LTE Band 7 1RB with IBM T61 Test Position 1 Low(High end)

Date/Time: 2/21/2013 4:15:32 PM

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2510 MHz; σ = 2.05 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 1 Low(High end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.968 mW/g

Test Position 1 Low(High end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.448 mW/g

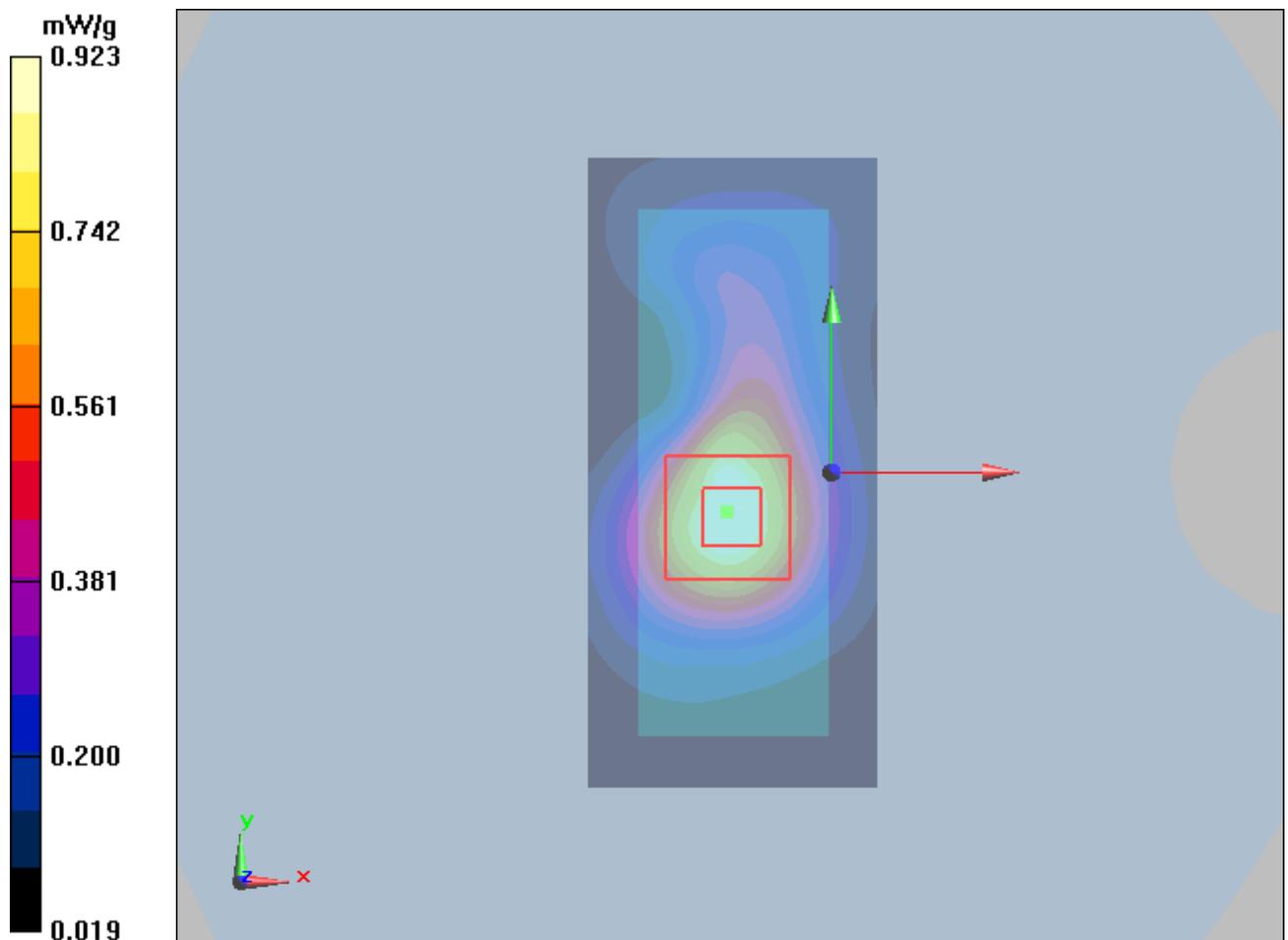Maximum value of SAR (measured) = 0.923 mW/g

Figure 50 LTE Band 7 1RB with IBM T61 Test Position 1 Channel 20850

LTE Band 7 1RB with IBM T61 Test Position 2 High(High end)

Date/Time: 2/21/2013 12:30:44 PM

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 2.1 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Position 2 High(High end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.661 mW/g

Position 2 High(High end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.308 mW/g

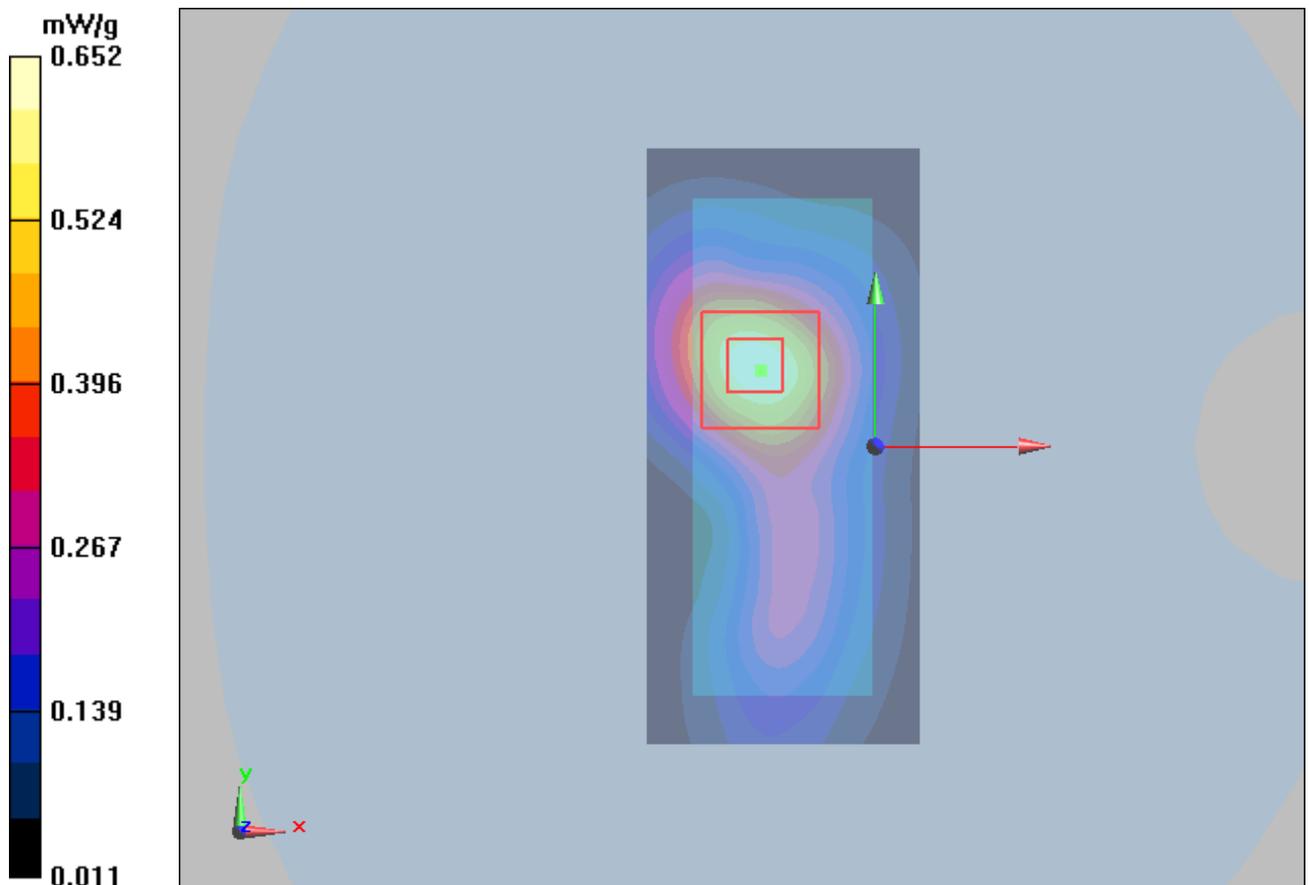Maximum value of SAR (measured) = 0.652 mW/g

