

Date/Time: 2010-11-13 06:55:41

P1528_OET65_EN62209- towards ground- GSM1900 with Headset High

DUT: HUAWEI U7520-7/U7520-7

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1909.8 MHz
 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section
 Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 2009-12-18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 2009-12-18
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

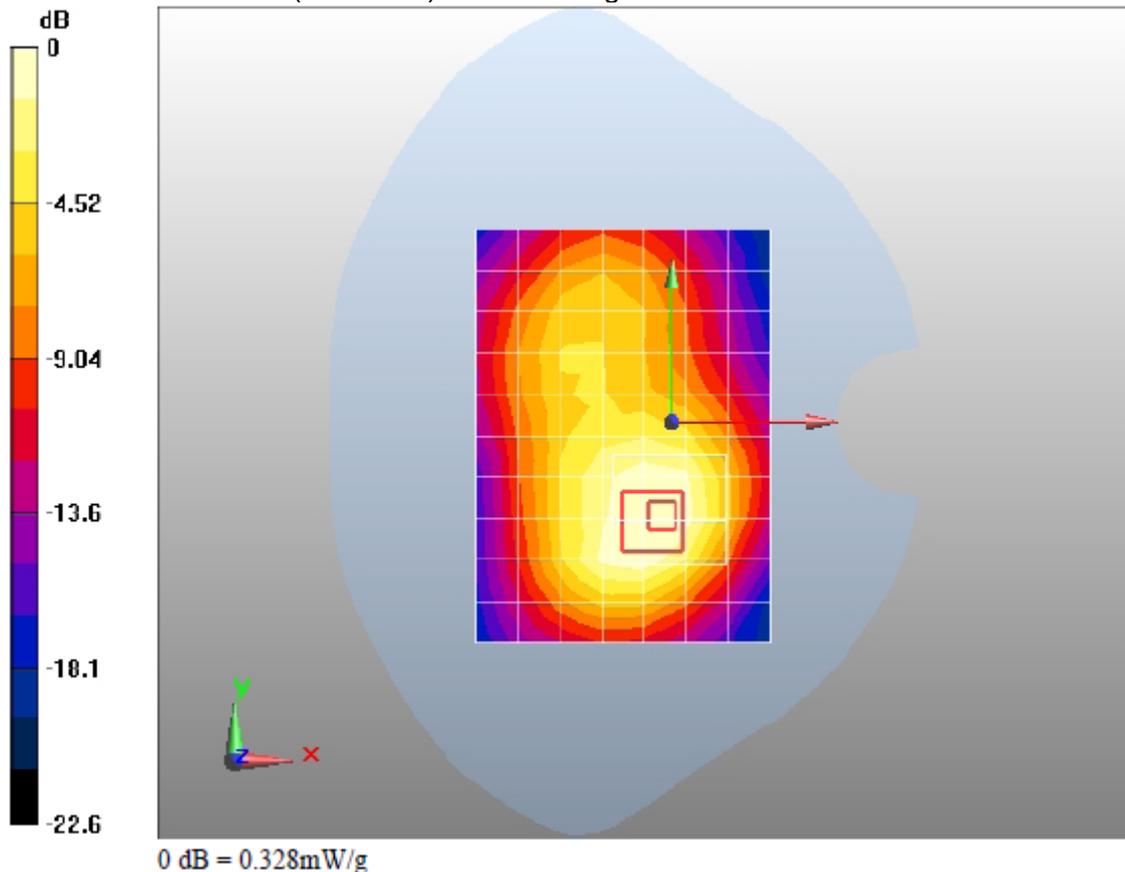
U7520-7/body/Zoom Scan (6x6x6)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 9.6 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 0.502 W/kg

SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.328 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :15 mm

ambient temperature: 22.0°C; liquid temperature: 21.8°C

Date/Time: 2010-11-13 07:40:37

**P1528_OET65_EN62209- towards ground- GSM1900 with Bluetooth Headset High
DUT: HUAWEI U7520-7/U7520-7**

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1909.8 MHz
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- . Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 2009-12-18
- . Sensor-Surface: 4mm (Mechanical Surface Detection)
- . Electronics: DAE4 Sn852; Calibrated: 2009-12-18
- . Phantom: SAM1; Type: SAM; Serial: TP-1475
- . Measurement SW: DASYS, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.413 mW/g

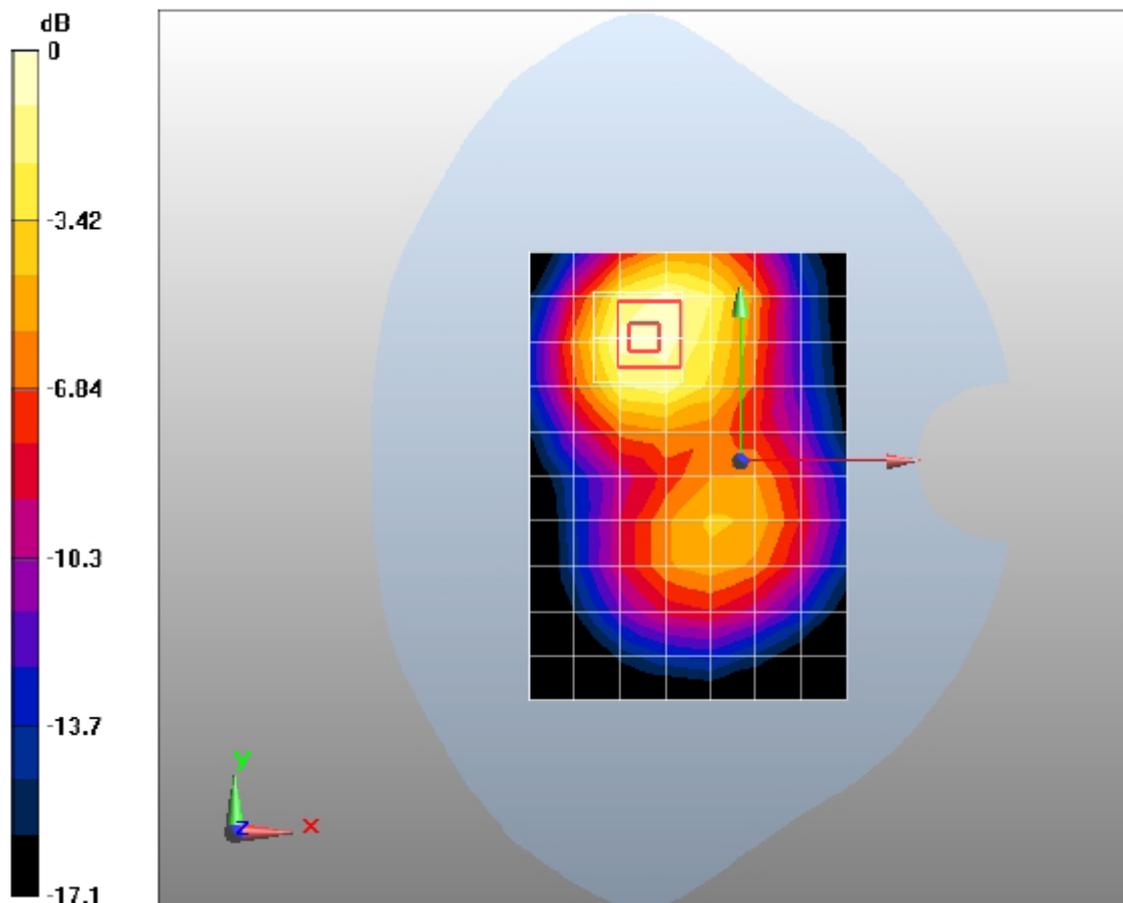
U7520-7/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.01 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.713 W/kg

SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.258 mW/g

Maximum value of SAR (measured) = 0.469 mW/g



0 dB = 0.469mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :15 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

Annex 2.3 WCDMA 850 MHz Head

Date/Time: 2010-11-10 22:55:27

P1528_OET65_EN62209- LeftHandSide touched –WCDMA850 Middle

DUT: HUAWEI U7520-7/U7520-7

Communication System: WCDMA850; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.876$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/head/Area Scan (10x16x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.275 mW/g

U7520-7/head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

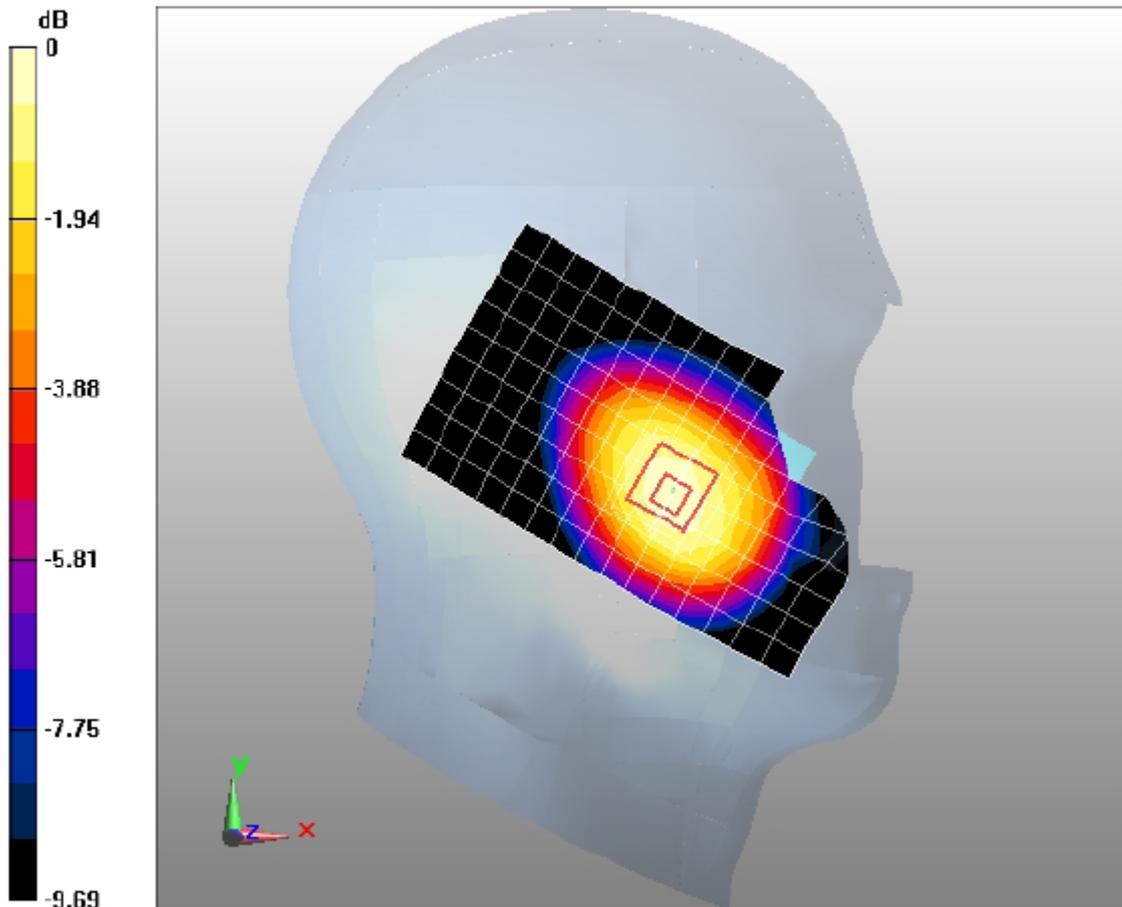
Reference Value = 4.77 V/m; Power Drift = 0.110 dB

Peak SAR (extrapolated) = 0.335 W/kg

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.195 mW/g

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

Maximum value of SAR (measured) = 0.282 mW/g



0 dB = 0.282mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.2°C; liquid temperature: 21.6°C

**P1528_OET65_EN62209- LeftHandSide tilted 15° –WCDMA850 Middle
DUT: HUAWEI U7520-7/U7520-7**

Communication System: WCDMA850; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.876$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

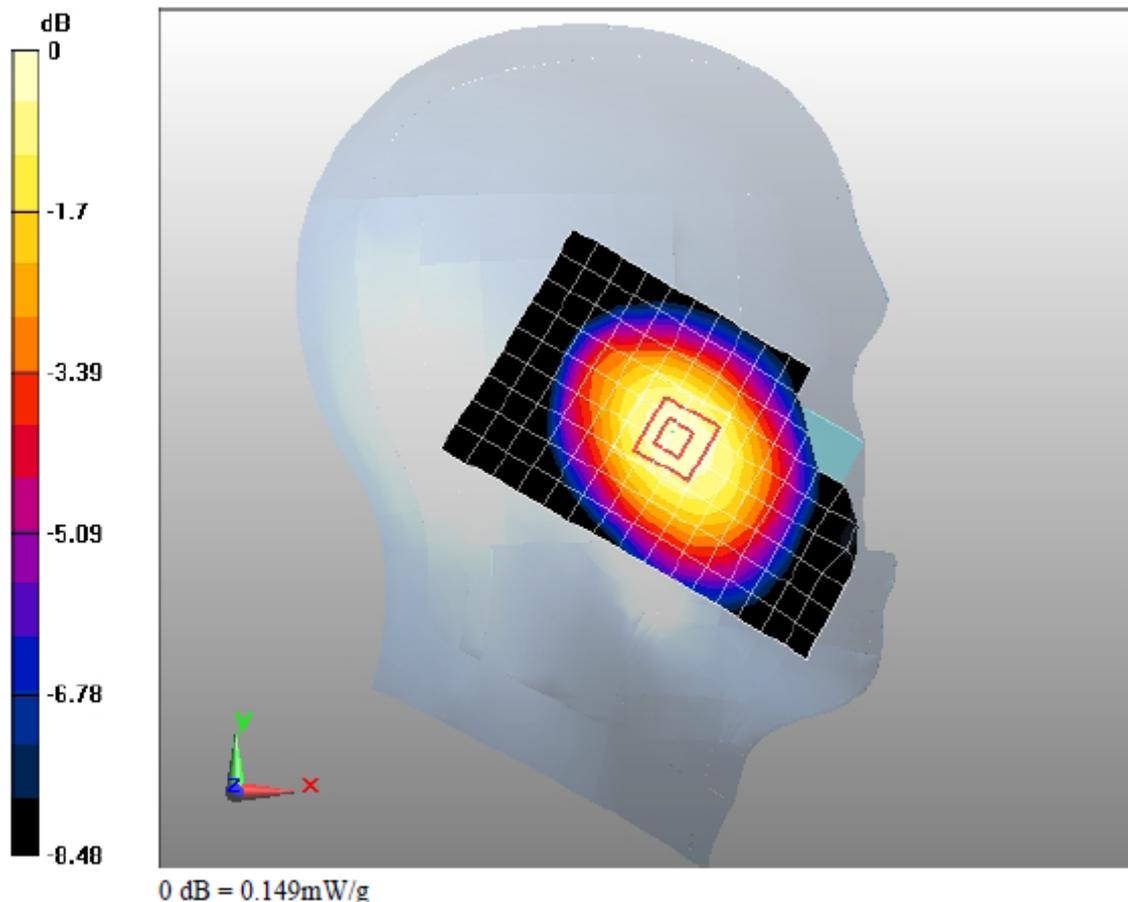
U7520-7/head/Area Scan (10x16x1): Measurement grid: dx=10mm, dy=10mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.149 mW/g

U7520-7/head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.84 V/m; Power Drift = 0.00565 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.106 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.2°C; liquid temperature: 21.6°C

P1528_OET65_EN62209- RightHandSide touched –WCDMA850 Middle**DUT: HUAWEI U7520-7/U7520-7**

Communication System: WCDMA850; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.876$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.305 mW/g

