

P1528_OET65-EGPRS (1 timeslots in uplink) with IBM T61 front side-GSM850

DUT: E1815

Communication System: GSM 850; Frequency: 837 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 837$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.870 mW/g

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

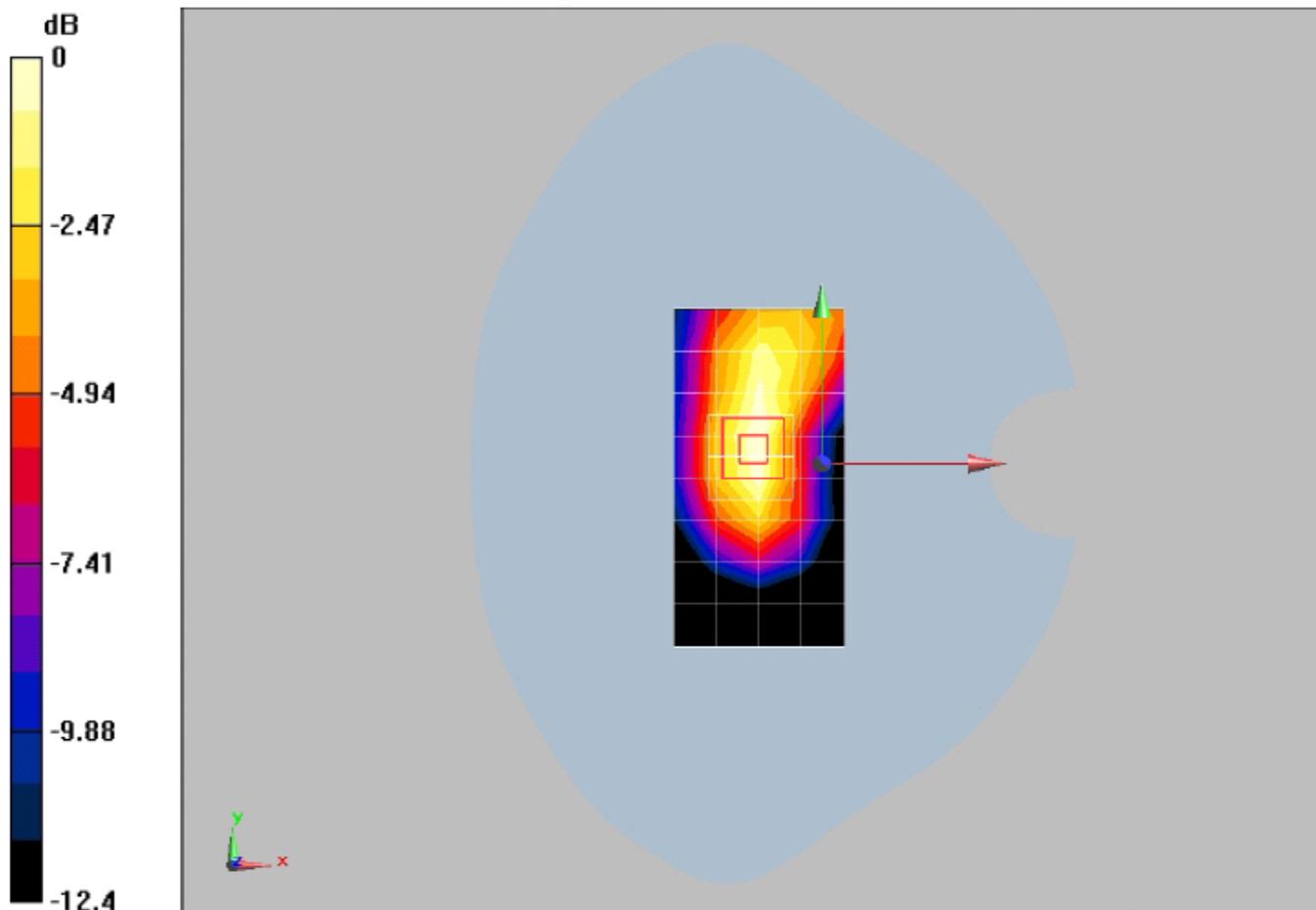
Reference Value = 27 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.471 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.863 mW/g



0 dB = 0.863mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

P1528_OET65-EGPRS (1 timeslots in uplink) with IBM T61 front side-GSM850

DUT: E1815

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 825$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Maximum value of SAR (measured) = 0.750 mW/g

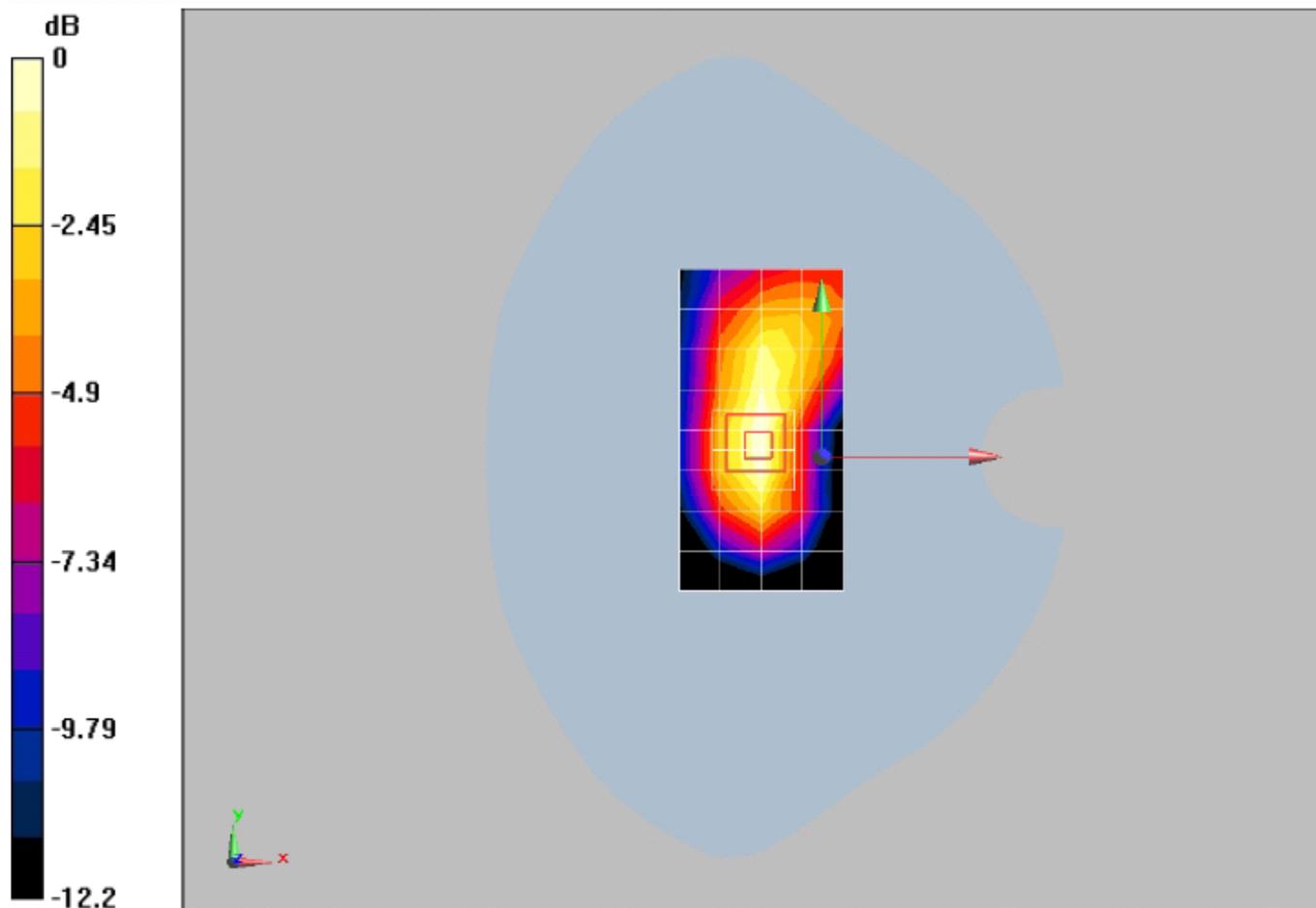
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.3 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.412 mW/g

Maximum value of SAR (measured) = 0.753 mW/g



0 dB = 0.753mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

Annex 2.3 WCDMA 1900MHz body

Date/Time: 2010-07-08 22:44:21

P1528_OET65-WCDMA with IBM T61 front side-WCDMA1900

DUT: E1815

Communication System: WCDMA1900; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Maximum value of SAR (measured) = 1.37 mW/g

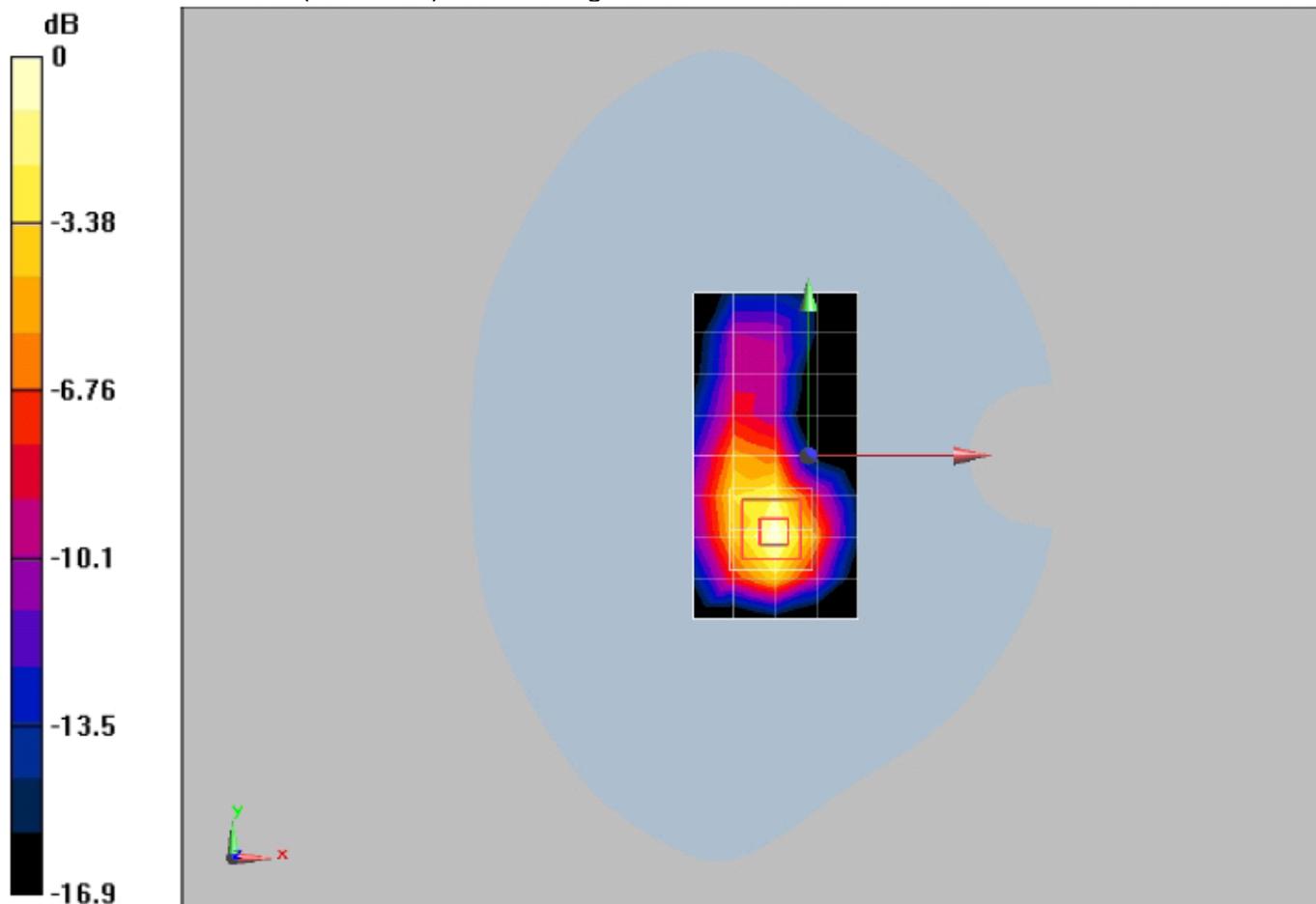
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.1 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.672 mW/g

Maximum value of SAR (measured) = 1.39 mW/g



0 dB = 1.39mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-WCDMA with IBM X301 rear side-WCDMA1900

DUT: E1815

Communication System: WCDMA1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

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

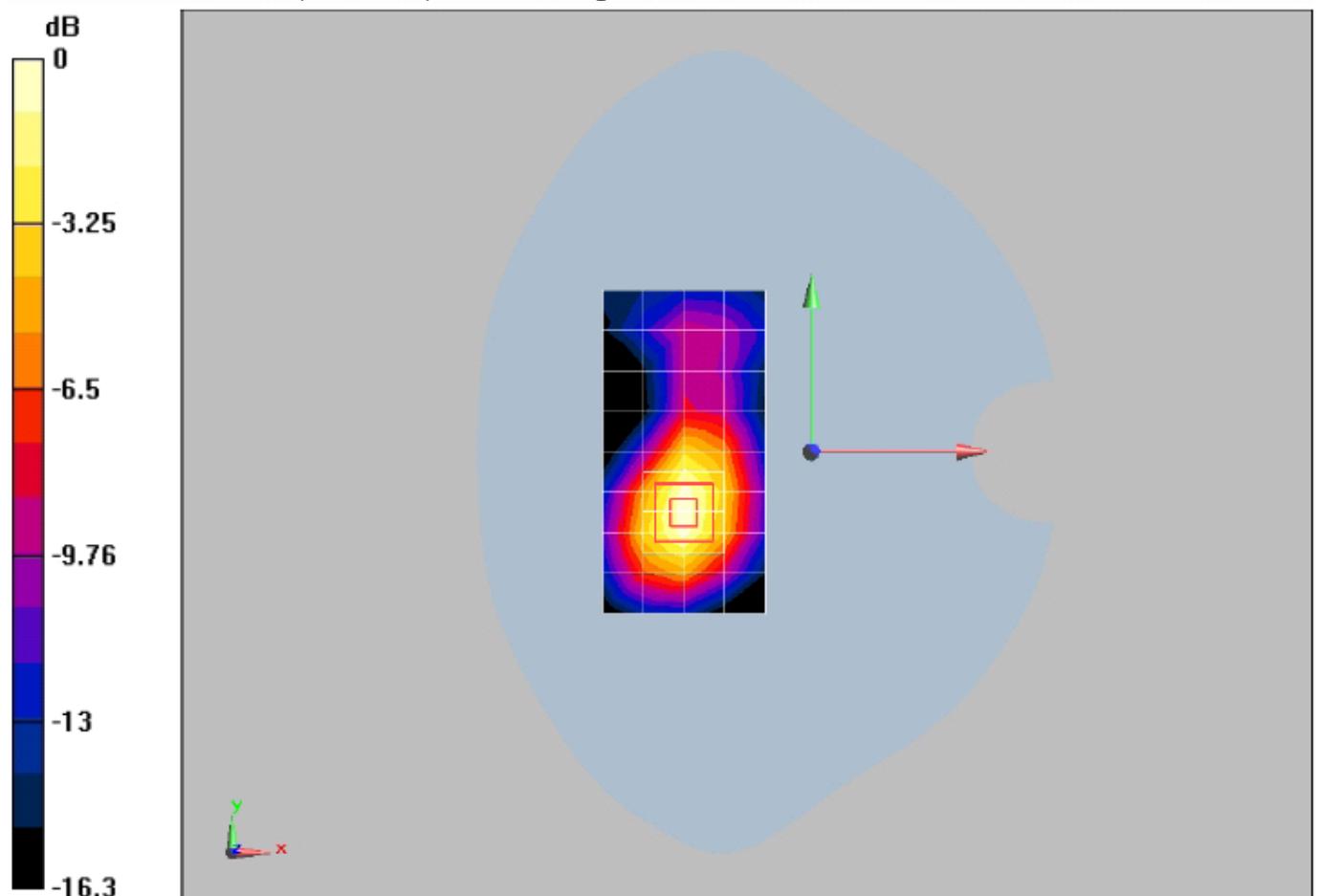
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.89 V/m; Power Drift = 0.180 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.873 mW/g; SAR(10 g) = 0.503 mW/g

Maximum value of SAR (measured) = 0.969 mW/g



0 dB = 0.969mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-WCDMA with IBM T61 left side-WCDMA1900**DUT: E1815**

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.765 mW/g

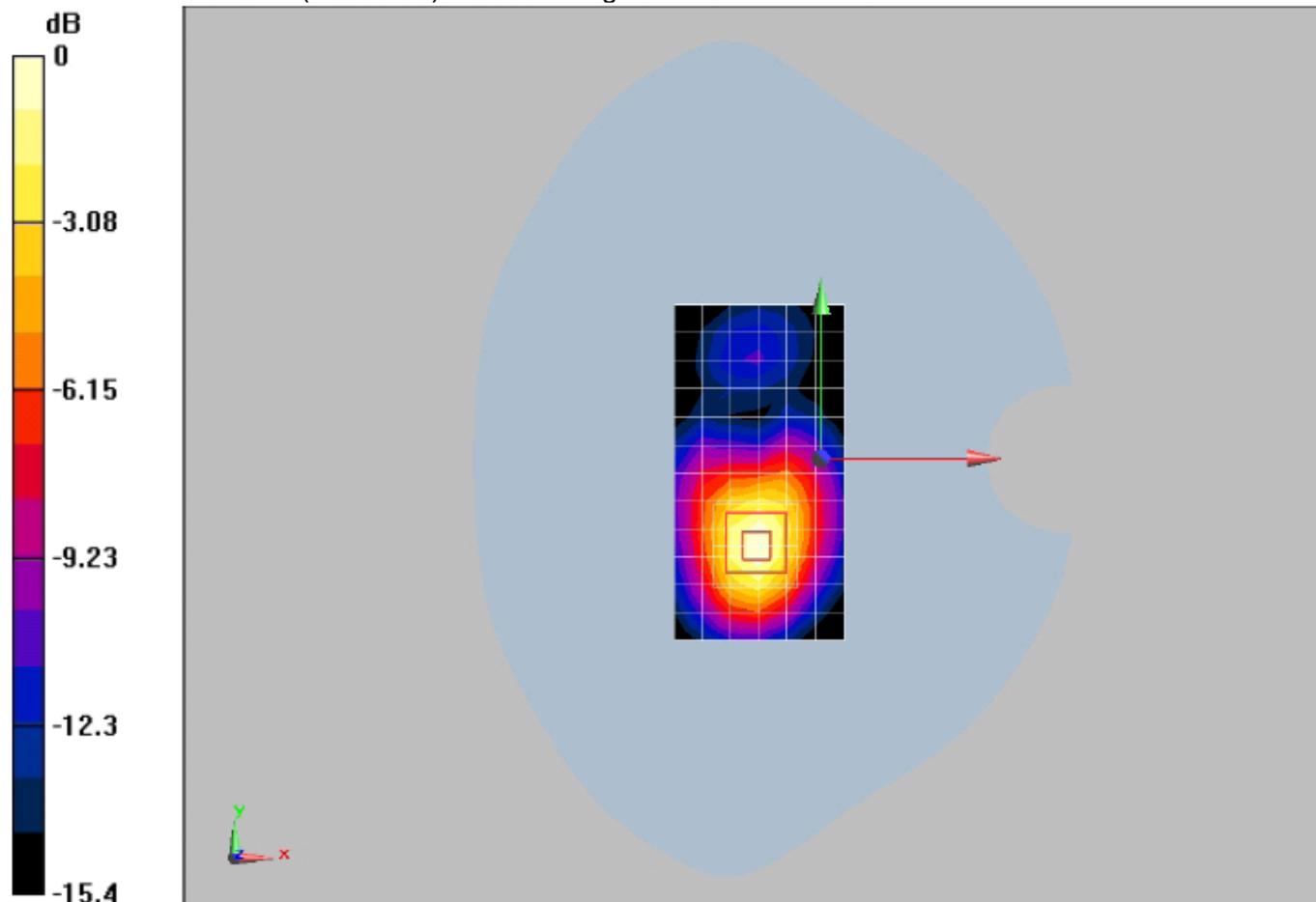
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.83 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.394 mW/g

Maximum value of SAR (measured) = 0.809 mW/g



0 dB = 0.809mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-WCDMA with IBM T61 right side-WCDMA1900**DUT: E1815**

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.747 mW/g

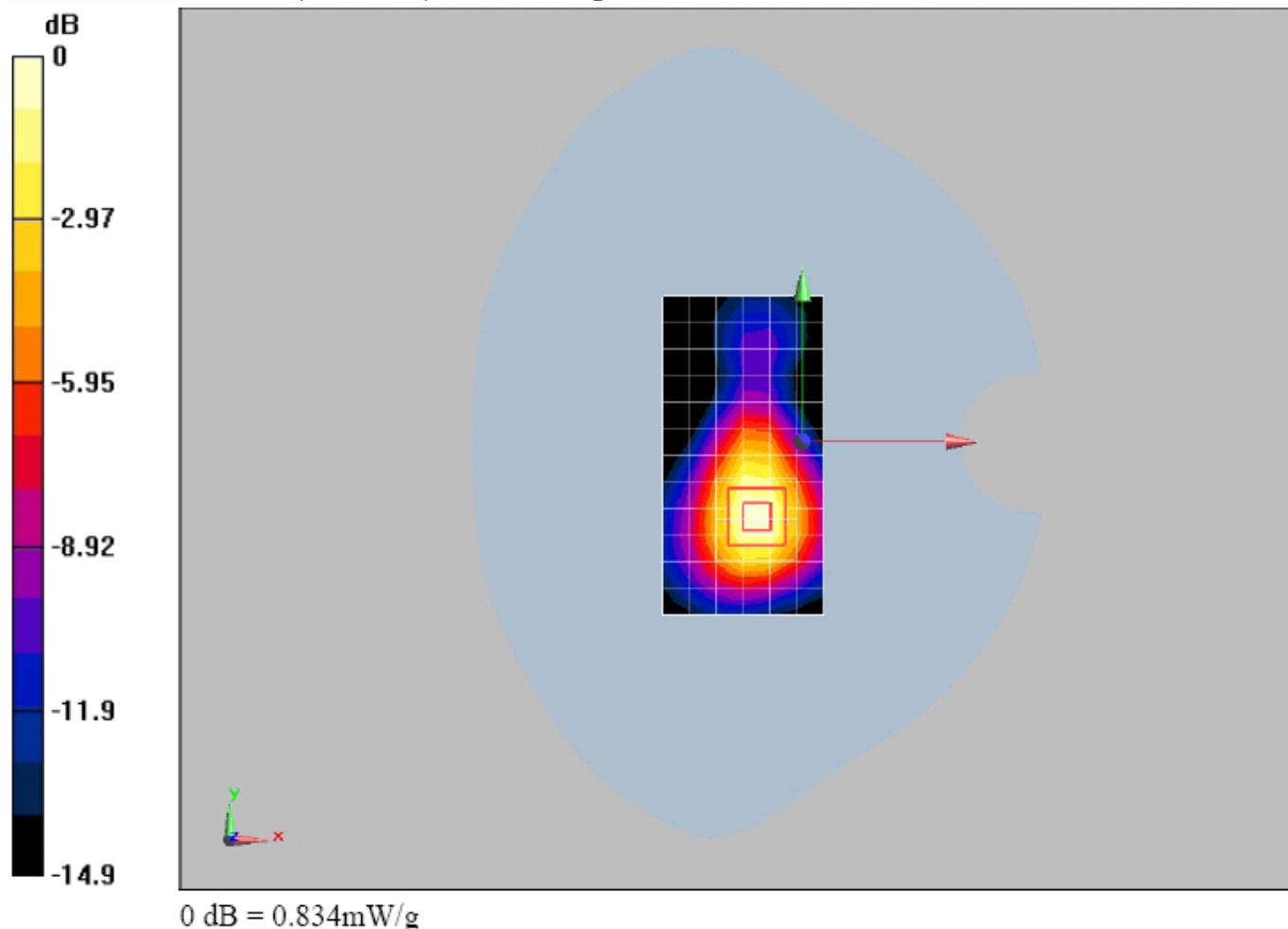
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15 V/m; Power Drift = 0.192 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.427 mW/g

Maximum value of SAR (measured) = 0.834 mW/g

**Additional information:**

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-WCDMA with IBM T61 back side-WCDMA1900

DUT: E1815

Communication System: WCDMA1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

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

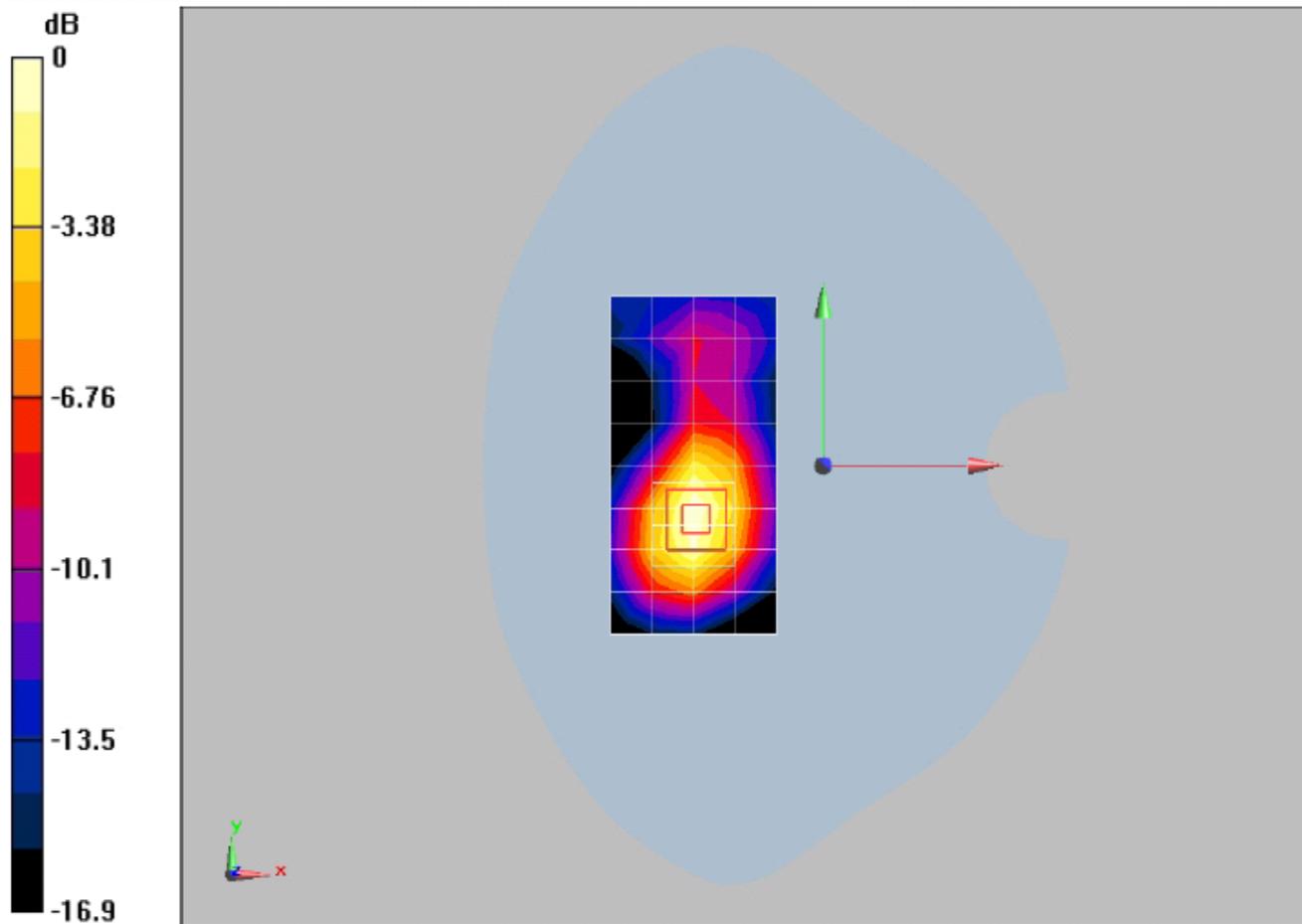
Reference Value = 6.28 V/m; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.545 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.05 mW/g



0 dB = 1.05mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-WCDMA with IBM T61 back side-WCDMA1900**DUT: E1815**

Communication System: WCDMA1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.866 mW/g

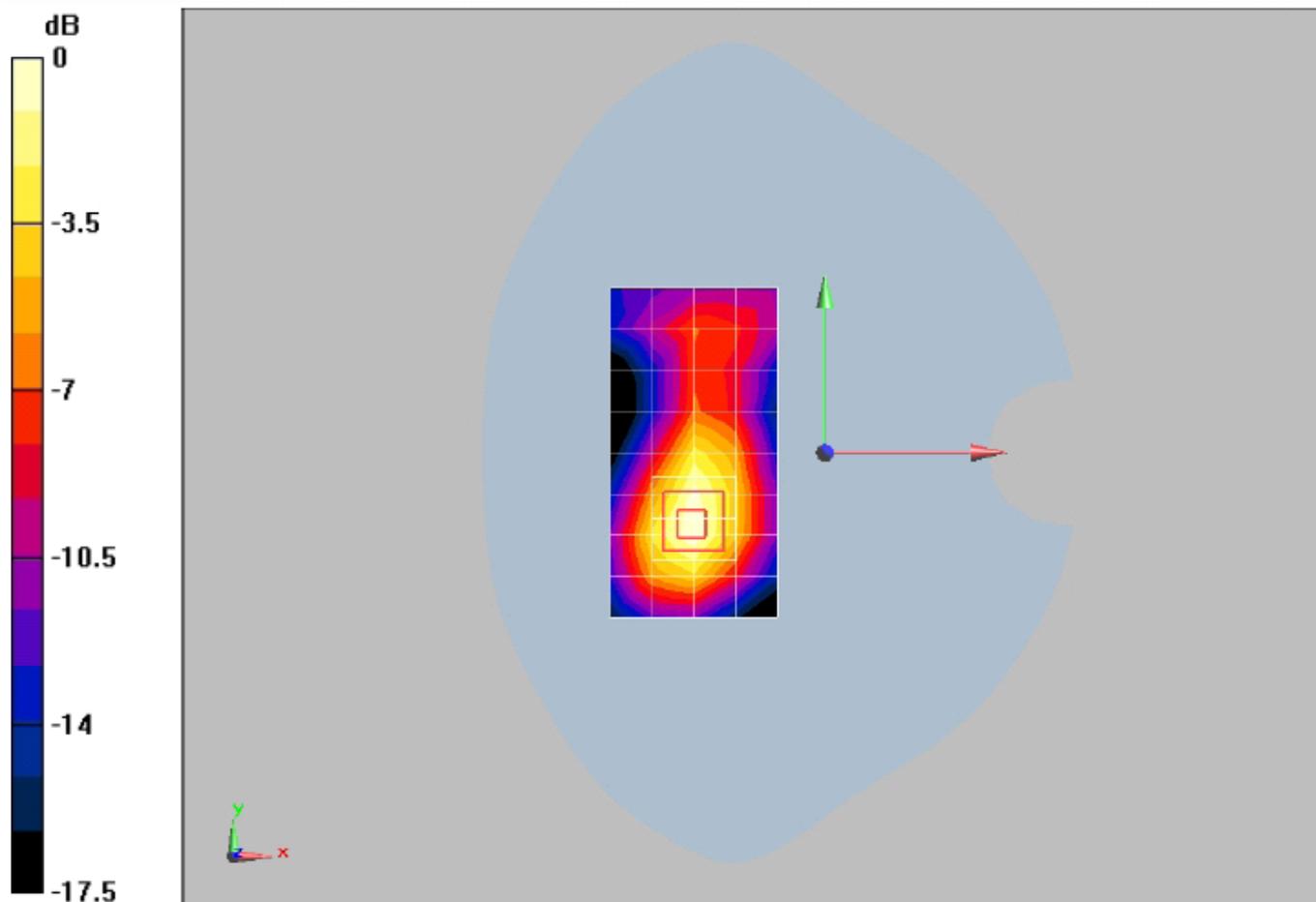
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.34 V/m; Power Drift = 0.186 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.813 mW/g; SAR(10 g) = 0.468 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.898 mW/g