Figure 51 LTE Band 7 1RB with IBM T61 Test Position 2 Channel 21350

LTE Band 7 1RB with IBM T61 Test Position 2 Middle (Middle end)

Date/Time: 2/21/2013 11:07:05 PM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 2 Middle(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.819 mW/g

Test Position 2 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.400 mW/g
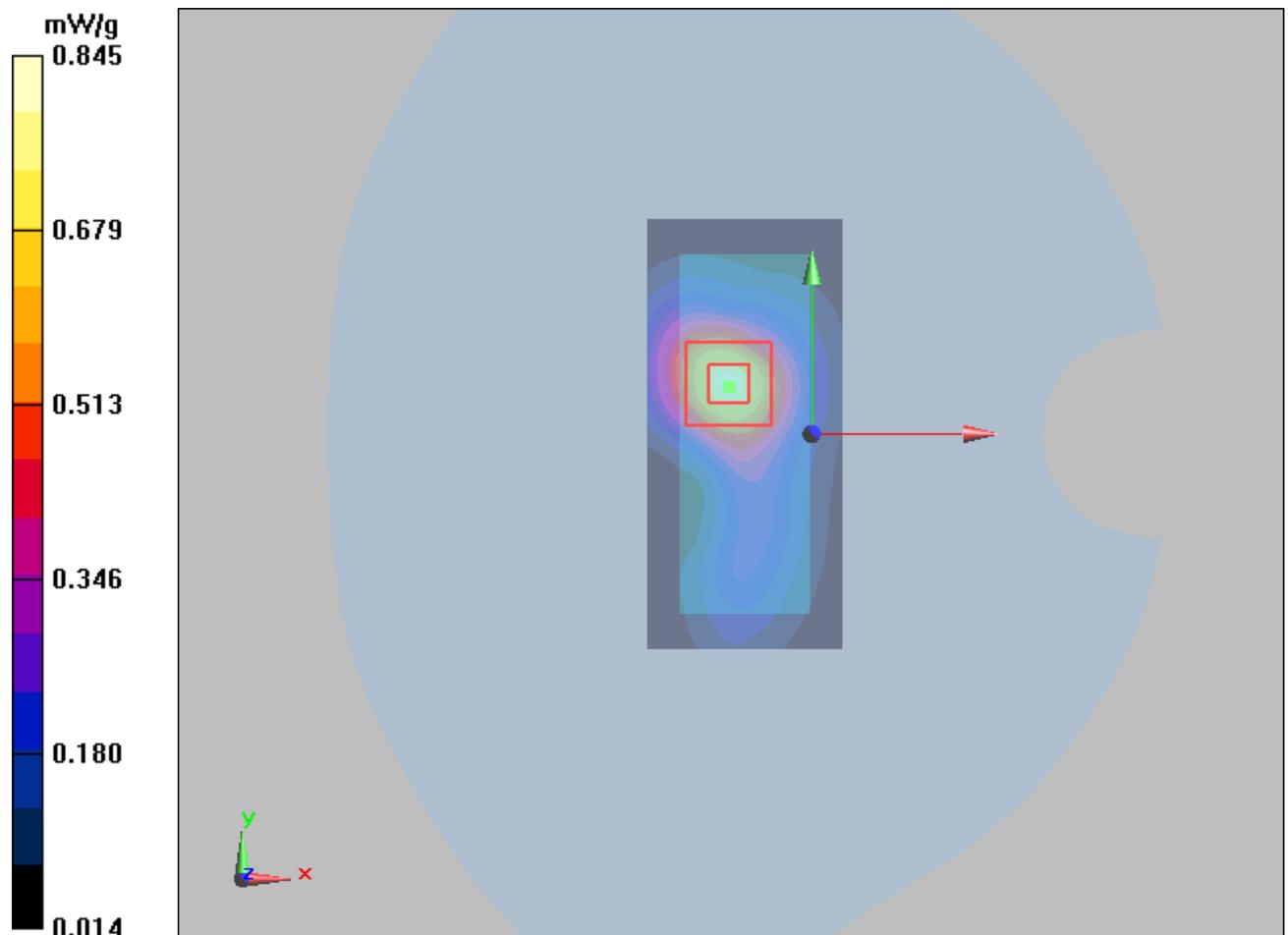
Maximum value of SAR (measured) = 0.845 mW/g

Figure 52 LTE Band 7 1RB with IBM T61 Test Position 2 Channel 21100

LTE Band 7 1RB with IBM T61 Test Position 2 Low(High end)

Date/Time: 2/21/2013 1:04:05 PM

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2510 MHz; σ = 2.05 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 2 Low(High end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.936 mW/g

Test Position 2 Low(High end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.435 mW/g
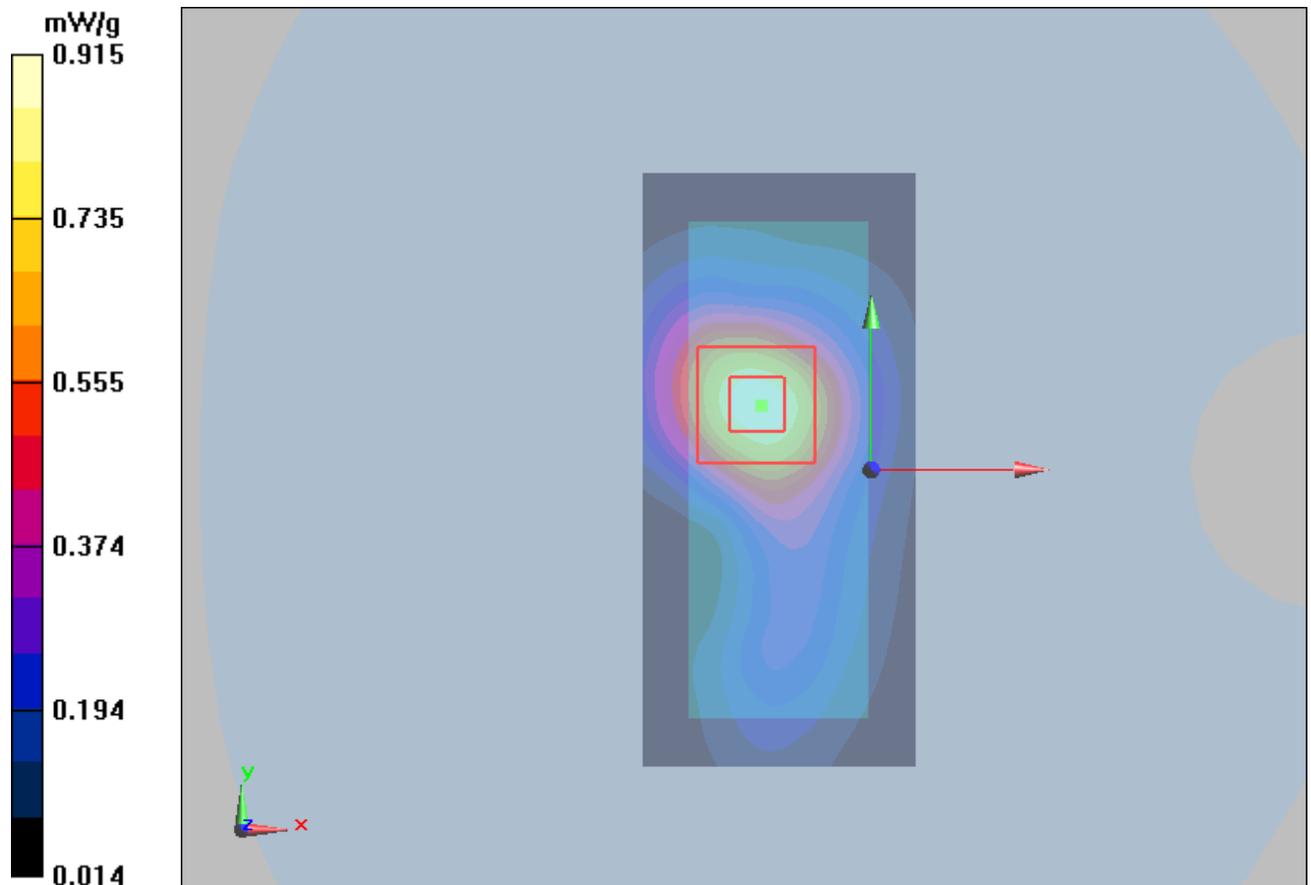
Maximum value of SAR (measured) = 0.915 mW/g

