

Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna 1

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

Program Name: EUT Setup Configuration 1

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

Communication System: IEEE802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.515$ mho/m, $\epsilon_r = 50.5109$, $\rho = 1000$ 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

5180MHz/Area Scan (10x19x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.98 V/m

Power Drift = 0.11 dB

Maximum value of SAR = 0.495 mW/g

5180MHz/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

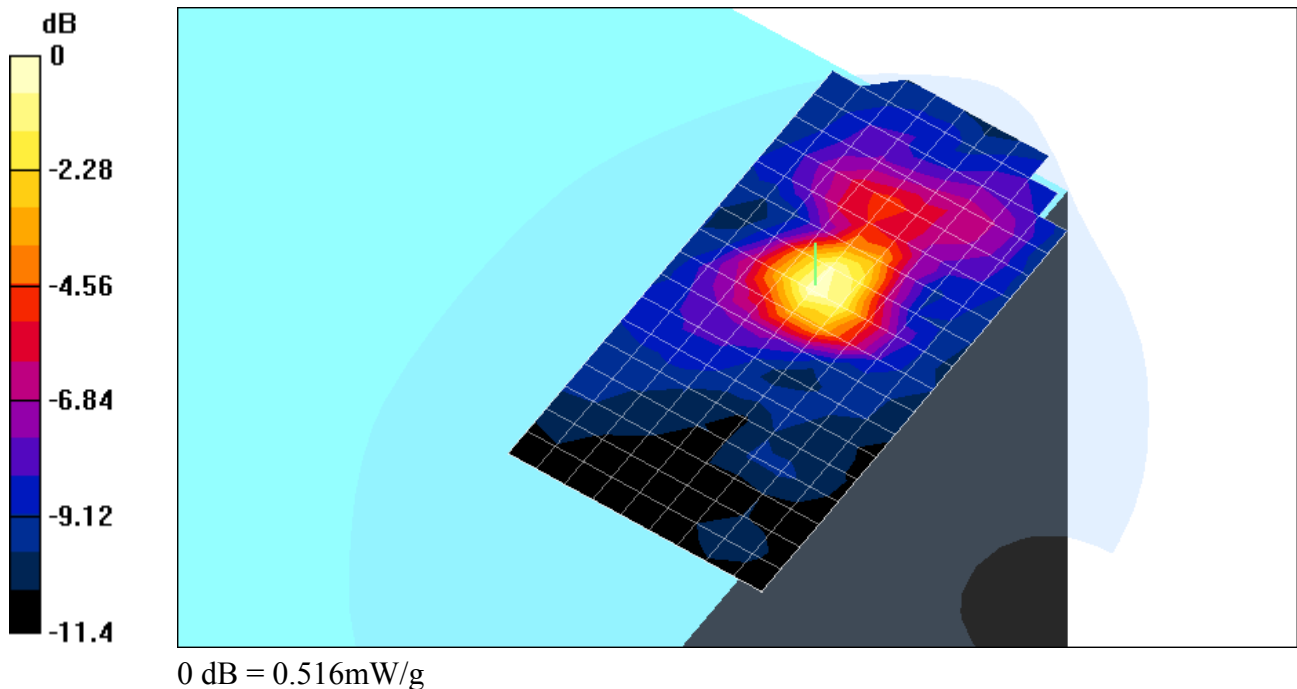
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.186 mW/g

Reference Value = 2.98 V/m

Power Drift = 0.11 dB

Maximum value of SAR = 0.516 mW/g



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EUT Setup Configuration 1_Antenna 1

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

Program Name: EUT Setup Configuration 1

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

Communication System: IEEE802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.515$ mho/m, $\epsilon_r = 50.5109$, $\rho = 1000$ 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

5260MHz/Area Scan (10x17x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.97 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.380 mW/g

