Annex A

SAR Plots

Date/Time: 5/28/2015 11:32:23 AM

450MHz validation 05-28-2015

DUT: Dipole 450 MHz; Type: D450V2; Serial: D450V2 - SN:1090

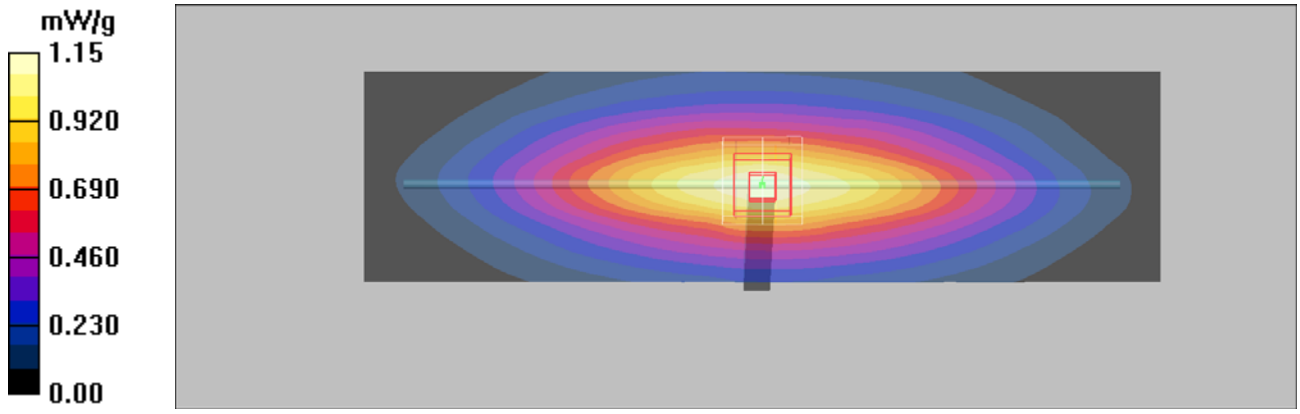
Communication System: CW; Frequency: 450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.83 mho/m; ε_r = 46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x301x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.15 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 36.9 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.720 mW/g
Maximum value of SAR (measured) = 1.15 mW/g



Date/Time: 5/29/2015 9:53:27 AM

high ch 511.9MHzbody worn

DUT: Allinco; Type: PTT; Serial: T000403

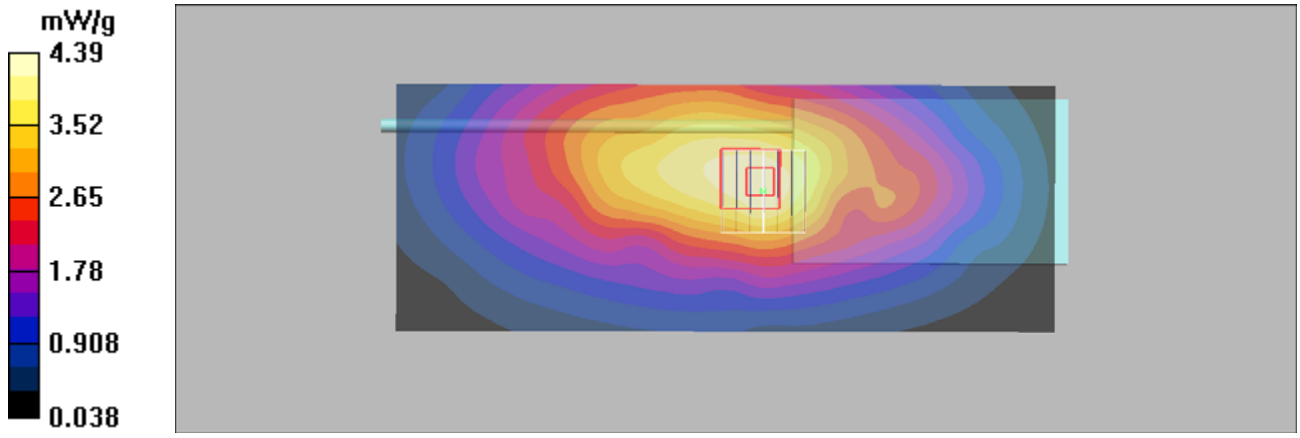
Communication System: Alinco CW; Frequency: 512 MHz;Duty Cycle: 1:1
Medium parameters used: f = 512 MHz; σ = 1.01 mho/m; ε_r = 60.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.39 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 65.1 V/m; Power Drift = -0.330 dB
Peak SAR (extrapolated) = 6.01 W/kg
SAR(1 g) = 4.17 mW/g; SAR(10 g) = 2.9 mW/g
Maximum value of SAR (measured) = 4.42 mW/g



Date/Time: 5/29/2015 8:12:12 AM

high ch 511.9MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

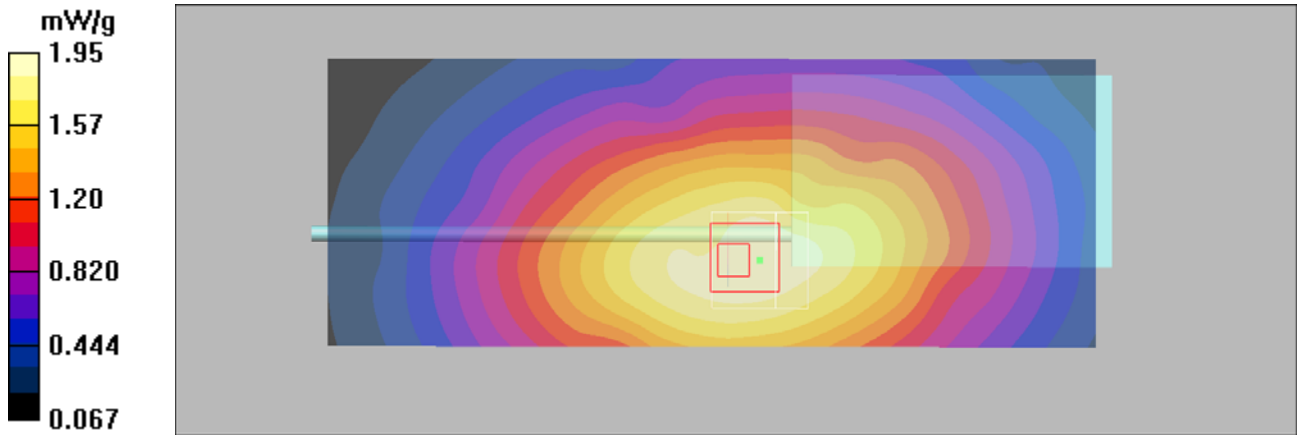
Communication System: Alinco CW; Frequency: 512 MHz;Duty Cycle: 1:1
Medium parameters used: f = 512 MHz; σ = 0.88 mho/m; ε_r = 44.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.95 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 42.2 V/m; Power Drift = -0.325 dB
Peak SAR (extrapolated) = 2.54 W/kg
SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.37 mW/g
Maximum value of SAR (measured) = 1.93 mW/g



Date/Time: 5/30/2015 9:57:18 AM

mid ch 496MHz body worn

DUT: Allinco; Type: PTT; Serial: T000403

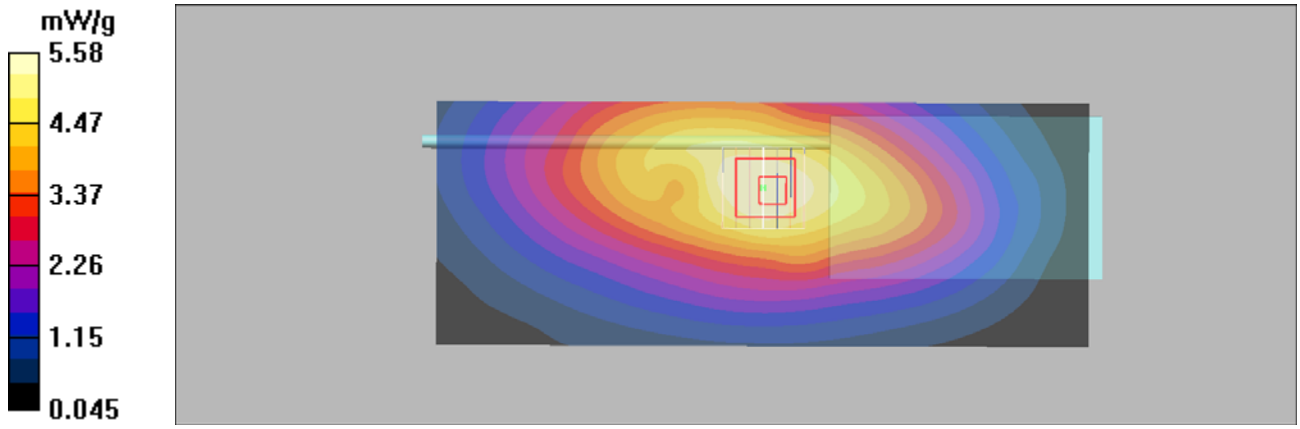
Communication System: Alinco CW; Frequency: 496 MHz;Duty Cycle: 1:1
Medium parameters used: f = 496 MHz; σ = 1 mho/m; ε_r = 60.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 5.58 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 75.6 V/m; Power Drift = -0.401 dB
Peak SAR (extrapolated) = 7.50 W/kg
SAR(1 g) = 5.4 mW/g; SAR(10 g) = 3.91 mW/g
Maximum value of SAR (measured) = 5.70 mW/g



