

**P1528\_OET65\_EN62209- WCDMA AWS towards ground****DUT: U1250-9**

Communication System: W1700 ; Frequency: 1732.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.88, 4.88, 4.88); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.464 mW/g

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

Reference Value = 12.1 V/m; Power Drift = 0.175 dB

Peak SAR (extrapolated) = 0.742 W/kg

**SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.262 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.501 mW/g

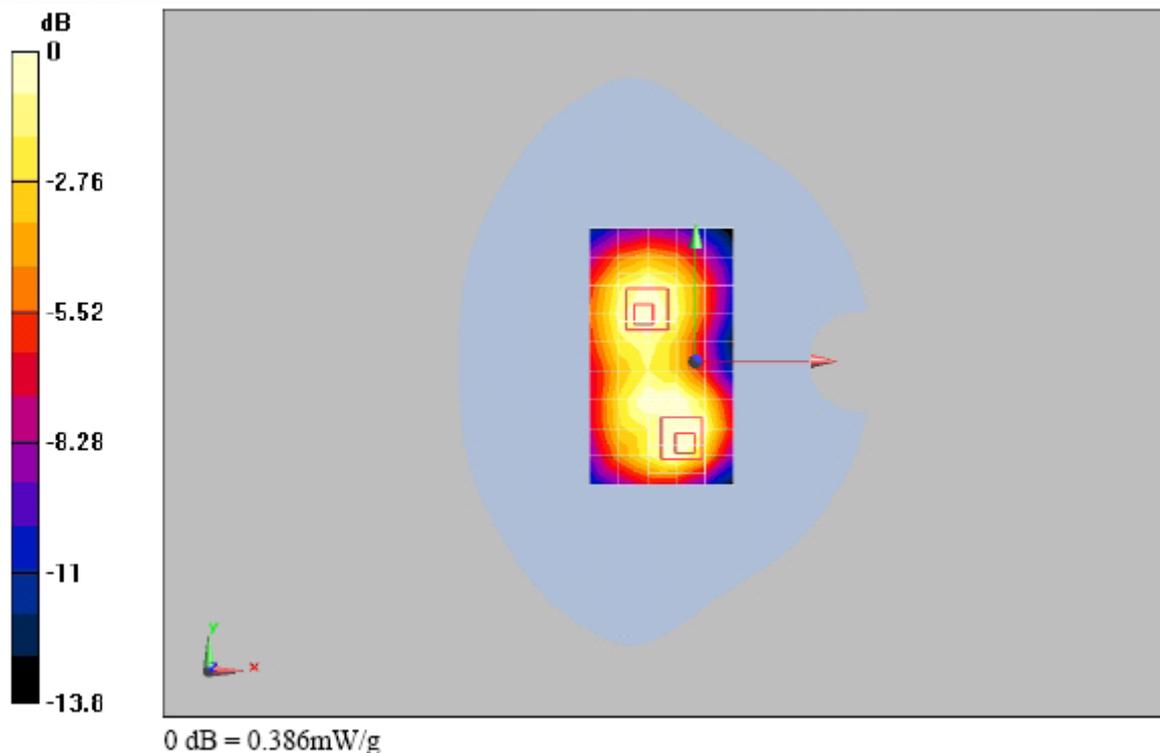
**body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = 0.175 dB

Peak SAR (extrapolated) = 0.543 W/kg

**SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.231 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.386 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: 21.4°C

**P1528\_OET65\_EN62209- WCDMA AWS towards ground****DUT: U1250-9**

Communication System: W1700 ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.88, 4.88, 4.88); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.540 mW/g

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

Reference Value = 13 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.863 W/kg

**SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.304 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.573 mW/g

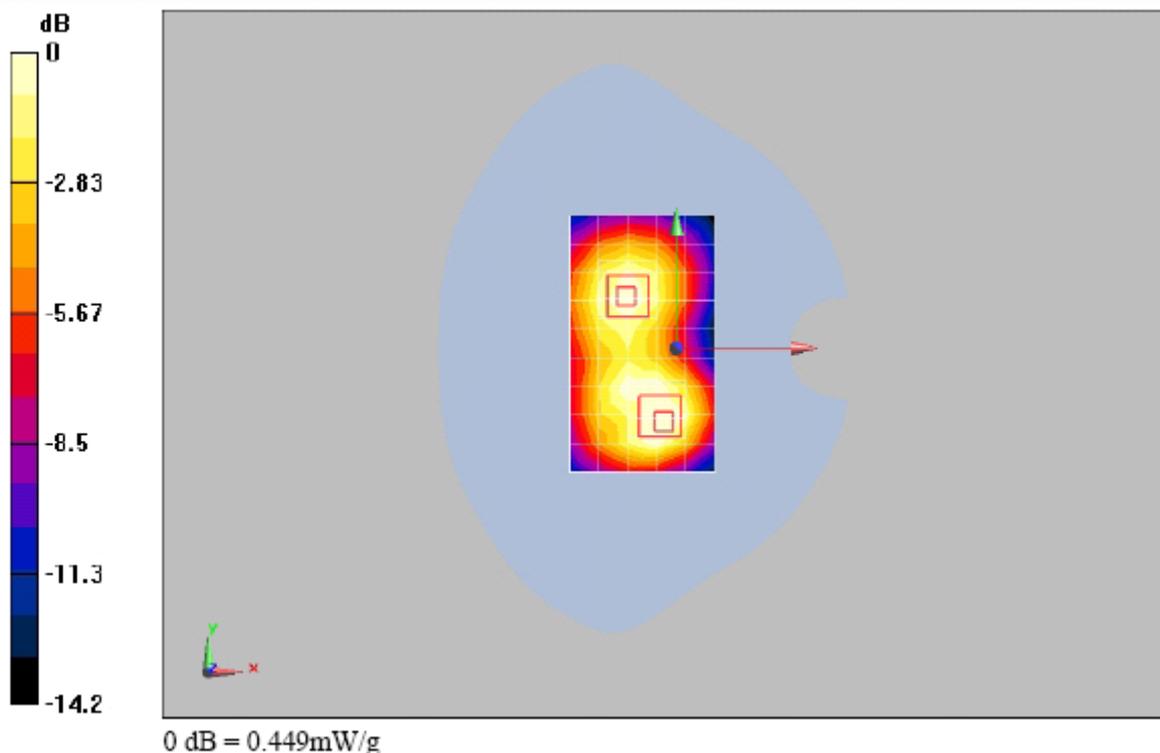
**body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.629 W/kg

**SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.264 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.449 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: 21.4°C

**P1528\_OET65\_EN62209- WCDMA AWS towards ground****DUT: U1250-9**

Communication System: W1700 ; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.88, 4.88, 4.88); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

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

Reference Value = 12.9 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.670 W/kg

**SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.242 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.444 mW/g

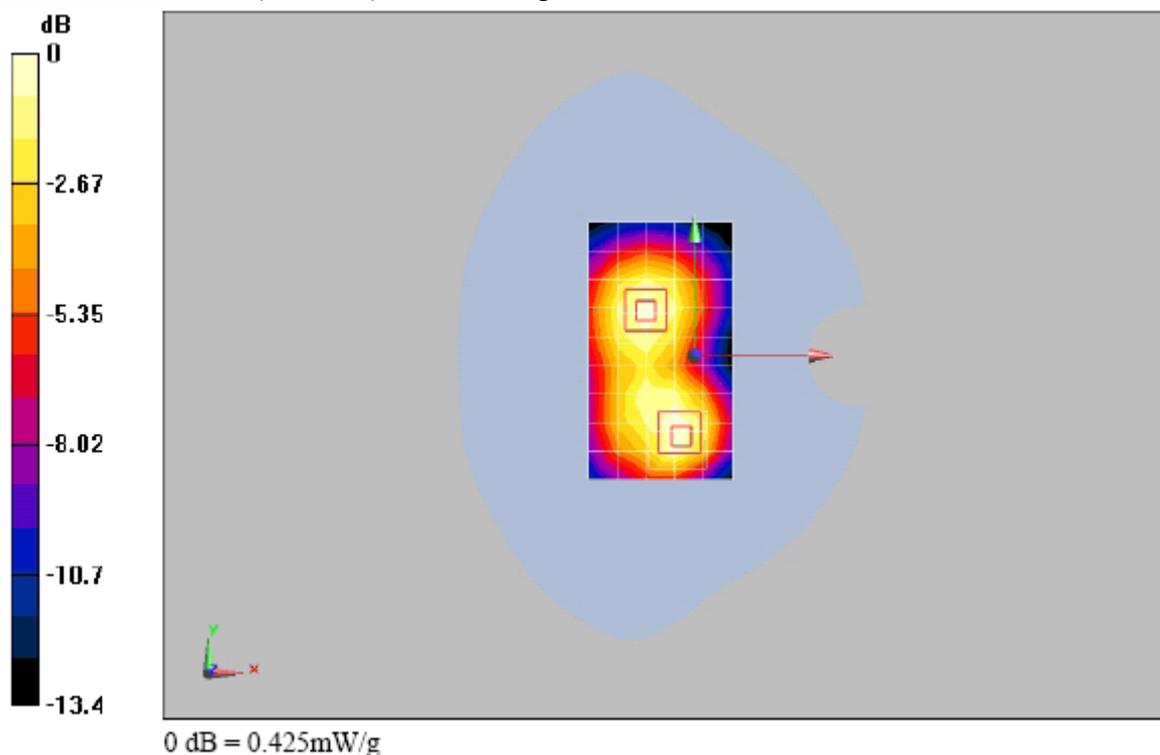
**body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.593 W/kg

**SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.253 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.425 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: 21.4°C

**P1528\_OET65\_EN62209- WCDMA AWS towards ground with Headset****DUT: U1250-9**

Communication System: W1700 ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.88, 4.88, 4.88); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.389 mW/g

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

Reference Value = 13.6 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.616 W/kg

**SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.218 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.407 mW/g

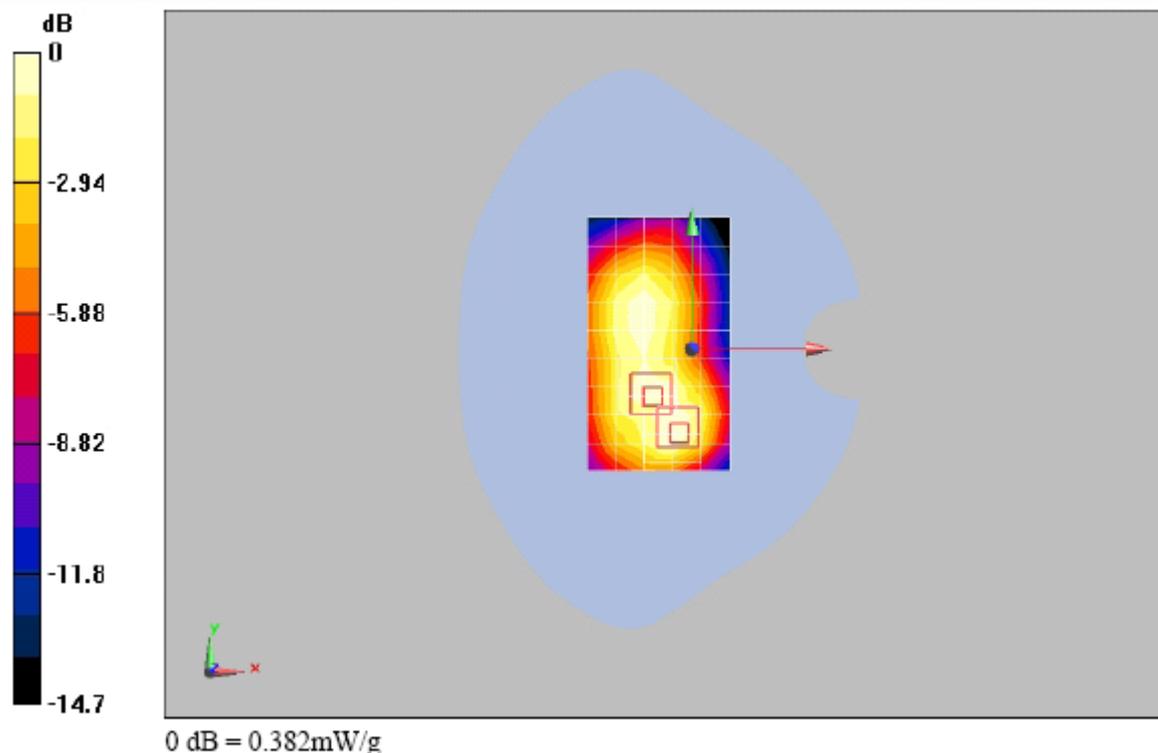
**body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.579 W/kg

**SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.217 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.382 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: 21.4°C

**P1528\_OET65\_EN62209- WCDMA AWS towards ground with Bluetooth Headset****DUT: U1250-9**

Communication System: W1700 ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.88, 4.88, 4.88); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.530 mW/g

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

Reference Value = 12.9 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.798 W/kg

**SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.285 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.529 mW/g

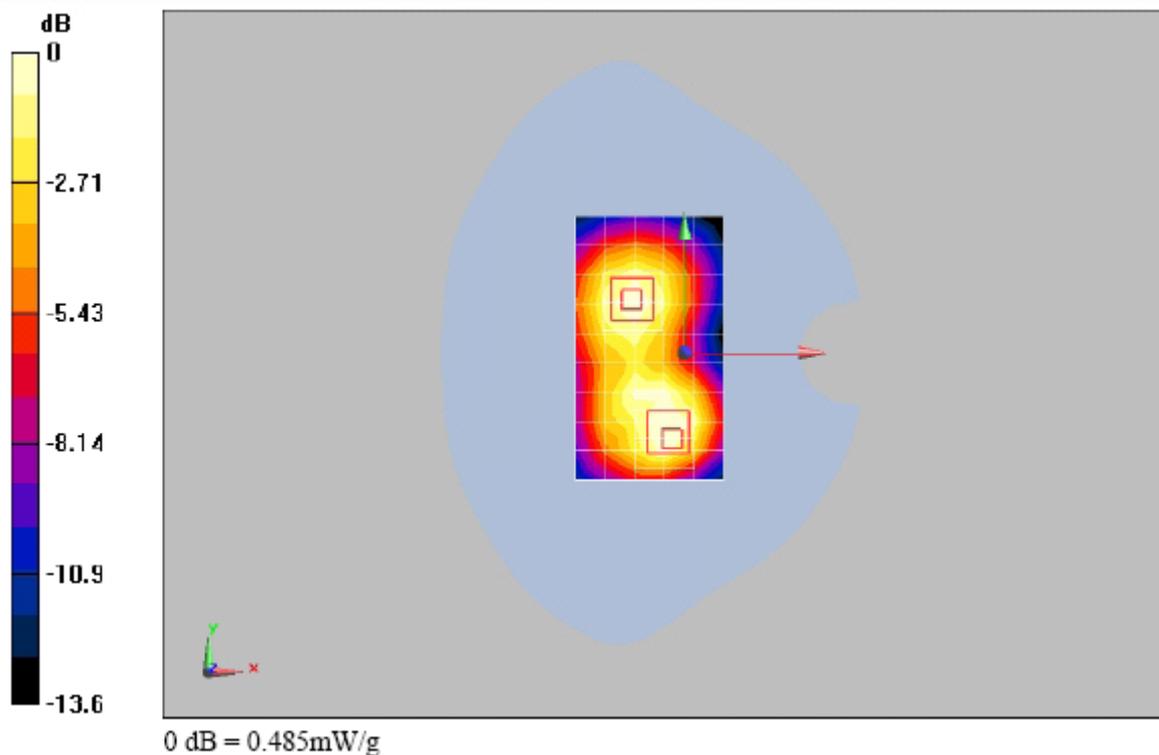
**body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.694 W/kg

**SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.282 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.485 mW/g

**Additional information:**

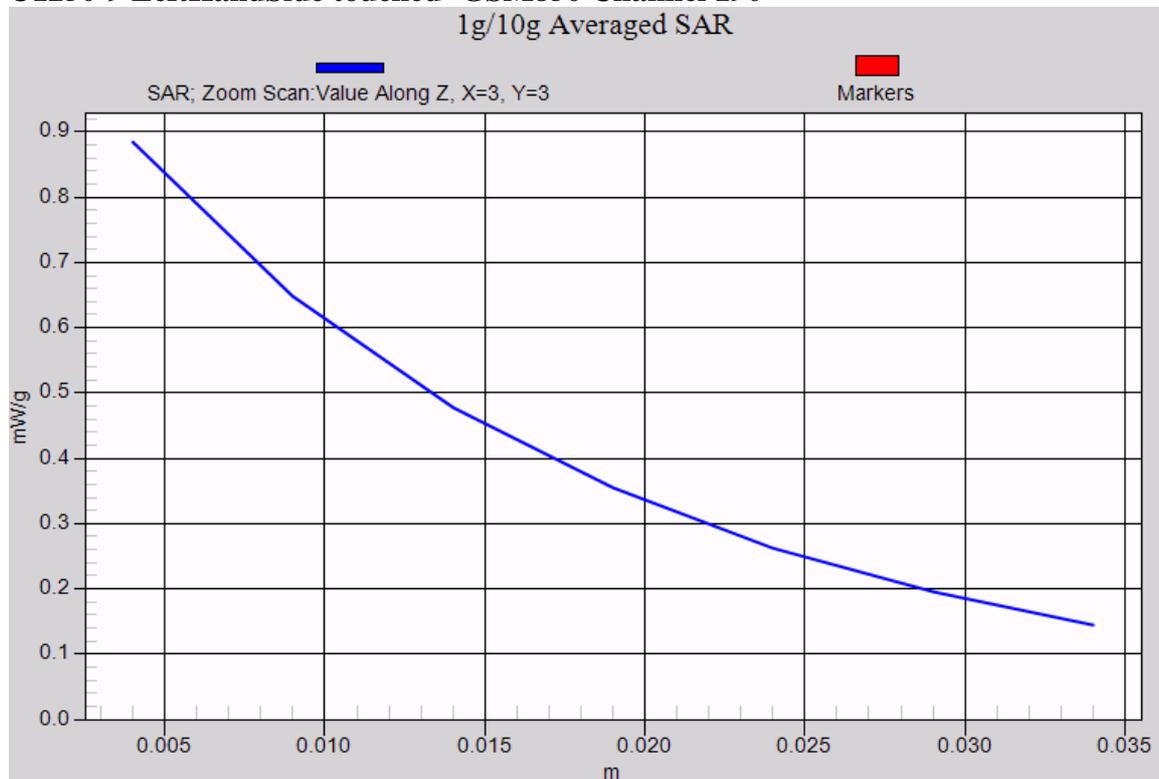
position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 22.0°C; liquid temperature: 21.4°C

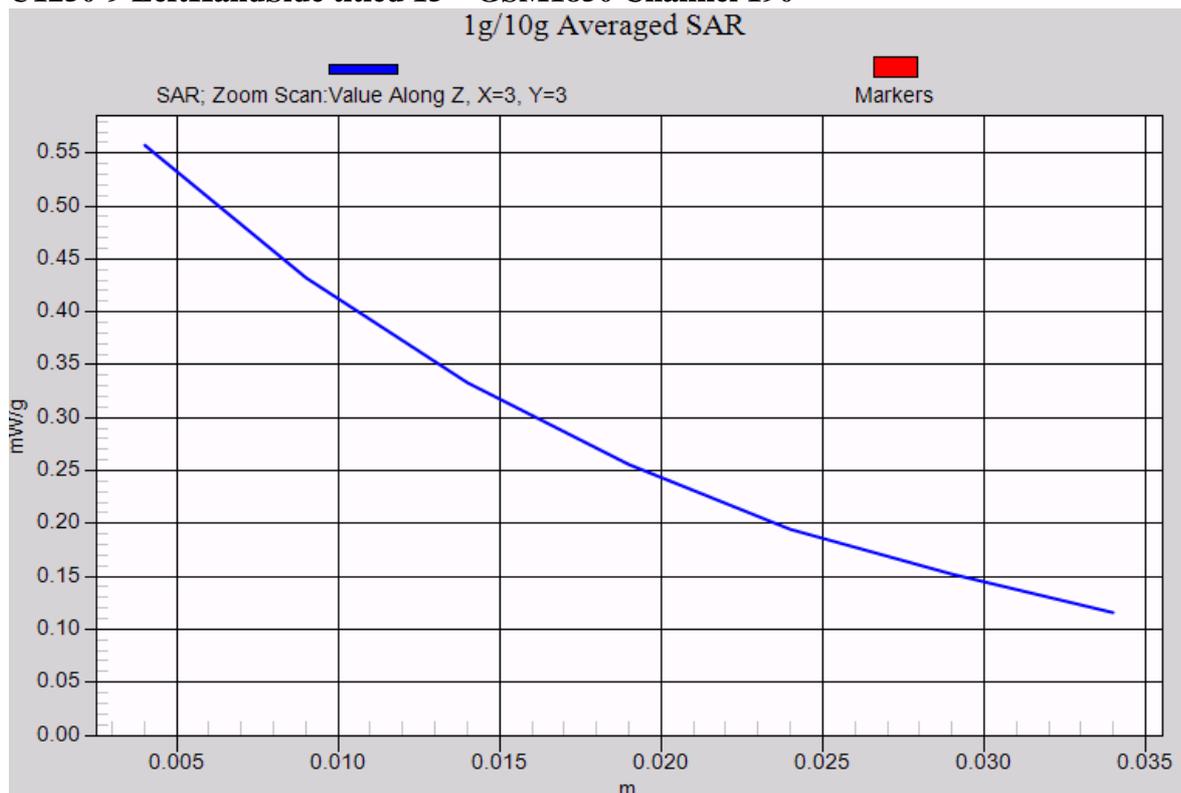
**Annex 2.7 Z-axis scans**

**GSM850 head:**

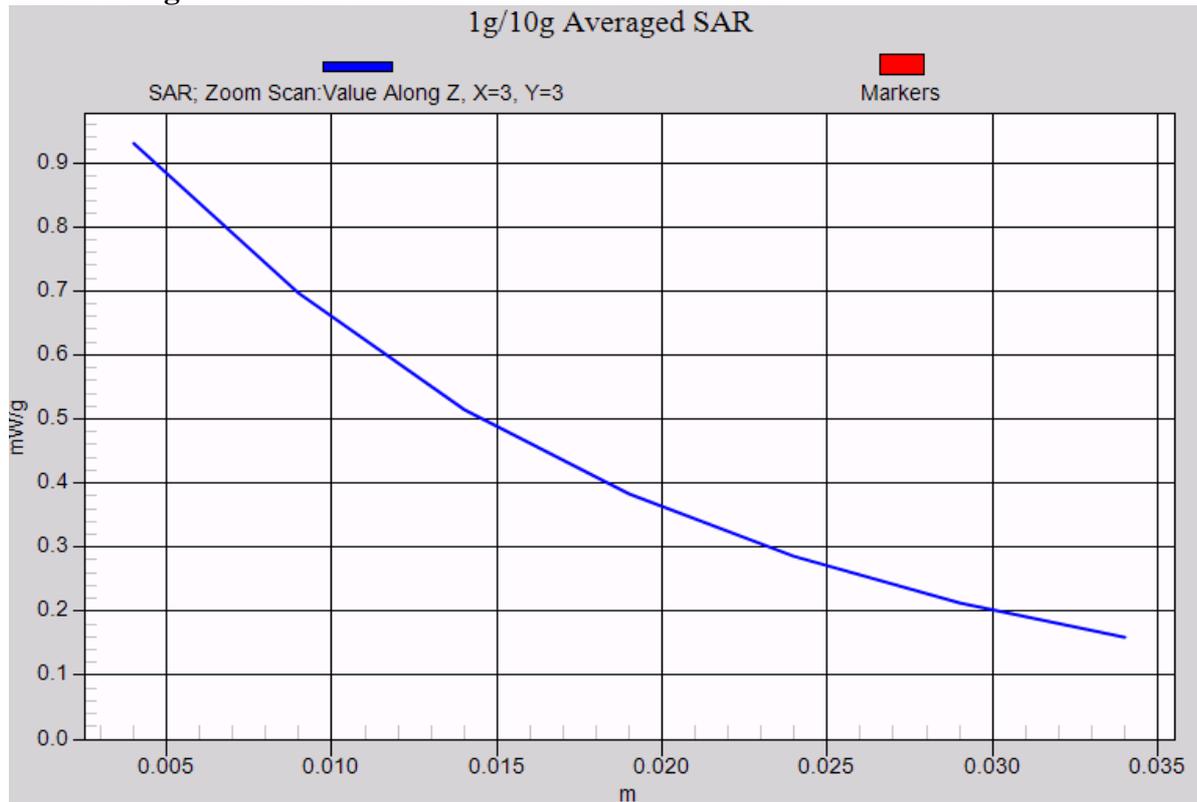
**U1250-9 LeftHandSide touched- GSM850 Channel 190**



