

APPENDIX A – SYSTEM VERIFICATION PLOTS

Date/Time: 07/09/2017 2:50:10 PM

Test Laboratory: Celltech Labs

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d075; Calibrated: 04/23/2015
Program Name: SPC 835B

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 52.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

Body d=15mm Pin=250mW. TS=[2.178][2.42][2.662]W/kg/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.77 mW/g

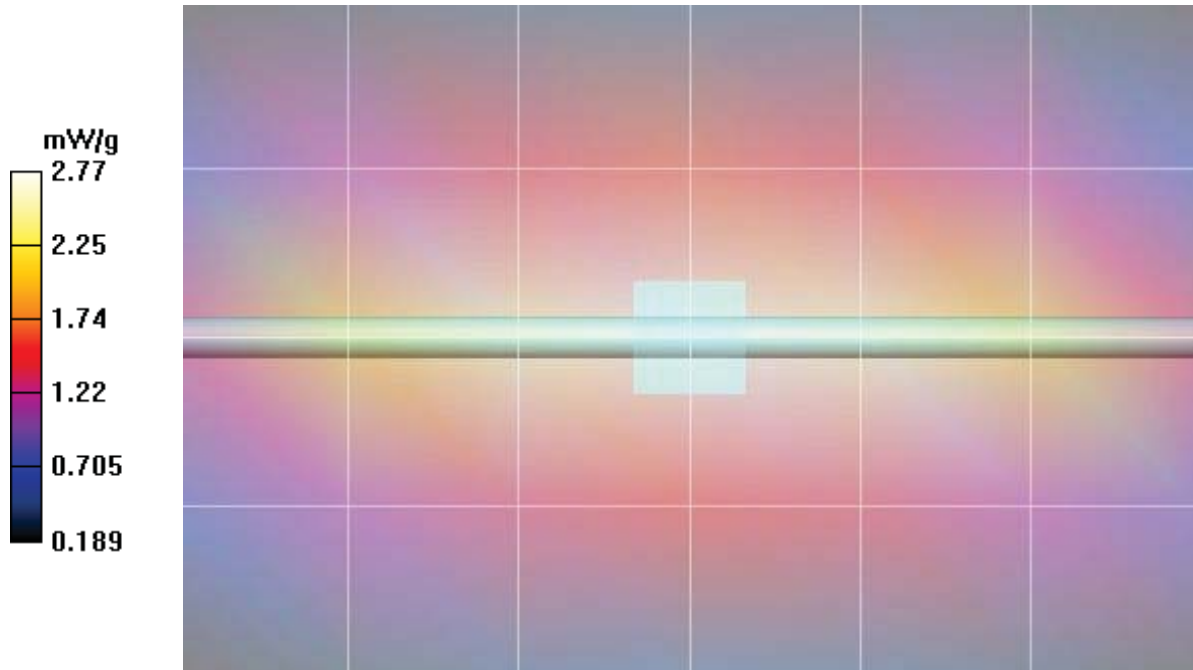
Body d=15mm Pin=250mW. TS=[2.178][2.42][2.662]W/kg/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

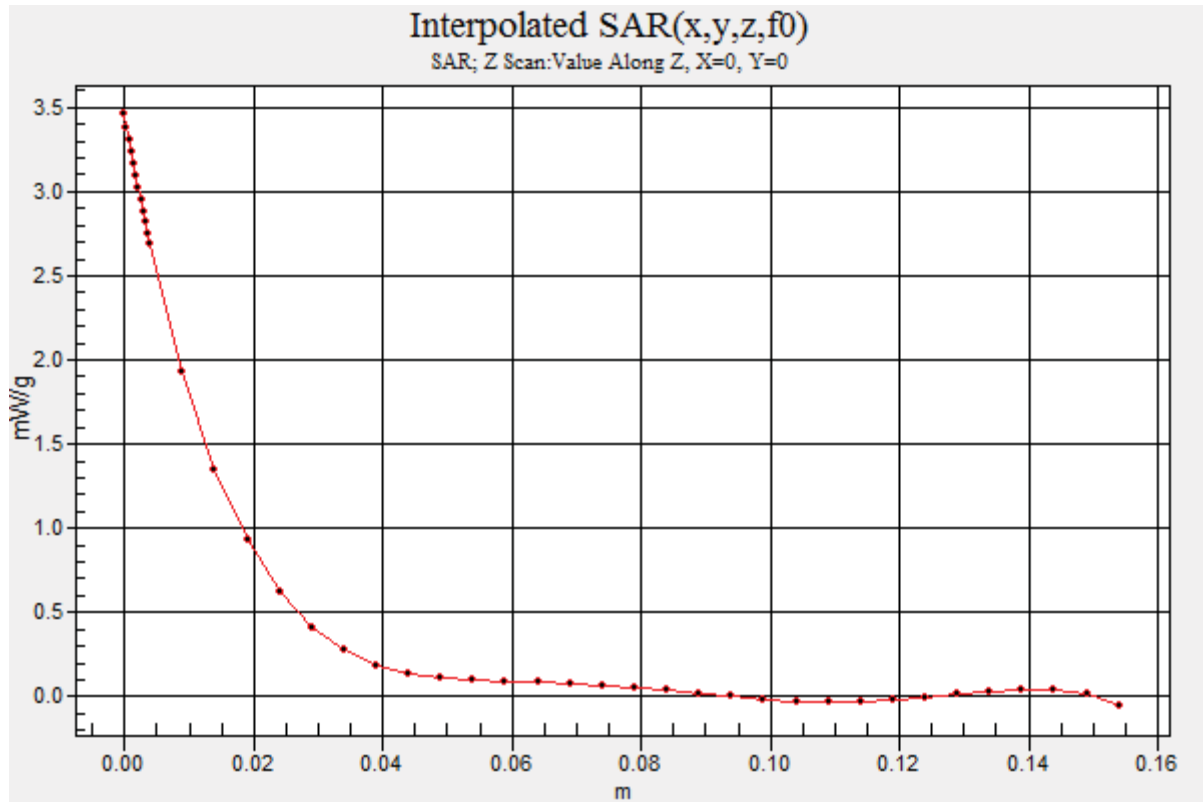
Reference Value = 53.9 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 3.89 W/kg

SAR(1 g) = 2.56 mW/g; SAR(10 g) = 1.66 mW/g

Maximum value of SAR (measured) = 2.76 mW/g





Date/Time: 08/09/2017 2:14:22 PM

Test Laboratory: Celltech Labs

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d075; Calibrated: 04/23/2015
Program Name: SPC 835H

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.39, 8.39, 8.39); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

Head d=15mm Pin=250mW. TS=[2.169][2.41][2.651]W/kg/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.44 mW/g

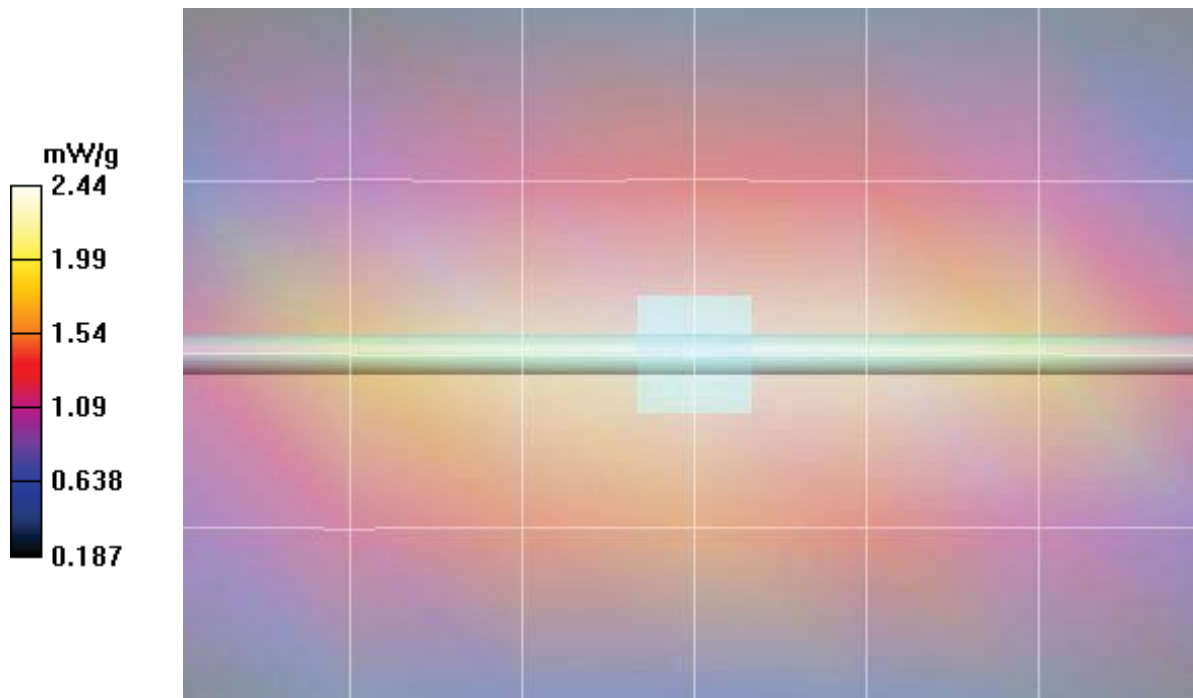
Head d=15mm Pin=250mW. TS=[2.169][2.41][2.651]W/kg/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

