

20130819_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5200$ MHz; $\sigma = 5.308$ mho/m; $\epsilon_r = 47.398$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1263; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3778; ConvF(4.14, 4.14, 4.14); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1134

Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 54.275 V/m; Power Drift = 0.09 dB

Fast SAR: SAR(1 g) = 7.29 mW/g; SAR(10 g) = 1.99 mW/g

Maximum value of SAR (interpolated) = 19.290 mW/g

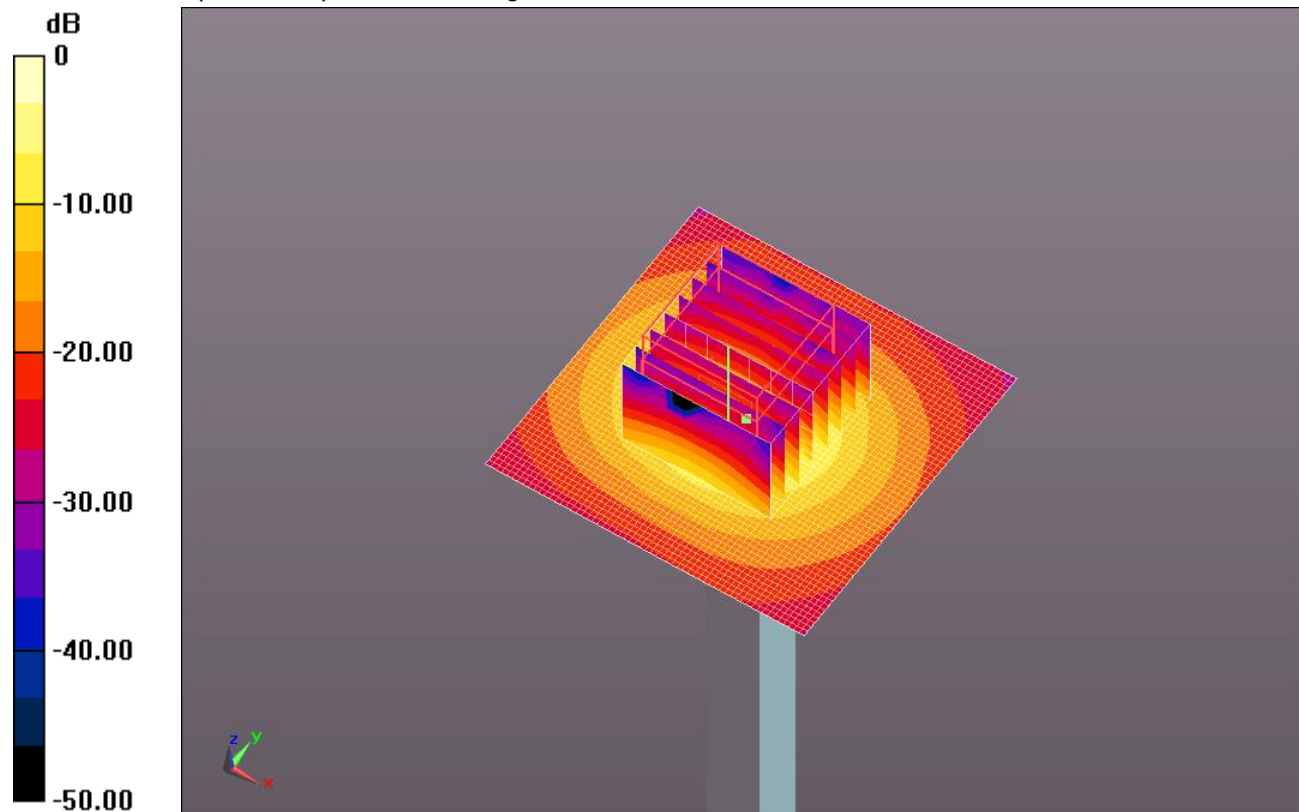
Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 54.275 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 31.0830

SAR(1 g) = 7.79 mW/g; SAR(10 g) = 2.18 mW/g

Maximum value of SAR (measured) = 18.678 mW/g

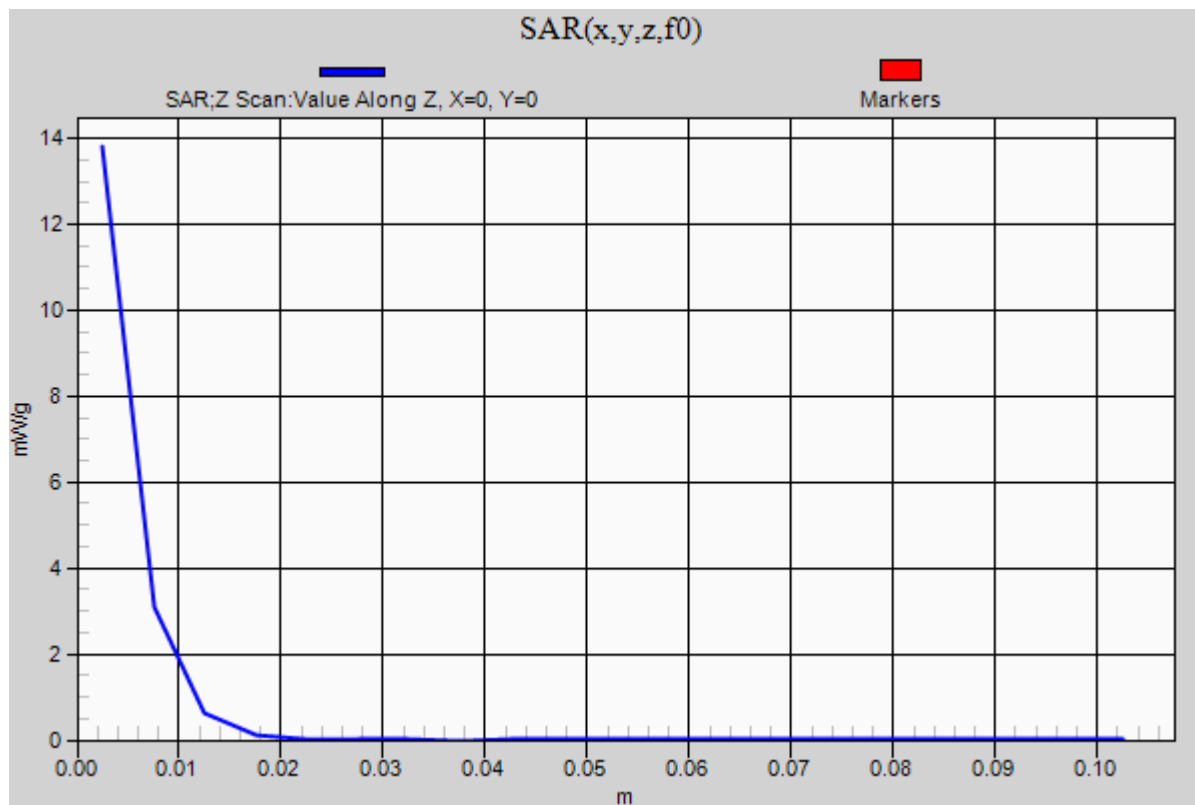


0 dB = 18.680mW/g = 25.43 dB mW/g

20130819_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.803 mW/g



20130812_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.384$ mho/m; $\epsilon_r = 47.897$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(4.12, 4.12, 4.12); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 49.139 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 7.66 mW/g; SAR(10 g) = 2.17 mW/g