5260MHz/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

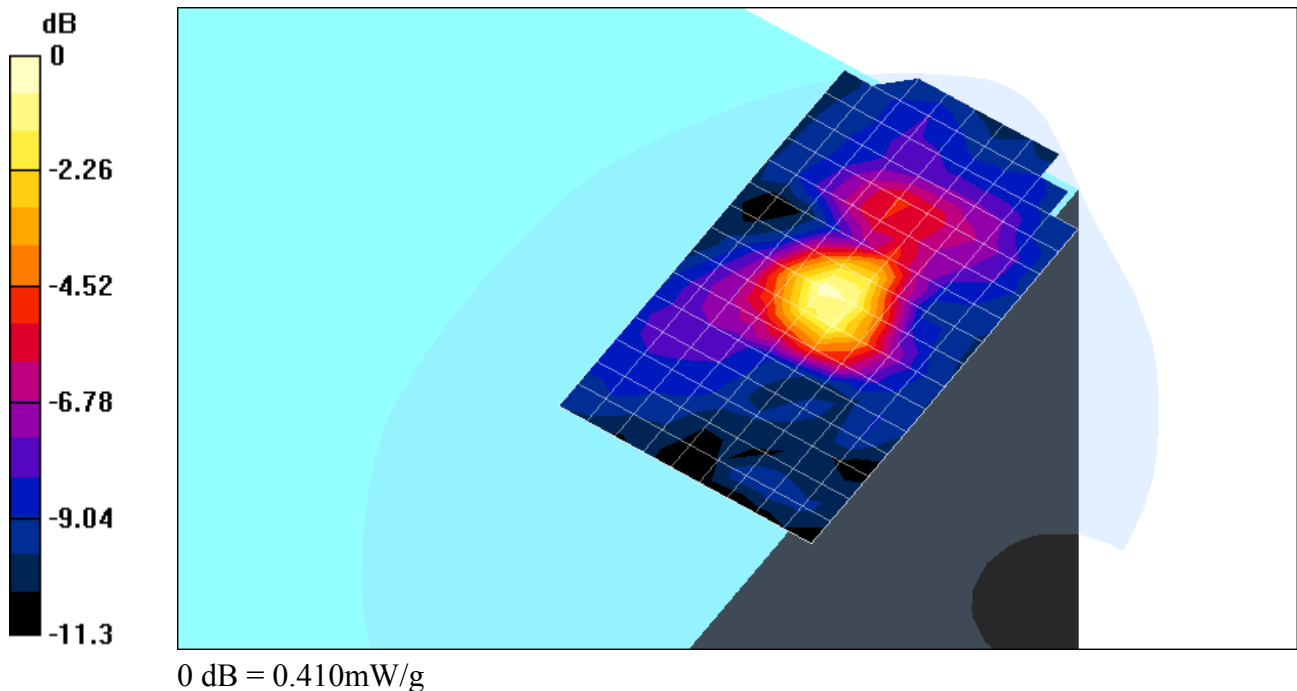
Peak SAR (extrapolated) = 0.913 W/kg

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.148 mW/g

Reference Value = 2.97 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.410 mW/g



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EUT Setup Configuration 1_Antenna 1

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

Program Name: EUT Setup Configuration 1

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

Communication System: IEEE802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.515$ mho/m, $\epsilon_r = 50.5109$, $\rho = 1000$ 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

5320MHz/Area Scan (10x17x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 3.21 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.562 mW/g

5320MHz/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

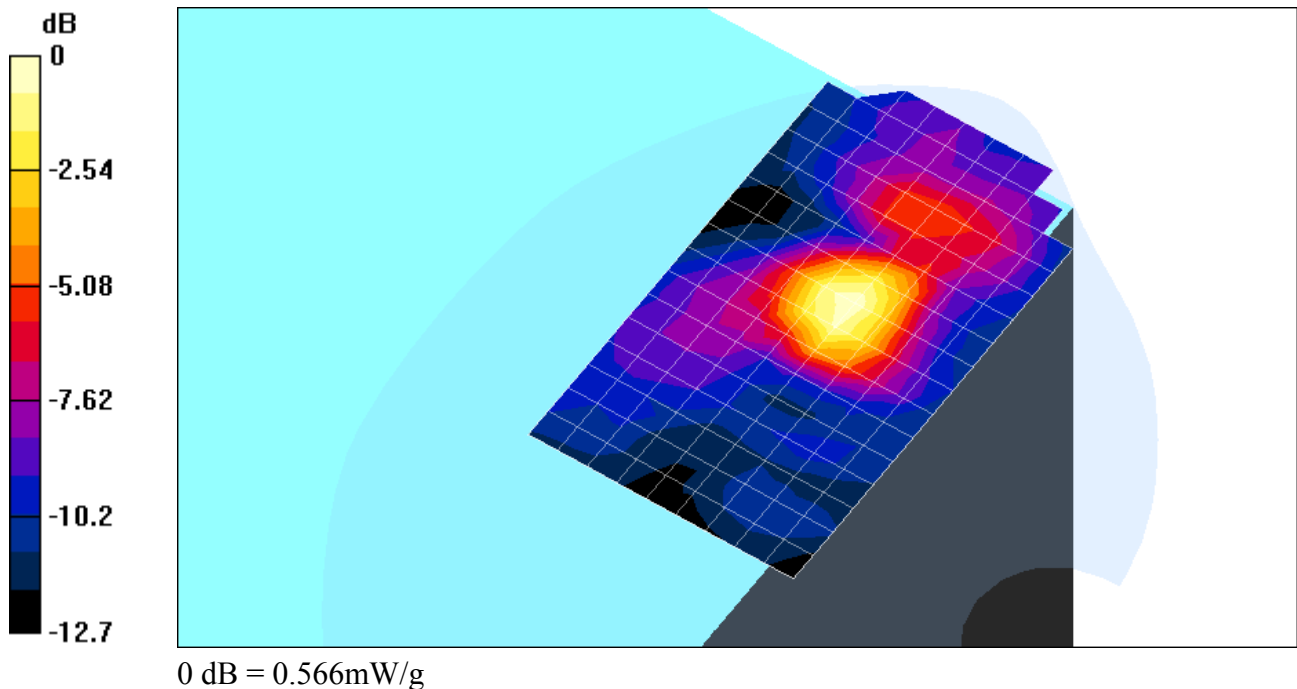
Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.194 mW/g

