Date/Time: 11/19/2013 9:55:38 AM

Test Laboratory: Intertek
File Name: 802.11b Channel 1 1Mbps.da52:4

802.11b Channel 1 11Mbps

Procedure Notes: Ambient Temp: 23.1C Fluid Temp: 22.1C

DUT: Computational Systems - Camaro;

Communication System: UID 0, Generic 802.11b; Communication System Band: 2.4 GHz Band; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.984 S/m; ε_r = 50.542; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(7.92, 7.92, 7.92); Calibrated: 12/10/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/13/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

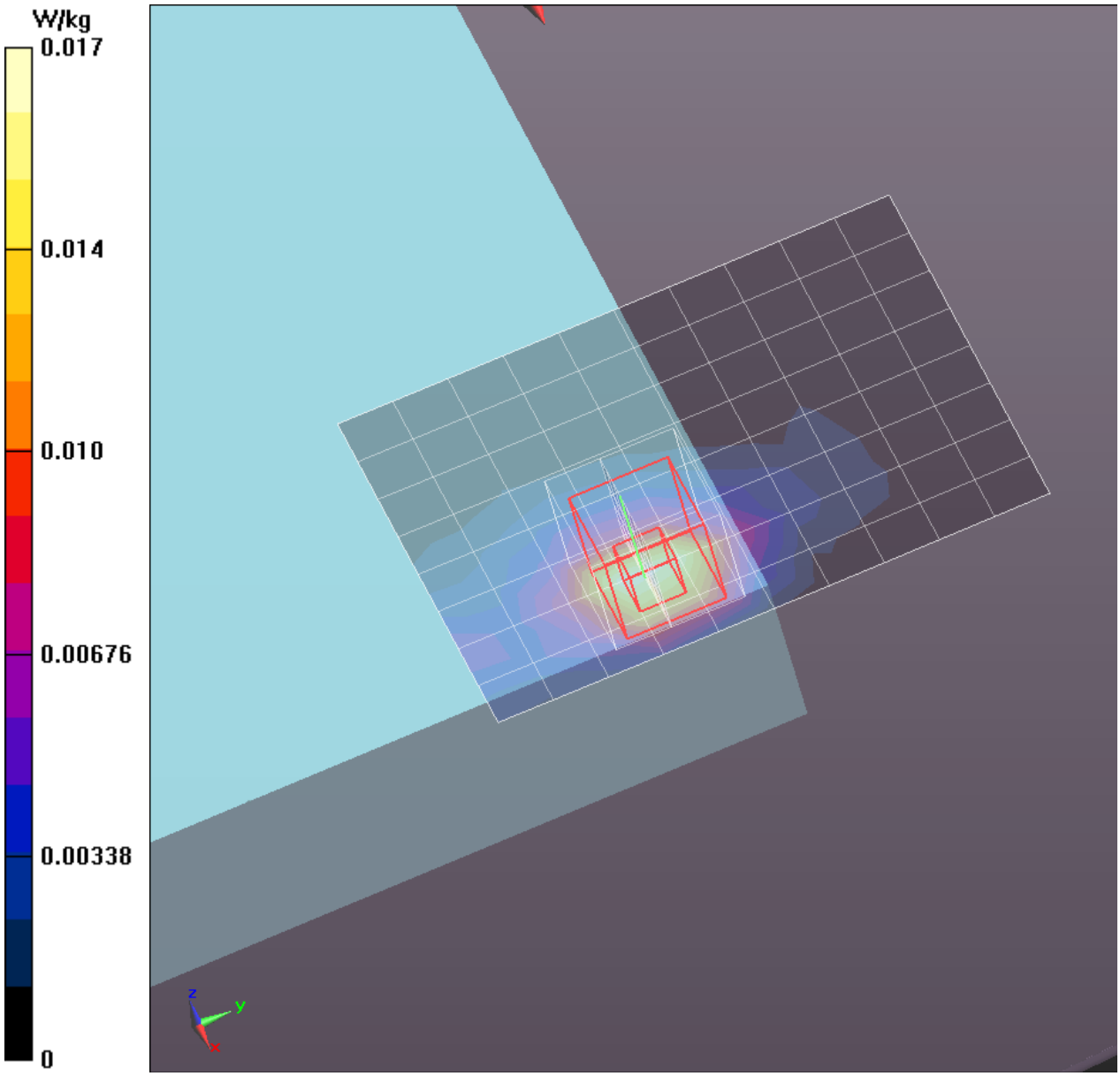
Wifi Flat-Section MSL Testing/Front Side, 802.11b, Channel 1, 11Mbps/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0169 W/kg

