

20170103_System Check_Dipole5GHzV2 SN1004

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C

Medium parameters used: $f = 5300.2$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 50.6$; $\rho = 1000$ kg/m³ ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.75, 3.75, 3.75); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5300MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.0 mW/g

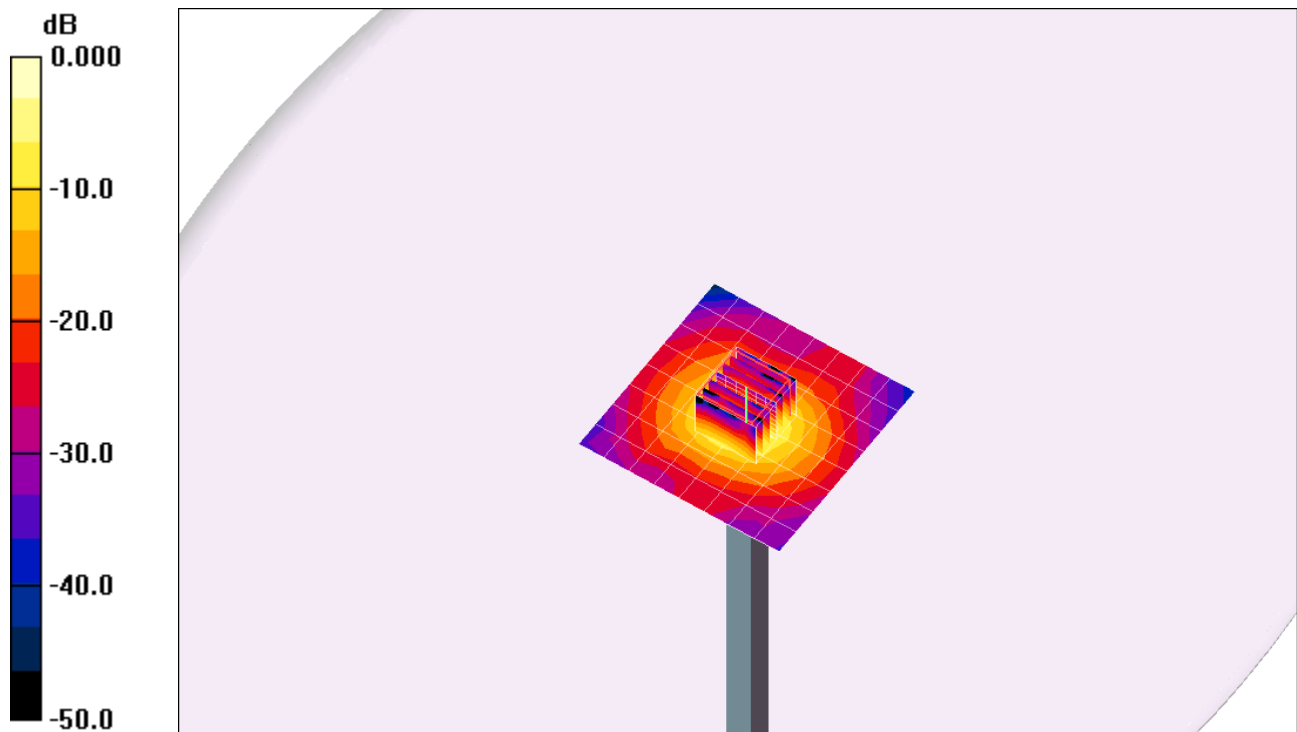
Body/Pin=100mW, d=10mm, 5300MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 57.8 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 29.3 W/kg

SAR(1 g) = 7.63 mW/g; SAR(10 g) = 2.21 mW/g

Maximum value of SAR (measured) = 16.1 mW/g



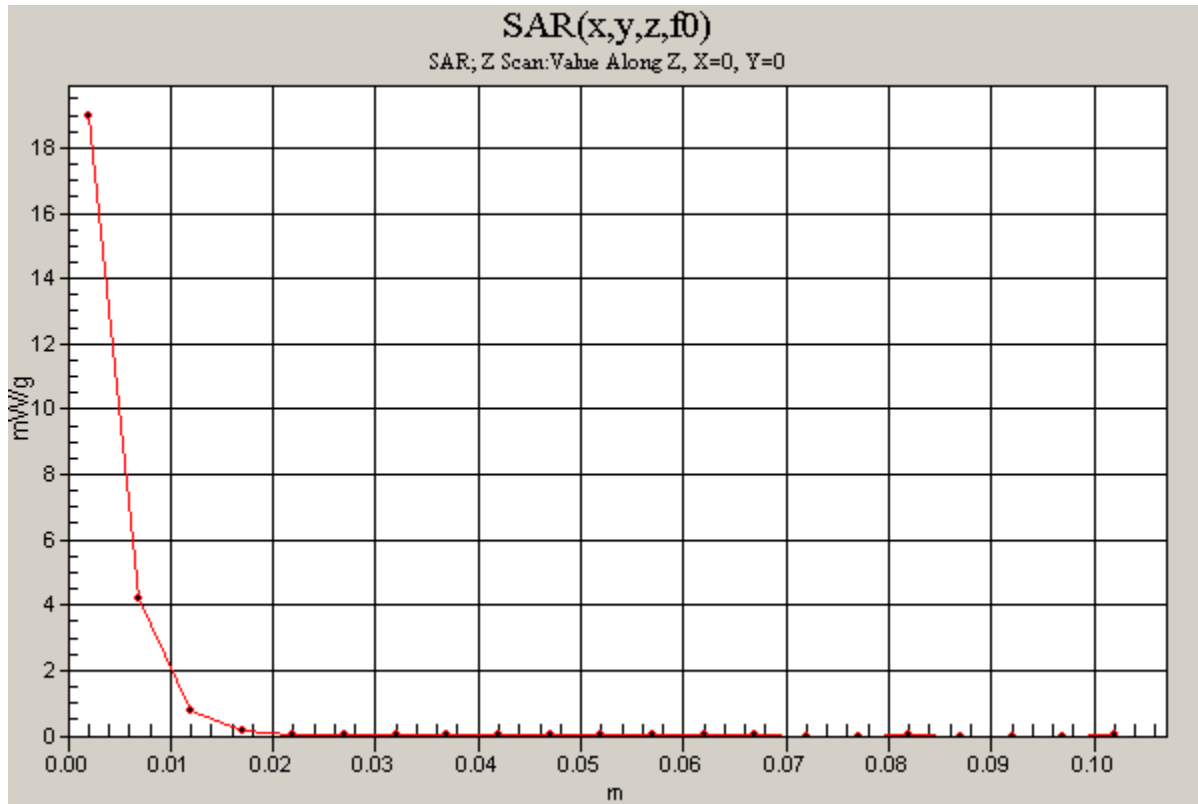
0 dB = 16.1mW/g

20170103_System Check_Dipole5GHzV2 SN1004

Frequency: 5300 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5300MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 19.0 mW/g



