

**DUT: Digital Portable Radio; Type: BD612 VHF;**

Communication System: VHF; Frequency: 143.01 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 143.01$  MHz;  $\sigma = 0.78$  S/m;  $\epsilon_r = 52.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

- Probe: EX3DV4 – SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 15/11/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE – SN772; Calibrated: 25/10/2016
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: TP-2051
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**D143.01-face up(2.5cm) /Area Scan (121x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.650 mW/g

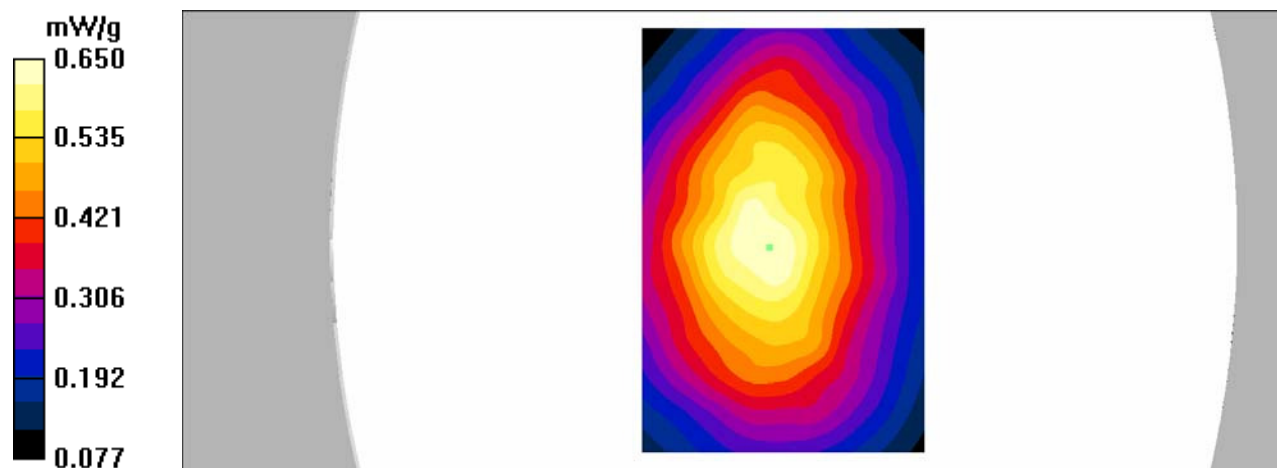
**D143.01-face up(2.5cm)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.8 V/m; Power Drift = 0.113 dB

Peak SAR (extrapolated) = 0.872W/kg

**SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.489 mW/g**

Maximum value of SAR (measured) = 0.650 mW/g



**DUT: Digital Portable Radio; Type: BD612 VHF;**

Communication System: VHF; Frequency: 143.01 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 143.01$  MHz;  $\sigma = 0.82$  S/m;  $\epsilon_r = 61.85$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

-Probe: EX3DV4 – SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 15/11/2016

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE – SN772; Calibrated: 25/10/2016

- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: TP-2051

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**D143.01-back/Area Scan (121x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.56 mW/g

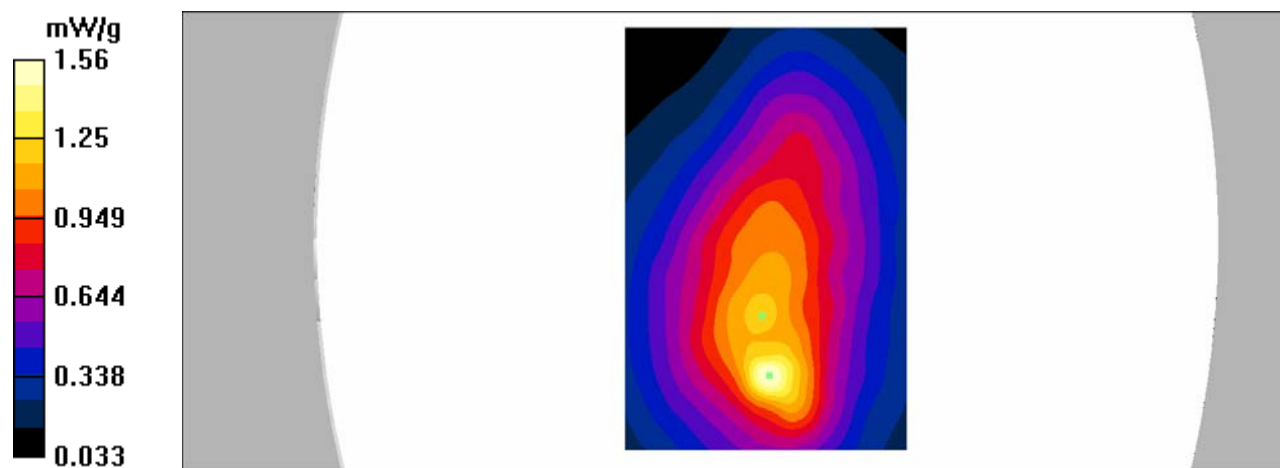
**D143.01-back/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.7 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 2.91 W/kg

**SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.929 mW/g**

Maximum value of SAR (measured) = 1.56 mW/g



**DUT: Digital Portable Radio; Type: BD612 VHF;**

Communication System: VHF; Frequency: 166.01 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 166.01$  MHz;  $\sigma = 0.78$  S/m;  $\epsilon_r = 52.61$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

- Probe: EX3DV4 – SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 15/11/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE – SN772; Calibrated: 25/10/2016
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: TP-2051
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**D166.01-face up(2.5cm) /Area Scan (121x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.05 mW/g

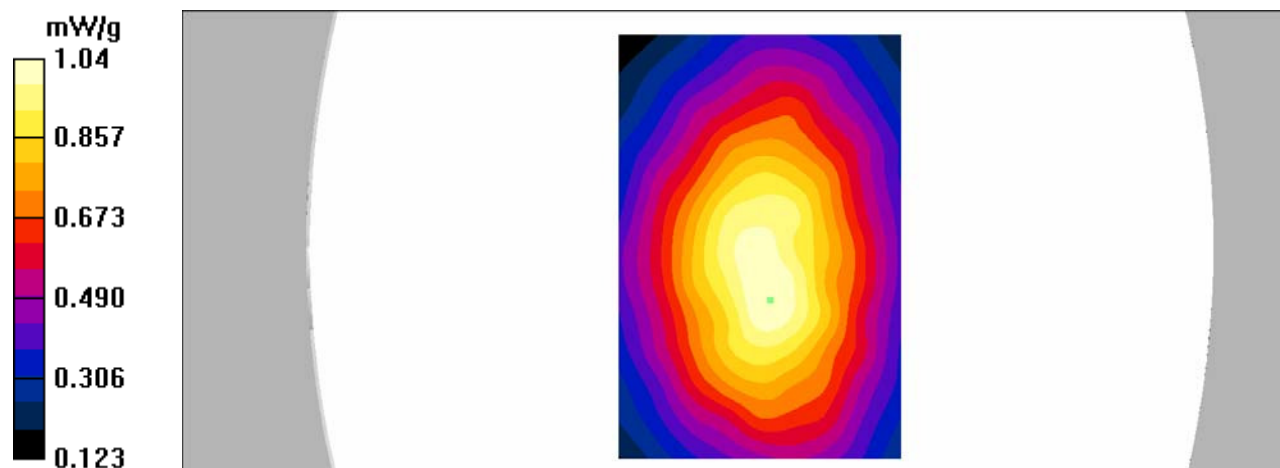
**D166.01-face up(2.5cm)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.0 V/m; Power Drift = -0.201 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.743 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g



**DUT: Digital Portable Radio; Type: BD612 VHF;**

Communication System: VHF; Frequency: 166.01 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 166.01$  MHz;  $\sigma = 0.83$  S/m;  $\epsilon_r = 62.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

-Probe: EX3DV4 – SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 15/11/2016

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE – SN772; Calibrated: 25/10/2016

- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: TP-2051

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**D166.01-back/Area Scan (121x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.55 mW/g

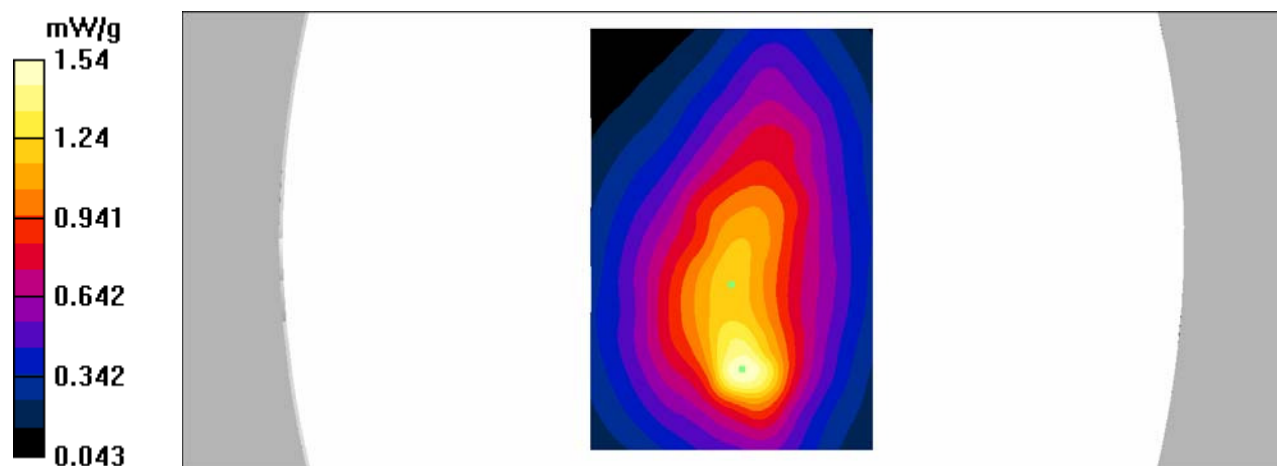
**D166.01-back/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.9 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 1.51 mW/g; SAR(10 g) = 0.981 mW/g**