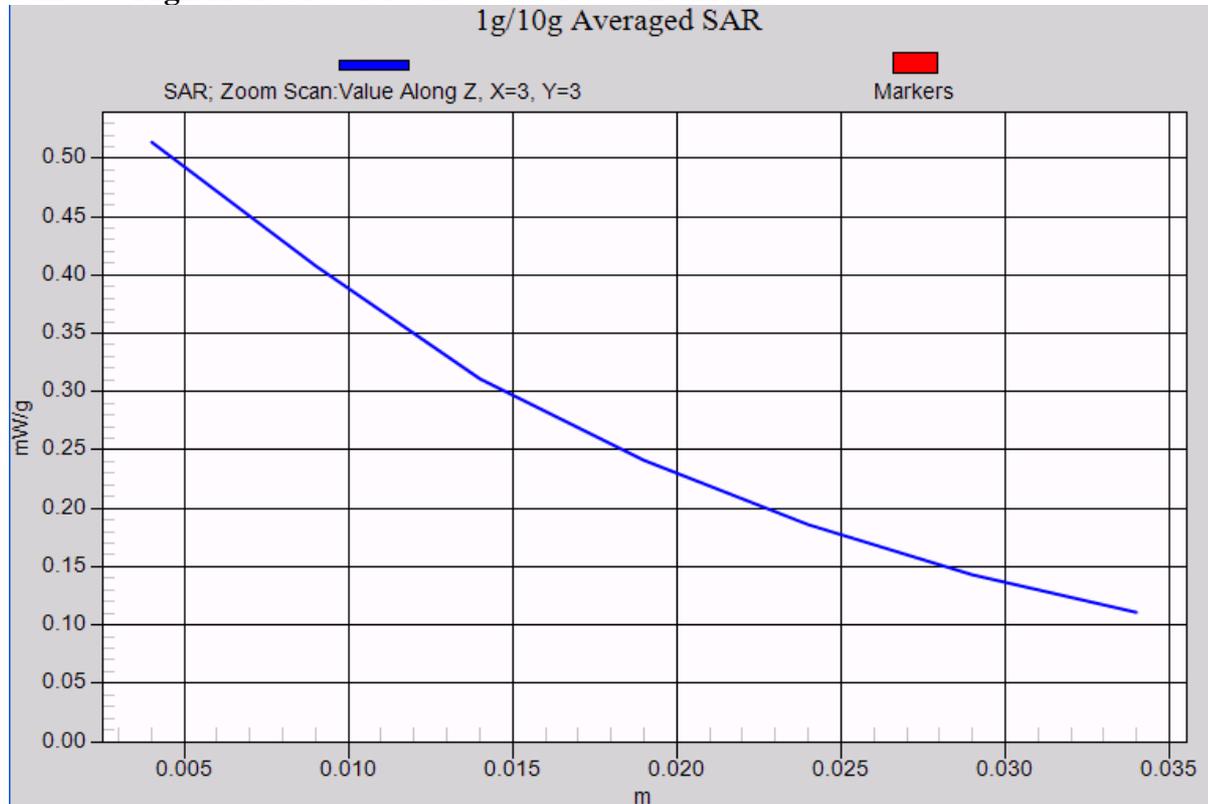
**U1250-9 LeftHandSide titled 15° - GSM1850 Channel 190**



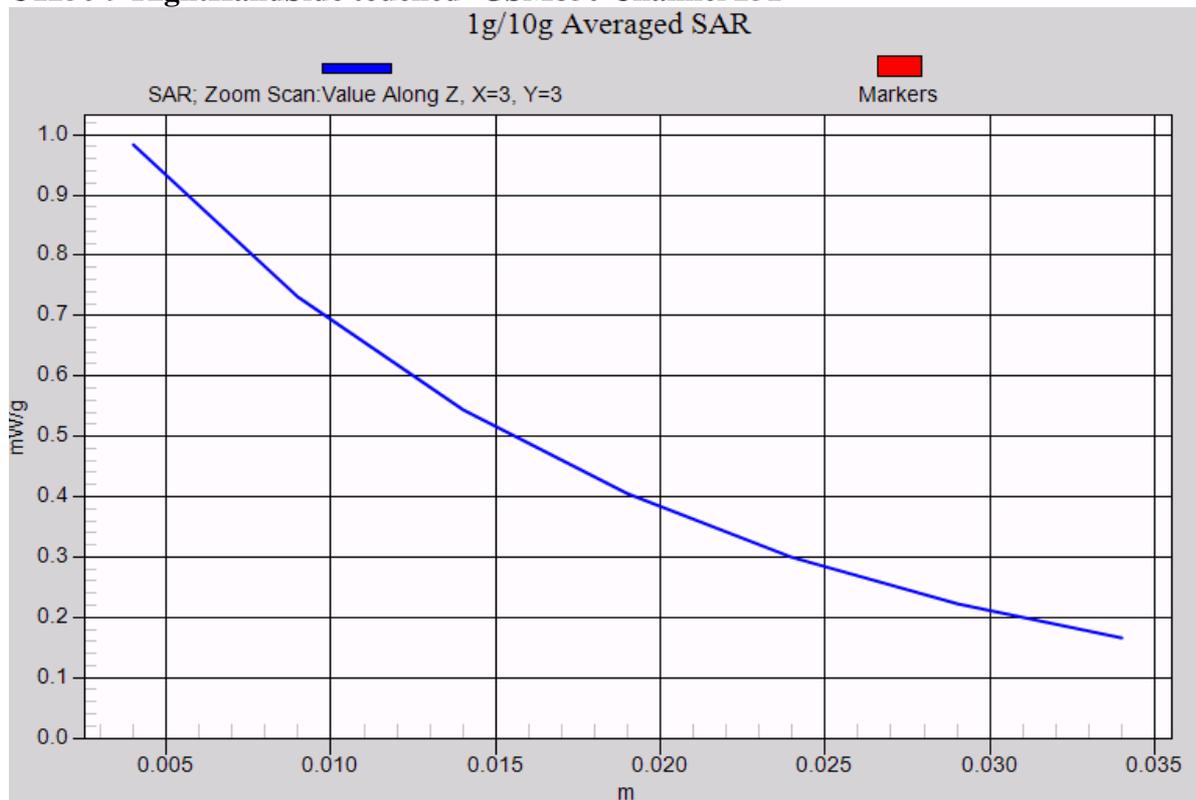
**U1250-9 RightHandSide touched- GSM850 Channel 190**



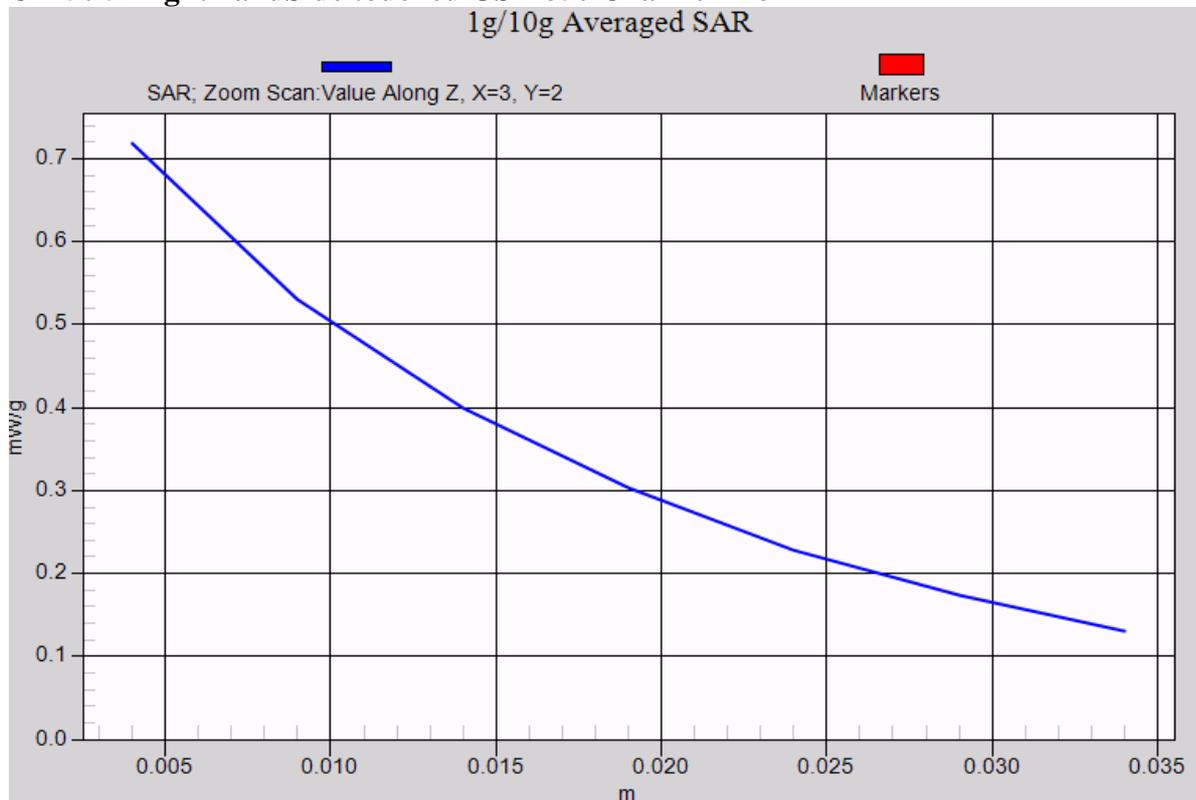
**U1250-9 RightHandSide titled 15°- GSM850 Channel 190**



**U1250-9 RightHandSide touched- GSM850 Channel 251**

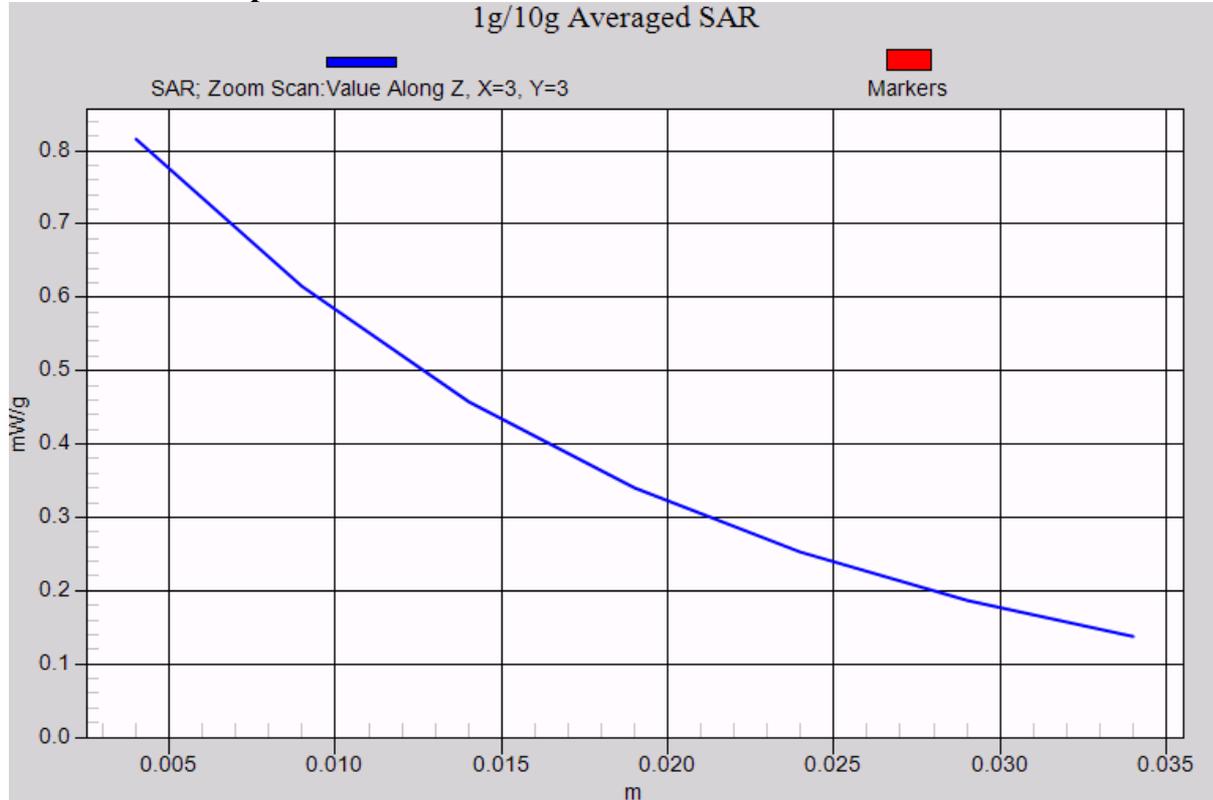


**U1250-9 RightHandSide touched GSM850 Channel 128**

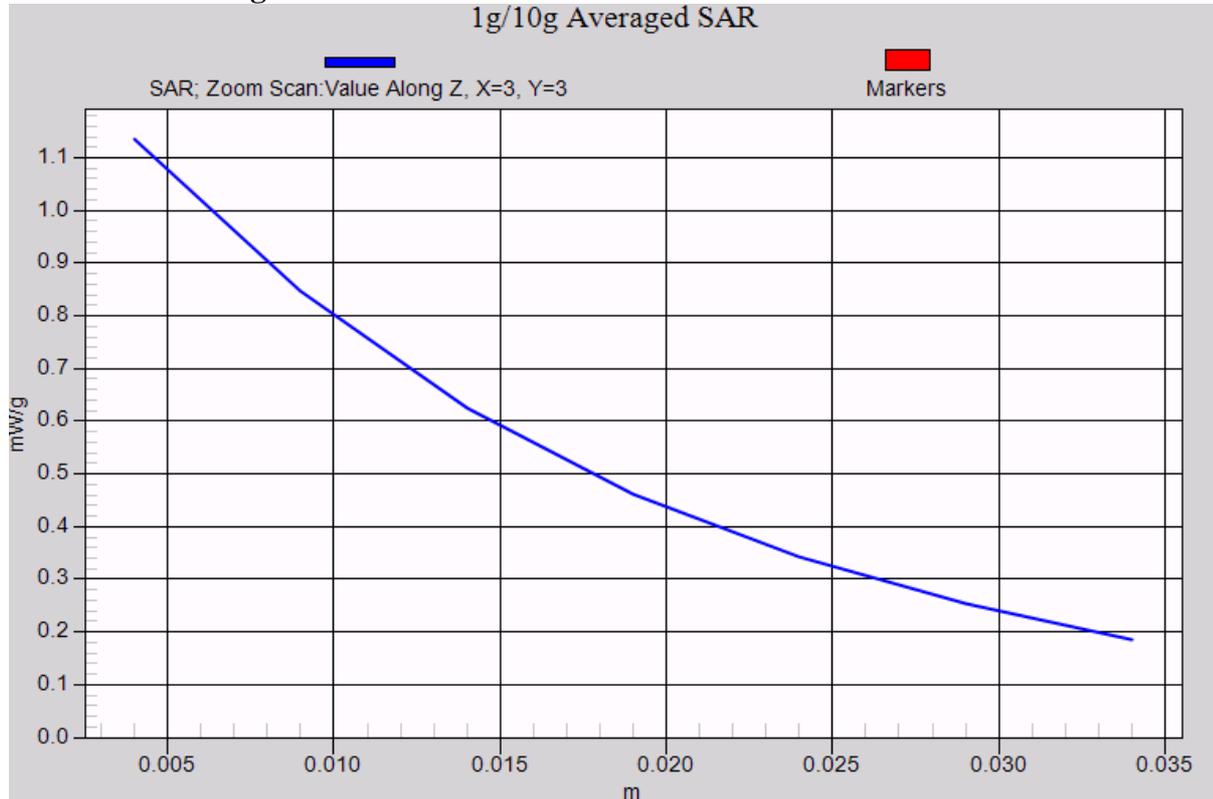


**GSM850 body:**

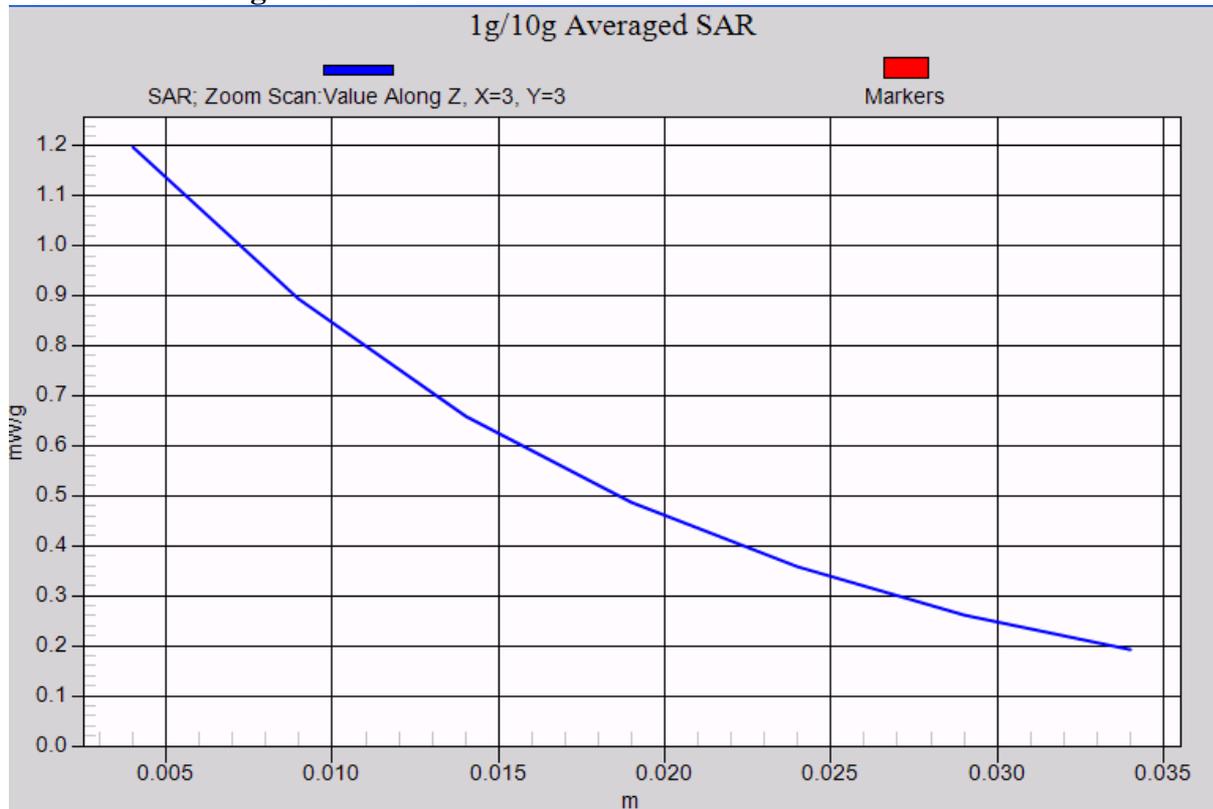
**U1250-9 towards phantom- GSM850 GPRS 2TS Channel 190**



