

Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH11(2462MHz)-chain 1 Bottom**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2462

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2462 \text{ MHz}$ ;

$\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 54.278$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 1 Bottom/Area Scan**

**(61x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.020 W/kg

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 1 Bottom/Zoom Scan**

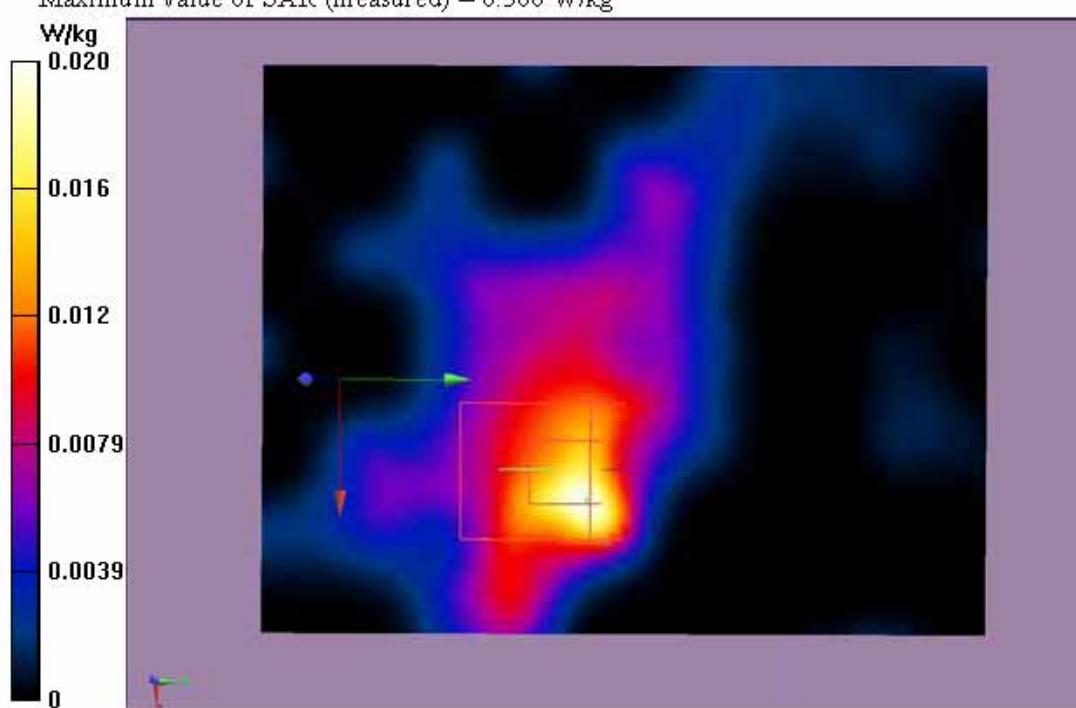
**(5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.955 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.366 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH11(2462MHz)-chain 1 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2462

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2462 \text{ MHz}$ ;

$\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 54.278$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 1 Right/Area Scan**

(51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.34 W/kg

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 1 Right/Zoom Scan**

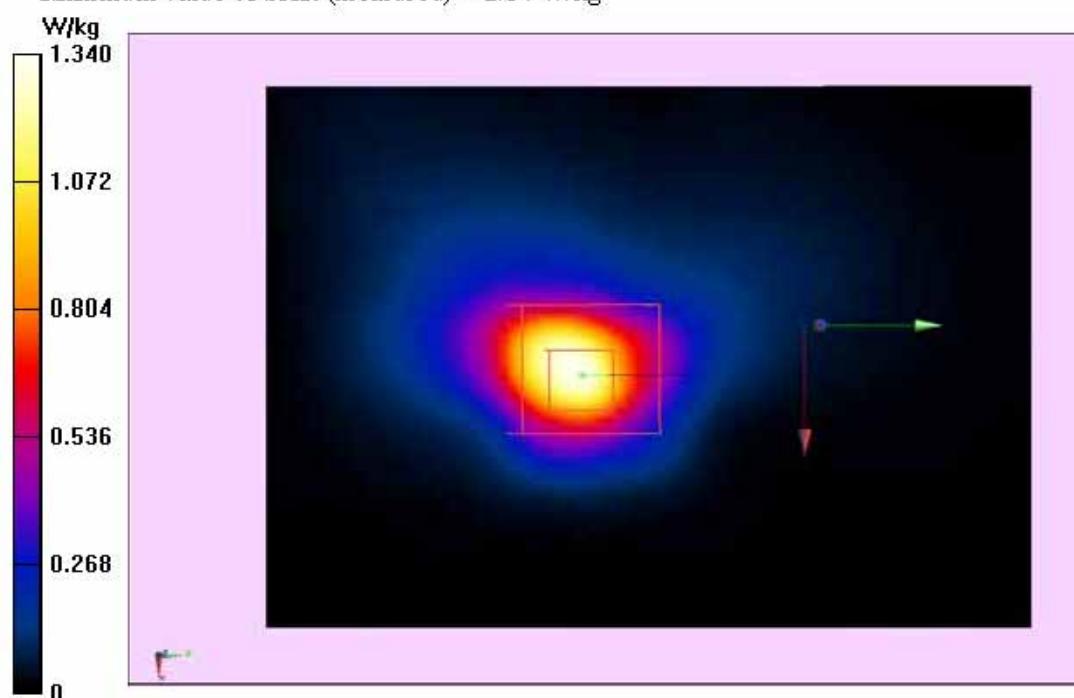
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.75 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.541 W/kg

Maximum value of SAR (measured) = 2.84 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

### 802.11nHT20\_CH1(2412MHz)-chain2 Back

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2412

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2412 \text{ MHz}$ ;

$\sigma = 1.928 \text{ S/m}$ ;  $\epsilon_r = 54.466$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### Configuration/802.11nHT20\_CH1(2412MHz)-chain 2 Back/Area Scan

(61x81x1): Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0472 W/kg

### Configuration/802.11nHT20\_CH1(2412MHz)-chain 2 Back/Zoom Scan

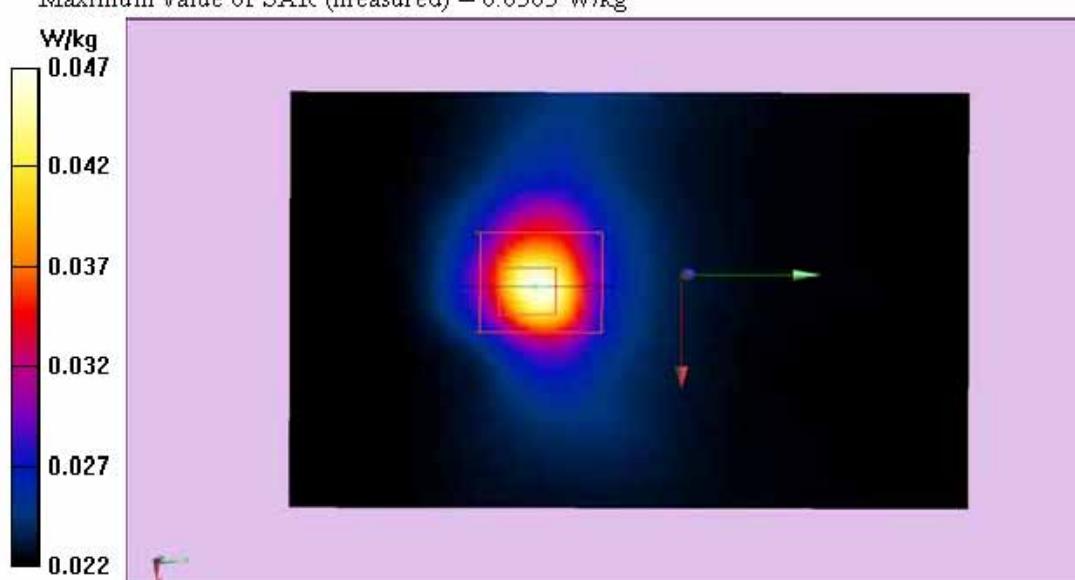
(5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.614 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.145 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.0505 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH1(2412MHz)-chain2 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2412

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2412 \text{ MHz}$ ;

$\sigma = 1.928 \text{ S/m}$ ;  $\epsilon_r = 54.466$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH1(2412MHz)-chain 2 Right/Area Scan**

(81x91x1): Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.626 W/kg

**ssConfiguration/802.11nHT20\_CH1(2412MHz)-chain 2 Right/Zoom Scan**

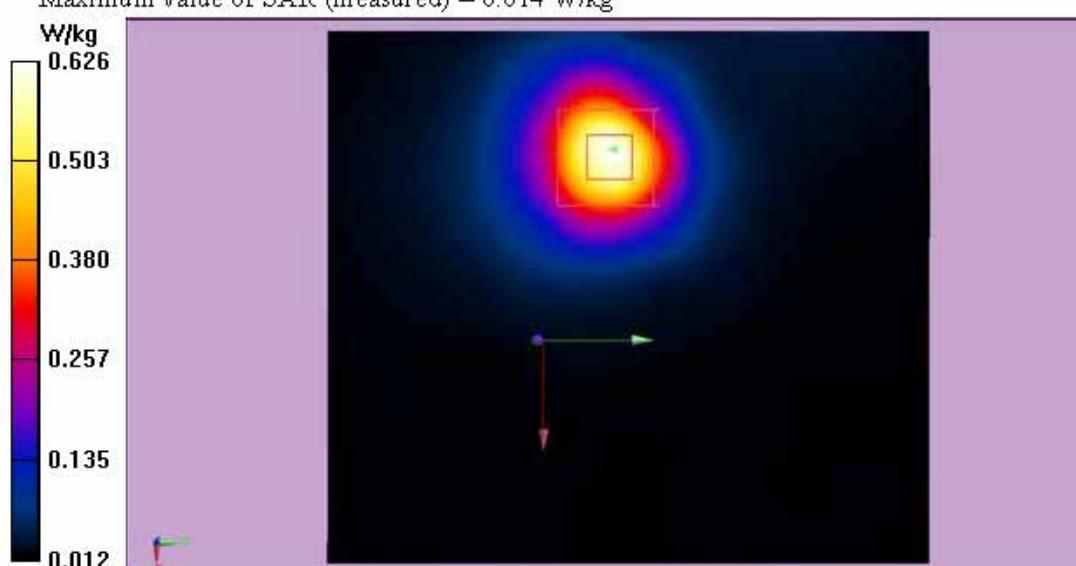
(5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.722 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.566 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 0.614 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH1(2412MHz)-chain2 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2412

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2412 \text{ MHz}$ ;

$\sigma = 1.928 \text{ S/m}$ ;  $\epsilon_r = 54.466$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH1(2412MHz)-chain 2 Top/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.13 W/kg

**Configuration/802.11nHT20\_CH1(2412MHz)-chain 2 Top/Zoom Scan**

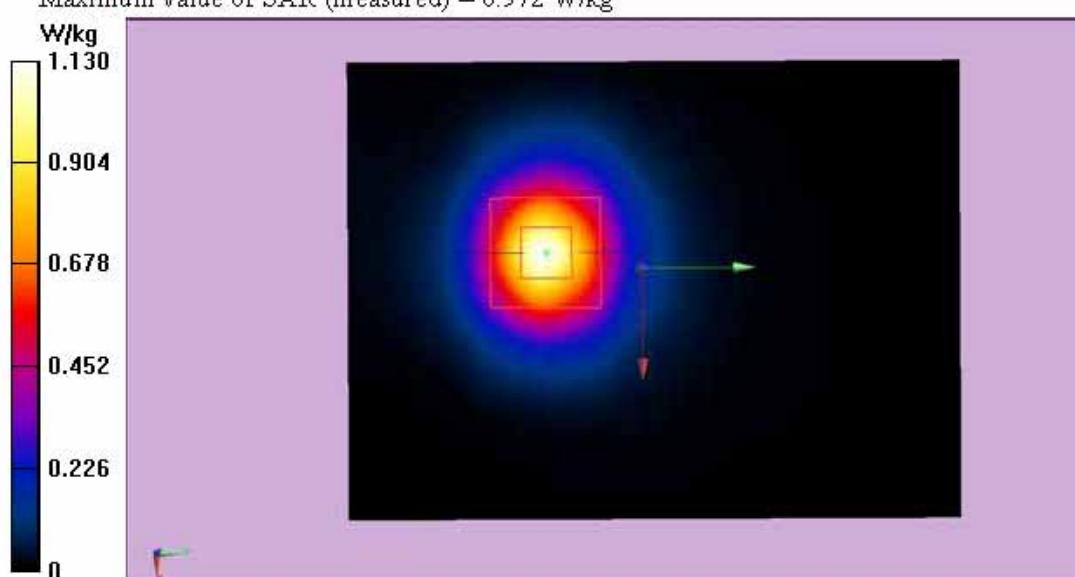
**(5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.507 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.402 W/kg

Maximum value of SAR (measured) = 0.972 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH6(2437MHz)-chain2 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$

MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 2 Back/Area Scan**

(91x101x1): Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0520 W/kg

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 2 Back/Zoom Scan**

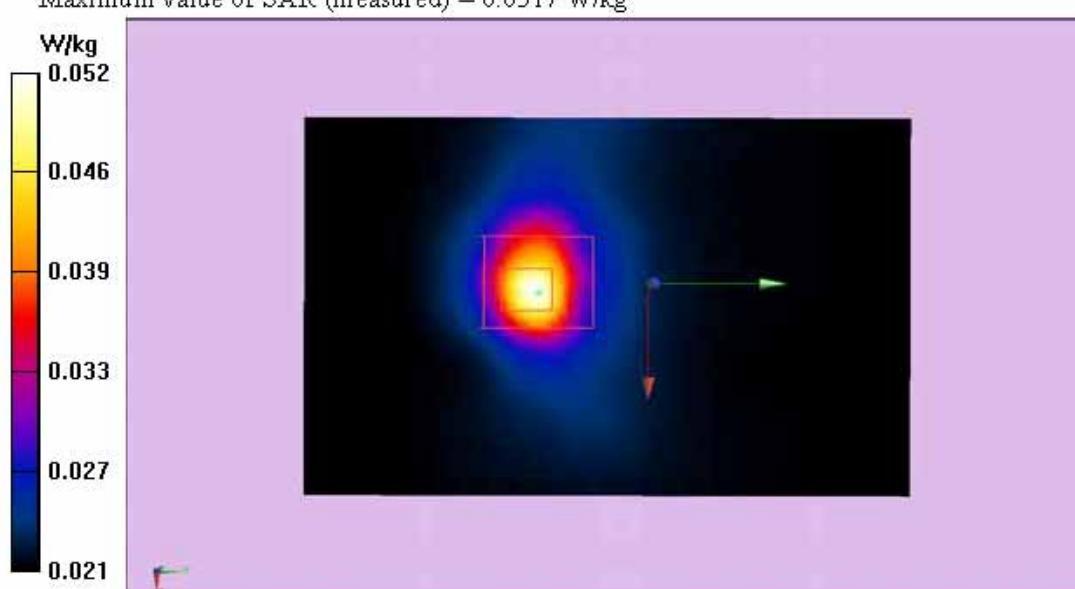
(5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.793 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0870 W/kg

SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.041 W/kg

Maximum value of SAR (measured) = 0.0517 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH6(2437MHz)-chain2 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$

MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 2 Right/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.665 W/kg

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 2 Right/Zoom Scan**

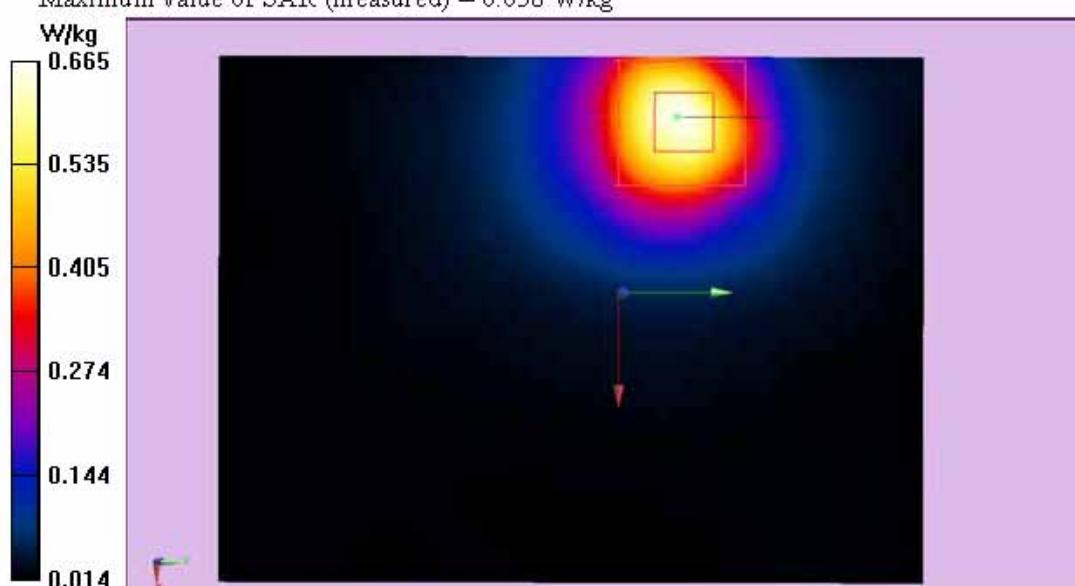
**(5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.230 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.638 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH6(2437MHz)-chain2 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$

MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 2 Top/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.09 W/kg

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 2 Top/Zoom Scan**

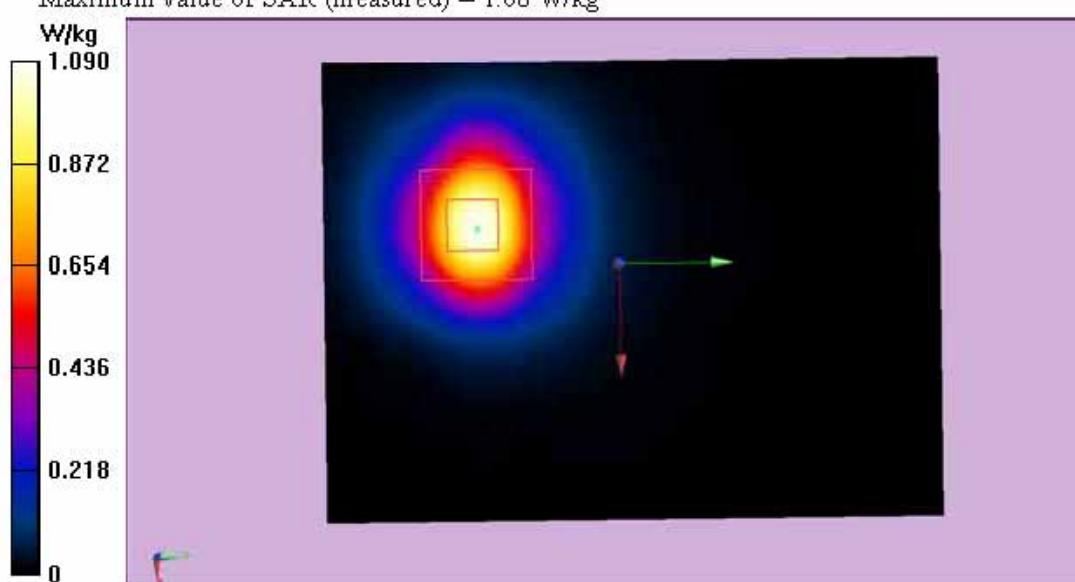
**(5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.621 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.445 W/kg

Maximum value of SAR (measured) = 1.08 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

### 802.11nHT20\_CH11(2462MHz)-chain2 Back

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2462

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2462 \text{ MHz}$ ;

$\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 54.278$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### Configuration/802.11nHT20\_CH11(2462MHz)-chain 2 Back/Area Scan

