

Annex 2.8 WCDMA 850 MHz Body

Date/Time: 2/14/2011 7:46:33 PM, Date/Time: 2/14/2011 7:55:26 PM

P1528_OET65_EN62209- towards phantom- WCDMA850 Middle

DUT: U6150-5; Type: Handset; Serial: 9UA4CB10C0800084

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS Y5 (IEEE/IEC/ANSI C63.19-2007)

DAS Y5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/24/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DAS Y5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.262 mW/g

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

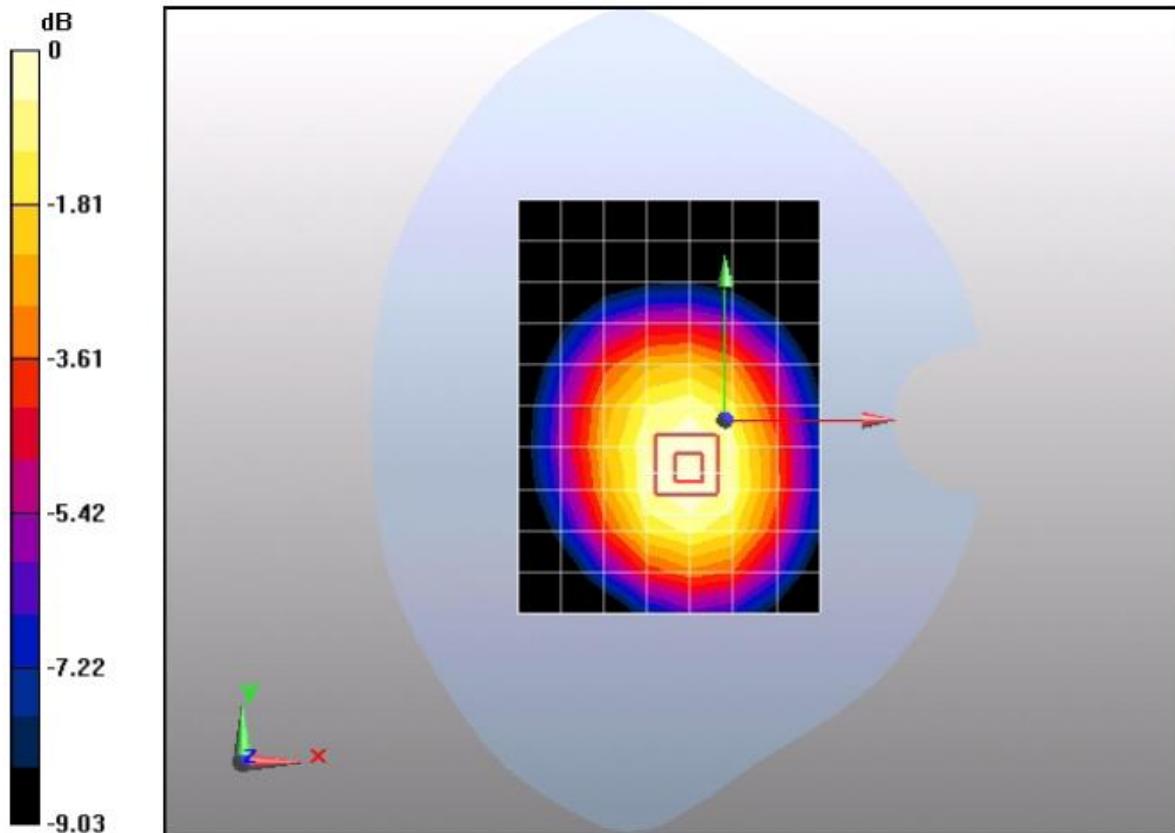
Reference Value = 16.2 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.315 W/kg

SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.187 mW/g

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

Maximum value of SAR (measured) = 0.264 mW/g



0 dB = 0.264mW/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: U6150-5; Type: Handset; Serial: 9UA4CB10C0800084
Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DAS Y5 (IEEE/IEC/ANSI C63.19-2007)

DAS Y5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/24/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DAS Y5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.356 mW/g

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

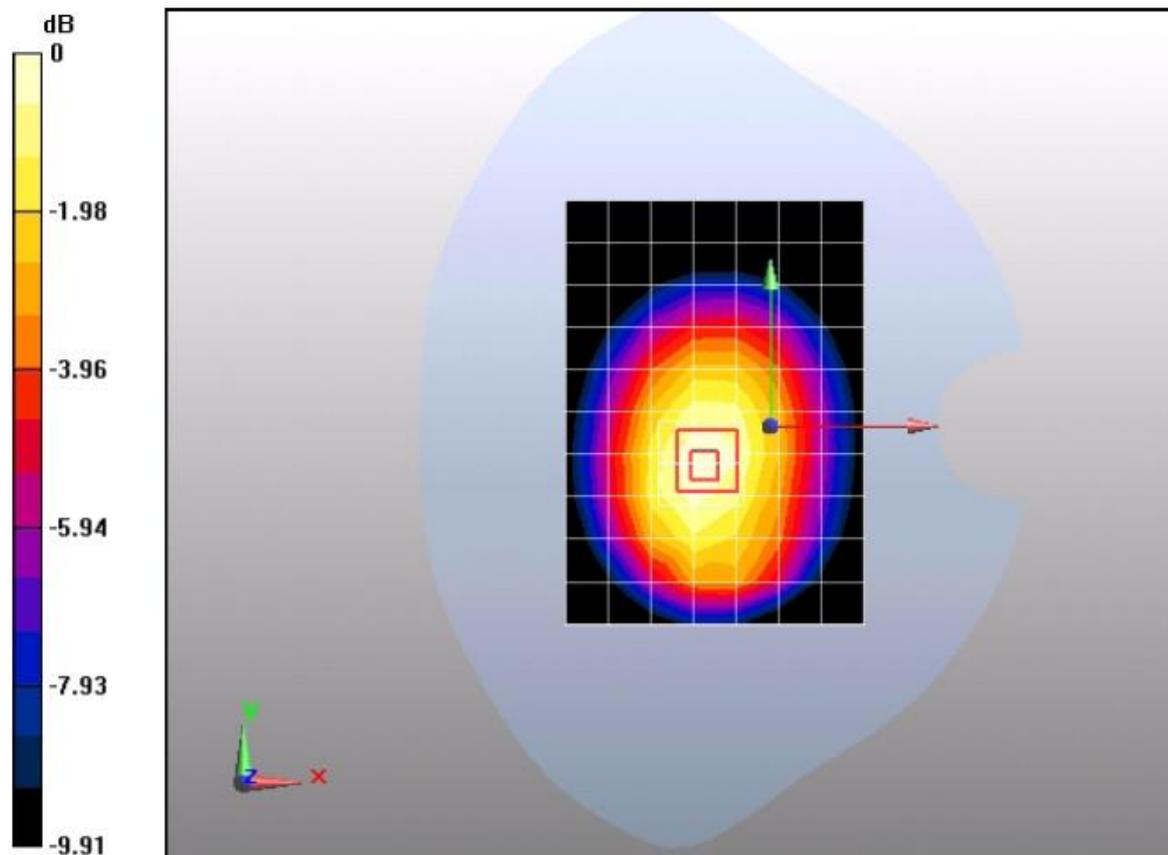
Reference Value = 18.4 V/m; Power Drift = 0.178 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.254 mW/g

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

Maximum value of SAR (measured) = 0.369 mW/g



0 dB = 0.369mW/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: U6150-5; Type: Handset; Serial: 9UA4CB10C0800084

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

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.992$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS Y5 (IEEE/IEC/ANSI C63.19-2007)

DAS Y5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/24/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DAS Y5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.487 mW/g

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

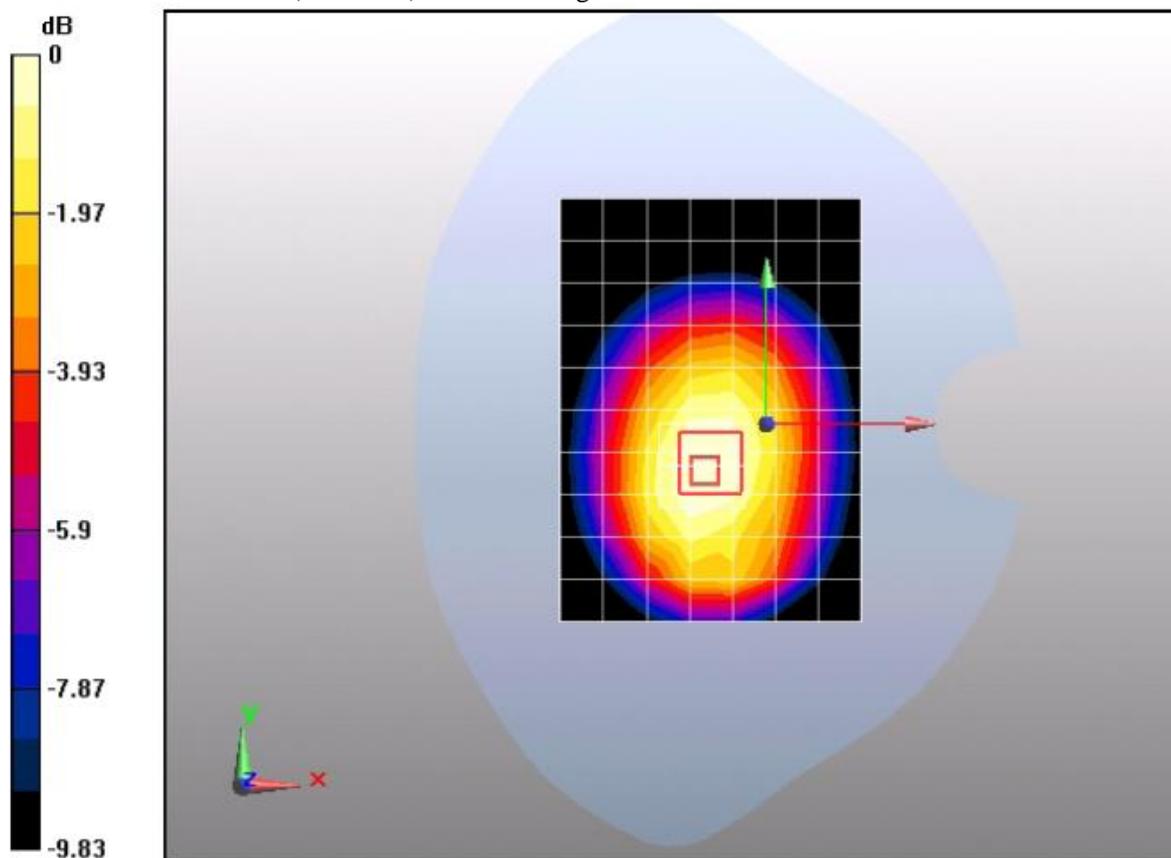
Reference Value = 21 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 0.602 W/kg

SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.339 mW/g

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

Maximum value of SAR (measured) = 0.488 mW/g



0 dB = 0.488mW/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: U6150-5; Type: Handset; Serial: 9UA4CB10C0800084

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS Y5 (IEEE/IEC/ANSI C63.19-2007)

DAS Y5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/24/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DAS Y5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.427 mW/g

