

Test Laboratory: The name of your organization

## D5GHzV2\_M5200\_032304

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

**Ambient temperature = 25.0 deg. C; Liquid temperature = 24.0 deg. C**

Communication System: CW 5200MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.43$  mho/m;  $\epsilon_r = 49.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DAS4, V4.2 Build 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 89.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 23.9 mW/g

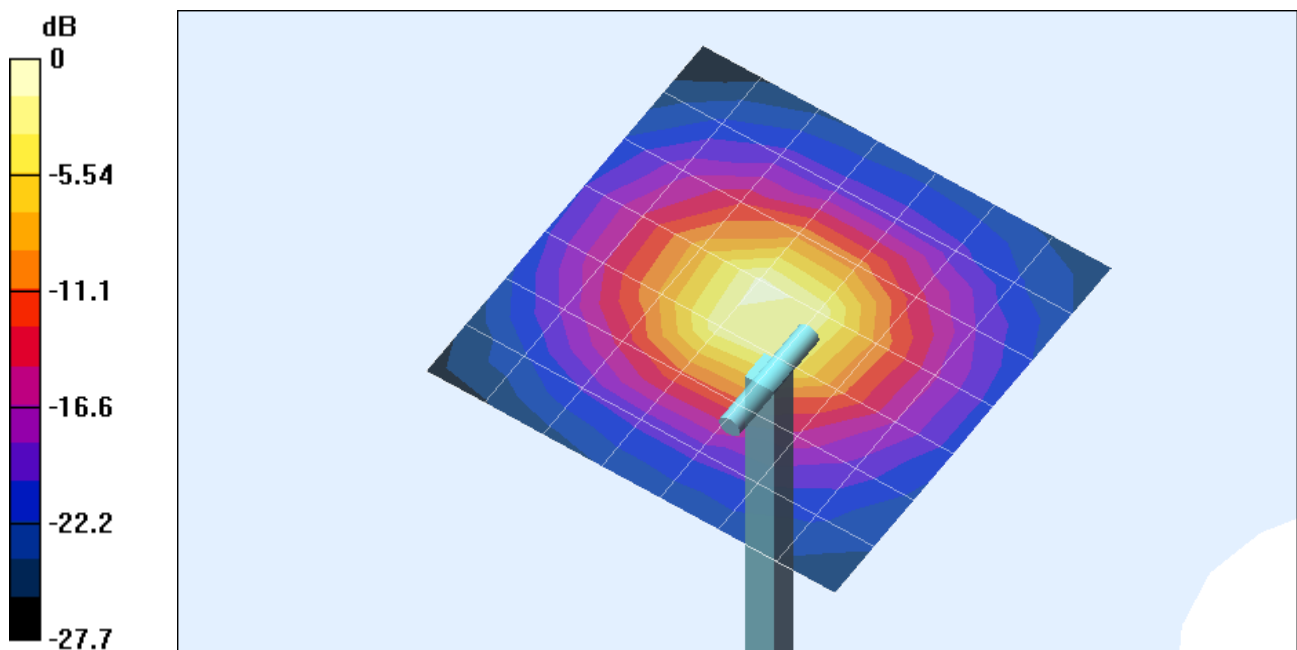
**d=10mm, Pin=250mW/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 89.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 33 mW/g

