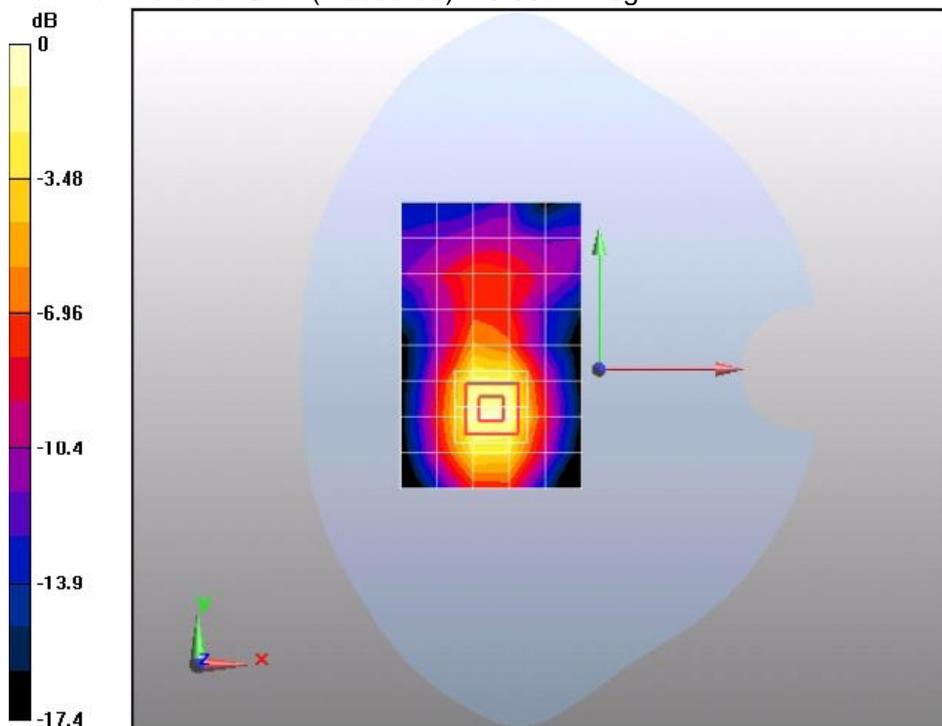Maximum value of SAR (measured) = 0.772 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.69 V/m; Power Drift = 0.129 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.490 mW/g

Maximum value of SAR (measured) = 0.964 mW/g

0 dB = 0.964mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

Date/Time: 1/15/2011 12:27:11 AM

P1528_OET65-EGPRS (4 timeslots in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 1880 MHz

Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

˙ Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

˙ Sensor-Surface: 4mm (Mechanical Surface Detection)

˙ Electronics: DAE4 Sn852; Calibrated: 12/24/2010

˙ Phantom: SAM1; Type: SAM; Serial: TP-1475

˙ Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
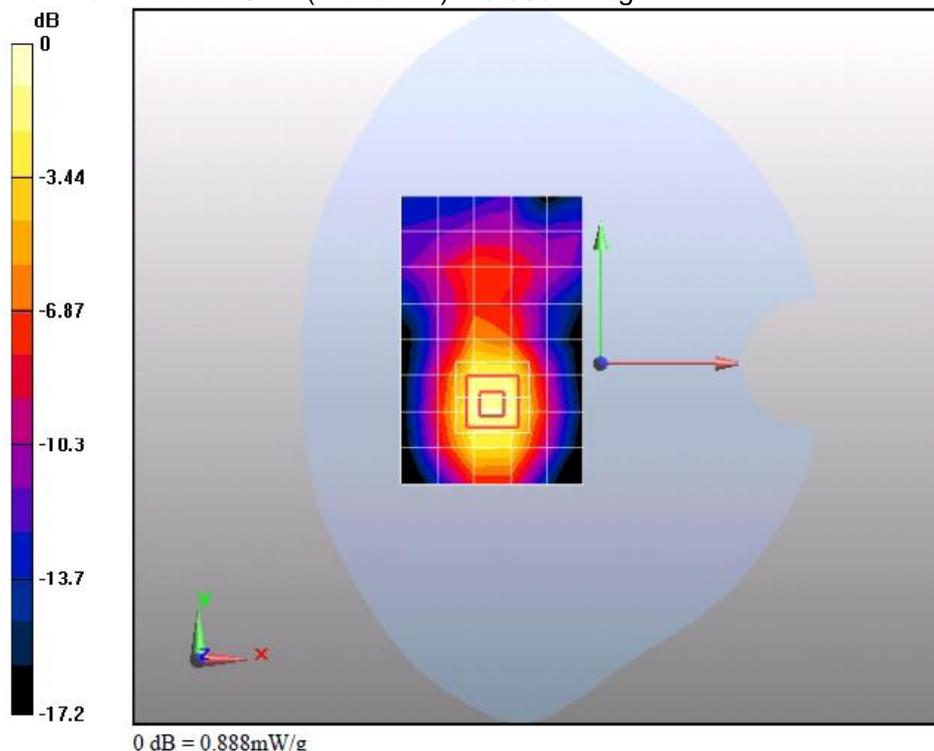
Maximum value of SAR (measured) = 0.704 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.35 V/m; Power Drift = 0.186 dB

Peak SAR (extrapolated) = 1.3 W/kg

SAR(1 g) = 0.805 mW/g; SAR(10 g) = 0.453 mW/g

Maximum value of SAR (measured) = 0.888 mW/g

0 dB = 0.888mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

Date/Time: 1/15/2011 2:31:38 AM

P1528_OET65-EGPRS (1 timeslot in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1909.8 MHz

Medium parameters used: f = 1910 MHz; σ = 1.54 mho/m; $ε_r$ = 50.8; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn852; Calibrated: 12/24/2010

 Phantom: SAM1; Type: SAM; Serial: TP-1475

 Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

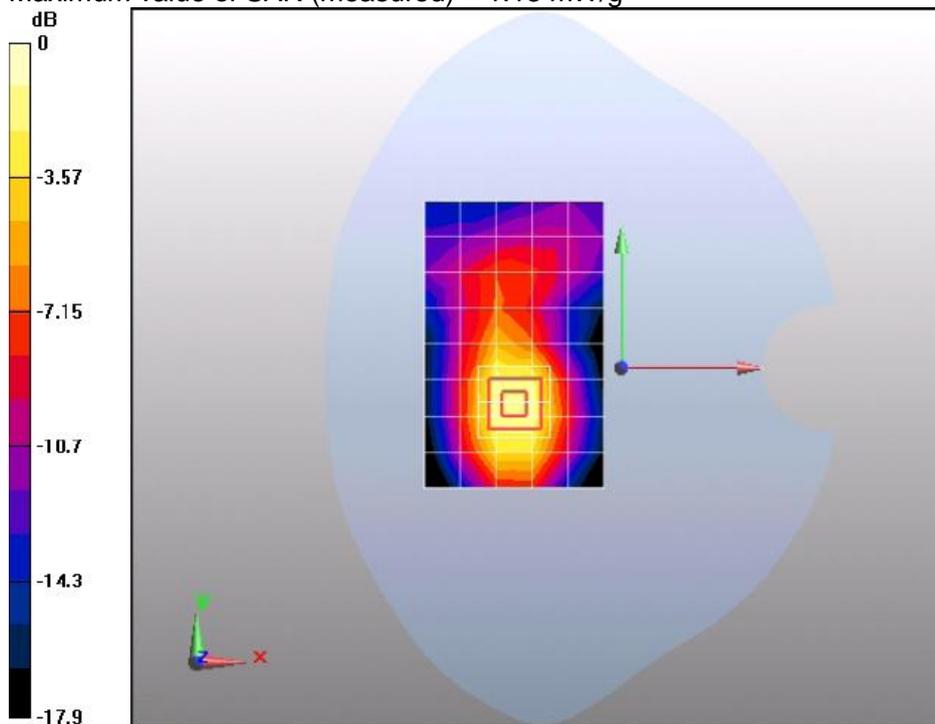Maximum value of SAR (measured) = 0.862 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.98 V/m; Power Drift = -0.146 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.568 mW/g

Maximum value of SAR (measured) = 1.13 mW/g

0 dB = 1.13mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

P1528_OET65-EGPRS (1 timeslot in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/24/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.781 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
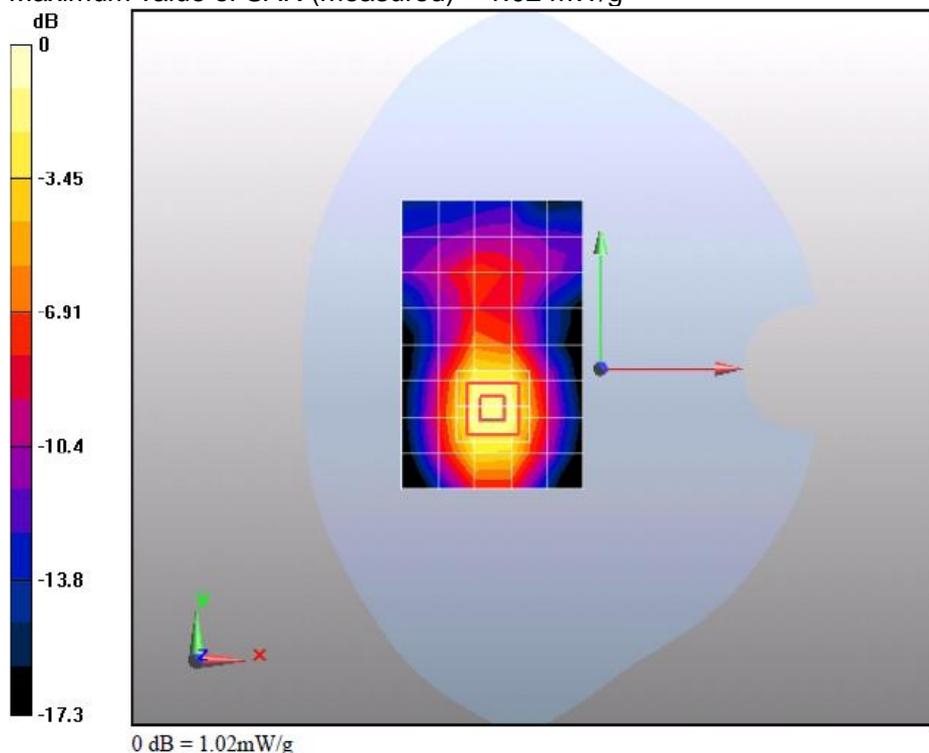
Reference Value = 5.56 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.514 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.02 mW/g

0 dB = 1.02mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

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P1528_OET65-EGPRS (2 timeslots in uplink) with ThinkPad X301 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1909.8 MHz
Medium parameters used: f = 1910 MHz; σ = 1.54 mho/m; εr = 50.8; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  Phantom: SAM1; Type: SAM; Serial: TP-1475
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
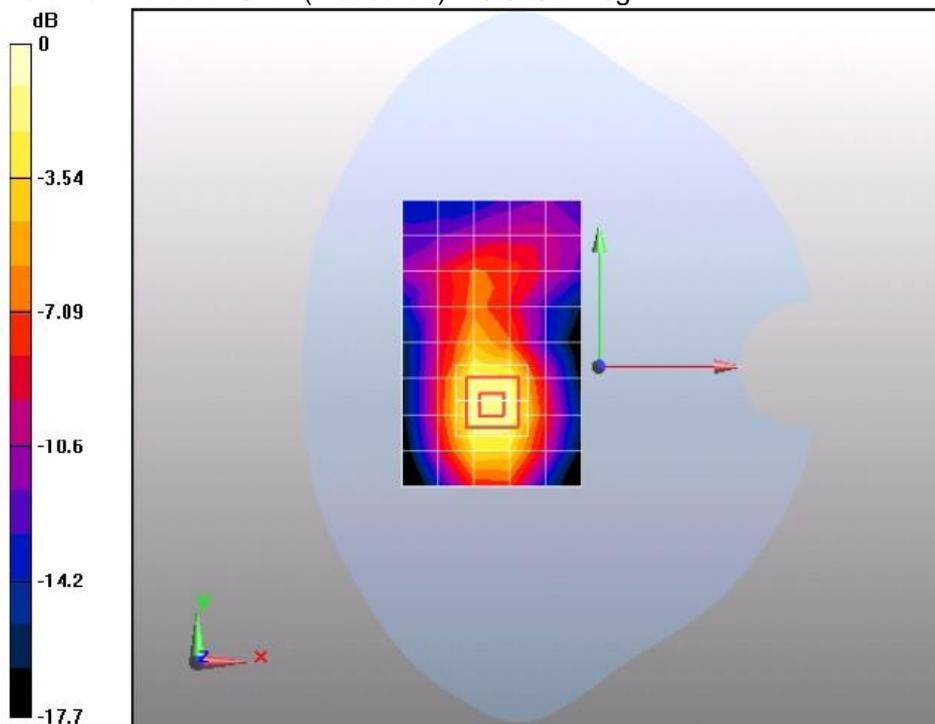Maximum value of SAR (measured) = 0.720 mW/g
E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.49 V/m; Power Drift = 0.164 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.476 mW/g
Maximum value of SAR (measured) = 0.943 mW/g

0 dB = 0.943mW/g

Additional information:
position or distance of DUT to SAM: 5 mm
ambient temperature: 22.0 °C; liquid temperature: 22.1°C

P1528_OET65-EGPRS (2 timeslots in uplink) with ThinkPad T61 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM1; Type: SAM; Serial: TP-1475

