Date/Time: 12/28/2010 12:34:33 AM

P1528_OET65-EGPRS (3 timeslots in uplink) with ThinkPad T61 front side-GSM850

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 848.6 MHz
Medium parameters used (interpolated): f = 848.6 MHz; σ = 0.99 mho/m; ε_r = 54.8; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

 Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
 Sensor-Surface: 4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn851; Calibrated: 6/30/2010
 Phantom: SAM1; Type: SAM; Serial: TP-1475
 Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.888 mW/g
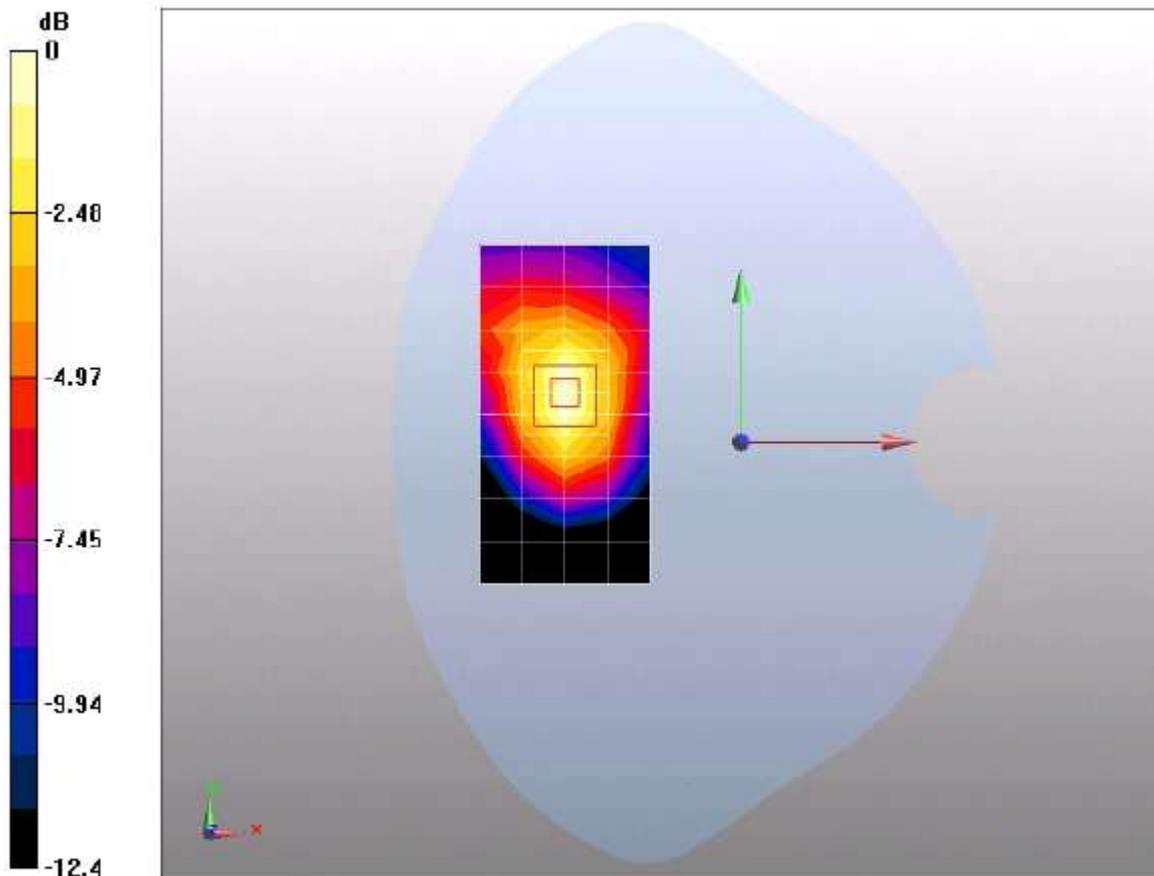**E173s-3/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.48 V/m; Power Drift = 0.117 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.546 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.965 mW/g

0 dB = 0.965mW/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 (3 timeslots in uplink) with ThinkPad T61 front side-GSM850

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.968 mho/m; εr = 55; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM1; Type: SAM; Serial: TP-1475
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
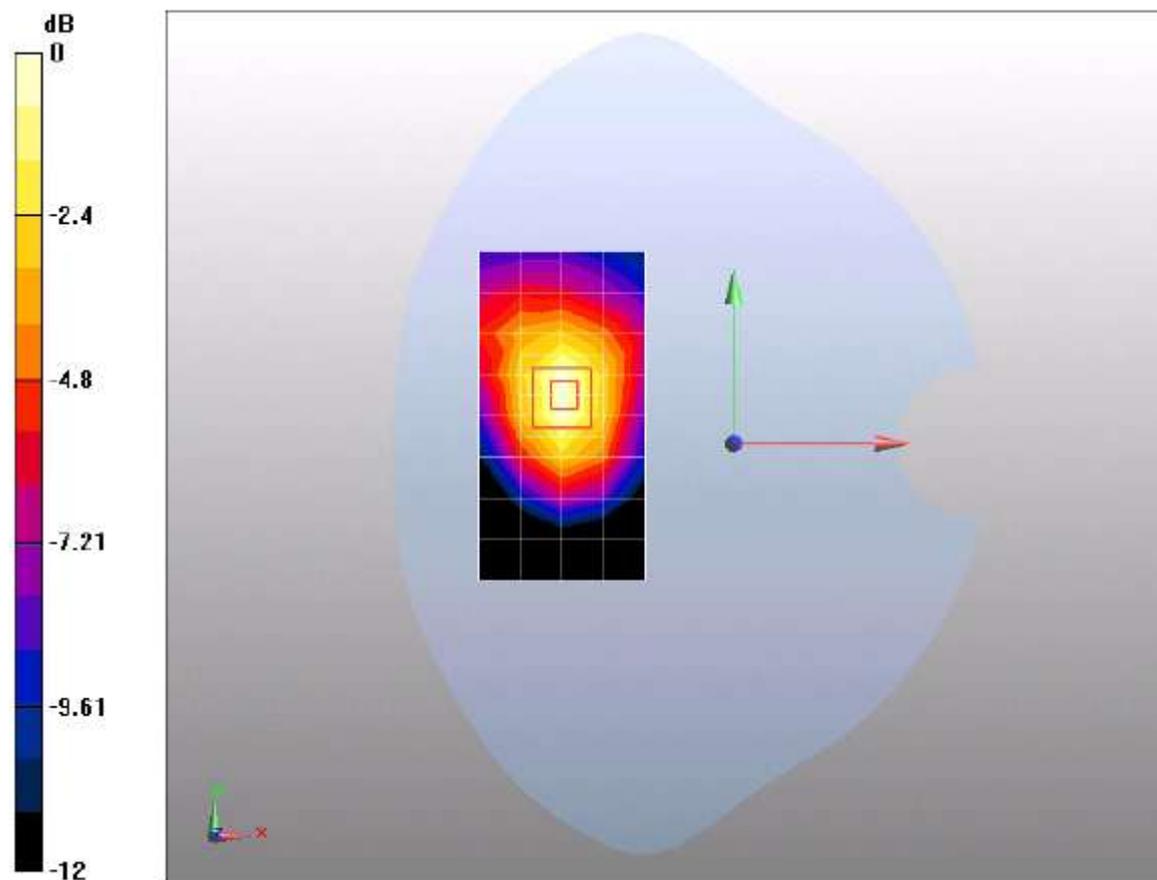Maximum value of SAR (measured) = 0.819 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.7 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.506 mW/g
Maximum value of SAR (measured) = 0.875 mW/g

0 dB = 0.875mW/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 (4 timeslots in uplink) with ThinkPad T61 front side- GSM850

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 848.9 MHz

Medium parameters used (interpolated): f = 848.9 MHz; σ = 0.991 mho/m; ε_r = 54.8; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

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

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
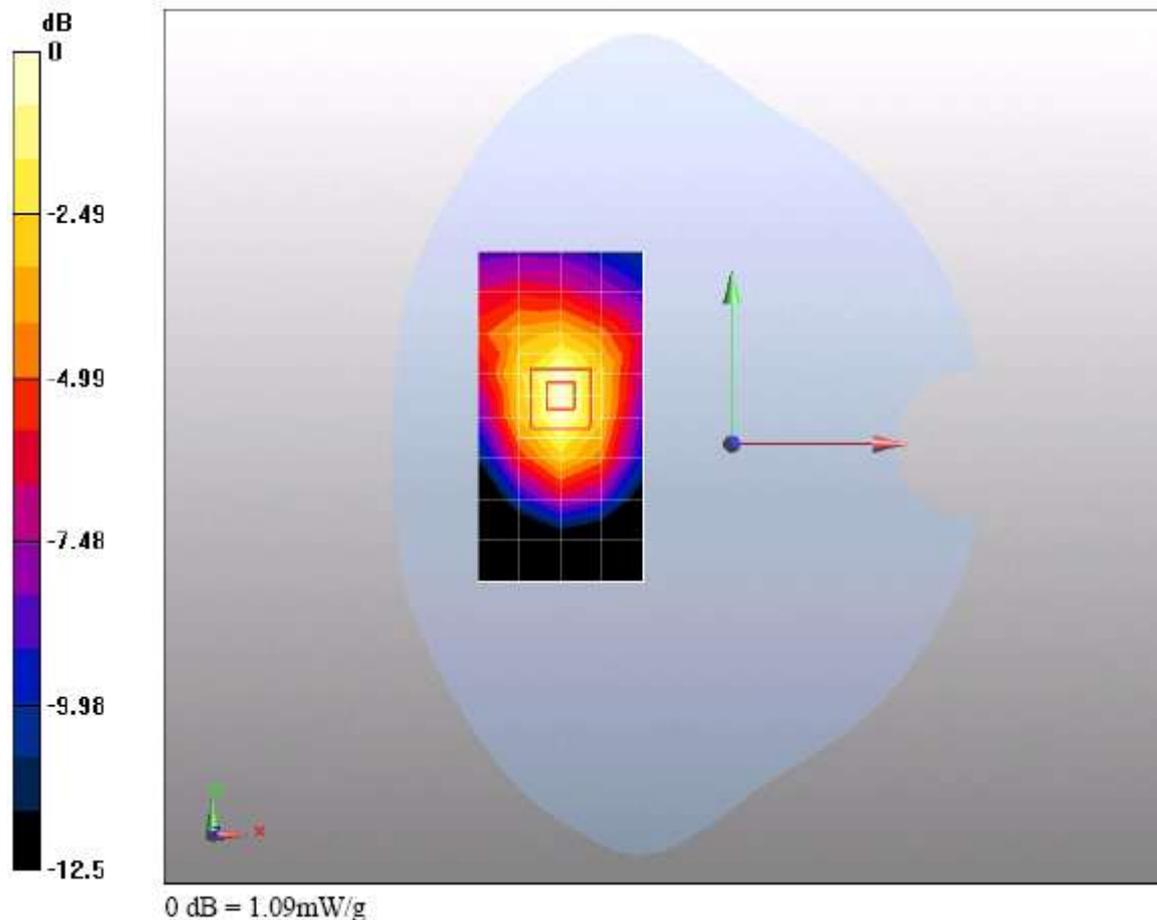
Reference Value = 5.83 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 1.5 W/kg

SAR(1 g) = 0.996 mW/g; SAR(10 g) = 0.620 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.09 mW/g

0 dB = 1.09mW/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 (4 timeslots in uplink) with ThinkPad T61 front side-GSM850

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.968 mho/m; ε_r = 55; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM1; Type: SAM; Serial: TP-1475
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
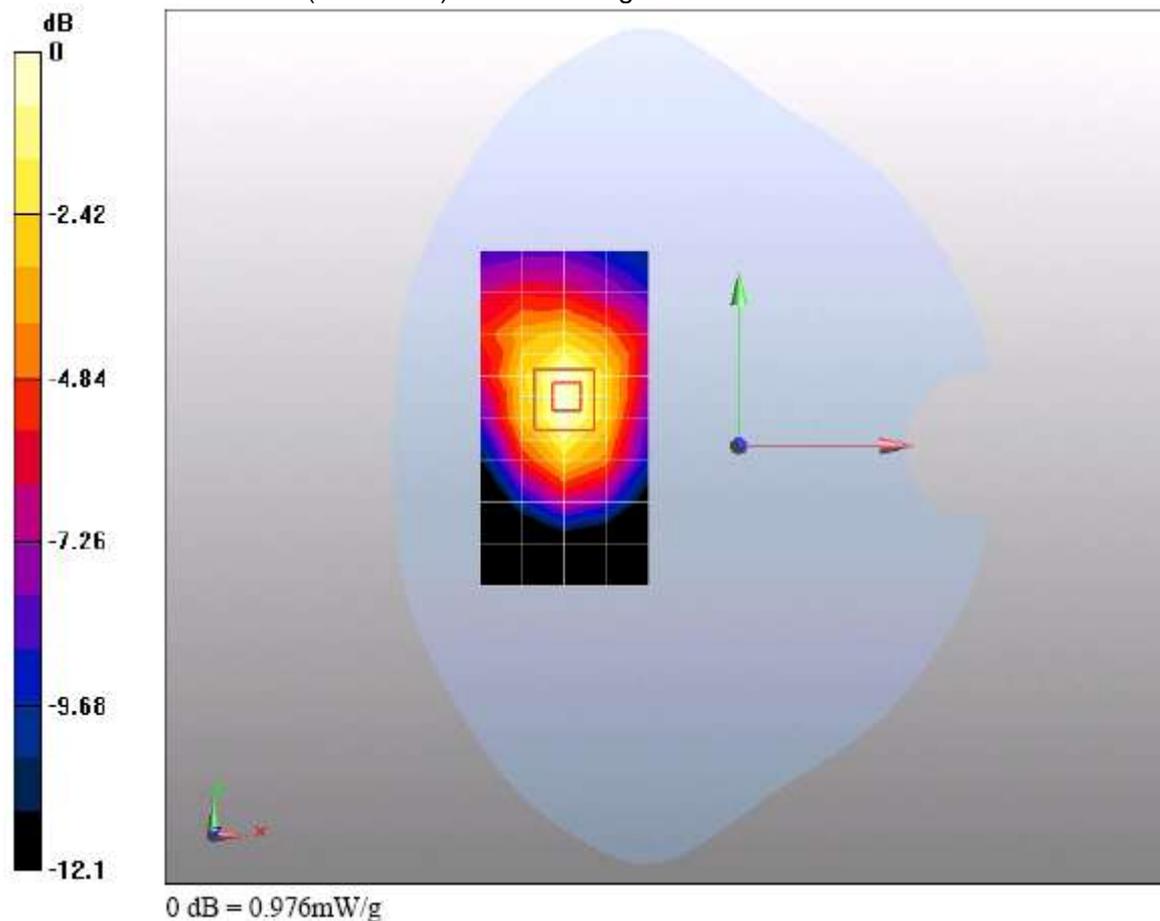Maximum value of SAR (measured) = 0.919 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.99 V/m; Power Drift = 0.104 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.566 mW/g
Maximum value of SAR (measured) = 0.976 mW/g

0 dB = 0.976mW/g

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

Annex 2.2   GSM 1900 MHz body

Date/Time: 12/21/2010 4:30:58 AM

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

DUT: E173s-3
Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
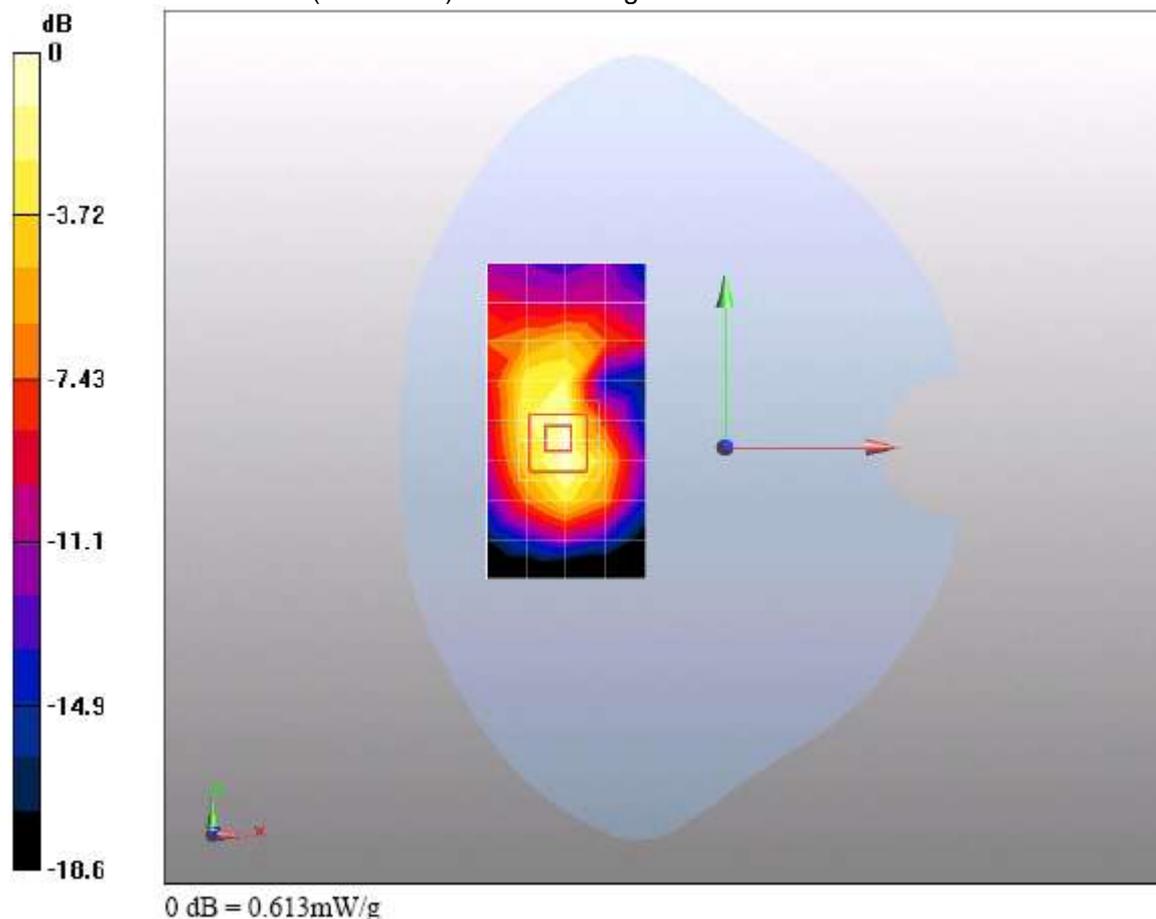Maximum value of SAR (measured) = 0.555 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.2 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.856 W/kg
SAR(1 g) = 0.550 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 0.613 mW/g

0 dB = 0.613mW/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 (2 timeslots in uplink) with ThinkPad X301 front side-GSM1900

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
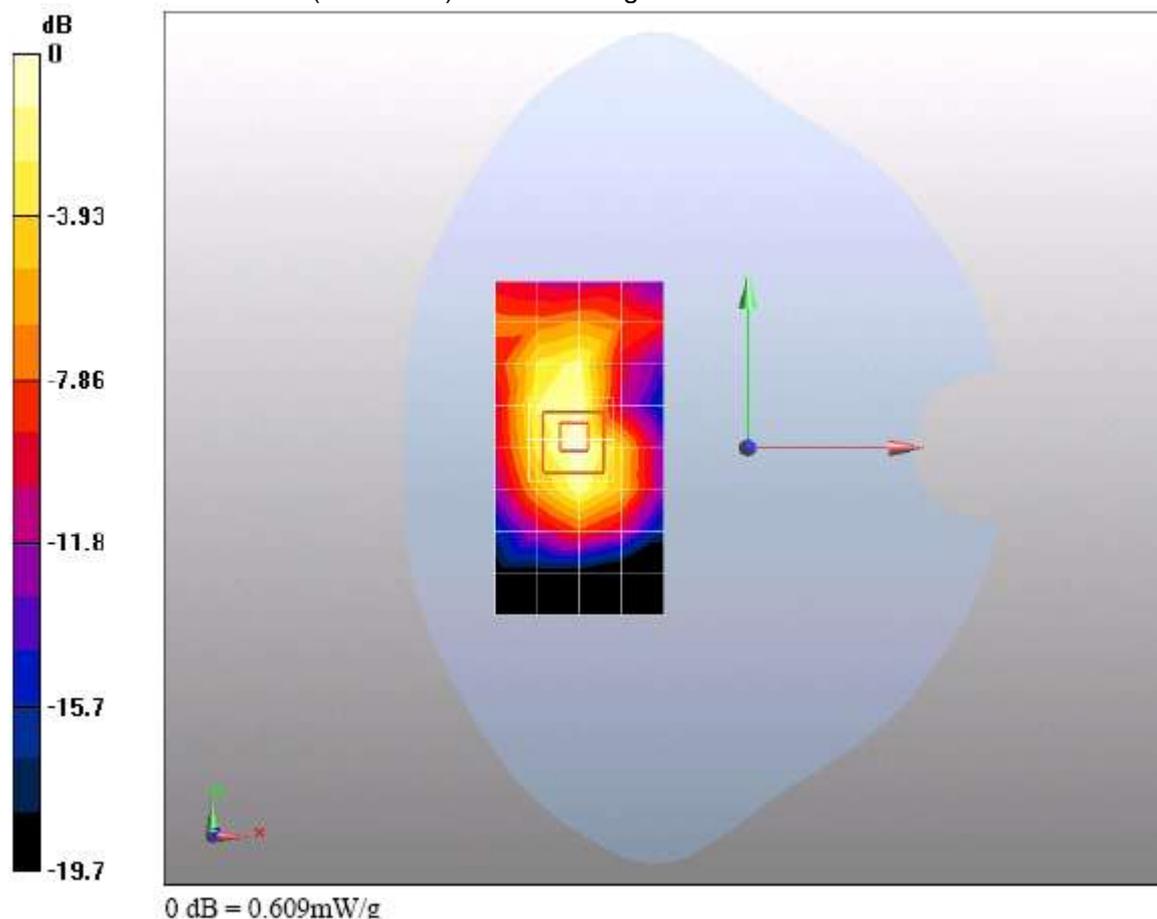
Maximum value of SAR (measured) = 0.596 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.47 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 0.854 W/kg

SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 0.609 mW/g

0 dB = 0.609mW/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: 12/21/2010 3:49:09 AM