Wifi Flat-Section MSL Testing/Front Side, 802.11b, Channel 1, 11Mbps/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.591 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.0240 W/kg
SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.0061 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0185 W/kg


W/kg
0.017
0.014
0.010
0.00676
0.00338
0
z
y
x

Date/Time: 11/19/2013 8:09:27 AM

Test Laboratory: Intertek
File Name: 802.11b Channel 1 1Mbps.da52:4

802.11b Channel 1 1Mbps_Front Side

Procedure Notes: Ambient Temp: 23.1C Fluid Temp: 22.1C

DUT: Computational Systems - Camaro;

Communication System: UID 0, Generic 802.11b; Communication System Band: 2.4 GHz Band; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.984 S/m; ε_r = 50.542; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(7.92, 7.92, 7.92); Calibrated: 12/10/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/13/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

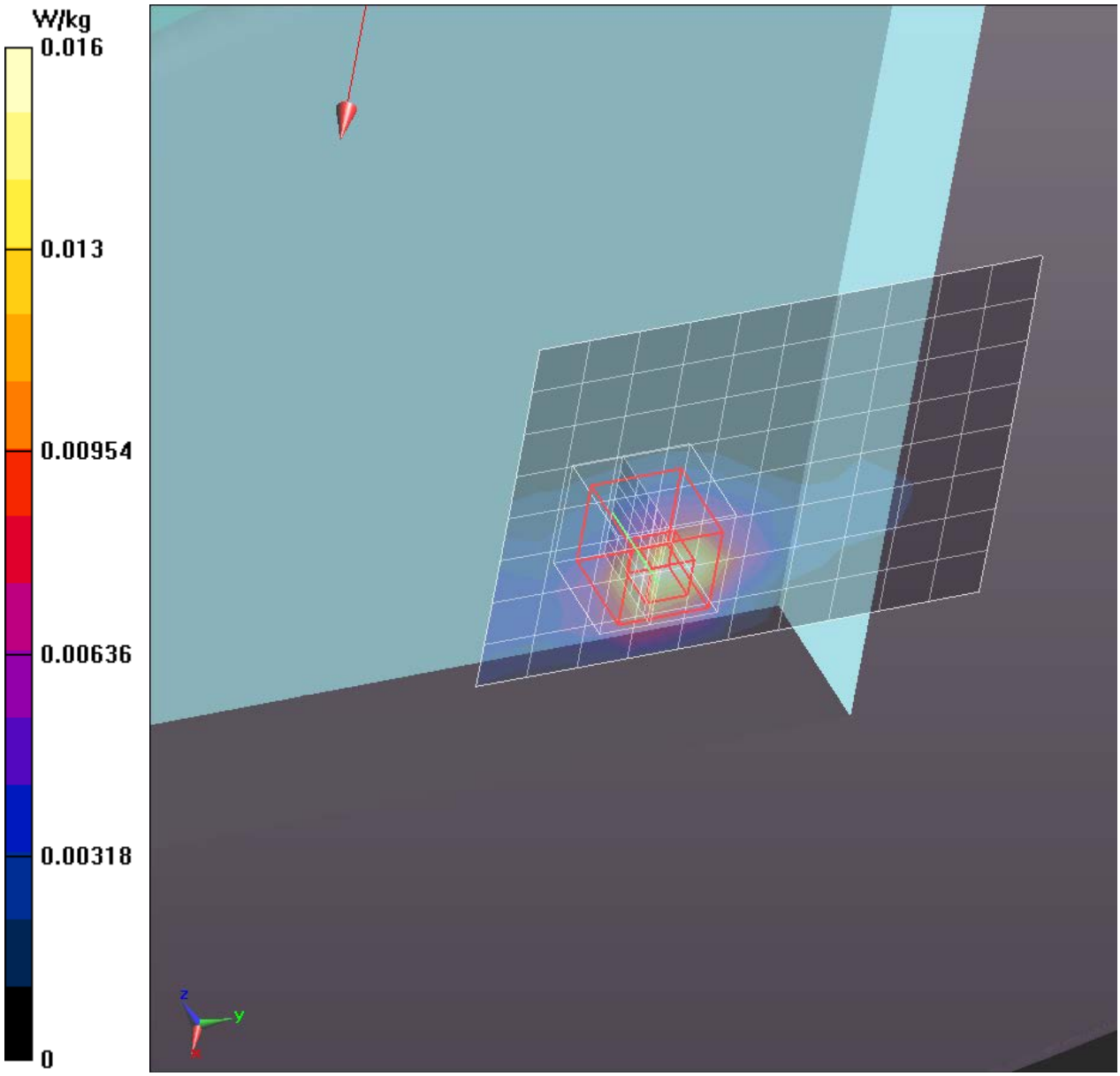
Wifi Flat-Section MSL Testing on 4_20_2013/Front Side, 802.11b, Channel 1/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0159 W/kg