Date/Time: 5/30/2015 11:24:50 AM

high ch 496MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

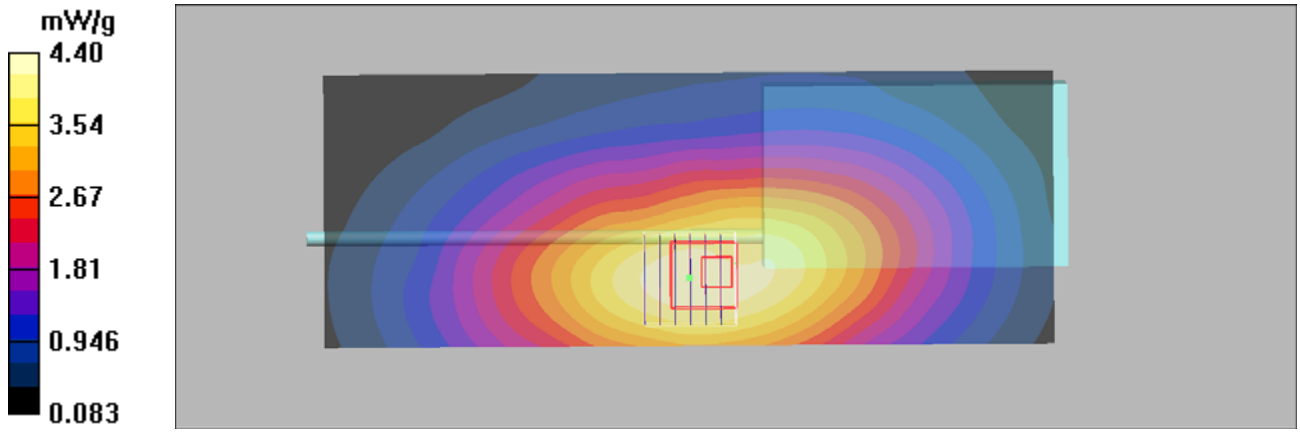
Communication System: Alinco CW; Frequency: 496 MHz;Duty Cycle: 1:1
Medium parameters used: f = 496 MHz; σ = 0.86 mho/m; ε_r = 44.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.40 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.4 V/m; Power Drift = -0.364 dB
Peak SAR (extrapolated) = 5.61 W/kg
SAR(1 g) = 4.11 mW/g; SAR(10 g) = 3.02 mW/g
Maximum value of SAR (measured) = 4.32 mW/g



Date/Time: 5/29/2015 10:47:01 AM

low ch 450.1MHz body worn

DUT: Allinco; Type: PTT; Serial: T000403

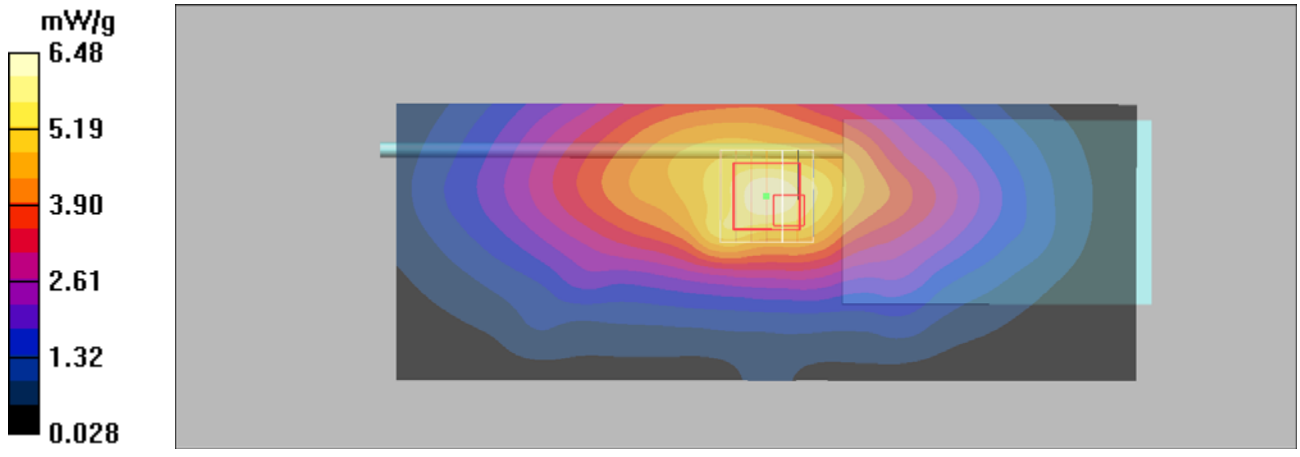
Communication System: Alinco CW; Frequency: 450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.96 mho/m; ε_r = 61.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 6.48 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 71.3 V/m; Power Drift = 0.183 dB
Peak SAR (extrapolated) = 8.34 W/kg
SAR(1 g) = 5.61 mW/g; SAR(10 g) = 3.95 mW/g
Maximum value of SAR (measured) = 6.24 mW/g



Date/Time: 5/28/2015 4:32:01 PM

low ch 450.1MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

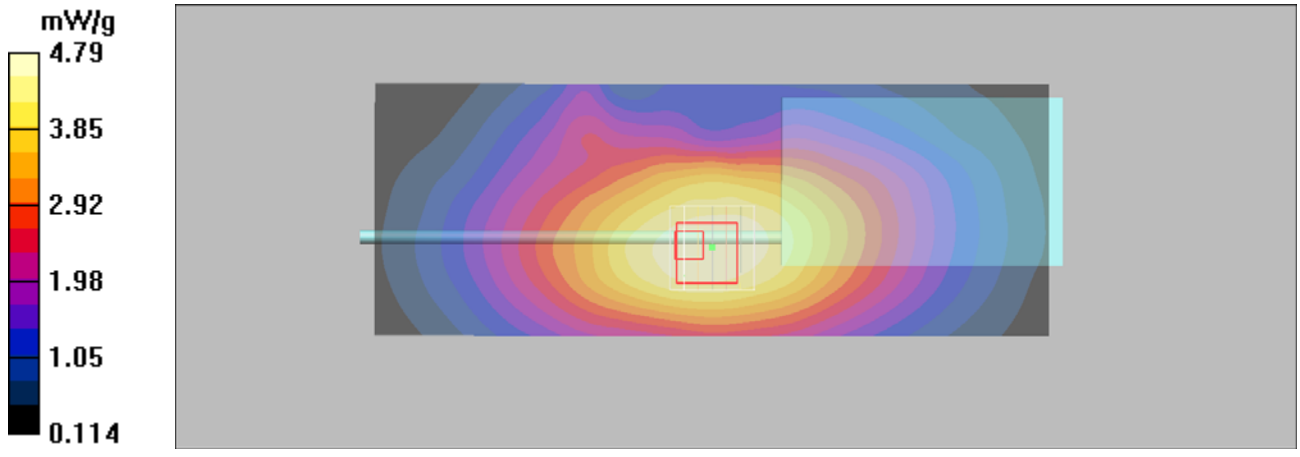
Communication System: Alinco CW; Frequency: 450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.83 mho/m; ε_r = 46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.79 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 65.9 V/m; Power Drift = -0.658 dB
Peak SAR (extrapolated) = 5.82 W/kg
SAR(1 g) = 4.22 mW/g; SAR(10 g) = 3.12 mW/g
Maximum value of SAR (measured) = 4.51 mW/g



Date/Time: 5/30/2015 9:30:22 AM

mid ch 465MHz body worn

DUT: Allinco; Type: PTT; Serial: T000403

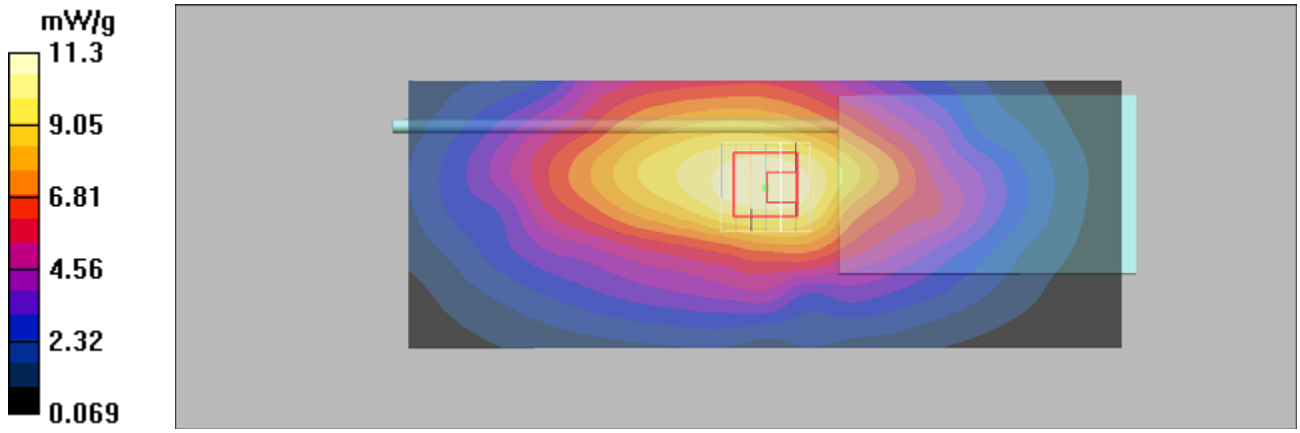
Communication System: Alinco CW; Frequency: 465 MHz;Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.98 mho/m; ε_r = 61.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.3 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 106.9 V/m; Power Drift = -0.735 dB
Peak SAR (extrapolated) = 13.6 W/kg
SAR(1 g) = 9.85 mW/g; SAR(10 g) = 7.18 mW/g
Maximum value of SAR (measured) = 10.7 mW/g



