

**DUT: FRS/GMRS TWO-WAY RADIOS; Model: TF-312;**

Communication System: Analog Radio frequency; Frequency: 462.625 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 462.625$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 43.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 – SN7441; ConvF(10.98, 10.98, 10.98); 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

**GMRS A462.625-face up(2.5cm)/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.226 mW/g

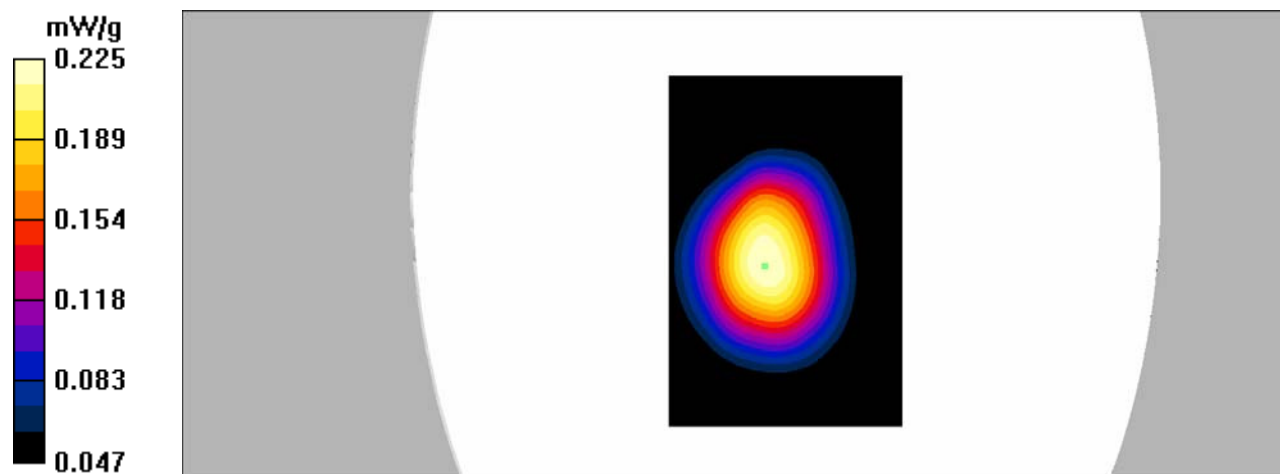
**GMRS A462.625-face up(2.5cm)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.268 W/kg

**SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.162 mW/g**

Maximum value of SAR (measured) = 0.225 mW/g



**DUT: FRS/GMRS TWO-WAY RADIOS; Model: TF-312;**

Communication System: Analog Radio frequency; Frequency: 467.6375 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 467.6375$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 43.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 – SN7441; ConvF(10.98, 10.98, 10.98); 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

**FRS A467.6375-face up(2.5cm)/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.253mW/g

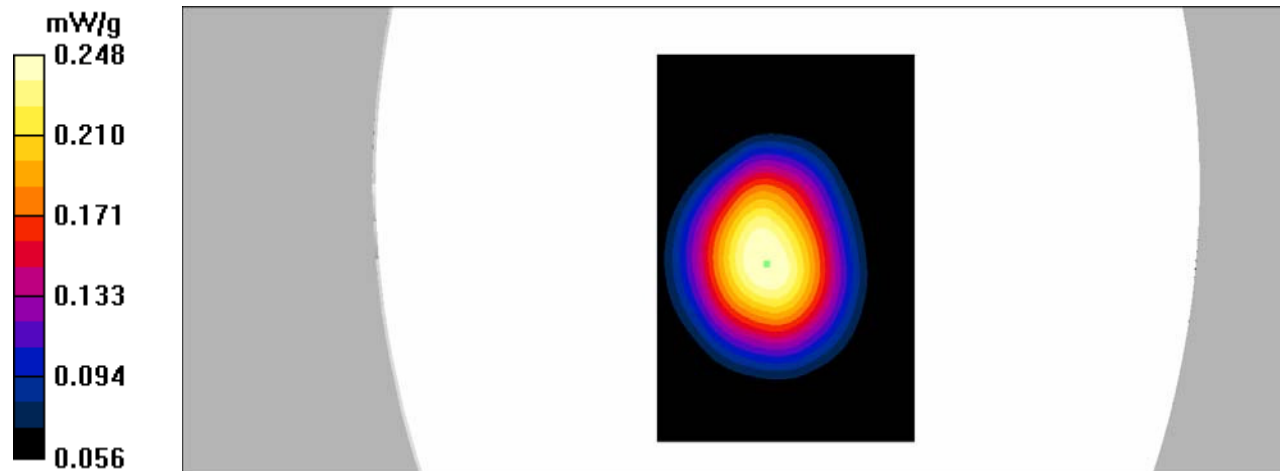
**FRS A467.6375-face up(2.5cm)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.311 W/kg

**SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.182 mW/g**

Maximum value of SAR (measured) = 0.248 mW/g



**DUT: FRS/GMRS TWO-WAY RADIOS; Model: TF-312;**

Communication System: Analog Radio frequency; Frequency: 462.625 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 462.625$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 56.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 – SN7441; ConvF(12.08, 12.08, 12.08); 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

**GMRS A462.625-back/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.434 mW/g

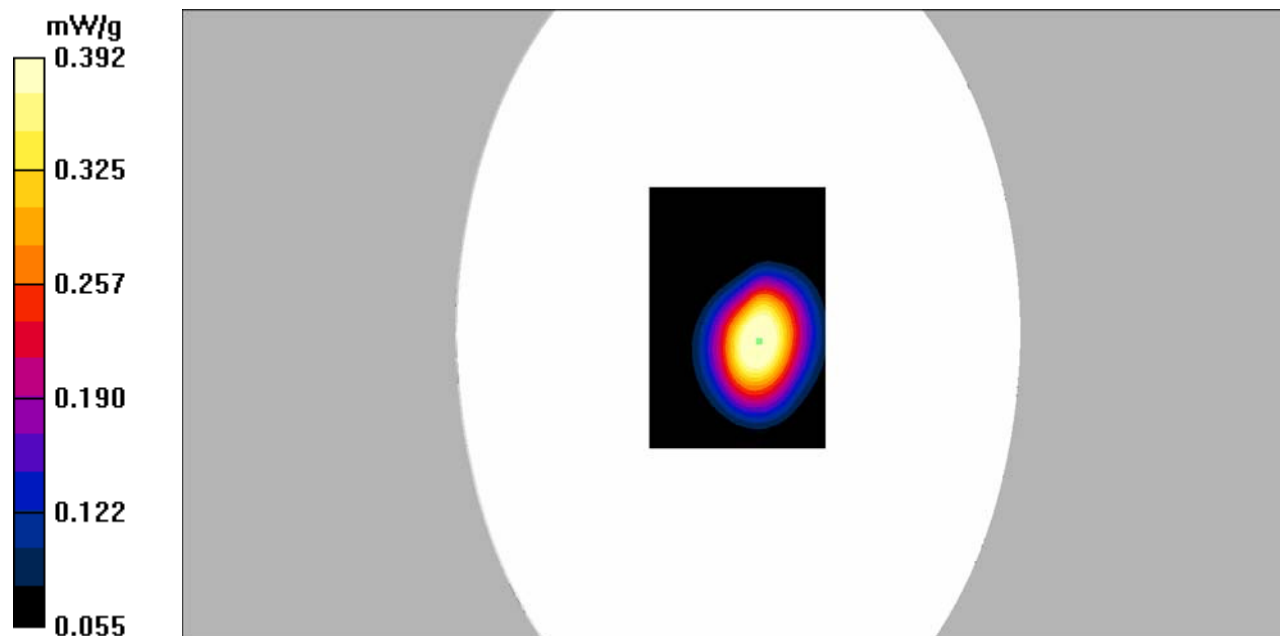
**GMRS A462.625-back/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.6 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.486 W/kg

**SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.268 mW/g**

Maximum value of SAR (measured) = 0.392 mW/g



**DUT: FRS/GMRS TWO-WAY RADIOS; Model: TF-312;**

Communication System: Analog Radio frequency; Frequency: 467.6375 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 467.6375$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 56.96$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 – SN7441; ConvF(12.08, 12.08, 12.08); 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

**FRS A467.6375-back/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.413 mW/g

**FRS A467.6375-back/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.7 V/m; Power Drift = -0.531 dB

Peak SAR (extrapolated) = 0.490 W/kg

**SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.268 mW/g**

Maximum value of SAR (measured) = 0.387 mW/g