(91x101x1): Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0514 W/kg

### Configuration/802.11nHT20\_CH11(2462MHz)-chain 2 Back/Zoom Scan

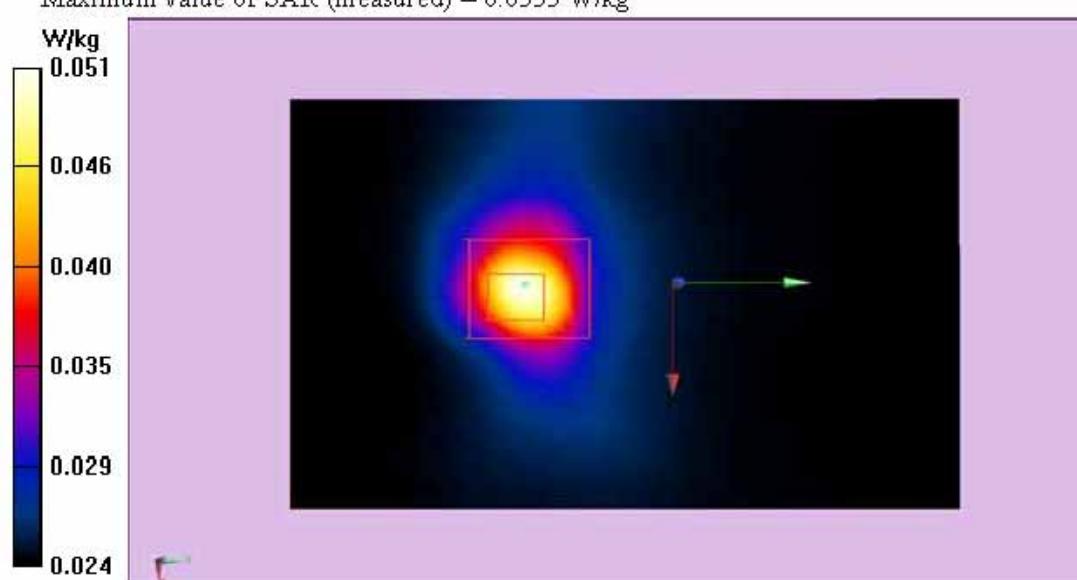
(5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.110 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0780 W/kg

SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.0555 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH11(2462MHz)-chain2 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2462

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2462 \text{ MHz}$ ;

$\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 54.278$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 2 Right/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.794 W/kg

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 2 Right/Zoom Scan**

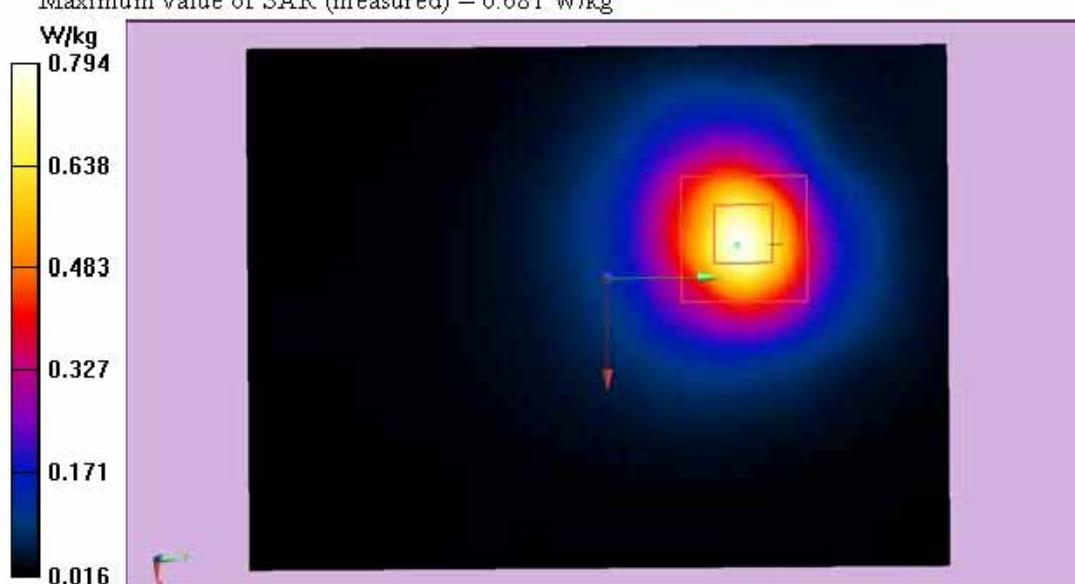
**(5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.285 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.308 W/kg

Maximum value of SAR (measured) = 0.681 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH11(2462MHz)-chain2 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2462

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2462 \text{ MHz}$ ;

$\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 54.278$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 2 Top/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.941 W/kg

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 2 Top/Zoom Scan**

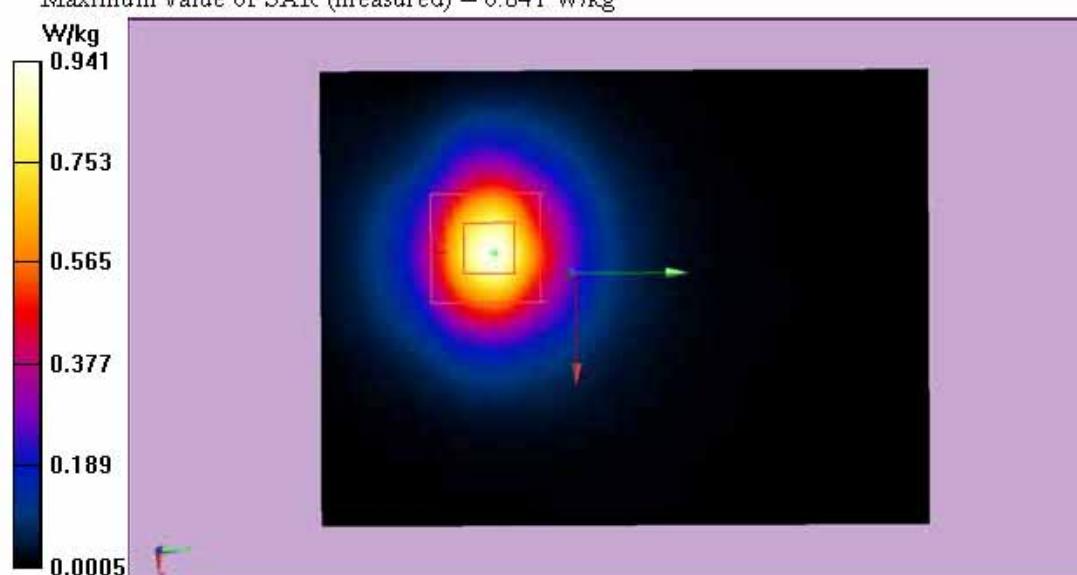
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.157 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.362 W/kg

Maximum value of SAR (measured) = 0.841 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH1(2412MHz)-chain3 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2412

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2412 \text{ MHz}$ ;

$\sigma = 1.928 \text{ S/m}$ ;  $\epsilon_r = 54.466$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH1(2412MHz)-chain 3 Top/Area Scan**

(81x91x1): Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.73 W/kg

**Configuration/802.11nHT20\_CH1(2412MHz)-chain 3 Top/Zoom Scan**

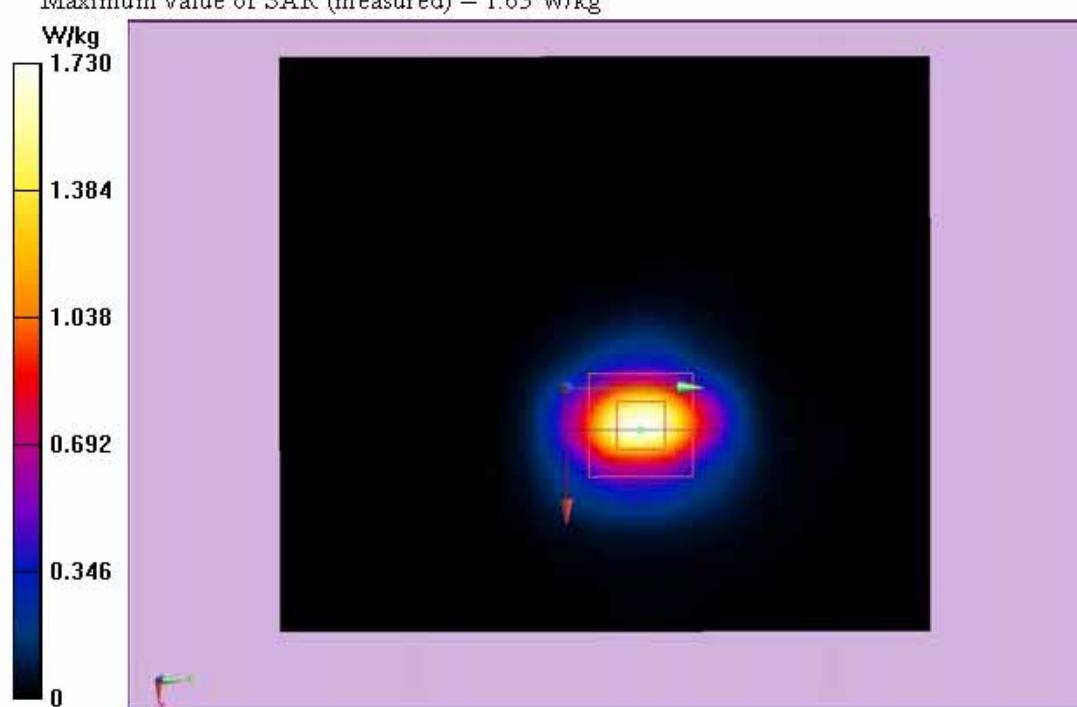
(5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.80 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.30 W/kg

SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.603 W/kg

Maximum value of SAR (measured) = 1.63 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH1(2412MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2412

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2412 \text{ MHz}$ ;

$\sigma = 1.928 \text{ S/m}$ ;  $\epsilon_r = 54.466$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH1(2412MHz)-chain 3 Back/Area Scan**

(81x91x1): Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0146 W/kg

**Configuration/802.11nHT20\_CH1(2412MHz)-chain 3 Back/Zoom Scan**

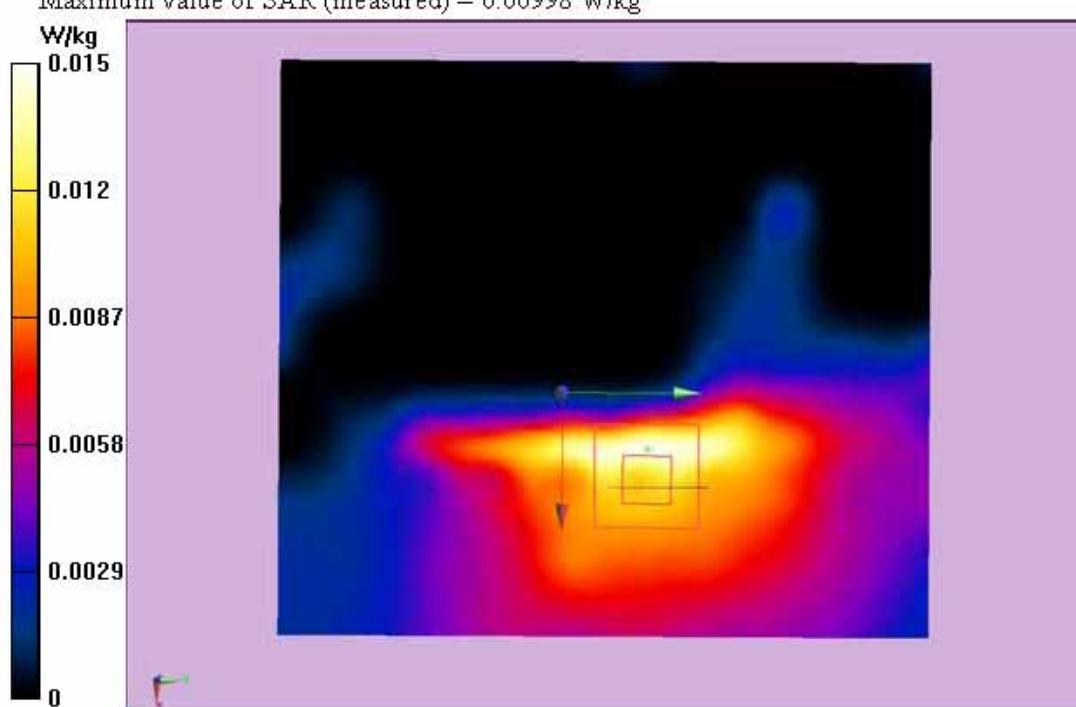
(5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.358 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0170 W/kg

SAR(1 g) = 0.00916 W/kg; SAR(10 g) = 0.00522 W/kg

Maximum value of SAR (measured) = 0.00998 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH6(2437MHz)-chain3 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2437$  MHz;

$\sigma = 1.962$  S/m;  $\epsilon_r = 54.384$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 3 Top/Area Scan**

(81x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.71 W/kg

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 3 Top/Zoom Scan**

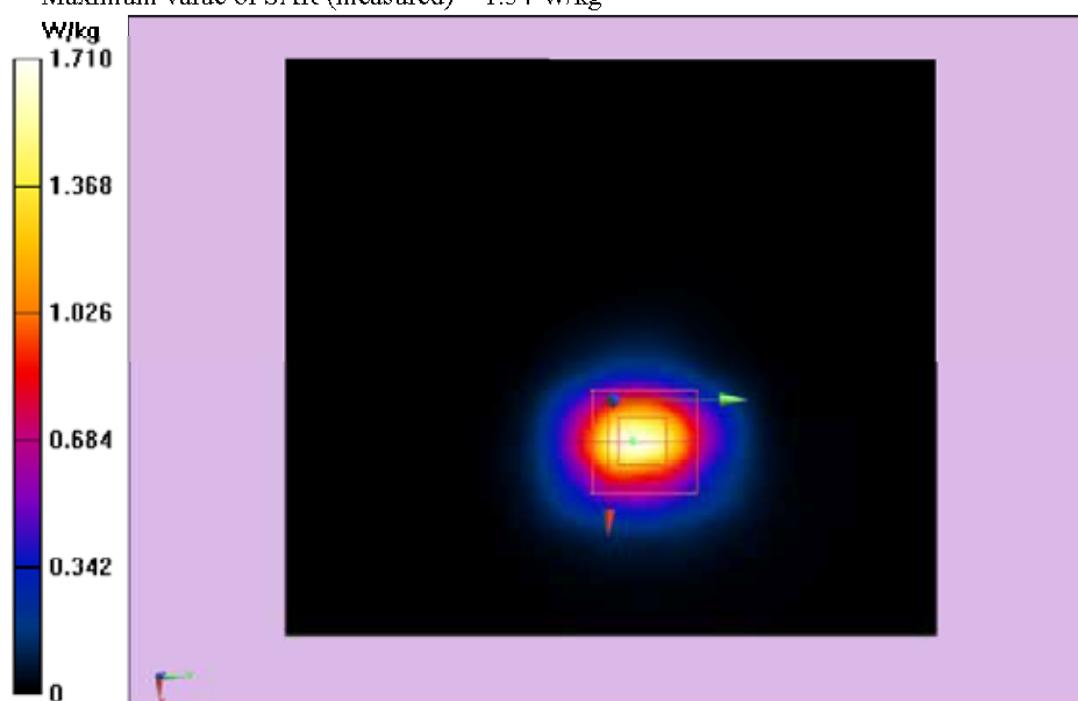
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.03 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 0.988W/kg; SAR(10 g) = 0.581 W/kg

Maximum value of SAR (measured) = 1.54 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH6(2437MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2437 \text{ MHz}$ ;

$\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 3 Back/Area Scan**

**(81x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0123 W/kg

**Configuration/802.11nHT20\_CH6(2437MHz)-chain 3 Back/Zoom Scan**

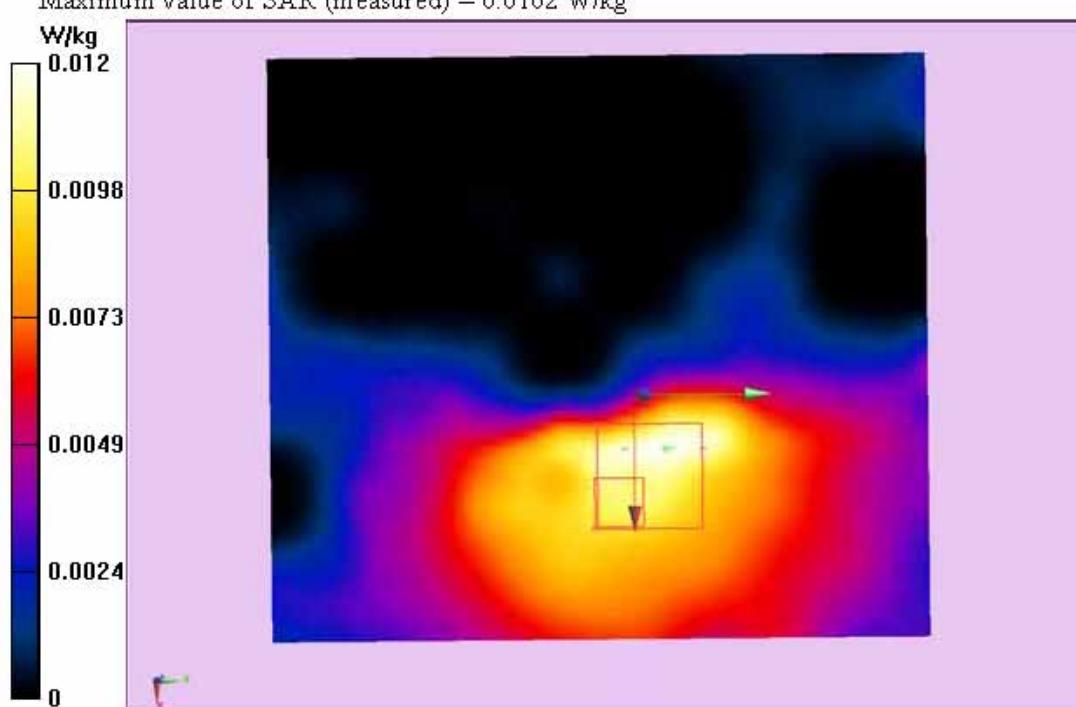
**(5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.363 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.0160 W/kg

SAR(1 g) = 0.00921 W/kg; SAR(10 g) = 0.0054 W/kg

Maximum value of SAR (measured) = 0.0102 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH11(2462MHz)-chain3 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2462

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2462$  MHz;

$\sigma = 1.996$  S/m;  $\epsilon_r = 54.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_C11(2462MHz)-chain 3 Top/Area Scan**

(81x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.70 W/kg

**Configuration/802.11nHT20\_C11(2462MHz)-chain 3 Top/Zoom Scan**

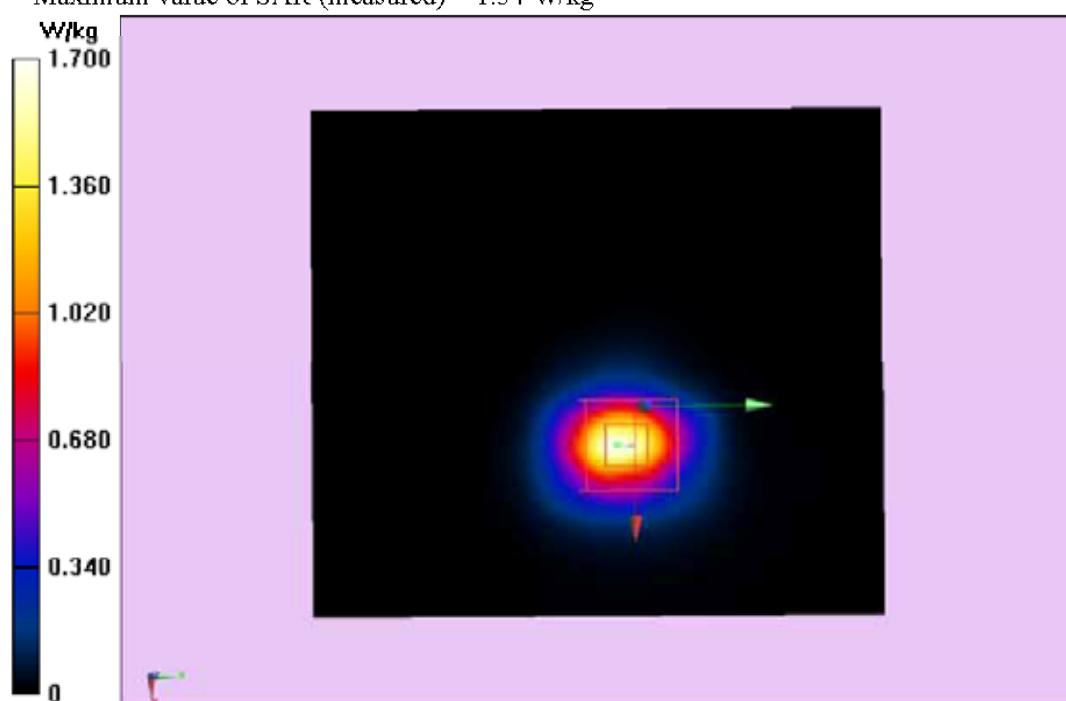
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.02 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 0.976 W/kg; SAR(10 g) = 0.575 W/kg