Reference Value = 3.21 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.566 mW/g



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EUT Setup Configuration 1_Antenna 1

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

DASY4 Configuration:

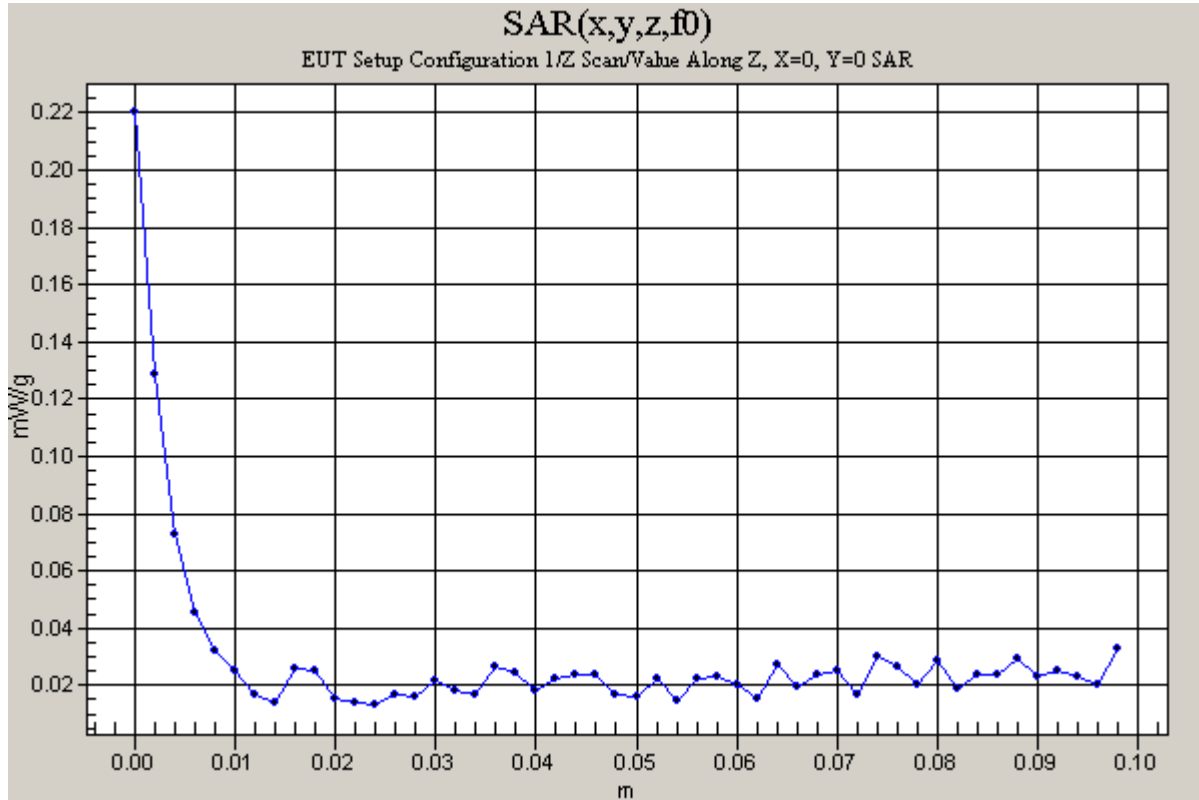
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

5320MHz/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 3.21 V/m

Power Drift = -0.14 dB

Maximum value of SAR = 0.220 mW/g



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EUT Setup Configuration 2_Antenna 2

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

Program Name: EUT Setup Configuration 1_Antenna 2

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

Communication System: IEEE802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.515$ mho/m, $\epsilon_r = 50.5109$, $\rho = 1000$ 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

5180MHz/Area Scan (10x17x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.19 V/m