Peak SAR (extrapolated) = 89.6 W/kg

**SAR(1 g) = 23.4 mW/g; SAR(10 g) = 6.61 mW/g**



0 dB = 33mW/g

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**D5GHzV2\_M5200\_032304**

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

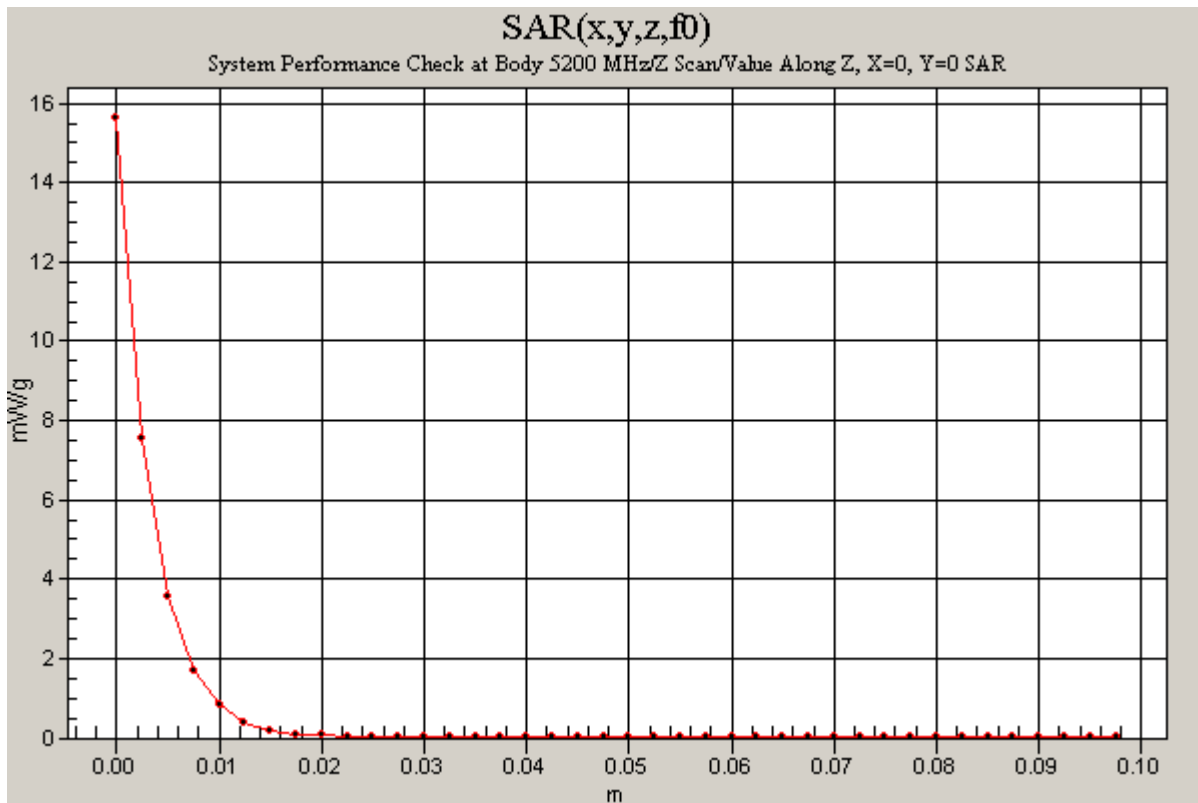
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); 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 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Reference Value = 89.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 15.6 mW/g



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## D5GHzV2\_M5200\_032404

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

**Ambient temperature = 25.0 deg. C; Liquid temperature = 24.0 deg. C**

Communication System: CW 5200MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.42$  mho/m;  $\epsilon_r = 48.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DAS4, V4.2 Build 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 87.2 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 25.2 mW/g

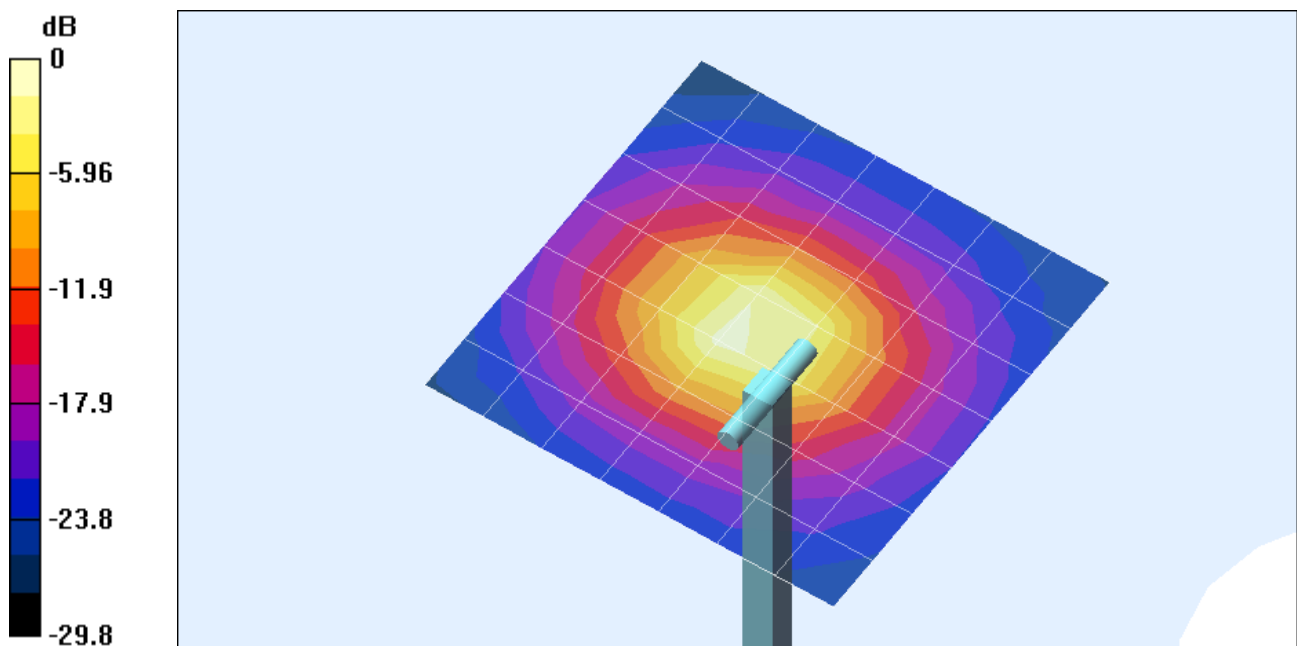
**d=10mm, Pin=250mW/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 87.2 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 33.1 mW/g