0 dB = 0.898mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-WCDMA with IBM T61 front side-WCDMA1900**DUT: E1815**

Communication System: WCDMA1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.2 mW/g

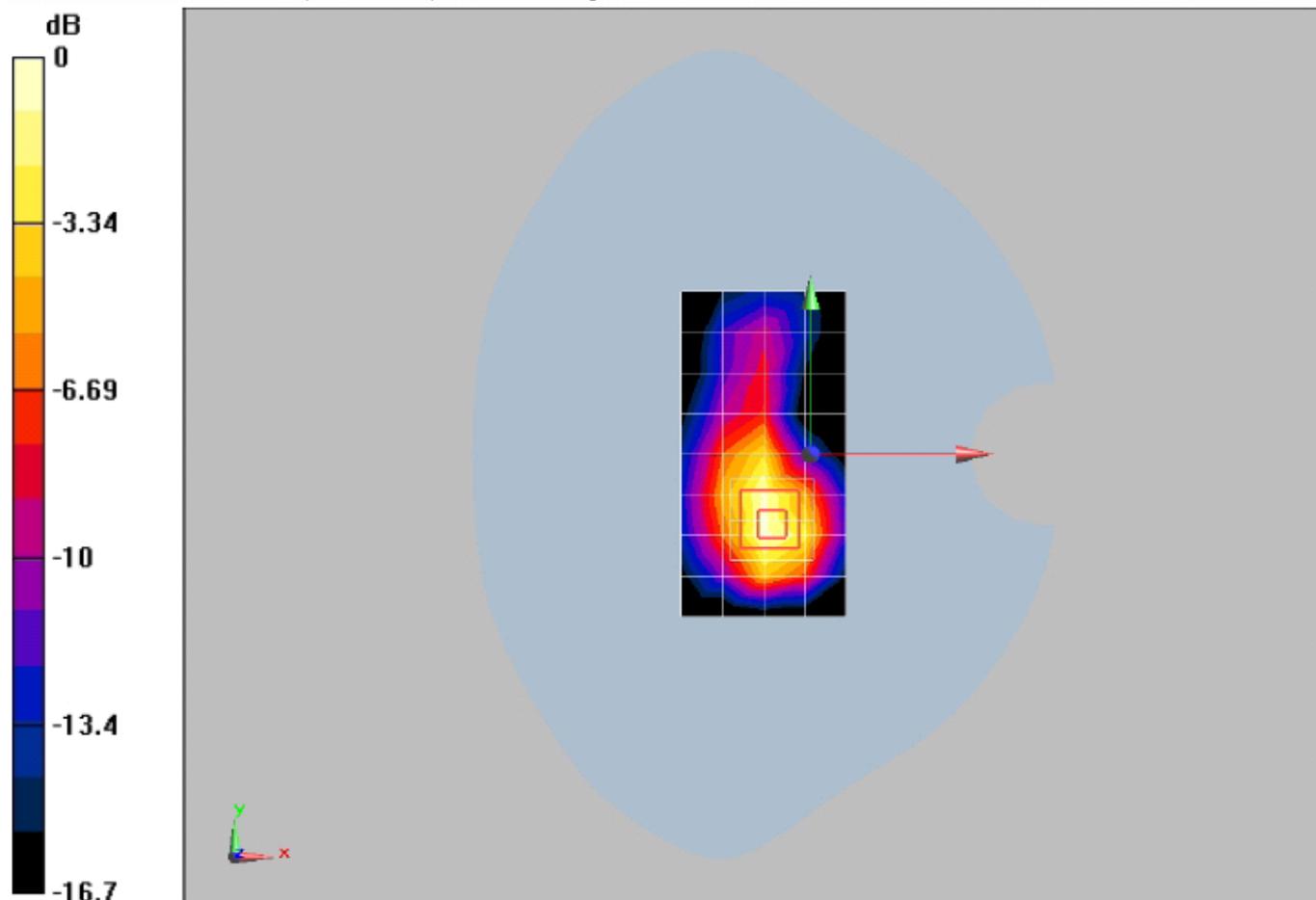
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.685 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.36 mW/g



0 dB = 1.36mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-WCDMA with IBM T61 front side-WCDMA1900

DUT: E1815

Communication System: WCDMA1900; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.28 mW/g

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

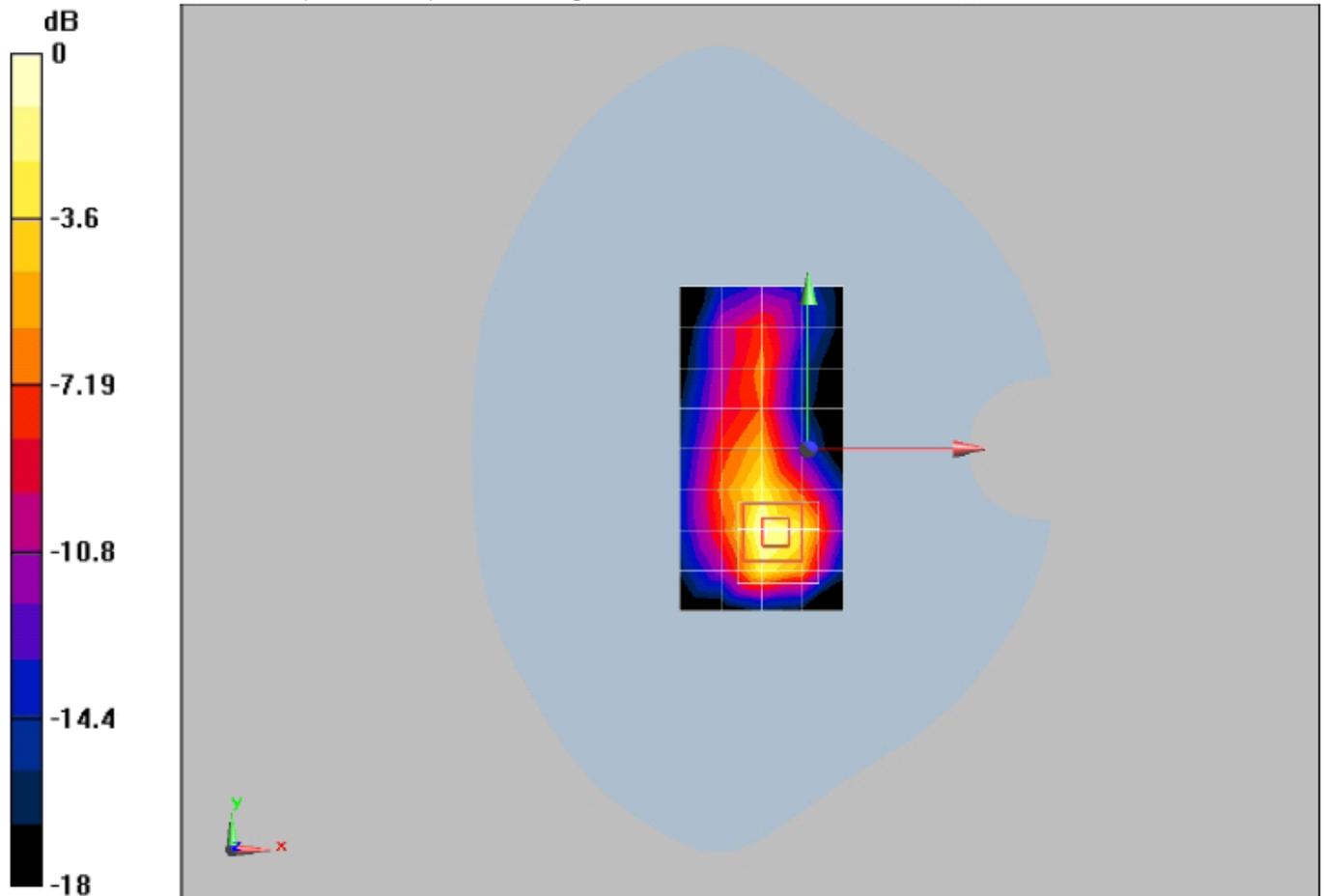
Reference Value = 18.3 V/m; Power Drift = 0.104 dB

Peak SAR (extrapolated) = 2.37 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.683 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.5 mW/g



0 dB = 1.5mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-HSDPA with IBM T61 front side-WCDMA1900**DUT: E1815**

Communication System: WCDMA1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.3 mW/g

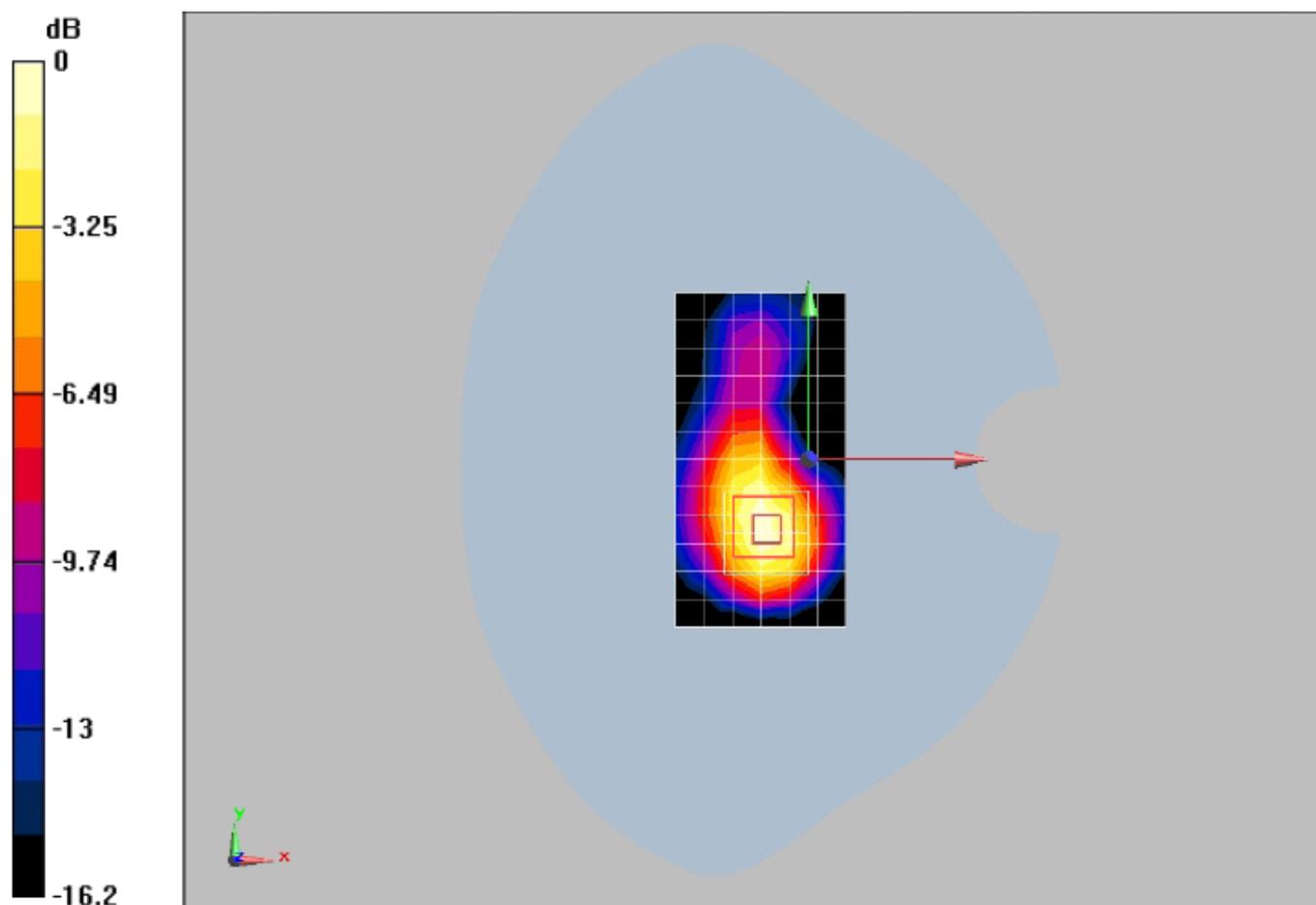
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.8 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.695 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.37 mW/g



0 dB = 1.37mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

P1528_OET65-HSUPA with IBM T61 front side-WCDMA1900**DUT: E1815**

Communication System: WCDMA1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.864 mW/g

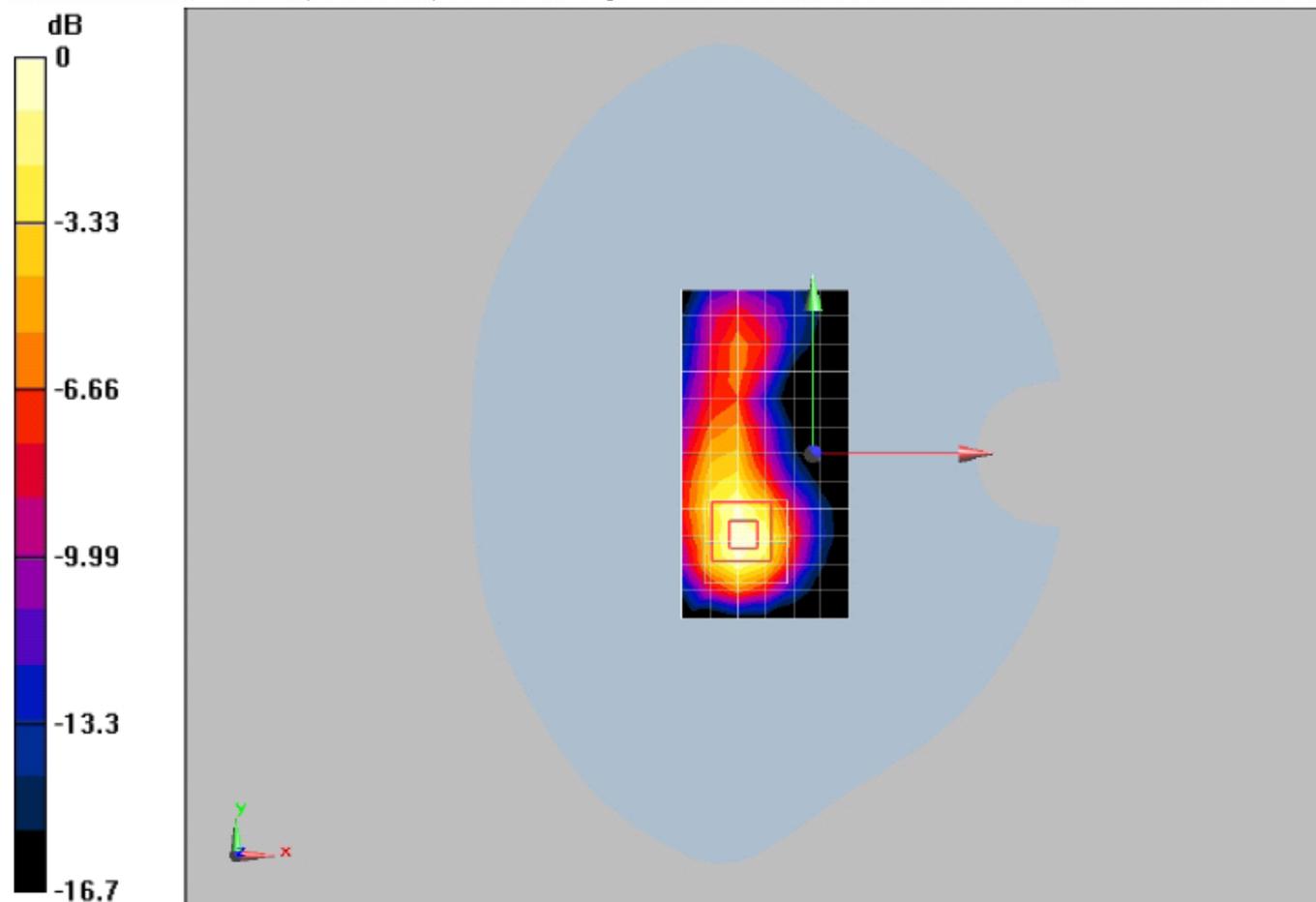
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.9 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.396 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.845 mW/g



0 dB = 0.845mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.4 °C

Annex 2.4 WCDMA 850MHz body

Date/Time: 2010-07-09 22:23:15

P1528_OET65-WCDMA with IBM T61 front side-WCDMA850

DUT: E1815

Communication System: WCDMA850; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.755 mW/g

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

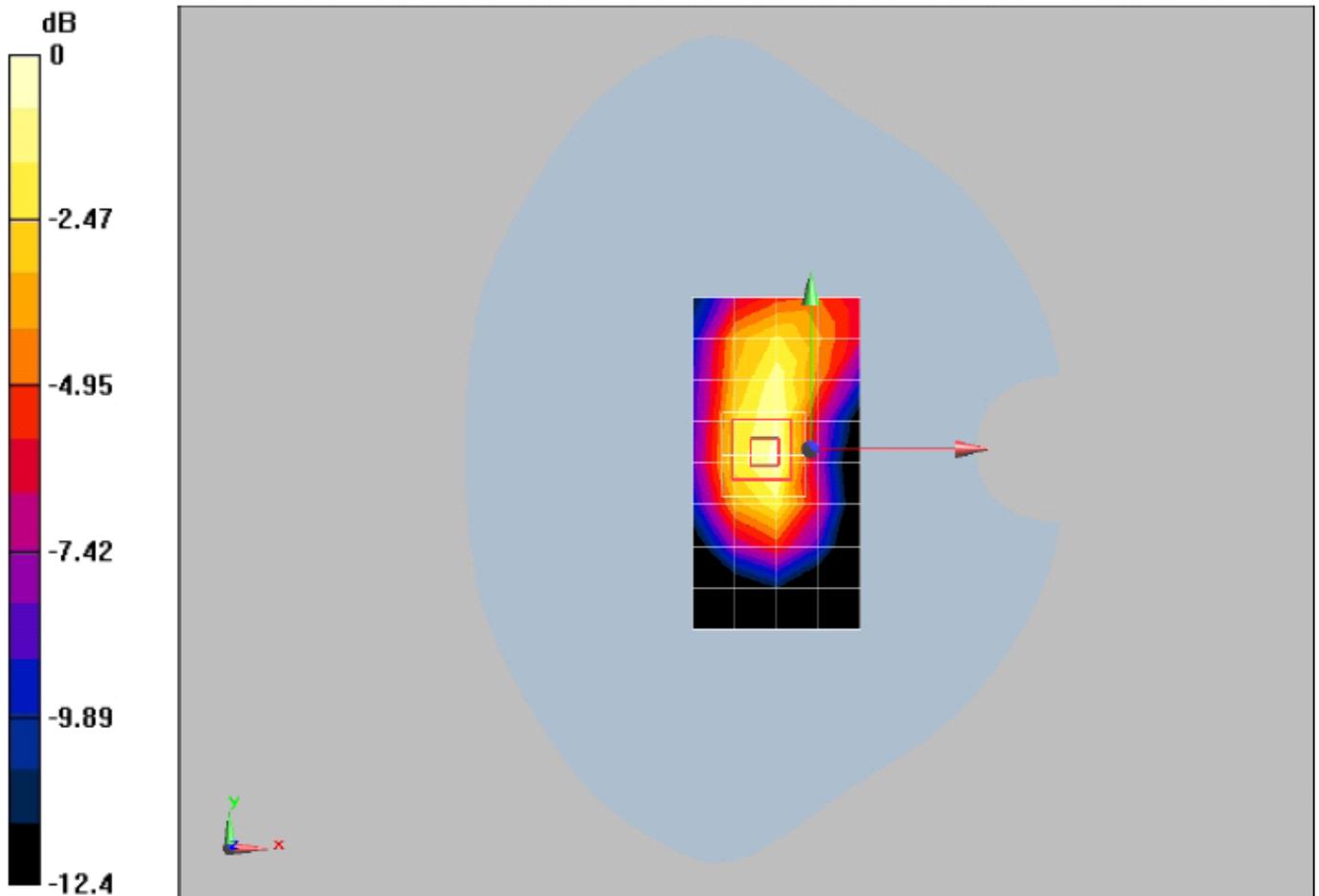
Reference Value = 28.7 V/m; Power Drift = -0.00866 dB

Peak SAR (extrapolated) = 1.2 W/kg

SAR(1 g) = 0.753 mW/g; SAR(10 g) = 0.453 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.836 mW/g



0 dB = 0.836mW/g

Additional information:

position or distance of DUT to SAM:5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

P1528_OET65-WCDMA with IBM X301 rear side-WCDMA850**DUT: E1815**

Communication System: WCDMA850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.522 mW/g

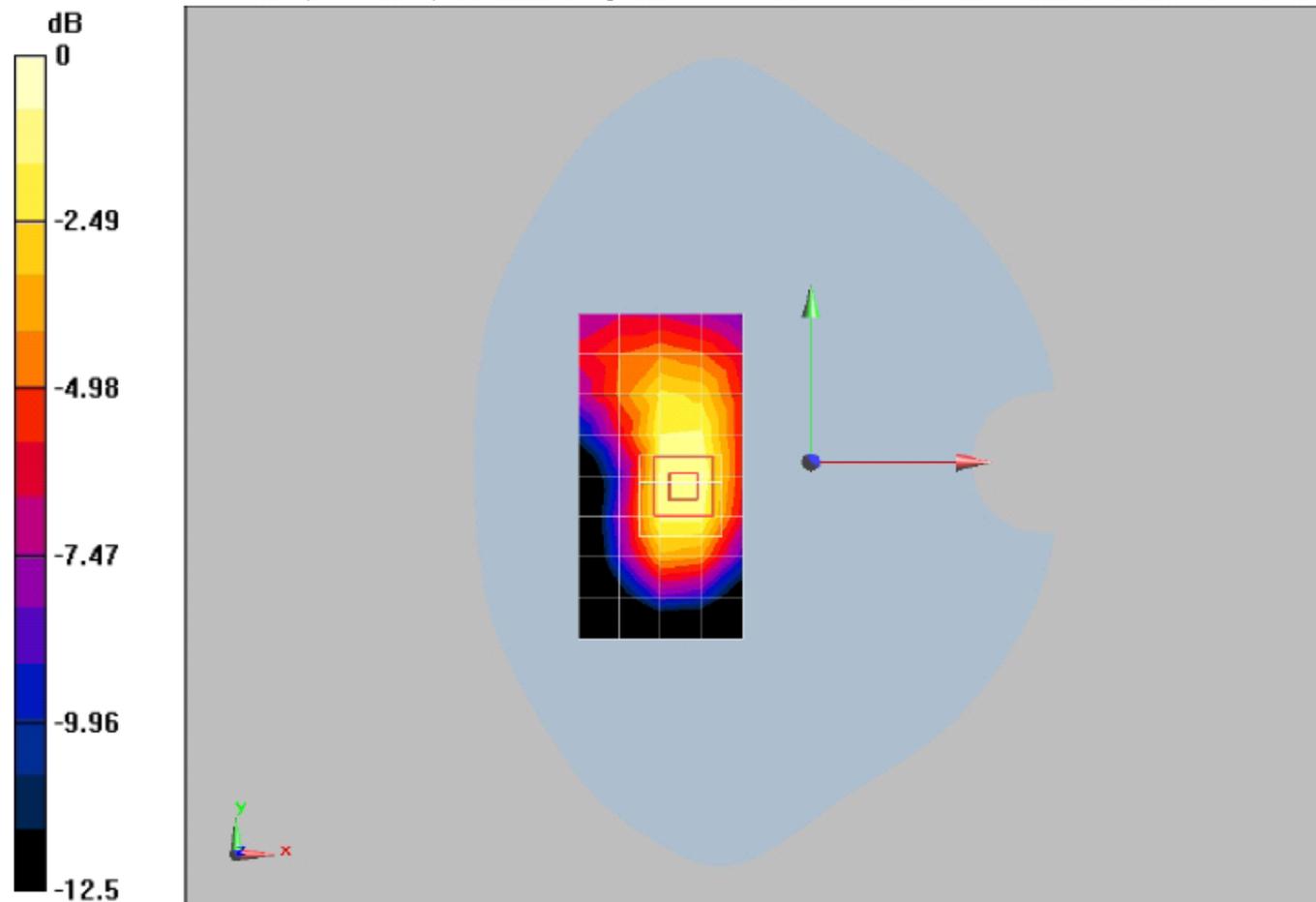
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.94 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.888 W/kg

SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.353 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.627 mW/g



0 dB = 0.627mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

P1528_OET65-WCDMA with IBM T61 left side-WCDMA850

DUT: E1815

Communication System: WCDMA850; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.266 mW/g

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

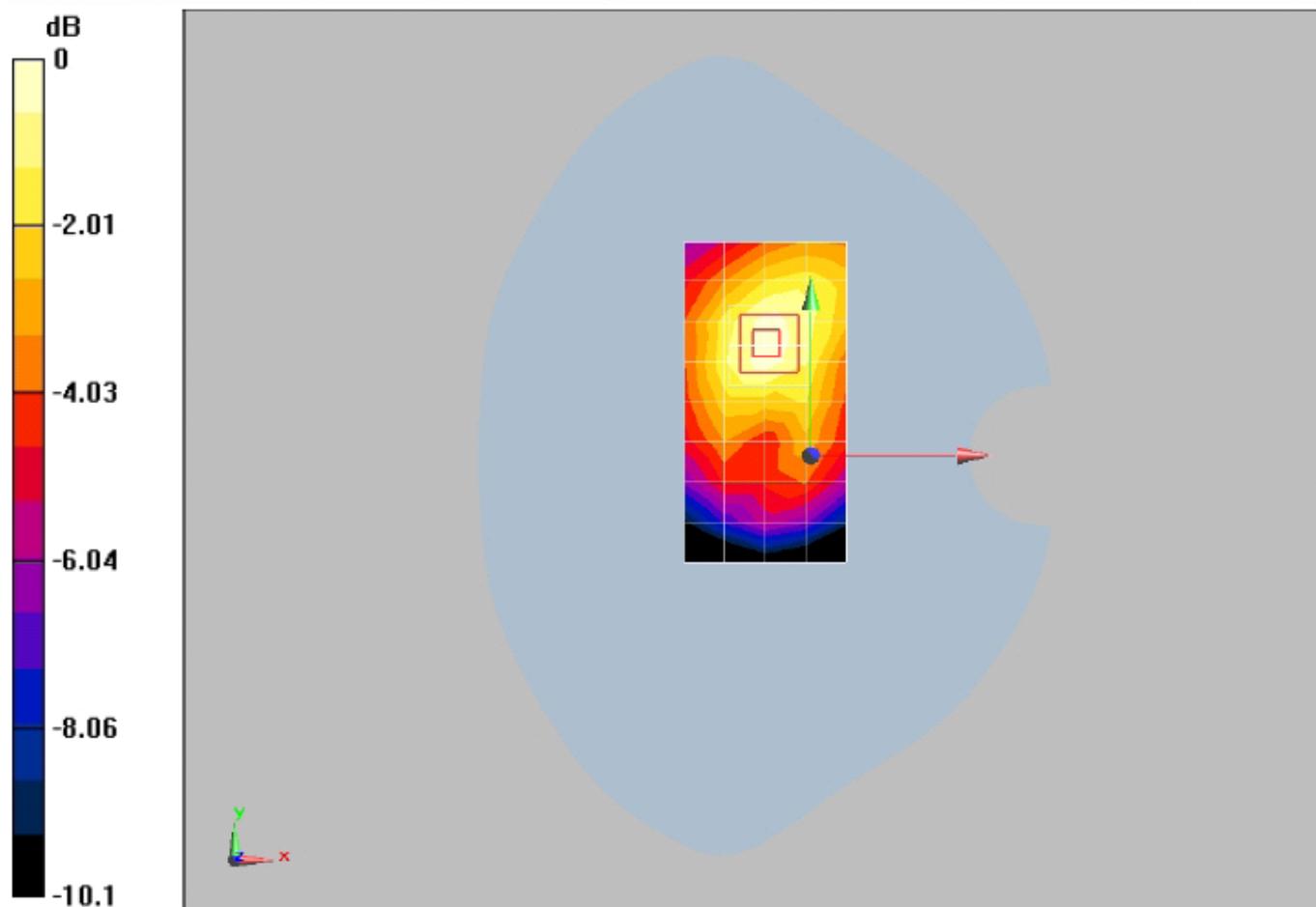
Reference Value = 9.68 V/m; Power Drift = 0.090 dB

Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.173 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.279 mW/g



0 dB = 0.279mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

P1528_OET65-WCDMA with IBM T61 right side-WCDMA850

DUT: E1815

Communication System: WCDMA850; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.432 mW/g

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

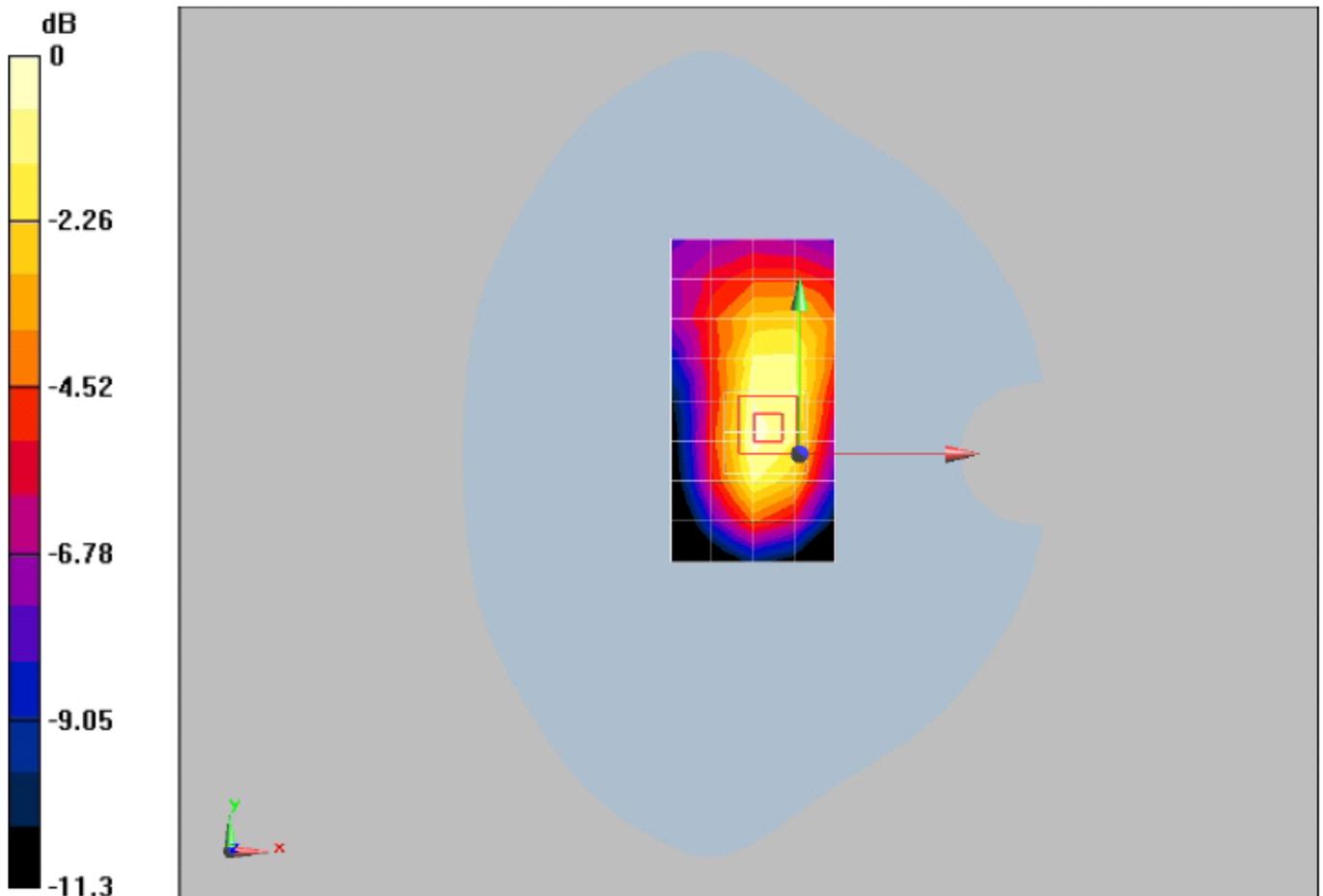
Reference Value = 20.6 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 0.688 W/kg

SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.276 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.478 mW/g



0 dB = 0.478mW/g

Additional information:

position or distance of DUT to SAM:5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

P1528_OET65-WCDMA with IBM T61 front side-WCDMA850

DUT: E1815

Communication System: WCDMA850; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.677 mW/g

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

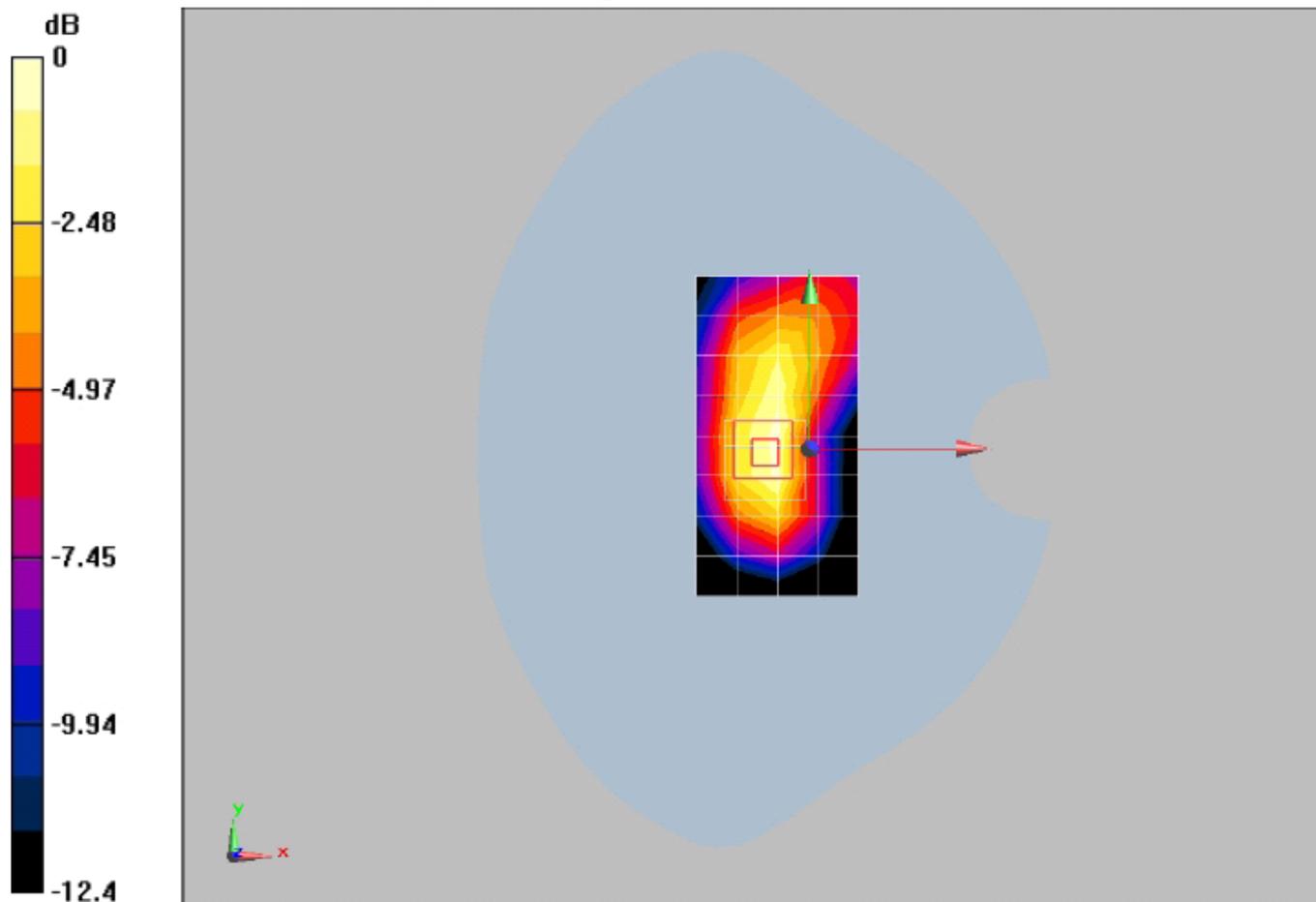
Reference Value = 27.6 V/m; Power Drift = -0.00484 dB

Peak SAR (extrapolated) = 1.1 W/kg

SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.414 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.753 mW/g



0 dB = 0.753mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

P1528_OET65-WCDMA with IBM T61 front side-WCDMA850**DUT: E1815**

Communication System: WCDMA850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.812 mW/g

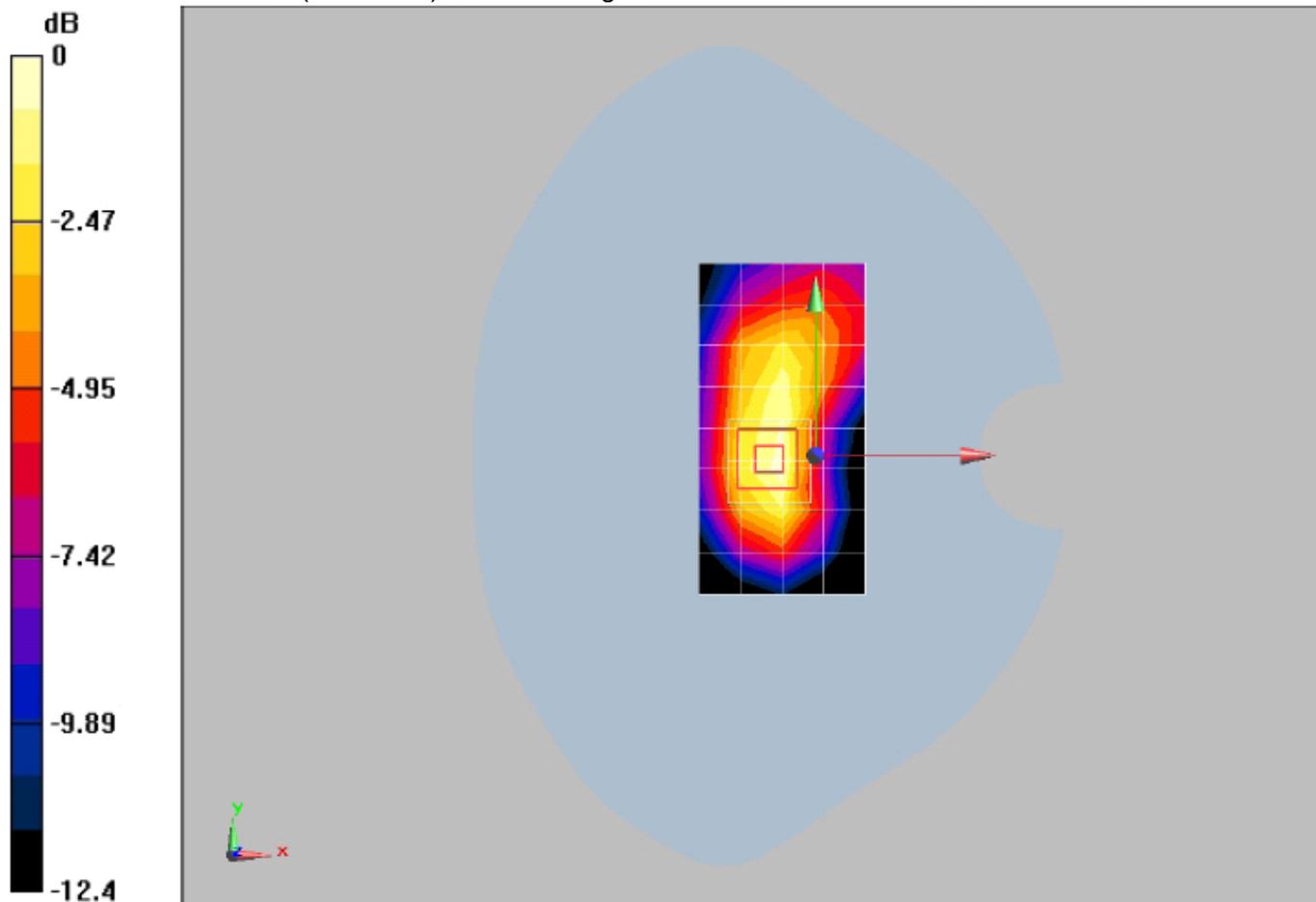
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.3 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.481 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.882 mW/g



0 dB = 0.882mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

P1528_OET65-HSDPA with IBM T61 front side-WCDMA850**DUT: E1815**

Communication System: WCDMA850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.737 mW/g

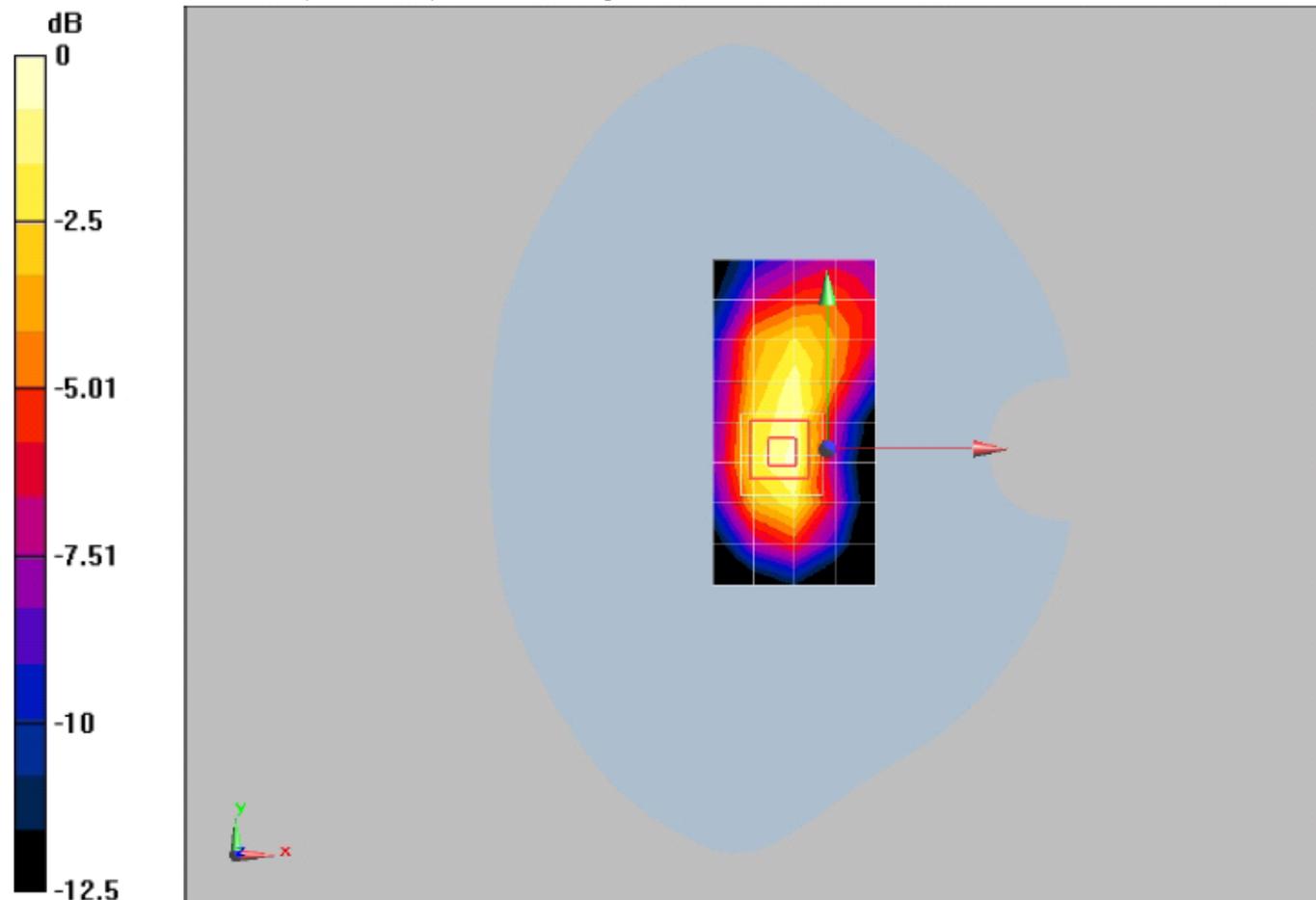
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.3 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.2 W/kg

SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.444 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.822 mW/g



0 dB = 0.822mW/g

Additional information:

position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

P1528_OET65-HSUPA with IBM T61 front side-WCDMA850**DUT: E1815**

Communication System: WCDMA850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/18/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.503 mW/g

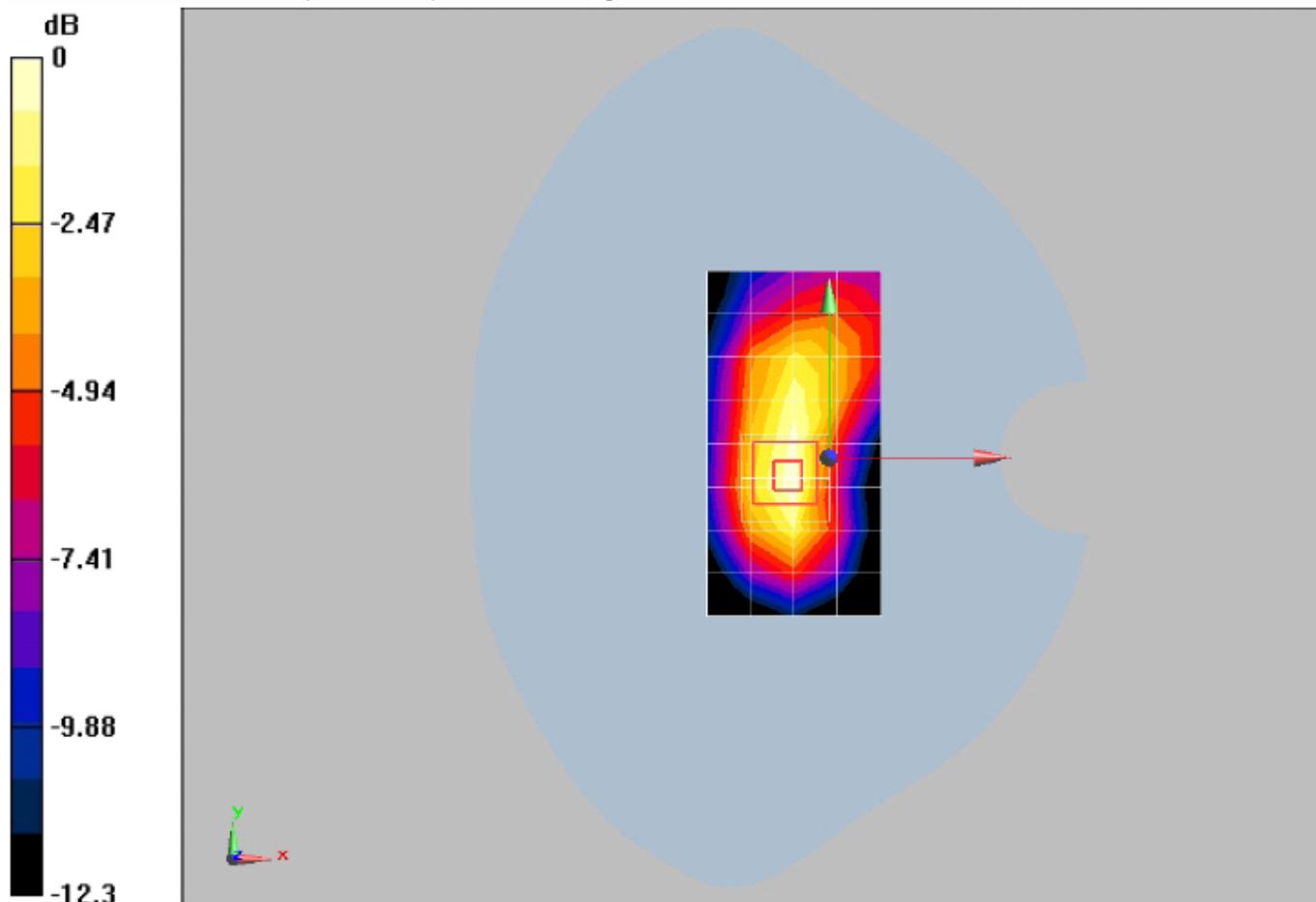
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.7 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.754 W/kg

SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.283 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.519 mW/g

**Additional information:**

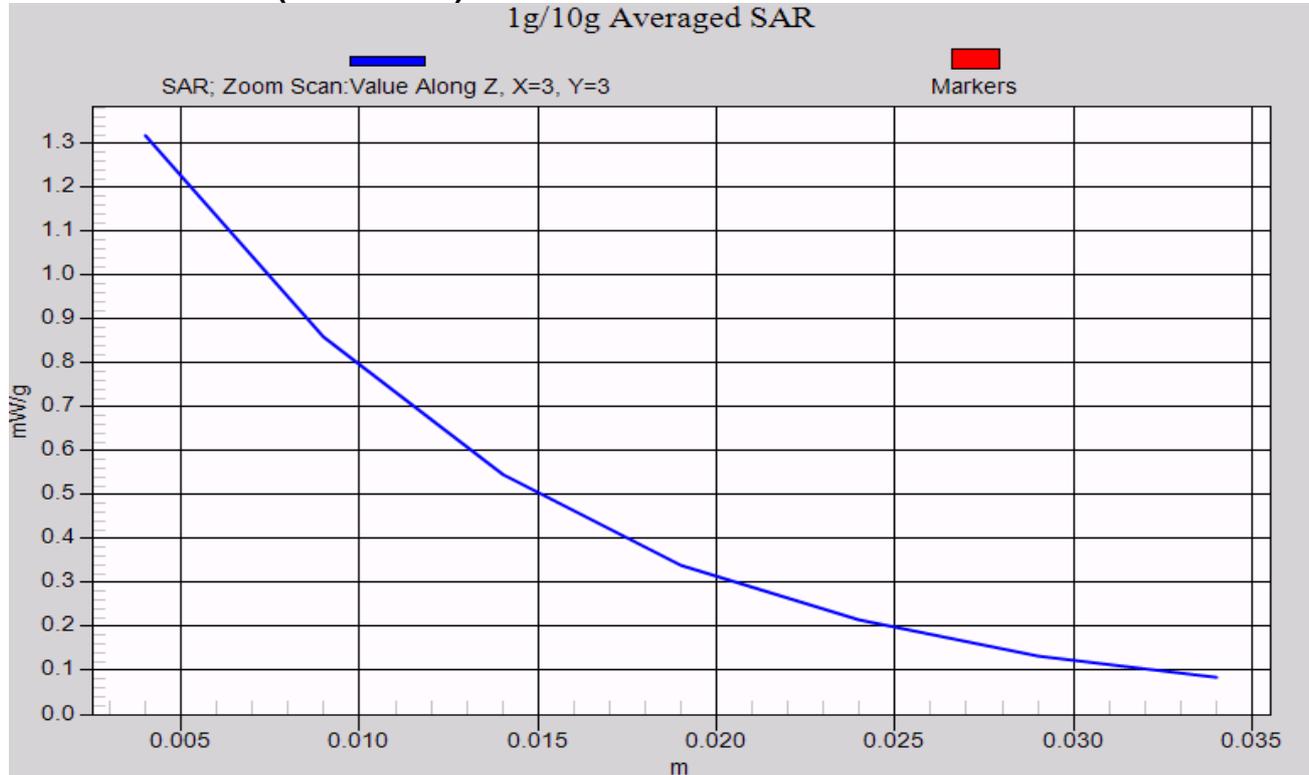
position or distance of DUT to SAM: 5 mm

ambient temperature: 23.0 °C; liquid temperature: 22.2°C

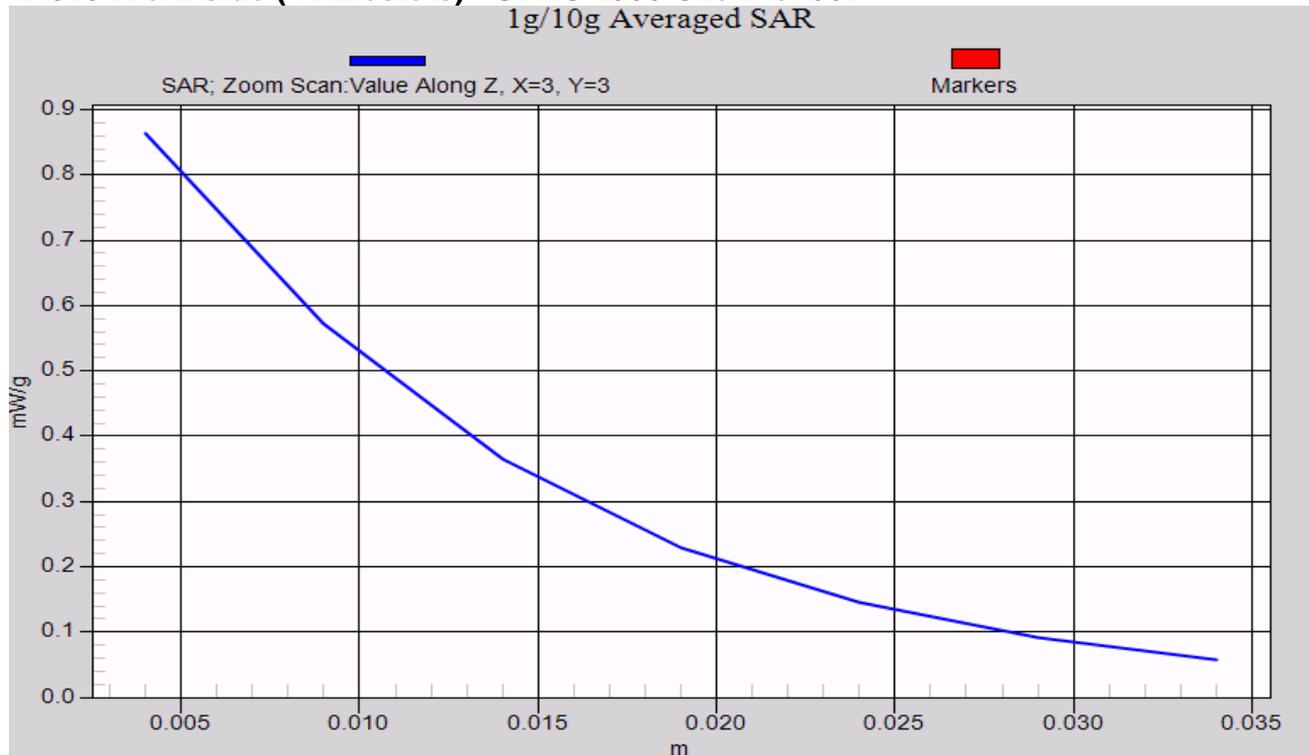
Annex 2.5 Z-axis scans

GSM 1900

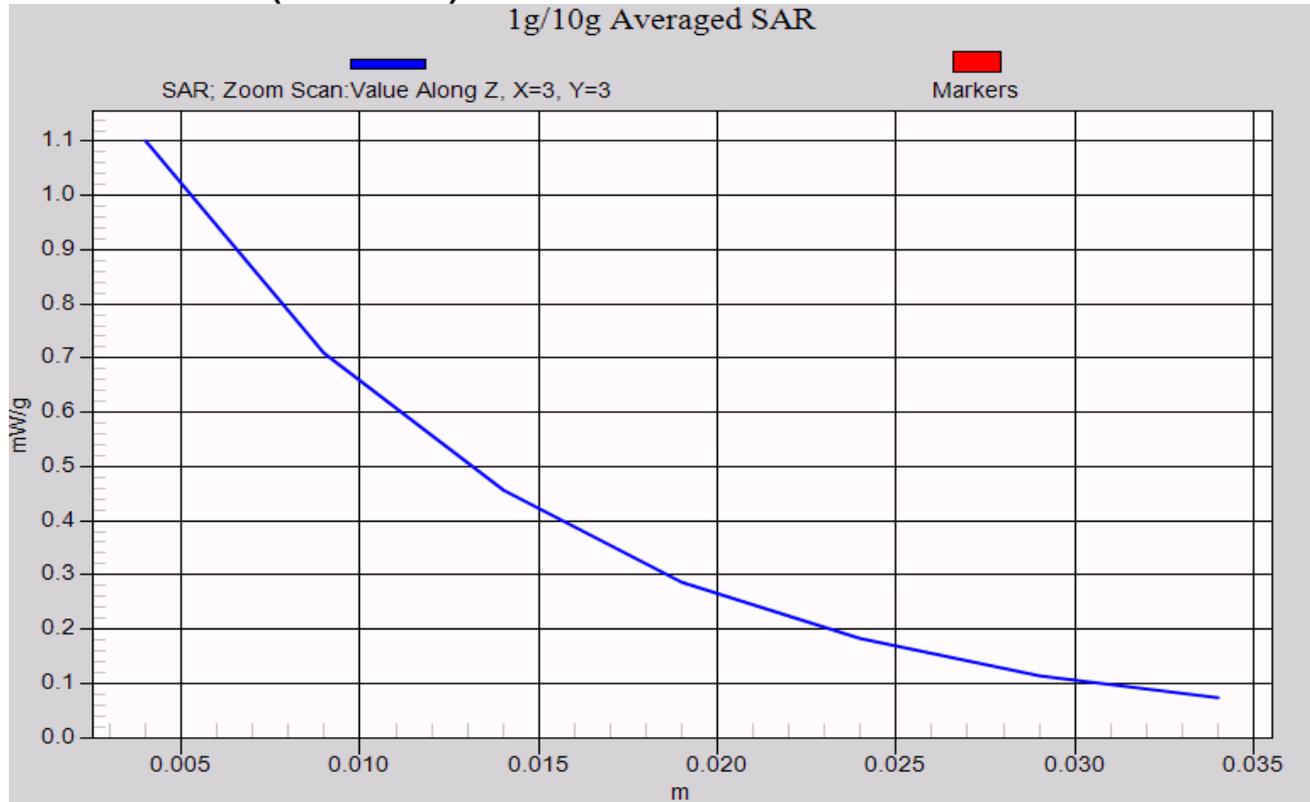
E1815 Front side (2 timeslots) –GPRS 1900 Channel 661



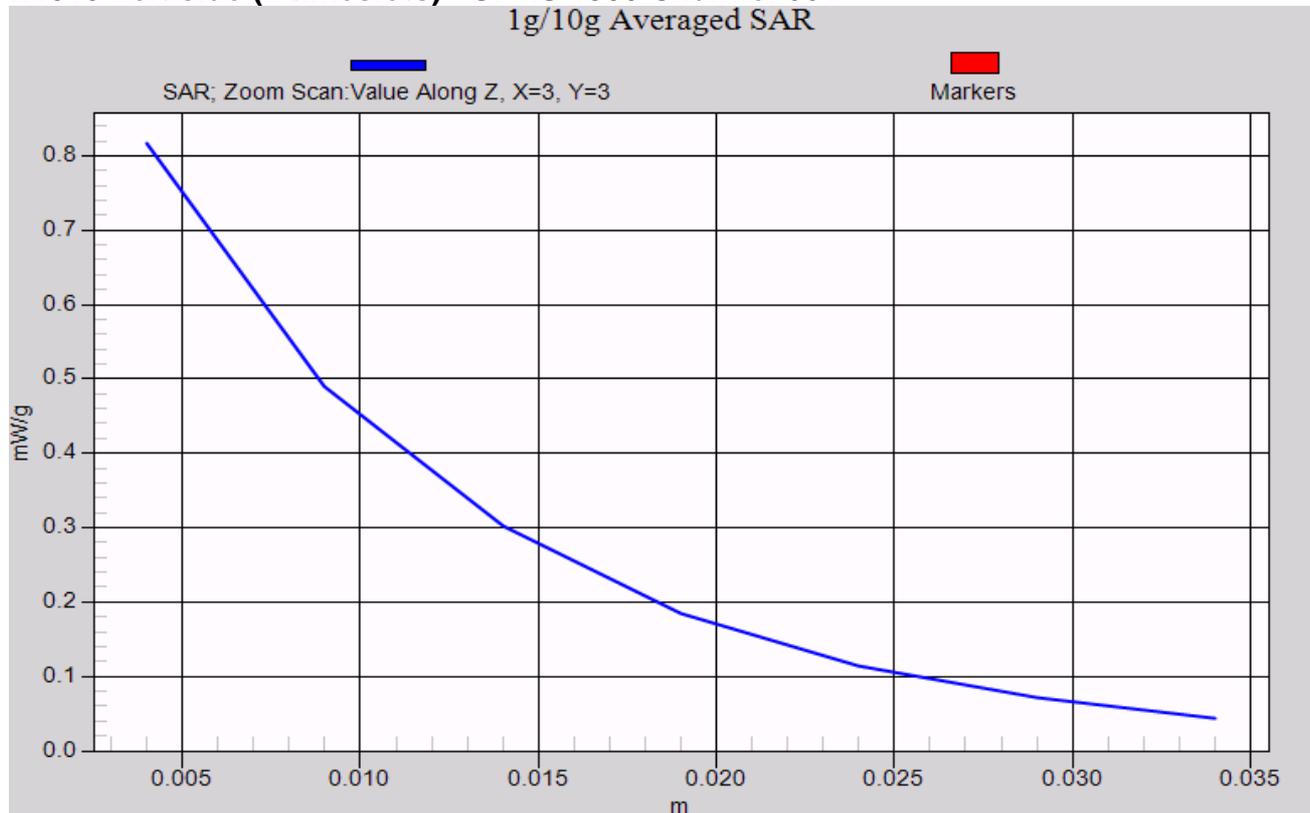
E1815 Front side (1 timeslots) –GPRS 1900 Channel 661