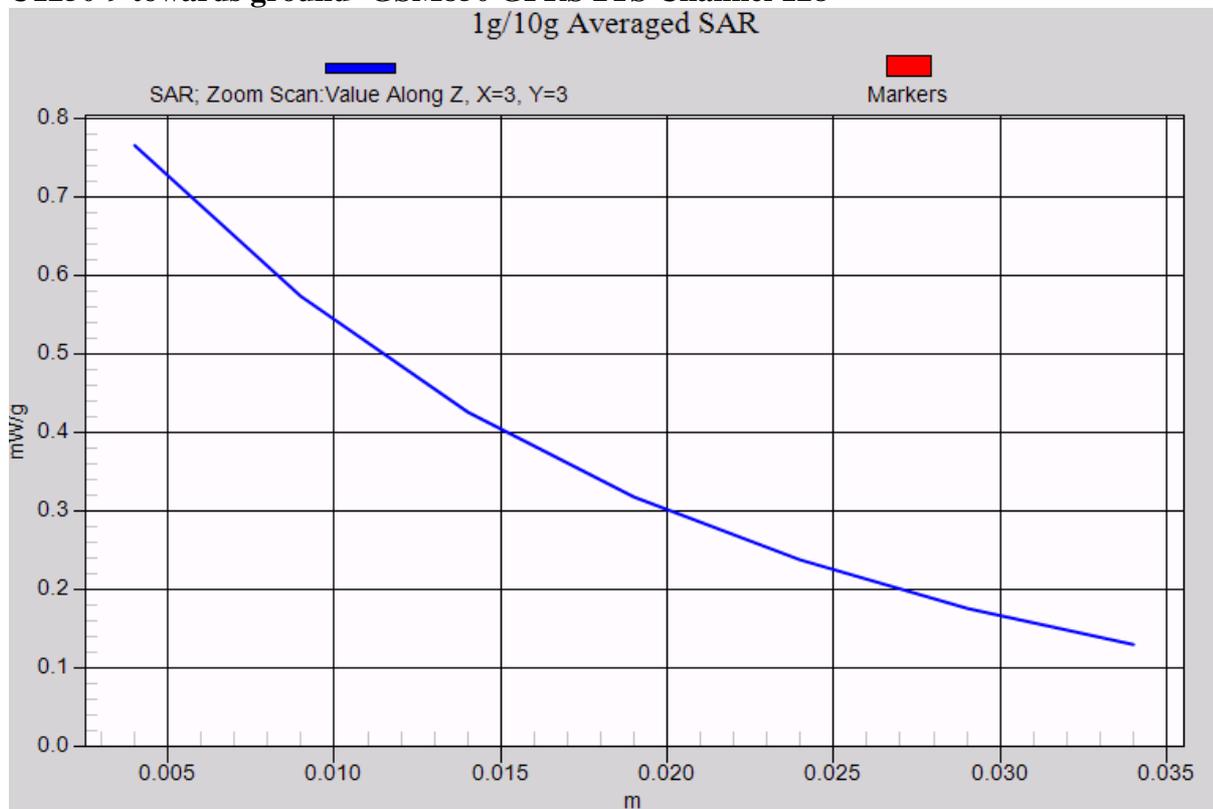
**U1250-9 towards ground- GSM850 GPRS 2TS Channel 190**



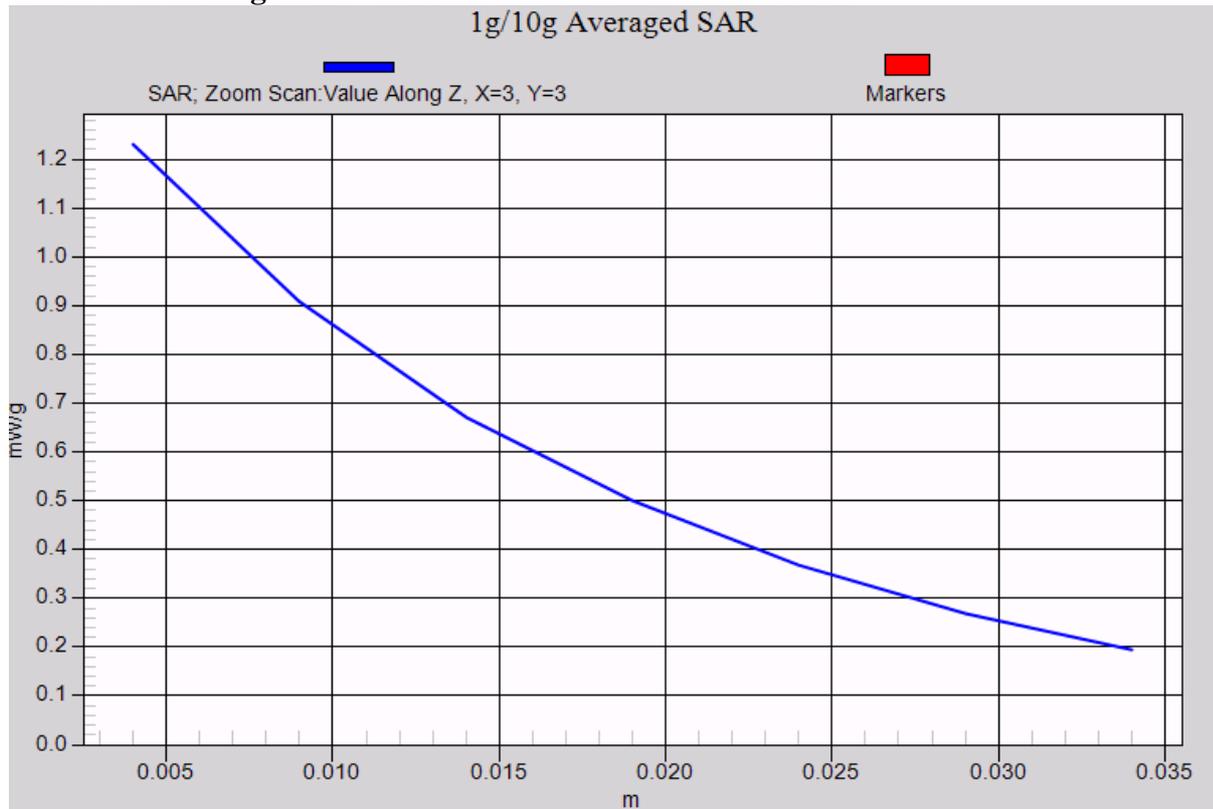
**U1250-9 towards ground- GSM850 GPRS 2TS Channel 251**



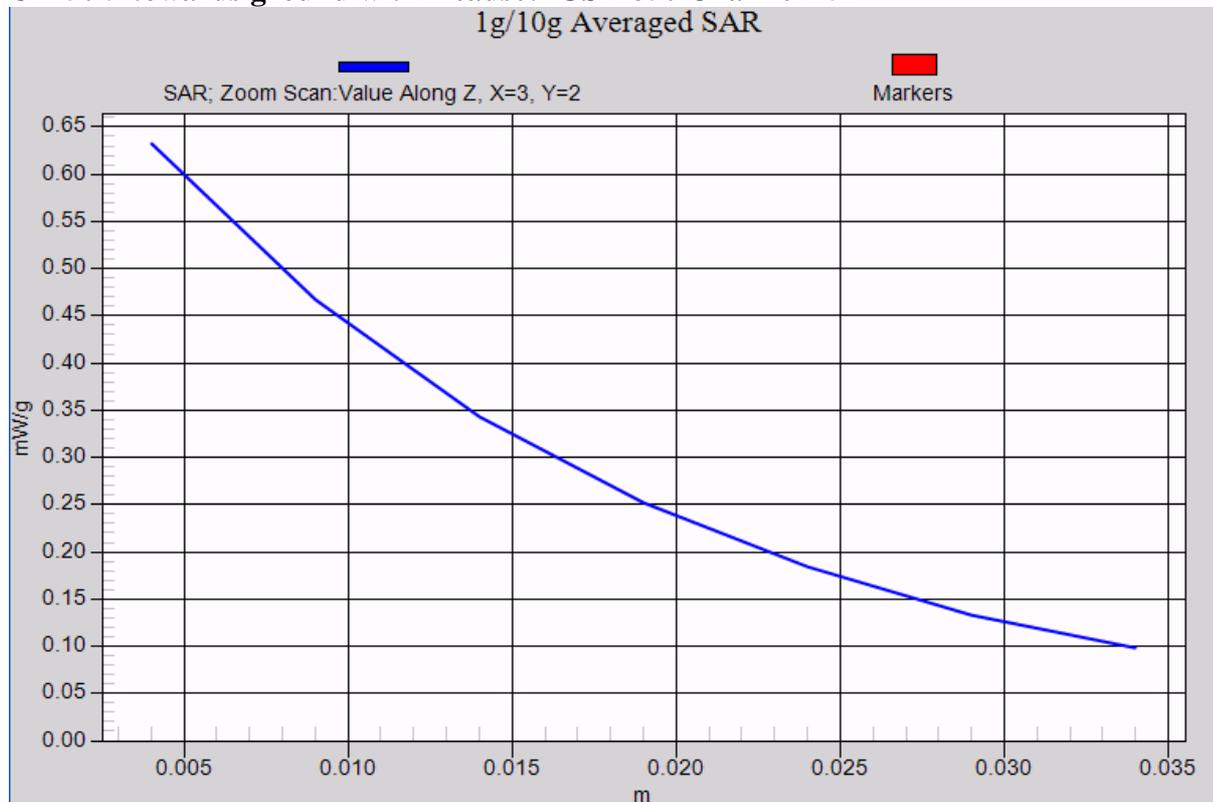
**U1250-9 towards ground- GSM850 GPRS 2TS Channel 128**



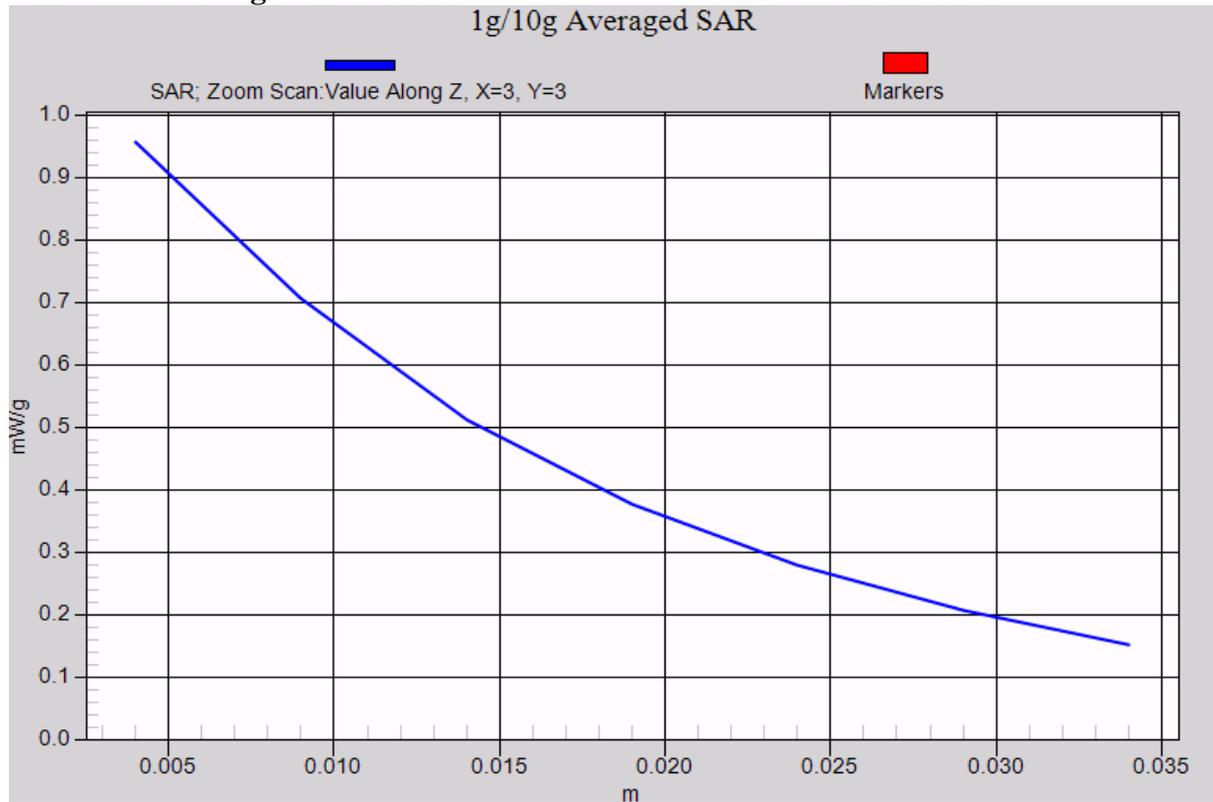
**U1250-9 towards ground- GSM850 EGPRS 2TS Channel 251**



**U1250-9 towards ground with Headset- GSM850 Channel 251**

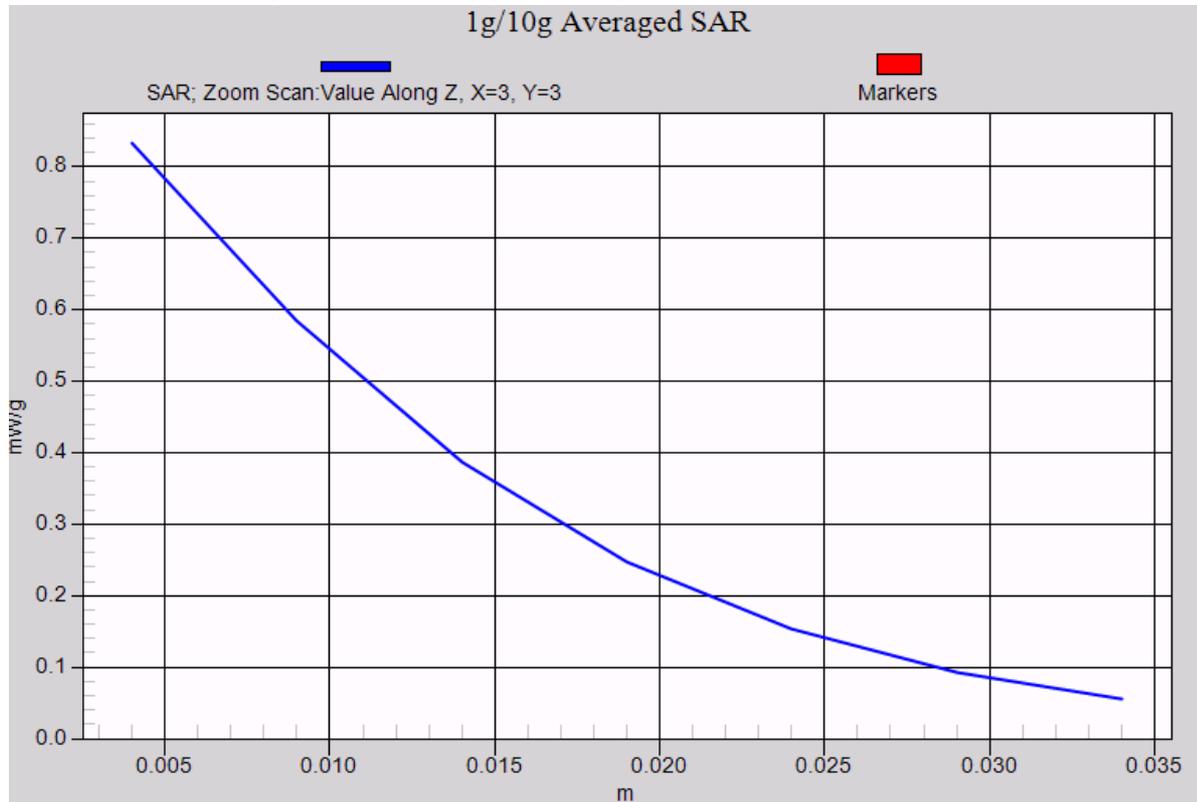


**U1250-9 towards ground with Bluetooth Headset- GSM850 Channel 251**

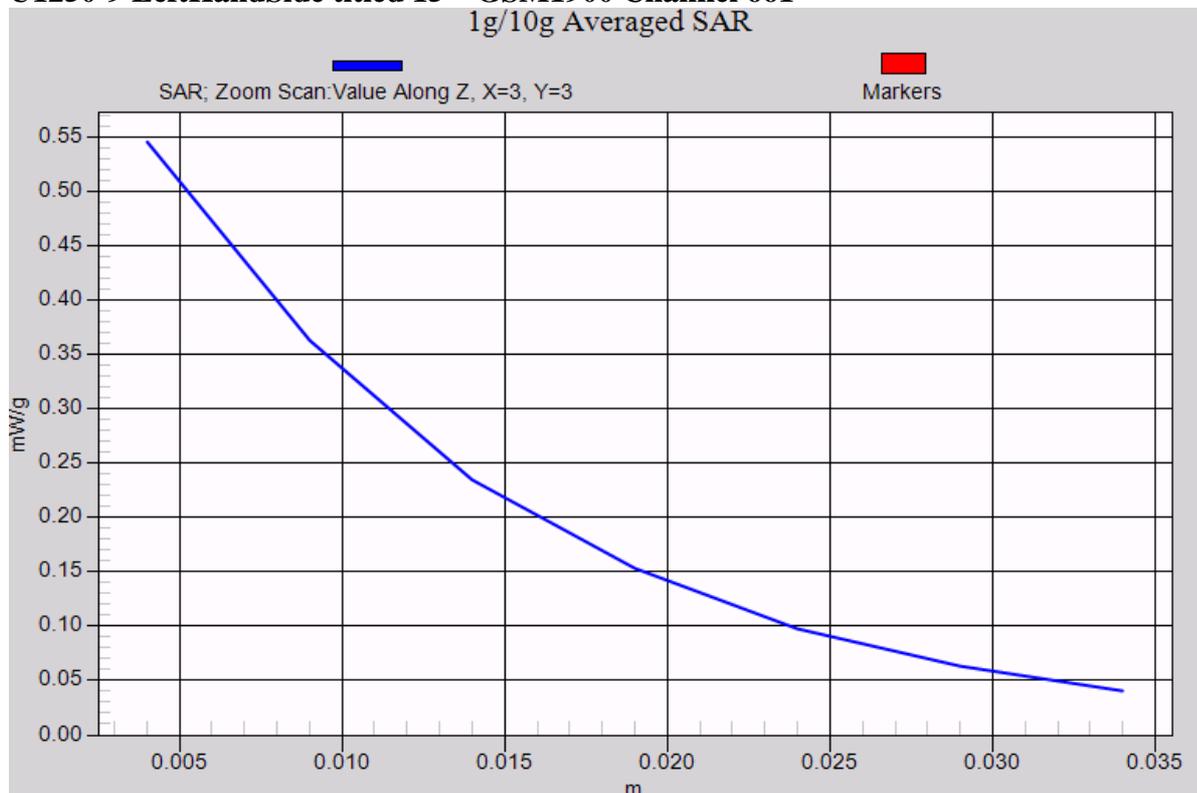


**GSM1900 head:**

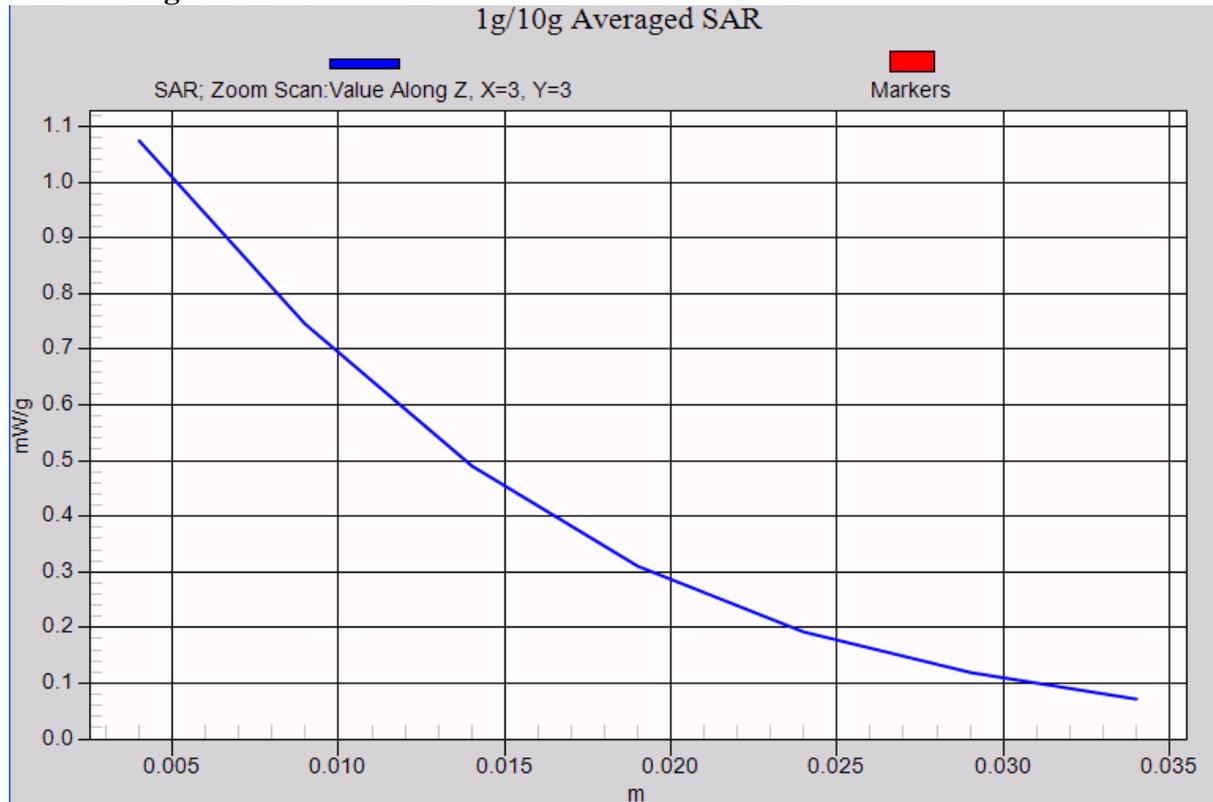
**U1250-9 LeftHandSide touched- GSM1900 Channel 661**



