

Test Laboratory: Compliance Certification Services

C1-Ant 1

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

Program Name: EUT Setup Configuration 1_Antenna 1

Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4502$ mho/m, $\epsilon_r = 47.5599$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Low/Area Scan (9x10x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 9.94 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.475 mW/g

Low/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

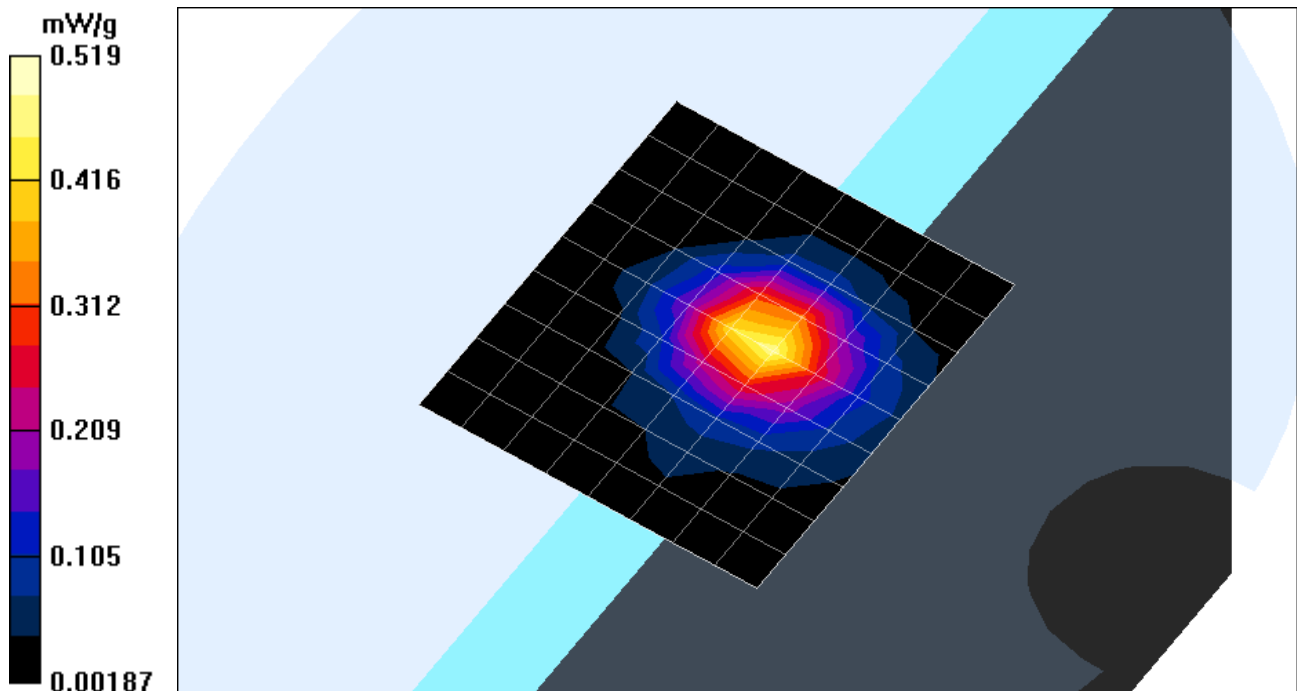
Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.378 mW/g; SAR(10 g) = 0.147 mW/g

Reference Value = 9.94 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.519 mW/g



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C1-Ant 1

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

Program Name: EUT Setup Configuration 1_Antenna 1

Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C

Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4502$ mho/m, $\epsilon_r = 47.5599$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Middle/Area Scan (8x10x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.1 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.676 mW/g

