

Test Laboratory: The name of your organization

1_EUT Setup Configuration 1_A0 Antenna

DUT: Hitachi Keiyo Engineering and Systems, Ltd; Type: PC5NR3-XXXXXXXXXX; Serial: 90043

Ambient temperature = 23.0 deg. C; Liquid temperature = 22.0 deg. C

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Low Ch./Area Scan (8x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 2.28 V/m; Power Drift = 0.17 dB

Maximum value of SAR (measured) = 0.289 mW/g

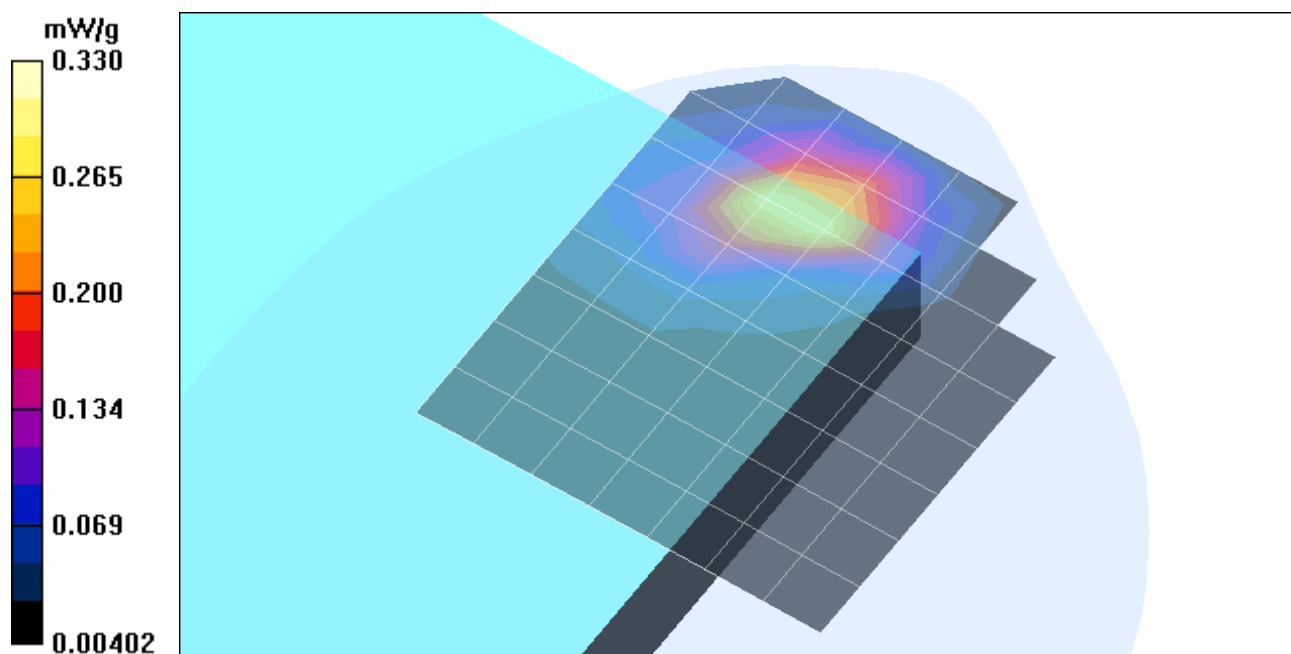
Low Ch./Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 2.28 V/m; Power Drift = 0.17 dB

Maximum value of SAR (measured) = 0.330 mW/g

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.156 mW/g



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Ambient temperature = 23.0 deg. C; Liquid temperature = 22.0 deg. C

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Middle Ch./Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.57 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.316 mW/g