Figure 53 LTE Band 7 1RB with IBM T61 Test Position 2 Channel 20850

LTE Band 7 1RB with IBM T61 Test Position 3 Middle (Middle end)

Date/Time: 2/21/2013 9:53:52 AM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m³

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 3 Middle(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.535 mW/g

Test Position 3 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 0.840 W/kg

SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.239 mW/g
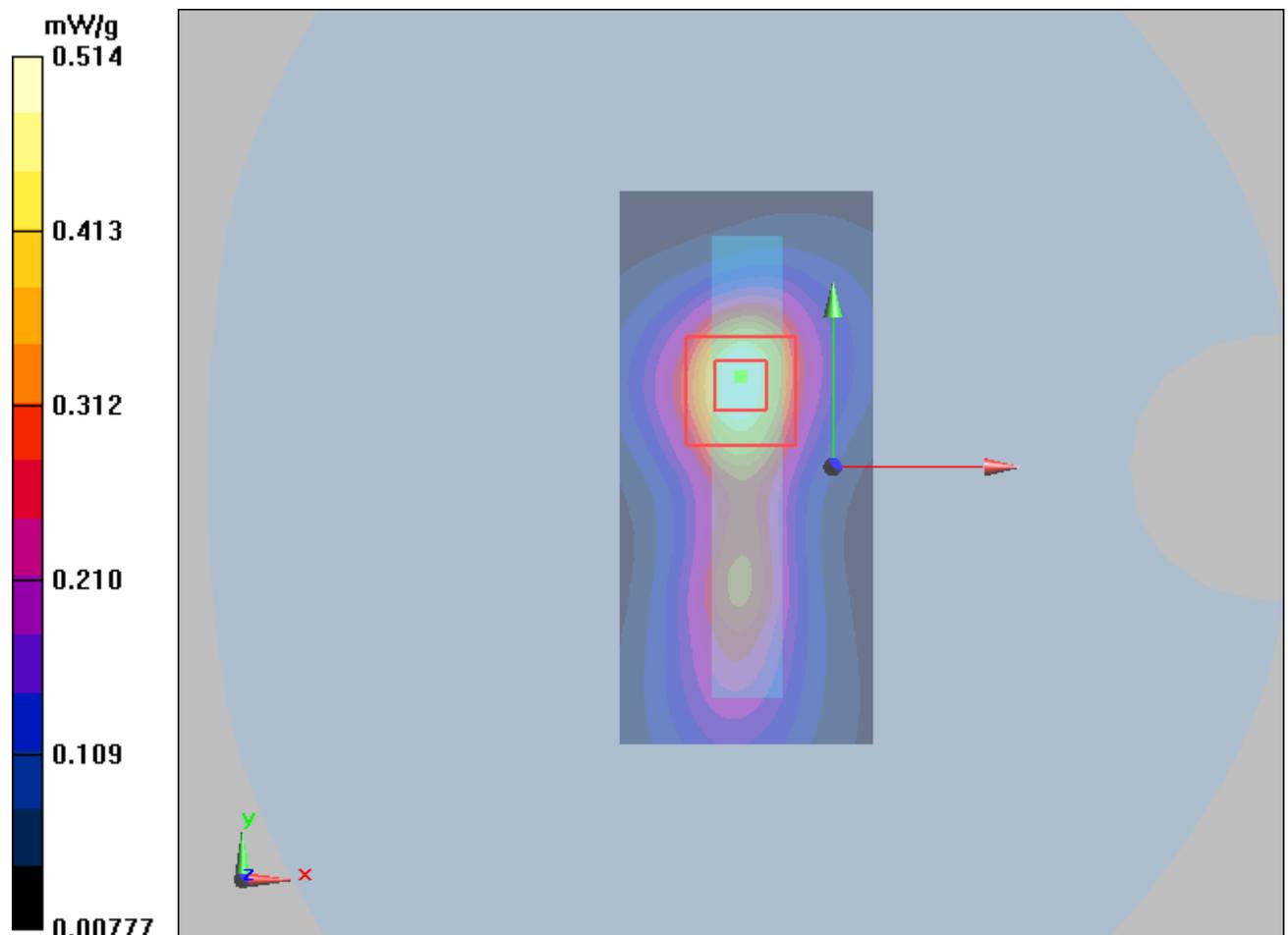
Maximum value of SAR (measured) = 0.514 mW/g

Figure 54 LTE Band 7 1RB with IBM T61 Test Position 3 Channel 21100

LTE Band 7 1RB with IBM T61 Test Position 4 Middle(Middle end)

Date/Time: 2/21/2013 10:15:12 PM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 4 Middle(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.159 mW/g

Test Position 4 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.94 V/m; Power Drift = 0.094 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.076 mW/g
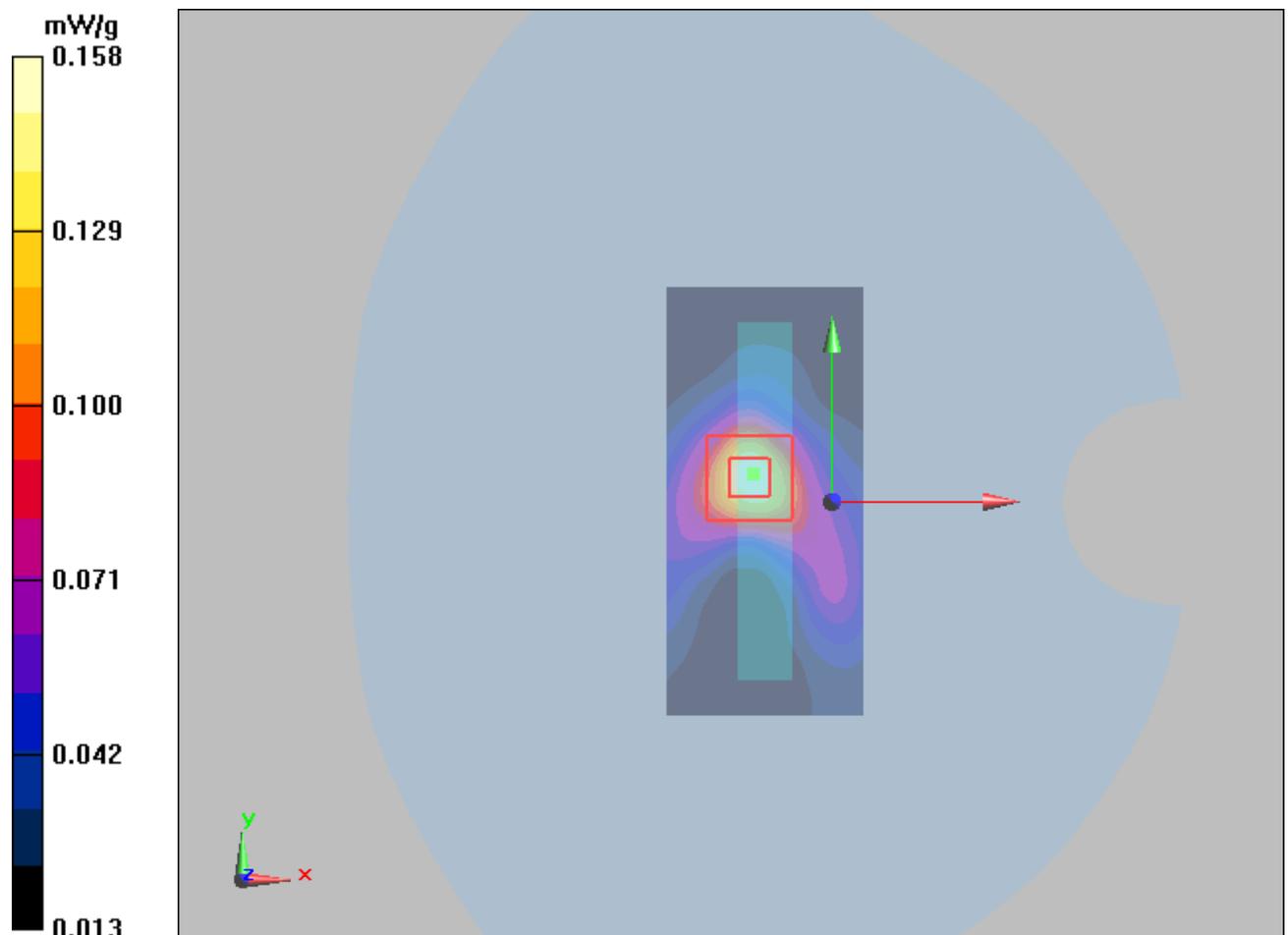
Maximum value of SAR (measured) = 0.158 mW/g