Power Drift = -0.003 dB

Maximum value of SAR = 0.350 mW/g

5180MHz/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

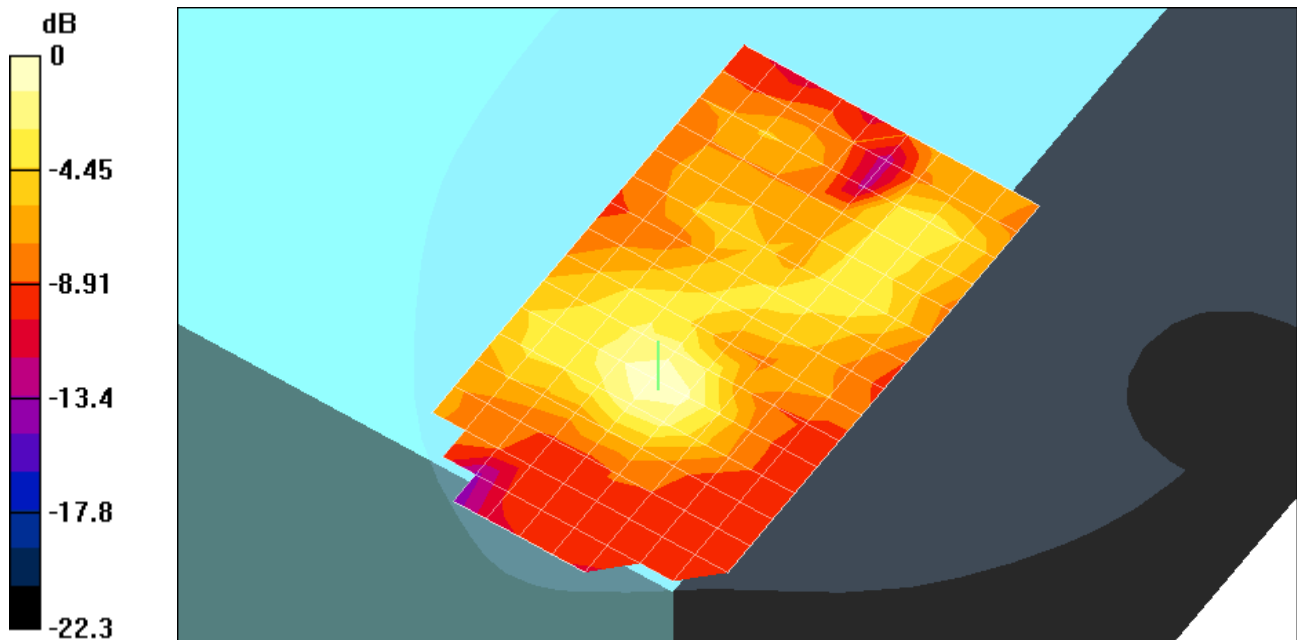
Peak SAR (extrapolated) = 0.830 W/kg

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.125 mW/g

Reference Value = 5.19 V/m

Power Drift = -0.003 dB

Maximum value of SAR = 0.348 mW/g



0 dB = 0.348mW/g

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EUT Setup Configuration 2_Antenna 2

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

Program Name: EUT Setup Configuration 1_Antenna 2

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

Communication System: IEEE802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.515$ mho/m, $\epsilon_r = 50.5109$, $\rho = 1000$ 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

5260MHz/Area Scan (10x17x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.27 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.351 mW/g