Wifi Flat-Section MSL Testing on 4_20_2013/Front Side, 802.11b, Channel 1/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.581 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0230 W/kg
SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00546 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0173 W/kg


W/kg
0.016
0.013
0.00954
0.00636
0.00318
0
z
y

Date/Time: 11/19/2013 10:52:58 AM

Test Laboratory: Intertek
File Name: 802.11b Channel 1 1Mbps.da52:4

802.11b Channel 11 11Mbps Front Side

Procedure Notes: Ambient Temp: 23.1C Fluid Temp: 22.1C

DUT: Computational Systems - Camaro;

Communication System: UID 0, Generic 802.11b; Communication System Band: 2.4 GHz Band; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2437 MHz; σ = 2.014 S/m; ε_r = 50.442; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(7.92, 7.92, 7.92); Calibrated: 12/10/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/13/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

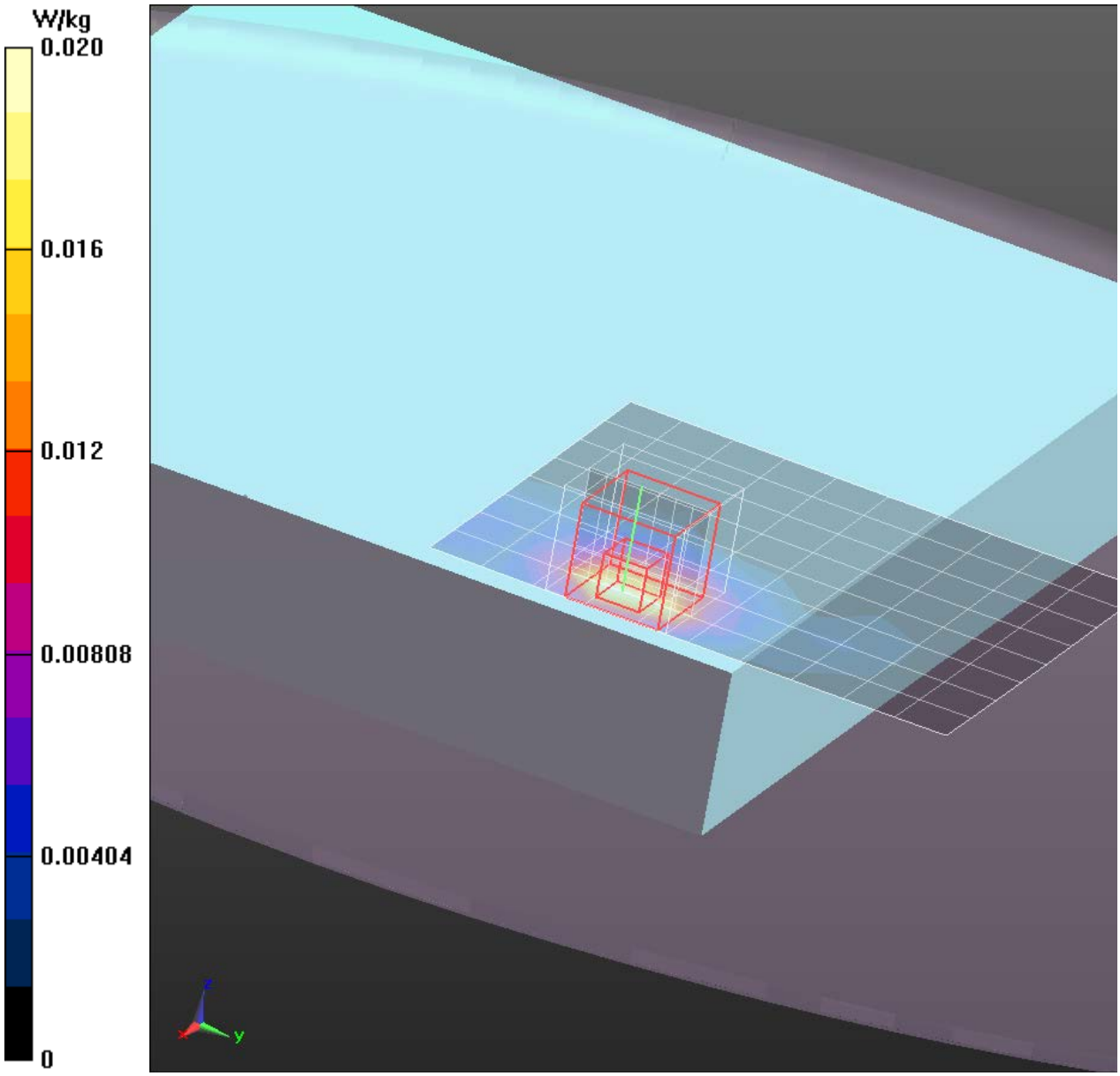
Wifi Flat-Section MSL Testing/Front Side, 802.11b, Channel 6, 2Mbps/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0202 W/kg