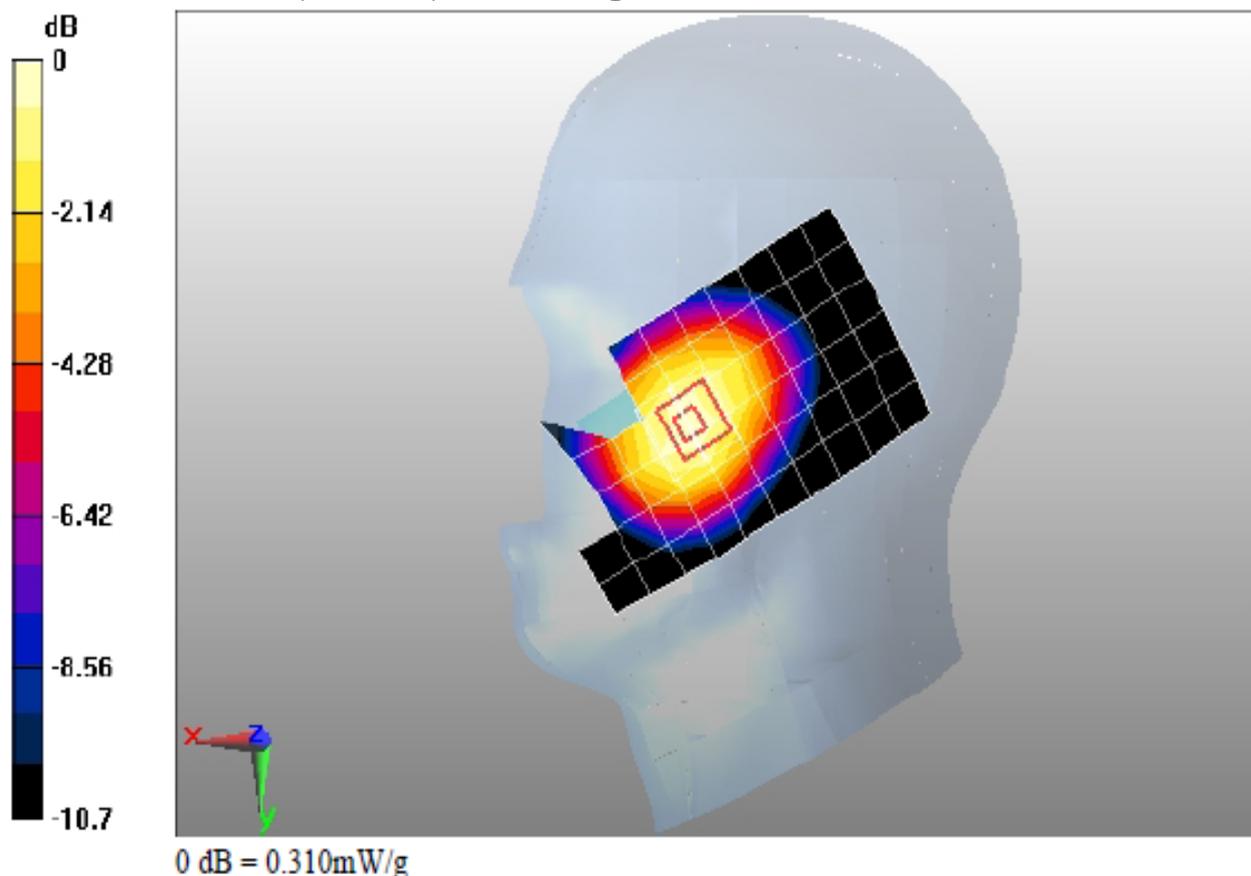
U7520-7/head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.05 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.223 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.310 mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.2°C; liquid temperature: 21.6°C

**P1528_OET65_EN62209- RightHandSide tilted 15° –WCDMA850 Middle
DUT: HUAWEI U7520-7/U7520-7**

Communication System: WCDMA850; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.876$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- . Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2009-12-18
- . Sensor-Surface: 4mm (Mechanical Surface Detection)
- . Electronics: DAE4 Sn852; Calibrated: 2009-12-18
- . Phantom: SAM2; Type: SAM; Serial: TP-1474
- . Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

U7520-7/head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.166 mW/g

U7520-7/head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

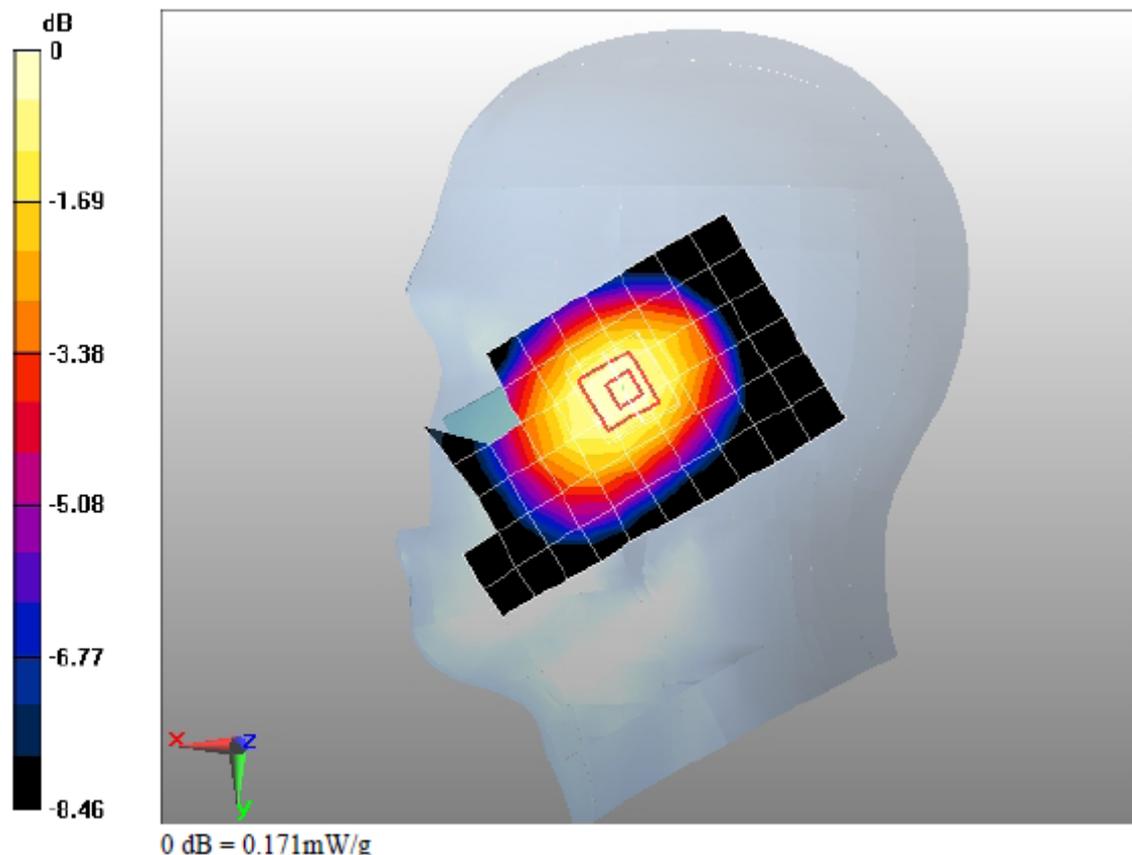
Reference Value = 9.58 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.198 W/kg

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.122 mW/g

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

Maximum value of SAR (measured) = 0.171 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :
ambient temperature: 22.2°C; liquid temperature: 21.6°C

**P1528_OET65_EN62209- RightHandSide touched –WCDMA850 High
DUT: HUAWEI U7520-7/U7520-7**

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

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.864$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.338 mW/g

U7520-7/head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

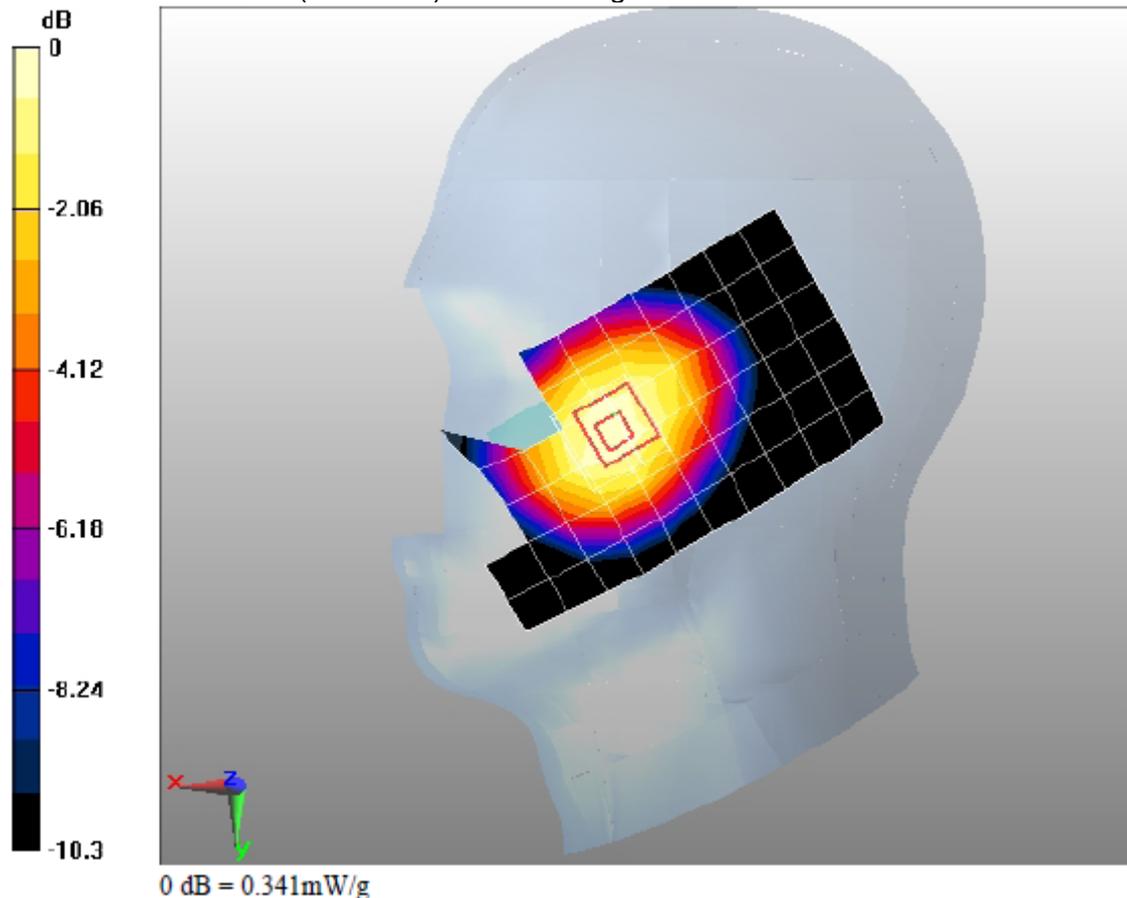
Reference Value = 6.37 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.390 W/kg

SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.245 mW/g

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

Maximum value of SAR (measured) = 0.341 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.2°C; liquid temperature: 21.6°C

P1528_OET65_EN62209- RightHandSide touched –WCDMA850 Low**DUT: HUAWEI U7520-7/U7520-7**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.863$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.209 mW/g

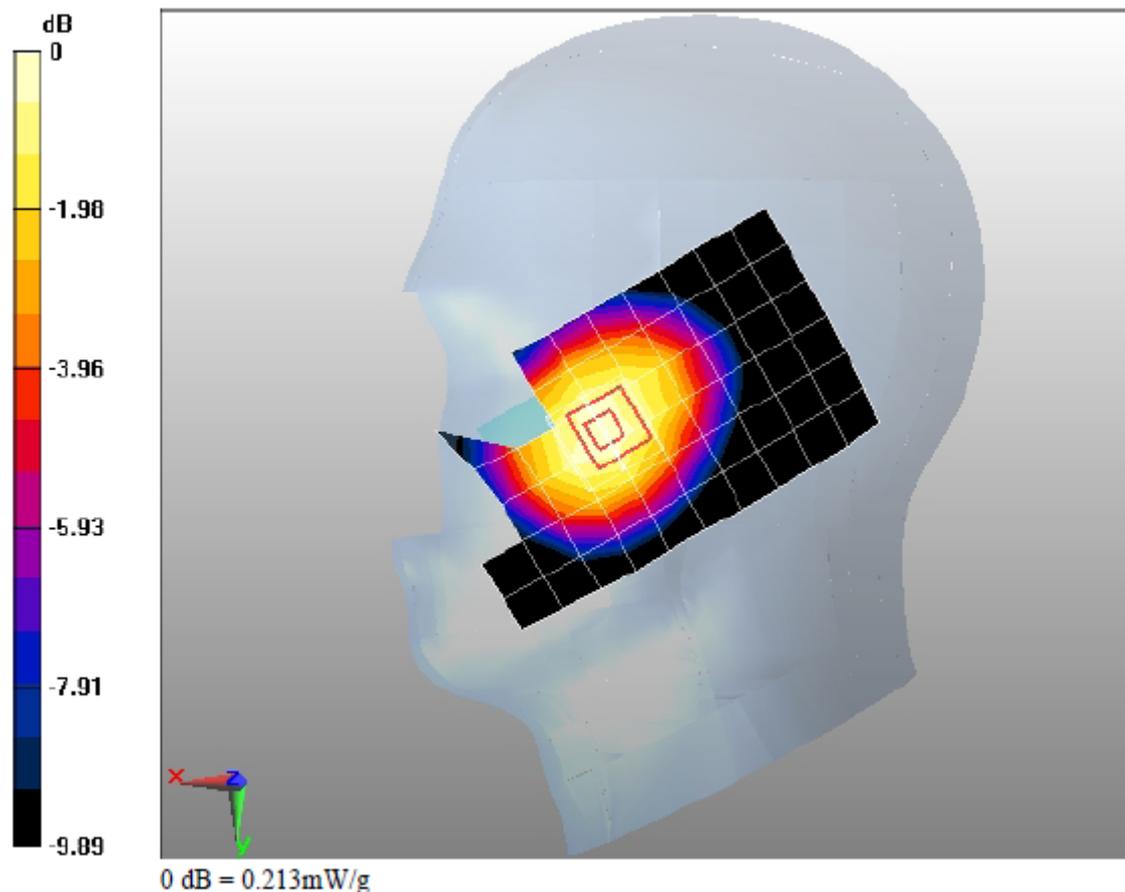
U7520-7/head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.84 V/m; Power Drift = 0.112 dB

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.154 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.213 mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.2°C; liquid temperature: 21.6°C

Annex 2.4 WCDMA 850 MHz Body

Date/Time: 2010-11-15 23:13:42

**P1528_OET65_EN62209- towards phantom- WCDMA850 Middle
DUT: HUAWEI U7520-7/U7520-7**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.180 mW/g

U7520-7/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

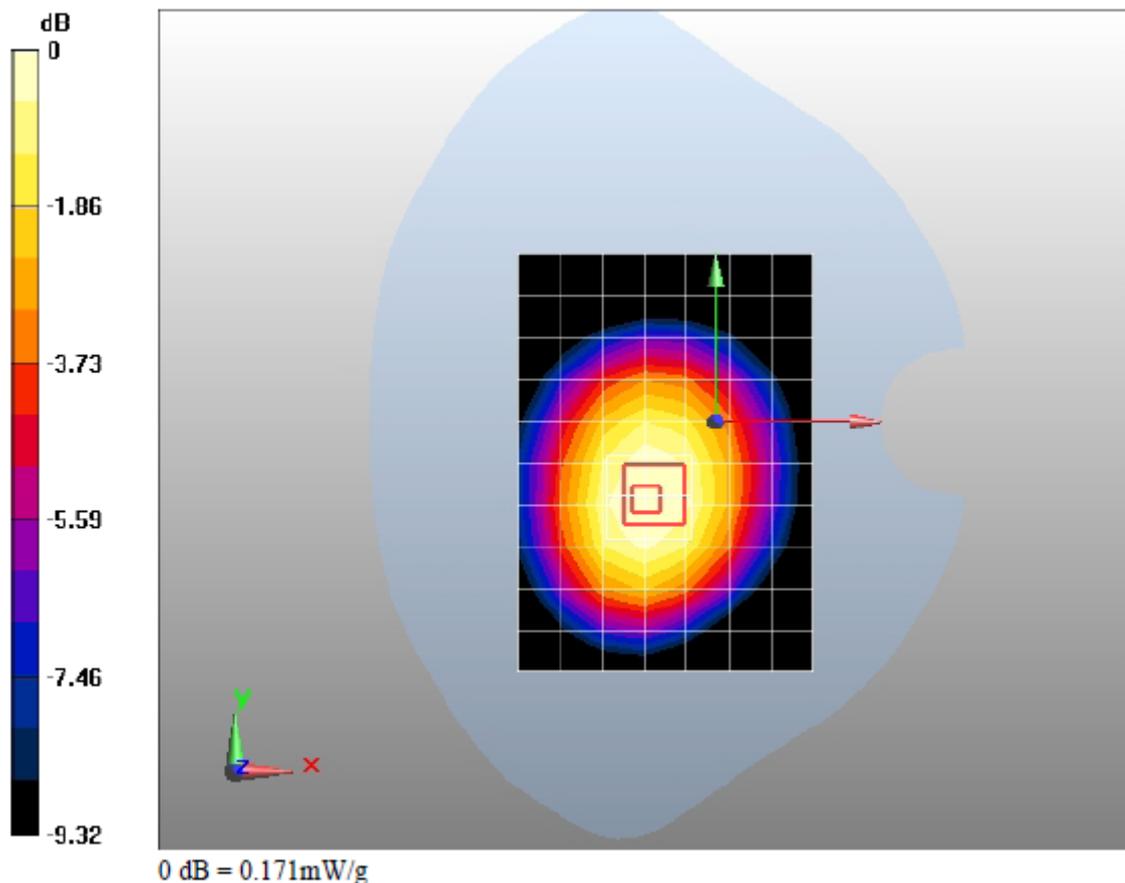
Reference Value = 12.1 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.120 mW/g