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

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.536 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.21 V/m; Power Drift = 0.057 dB
Peak SAR (extrapolated) = 0.807 W/kg
SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.295 mW/g
Maximum value of SAR (measured) = 0.578 mW/g
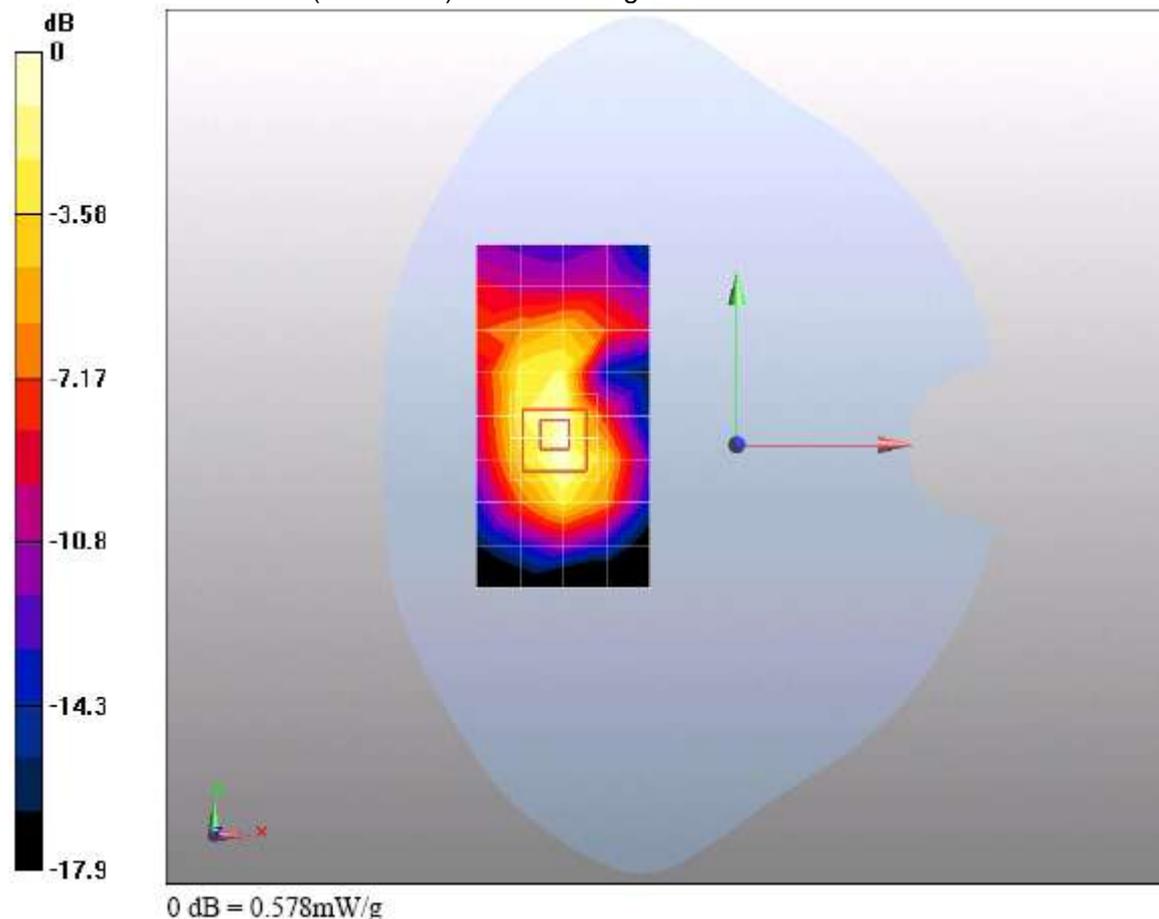
0 dB = 0.578mW/g

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

Date/Time: 12/21/2010 4:09:14 AM

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

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; εr = 51.9; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.574 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.06 V/m; Power Drift = -0.139 dB
Peak SAR (extrapolated) = 0.844 W/kg
SAR(1 g) = 0.546 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.610 mW/g
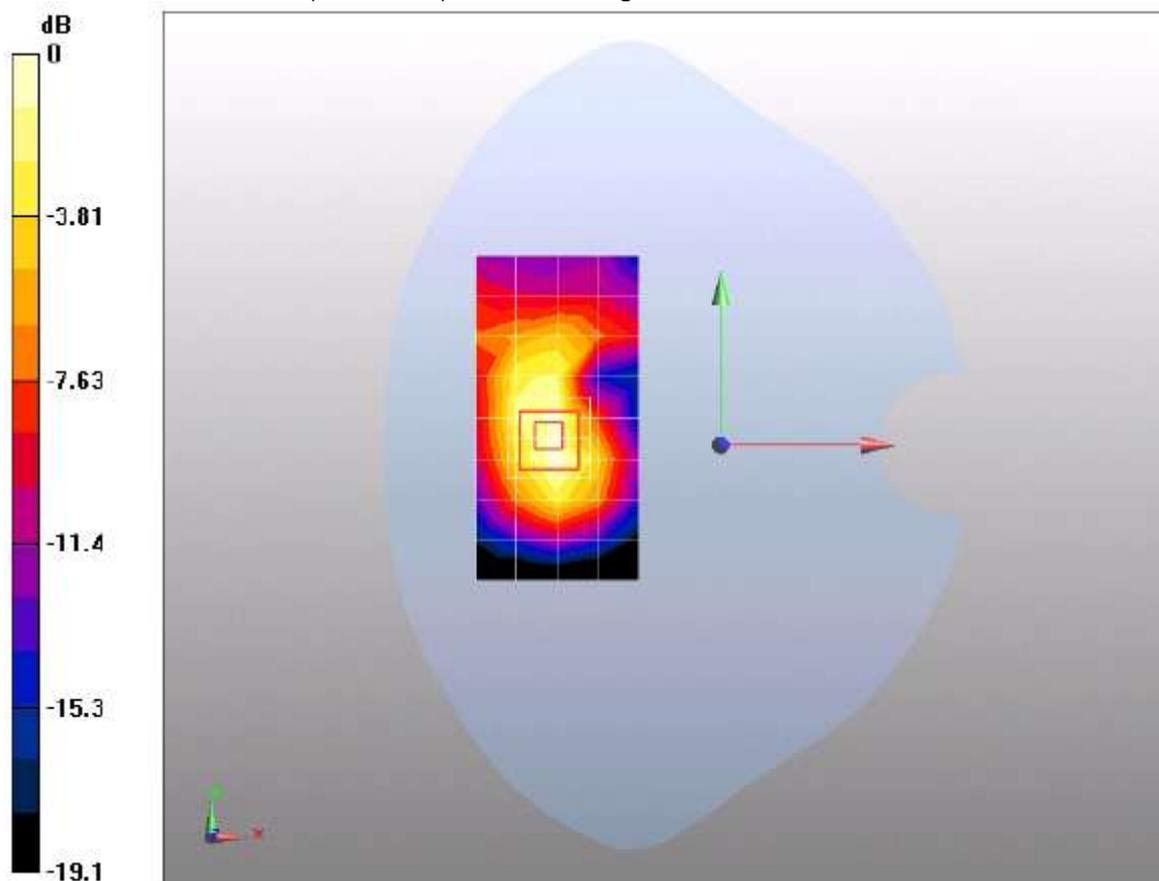
0 dB = 0.610mW/g

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-GPRS (1 timeslots in uplink) with ThinkPad T61 rear side-GSM1900

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.867 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.1 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.483 mW/g
Maximum value of SAR (measured) = 0.973 mW/g
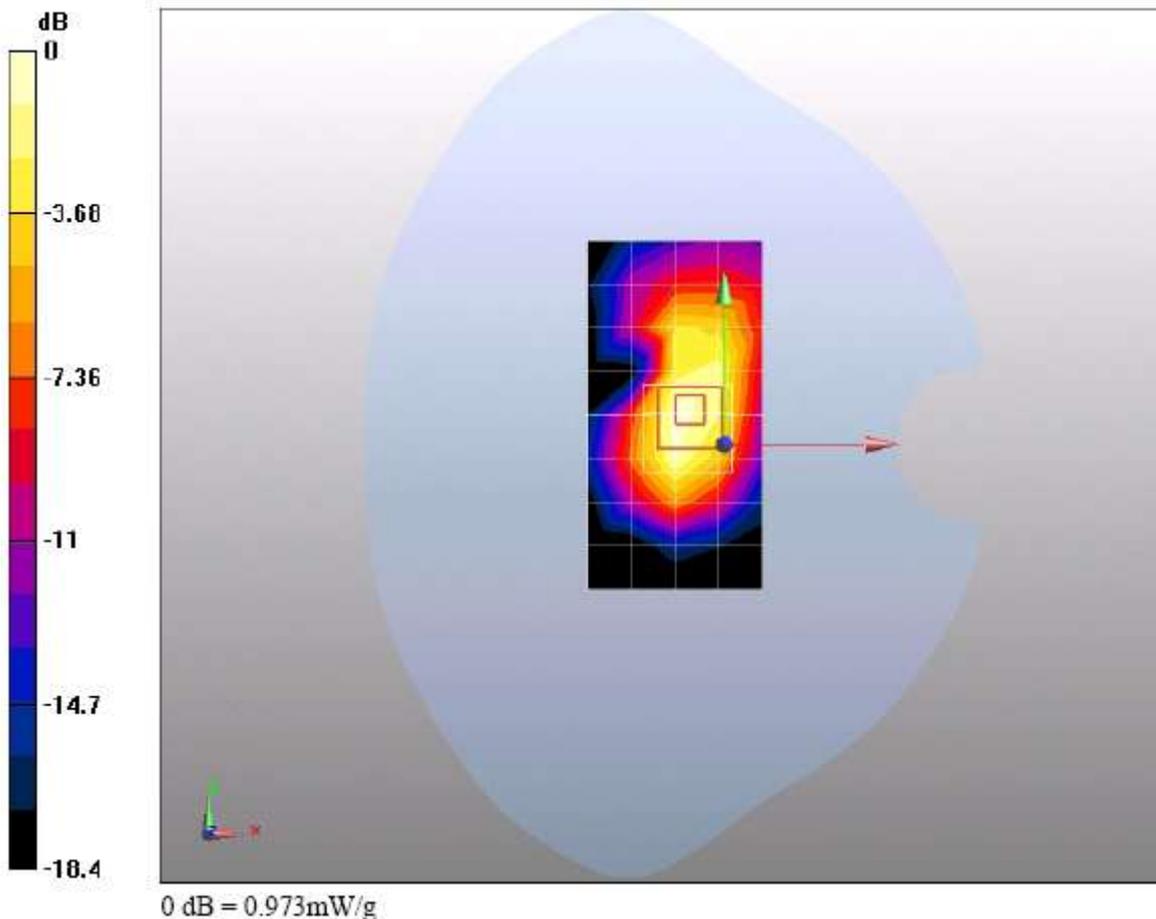
0 dB = 0.973mW/g

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

P1528_OET65-GPRS (1 timeslots in uplink) with ThinkPad T61 left side-GSM1900

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
 Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010
 Sensor-Surface: 4mm (Mechanical Surface Detection)
 Electronics: DAE4 Sn851; Calibrated: 6/30/2010
 Phantom: SAM2; Type: SAM; Serial: TP-1474
 Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.285 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.7 V/m; Power Drift = -0.00665 dB
Peak SAR (extrapolated) = 0.503 W/kg
SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.341 mW/g
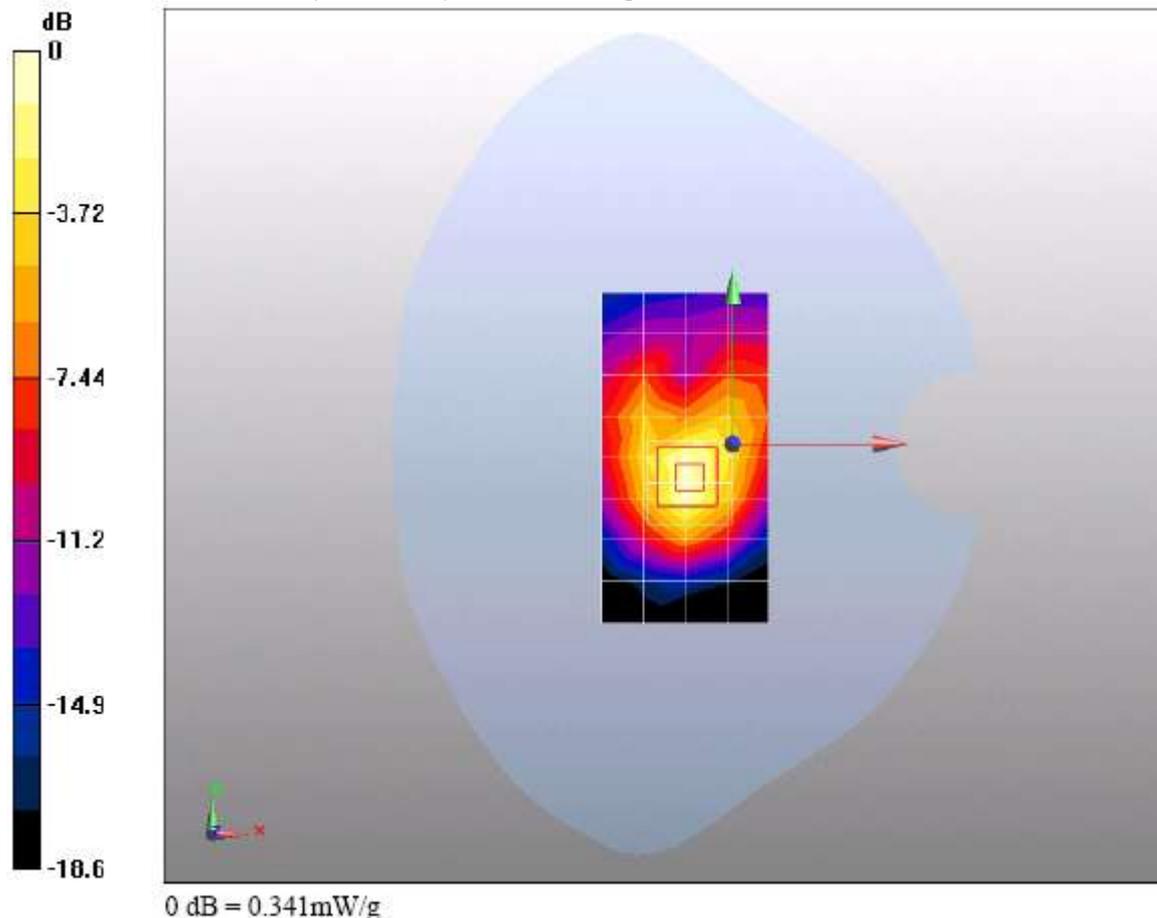
0 dB = 0.341mW/g

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: 12/21/2010 5:19:47 AM

P1528_OET65-GPRS (1 timeslots in uplink) with ThinkPad T61 right side-GSM1900

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
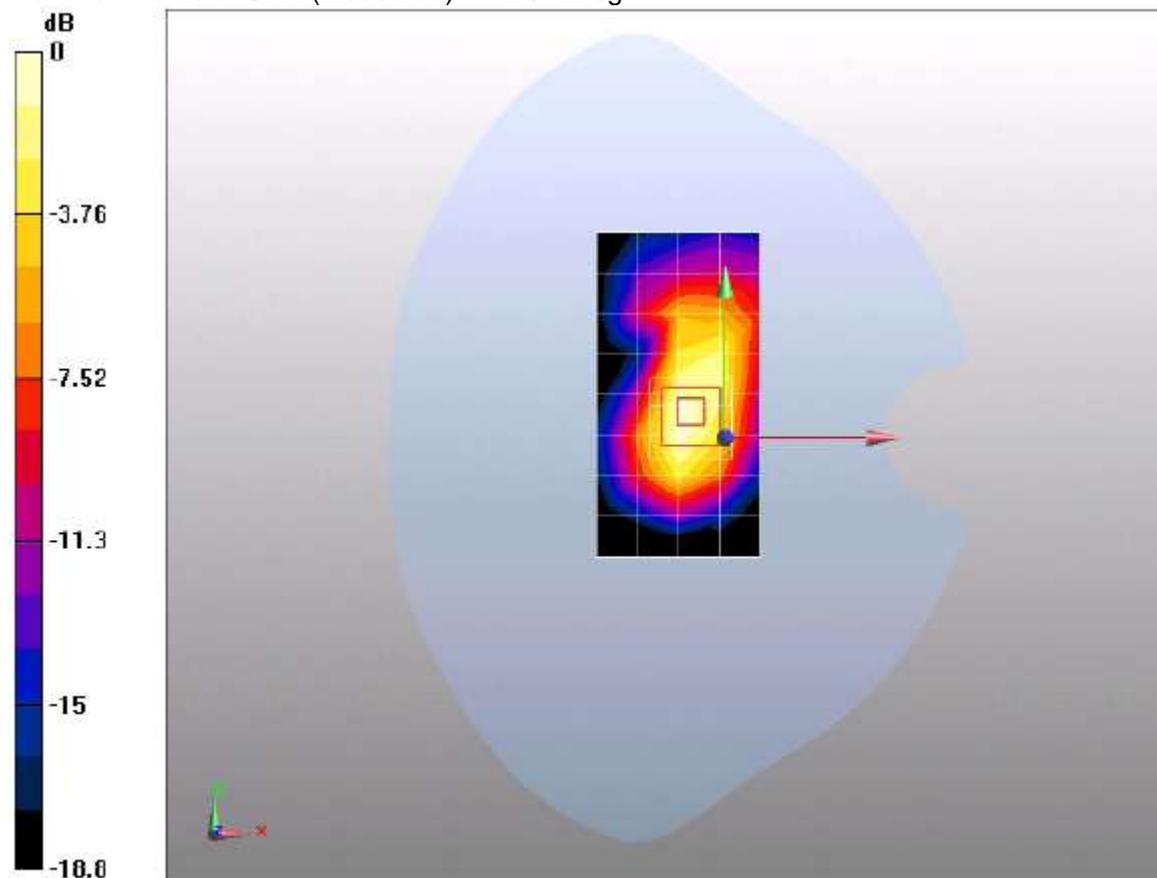Maximum value of SAR (measured) = 0.418 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.1 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 0.692 W/kg
SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.239 mW/g
Maximum value of SAR (measured) = 0.482 mW/g
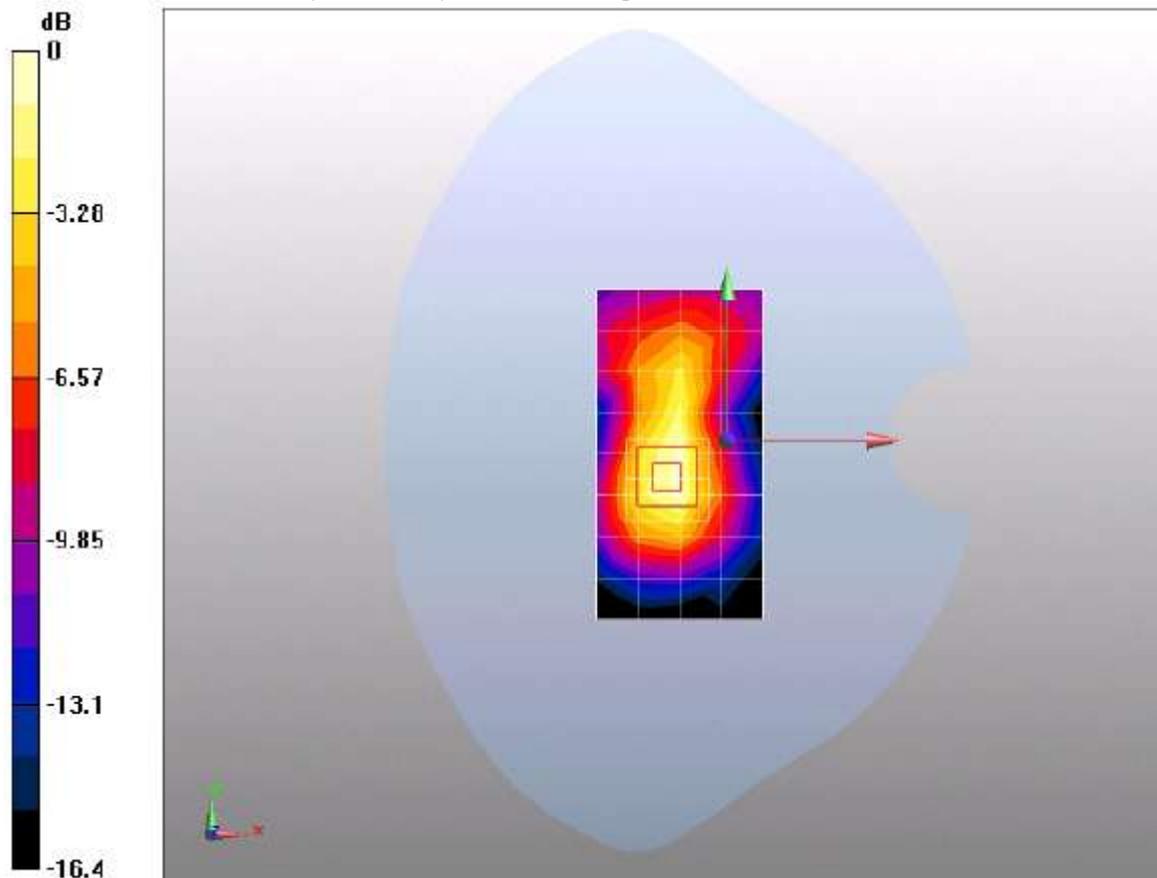
0 dB = 0.482mW/g

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 timeslots in uplink) with ThinkPad T61 rear side-GSM1900

DUT: E173s-3

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

Medium parameters used: f = 1910 MHz; σ = 1.58 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

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

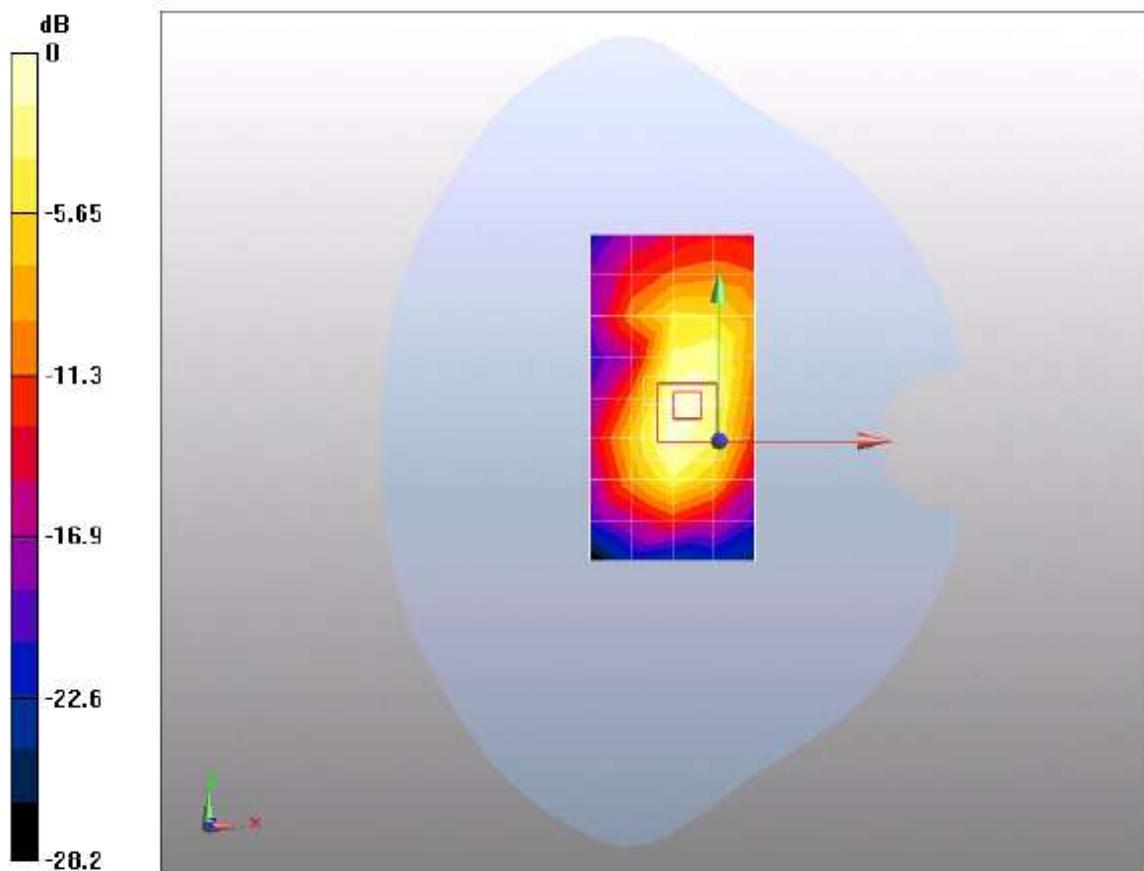**E173s-3/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.5 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.562 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

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P1528_OET65-GPRS (1 timeslots in uplink) with ThinkPad T61 rear side-GSM1900

DUT: E173s-3

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

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.52 mho/m; ε_r = 52.1; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  ̣ Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010
  ̣ Sensor-Surface: 4mm (Mechanical Surface Detection)
  ̣ Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  ̣ Phantom: SAM2; Type: SAM; Serial: TP-1474
  ̣ Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.932 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.972 mW/g; SAR(10 g) = 0.543 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.1 mW/g

0 dB = 1.1mW/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 (1 timeslots in uplink) with ThinkPad T61 rear side-GSM1900

DUT: E173s-3

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

Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  . Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