Maximum value of SAR (measured) = 1.54 W/kg



Test Laboratory: Audix SAR Lab

Date: 01/12/2014

**802.11nHT20\_CH11(2462MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT20 WiFi 2.4 GHz (OFDM, 6.5 Mbps) (0);

Communication System Band: ISM 2.4GHz Band(2400-2483.5MHz); Frequency: 2462

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2462 \text{ MHz}$ ;

$\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 54.278$ ;  $\rho = 1000 \text{ kg/m}^3$  Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 3 Back/Area Scan**

(81x91x1): Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0130 W/kg

**Configuration/802.11nHT20\_CH11(2462MHz)-chain 3 Back/Zoom Scan**

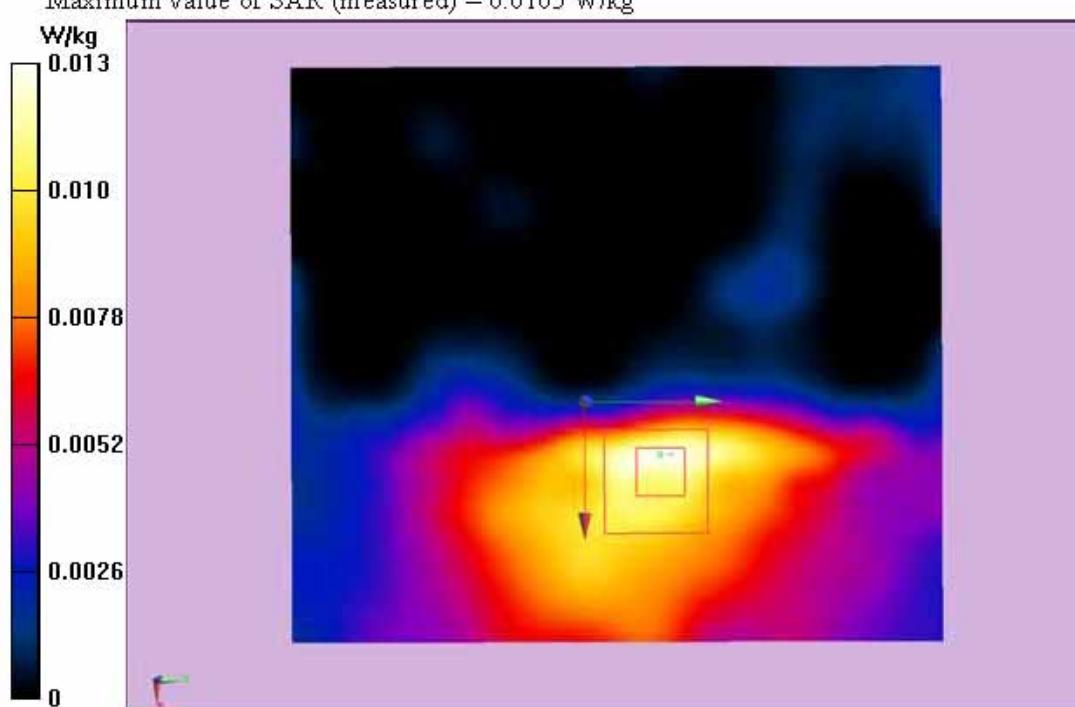
(5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.313 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0170 W/kg

SAR(1 g) = 0.00957 W/kg; SAR(10 g) = 0.00548 W/kg

Maximum value of SAR (measured) = 0.0105 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH3(2422MHz)-chain 1 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2422

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2422 \text{ MHz}$ ;

$\sigma = 1.939 \text{ S/m}$ ;  $\epsilon_r = 54.403$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 1 Back/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.047 W/kg

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 1 Back/Zoom Scan**

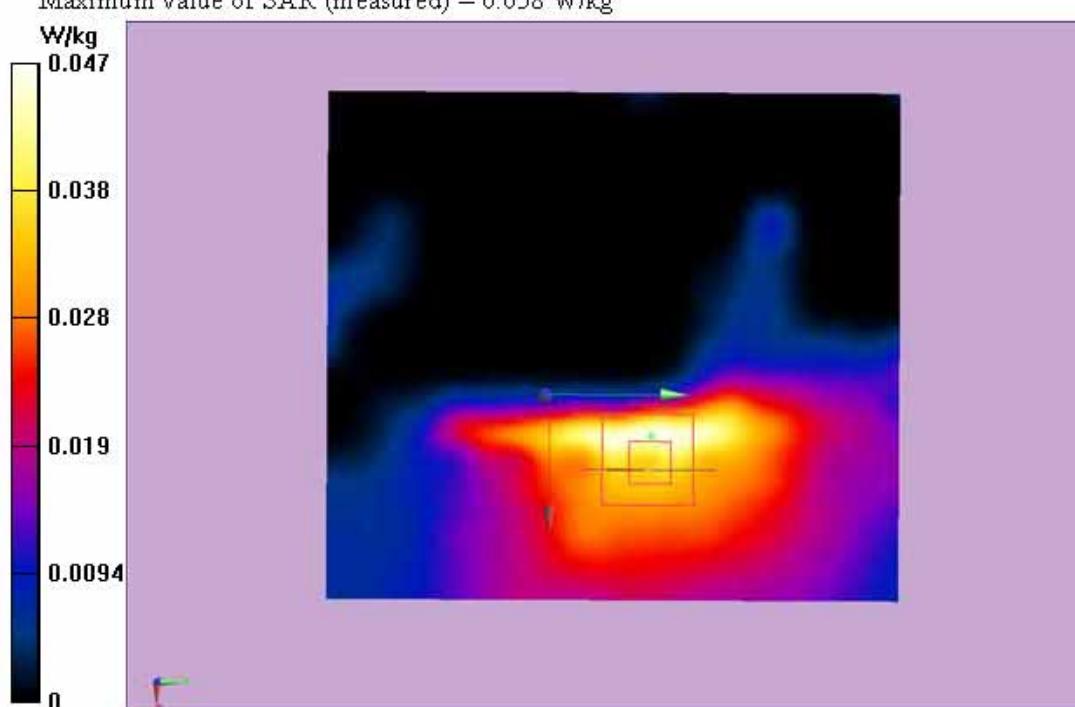
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.91 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.067 W/kg

SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.0247 W/kg

Maximum value of SAR (measured) = 0.058 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH3(2422MHz)-chain 1 Bottom**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2422

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2422$  MHz;

$\sigma = 1.939$  S/m;  $\epsilon_r = 54.403$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 1 Bottom/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.079 W/kg

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 1 Bottom/Zoom Scan**

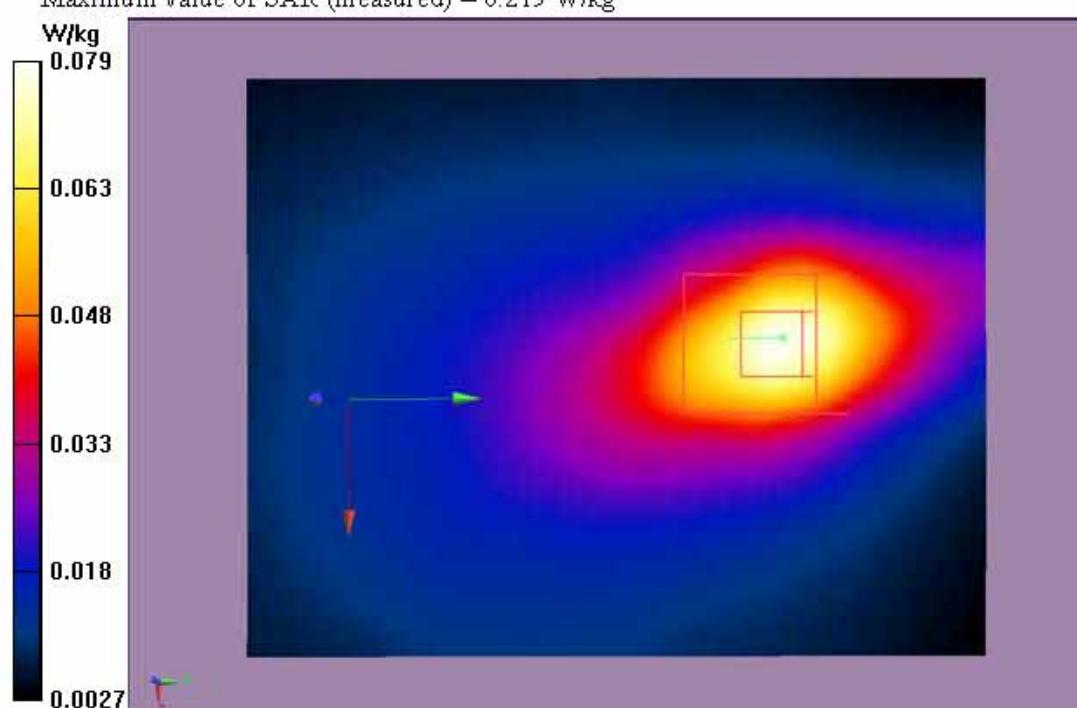
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.11 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.0417 W/kg

Maximum value of SAR (measured) = 0.219 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH3(2422MHz)-chain 1 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11n HT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2422

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2422$  MHz;

$\sigma = 1.939$  S/m;  $\epsilon_r = 54.403$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 1 Right/Area Scan**

(61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.61 W/kg

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 1 Right/Zoom Scan**

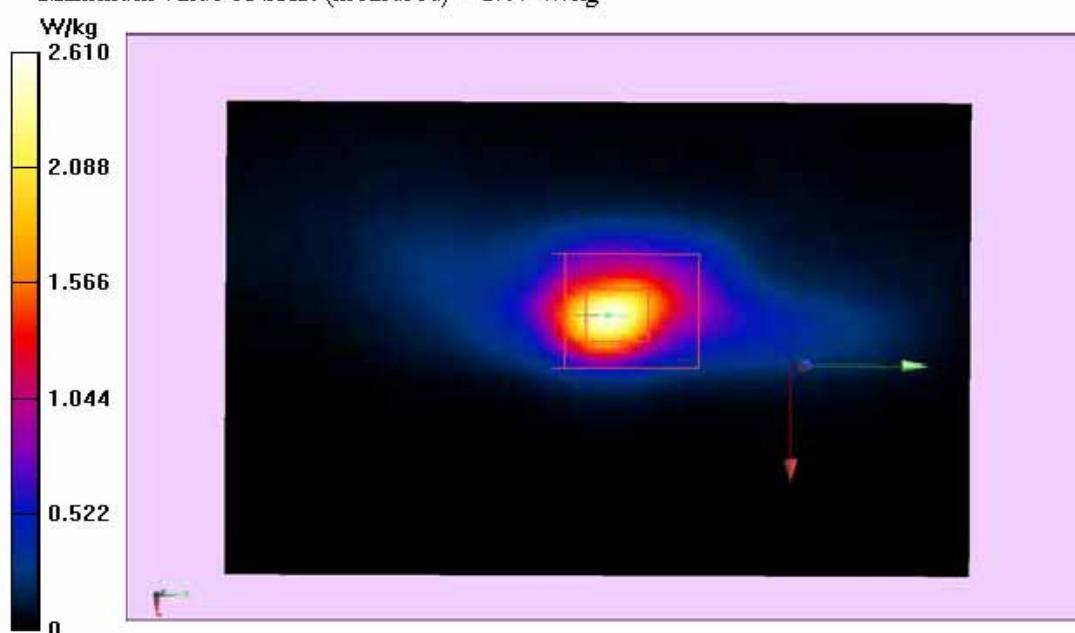
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

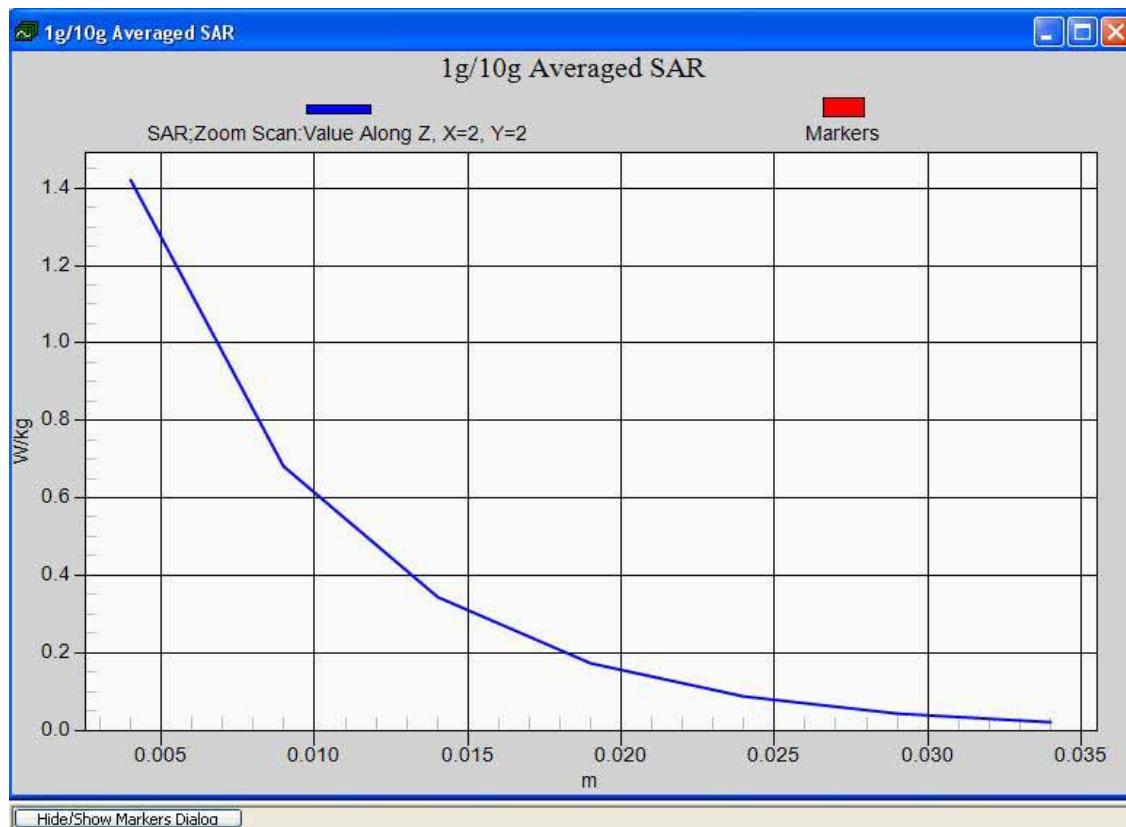
Reference Value = 18.91 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.67 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.649 W/kg

Maximum value of SAR (measured) = 2.67 W/kg





Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH6(2437MHz)-chain 1 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$

MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 1 Back/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ ;

Maximum value of SAR (interpolated) = 0.109 W/kg

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 1 Back/Zoom Scan**

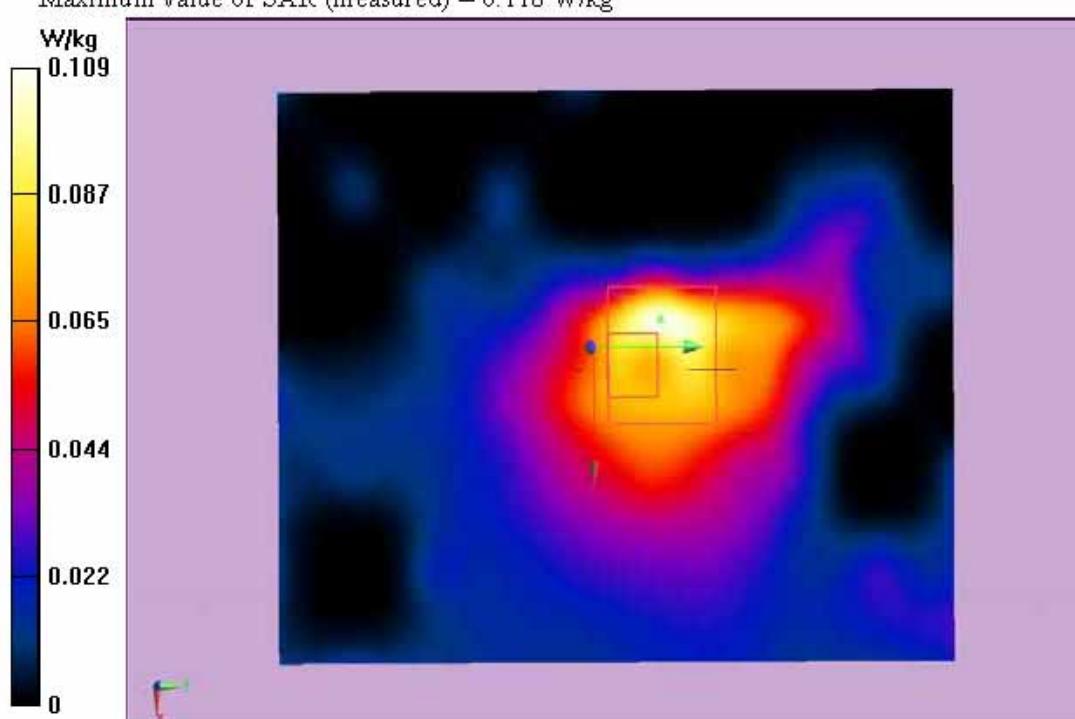
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.175 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.114 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.0678 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



**Test Laboratory:** Audix SAR Lab**Date:** 02/12/2014**802.11n HT40\_CH6(2437MHz)-chain 1 Bottom****DUT:** WiFi Advisor**M/N:**WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$ MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 1 Bottom/Area Scan****(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm;