Wifi Flat-Section MSL Testing/Front Side, 802.11b, Channel 6, 2Mbps/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.171 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.0280 W/kg
SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00691 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0217 W/kg


W/kg
0.020
0.016
0.012
0.00808
0.00404
0
z
y

Date/Time: 12/30/2013 3:14:58 PM

Test Laboratory: Intertek
File Name: 802.11bg Frontside.da52:4

802.11b Channel 6 1Mbps Front Side

Procedure Notes: Ambient Temp: Fluid Temp:

DUT: Computational Systems - Camaro; Serial:

Communication System: UID 0, Generic 802.11b; Communication System Band: 2.4 GHz Band; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2437 MHz; σ = 2.014 S/m; ε_r = 50.442; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(7.92, 7.92, 7.92); Calibrated: 12/10/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/13/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

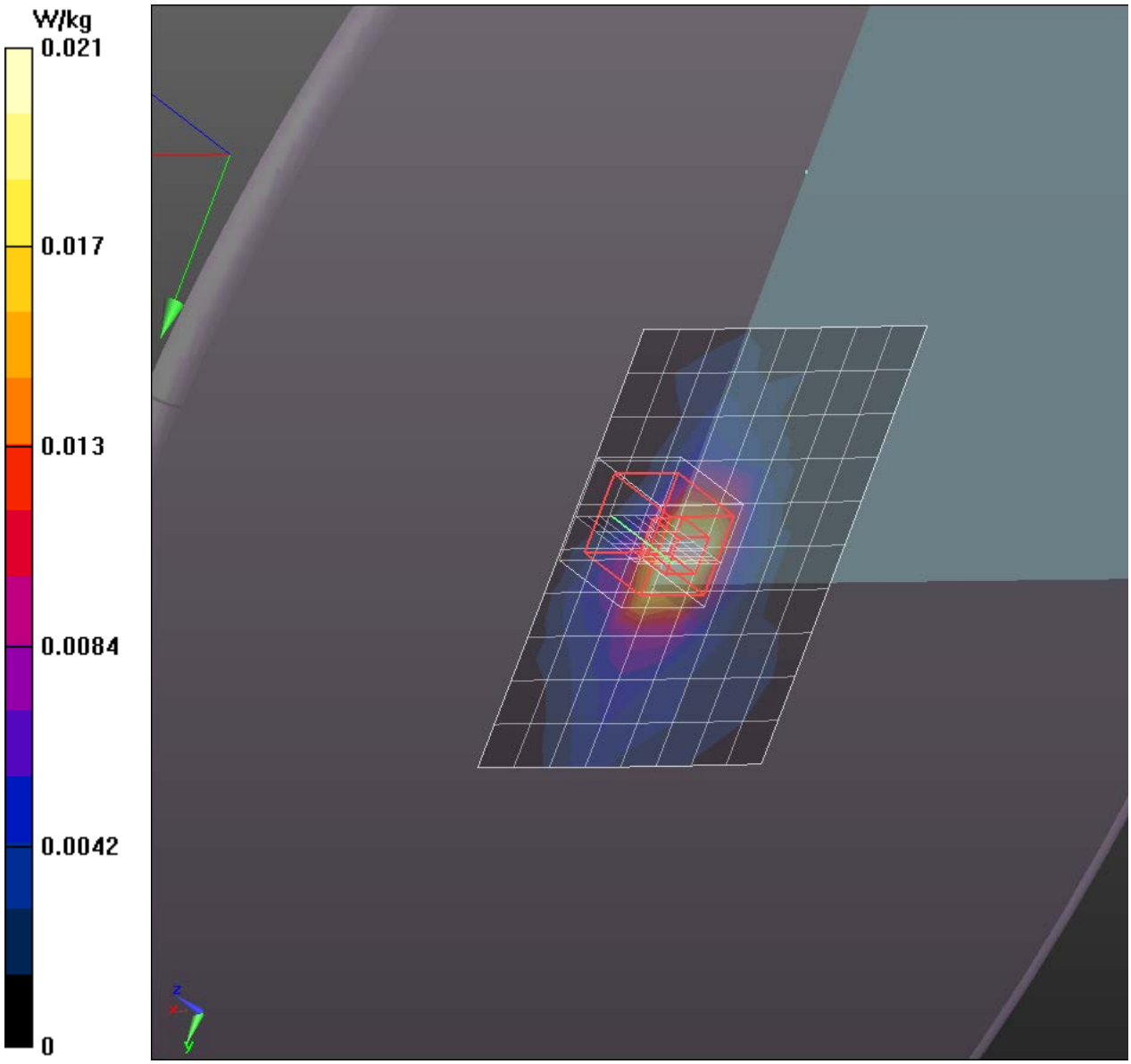
Wifi Flat-Section MSL Testing/Front Side, 802.11b, Channel 6, 1Mbps 1/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0210 W/kg

Wifi Flat-Section MSL Testing/Front Side, 802.11b, Channel 6, 1Mbps 1/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.473 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.0320 W/kg
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00765 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0255 W/kg


W/kg
0.021
0.017
0.013
0.0084
0.0042
0

Date/Time: 11/19/2013 10:52:58 AM

Test Laboratory: Intertek
File Name: 802.11b Channel 1 1Mbps.da52:4

802.11b Channel 6 2Mbps Front Side

Procedure Notes: Ambient Temp: 23.1C Fluid Temp: 22.1C

DUT: Computational Systems - Camaro;

Communication System: UID 0, Generic 802.11b; Communication System Band: 2.4 GHz Band; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2437 MHz; σ = 2.014 S/m; ε_r = 50.442; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(7.92, 7.92, 7.92); Calibrated: 12/10/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/13/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