20170103_System Check_Dipole5GHzV2 SN1004

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C

Medium parameters used: $f = 5600.5$ MHz; $\sigma = 5.61$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³ ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.22, 3.22, 3.22); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5600MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 15.5 mW/g

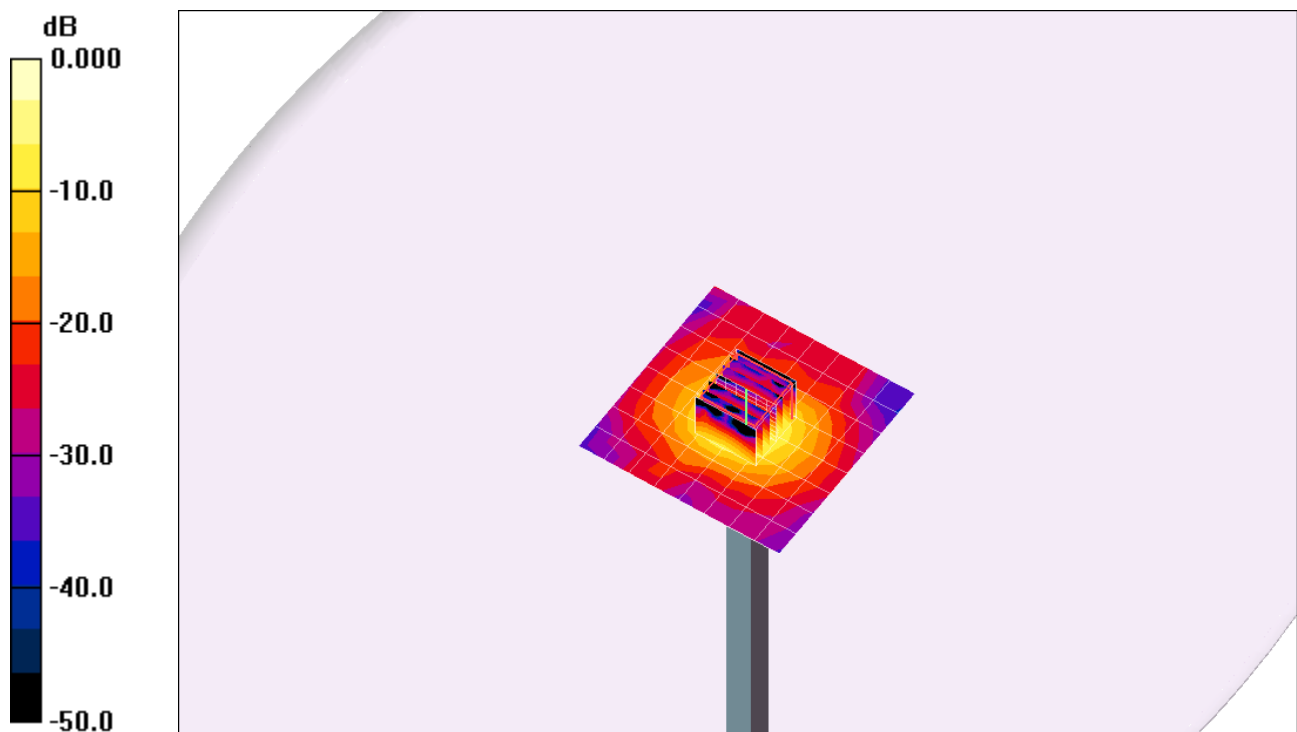
Body/Pin=100mW, d=10mm, 5600MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 59.3 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 8.11 mW/g; SAR(10 g) = 2.24 mW/g