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.650 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
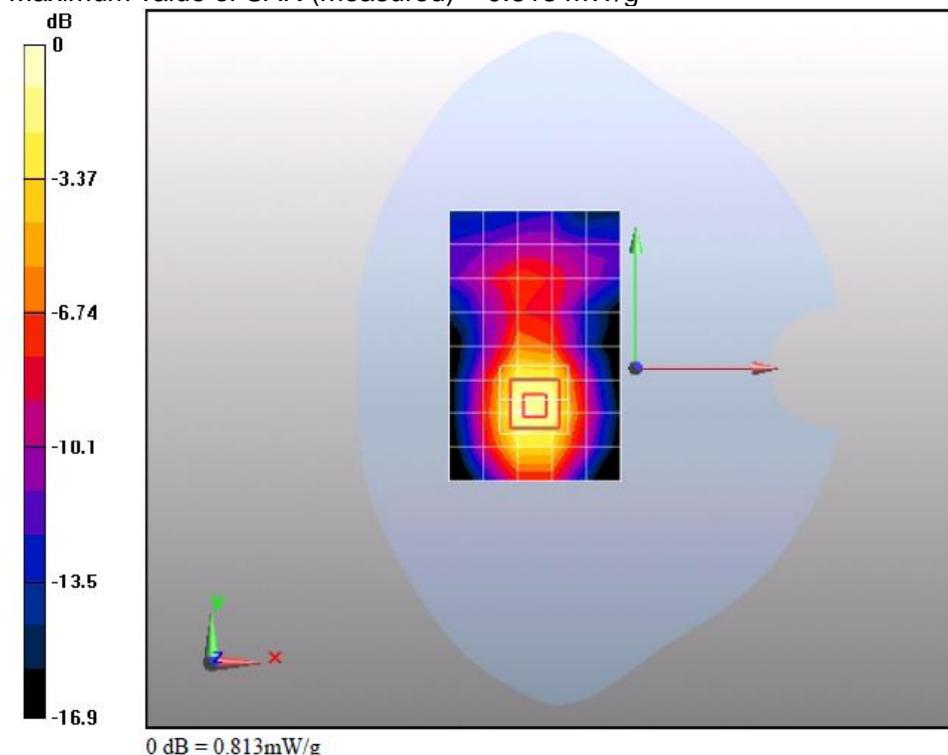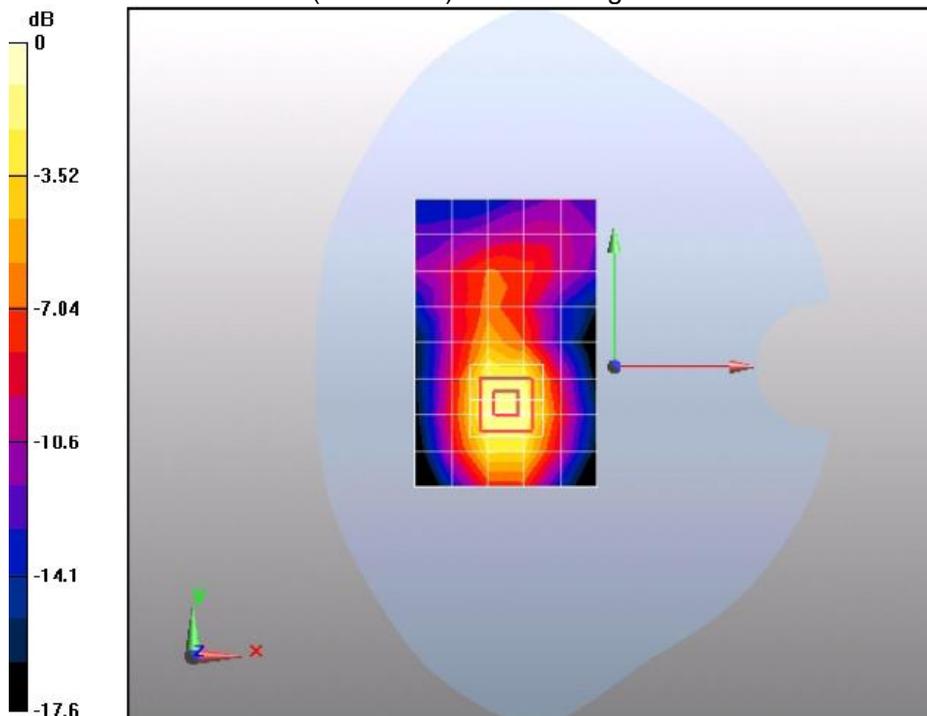
Reference Value = 5.23 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.416 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.813 mW/g

0 dB = 0.813mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

P1528_OET65-EGPRS (3 timeslots in uplink) with ThinkPad T61 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 1909.8 MHz

Medium parameters used: f = 1910 MHz; σ = 1.54 mho/m; ε_r = 50.8; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

　Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

　Sensor-Surface: 4mm (Mechanical Surface Detection)

　Electronics: DAE4 Sn852; Calibrated: 12/24/2010

　Phantom: SAM1; Type: SAM; Serial: TP-1475

　Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.802 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.72 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.518 mW/g

Maximum value of SAR (measured) = 1.02 mW/g

0 dB = 1.02mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

P1528_OET65-EGPRS (3 timeslots in uplink) with ThinkPad T61 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM1; Type: SAM; Serial: TP-1475

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
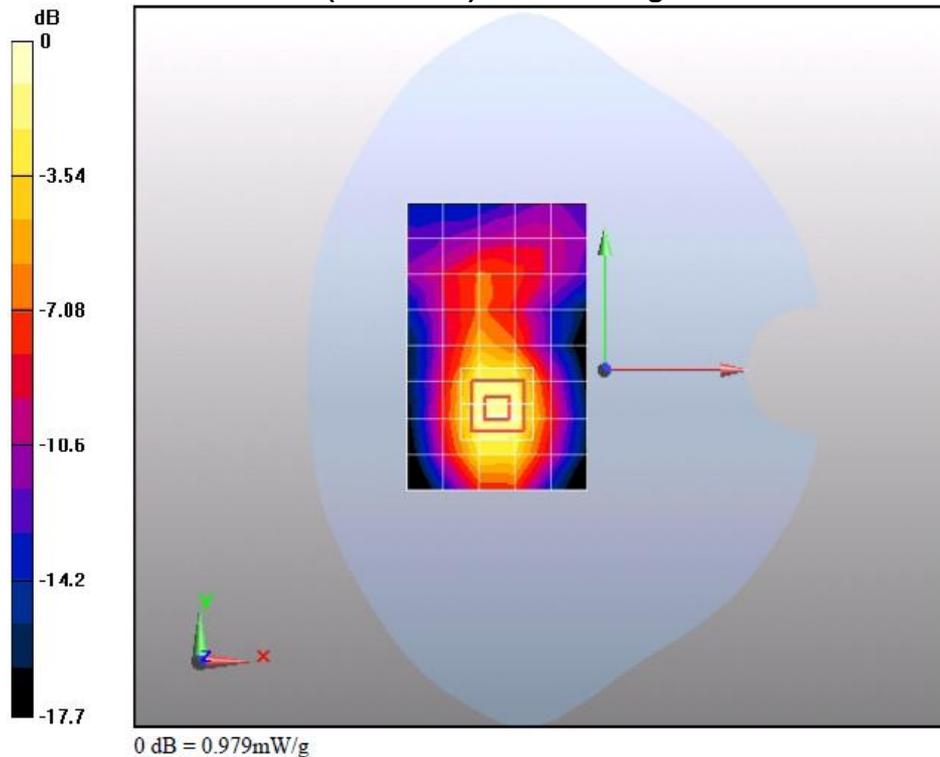
Maximum value of SAR (measured) = 0.682 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.32 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.443 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.867 mW/g
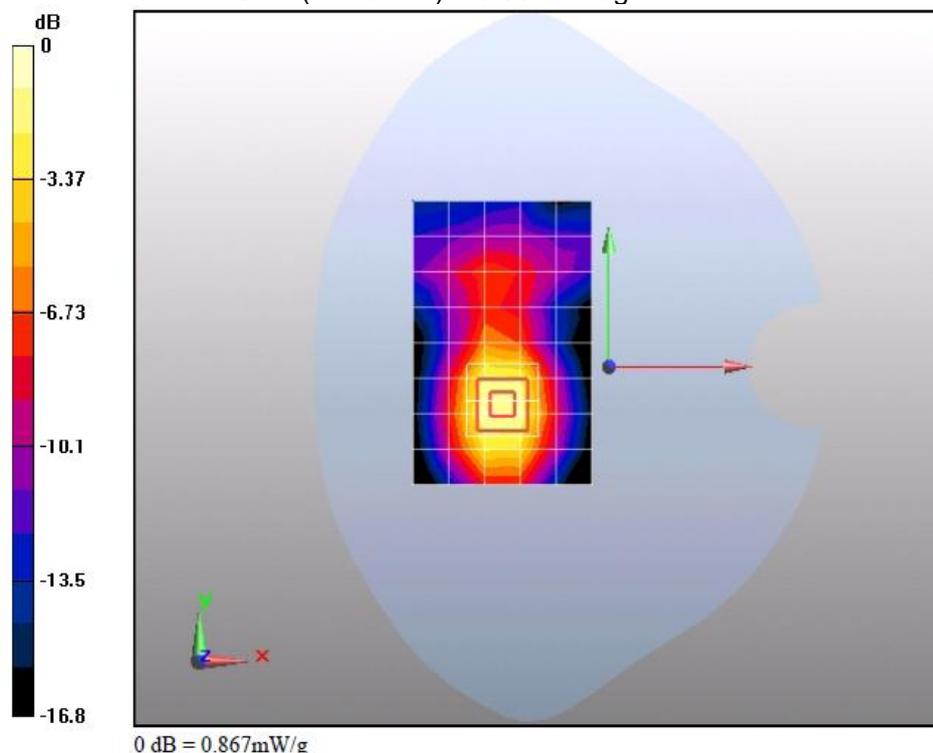
0 dB = 0.867mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.1°C

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Date/Time: 1/15/2011 1:41:58 AM

P1528_OET65-EGPRS (4 timeslots in uplink) with ThinkPad T61 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 1909.8 MHz
Medium parameters used: f = 1910 MHz; σ = 1.54 mho/m; ε_r = 50.8; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  Phantom: SAM1; Type: SAM; Serial: TP-1475
 Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.772 mW/g
E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.72 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.498 mW/g
Maximum value of SAR (measured) = 0.979 mW/g

0 dB = 0.979mW/g

Additional information:
position or distance of DUT to SAM: 5 mm
ambient temperature: 22.0 °C; liquid temperature: 22.1°C

As of 2011-01-28

P1528_OET65-EGPRS (4 timeslots in uplink) with ThinkPad T61 front side-GSM1900

DUT: E188s-6

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 51; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

. Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
. Sensor-Surface: 4mm (Mechanical Surface Detection)
. Electronics: DAE4 Sn852; Calibrated: 12/24/2010
. Phantom: SAM1; Type: SAM; Serial: TP-1475
. Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.650 mW/g
E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.14 V/m; Power Drift = 0.169 dB
Peak SAR (extrapolated) = 1.2 W/kg
SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.422 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.834 mW/g
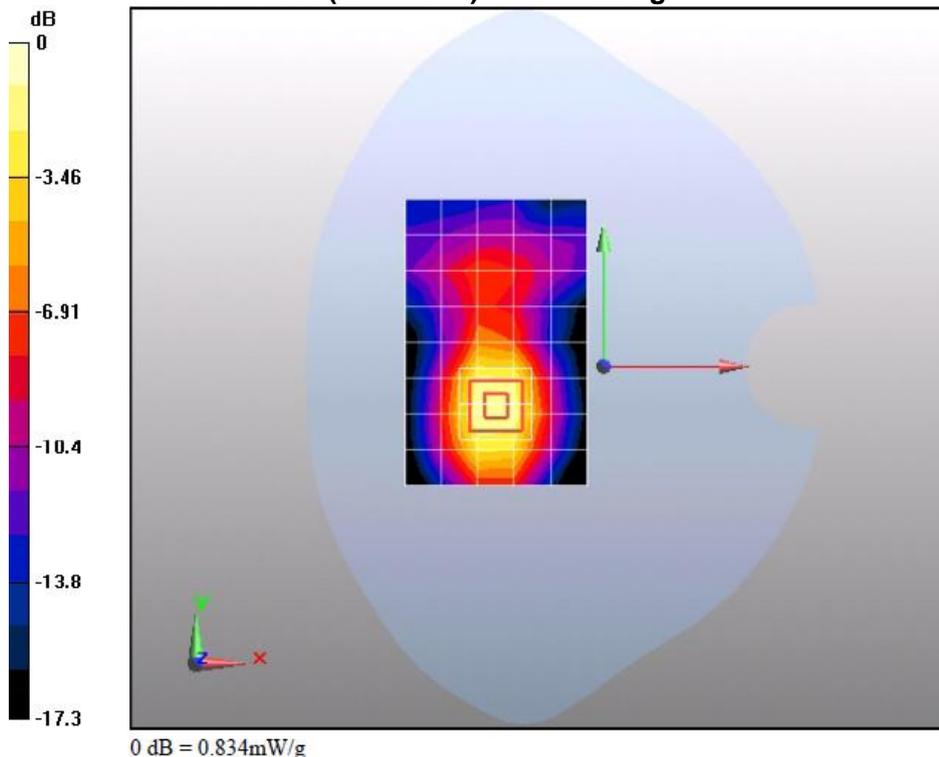
0 dB = 0.834mW/g

Additional information:
position or distance of DUT to SAM: 5 mm
ambient temperature: 22.0 °C; liquid temperature: 22.1°C