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

  . Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
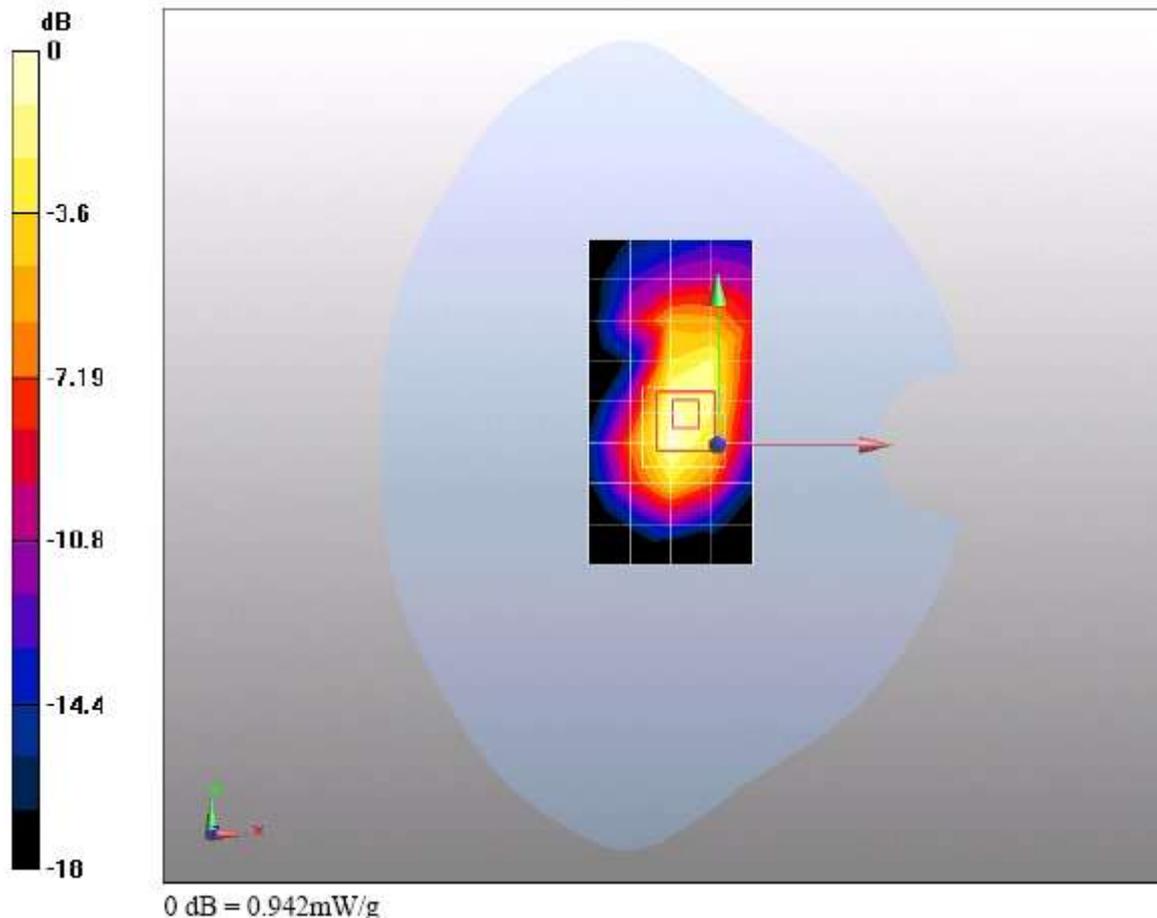
Maximum value of SAR (measured) = 0.835 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.6 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.474 mW/g

Maximum value of SAR (measured) = 0.960 mW/g
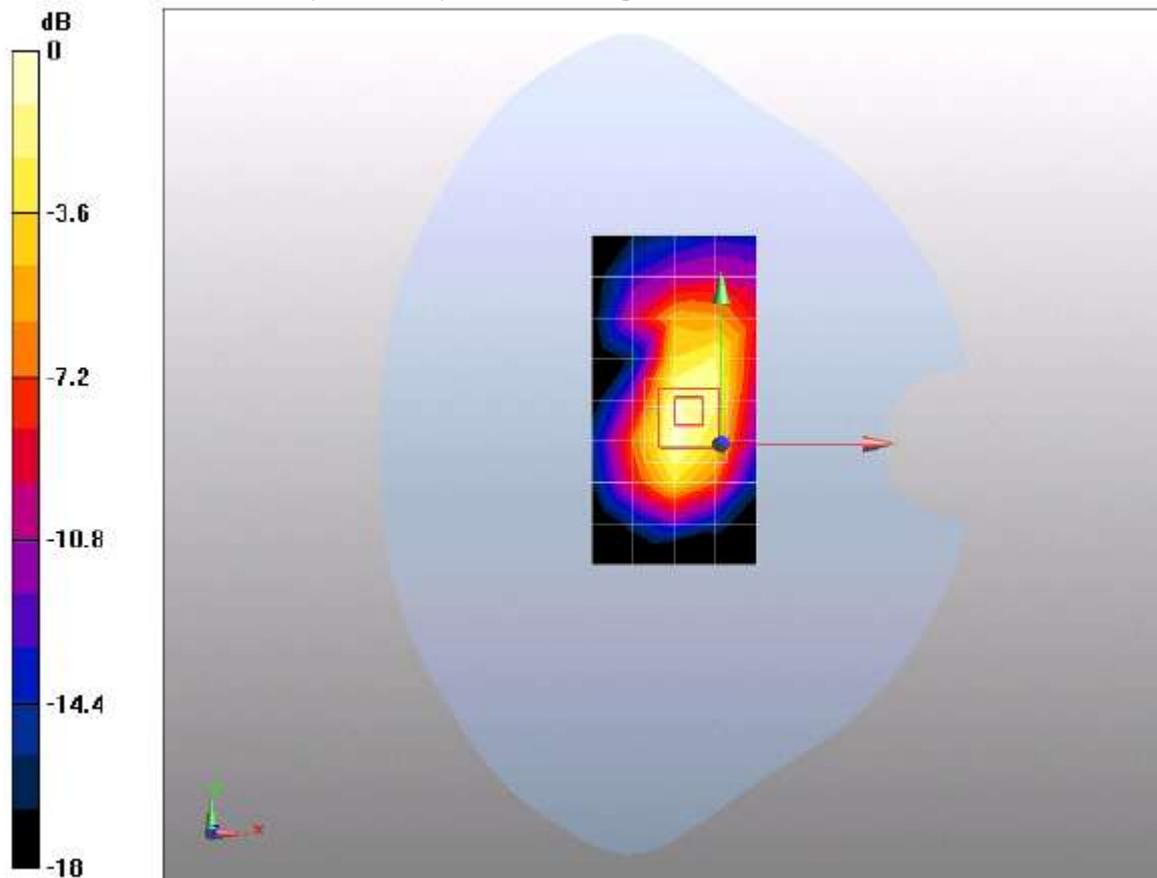
0 dB = 0.960mW/g

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 T61 rear side-GSM1900

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

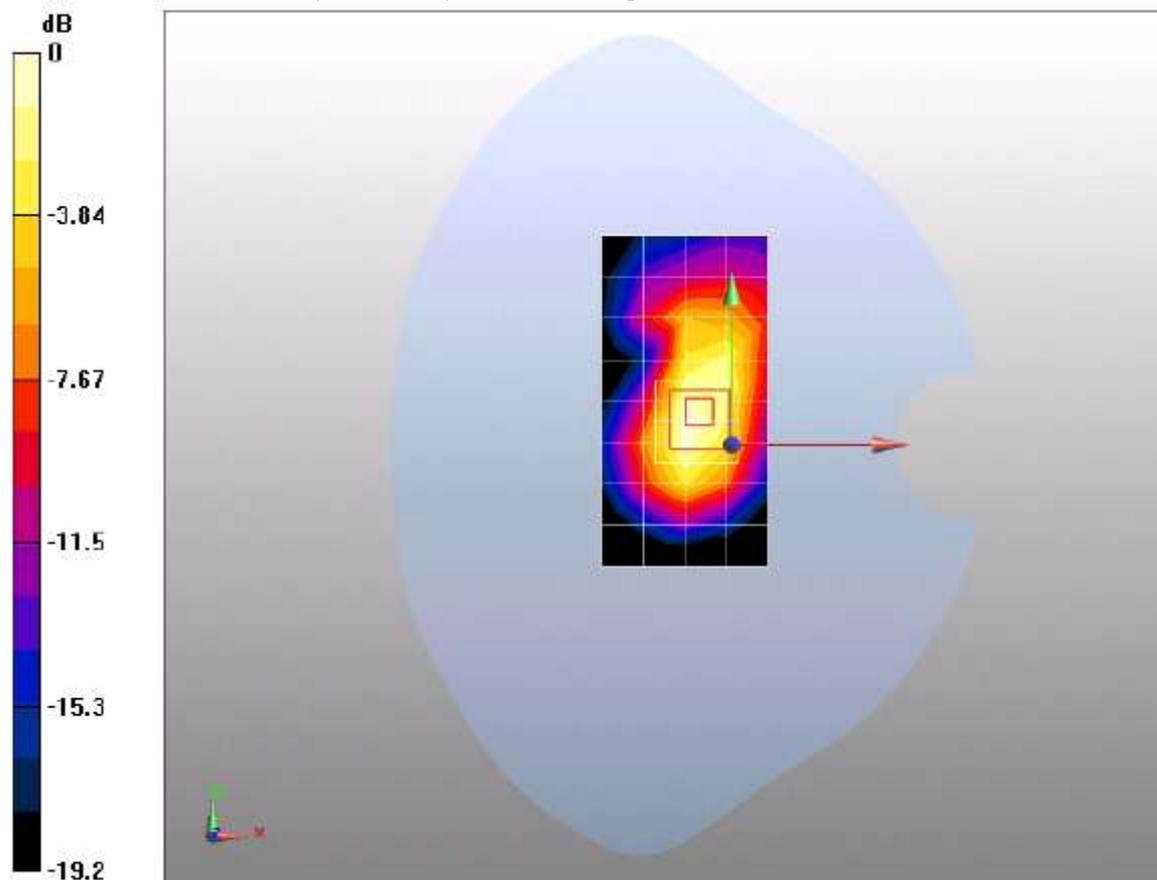Maximum value of SAR (measured) = 0.821 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.4 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 0.942 mW/g

0 dB = 0.942mW/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 (3 timeslots in uplink) with ThinkPad T61 rear side-GSM1900

DUT: E173s-3

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

Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
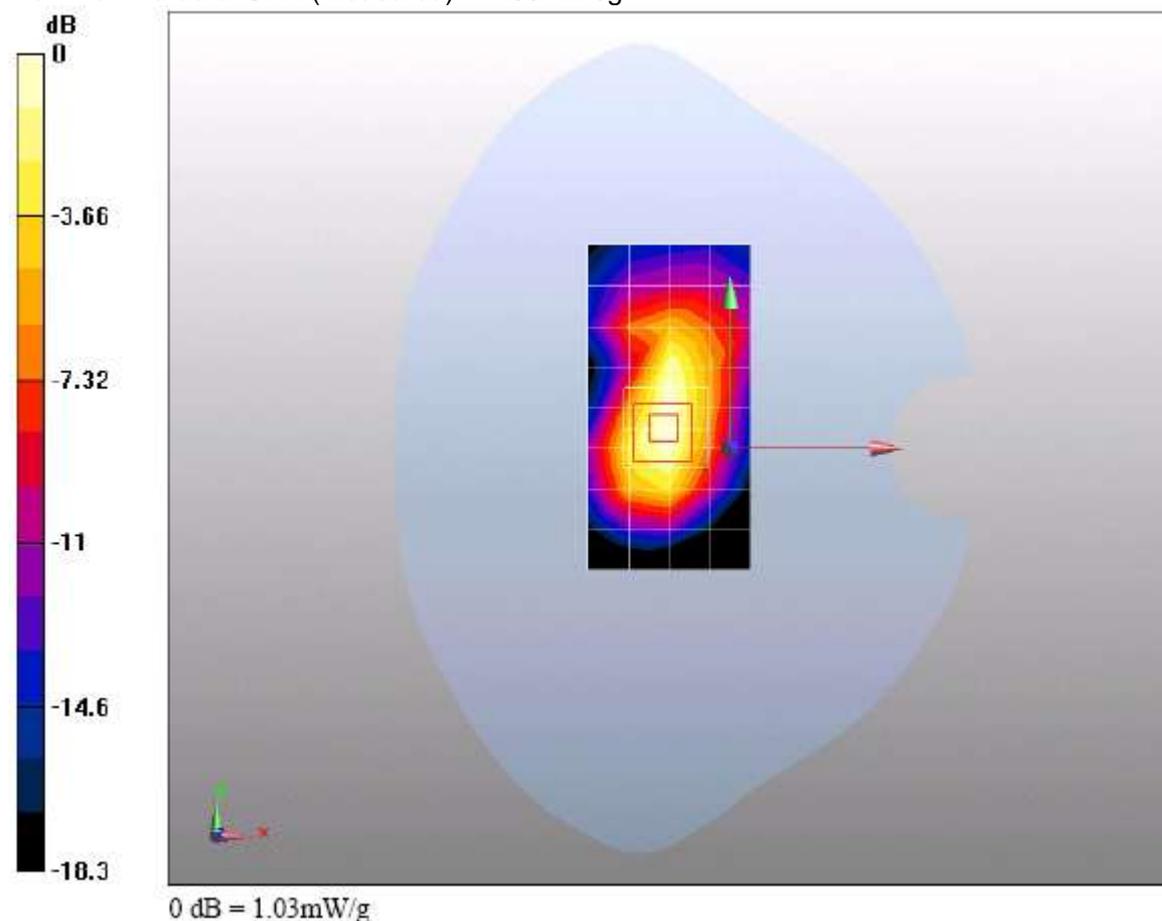
Maximum value of SAR (measured) = 0.771 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.9 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.438 mW/g

Maximum value of SAR (measured) = 0.879 mW/g
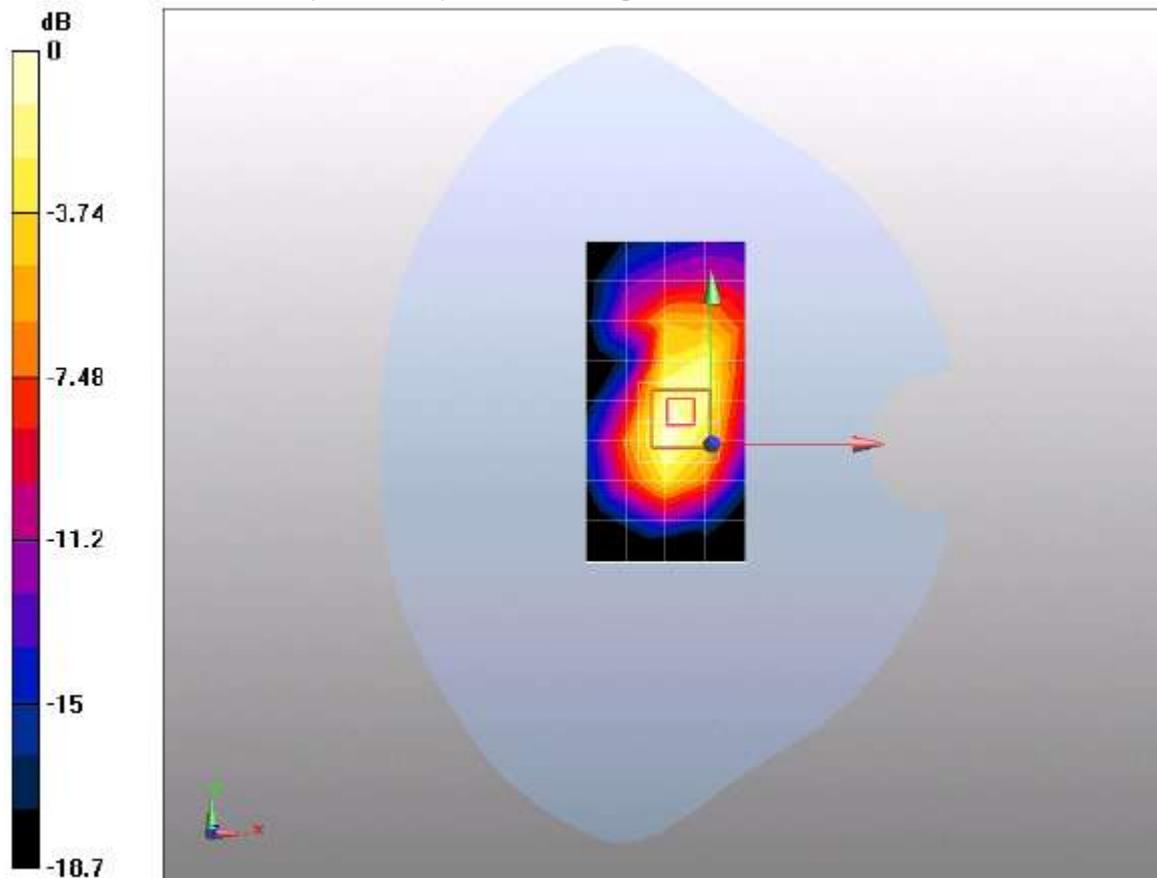
0 dB = 0.879mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

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

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

DUT: E173s-3

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

Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.818 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

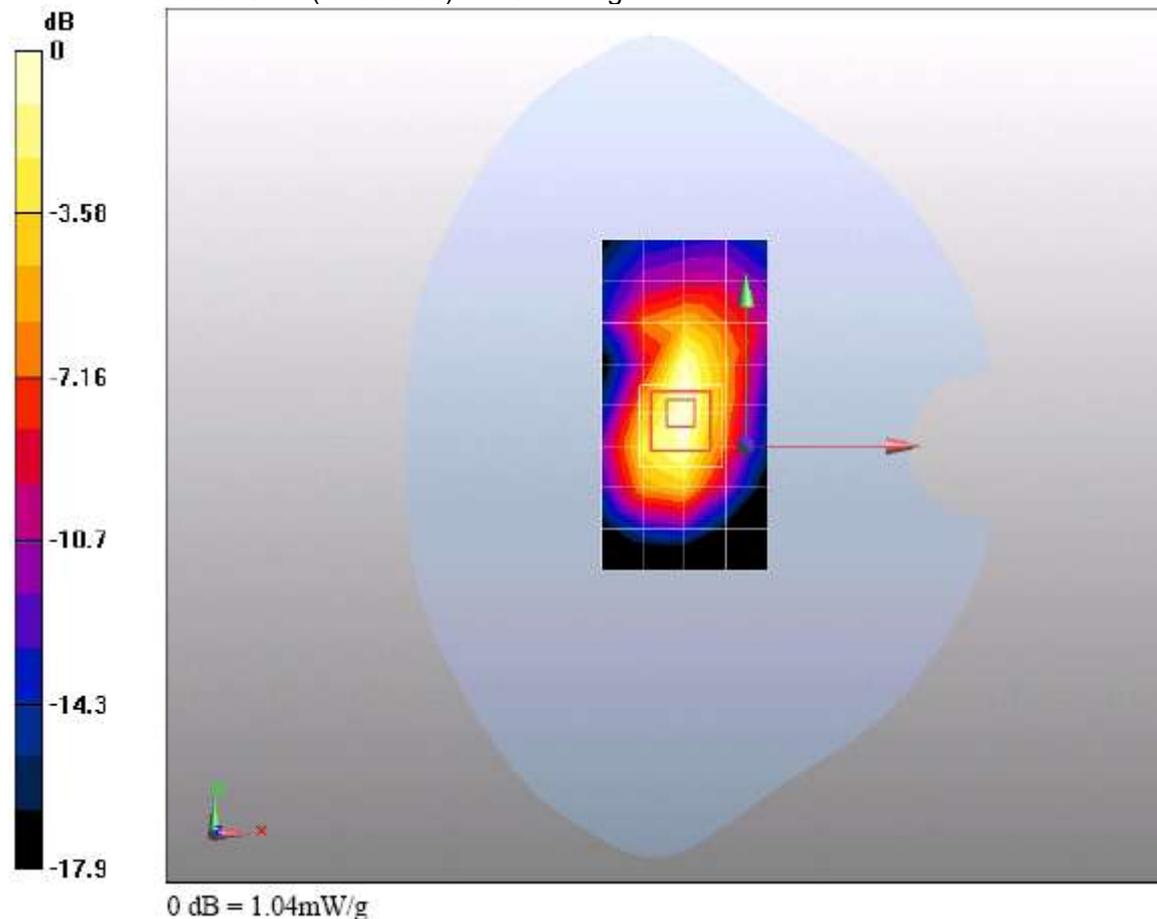Reference Value = 23.5 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.467 mW/g

Maximum value of SAR (measured) = 0.936 mW/g

0 dB = 0.936mW/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 timeslots in uplink) with ThinkPad T61 rear side-GSM1900

DUT: E173s-3

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

Medium parameters used: f = 1910 MHz; σ = 1.56 mho/m; ε_r = 50.7; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

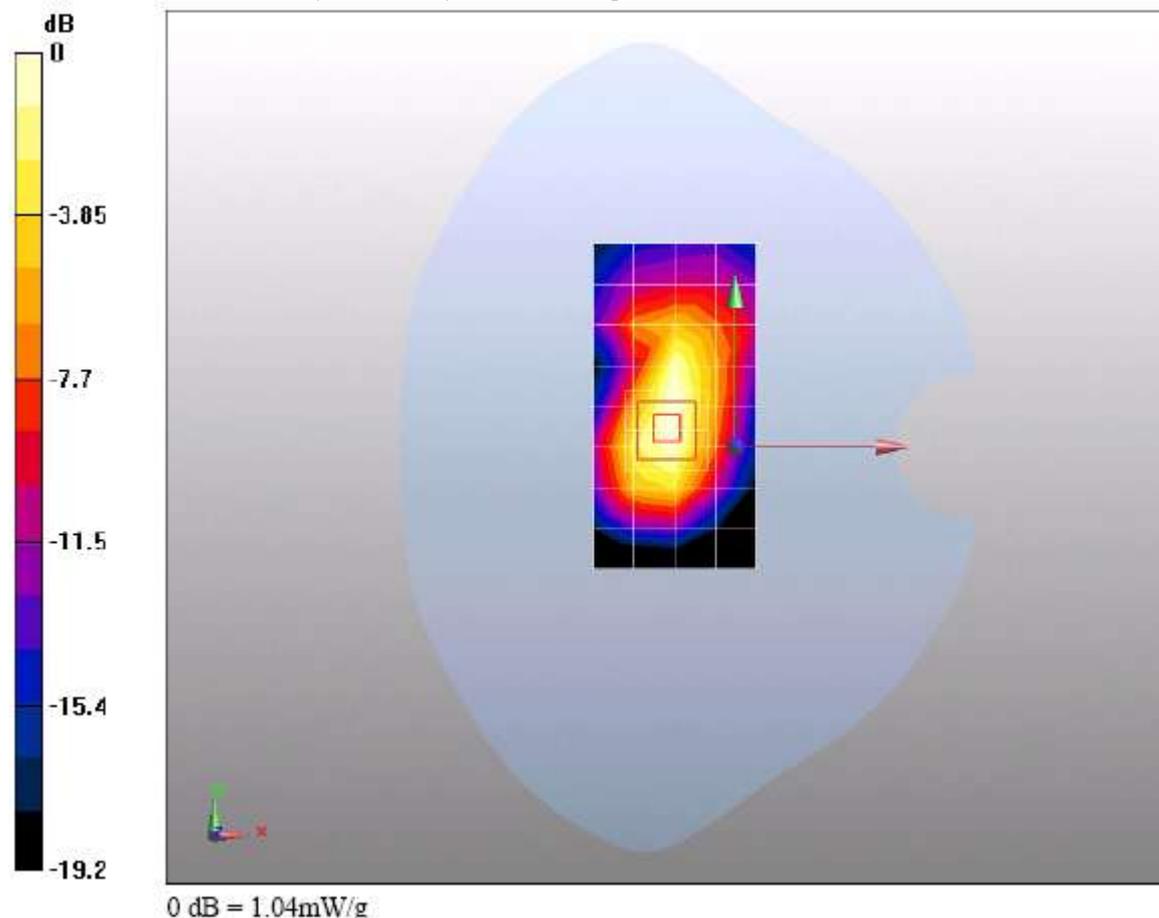Maximum value of SAR (measured) = 1.01 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.514 mW/g