Maximum value of SAR (interpolated) = 19.392 mW/g

Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

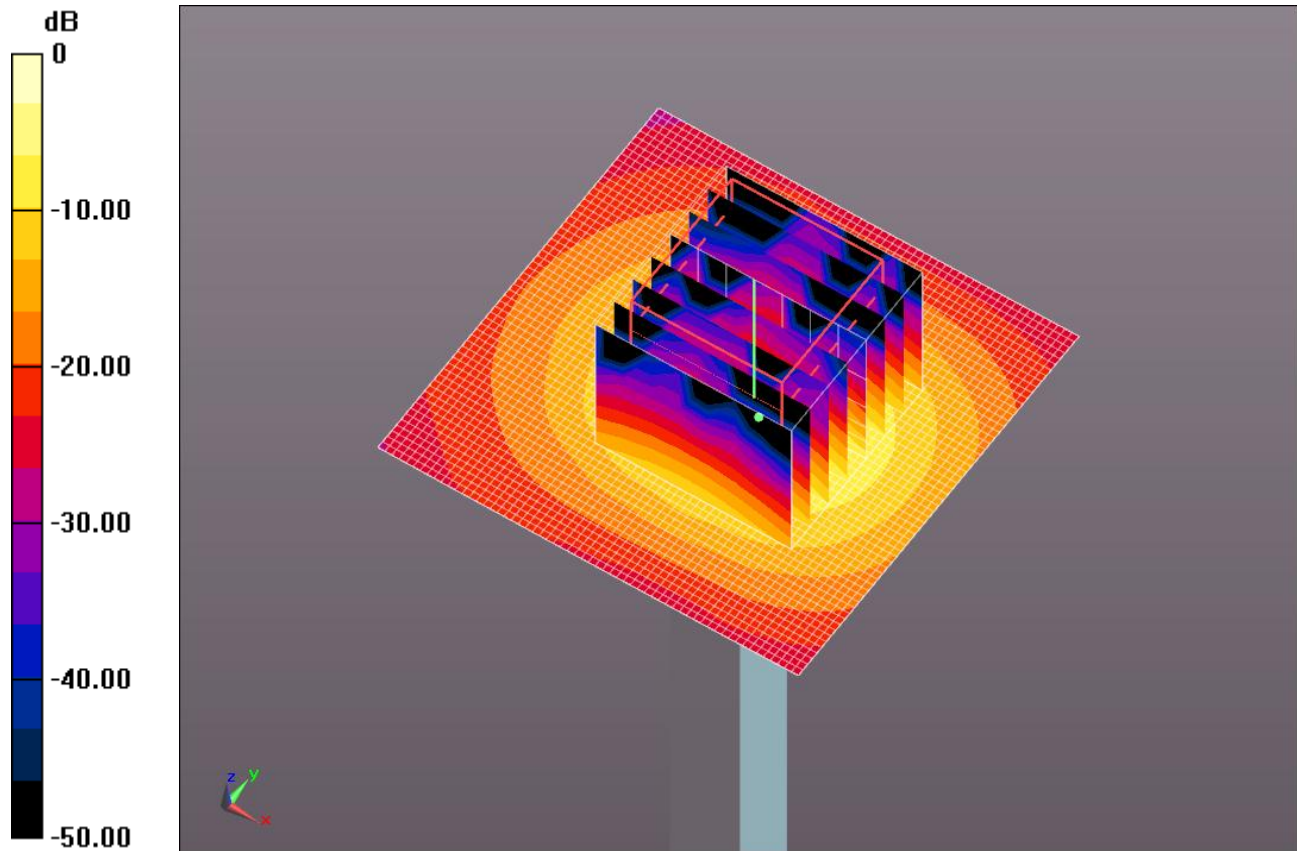
dz=1.4mm

Reference Value = 49.139 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 31.8810

SAR(1 g) = 7.84 mW/g; SAR(10 g) = 2.19 mW/g

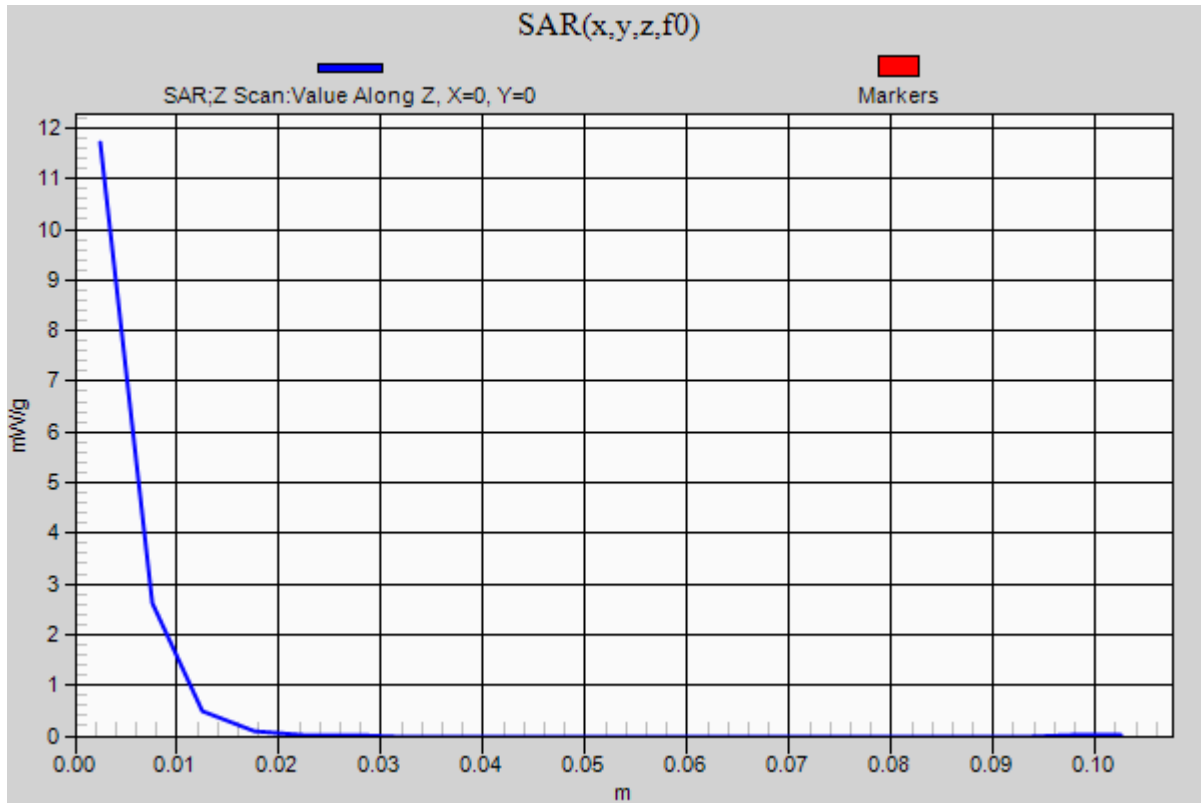
Maximum value of SAR (measured) = 19.172 mW/g



0 dB = 19.170mW/g = 25.65 dB mW/g

20130812_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 11.707 mW/g

20130819_SystemPerformanceCheck-D2450V2 SN 900

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.981$ mho/m; $\epsilon_r = 51.514$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(6.62, 6.62, 6.62); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Body/Pin=100 mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 59.857 V/m; Power Drift = -0.13 dB