Date/Time: 5/30/2015 10:57:52 AM

low ch 465MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

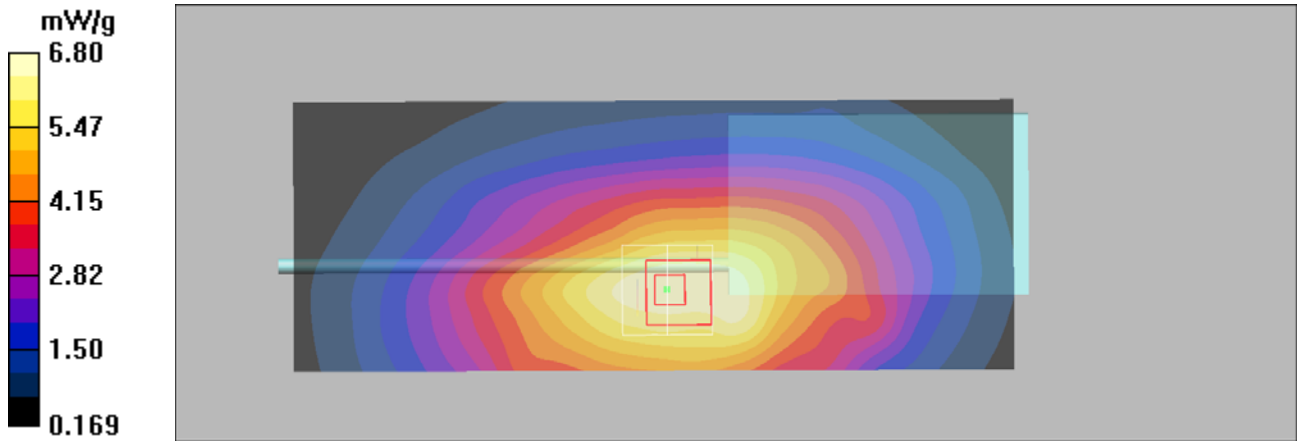
Communication System: Alinco CW; Frequency: 465 MHz;Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.84 mho/m; ε_r = 45.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 6.80 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 69.3 V/m; Power Drift = -0.362 dB
Peak SAR (extrapolated) = 9.20 W/kg
SAR(1 g) = 6.76 mW/g; SAR(10 g) = 4.95 mW/g
Maximum value of SAR (measured) = 7.32 mW/g



Date/Time: 5/29/2015 10:29:56 AM

mid ch 480.1MHzbody worn

DUT: Allinco; Type: PTT; Serial: T000403

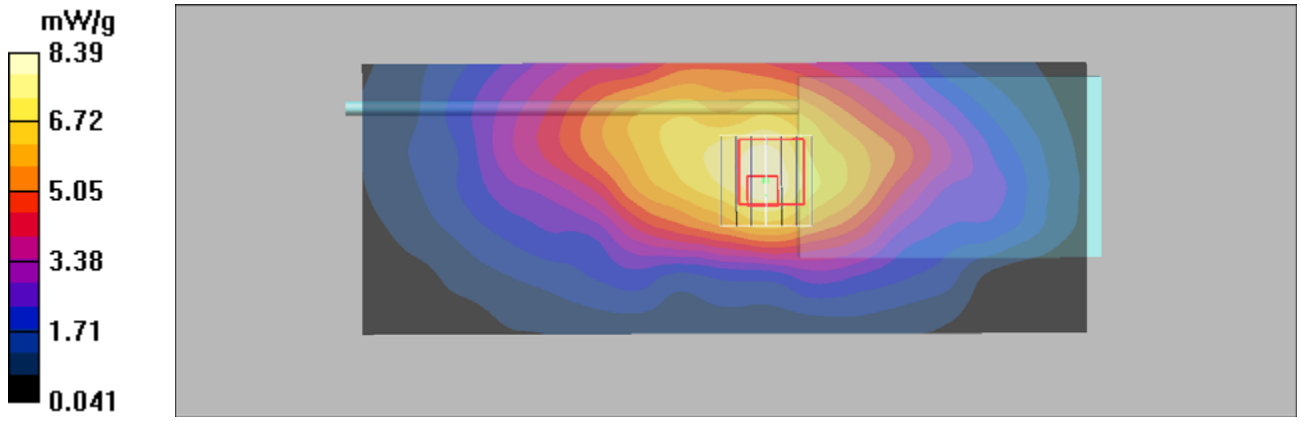
Communication System: Alinco CW; Frequency: 480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.99 mho/m; ε_r = 60.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 8.39 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.7 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 8.52 W/kg
SAR(1 g) = 5.26 mW/g; SAR(10 g) = 3.57 mW/g
Maximum value of SAR (measured) = 6.22 mW/g



Date/Time: 5/28/2015 3:12:45 PM

mid ch 480.1MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

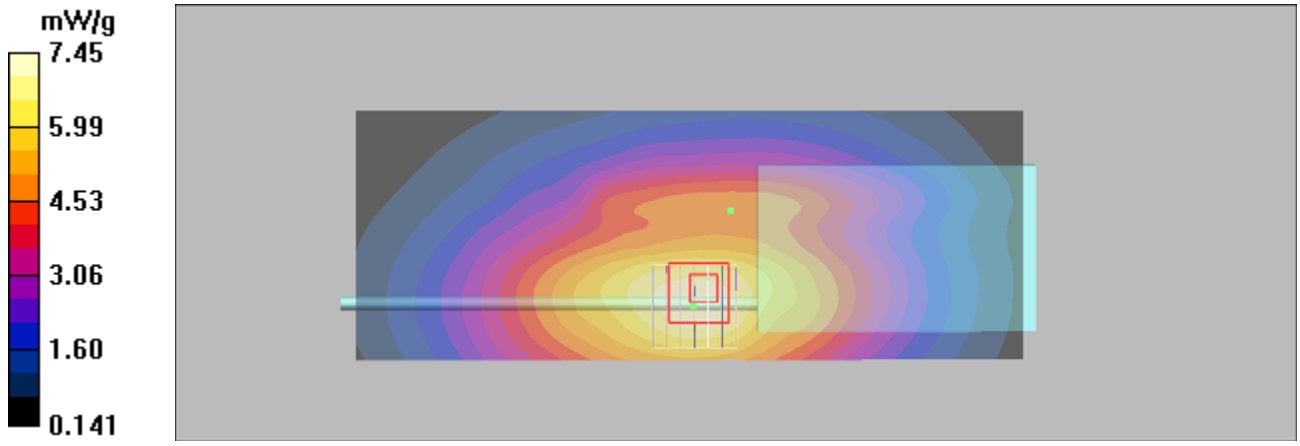
Communication System: Alinco CW; Frequency: 480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.85 mho/m; ε_r = 45.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 7.45 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.6 V/m; Power Drift = -0.67 dB
Peak SAR (extrapolated) = 9.94 W/kg
SAR(1 g) = 7.13 mW/g; SAR(10 g) = 5.26 mW/g
Maximum value of SAR (measured) = 7.71 mW/g



Date/Time: 5/28/2015 11:32:23 AM

450MHz validation 05-28-2015

DUT: Dipole 450 MHz; Type: D450V2; Serial: D450V2 - SN:1090

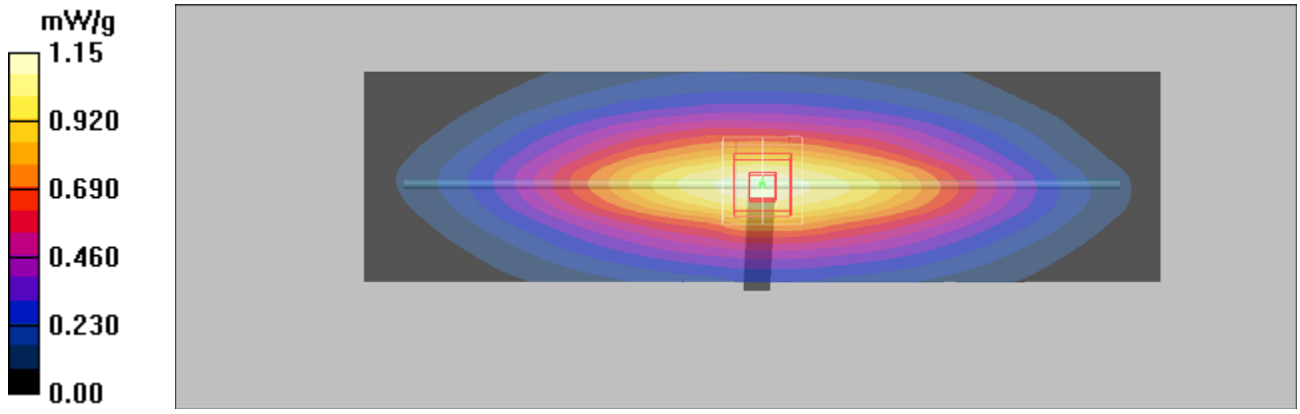
Communication System: CW; Frequency: 450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.83 mho/m; ε_r = 46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