Maximum value of SAR (measured) = 1.03 mW/g

0 dB = 1.03mW/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 (1 timeslots in uplink) with ThinkPad T61 rear side-GSM1900

DUT: E173s-3

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 = 50.7; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
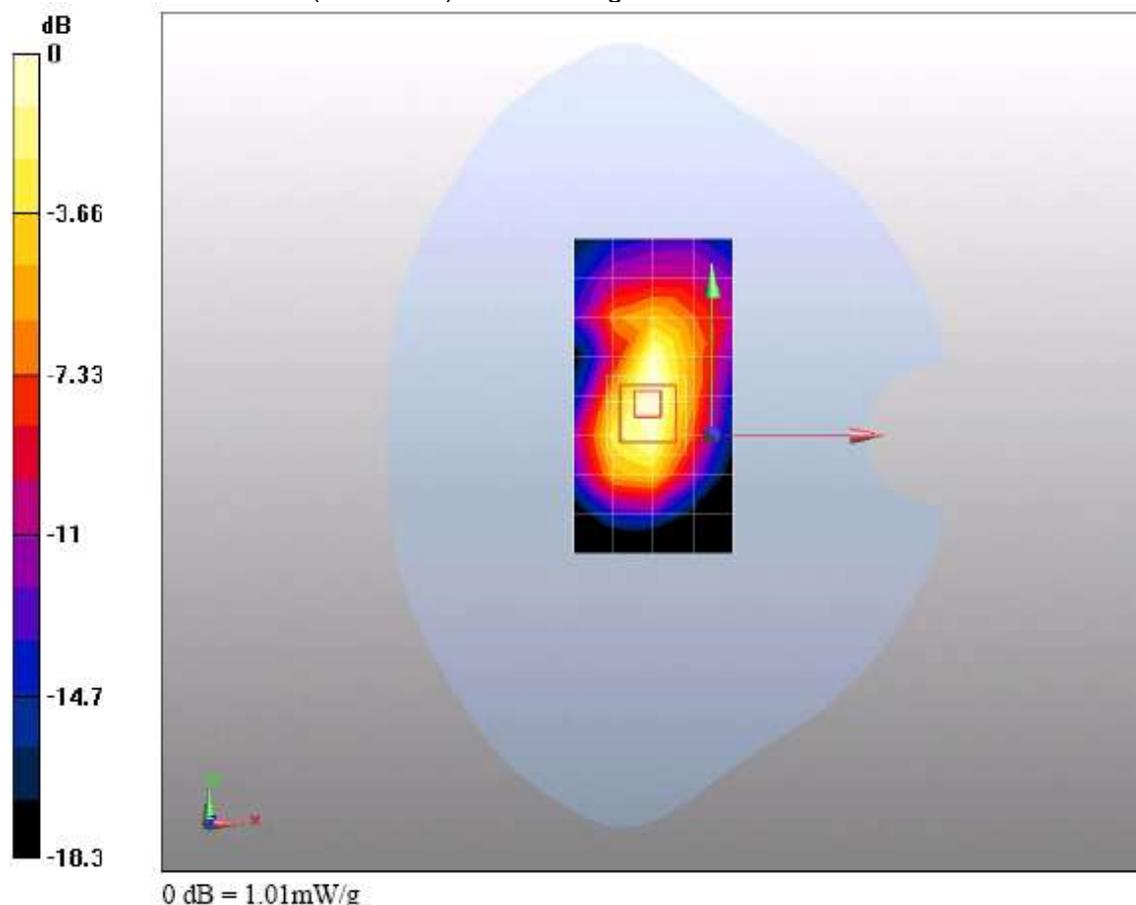
Maximum value of SAR (measured) = 1.03 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m; Power Drift = -0.00539 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.516 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.04 mW/g

0 dB = 1.04mW/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 rear side-GSM1900

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1909.8 MHz

Medium parameters used: f = 1910 MHz; σ = 1.56 mho/m; ε_r = 50.7; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

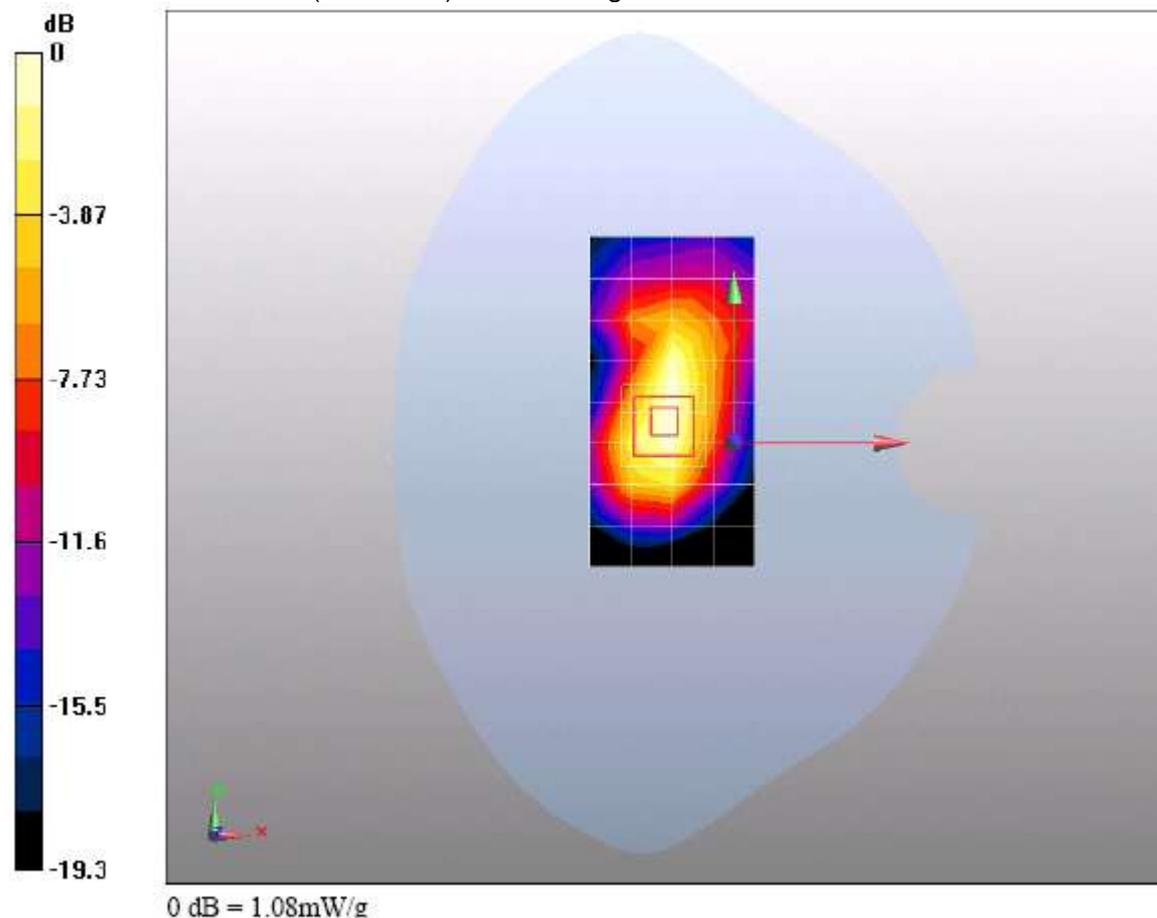Maximum value of SAR (measured) = 1.02 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.7 V/m; Power Drift = 0.139 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.522 mW/g

Maximum value of SAR (measured) = 1.04 mW/g

0 dB = 1.04mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

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

Date/Time: 12/24/2010 11:25:39 AM

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

DUT: E173s-3

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 = 50.7; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

 Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

 Sensor-Surface: 4mm (Mechanical Surface Detection)

 Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

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

**E173s-3/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.9 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.507 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: 22.1°C

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

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 1909.8 MHz
Medium parameters used: f = 1910 MHz; σ = 1.56 mho/m; ε_r = 50.7; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM2; Type: SAM; Serial: TP-1474
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.04 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.8 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.537 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 (4 timeslots in uplink) with ThinkPad T61 rear side-GSM1900

DUT: E173s-3

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.48 mho/m; εr = 50.7; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(6.81, 6.96, 7.3); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
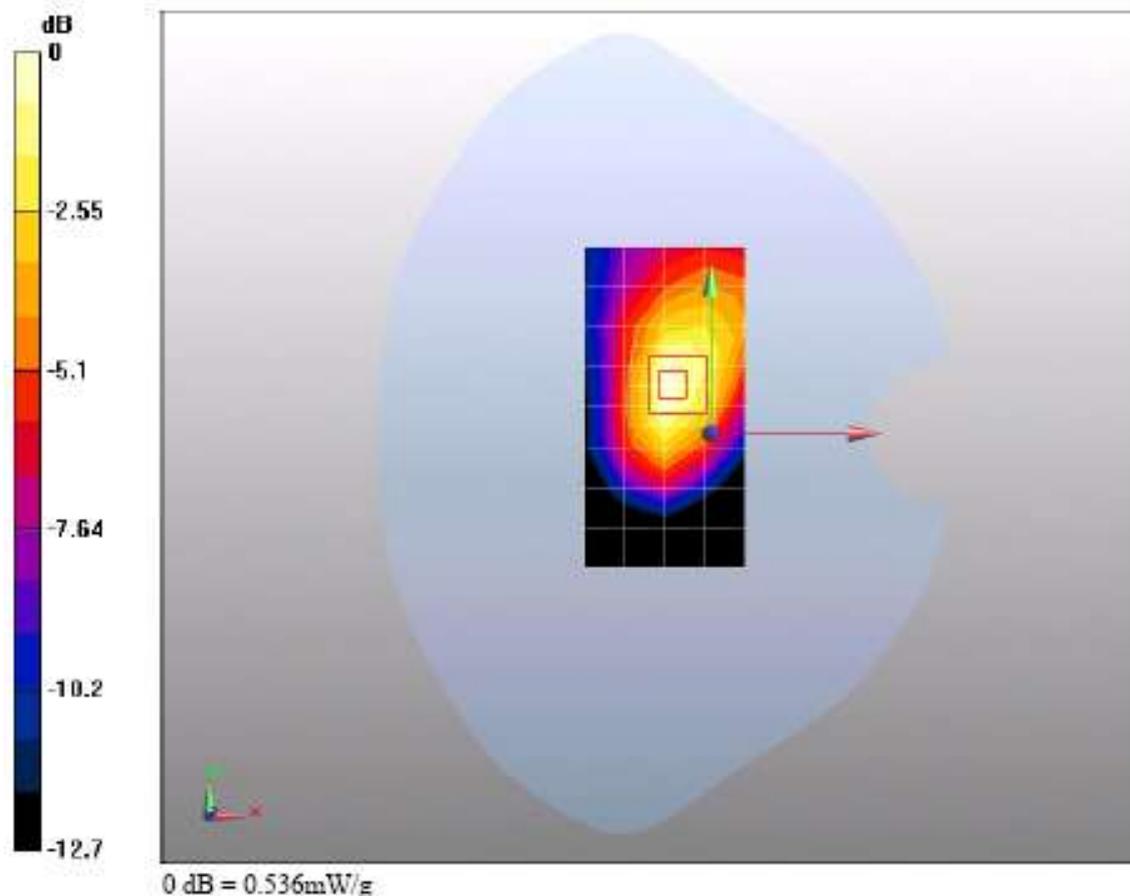
Maximum value of SAR (measured) = 1.04 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.916 mW/g; SAR(10 g) = 0.514 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.03 mW/g

0 dB = 1.03mW/g
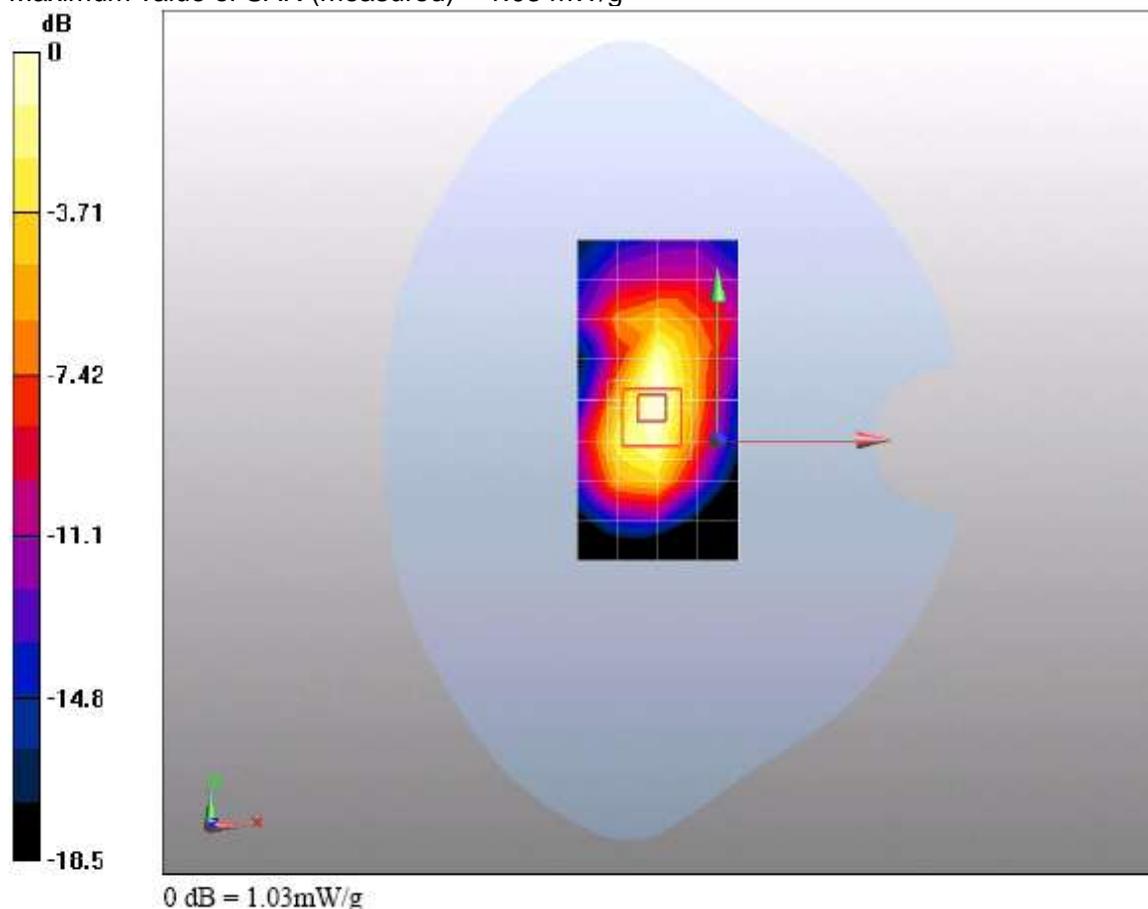
Additional information:

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: 12/25/2010 8:22:02 PM

P1528_OET65-WCDMA with ThinkPad X301 front side-WCDMA850
DUT: E173s-3
Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.978 mho/m; $ε_r$ = 53.4; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM1; Type: SAM; Serial: TP-1475
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.529 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.29 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 0.779 W/kg
SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.325 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.568 mW/g
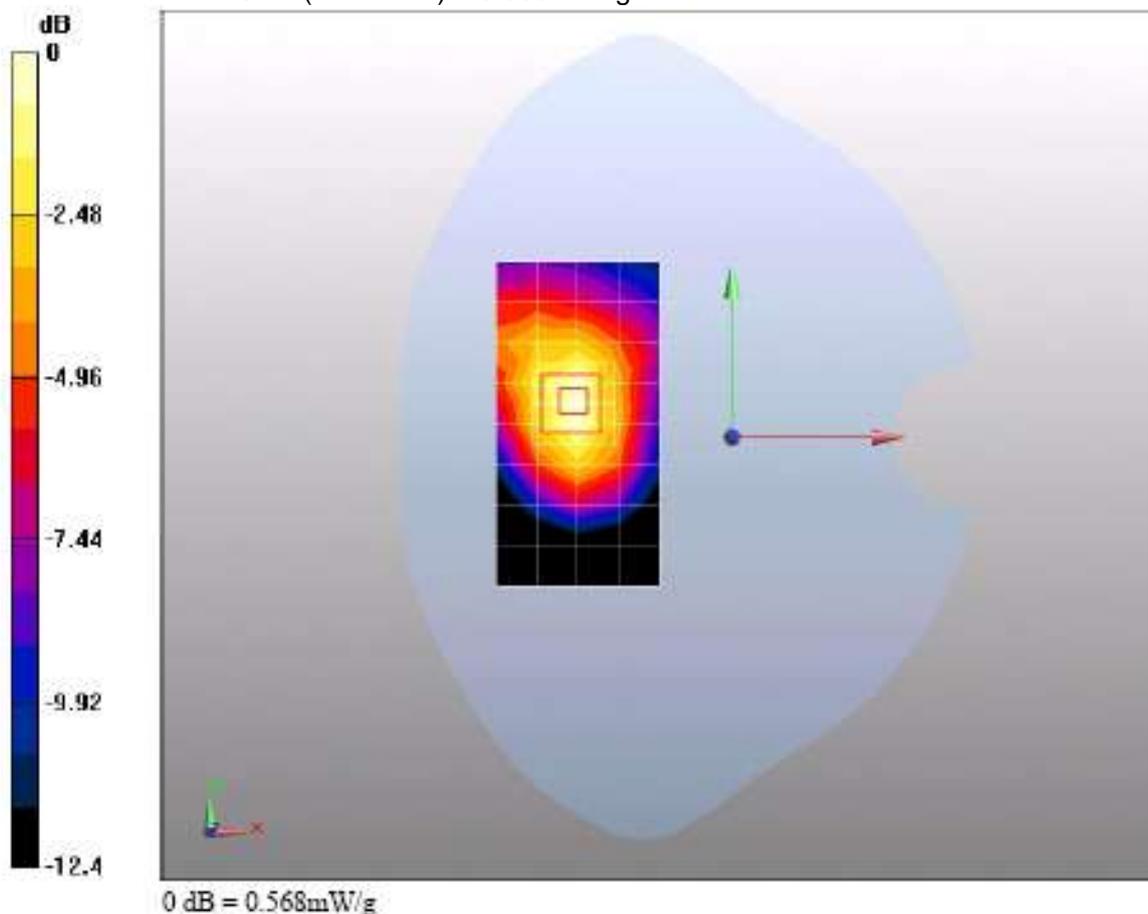
0 dB = 0.568mW/g

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: 12/24/2010 3:57:41 PM

P1528_OET65-WCDMA with ThinkPad T61 rear side-WCDMA850

DUT: E173s-3

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.968 mho/m; ε_r = 54; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

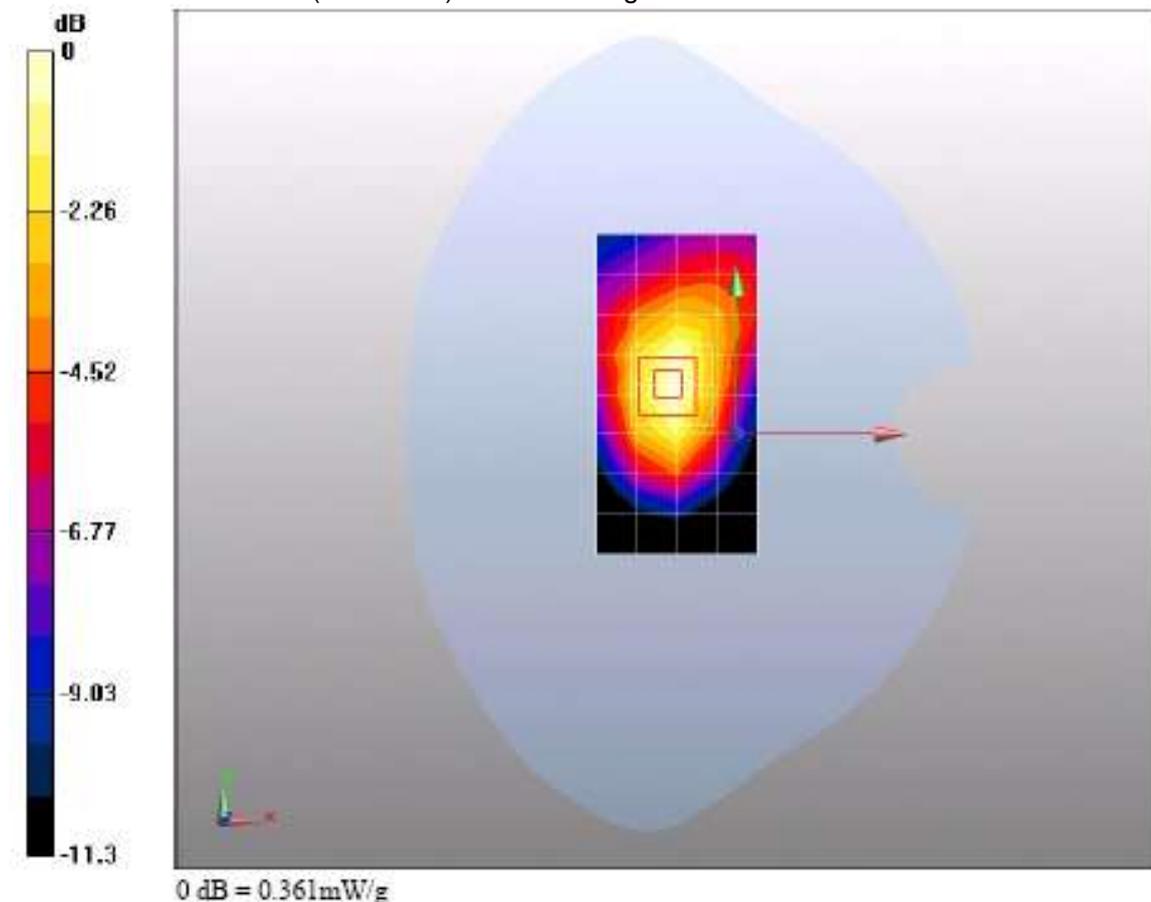Maximum value of SAR (measured) = 0.492 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.7 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.751 W/kg

SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.296 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.536 mW/g

0 dB = 0.536mW/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-WCDMA with ThinkPad T61 left side-WCDMA850