Annex 2.3   WCDMA 850MHz body

Date/Time: 1/28/2011 8:27:31 AM

P1528_OET65-WCDMA with ThinkPad X301 front side-WCDMA850
DUT: E188s-6
Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.961 mho/m; ε_r = 54.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.360 mW/g
E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
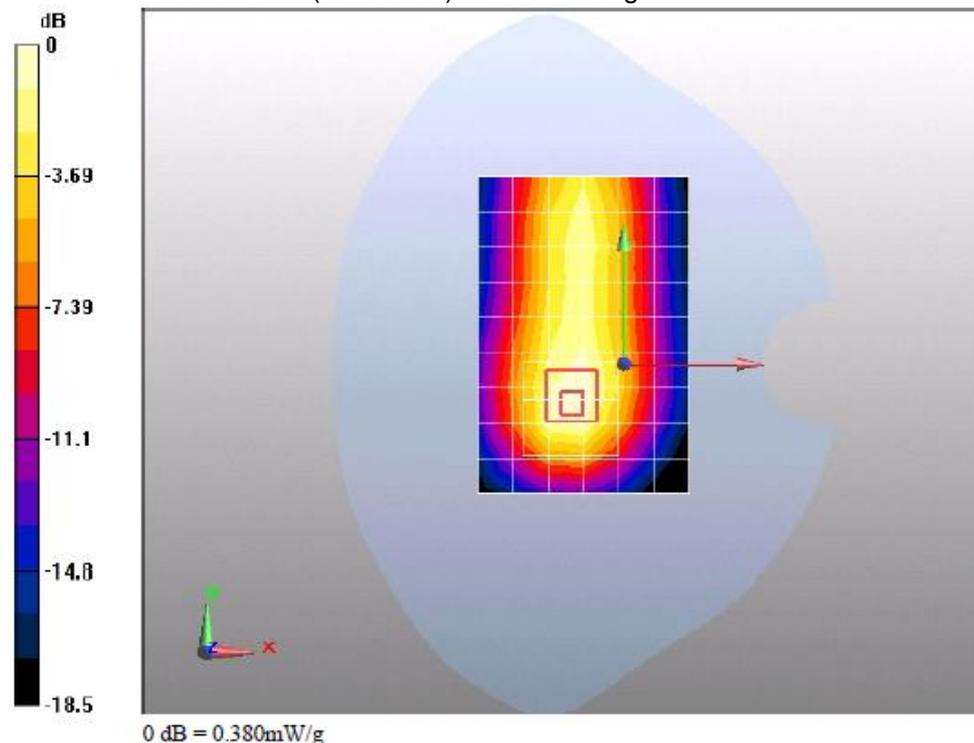Reference Value = 7.03 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 0.497 W/kg
SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.242 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.384 mW/g
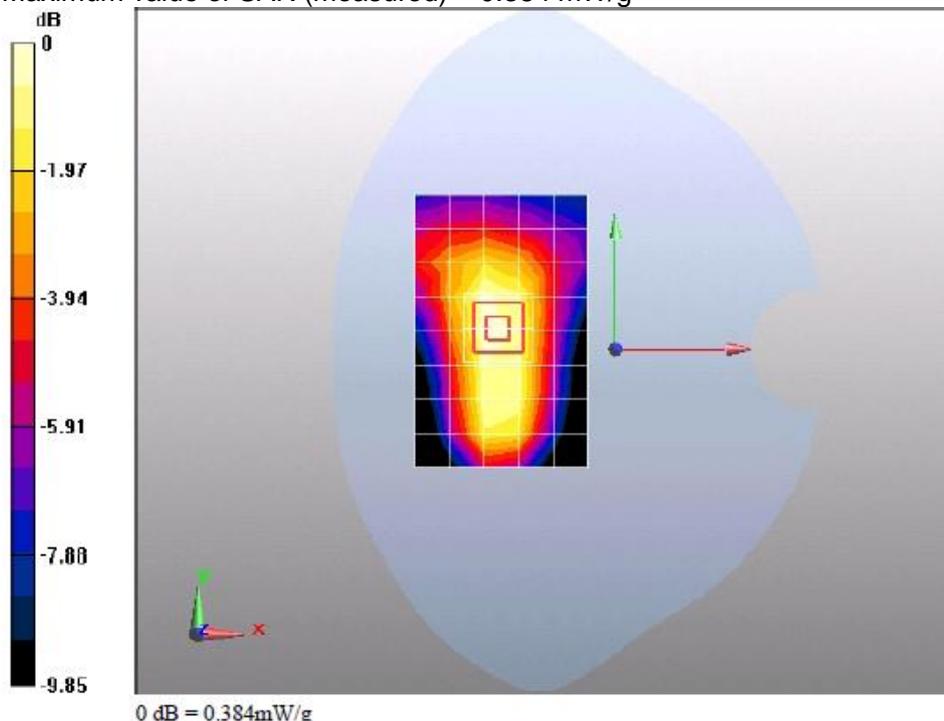
0 dB = 0.384mW/g

Additional information:
position or distance of DUT to SAM:5 mm
ambient temperature: 22.0 °C; liquid temperature: 22.4°C

P1528_OET65-WCDMA with 19cm USB cable rear side-WCDMA850

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.961 mho/m; ε_r = 54.3; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM2; Type: SAM; Serial: TP-1474

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.359 mW/g

E188s-6/body/Zoom Scan (6x6x6)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=8mm
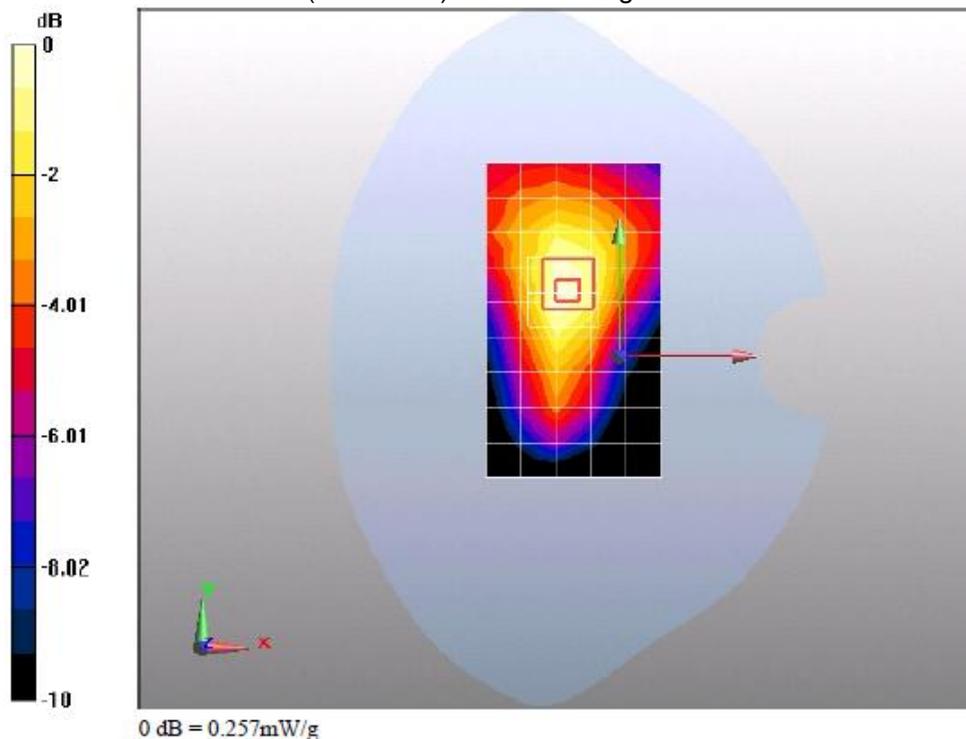
Reference Value = 18.5 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.224 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.380 mW/g

0 dB = 0.380mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

P1528_OET65-WCDMA with ThinkPad T61 left side-WCDMA850

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.961 mho/m; ε_r = 54.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E188s-6/body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
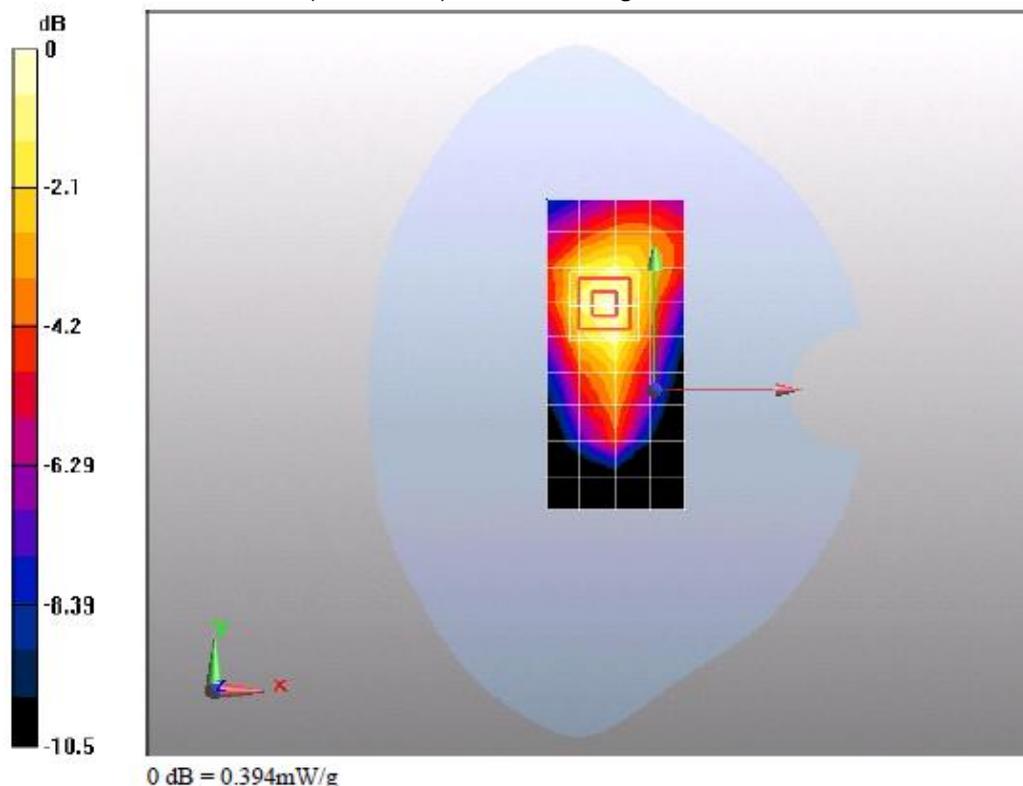Maximum value of SAR (measured) = 0.253 mW/g
E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.4 V/m; Power Drift = -0.183 dB
Peak SAR (extrapolated) = 0.361 W/kg
SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.156 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.257 mW/g

0 dB = 0.257mW/g

Additional information:
position or distance of DUT to SAM: 5 mm
ambient temperature: 22.0 °C; liquid temperature: 22.4°C

Date/Time: 1/28/2011 2:32:03 PM

P1528_OET65-WCDMA with ThinkPad T61 right side-WCDMA850

DUT: E188s-6
Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.961 mho/m; εr = 54.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E188s-6/body/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.382 mW/g
E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.7 V/m; Power Drift = 0.066 dB
Peak SAR (extrapolated) = 0.551 W/kg
SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.230 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.394 mW/g

0 dB = 0.394mW/g

Additional information:
position or distance of DUT to SAM:5 mm
ambient temperature: 22.0 °C; liquid temperature: 22.4°C

P1528_OET65-WCDMA with ThinkPad T61 right side-WCDMA850

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 846.6 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.973 mho/m; ε_r = 54.1; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.527 mW/g

**E188s-6/body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.329 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.567 mW/g
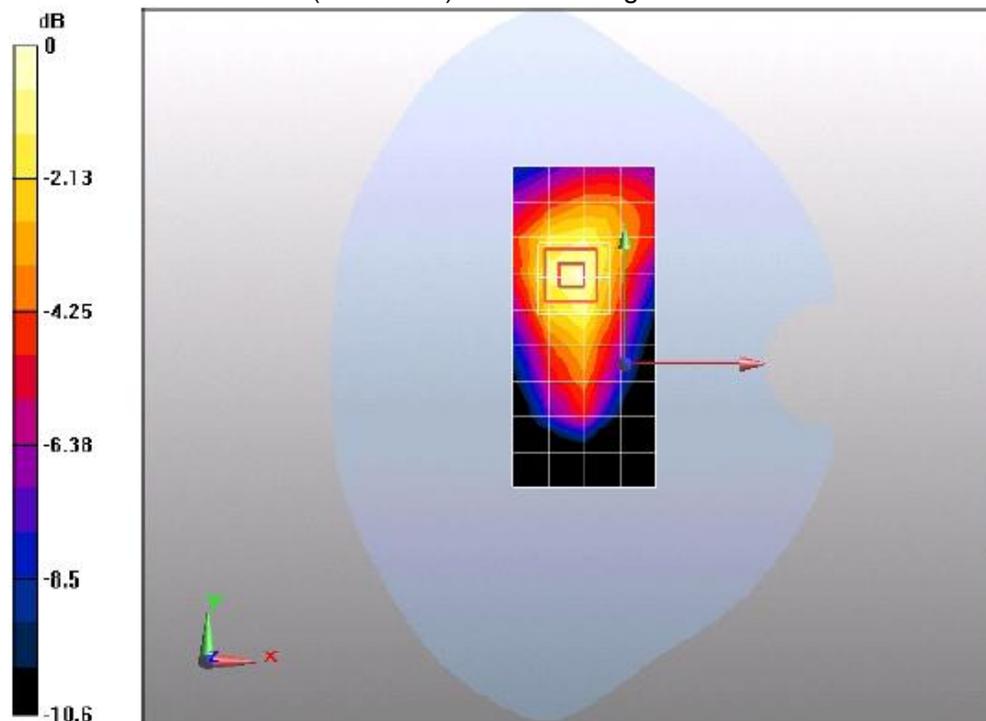
0 dB = 0.567mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