Peak SAR (extrapolated) = 82.1 W/kg

**SAR(1 g) = 22.6 mW/g; SAR(10 g) = 6.41 mW/g**



0 dB = 33.1mW/g

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## D5GHzV2\_M5200\_032404

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

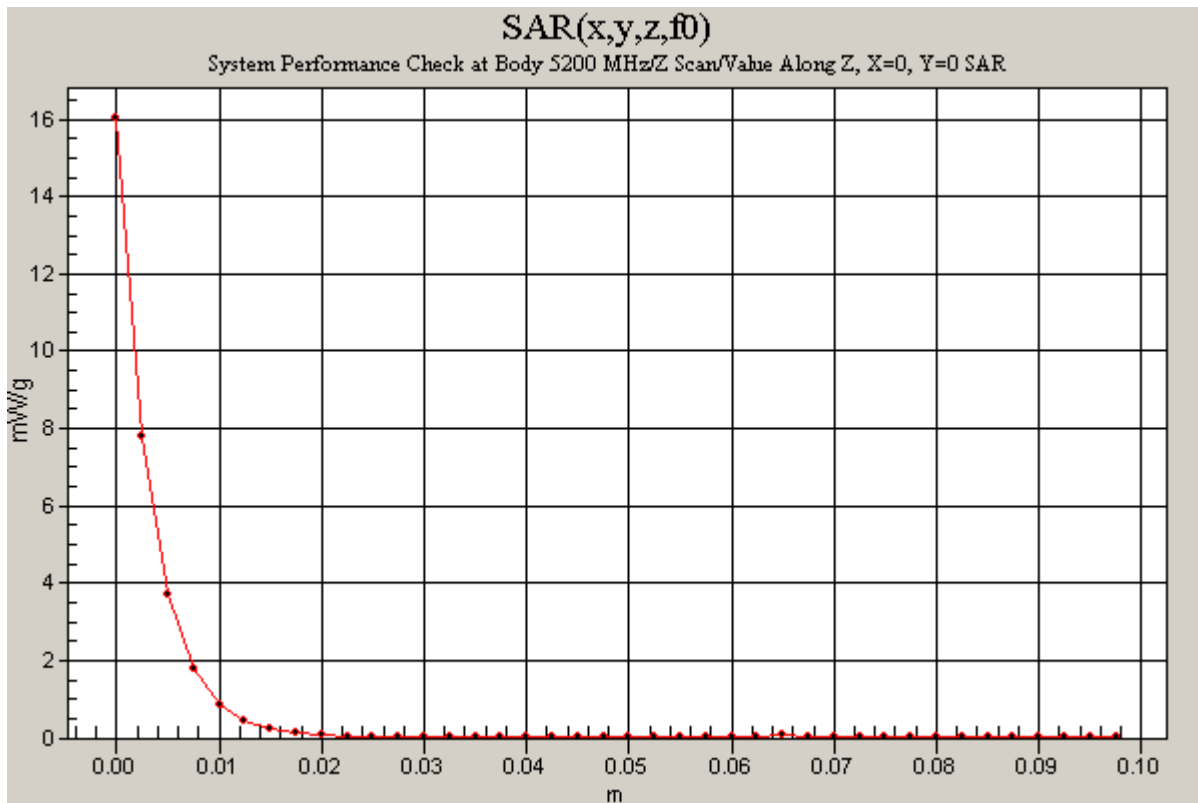
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); 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 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Reference Value = 87.2 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 16 mW/g