Maximum value of SAR (measured) = 1.54 mW/g



**DUT: Digital Portable Radio; Type: BD612 VHF;**

Communication System: VHF; Frequency: 143.01 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 143.01$  MHz;  $\sigma = 0.78$  S/m;  $\epsilon_r = 52.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

-Probe: EX3DV4 – SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 15/11/2016

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE – SN772; Calibrated: 25/10/2016

- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: TP-2051

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**A12.5-143.01-face up(2.5cm)/Area Scan (121x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 1.36 mW/g

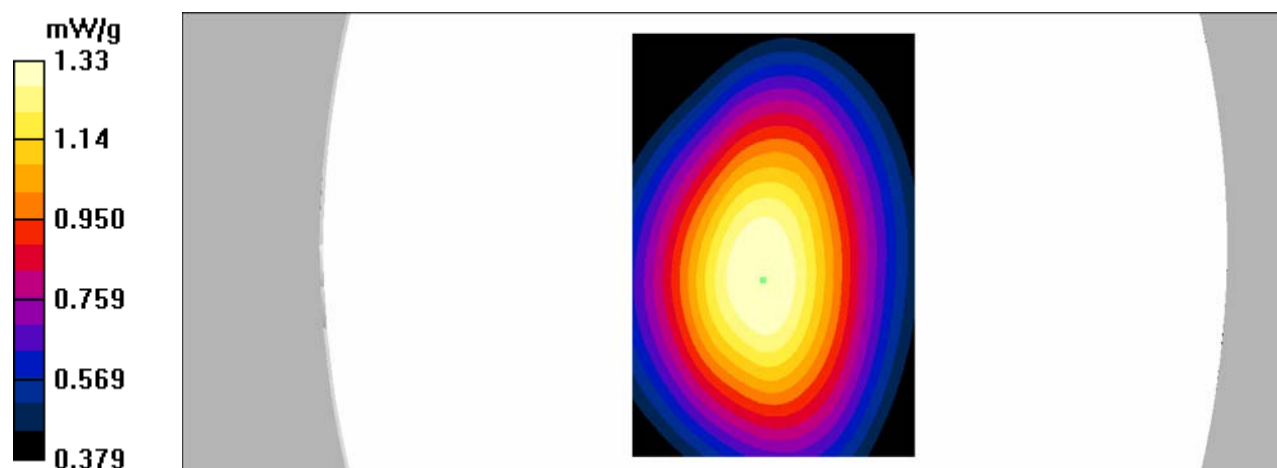
**A12.5-A143.01-face up(2.5cm)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 41.8 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 1.28 mW/g; SAR(10 g) = 1.03 mW/g**

Maximum value of SAR (measured) = 1.33 mW/g



**DUT: Digital Portable Radio; Type: BD612 VHF;**

Communication System: VHF; Frequency: 143.01 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 143.01$  MHz;  $\sigma = 0.82$  S/m;  $\epsilon_r = 61.85$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

-Probe: EX3DV4 – SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 15/11/2016

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE – SN772; Calibrated: 25/10/2016

- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: TP-2051

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**A12.5-143.01-back/Area Scan (121x181x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 3.47 mW/g