Maximum value of SAR (interpolated) = 0.093 W/kg

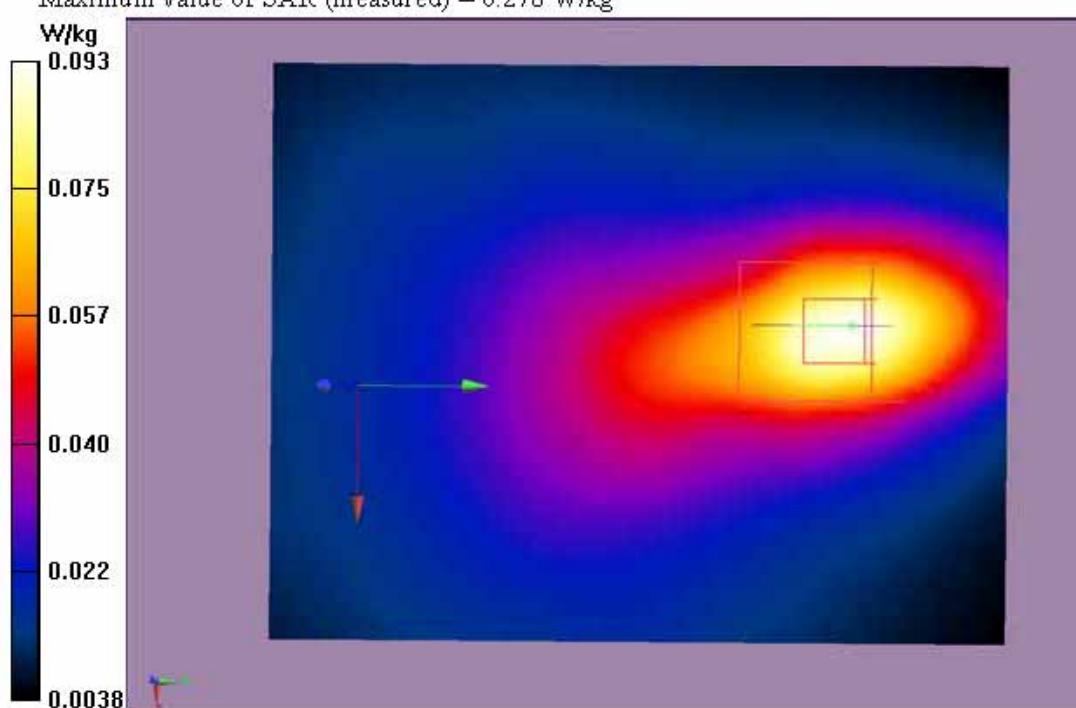
**Configuration/802.11n HT40\_CH6(2437MHz)-chain 1 Bottom/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.645 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.037 W/kg

Maximum value of SAR (measured) = 0.278 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH6(2437MHz)-chain 1 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 1 Right/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ ;

Maximum value of SAR (interpolated) = 2.66 W/kg

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 1 Right/Zoom Scan**

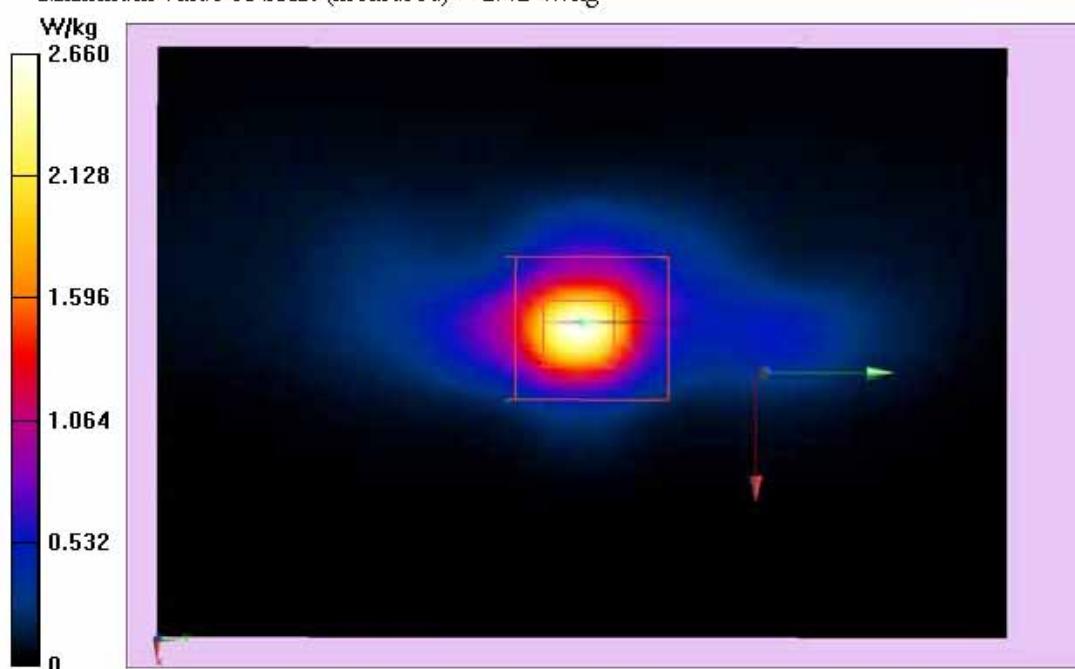
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.15 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 6.52 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.655 W/kg

Maximum value of SAR (measured) = 2.42 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH9(2452MHz)-chain 1 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2452

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2452$  MHz;

$\sigma = 1.964$  S/m;  $\epsilon_r = 54.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Back/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.087 W/kg

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Back/Zoom Scan**

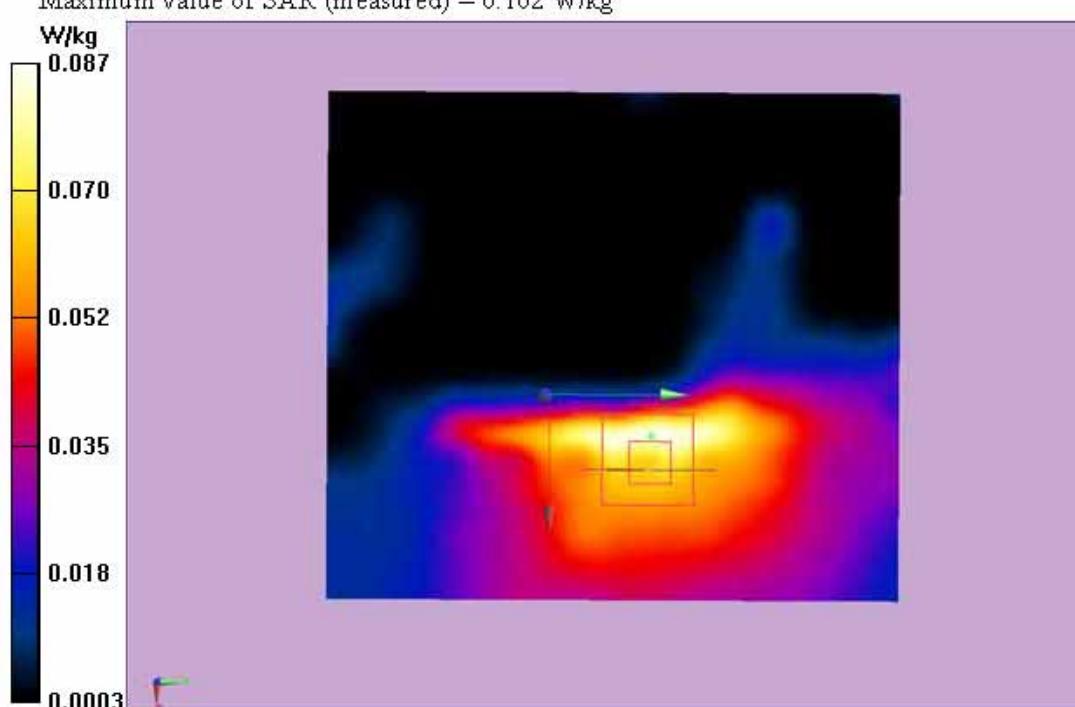
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.78 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.0472 W/kg

Maximum value of SAR (measured) = 0.102 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH9(2452MHz)-chain 1 Bottom**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2452

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2452$  MHz;

$\sigma = 1.964$  S/m;  $\epsilon_r = 54.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Bottom/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.086 W/kg

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Bottom/Zoom Scan**

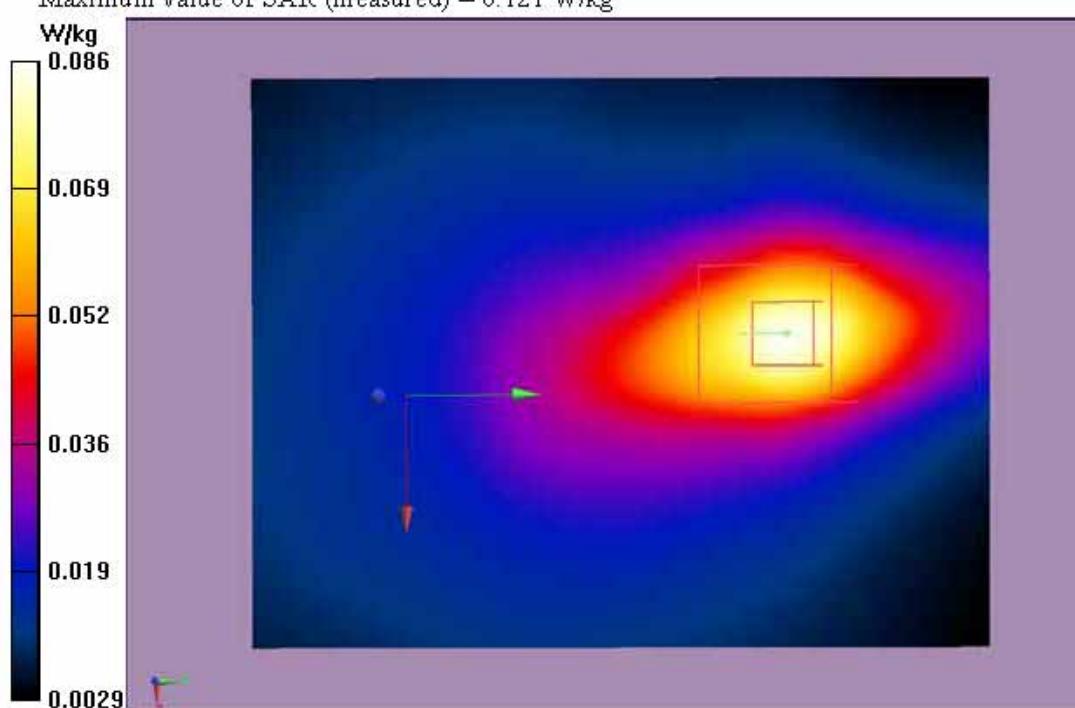
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.14 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.121 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH9(2452MHz)-chain 1 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2452

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2452$  MHz;

$\sigma = 1.964$  S/m;  $\epsilon_r = 54.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Right/Area Scan**

(61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.91 W/kg

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Right/Zoom Scan**

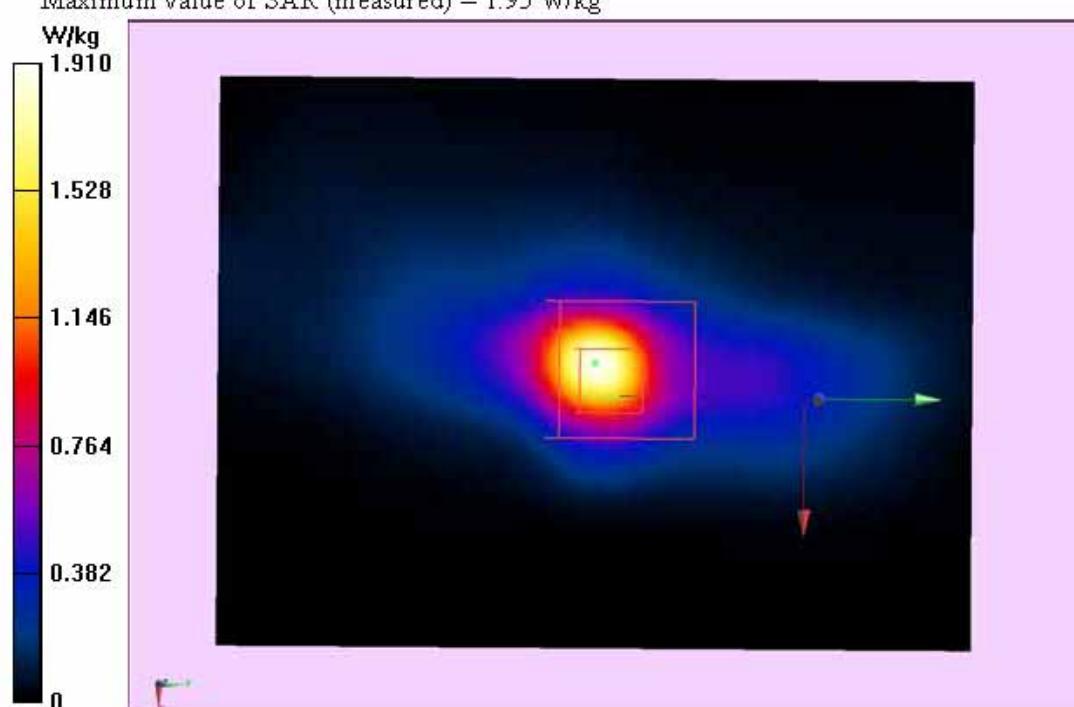
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.78 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 5.33 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.482 W/kg

Maximum value of SAR (measured) = 1.95 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH3(2422MHz)-chain 2 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2422

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2422 \text{ MHz}$ ;

$\sigma = 1.939 \text{ S/m}$ ;  $\epsilon_r = 54.403$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 2 Top/Area Scan**

(61x81x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.018 W/kg

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 2 Top/Zoom Scan**

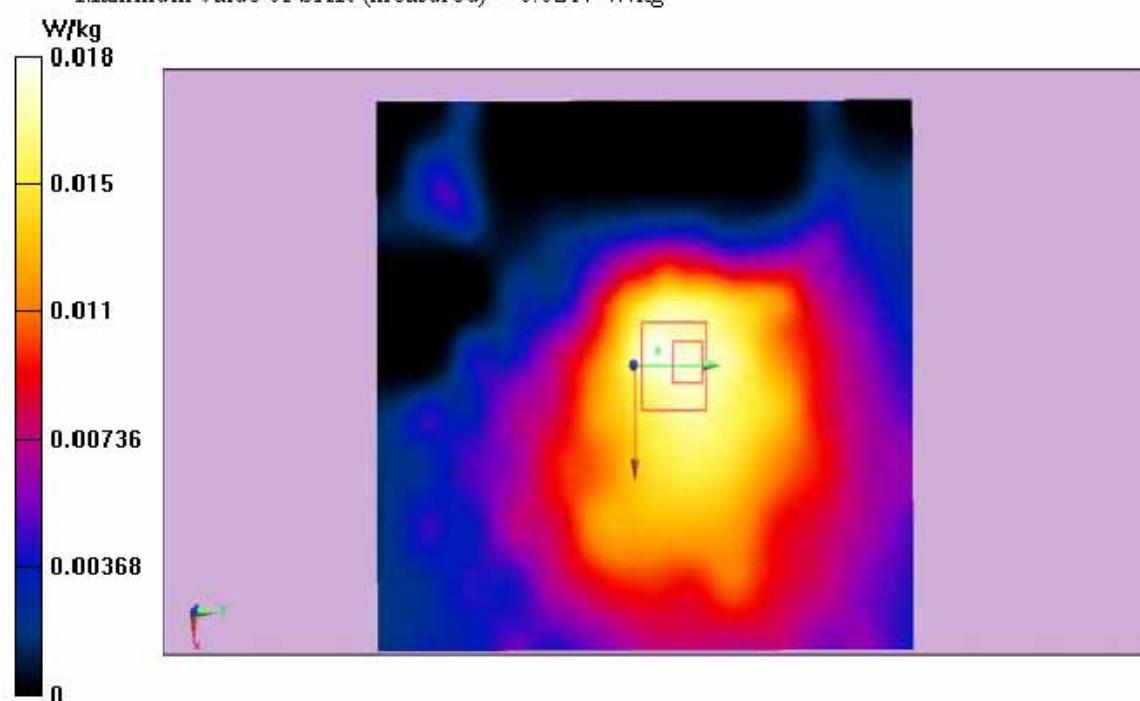
(7x7x7)/Cube 0: Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.714 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.021W/kg

SAR(1 g) = 0.0231 W/kg; SAR(10 g) = 0.012 W/kg

Maximum value of SAR (measured) = 0.0217 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH3(2422MHz)-chain 2 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2422

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2422 \text{ MHz}$ ;

$\sigma = 1.939 \text{ S/m}$ ;  $\epsilon_r = 54.403$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 2 Right/Area Scan**

(61x81x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.306 W/kg

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 2 Right/Zoom Scan**

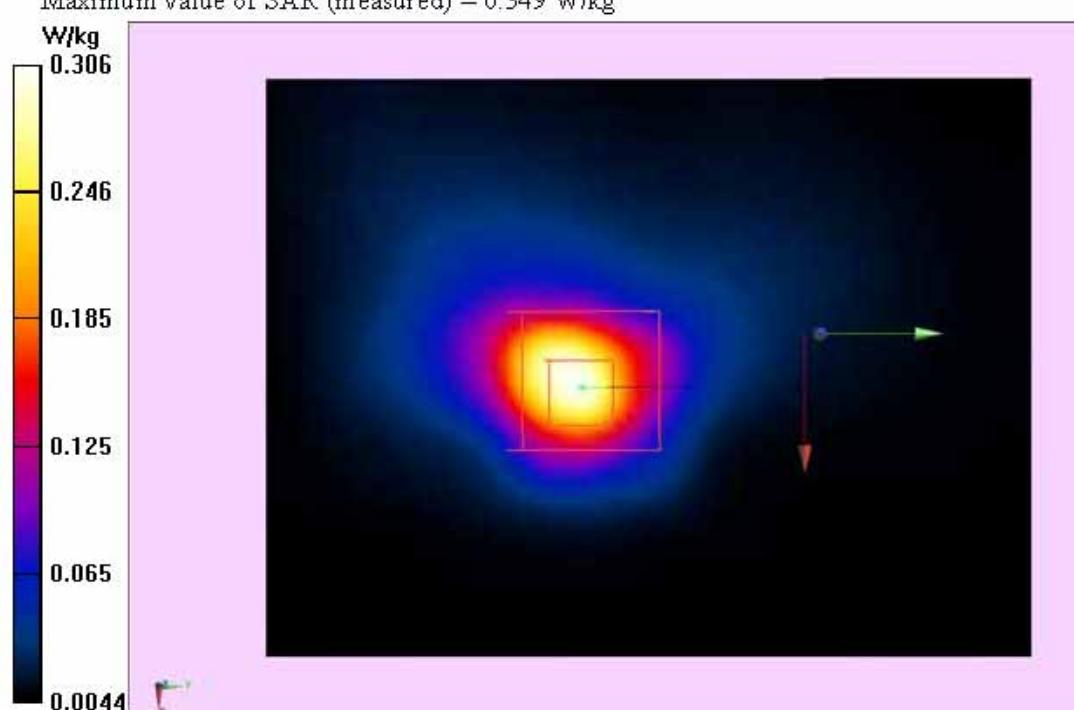
(7x7x7)/Cube 0: Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.126 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.871 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.349 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH3(2422MHz)-chain 2 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2422

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2422 \text{ MHz}$ ;

$\sigma = 1.939 \text{ S/m}$ ;  $\epsilon_r = 54.403$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 2 Top/Area Scan**

(61x81x1):

Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.080 W/kg

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 2 Top/Zoom Scan**

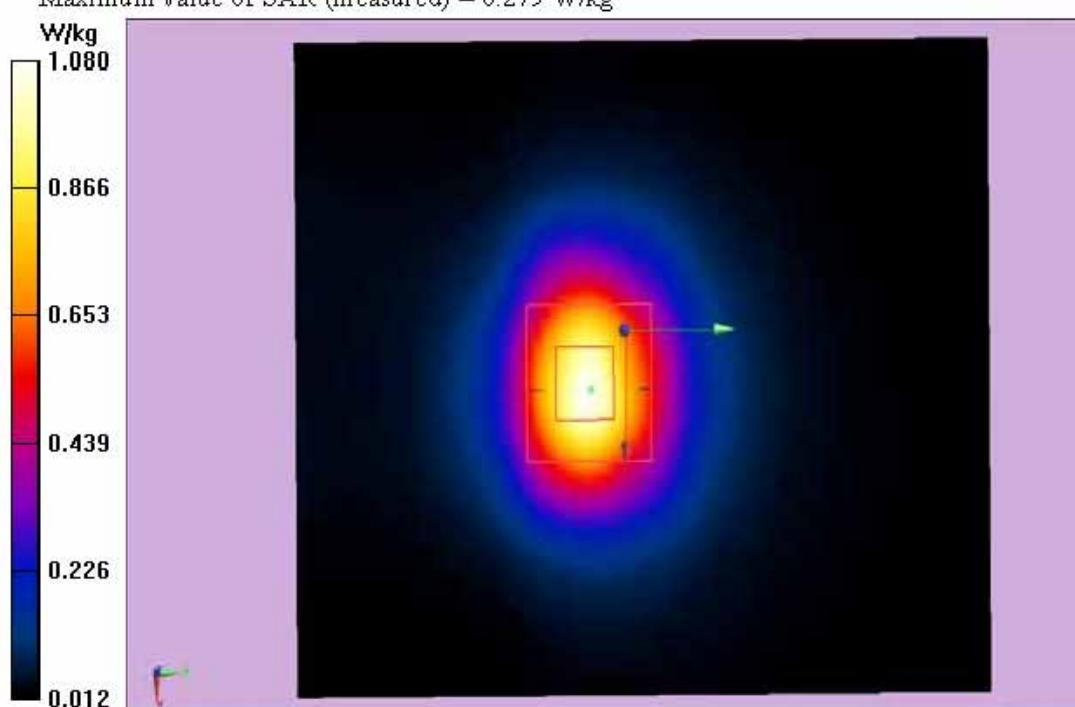
(7x7x7)/Cube 0: Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 8.234 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.788 W/kg

SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.434 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH6(2437MHz)-chain 2 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$

MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 2 Top/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm;

Maximum value of SAR (interpolated) = 0.023 W/kg

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 2 Top/Zoom Scan**

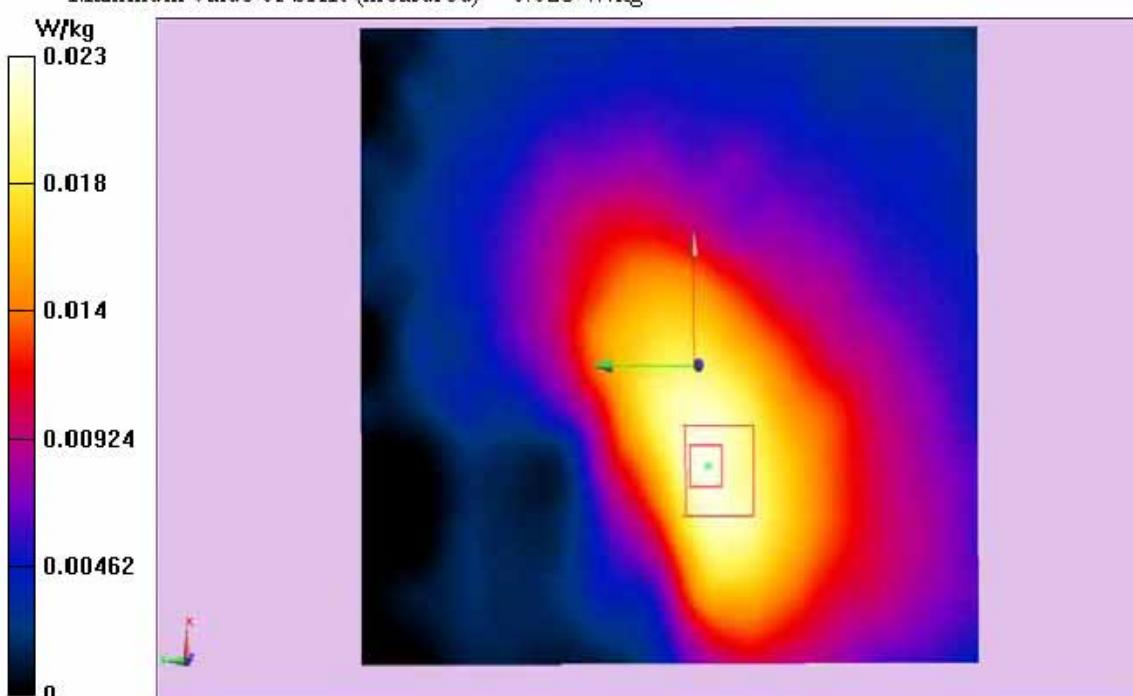
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.352 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.041 W/kg

SAR(1 g) = 0.0261 W/kg; SAR(10 g) = 0.0123 W/kg

Maximum value of SAR (measured) = 0.028 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH6(2437MHz)-chain 2 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$

MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 2 Right/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ ;

Maximum value of SAR (interpolated) = 0.382 W/kg

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 2 Right/Zoom Scan**

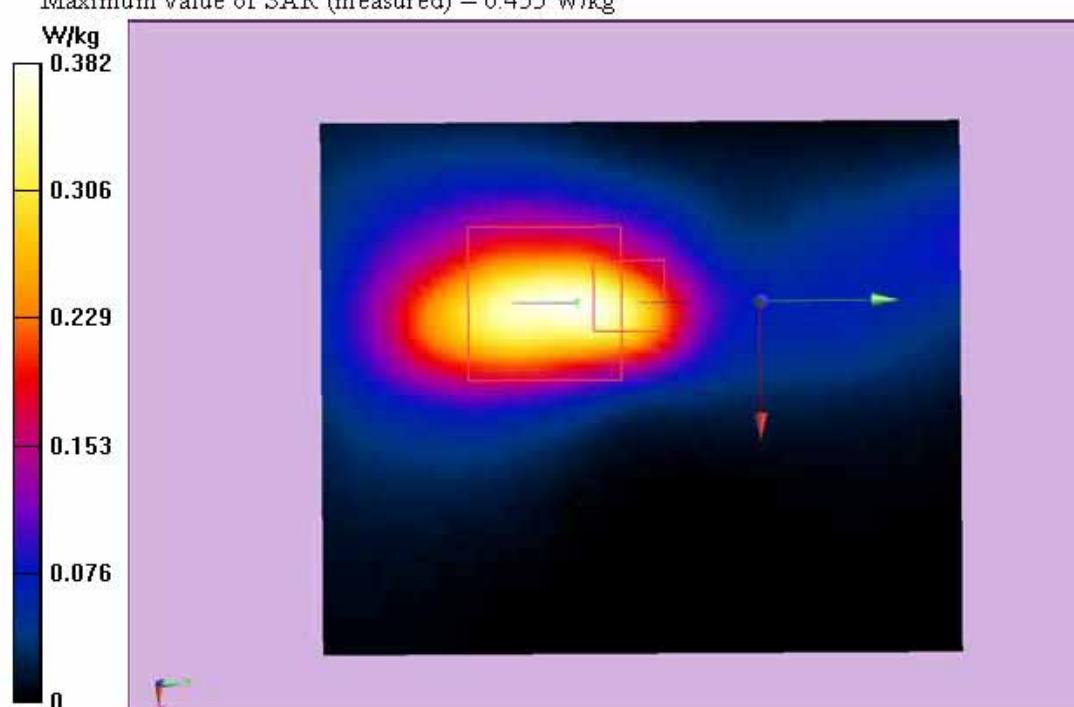
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.384 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.455 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH6(2437MHz)-chain 2 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 2 Top/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm;

Maximum value of SAR (interpolated) = 0.475 W/kg

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 2 Top/Zoom Scan**

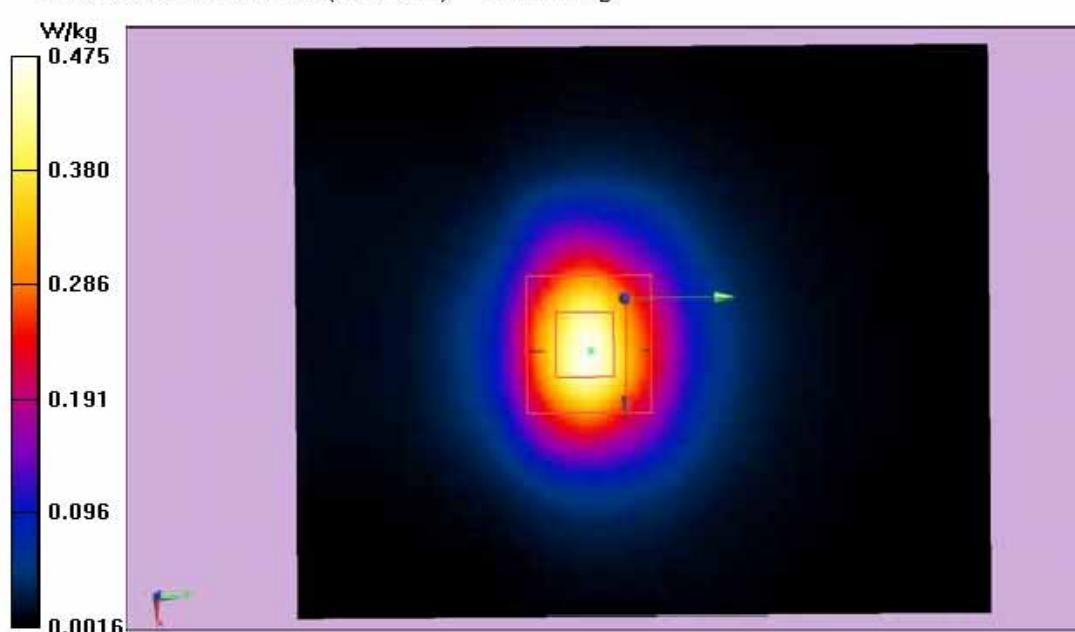
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.352 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.323 W/kg

Maximum value of SAR (measured) = 0.484 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH9(2452MHz)-chain 1 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2452

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2452$  MHz;

$\sigma = 1.964$  S/m;  $\epsilon_r = 54.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Back/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.023 W/kg

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Back/Zoom Scan**

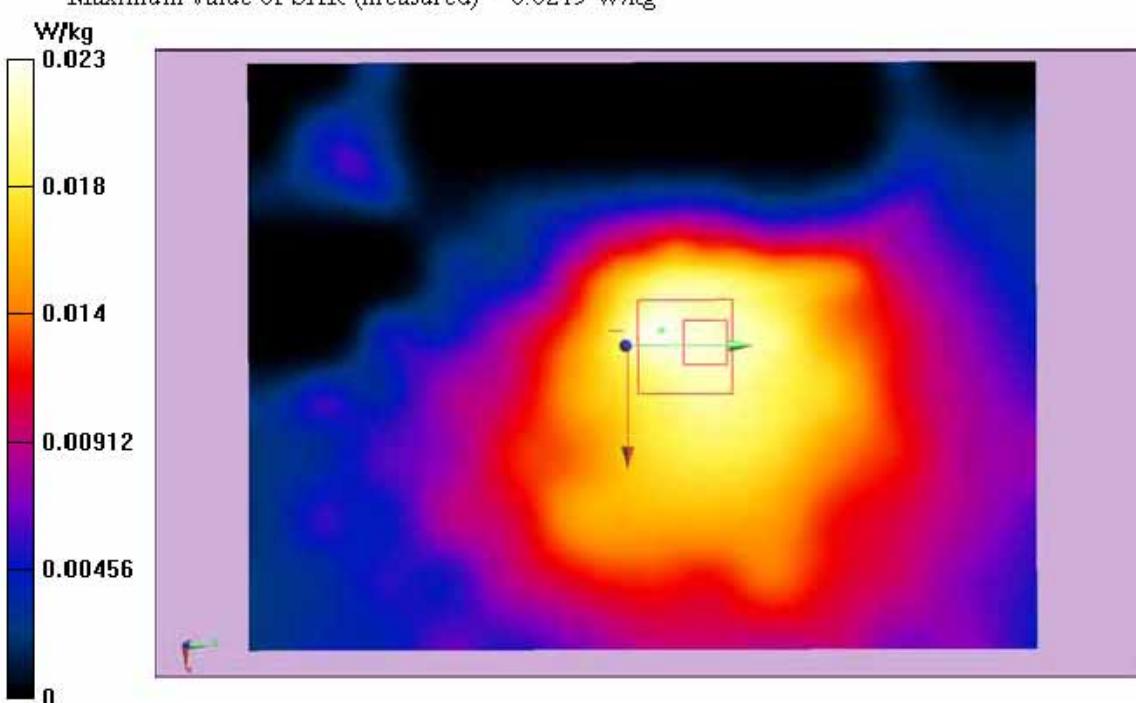
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.772 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.0211 W/kg; SAR(10 g) = 0.0139 W/kg

Maximum value of SAR (measured) = 0.0219 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH9(2452MHz)-chain 1 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2452

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2452$  MHz;

$\sigma = 1.964$  S/m;  $\epsilon_r = 54.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Right/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.424 W/kg

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 1 Right/Zoom Scan**

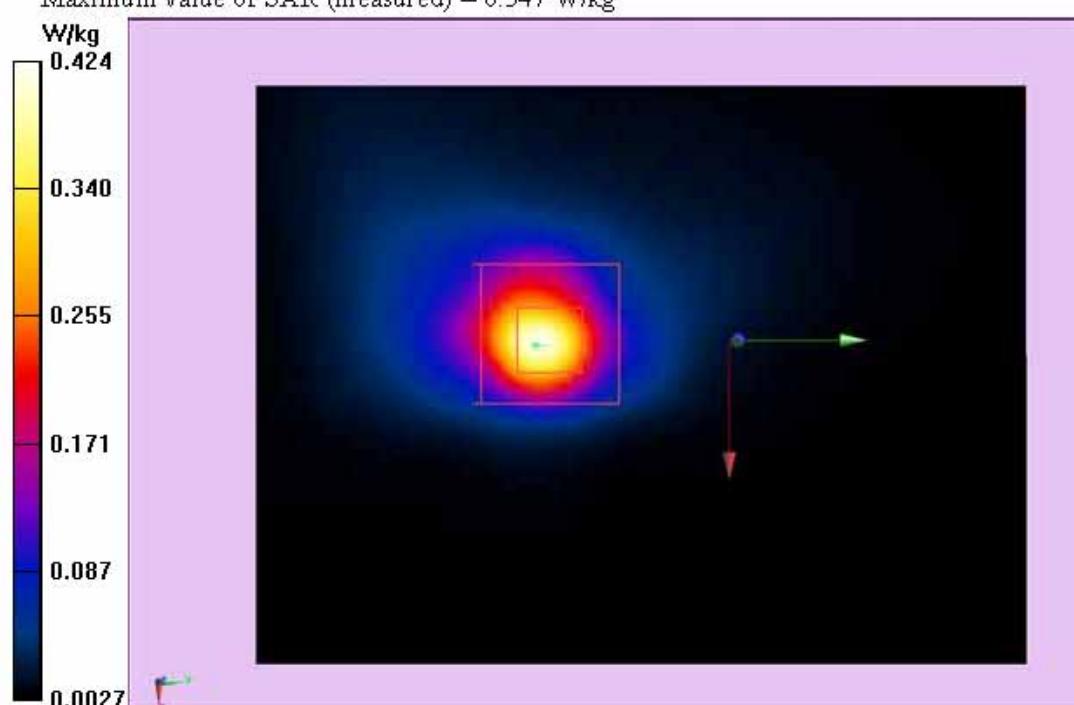
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.478 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.439 W/kg

Maximum value of SAR (measured) = 0.347 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

### 802.11n HT40\_CH9(2462MHz)-chain 2 Right

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2452

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2452$  MHz;

$\sigma = 1.964$  S/m;  $\epsilon_r = 54.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012;
- Modulation Compensation:
- 
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### Configuration/802.11n HT40\_CH9(2452MHz)-chain 2 Top/Area Scan

(61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.630 W/kg

### Configuration/802.11n HT40\_CH9(2452MHz)-chain 2 Top/Zoom Scan

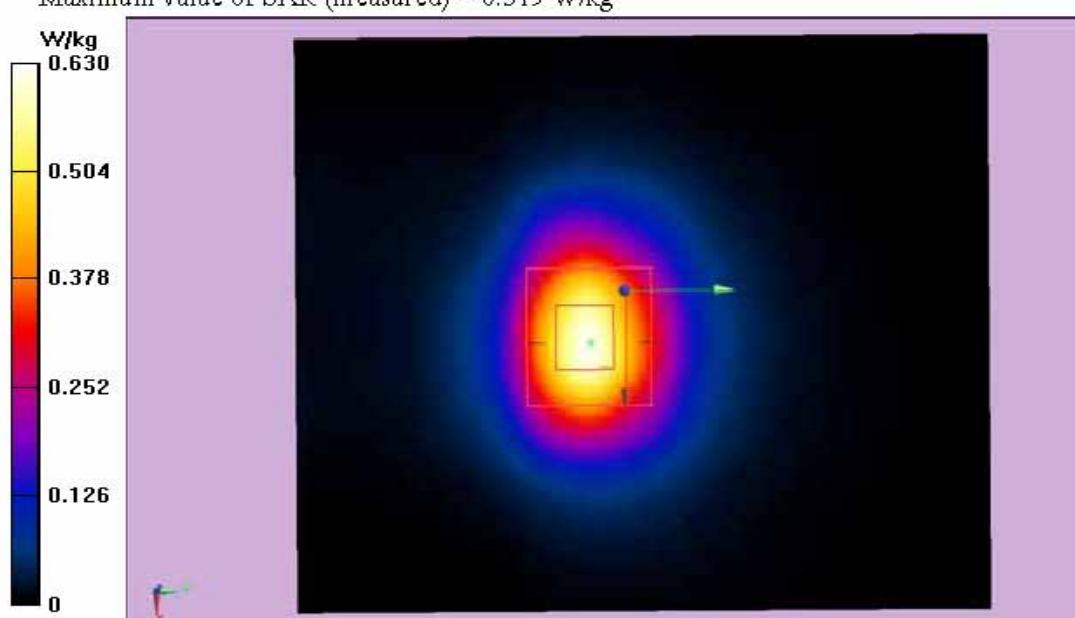
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.174 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.418 W/kg

Maximum value of SAR (measured) = 0.519 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH3(2422MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2422

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2422 \text{ MHz}$ ;

$\sigma = 1.939 \text{ S/m}$ ;  $\epsilon_r = 54.403$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 3 Back/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.043 W/kg

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 3 Back/Zoom Scan**

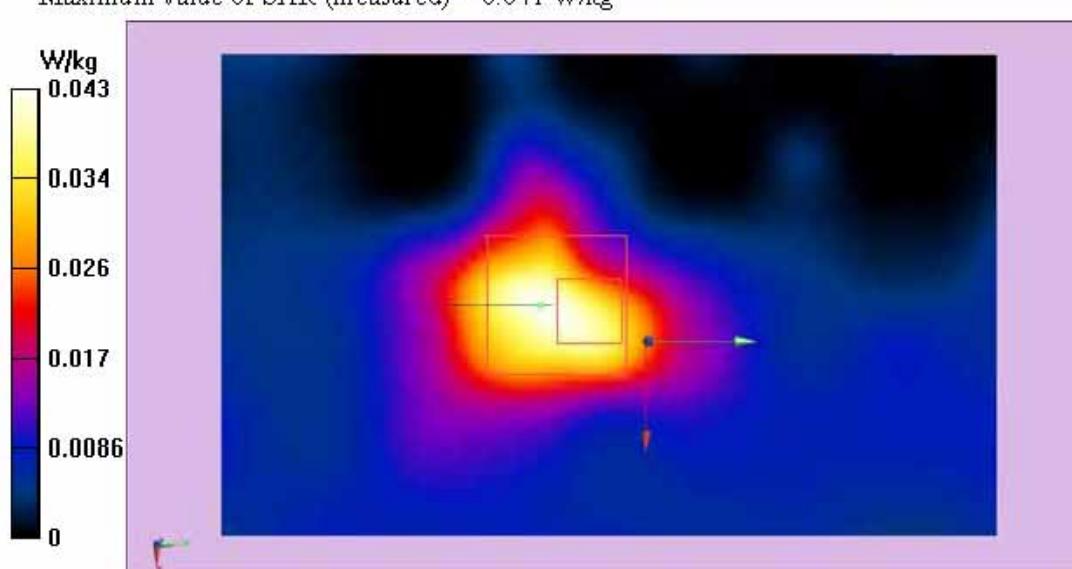
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.41 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.055 W/kg

SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.0094 W/kg

Maximum value of SAR (measured) = 0.041 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH3(2422MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2422

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2422$  MHz;

$\sigma = 1.939$  S/m;  $\epsilon_r = 54.403$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 3 Back/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.470 W/kg