Middle/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

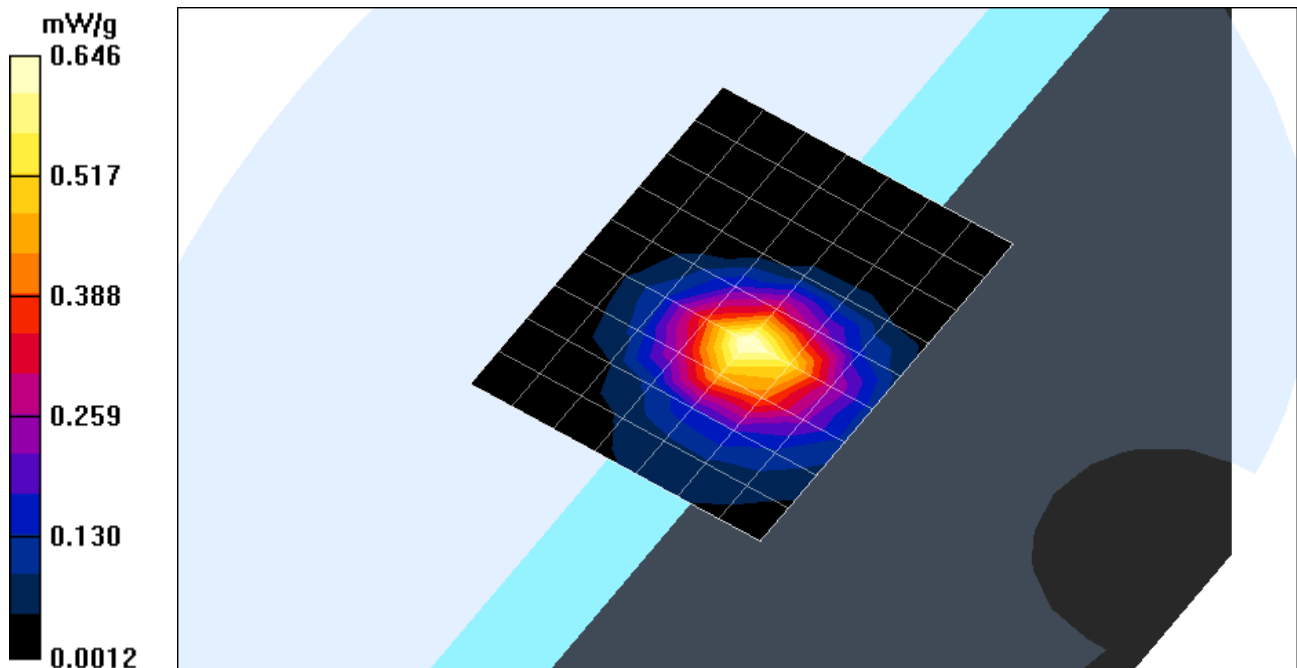
Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.189 mW/g

Reference Value = 10.1 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.646 mW/g



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C1-Ant 1

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

DASY4 Configuration:

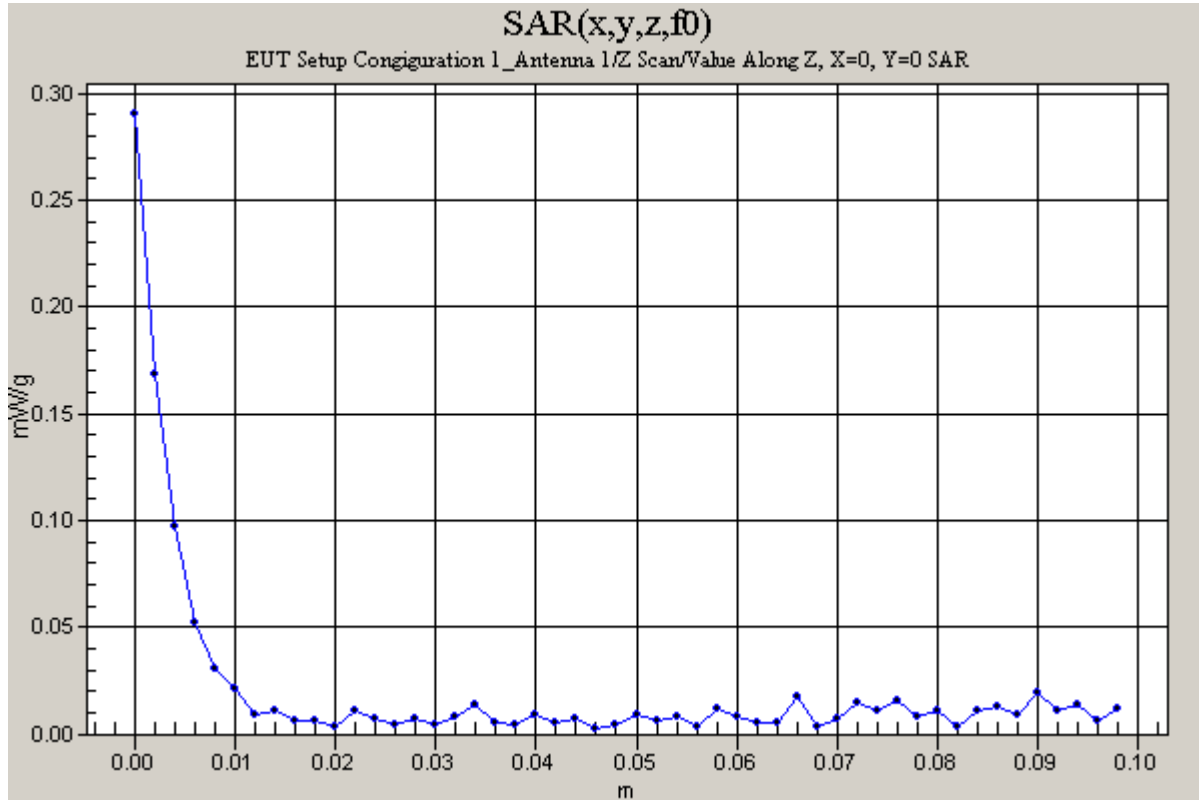
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 10.1 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.291 mW/g