Maximum value of SAR (measured) = 17.9 mW/g



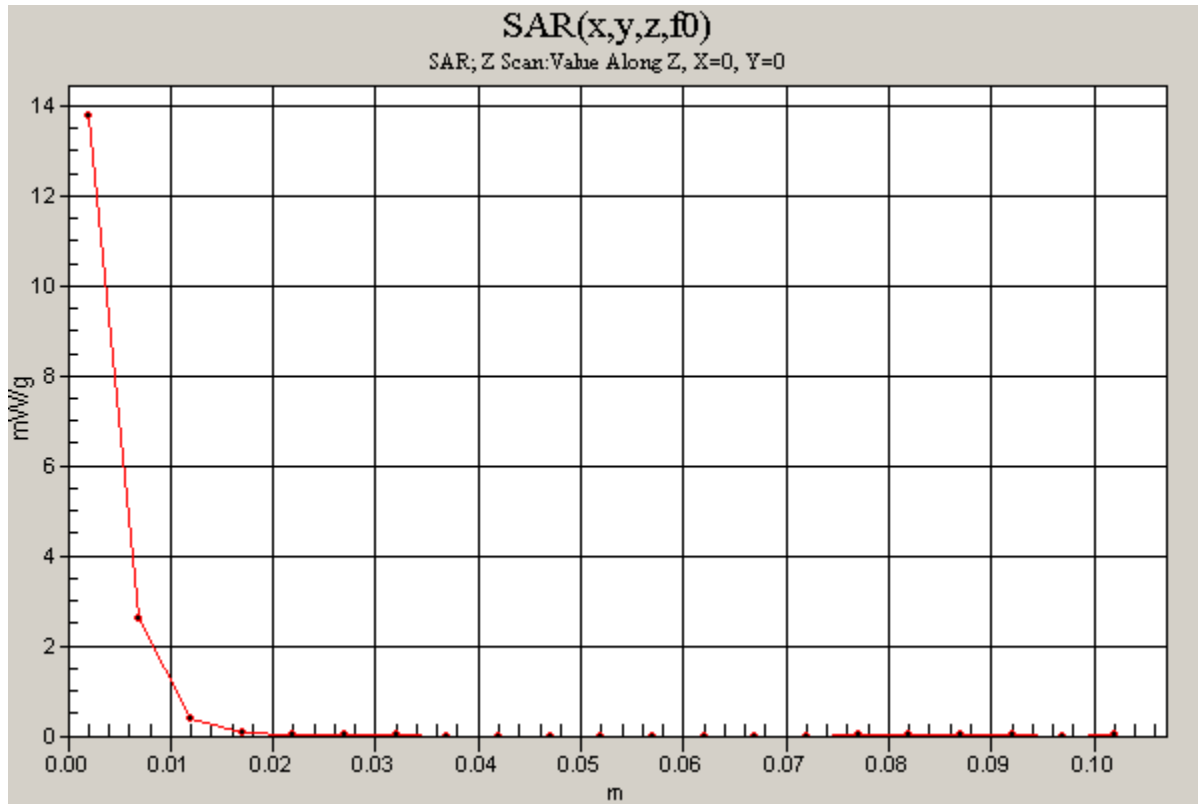
0 dB = 17.9mW/g

20170103_System Check_Dipole5GHzV2 SN1004

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5600MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 13.8 mW/g



20170103_System Check_Dipole5GHzV2 SN1004

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C

Medium parameters used (interpolated): $f = 5800$ MHz; $\sigma = 5.88$ mho/m; $\epsilon_r = 49.7$; $\rho = 1000$ kg/m³;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.38, 3.38, 3.38); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5800MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 13.0 mW/g

Body/Pin=100mW, d=10mm, 5800MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

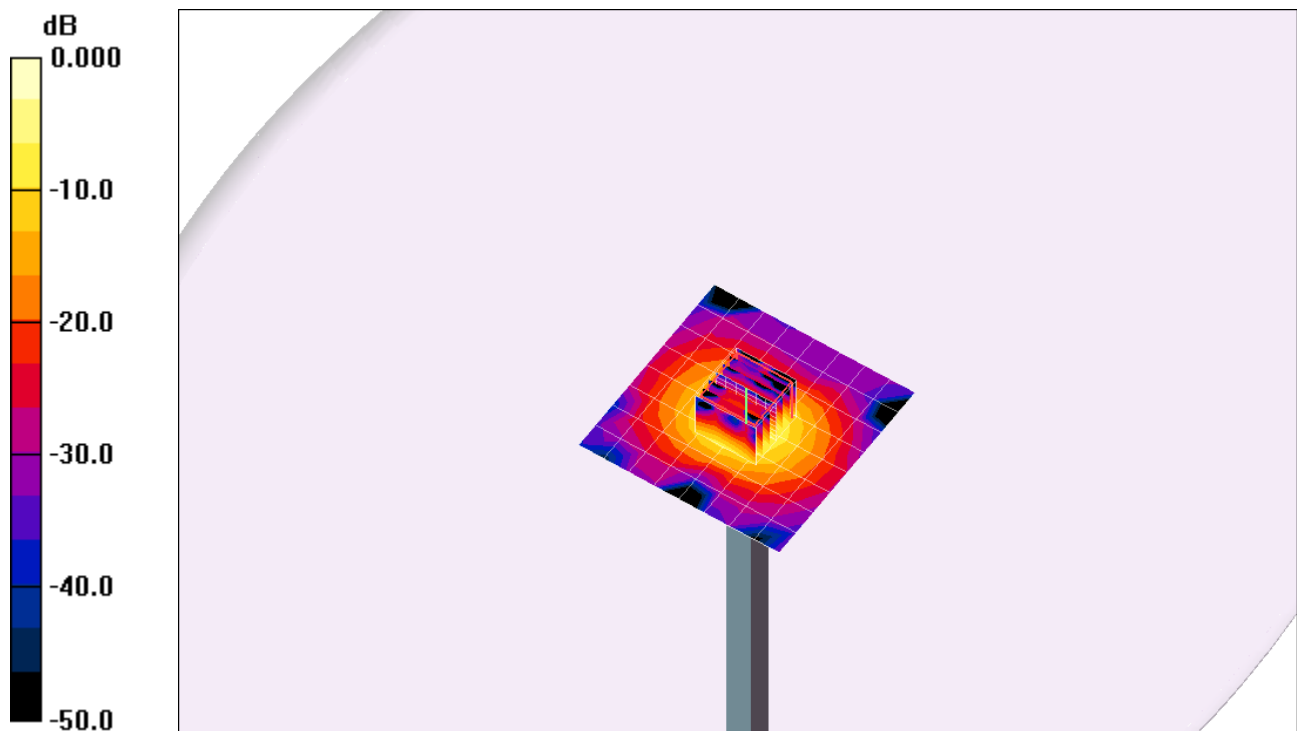
Reference Value = 53.1 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.84 mW/g; SAR(10 g) = 2.18 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 17.3 mW/g