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## D5GHzV2\_M5800\_032404

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

**Ambient temperature = 25.0 deg. C; Liquid temperature = 24.0 deg. C**

Communication System: CW 5800MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.28$  mho/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DAS4, V4.2 Build 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 84 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 22.7 mW/g

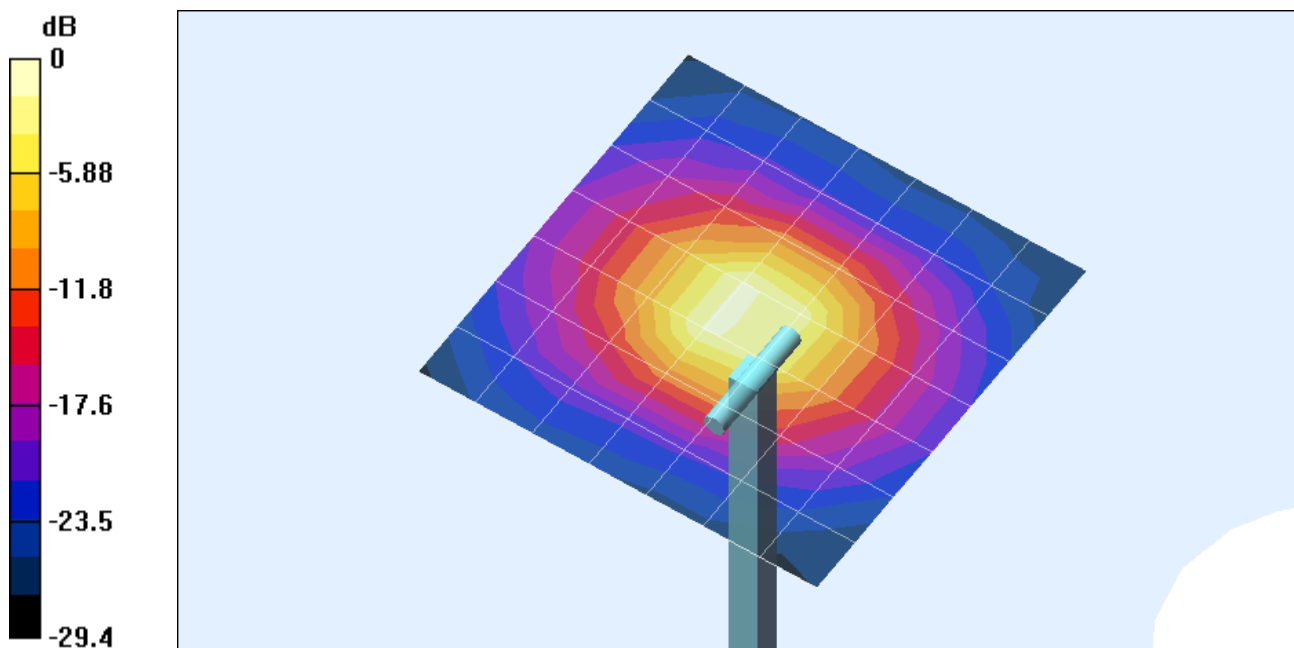
**d=10mm, Pin=250mW/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 84 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 33.1 mW/g