Fast SAR: SAR(1 g) = 5.28 mW/g; SAR(10 g) = 2.26 mW/g

Maximum value of SAR (interpolated) = 7.750 mW/g

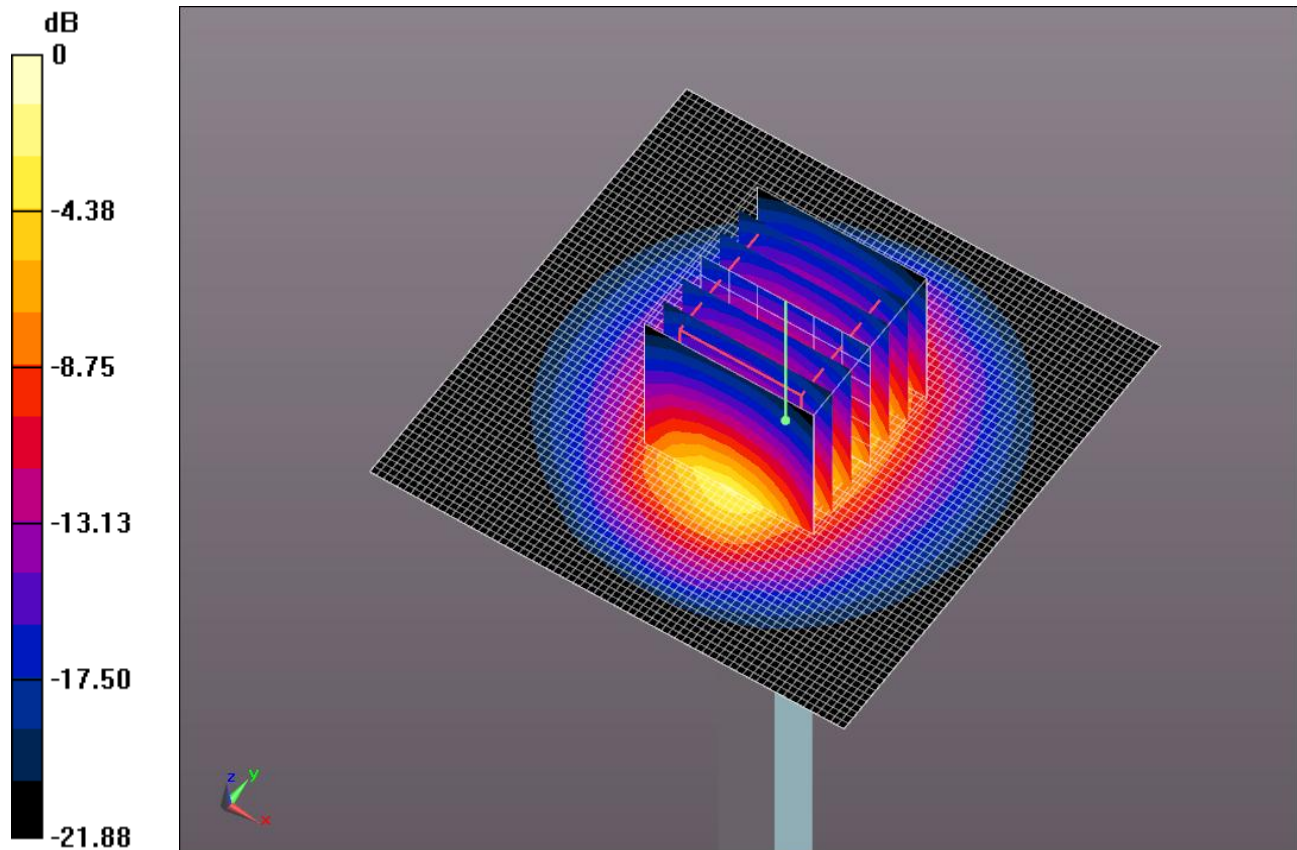
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.857 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 11.2590

SAR(1 g) = 5.4 mW/g; SAR(10 g) = 2.49 mW/g

Maximum value of SAR (measured) = 7.685 mW/g



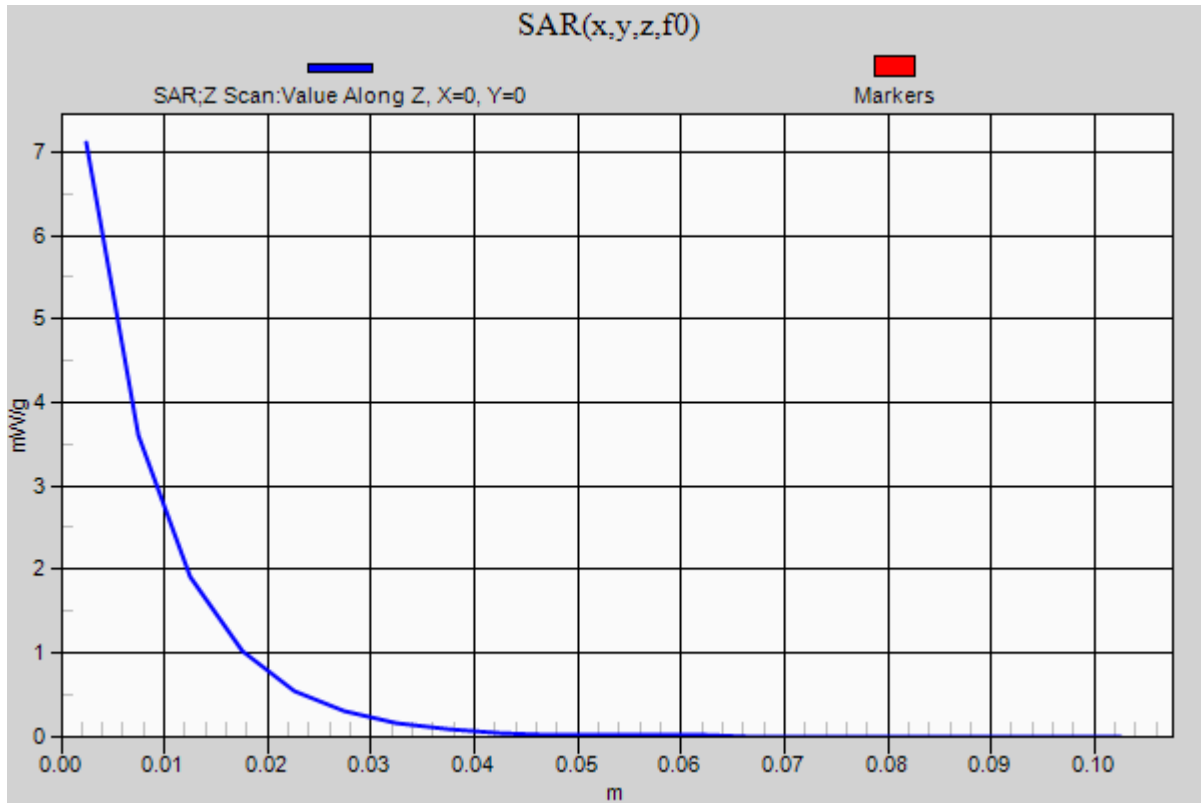
0 dB = 7.690mW/g = 17.72 dB mW/g

20130819_SystemPerformanceCheck-D2450V2 SN 900

Frequency: 2450 MHz; Duty Cycle: 1:1

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

Maximum value of SAR (measured) = 7.113 mW/g



20130815_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.832$ mho/m; $\epsilon_r = 47.729$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3871; ConvF(3.85, 3.85, 3.85); Calibrated: 7/29/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

Body/5.6 GHz Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 51.480 V/m; Power Drift = 0.13 dB