**Configuration/802.11n HT40\_CH3(2422MHz)-chain 3 Back/Zoom Scan**

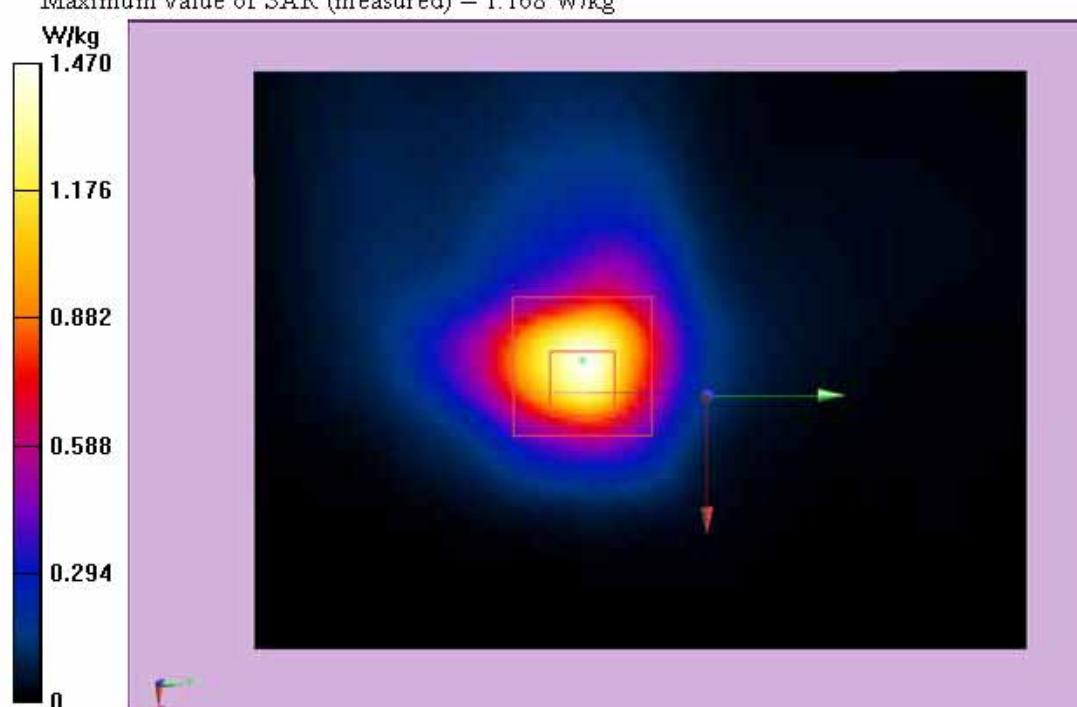
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.85 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.667 W/kg

SAR(1 g) = 1.023 W/kg; SAR(10 g) = 0.447 W/kg

Maximum value of SAR (measured) = 1.168 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH6(2437MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$

MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 3 Back/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ ;

Maximum value of SAR (interpolated) = 0.013 W/kg

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 3 Back/Zoom Scan**

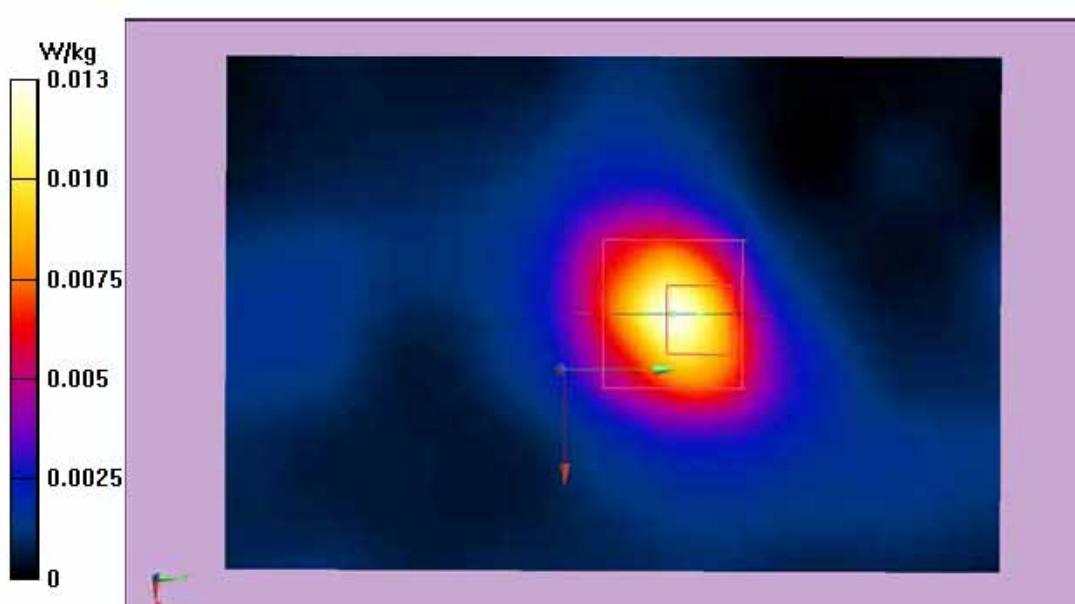
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.303 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.145 W/kg

SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.0078 W/kg

Maximum value of SAR (measured) = 0.162 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH6(2437MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11nHT40 WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2437

MHz; Communication System PAR: 0 dB; Medium parameters used (interpolated):  $f = 2437$

MHz;  $\sigma = 1.962 \text{ S/m}$ ;  $\epsilon_r = 54.384$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 3 Back/Area Scan**

**(61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ ;

Maximum value of SAR (interpolated) = 1.620 W/kg

**Configuration/802.11n HT40\_CH6(2437MHz)-chain 3 Back/Zoom Scan**

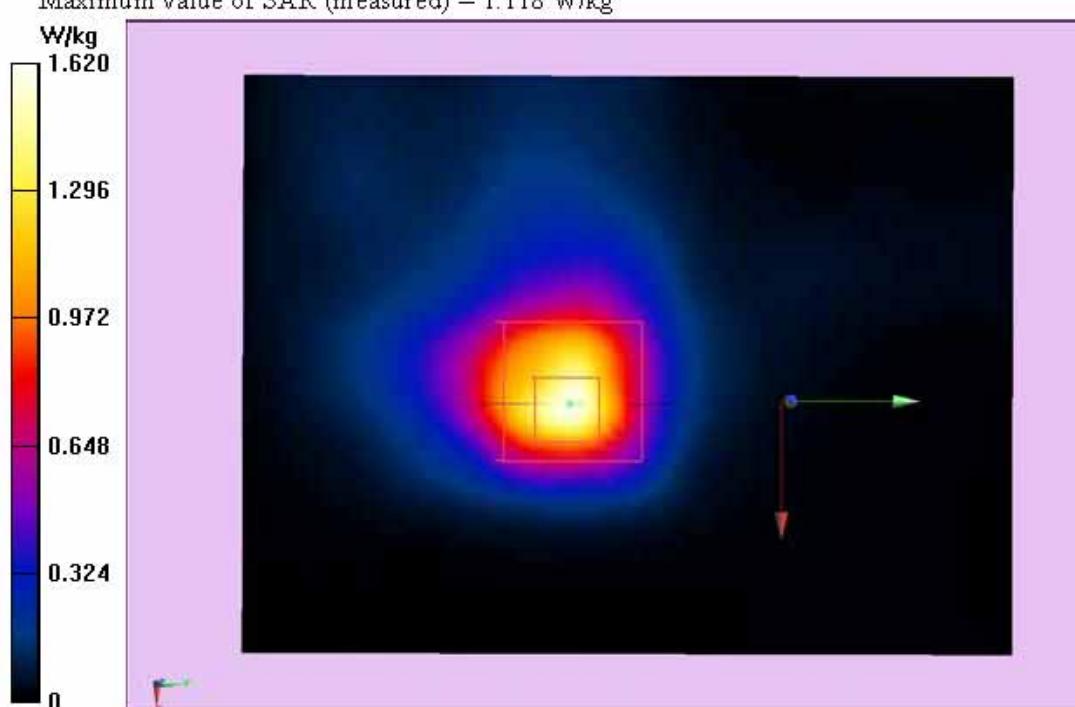
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.175 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.114 W/kg

SAR(1 g) = 1.023 W/kg; SAR(10 g) = 0.678 W/kg

Maximum value of SAR (measured) = 1.118 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH9(2452MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2452

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2452$  MHz;

$\sigma = 1.964$  S/m;  $\epsilon_r = 54.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 3 Back/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.024 W/kg

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 3 Back/Zoom Scan**

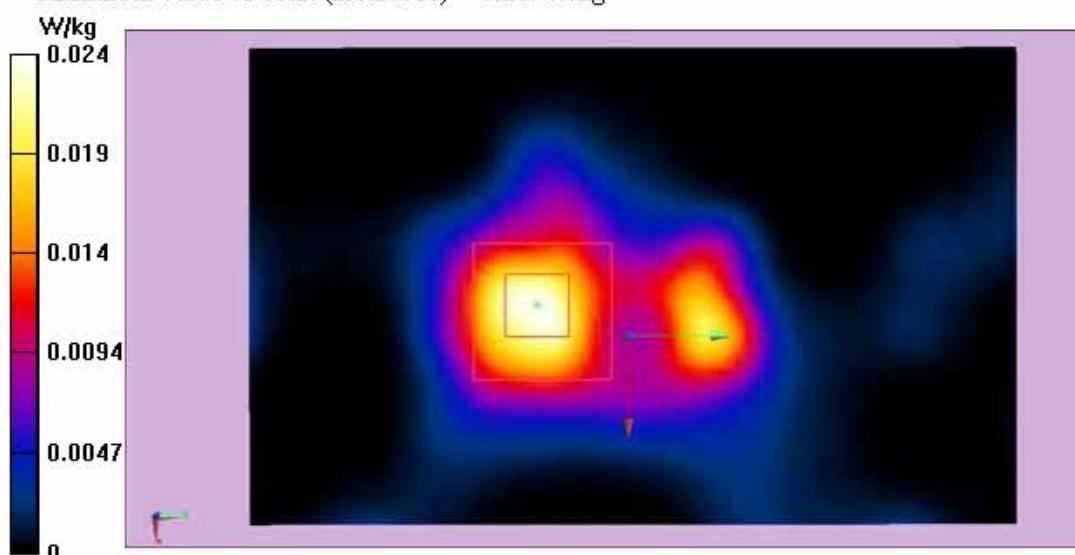
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.86 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.0147 W/kg

Maximum value of SAR (measured) = 0.219W/kg



Test Laboratory: Audix SAR Lab

Date: 02/12/2014

**802.11n HT40\_CH9(2452MHz)-chain 3 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11g WiFi 2.4 GHz (OFDM, 6 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz) ; Frequency: 2452

MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 2452$  MHz;

$\sigma = 1.964$  S/m;  $\epsilon_r = 54.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3139; ConvF(4.16, 4.16, 4.16); Calibrated: 25/07/2012,
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 3 Back/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.560 W/kg

**Configuration/802.11n HT40\_CH9(2452MHz)-chain 3 Back/Zoom Scan**

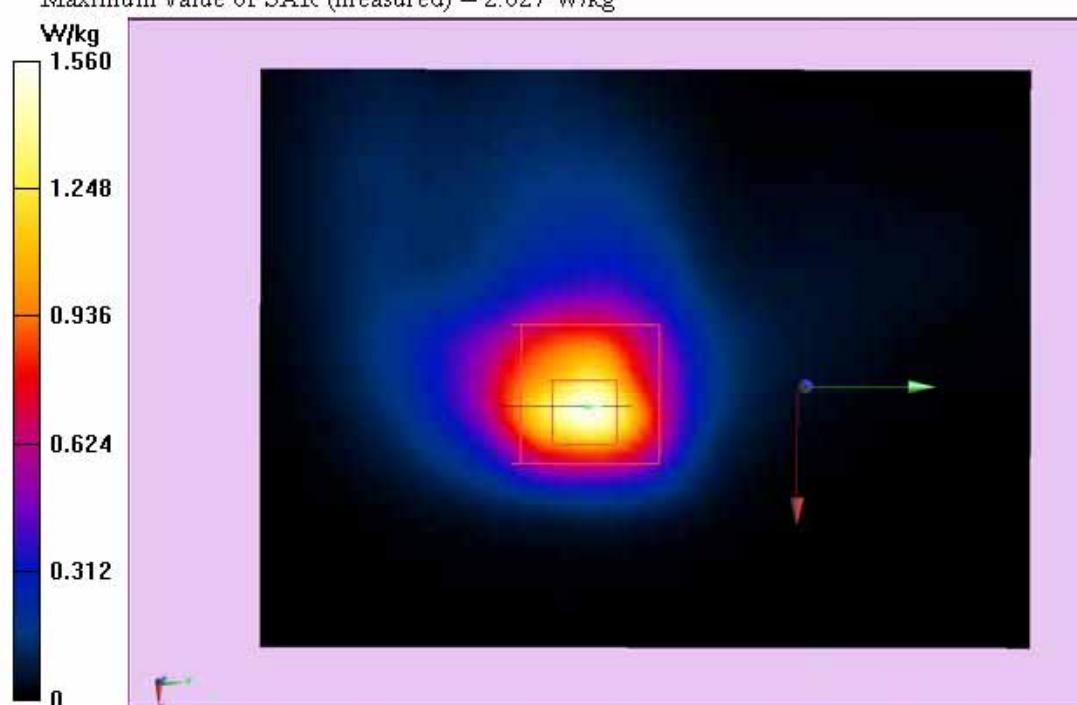
**(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.55 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.081 W/kg

SAR(1 g) = 1.089 W/kg; SAR(10 g) = 0.483 W/kg

Maximum value of SAR (measured) = 2.027 W/kg



**5GHz:****Test Laboratory:** Audix SAR Lab**Date:** 03/12/2014**802.11a\_CH36(5180MHz)-chain 1 Back****DUT:** WiFi Advisor**M/N:**WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5180 MHz; Communication System PAR: 0 dB; Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.458$  S/m;  $\epsilon_r = 48.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH36(5180MHz)-chain 1 Back/Area Scan (61x81x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.012 W/kg

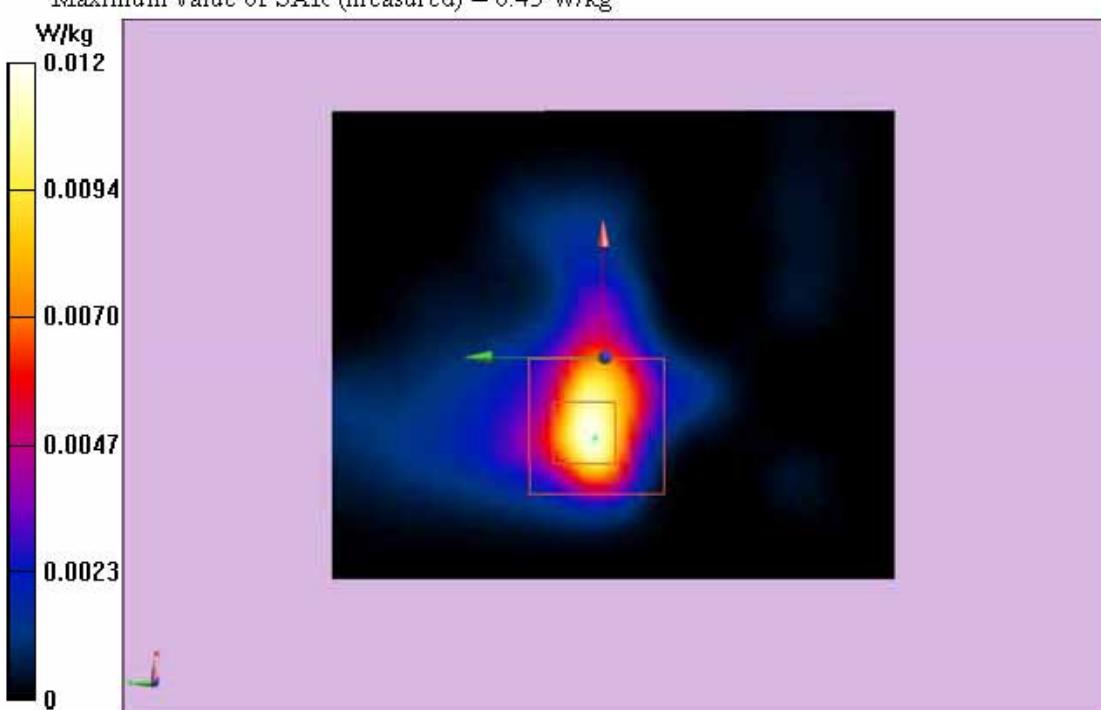
**Configuration/802.11a\_CH36(5180MHz)-chain 1 Back/Zoom Scan****(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.812 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.52W/kg

SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.43 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH36(5180MHz)-chain 1 Bottom**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5180 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.458$  S/m;  $\epsilon_r = 48.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH36(5180MHz)-chain 1 Bottom/Area Scan**

**(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.021 W/kg

**Configuration/802.11a\_CH36(5180MHz)-chain 1 Bottom/Zoom Scan**

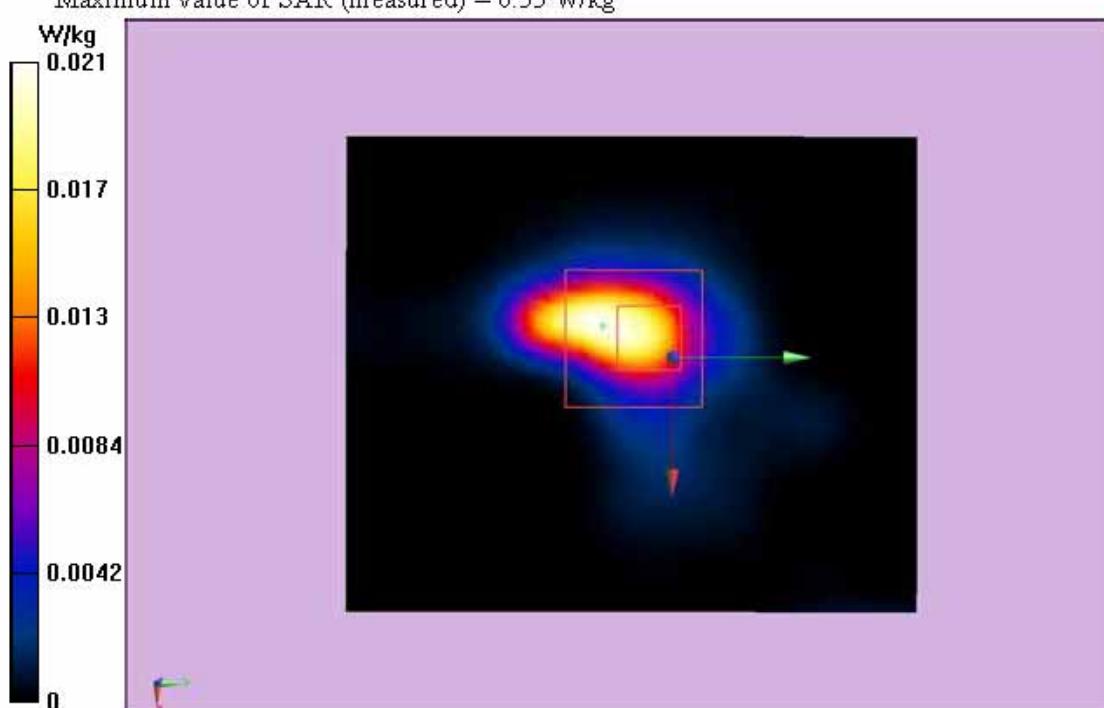
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.267V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.47W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.53 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH36(5180MHz)-chain 1 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5180 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.458$  S/m;  $\epsilon_r = 48.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH36(5180MHz)-chain 1 Right/Area Scan (61x81x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.677 W/kg