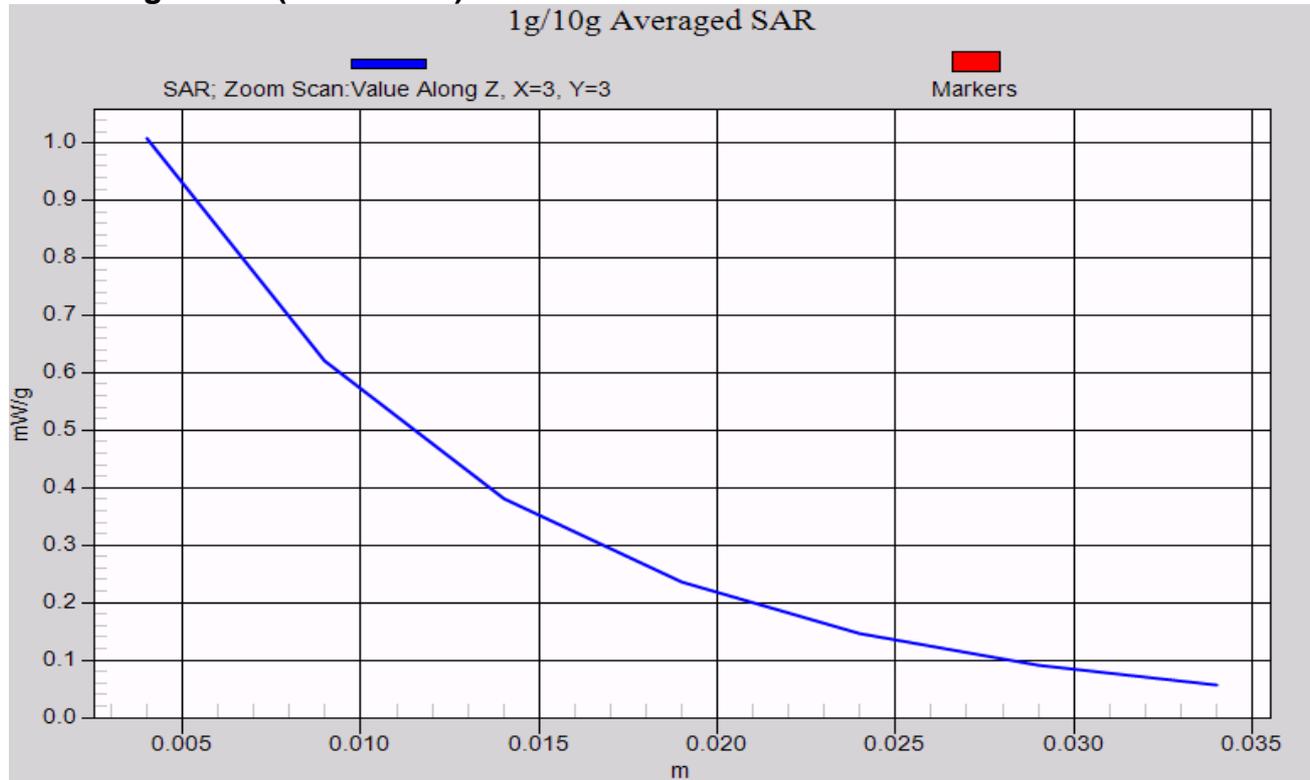
E1815 Back side (2 timeslots) –GPRS 1900 Channel 661



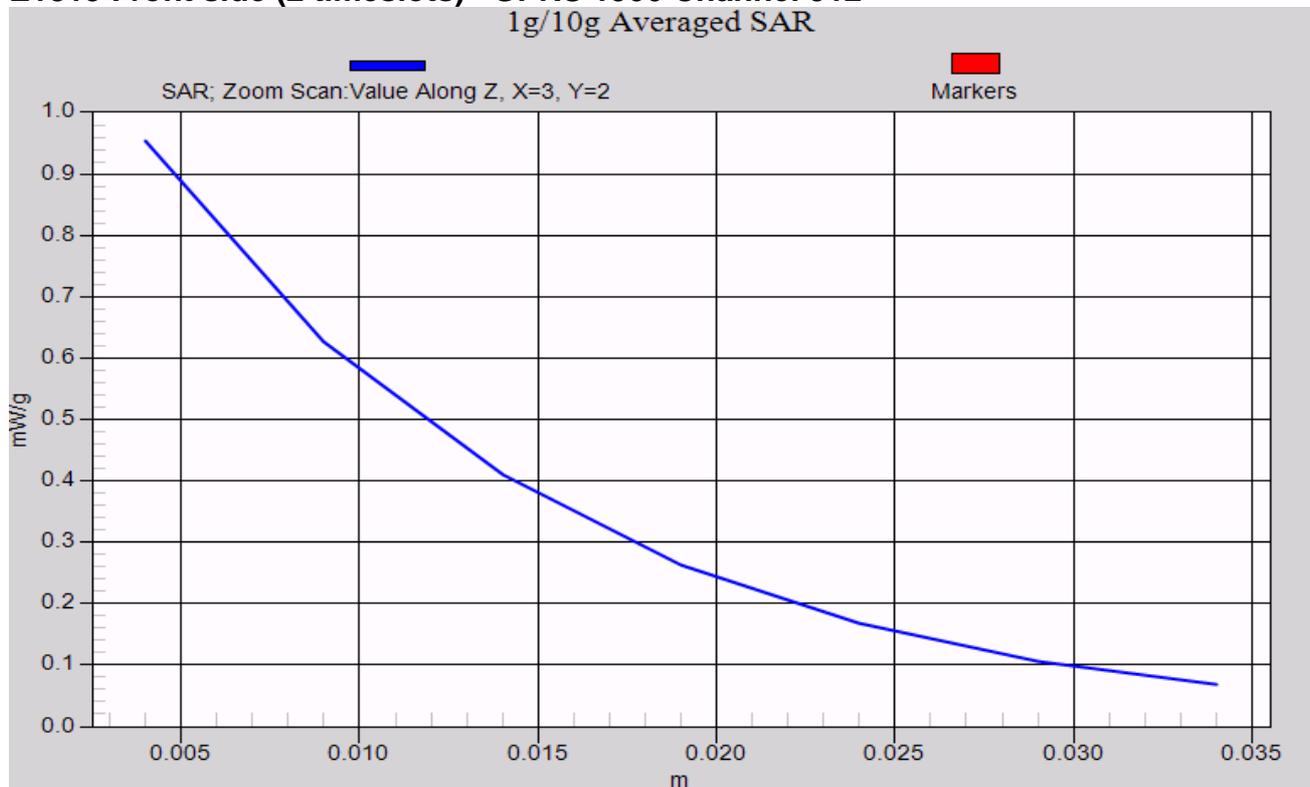
E1815 Left side (2 timeslots) –GPRS 1900 Channel 661



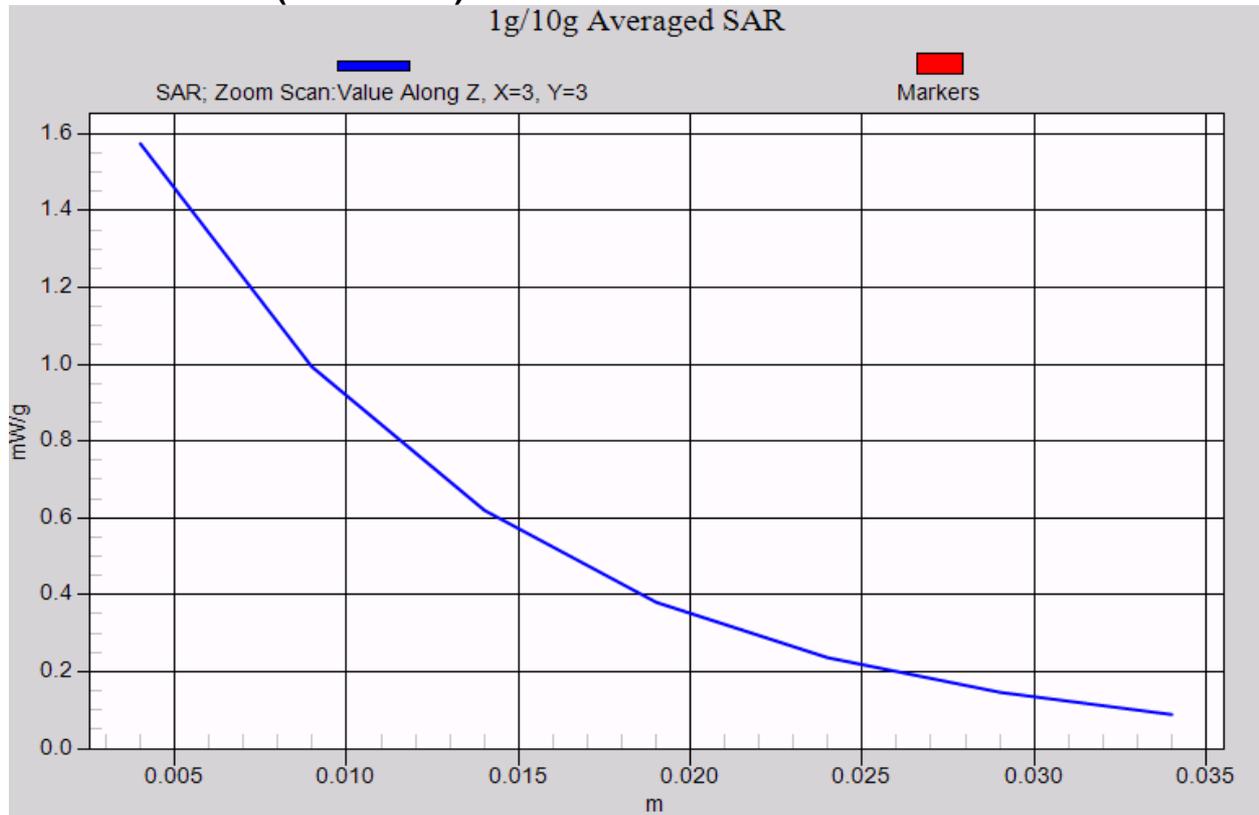
E1815 Right side (2 timeslots) –GPRS 1900 Channel 661



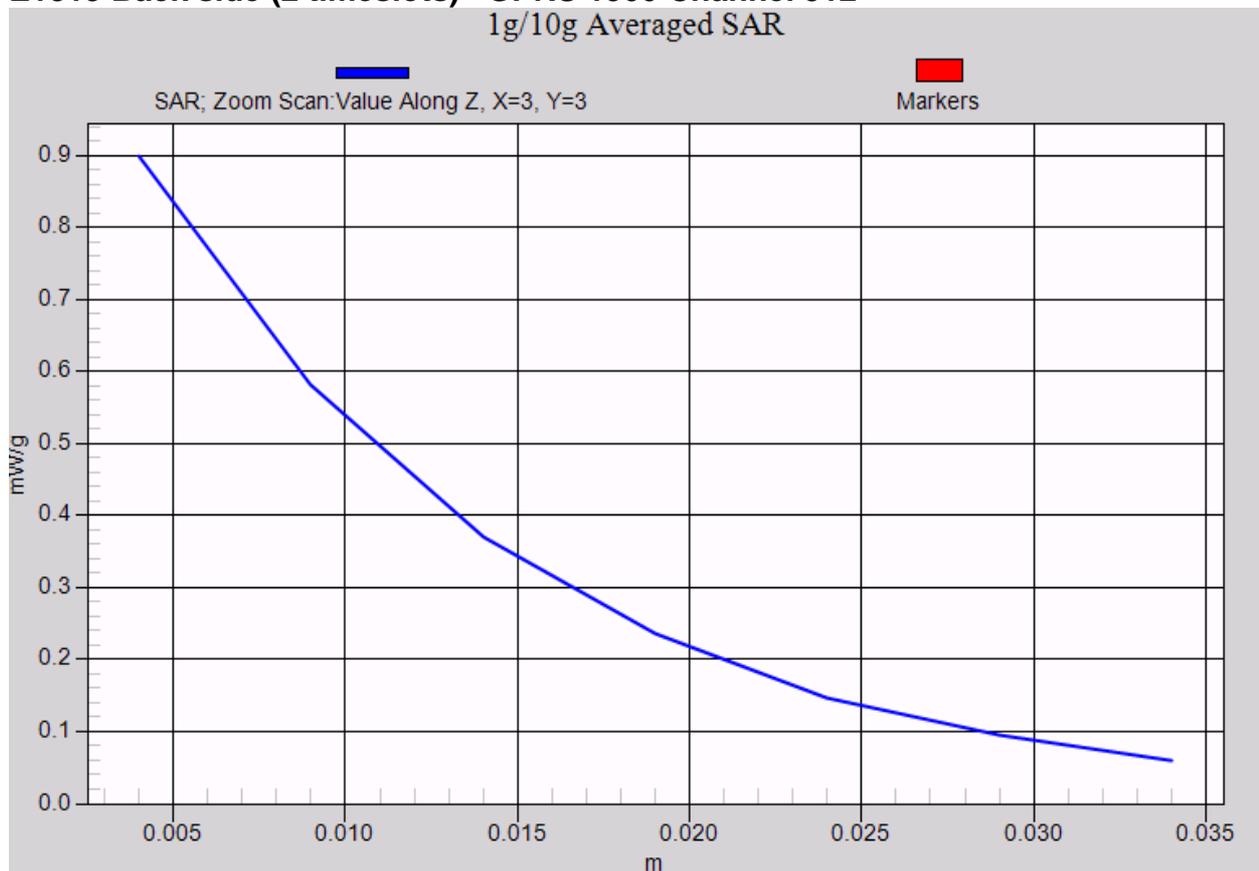
E1815 Front side (2 timeslots) –GPRS 1900 Channel 512



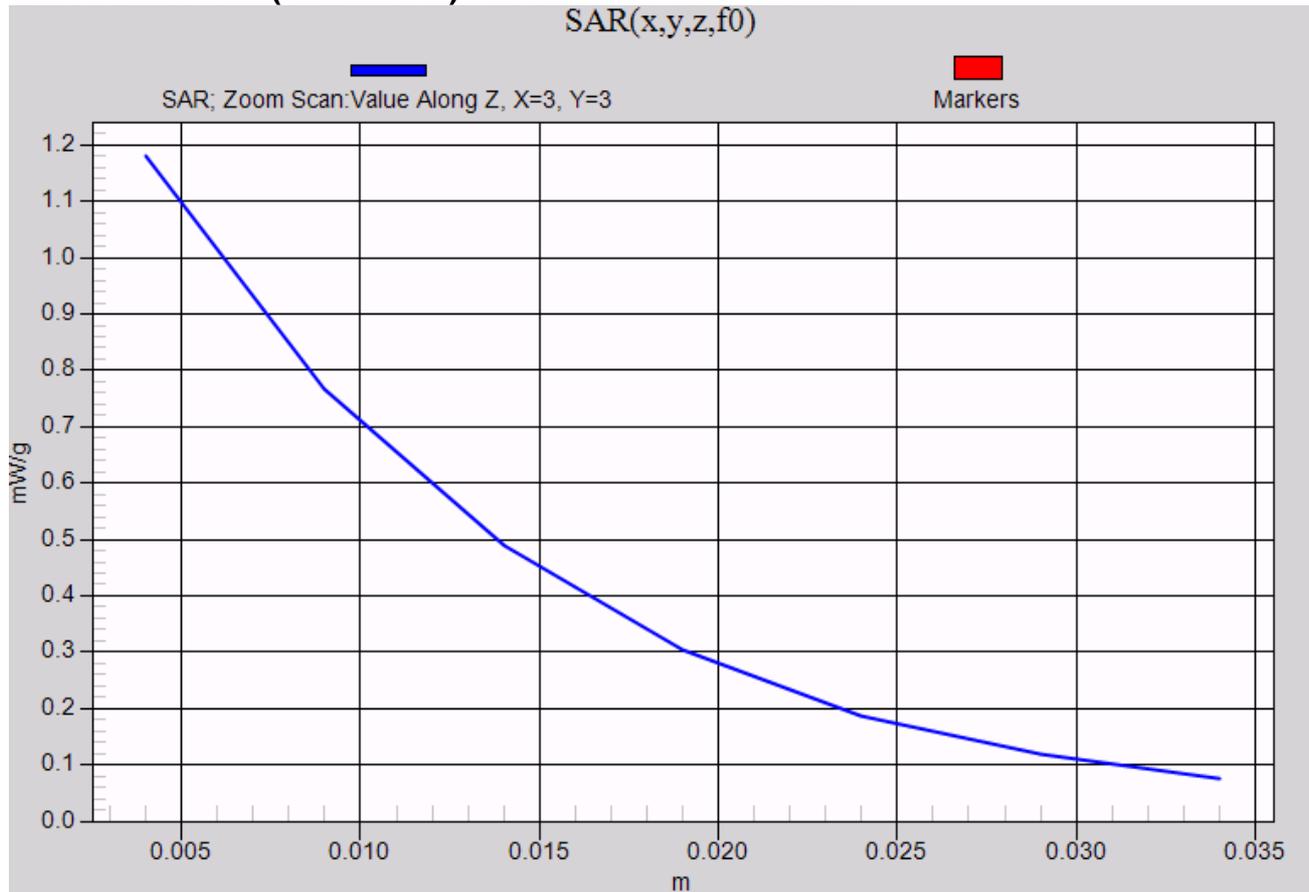
E1815 Front side (2 timeslots) –GPRS 1900 Channel 810
1g/10g Averaged SAR



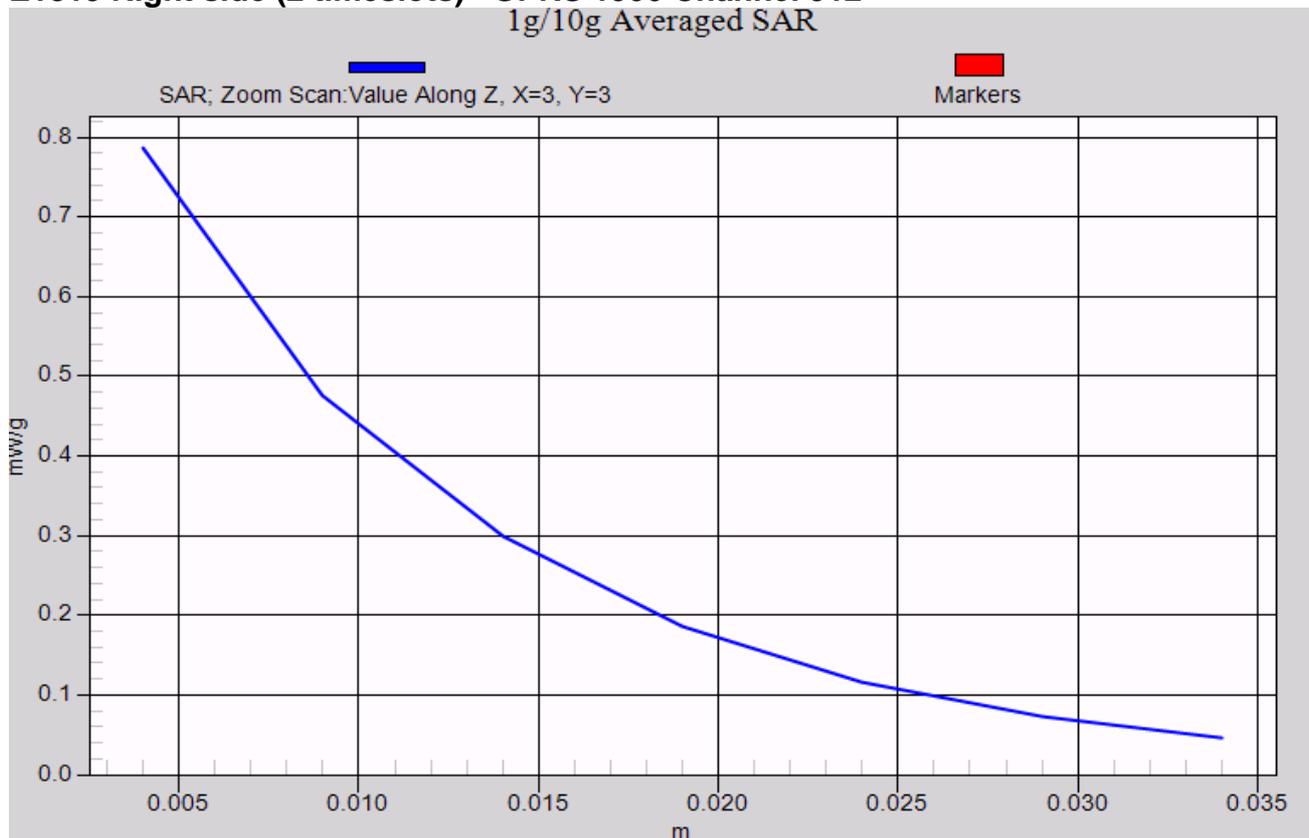
E1815 Back side (2 timeslots) –GPRS 1900 Channel 512
1g/10g Averaged SAR



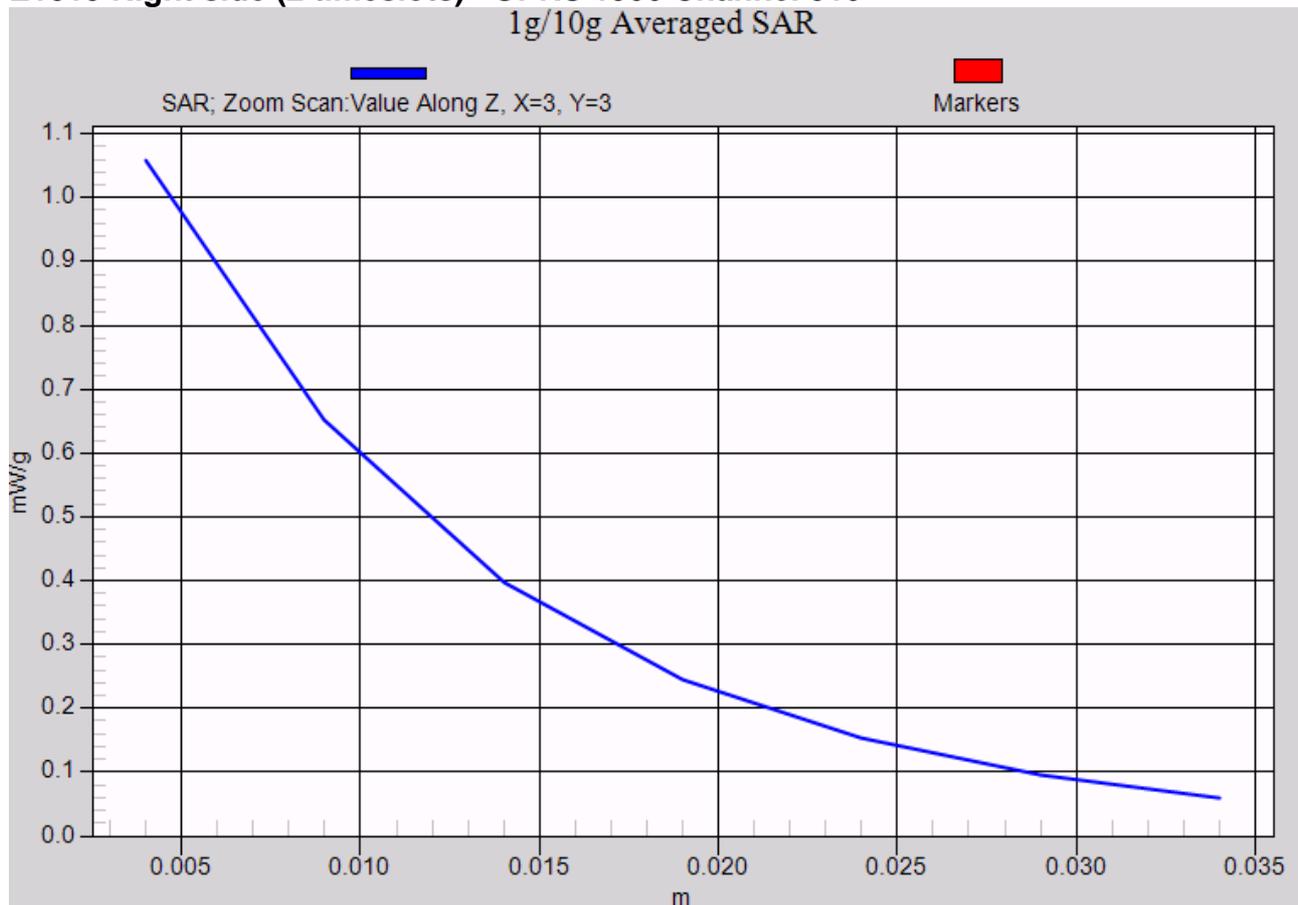
E1815 Back side (2 timeslots) –GPRS 1900 Channel 810



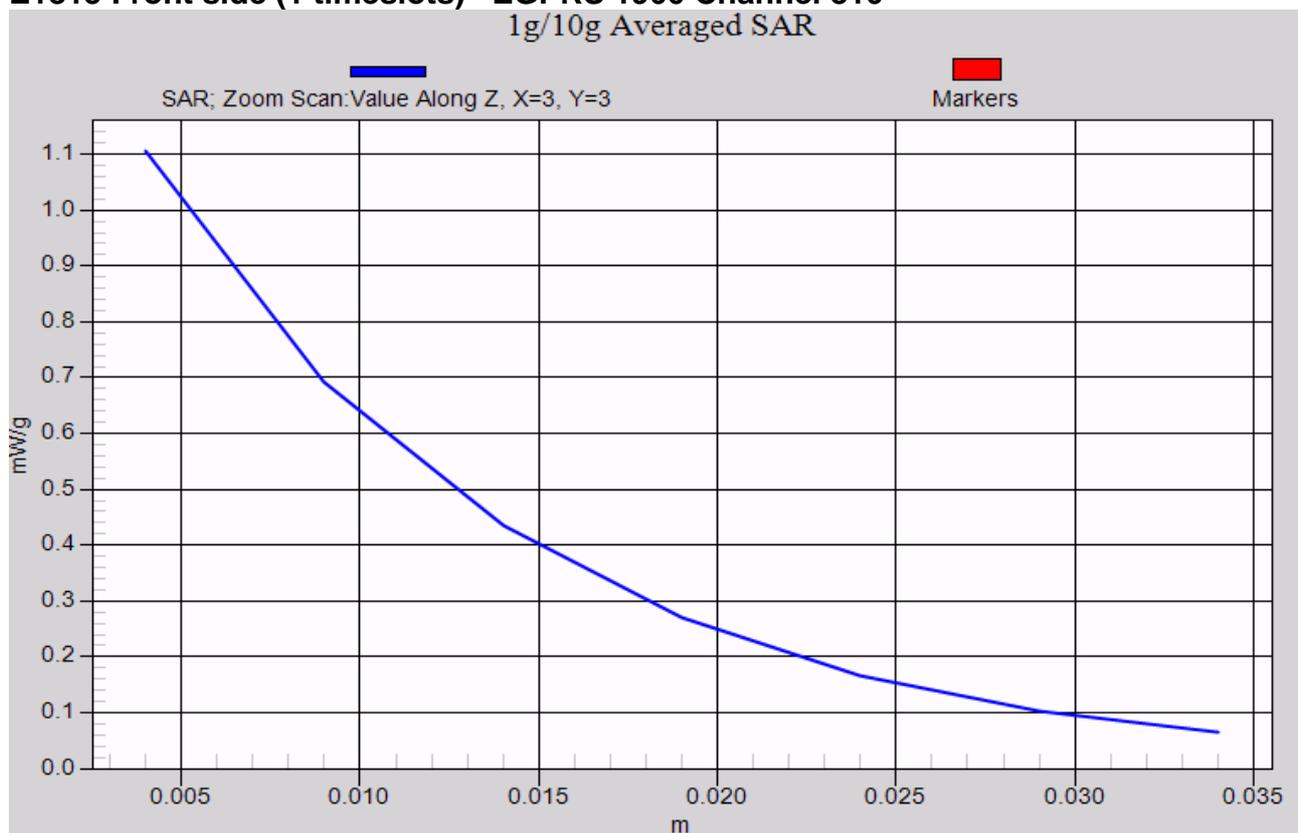
E1815 Right side (2 timeslots) –GPRS 1900 Channel 512



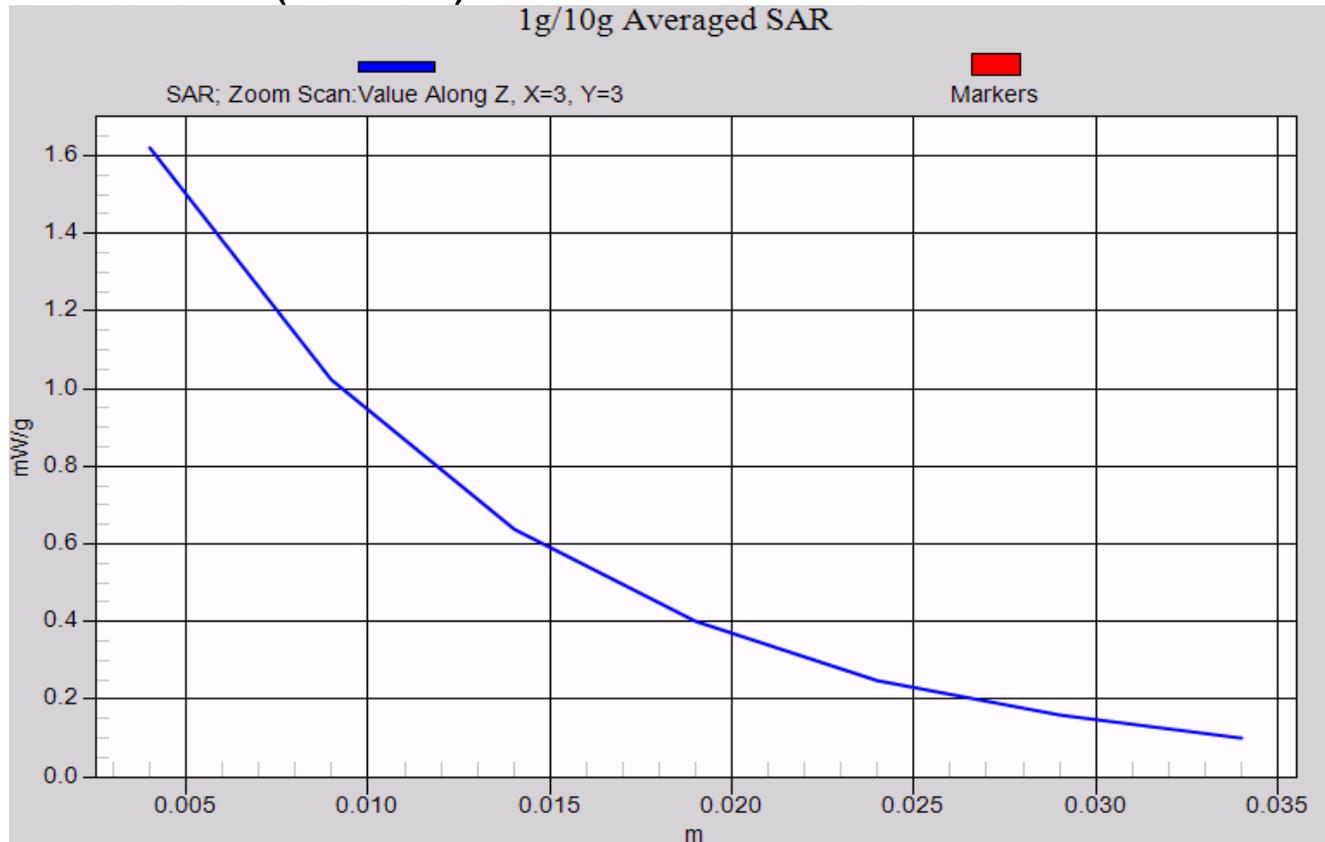
E1815 Right side (2 timeslots) –GPRS 1900 Channel 810
1g/10g Averaged SAR