P1528_OET65-WCDMA with ThinkPad T61 right side-WCDMA850

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 826.4 MHz

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.958 mho/m; ε_r = 54.4; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM2; Type: SAM; Serial: TP-1474

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
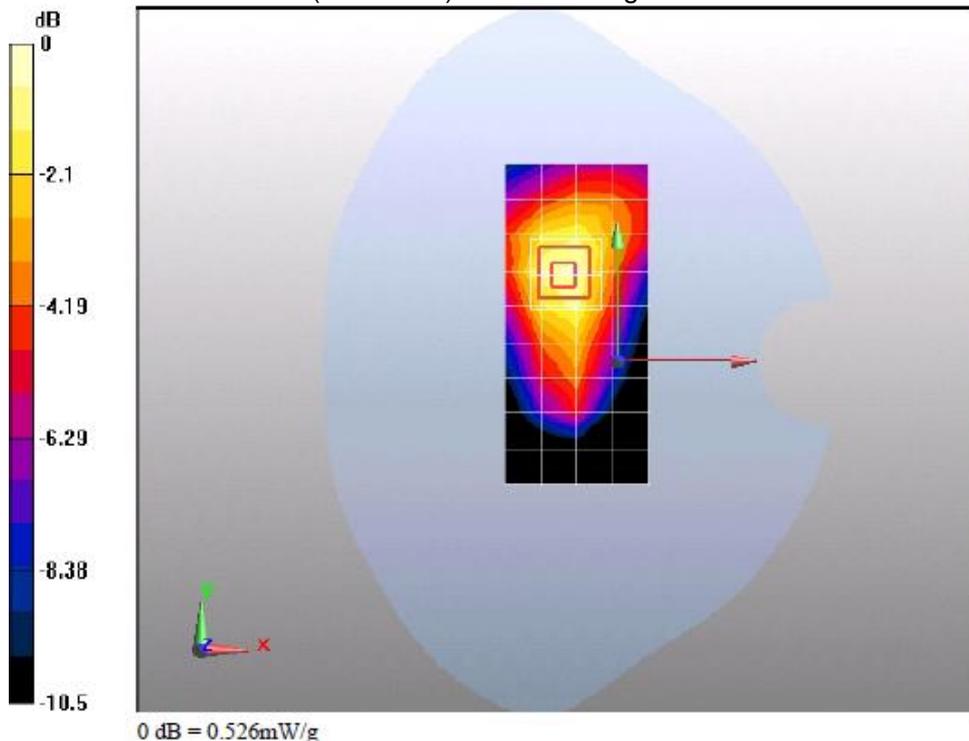
Maximum value of SAR (measured) = 0.513 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.776 W/kg

SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.326 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.555 mW/g
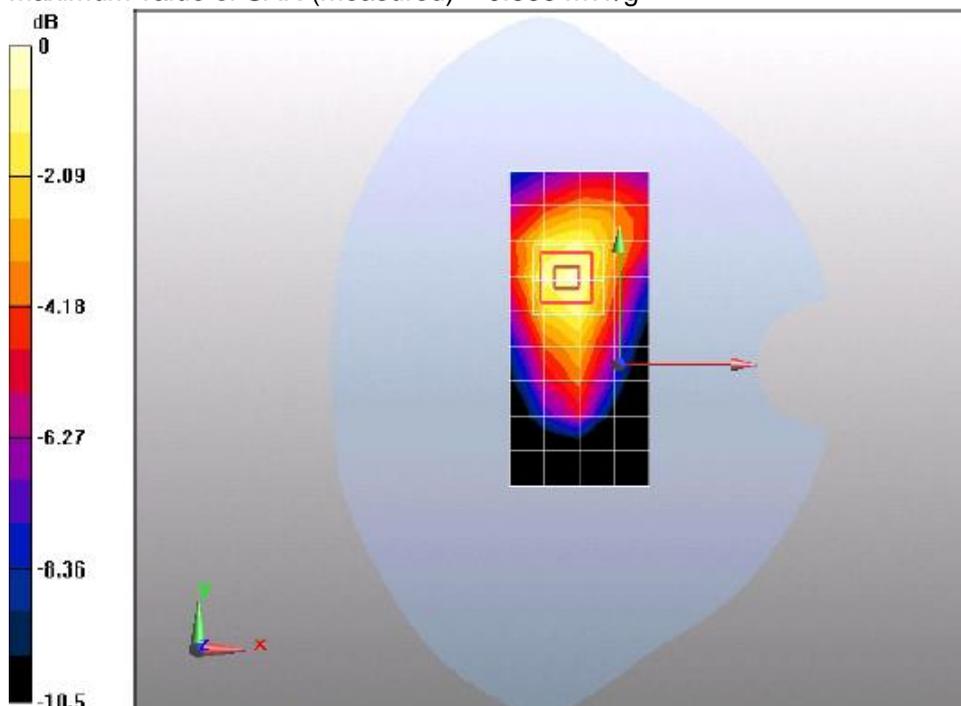
0 dB = 0.555mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

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P1528_OET65-HSDPA with ThinkPad T61 right side-WCDMA850

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 846.6 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.973 mho/m; ε_r = 54.1; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.480 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.741 W/kg

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.306 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.526 mW/g

0 dB = 0.526mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

Date/Time: 1/28/2011 4:34:10 PM

P1528_OET65-HSUPA with ThinkPad T61 right side-WCDMA850

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 846.6 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.973 mho/m; ε_r = 54.1; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM2; Type: SAM; Serial: TP-1474

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.319 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.00816 dB

Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.207 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.354 mW/g
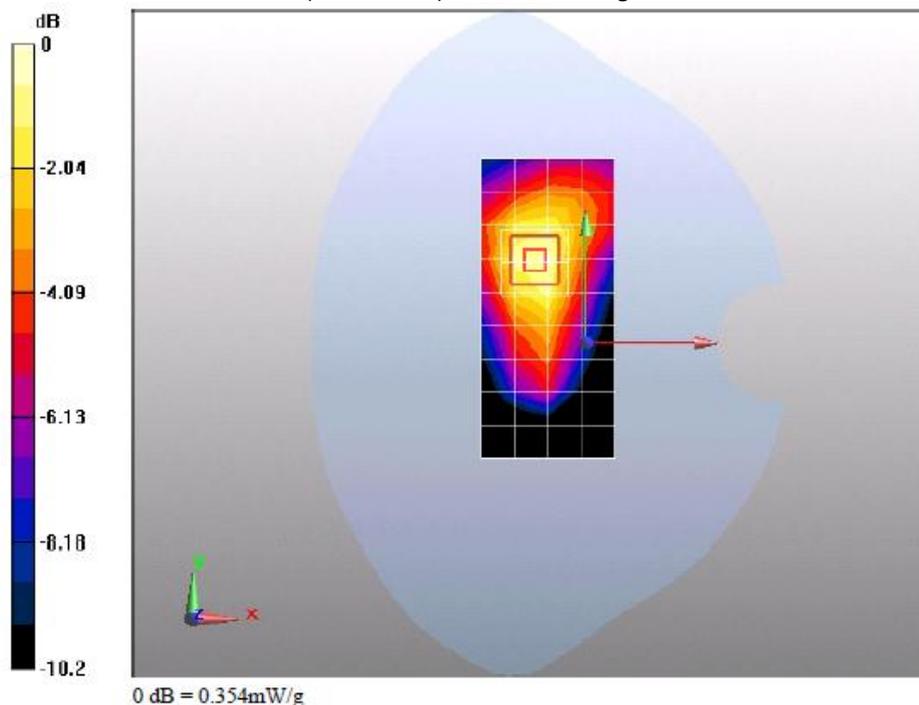
0 dB = 0.354mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

Annex 2.4   WCDMA 1900MHz body

Date/Time:1/14/20111:59:53AM

P1528_OET65-WCDMA with ThinkPad X301 front side-WCDMA1900

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn852; Calibrated: 12/24/2010

 Phantom: SAM1; Type: SAM; Serial: TP-1475

 Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

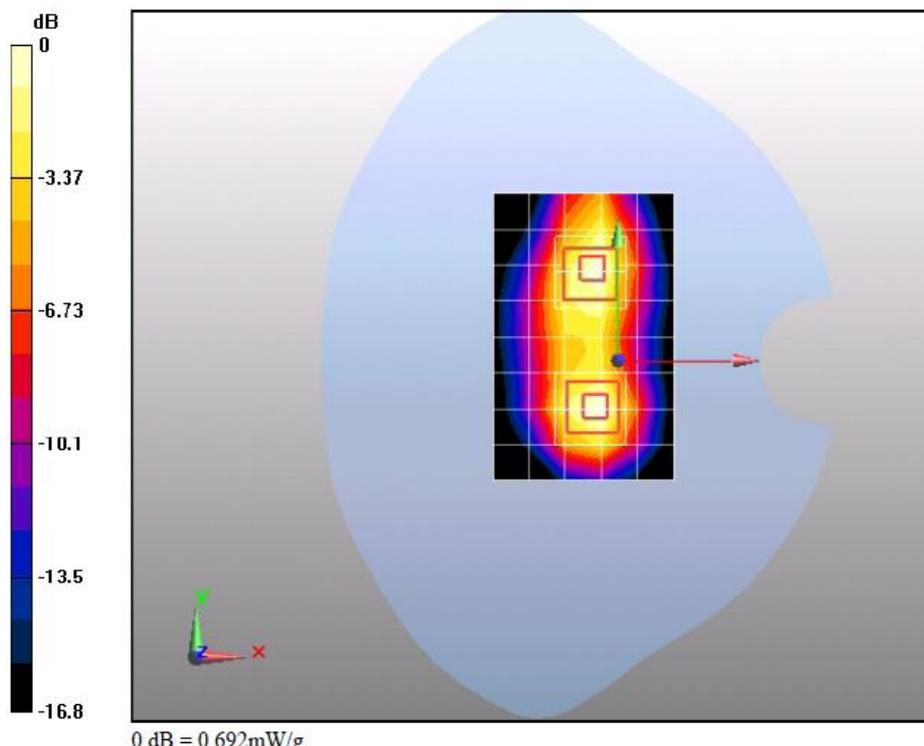Maximum value of SAR (measured) = 0.835 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.26 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.523 mW/g

Maximum value of SAR (measured) = 1.02 mW/g
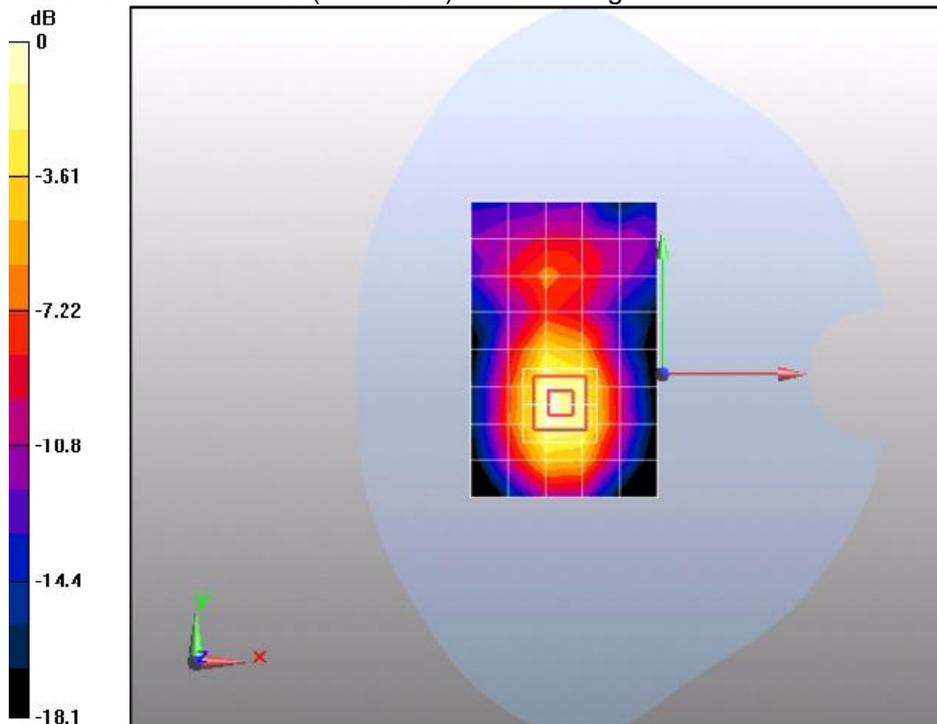
0 dB = 1.02mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

P1528_OET65-WCDMA with 19cm USB cable rear side-WCDMA1900

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM1; Type: SAM; Serial: TP-1475