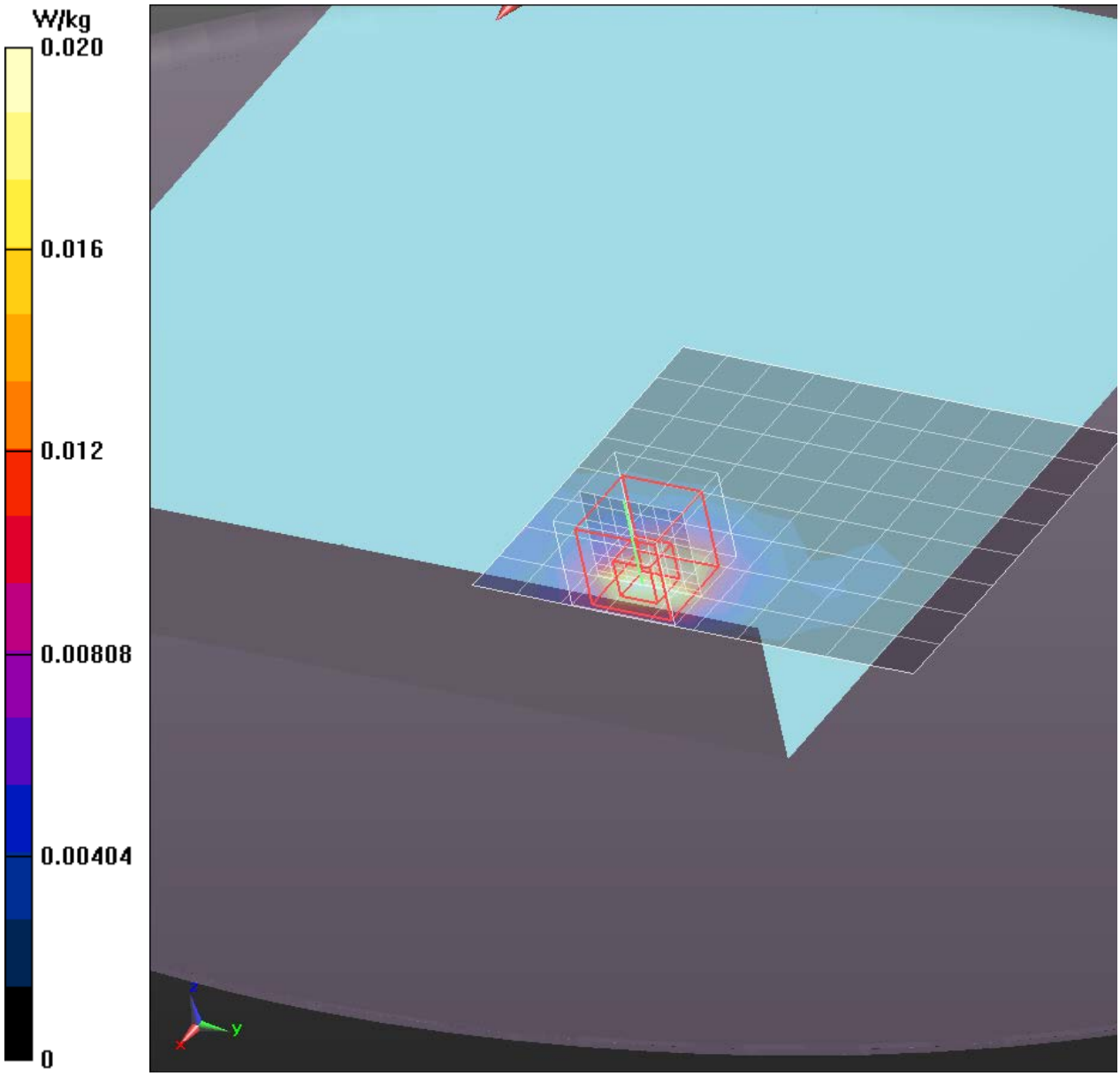
Wifi Flat-Section MSL Testing/Front Side, 802.11b, Channel 6, 2Mbps/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0202 W/kg

Wifi Flat-Section MSL Testing/Front Side, 802.11b, Channel 6, 2Mbps/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.171 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0280 W/kg
SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00691 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0217 W/kg


W/kg
0.020
0.016
0.012
0.00808
0.00404
0
z
y
x

Date/Time: 11/19/2013 2:13:33 PM

Test Laboratory: Intertek
File Name: 802.11b Channel 1 1Mbps.da52:4

802.11g Channel 1 24Mbps Front side

Procedure Notes: Ambient Temp: 23.1C Fluid Temp: 22.1C

DUT: Computational Systems - Camaro;

Communication System: UID 0, Generic 802.11g; Communication System Band: 2.4 GHz Band; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.984 S/m; ε_r = 50.542; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(7.92, 7.92, 7.92); Calibrated: 12/10/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/13/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