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C1-Ant 1

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

Program Name: EUT Setup Configuration 1_Antenna 1

Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4502$ mho/m, $\epsilon_r = 47.5599$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

High/Area Scan (8x10x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.2 V/m

Power Drift = -0.16 dB

Maximum value of SAR = 0.626 mW/g

High/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

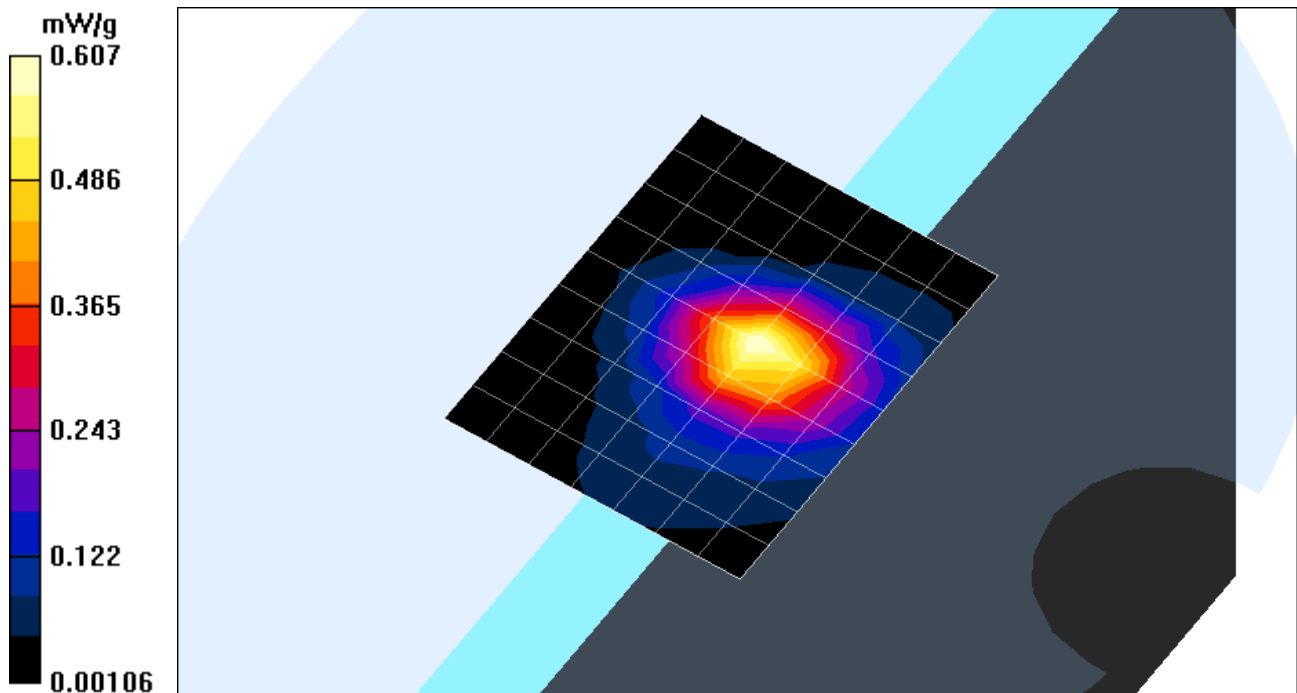
Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.181 mW/g