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

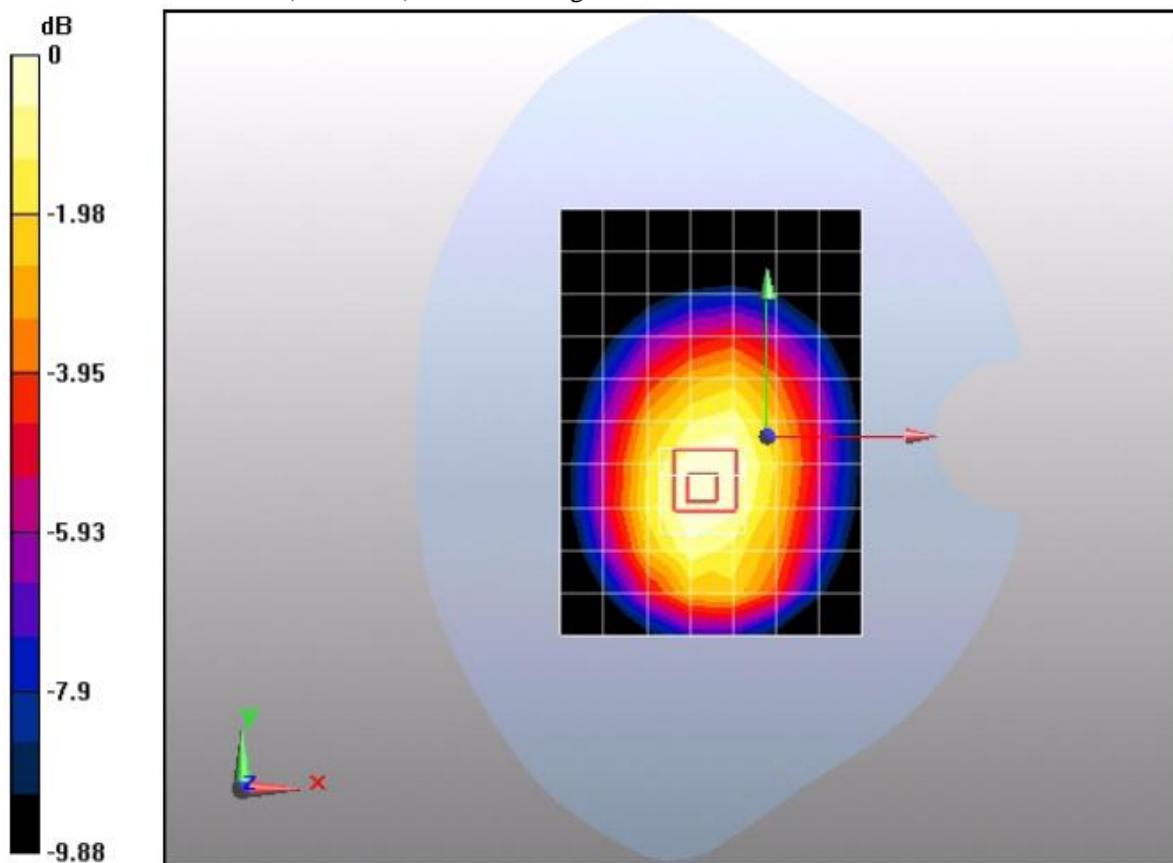
Reference Value = 20.6 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.292 mW/g

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

Maximum value of SAR (measured) = 0.424 mW/g



0 dB = 0.424mW/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

Date/Time: 2/14/2011 10:04:30 PM, Date/Time: 2/14/2011 10:13:22 PM

P1528_OET65_EN62209- towards ground with Headset – WCDMA850 High

DUT: U6150-5; Type: Handset; Serial: 9UA4CB10C0800084

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

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.992$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS Y5 (IEEE/IEC/ANSI C63.19-2007)

DAS Y5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/24/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DAS Y5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

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

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

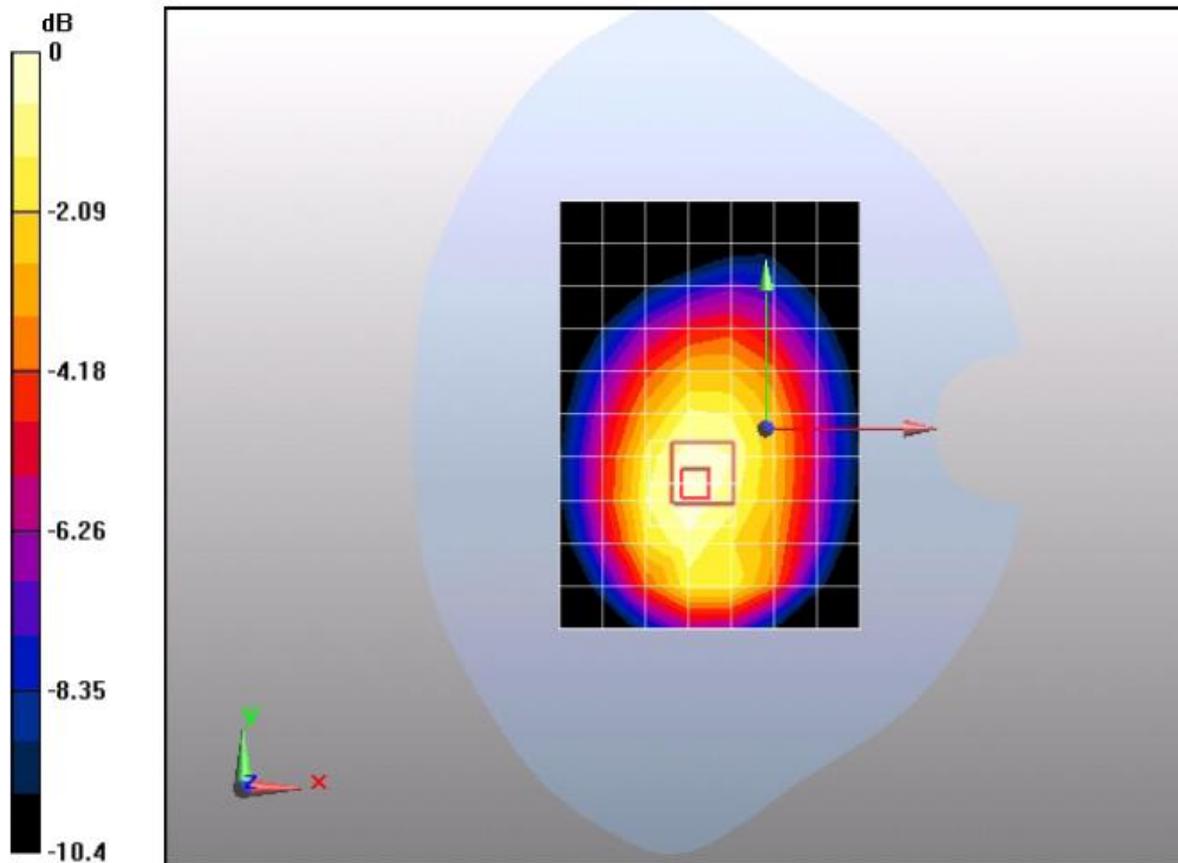
Reference Value = 17.8 V/m; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.254 mW/g

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

Maximum value of SAR (measured) = 0.374 mW/g



0 dB = 0.374mW/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

Date/Time: 2/14/2011 10:38:30 PM, Date/Time: 2/14/2011 10:47:22 PM

**P1528_OET65_EN62209- towards ground with Bluetooth Headset – WCDMA850 High
DUT: HUAWEI U6150-5/U6150-5**

DUT: U6150-5; Type: Handset; Serial: 9UA4CB10C0800084

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

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.992$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS Y5 (IEEE/IEC/ANSI C63.19-2007)

DAS Y5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); Calibrated: 12/23/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 12/24/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DAS Y5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.477 mW/g

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

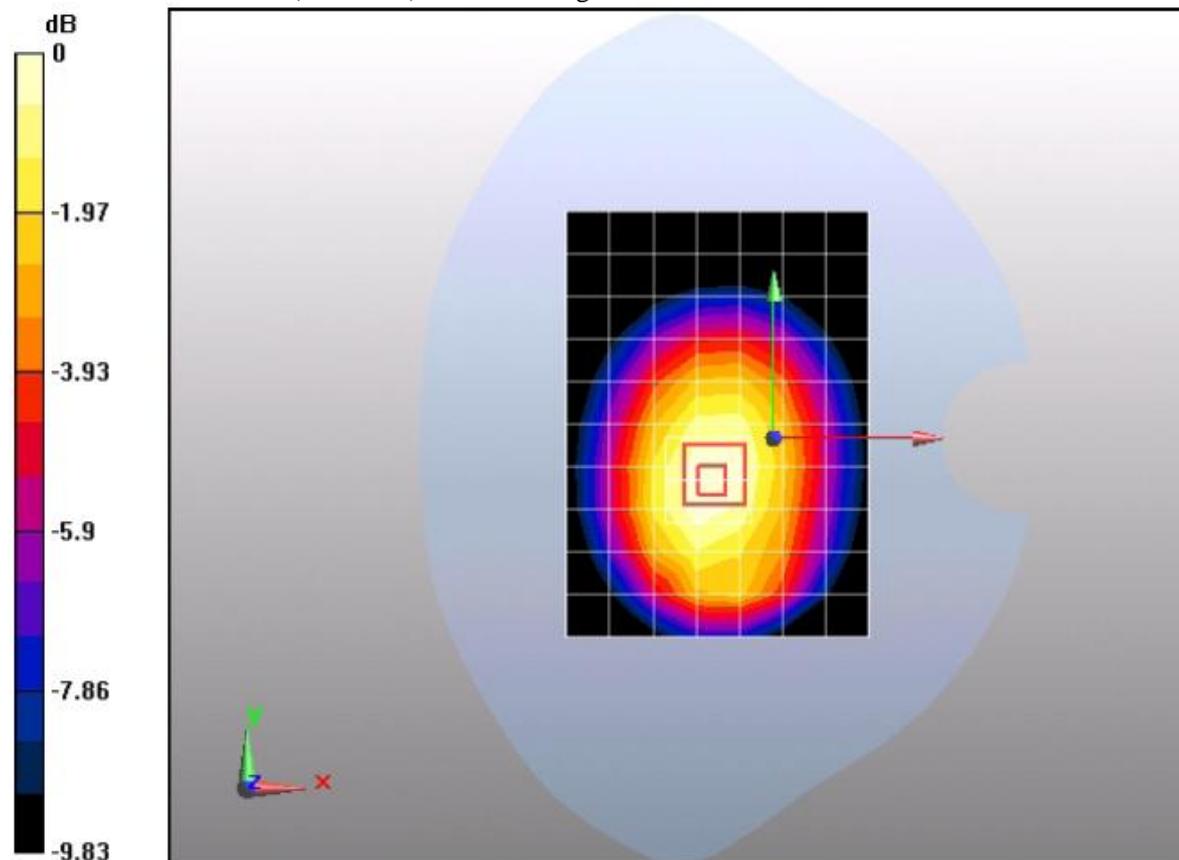
Reference Value = 21.4 V/m; Power Drift = 0.00416 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.346 mW/g

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

Maximum value of SAR (measured) = 0.498 mW/g



0 dB = 0.498mW/g

Additional information:

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

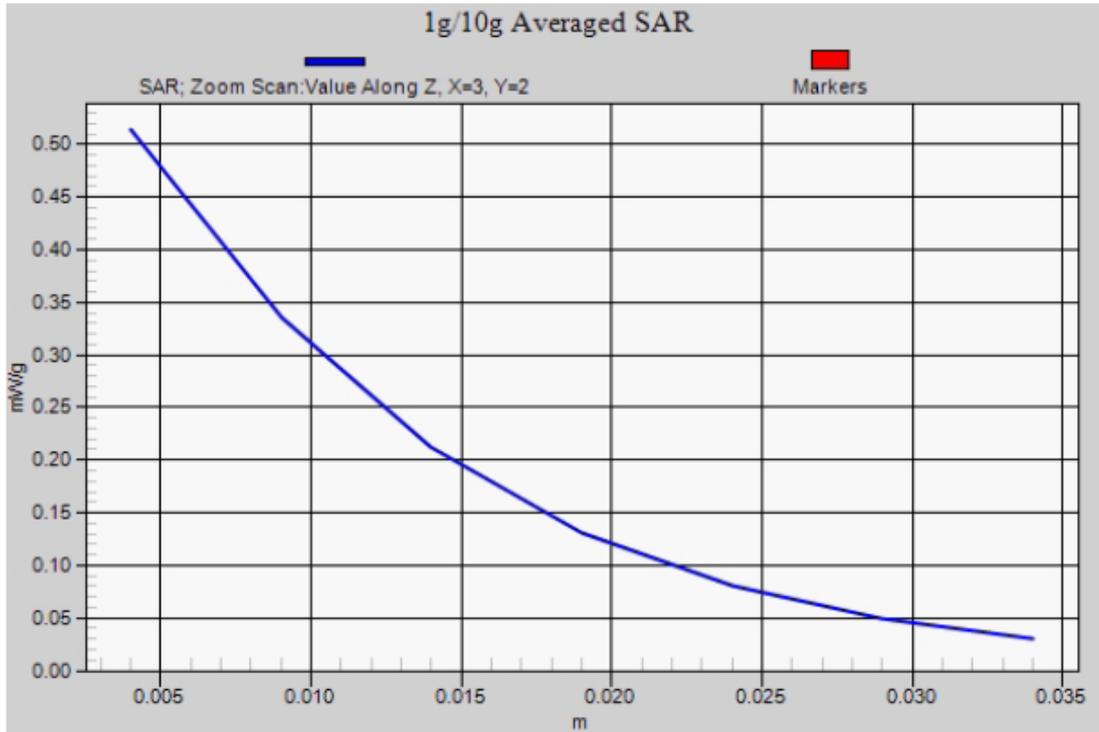
ambient temperature: 22.3°C; liquid temperature: 21.6°C

Annex 2.9 Z-axis scans

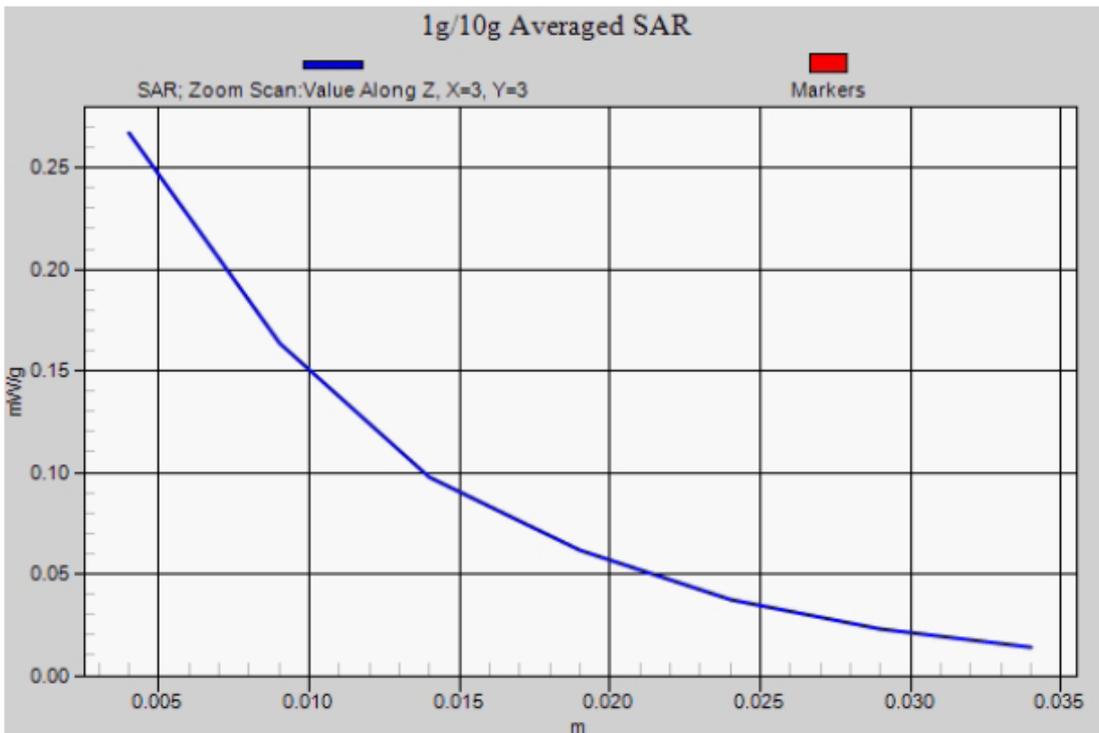
GSM 1900 Head:

HUAWEI U6150-5/U6150-5

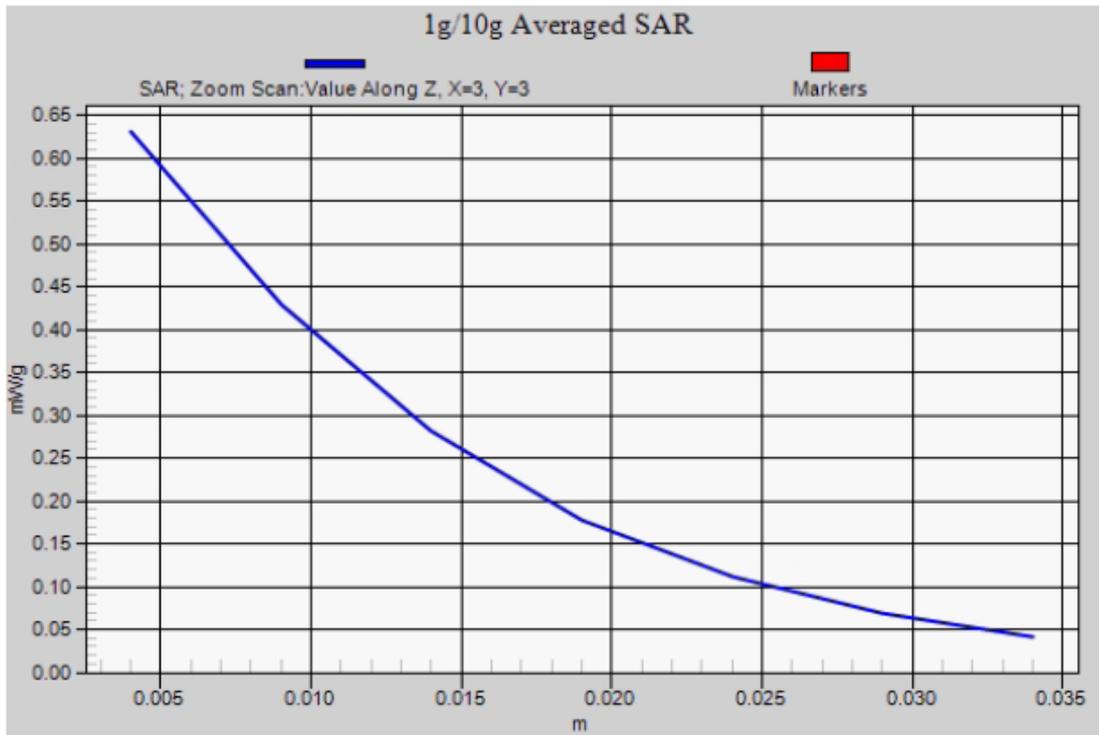
LeftHandSide touched -GSM1900 Channel 661



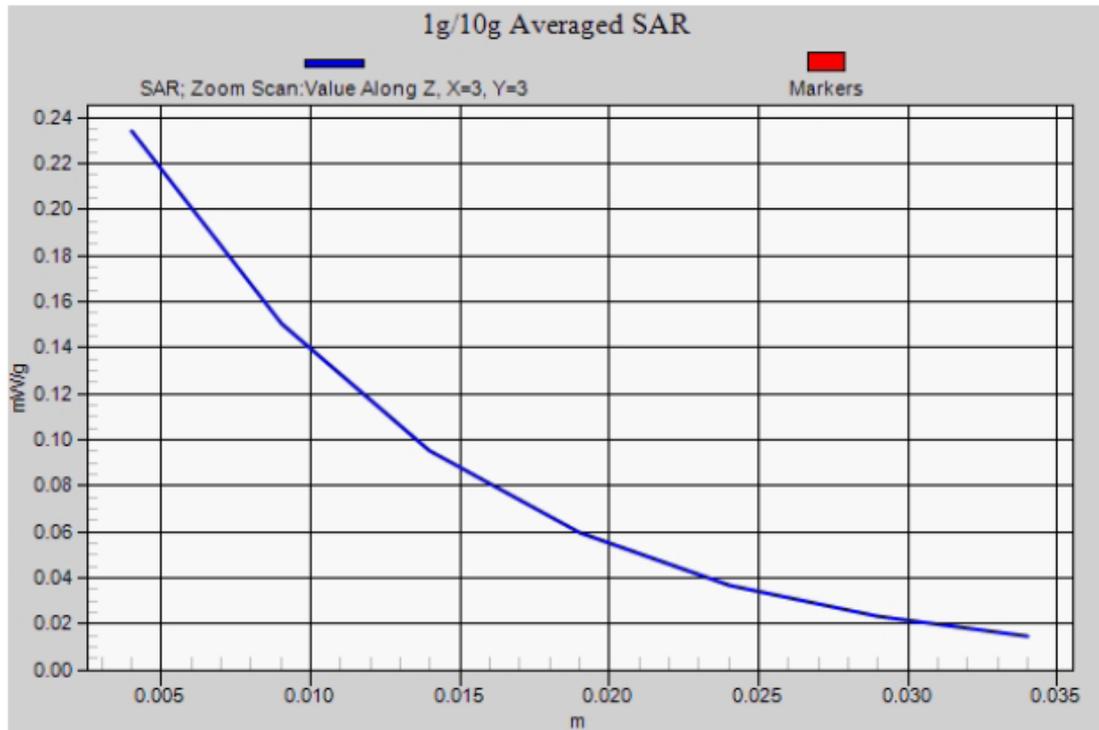
LeftHandSide tilted 15° -GSM1900 Channel 661



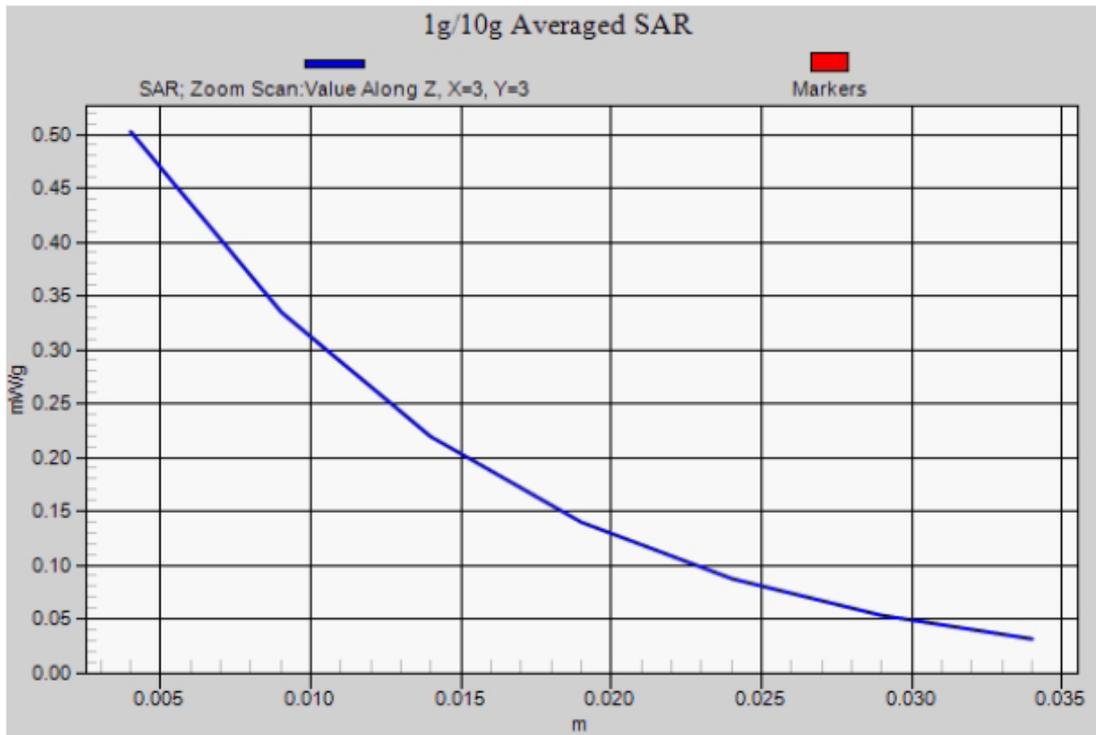
RightHandSide touched -GSM1900 Channel 661