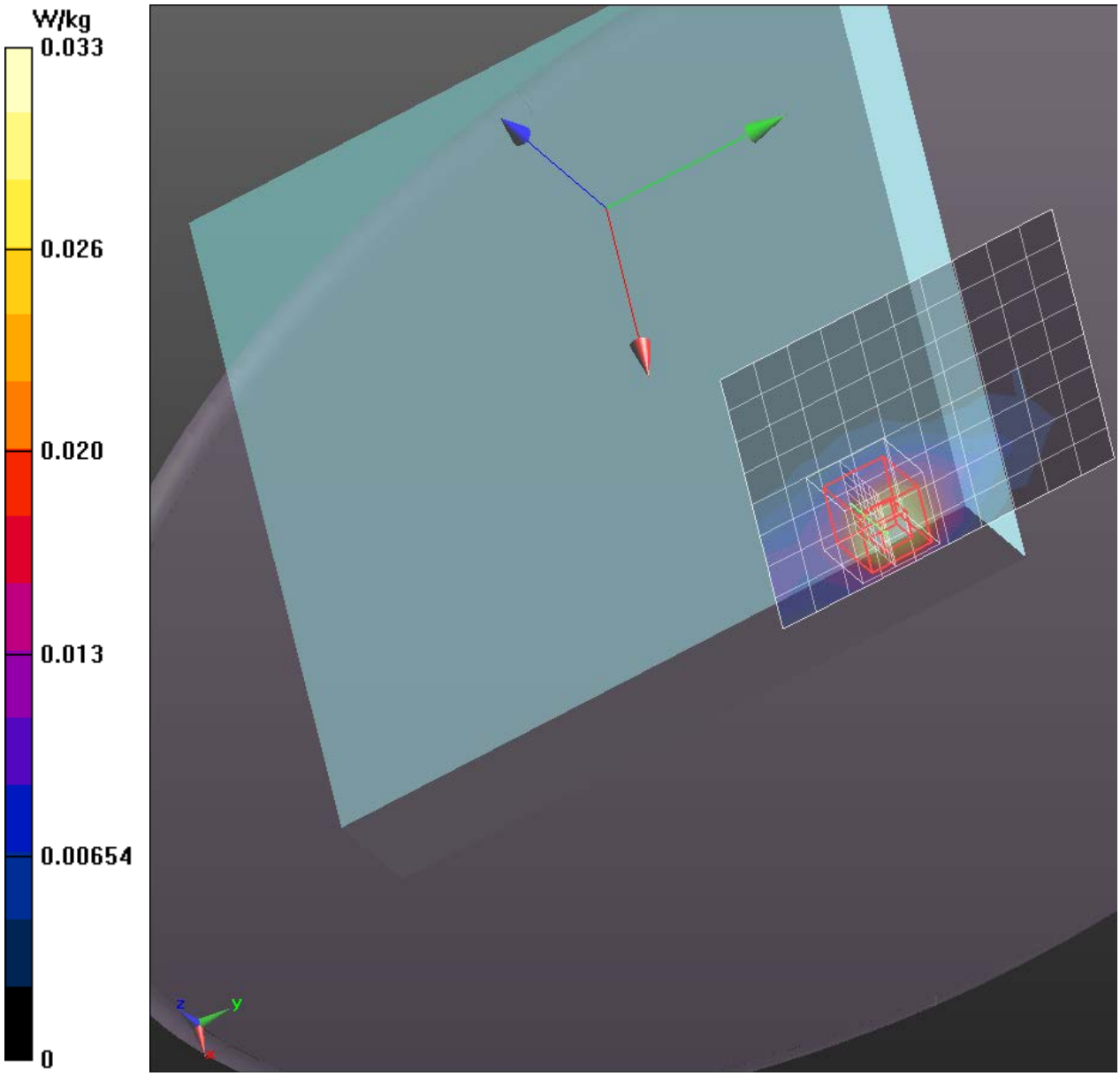
Wifi Flat-Section MSL Testing/Front Side, 802.11g, Channel 1, 24Mbps/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0327 W/kg

Wifi Flat-Section MSL Testing/Front Side, 802.11g, Channel 1, 24Mbps/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.835 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.0450 W/kg
SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.012 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0354 W/kg


W/kg
0.033
0.026
0.020
0.013
0.00654
0
z
y
x

Date/Time: 11/19/2013 12:17:18 PM

Test Laboratory: Intertek
File Name: 802.11b Channel 1 1Mbps.da52:4

802.11g Channel 1 6Mbps Front Side

Procedure Notes: Ambient Temp: 23.1C Fluid Temp: 22.1C

DUT: Computational Systems - Camaro;

Communication System: UID 0, Generic 802.11g; Communication System Band: 2.4 GHz Band; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.984 S/m; ε_r = 50.542; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV3 - SN3516; ConvF(7.92, 7.92, 7.92); Calibrated: 12/10/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn358; Calibrated: 9/13/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