Figure 55 LTE Band 7 1RB with IBM T61 Test Position 4 Channel 21100

LTE Band 7 1RB with IBM T61 Test Position 5 Middle (Middle end)

Date/Time: 2/21/2013 11:00:40 AM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 5 Middle(Middle end)/Area Scan (51x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.041 mW/g

Test Position 5 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.35 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.061 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.023 mW/g
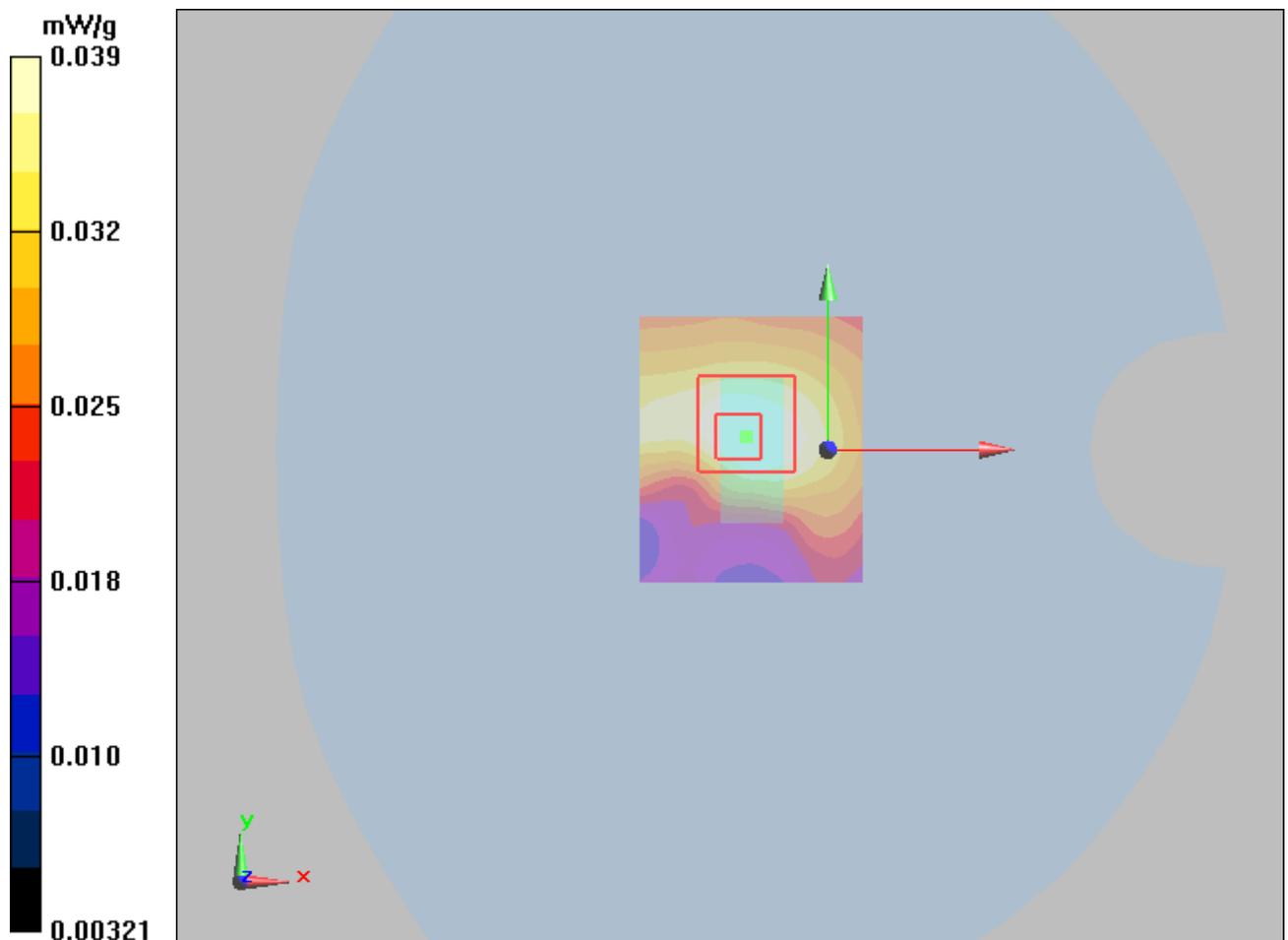
Maximum value of SAR (measured) = 0.039 mW/g

Figure 56 LTE Band 7 1RB with IBM T61 Test Position 5 Channel 21100

LTE Band 7 50%RB with IBM T61 Test Position 1 High (Middle end)

Date/Time: 2/21/2013 3:42:42 PM

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 2.1 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 1 High(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.822 mW/g

Test Position 1 High(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.9 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.382 mW/g
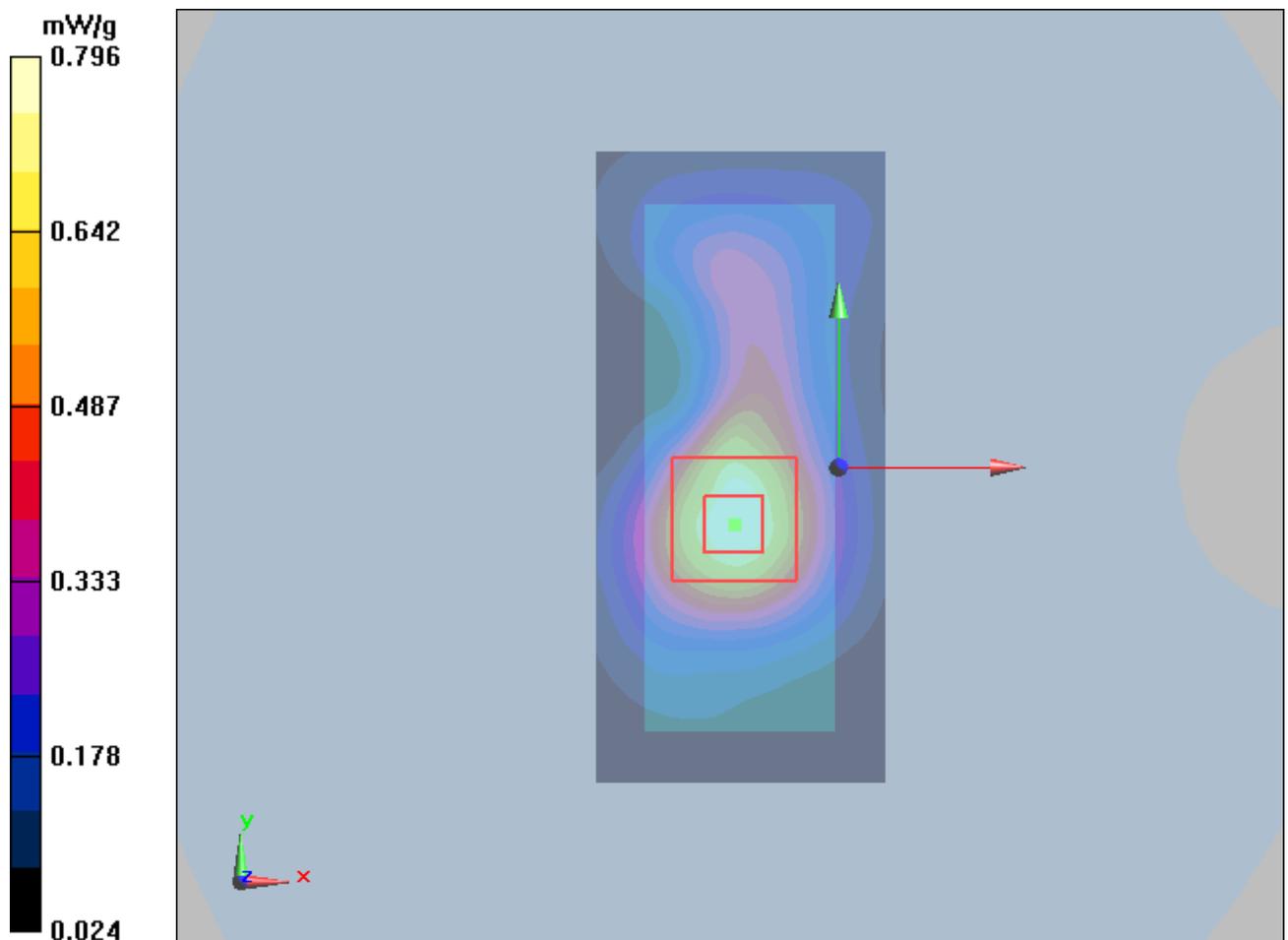
Maximum value of SAR (measured) = 0.796 mW/g