Fast SAR: SAR(1 g) = 7.64 mW/g; SAR(10 g) = 2.11 mW/g

Maximum value of SAR (interpolated) = 20.711 mW/g

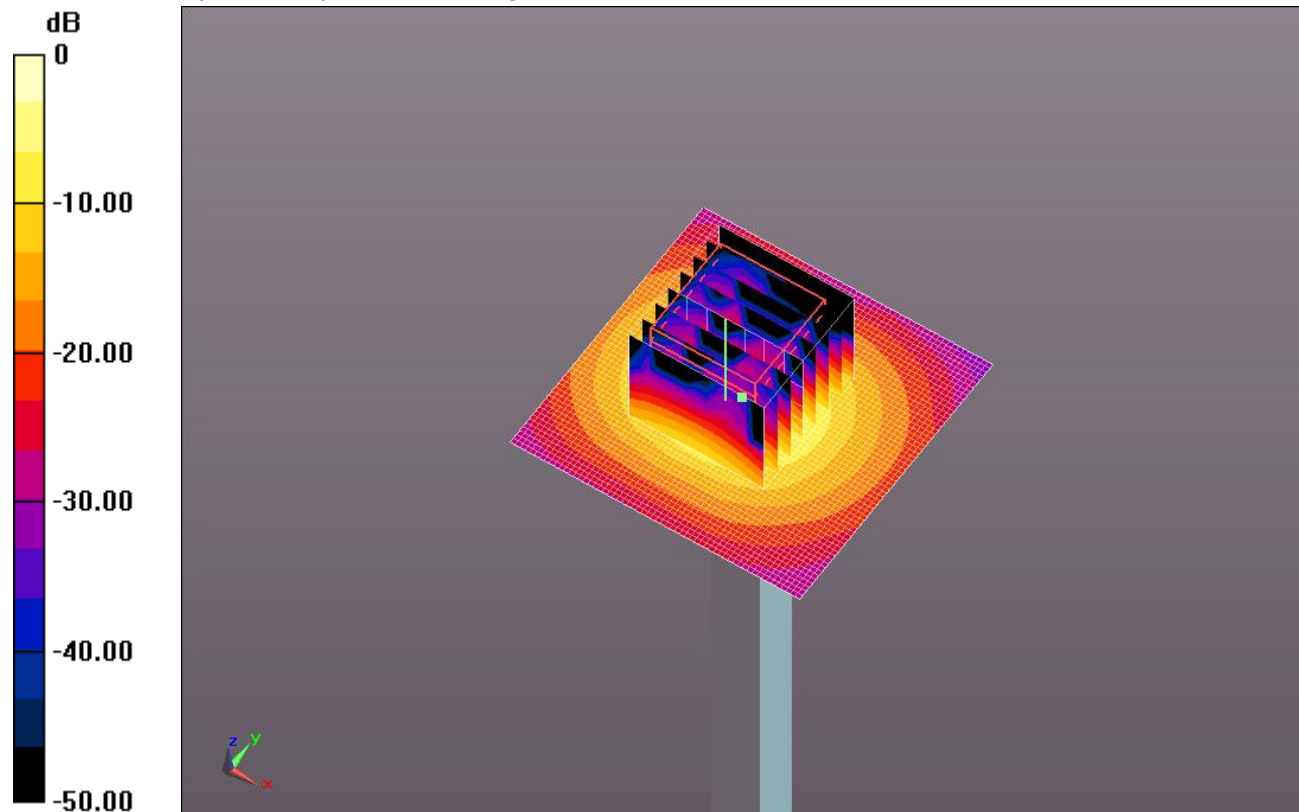
Body/5.6 GHz Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.480 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 35.3840

SAR(1 g) = 8.37 mW/g; SAR(10 g) = 2.34 mW/g

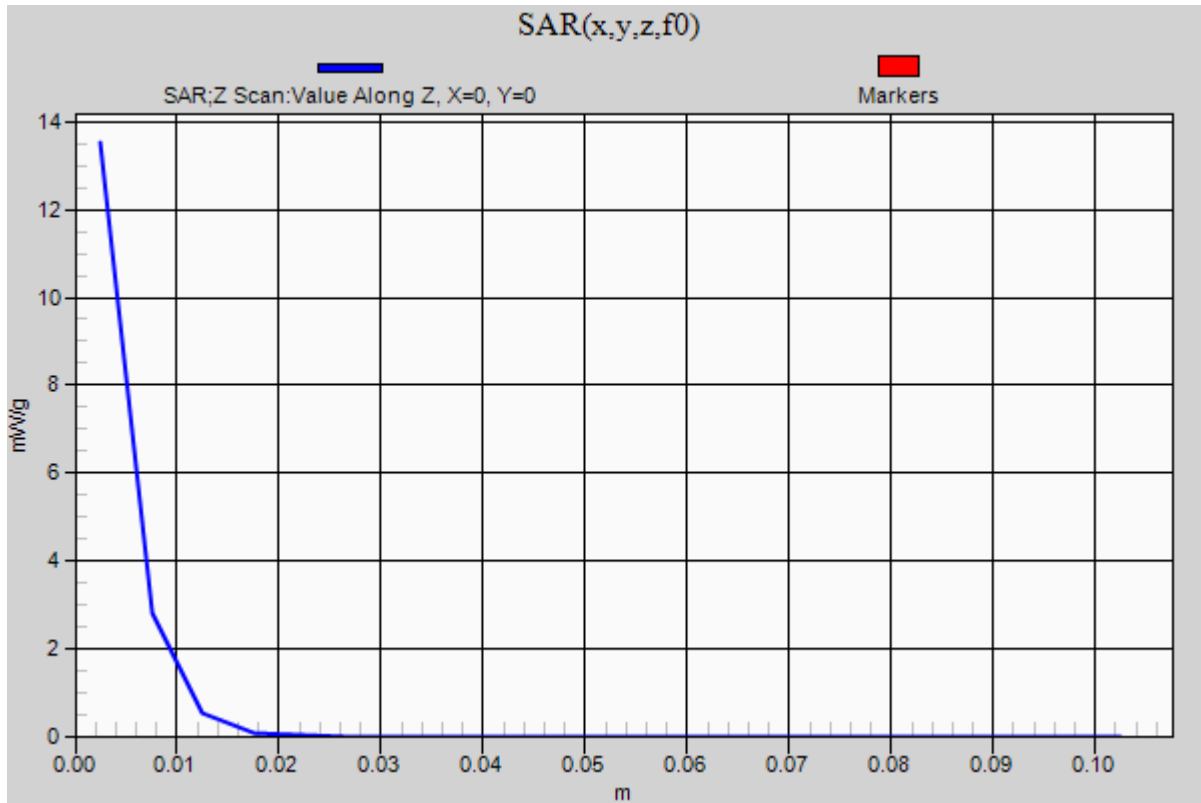
Maximum value of SAR (measured) = 20.681 mW/g



0 dB = 20.680mW/g = 26.31 dB mW/g

20130815_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/5.6 GHz Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.527 mW/g

20130812_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5800$ MHz; $\sigma = 6.106$ mho/m; $\epsilon_r = 47.097$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(3.92, 3.92, 3.92); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Body/5.8 GHz, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 53.137 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 8.25 mW/g; SAR(10 g) = 2.22 mW/g