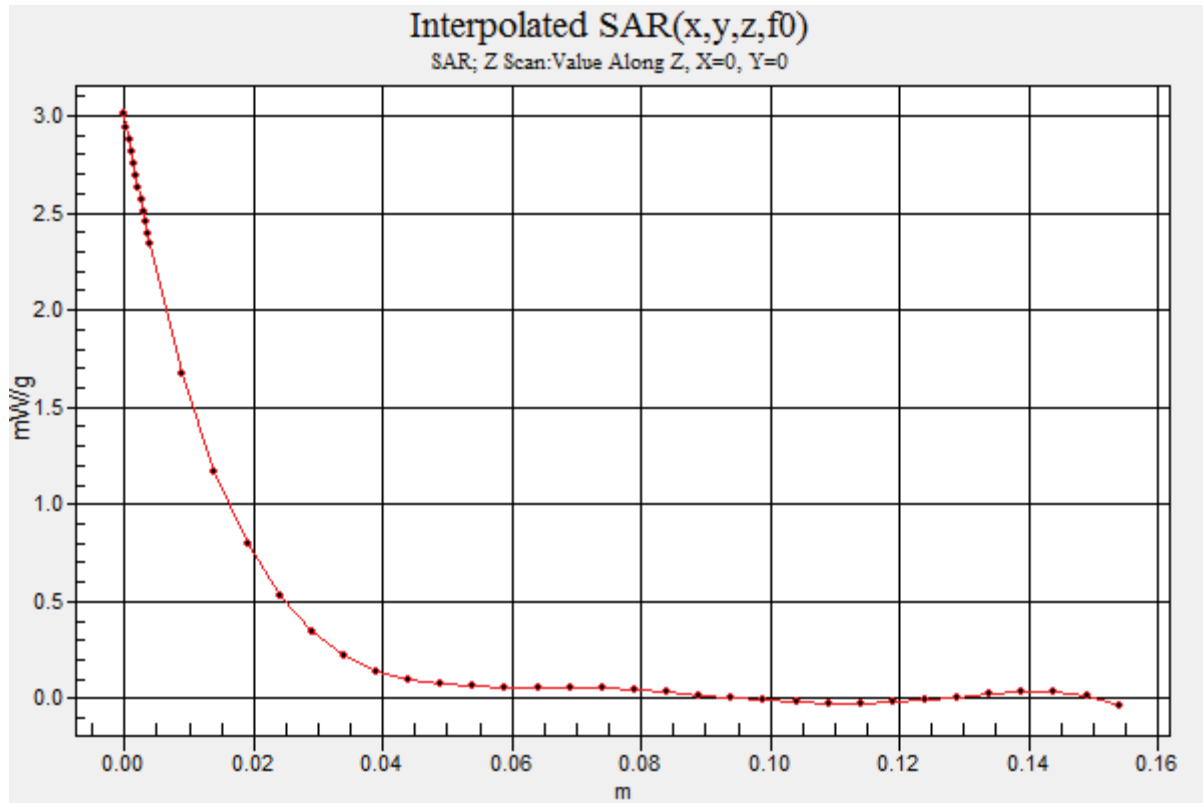
Reference Value = 52.2 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 3.50 W/kg

SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (measured) = 2.46 mW/g





Date/Time: 12/09/2017 12:20:30 PM

Test Laboratory: Celltech Labs

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 825; Calibrated: 22/04/2015
Program Name: 2450MHz Body SPC

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 49.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(6.56, 6.56, 6.56); Calibrated: 27/04/2017
- Sensor-Surface: 5mm (Mechanical Surface Detection) Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

2450MHz Body Dipole d=10mm P=250mW TS=[11.7][13.0][14.3]/Area Scan (5x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 11.9 mW/g

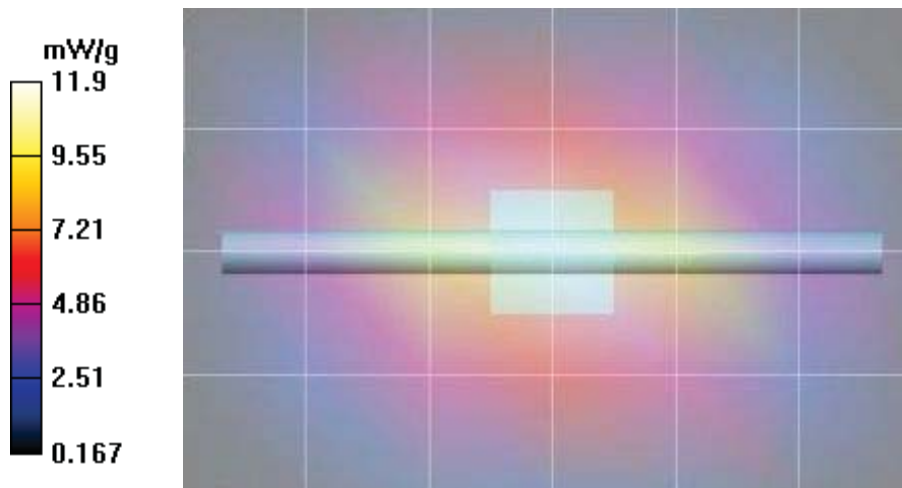
2450MHz Body Dipole d=10mm P=250mW TS=[11.7][13.0][14.3]/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

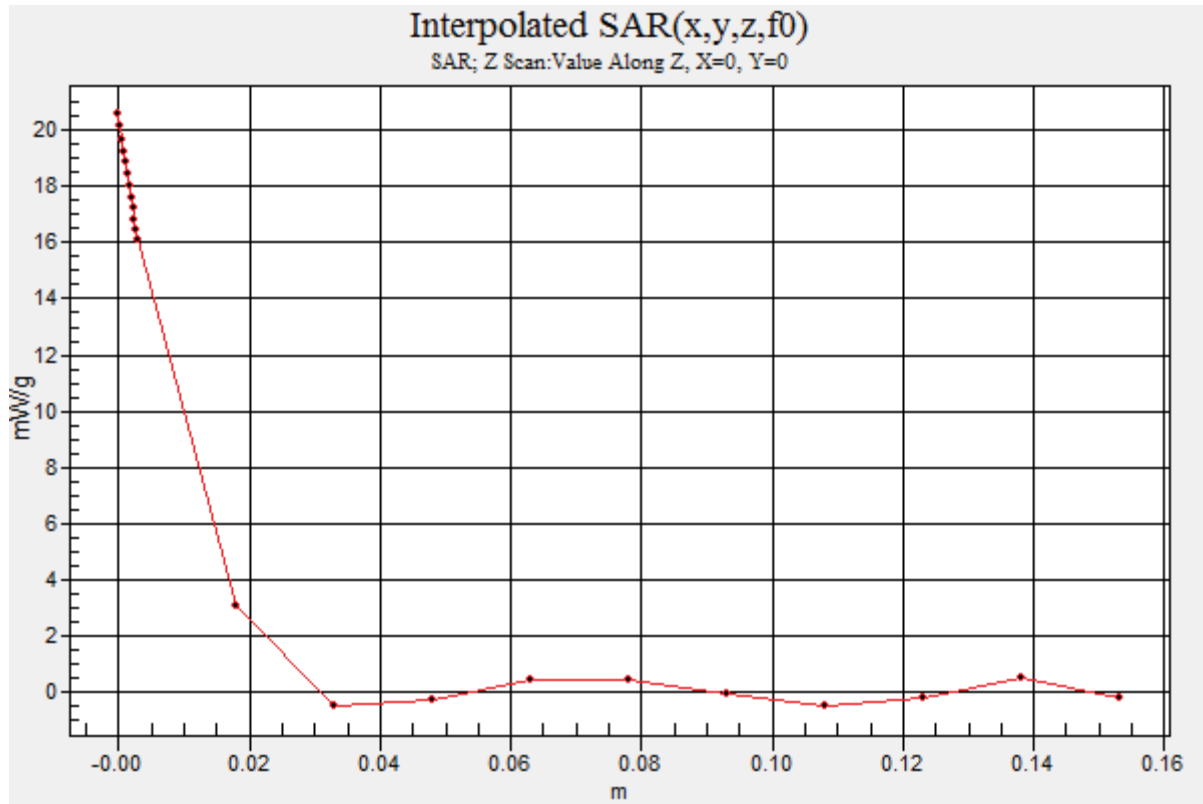
Reference Value = 90.9 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 26.8 W/kg

SAR(1 g) = 12.4 mW/g; SAR(10 g) = 5.64 mW/g

Maximum value of SAR (measured) = 16.2 mW/g





Test Laboratory: Celltech Labs

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: 1031; Calibrated: 04/15/2015
Program Name: 5250 MHz SPC

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5250$ MHz; $\sigma = 5.73$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

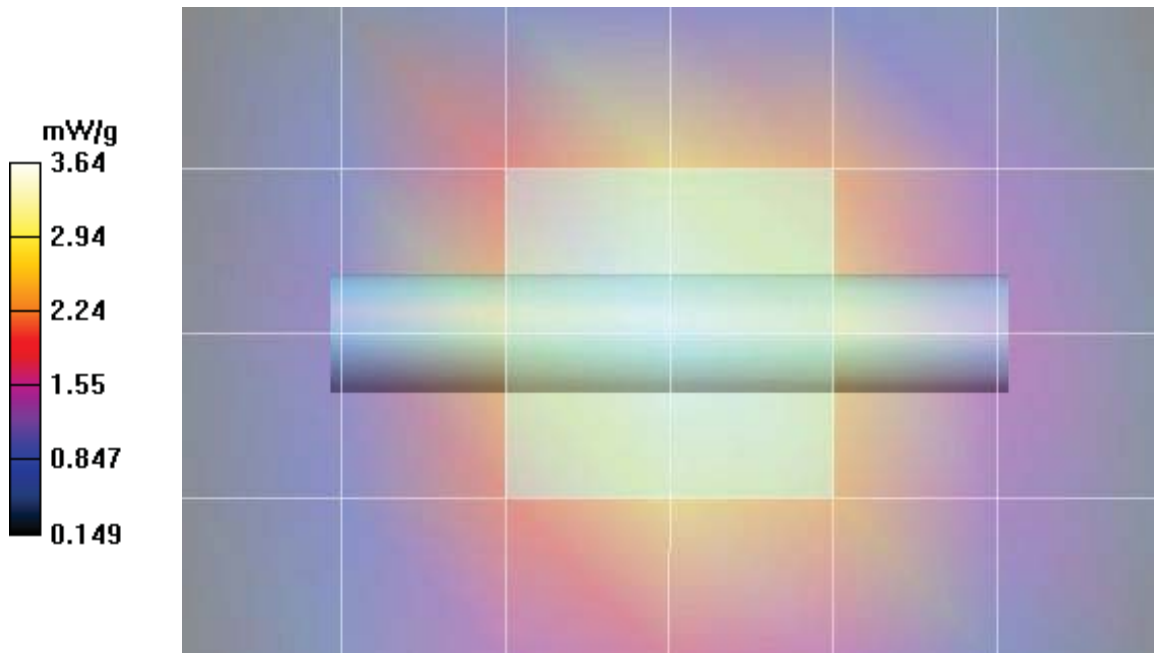
DASY Configuration:

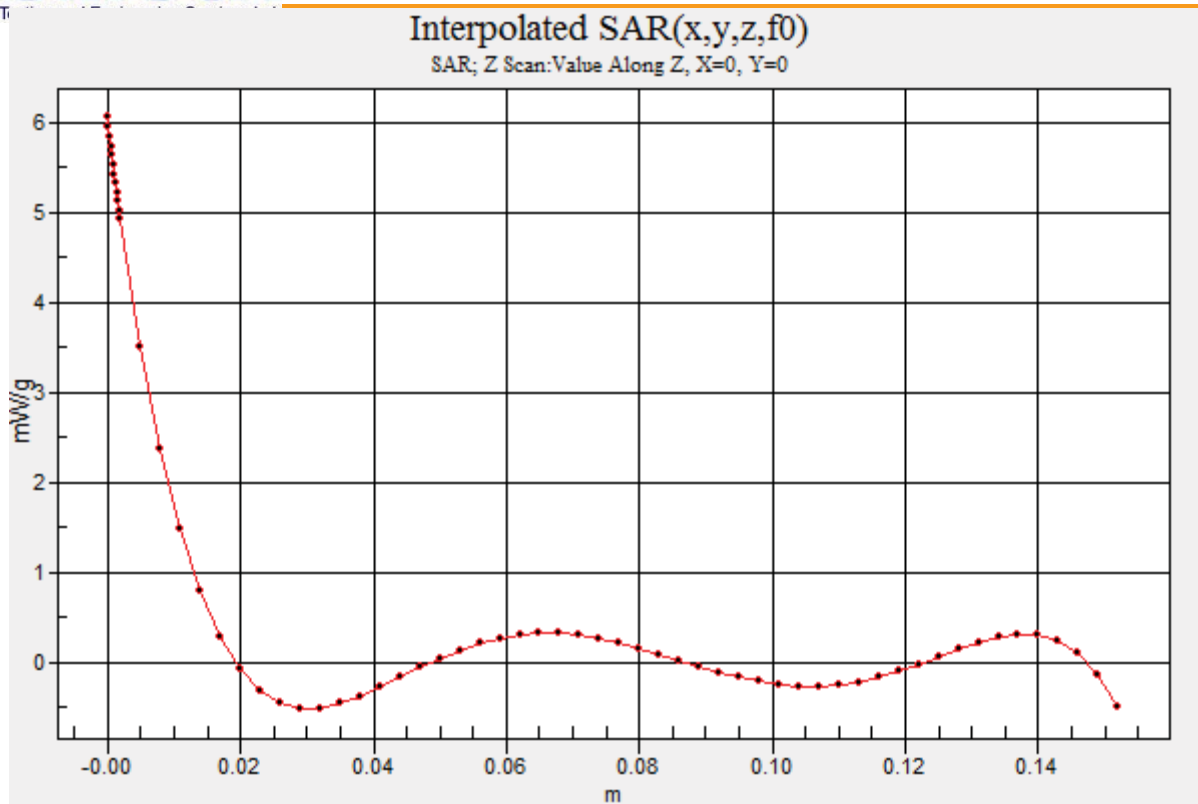
- Probe: EX3DV4 - SN3600; ConvF(4.18, 4.18, 4.18); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

5200-5800 MHz Dipole d=10mm P=47mW, TS=3.42/Area Scan (5x7x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of SAR (measured) = 3.64 mW/g

5200-5800 MHz Dipole d=10mm P=47mW, TS=3.42/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 37.6 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 14.7 W/kg
SAR(1 g) = 3.35 mW/g; SAR(10 g) = 0.925 mW/g

Maximum value of SAR (measured) = 7.05 mW/g





APPENDIX B – MEASUREMENT PLOTS OF MAXIMUM MEASURED SAR

Plot B1

Date/Time: 07/09/2017 4:51:40 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835B

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.932 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B1 Body, 0146-E SYS_NRB Eclipse XL-200P, 7/800 Extended, 806MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Area Scan (8x26x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (measured) = 8.72 mW/g

B1 Body, 0146-E SYS_NRB Eclipse XL-200P, 7/800 Extended, 806MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

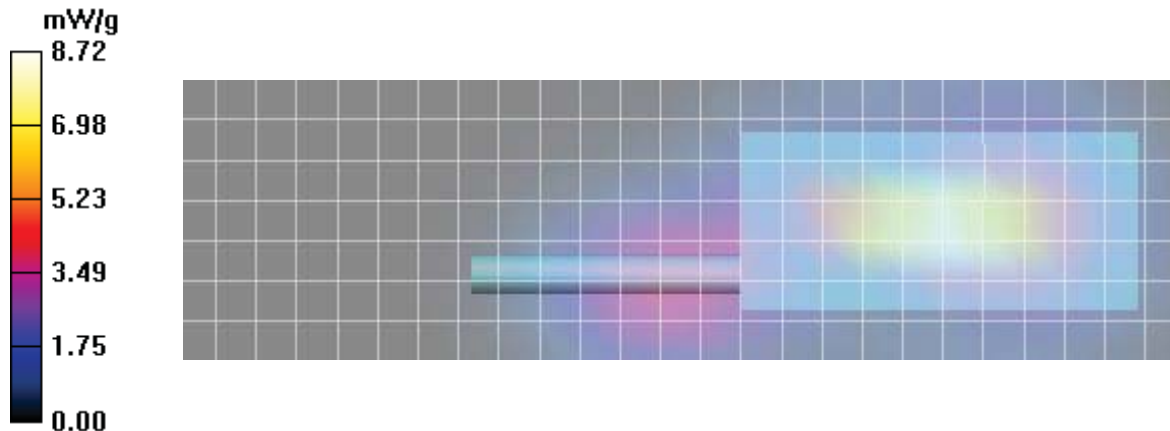
Reference Value = 52.2 V/m; Power Drift = -0.209 dB

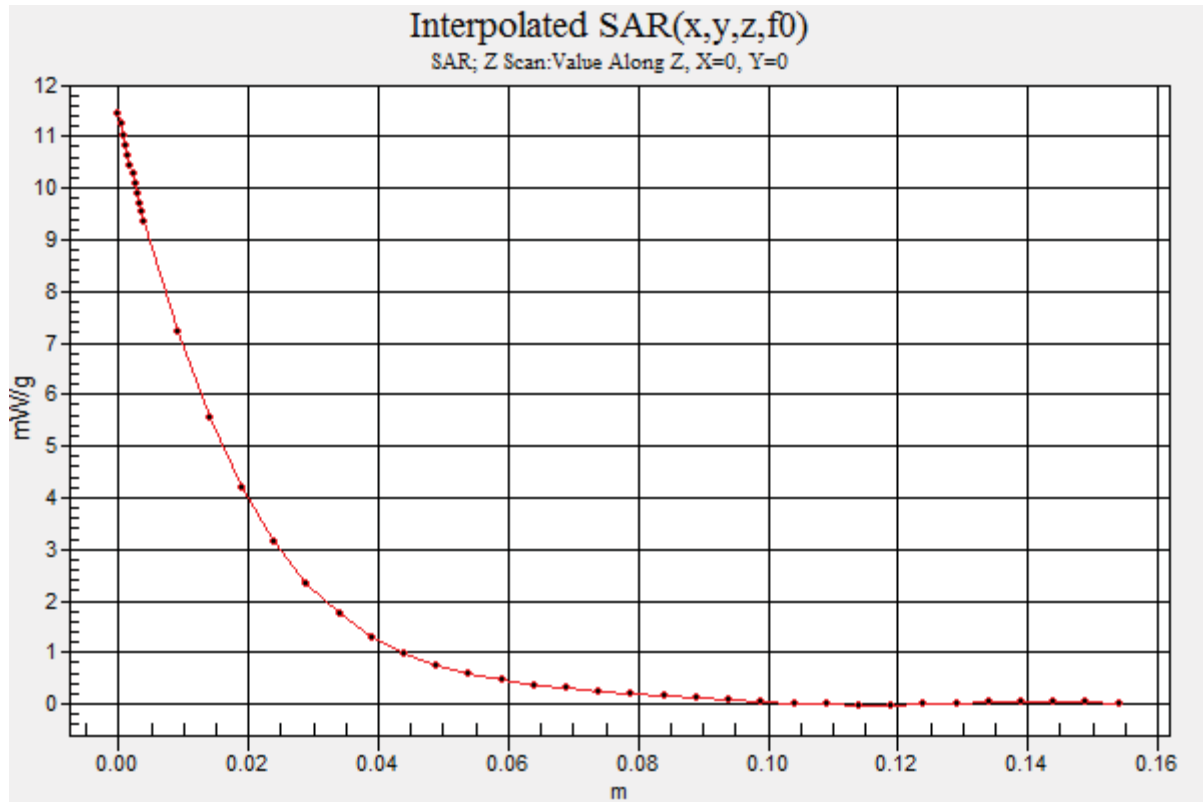
Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 9.12 mW/g; SAR(10 g) = 6.19 mW/g

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

Maximum value of SAR (measured) = 9.62 mW/g





Plot B2

Date/Time: 07/09/2017 5:12:01 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835B

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.932 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B2 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, bc, spk-mic, ant 4000-01, bat 4045-01/Area Scan (8x26x1):
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (measured) = 6.11 mW/g

B2 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, bc, spk-mic, ant 4000-01, bat 4045-01/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

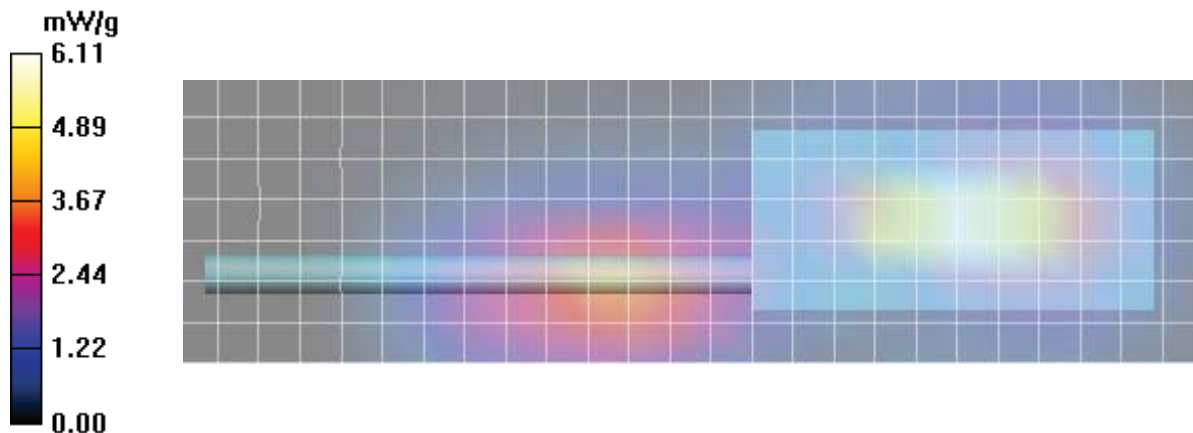
Reference Value = 39.9 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 9.18 W/kg

SAR(1 g) = 6.68 mW/g; SAR(10 g) = 4.56 mW/g

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

Maximum value of SAR (measured) = 7.05 mW/g



Plot B3

Date/Time: 07/09/2017 5:28:56 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835B

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.932 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B3 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, bc, spk-mic, ant 4420-01, bat 4045-01/Area Scan (8x26x1):
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