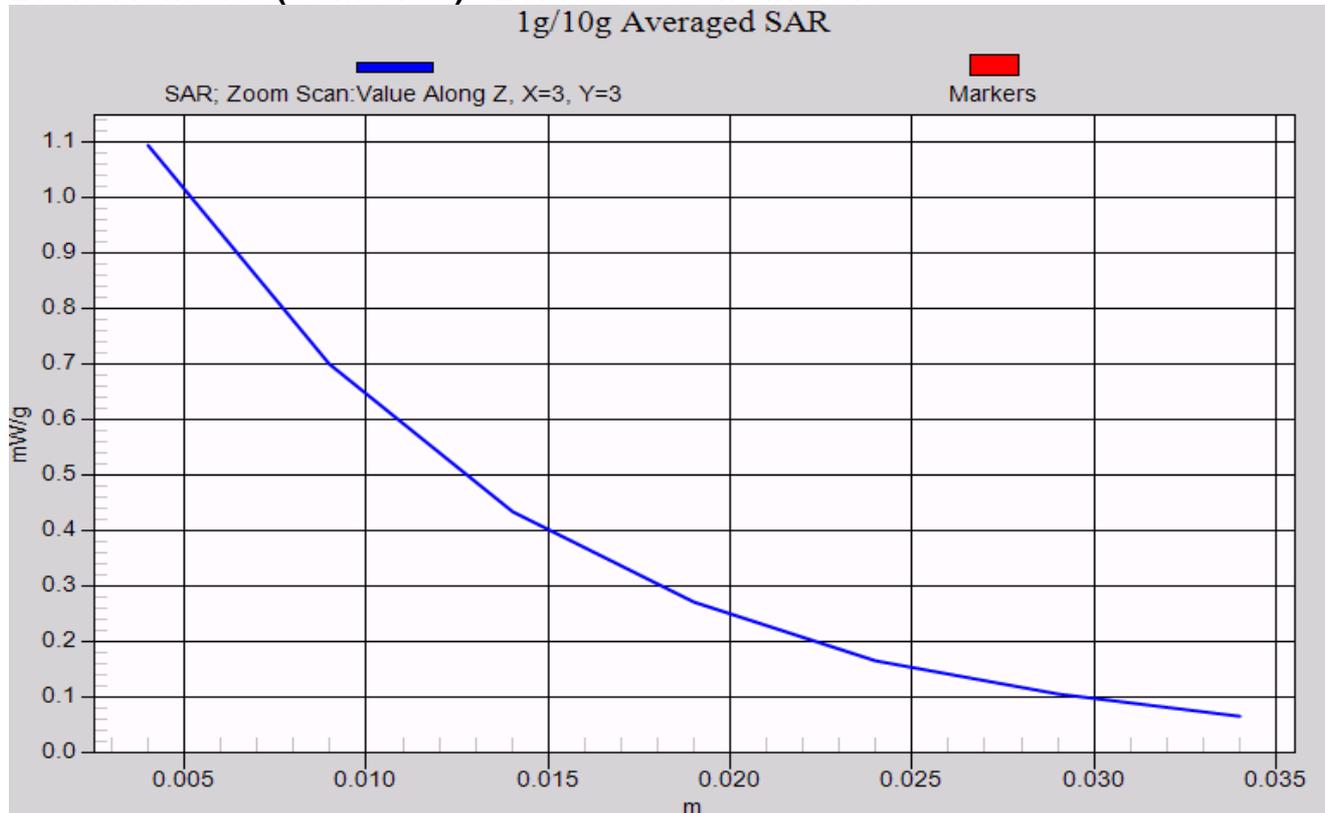
E1815 Front side (1 timeslots) –EGPRS 1900 Channel 810
1g/10g Averaged SAR



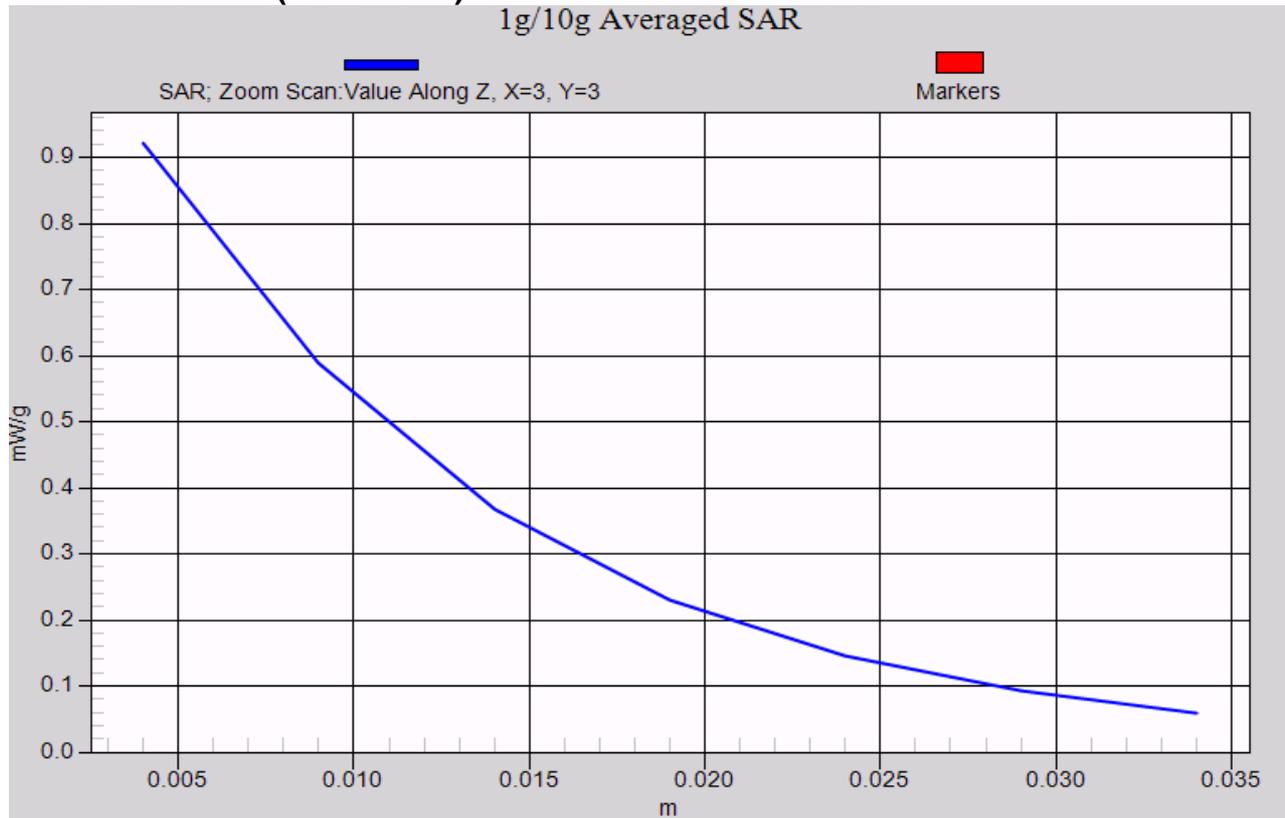
E1815 Front side (2 timeslots) –EGPRS 1900 Channel 810



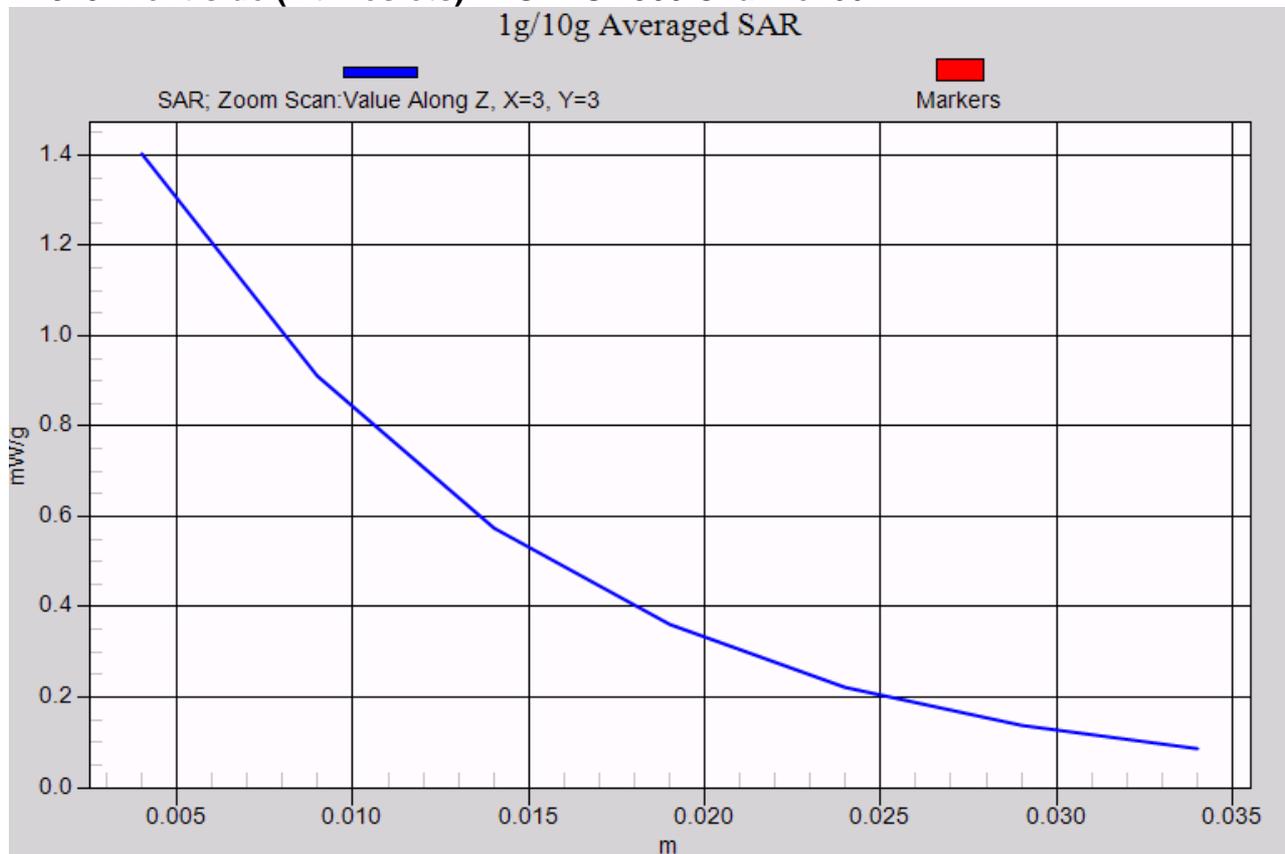
E1815 Front side (3 timeslots) –EGPRS 1900 Channel 810



E1815 Front side (4 timeslots) –EGPRS 1900 Channel 810



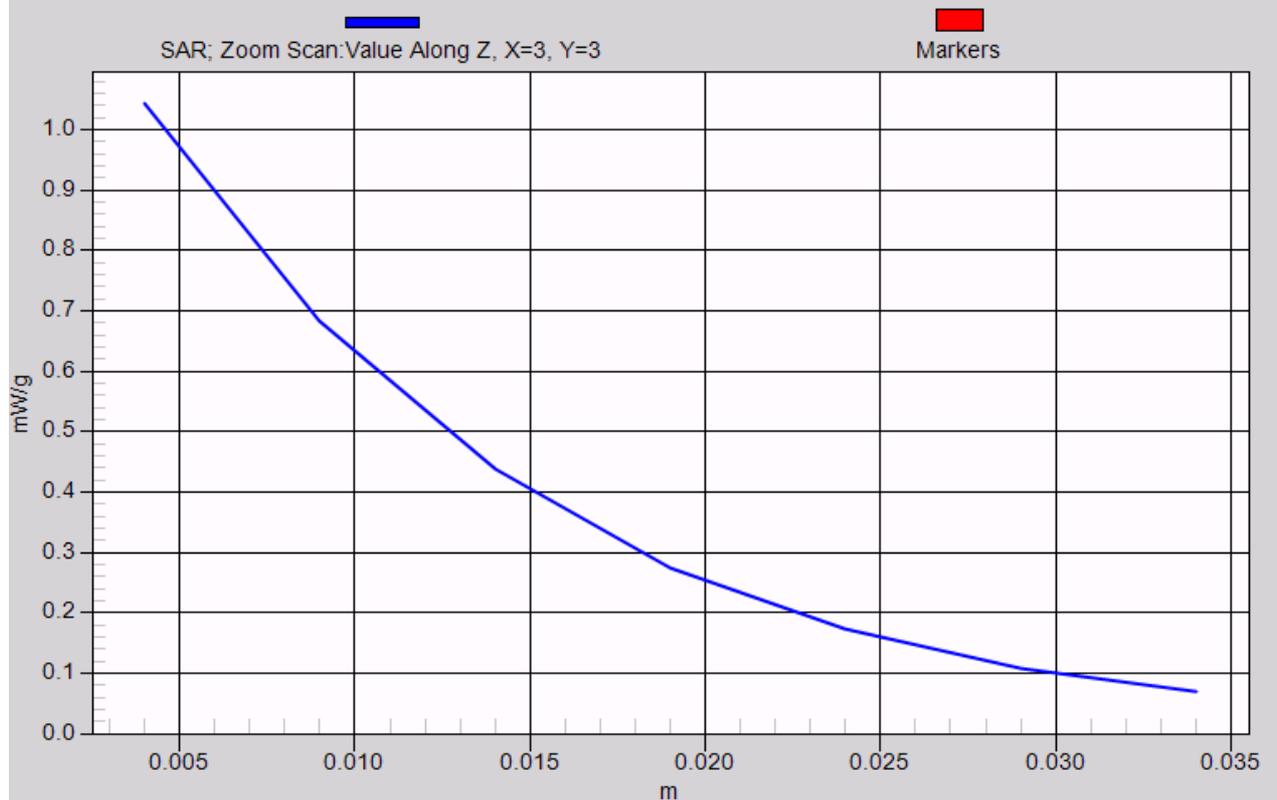
E1815 Front side (2 timeslots) –EGPRS 1900 Channel 661





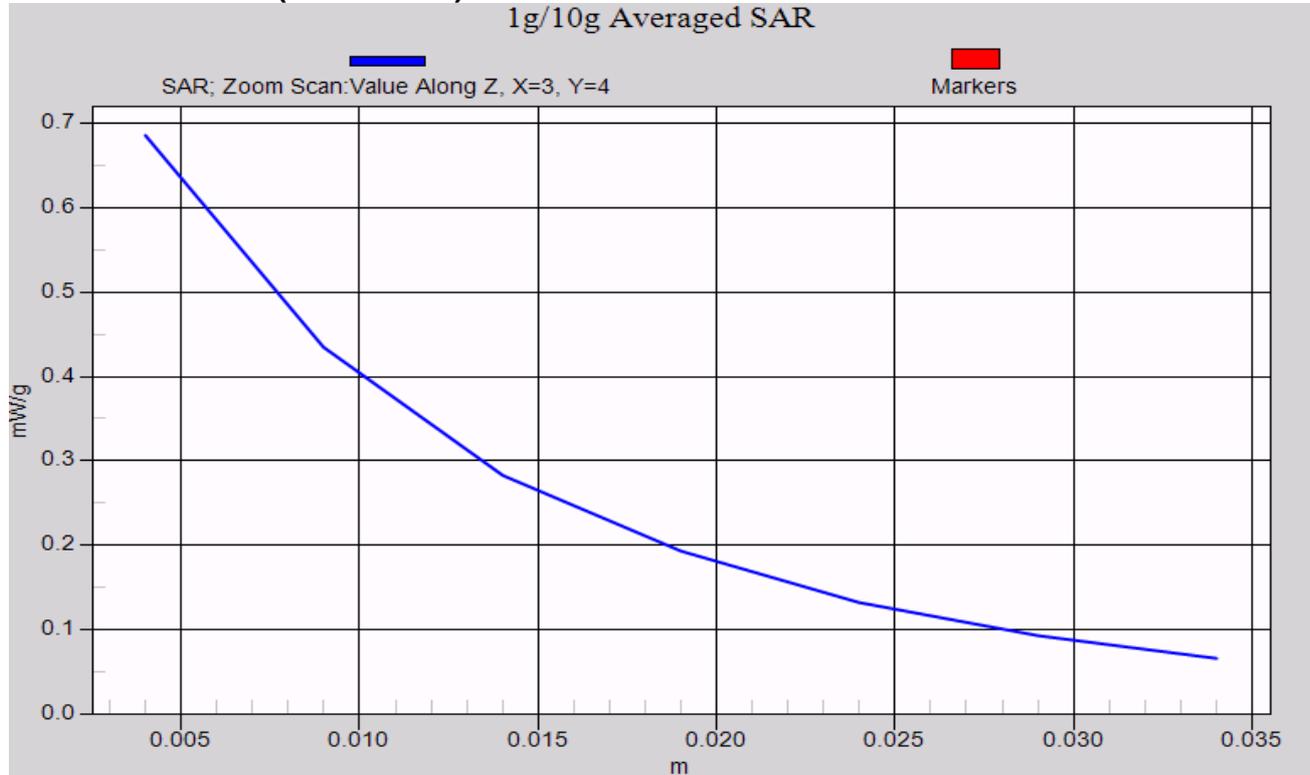
E1815 Front side (2 timeslots) –EGPRS 1900 Channel 512

1g/10g Averaged SAR

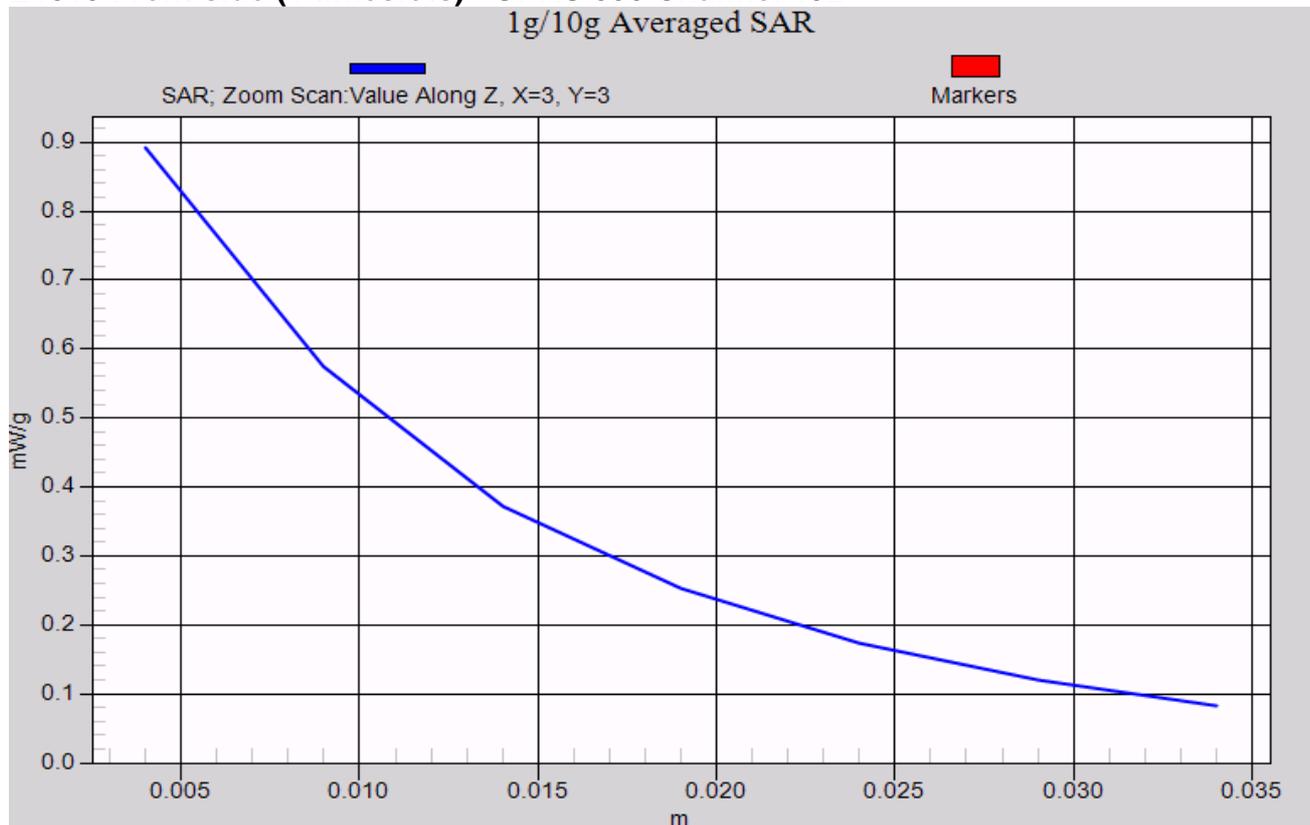


GSM 850

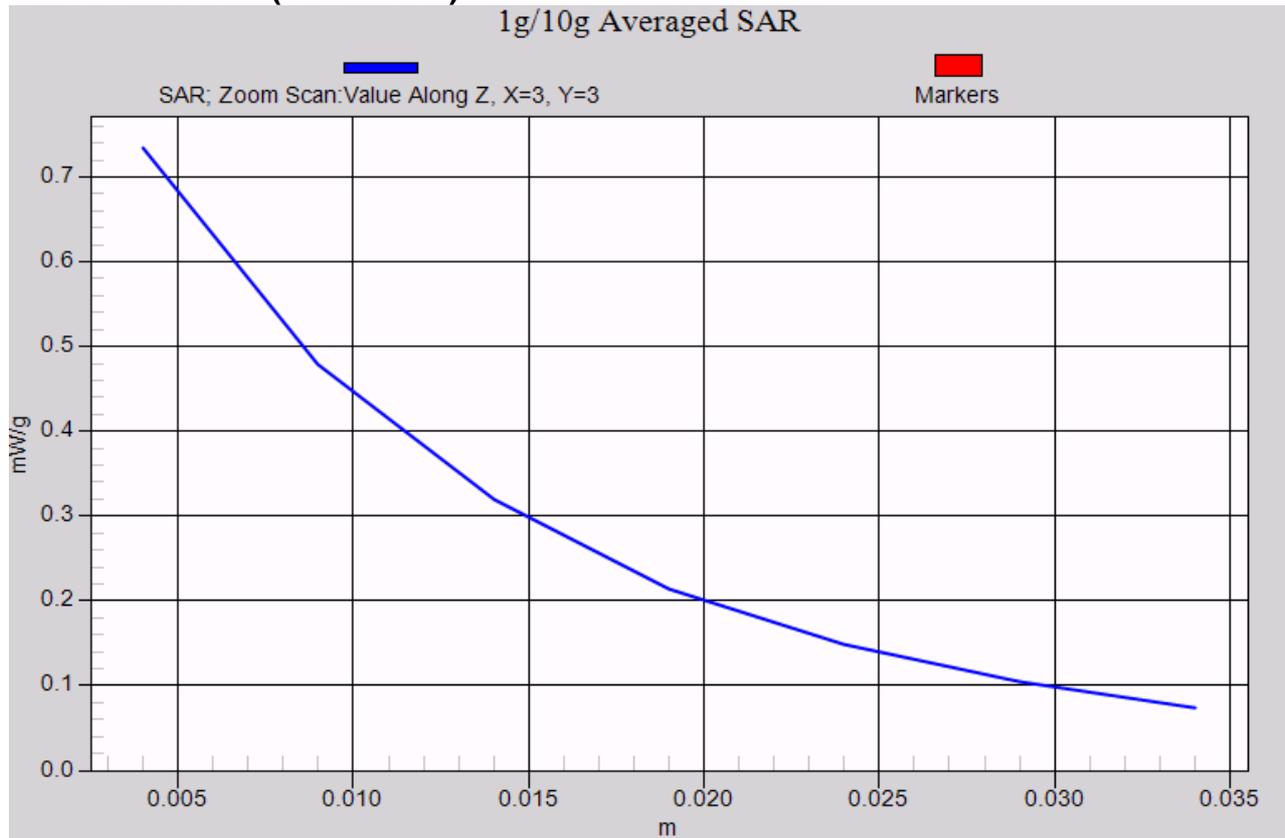
E1815 Front side (2 timeslots) –GPRS 850 Channel 192



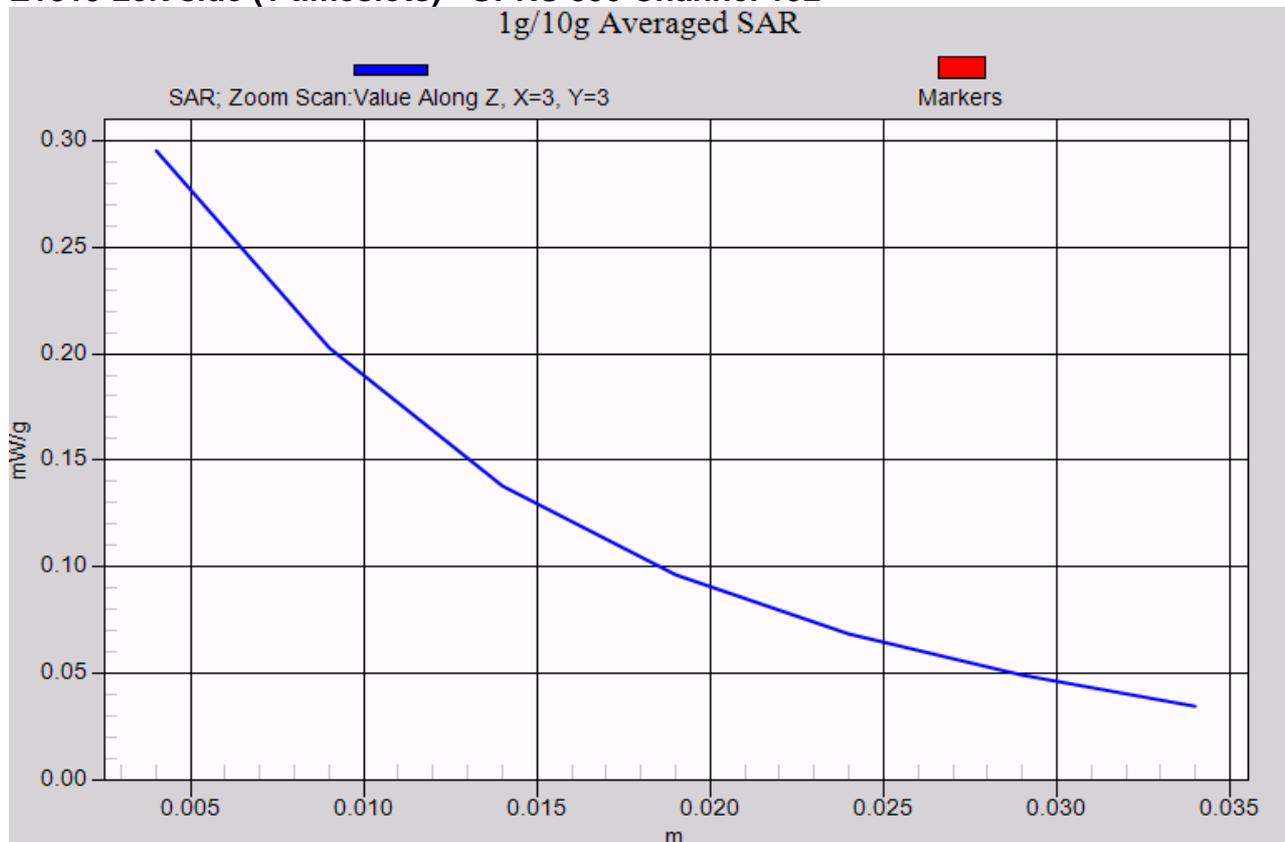
E1815 Front side (1 timeslots) –GPRS 850 Channel 192



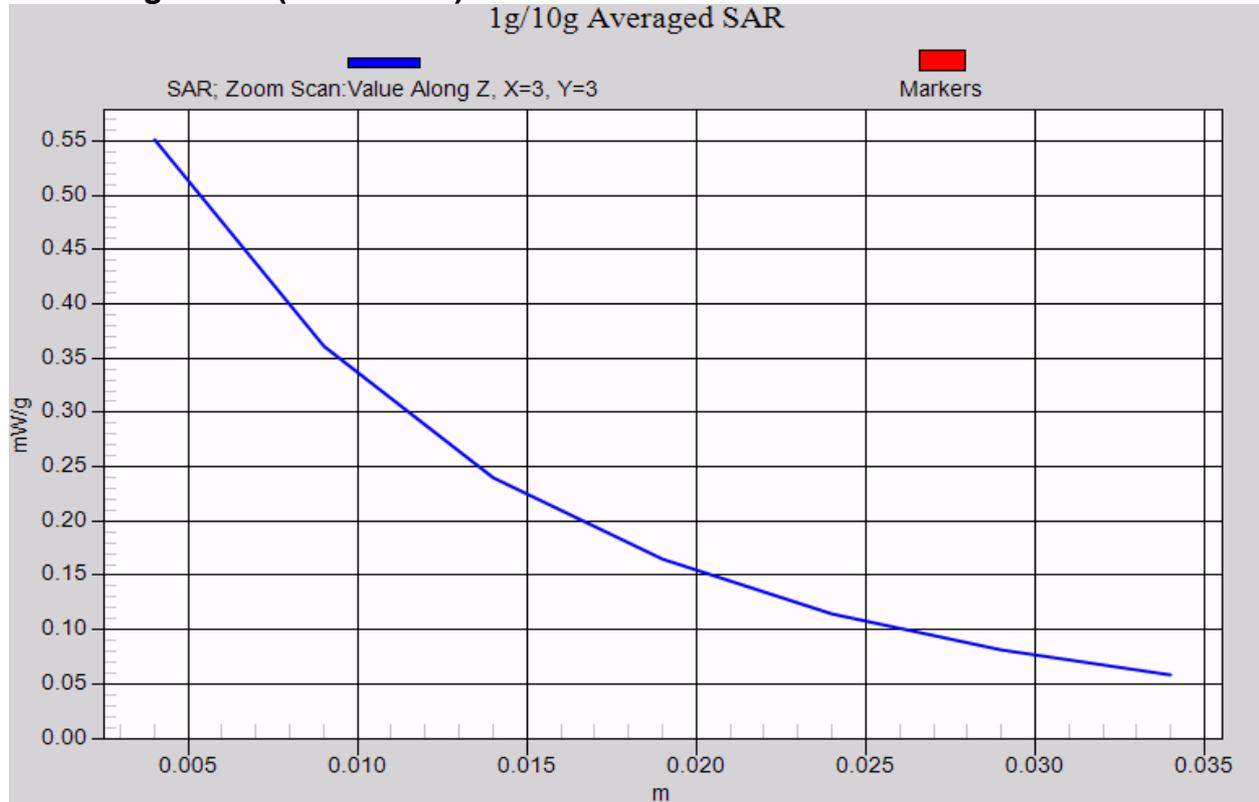
E1815 Back side (1 timeslots) –GPRS 850 Channel 192