Figure 57 LTE Band 7 50%RB with IBM T61 Test Position 1 Channel 21350

LTE Band 7 50%RB with IBM T61 Test Position 1 Middle (Middle end)

Date/Time: 2/21/2013 2:40:45 PM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m³

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 1 Middle(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.827 mW/g

Test Position 1 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.7 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.732 mW/g; SAR(10 g) = 0.382 mW/g
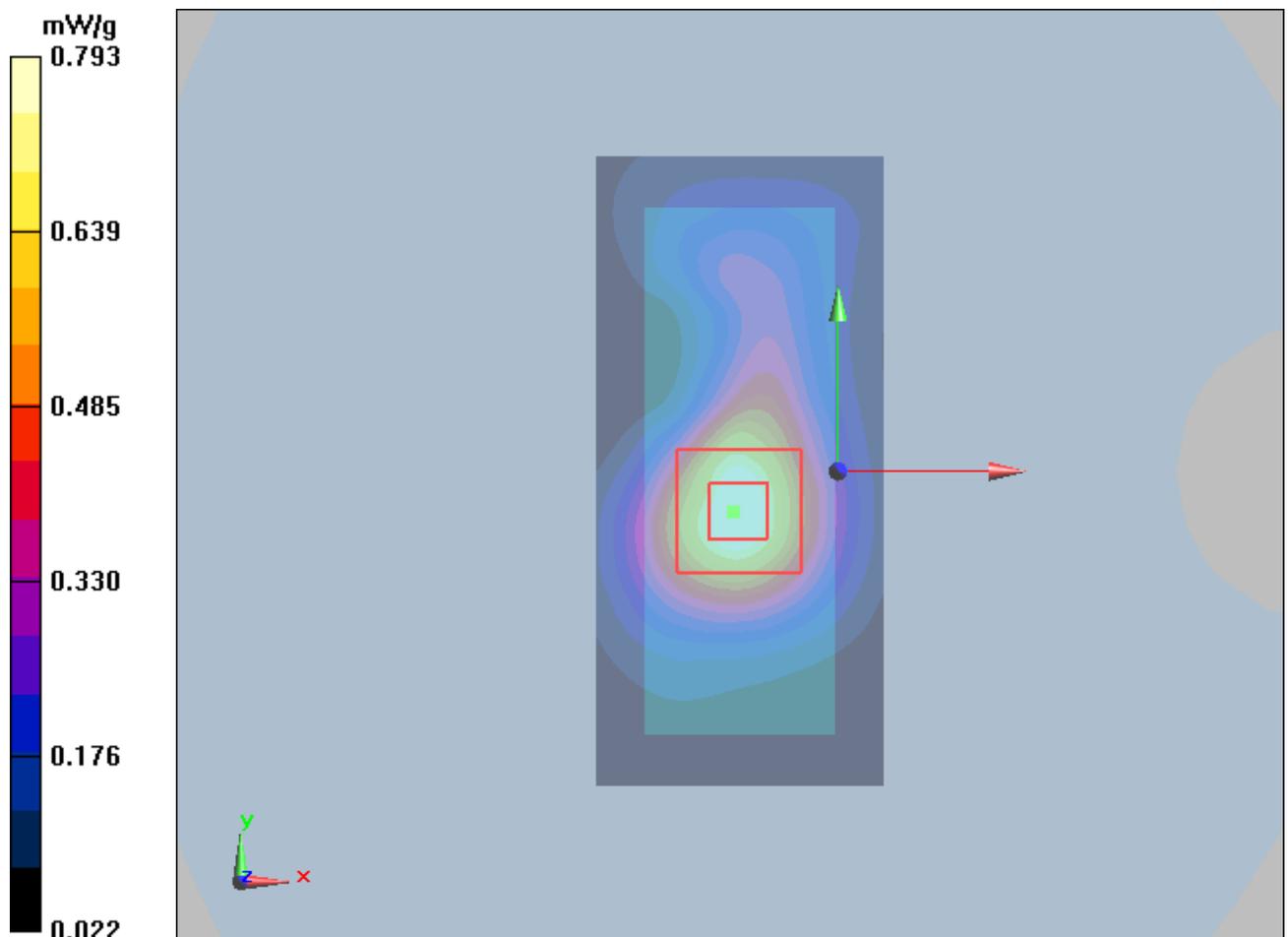
Maximum value of SAR (measured) = 0.793 mW/g

Figure 58 LTE Band 7 50%RB with IBM T61 Test Position 1 Channel 21100

LTE Band 7 50%RB with IBM T61 Test Position 1 Low(Middle end)

Date/Time: 2/21/2013 4:38:21 PM

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2510 MHz; σ = 2.05 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 1 Low(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.944 mW/g

Test Position 1 Low(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.1 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.5 W/kg

SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.439 mW/g
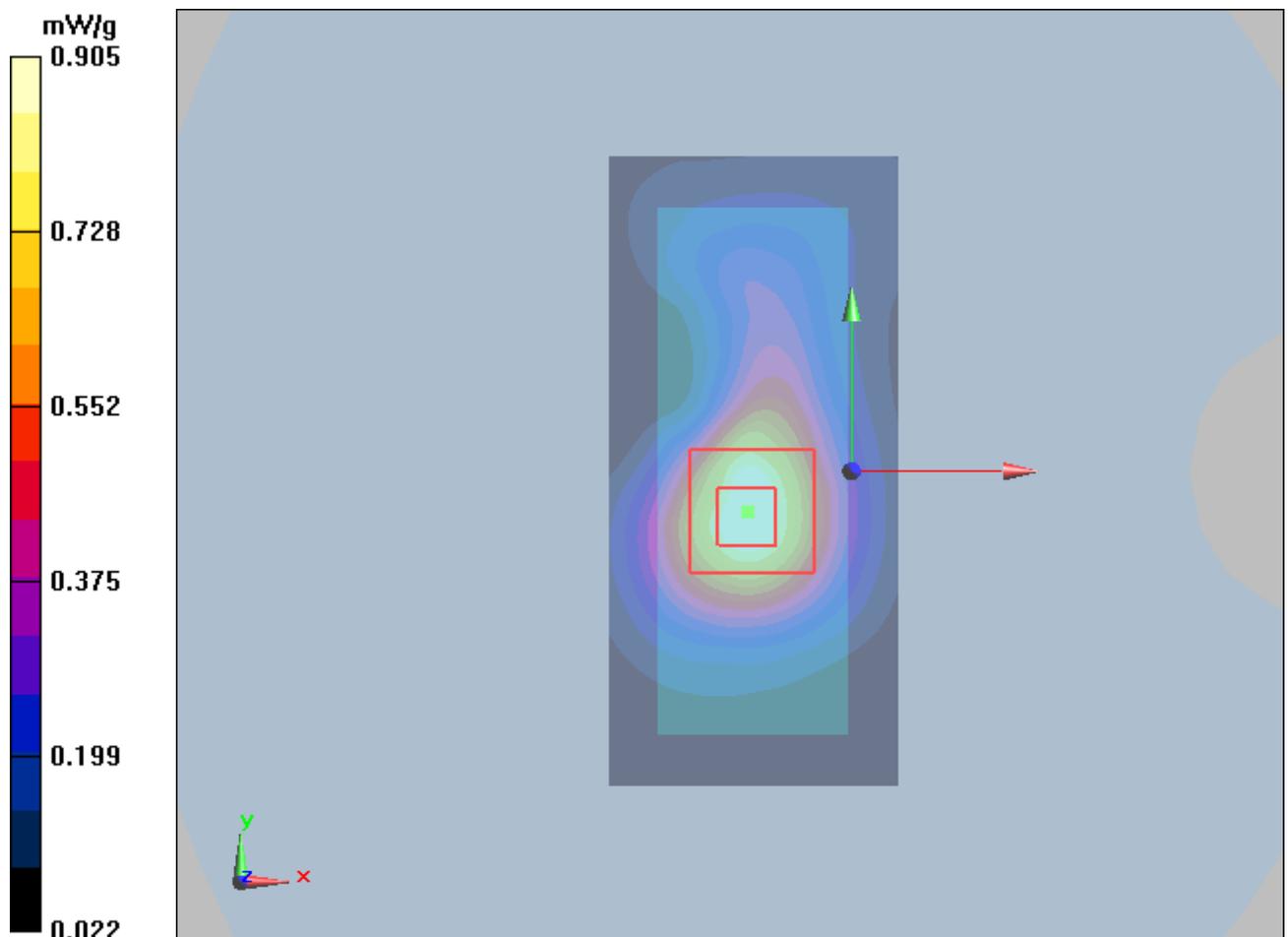
Maximum value of SAR (measured) = 0.905 mW/g

Figure 59 LTE Band 7 50%RB with IBM T61 Test Position 1 Channel 20850

LTE Band 7 50%RB with IBM T61 Test Position 2 High(Middle end)

Date/Time: 2/21/2013 12:13:19 PM

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 2.1 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃　　　　Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 2 High(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.679 mW/g

Test Position 2 High(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = 0.098 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.319 mW/g

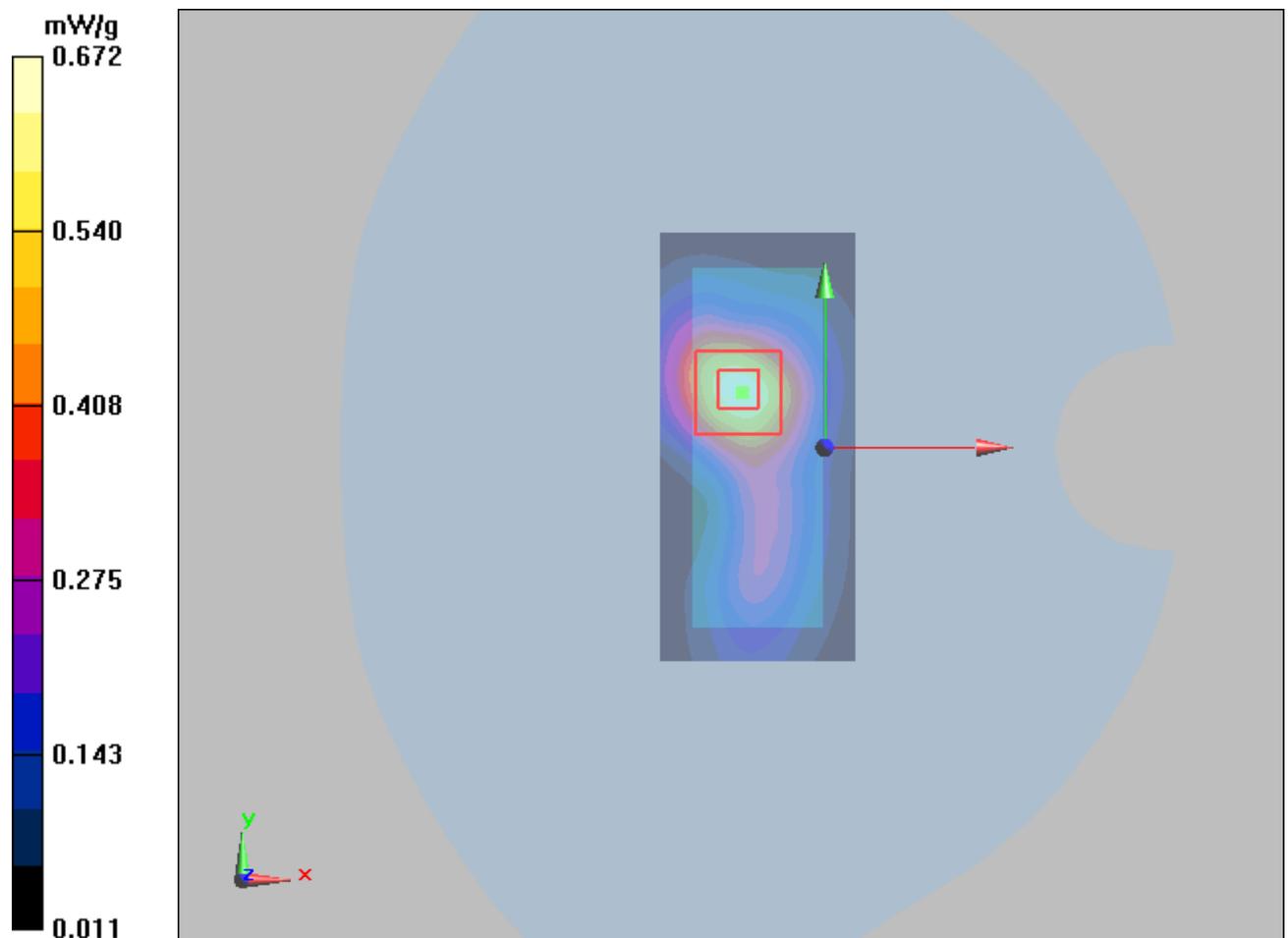Maximum value of SAR (measured) = 0.672 mW/g

Figure 60 LTE Band 7 50%RB with IBM T61 Test Position 2 Channel 21350

LTE Band 7 50%RB with IBM T61 Test Position 2 Middle (Middle end)

Date/Time: 2/21/2013 11:35:36 AM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 2 Middle(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.788 mW/g