Peak SAR (extrapolated) = 95.1 W/kg

**SAR(1 g) = 23.2 mW/g; SAR(10 g) = 6.51 mW/g**



0 dB = 33.1mW/g

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## D5GHzV2\_M5800\_032504

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

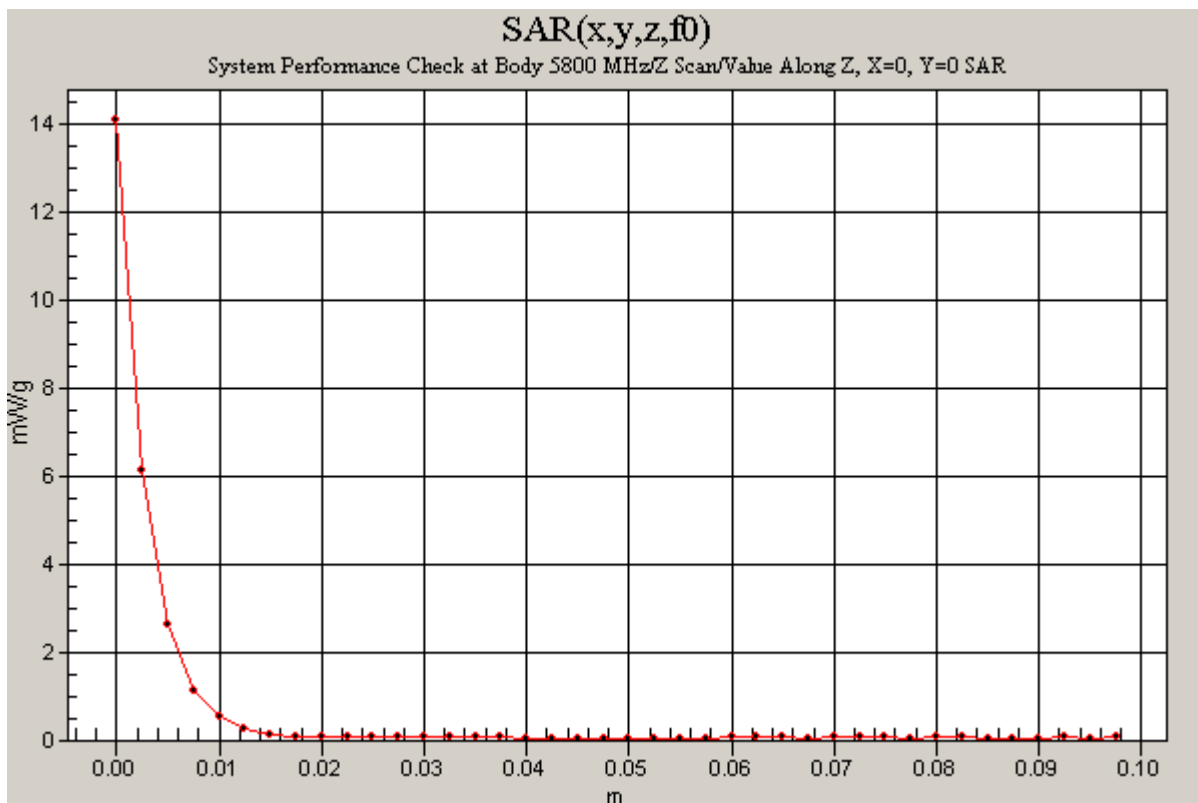
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); 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 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Reference Value = 84 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 14.1 mW/g



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## D5GHzV2\_M5800\_032504

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

**Ambient temperature = 25.0 deg. C; Liquid temperature = 24.0 deg. C**

Communication System: CW 5800MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 85.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 23.6 mW/g