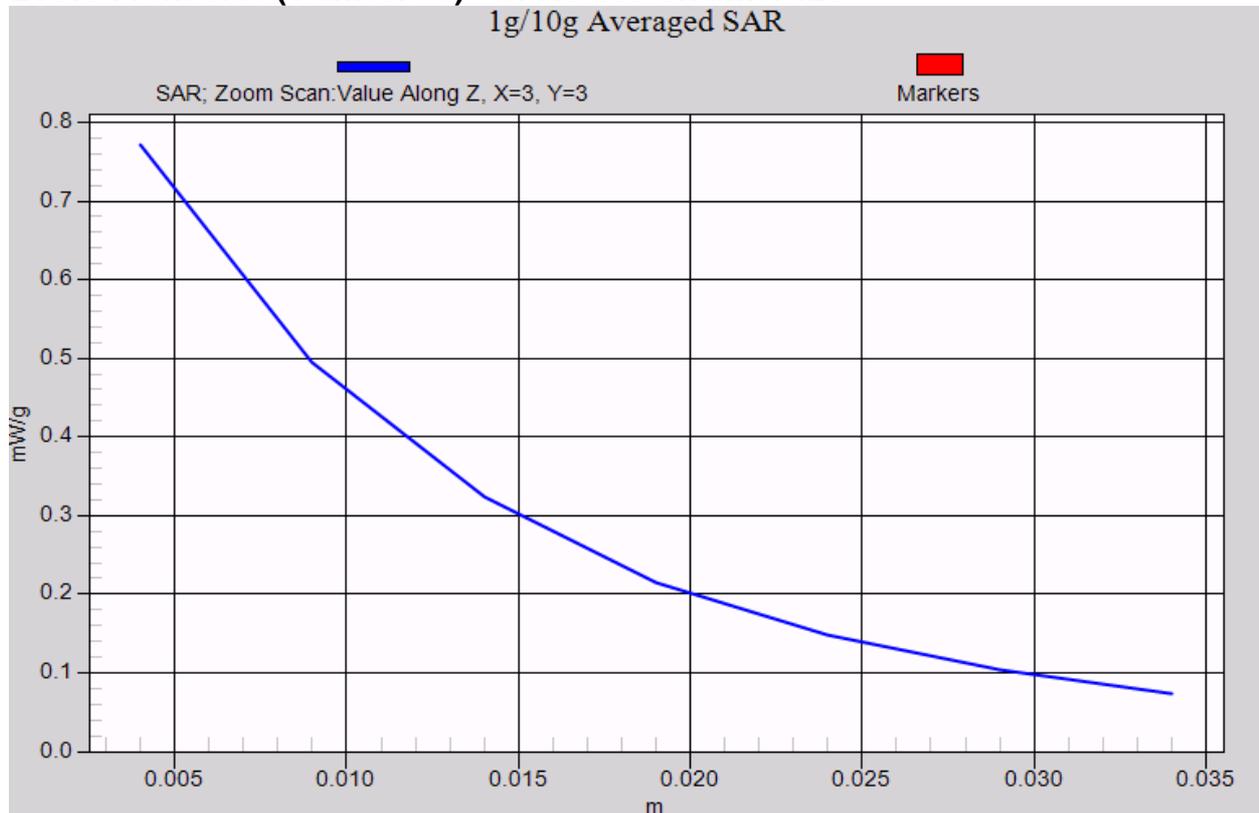
E1815 Left side (1 timeslots) –GPRS 850 Channel 192



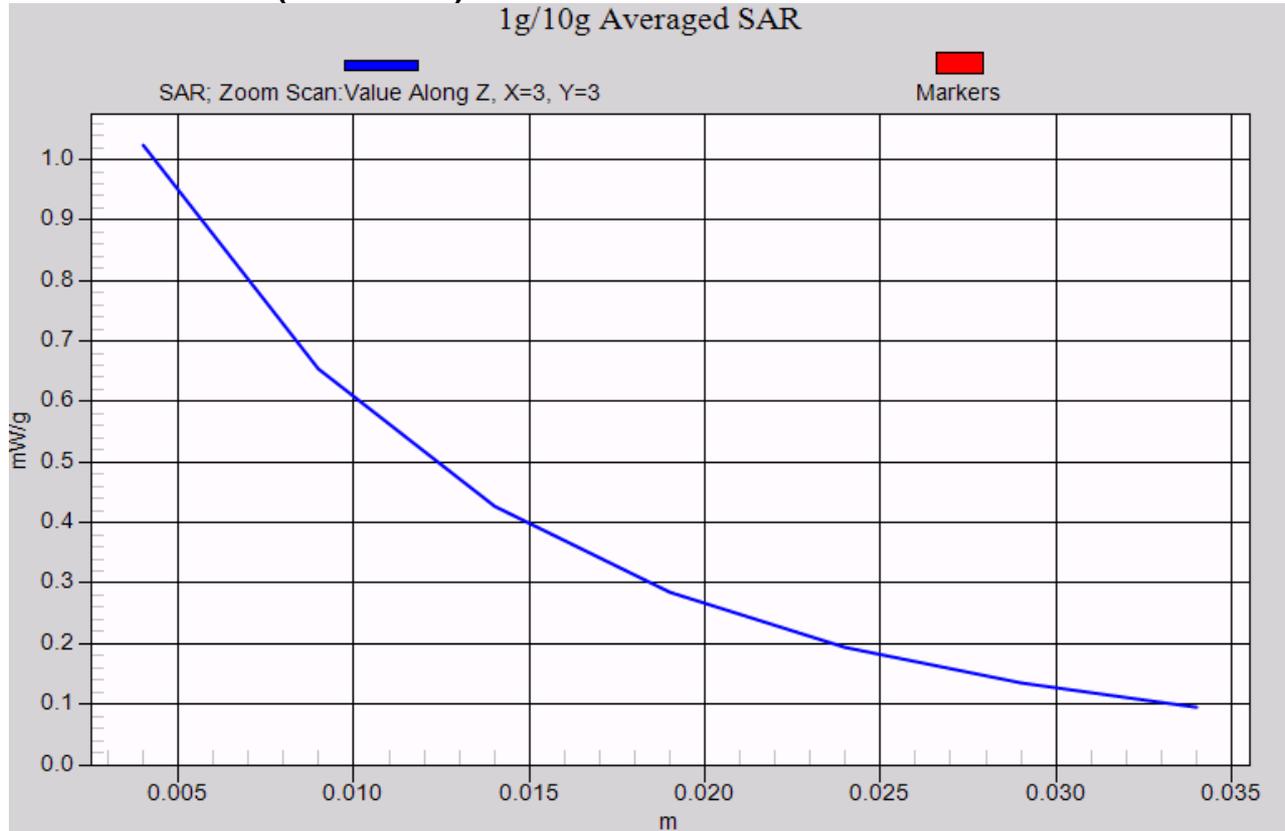
E1815 Right side (1 timeslots) –GPRS 850 Channel 192



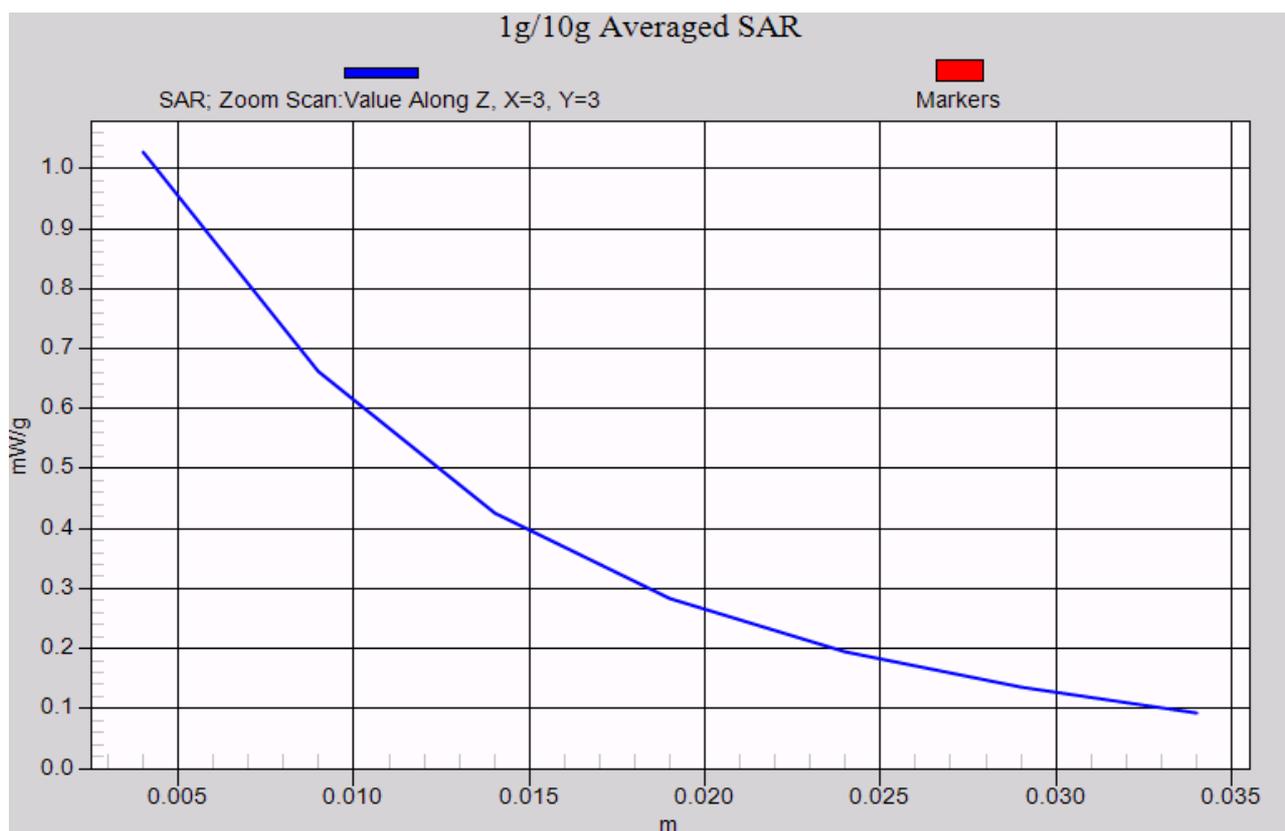
E1815 Front side (1 timeslots) –GPRS 850 Channel 128



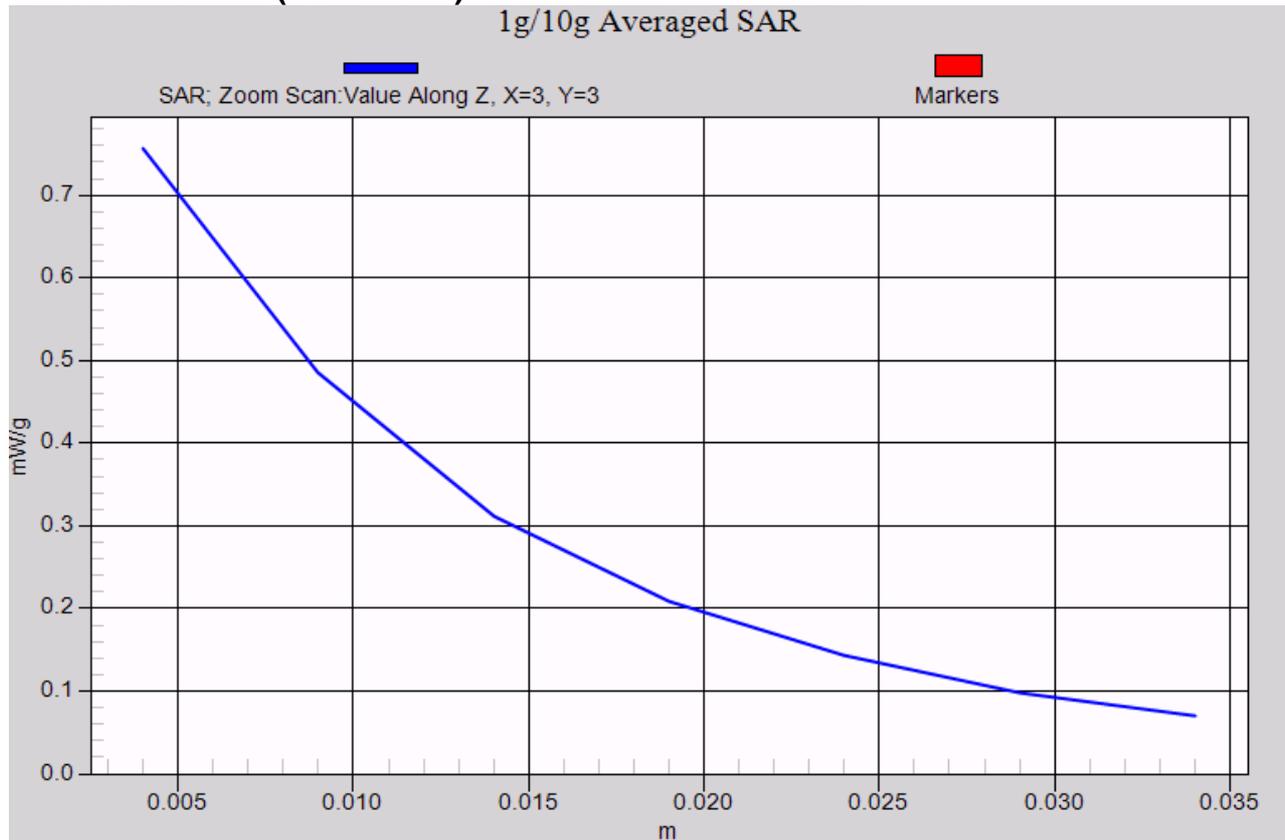
E1815 Front side (1 timeslots) –GPRS 850 Channel 251



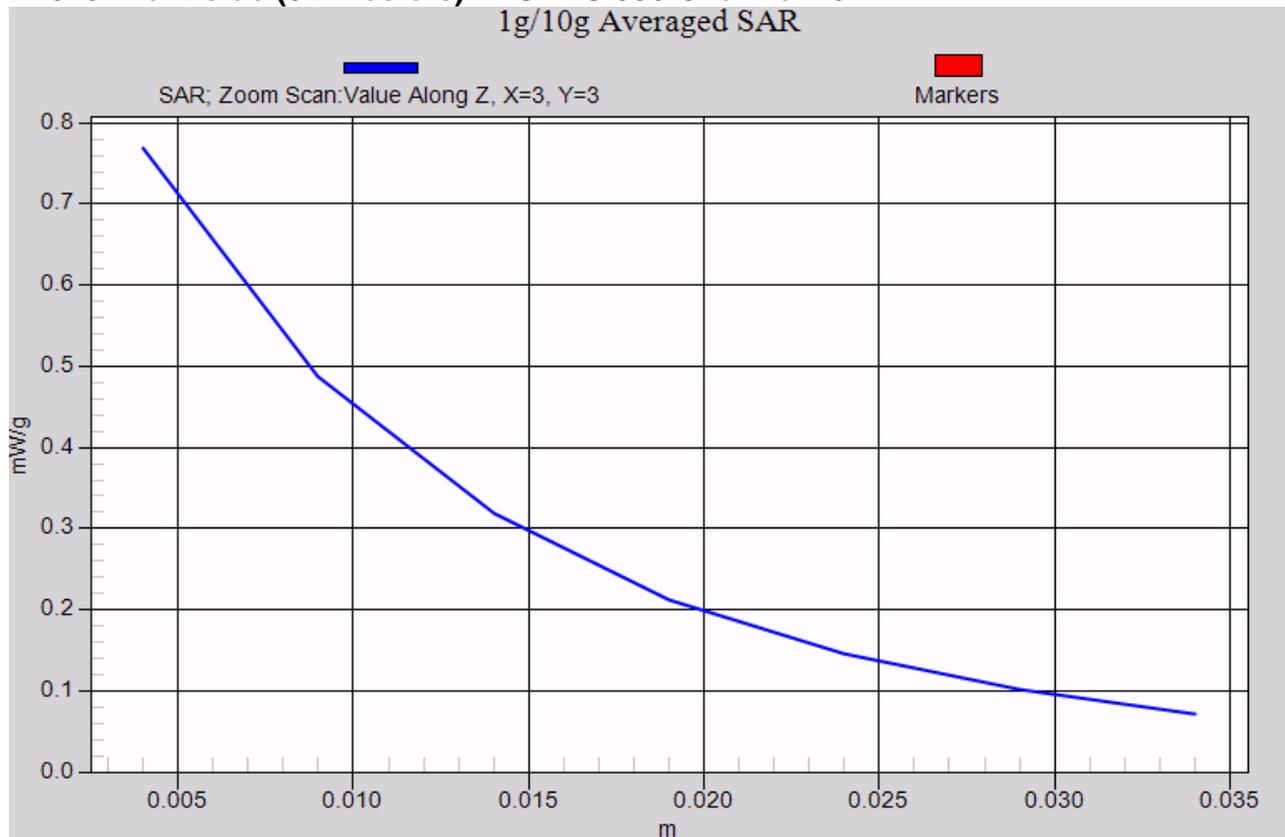
E1815 Front side (1 timeslots) –EGPRS 850 Channel 251



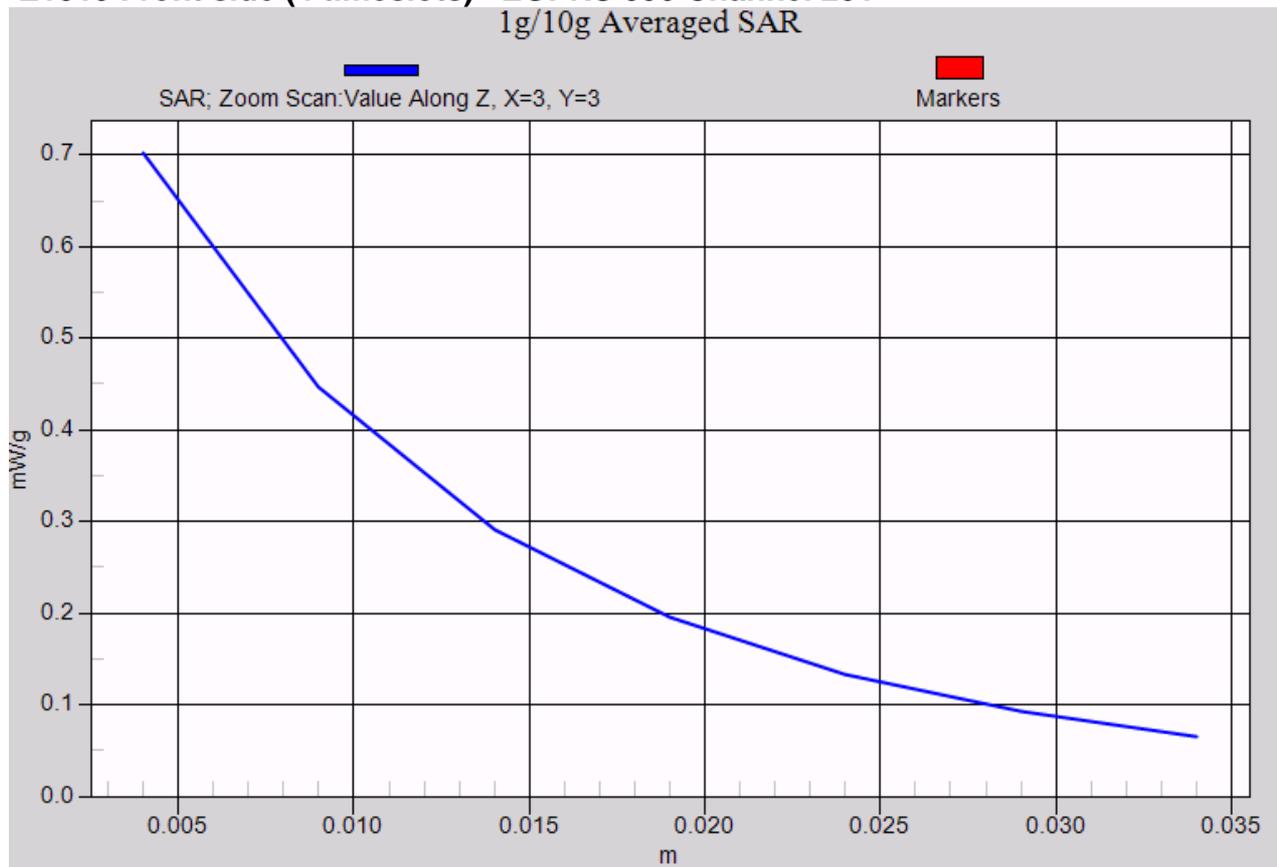
E1815 Front side (2 timeslots) –EGPRS 850 Channel 251



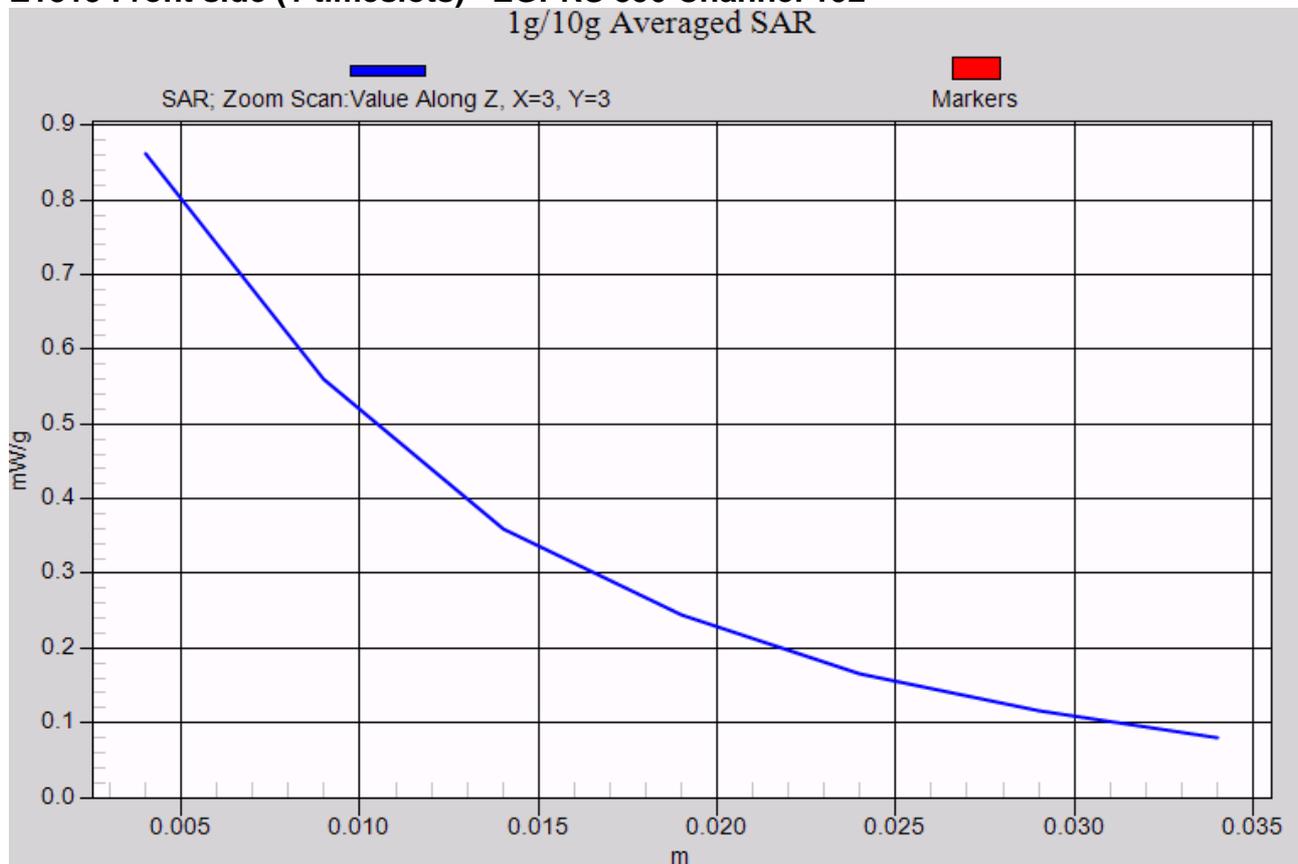
E1815 Front side (3 timeslots) –EGPRS 850 Channel 251