DUT: E173s-3

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.968 mho/m; ε_r = 54; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.174 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.119 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.185 mW/g
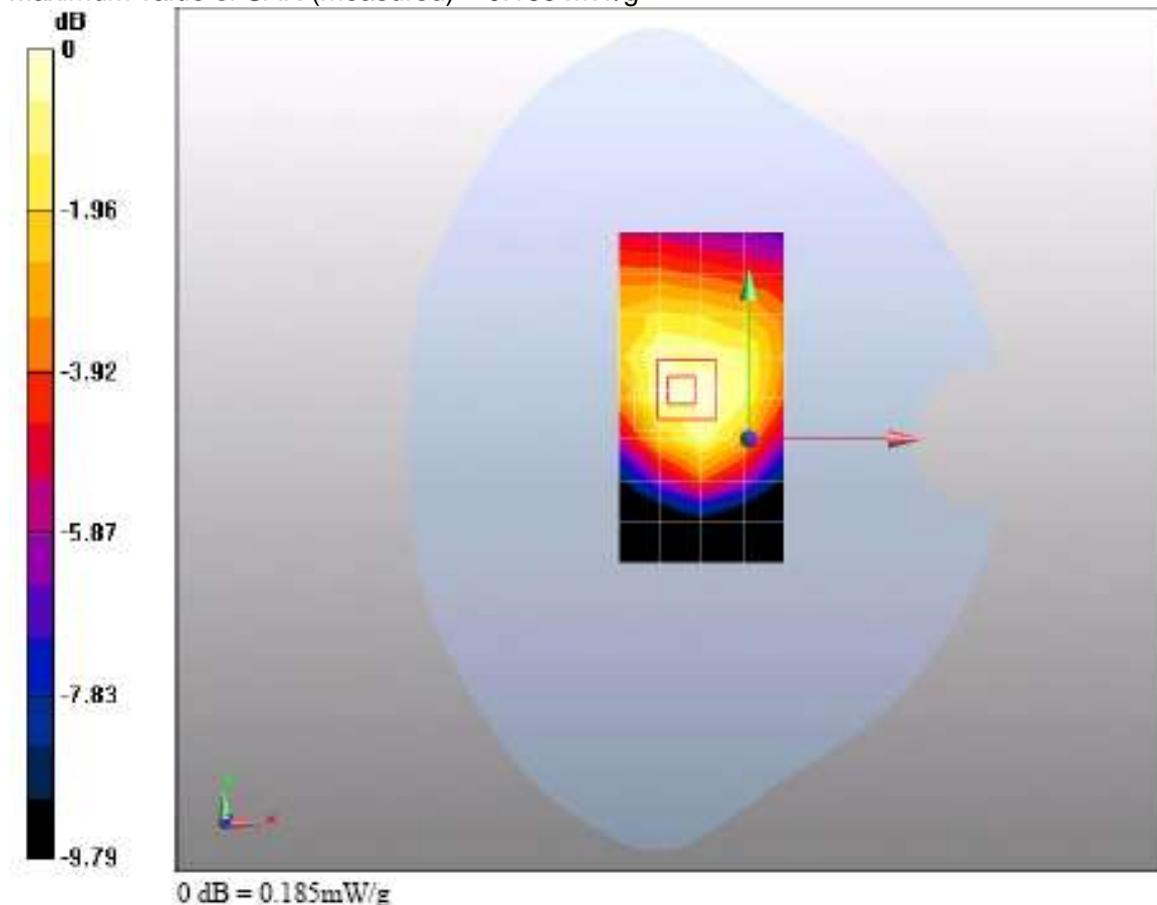
0 dB = 0.185mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

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

P1528_OET65-WCDMA with ThinkPad T61 right side-WCDMA850

DUT: E173s-3

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.968 mho/m; ε_r = 54; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.357 mW/g

**E173s-3/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.511 W/kg

SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.210 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.361 mW/g

0 dB = 0.361mW/g

Additional information:

position or distance of DUT to SAM:5 mm

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

P1528_OET65-WCDMA with ThinkPad X301 front side-WCDMA850

DUT: E173s-3

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

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.983 mho/m; ε_r = 53.4; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 6/30/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.585 mW/g

**E173s-3/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.52 V/m; Power Drift = 0.122 dB

Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.374 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.658 mW/g
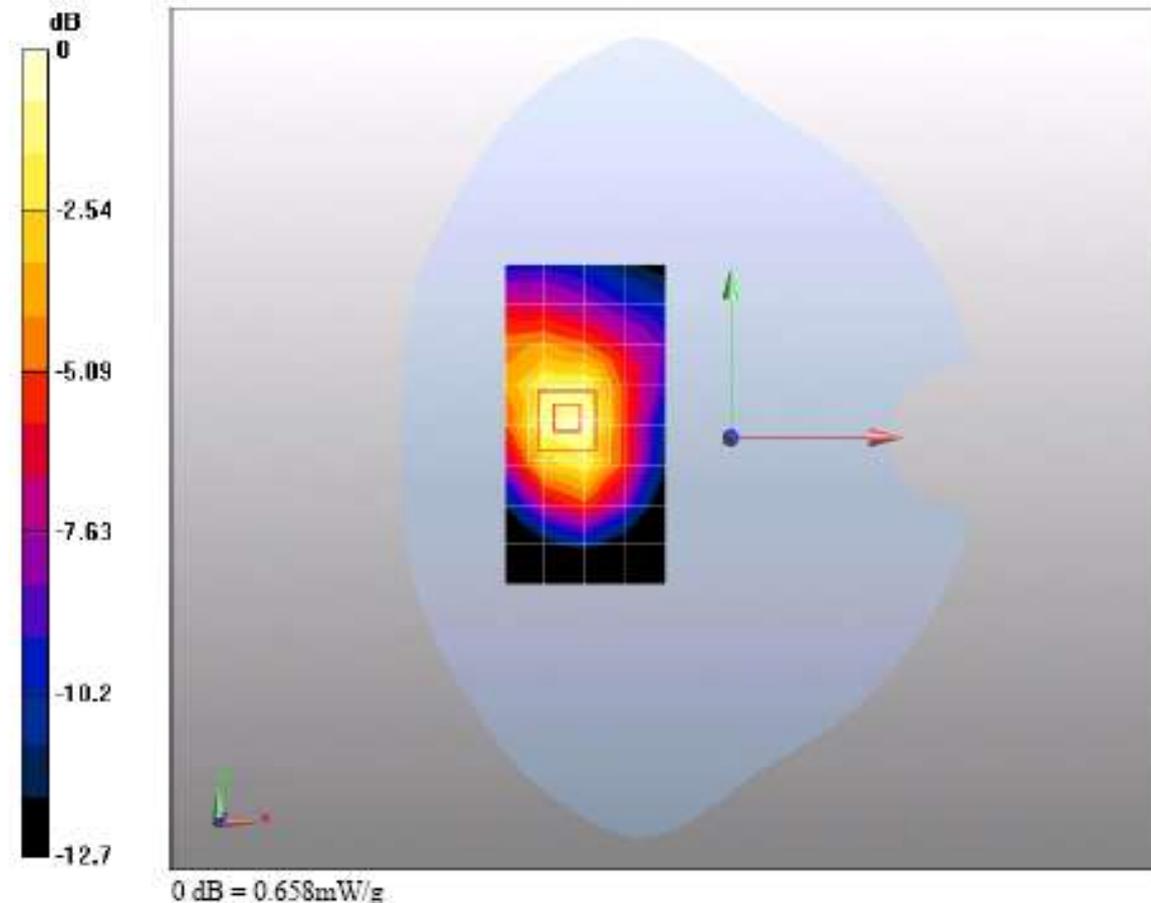
0 dB = 0.658mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

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

## P1528_OET65-WCDMA with ThinkPad X301 front side-WCDMA850

DUT: E173s-3

Communication System: HW -UMTS-FDD; Frequency: 826.4 MHz
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.979 mho/m; $ε_r$ = 53.8; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 6/30/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.569 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.41 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 0.814 W/kg
SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.338 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.590 mW/g
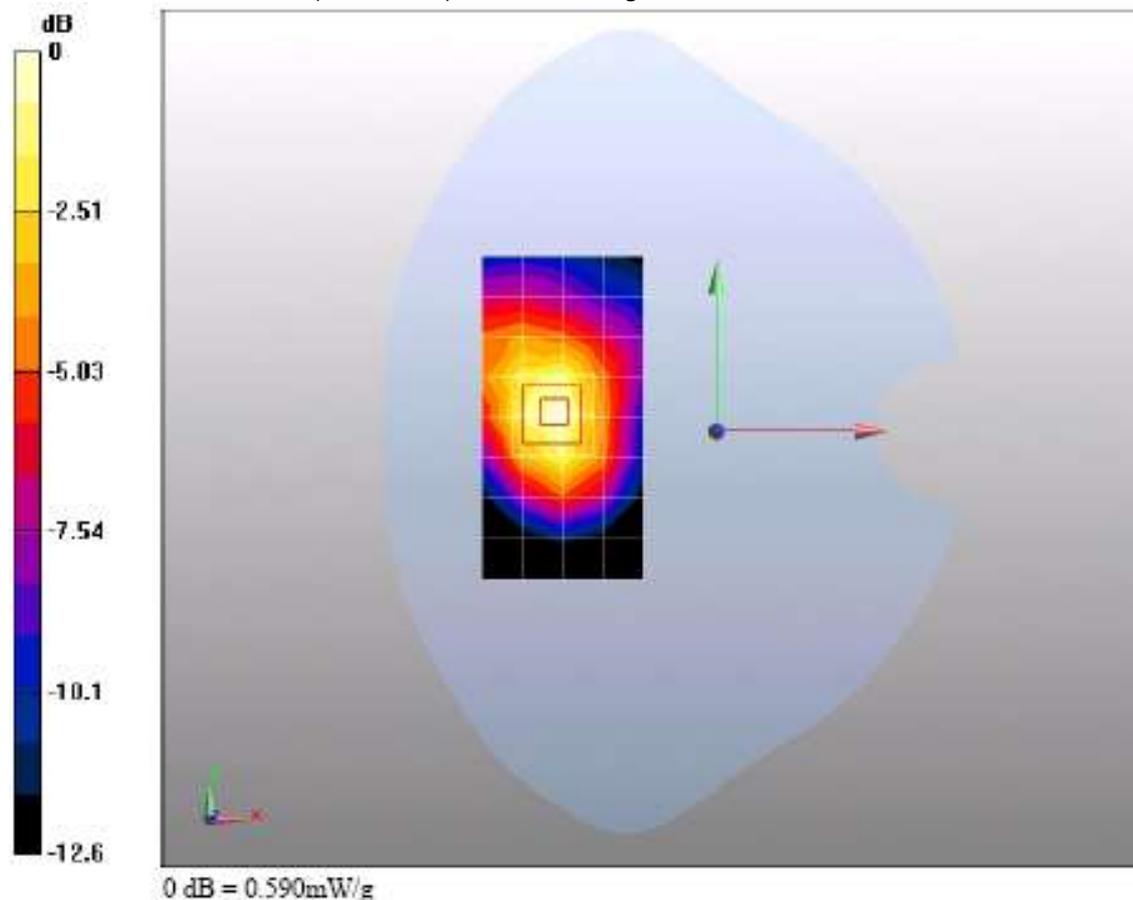
0 dB = 0.590mW/g

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

Date/Time: 12/25/2010 10:01:30 PM

P1528_OET65-HSDPA with ThinkPad X301 front side-WCDMA850
DUT: E173s-3
Communication System: HW -UMTS-FDD; Frequency: 846.6 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.983 mho/m; εr = 53.4; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
  Sensor-Surface: 4mm (Mechanical Surface Detection)
  Electronics: DAE4 Sn851; Calibrated: 6/30/2010
  Phantom: SAM1; Type: SAM; Serial: TP-1475
  Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.623 mW/g
E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.53 V/m; Power Drift = 0.042 dB
Peak SAR (extrapolated) = 0.890 W/kg
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.368 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.648 mW/g
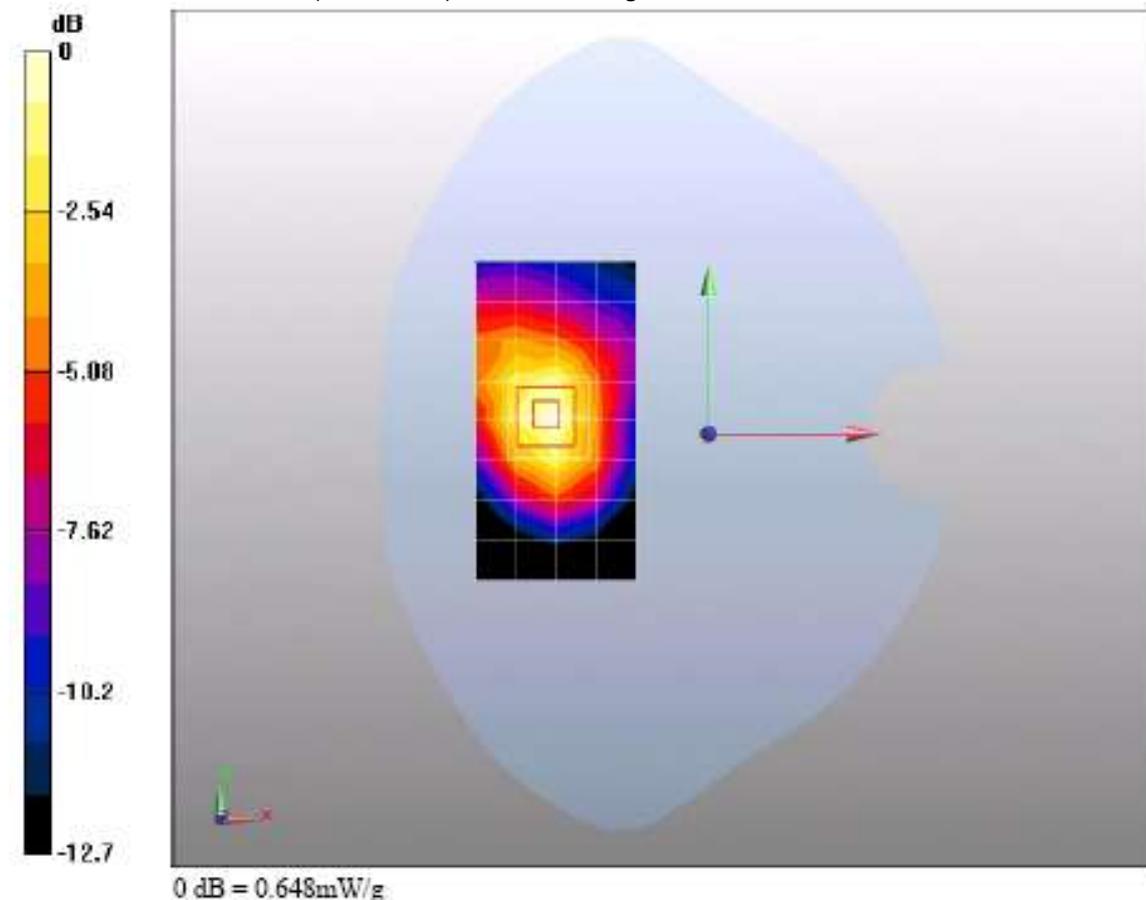
0 dB = 0.648mW/g

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-HSUPA with ThinkPad X301 front side-WCDMA850

DUT: E173s-3

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

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.983 mho/m; $ε_r$ = 53.4; ρ = 1000 kg/m3

Phantom section: Flat Section

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

DASY5 Configuration:

  Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010

  Sensor-Surface: 4mm (Mechanical Surface Detection)

  Electronics: DAE4 Sn851; Calibrated: 6/30/2010

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

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

E173s-3/Body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.365 mW/g

E173s-3/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.06 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.228 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.397 mW/g
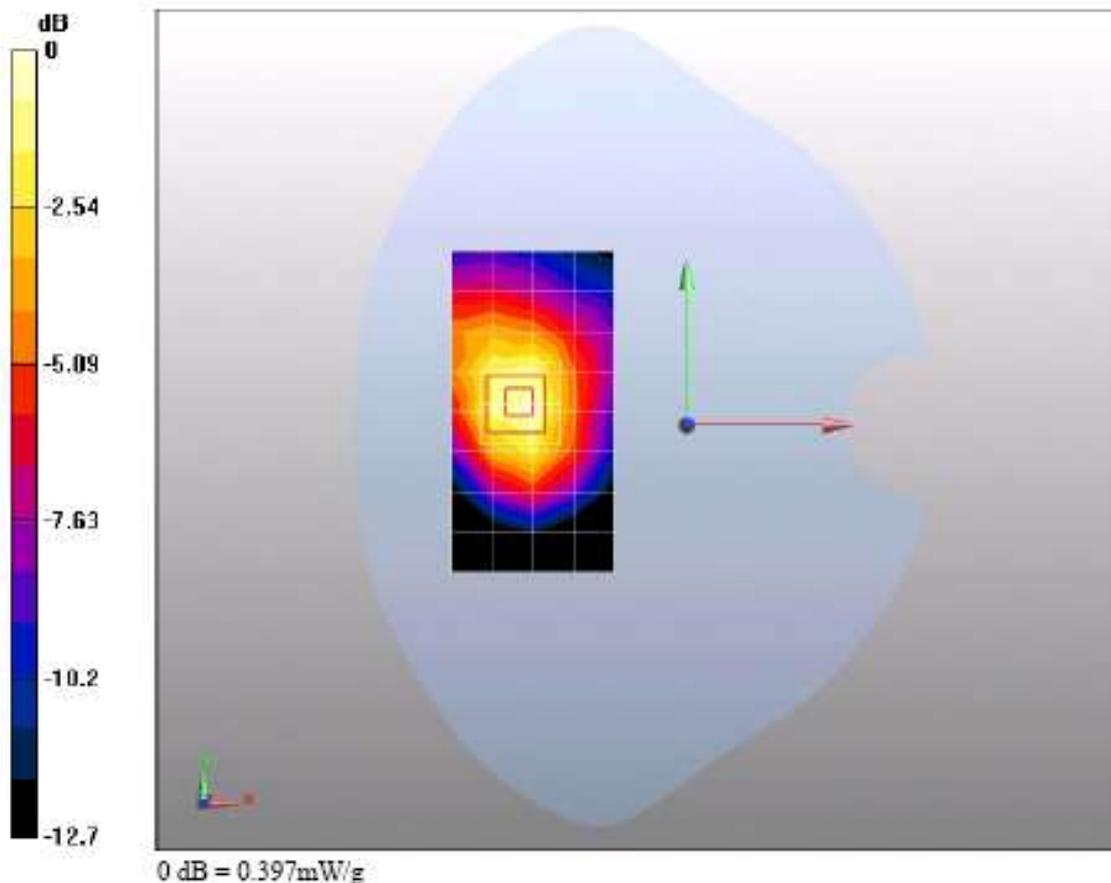
0 dB = 0.397mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

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

Annex 2.4   Z-axis scans
GSM 850
E173s-3 front side (1 timeslots) –GPRS 850 Channel 190