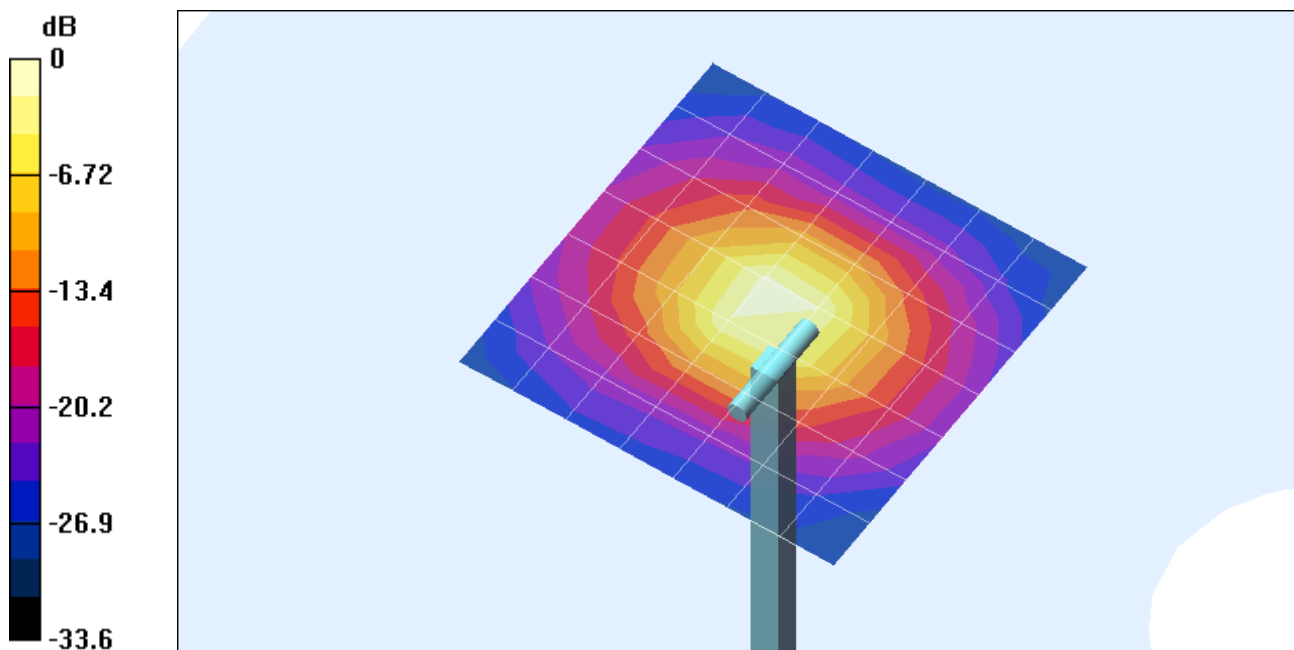
**d=10mm, Pin=250mW/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 85.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 34.5 mW/g

Peak SAR (extrapolated) = 96.1 W/kg

**SAR(1 g) = 23 mW/g; SAR(10 g) = 6.45 mW/g**



0 dB = 34.5mW/g

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## D5GHzV2\_M5800\_032504

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

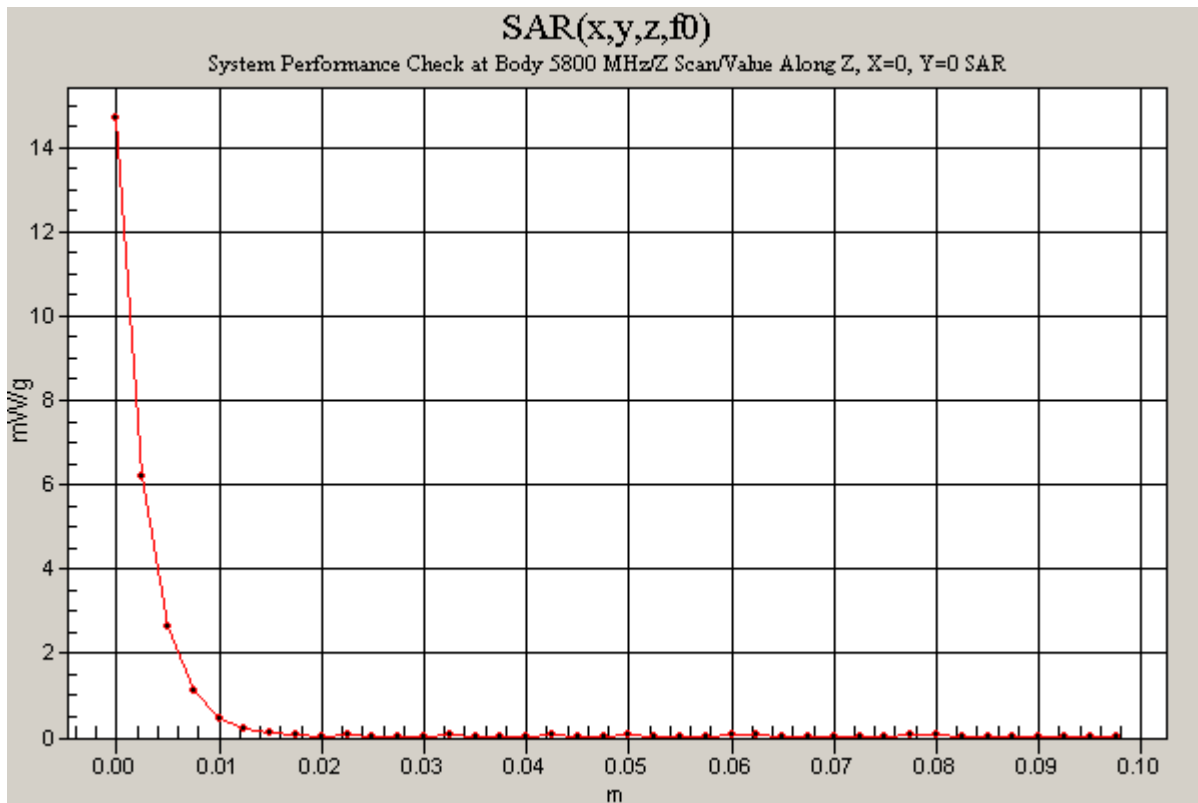
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); 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 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Reference Value = 85.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 14.7 mW/g