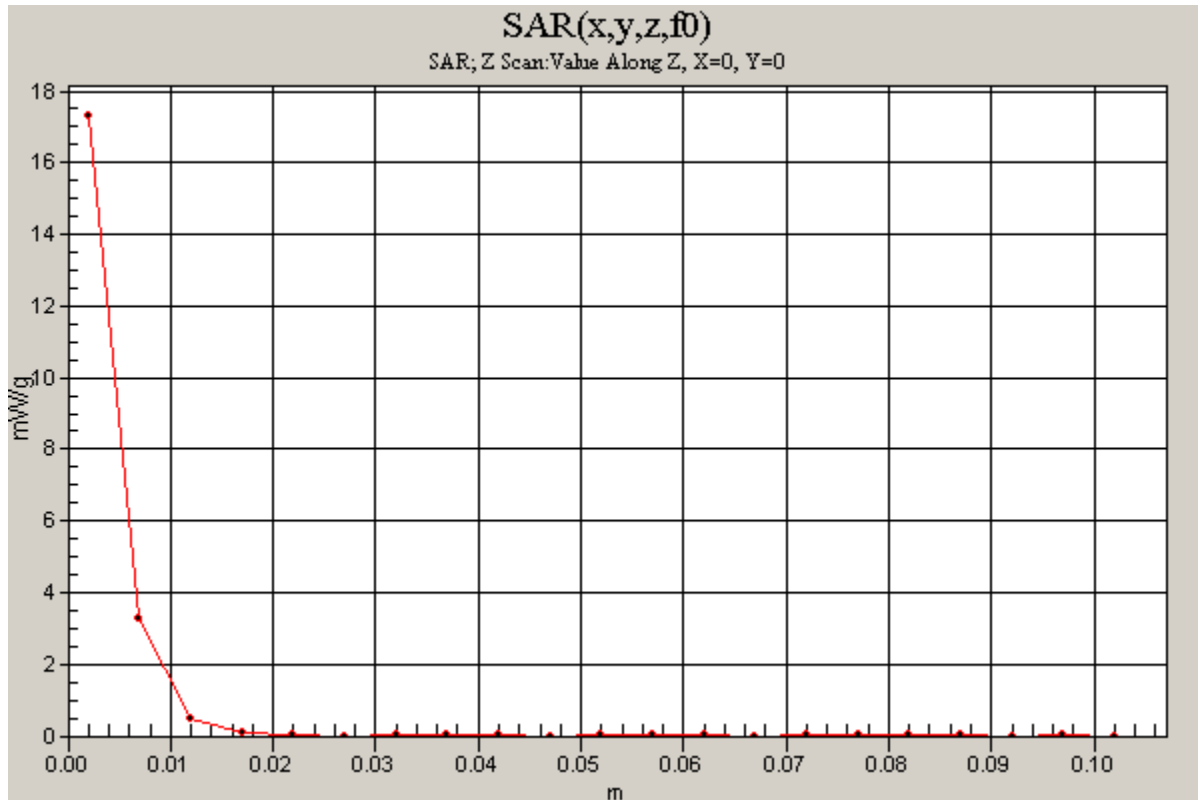
0 dB = 17.3mW/g

20170103_System Check_Dipole5GHzV2 SN1004

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5800MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 17.3 mW/g



20170104_System Check_Dipole2450V2 SN728

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(6.41, 6.41, 6.41); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.64 mW/g

Body/Pin=100mW, d=10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

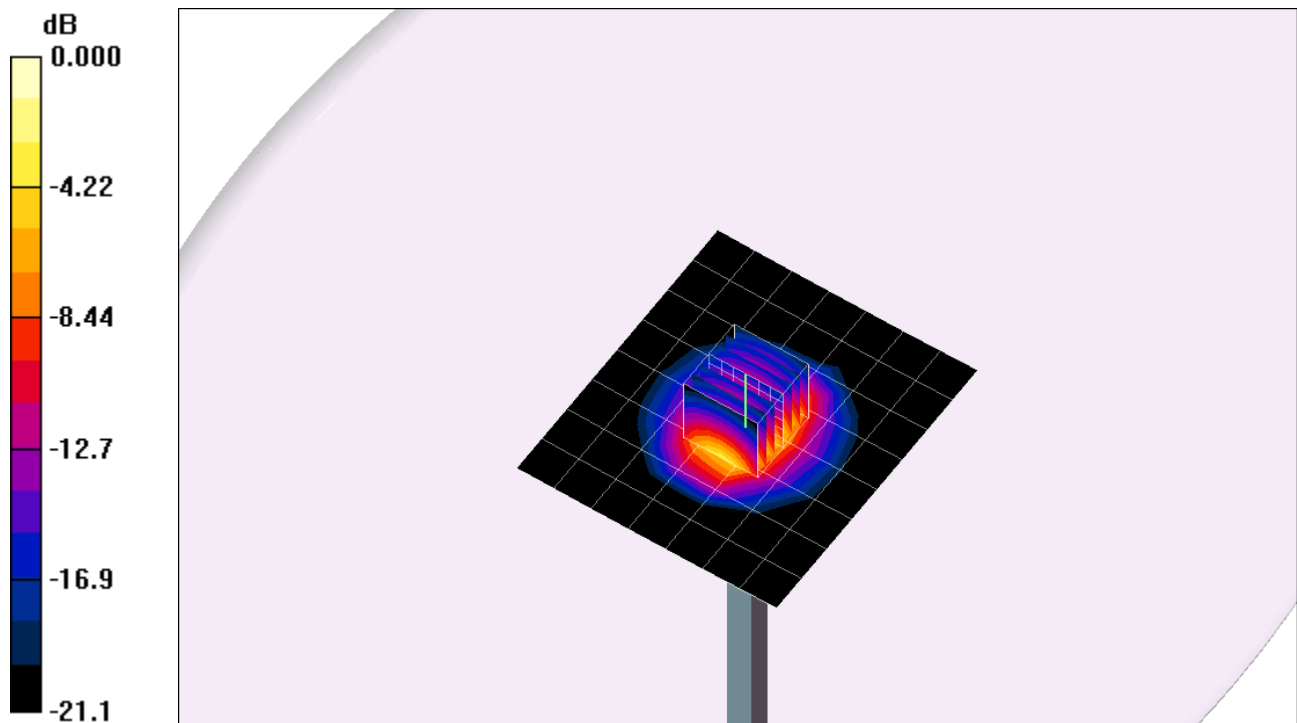
Reference Value = 62.9 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 5.13 mW/g; SAR(10 g) = 2.42 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 7.71 mW/g