Test Position 2 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.364 mW/g

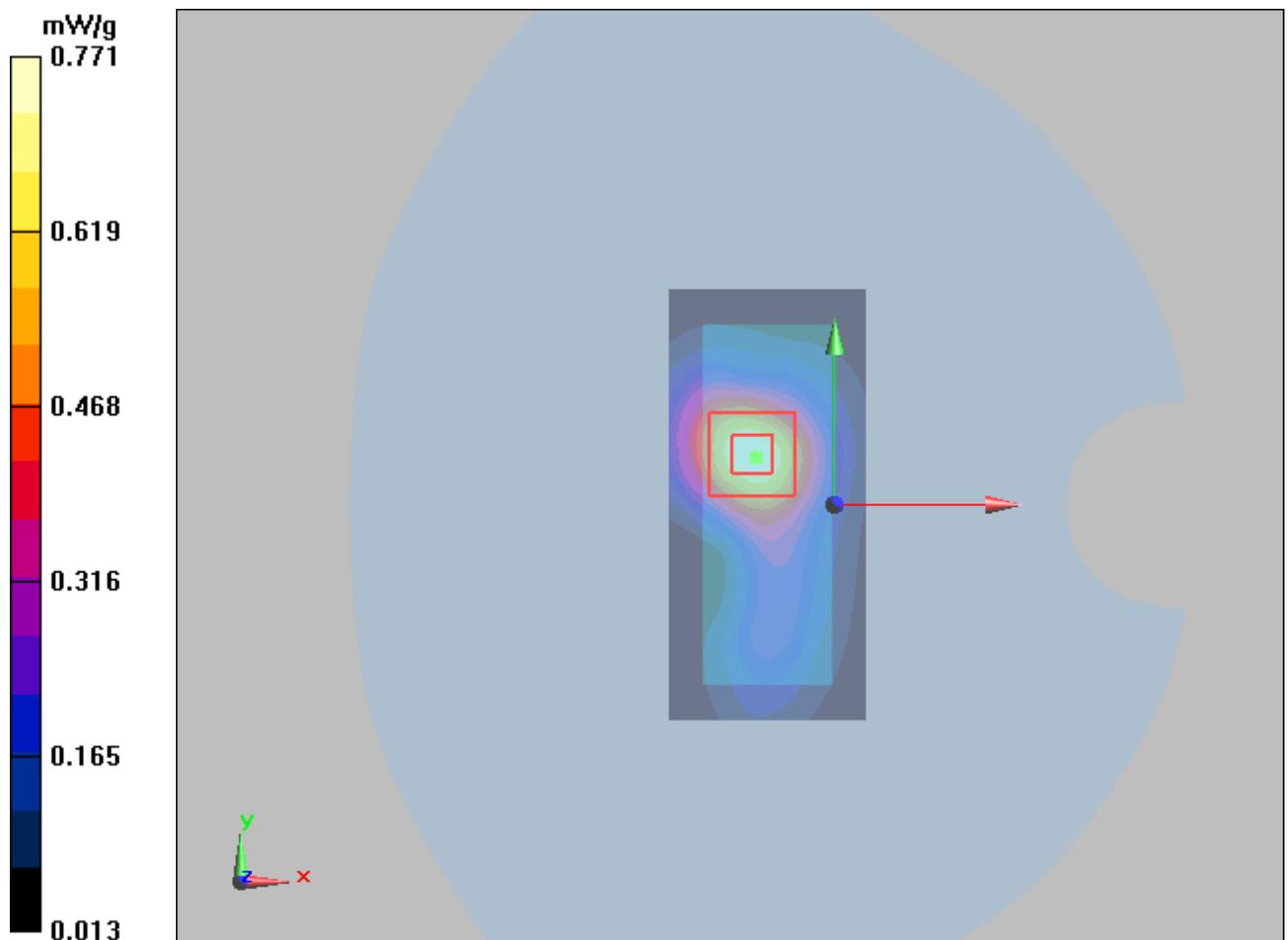Maximum value of SAR (measured) = 0.771 mW/g

Figure 61 LTE Band 7 50%RB with IBM T61 Test Position 2 Channel 21100

LTE Band 7 50%RB with IBM T61 Test Position 2 Low(Middle end)

Date/Time: 2/21/2013 12:47:39 PM

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2510 MHz; σ = 2.05 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 2 Low(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.926 mW/g

Test Position 2 Low(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.431 mW/g
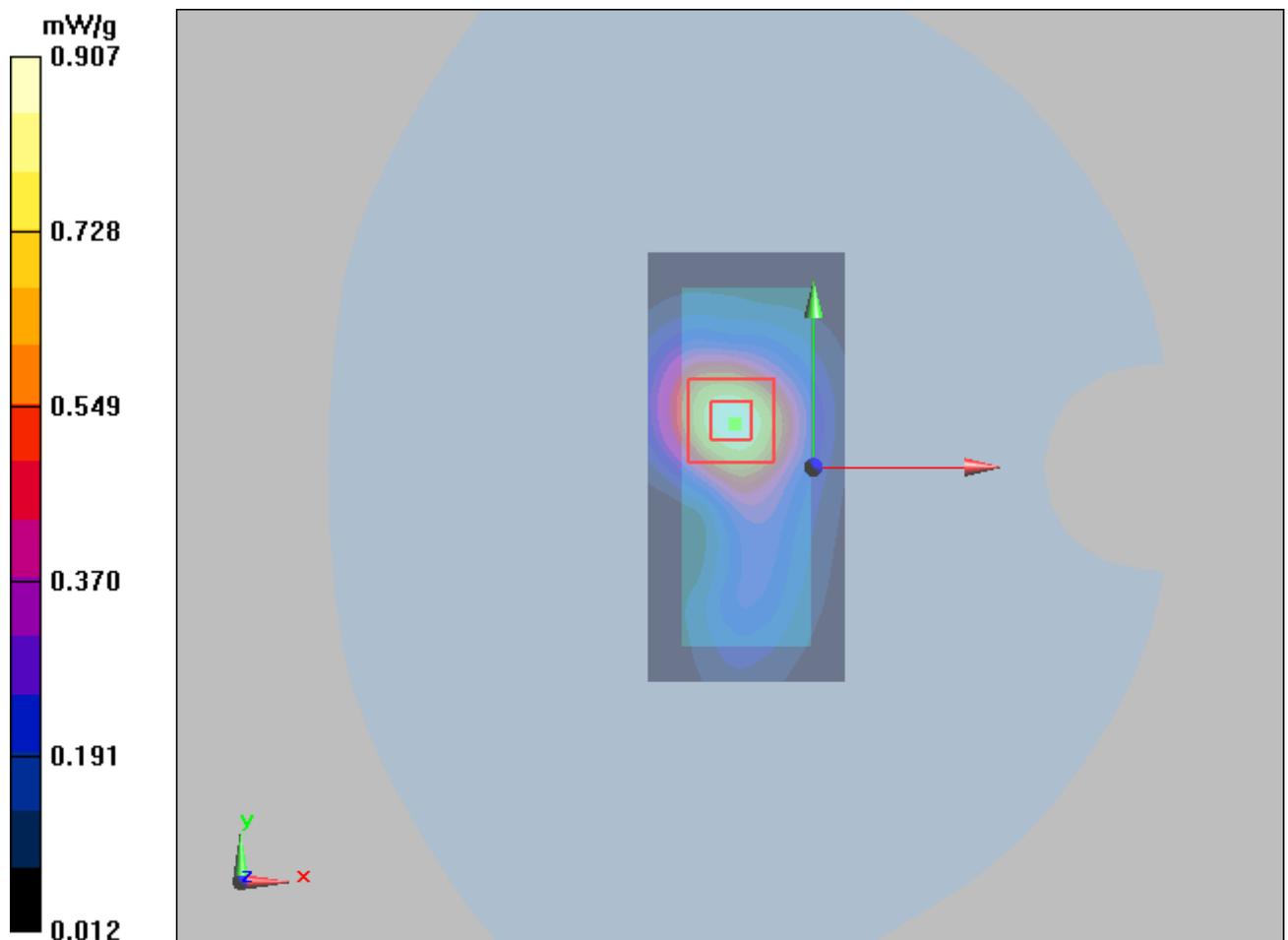
Maximum value of SAR (measured) = 0.907 mW/g

Figure 62 LTE Band 7 50%RB with IBM T61 Test Position 2 Channel 20850

LTE Band 7 50%RB with IBM T61 Test Position 3 Middle(Middle end)

Date/Time: 2/21/2013 9:37:46 AM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 3 Middle(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.435 mW/g