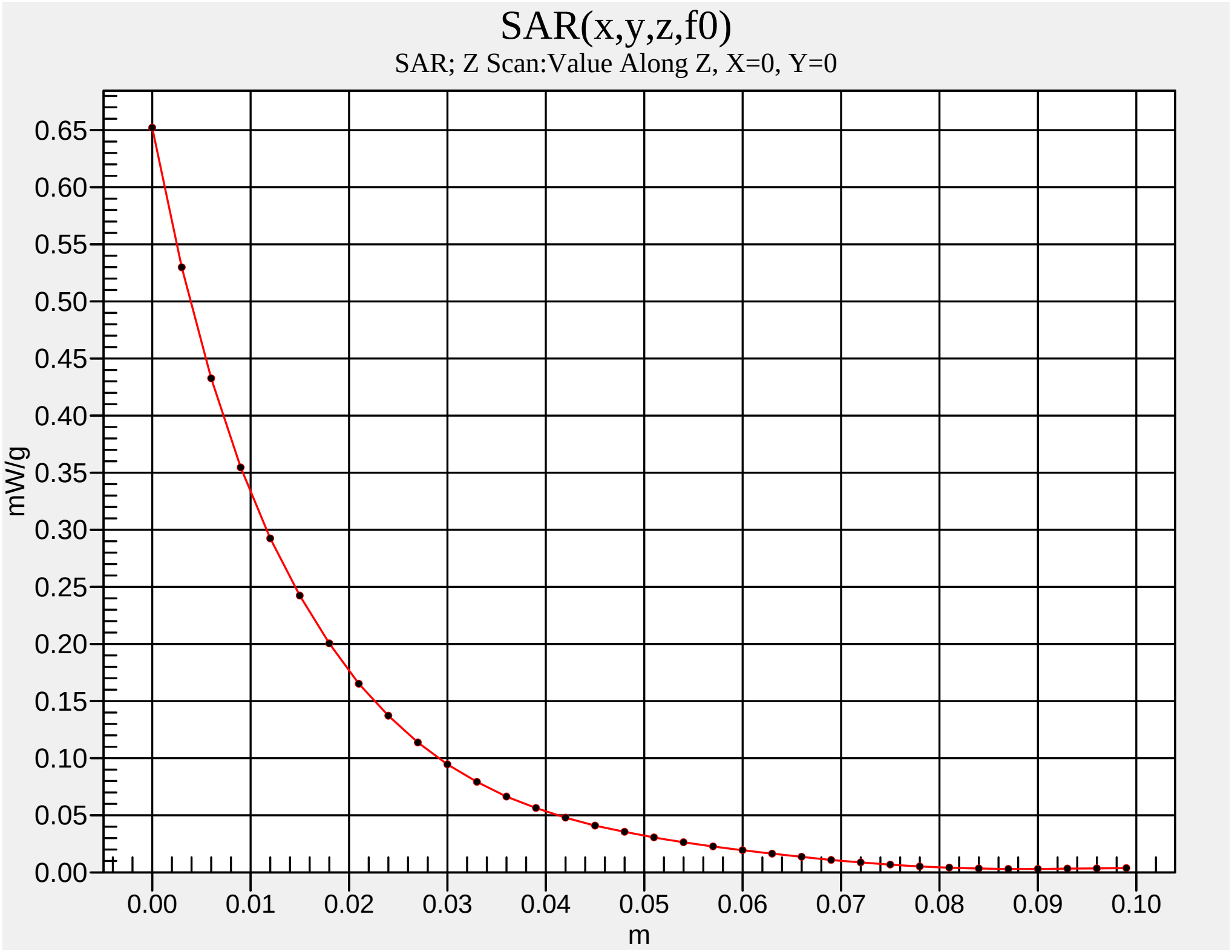
DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (81x301x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.15 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 36.9 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.720 mW/g
Maximum value of SAR (measured) = 1.15 mW/g




SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 5/28/2015 4:32:01 PM

low ch 450.1MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

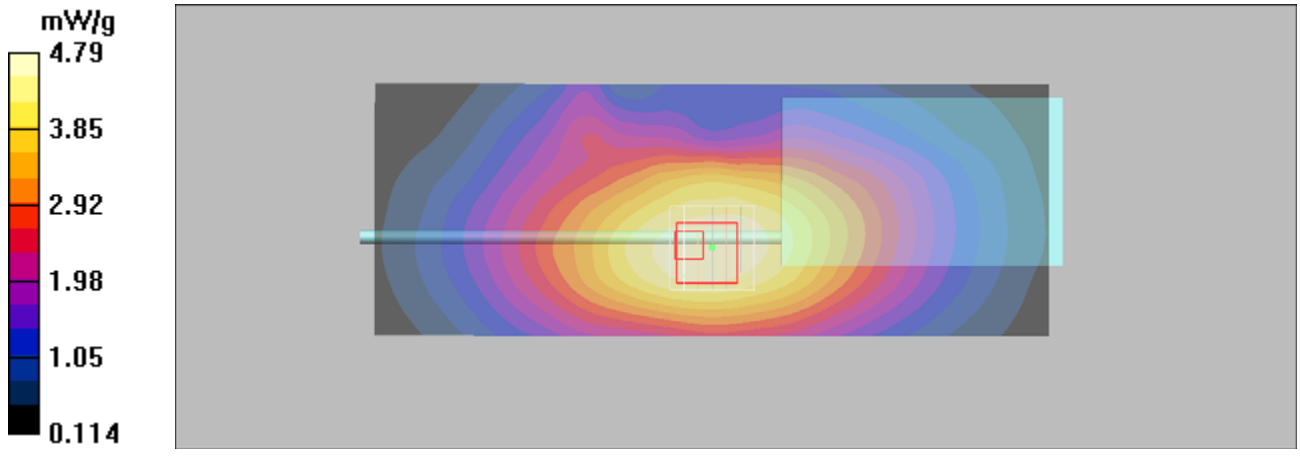
Communication System: Alinco CW; Frequency: 450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.83 mho/m; ε_r = 46; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.79 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 65.9 V/m; Power Drift = -0.658 dB
Peak SAR (extrapolated) = 5.82 W/kg
SAR(1 g) = 4.22 mW/g; SAR(10 g) = 3.12 mW/g
Maximum value of SAR (measured) = 4.51 mW/g



Date/Time: 5/30/2015 10:57:52 AM

low ch 465MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

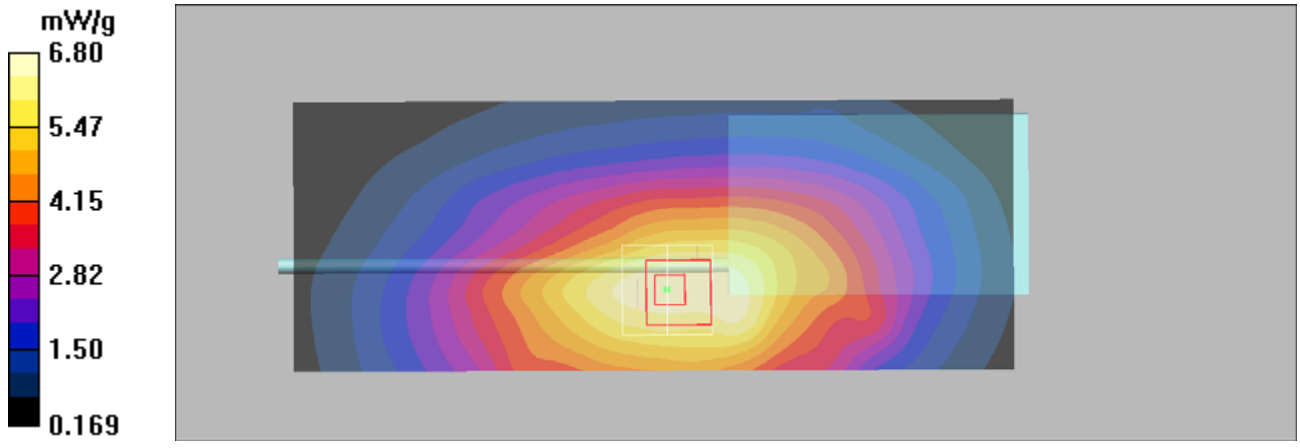
Communication System: Alinco CW; Frequency: 465 MHz;Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.84 mho/m; ε_r = 45.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 6.80 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 69.3 V/m; Power Drift = -0.362 dB
Peak SAR (extrapolated) = 9.20 W/kg
SAR(1 g) = 6.76 mW/g; SAR(10 g) = 4.95 mW/g
Maximum value of SAR (measured) = 7.32 mW/g



Date/Time: 5/28/2015 3:12:45 PM

mid ch 480.1MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

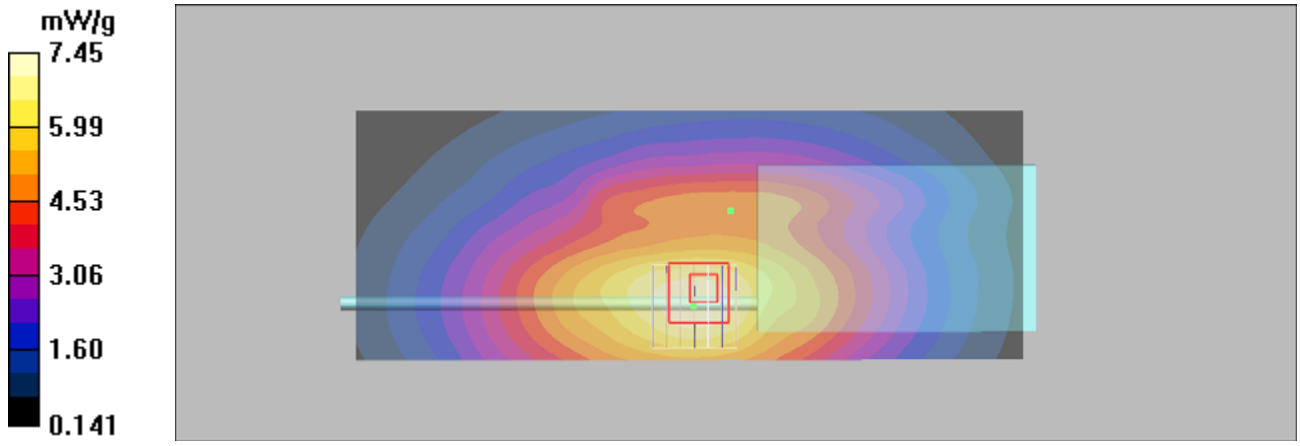
Communication System: Alinco CW; Frequency: 480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.85 mho/m; ε_r = 45.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