5260MHz/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

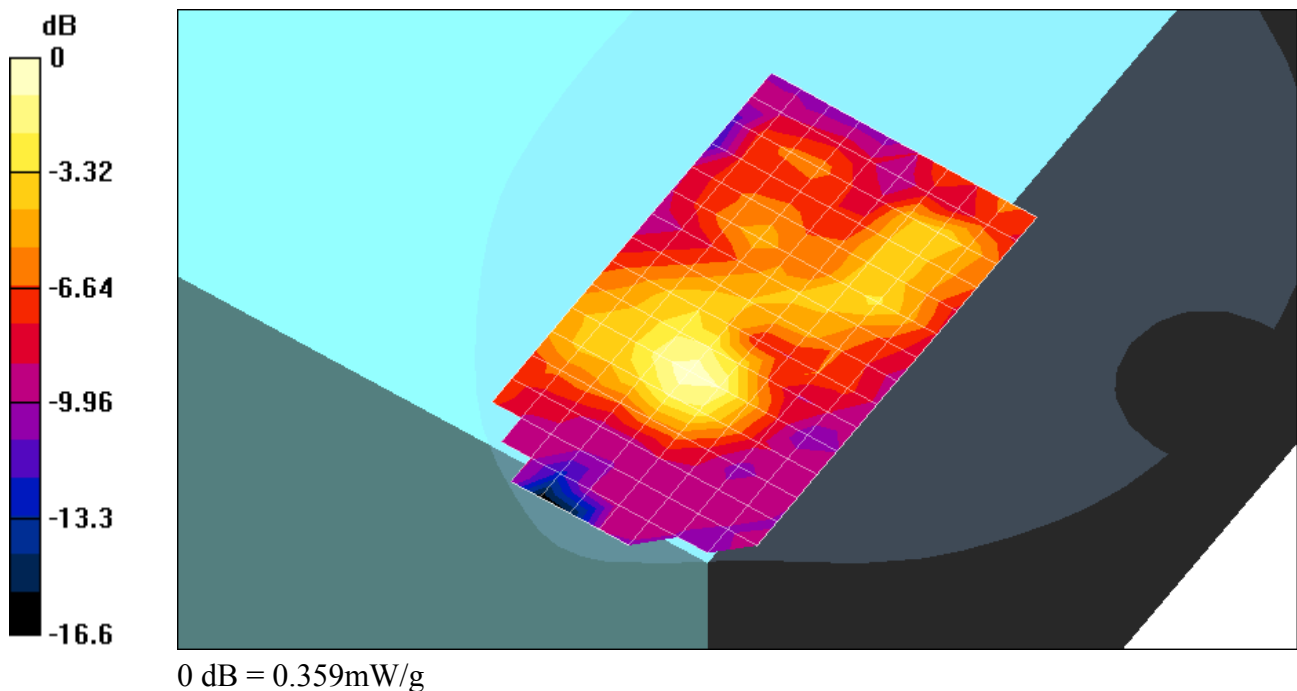
Peak SAR (extrapolated) = 0.797 W/kg

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.130 mW/g

Reference Value = 5.27 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.359 mW/g



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EUT Setup Configuration 2_Antenna 2

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

Program Name: EUT Setup Configuration 1_Antenna 2

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

Communication System: IEEE802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.515$ mho/m, $\epsilon_r = 50.5109$, $\rho = 1000$ 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

5320MHz/Area Scan (10x17x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.28 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.387 mW/g

5320MHz/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

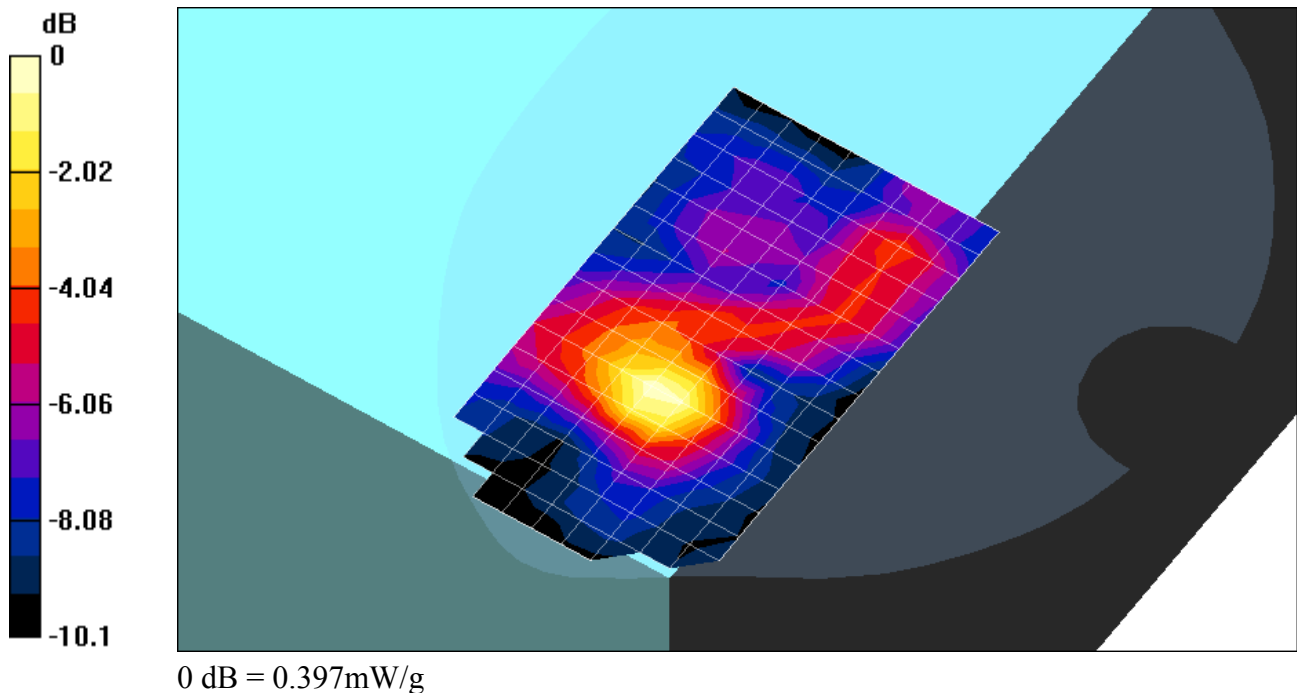
Peak SAR (extrapolated) = 0.753 W/kg

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.146 mW/g

Reference Value = 5.28 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.397 mW/g