Maximum value of SAR (interpolated) = 15.831 mW/g

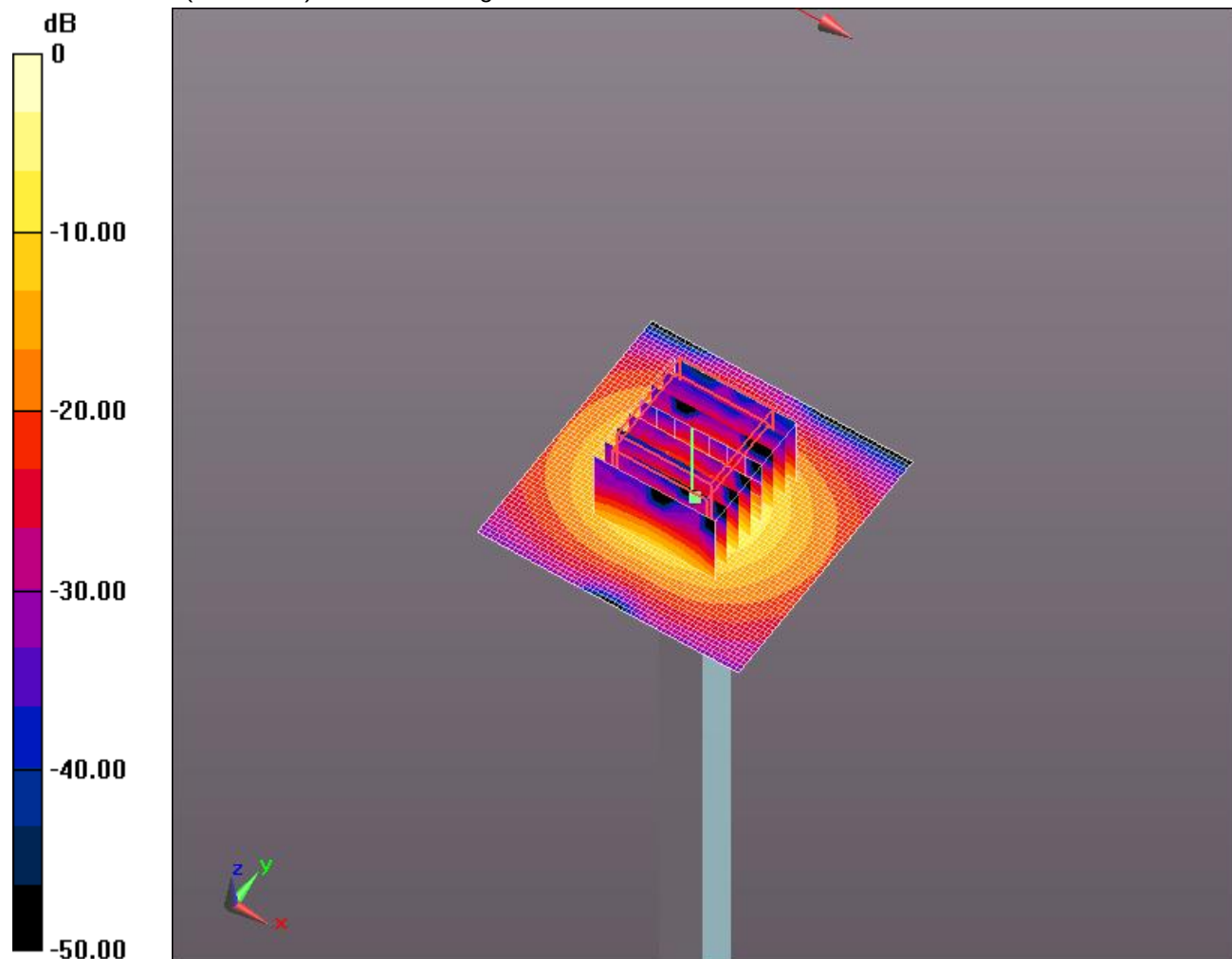
Body/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 53.137 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 32.4430

SAR(1 g) = 7.79 mW/g; SAR(10 g) = 2.17 mW/g

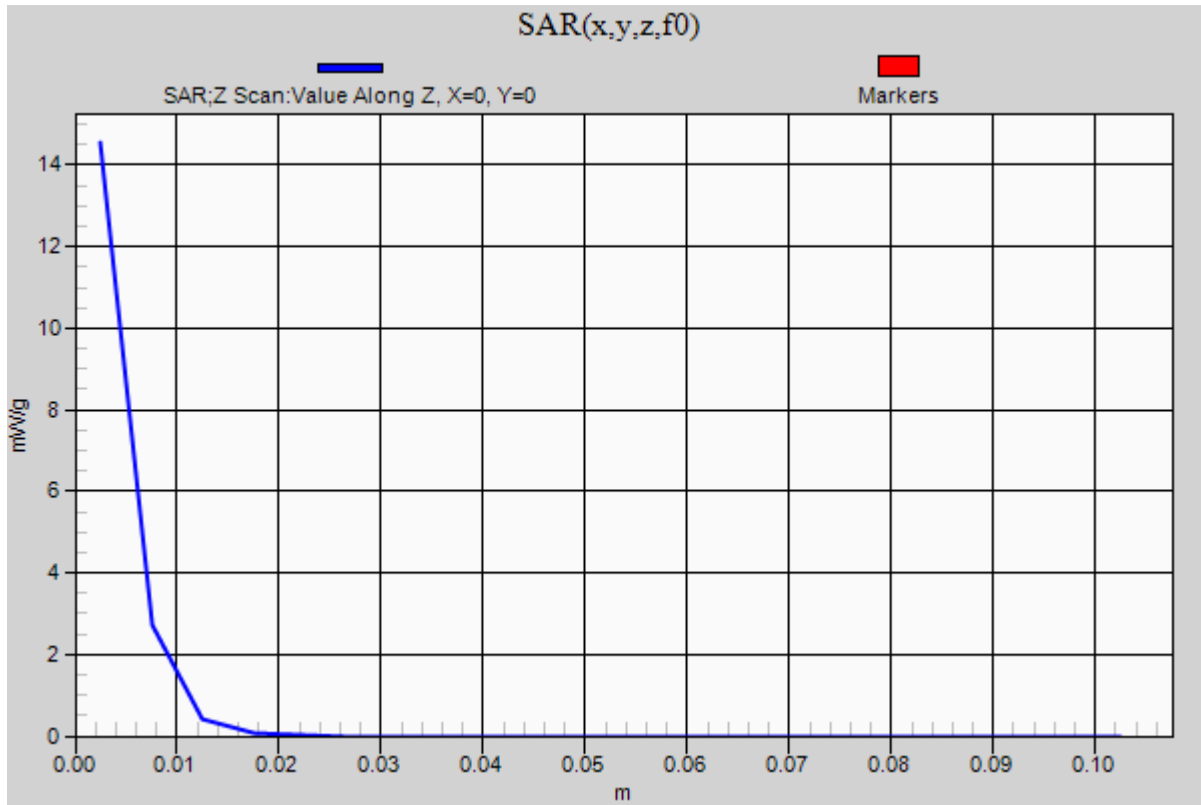
Maximum value of SAR (measured) = 19.199 mW/g



0 dB = 19.200mW/g = 25.67 dB mW/g

20130812_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/5.8 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 14.546 mW/g

WiFi 2.4GHz Band (WiFi 1 + WiFi 2)

Frequency: 2457 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 2457$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 51.487$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(6.62, 6.62, 6.62); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 3/802.11b_WiFi 1 + WiFi 2 Ch 10/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 2.051 mW/g

Edge 3/802.11b_WiFi 1 Ch 10/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.199 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.7840

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.375 mW/g

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

Maximum value of SAR (measured) = 2.137 mW/g

Edge 3/802.11b_WiFi 2 Ch 10/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