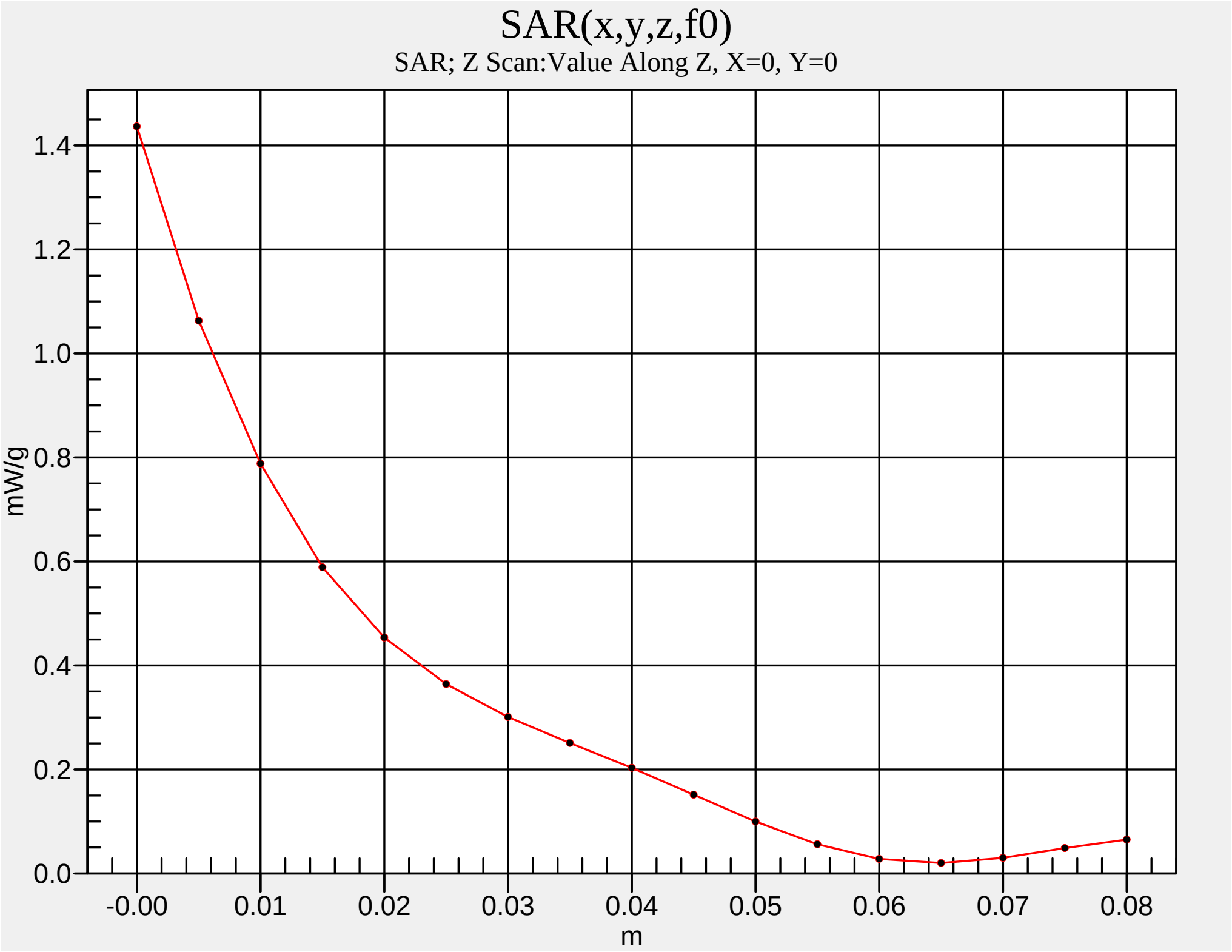
DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 7.45 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.6 V/m; Power Drift = -0.67 dB
Peak SAR (extrapolated) = 9.94 W/kg
SAR(1 g) = 7.13 mW/g; SAR(10 g) = 5.26 mW/g
Maximum value of SAR (measured) = 7.71 mW/g




SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
m

Date/Time: 5/30/2015 11:24:50 AM

high ch 496MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

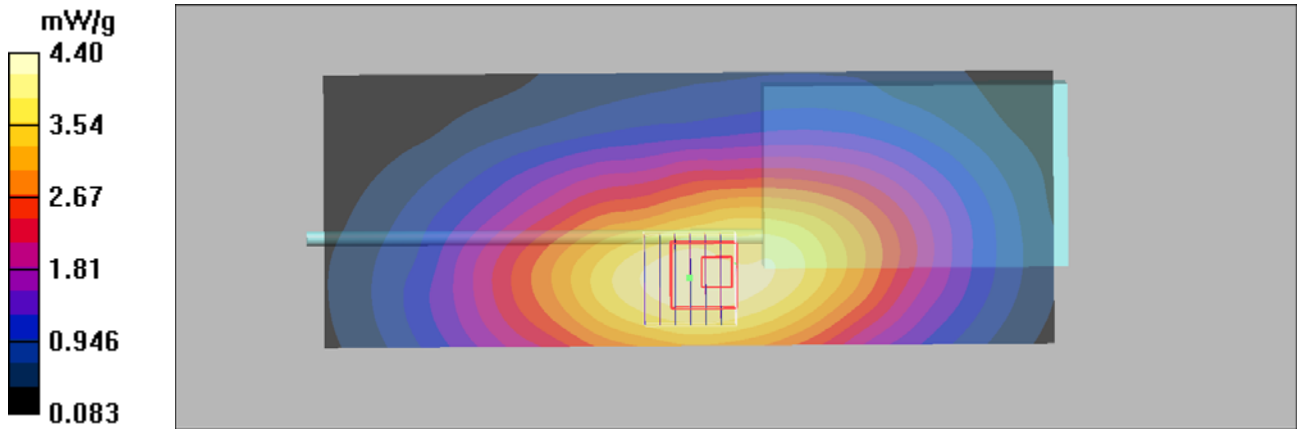
Communication System: Alinco CW; Frequency: 496 MHz;Duty Cycle: 1:1
Medium parameters used: f = 496 MHz; σ = 0.86 mho/m; ε_r = 44.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.40 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.4 V/m; Power Drift = -0.364 dB
Peak SAR (extrapolated) = 5.61 W/kg
SAR(1 g) = 4.11 mW/g; SAR(10 g) = 3.02 mW/g
Maximum value of SAR (measured) = 4.32 mW/g



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high ch 511.9MHz face held

DUT: Allinco; Type: PTT; Serial: T000403

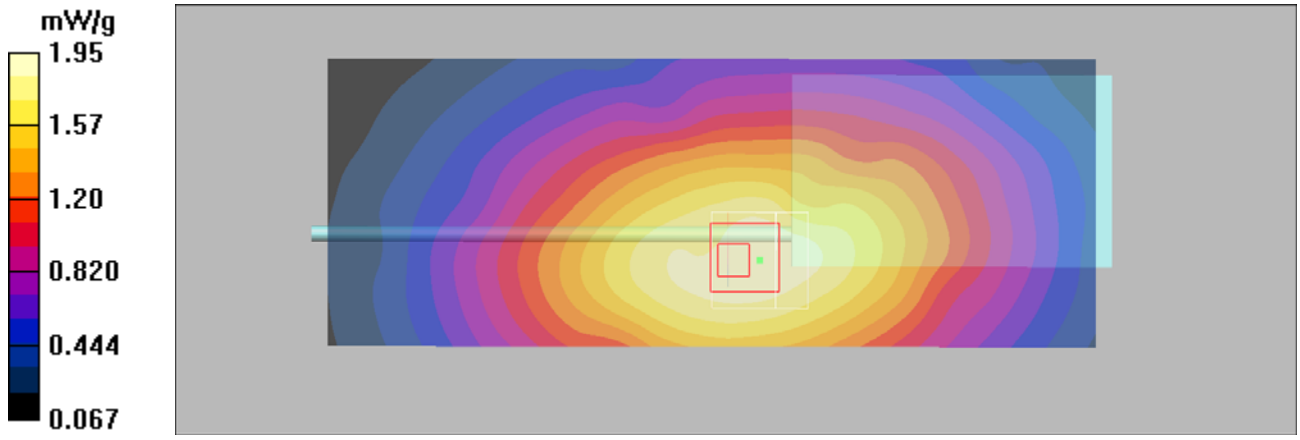
Communication System: Alinco CW; Frequency: 512 MHz;Duty Cycle: 1:1
Medium parameters used: f = 512 MHz; σ = 0.88 mho/m; ε_r = 44.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(7.18, 7.18, 7.18); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.95 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 42.2 V/m; Power Drift = -0.325 dB
Peak SAR (extrapolated) = 2.54 W/kg
SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.37 mW/g
Maximum value of SAR (measured) = 1.93 mW/g



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low ch 450.1MHz body worn

DUT: Allinco; Type: PTT; Serial: T000403

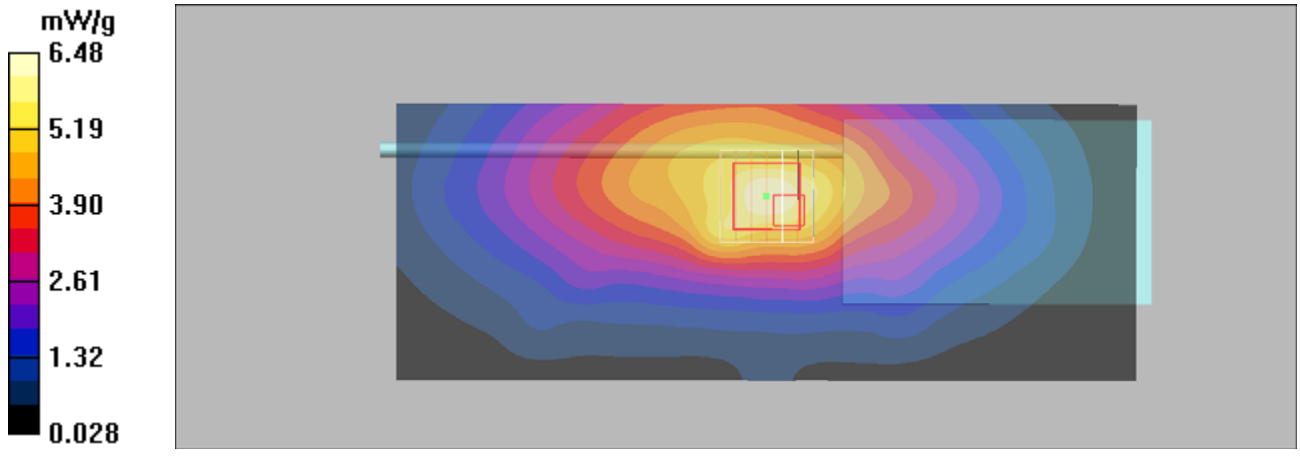
Communication System: Alinco CW; Frequency: 450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.96 mho/m; ε_r = 61.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 6.48 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 71.3 V/m; Power Drift = 0.183 dB
Peak SAR (extrapolated) = 8.34 W/kg
SAR(1 g) = 5.61 mW/g; SAR(10 g) = 3.95 mW/g
Maximum value of SAR (measured) = 6.24 mW/g