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EUT Setup Configuration 2_Antenna 2

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

DASY4 Configuration:

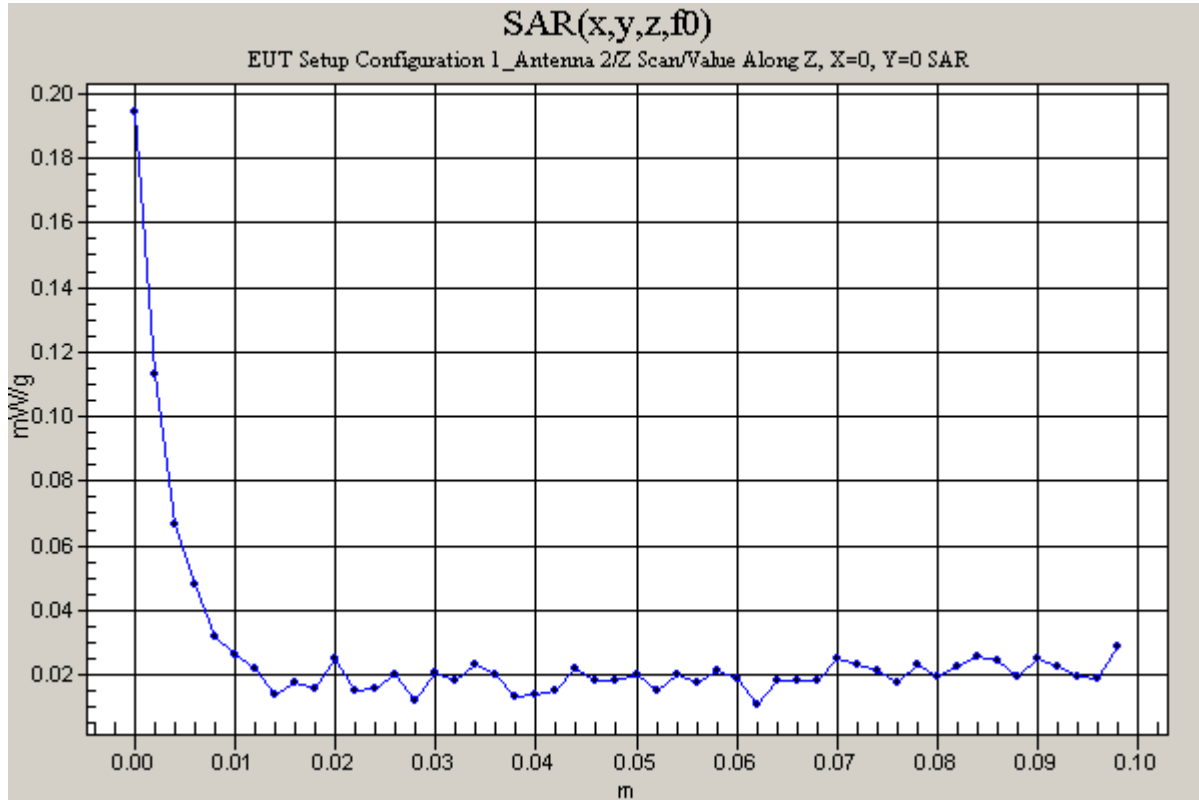
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

5320MHz/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 5.28 V/m

Power Drift = -0.11 dB

Maximum value of SAR = 0.194 mW/g



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EUT Setup Configuration 3 _Antenna 1

DUT: Compal Electronics, Inc.; Type: CL32; 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: IEEE802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.515$ mho/m, $\epsilon_r = 50.5109$, $\rho = 1000$ 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

5260MHz/Area Scan (11x17x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.51 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.105 mW/g