**Configuration/802.11a\_CH36(5180MHz)-chain 1 Right/Zoom Scan**

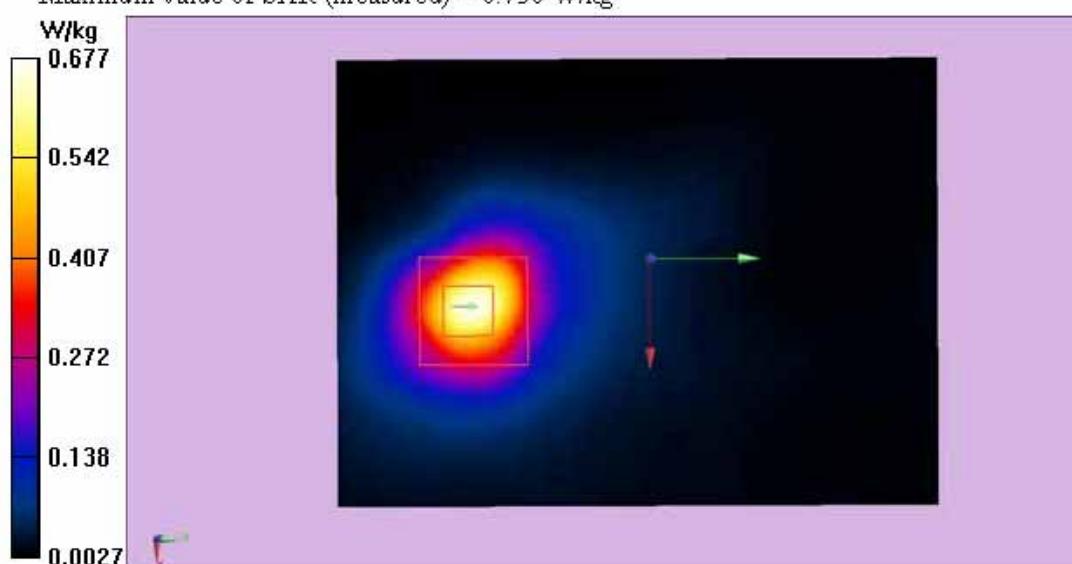
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.659 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 0.736 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH48(5240MHz)-chain 1 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5240 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.587$  S/m;  $\epsilon_r = 48.442$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH48(5240MHz)-chain 1 Back/Area Scan (51x61x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.018 W/kg

**Configuration/802.11a\_CH48(5240MHz)-chain 1 Back/Zoom Scan**

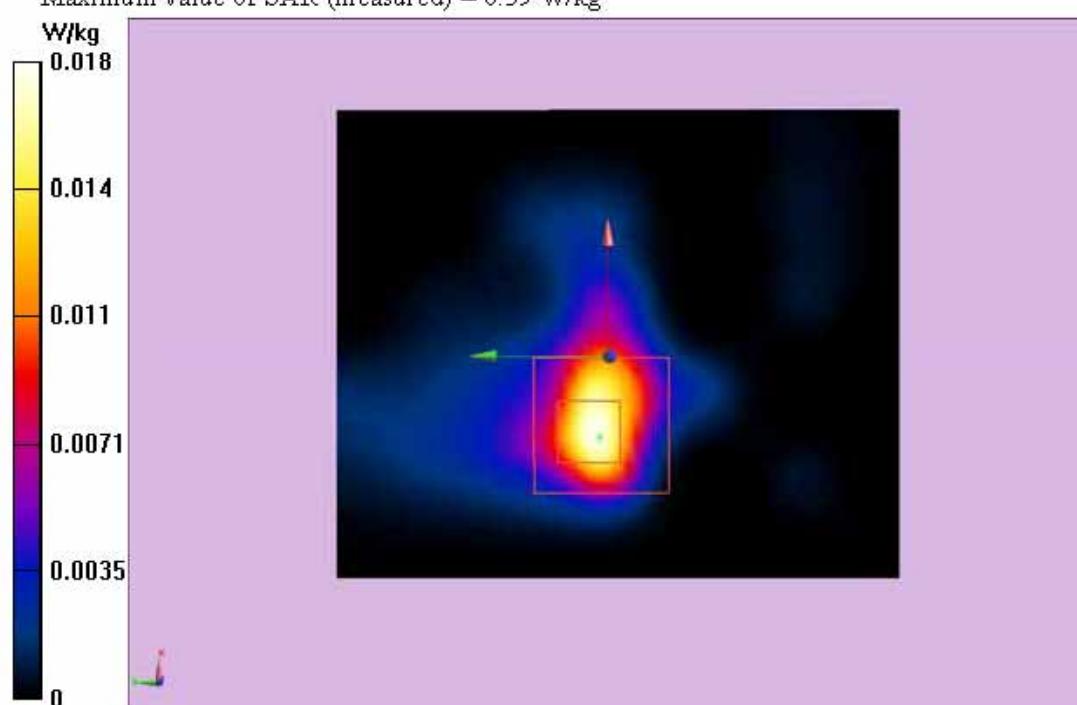
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.537 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.42 W/kg

SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.39 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

### 802.11a\_CH48(5240MHz)-chain 1 Bottom

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5240 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.587$  S/m;  $\epsilon_r = 48.442$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### Configuration/802.11a\_CH48(5240MHz)-chain 1 Bottom/Area Scan

(51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.016 W/kg

### Configuration/802.11a\_CH48(5240MHz)-chain 1 Bottom/Zoom Scan

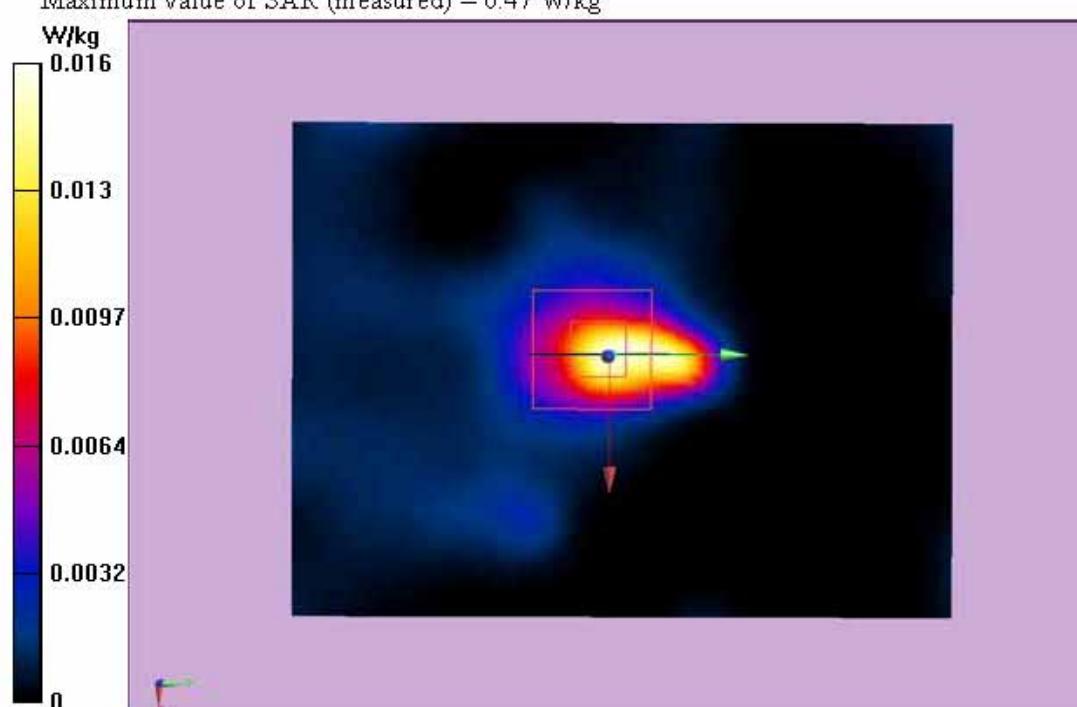
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.241 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.42 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.47 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH48(5240MHz)-chain 1 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5240 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.587$  S/m;  $\epsilon_r = 48.442$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH48(5240MHz)-chain 1 Right/Area Scan (51x61x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.24 W/kg

**Configuration/802.11a\_CH48(5240MHz)-chain 1 Right/Zoom Scan (5x5x7)/Cube 0:**

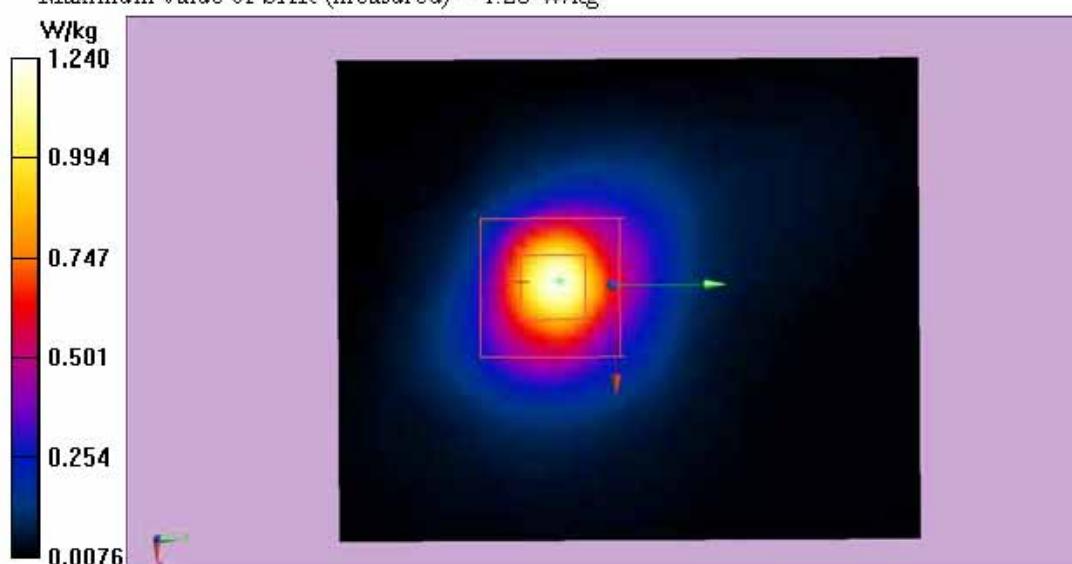
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.649 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



Test Laboratory: Audix SAR Lab

Date: 08/12/2014

### 802.11a\_CH149(5745MHz)-chain 1 Back

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.8GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.8GHz; Frequency: 5745 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.743$  S/m;  $\epsilon_r = 48.93$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.2, 5.2, 5.2); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### Configuration/802.11a\_CH149(5745MHz)-chain 1 Back/Area Scan

(101x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.022 W/kg

### Configuration/802.11a\_CH149(5745MHz)-chain 1 Back/Zoom Scan

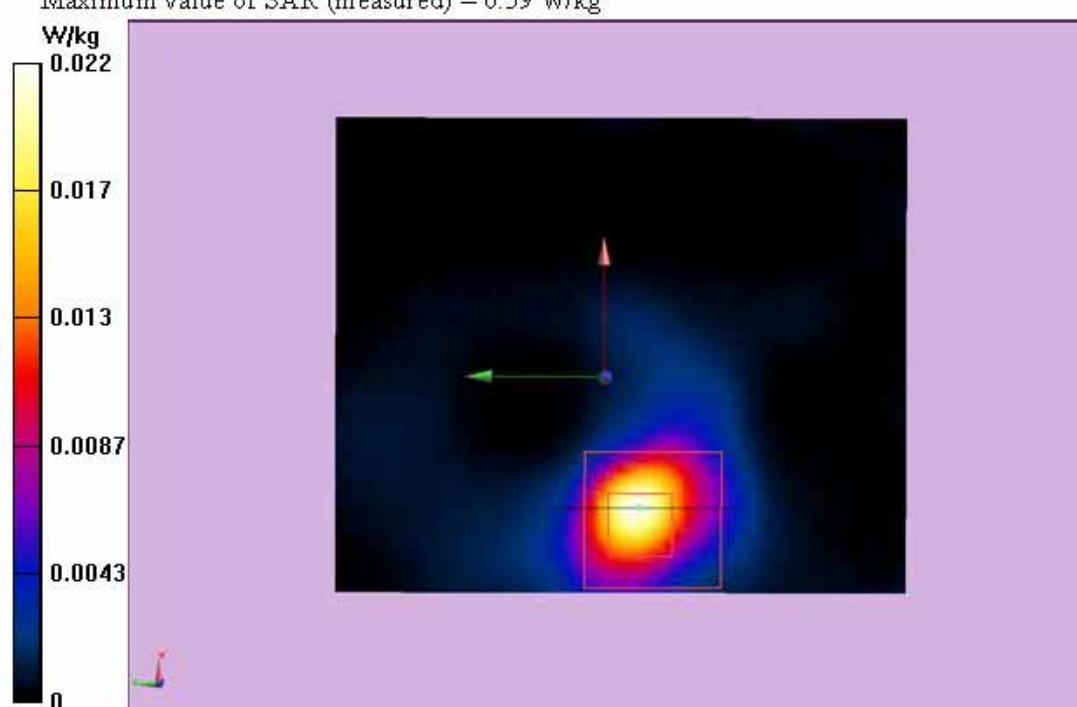
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.488 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.64 W/kg

SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.59 W/kg



Test Laboratory: Audix SAR Lab

Date: 08/12/2014

**802.11a\_CH149(5745MHz)-chain 1 Bottom**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.8GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.8GHz; Frequency: 5745 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.743$  S/m;  $\epsilon_r = 48.93$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.2, 5.2, 5.2); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH149(5745MHz)-chain 1 Bottom/Area Scan**

(101x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.020 W/kg

**Configuration/802.11a\_CH149(5745MHz)-chain 1 Bottom/Zoom Scan**

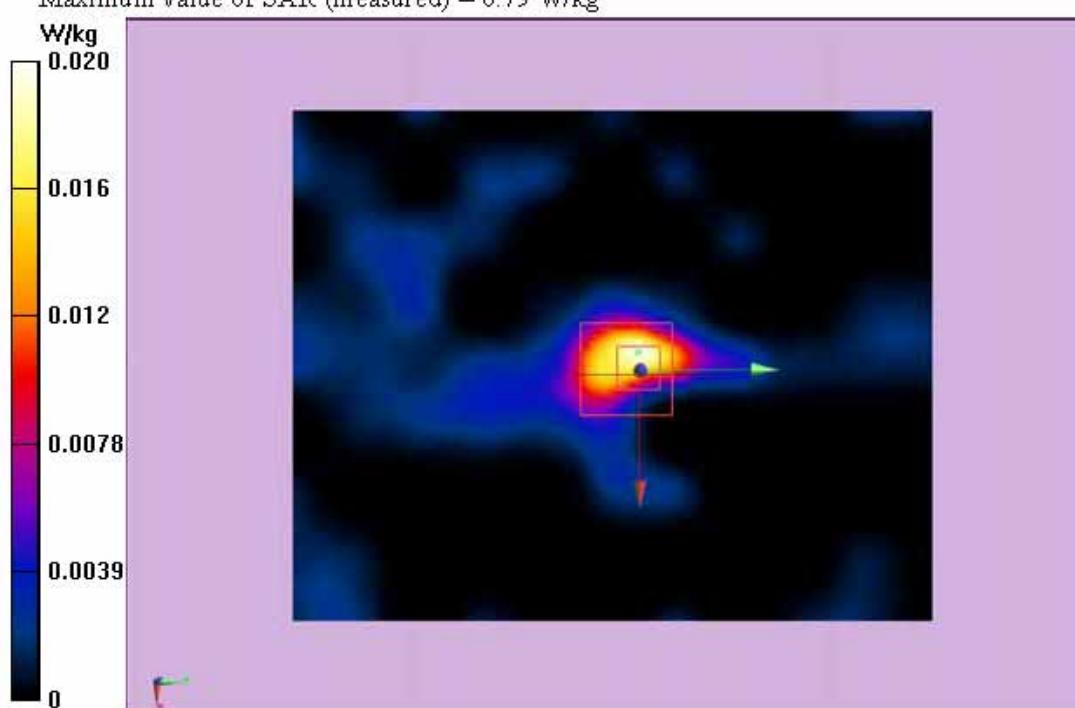
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.556 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.84 W/kg

SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.034 W/kg

Maximum value of SAR (measured) = 0.79 W/kg



Test Laboratory: Audix SAR Lab

Date: 08/12/2014

### 802.11a\_CH149(5745MHz)-chain 1 Right

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.8GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.8GHz; Frequency: 5745 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.743$  S/m;  $\epsilon_r = 48.93$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.2, 5.2, 5.2); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### Configuration/802.11a\_CH149(5745MHz)-chain 1 Right/Area Scan

(101x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.51 W/kg

### Configuration/802.11a\_CH149(5745MHz)-chain 1 Right/Zoom Scan

(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.883 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.65 W/kg

SAR(1 g) = 0.967 W/kg; SAR(10 g) = 0.571 W/kg

Maximum value of SAR (measured) = 2.68 W/kg



Test Laboratory: Audix SAR Lab

Date: 08/12/2014

**802.11a\_CH161(5805MHz)-chain 1 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.8GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.8GHz; Frequency: 5805 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5805$  MHz;  $\sigma = 6.042$  S/m;  $\epsilon_r = 48.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.92, 4.92, 4.92); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH161(5805MHz)-chain 1 Back/Area Scan (51x61x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.023 W/kg

**Configuration/802.11a\_CH161(5805MHz)-chain 1 Back/Zoom Scan**

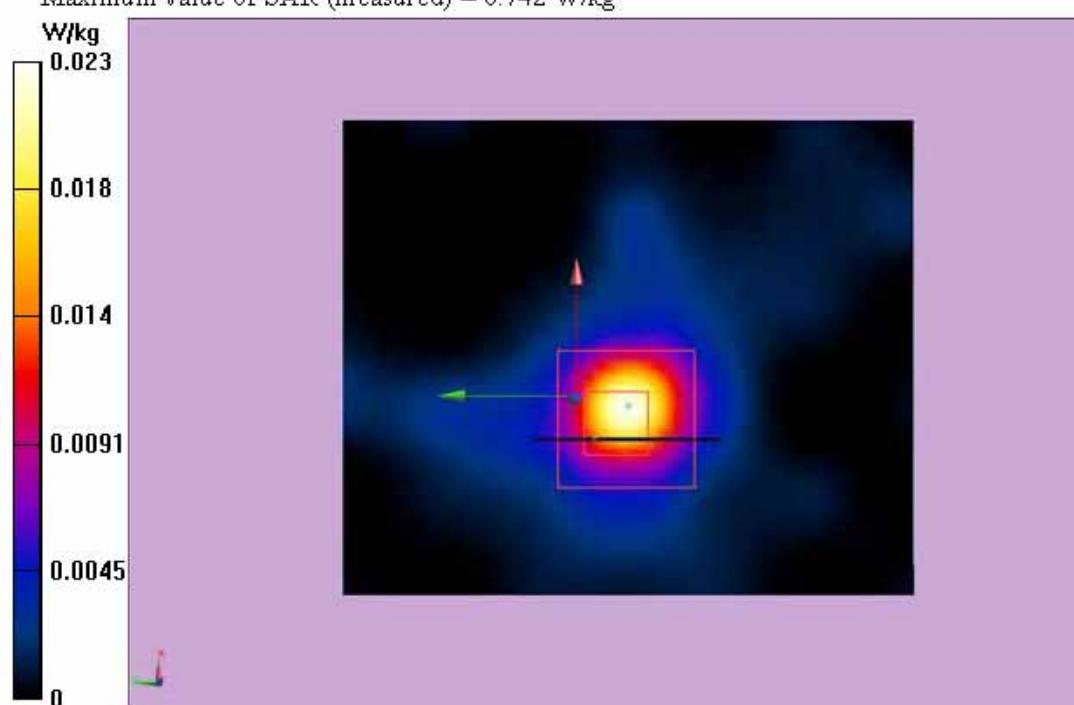
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.853 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.785 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.742 W/kg