E173s-3 front side (2 timeslots) –GPRS 850 Channel 190
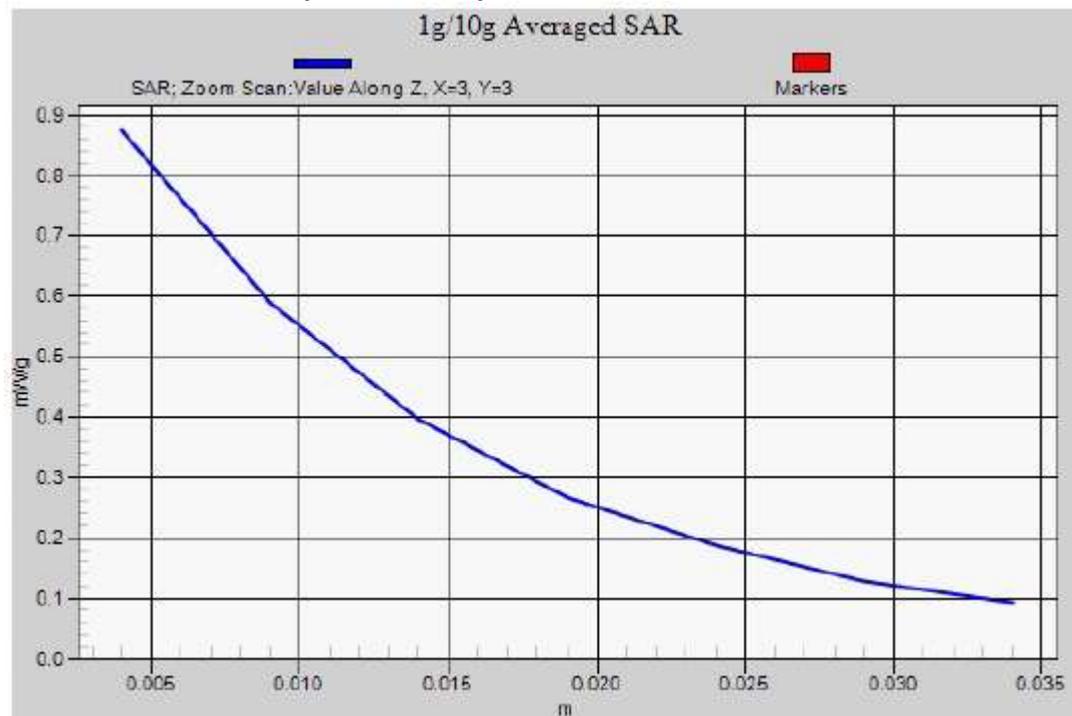
E173s-3 front side (3 timeslots) –GPRS 850 Channel 190
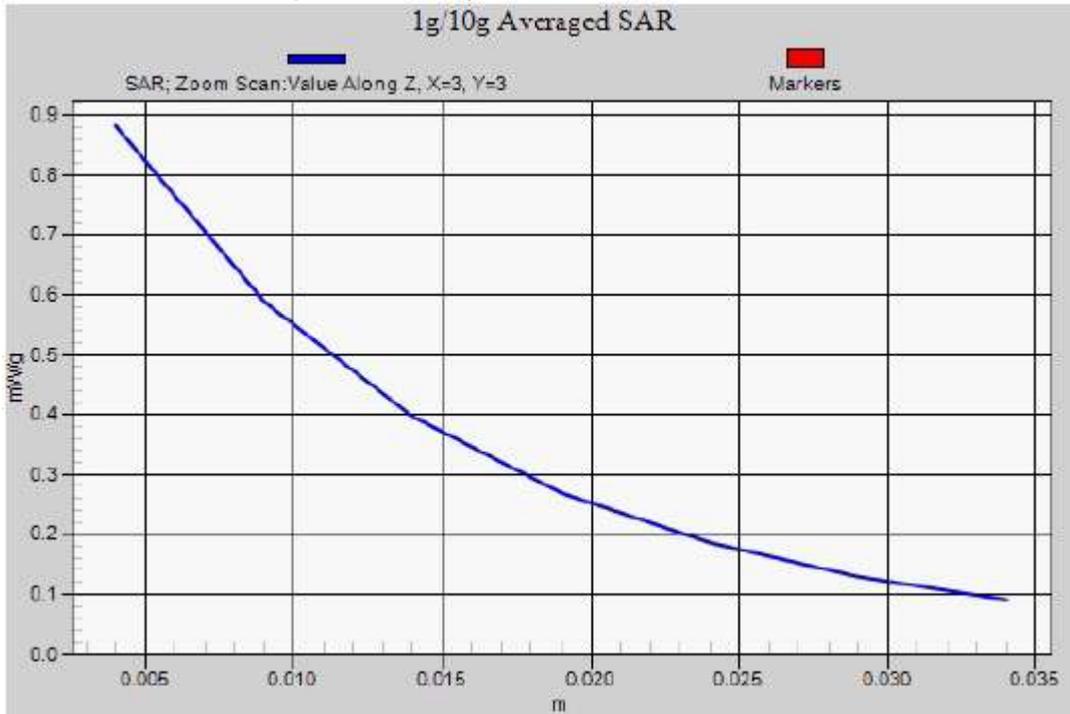
E173s-3 front side (4 timeslots) –GPRS 850 Channel 190
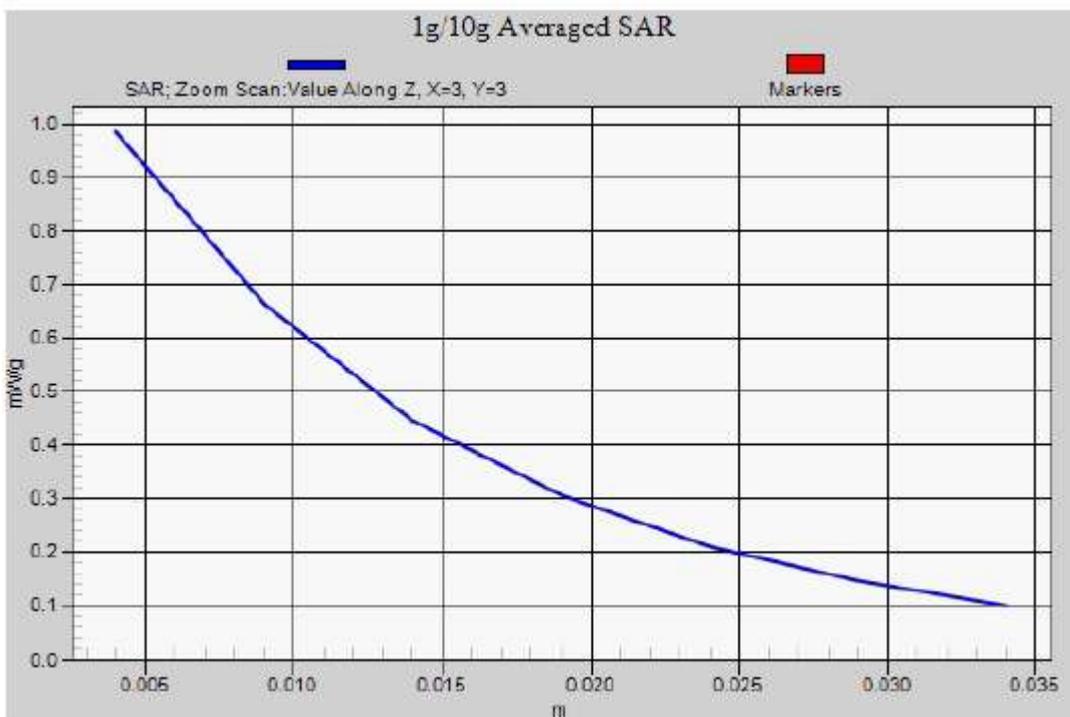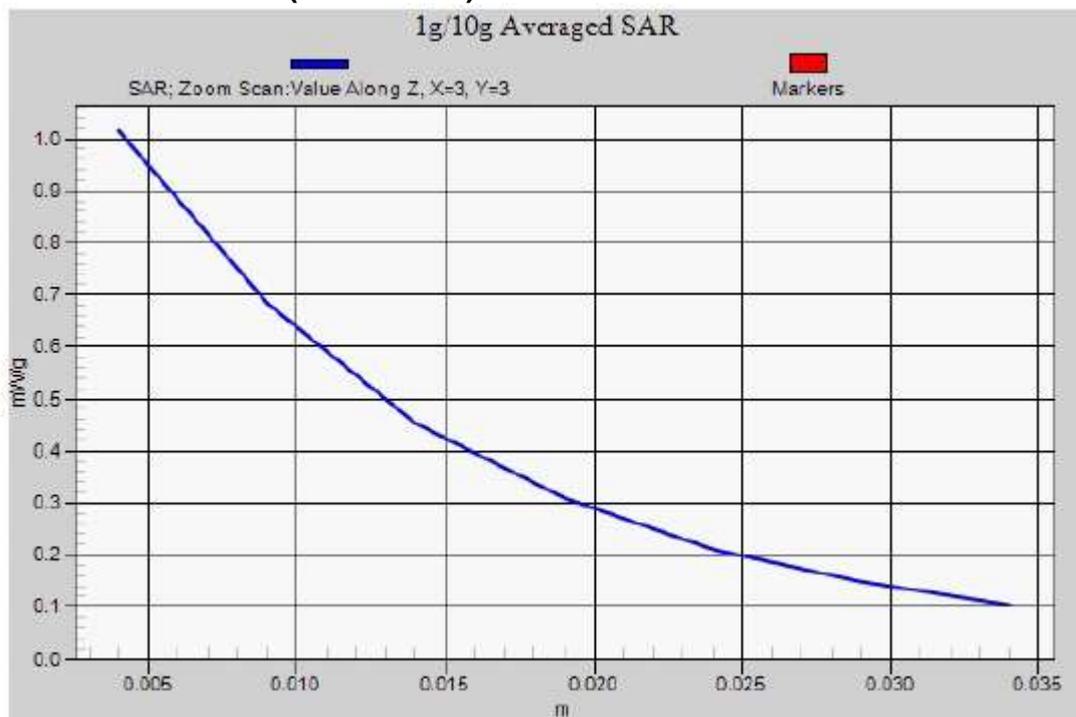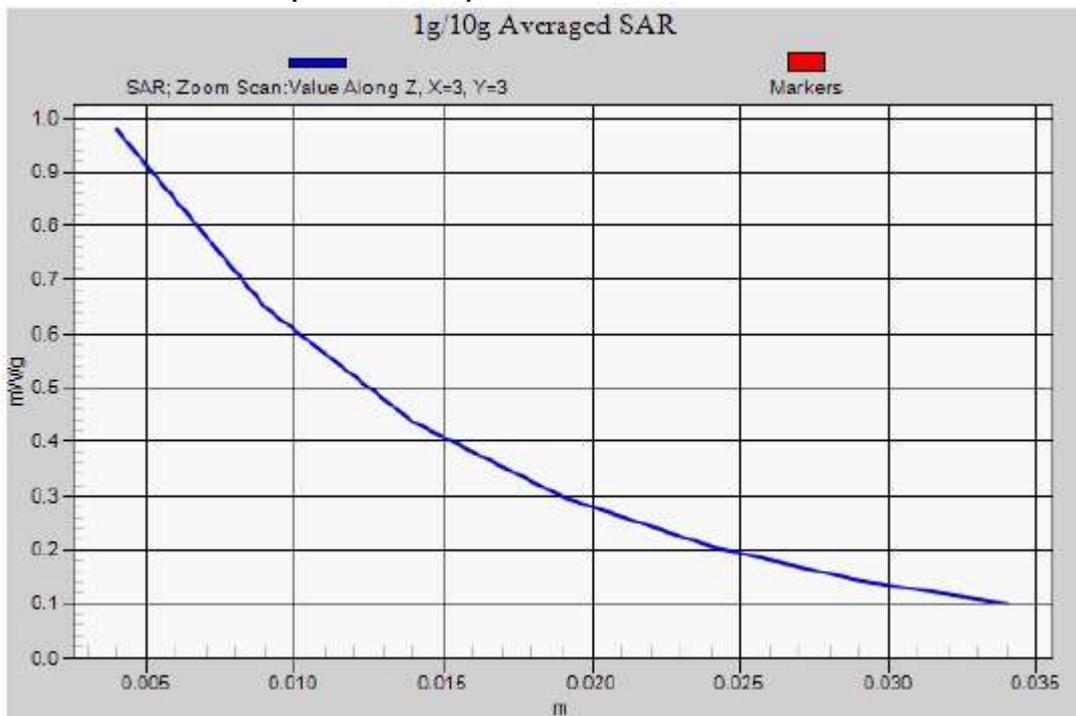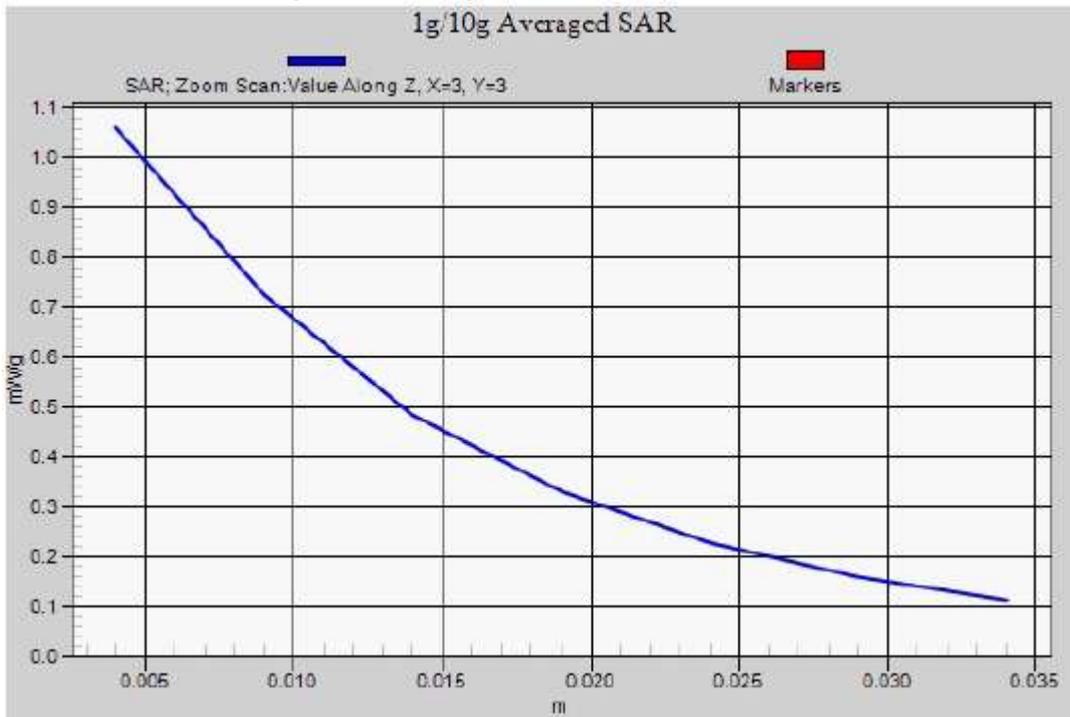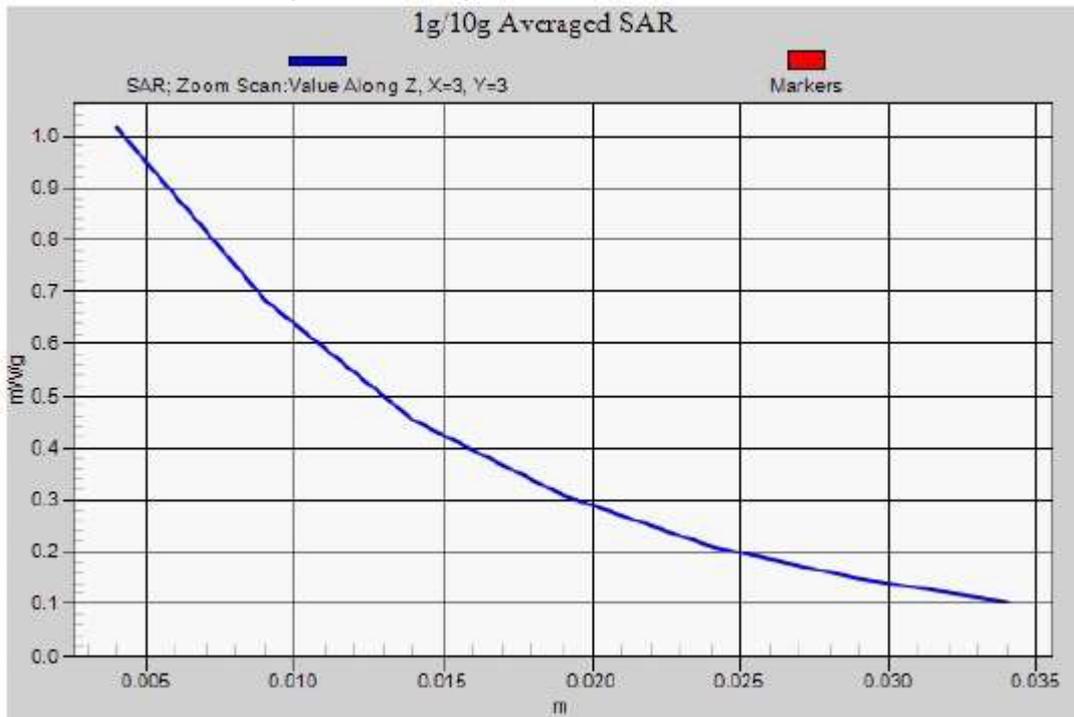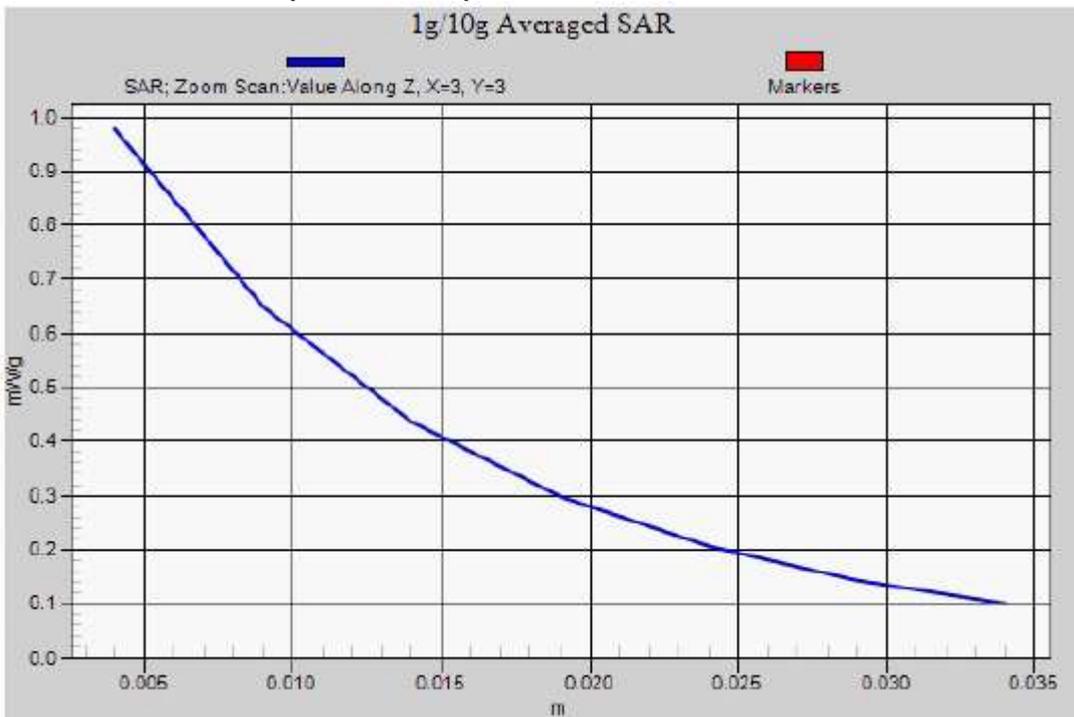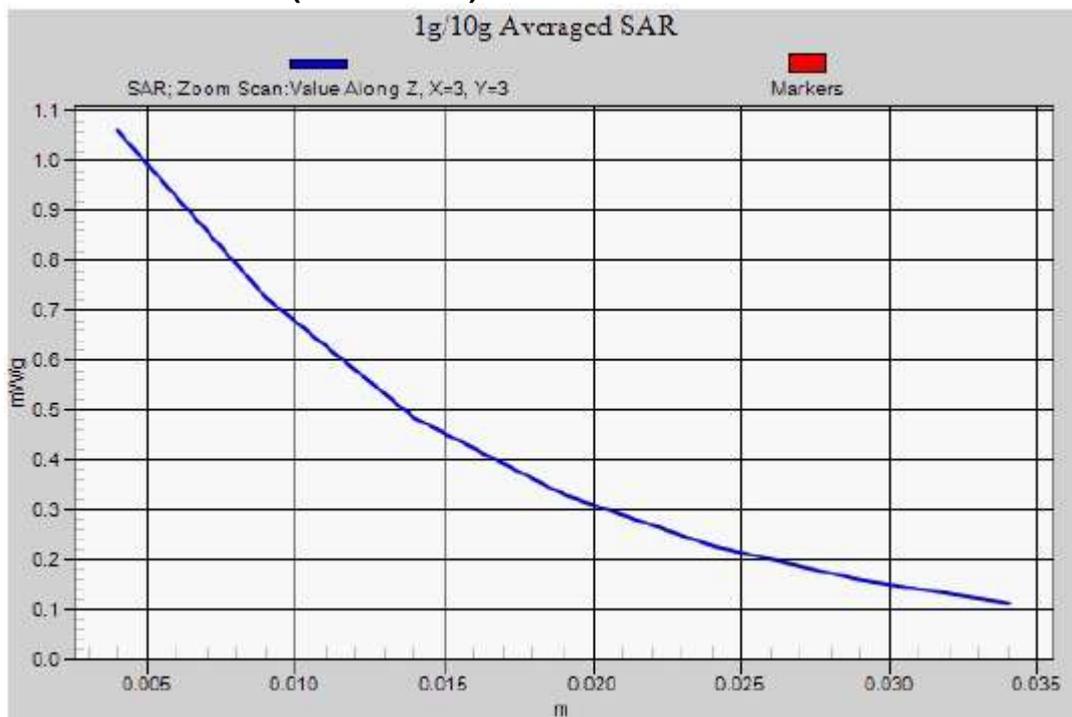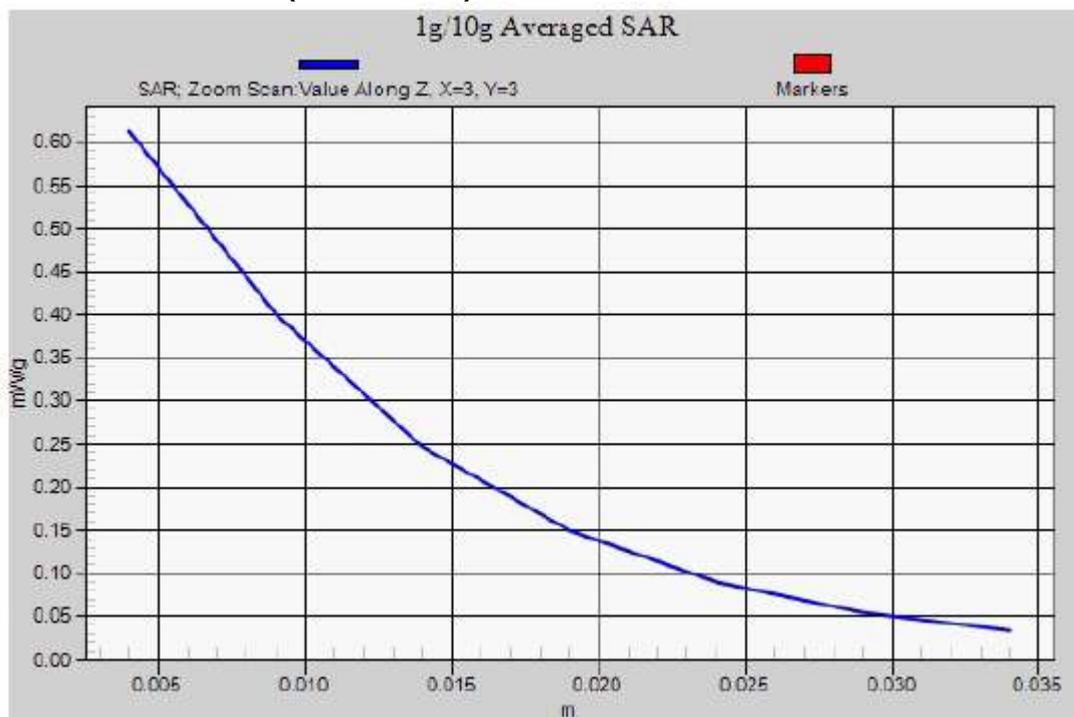
E173s-3 rear side (4 timeslots) –GPRS 850 Channel 190
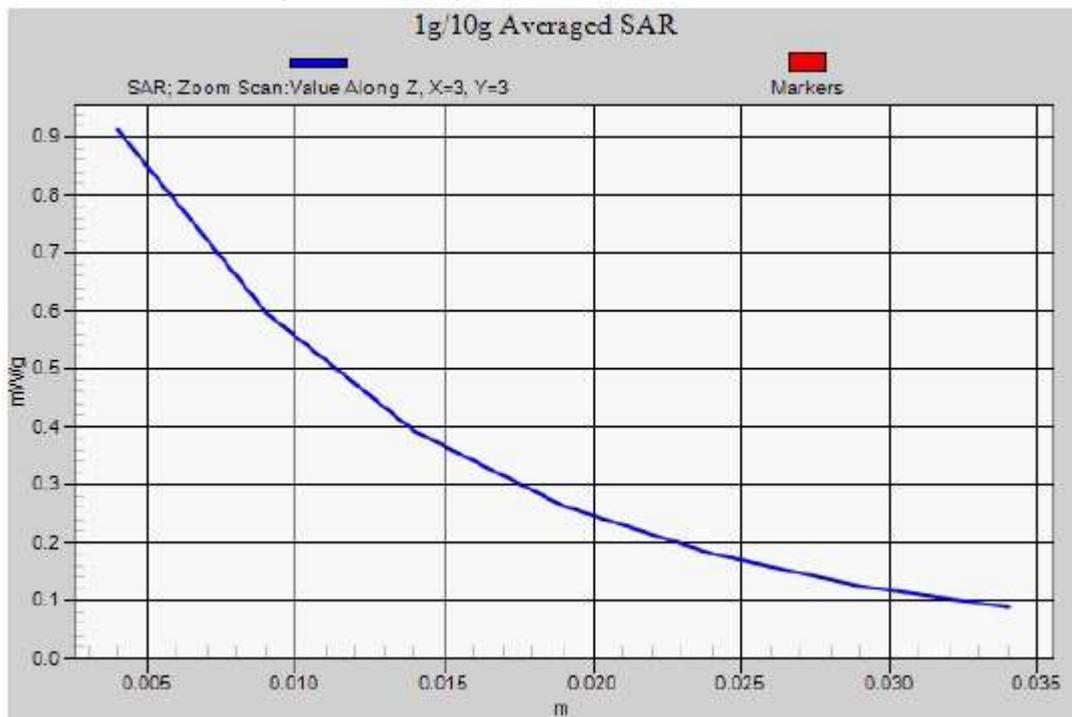
E173s-3 left side (4 timeslots) –GPRS 850 Channel 190
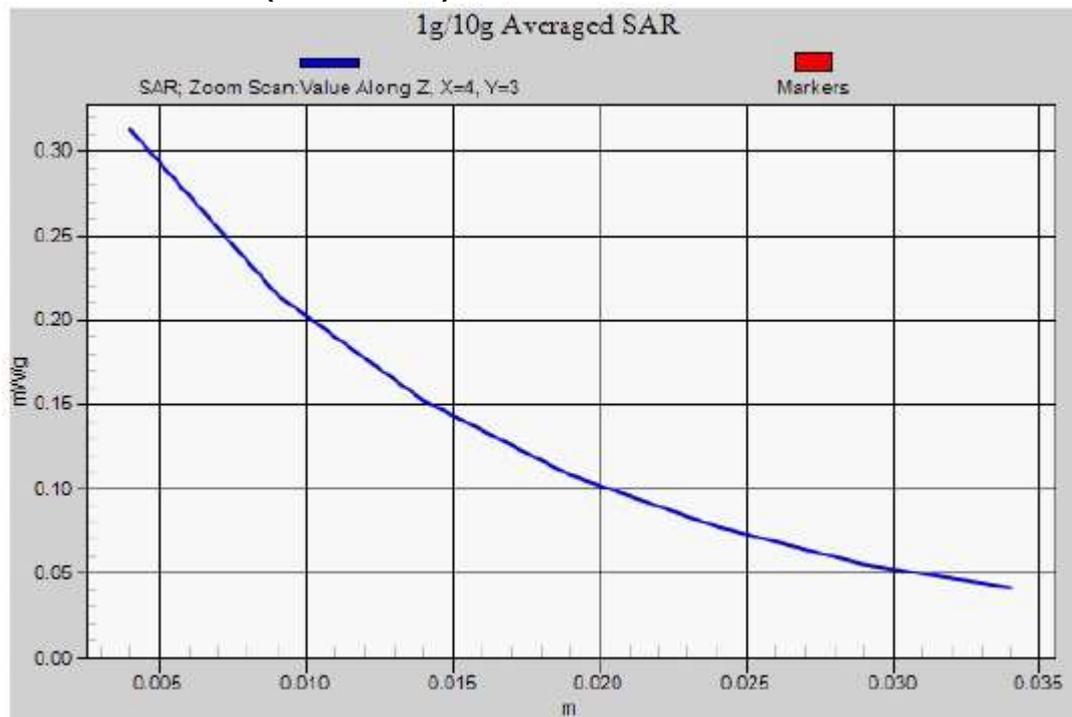
E173s-3 right side (4 timeslots) –GPRS 850 Channel 190
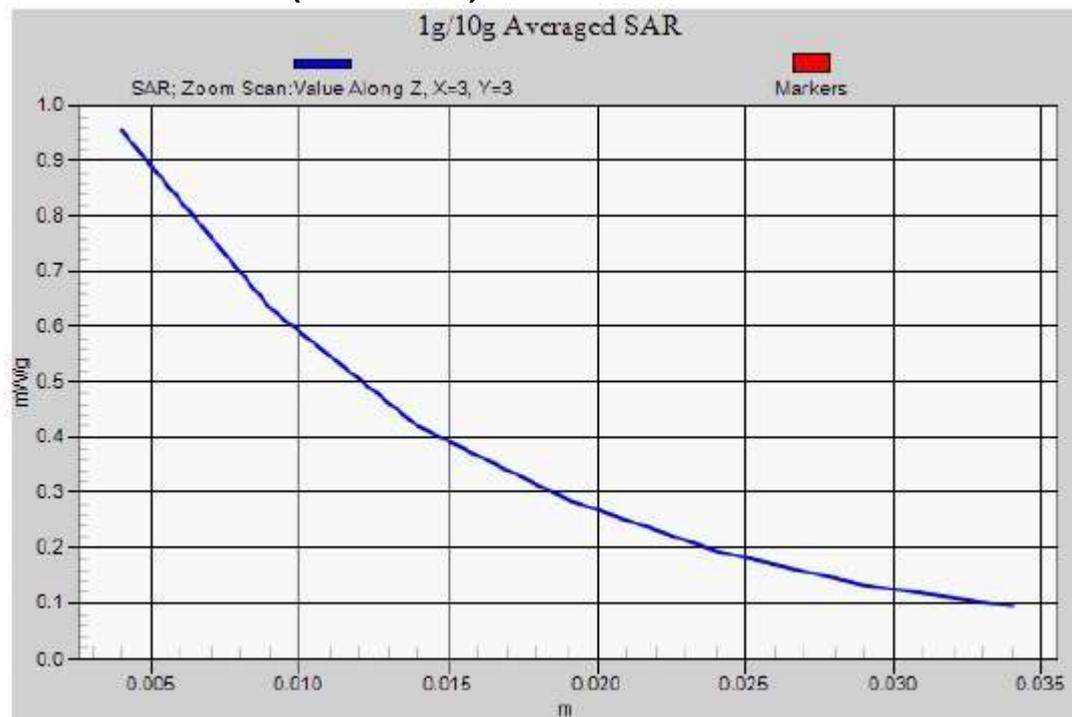
E173s-3 front side (1 timeslots) –GPRS 850 Channel 251