Date/Time: 5/30/2015 9:30:22 AM

mid ch 465MHz body worn

DUT: Allinco; Type: PTT; Serial: T000403

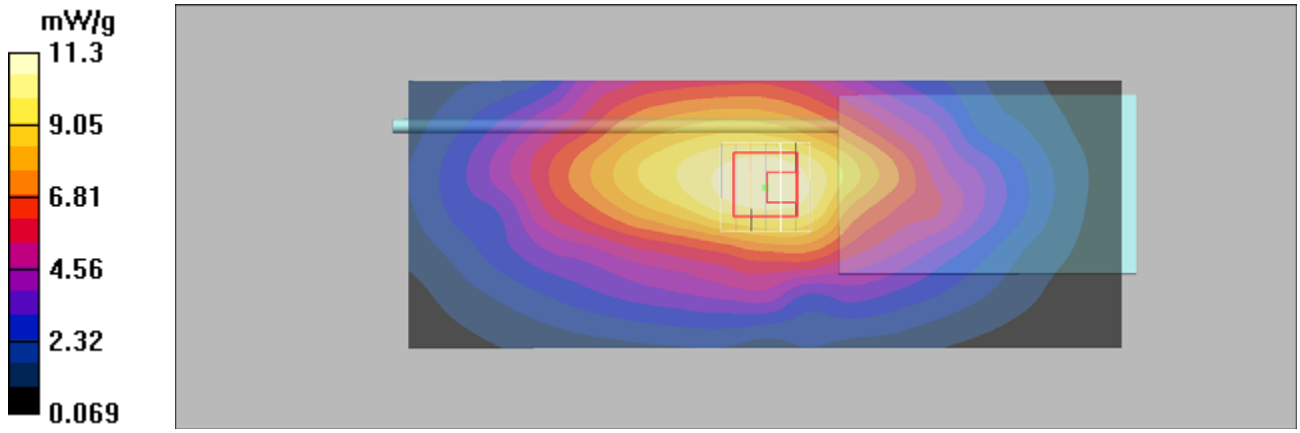
Communication System: Alinco CW; Frequency: 465 MHz;Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.98 mho/m; ε_r = 61.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

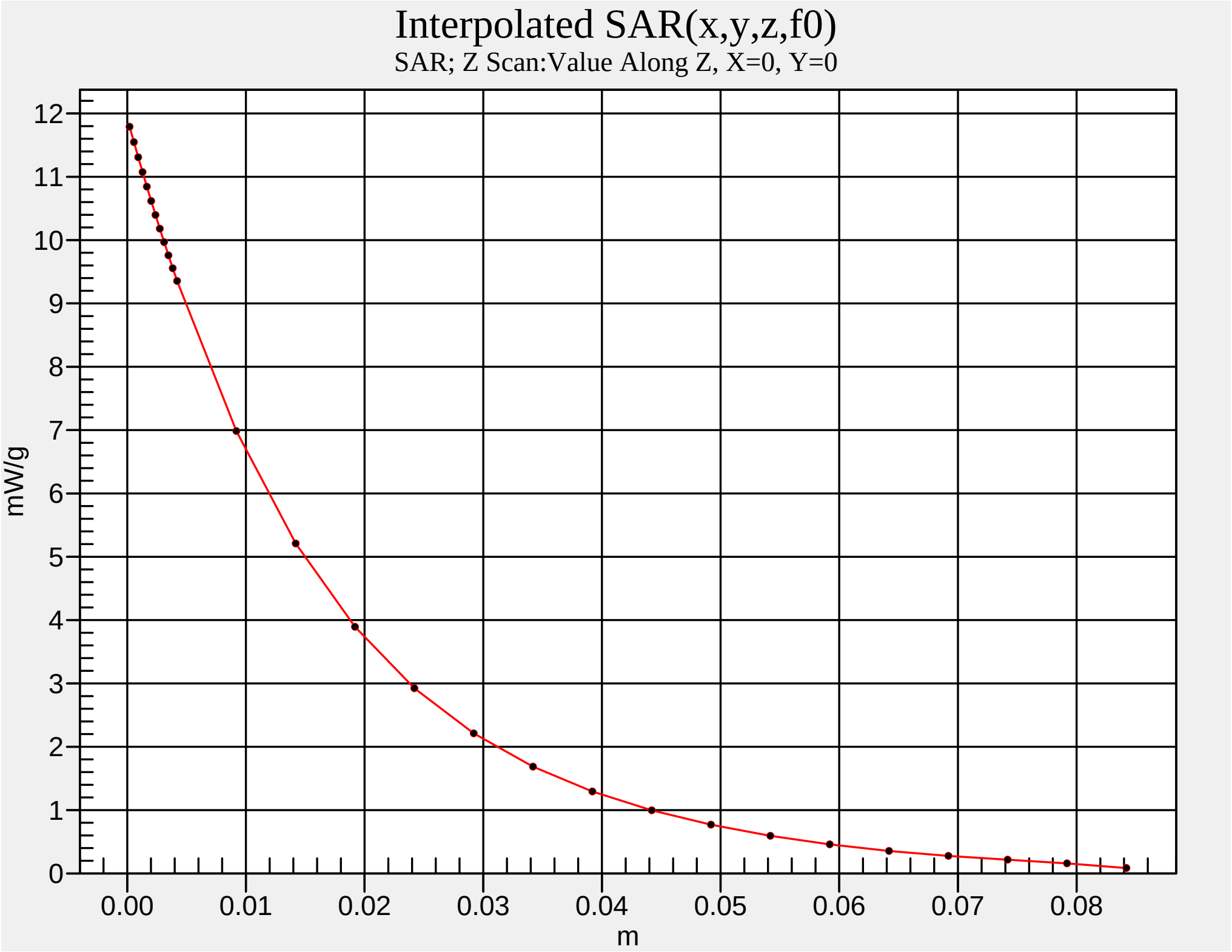
DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.3 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 106.9 V/m; Power Drift = -0.735 dB
Peak SAR (extrapolated) = 13.6 W/kg
SAR(1 g) = 9.85 mW/g; SAR(10 g) = 7.18 mW/g
Maximum value of SAR (measured) = 10.7 mW/g




Interpolated SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
12
11
10
9
8
7
6
5
4
3
2
1
0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
m

Date/Time: 5/29/2015 10:29:56 AM

mid ch 480.1MHzbody worn

DUT: Allinco; Type: PTT; Serial: T000403

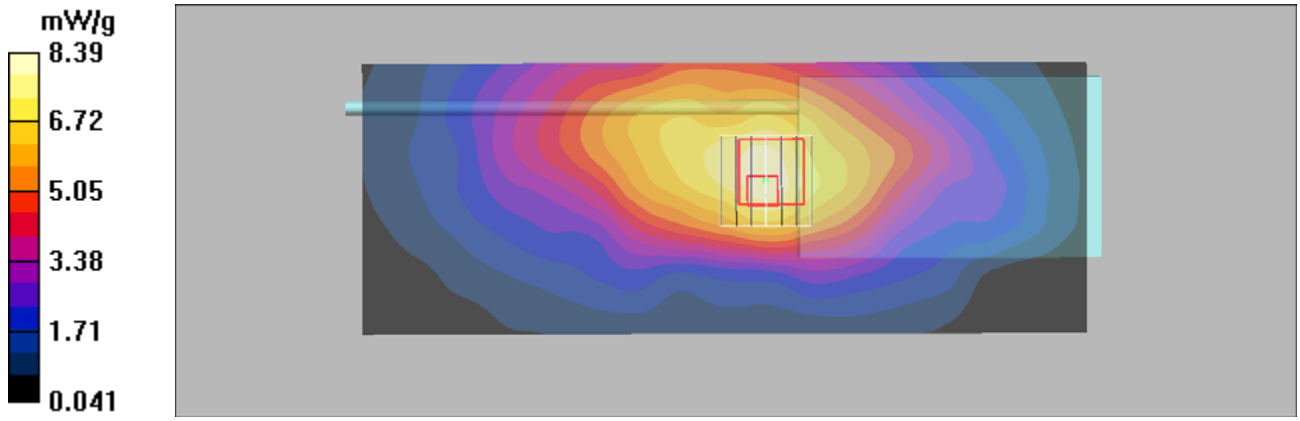
Communication System: Alinco CW; Frequency: 480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.99 mho/m; ε_r = 60.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 8.39 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.7 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 8.52 W/kg
SAR(1 g) = 5.26 mW/g; SAR(10 g) = 3.57 mW/g
Maximum value of SAR (measured) = 6.22 mW/g