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

Maximum value of SAR (measured) = 0.171 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :15 mm

ambient temperature: 22.3°C; liquid temperature: 21.6°C

P1528_OET65_EN62209- towards ground- WCDMA850 Middle DUT: HUAWEI U7520-7/U7520-7

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.231 mW/g

U7520-7/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

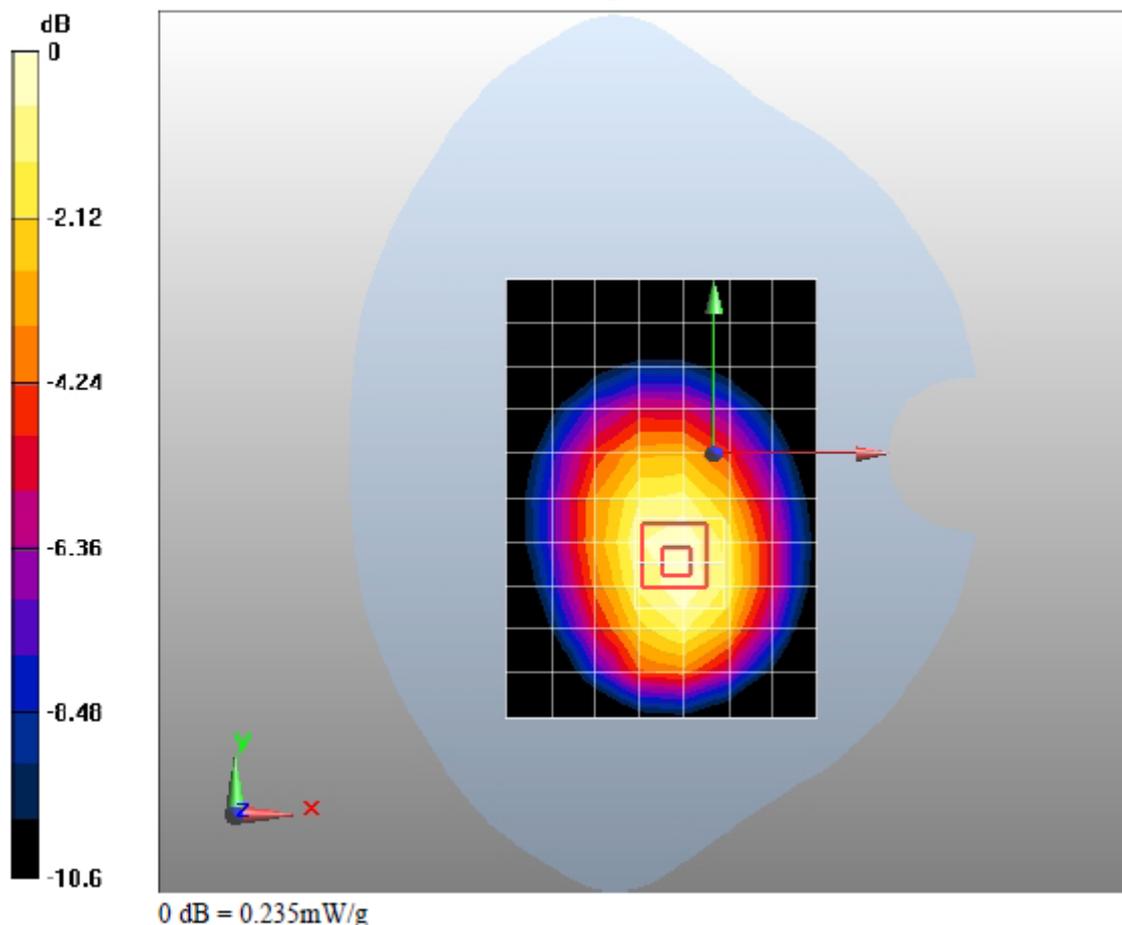
Reference Value = 11.7 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 0.293 W/kg

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.156 mW/g

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

Maximum value of SAR (measured) = 0.235 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :15 mm

ambient temperature: 22.3°C; liquid temperature: 21.6°C

**P1528_OET65_EN62209- towards ground- WCDMA850 High
DUT: HUAWEI U7520-7/U7520-7**

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

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.277 mW/g

U7520-7/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

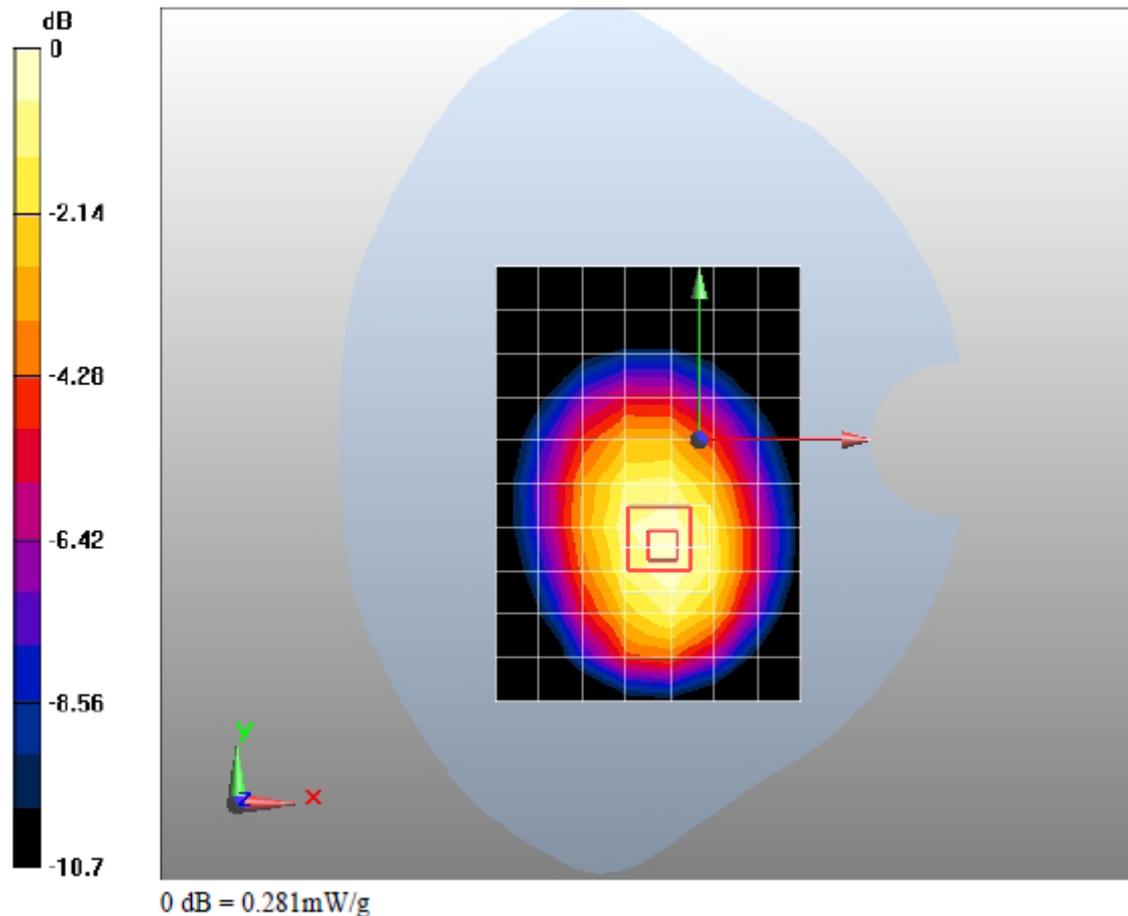
Reference Value = 12.6 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.187 mW/g

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

Maximum value of SAR (measured) = 0.281 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :15 mm

ambient temperature: 22.3°C; liquid temperature: 21.6°C

P1528_OET65_EN62209- towards ground- WCDMA850 Low**DUT: HUAWEI U7520-7/U7520-7**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.187 mW/g

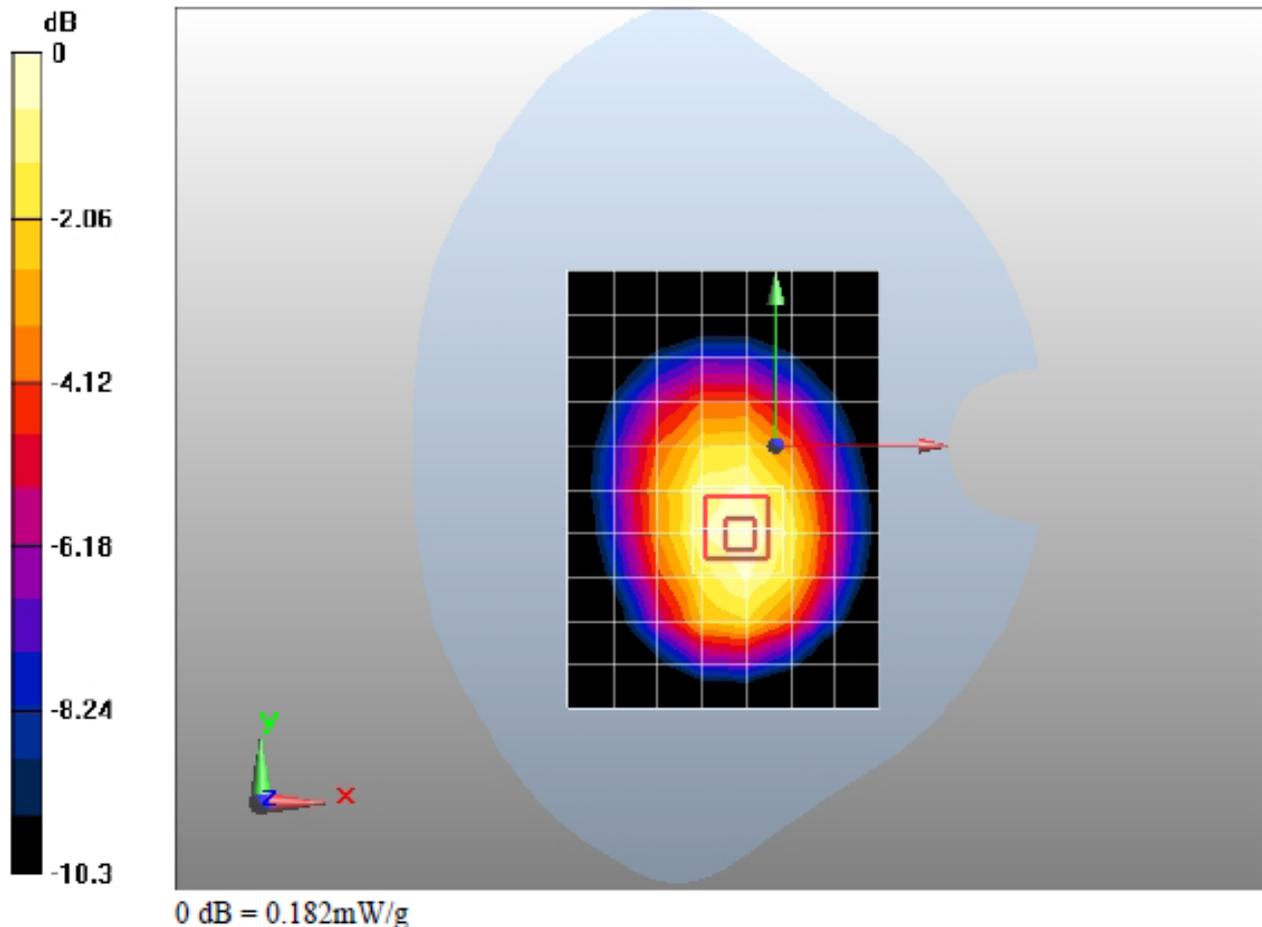
U7520-7/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.121 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.182 mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :15 mm

ambient temperature: 22.3°C; liquid temperature: 21.6°C

P1528_OET65_EN62209- towards ground with HSDPA - WCDMA850 High

DUT: HUAWEI U7520-7/U7520-7

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

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.283 mW/g

U7520-7/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

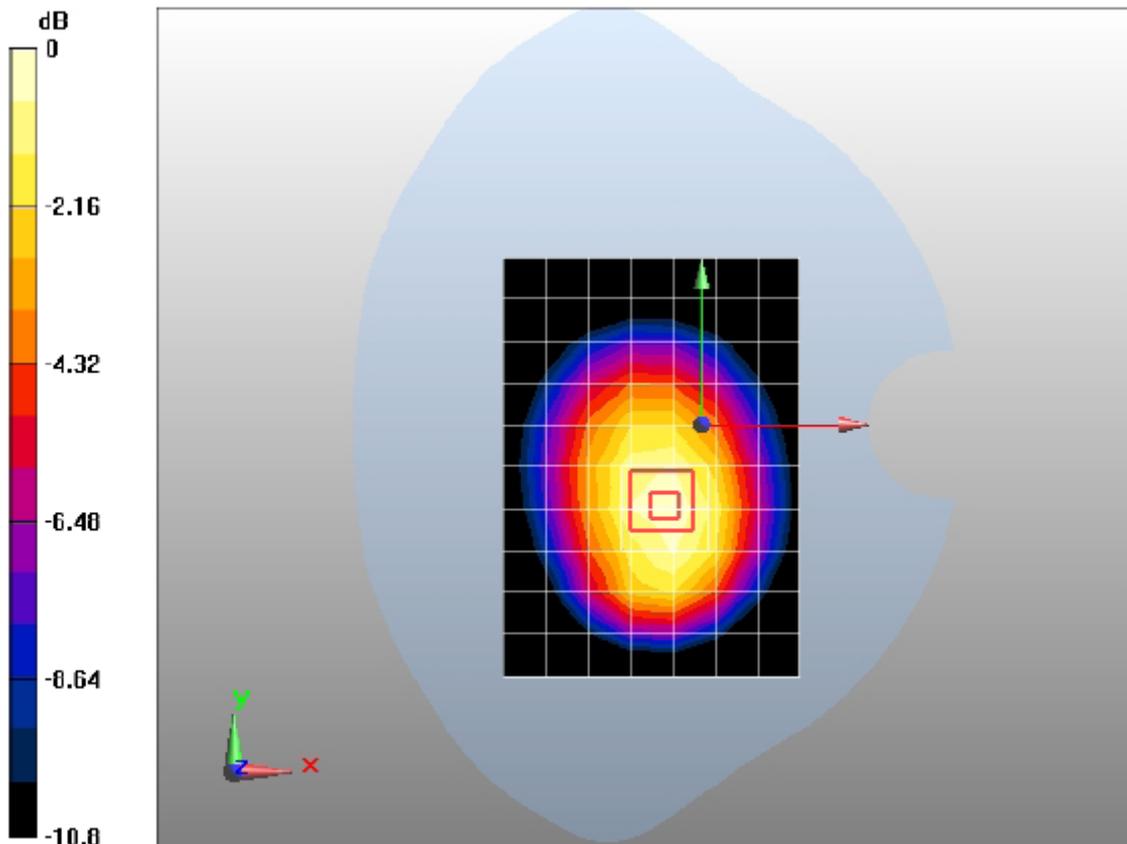
Reference Value = 14.2 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.187 mW/g

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

Maximum value of SAR (measured) = 0.280 mW/g.