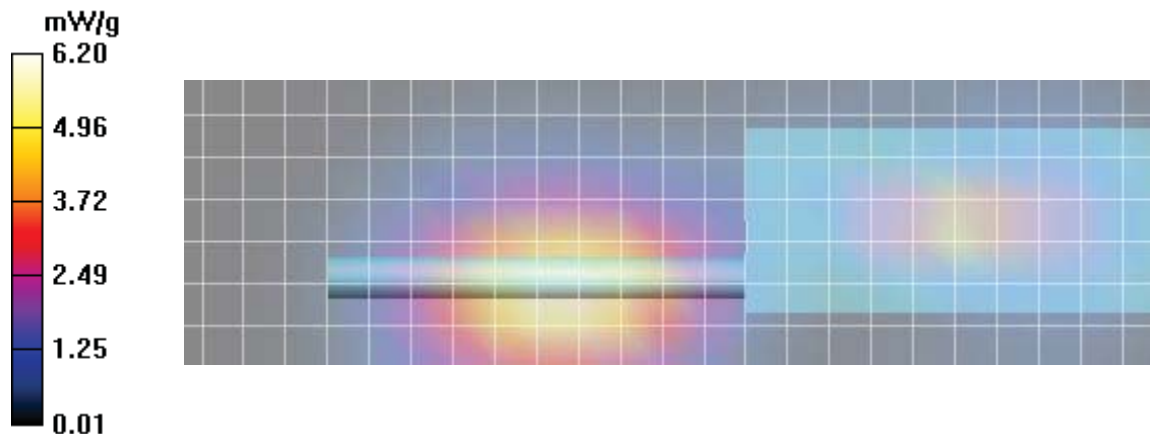
[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 6.20 mW/g

B3 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, bc, spk-mic, ant 4420-01, bat 4045-01/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 33.9 V/m; Power Drift = -0.299 dB
Peak SAR (extrapolated) = 12.4 W/kg
SAR(1 g) = 5.94 mW/g; SAR(10 g) = 4.11 mW/g

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

Maximum value of SAR (measured) = 6.16 mW/g



Plot B4

Date/Time: 07/09/2017 5:47:31 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835B

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.932 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B4 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (8x26x1):
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

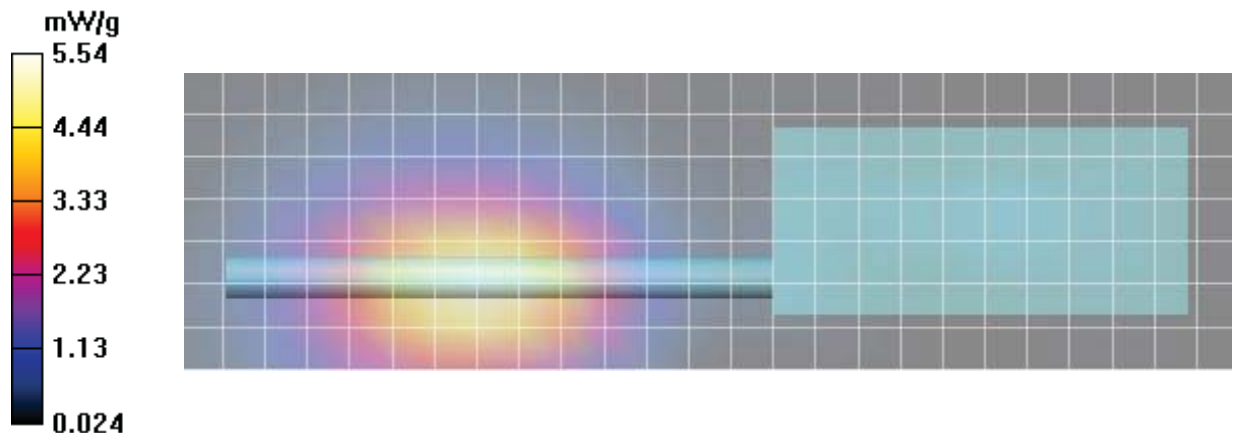
[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 5.54 mW/g

B4 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 18.8 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 6.94 W/kg
SAR(1 g) = 5.19 mW/g; SAR(10 g) = 3.75 mW/g

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

Maximum value of SAR (measured) = 5.49 mW/g



Plot B5

Date/Time: 08/09/2017 8:16:23 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835B

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.932 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B5 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Area Scan (8x26x1):
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

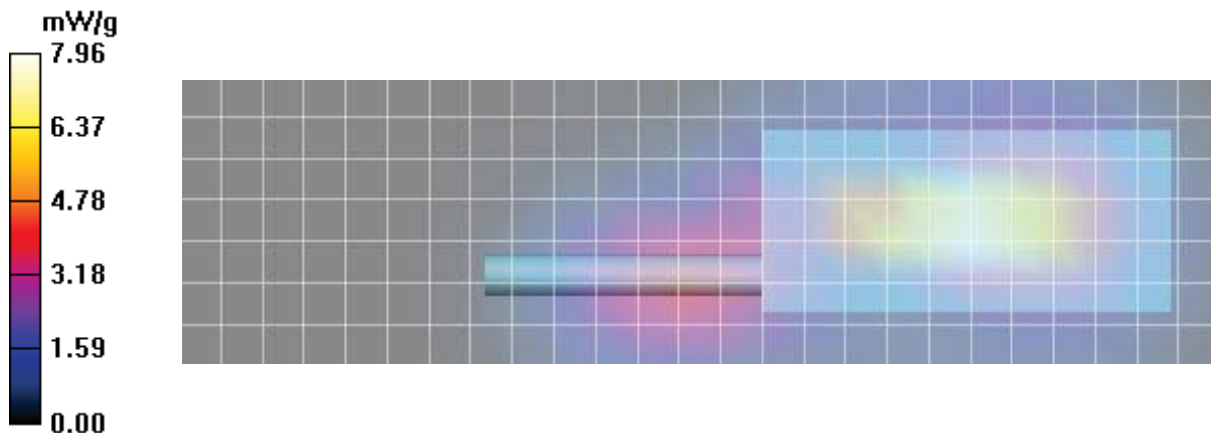
[Info: Interpolated medium parameters used for SAR evaluation!](#)

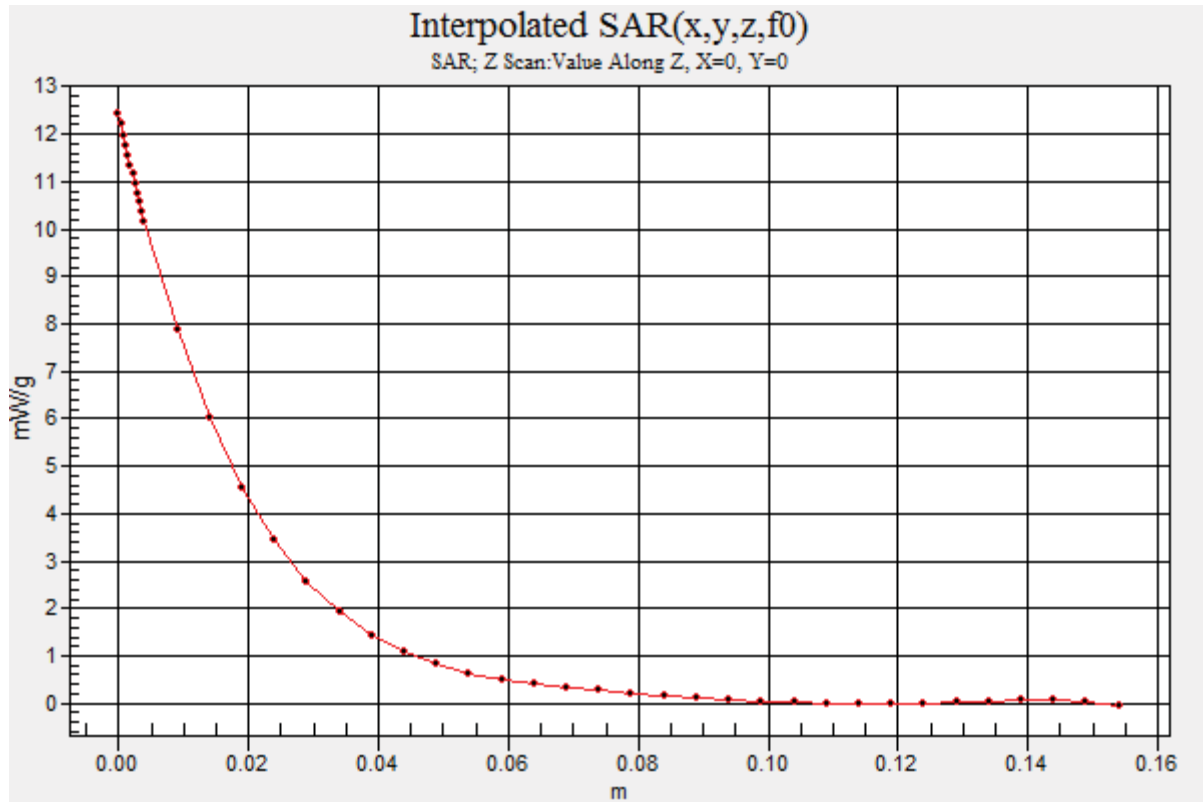
Maximum value of SAR (measured) = 7.96 mW/g

B5 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 53.1 V/m; Power Drift = -0.231 dB
Peak SAR (extrapolated) = 13.6 W/kg
SAR(1 g) = 9.83 mW/g; SAR(10 g) = 6.67 mW/g

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

Maximum value of SAR (measured) = 10.4 mW/g





Plot B6

Date/Time: 08/09/2017 8:52:01 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835B

Communication System: 7/8 NRB; Frequency: 805 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 805 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

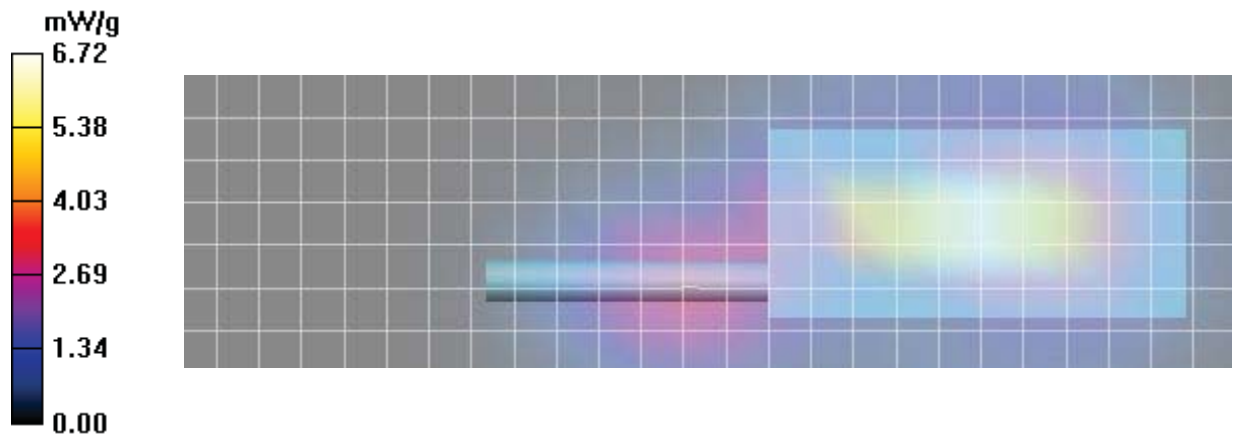
- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B6 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 805MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Area Scan (8x26x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 6.72 mW/g