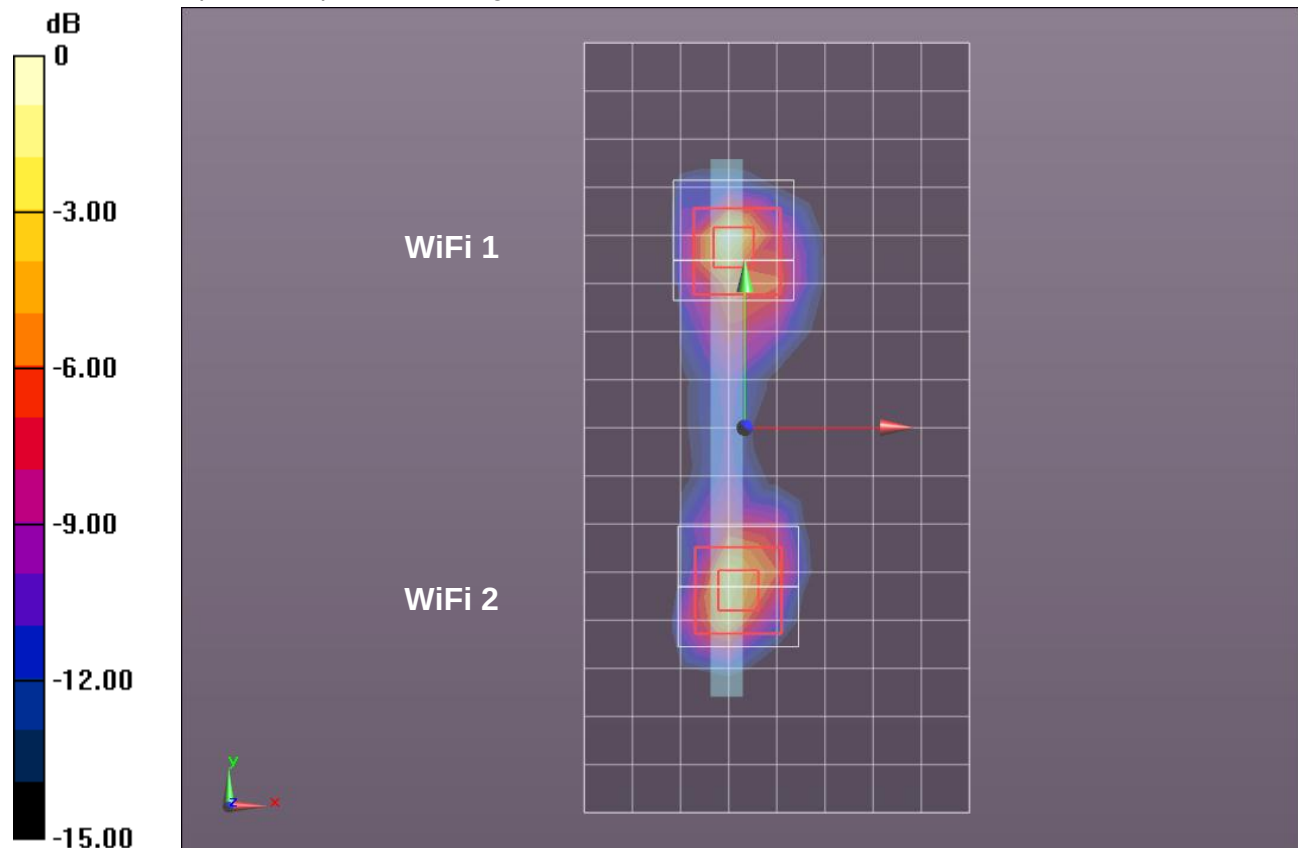
Reference Value = 31.199 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.1600

SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.297 mW/g

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

Maximum value of SAR (measured) = 1.962 mW/g



0 dB = 1.960mW/g = 5.85 dB mW/g

WiFi 5.8GHz (WiFi 2)

Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5825$ MHz; $\sigma = 6.191$ mho/m; $\epsilon_r = 47.382$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(3.92, 3.92, 3.92); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Edge 3/802.11a_Ch 165/Area Scan (9x20x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.558 mW/g

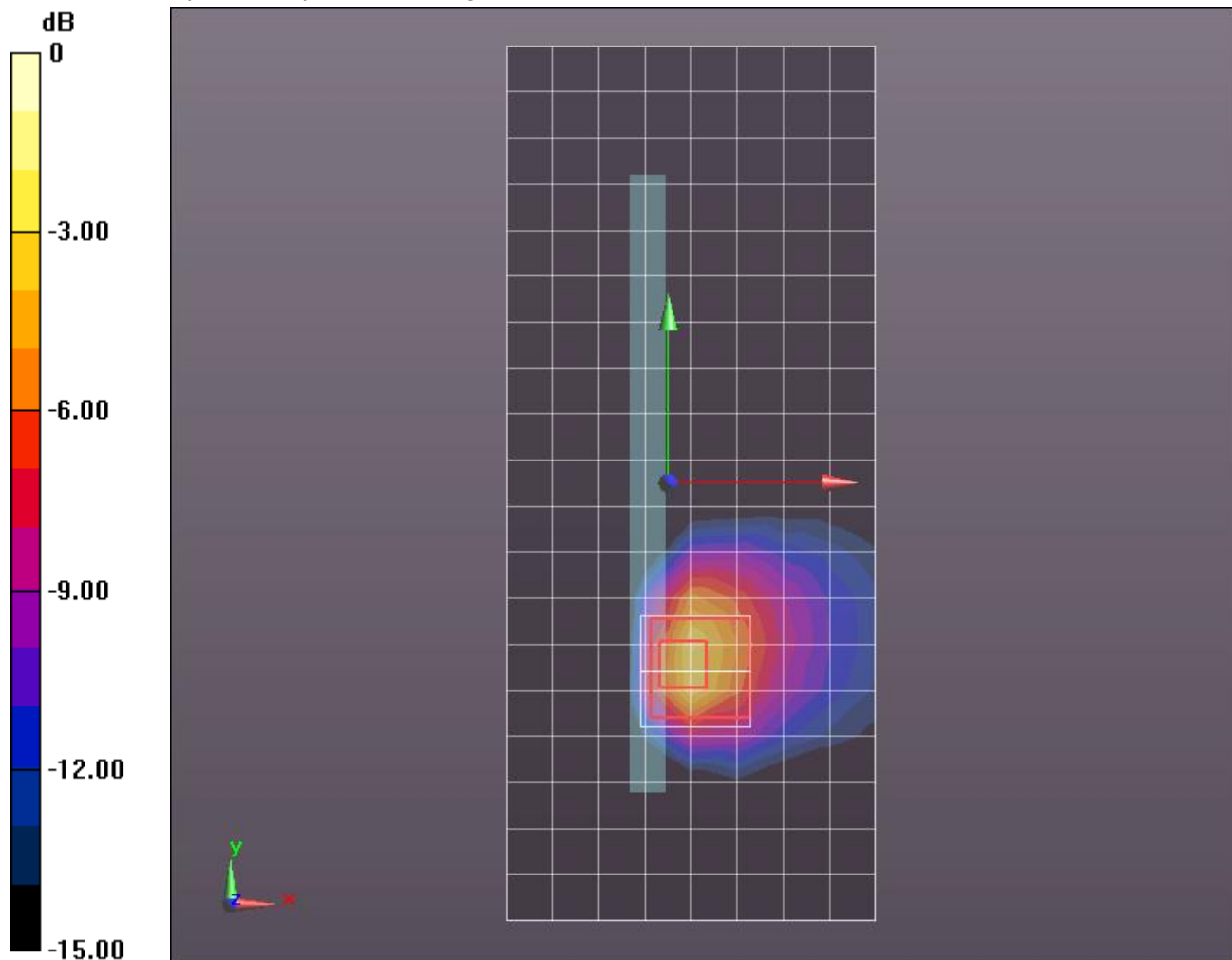
Edge 3/802.11a_Ch 165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 18.185 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.8670

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 2.364 mW/g



0 dB = 2.360mW/g = 7.46 dB mW/g

WiFi 5.2GHz (WiFi 2)

Frequency: 5230 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5230$ MHz; $\sigma = 5.387$ mho/m; $\epsilon_r = 47.548$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1263; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3778; ConvF(4.14, 4.14, 4.14); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1134

Edge 3/802.11n_HT40_Ch 46/Area Scan (9x20x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.214 mW/g