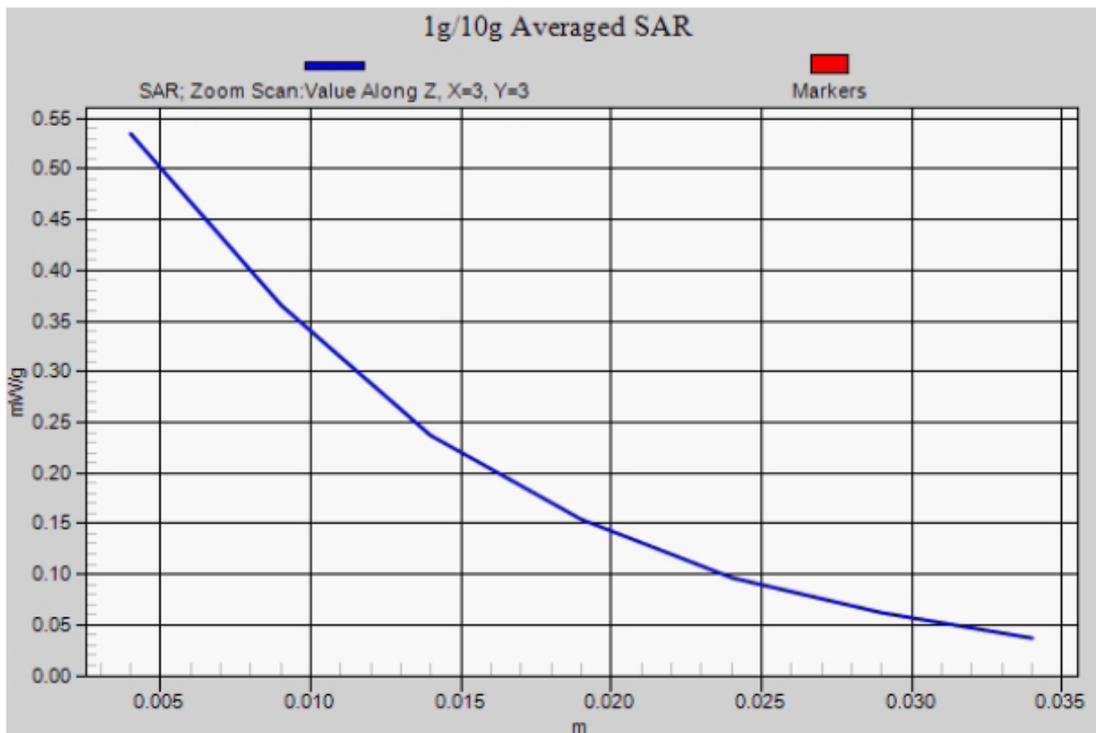
RightHandSide tilted 15° -GSM1900 Channel 661



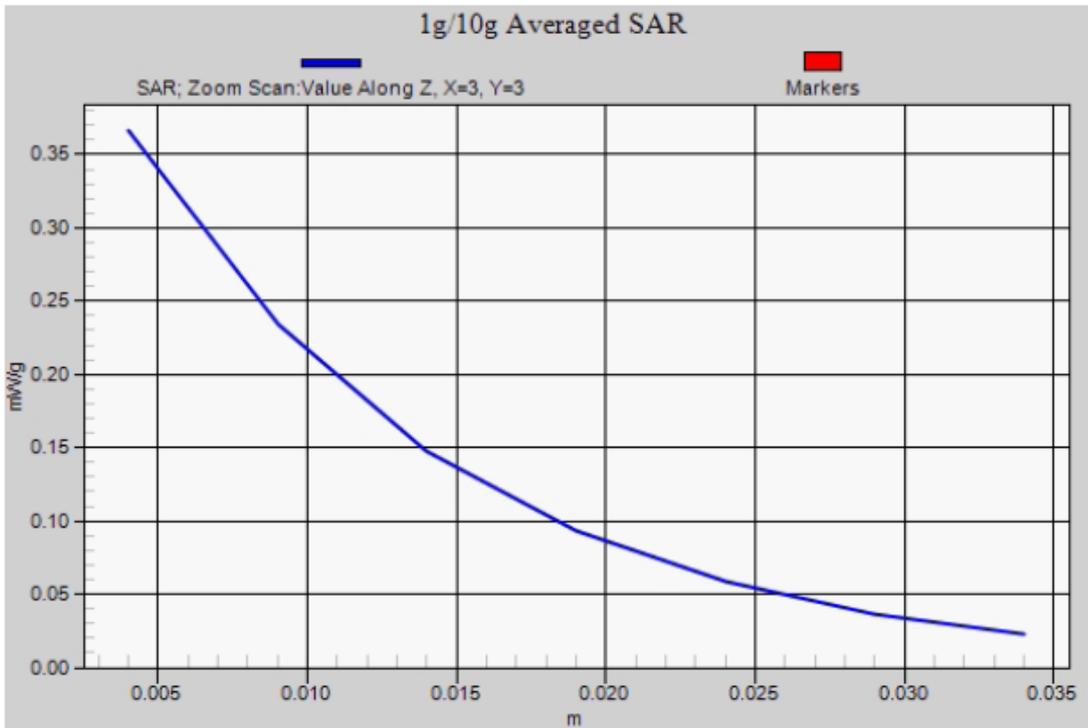
RightHandSide touched -GSM1900 Channel 810



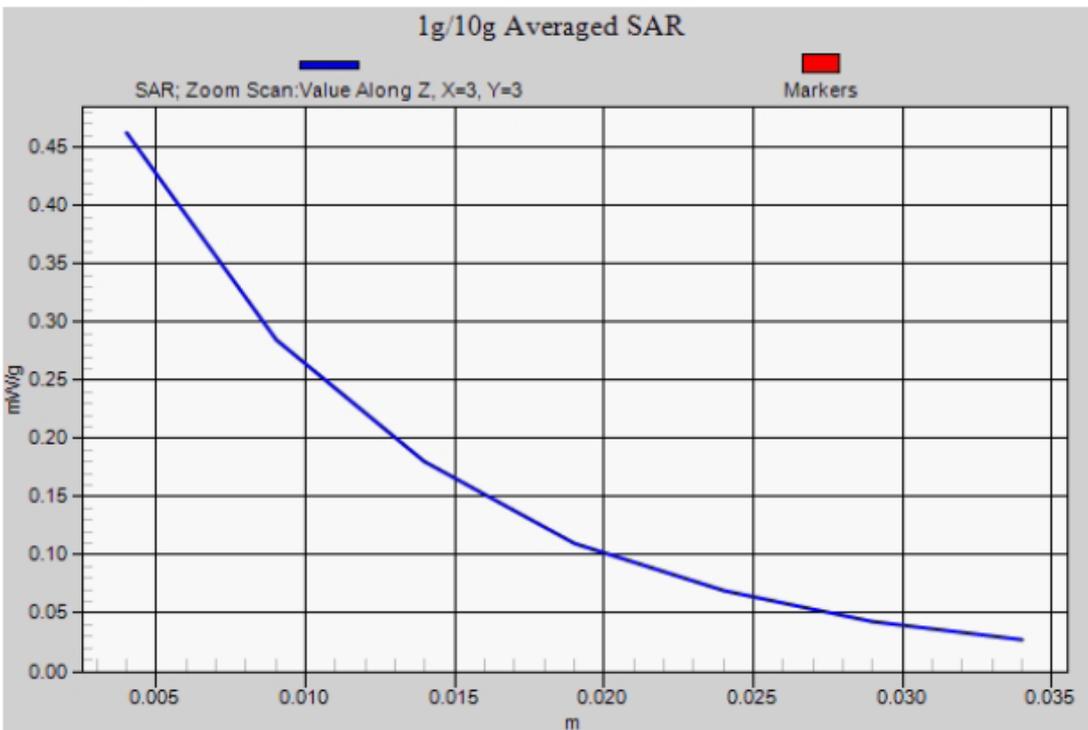
RightHandSide touched -GSM1900 Channel 512



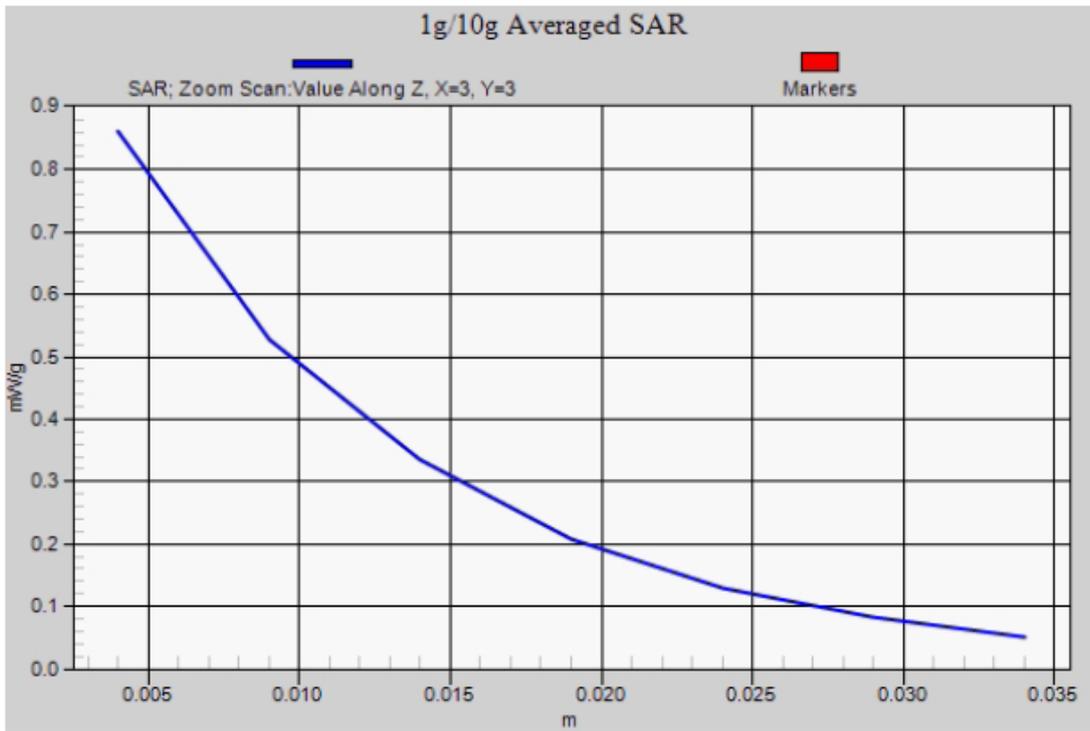
GSM1900 Body:
HUAWEI U6150-5/U6150-5
Towards phantom- GSM1900 GPRS 1TS Channel 661