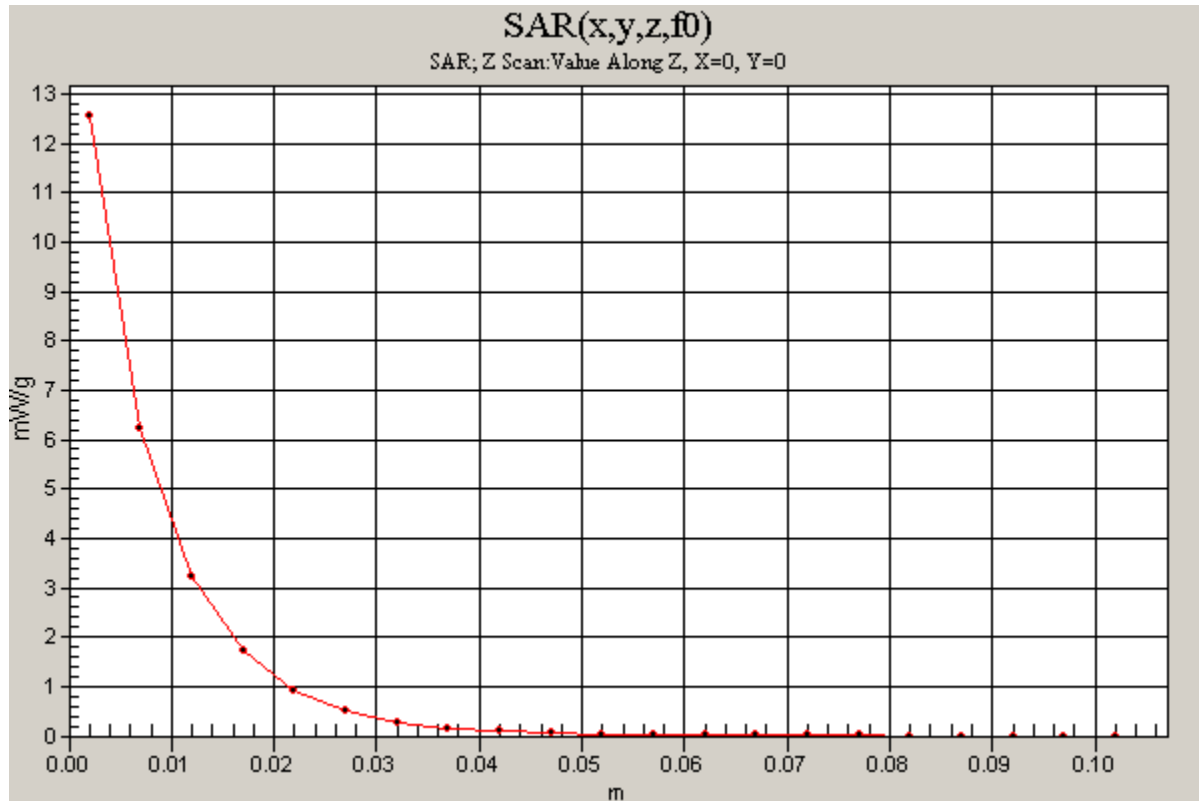
0 dB = 7.71mW/g

20170104_System Check_Dipole2450V2 SN728

Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 12.5 mW/g



20170216_System Check_Dipole5GHzV2 SN1004

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C

Medium parameters used: $f = 5300.2$ MHz; $\sigma = 5.26$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³ ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.75, 3.75, 3.75); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5300MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.2 mW/g

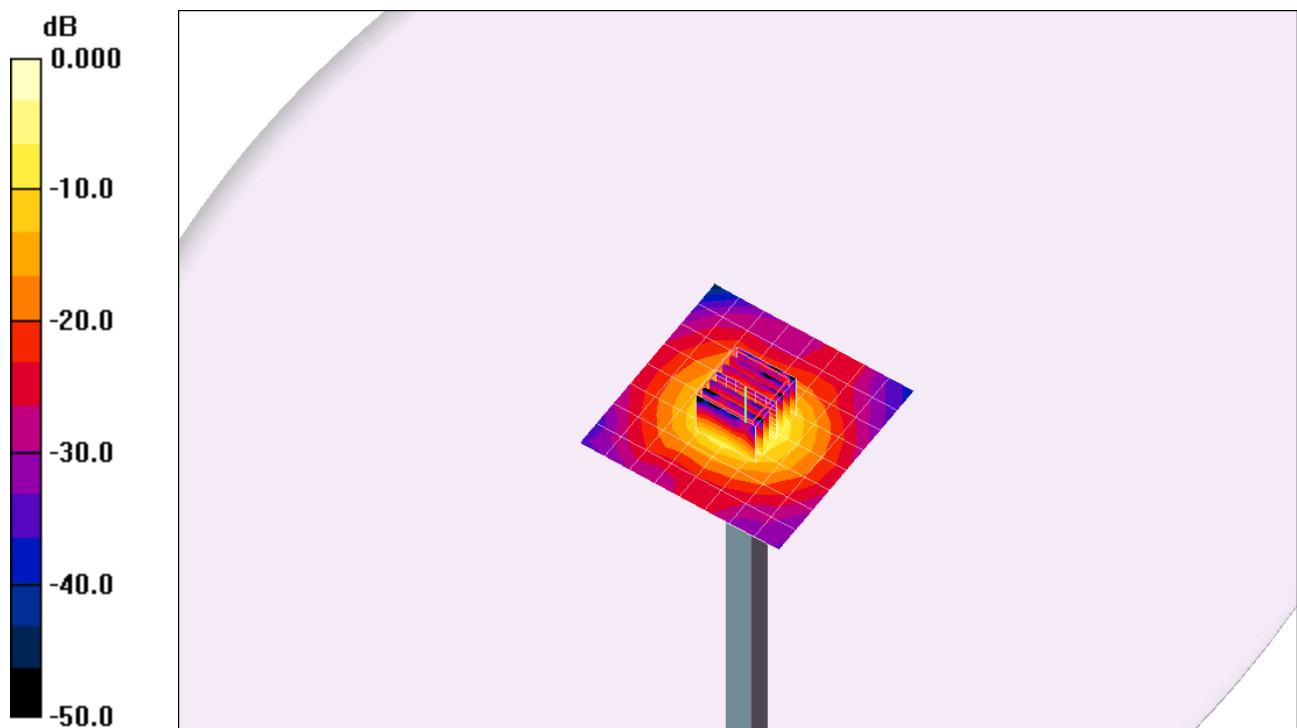
Body/Pin=100mW, d=10mm, 5300MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 57.8 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 7.7 mW/g; SAR(10 g) = 2.22 mW/g