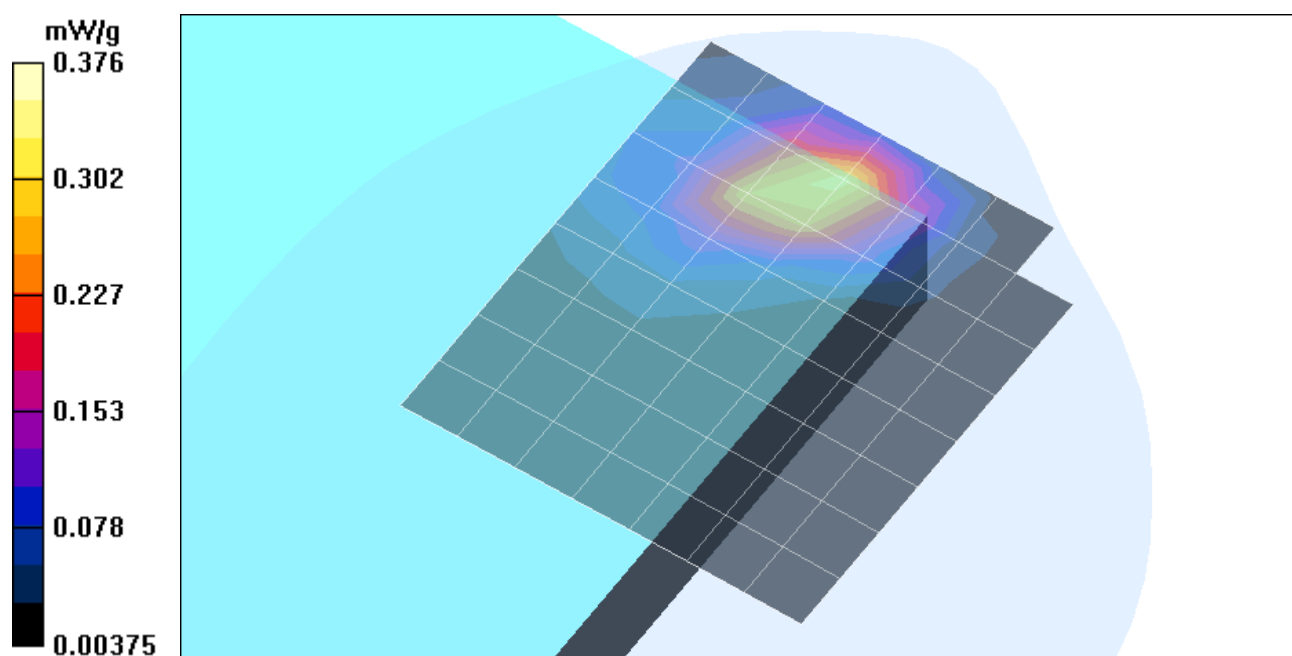
Middle Ch./Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.57 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.376 mW/g

Peak SAR (extrapolated) = 0.639 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.177 mW/g



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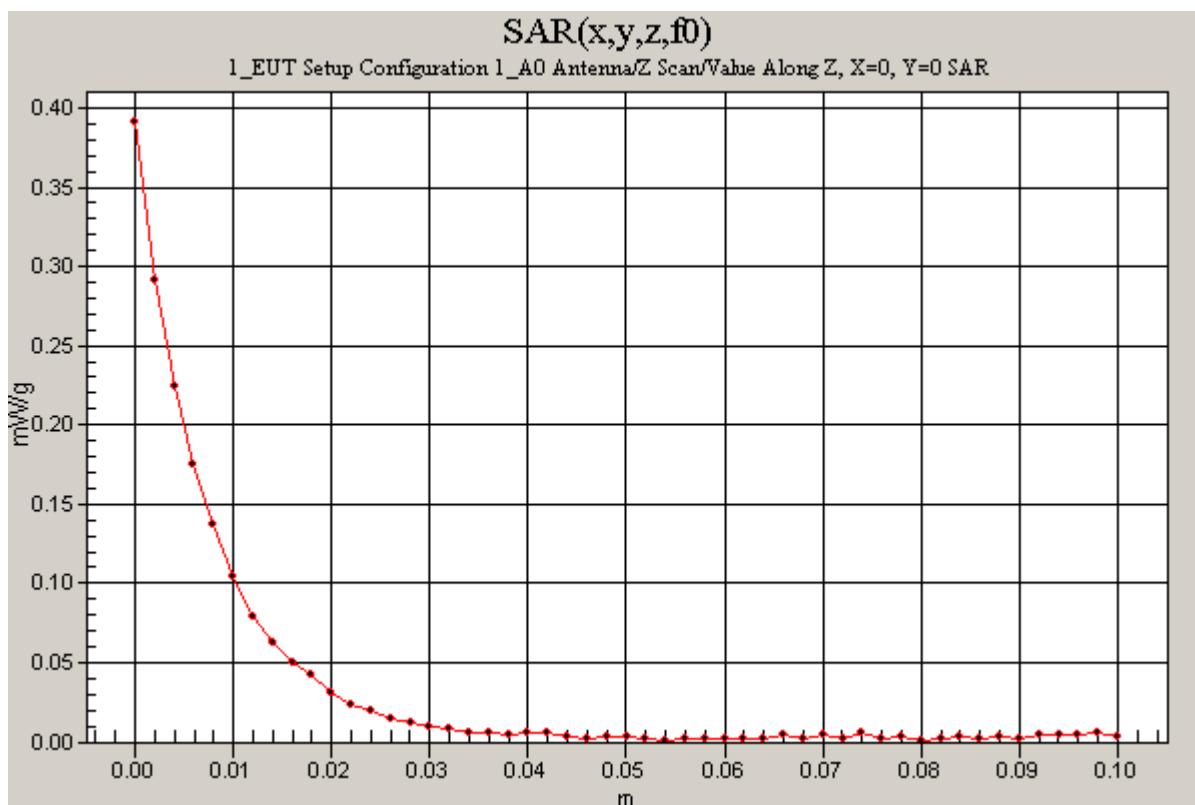
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Middle Ch./Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 2.57 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.391 mW/g