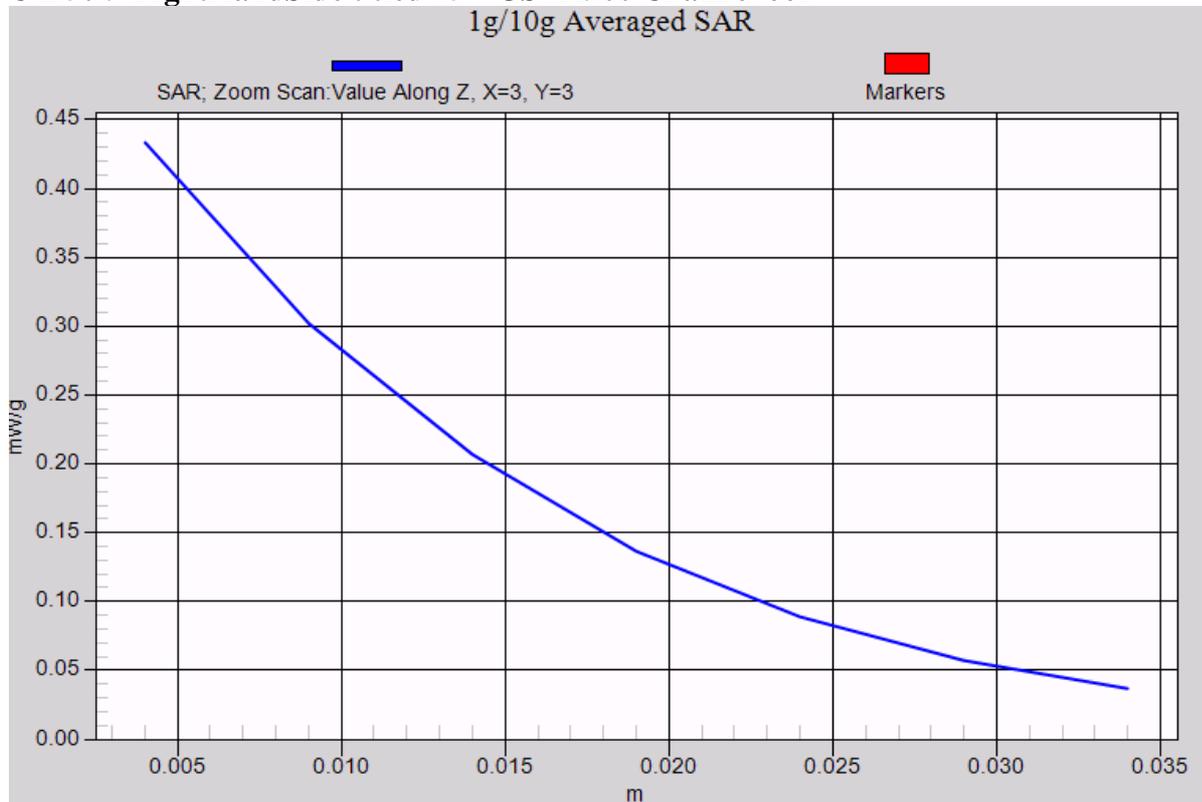
**U1250-9 LeftHandSide titled 15° - GSM1900 Channel 661**



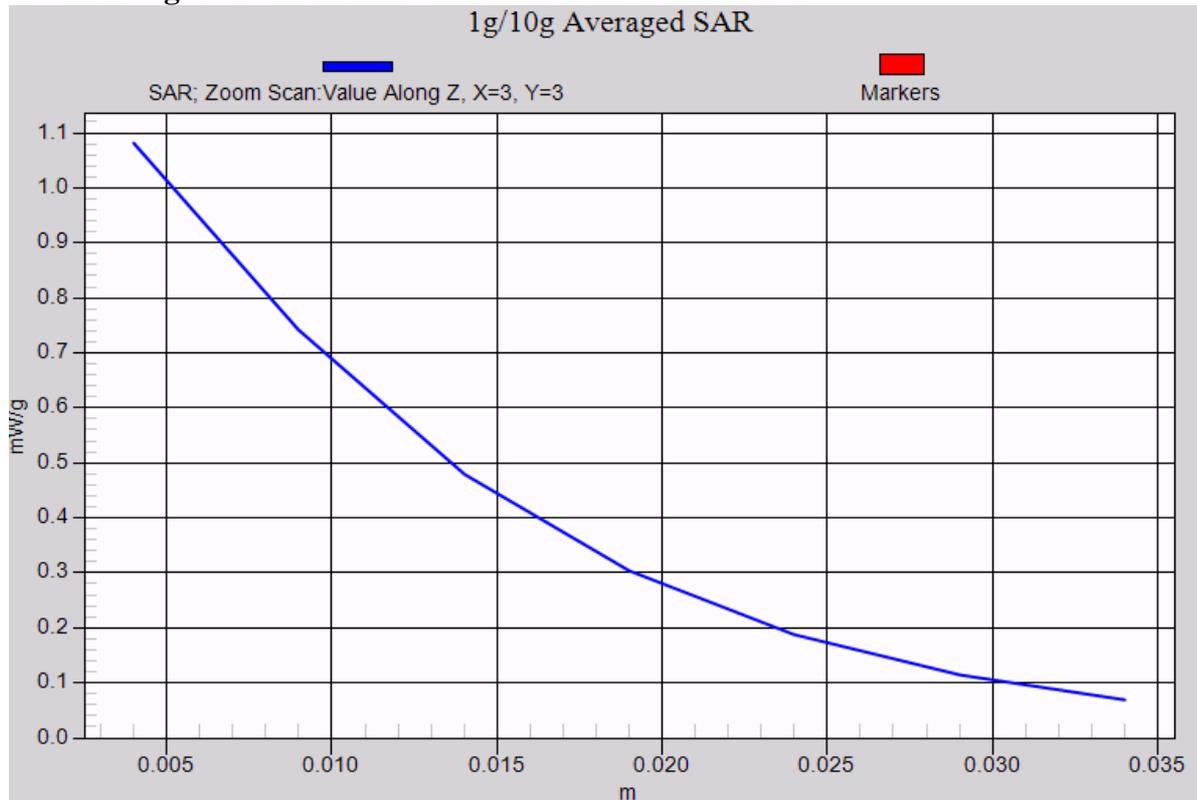
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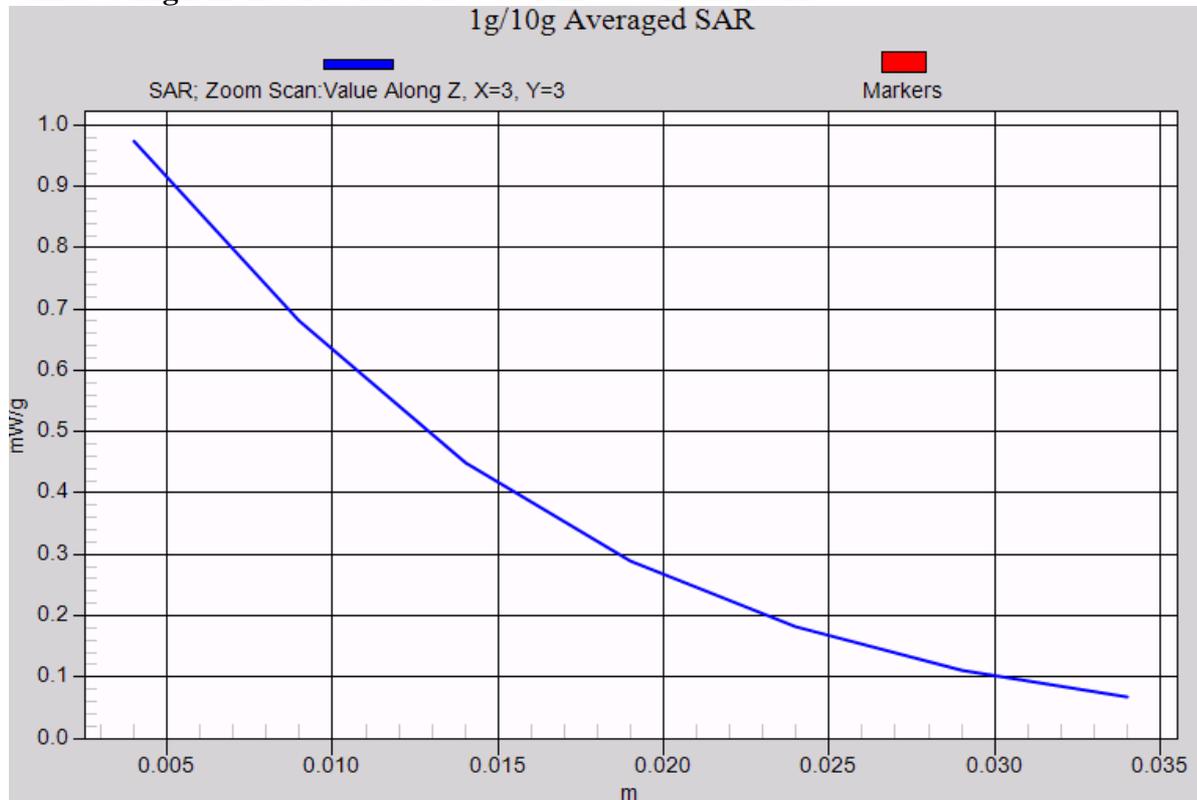
**U1250-9 RightHandSide titled 15° - GSM1900 Channel 661**



**U1250-9 RightHandSide touched - GSM1900 Channel 810**



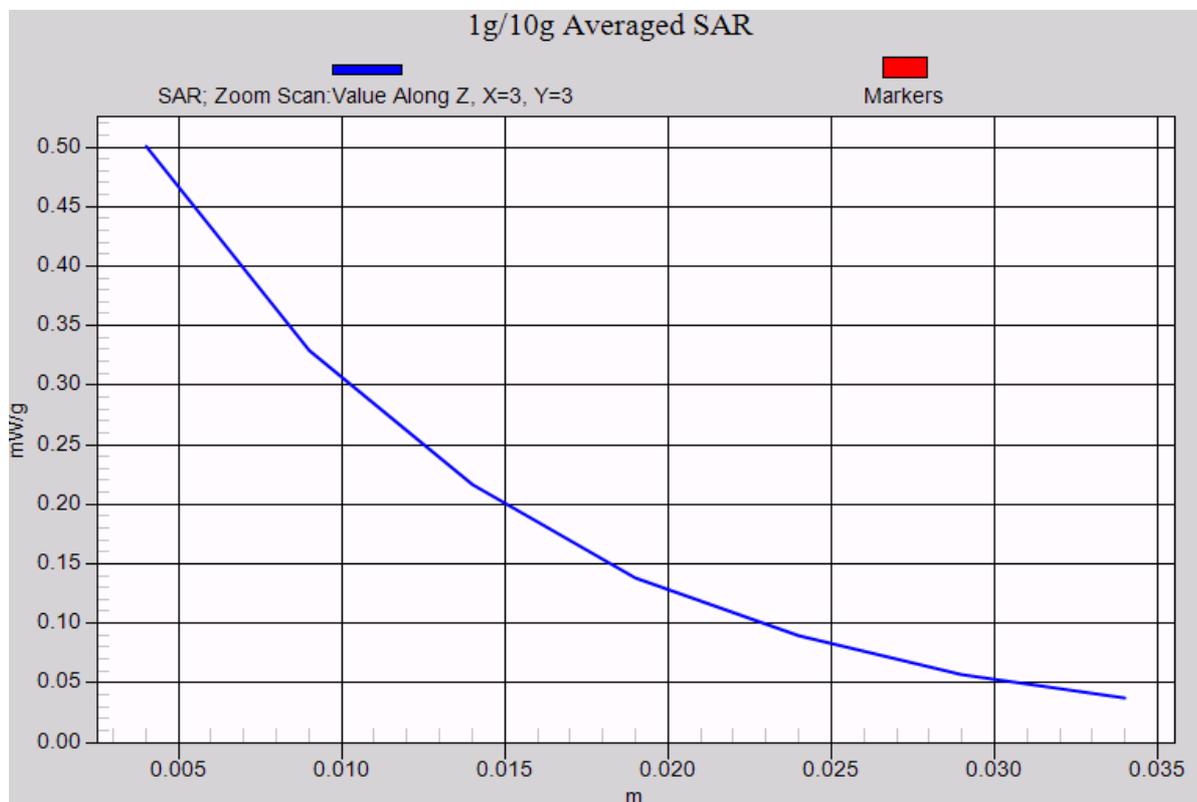
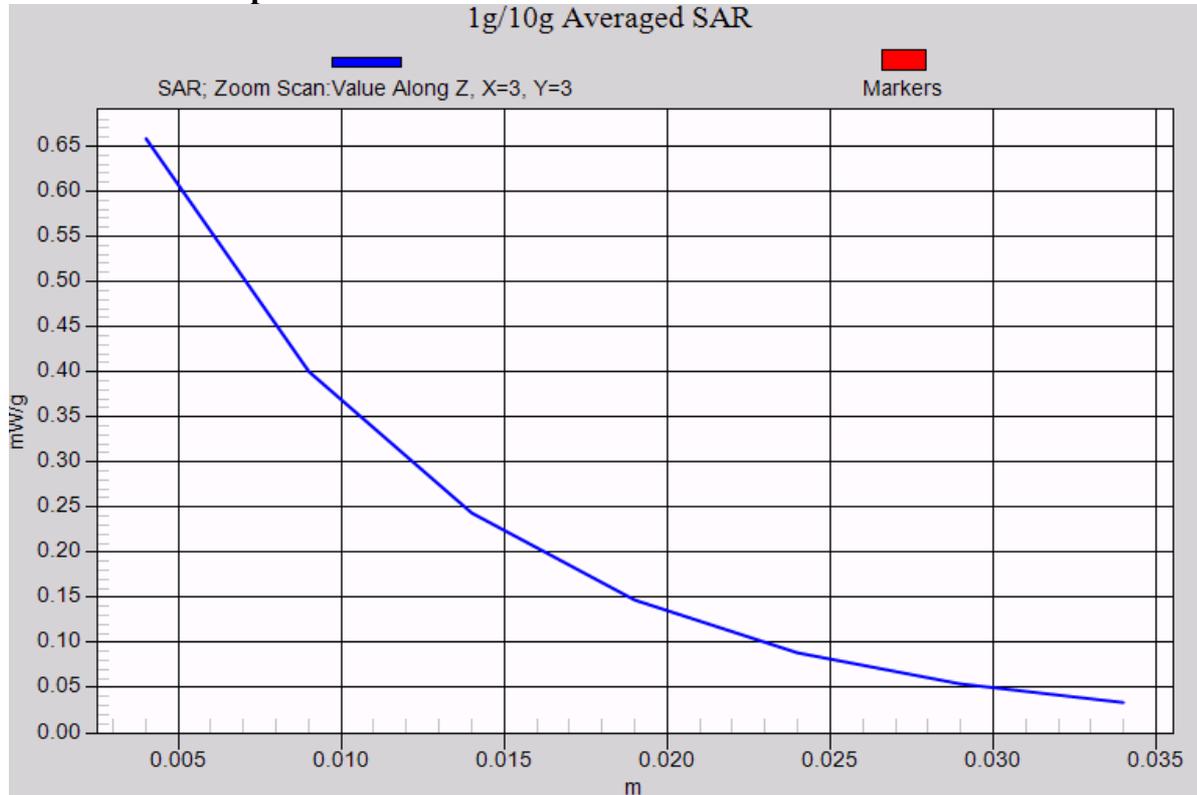
**U1250-9 RightHandSide titled 15° - GSM1900 Channel 512**



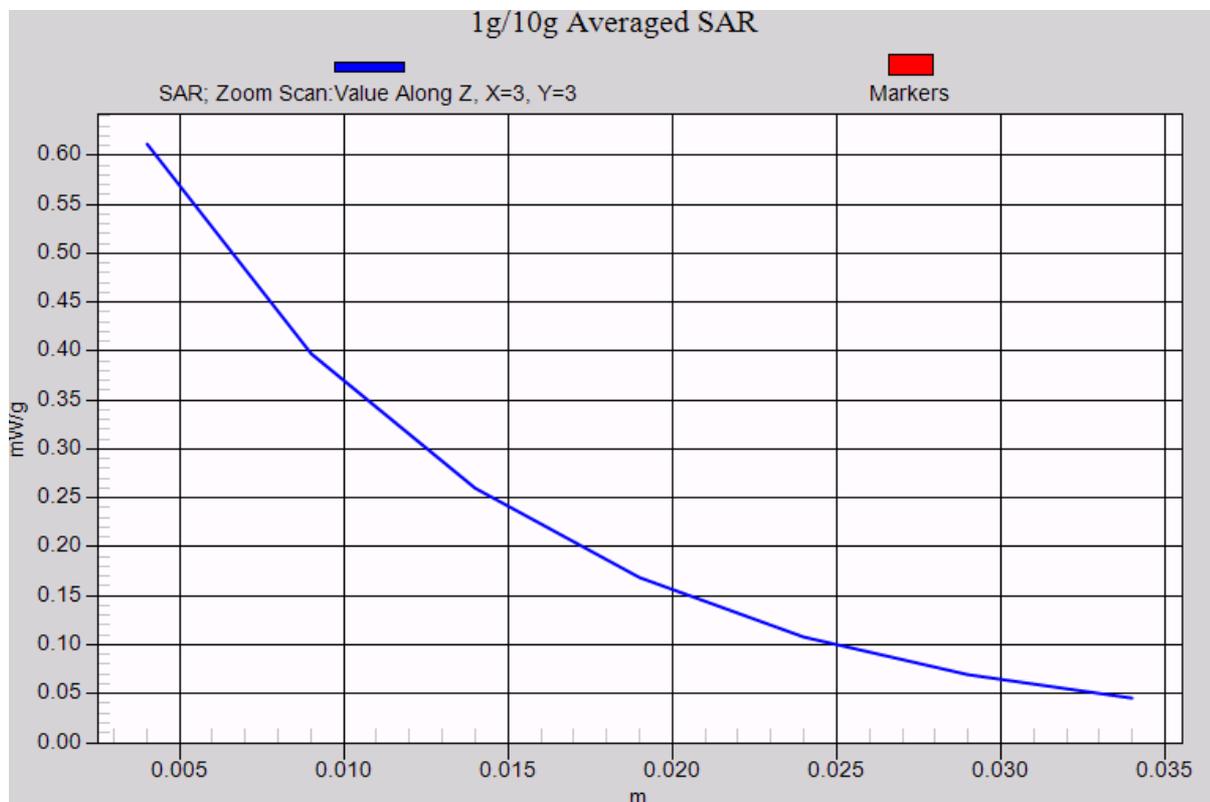
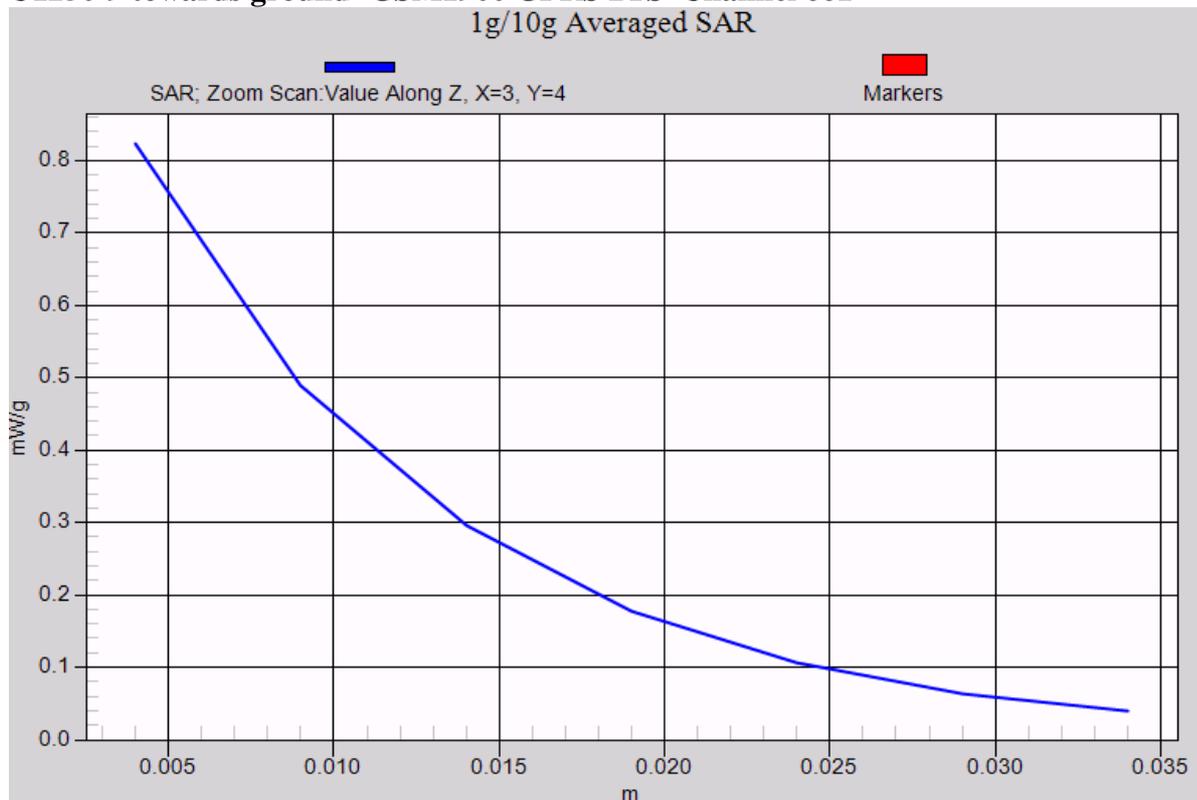
**GSM1900 body:**