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## D5GHzV2\_M5200\_032904

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

**Ambient temperature = 25.0 deg. C; Liquid temperature = 24.0 deg. C**

Communication System: CW 5200MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.44$  mho/m;  $\epsilon_r = 47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DAS4, V4.2 Build 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 91.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 23.2 mW/g

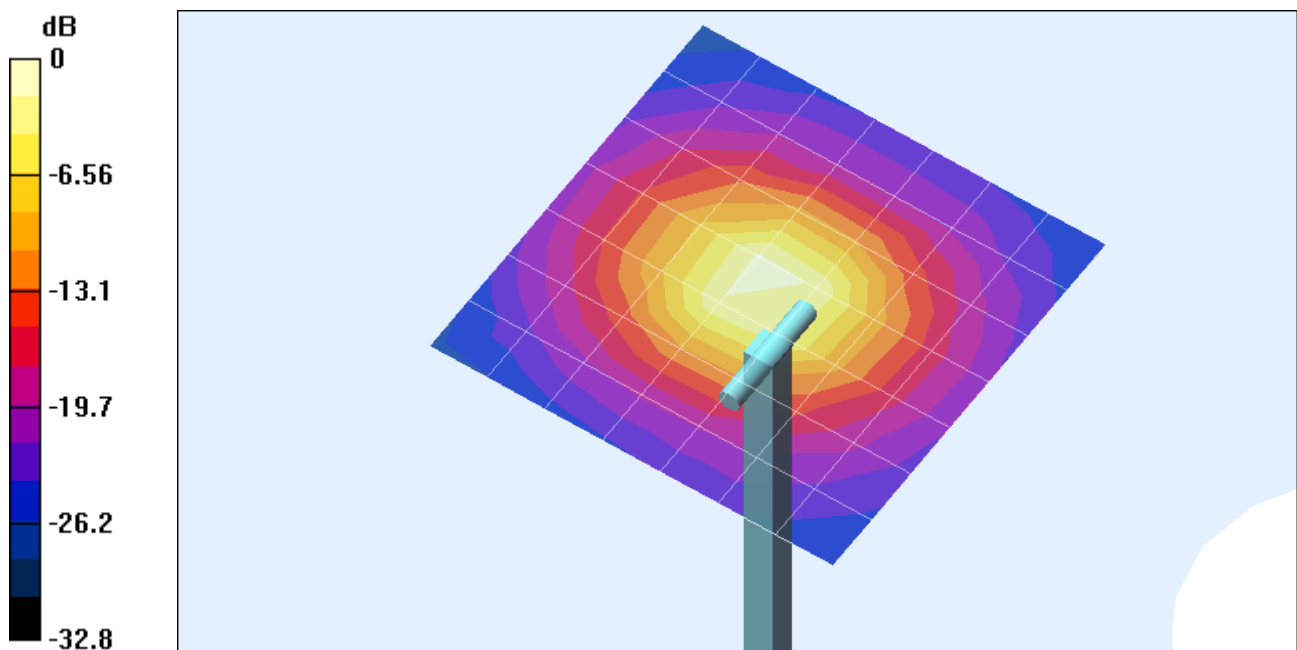
**d=10mm, Pin=250mW/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 91.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 34.2 mW/g

Peak SAR (extrapolated) = 92 W/kg

**SAR(1 g) = 23.6 mW/g; SAR(10 g) = 6.6 mW/g**



0 dB = 34.2mW/g

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**D5GHzV2\_M5200\_032904**

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); 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 37; Postprocessing SW: SEMCAD, V1.8 Build 109

**d=10mm, Pin=250mW/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Reference Value = 91.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 16.2 mW/g