0 dB = 0.280mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :15 mm

ambient temperature: 22.3°C; liquid temperature: 21.6°C

P1528_OET65_EN62209- towards ground with Headset - WCDMA850 High
DUT: HUAWEI U7520-7/U7520-7

Communication System: HW -UMTS-FDD; Frequency: 846.6 MHz
 Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section
 Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- . Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 2009-12-18
- . Sensor-Surface: 4mm (Mechanical Surface Detection)
- . Electronics: DAE4 Sn852; Calibrated: 2009-12-18
- . Phantom: SAM2; Type: SAM; Serial: TP-1474
- . Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.187 mW/g

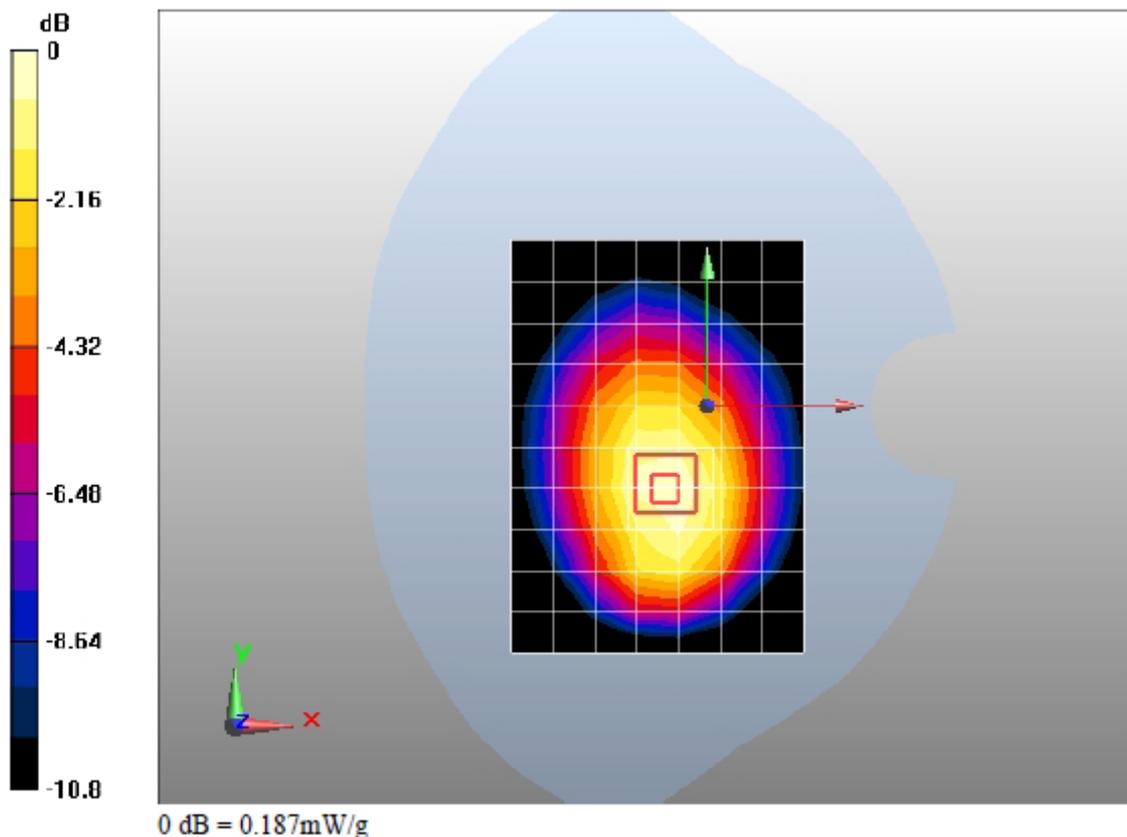
U7520-7/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.124 mW/g

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



Additional information:

position or distance of DUT to SAM (if not standard head positions) :15 mm
 ambient temperature: 22.3°C; liquid temperature: 21.6°C

**P1528_OET65_EN62209- towards ground with Bluetooth Headset - WCDMA850 High
DUT: HUAWEI U7520-7/U7520-7**

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

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 2009-12-18

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 2009-12-18

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

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

U7520-7/body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.265 mW/g

U7520-7/body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

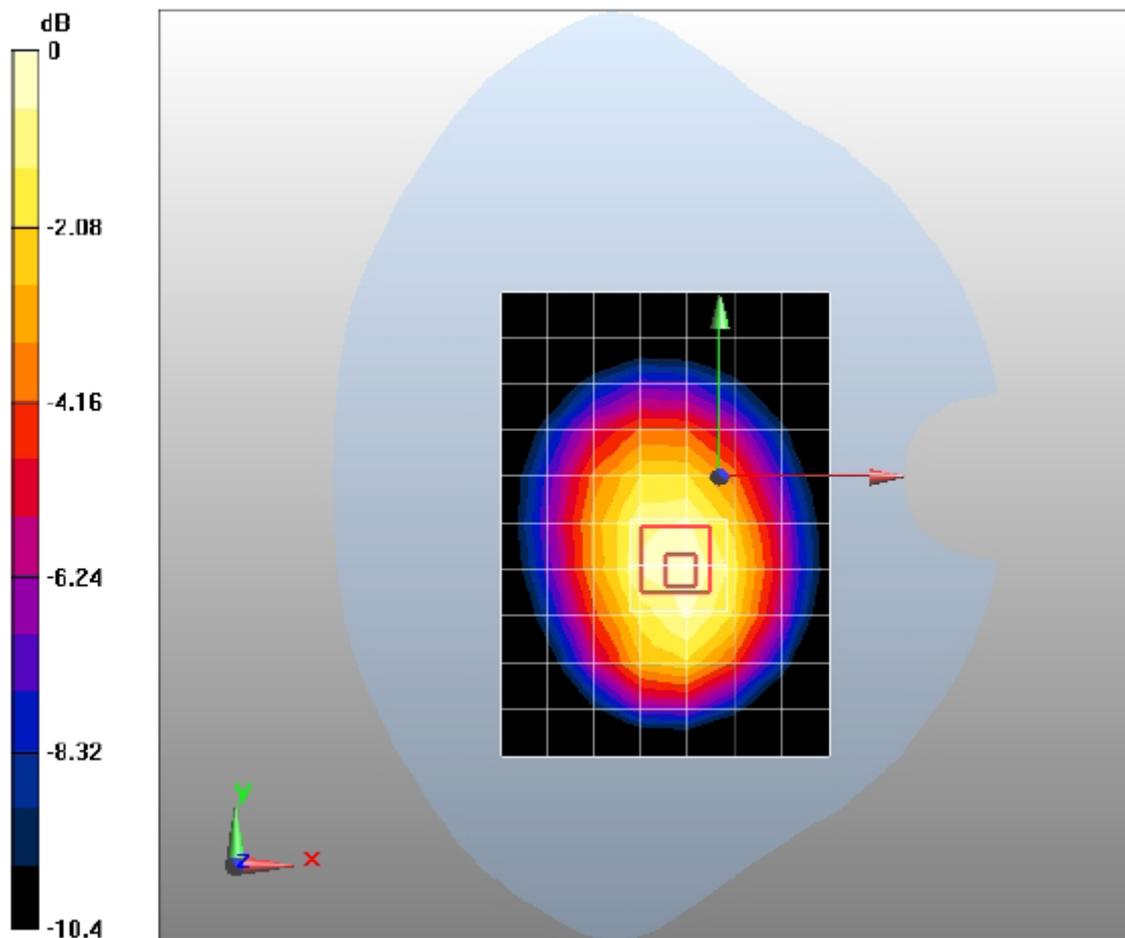
Reference Value = 13.4 V/m; Power Drift = 0.164 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.174 mW/g

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

Maximum value of SAR (measured) = 0.258 mW/g



0 dB = 0.258mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :15 mm

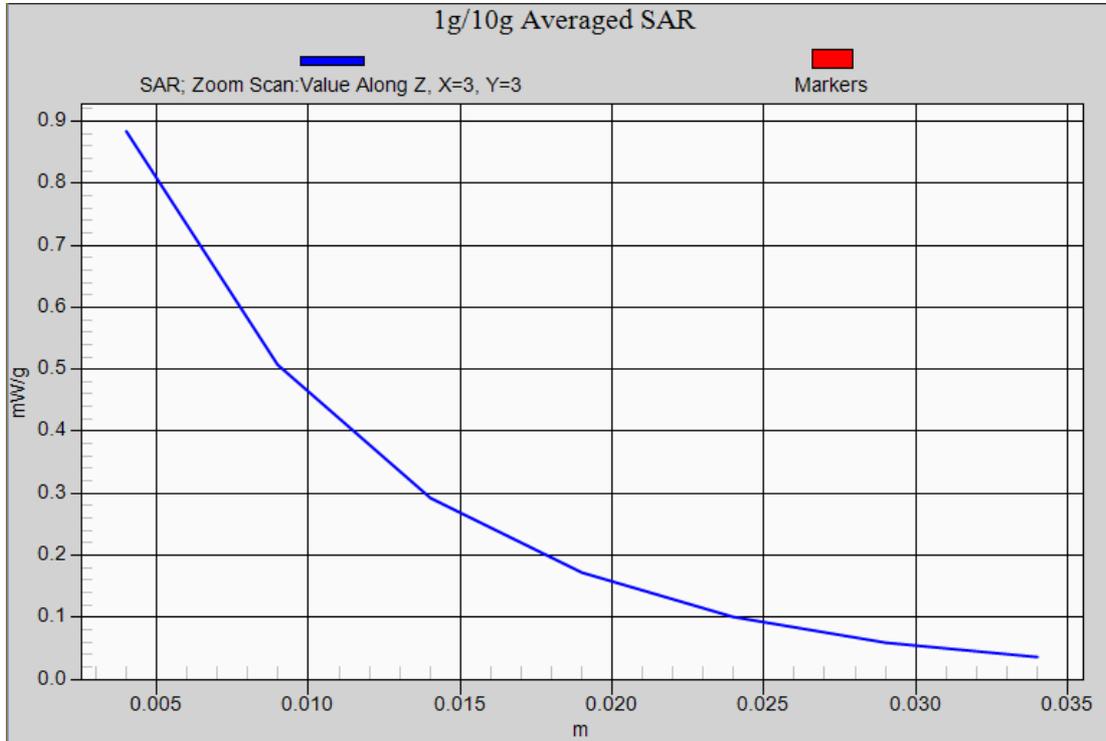
ambient temperature: 22.3°C; liquid temperature: 21.6°C

Annex 2.5 Z-axis scans

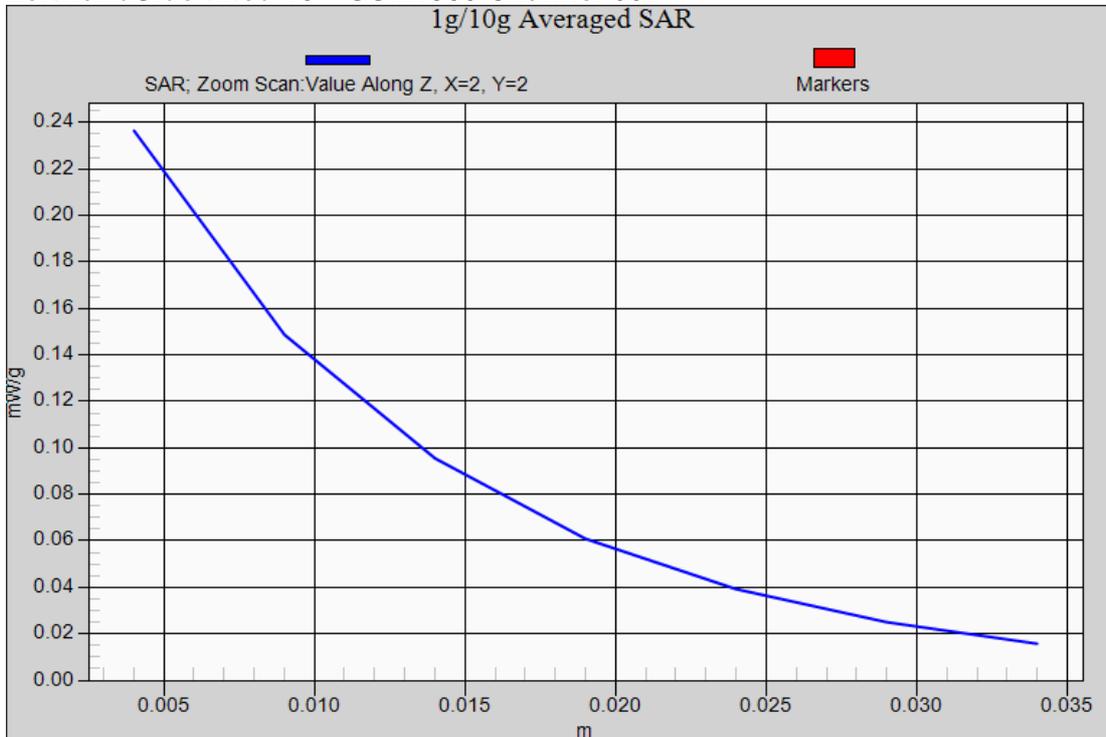
GSM 1900 Head:

HUAWEI U7520-7/U7520-7

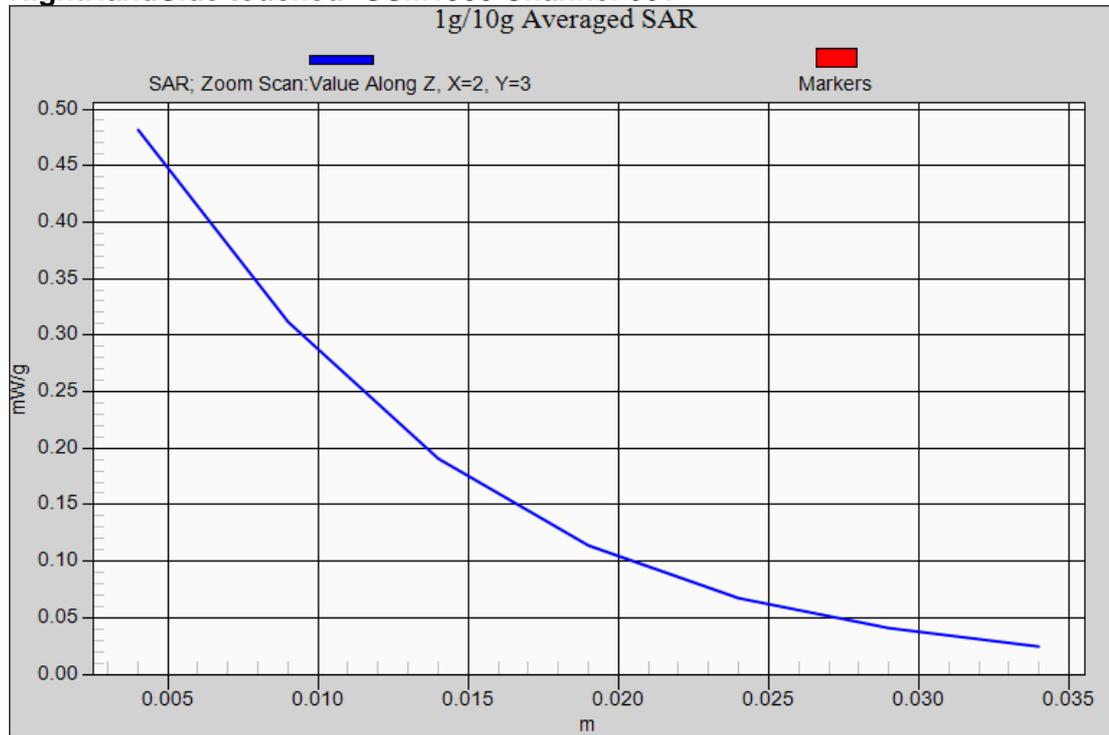
LeftHandSide touched -GSM1900 Channel 661



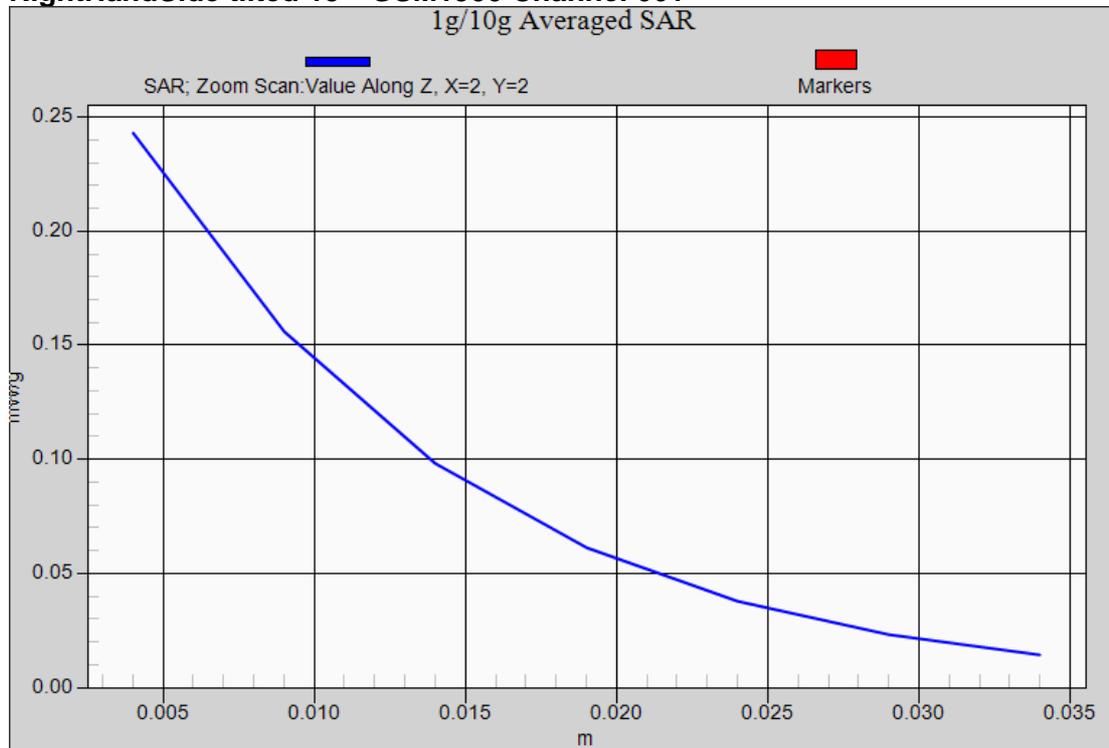
LeftHandSide tilted 15° -GSM1900 Channel 661