Reference Value = 11.2 V/m

Power Drift = -0.16 dB

Maximum value of SAR = 0.607 mW/g



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C2-Ant 2

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

Program Name: EUT Setup Configuration 2_Antenna 2

Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C

Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4502$ mho/m, $\epsilon_r = 47.5599$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

High/Area Scan (8x10x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.79 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.412 mW/g

High/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

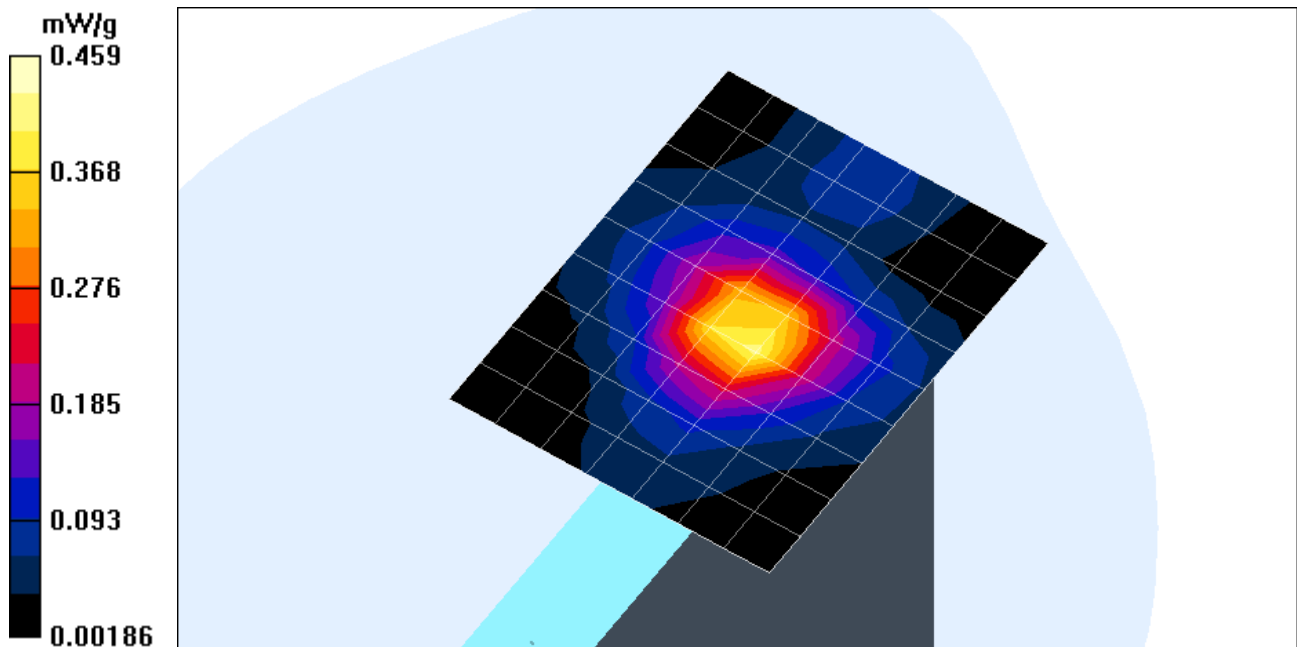
Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.134 mW/g

Reference Value = 2.79 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.459 mW/g



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C2-Ant 2

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

DASY4 Configuration:

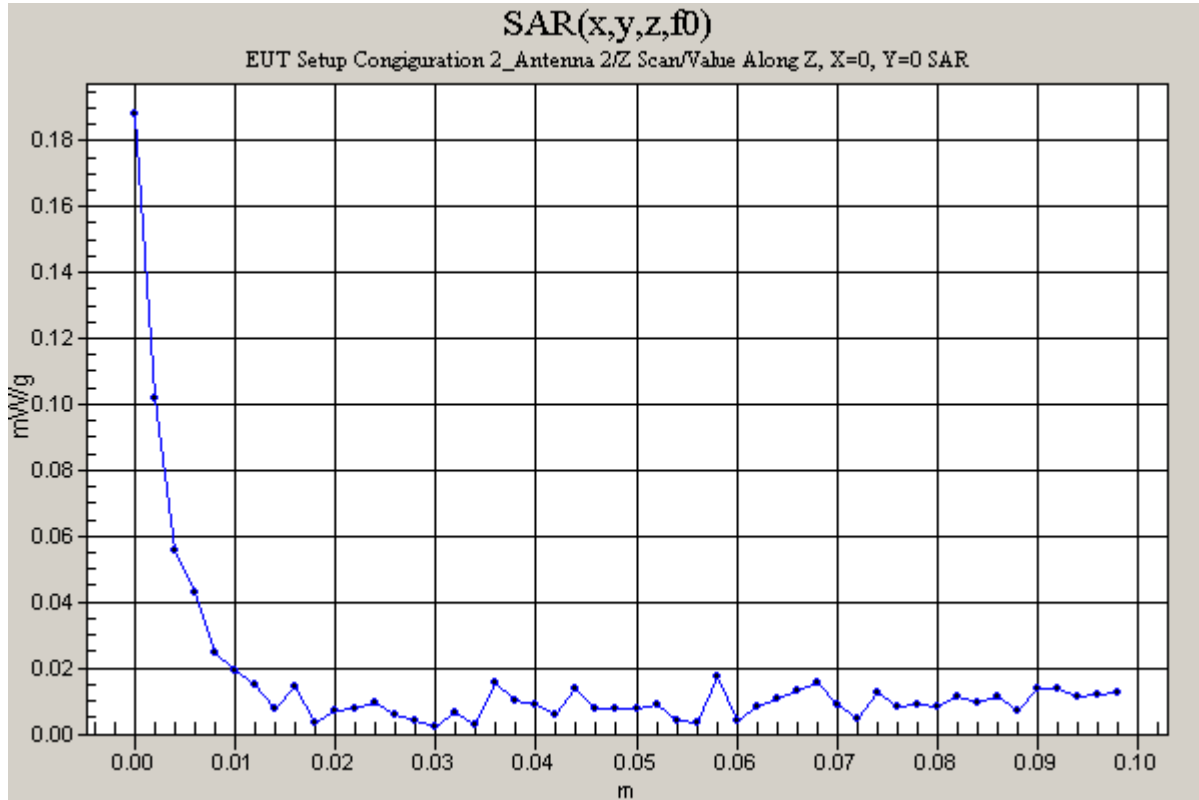
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 2.79 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.188 mW/g



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C3-Ant 1

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

Program Name: EUT Setup Configuration 3_Antenna 1

Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C

Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4502$ mho/m, $\epsilon_r = 47.5599$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Middle/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.97 V/m