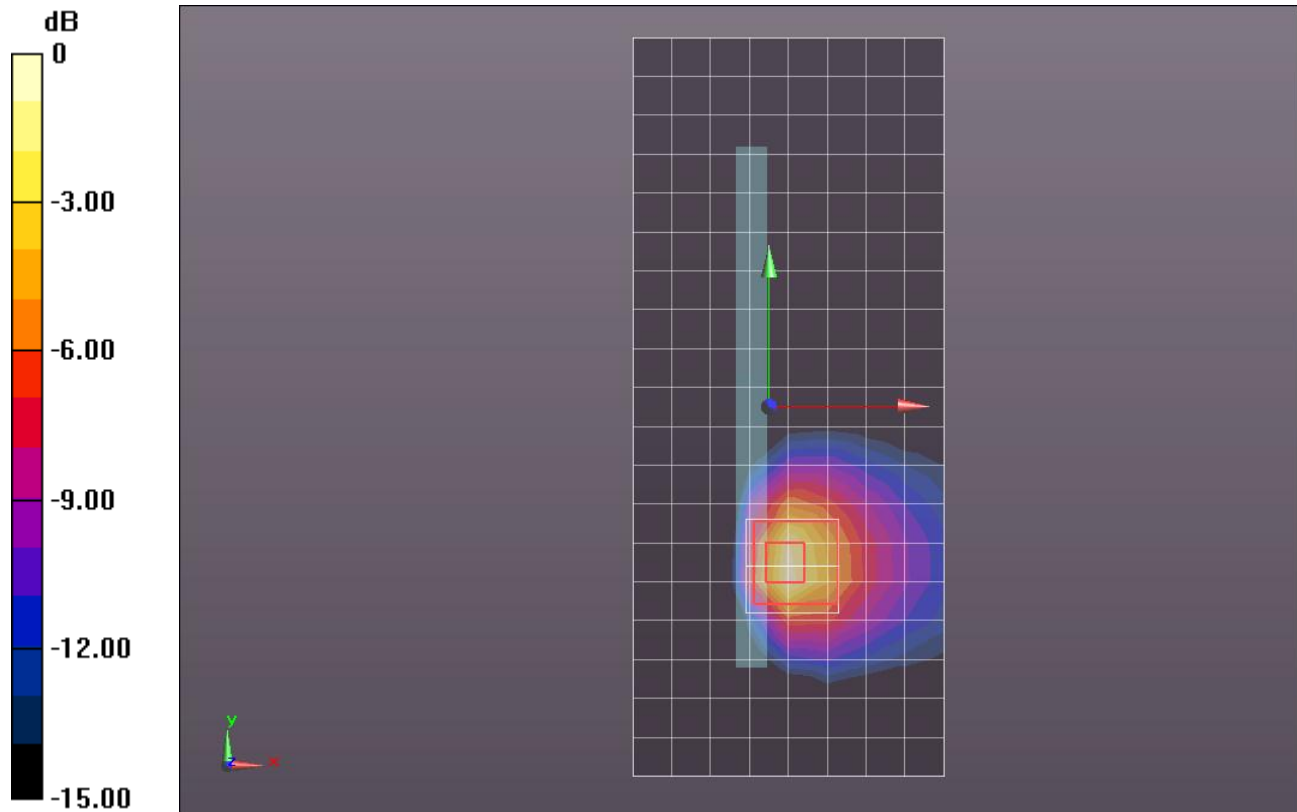
Edge 3/802.11n_HT40_Ch 46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 18.125 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.1830

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.363 mW/g

Maximum value of SAR (measured) = 2.362 mW/g



0 dB = 2.360mW/g = 7.46 dB mW/g

WiFi 5.3GHz (WiFi 1 + WiFi 2)

Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.377$ mho/m; $\epsilon_r = 48.166$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(3.98, 3.98, 3.98); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 3/802.11a_WiFi 1 + WiFi 2 Ch 52/Area Scan (9x20x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 1.180 mW/g

Edge 3/802.11a_WiFi 1 Ch 52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.024 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.0050

SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.242 mW/g

Maximum value of SAR (measured) = 1.537 mW/g

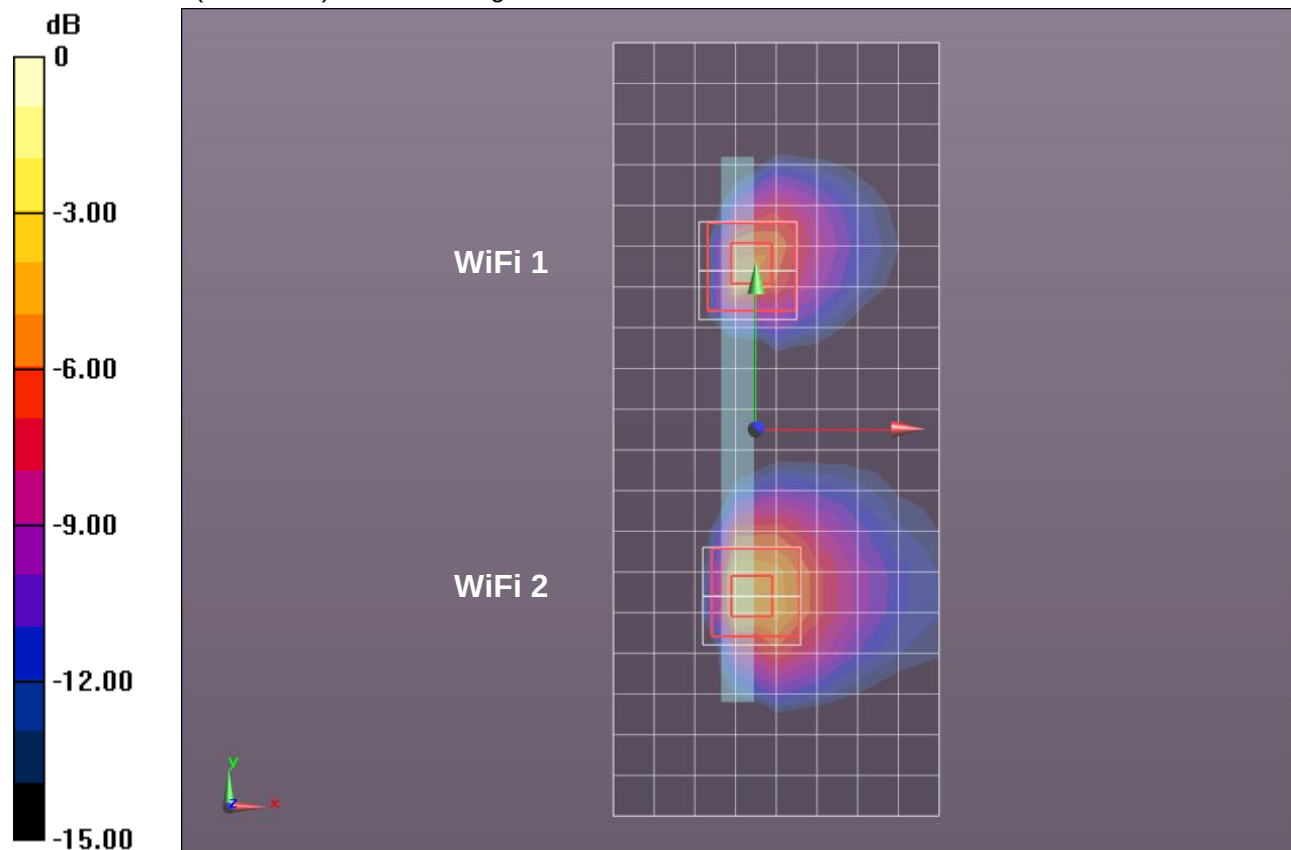
Edge 3/802.11a_WiFi 2 Ch 52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.024 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 4.7570

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.371 mW/g

Maximum value of SAR (measured) = 2.325 mW/g



0 dB = 2.330mW/g = 7.35 dB mW/g

WiFi 5.5GHz (WiFi 2)

Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5680$ MHz; $\sigma = 5.973$ mho/m; $\epsilon_r = 47.187$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3871; ConvF(3.85, 3.85, 3.85); Calibrated: 7/29/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

Edge 3/802.11a_Ch 136/Area Scan (9x20x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.405 mW/g