**U1250-9 towards phantom- GSM1900 GPRS 2TS Channel 661**

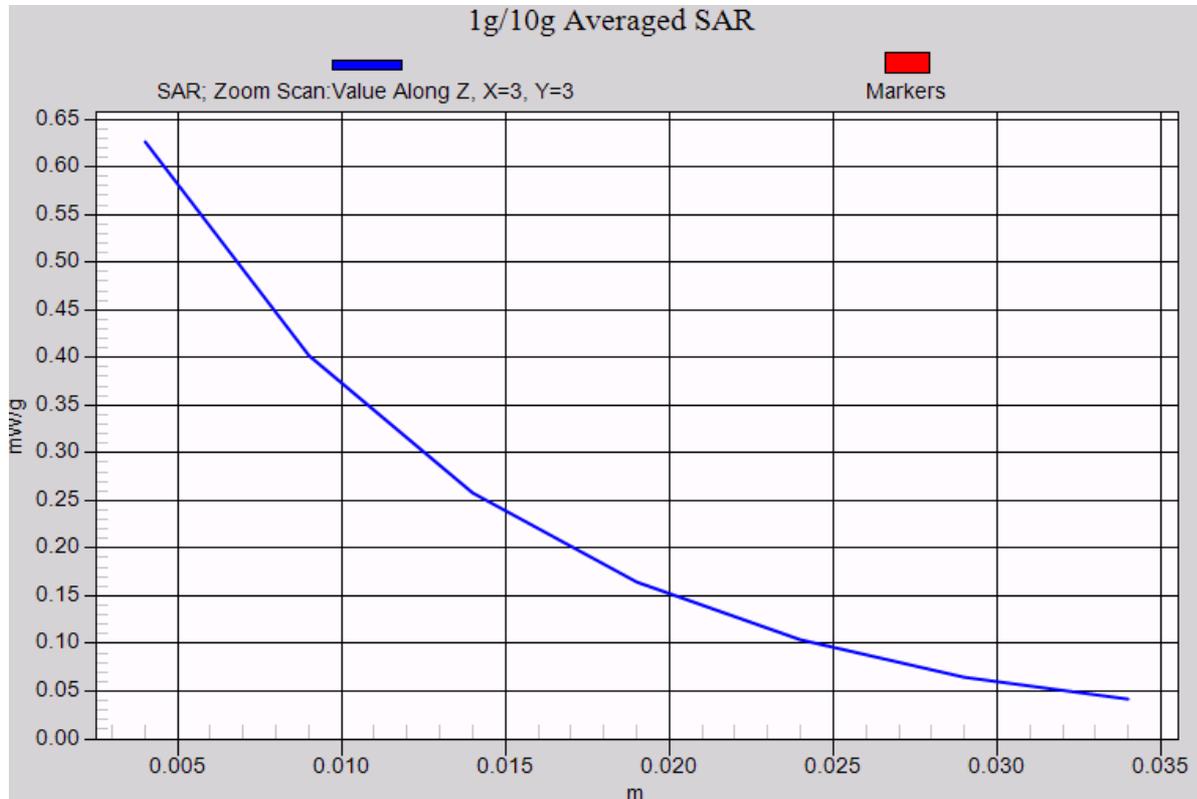
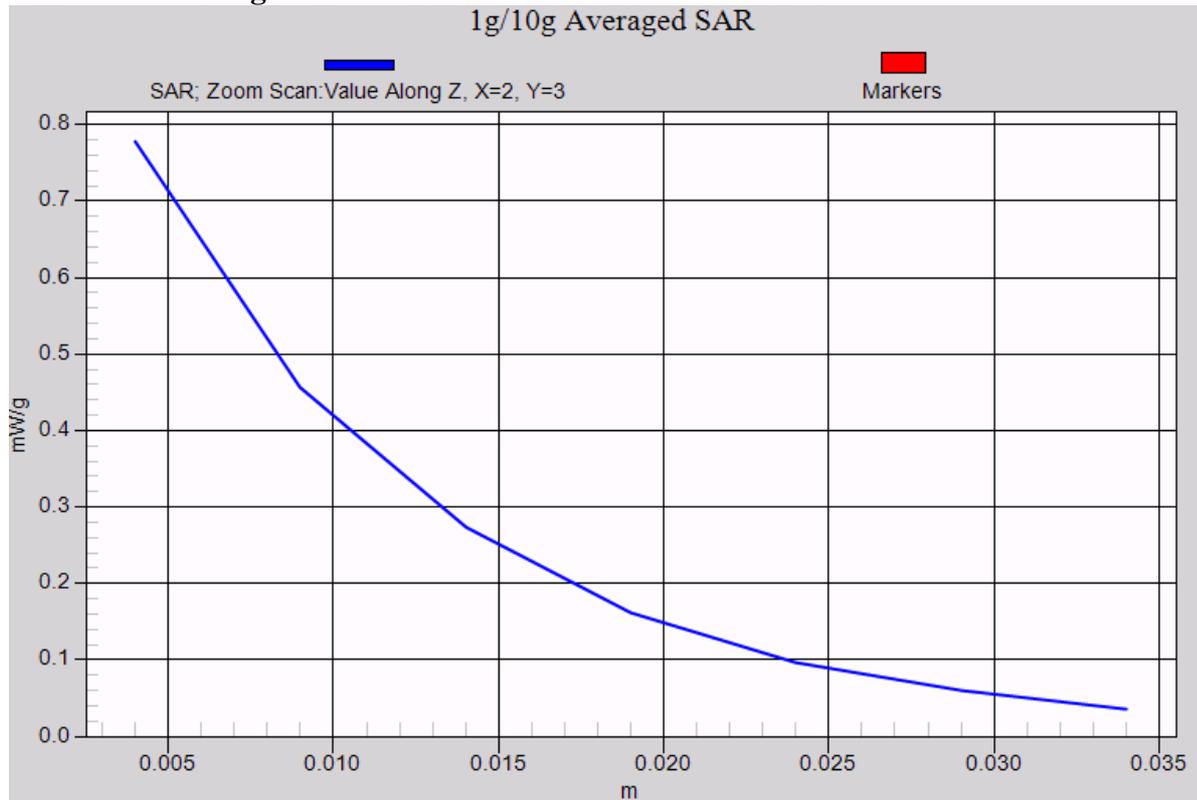
1g/10g Averaged SAR



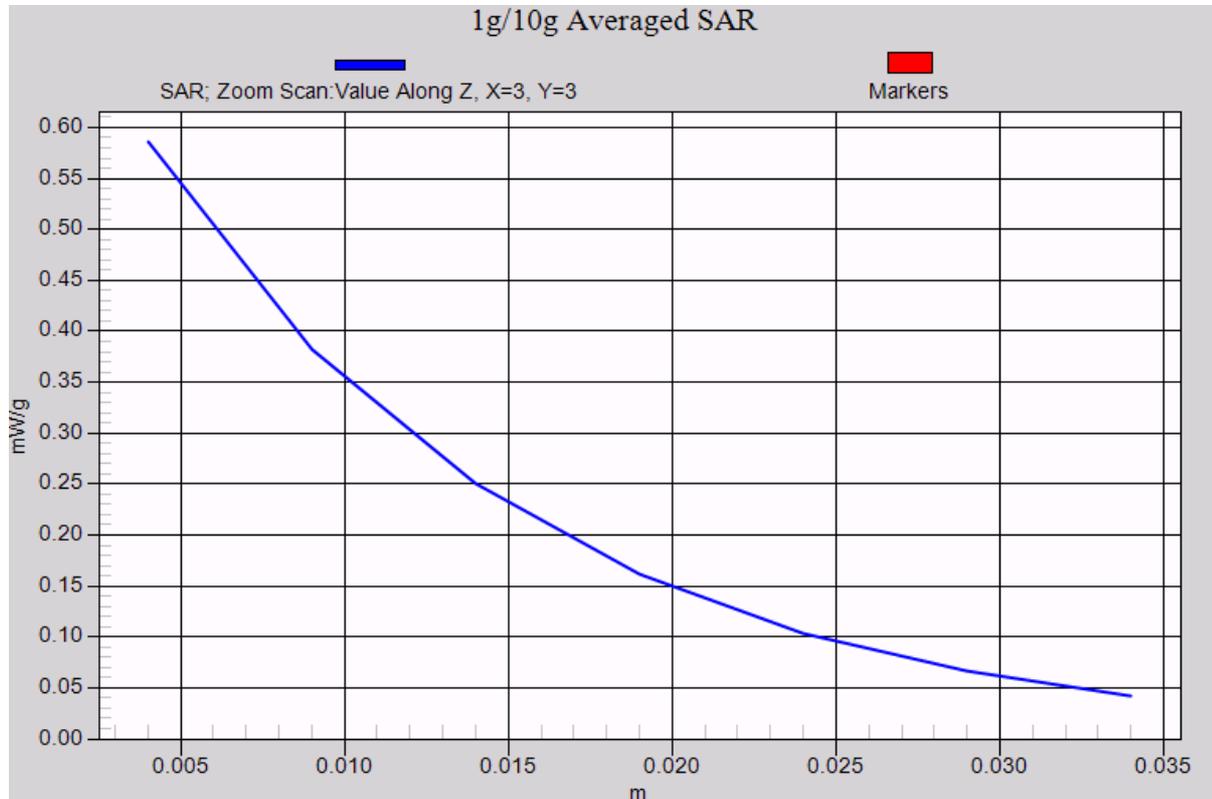
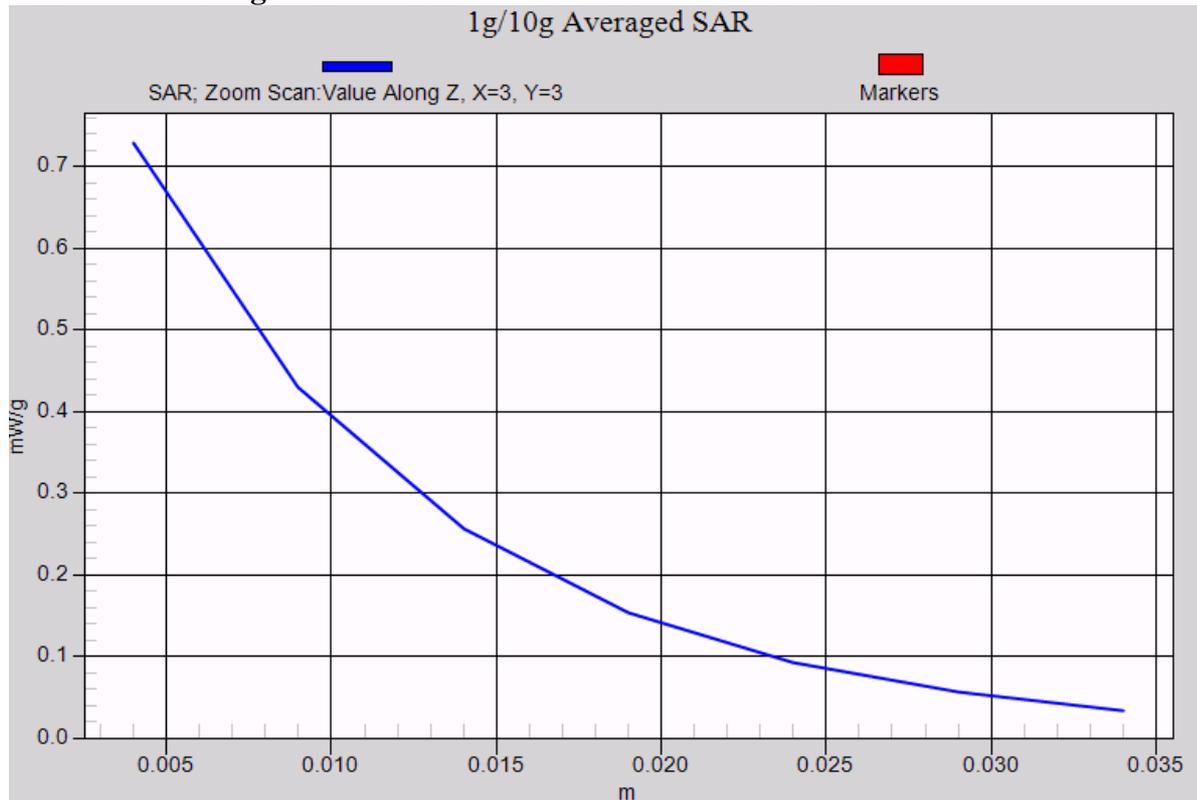
**U1250-9 towards ground- GSM1900 GPRS 2TS Channel 661**



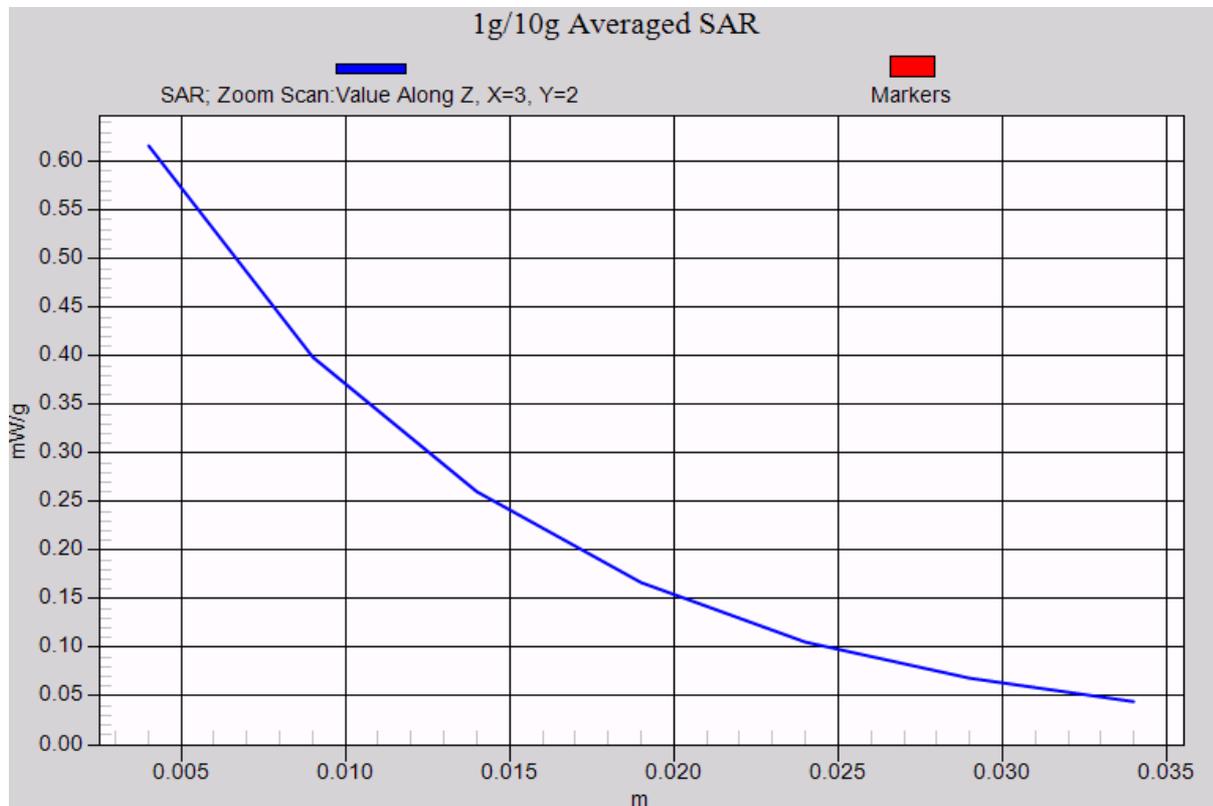
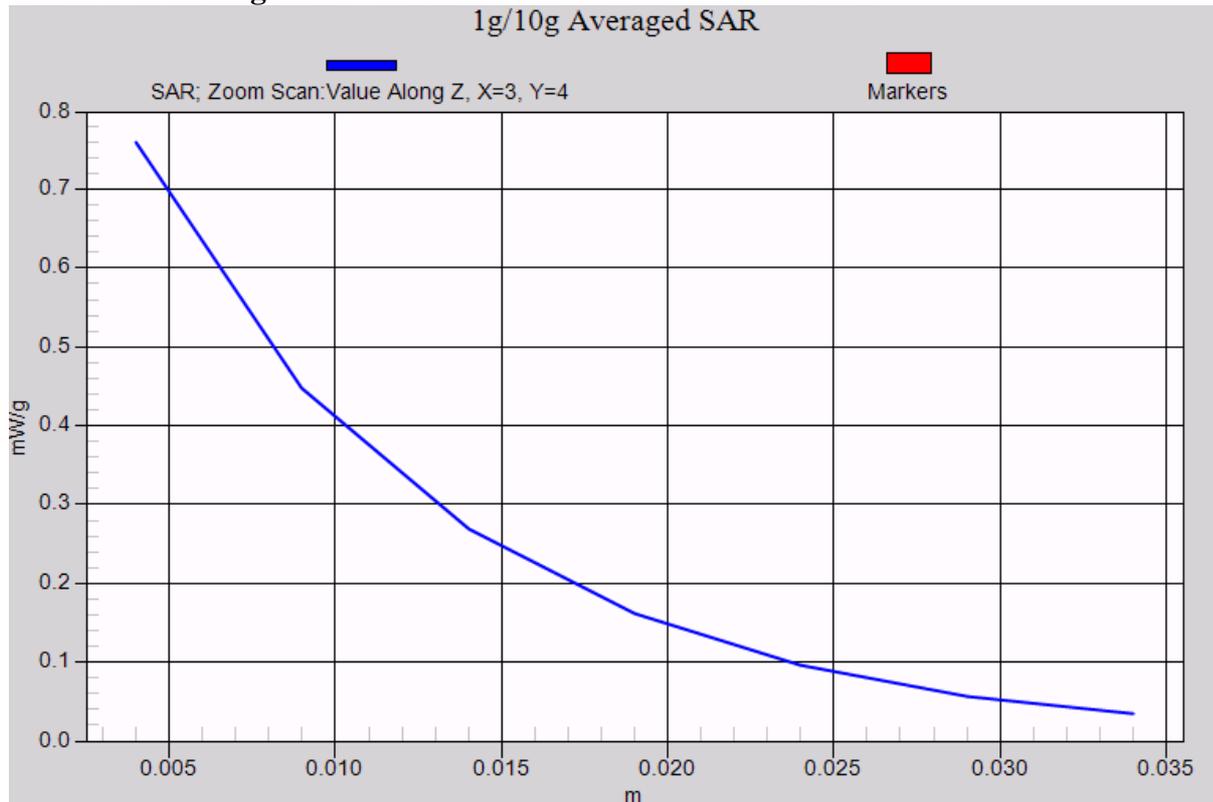
**U1250-9 towards ground- GSM1900 GPRS 2TS Channel 810**



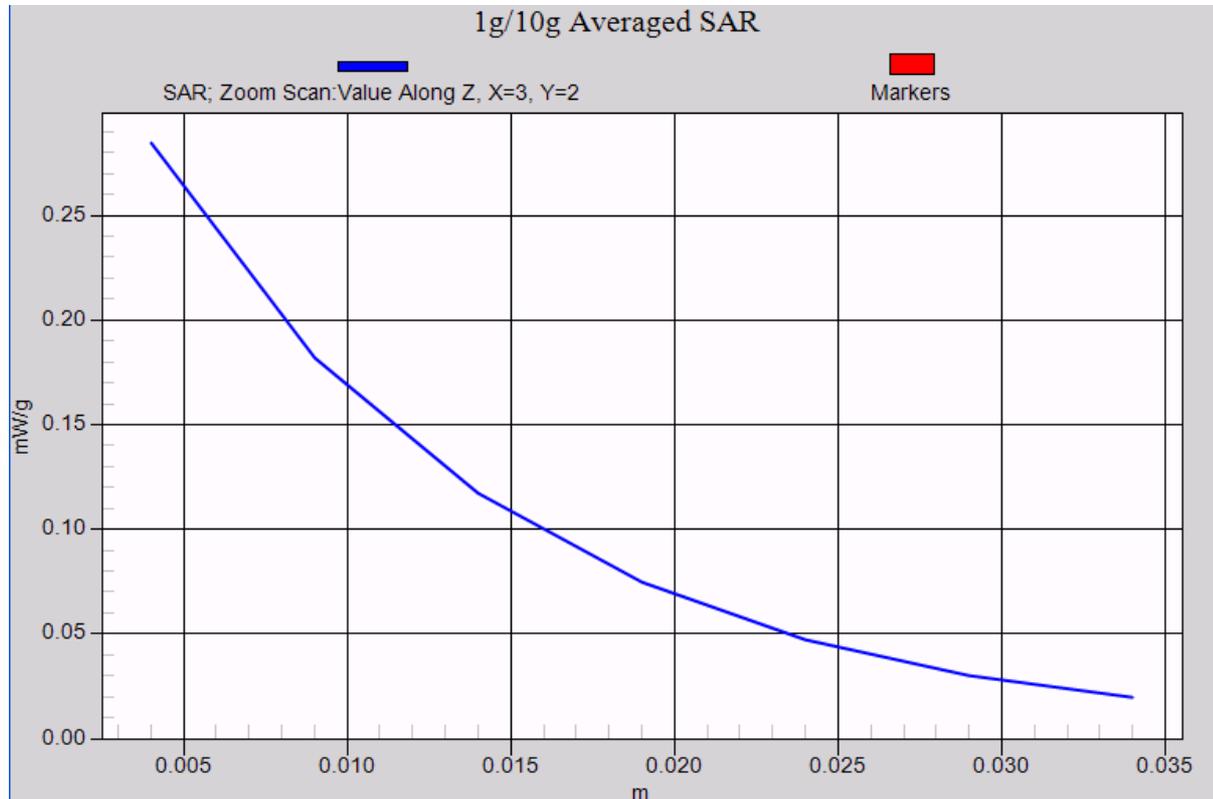
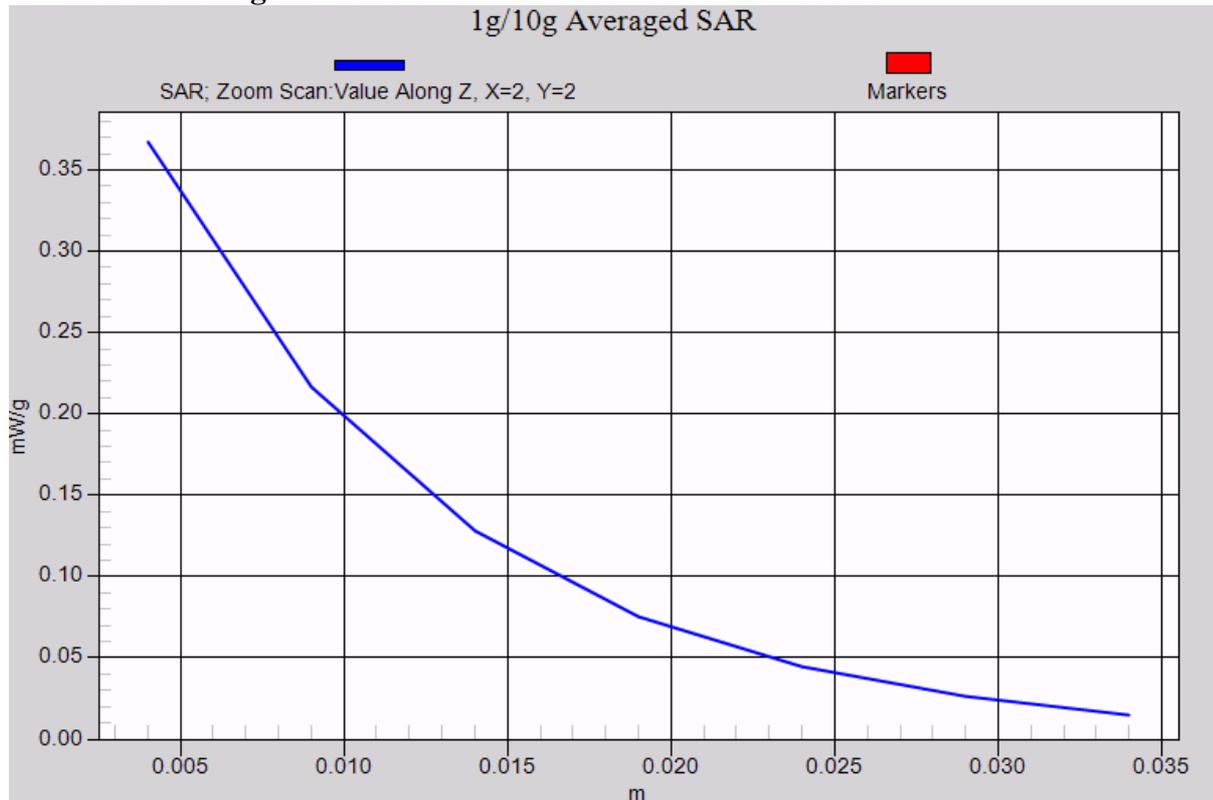
U1250-9 towards ground- GSM1900 GPRS 2TS Channel 512