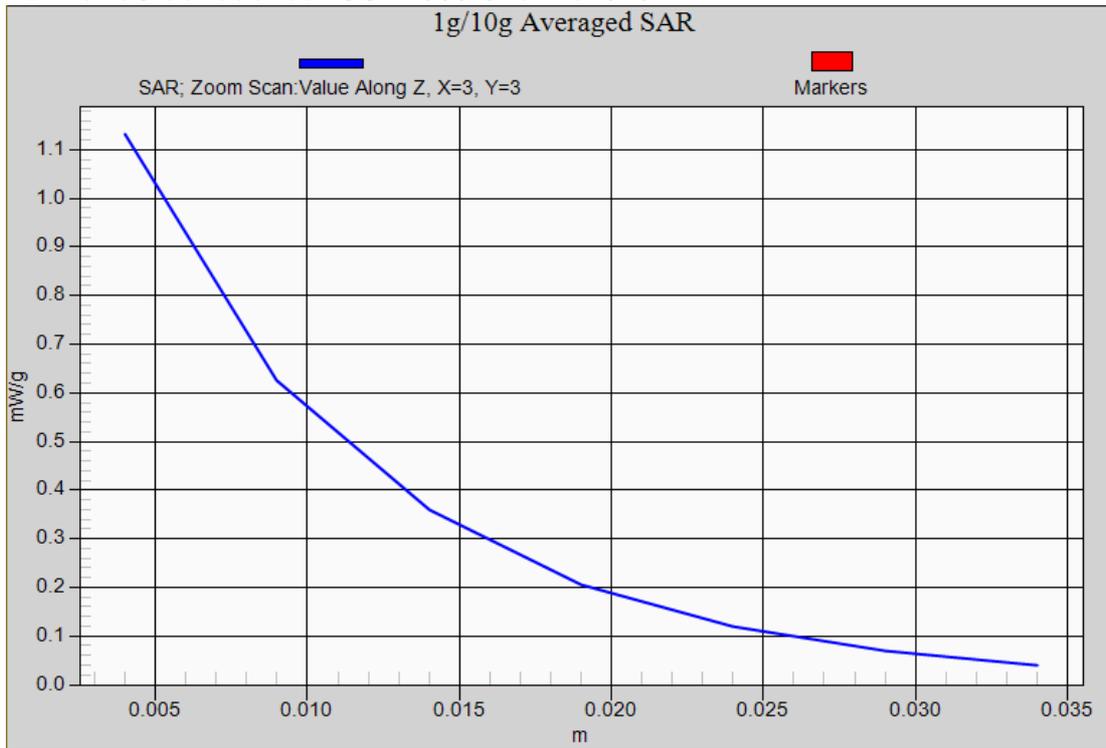
RightHandSide touched -GSM1900 Channel 661



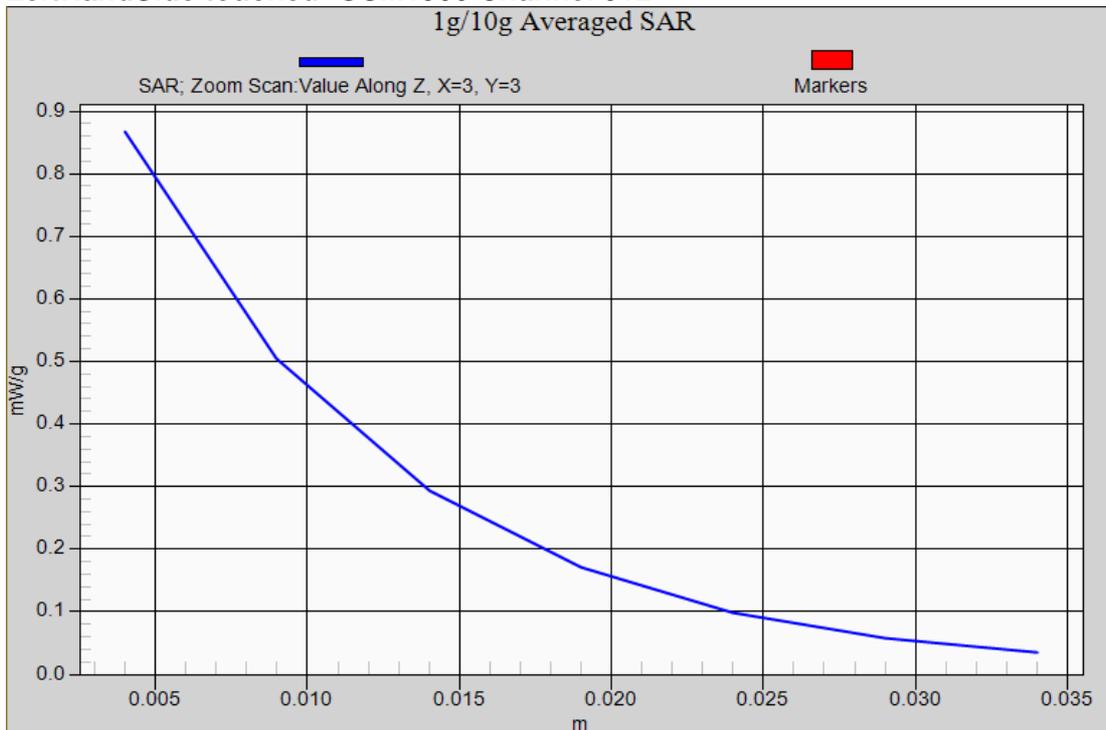
RightHandSide tilted 15° -GSM1900 Channel 661



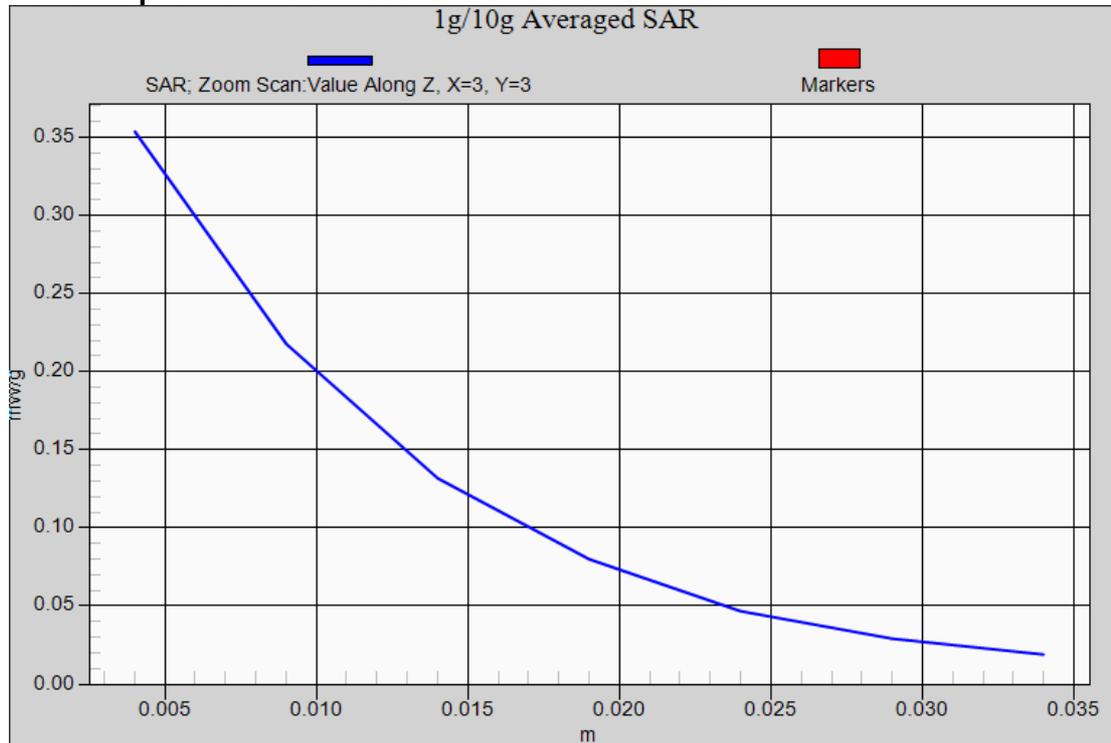
LeftHandSide touched -GSM1900 Channel 810



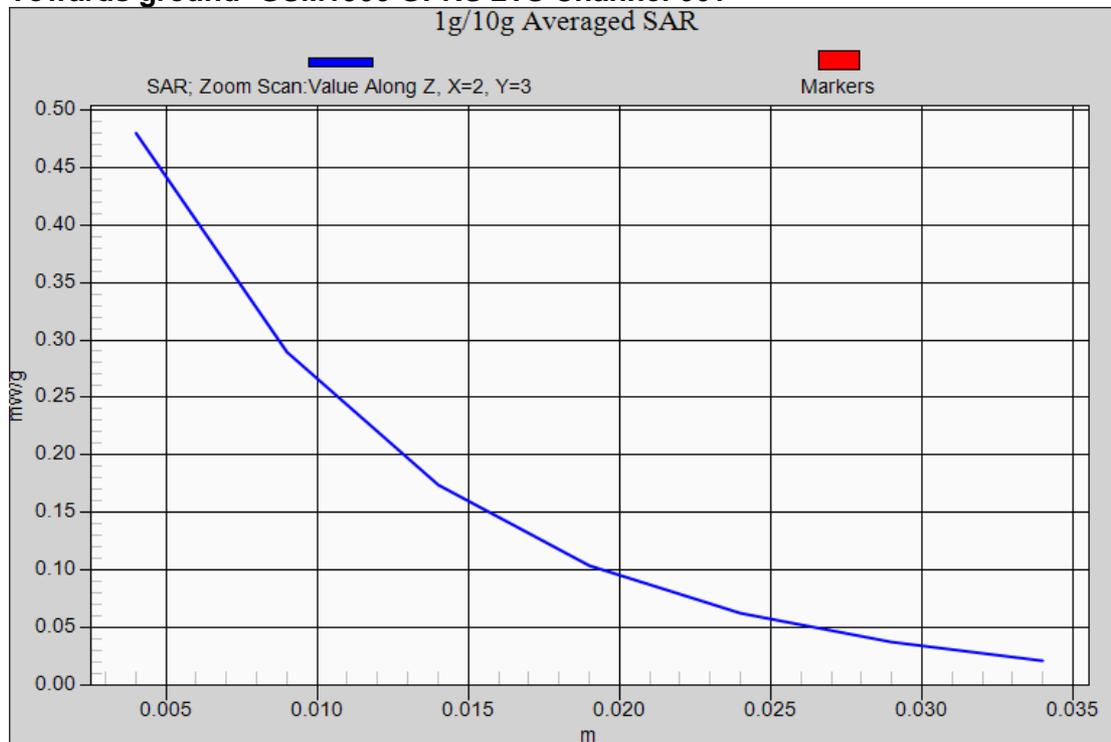
LeftHandSide touched -GSM1900 Channel 512



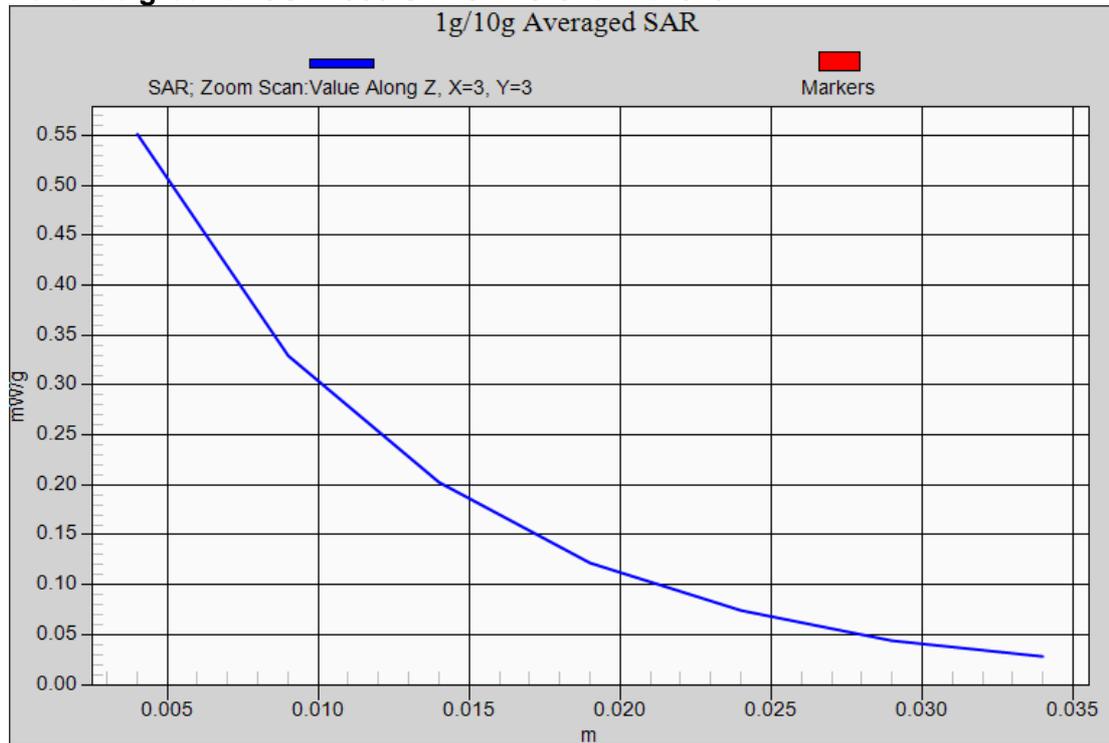
GSM1900 Body:
HUAWEI U7520-7/U7520-7
Towards phantom- GSM1900 GPRS 2TS Channel 661



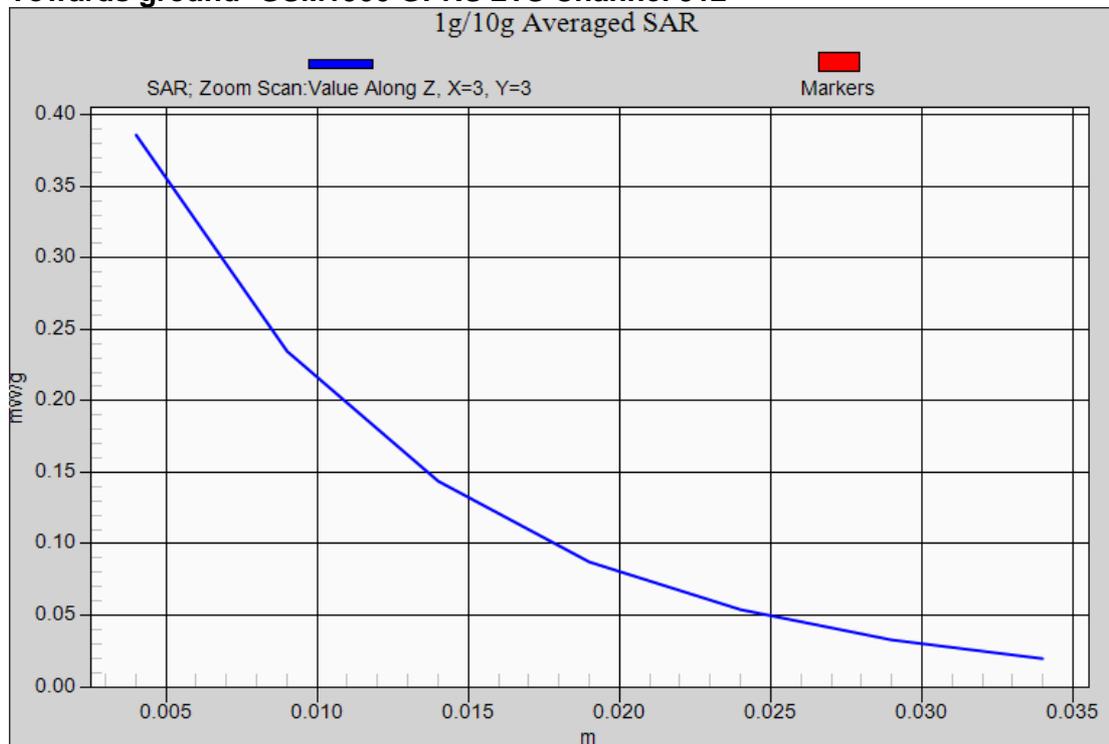
Towards ground- GSM1900 GPRS 2TS Channel 661