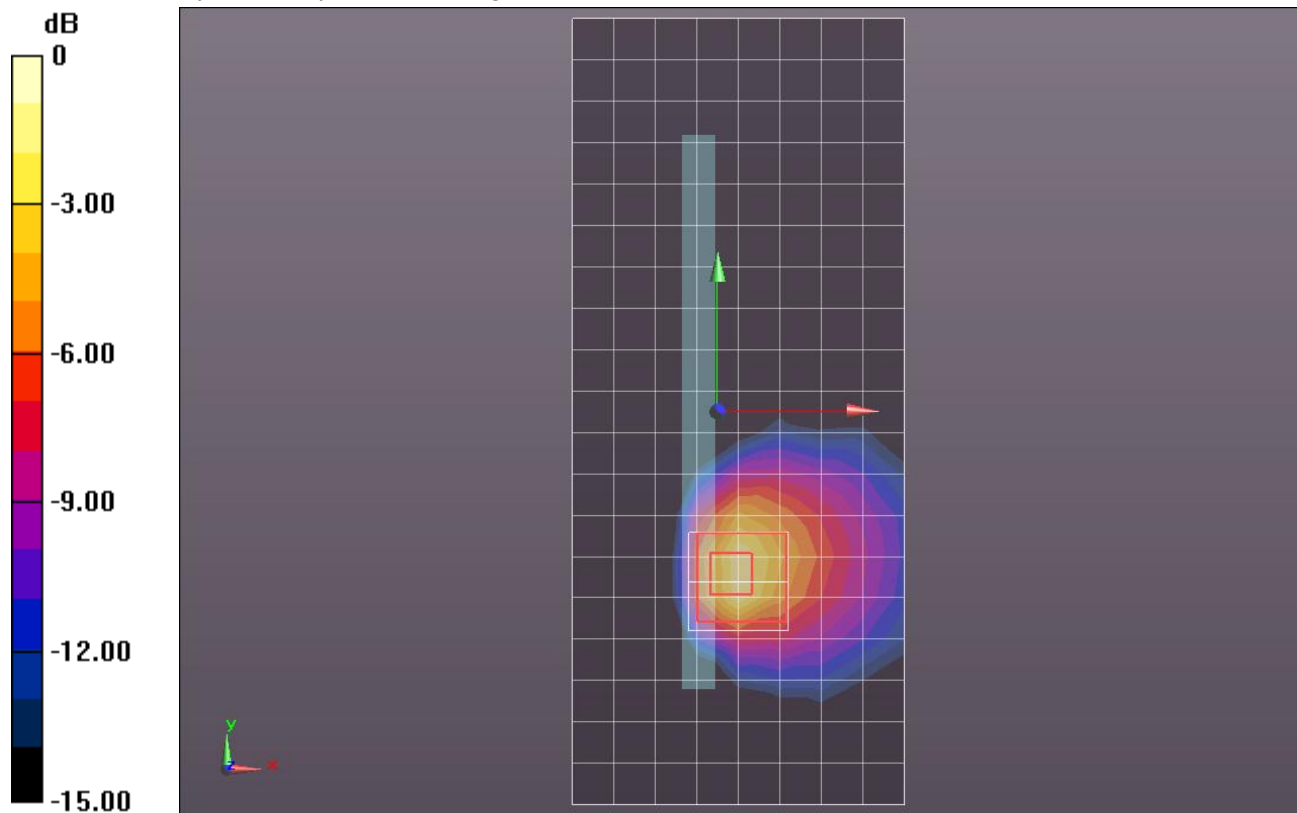
Edge 3/802.11a_Ch 136/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.073 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.9470

SAR(1 g) = 0.873 mW/g; SAR(10 g) = 0.279 mW/g

Maximum value of SAR (measured) = 1.774 mW/g



0 dB = 1.770mW/g = 4.96 dB mW/g

WiFi BT (WiFi 1)

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.959$ mho/m; $\epsilon_r = 52.009$; $\rho = 1000$ kg/m³
 DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(6.62, 6.62, 6.62); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 3/802.15 GFSK_Ch 39/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.419 mW/g

Edge 3/802.15 GFSK_Ch 39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

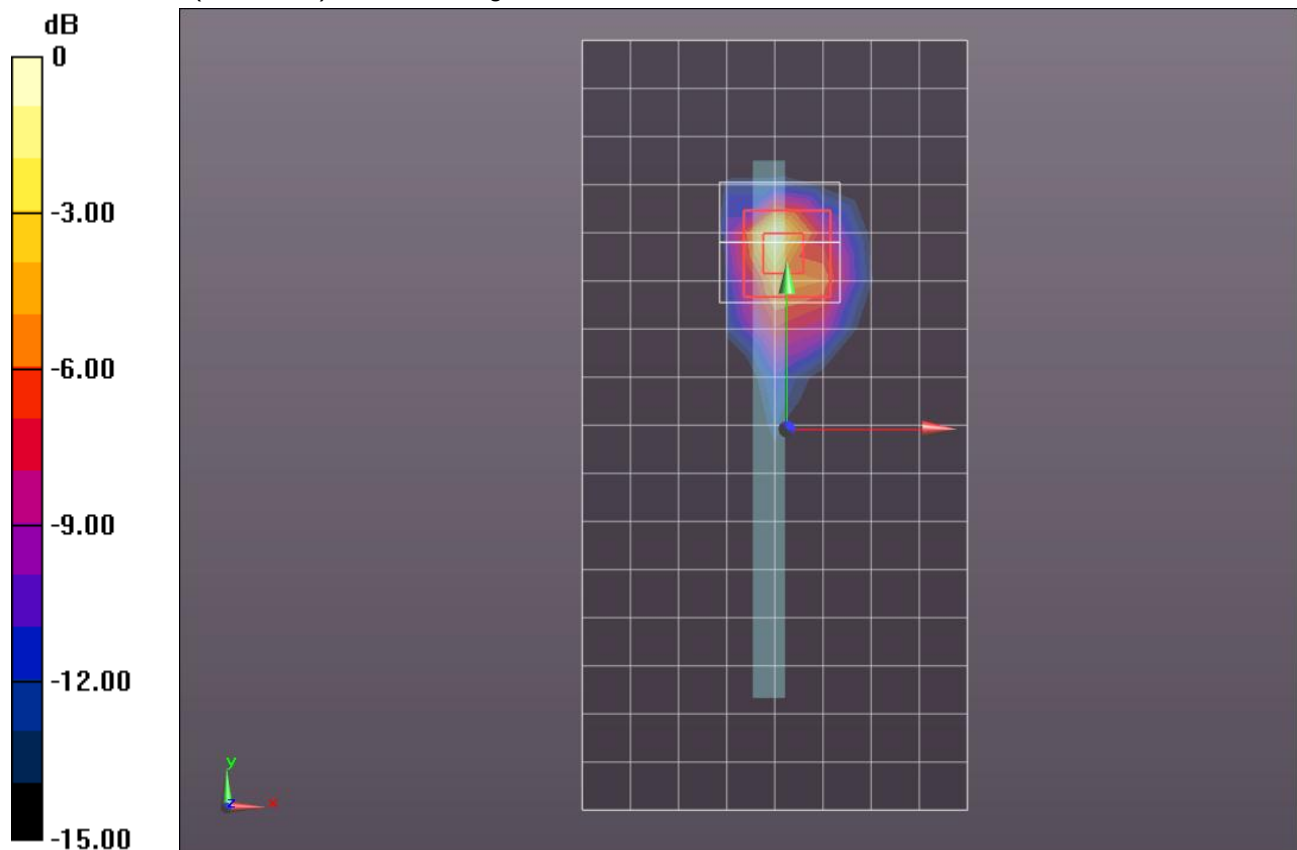
Reference Value = 14.746 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.8310

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.080 mW/g

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

Maximum value of SAR (measured) = 0.425 mW/g



0 dB = 0.420mW/g = -7.54 dB mW/g