B6 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 805MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Zoom Scan

(5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 50.0 V/m; Power Drift = -0.224 dB
Peak SAR (extrapolated) = 10.2 W/kg
SAR(1 g) = 7.5 mW/g; SAR(10 g) = 5.18 mW/g
Maximum value of SAR (measured) = 7.93 mW/g



Plot B7

Date/Time: 08/09/2017 9:08:59 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835B

Communication System: 7/8 NRB; Frequency: 815 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 815 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

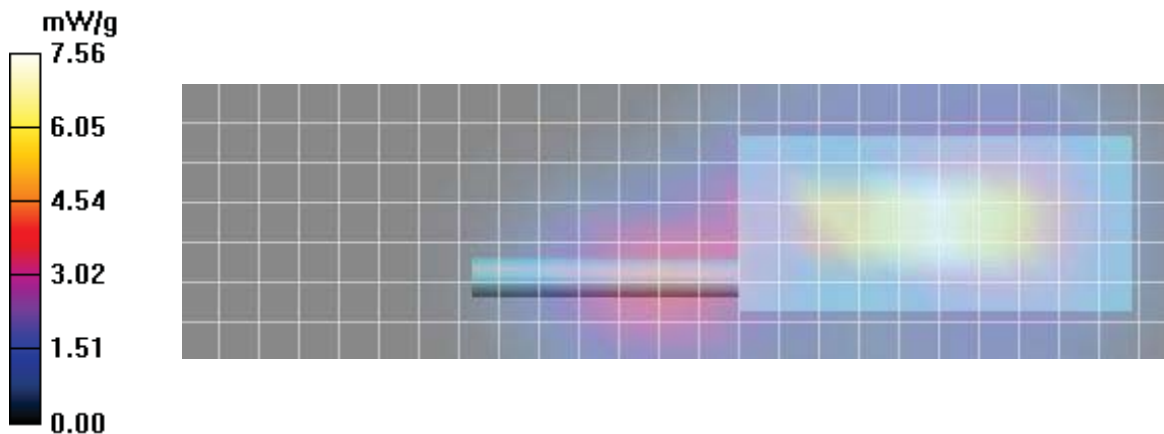
- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

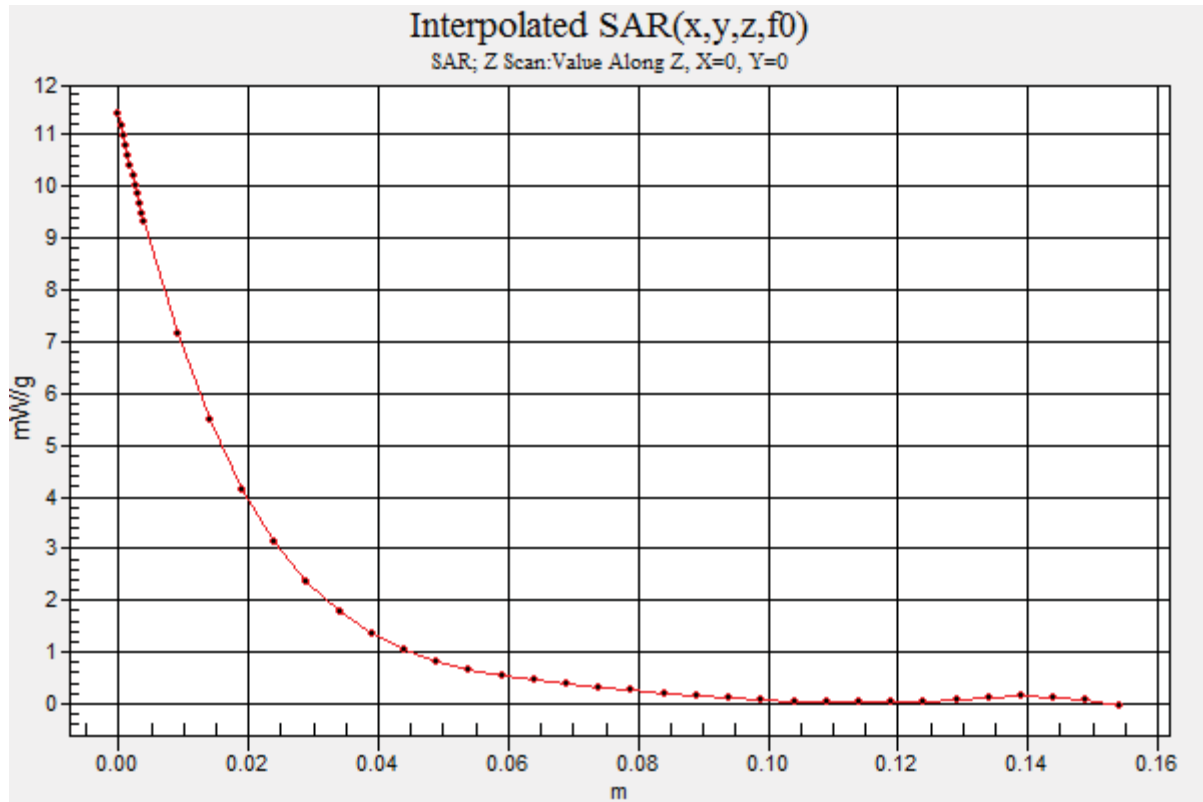
B7 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 815MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Area Scan (8x26x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 7.56 mW/g

B7 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 815MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Zoom Scan

(5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 54.5 V/m; Power Drift = -0.298 dB
Peak SAR (extrapolated) = 12.1 W/kg
SAR(1 g) = 8.83 mW/g; SAR(10 g) = 6 mW/g
Maximum value of SAR (measured) = 9.35 mW/g





Plot B8

Date/Time: 08/09/2017 9:35:55 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835B

Communication System: 7/8 NRB; Frequency: 824 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.968 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.22, 8.22, 8.22); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B8 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 824MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Area Scan (8x26x1):
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

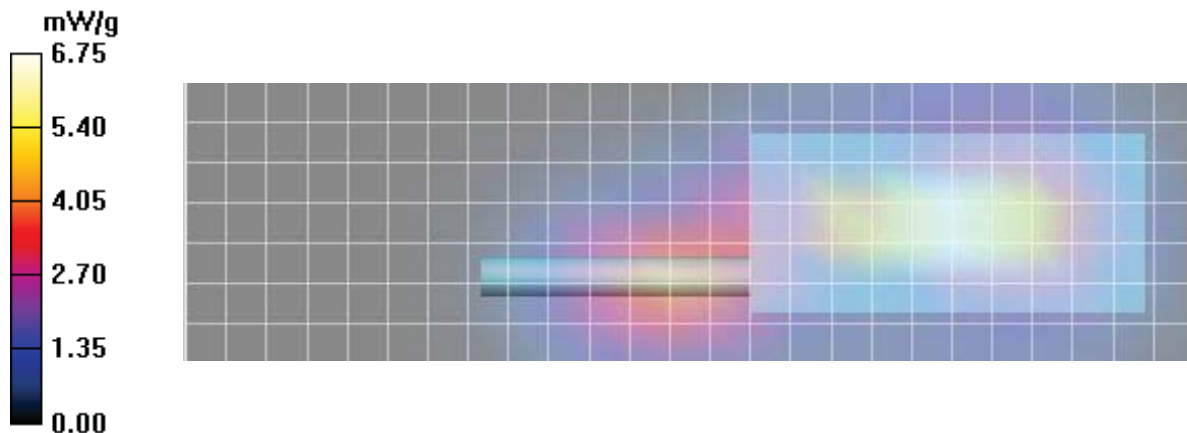
[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 6.75 mW/g

B8 Body, 0151-E SYS Eclipse XL-185P 7/800 Extended , 824MHz, bc, spk-mic, ant 4440-02, bat 4045-01/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 55.5 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 10.1 W/kg
SAR(1 g) = 7.43 mW/g; SAR(10 g) = 5.08 mW/g

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

Maximum value of SAR (measured) = 7.86 mW/g



Plot F1

Date/Time: 08/09/2017 3:05:51 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835H

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.39, 8.39, 8.39); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

F1 Face, 0146-E SYS_NRB Eclipse XL-200P, 7/800 Extended, 806MHz, ant 4440-02, bat 4045-01/Area Scan (8x26x1):
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

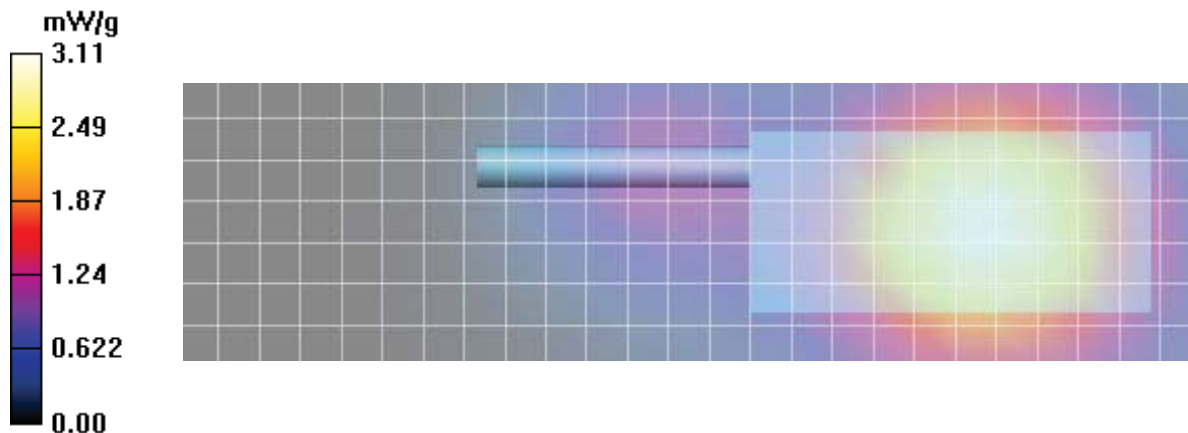
[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 3.11 mW/g