Test Laboratory: Audix SAR Lab

Date: 08/12/2014

**802.11a\_CH161(5805MHz)-chain 1 Bottom**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.8GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.8GHz; Frequency: 5805 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5805$  MHz;  $\sigma = 6.042$  S/m;  $\epsilon_r = 48.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.92, 4.92, 4.92); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH161(5805MHz)-chain 1 Bottom/Area Scan**

**(51x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.066 W/kg

**Configuration/802.11a\_CH161(5805MHz)-chain 1 Bottom/Zoom Scan**

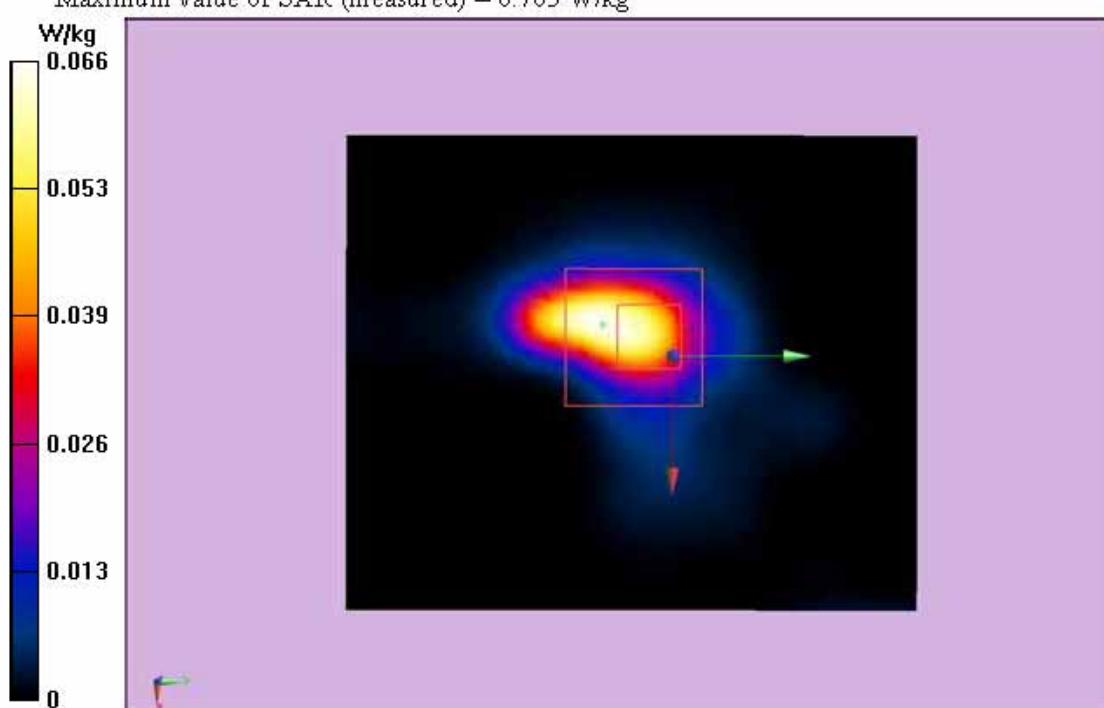
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.545 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.887 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.763 W/kg



Test Laboratory: Audix SAR Lab

Date: 08/12/2014

### 802.11a\_CH161(5805MHz)-chain 1 Right

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.8GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.8GHz; Frequency: 5805 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5805$  MHz;  $\sigma = 6.042$  S/m;  $\epsilon_r = 48.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.92, 4.92, 4.92); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### Configuration/802.11a\_CH161(5805MHz)-chain 1 Right/Area Scan

(51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.50 W/kg

### Configuration/802.11a\_CH161(5805MHz)-chain 1 Right/Zoom Scan

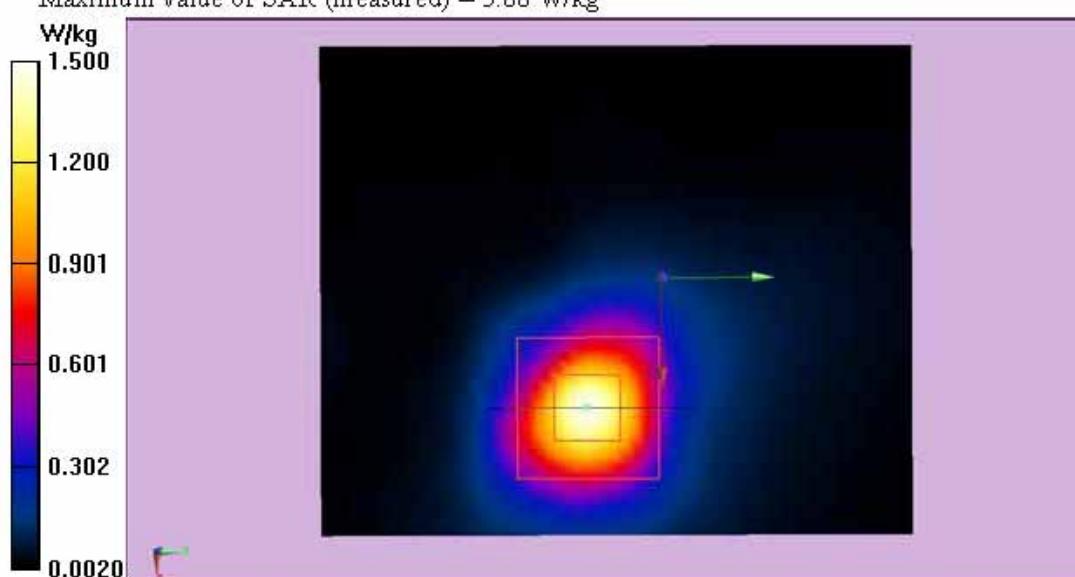
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

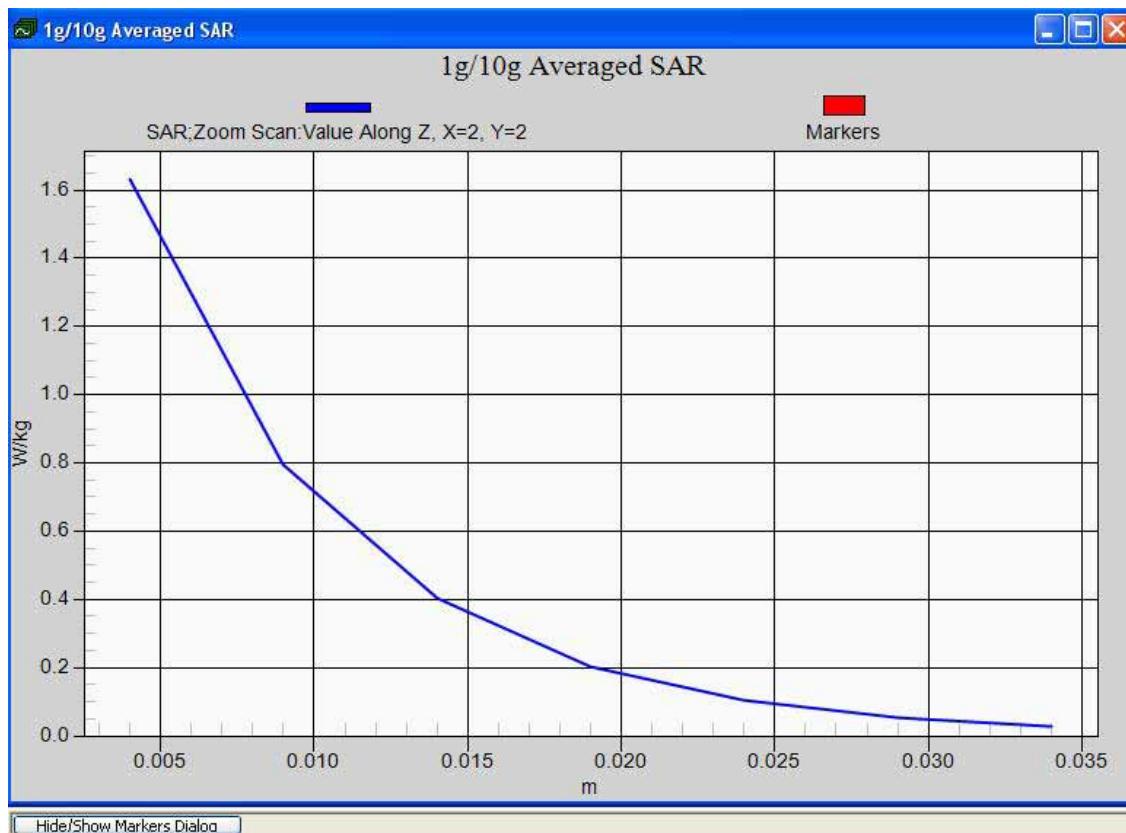
Reference Value = 5.481 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.86 W/kg

SAR(1 g) = 0.996 W/kg; SAR(10 g) = 0.552 W/kg

Maximum value of SAR (measured) = 3.88 W/kg





Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH36(5180MHz)-chain 2 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5180 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.458$  S/m;  $\epsilon_r = 48.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH36(5180MHz)-chain 2 Back/Area Scan (61x81x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.107 W/kg

**Configuration/802.11a\_CH36(5180MHz)-chain 2 Back/Zoom Scan**

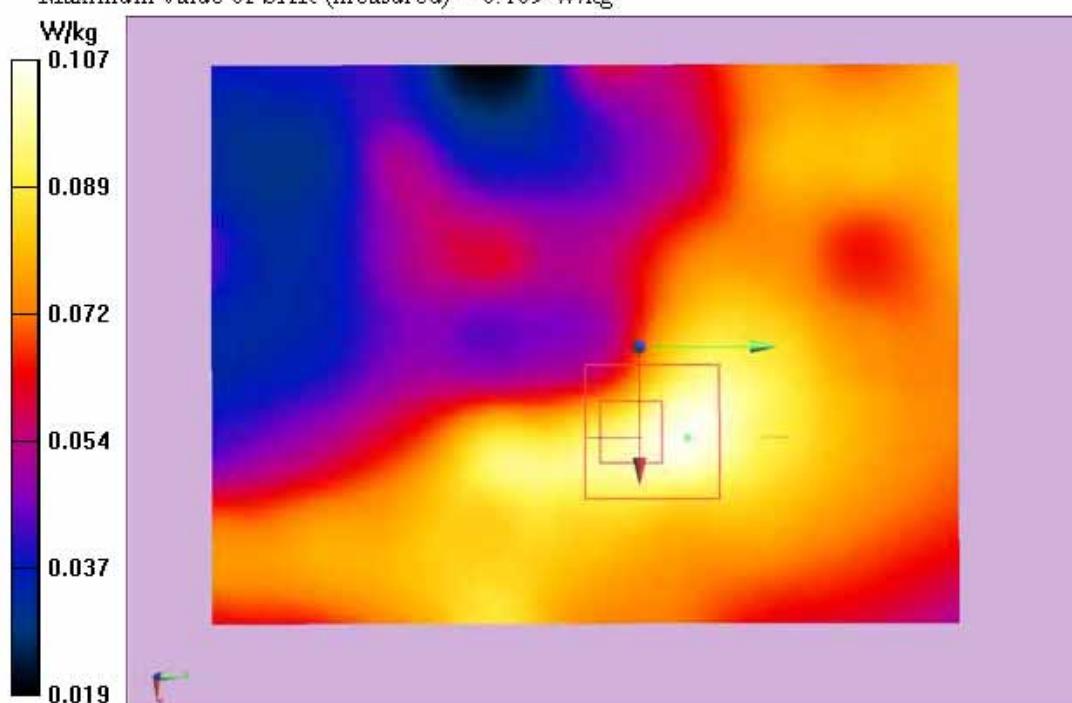
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.339 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.070 W/kg

Maximum value of SAR (measured) = 0.109 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH36(5180MHz)-chain 2 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5180 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.458$  S/m;  $\epsilon_r = 48.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH36(5180MHz)-chain 2 Right/Area Scan (61x81x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.565 W/kg

**Configuration/802.11a\_CH36(5180MHz)-chain 2 Right/Zoom Scan**

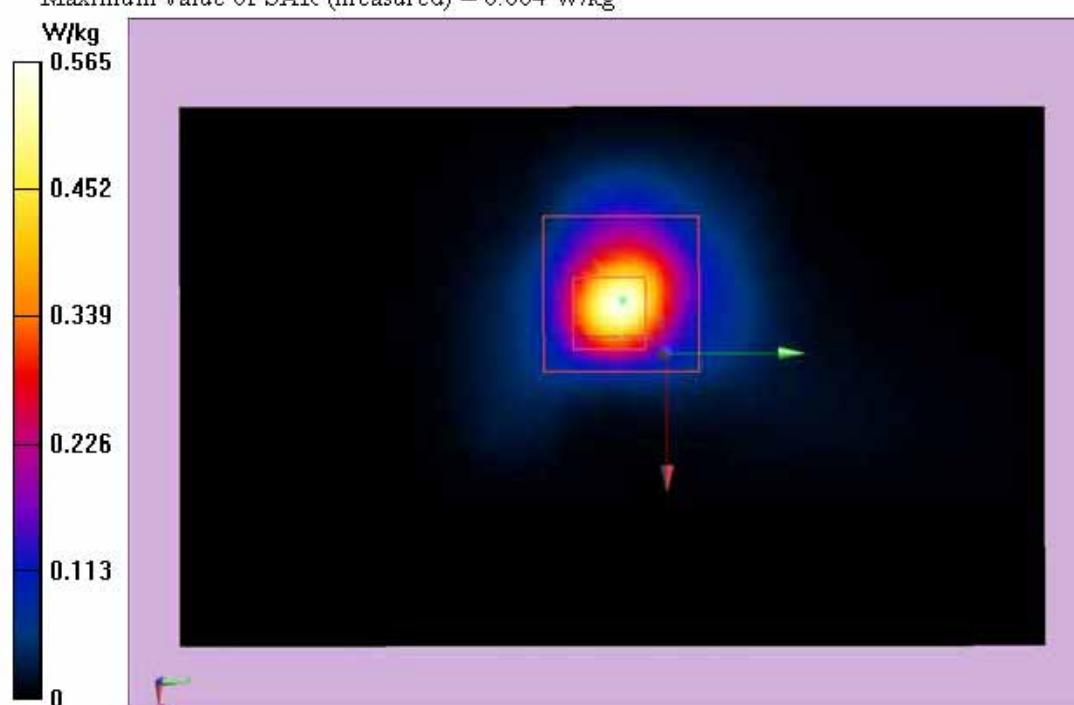
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.378 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.678 W/kg

SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.426 W/kg

Maximum value of SAR (measured) = 0.664 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH36(5180MHz)-chain 2 Top**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5180 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.458$  S/m;  $\epsilon_r = 48.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH36(5180MHz)-chain 2 Top/Area Scan (61x81x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.199 W/kg

**Configuration/802.11a\_CH36(5180MHz)-chain 2 Top/Zoom Scan**

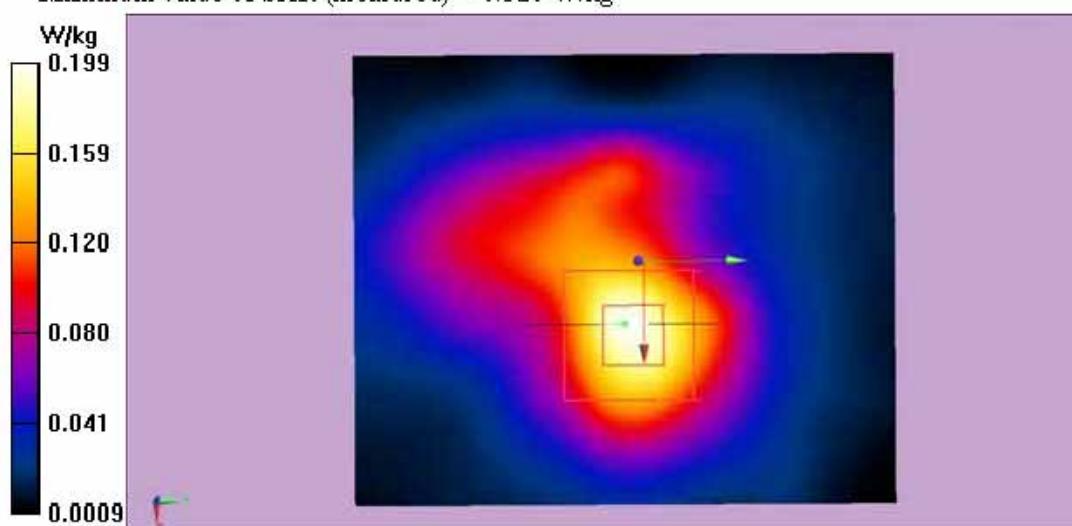
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.141 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.326 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH48(5240MHz)-chain 2 Back**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5240 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.587$  S/m;  $\epsilon_r = 48.442$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH48(5240MHz)-chain 2 Back/Area Scan (61x81x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.102 W/kg

**Configuration/802.11a\_CH48(5240MHz)-chain 2 Back/Zoom Scan**

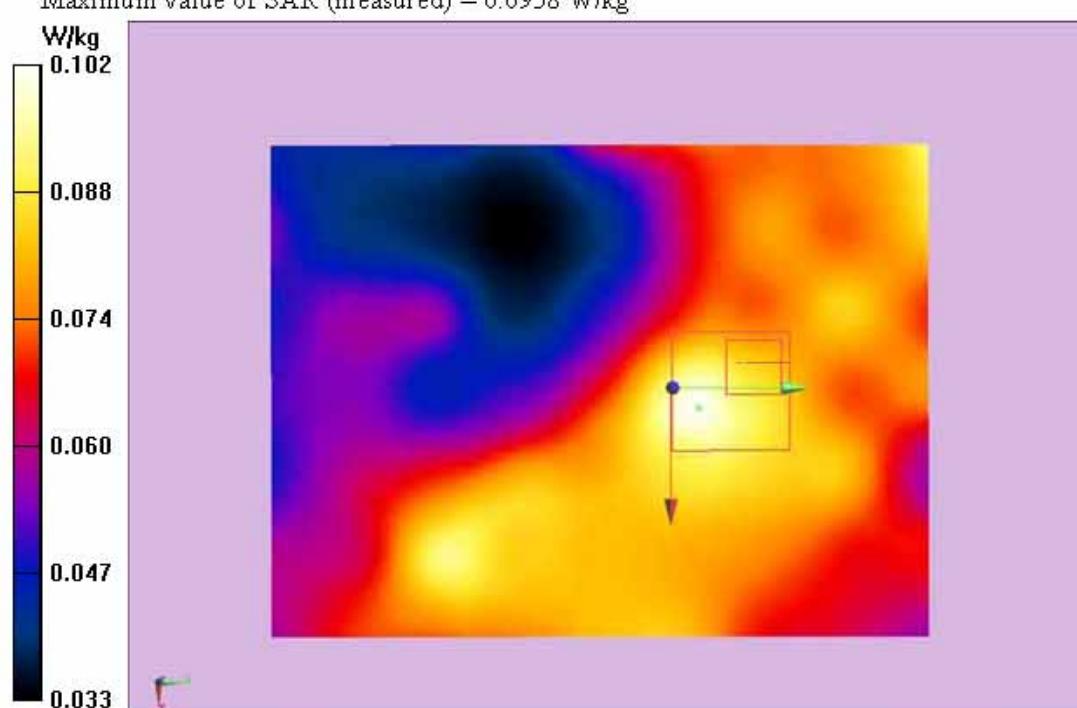
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.978 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.0958 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/12/2014

**802.11a\_CH48(5240MHz)-chain 2 Right**

DUT: WiFi Advisor

M/N:WFED-300AC

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System

Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5240 MHz; Communication System PAR: 0

dB; Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.587$  S/m;  $\epsilon_r = 48.442$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.94, 5.94, 5.94); Calibrated: 02/09/2014;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 07/02/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1112

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/802.11a\_CH48(5240MHz)-chain 2 Right/Area Scan (61x81x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.755 W/kg

**Configuration/802.11a\_CH48(5240MHz)-chain 2 Right/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.518 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.784 W/kg

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.468 W/kg

Maximum value of SAR (measured) = 0.816 W/kg