Maximum value of SAR (measured) = 16.3 mW/g



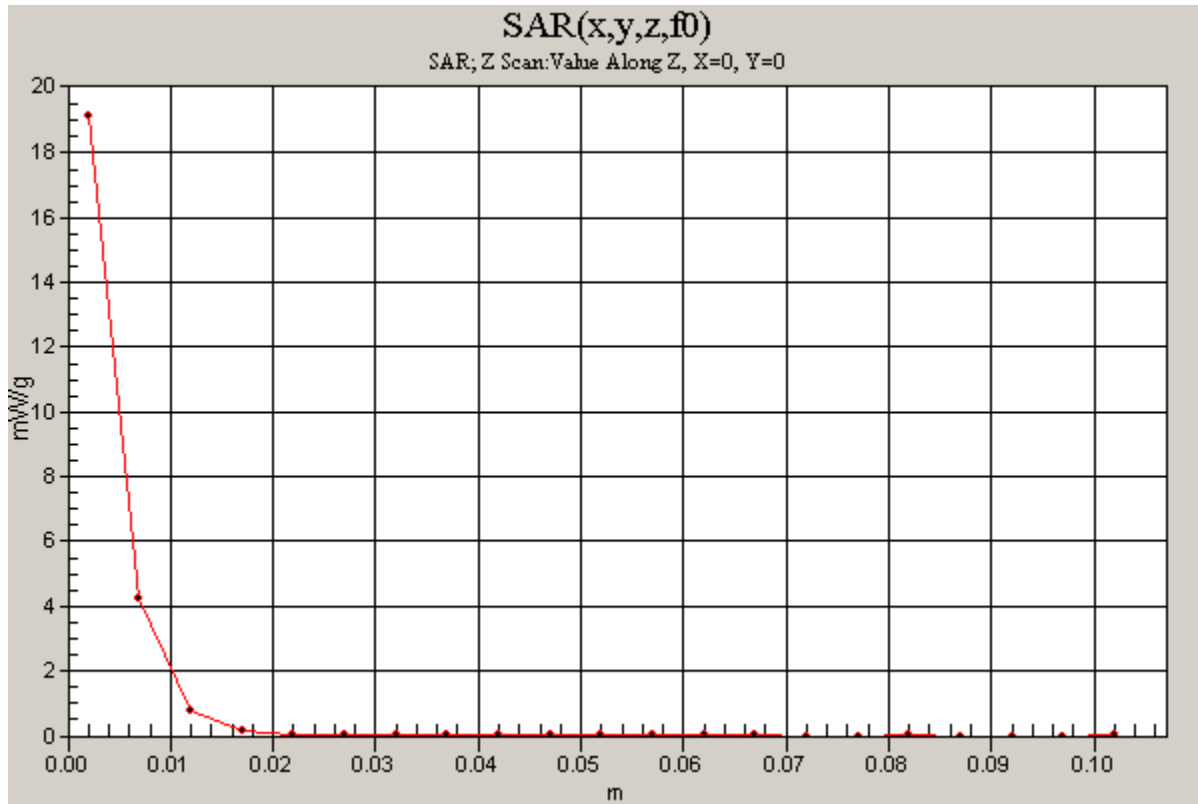
0 dB = 16.3mW/g

20170216_System Check_Dipole5GHzV2 SN1004

Frequency: 5300 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5300MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 19.1 mW/g



20170216_System Check_Dipole5GHzV2 SN1004

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C

Medium parameters used: $f = 5600.5$ MHz; $\sigma = 5.59$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³ ;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.22, 3.22, 3.22); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5600MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 15.5 mW/g

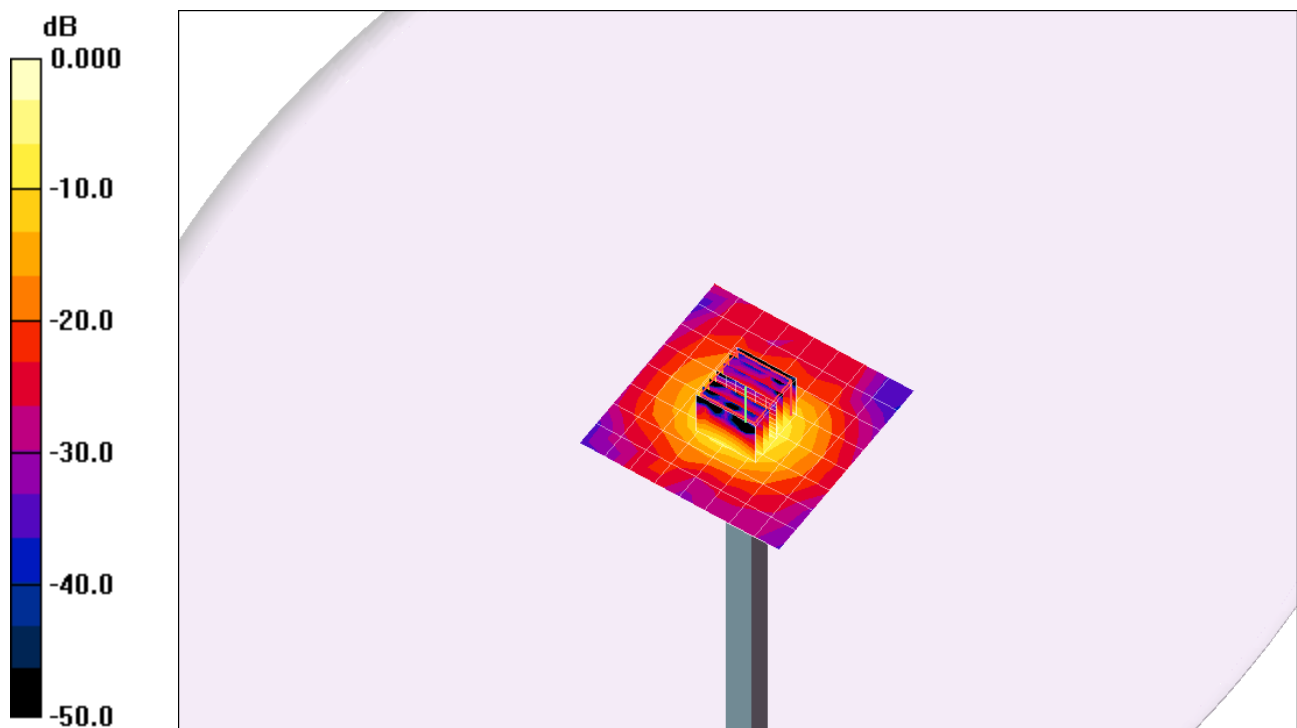
Body/Pin=100mW, d=10mm, 5600MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 59.3 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 8.09 mW/g; SAR(10 g) = 2.23 mW/g