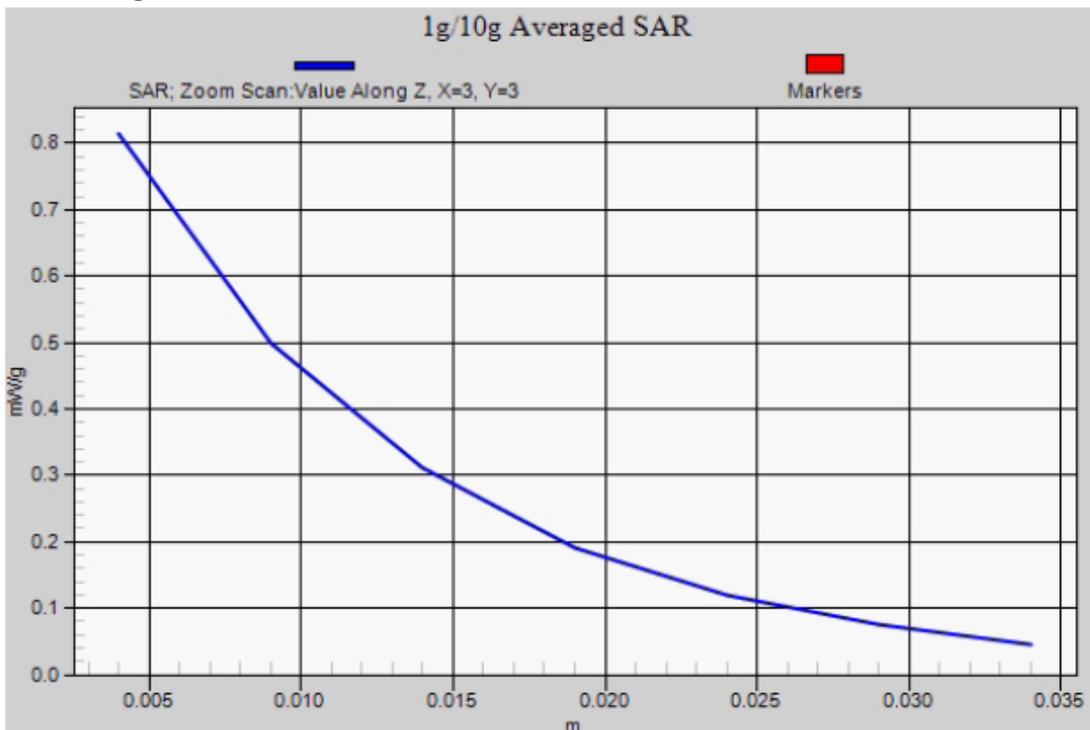
Towards ground- GSM1900 GPRS 1TS Channel 661



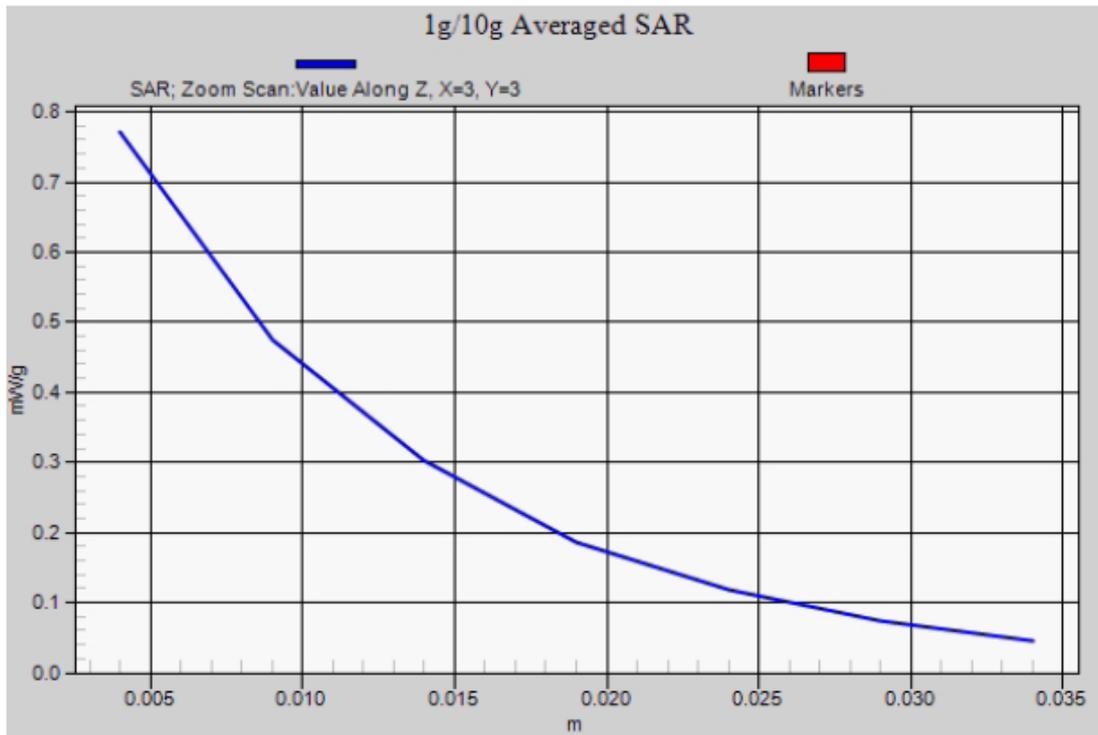
Towards ground- GSM1900 GPRS 2TS Channel 661



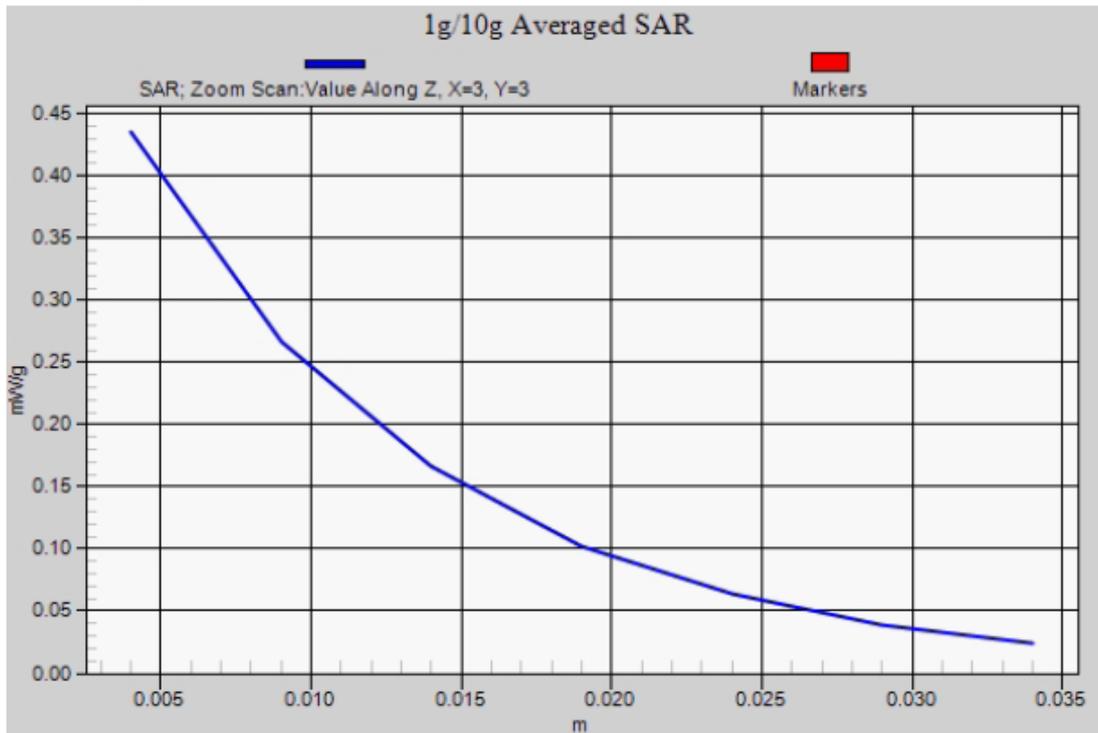
Towards ground- GSM1900 GPRS 2TS Channel 810



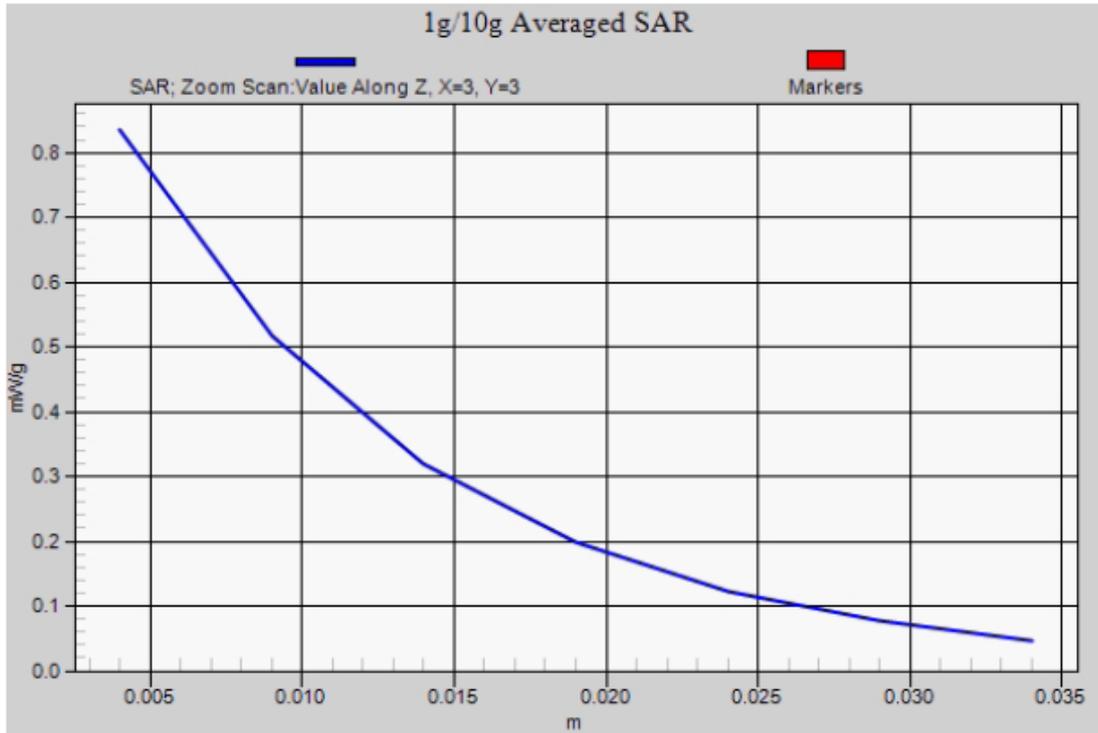
Towards ground- GSM1900 GPRS 2TS Channel 512