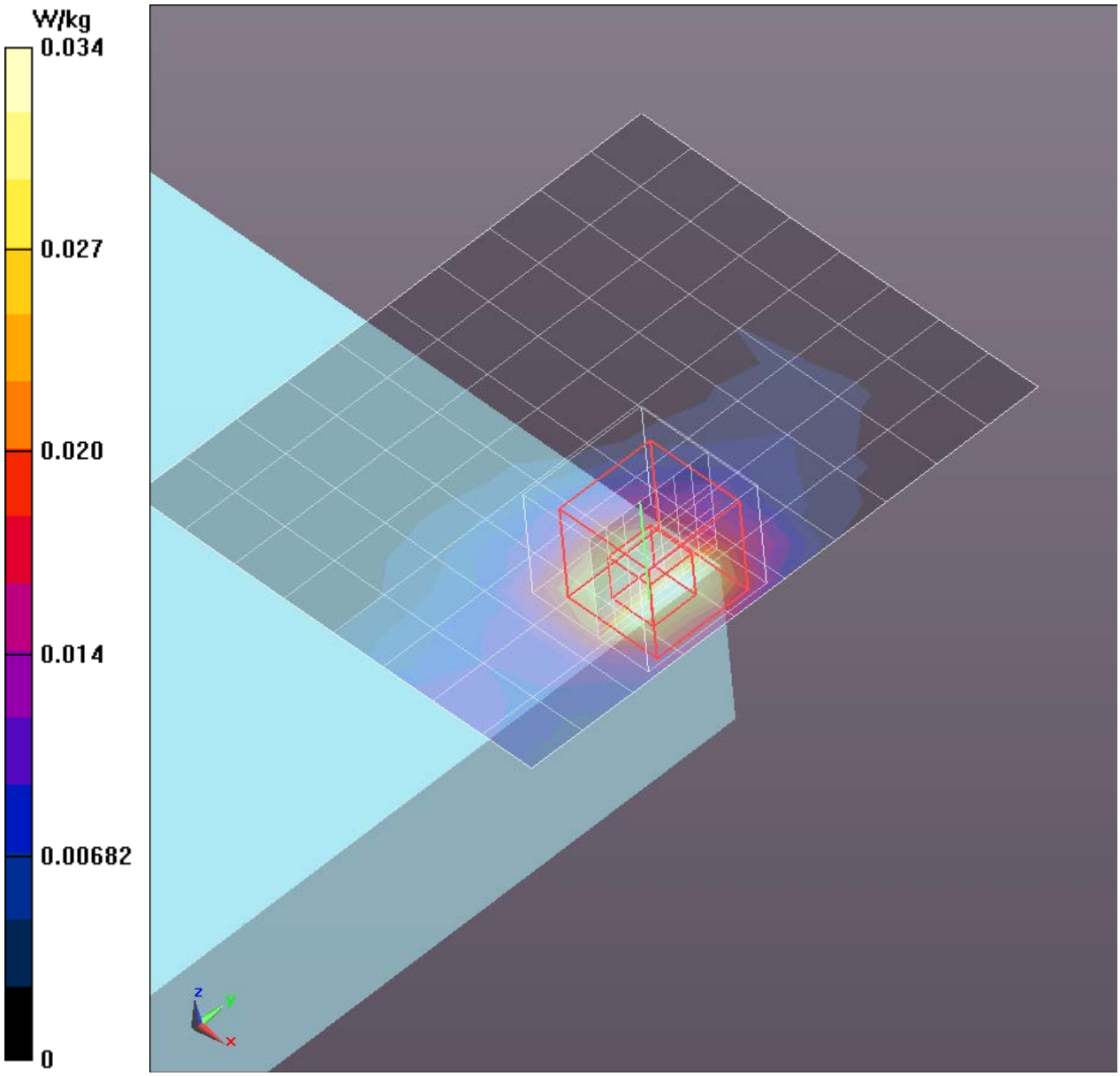
Wifi Flat-Section MSL Testing/Front Side, 802.11g, Channel 1, 6Mbps/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0341 W/kg

Wifi Flat-Section MSL Testing/Front Side, 802.11g, Channel 1, 6Mbps/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.850 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0470 W/kg
SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.012 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0370 W/kg


W/kg
0.034
0.027
0.020
0.014
0.00682
0
z
y
x