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1_EUT Setup Configuration 1_A0 Antenna

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Ambient temperature = 23.0 deg. C; Liquid temperature = 22.0 deg. C

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

High Ch./Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.49 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.324 mW/g

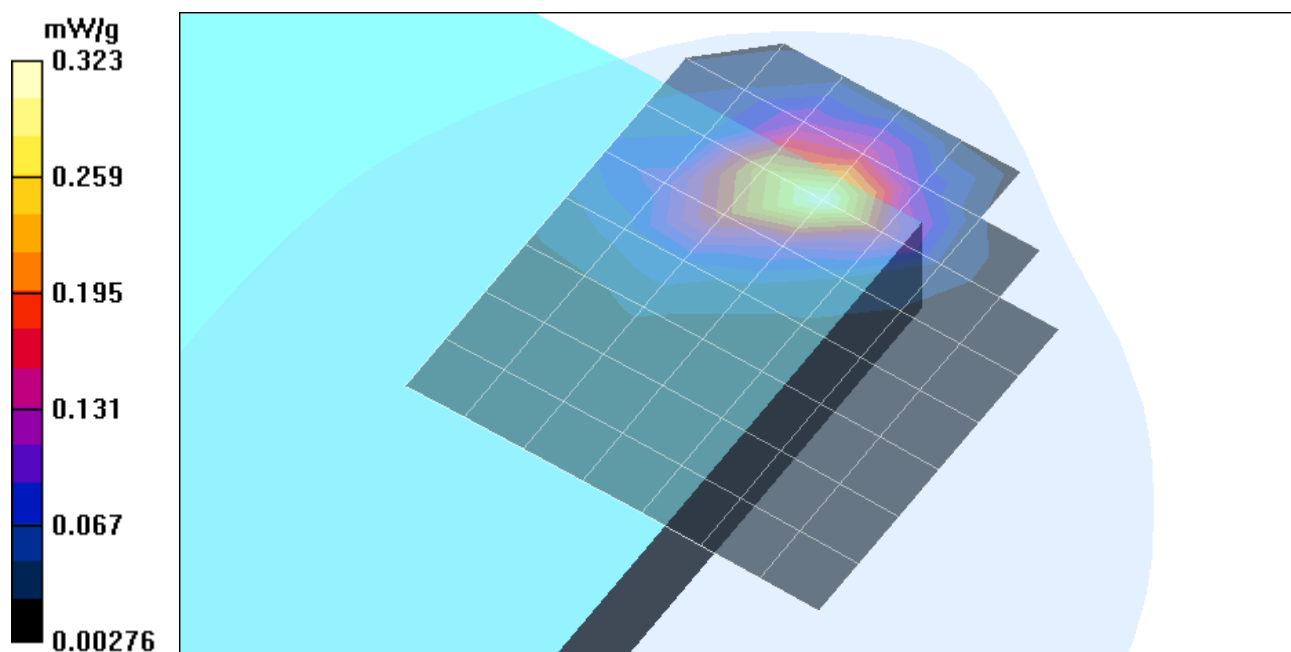
High Ch./Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.49 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.323 mW/g

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.152 mW/g



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2_EUT Setup Configuration 1_A1 antenna

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Ambient temperature = 23.0 deg. C; Liquid temperature = 22.0 deg. C

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Low Ch./Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.54 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.236 mW/g