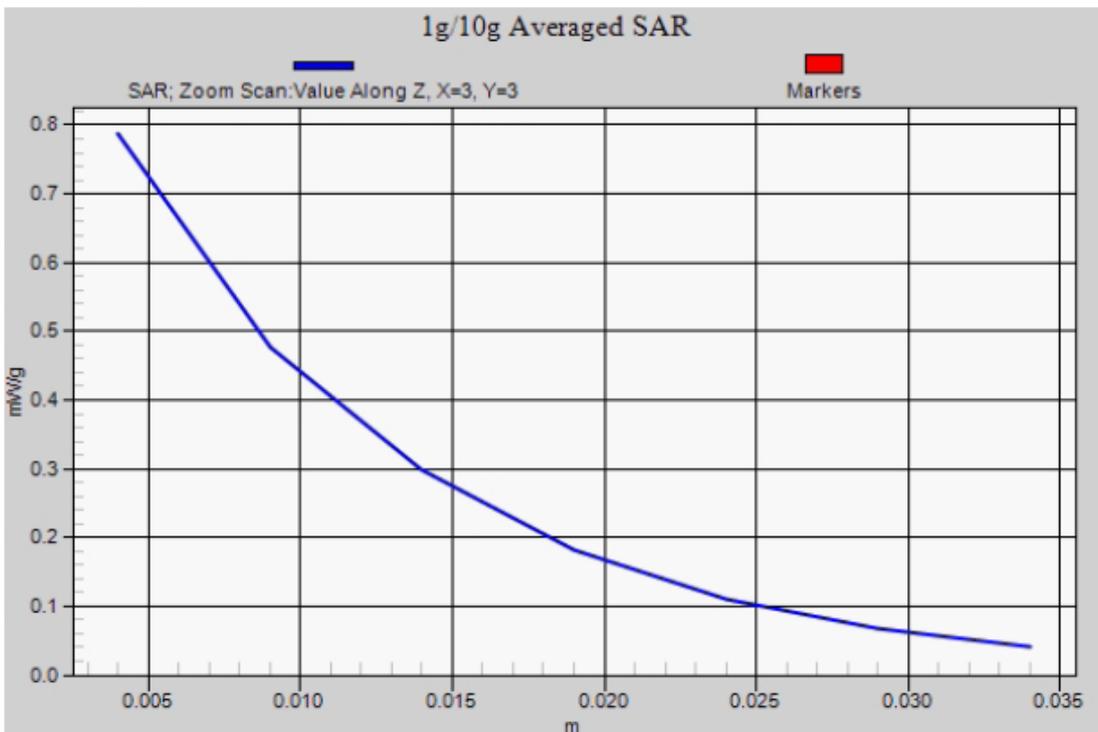
Towards ground- GSM1900 EGPRS 1TS Channel 661



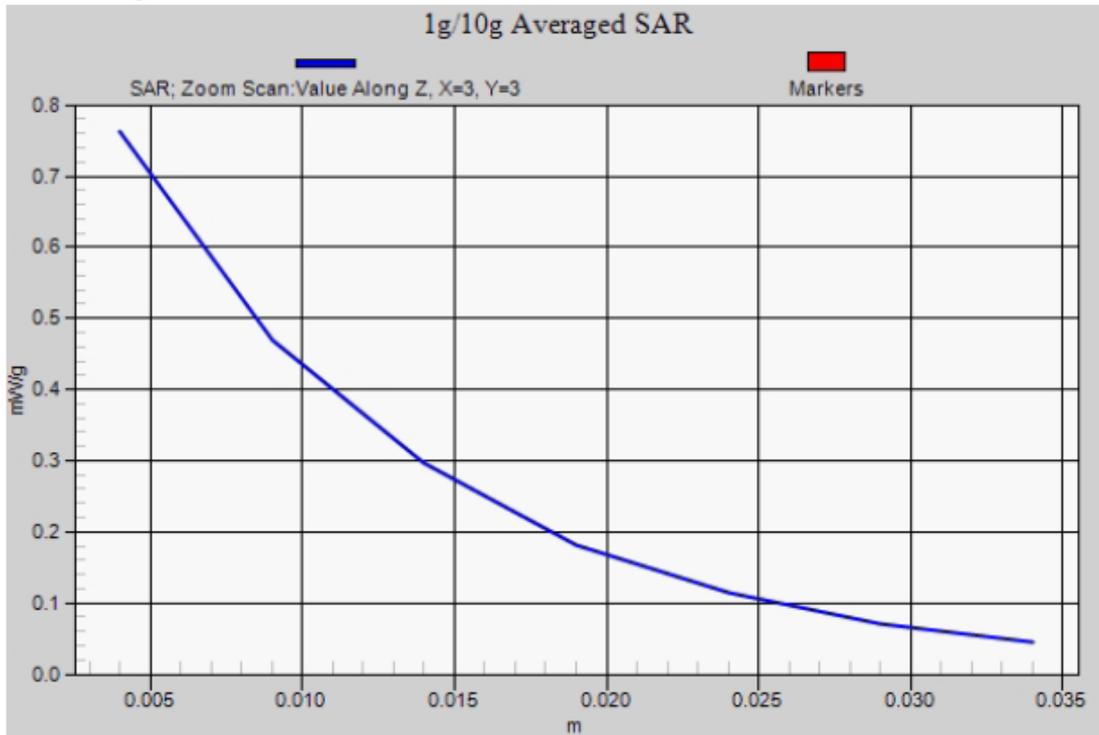
Towards ground- GSM1900 EGPRS 2TS Channel 661



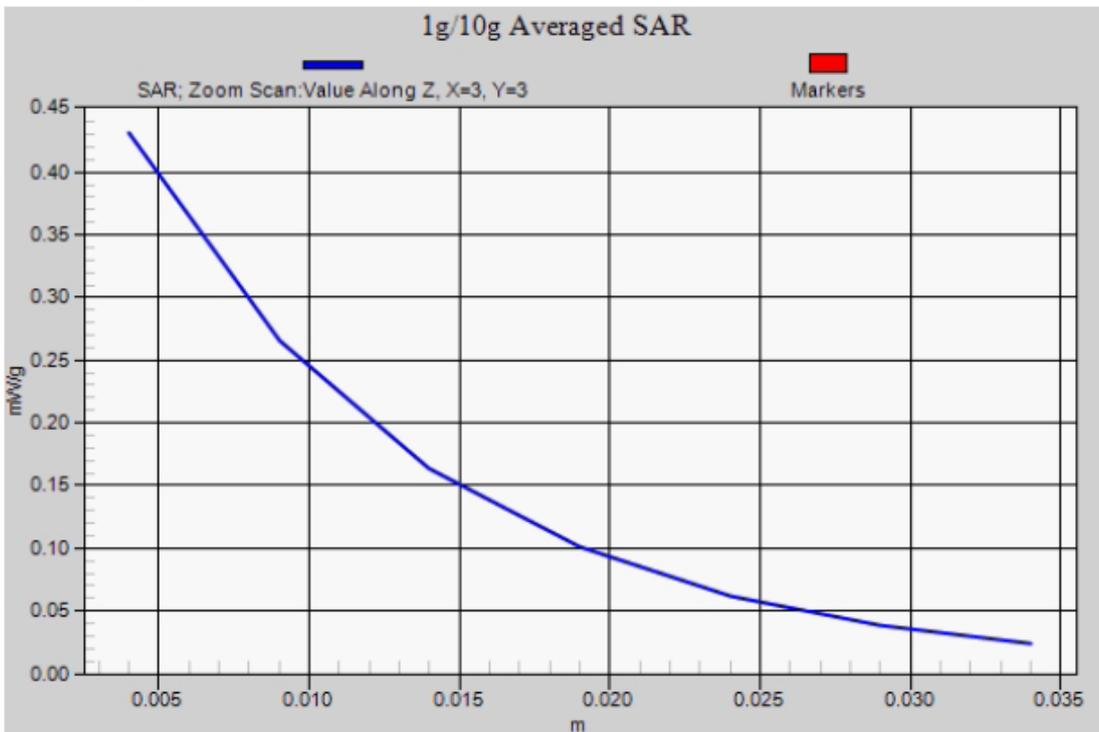
Towards ground- GSM1900 EGPRS 2TS Channel 810



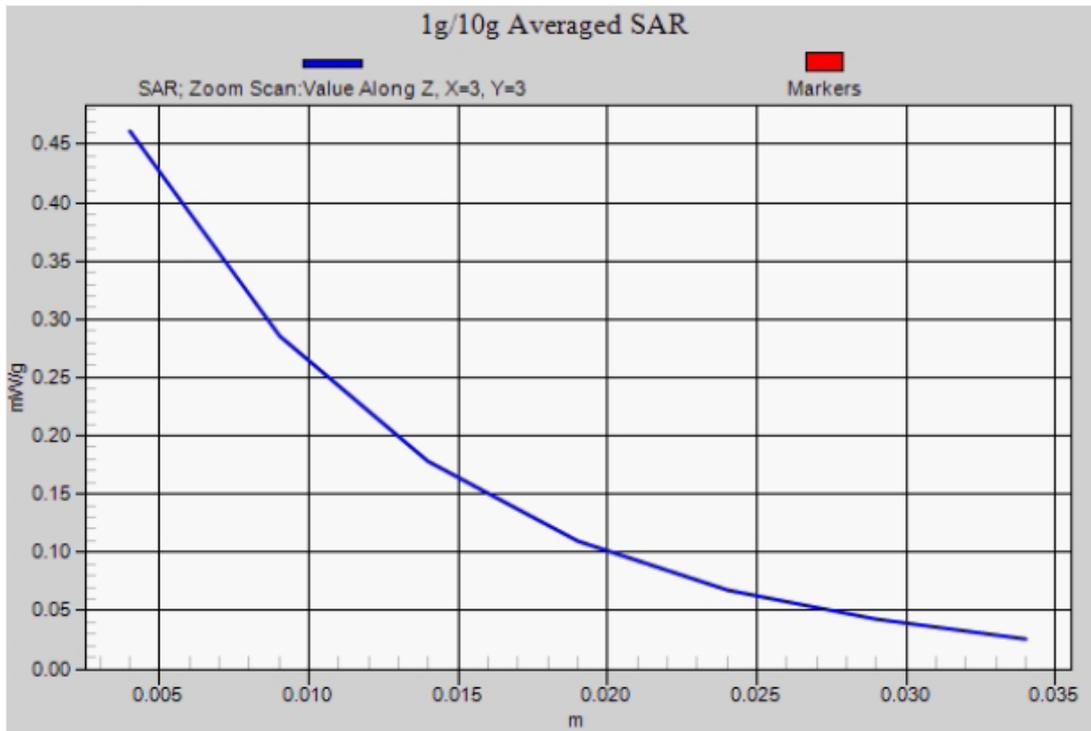
Towards ground- GSM1900 EGPRS 2TS Channel 512