Power Drift = -0.19 dB

Maximum value of SAR = 0.180 mW/g

Middle/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

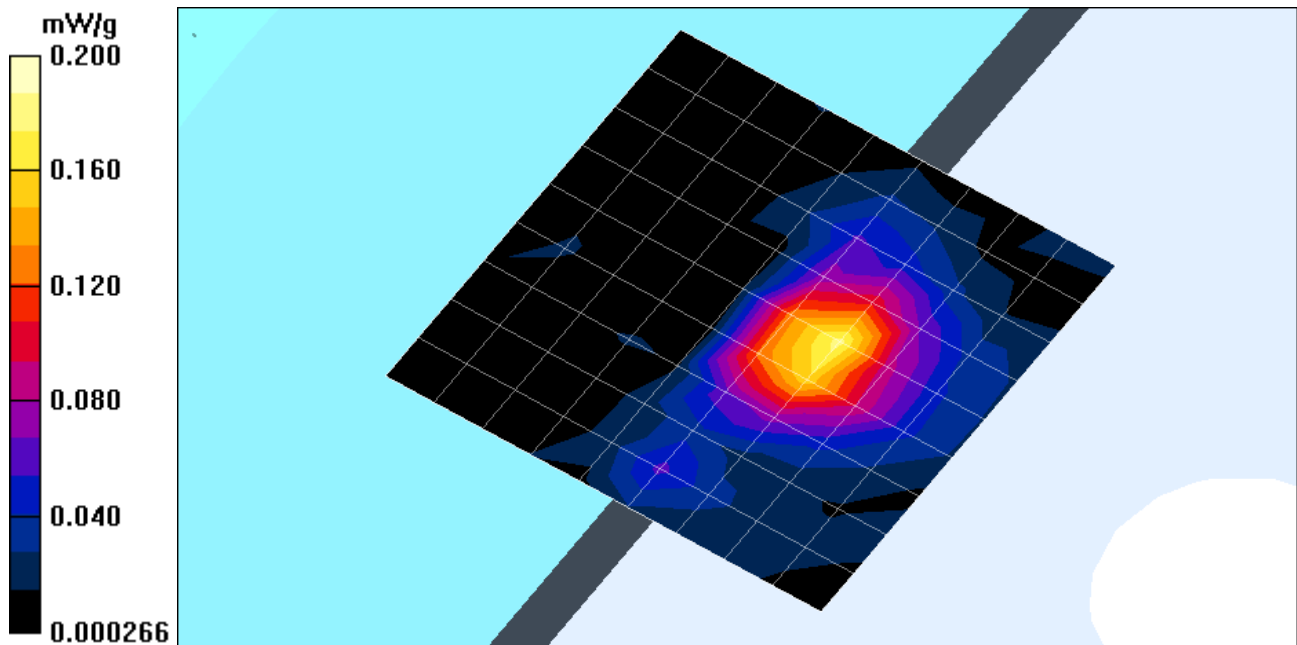
Peak SAR (extrapolated) = 0.680 W/kg

SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.059 mW/g

Reference Value = 2.97 V/m

Power Drift = -0.19 dB

Maximum value of SAR = 0.200 mW/g



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C3-Ant 1

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

DASY4 Configuration:

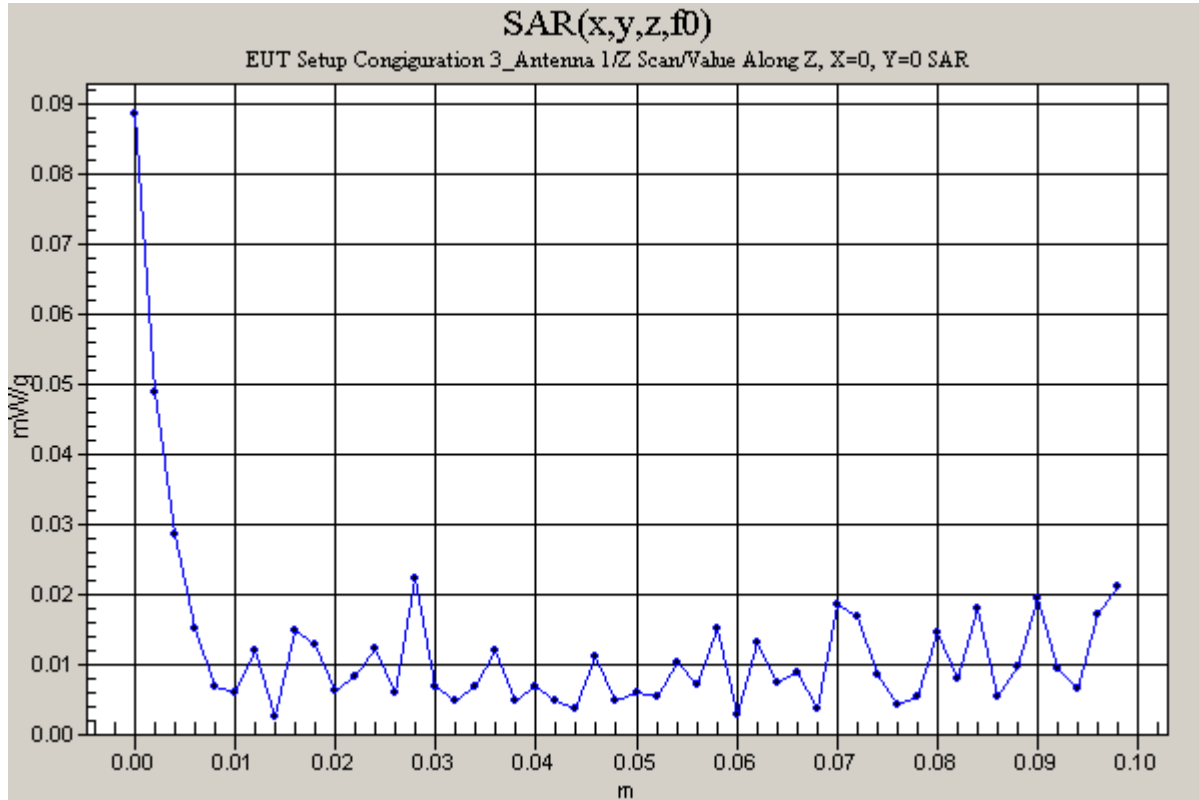
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 2.97 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.089 mW/g