5260MHz/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

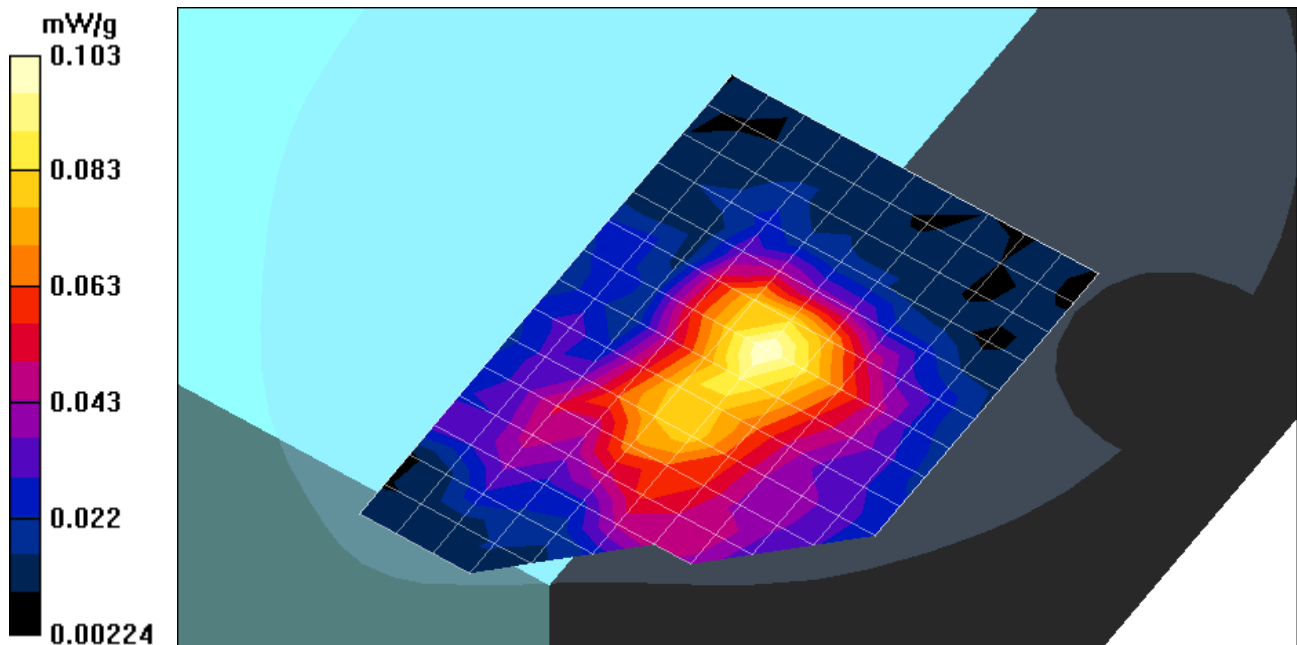
Peak SAR (extrapolated) = 0.288 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.036 mW/g

Reference Value = 1.51 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.103 mW/g



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EUT Setup Configuration 3 _Antenna 1

DUT: Compal Electronics, Inc.; Type: CL32; Serial: N/A

DASY4 Configuration:

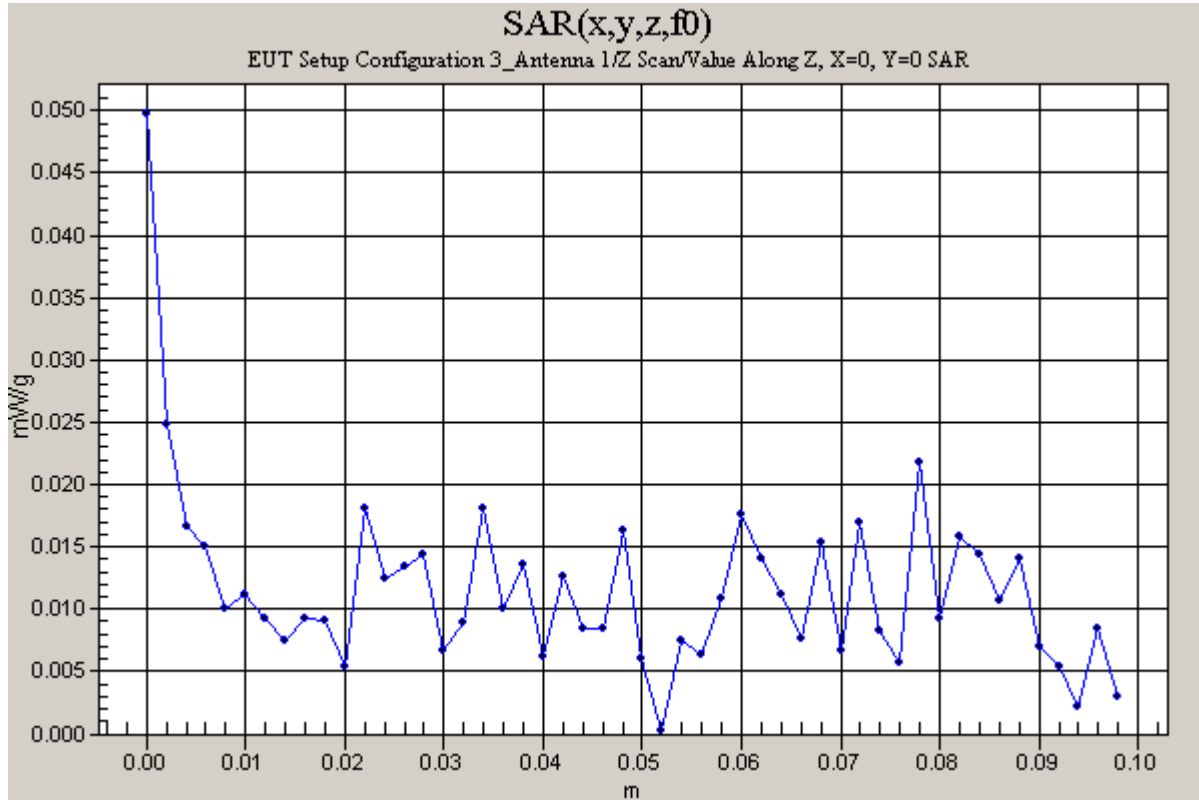
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