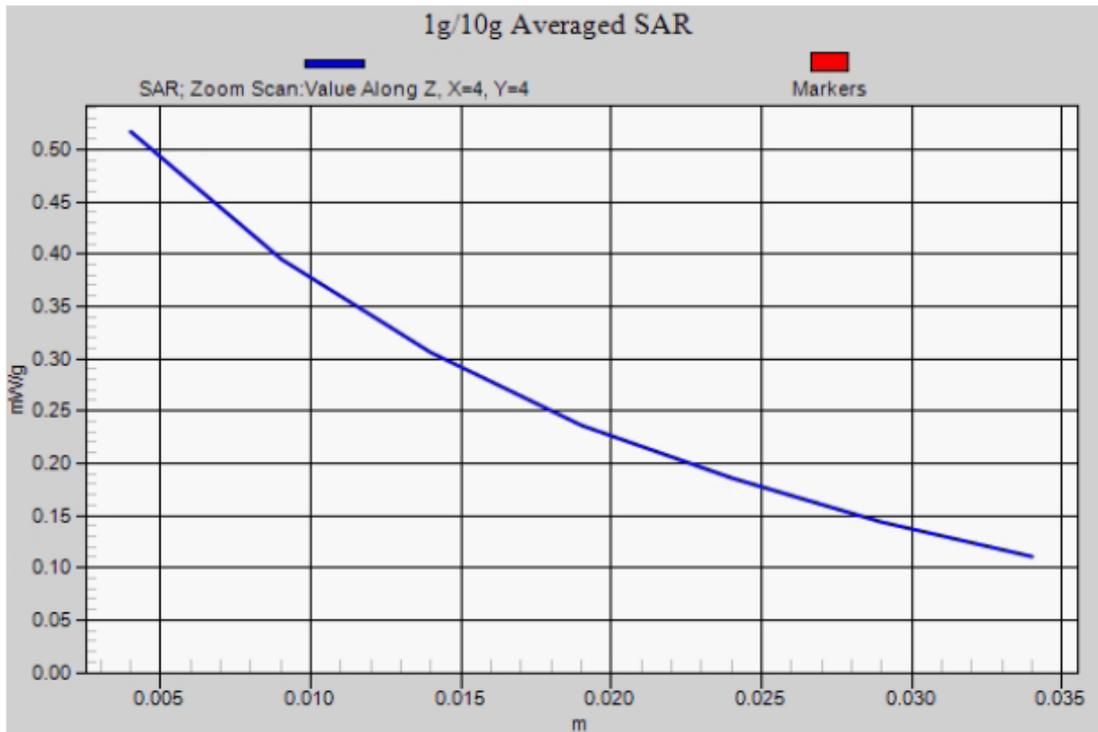
Towards ground- GSM1900 with Headset Channel 661



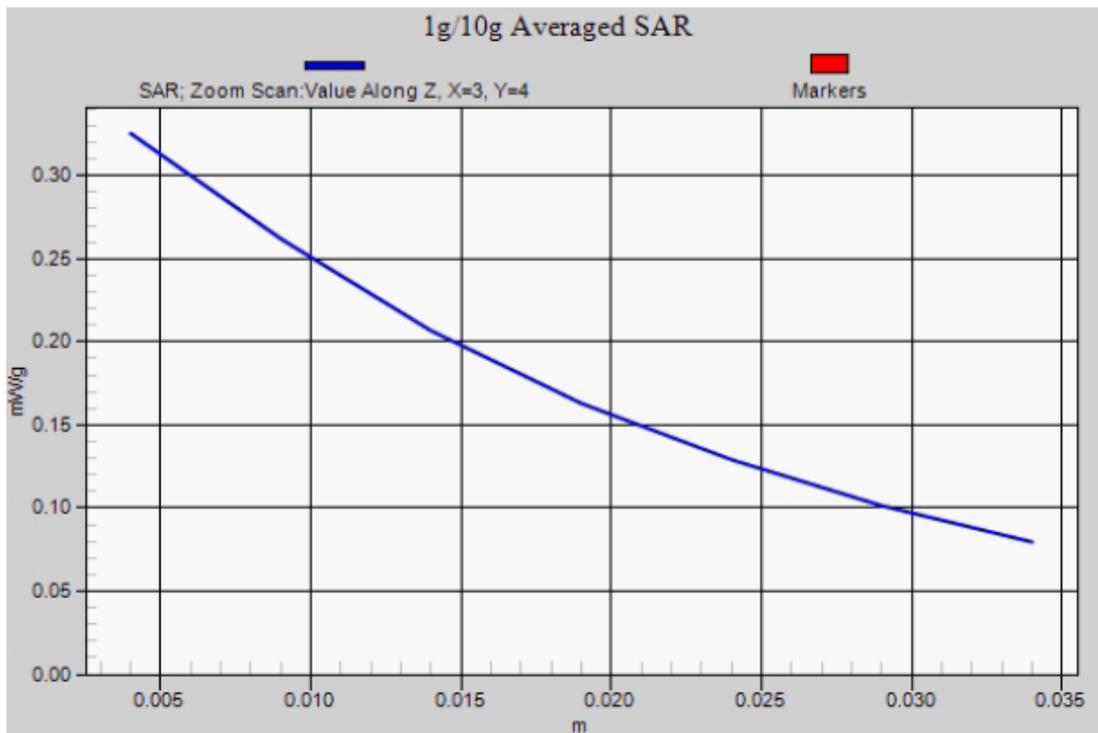
Towards ground- GSM1900 with Bluetooth Headset Channel 661



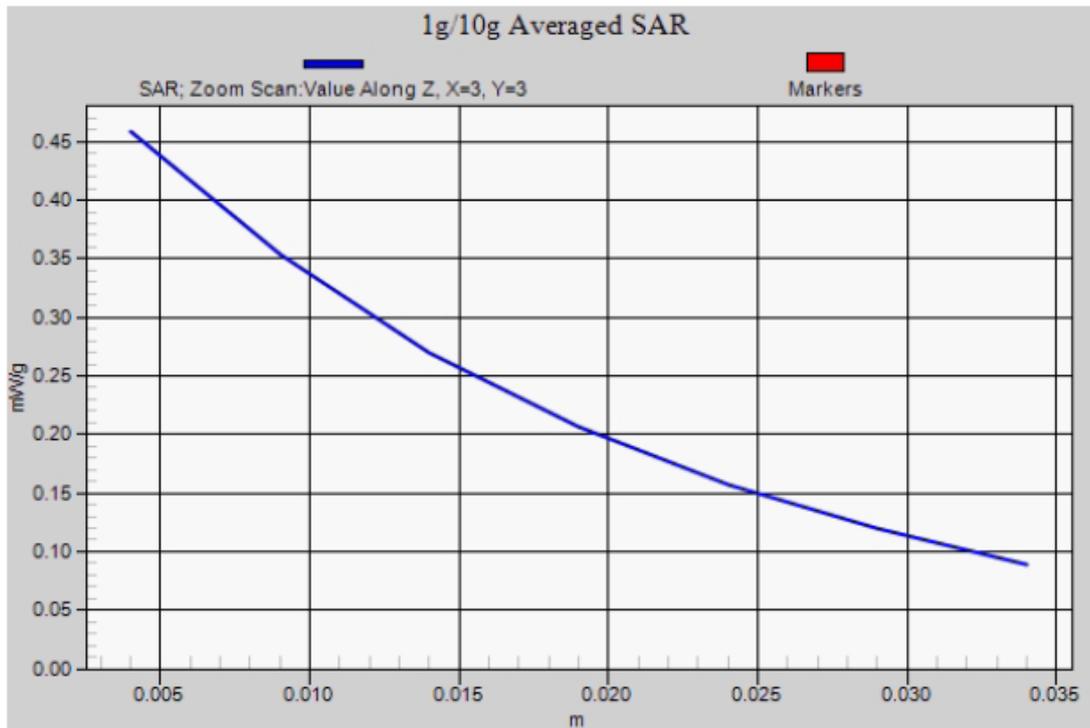
GSM850 Head:
HUAWEI U6150-5/U6150-5
LeftHandSide touched - GSM850 Channel 190



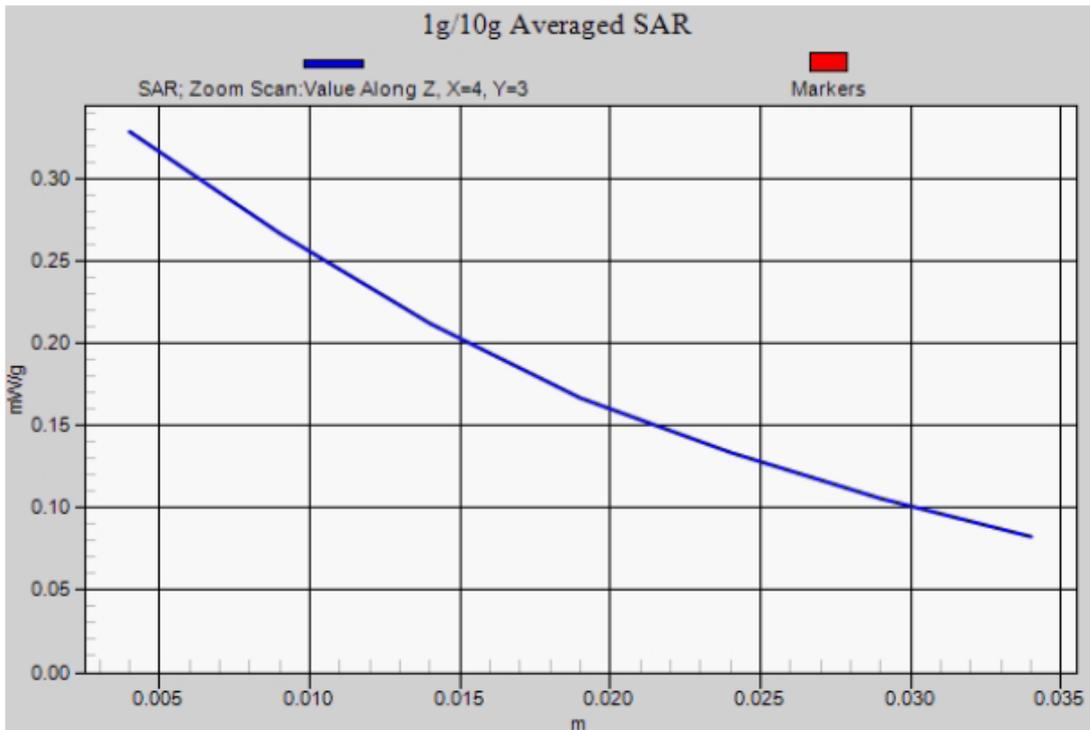
LeftHandSide tilted 15° - GSM850 Channel 190



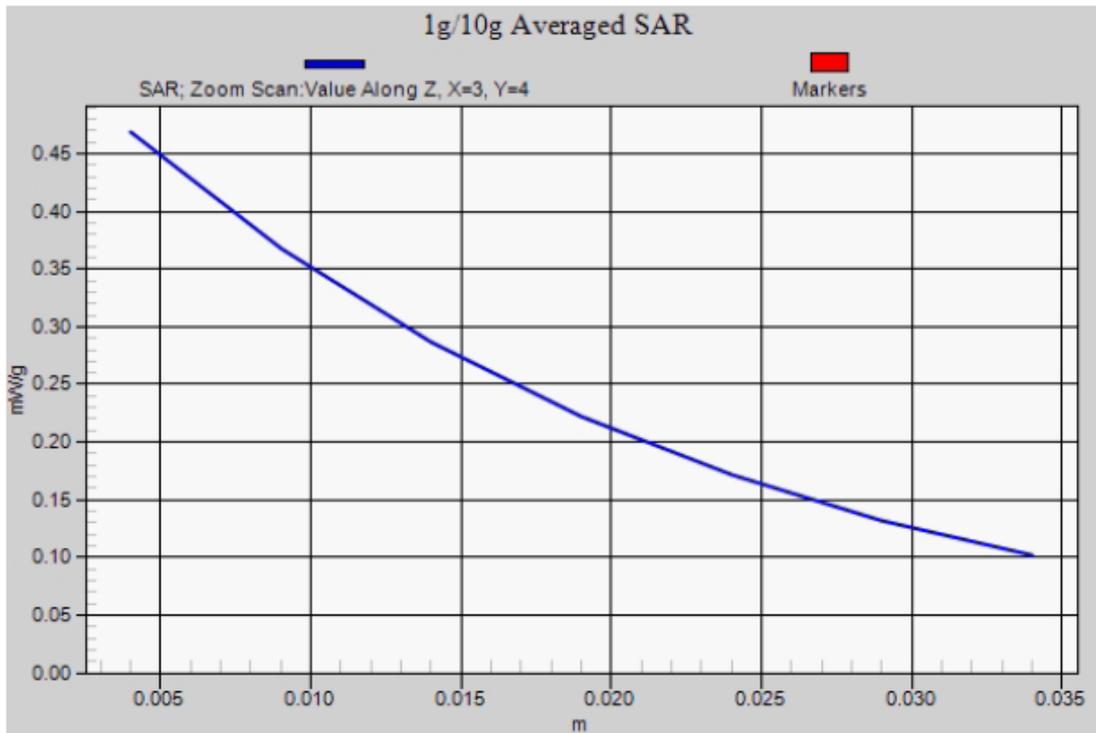
RightHandSide touched - GSM850 Channel 190