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

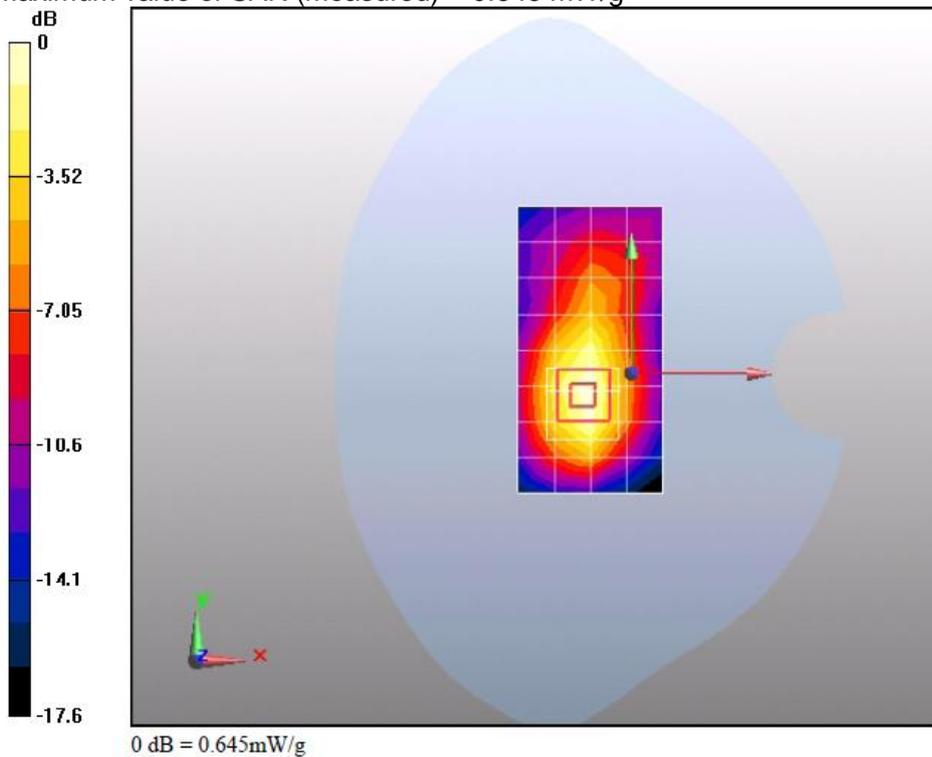Maximum value of SAR (measured) = 0.772 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.341 mW/g

Maximum value of SAR (measured) = 0.762 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.344 mW/g

Maximum value of SAR (measured) = 0.692 mW/g

0 dB = 0.692mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

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Date/Time: 1/13/2011 11:17:22 PM

P1528_OET65-WCDMA with ThinkPad T61 left side-WCDMA1900

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn852; Calibrated: 12/24/2010

 Phantom: SAM1; Type: SAM; Serial: TP-1475

 Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

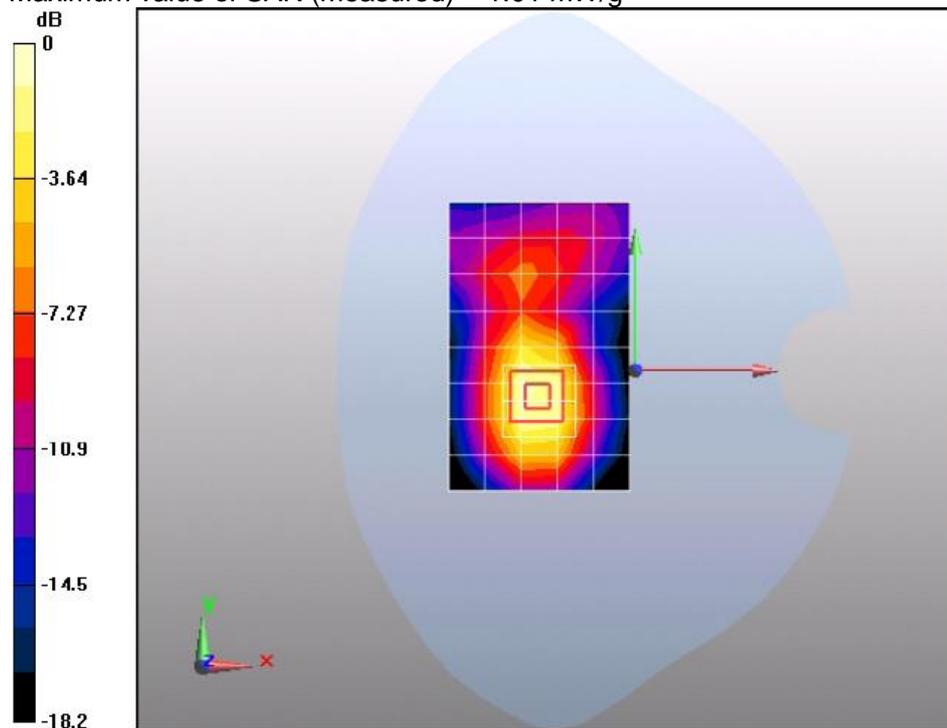Maximum value of SAR (measured) = 0.630 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.971 W/kg

SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.645 mW/g

0 dB = 0.645mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

P1528_OET65-WCDMA with ThinkPad T61 right side-WCDMA1900

DUT: E188s-6
Communication System: HW -UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.5 mho/m; ε_r = 51; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  Phantom: SAM1; Type: SAM; Serial: TP-1475
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E188s-6/body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.596 mW/g
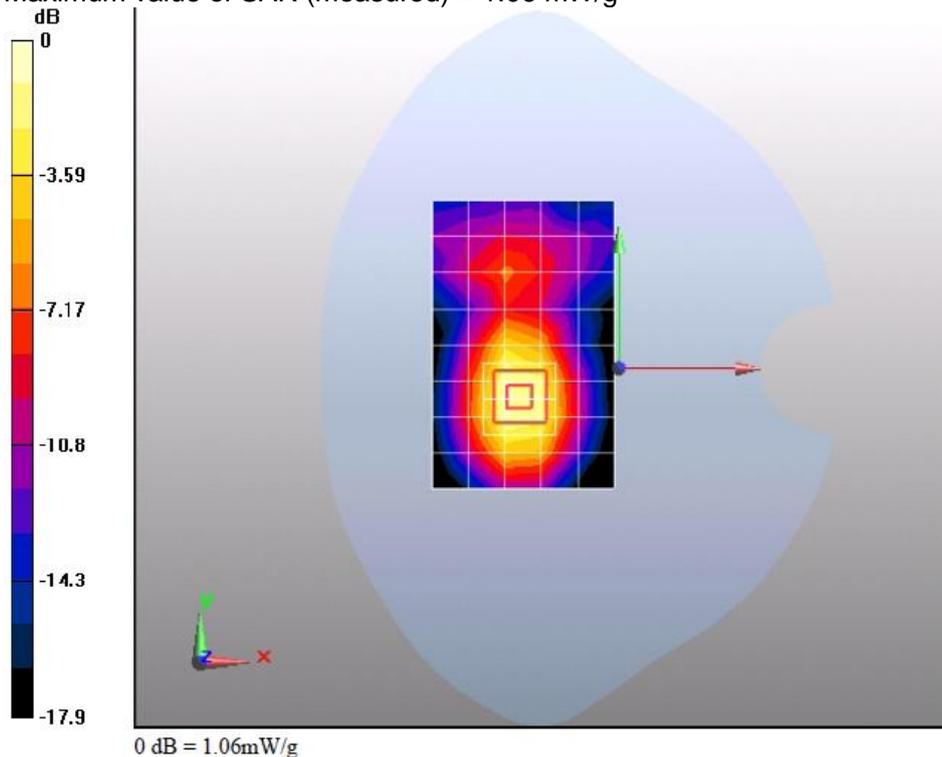**E188s-6/body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18 V/m; Power Drift = -0.130 dB
Peak SAR (extrapolated) = 0.900 W/kg
SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.282 mW/g
Maximum value of SAR (measured) = 0.581 mW/g
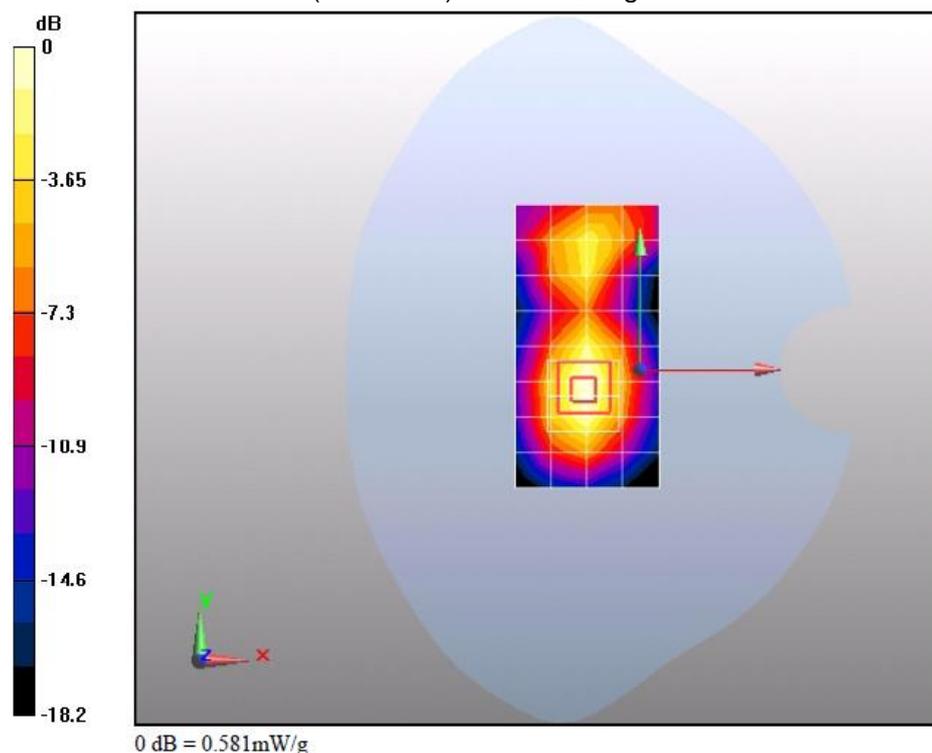
0 dB = 0.581mW/g

Additional information:
position or distance of DUT to SAM: 5 mm
ambient temperature: 22.0 °C; liquid temperature: 22.4°C

P1528_OET65-WCDMA with ThinkPad X301 front side-WCDMA1900

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 1907.6 MHz

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.53 mho/m; ε_r = 50.9; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn852; Calibrated: 12/24/2010

 Phantom: SAM1; Type: SAM; Serial: TP-1475

 Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

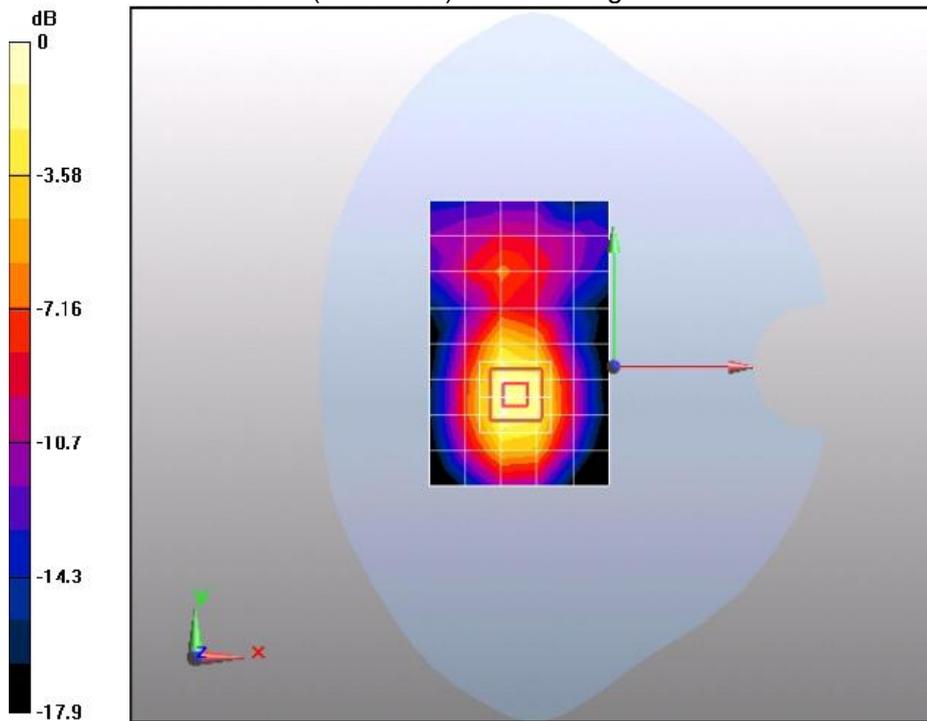Maximum value of SAR (measured) = 0.823 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.88 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.919 mW/g; SAR(10 g) = 0.516 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.01 mW/g

0 dB = 1.01mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

Date/Time: 1/14/2011 2:44:25 AM

P1528_OET65-WCDMA with ThinkPad X301 front side-WCDMA1900

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 1852.4 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.48 mho/m; ε_r = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM1; Type: SAM; Serial: TP-1475

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.844 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.01 V/m; Power Drift = 0.199 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.536 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.06 mW/g


0 dB = 1.06mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

Date/Time: 1/14/2011 3:12:55 AM

P1528_OET65-HSDPA with ThinkPad X301 front side-WCDMA1900

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 1852.4 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.48 mho/m; ε$_r$ = 51; ρ = 1000 kg/m$_3$

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn852; Calibrated: 12/24/2010

  Phantom: SAM1; Type: SAM; Serial: TP-1475

  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.919 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.29 V/m; Power Drift = 0.192 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.582 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.15 mW/g

0 dB = 1.15mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

Date/Time: 1/14/2011 9:52:34 AM

P1528_OET65-HSUPA with ThinkPad X301 front side-WCDMA1900

DUT: E188s-6

Communication System: HW -UMTS-FDD; Frequency: 1852.4 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.48 mho/m; εr = 51; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn852; Calibrated: 12/24/2010

 Phantom: SAM1; Type: SAM; Serial: TP-1475

 Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E188s-6/body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.631 mW/g