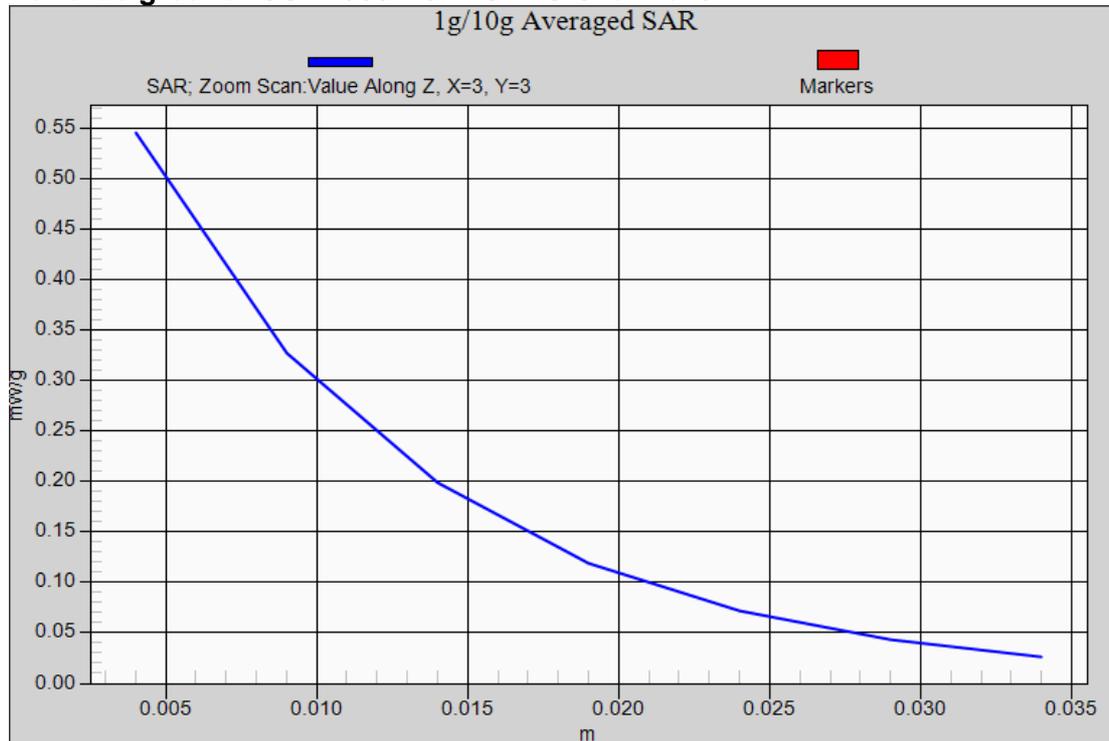
Towards ground- GSM1900 GPRS 2TS Channel 810



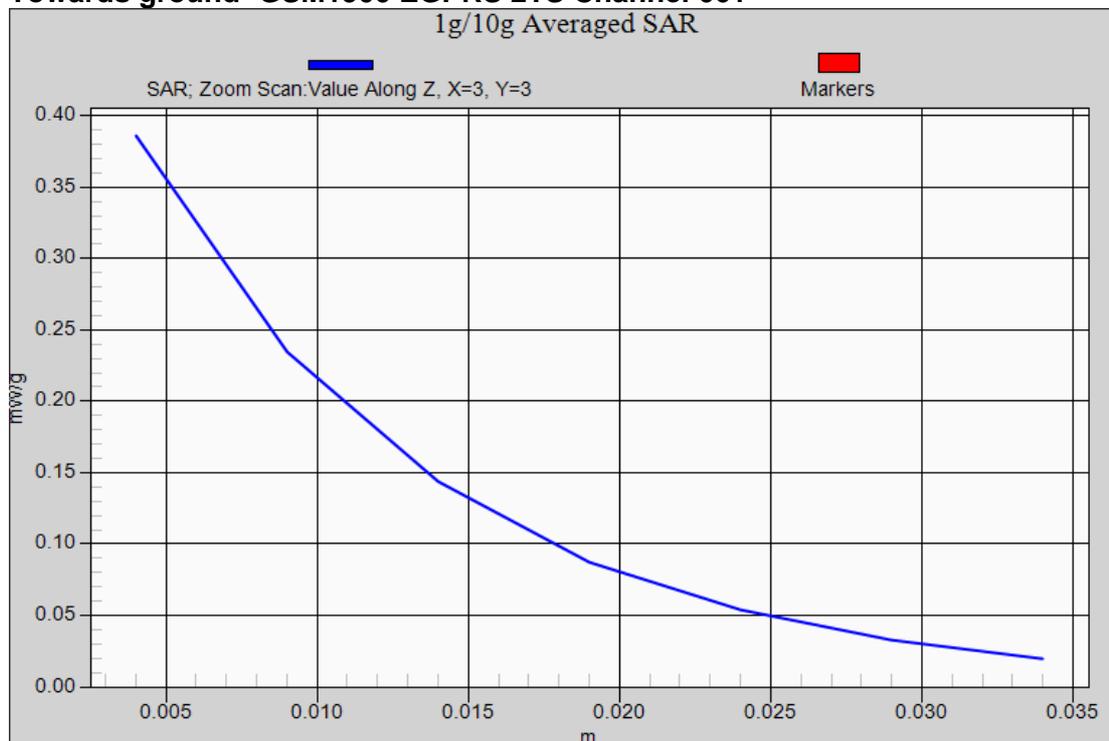
Towards ground- GSM1900 GPRS 2TS Channel 512



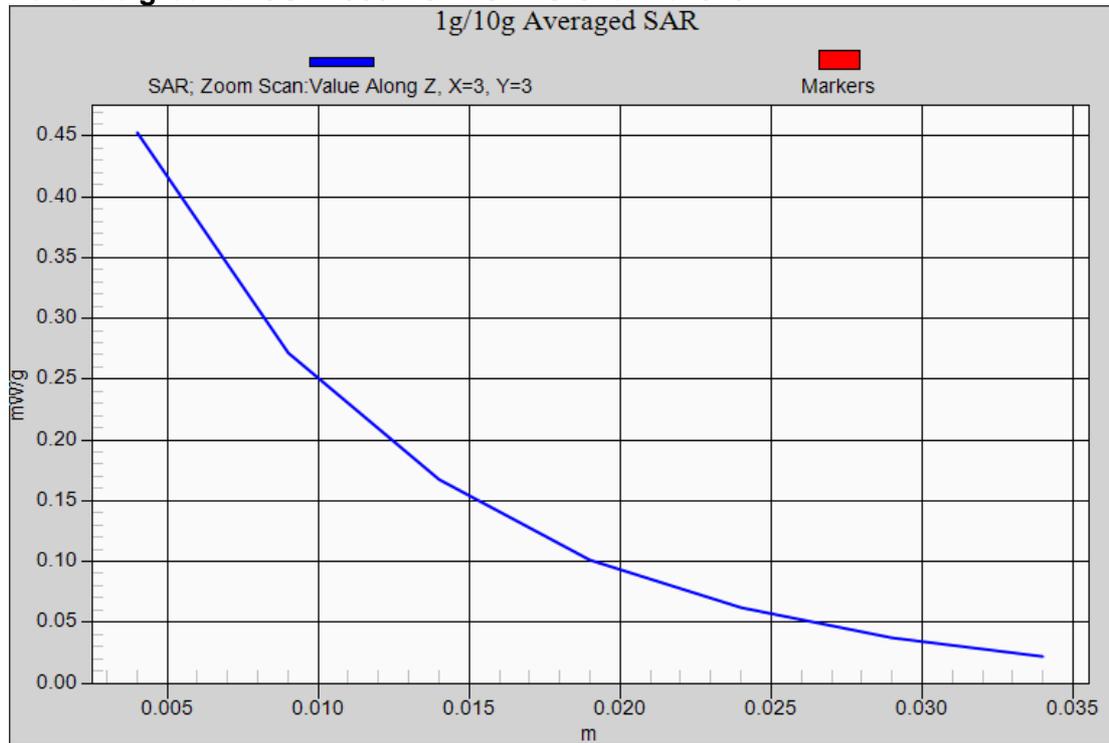
Towards ground- GSM1900 EGPRS 2TS Channel 512



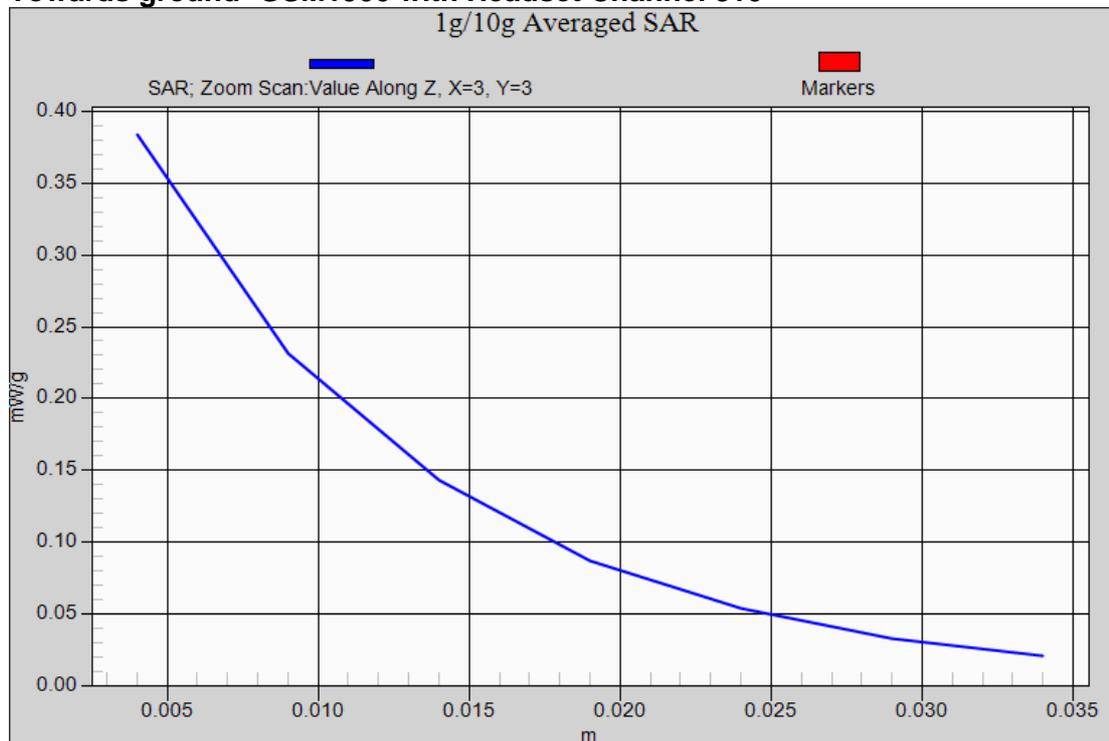
Towards ground- GSM1900 EGPRS 2TS Channel 661



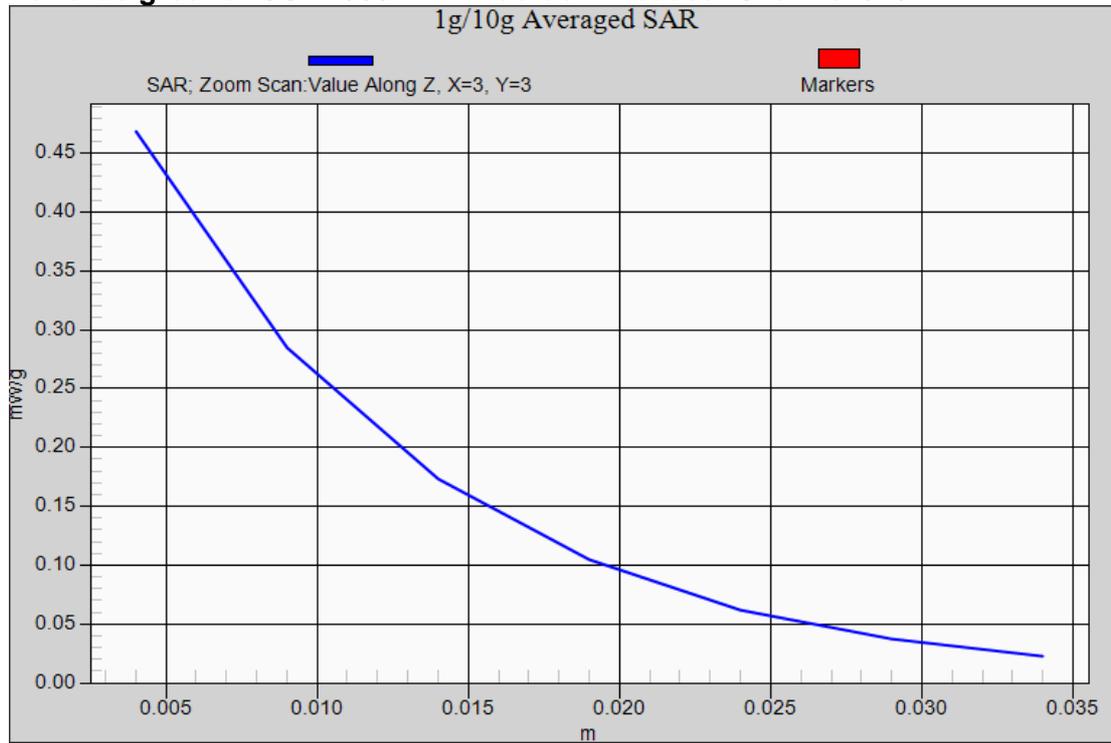
Towards ground- GSM1900 EGPRS 2TS Channel 810



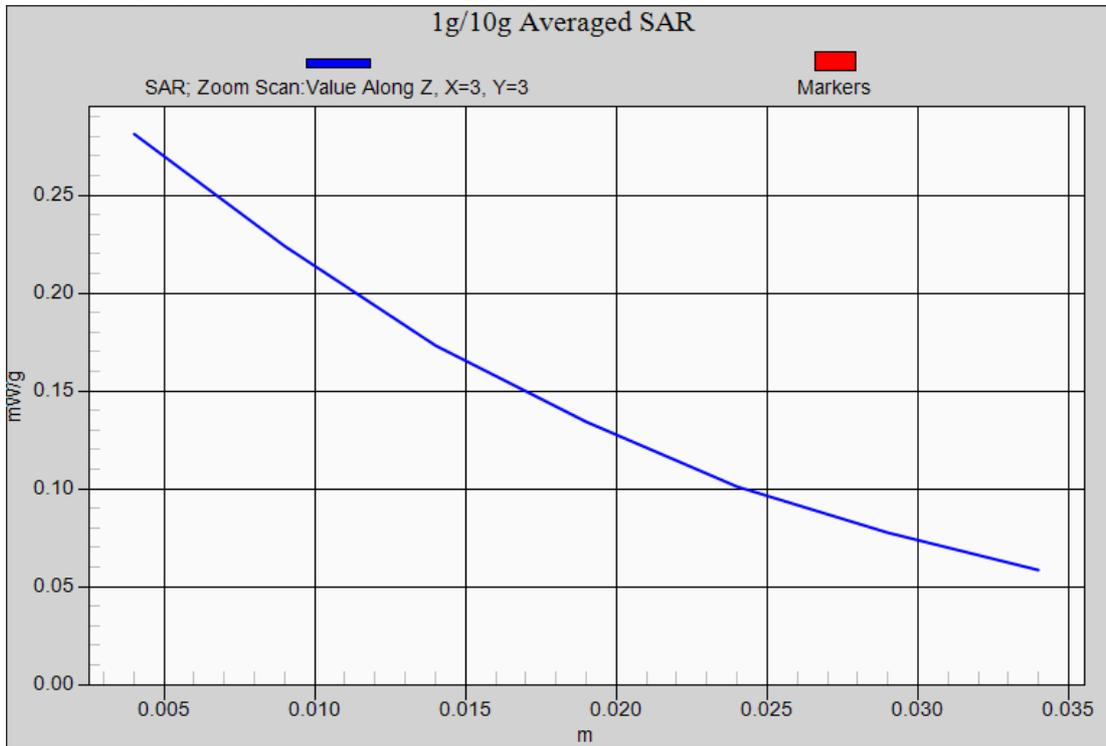
Towards ground- GSM1900 with Headset Channel 810