E173s-3 front side (1 timeslots) –GPRS 850 Channel 128
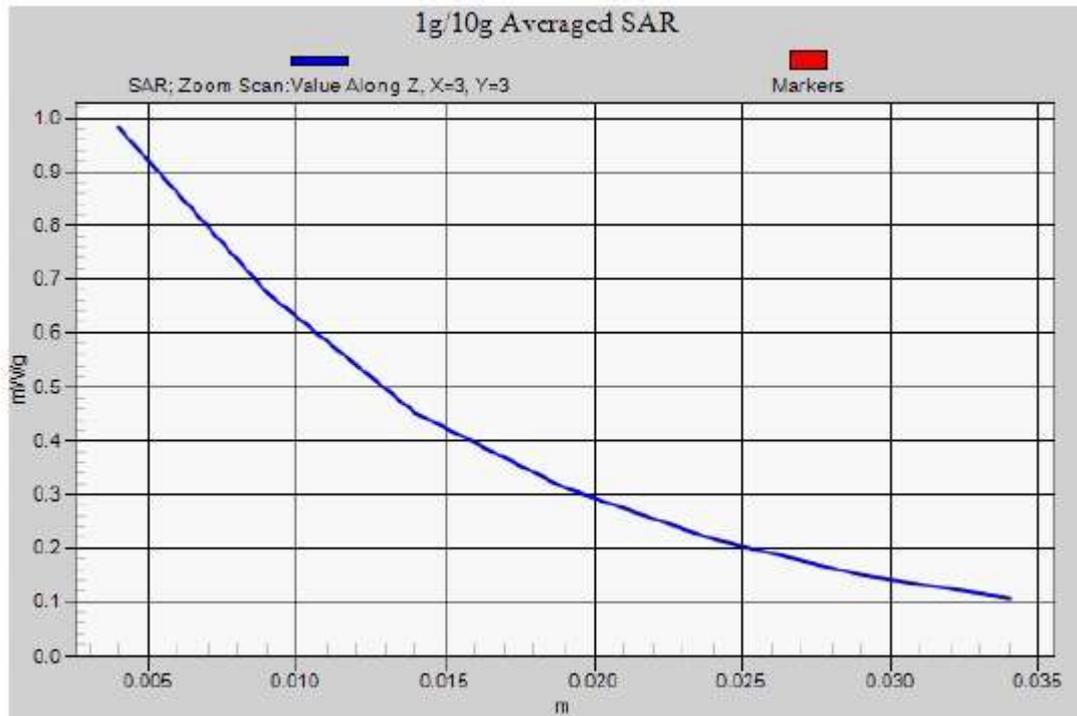
E173s-3 front side (3 timeslots) –GPRS 850 Channel 251
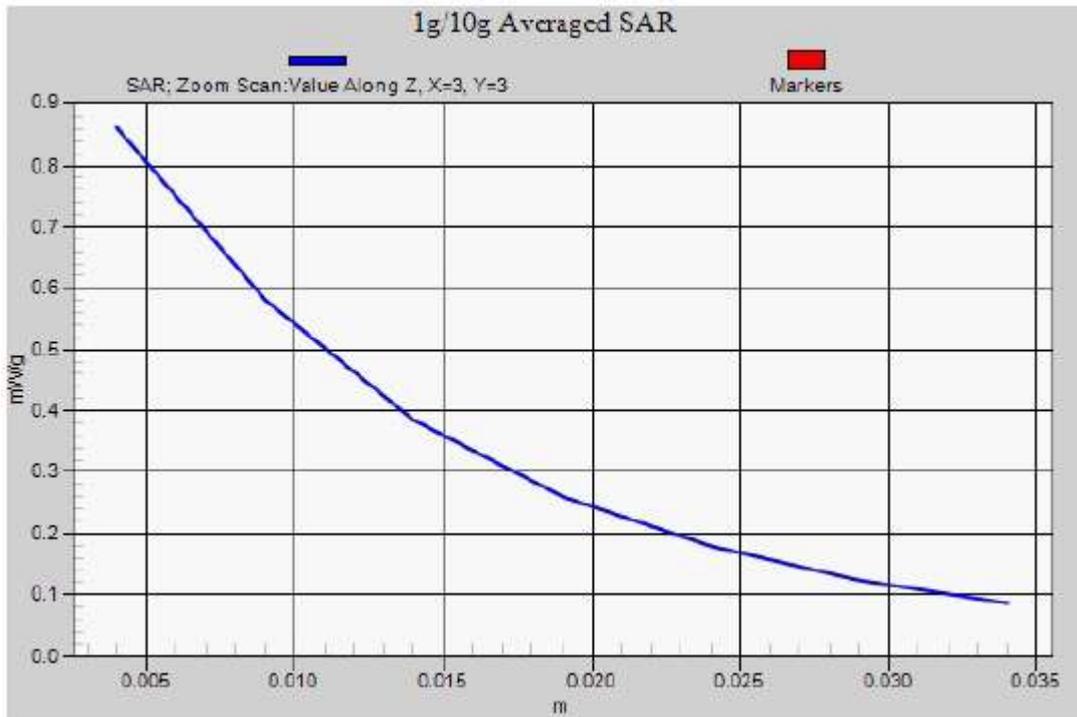
E173s-3 front side (3 timeslots) –GPRS 850 Channel 128
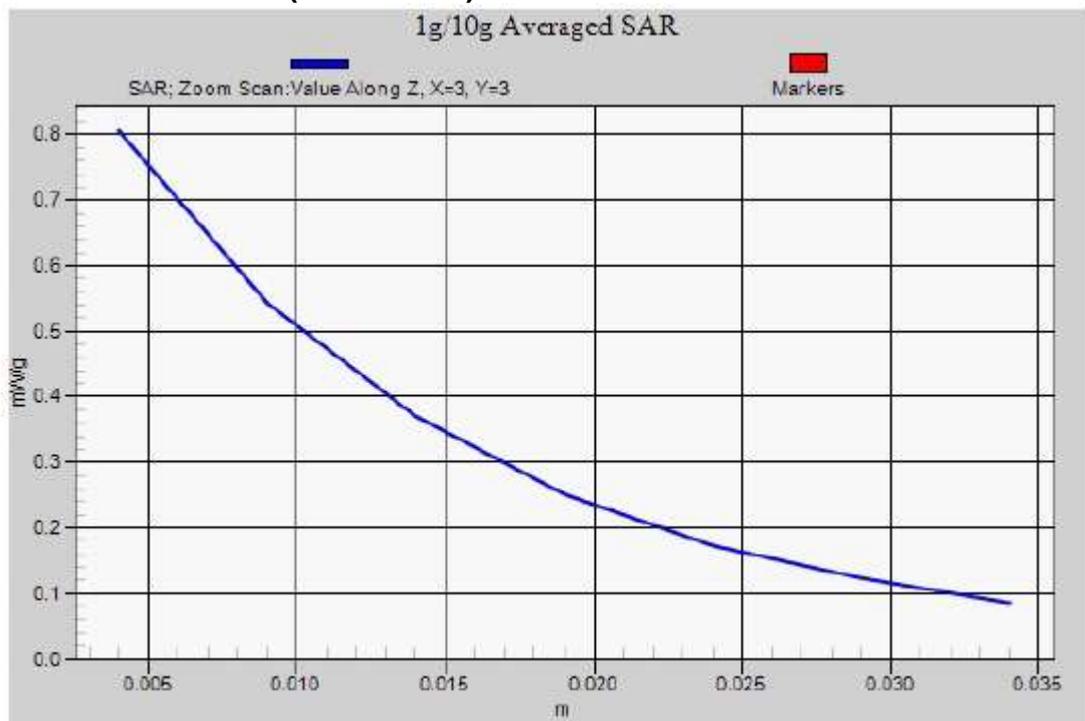
E173s-3 front side (4 timeslots) –GPRS 850 Channel 251
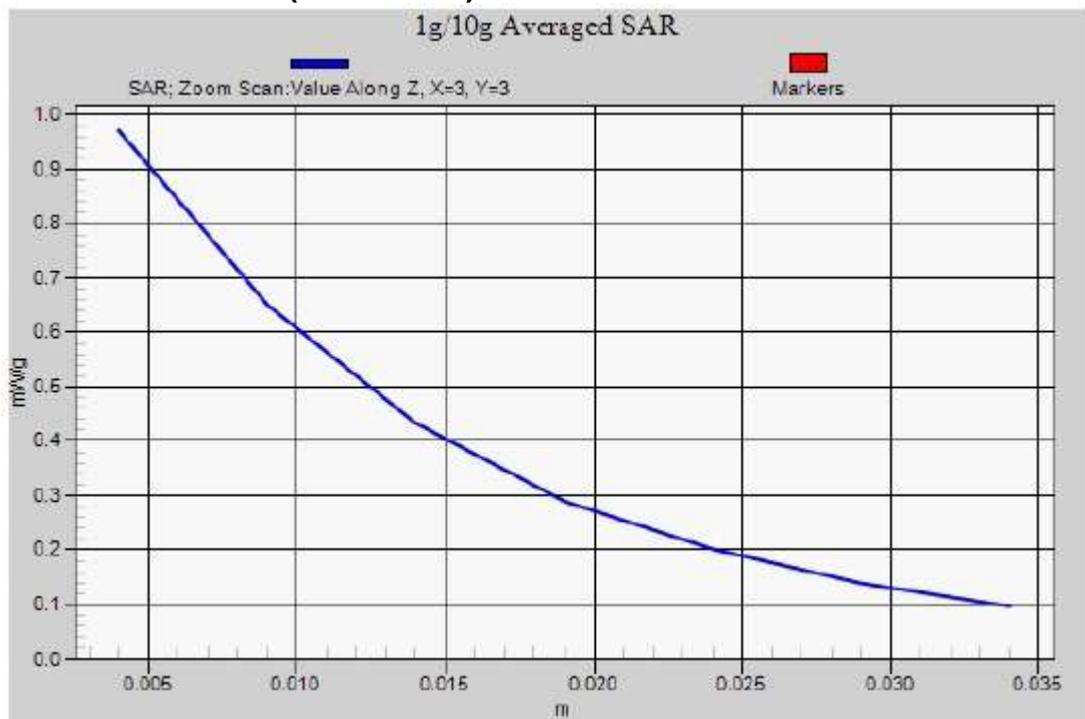
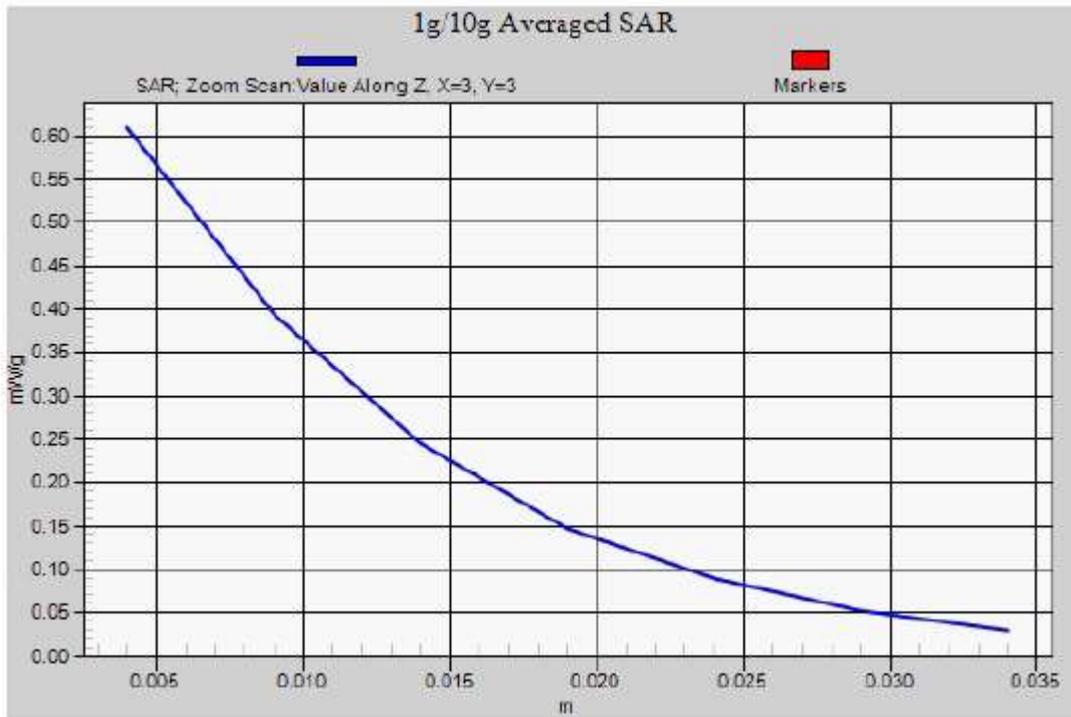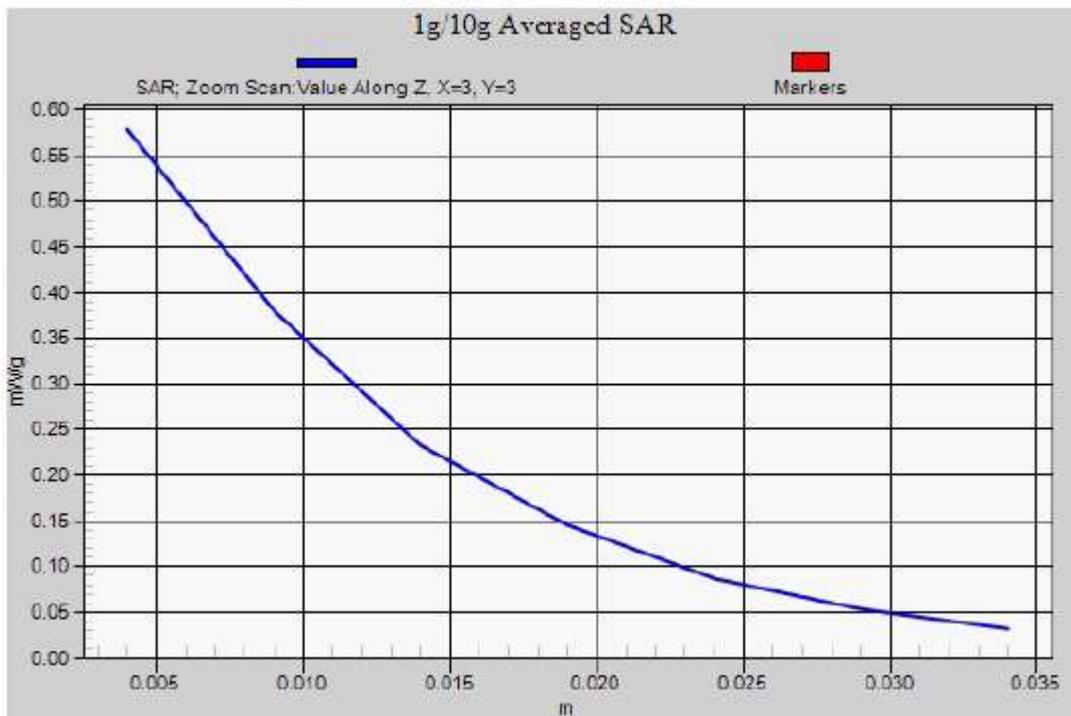**E173s-3 front side (4 timeslots) –GPRS 850 Channel 128**

E173s-3 rear side (4 timeslots) –GPRS 850 Channel 251

E173s-3 rear side (4 timeslots) –GPRS 850 Channel 128

E173s-3 front side (1 timeslots) –EGPRS 850 Channel 190

E173s-3 front side (2 timeslots) –EGPRS 850 Channel 190

**E173s-3 front side (3 timeslots) –EGPRS 850 Channel 190**

E173s-3 front side (4 timeslots) –EGPRS 850 Channel 190

E173s-3 front side (1 timeslots) –EGPRS 850 Channel 251

E173s-3 front side (1 timeslots) –EGPRS 850 Channel 128

E173s-3 front side (2 timeslots) –EGPRS 850 Channel 251

E173s-3 front side (2 timeslots) –EGPRS 850 Channel 128

E173s-3 front side (3 timeslots) –EGPRS 850 Channel 251

E173s-3 front side (3 timeslots) –EGPRS 850 Channel 128

**E173s-3 front side (4 timeslots) –EGPRS 850 Channel 251**

E173s-3 front side (4 timeslots) –EGPRS 850 Channel 128

GSM 1900
E173s-3 front side (1 timeslots) –GPRS 1900 Channel 661

E173s-3 front side (4 timeslots) –EGPRS 850 Channel 128

E173s-3 front side (2 timeslots) –GPRS 1900 Channel 661

E173s-3 front side (3 timeslots) –GPRS 1900 Channel 661

E173s-3 front side (4 timeslots) –GPRS 1900 Channel 661
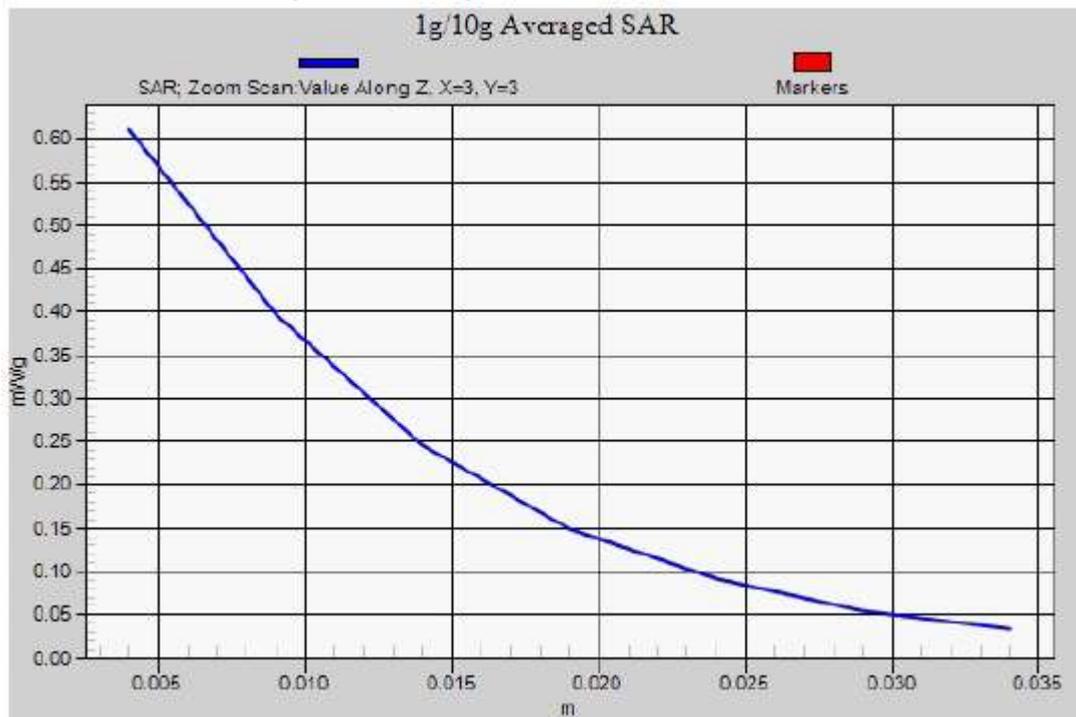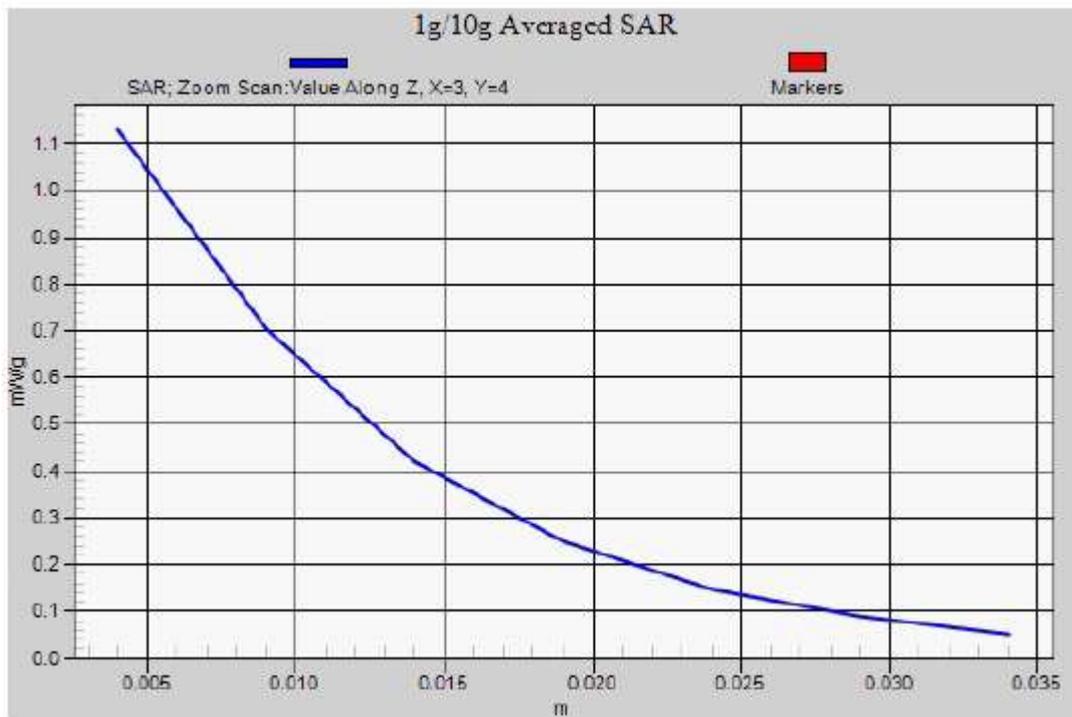