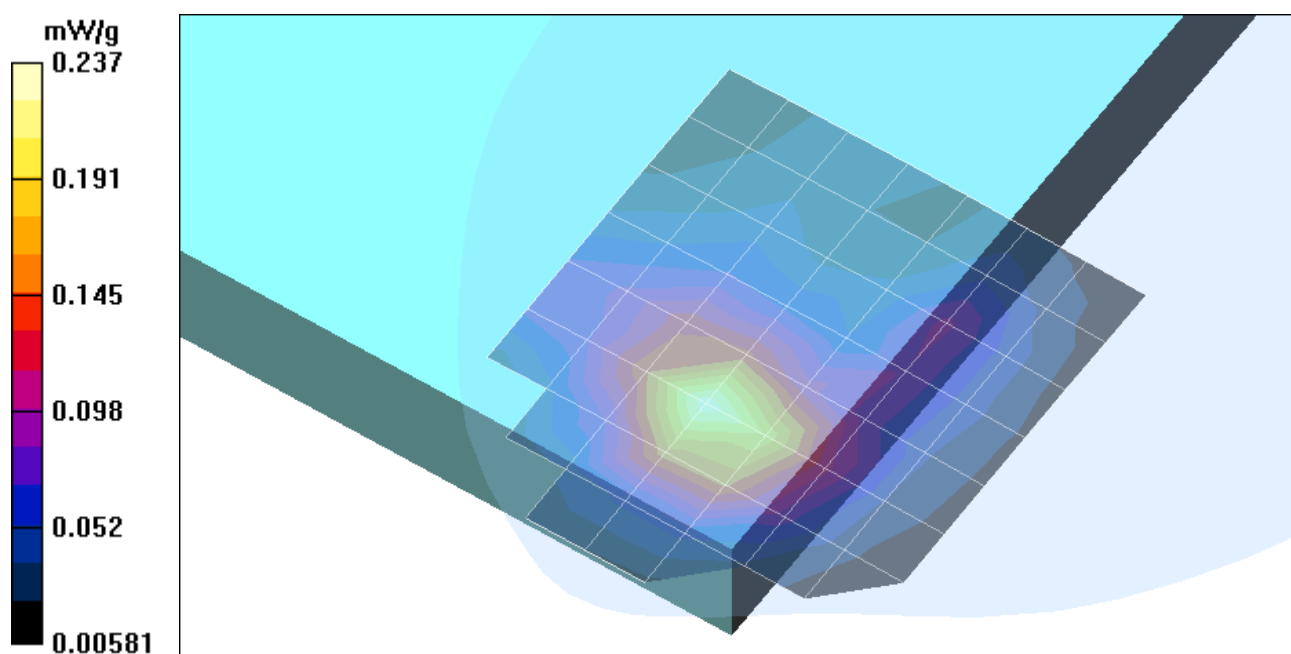
Low Ch./Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.54 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.237 mW/g

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.120 mW/g



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2_EUT Setup Configuration 1_A1 antenna

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Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Middle Ch./Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.87 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.217 mW/g

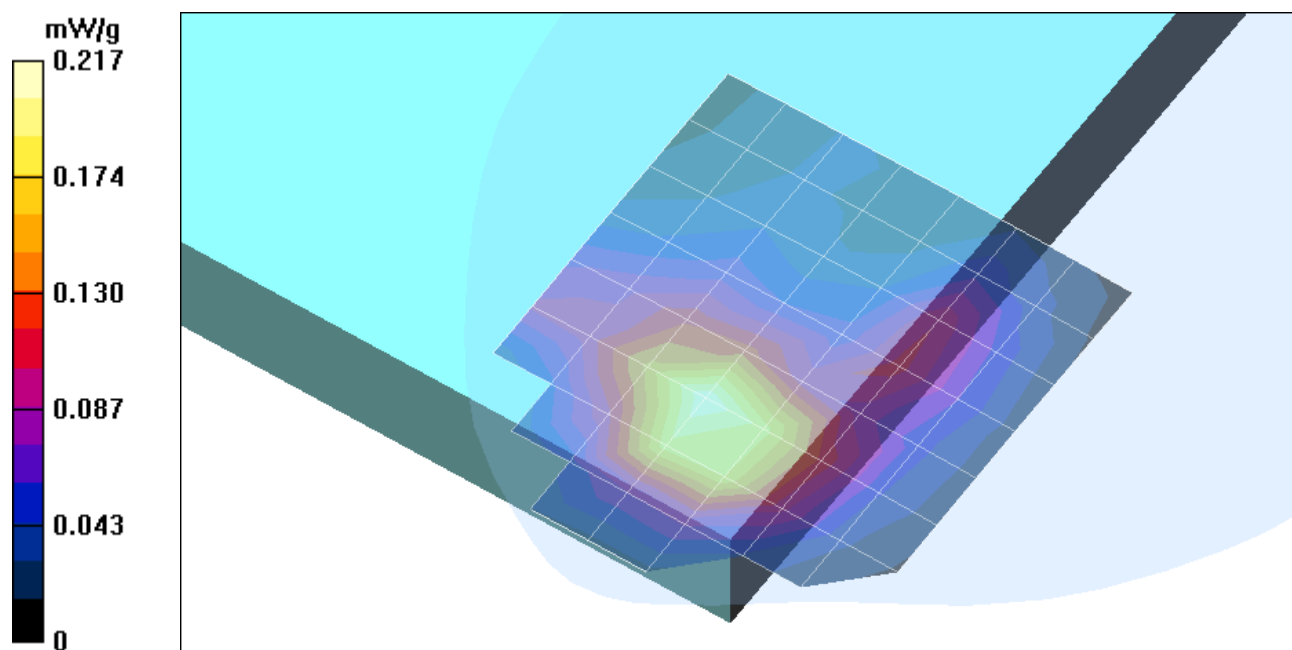
Middle Ch./Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.87 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.237 mW/g