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C4-Ant 2

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

Program Name: EUT Setup Configuration 4_Antenna 2

Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C

Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4502$ mho/m, $\epsilon_r = 47.5599$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Middle/Area Scan (10x11x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.75 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.251 mW/g

Middle/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

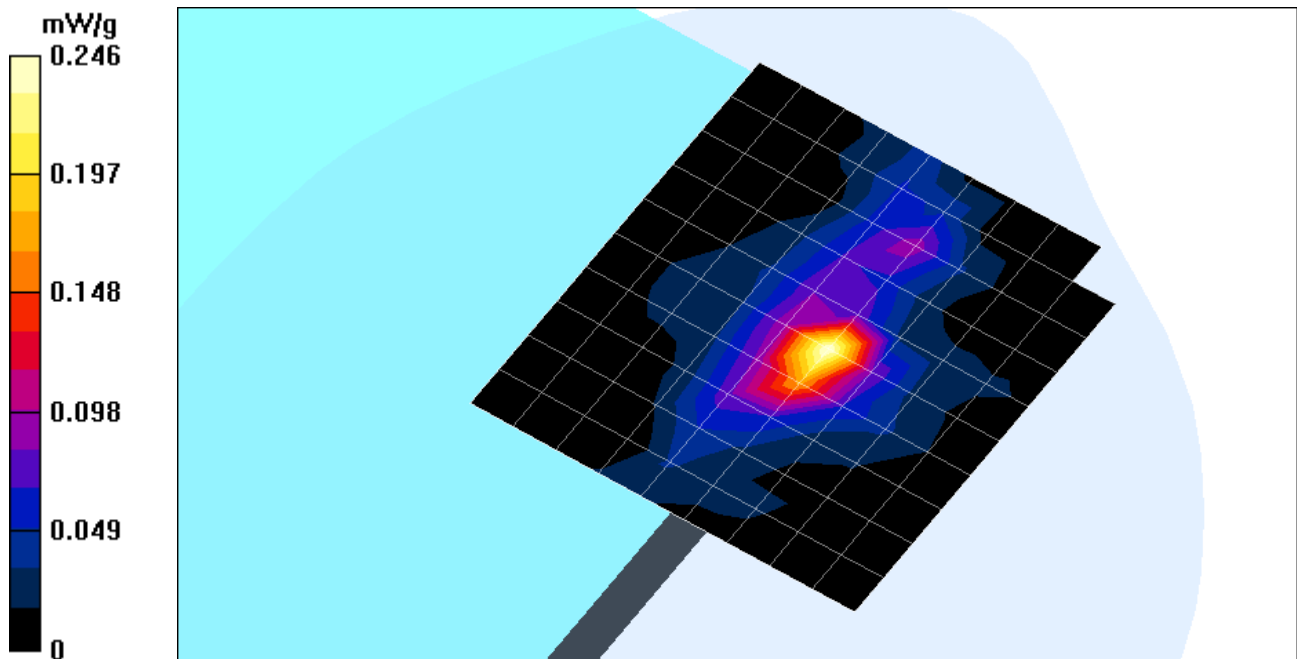
Peak SAR (extrapolated) = 0.804 W/kg

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.061 mW/g

Reference Value = 1.75 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.246 mW/g



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C4-Ant 2

DUT: Tatung Co.; Type: TTAB-B12D; Serial: N/A

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 1.75 V/m

Power Drift = -0.18 dB

Maximum value of SAR = 0.099 mW/g