E1815 Front side (4 timeslots) –EGPRS 850 Channel 251
1g/10g Averaged SAR

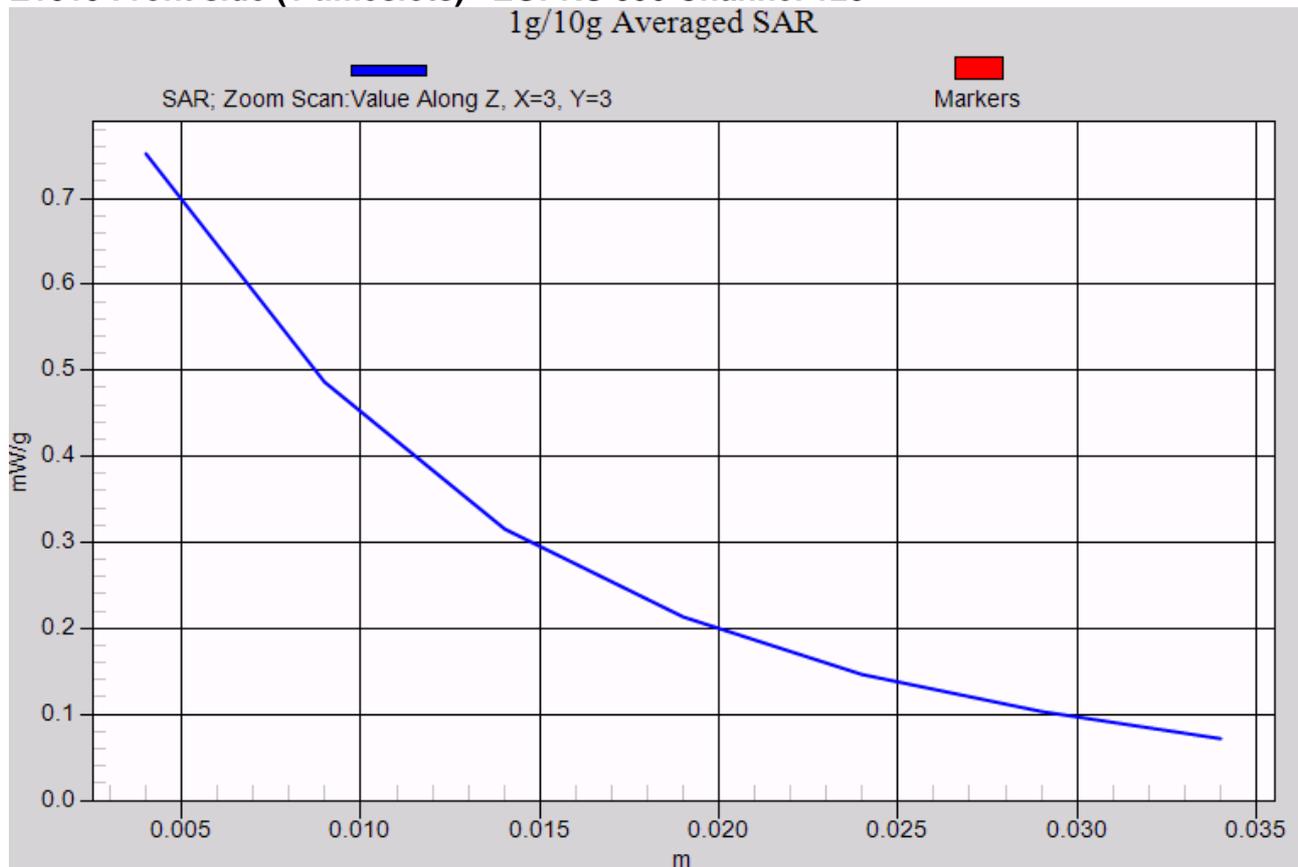


E1815 Front side (1 timeslots) –EGPRS 850 Channel 192
1g/10g Averaged SAR



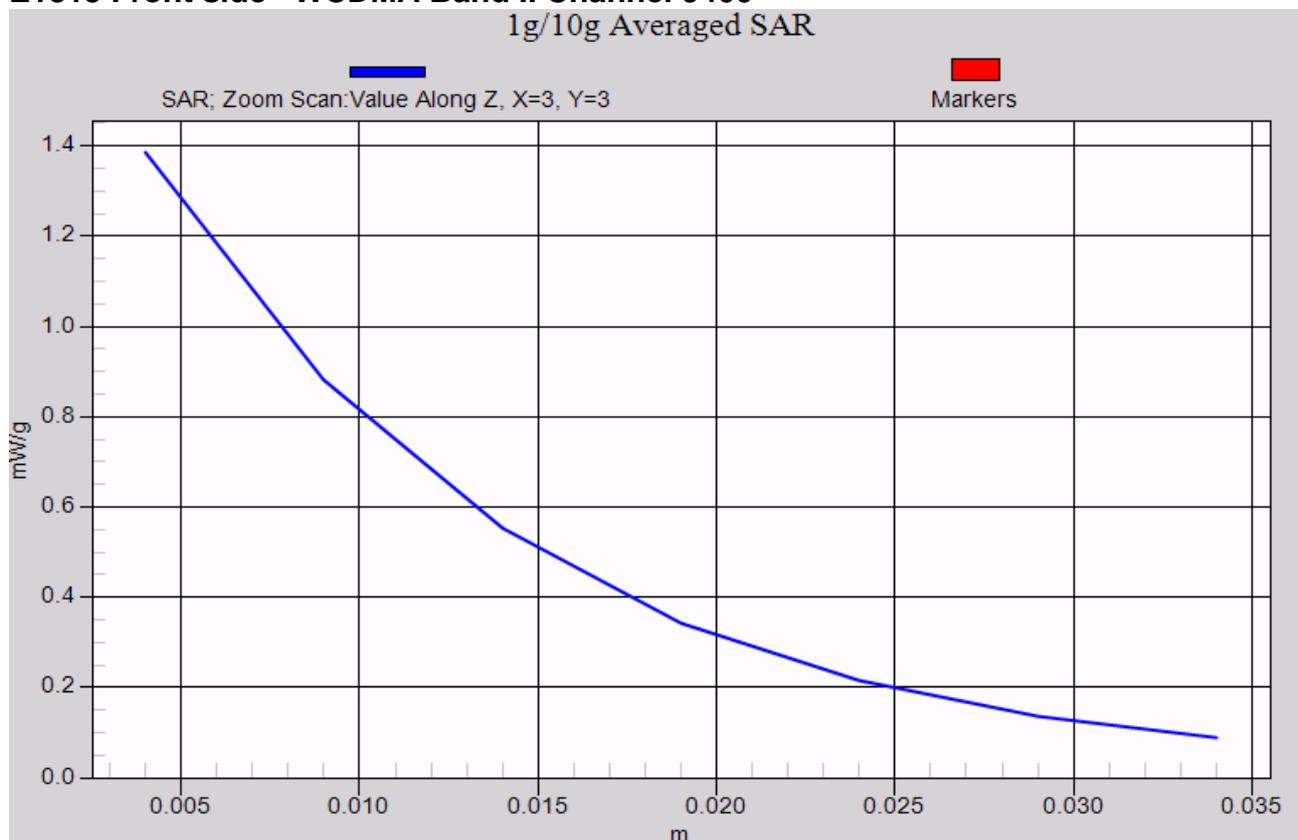


E1815 Front side (1 timeslots) –EGPRS 850 Channel 128
1g/10g Averaged SAR

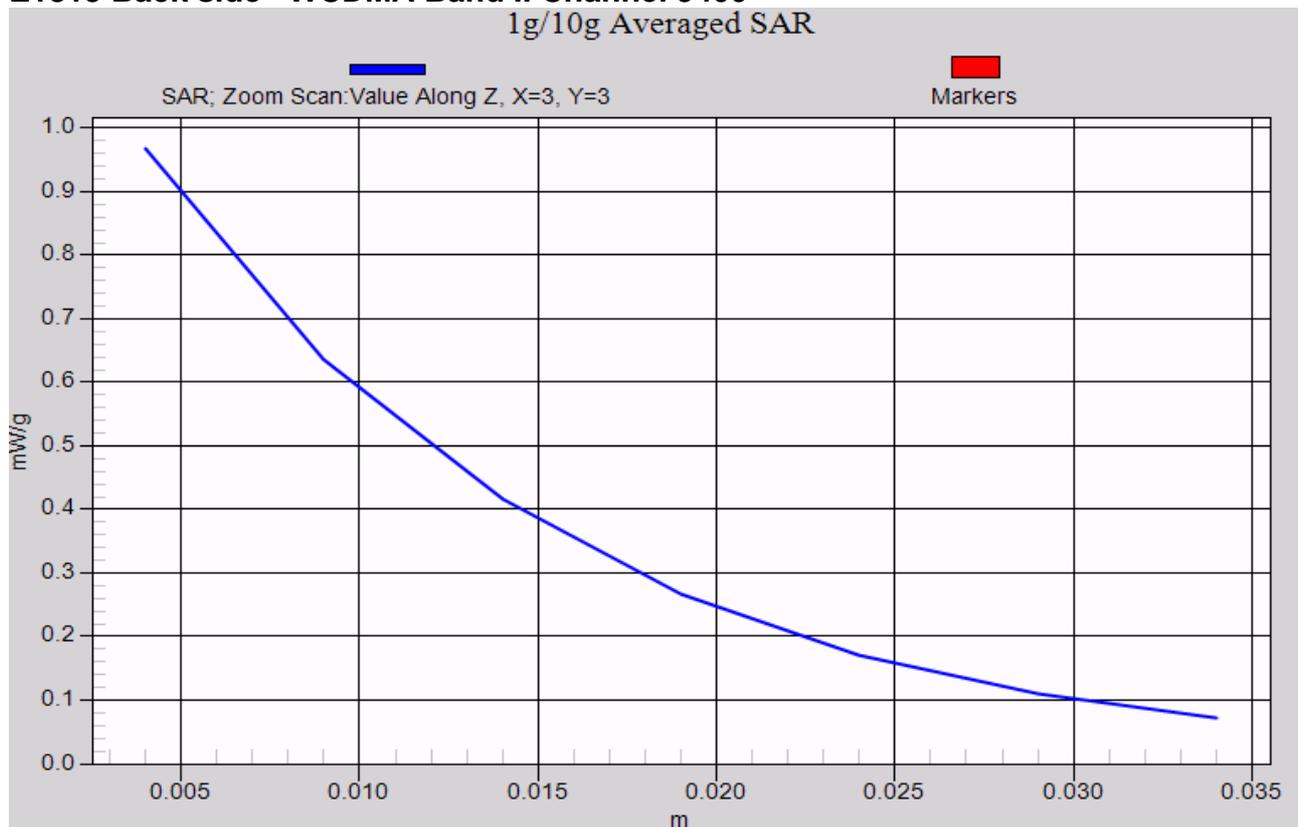


WCDMA Band II

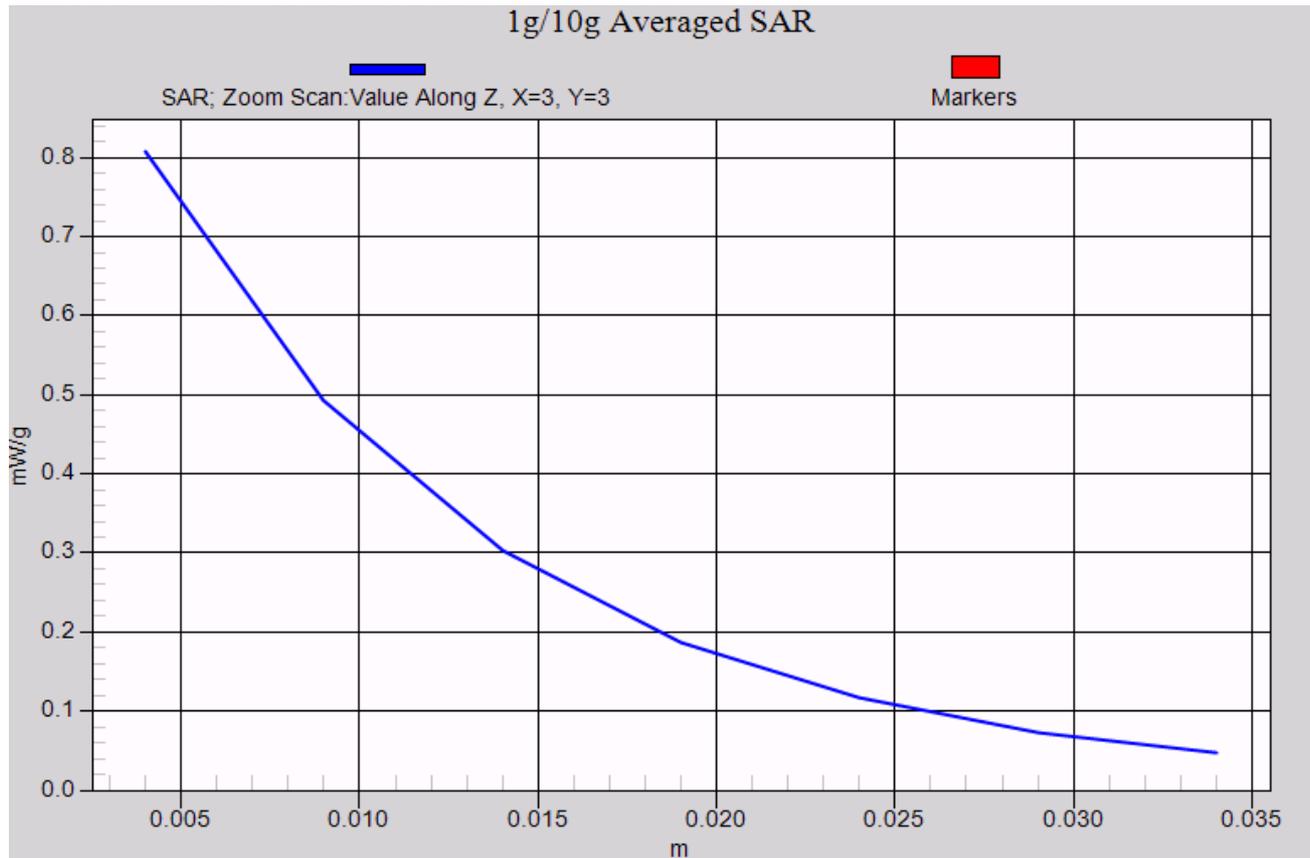
E1815 Front side –WCDMA Band II Channel 9400



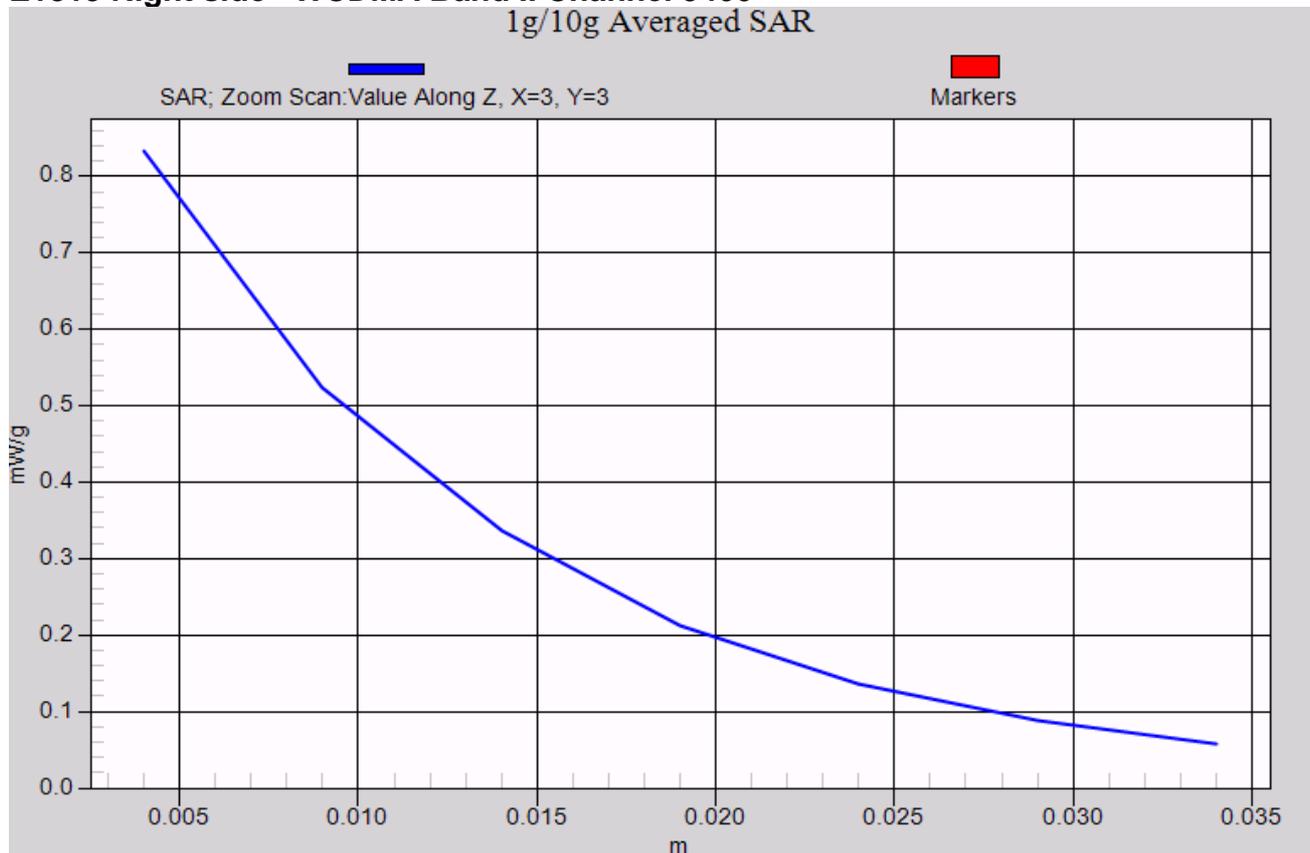
E1815 Back side –WCDMA Band II Channel 9400



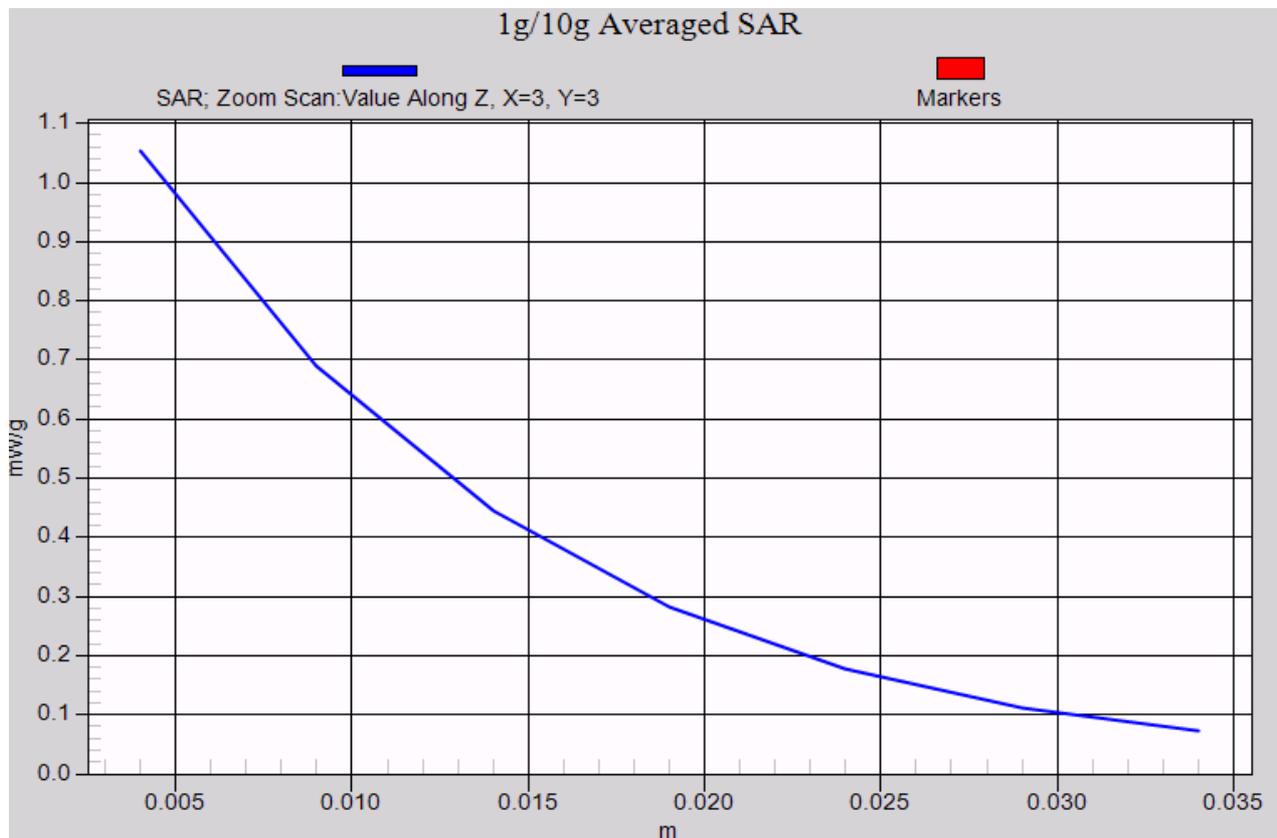
E1815 Left side –WCDMA Band II Channel 9400



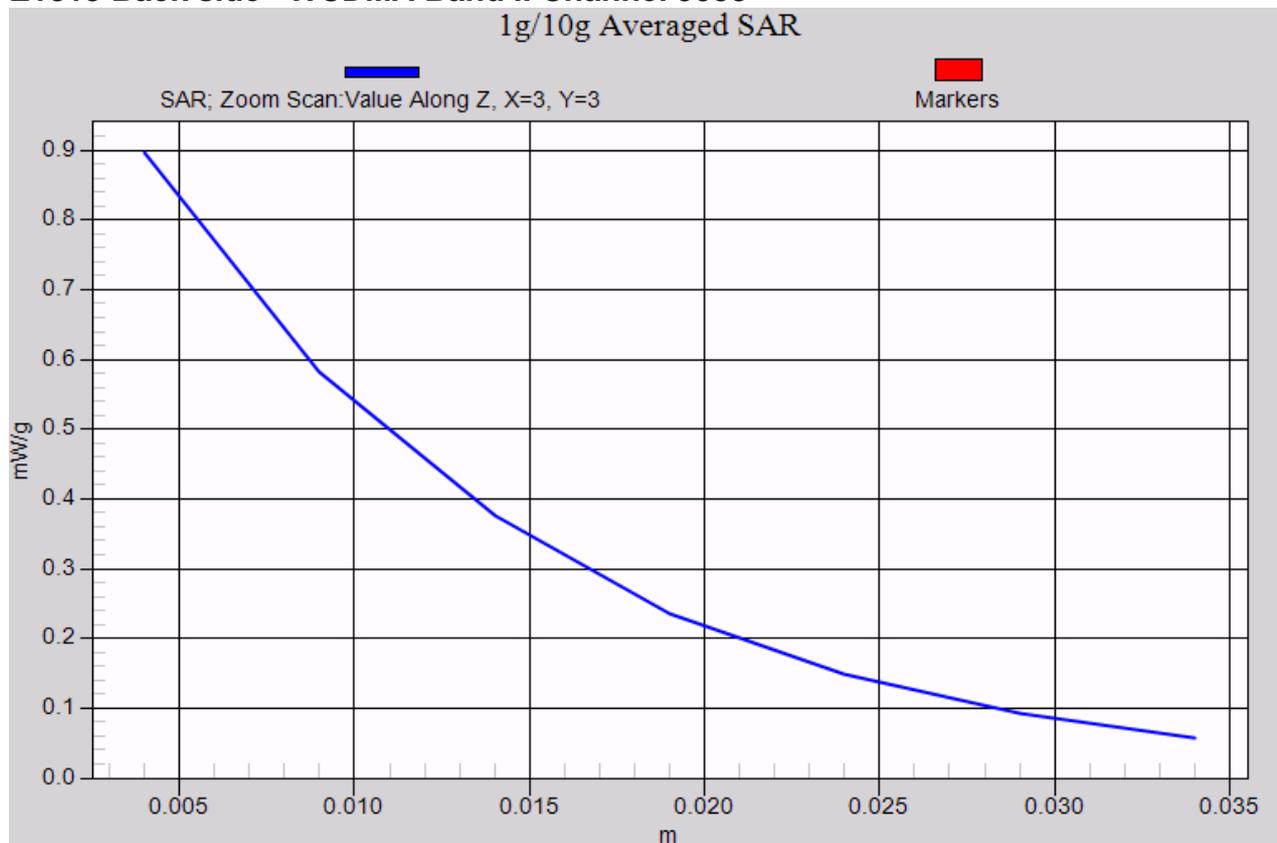
E1815 Right side –WCDMA Band II Channel 9400



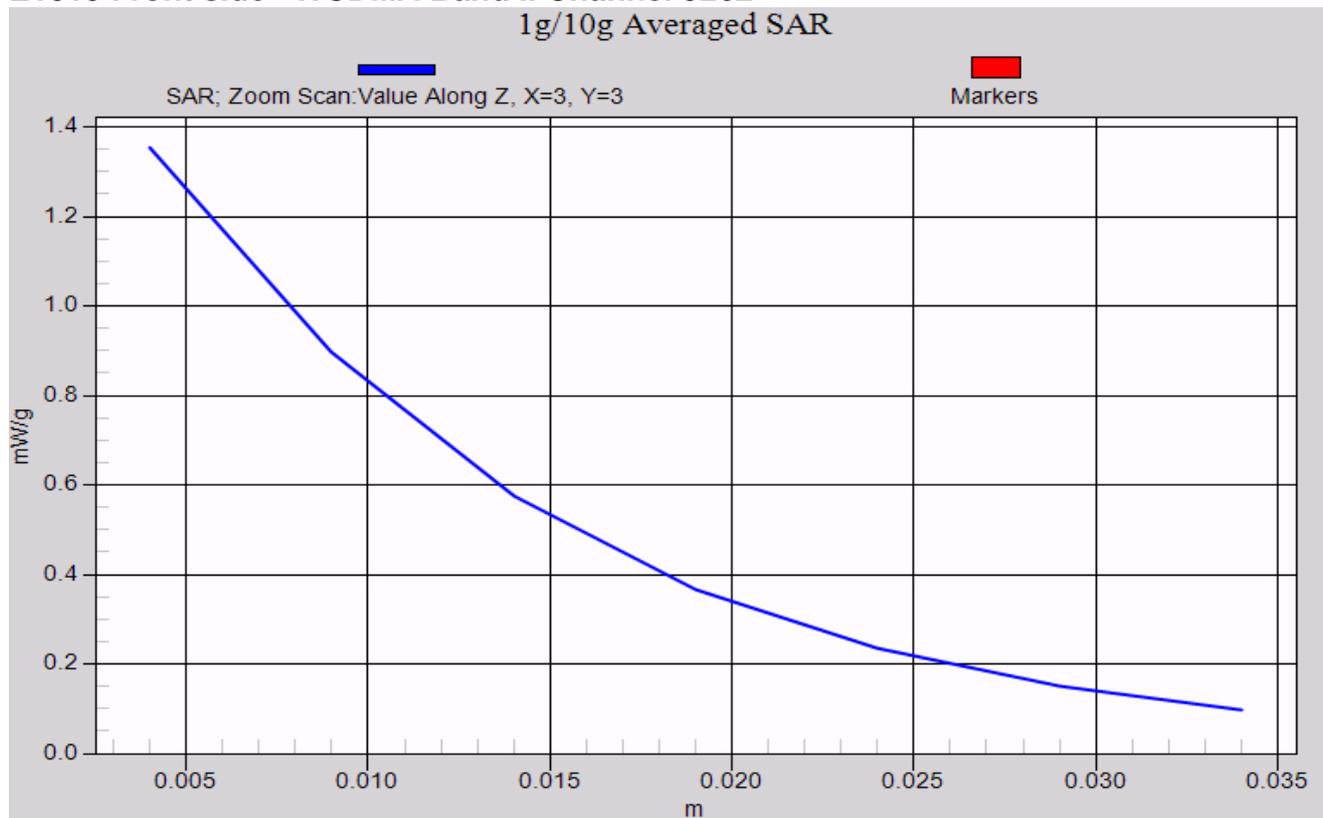
E1815 Back side –WCDMA Band II Channel 9262



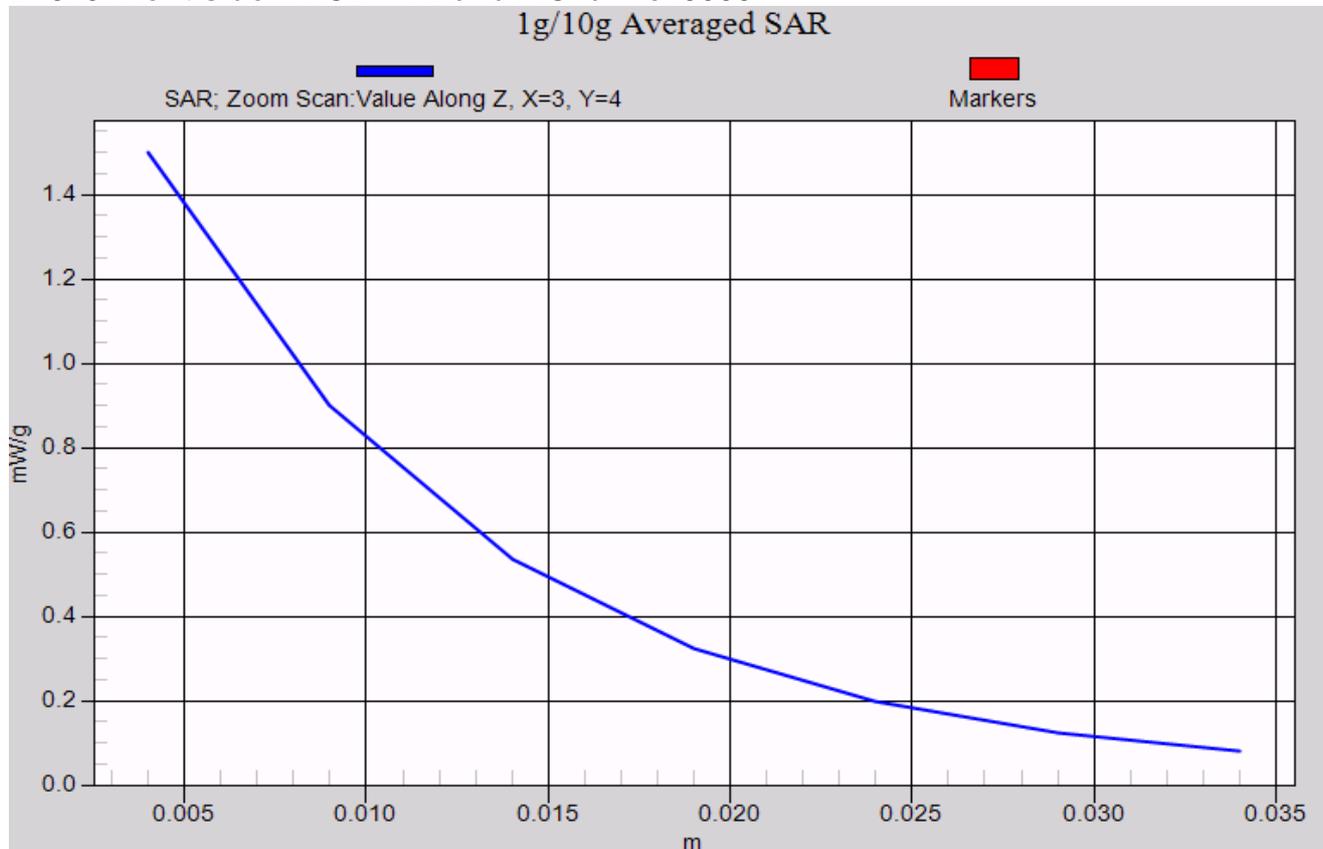
E1815 Back side –WCDMA Band II Channel 9538



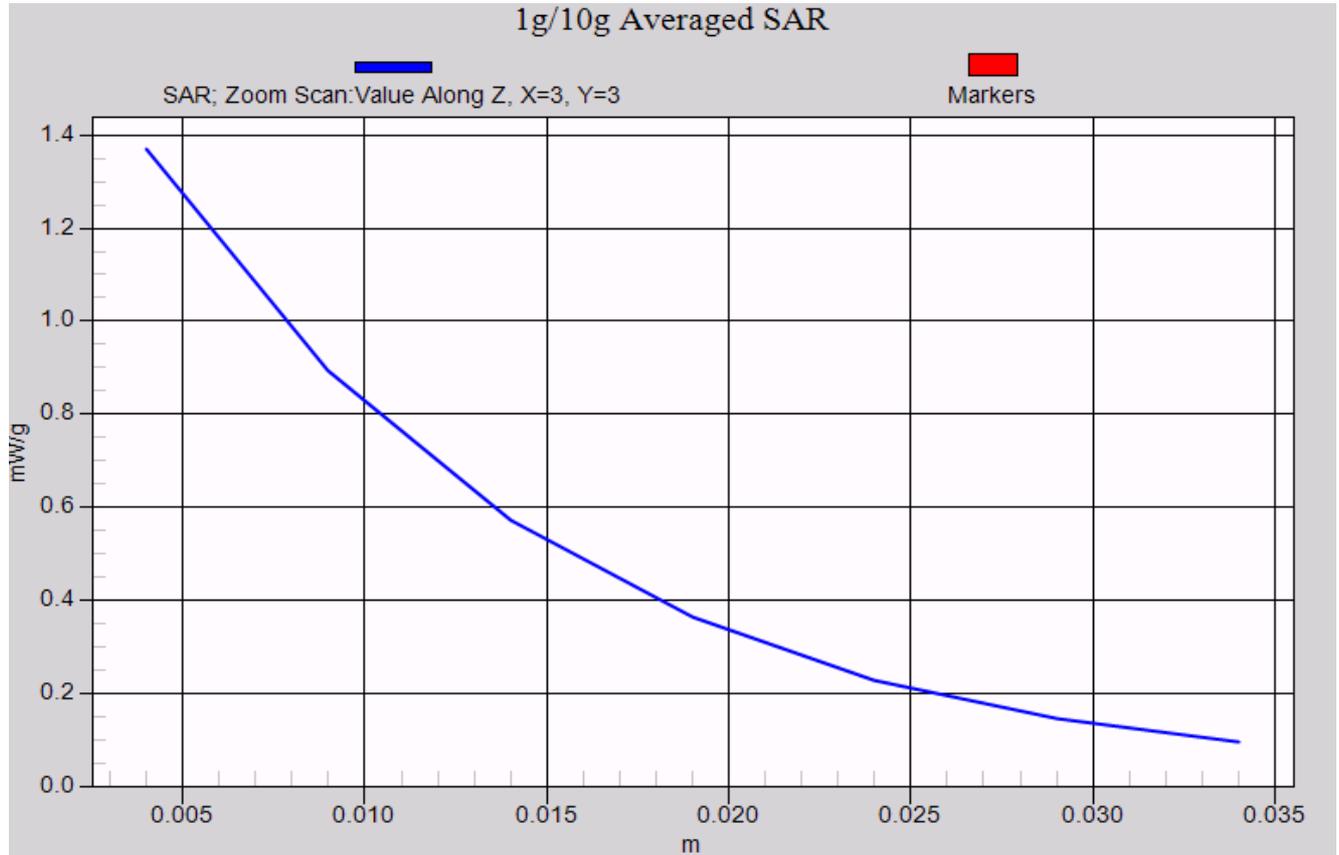
E1815 Front side –WCDMA Band II Channel 9262



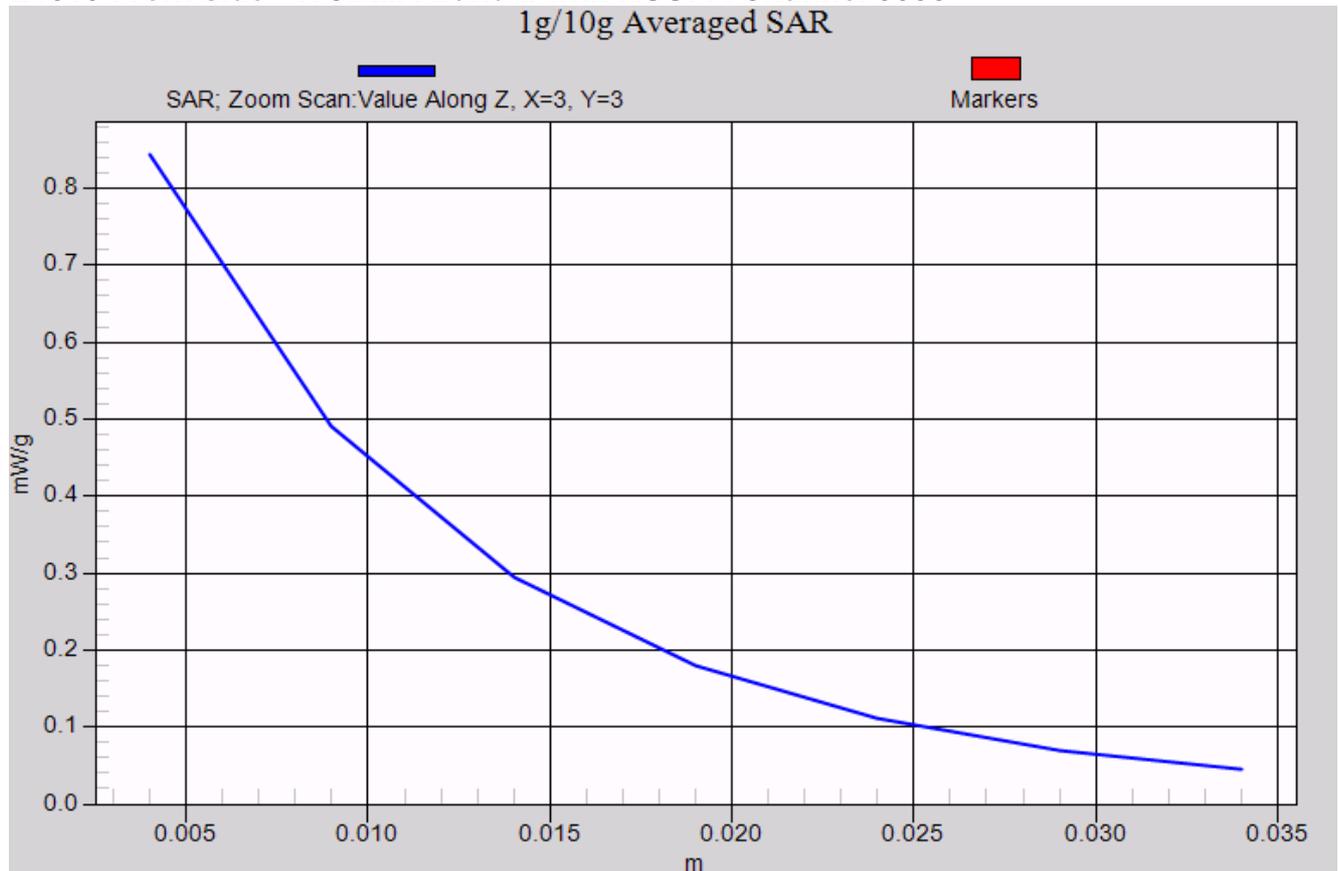
E1815 Front side –WCDMA Band II Channel 9538