Peak SAR (extrapolated) = 0.387 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.121 mW/g



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Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

High Ch./Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.02 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.244 mW/g

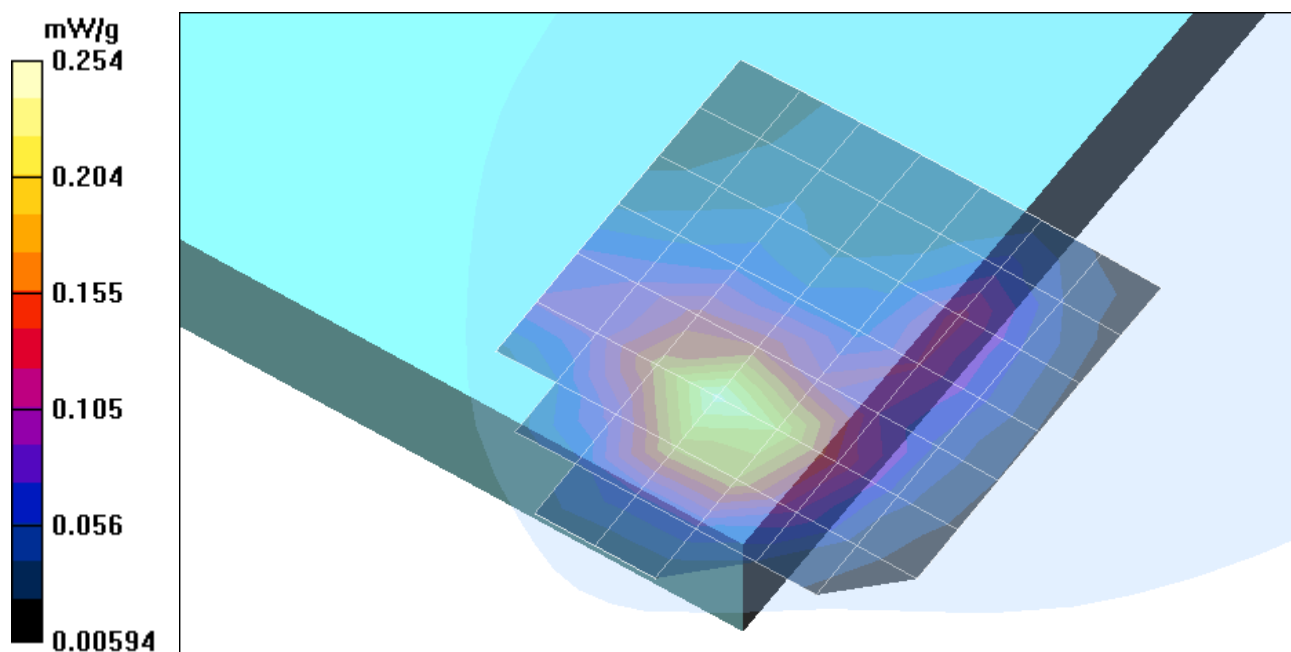
High Ch./Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.02 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.254 mW/g

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.129 mW/g



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2_EUT Setup Configuration 1_A1 antenna

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DASY4 Configuration:

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- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

High Ch./Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 4.02 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.269 mW/g