E188s-6/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.3 V/m; Power Drift = 0.182 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.397 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.785 mW/g
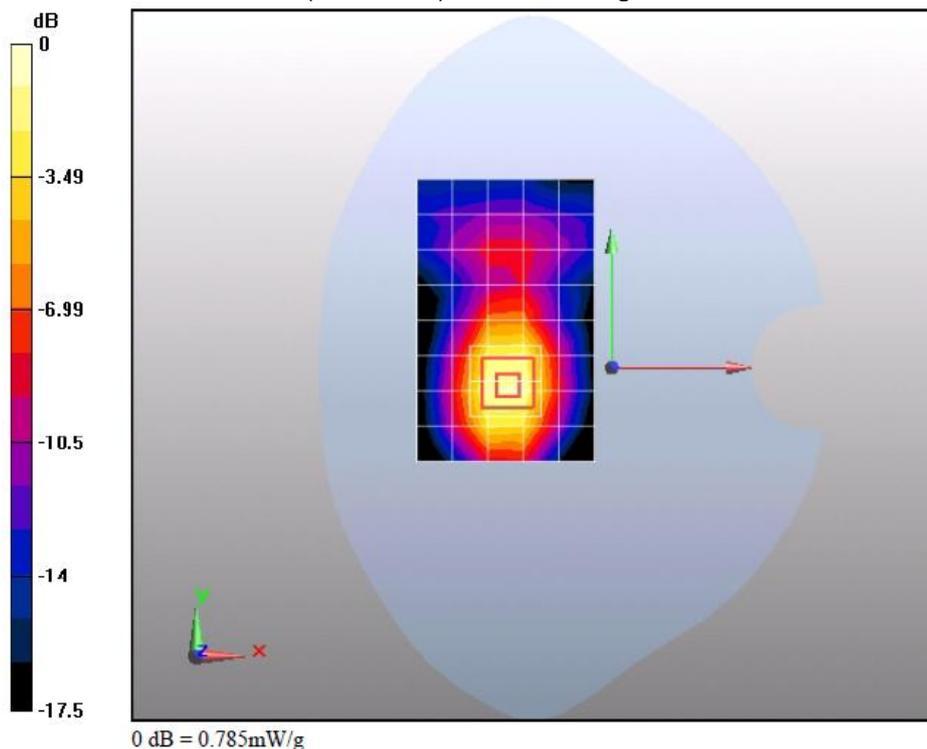
0 dB = 0.785mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 22.0 °C; liquid temperature: 22.4°C

Annex 2.5   Z-axis scans
GSM 850
E188s-6 front side (1 timeslot) –GPRS 850 Channel 190
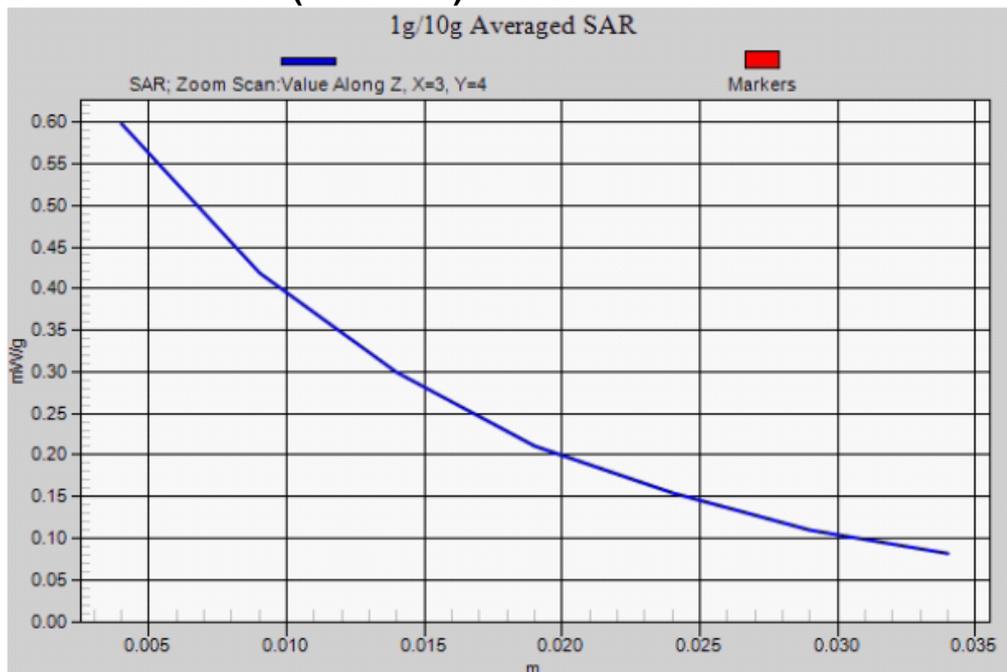
E188s-6 front side (2 timeslots) –GPRS 850 Channel 190
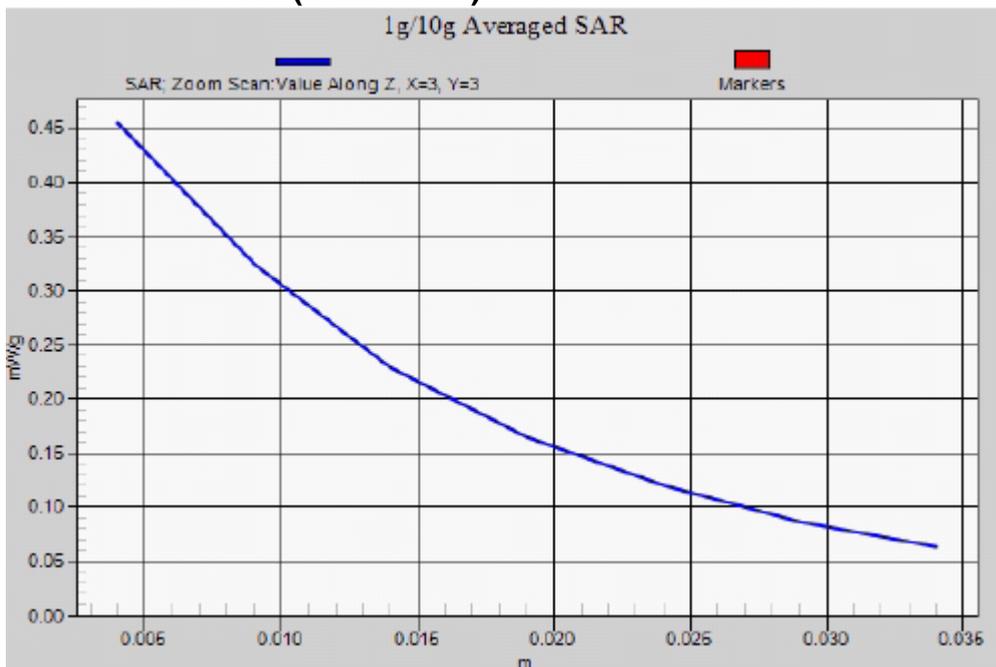
E188s-6 front side (3 timeslots) –GPRS 850 Channel 190
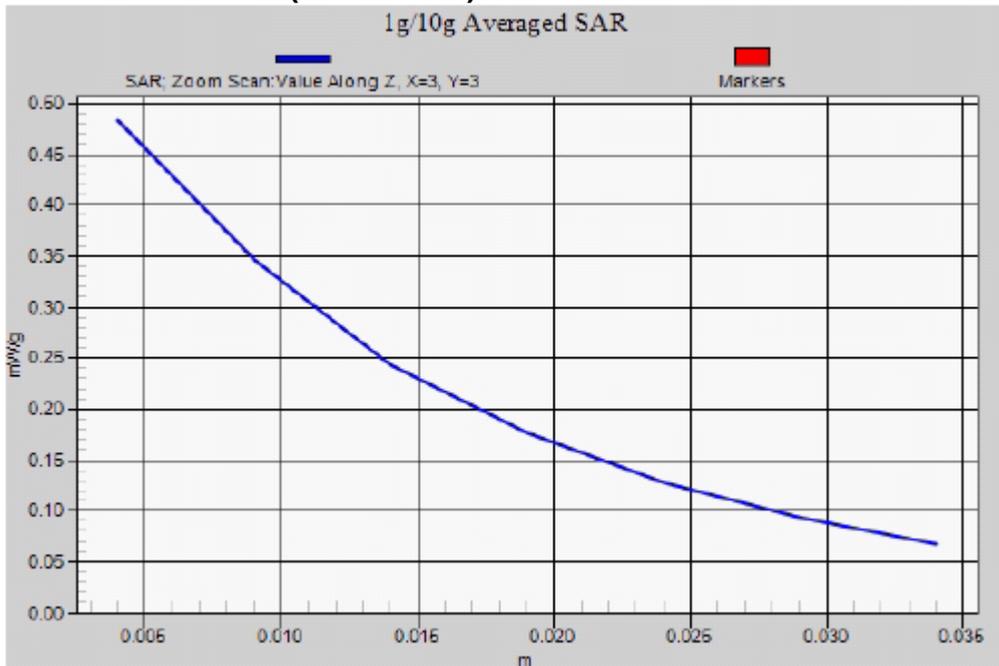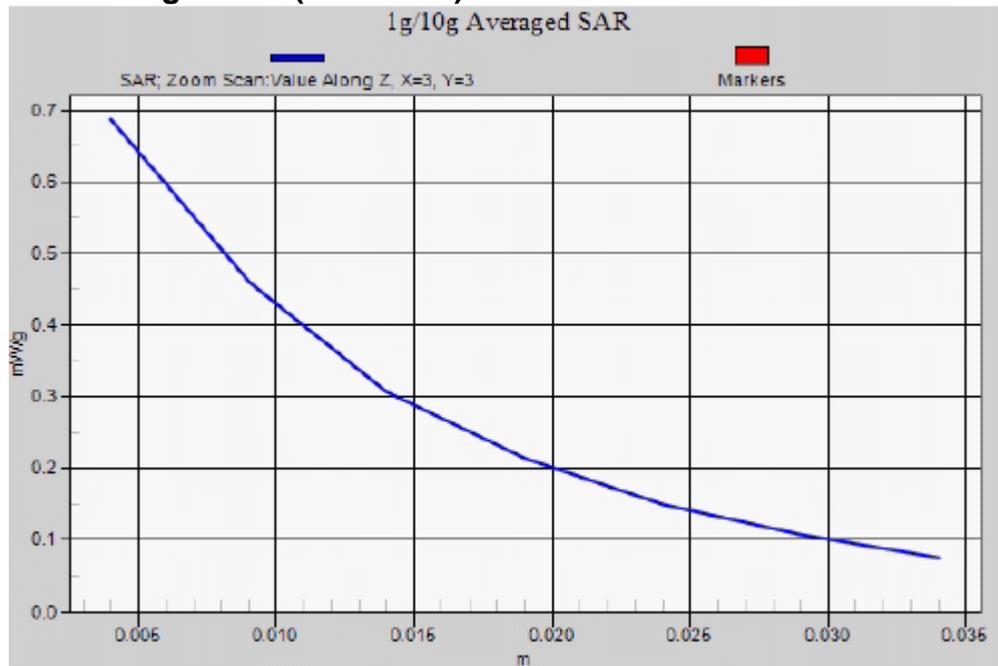