F1 Face, 0146-E SYS_NRB Eclipse XL-200P, 7/800 Extended, 806MHz, ant 4440-02, bat 4045-01/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 31.7 V/m; Power Drift = -0.578 dB
Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 2.97 mW/g; SAR(10 g) = 2.22 mW/g

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

Maximum value of SAR (measured) = 3.12 mW/g



Plot F2

Date/Time: 08/09/2017 3:25:56 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835H

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.39, 8.39, 8.39); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

F2 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4000-01, bat 4045-01/Area Scan (8x26x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (measured) = 2.18 mW/g

F2 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4000-01, bat 4045-01/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

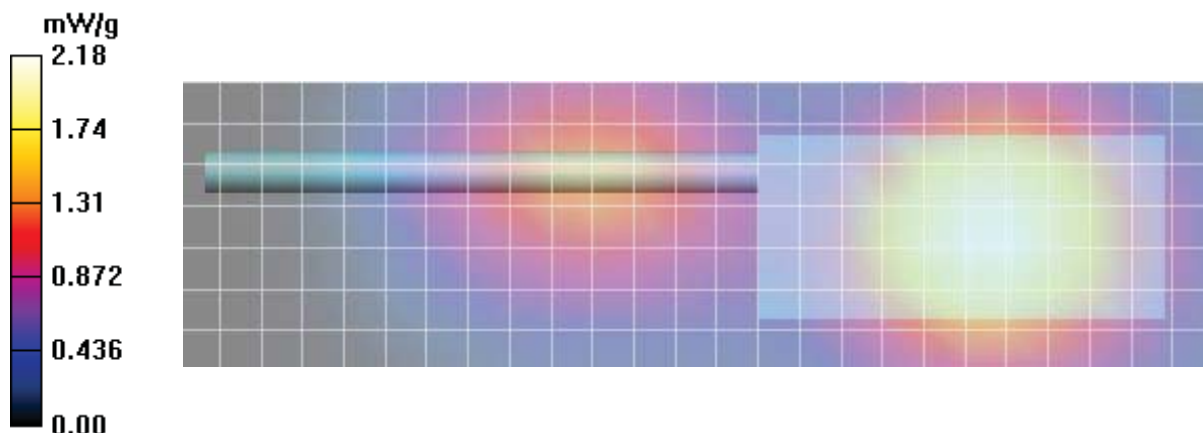
Reference Value = 26.4 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 2.72 W/kg

SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.58 mW/g

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

Maximum value of SAR (measured) = 2.22 mW/g



Plot F3

Date/Time: 08/09/2017 3:47:14 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835H

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.39, 8.39, 8.39); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

F3 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4420-01, bat 4045-01/Area Scan (8x2 6x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

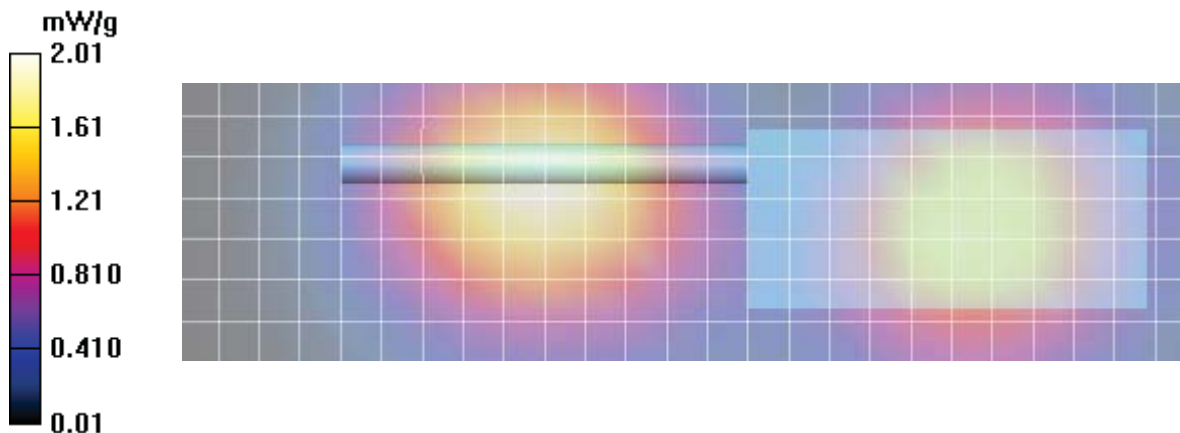
Maximum value of SAR (measured) = 2.01 mW/g

F3 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4420-01, bat 4045-01/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 22.7 V/m; Power Drift = -0.420 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 1.9 mW/g; SAR(10 g) = 1.4 mW/g

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

Maximum value of SAR (measured) = 2.00 mW/g



Plot F4

Date/Time: 11/09/2017 8:35:35 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835H

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.39, 8.39, 8.39); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

F4 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4440-01, bat 4045-01/Area Scan (8x26x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

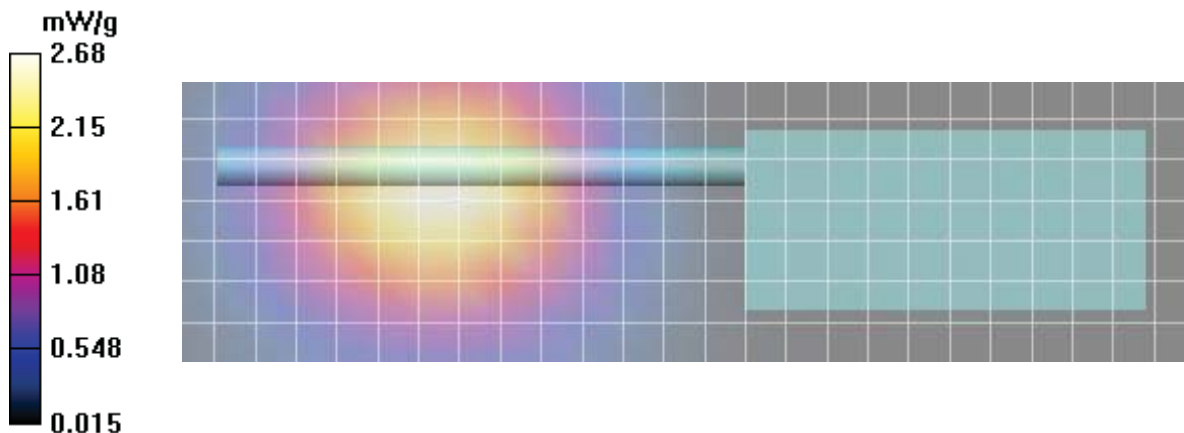
Maximum value of SAR (measured) = 2.68 mW/g

F4 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4440-01, bat 4045-01/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 8.78 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 3.03 W/kg
SAR(1 g) = 2.32 mW/g; SAR(10 g) = 1.72 mW/g

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

Maximum value of SAR (measured) = 2.44 mW/g



Plot F5

Date/Time: 11/09/2017 10:12:25 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835H

Communication System: 7/8 NRB; Frequency: 806 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 806 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.39, 8.39, 8.39); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

F5 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4440-02, bat 4045-01/Area Scan (8x26x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (measured) = 3.24 mW/g

F5 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4440-02, bat 4045-01/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 31.9 V/m; Power Drift = -0.133 dB
Peak SAR (extrapolated) = 4.01 W/kg
SAR(1 g) = 3.1 mW/g; SAR(10 g) = 2.32 mW/g

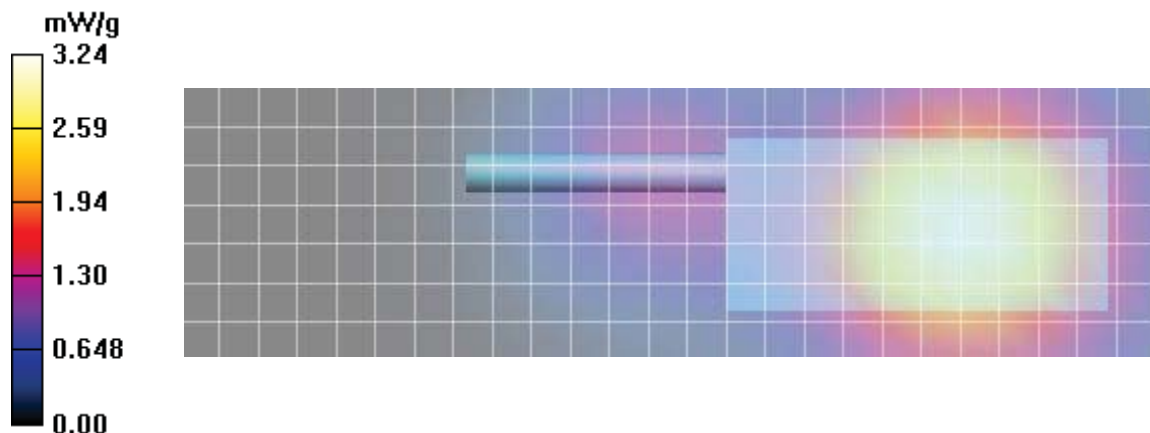
[Info: Interpolated medium parameters used for SAR evaluation!](#)