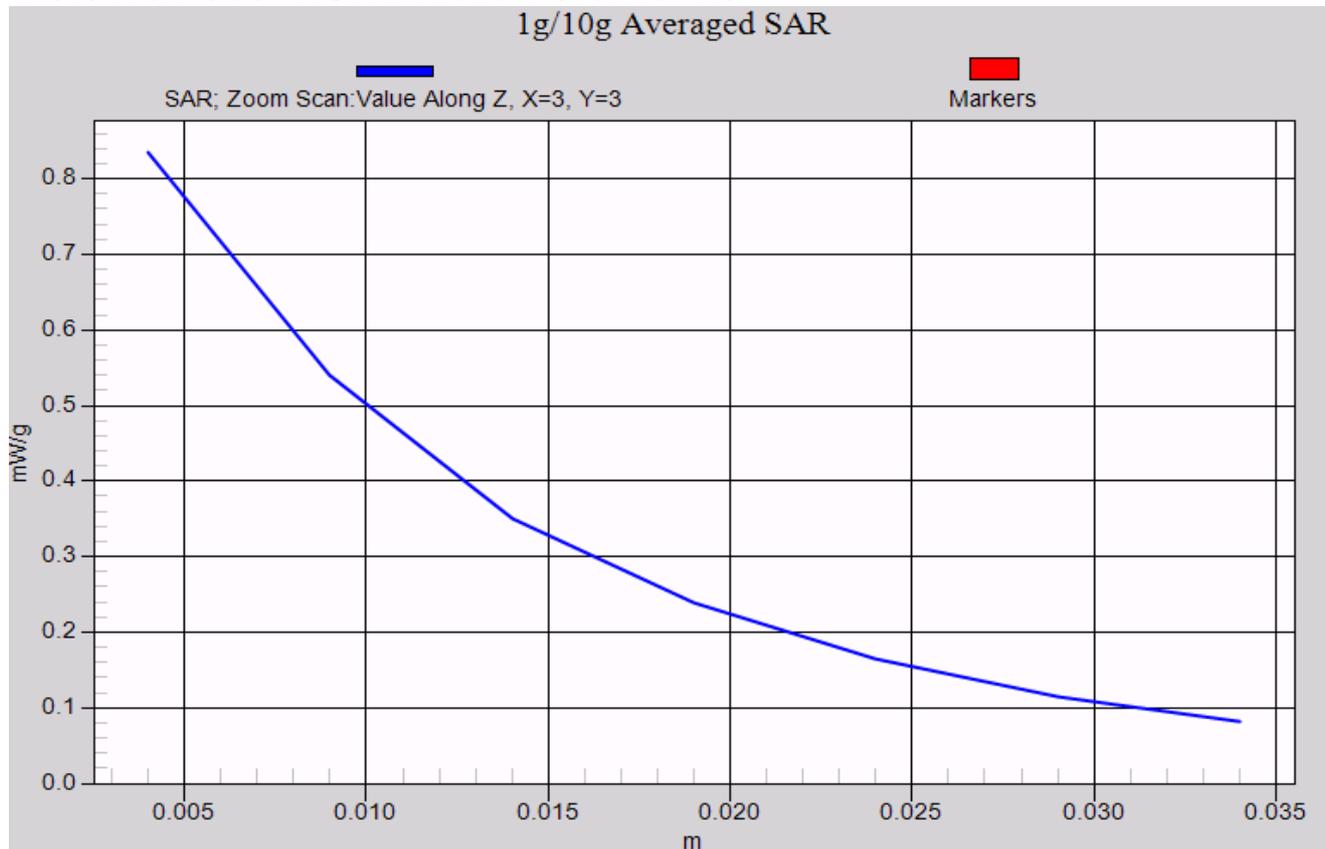
E1815 Front side –WCDMA Band II with HSDPA Channel 9538



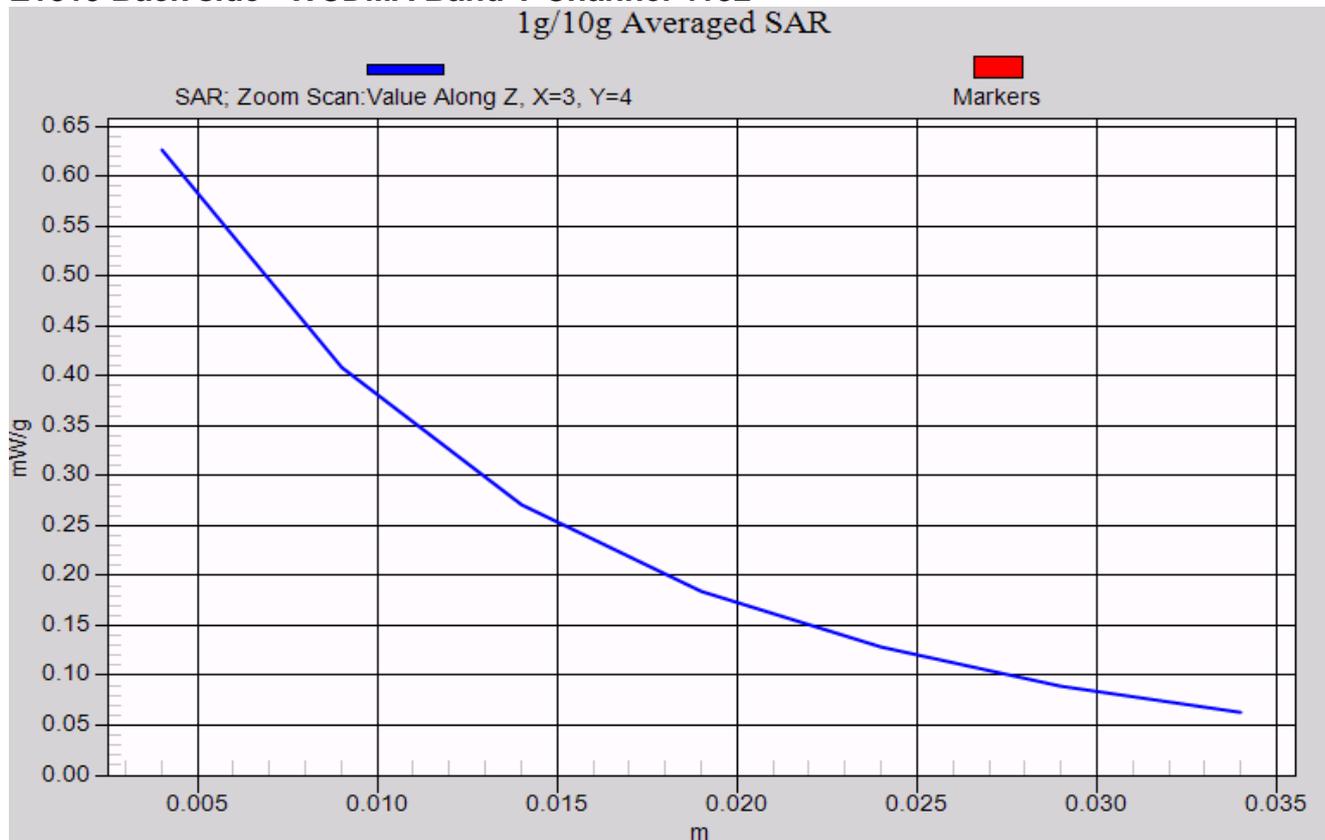
E1815 Front side –WCDMA Band II with HSUPA Channel 9538



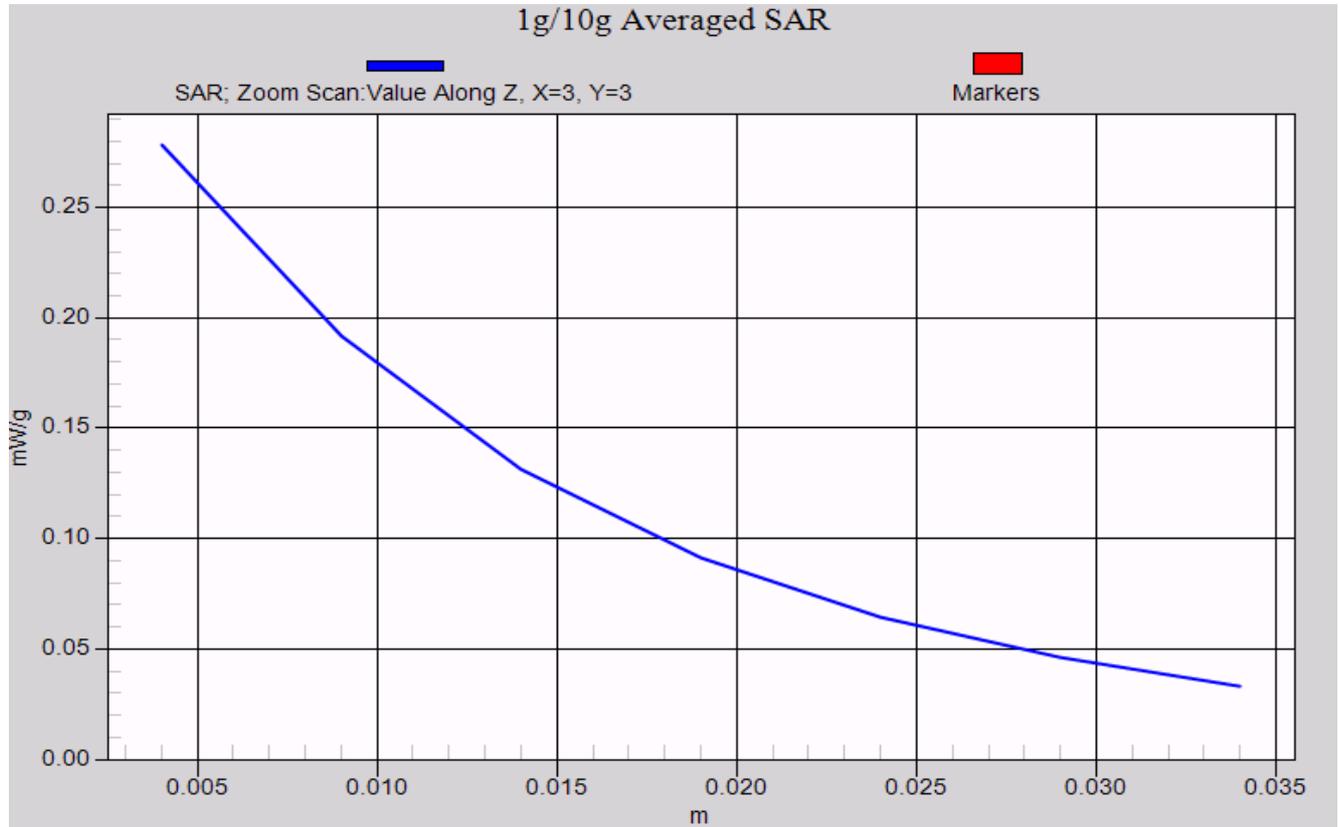
WCDMA Band V
E1815 Front side –WCDMA Band V Channel 4182



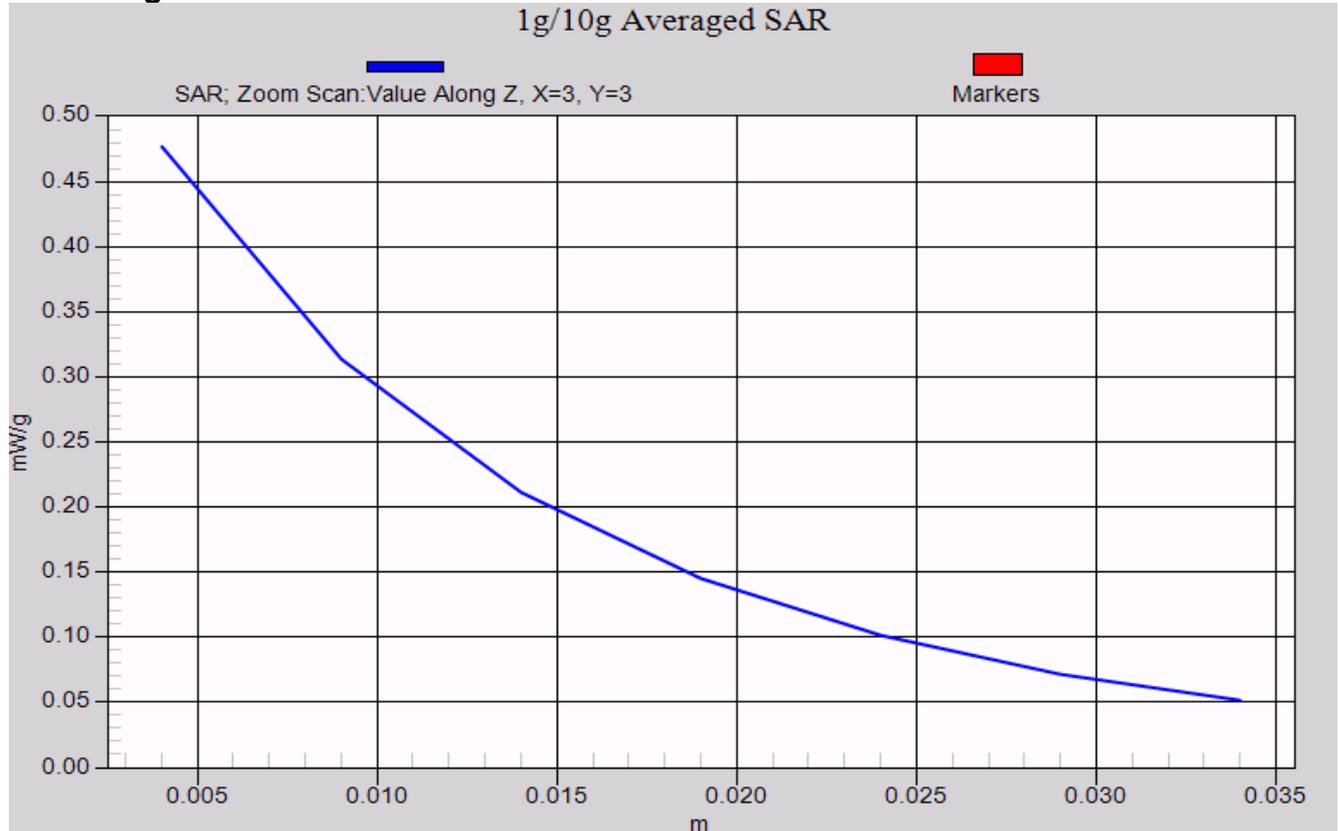
E1815 Back side –WCDMA Band V Channel 4182



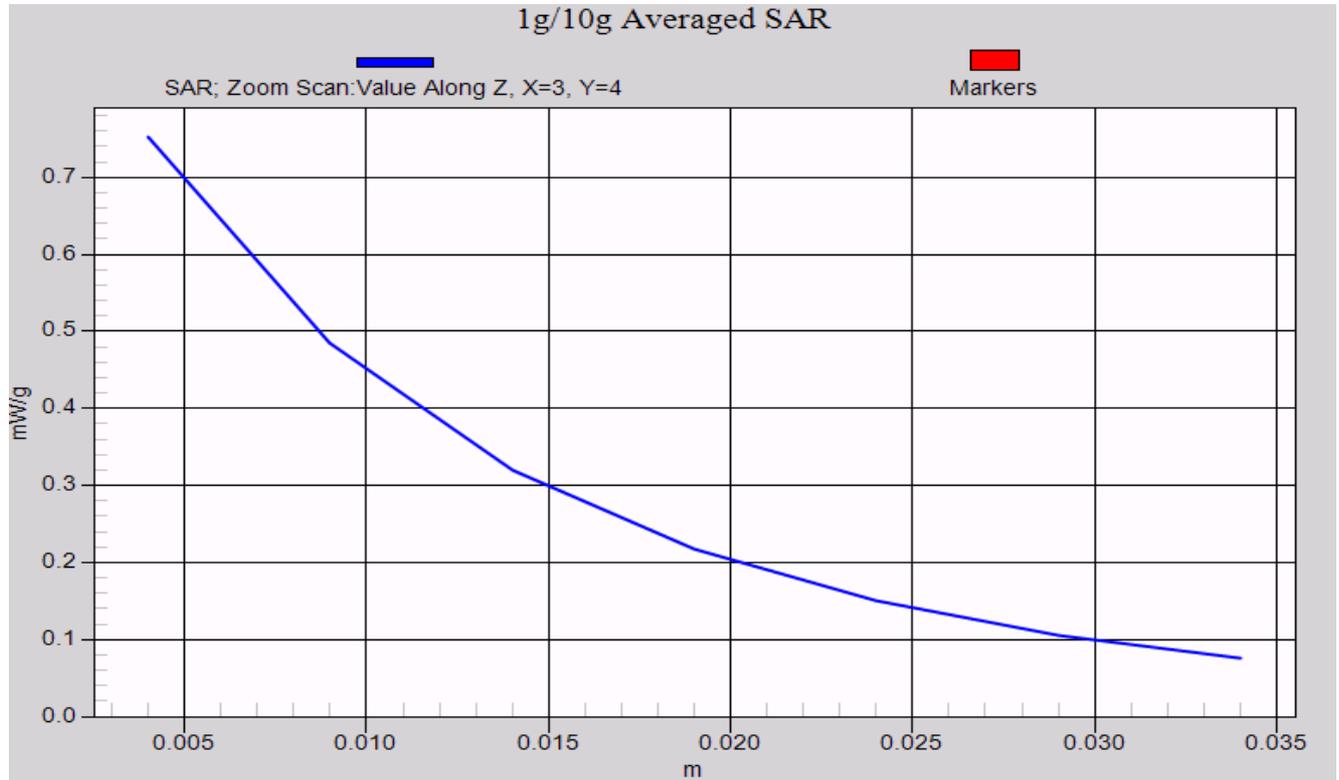
E1815 Left side –WCDMA Band V Channel 4182



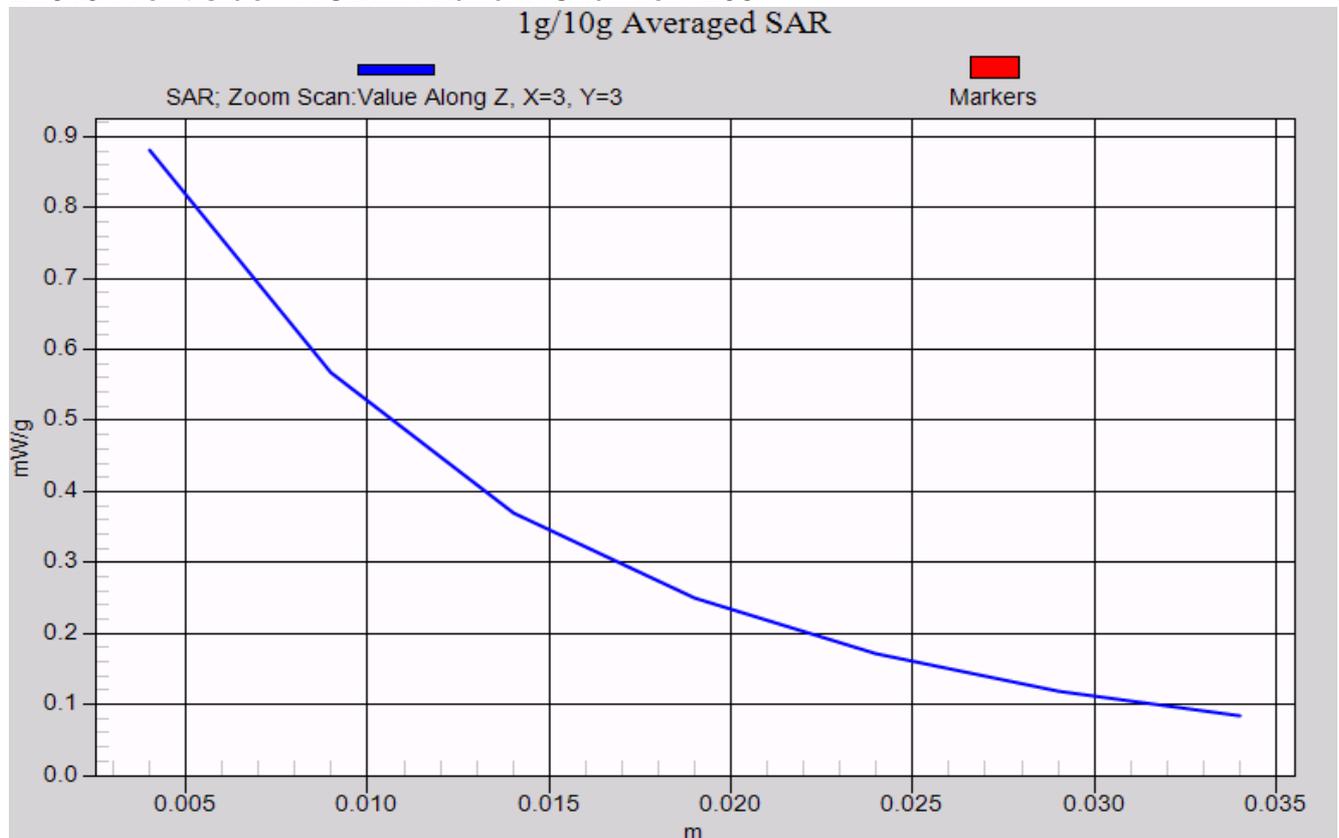
E1815 Right side –WCDMA Band V Channel 4182



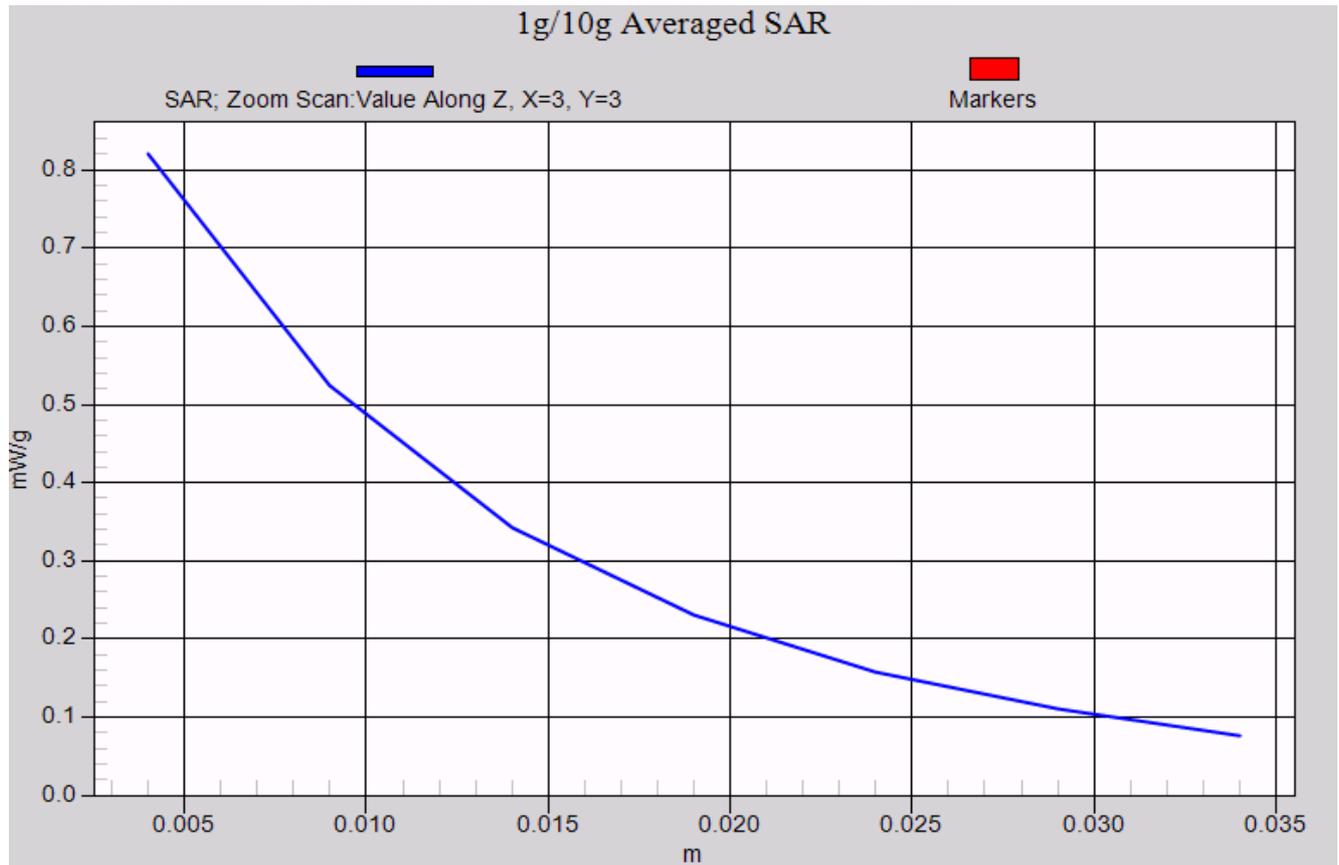
E1815 Front side –WCDMA Band V Channel 4132



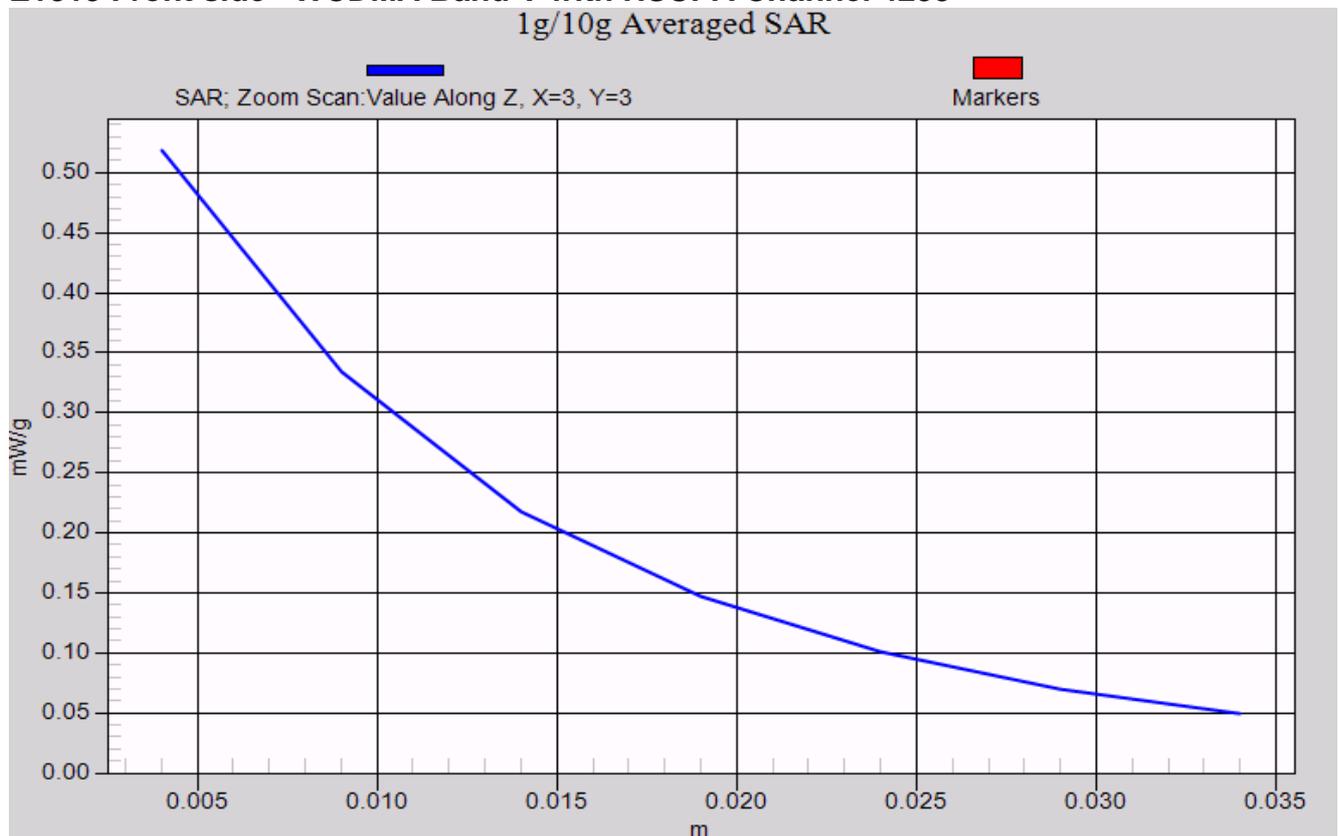
E1815 Front side –WCDMA Band V Channel 4233



E1815 Front side –WCDMA Band V with HSDPA Channel 4233



E1815 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)003072010
Calibration data, Phantom certificate
and detail information of the DASY5 System**

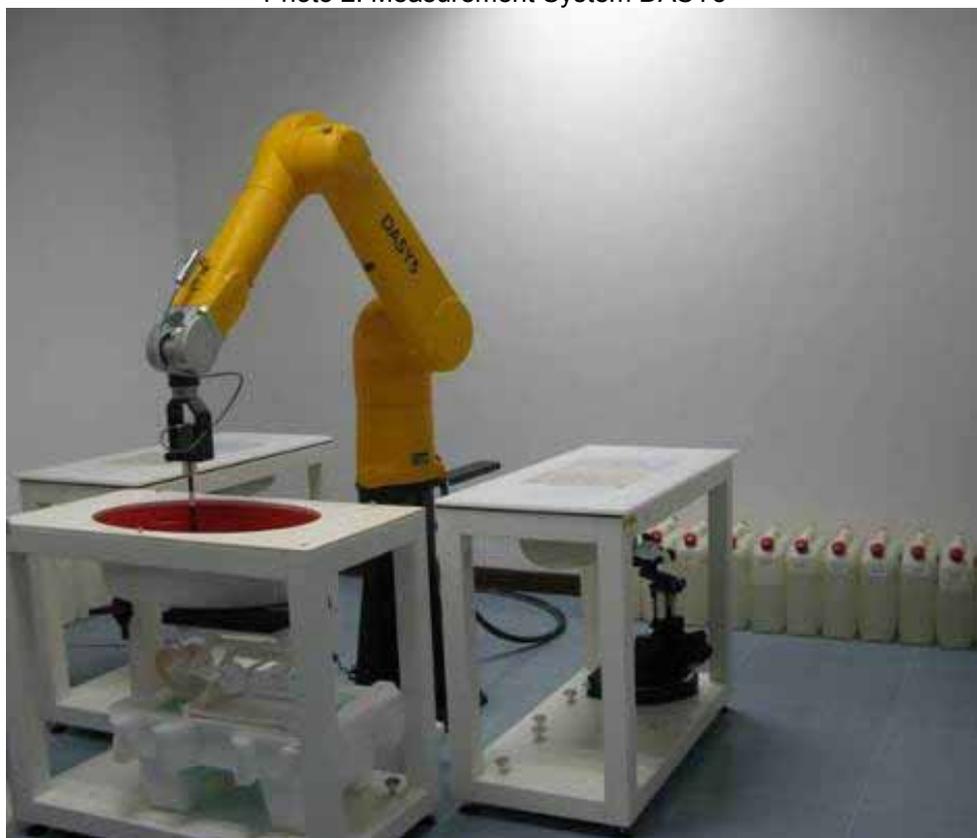
Annex 4 Photo documentation

Annex 4.1 Test Facility

Photo 1: Measurement System DASY5



Photo 2: Measurement System DASY5



Annex 4.2 Host Laptop Computer

Photo 3: Lenovo THINKAPAD T61



Photo 4: Lenovo THINKAPAD X301