E188s-6 front side (4 timeslots) –GPRS 850 Channel 190
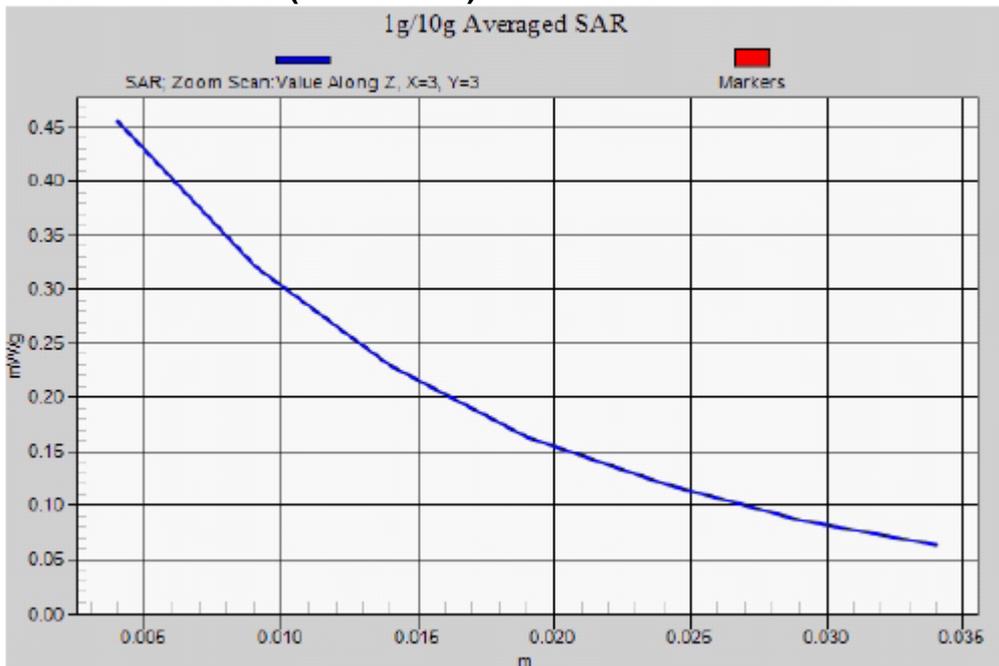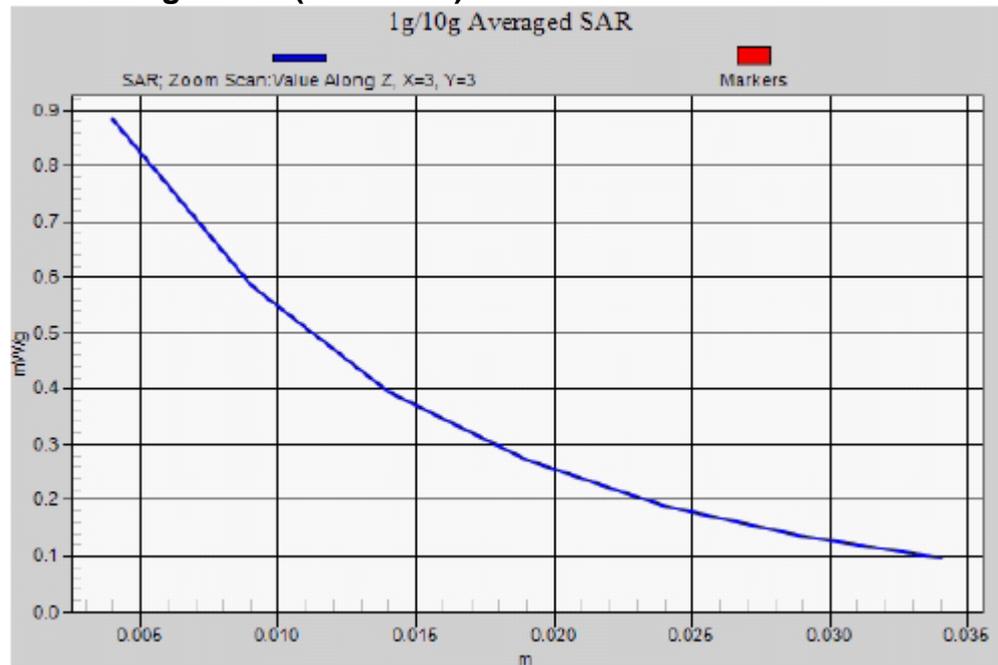
E188s-6 back side (1 timeslot) –GPRS 850 Channel 190
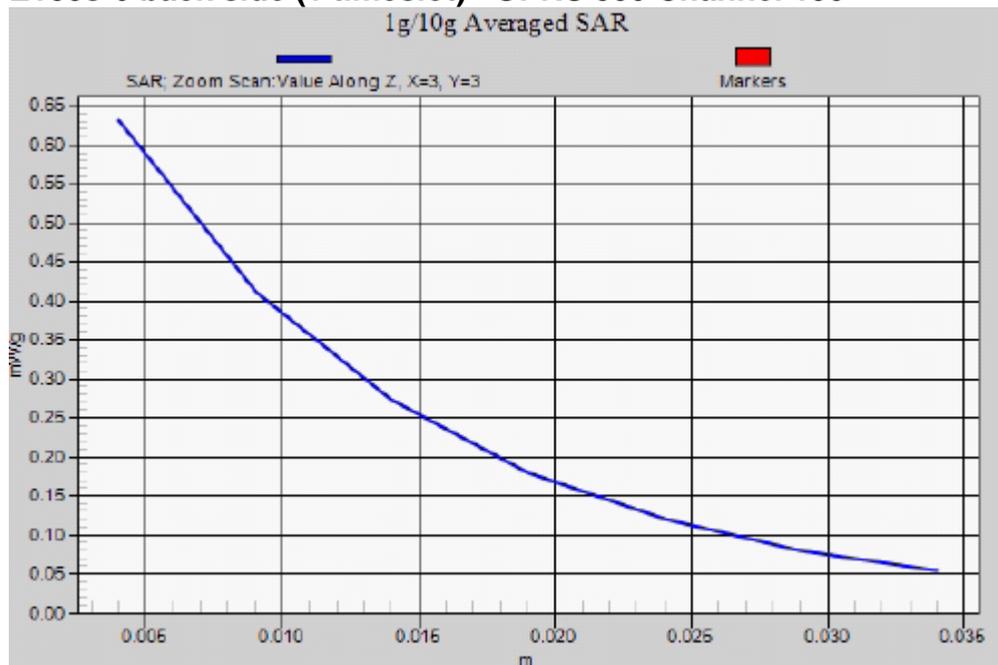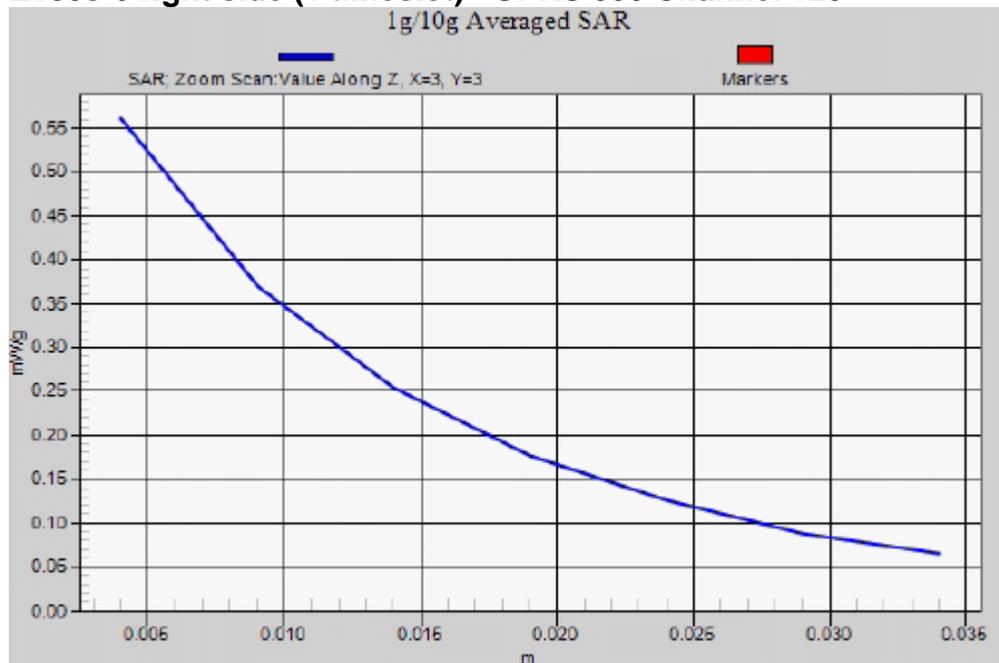

E188s-6 left side (1 timeslot) –GPRS 850 Channel 190
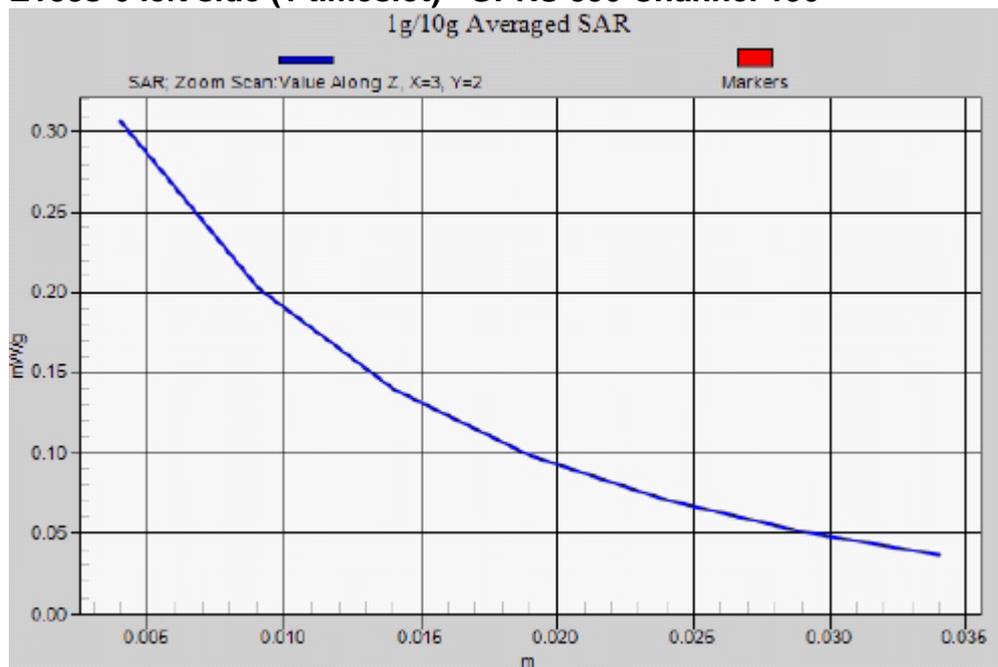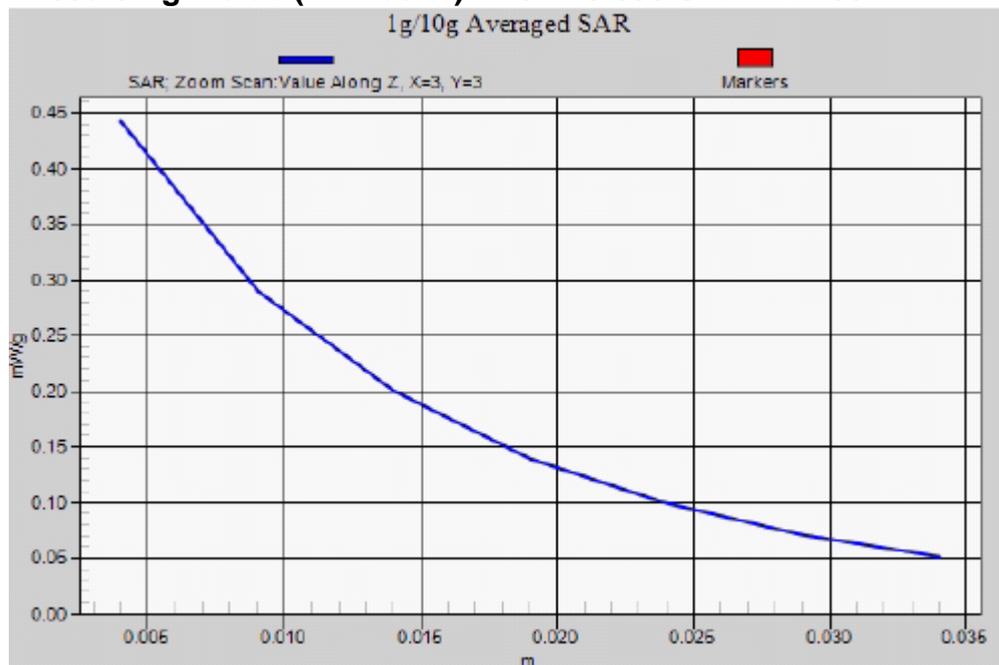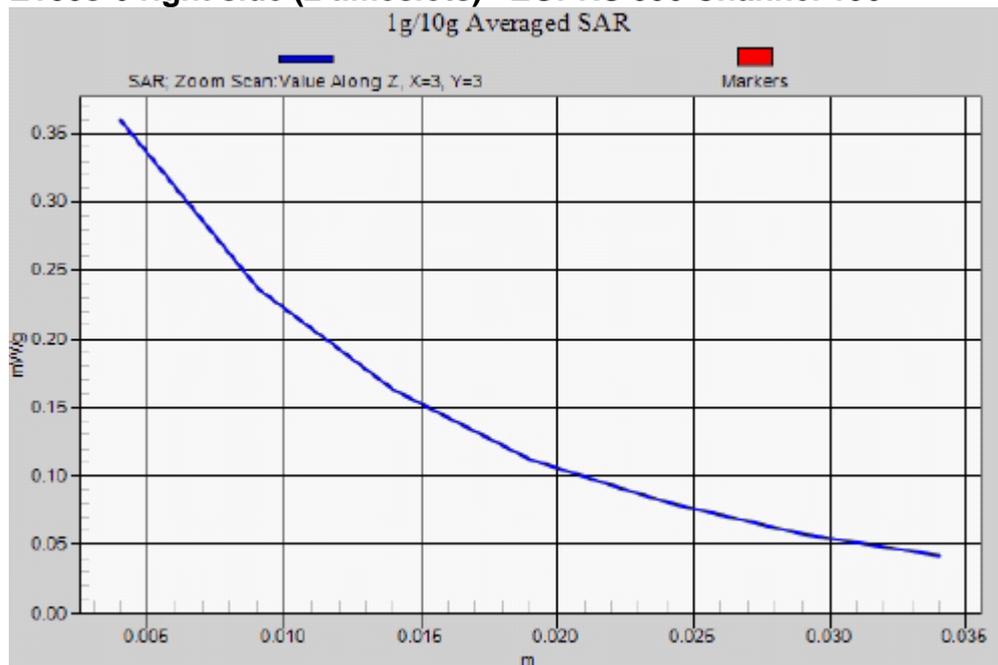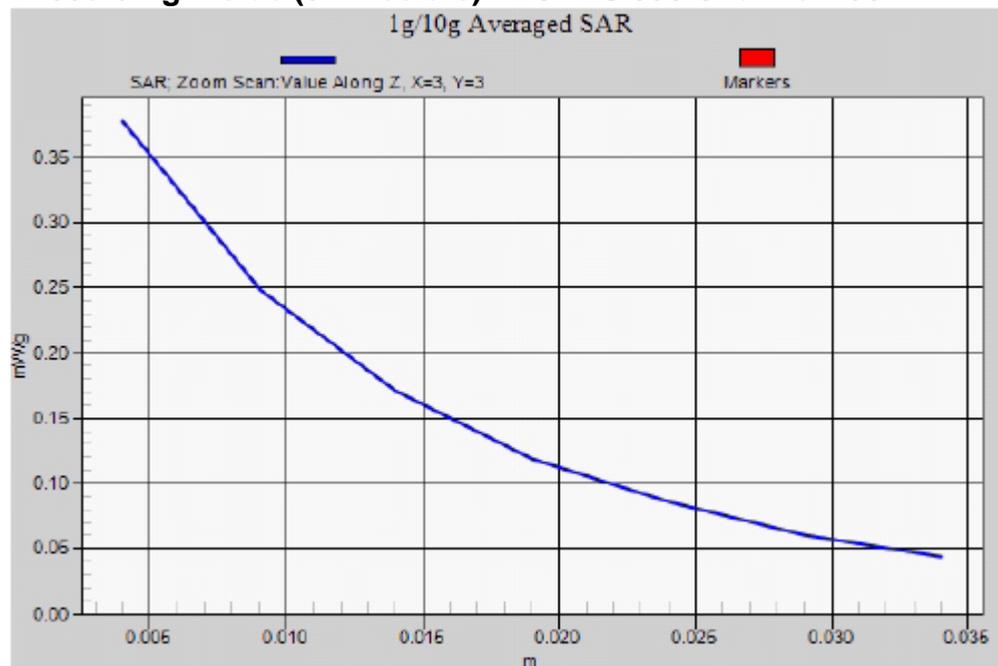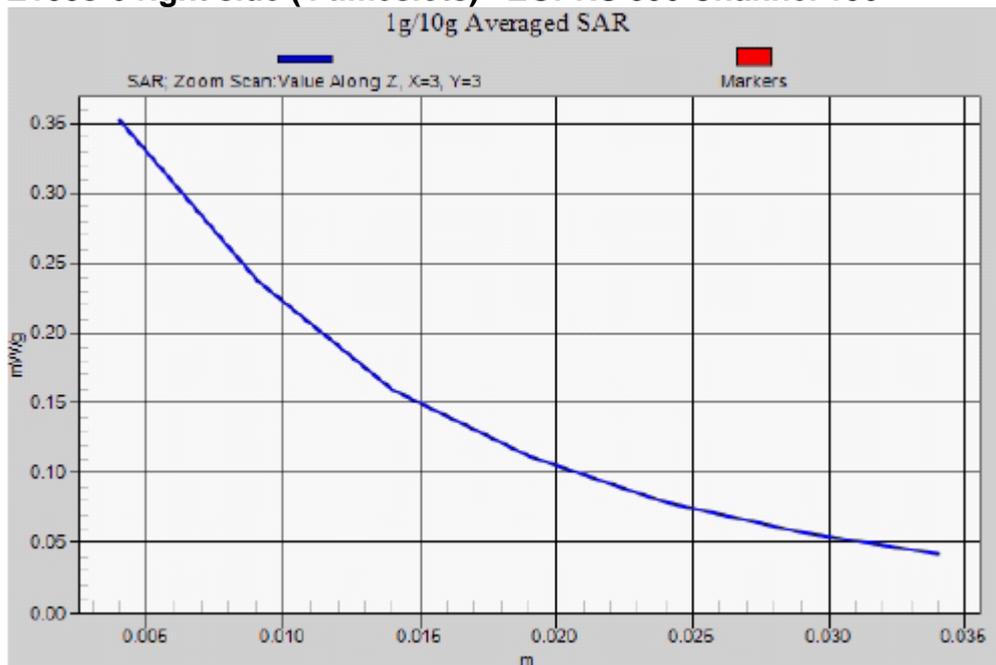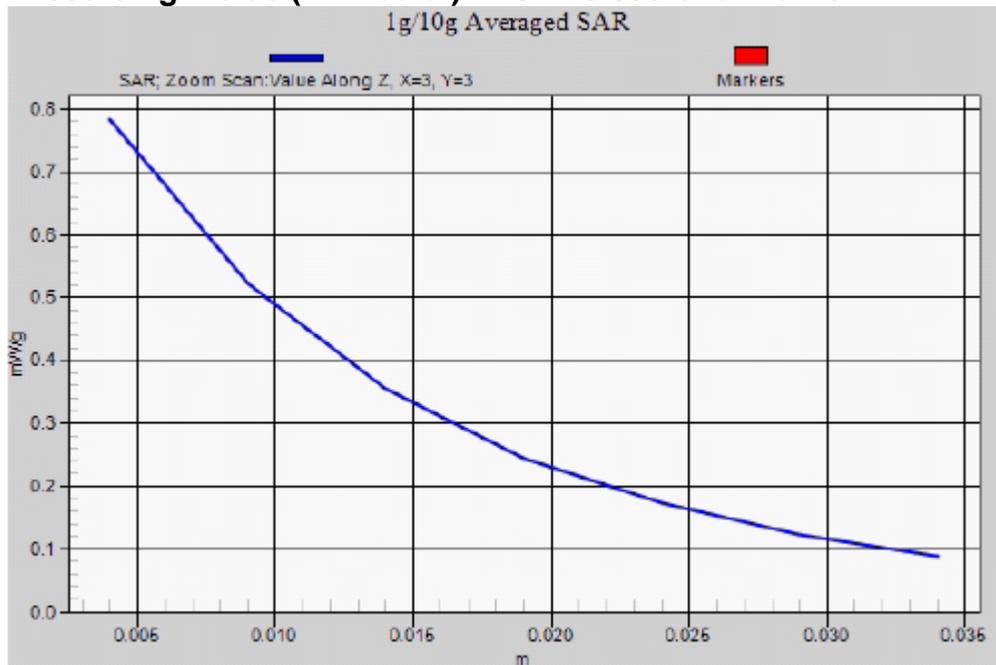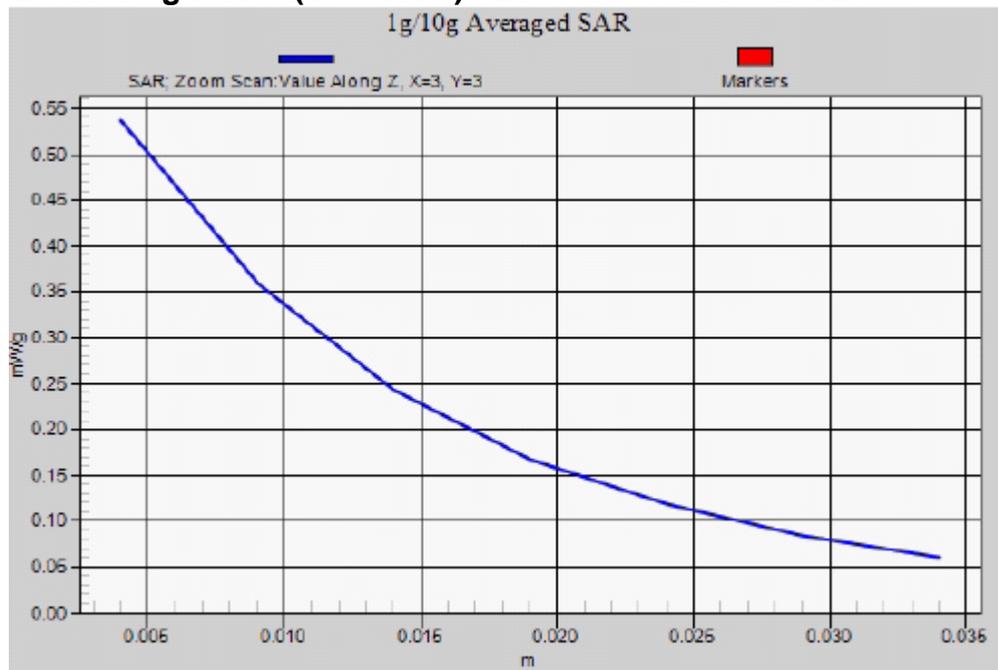
E188s-6 right side (1 timeslot) –GPRS 850 Channel 190