Date/Time: 5/30/2015 9:57:18 AM

mid ch 496MHz body worn

DUT: Allinco; Type: PTT; Serial: T000403

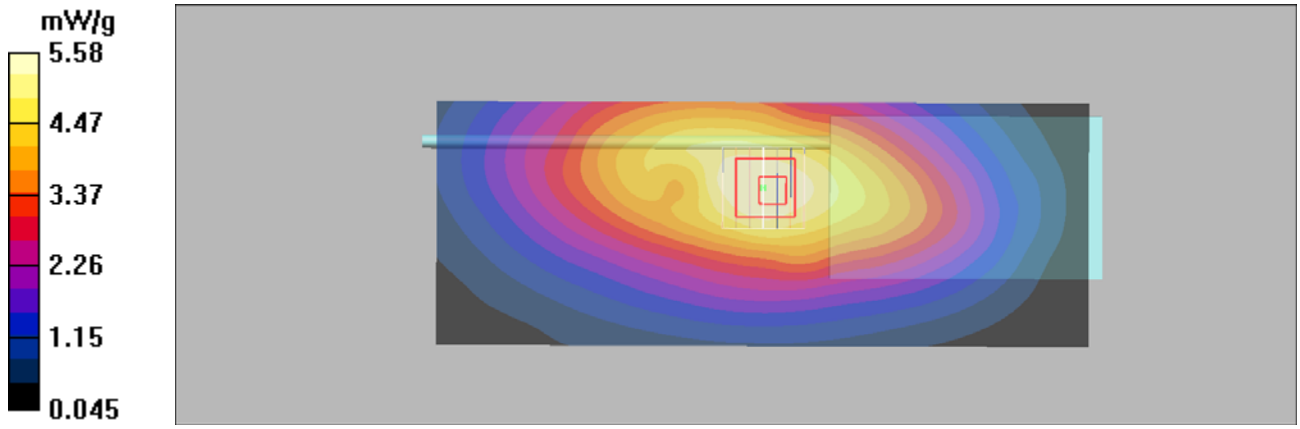
Communication System: Alinco CW; Frequency: 496 MHz;Duty Cycle: 1:1
Medium parameters used: f = 496 MHz; σ = 1 mho/m; ε_r = 60.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 5.58 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 75.6 V/m; Power Drift = -0.401 dB
Peak SAR (extrapolated) = 7.50 W/kg
SAR(1 g) = 5.4 mW/g; SAR(10 g) = 3.91 mW/g
Maximum value of SAR (measured) = 5.70 mW/g



Date/Time: 5/29/2015 9:53:27 AM

high ch 511.9MHzbody worn

DUT: Allinco; Type: PTT; Serial: T000403

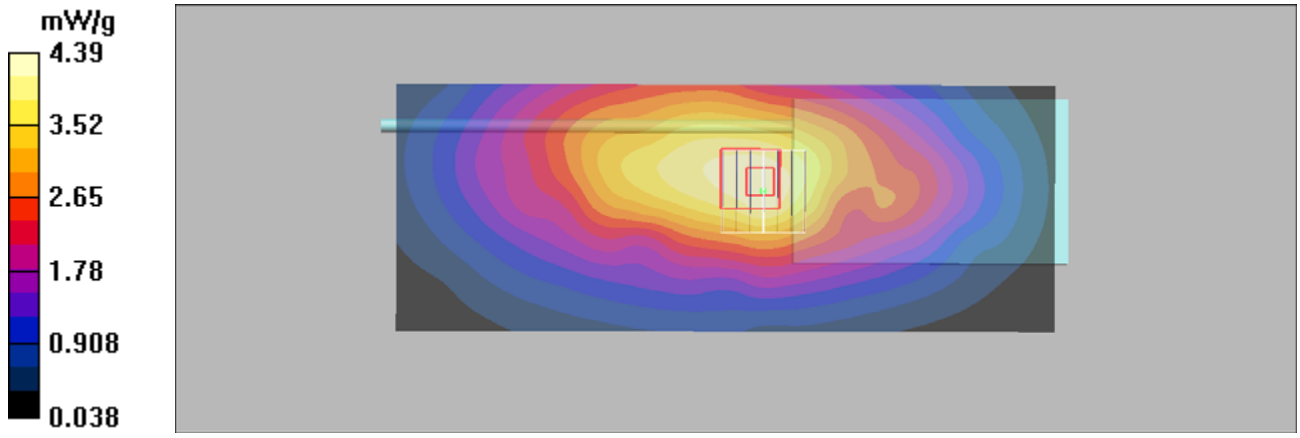
Communication System: Alinco CW; Frequency: 512 MHz;Duty Cycle: 1:1
Medium parameters used: f = 512 MHz; σ = 1.01 mho/m; ε_r = 60.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

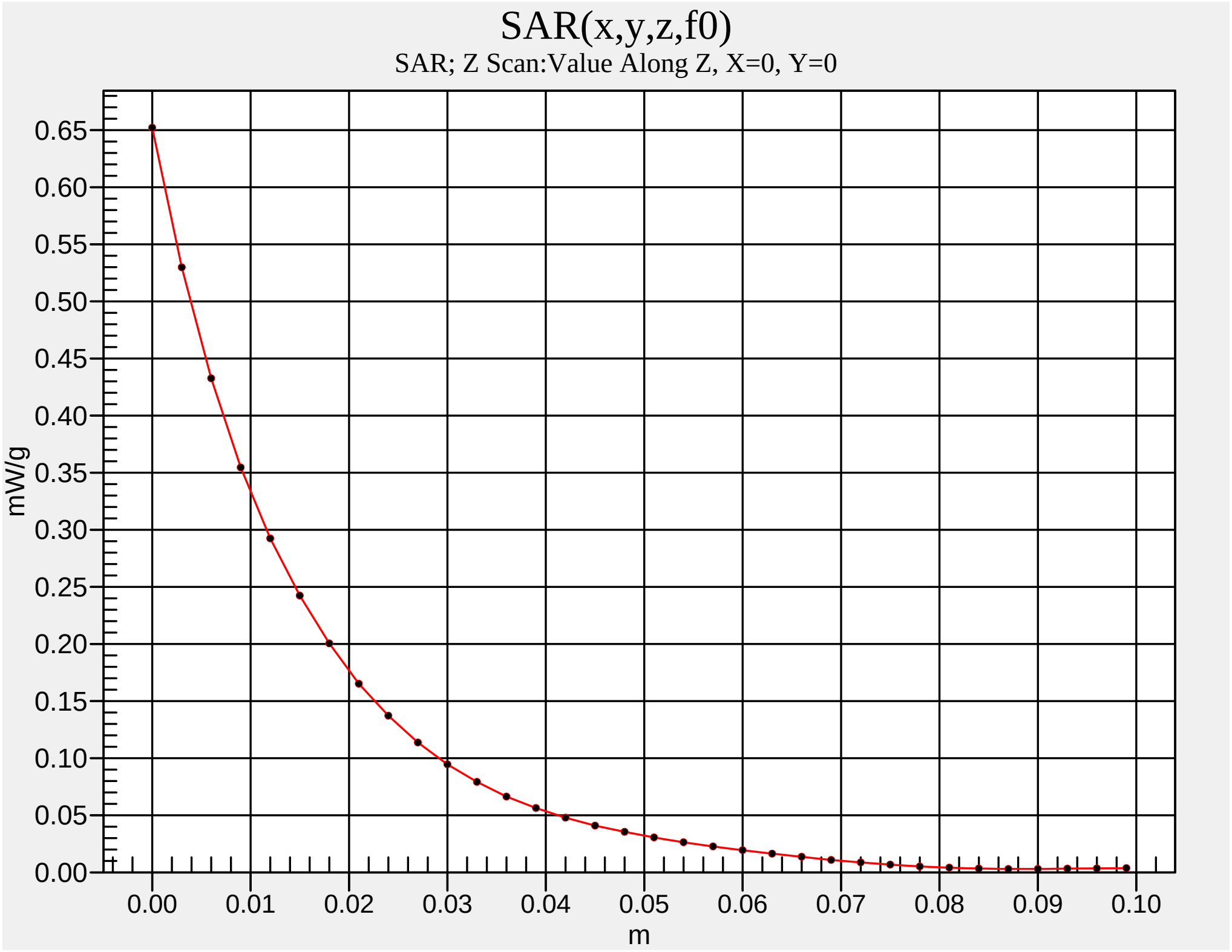
DASY4 Configuration:

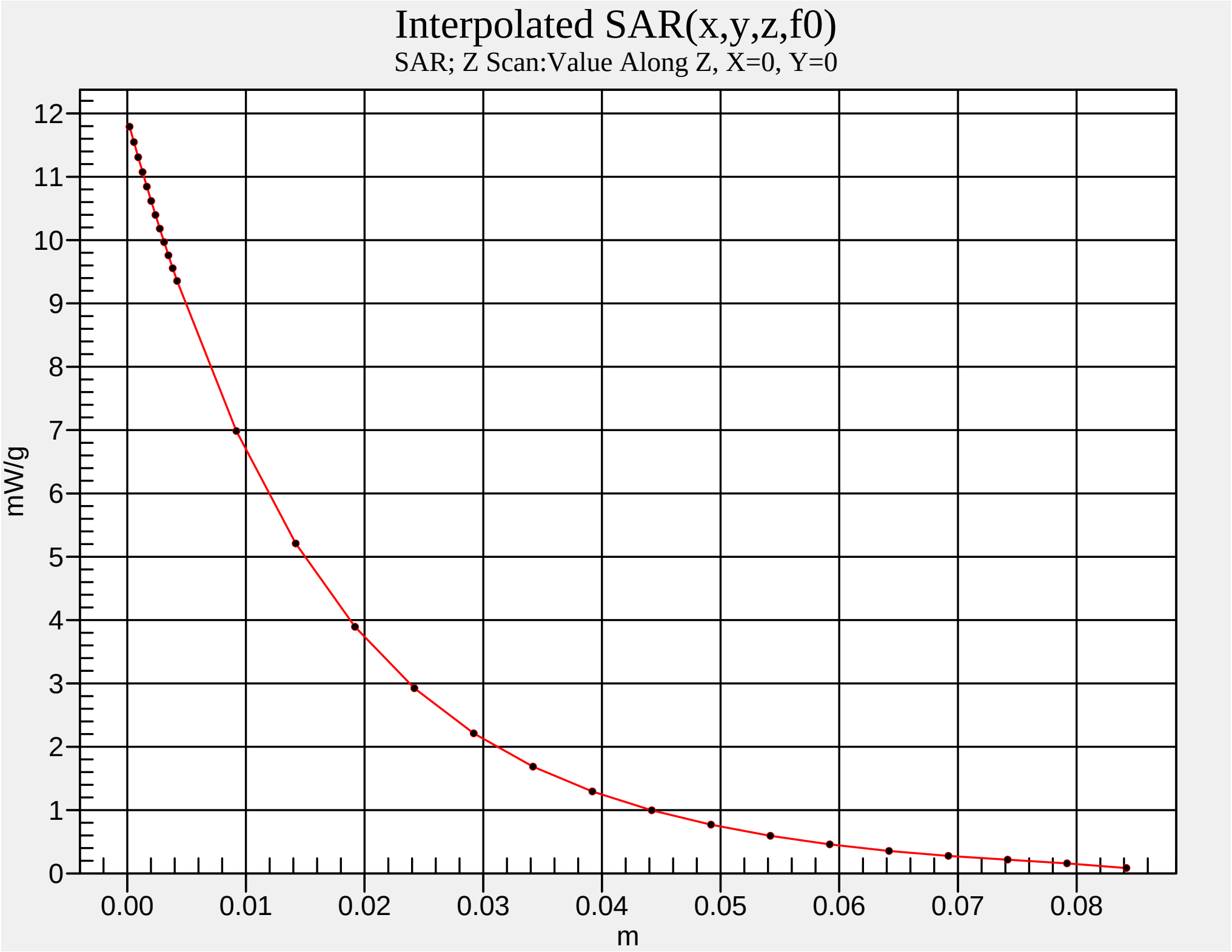
- Probe: ES3DV3 - SN3035; ConvF(6.76, 6.76, 6.76); Calibrated: 5/18/2015
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn602; Calibrated: 5/22/2015
- Phantom: ELI v6.0; Type: QDOVA003AA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

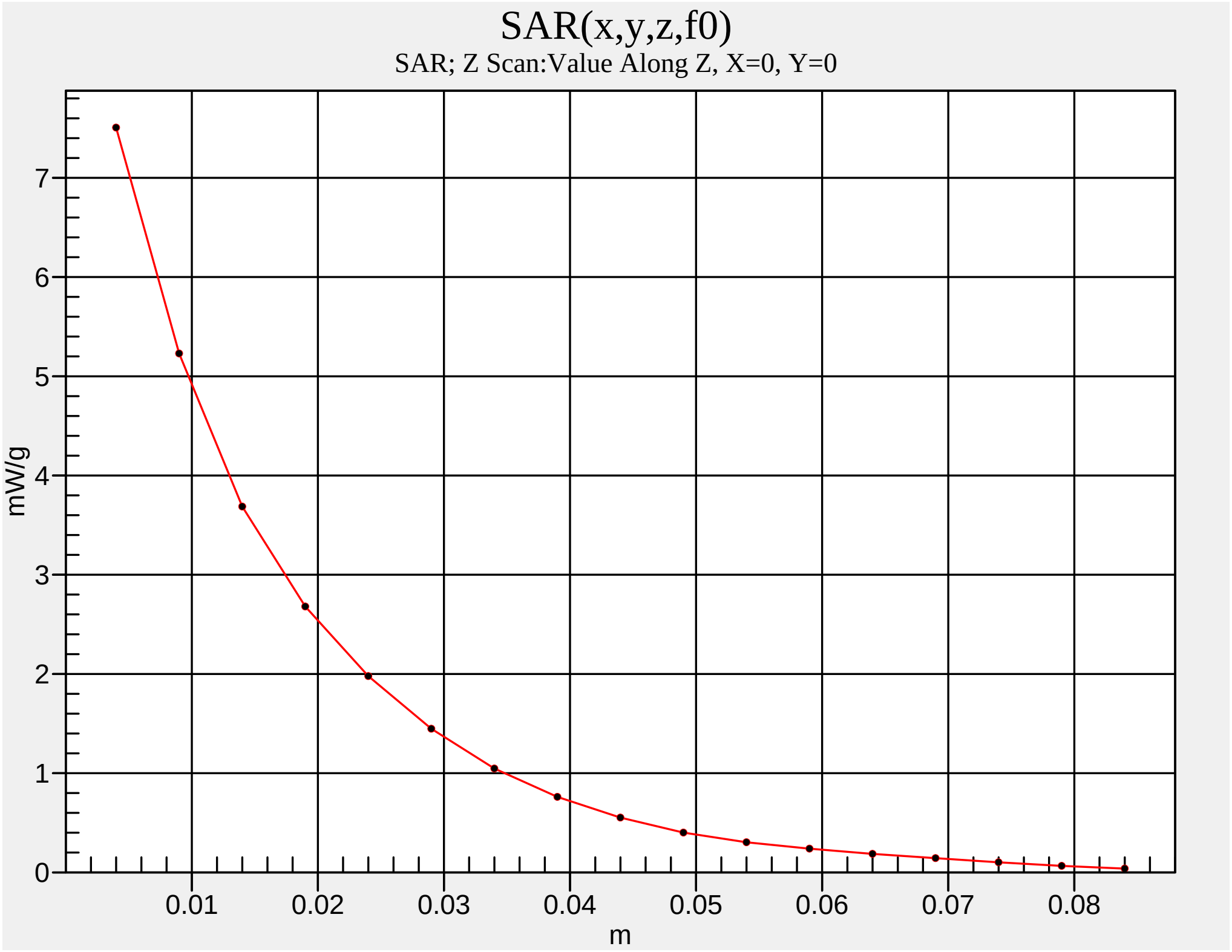
Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.39 mW/g

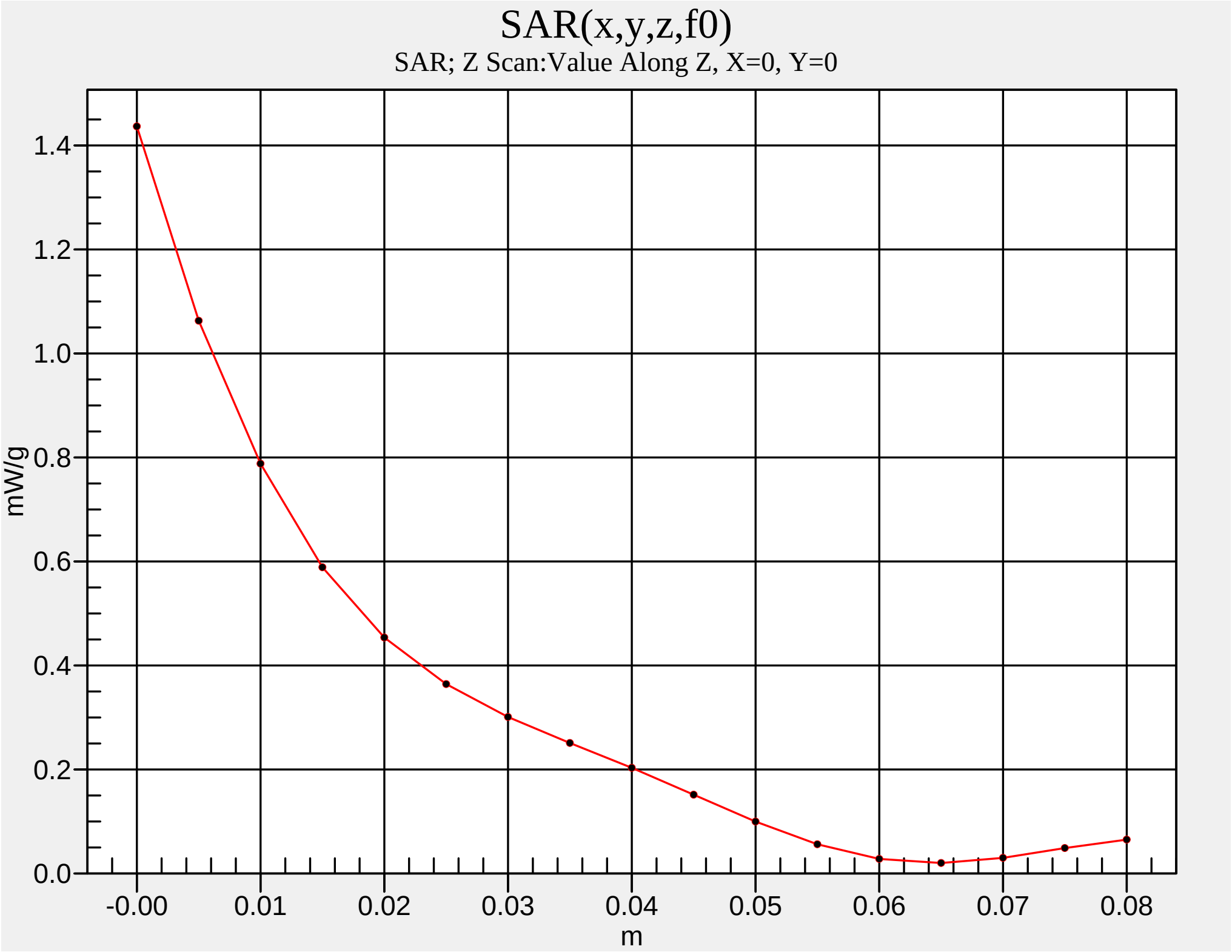
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 65.1 V/m; Power Drift = -0.330 dB
Peak SAR (extrapolated) = 6.01 W/kg
SAR(1 g) = 4.17 mW/g; SAR(10 g) = 2.9 mW/g
Maximum value of SAR (measured) = 4.42 mW/g




SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m


Interpolated SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
12
11
10
9
8
7
6
5
4
3
2
1
0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
m


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0
1
2
3
4
5
6
7
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
m


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
m