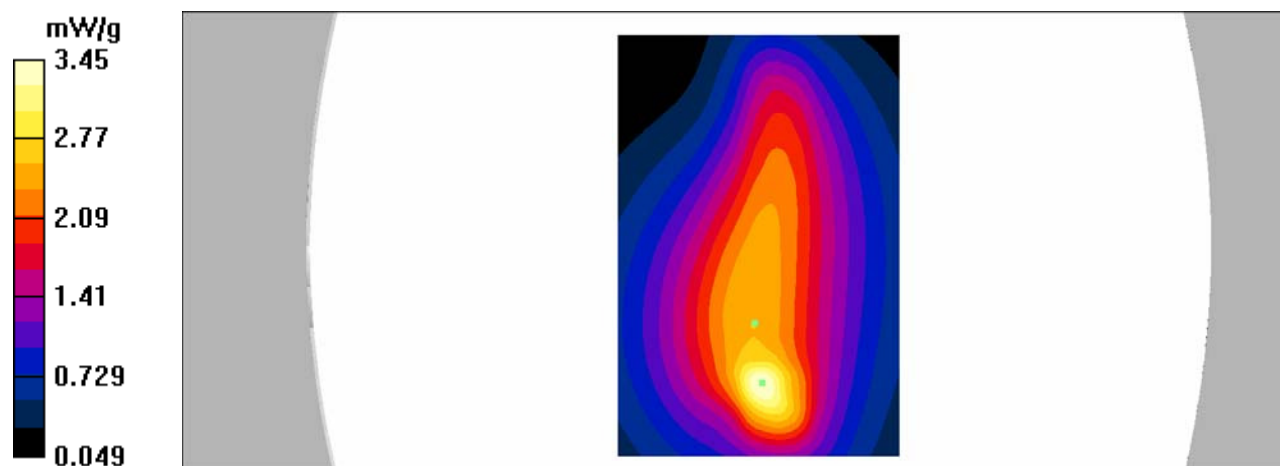
**A12.5-143.01-back/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.1 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 6.81 W/kg

**SAR(1 g) = 3.35 mW/g; SAR(10 g) = 2.04 mW/g**

Maximum value of SAR (measured) = 3.45 mW/g



**DUT: Digital Portable Radio; Type: BD612 VHF;**

Communication System: VHF; Frequency: 166.01 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 166.01$  MHz;  $\sigma = 0.78$  S/m;  $\epsilon_r = 52.61$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

-Probe: EX3DV4 – SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 15/11/2016

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE – SN772; Calibrated: 25/10/2016

- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: TP-2051

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**A12.5-166.01-face up(2.5cm)/Area Scan (121x181x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 1.98 mW/g

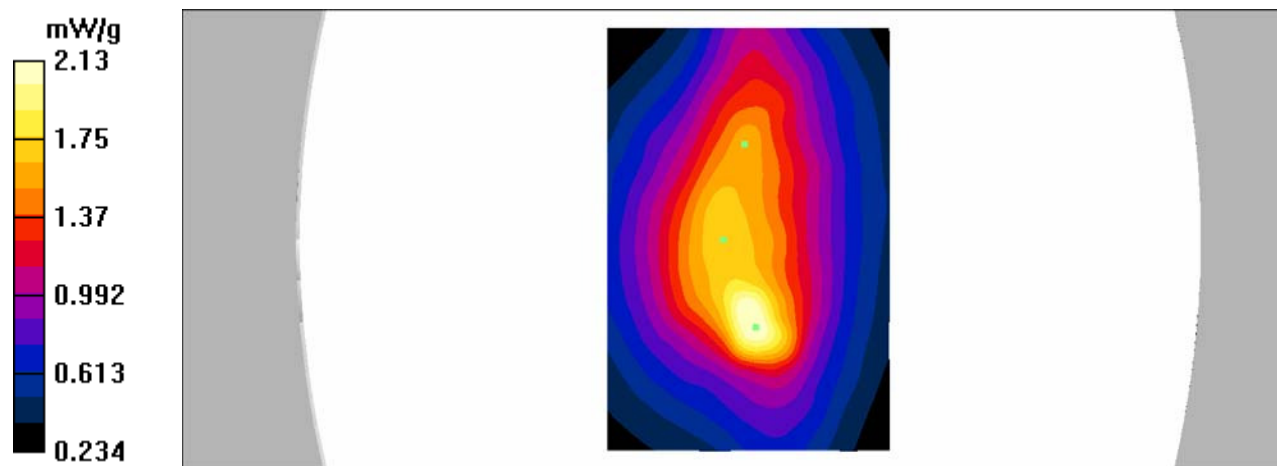
**A12.5-166.01-face up(2.5cm)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 42.5 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 3.95 W/kg

**SAR(1 g) = 2 mW/g; SAR(10 g) = 1.26 mW/g**

Maximum value of SAR (measured) = 2.13 mW/g



**DUT: Digital Portable Radio; Type: BD612 VHF;**

Communication System: VHF; Frequency: 166.01 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 166.01$  MHz;  $\sigma = 0.83$  S/m;  $\epsilon_r = 62.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

-Probe: EX3DV4 – SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 15/11/2016

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE – SN772; Calibrated: 25/10/2016

- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: TP-2051

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**A12.5-166.01-back/Area Scan (121x181x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 4.00 mW/g

**A12.5-166.01-back/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.0 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 8.22 W/kg

**SAR(1 g) = 3.98 mW/g; SAR(10 g) = 2.59 mW/g**

Maximum value of SAR (measured) = 4.48 mW/g