Maximum value of SAR (measured) = 17.8 mW/g



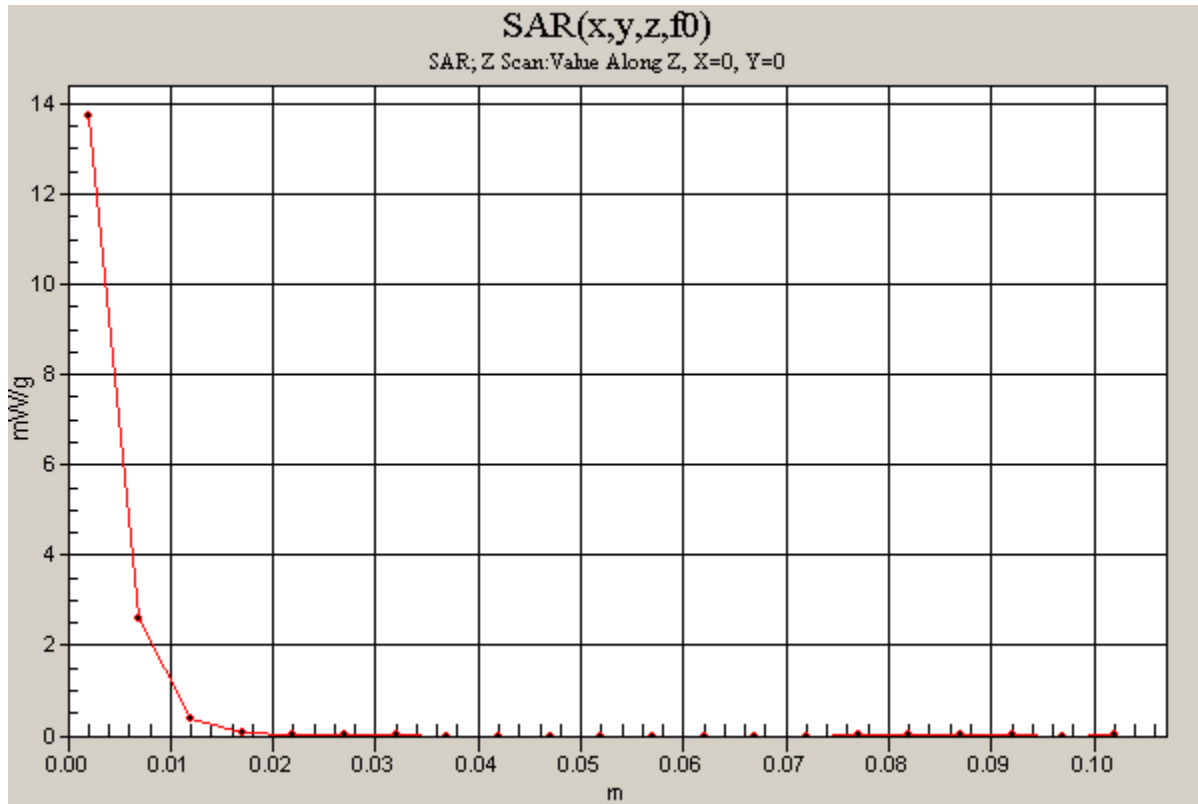
0 dB = 17.8mW/g

20170216_System Check_Dipole5GHzV2 SN1004

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5600MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 13.7 mW/g



20170216_System Check_Dipole5GHzV2 SN1004

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C

Medium parameters used (interpolated): $f = 5800$ MHz; $\sigma = 5.87$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.38, 3.38, 3.38); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5800MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 13.0 mW/g

Body/Pin=100mW, d=10mm, 5800MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

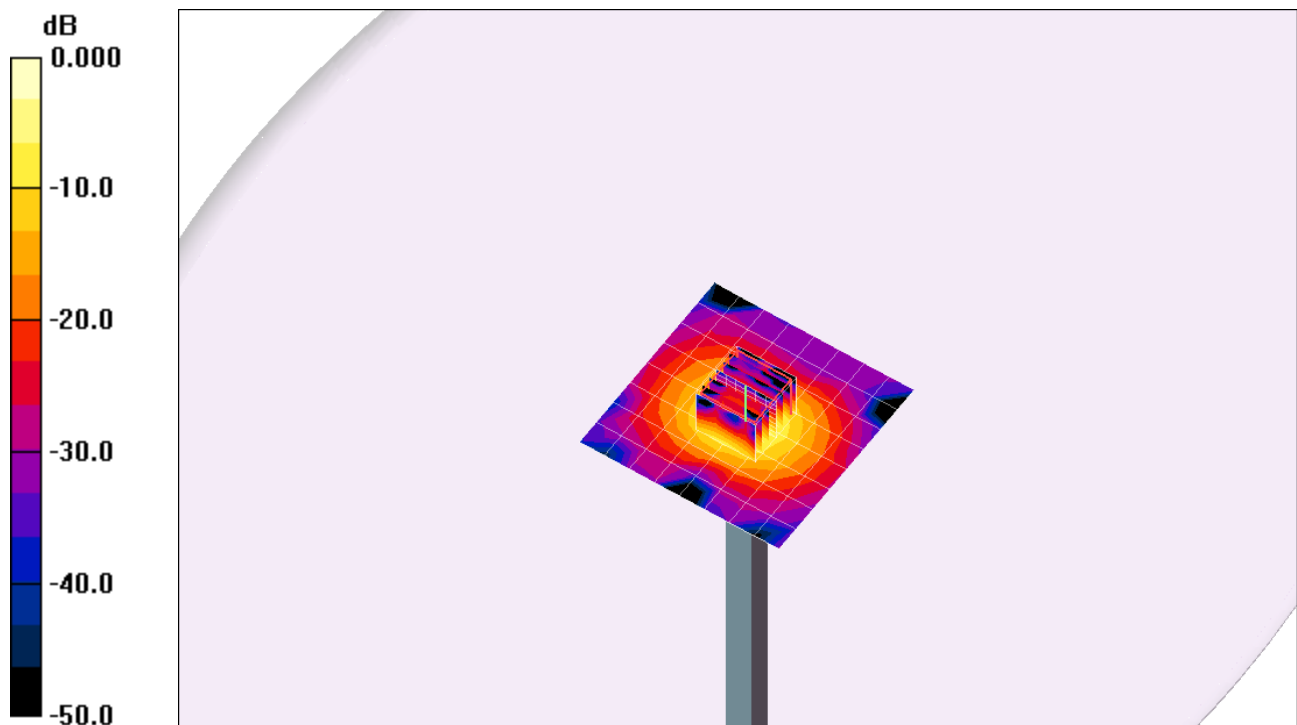
Reference Value = 53.1 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 32.0 W/kg

SAR(1 g) = 7.83 mW/g; SAR(10 g) = 2.17 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 17.2 mW/g