E188s-6 right side (1 timeslot) –GPRS 850 Channel 251

E188s-6 right side (1 timeslot) –GPRS 850 Channel 128

E188s-6 right side (1 timeslot) –EGPRS 850 Channel 190

E188s-6 right side (2 timeslots) –EGPRS 850 Channel 190

E188s-6 right side (3 timeslots) –EGPRS 850 Channel 190

E188s-6 right side (4 timeslots) –EGPRS 850 Channel 190

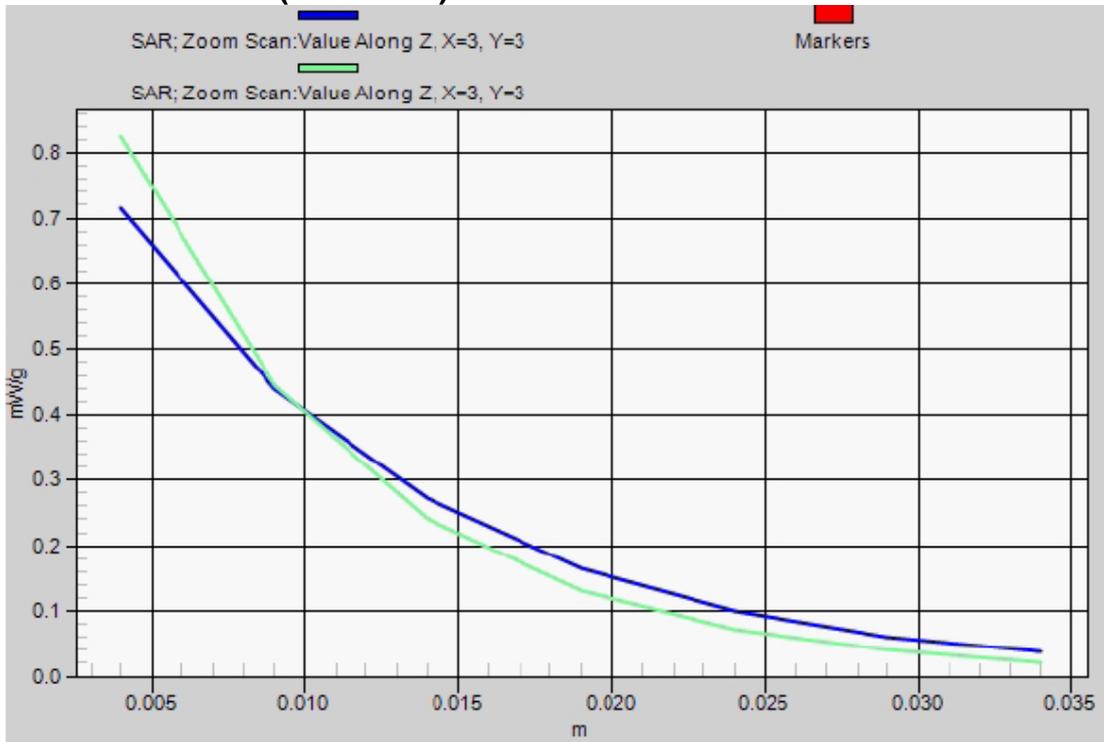## E188s-6 right side (1 timeslot) –EGPRS 850 Channel 251

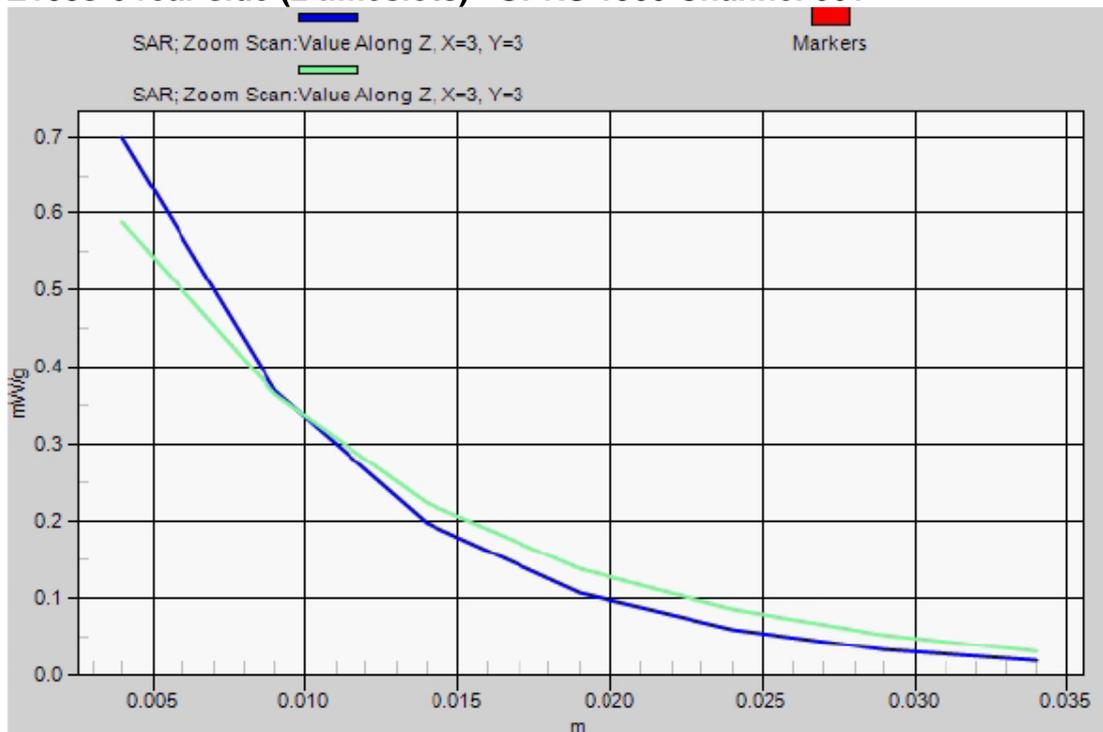**E188s-6 right side (1 timeslot) –EGPRS 850 Channel 128**

GSM 1900
E188s-6 rear side (1 timeslot) –GPRS 1900 Channel 661

E188s-6 rear side (2 timeslots) –GPRS 1900 Channel 661

E188s-6 rear side (3 timeslots) –GPRS 1900 Channel 661