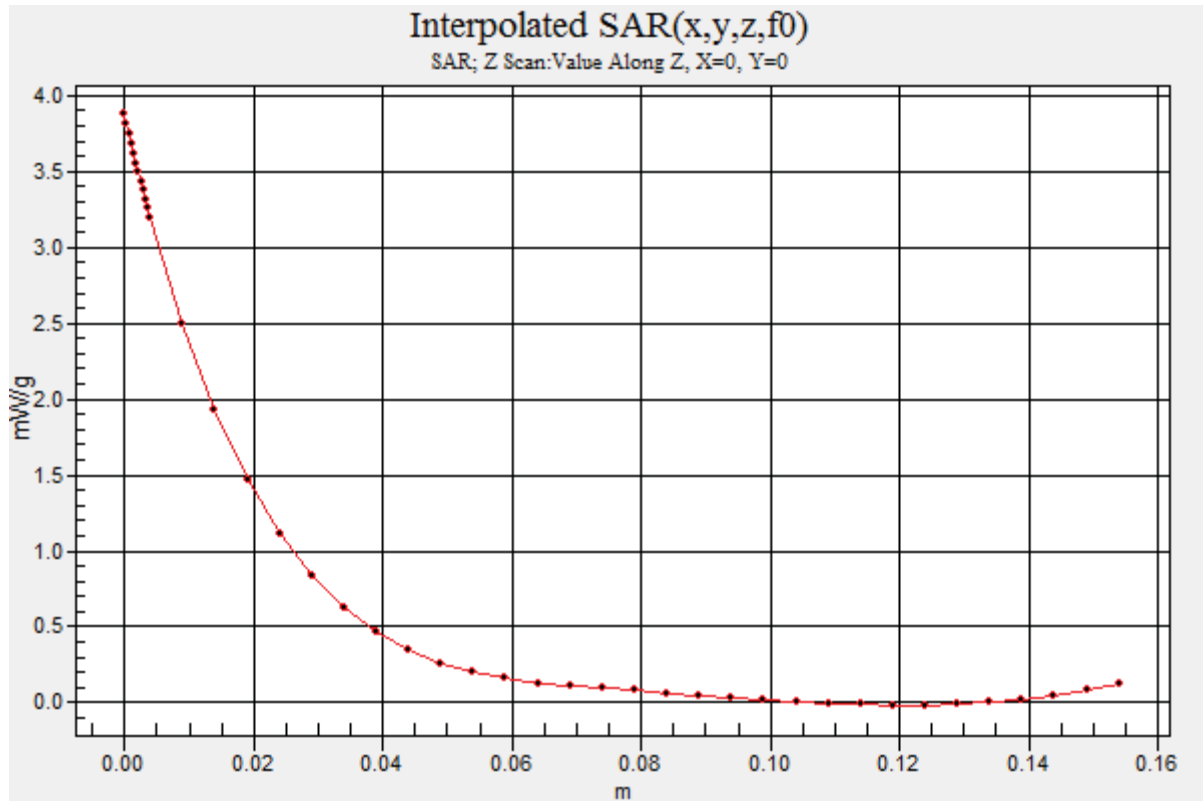
Maximum value of SAR (measured) = 3.25 mW/g

F5 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 806MHz, ant 4440-02, bat 4045-01/Z Scan (1x1x42): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

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

Maximum value of SAR (interpolated) = 3.88 mW/g





Plot F6

Date/Time: 11/09/2017 9:28:14 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 835H

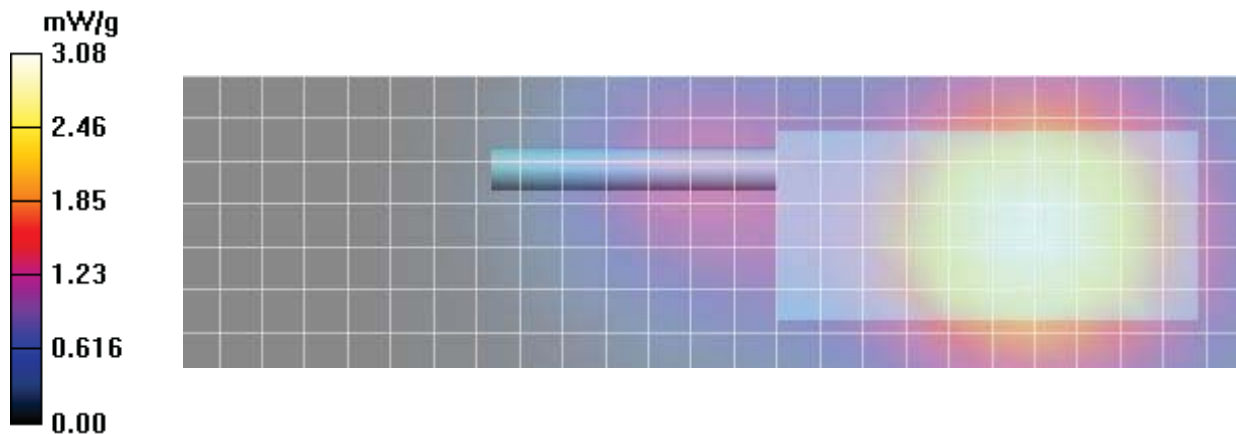
Communication System: 7/8 NRB; Frequency: 815 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 815 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(8.39, 8.39, 8.39); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

F6 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 815MHz, ant 4440-02, bat 4045-01/Area Scan (8x26x1): Measurement
grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 3.08 mW/g

F6 Face, 0151-E SYS Eclipse XL-185P 7/800 Extended , 815MHz, ant 4440-02, bat 4045-01/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 33.9 V/m; Power Drift = -0.272 dB
Peak SAR (extrapolated) = 3.87 W/kg
SAR(1 g) = 2.99 mW/g; SAR(10 g) = 2.23 mW/g
Maximum value of SAR (measured) = 3.14 mW/g



Plot B9

Date/Time: 12/09/2017 1:49:18 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 2450B

Communication System: WiFi; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 49.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(6.56, 6.56, 6.56); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B9 Body, SYS_0144-E_RB Eclipse XL-200P BT, 2480MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (9x32x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.012 mW/g

B9 Body, SYS_0144-E_RB Eclipse XL-200P BT, 2480MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x7)/Cube 0:

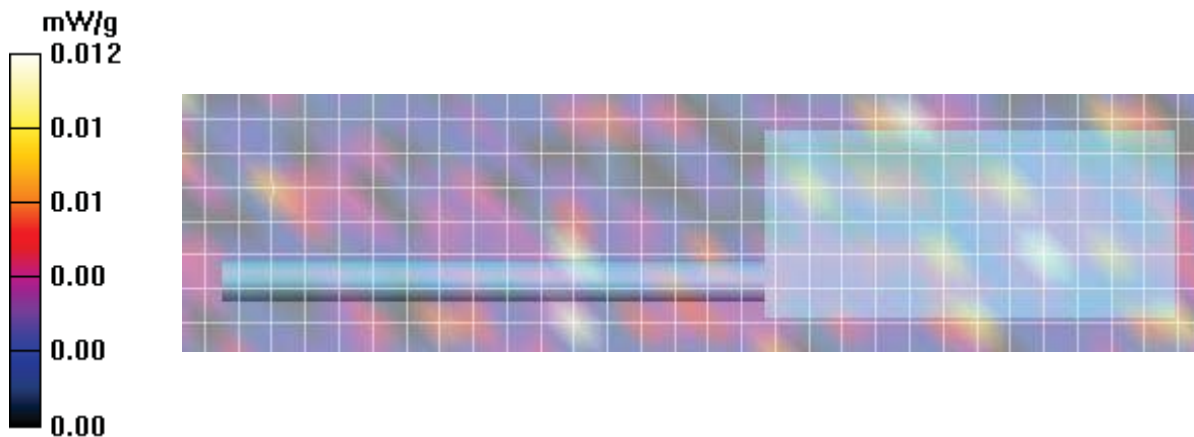
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.357 V/m; Power Drift = -999.0 dB

Peak SAR (extrapolated) = 0.011 W/kg

SAR(1 g) = 0.000257 mW/g; SAR(10 g) = 6.56e-005 mW/g

Maximum value of SAR (measured) = 0.011 mW/g



Plot B10

Date/Time: 12/09/2017 2:25:32 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 2450B

Communication System: WiFi; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 49.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(6.56, 6.56, 6.56); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B10 Body, SYS_0146-E_NRB Eclipse XL-200P BT, 2480MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (9x32x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.011 mW/g

B10 Body, SYS_0146-E_NRB Eclipse XL-200P BT, 2480MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x7)/Cube 0:

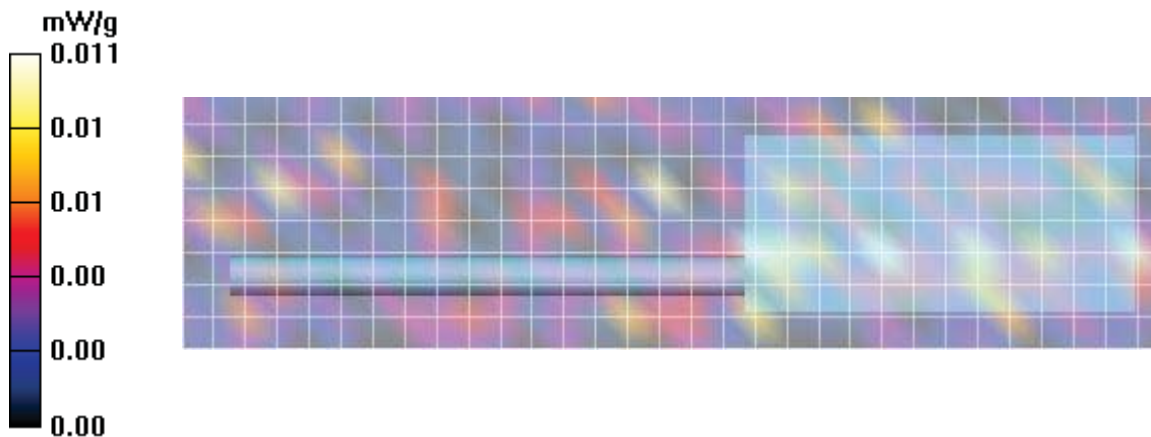
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.882 V/m; Power Drift = -1.44 dB

Peak SAR (extrapolated) = 0.00 W/kg

SAR(1 g) = 6.77e-005 mW/g; SAR(10 g) = 1.73e-005 mW/g

Maximum value of SAR (measured) = 0.01 mW/g



Plot B11

Date/Time: 12/09/2017 4:10:09 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 2450B

Communication System: WiFi; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 49.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(6.56, 6.56, 6.56); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B11 Body, SYS_0151-E_NRB Eclipse XL-185P BT, 2480MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (9x32x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.012 mW/g

B11 Body, SYS_0151-E_NRB Eclipse XL-185P BT, 2480MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.625 V/m; Power Drift = 3.19 dB

Peak SAR (extrapolated) = 0.01 W/kg

SAR(1 g) = 4.74e-005 mW/g; SAR(10 g) = 1.01e-005 mW/g

Maximum value of SAR (measured) = 0.01 mW/g



Plot B12

Date/Time: 13/09/2017 8:21:11 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 2450B

Communication System: WiFi; Frequency: 2412 MHz; Duty Cycle: 1:1.2
Medium parameters used (interpolated): $f = 2412 \text{ MHz}$; $\sigma = 1.9 \text{ mho/m}$; $\epsilon_r = 49.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(6.56, 6.56, 6.56); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B12 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 2412MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (9x32x1):
Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