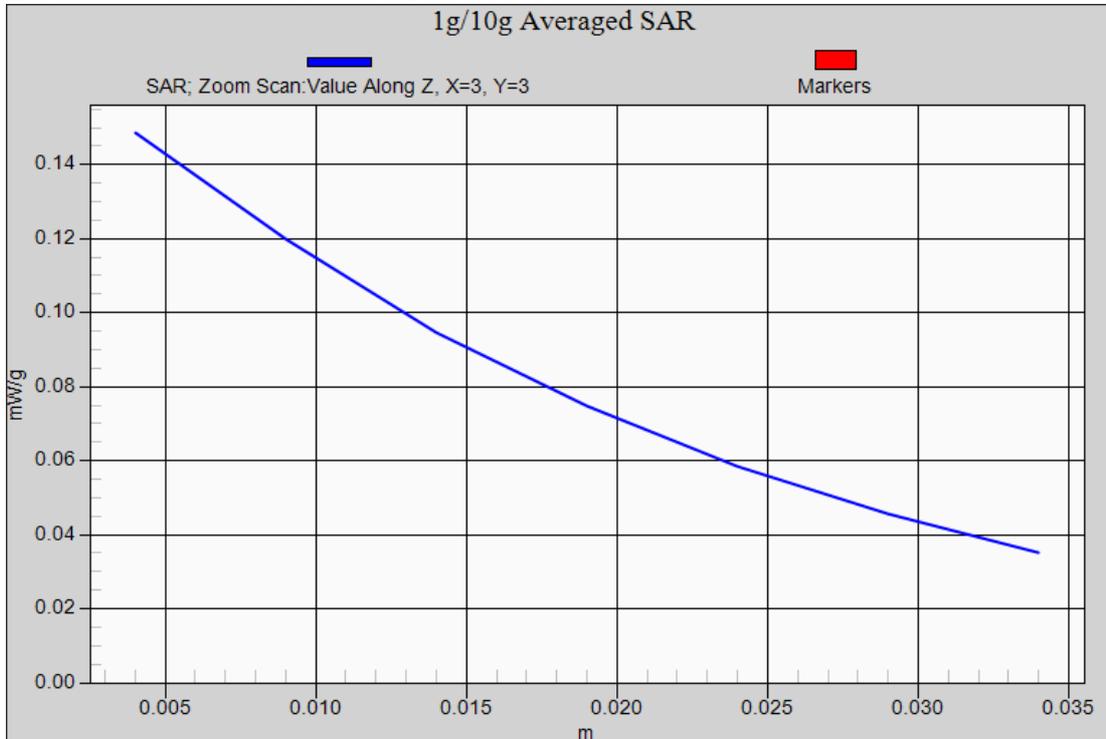
Towards ground- GSM1900 with Bluetooth Headset Channel 810



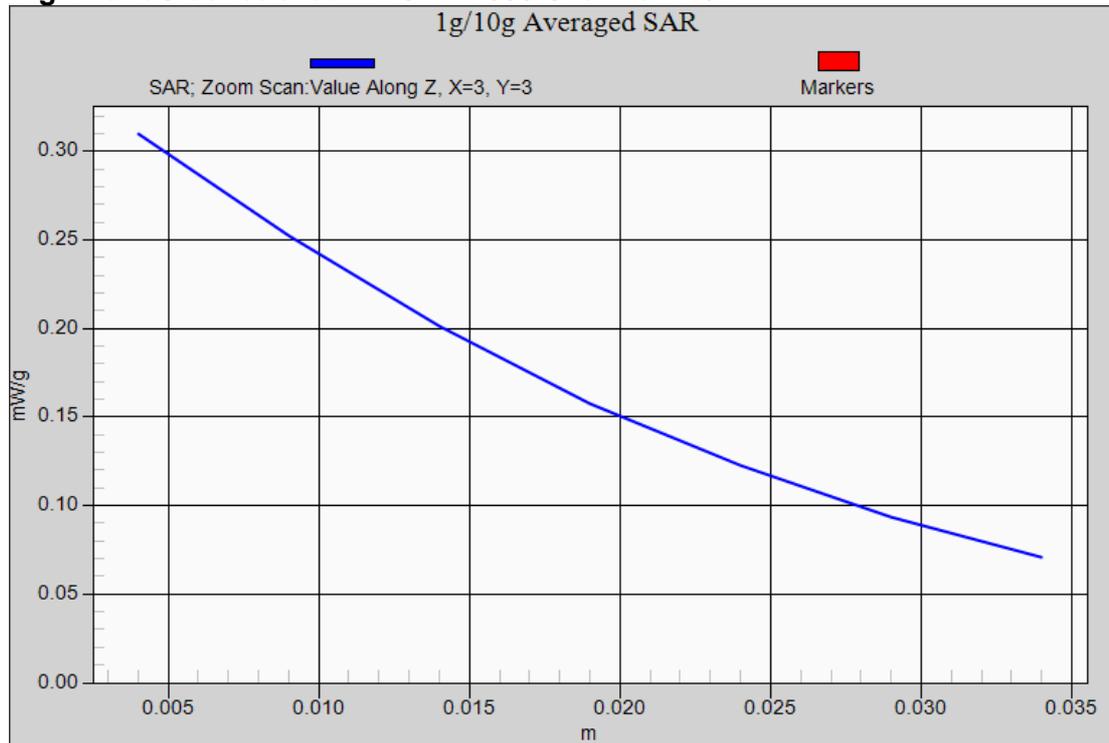
WCDMA850 Head:
HUAWEI U7520-7/U7520-7
LeftHandSide touched - WCDMA850 Channel 4182



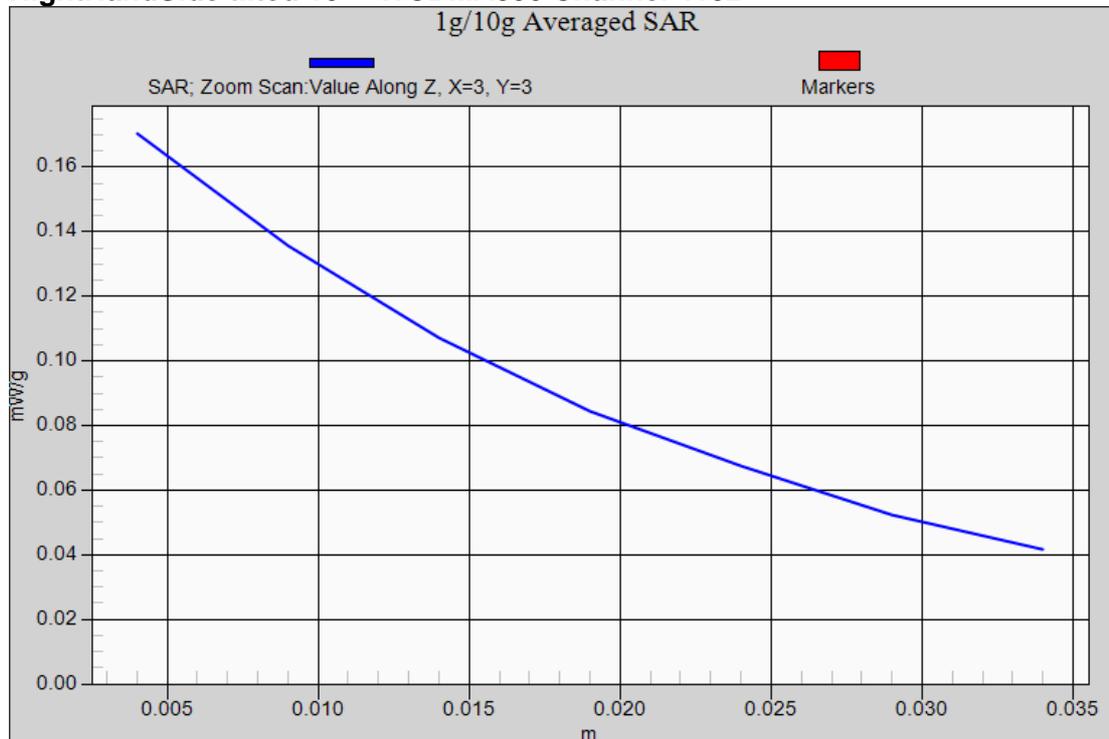
LeftHandSide tilted 15° - WCDMA850 Channel 4182



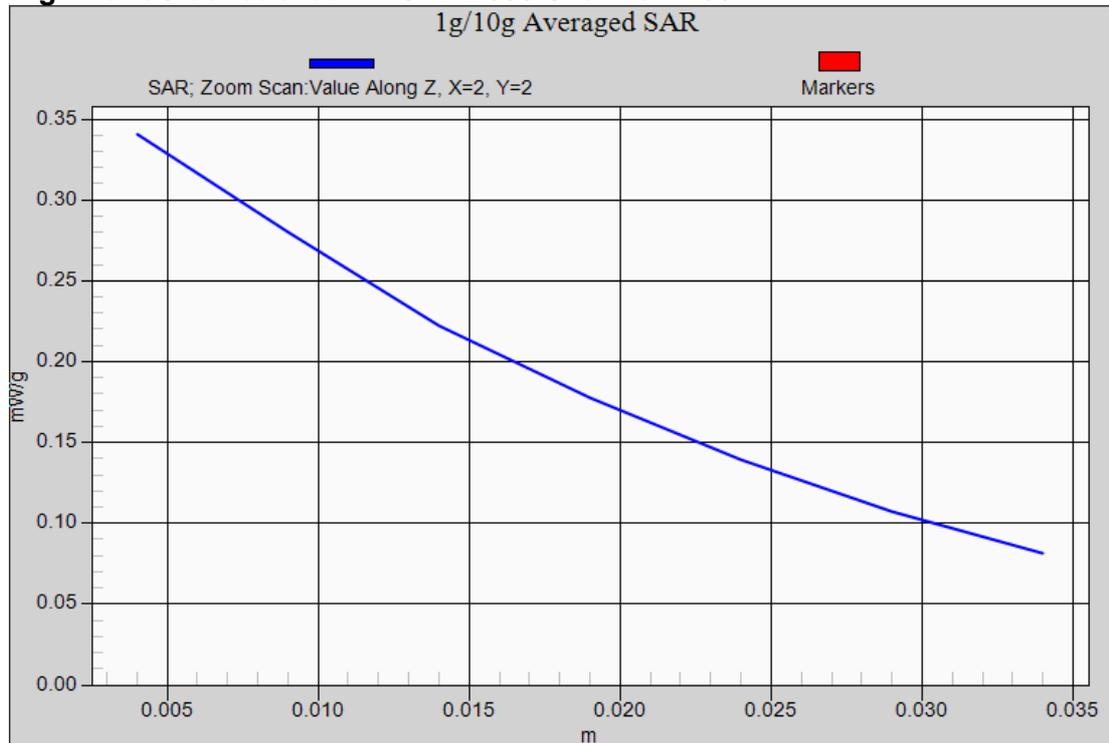
RightHandSide touched - WCDMA850 Channel 4182



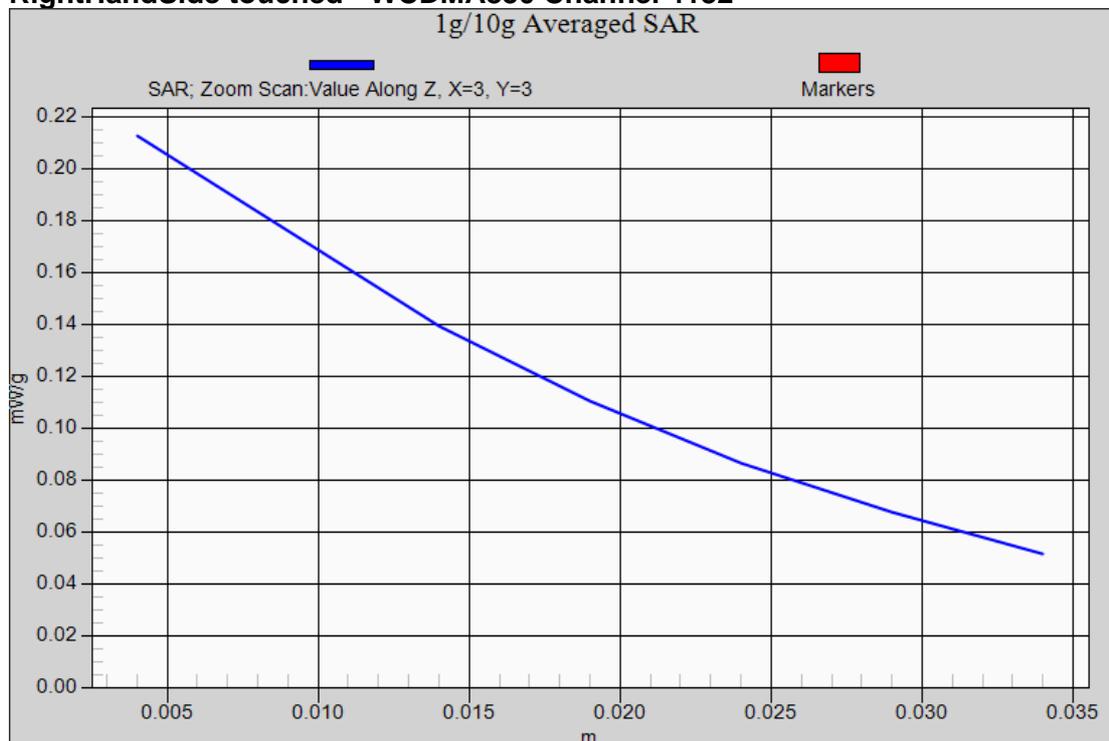
RightHandSide tilted 15° - WCDMA850 Channel 4182



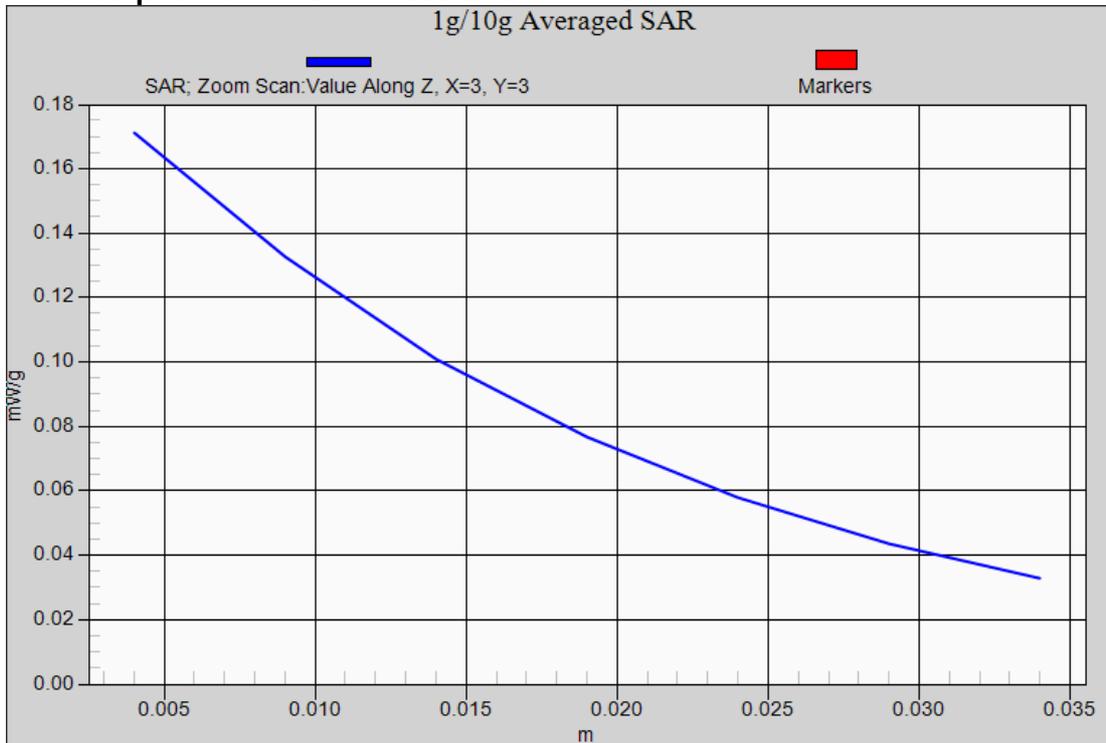
RightHandSide touched - WCDMA850 Channel 4233