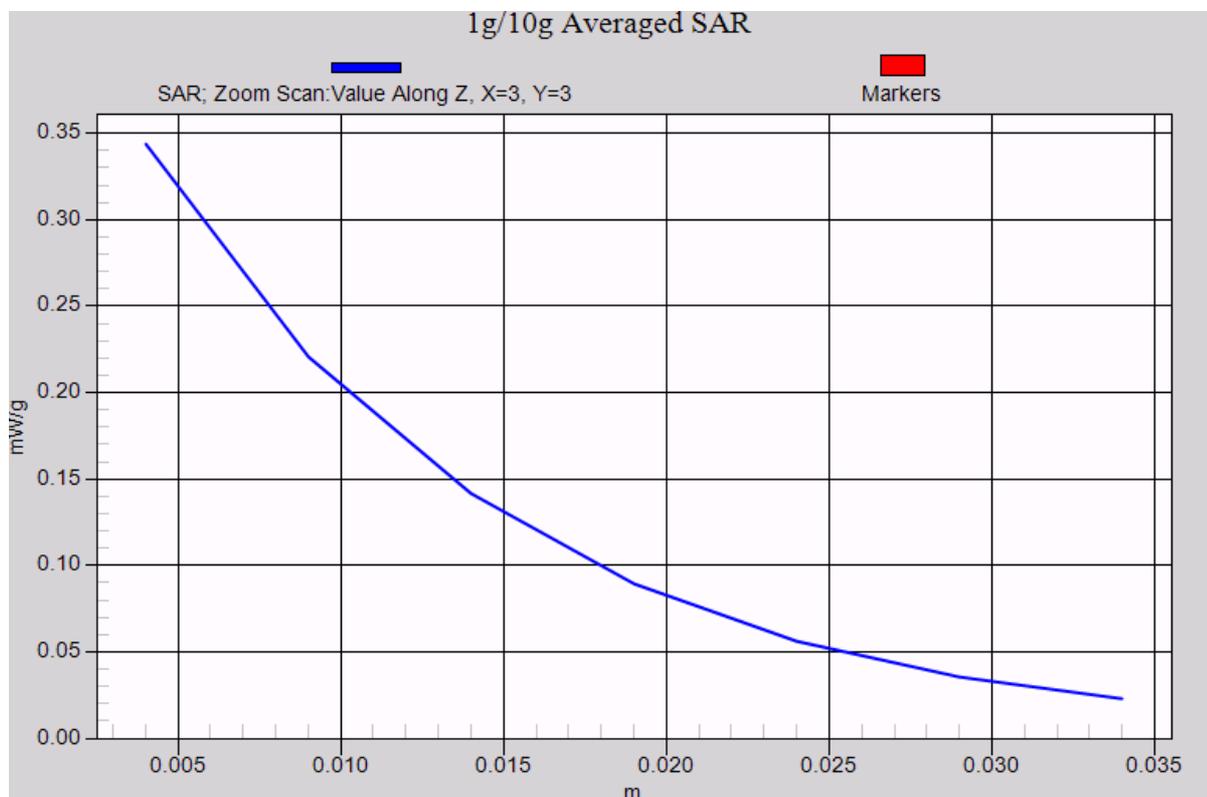
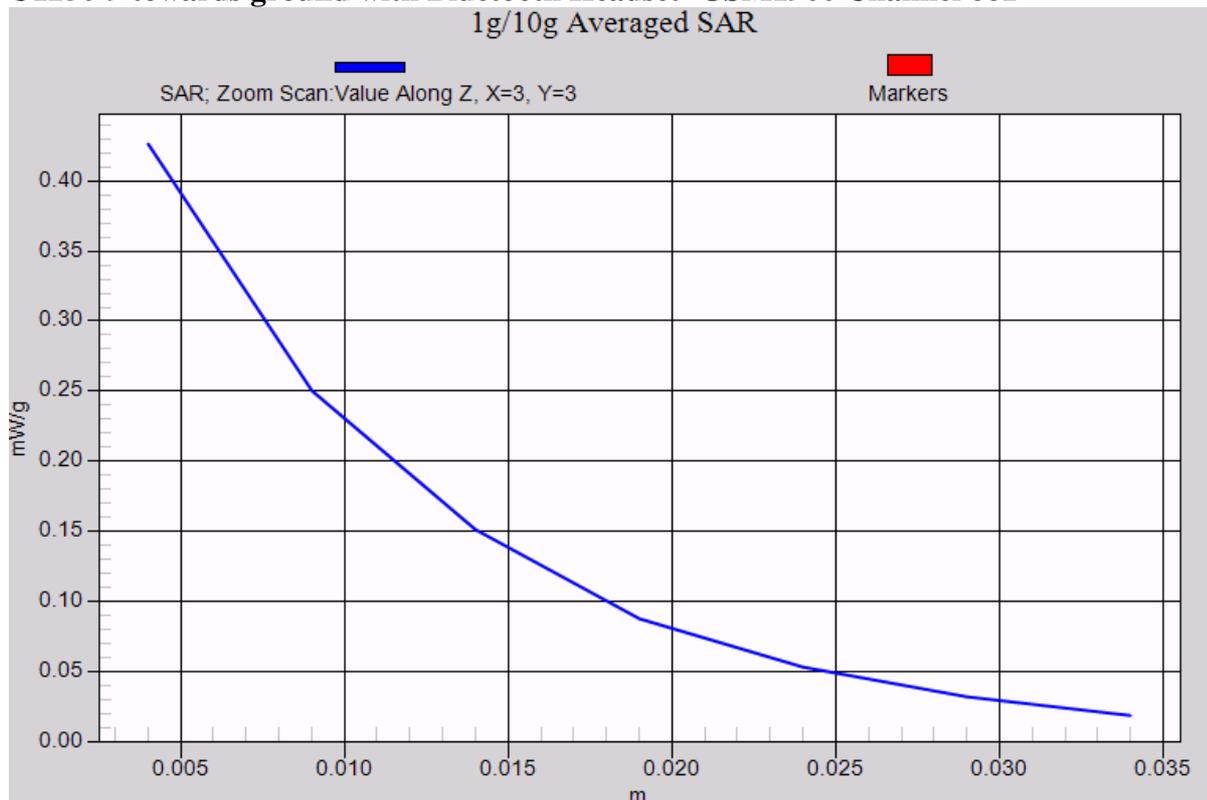
U1250-9 towards ground- GSM1900 EGPRS 2TS Channel 661



**U1250-9 towards ground with Headset- GSM1900 Channel 661**

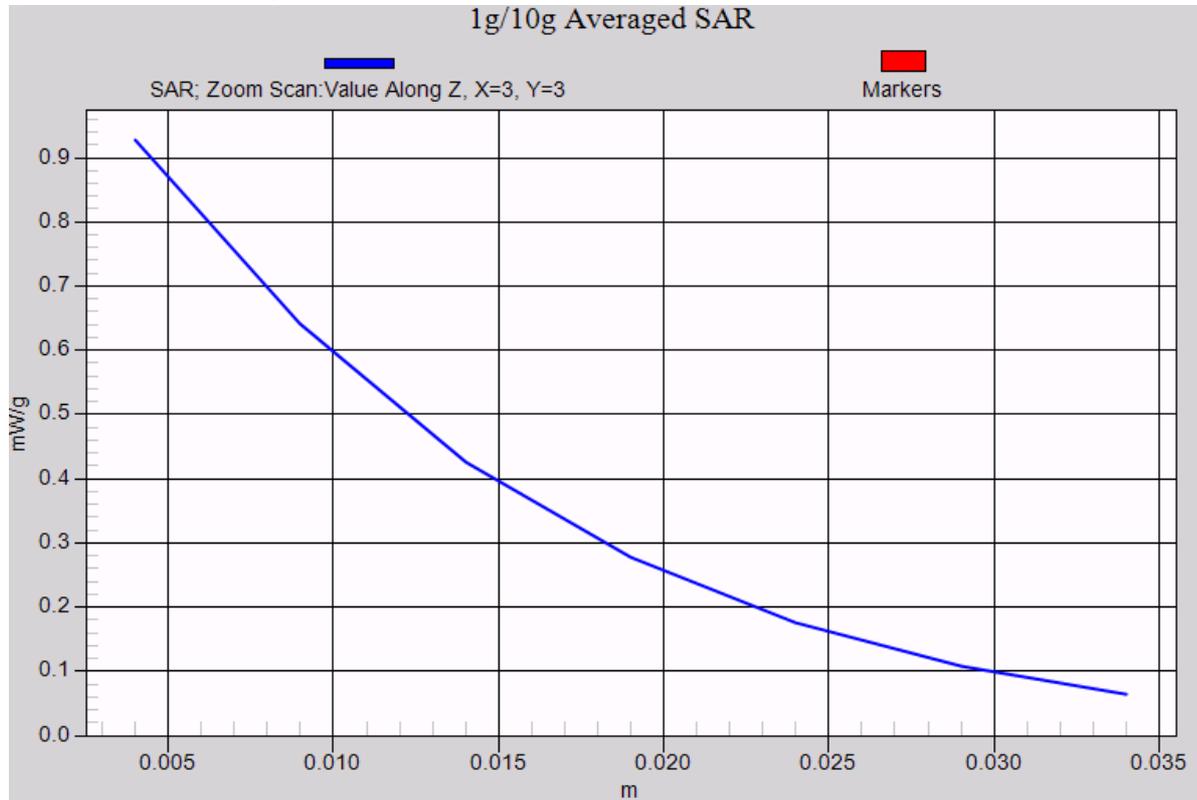


**U1250-9 towards ground with Bluetooth Headset- GSM1900 Channel 661**

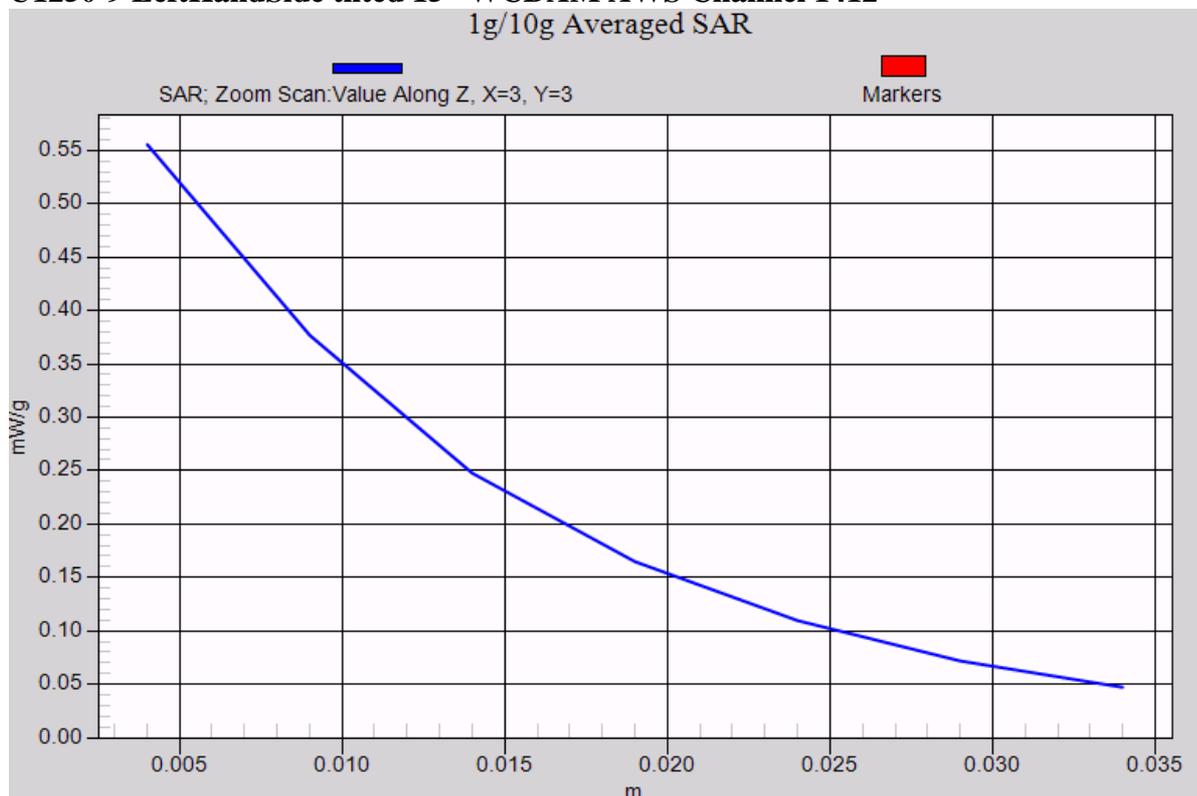


**WCDAM AWS head:**

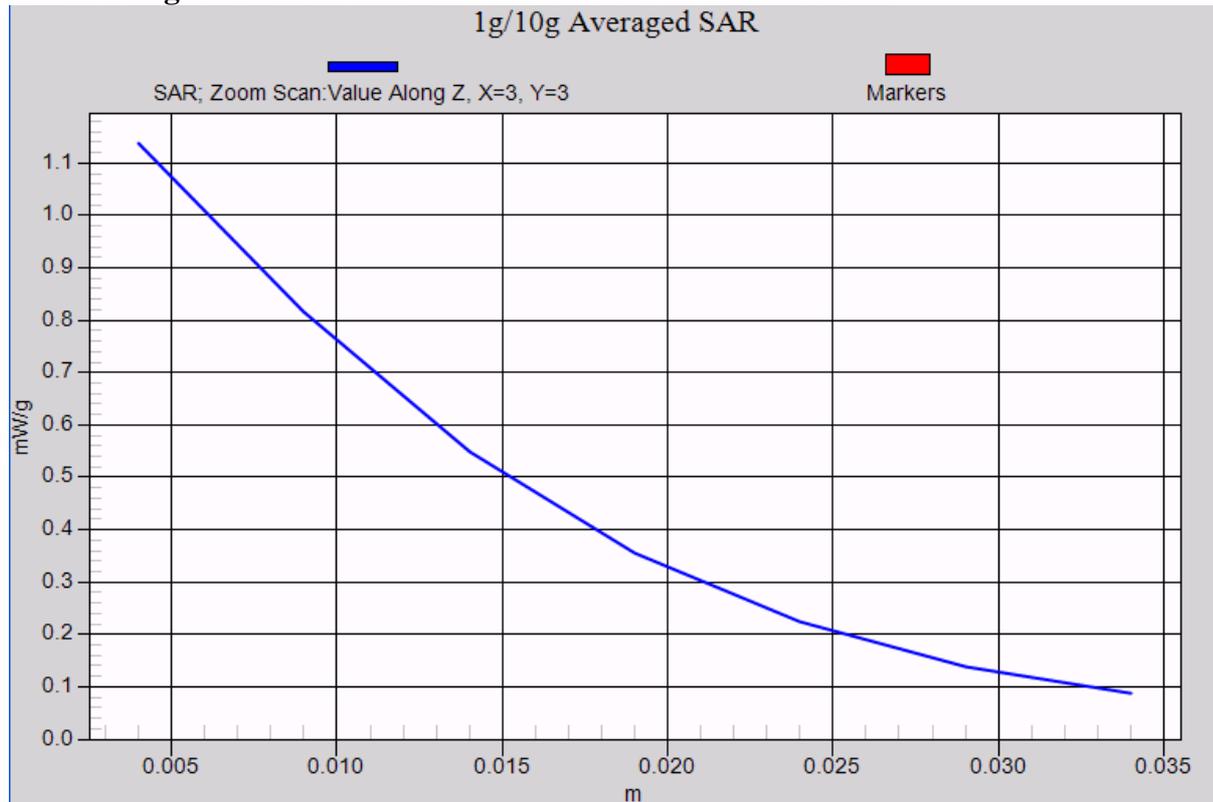
**U1250-9 LeftHandSide touched- WCDAM AWS Channel 1412**



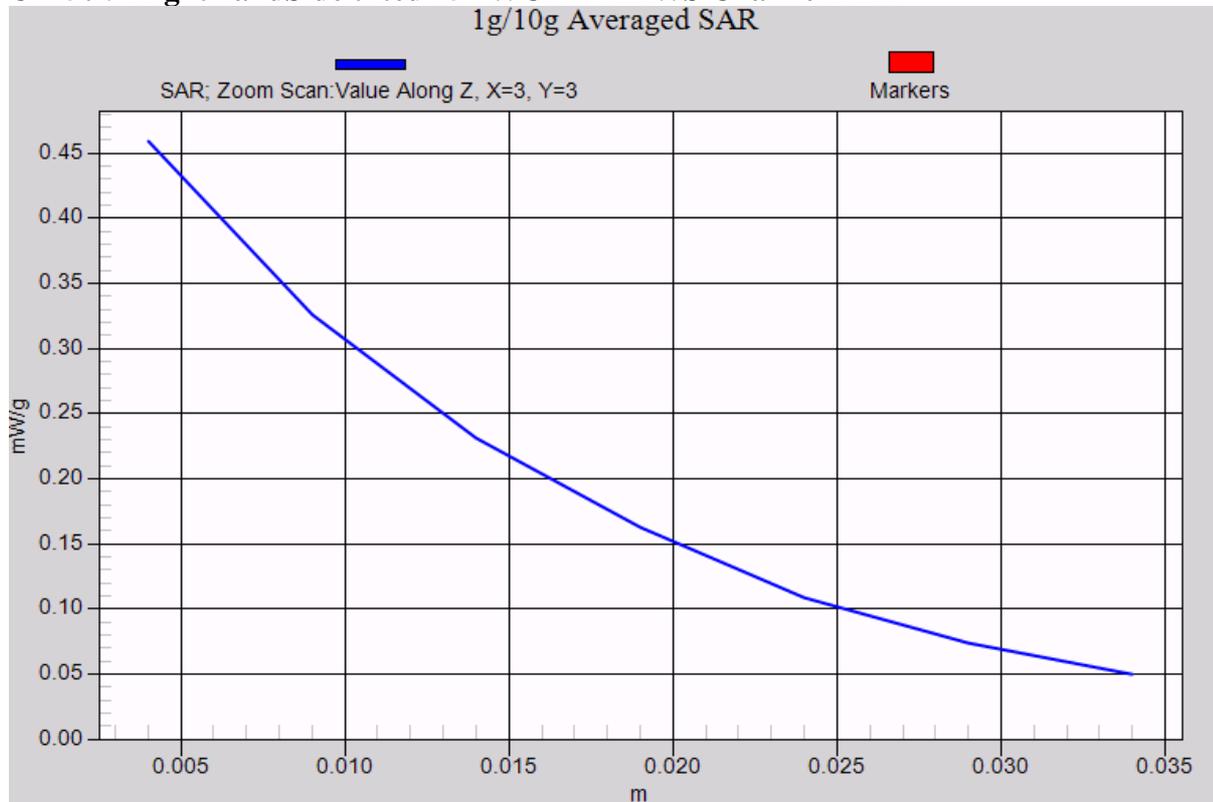
**U1250-9 LeftHandSide tilted 15° -WCDAM AWS Channel 1412**