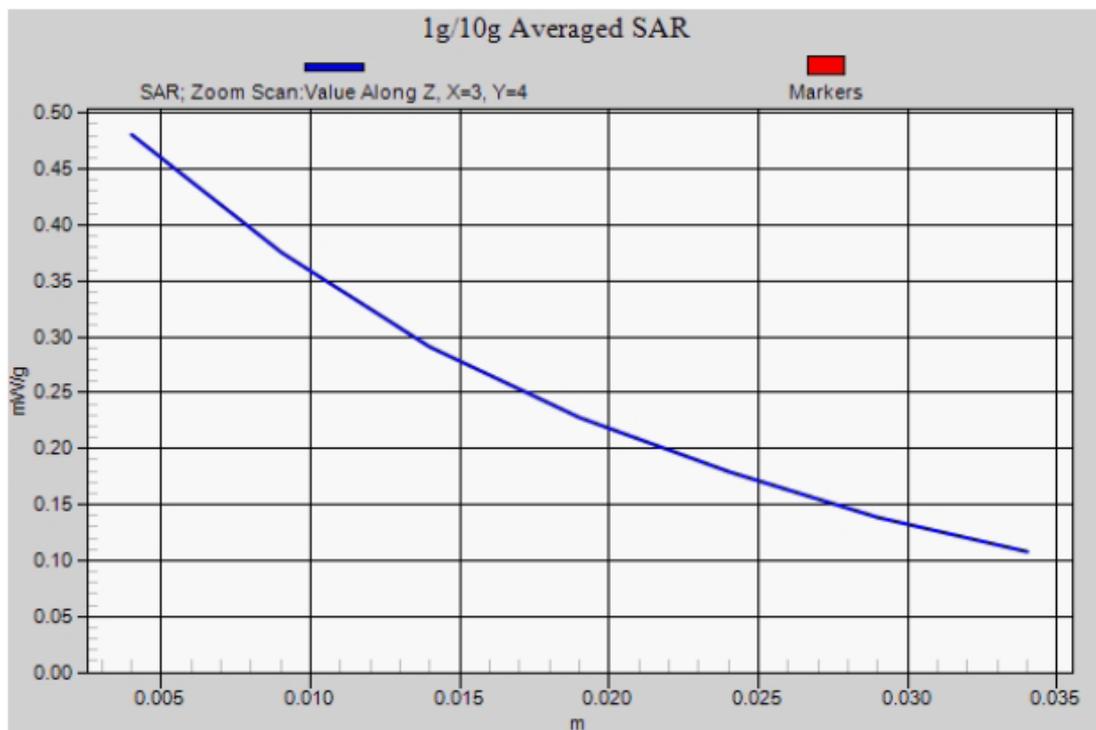
RightHandSide tilted 15° - GSM850 Channel 190



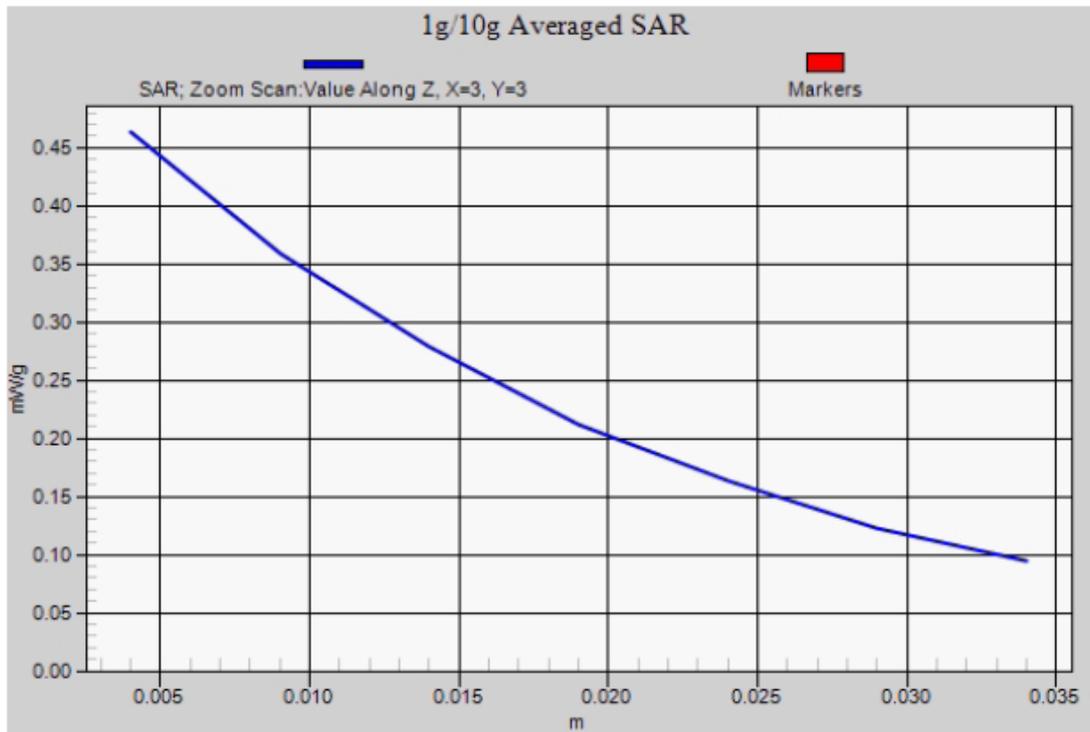
LeftHandSide touched - GSM850 Channel 251



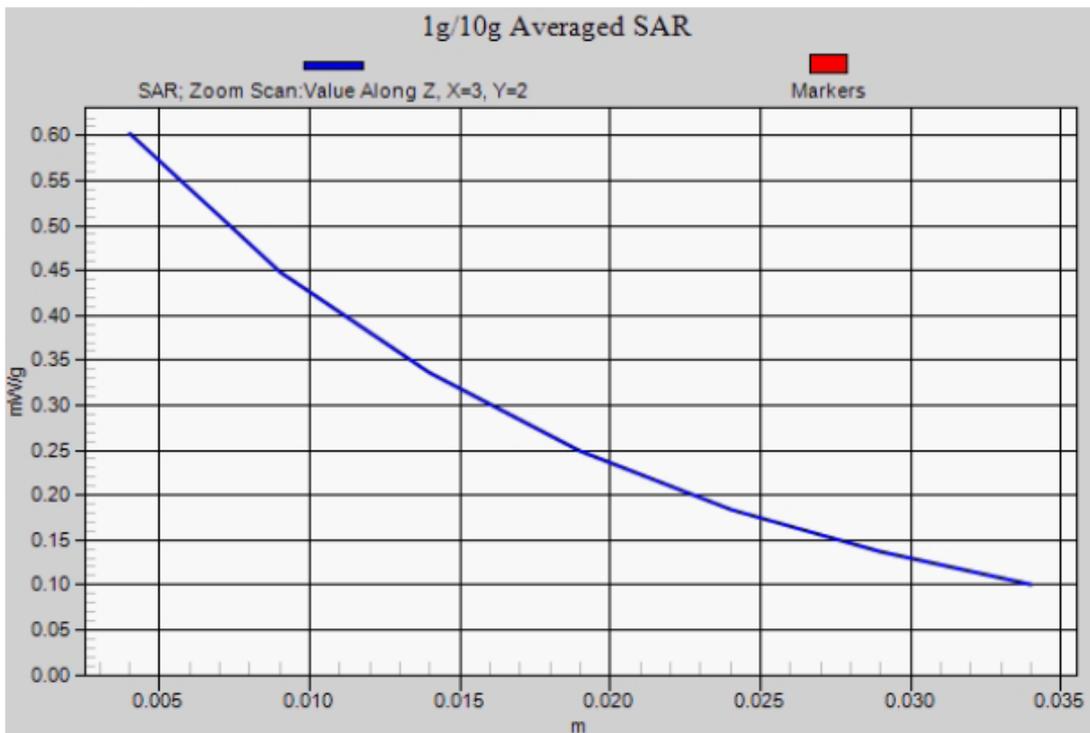
LeftHandSide touched - GSM850 Channel 128



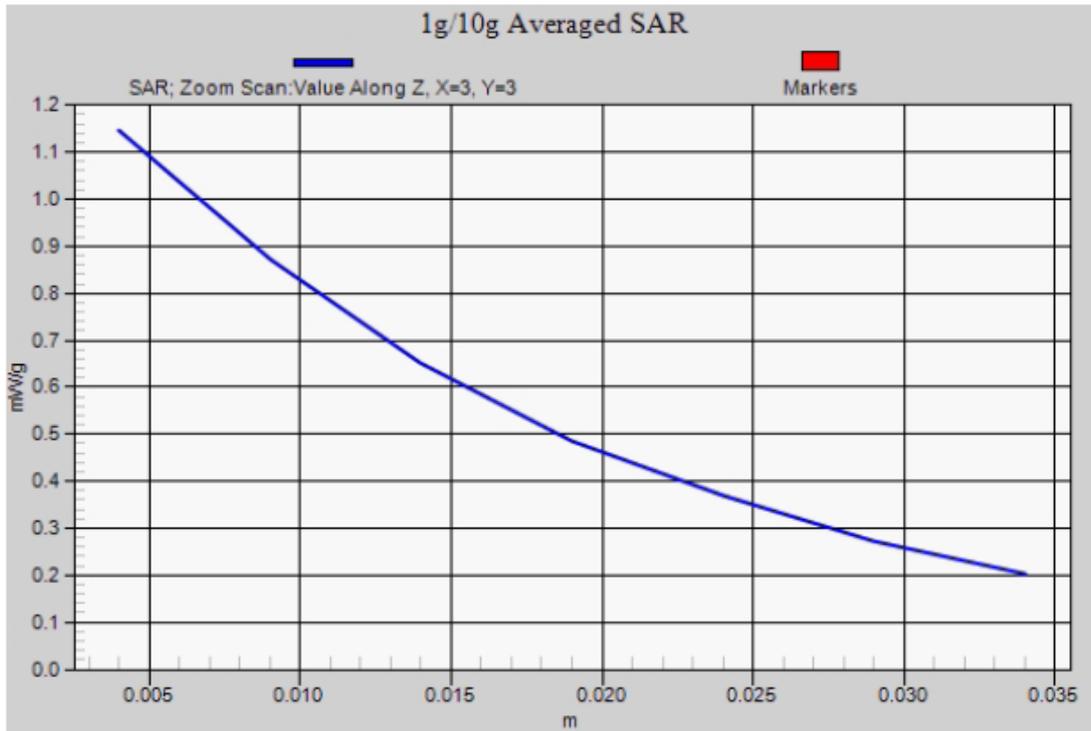
GSM850 Body:
HUAWEI U6150-5/U6150-5
Towards phantom- GSM850 GPRS 1TS Channel 190



Towards ground- GSM850 GPRS 1TS Channel 190



Towards ground- GSM850 GPRS 2TS Channel 190



Towards ground- GSM850 GPRS 2TS Channel 251