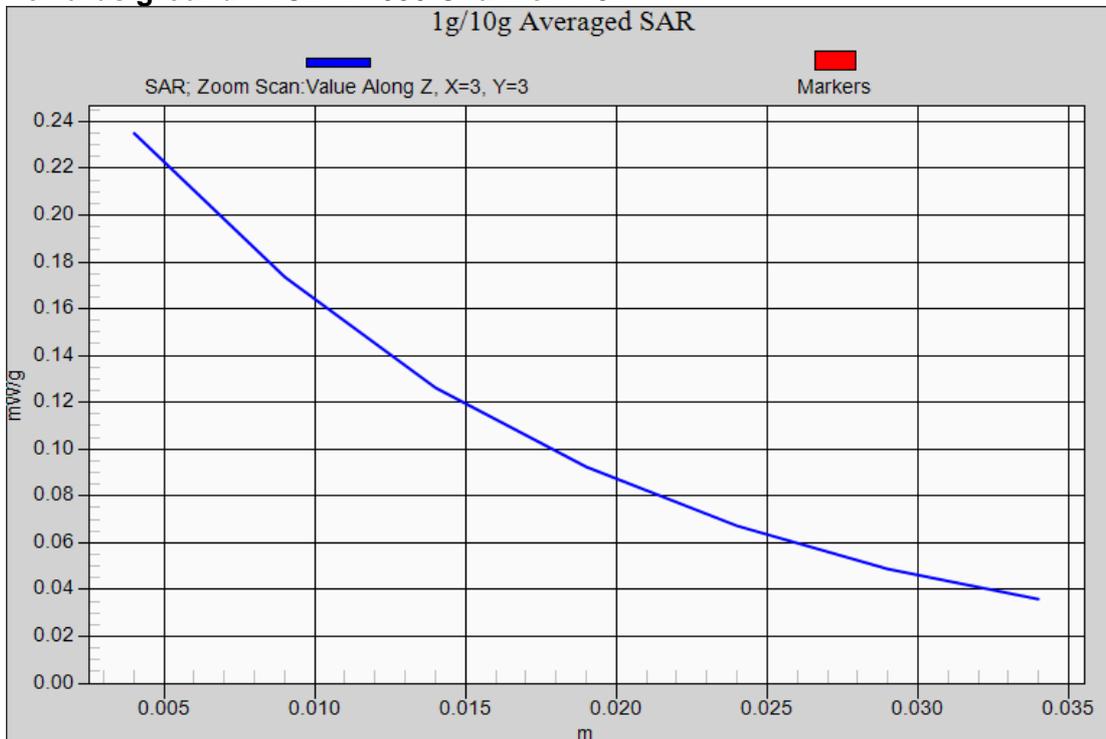
RightHandSide touched - WCDMA850 Channel 4132



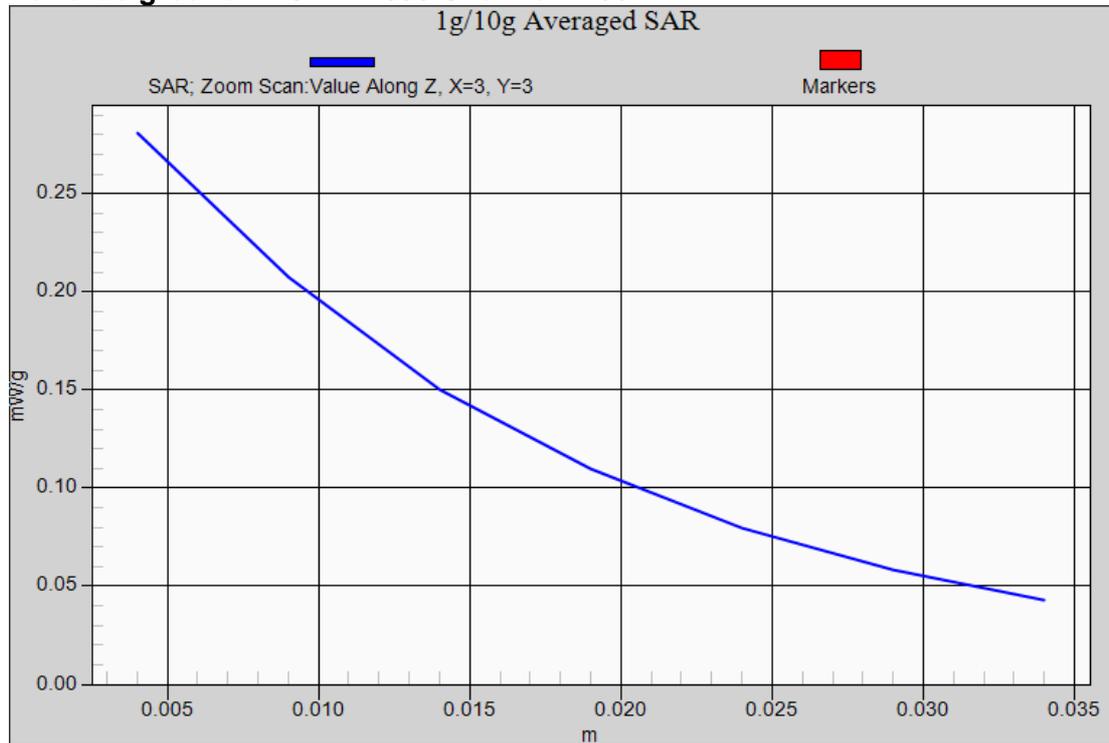
WCDMA850 Body
HUAWEI U7520-7/U7520-7
Towards phantom- WCDMA 850 Channel 4182



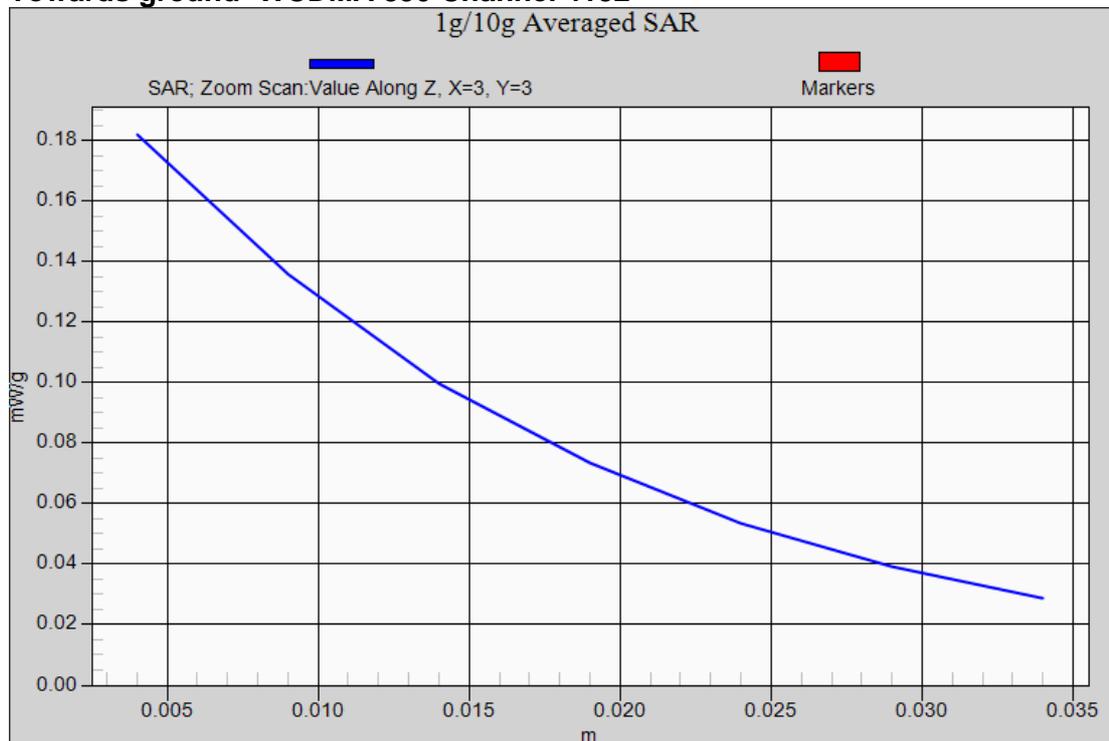
Towards ground- WCDMA 850 Channel 4182



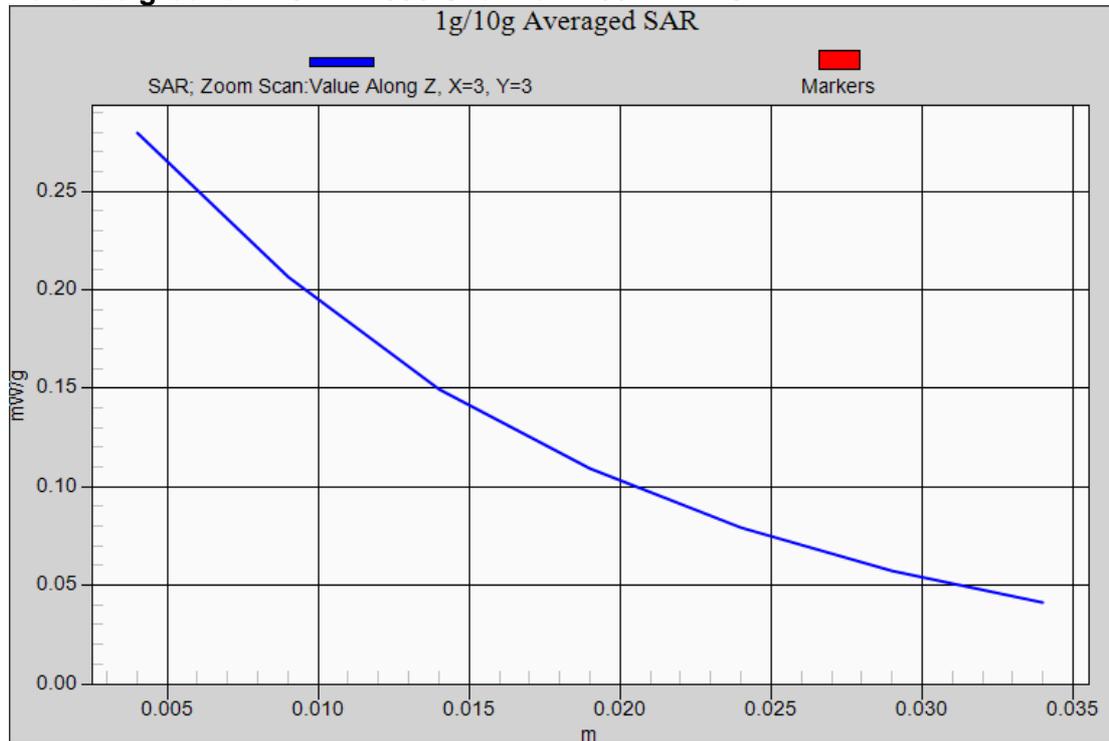
Towards ground- WCDMA 850 Channel 4233



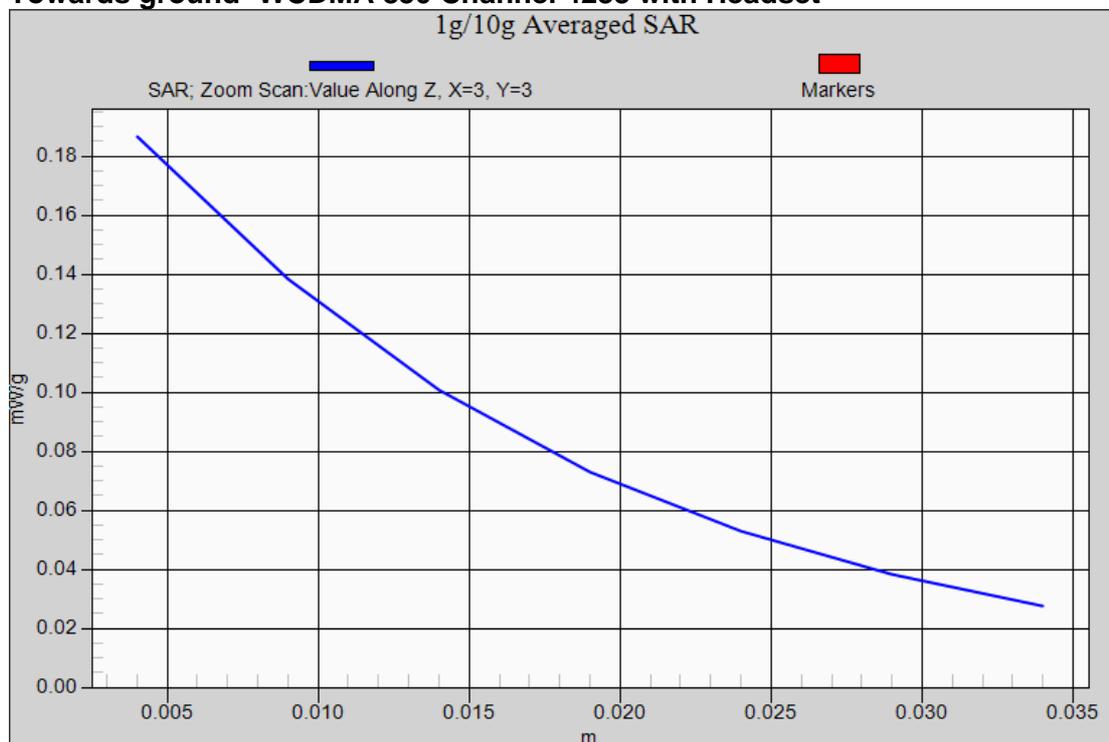
Towards ground- WCDMA 850 Channel 4132



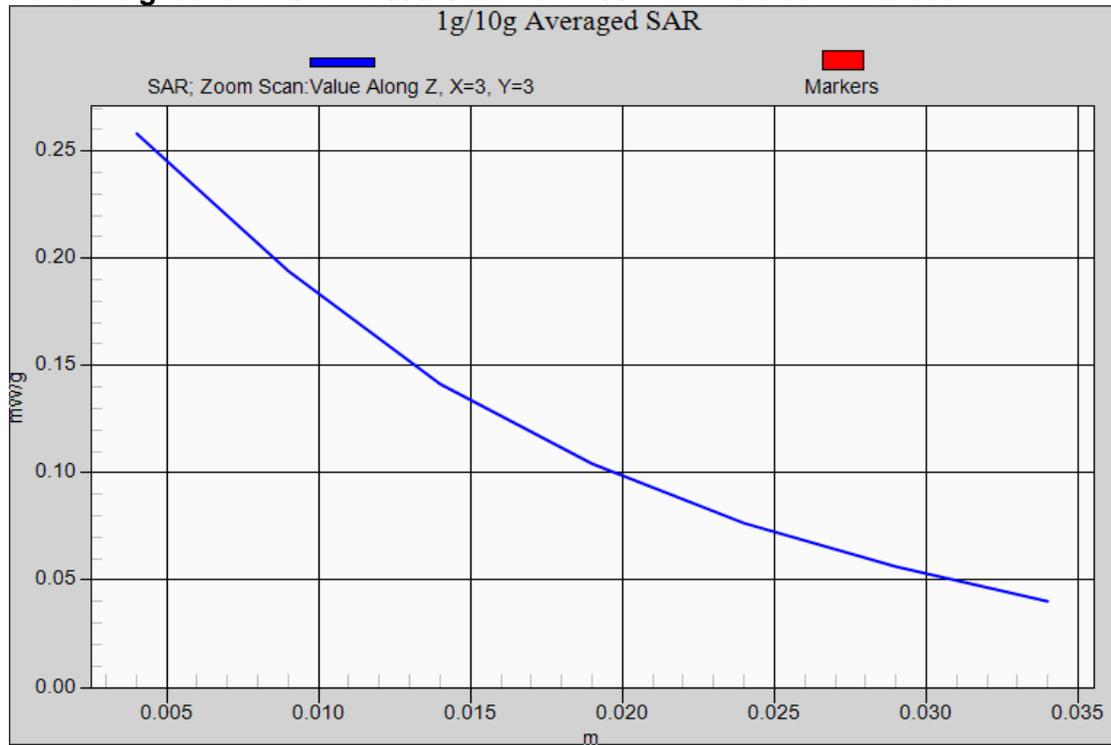
Towards ground- WCDMA 850 Channel 4233 with HSDPA



Towards ground- WCDMA 850 Channel 4233 with Headset



Towards ground- WCDMA 850 Channel 4233 with Bluetooth Headset



Annex 3 Calibration parameters

Calibration parameters are described in the additional document:

**Appendix to test report no. SYBH(Z-SAR) 004112010-2
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