E173s-3 rear side (1 timeslots) –GPRS 1900 Channel 661
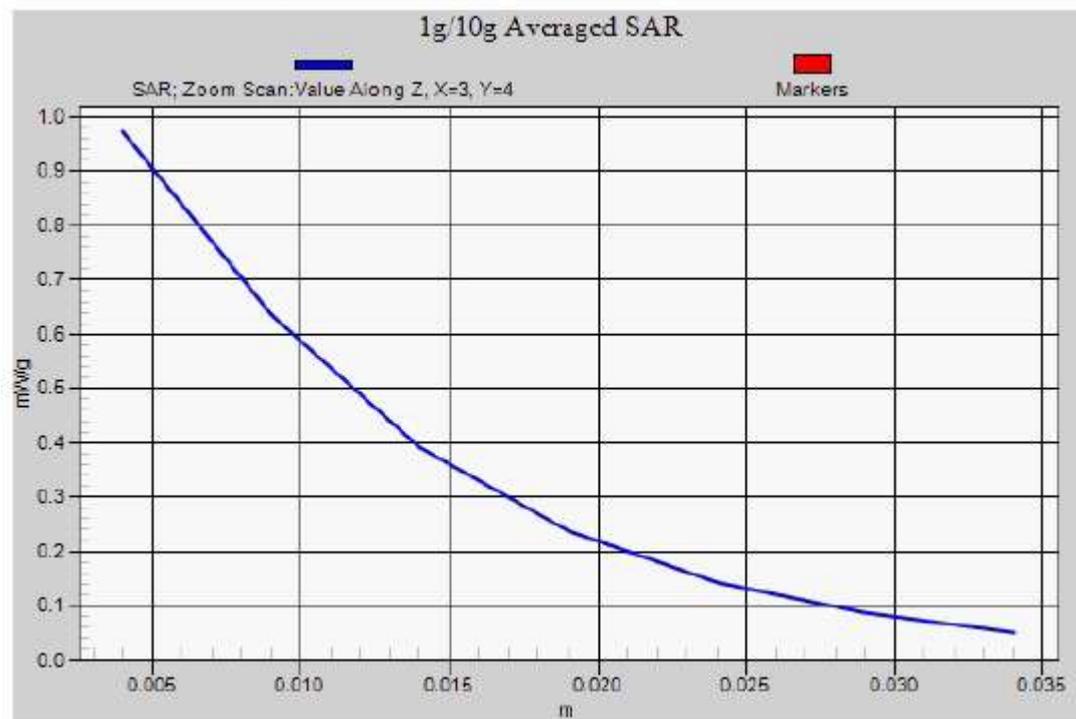
E173s-3 left side (1 timeslots) –GPRS 1900 Channel 661
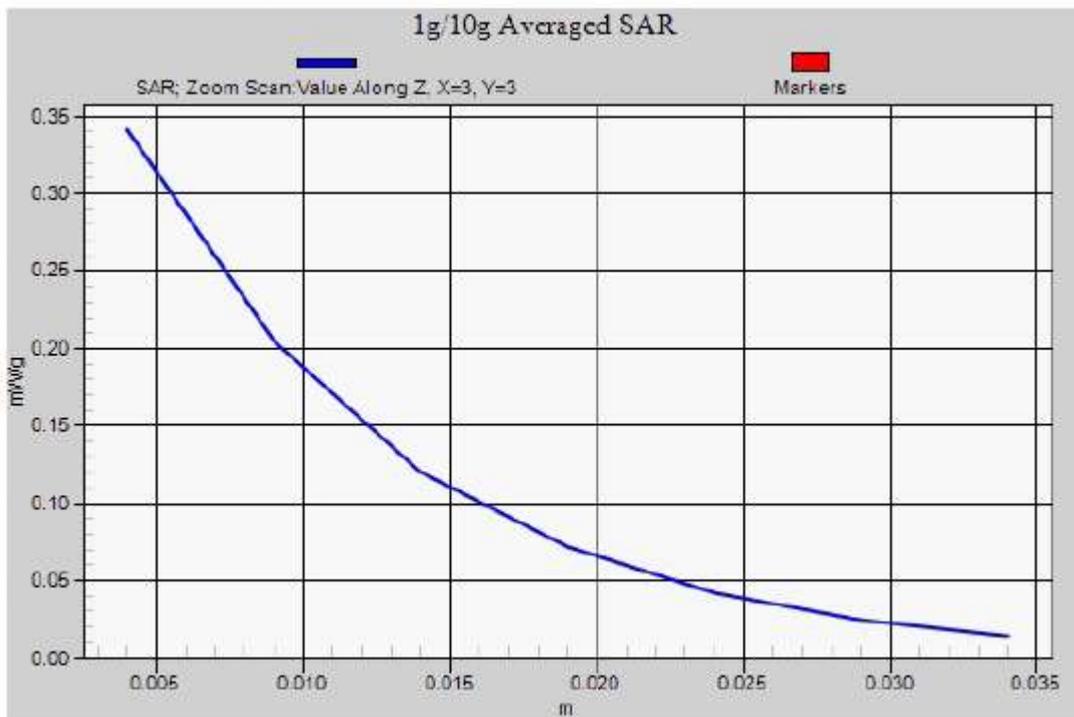
E173s-3 right side (1 timeslots) –GPRS 1900 Channel 661
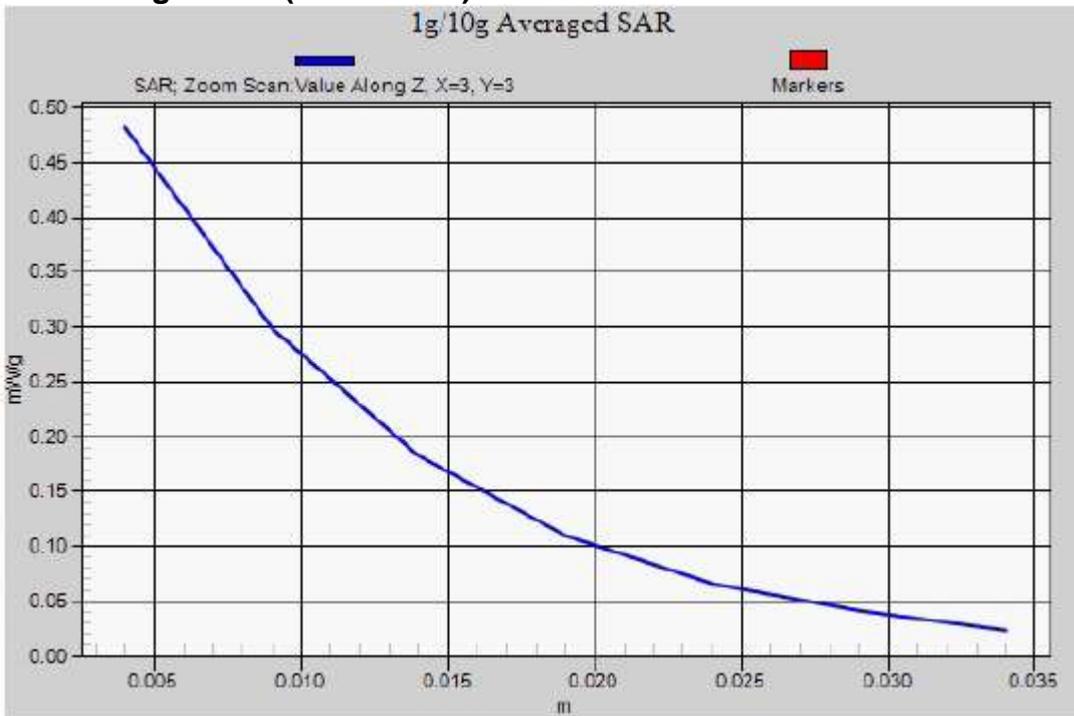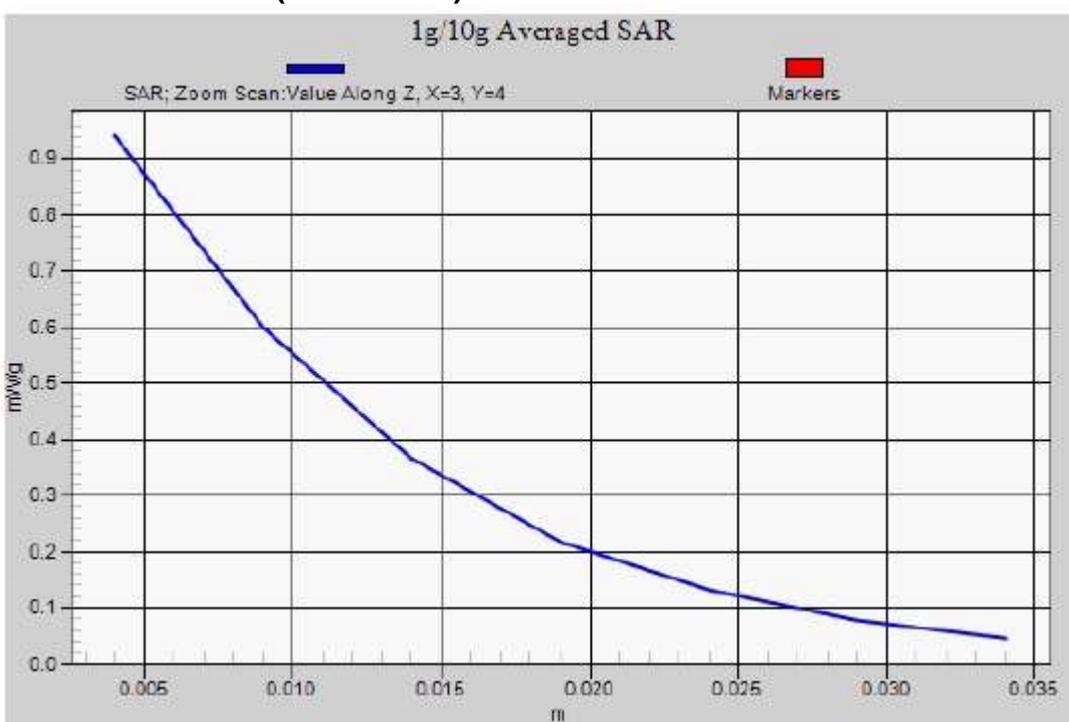
E173s-3 rear side (1 timeslots) –GPRS 1900 Channel 810

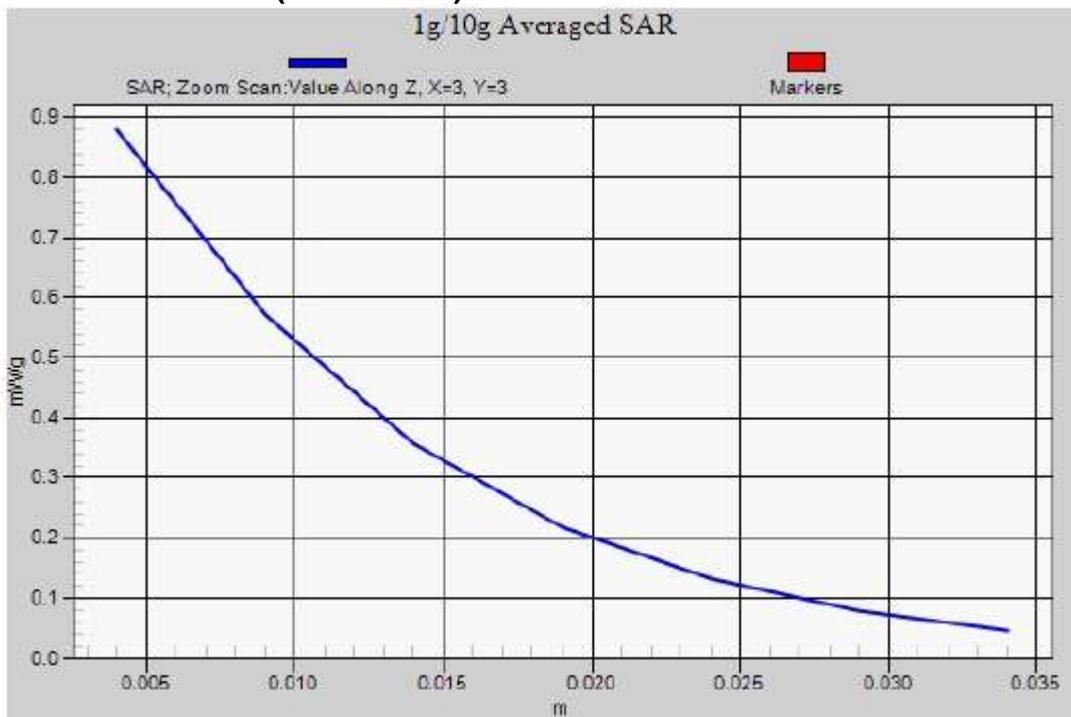**E173s-3 rear side (1 timeslots) –GPRS 1900 Channel 512**

E173s-3 rear side (1 timeslots) –EGPRS 1900 Channel 661

E173s-3 rear side (2 timeslots) –EGPRS 1900 Channel 661

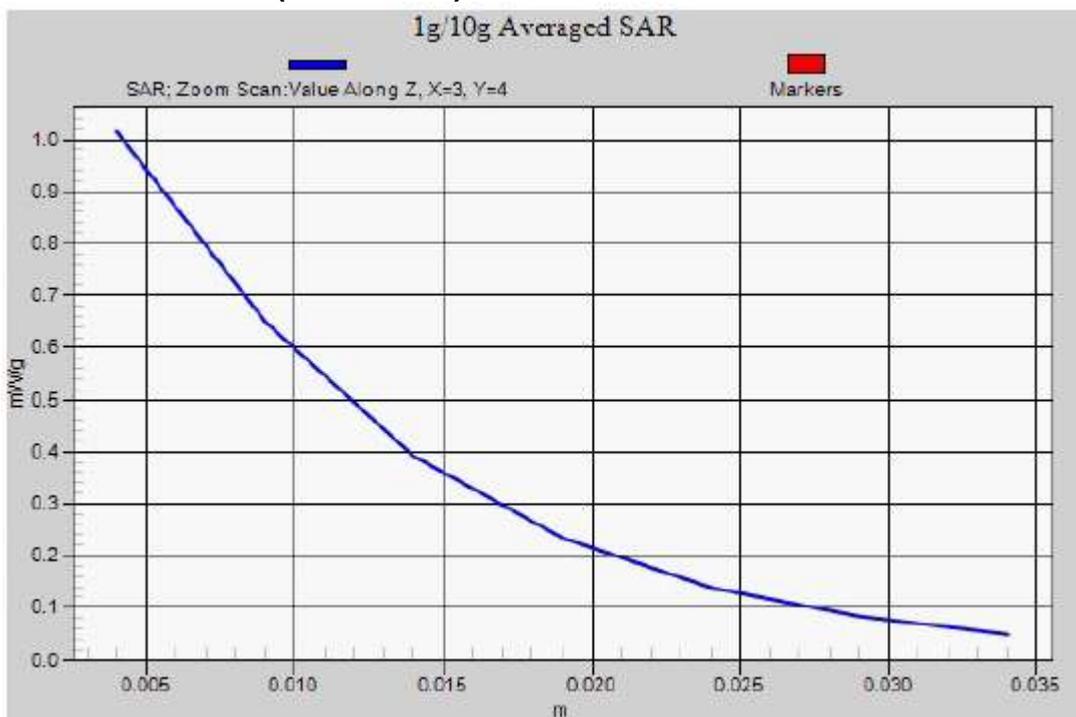**E173s-3 rear side (3 timeslots) –EGPRS 1900 Channel 661**

E173s-3 rear side (4 timeslots) –EGPRS 1900 Channel 661

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E173s-3 rear side (1 timeslots) –EGPRS 1900 Channel 810

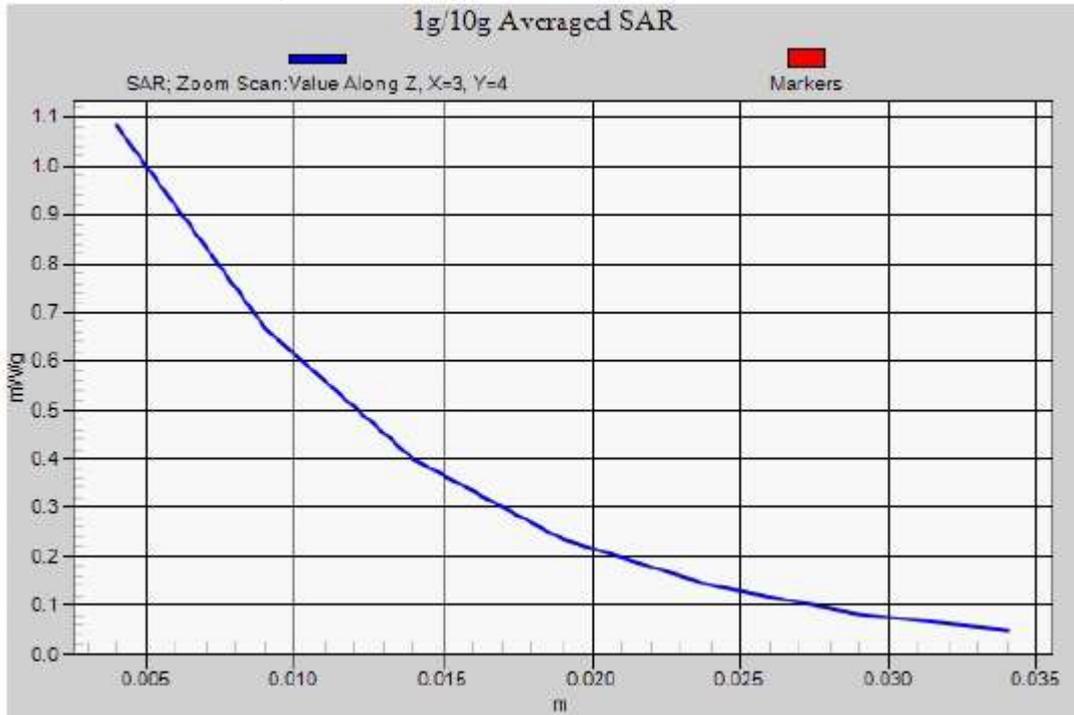**E173s-3 rear side (1 timeslots) –EGPRS 1900 Channel 512**

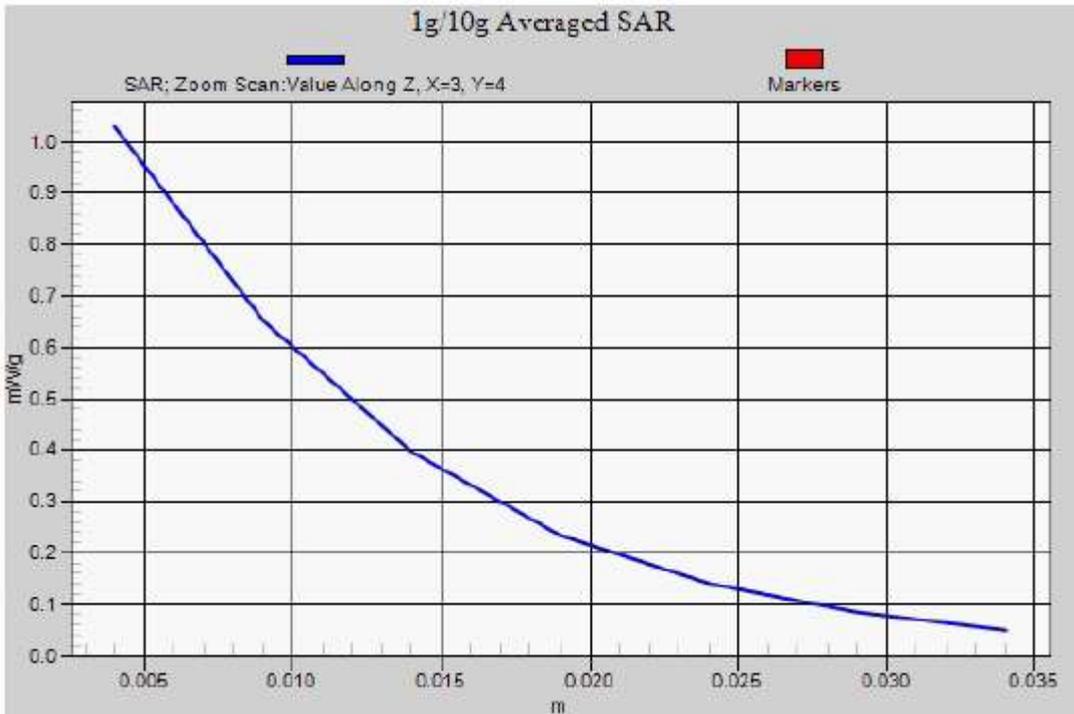**E173s-3 rear side (2 timeslots) –EGPRS 1900 Channel 810**

E173s-3 rear side (2 timeslots) –EGPRS 1900 Channel 512

E173s-3 rear side (4 timeslots) –EGPRS 1900 Channel 810

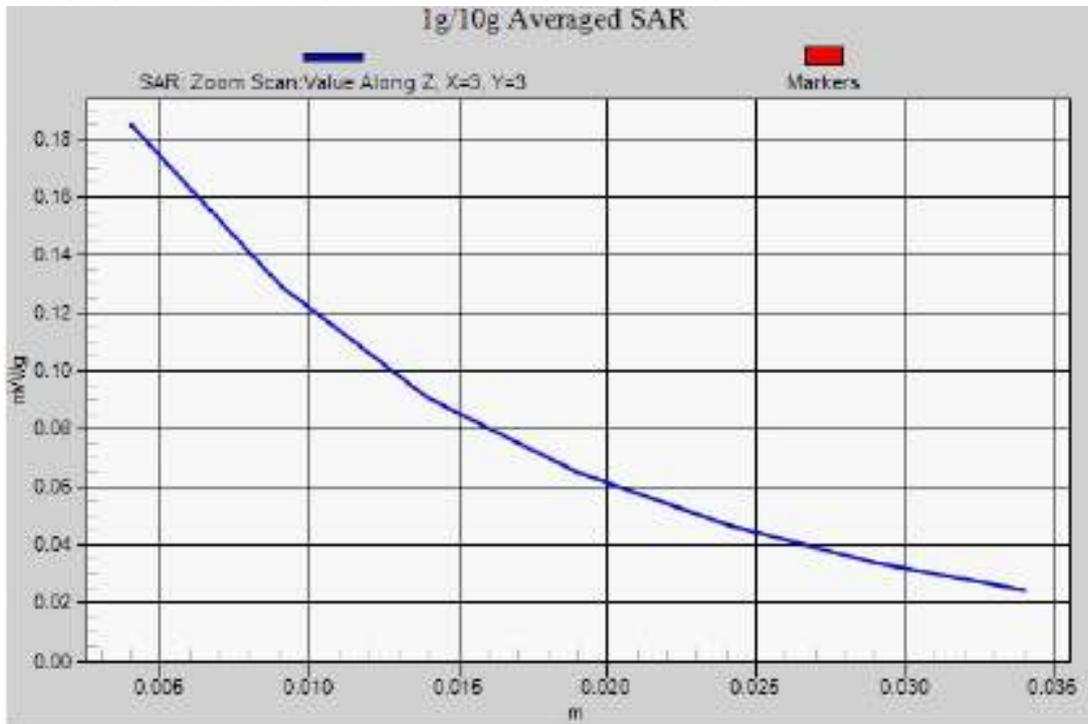

E173s-3 rear side (4 timeslots) –EGPRS 1900 Channel 512

WCDMA Band V
E173s-3 front side –WCDMA Band V Channel 4182

E173s-3 rear side –WCDMA Band V Channel 4182

E173s-3 left side –WCDMA Band II Channel 4182

E173s-3 right side –WCDMA Band II Channel 4182

E173s-3 front side –WCDMA Band V Channel 4233

E173s-3 front side –WCDMA Band V Channel 4132

E173s-3 front side –WCDMA Band V with HSDPA Channel 4233

E173s-3 front side –WCDMA Band V with HSUPA Channel 4233

Annex 3 Calibration parameters

Calibration parameters are described in the additional document:

Appendix to test report no. SYBH(Z-SAR)027122010-2
Calibration data, Phantom certificate
and detail information of the DASY5 System

Annex 4 Photo documentation
Annex 4.1 Test Facility

Photo 1: Measurement System DASY5

Photo 2: Measurement System DASY5

Annex 4.2 Host Laptop Computer And USB Cable

Photo 3: Lenovo ThinkPad T61

Tested with this USB port

Tested with this USB port

Photo 4: Lenovo ThinkPad X301

Tested with this USB port