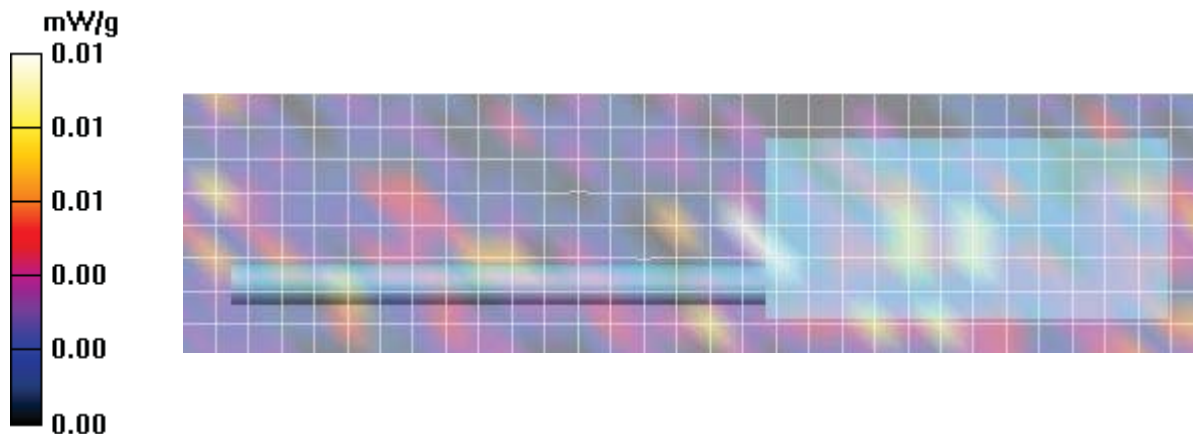
[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.010 mW/g

B12 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 2412MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 1.10 V/m; Power Drift = 1.89 dB
Peak SAR (extrapolated) = 0.012 W/kg
SAR(1 g) = 0.000361 mW/g; SAR(10 g) = 4.86e-005 mW/g

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

Maximum value of SAR (measured) = 0.01 mW/g



Plot B13

Date/Time: 13/09/2017 9:12:33 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 2450B

Communication System: WiFi; Frequency: 2437 MHz; Duty Cycle: 1:1.2
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 49.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(6.56, 6.56, 6.56); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

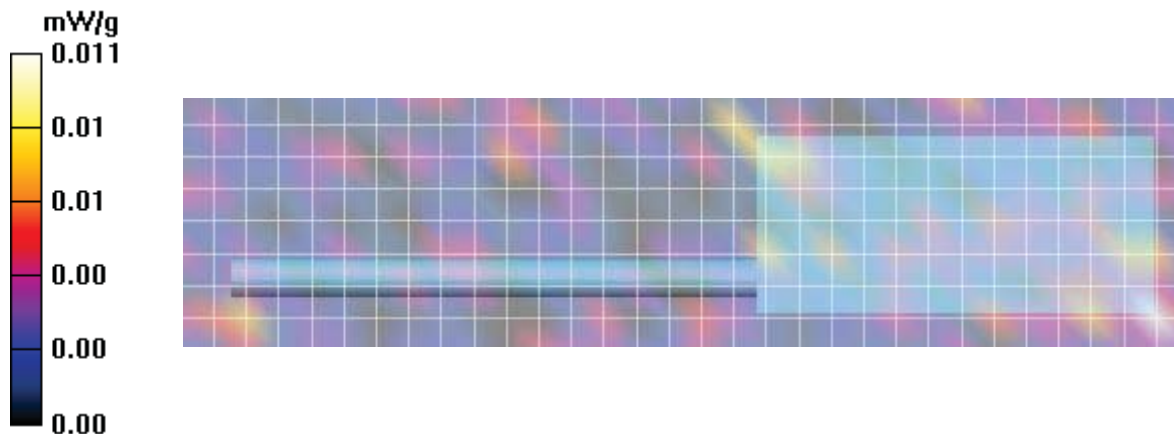
B13 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 2437MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (9x32x1):
Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.011 mW/g

B13 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 2437MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.659 V/m; Power Drift = 6.43 dB
Peak SAR (extrapolated) = 0.011 W/kg
SAR(1 g) = 0.000877 mW/g; SAR(10 g) = 0.000169 mW/g

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



Plot B14

Date/Time: 13/09/2017 9:38:10 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 2450B

Communication System: WiFi; Frequency: 2462 MHz; Duty Cycle: 1:1.2
Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 49.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(6.56, 6.56, 6.56); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

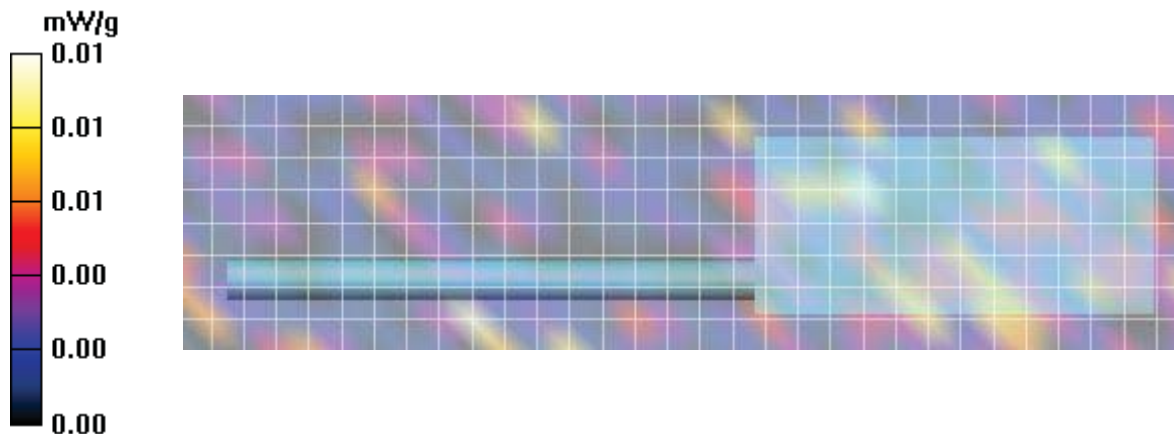
B14 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 2462MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (9x32x1):
Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.01 mW/g

B14 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 2462MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.576 V/m; Power Drift = 6.49 dB
Peak SAR (extrapolated) = 0.01 W/kg
SAR(1 g) = 0.000351 mW/g; SAR(10 g) = 6.02e-005 mW/g

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



Plot B15

Date/Time: 14/09/2017 10:10:36 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 5250B

Communication System: Wifi; Frequency: 5180 MHz; Duty Cycle: 1:1.2
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.66 \text{ mho/m}$; $\epsilon_r = 48.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(4.18, 4.18, 4.18); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B15 Body, SYS_0144-E_RB Eclipse XL-200P Wifi, 5180MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (11x38x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.050 mW/g

B15 Body, SYS_0144-E_RB Eclipse XL-200P Wifi, 5180MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x9)/Cube 0:

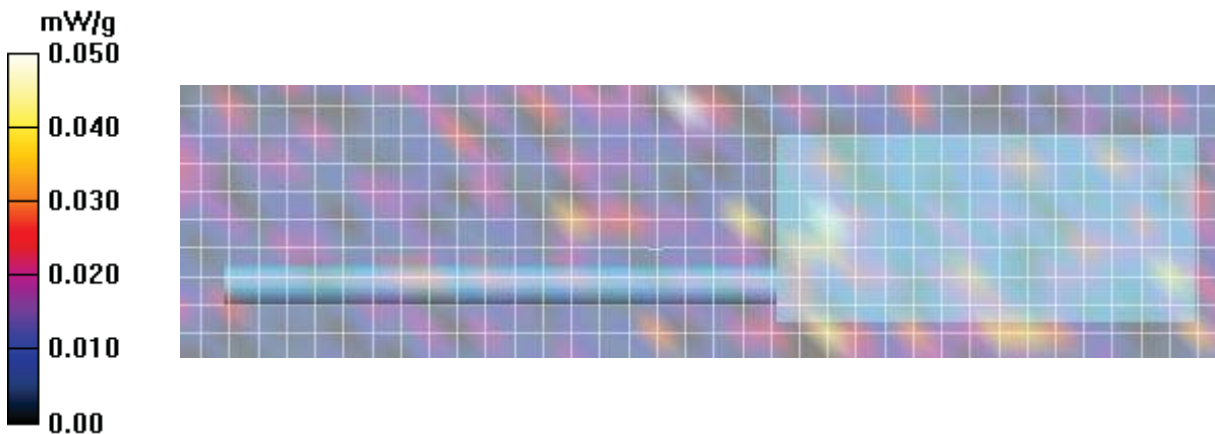
Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0.682 V/m; Power Drift = 8.35 dB

Peak SAR (extrapolated) = 0.047 W/kg

SAR(1 g) = 0.00138 mW/g; SAR(10 g) = 0.00033 mW/g

Maximum value of SAR (measured) = 0.047 mW/g



Plot B16

Date/Time: 14/09/2017 10:43:04 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 5250B

Communication System: Wifi; Frequency: 5180 MHz; Duty Cycle: 1:1.2
Medium parameters used: $f = 5180$ MHz; $\sigma = 5.66$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(4.18, 4.18, 4.18); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B16 Body, SYS_0146-E_NRB Eclipse XL-200P Wifi, 5180MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (11x38x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.049 mW/g

B16 Body, SYS_0146-E_NRB Eclipse XL-200P Wifi, 5180MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x9)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.066 V/m; Power Drift = 29.0 dB

Peak SAR (extrapolated) = 0.051 W/kg

SAR(1 g) = 0.00051 mW/g; SAR(10 g) = 7.18e-005 mW/g

Maximum value of SAR (measured) = 0.051 mW/g



Plot B17

Date/Time: 14/09/2017 11:20:57 AM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 5250B

Communication System: Wifi; Frequency: 5180 MHz; Duty Cycle: 1:1.2
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.66 \text{ mho/m}$; $\epsilon_r = 48.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(4.18, 4.18, 4.18); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B17 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 5180MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (11x38x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.078 mW/g

B17 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 5180MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x9)/Cube

0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.15 V/m; Power Drift = 0.203 dB

Peak SAR (extrapolated) = 0.119 W/kg

SAR(1 g) = 0.000797 mW/g; SAR(10 g) = 0.000262 mW/g

Maximum value of SAR (measured) = 0.042 mW/g



Plot B18

Date/Time: 14/09/2017 1:39:57 PM

Test Laboratory: Celltech Labs

DUT: Harris; Type: PTT Radio Transceiver;
Program Name: 5250B

Communication System: Wifi; Frequency: 5240 MHz; Duty Cycle: 1:1.2
Medium parameters used: $f = 5240$ MHz; $\sigma = 5.81$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3600; ConvF(4.18, 4.18, 4.18); Calibrated: 27/04/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 24/04/2017
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 145

B18 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 5240MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Area Scan (11x38x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.043 mW/g

B18 Body, SYS_0151-E_NRB Eclipse XL-185P Wifi, 5240MHz, bc, spk-mic, ant 4440-01, bat 4045-01/Zoom Scan (7x7x9)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.465 V/m; Power Drift = 13.7 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.000272 mW/g; SAR(10 g) = 7.6e-005 mW/g

Maximum value of SAR (measured) = 0.038 mW/g