5260MHz/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 1.51 V/m

Power Drift = 0.16 dB

Maximum value of SAR = 0.050 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 4 _Antenna 2

DUT: Compal Electronics, Inc.; Type: CL32; 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: IEEE802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.515$ mho/m, $\epsilon_r = 50.5109$, $\rho = 1000$ 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

5260MHz/Area Scan (11x17x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.24 V/m

Power Drift = 0.15 dB

Maximum value of SAR = 0.132 mW/g

5260MHz/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

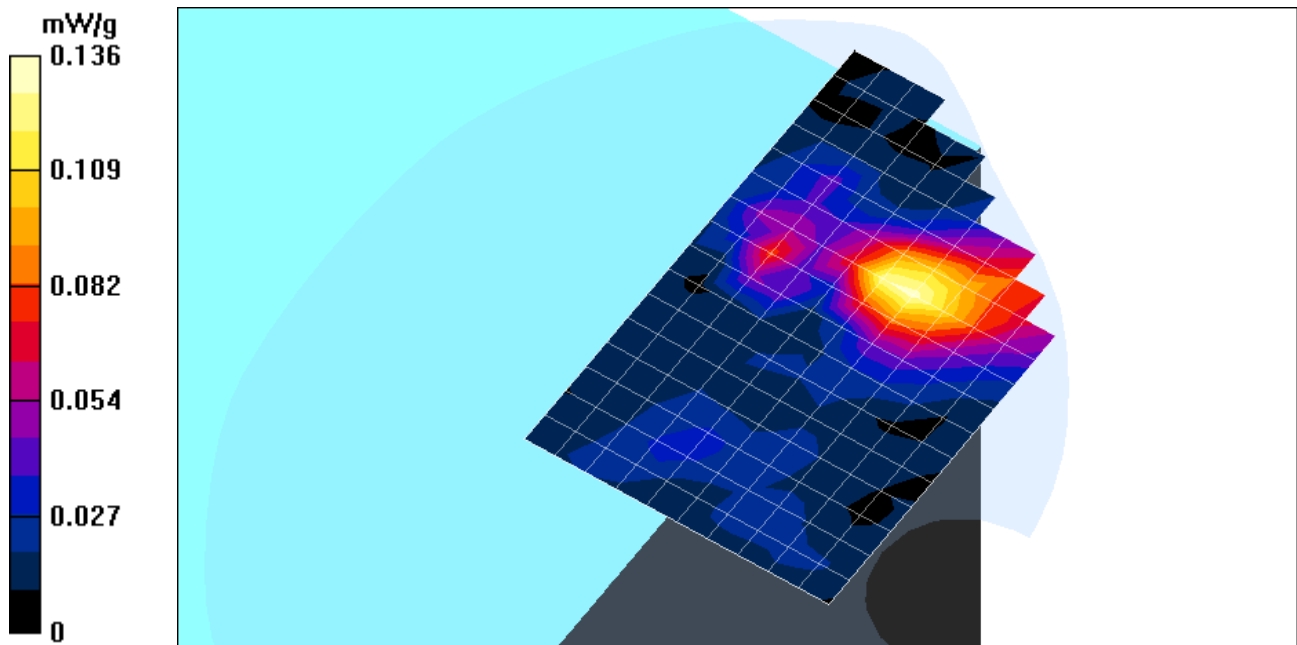
Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.050 mW/g

Reference Value = 1.24 V/m

Power Drift = 0.15 dB

Maximum value of SAR = 0.136 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 4 _Antenna 2

DUT: Compal Electronics, Inc.; Type: CL32; 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

5260MHz/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 1.24 V/m

Power Drift = 0.15 dB

Maximum value of SAR = 0.062 mW/g