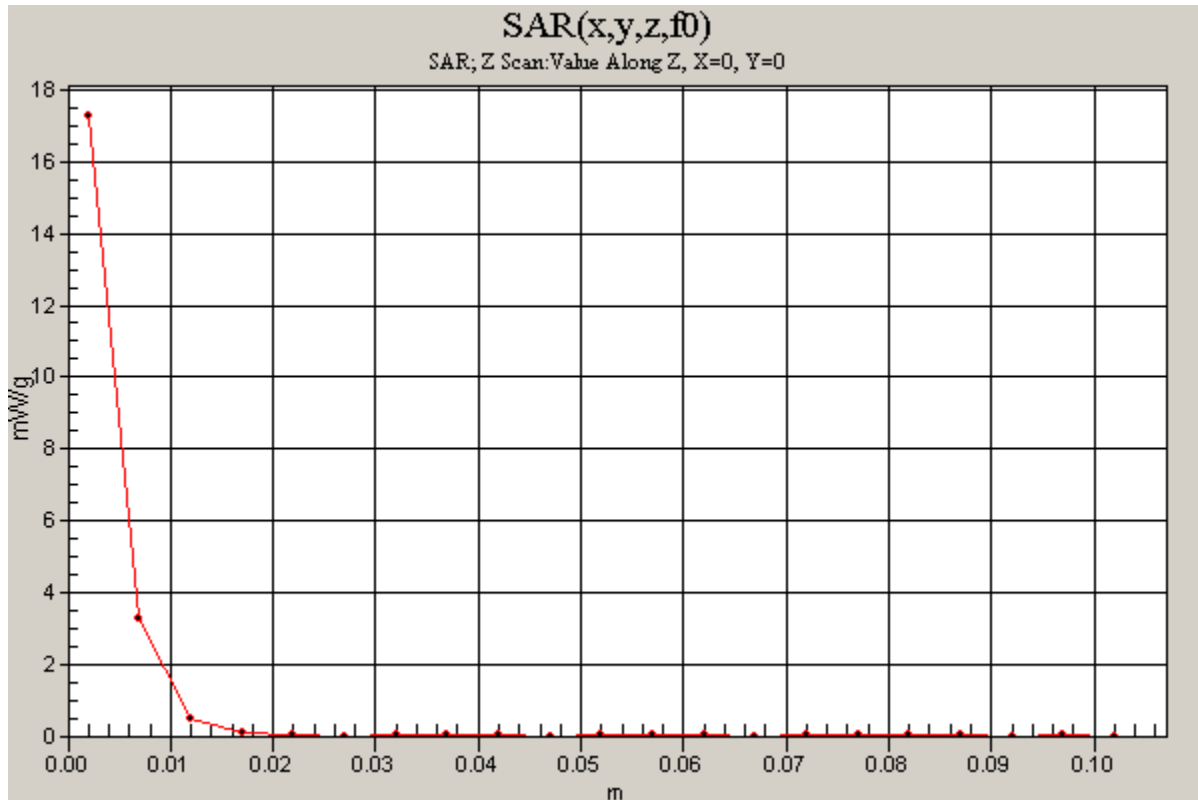
0 dB = 17.2mW/g

20170216_System Check_Dipole5GHzV2 SN1004

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5800MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 17.3 mW/g



20170216_System Check_Dipole2450V2 SN728

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³;

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(6.41, 6.41, 6.41); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.75 mW/g

Body/Pin=100mW, d=10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

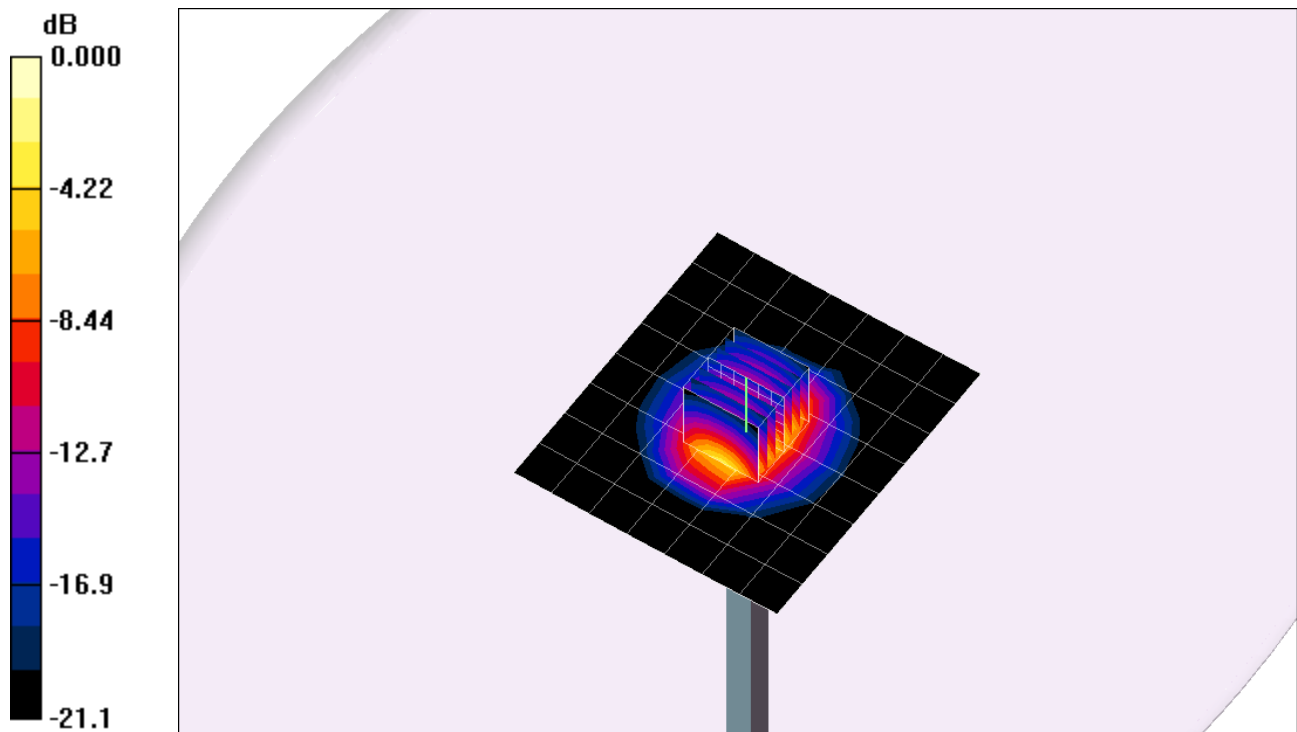
Reference Value = 62.9 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 10.6 W/kg

SAR(1 g) = 5.23 mW/g; SAR(10 g) = 2.46 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 7.86 mW/g



0 dB = 7.86mW/g

20170216_System Check_Dipole2450V2 SN728

Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 12.8 mW/g