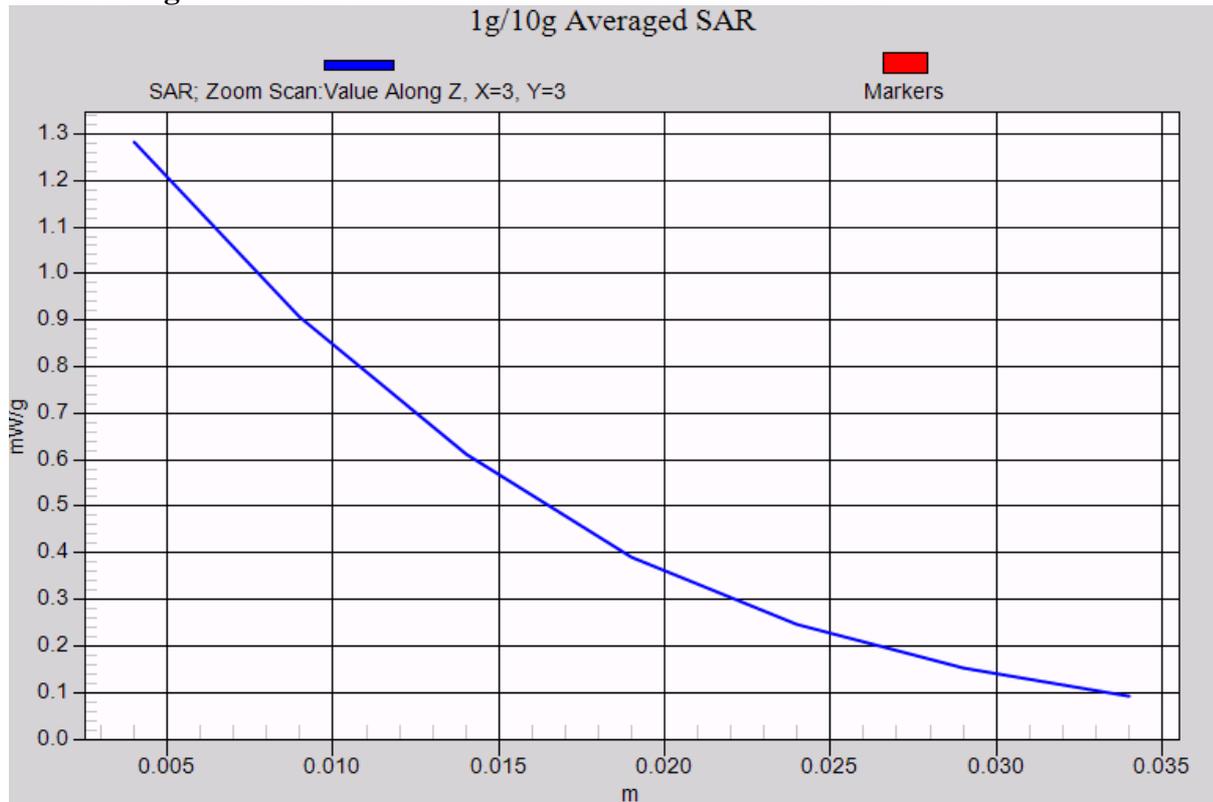
**U1250-9 RightHandSide touched- WCDAM AWS Channel 1412**



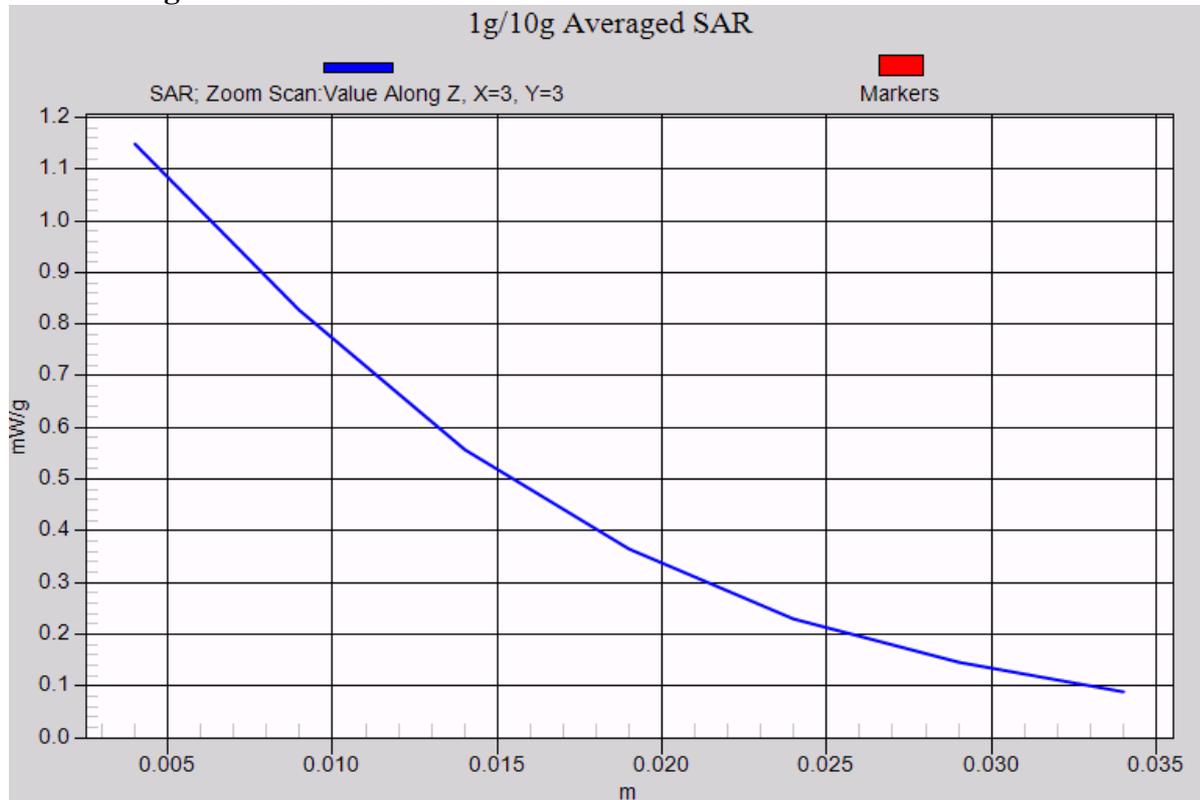
**U1250-9 RightHandSide tilted 15°-WCDAM AWS Channel 1412**



**U1250-9 RightHandSide touched- WCDAM AWS Channel 1513**

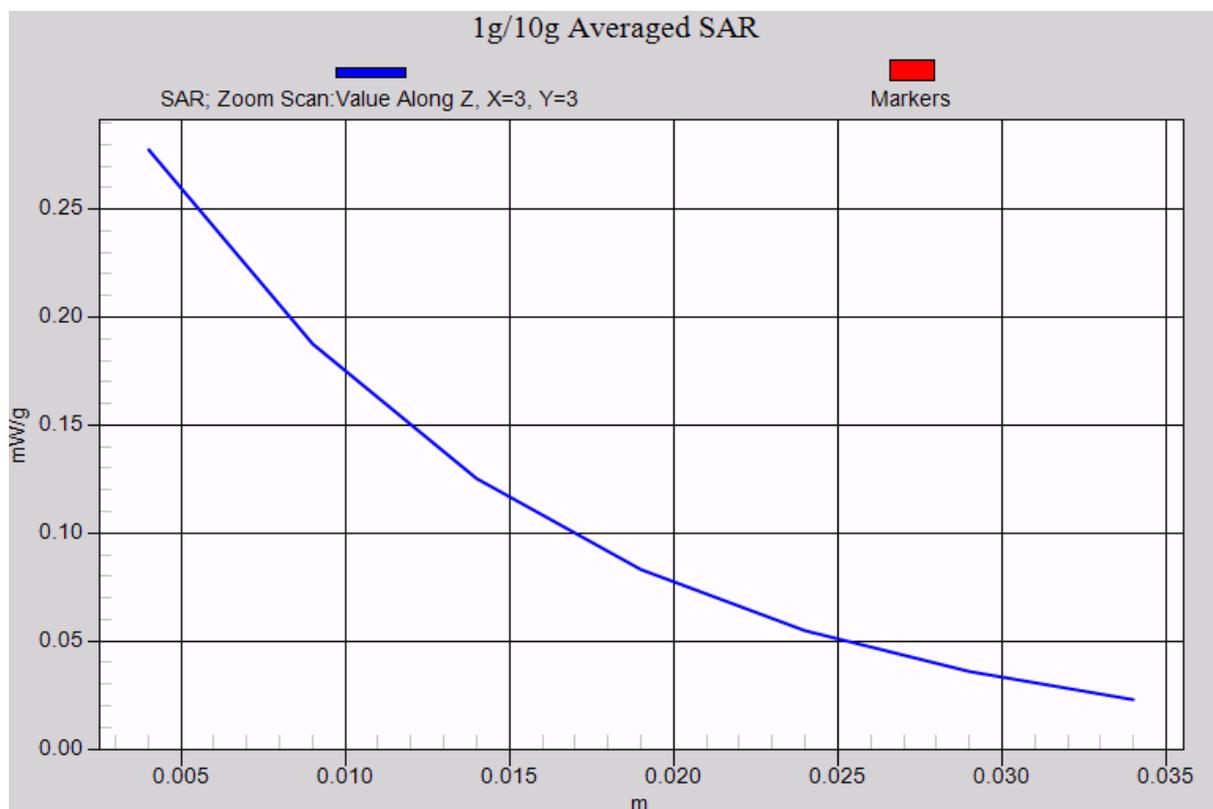
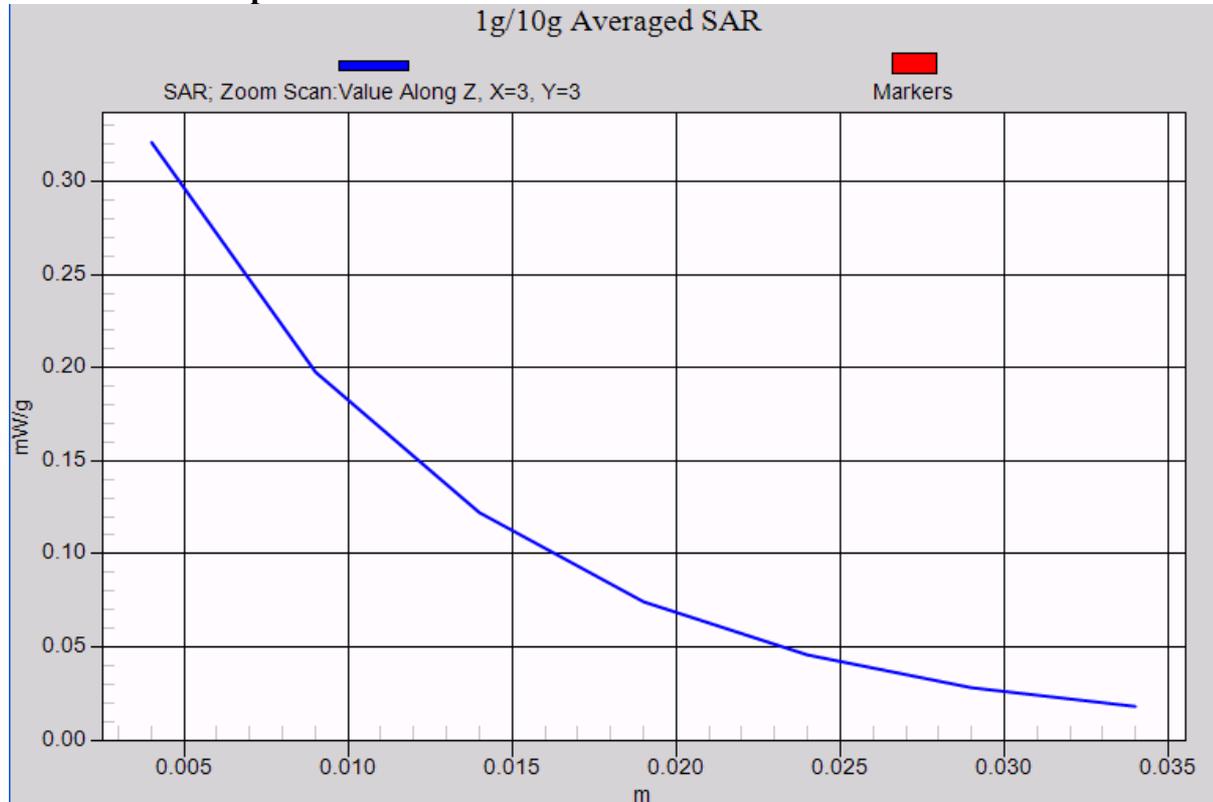


**U1250-9 RightHandSide touched- WCDAM AWS Channel 1312**

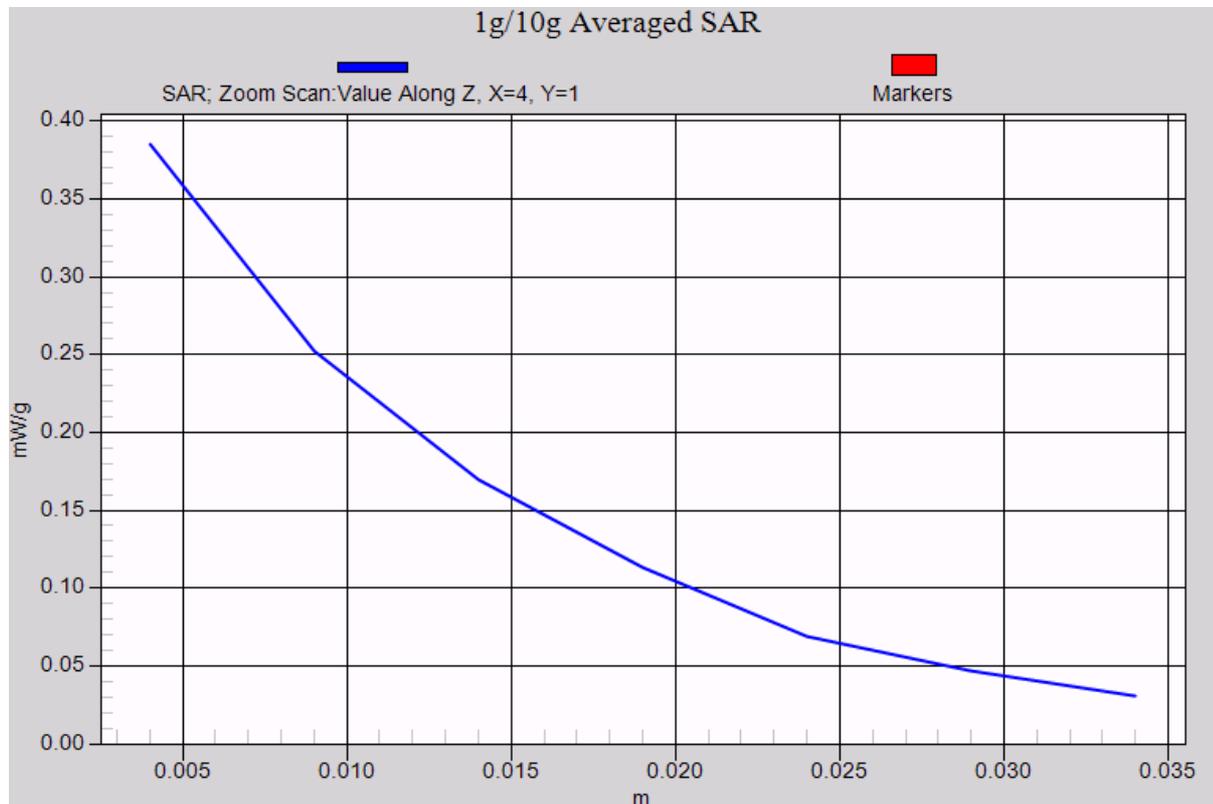
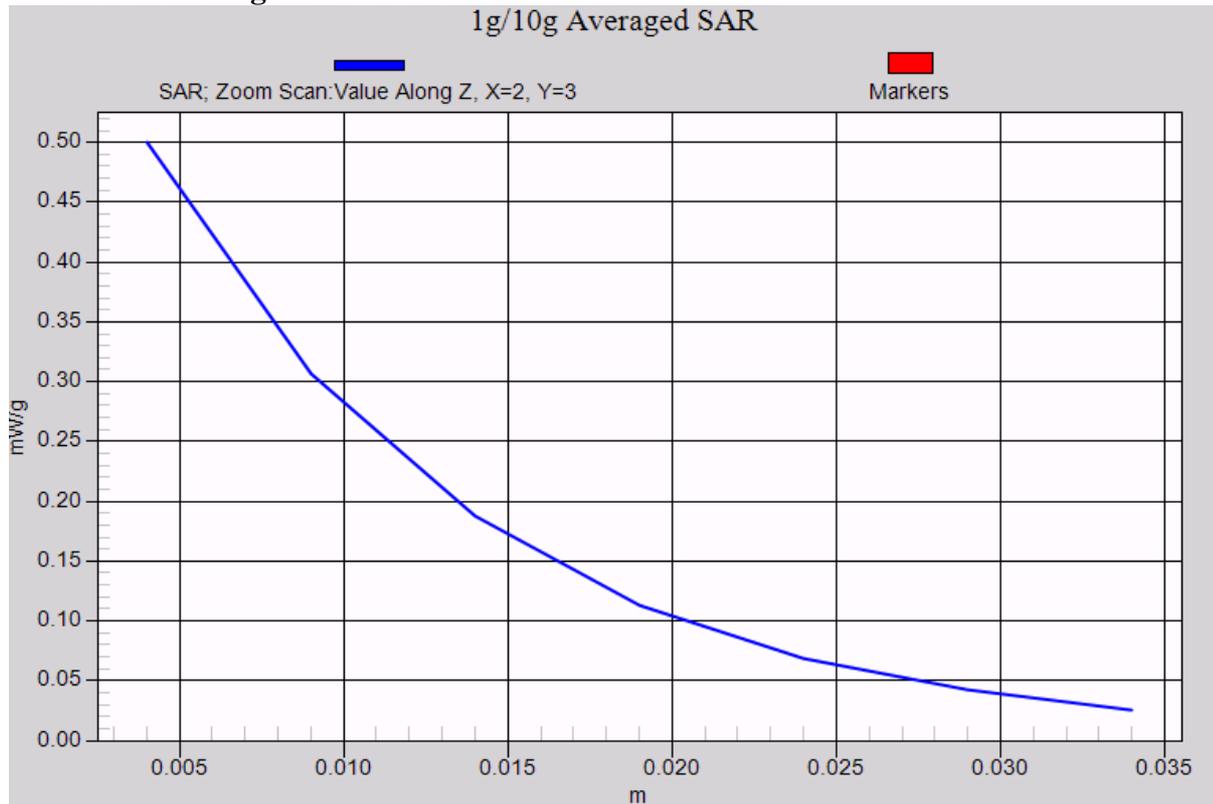


WCDAM AWS body:

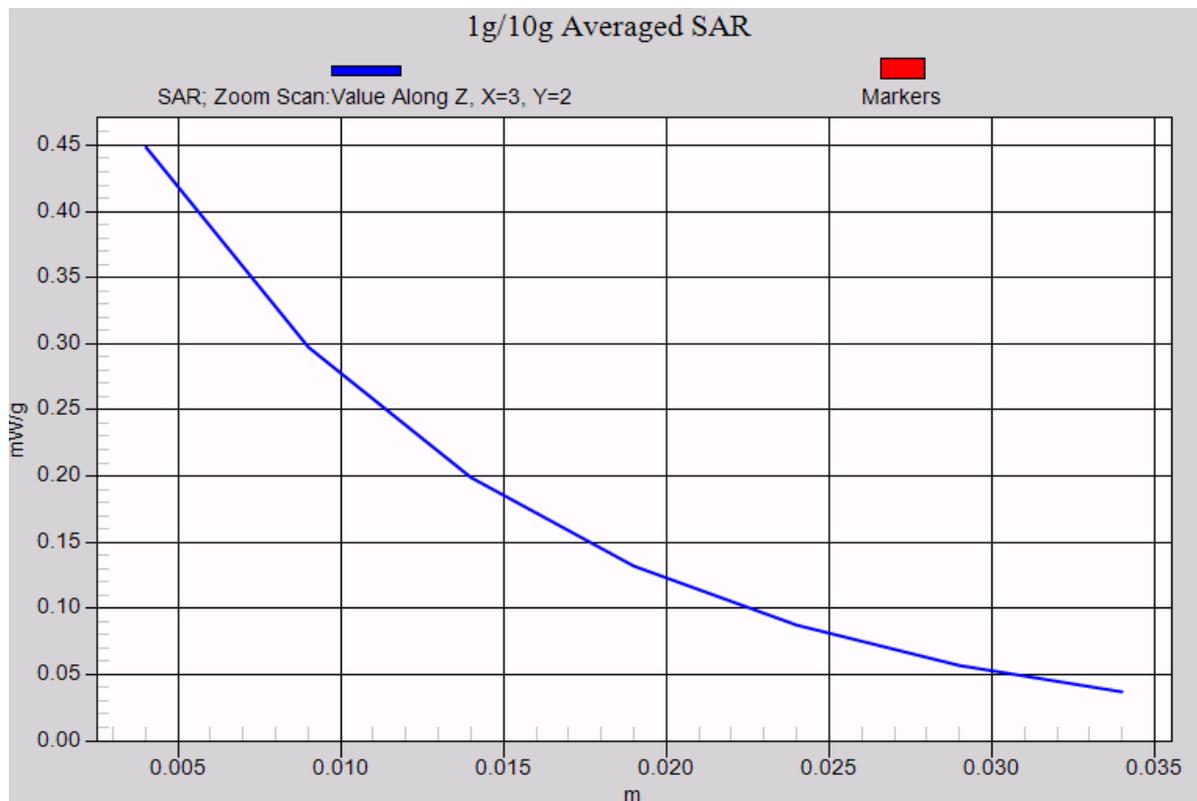
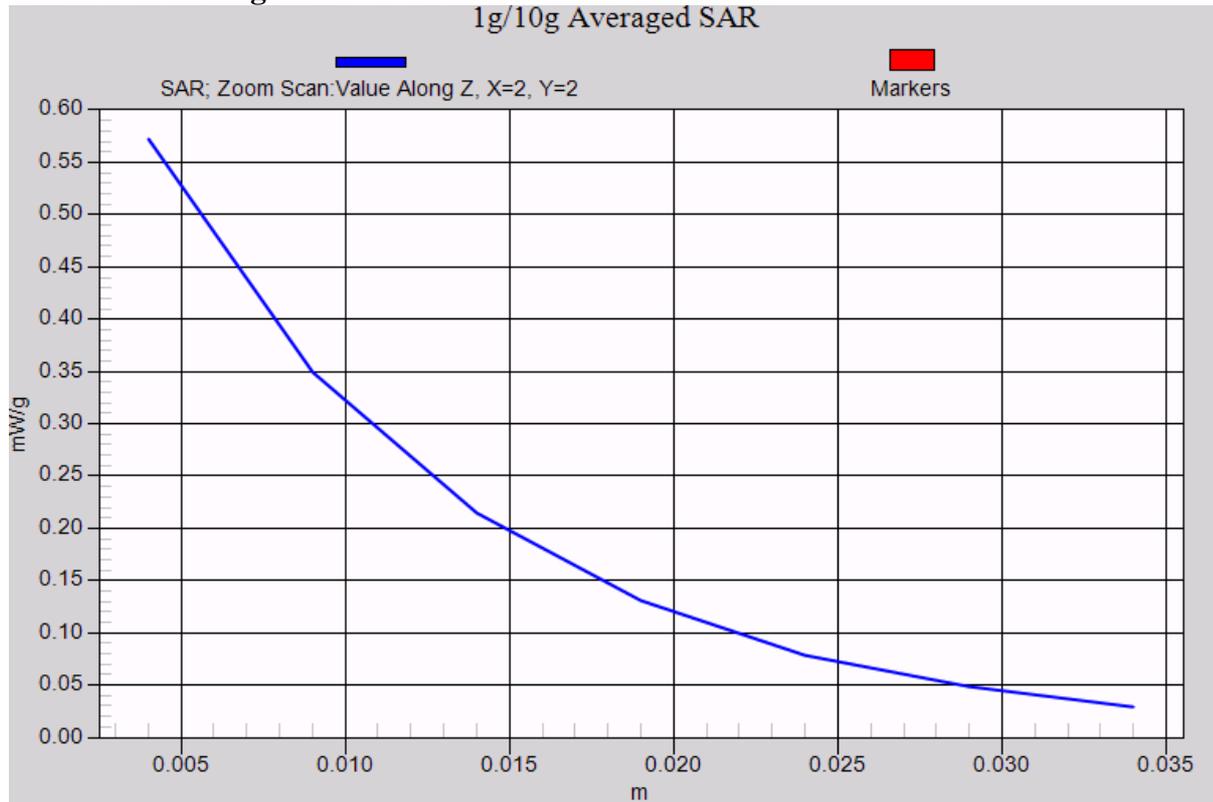
U1250-9 towards phantom- WCDAM AWS Channel 1412



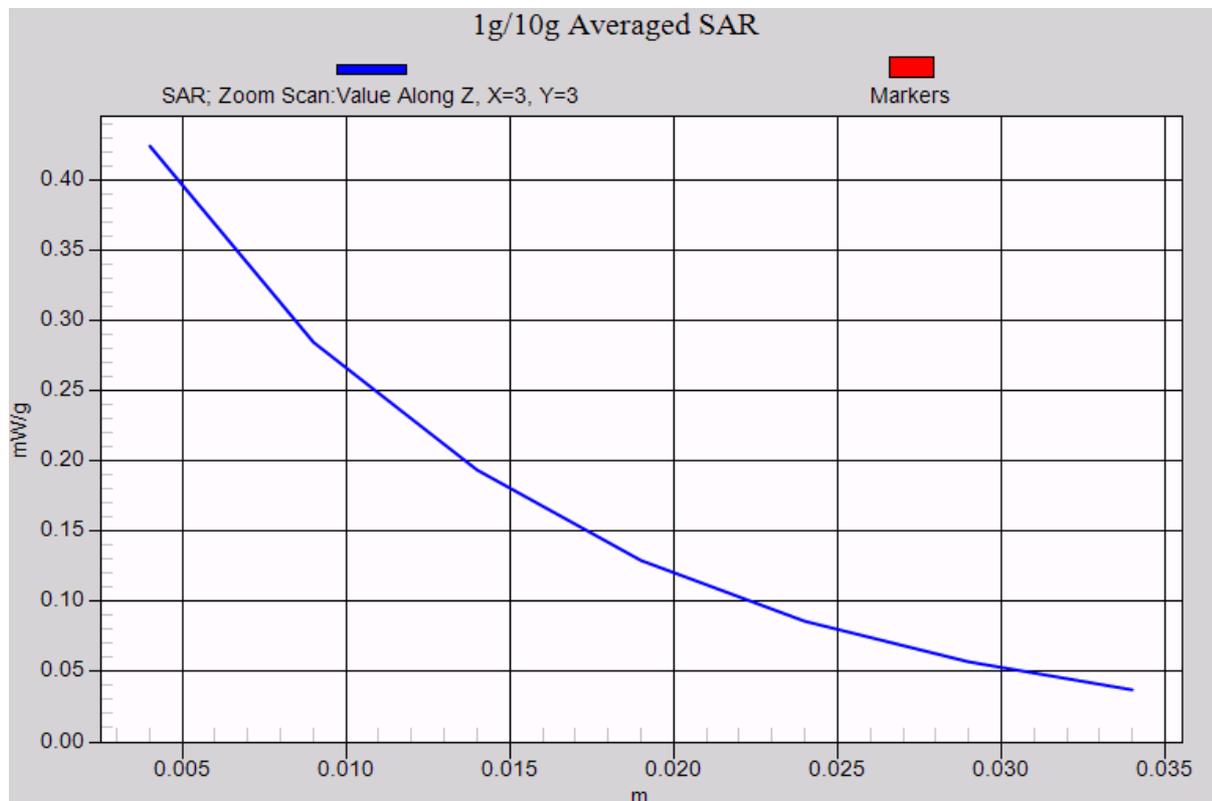
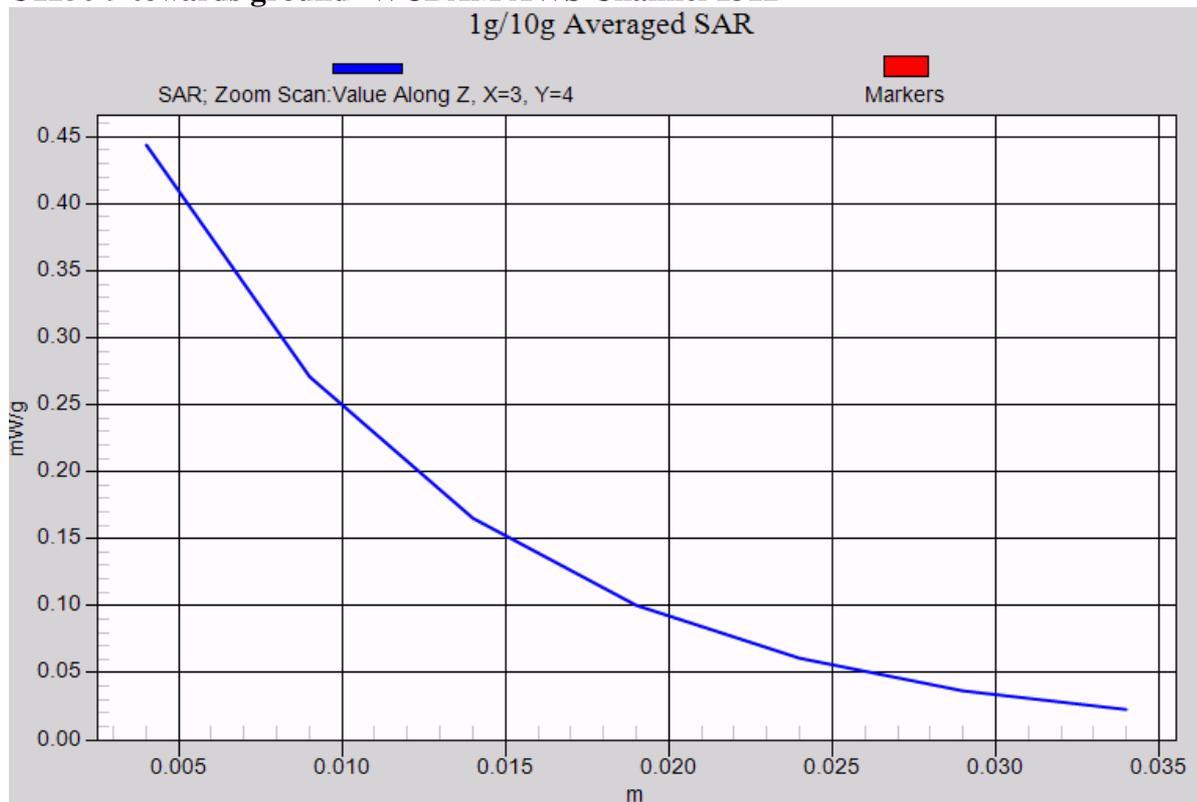
U1250-9 towards ground- WCDAM AWS Channel 1412



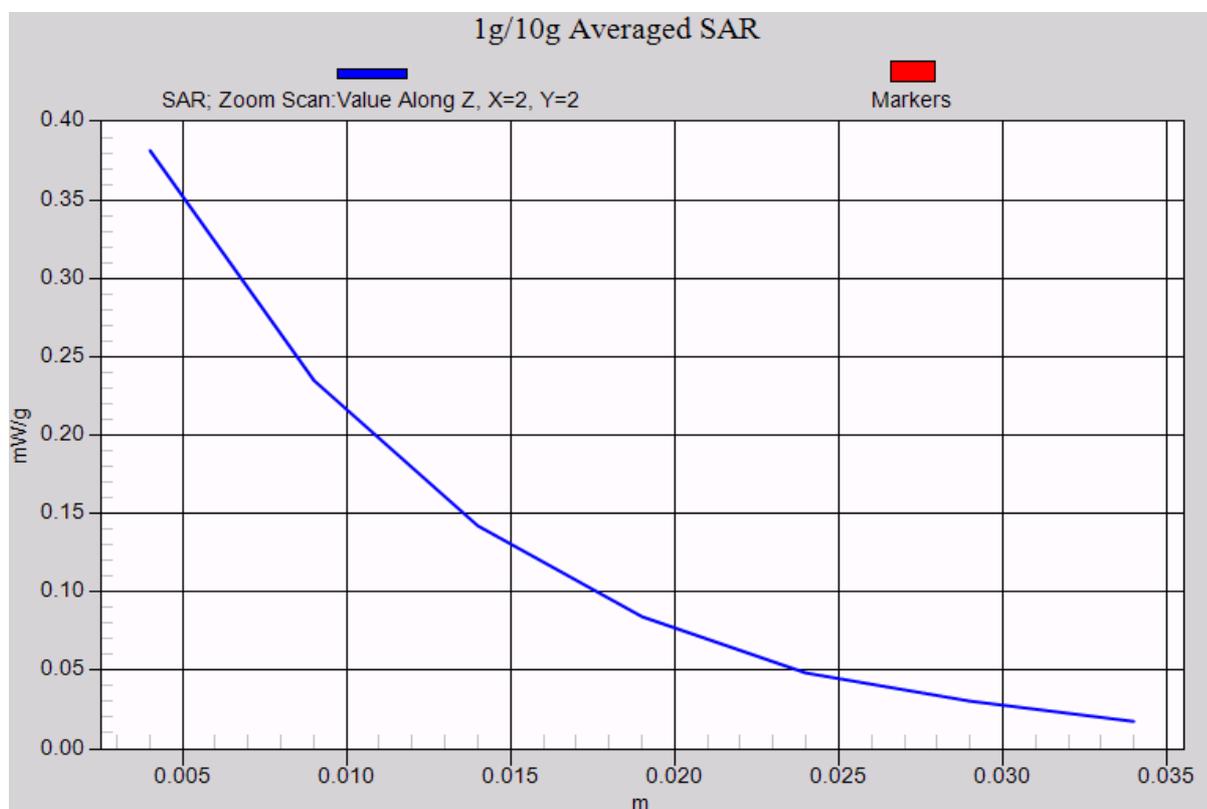
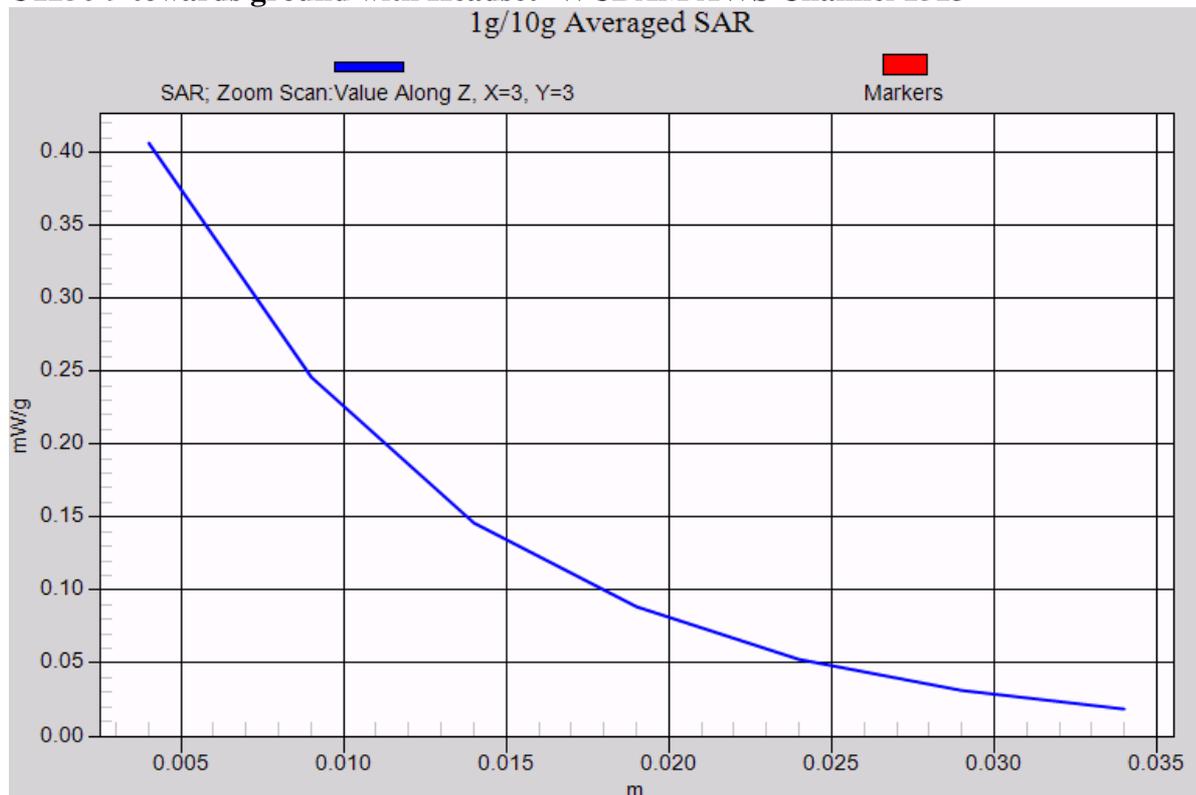
U1250-9 towards ground- WCDAM AWS Channel 1513



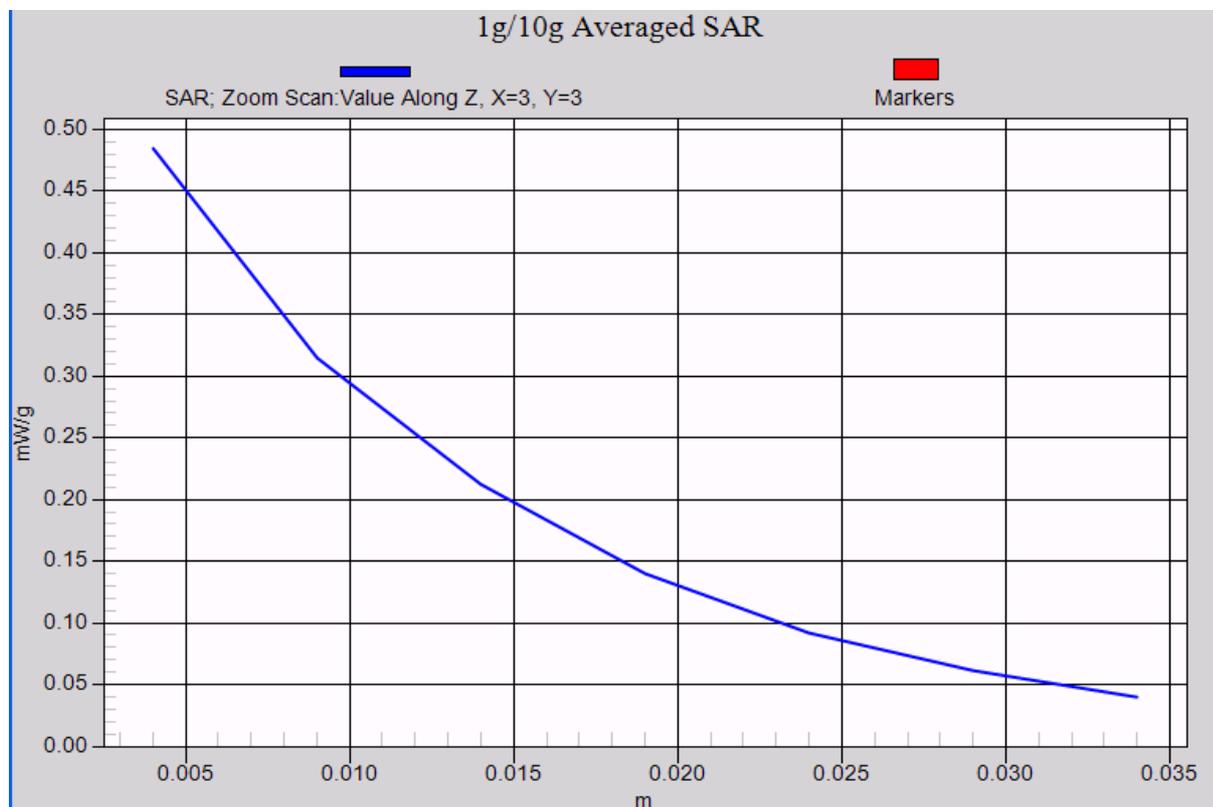
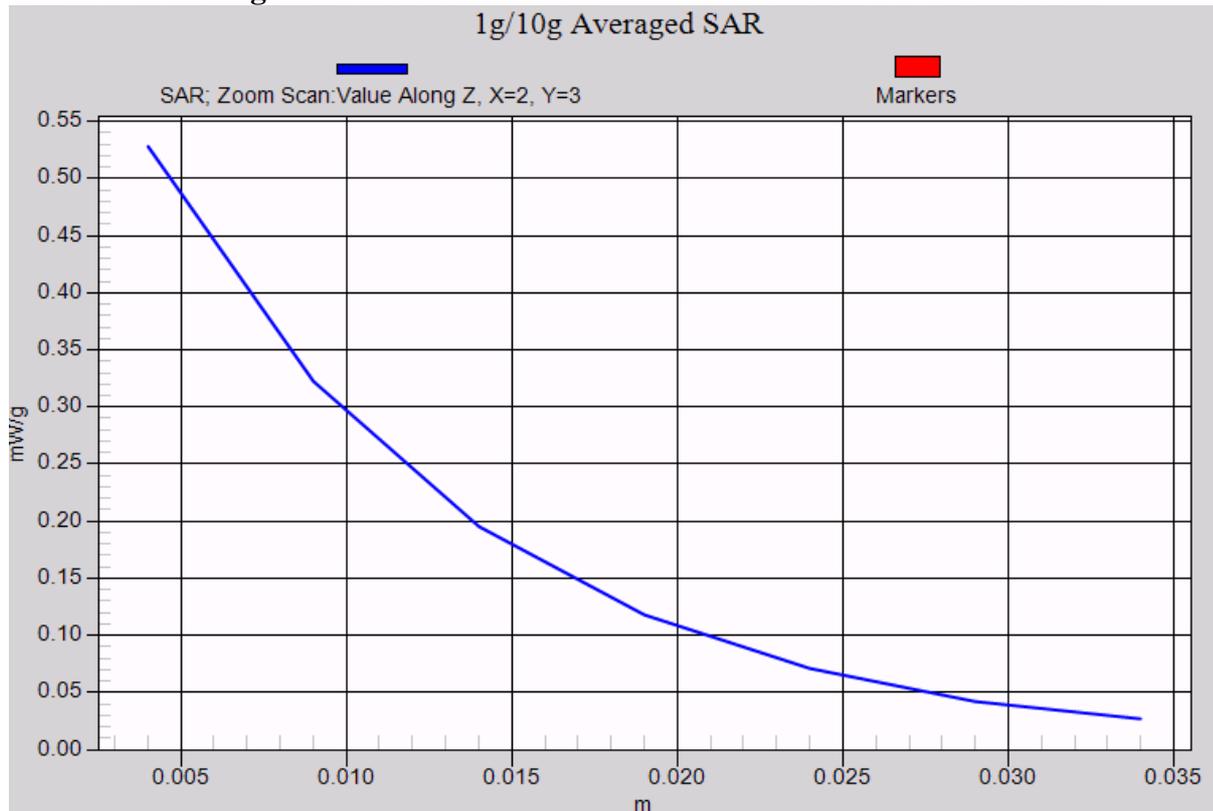
U1250-9 towards ground- WCDAM AWS Channel 1312



**U1250-9 towards ground with Headset- WCDAM AWS Channel 1513**



**U1250-9 towards ground with Bluetooth Headset- WCDAM AWS Channel 1513**



### **Annex 3 Calibration parameters**

**Calibration parameters are described in the additional document:**

**Appendix to test report no. SYBH(Z-SAR)026032010  
Calibration data, Phantom certificate  
and detail information of the DASY5 System**