Test Position 3 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.209 mW/g

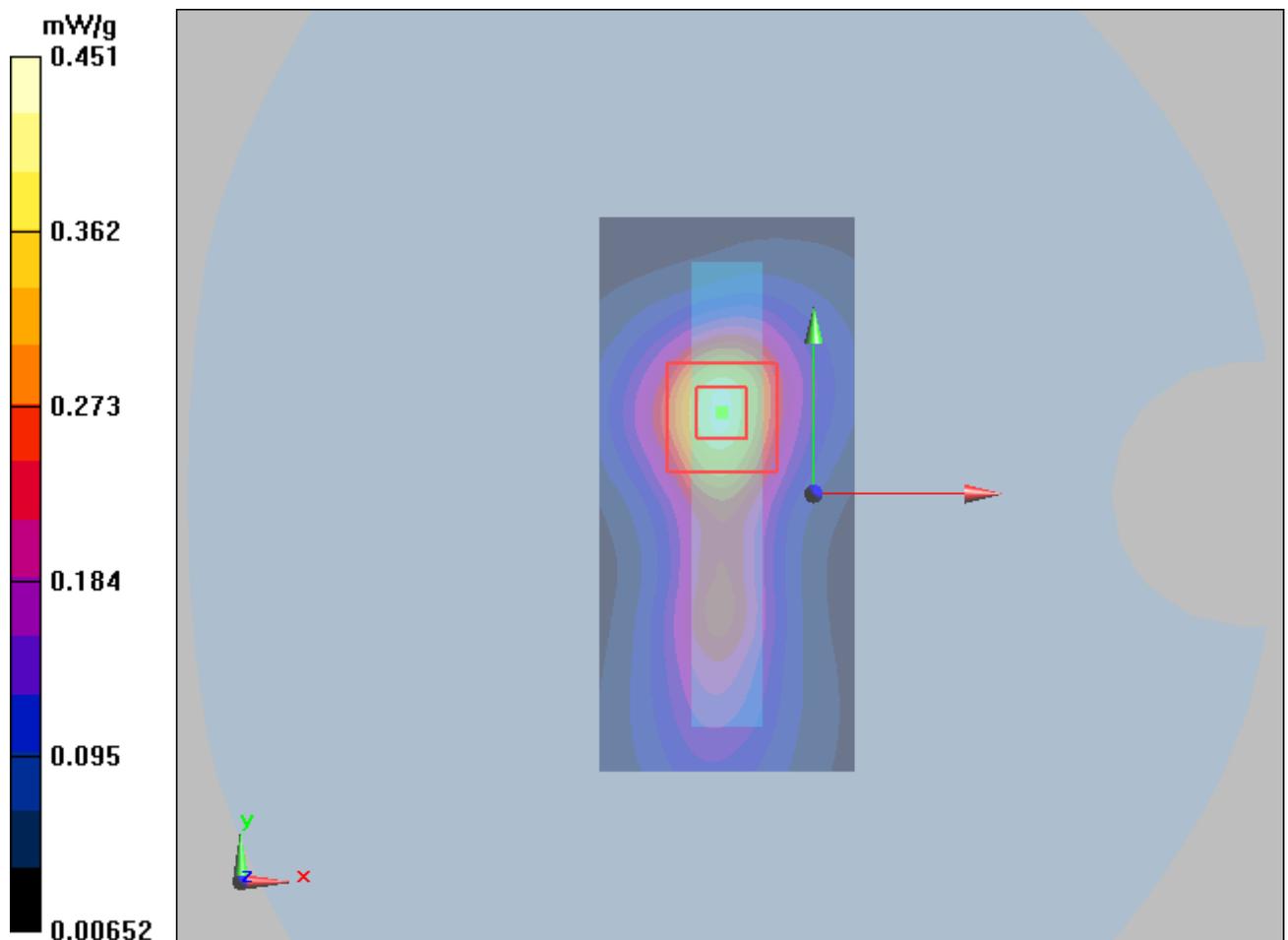Maximum value of SAR (measured) = 0.451 mW/g

Figure 63 LTE Band 7 50%RB with IBM T61 Test Position 3 Channel 21100

LTE Band 7 50%RB with IBM T61 Test Position 4 Middle (Middle end)

Date/Time: 2/21/2013 9:58:37 AM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 4 Middle(Middle end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.134 mW/g

Test Position 4 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.3 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.069 mW/g
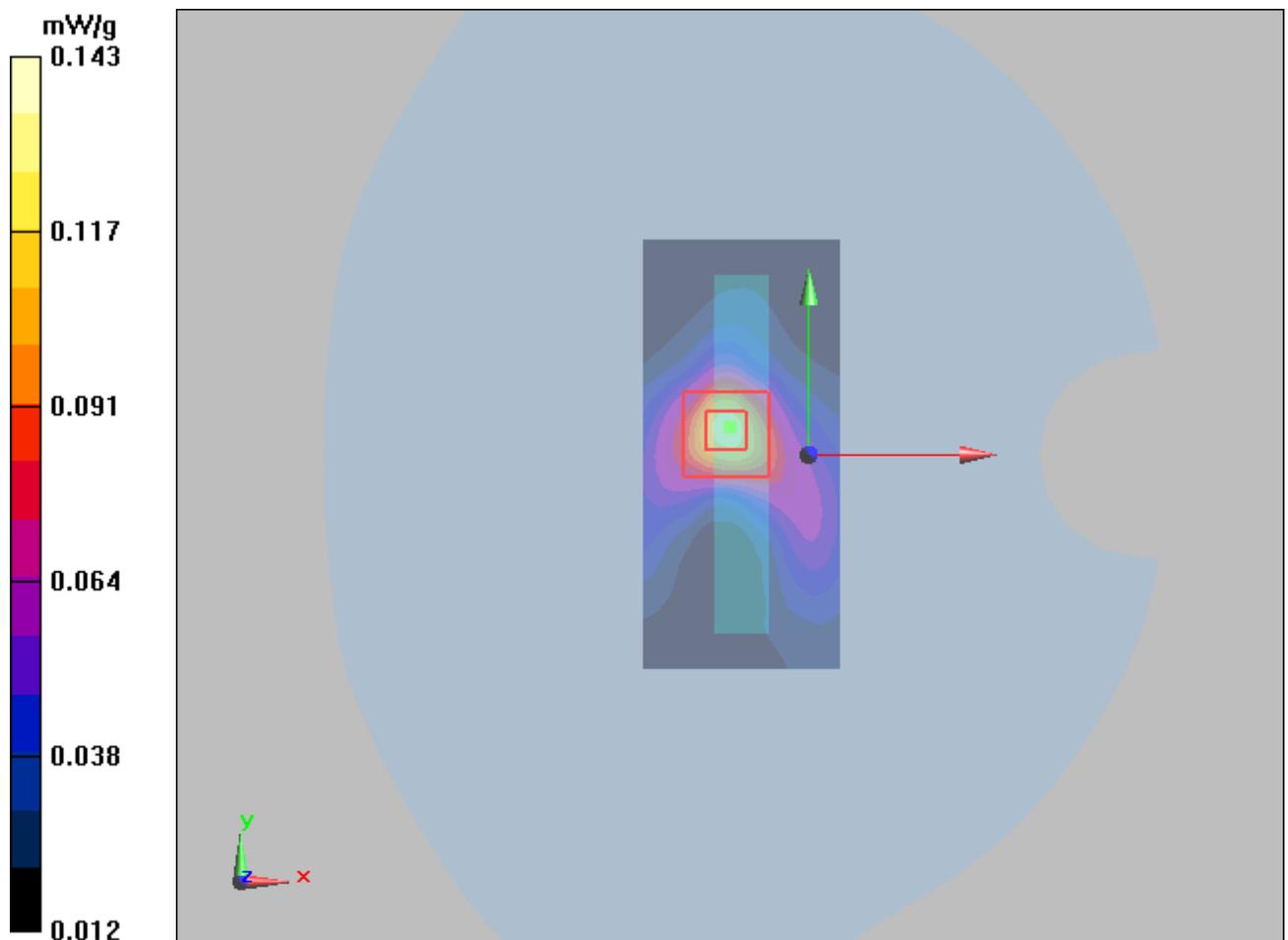
Maximum value of SAR (measured) = 0.143 mW/g

Figure 64 LTE Band 7 50%RB with IBM T61 Test Position 4 Channel 21100

LTE Band 7 50%RB with IBM T61 Test Position 5 Middle (Middle end)

Date/Time: 2/21/2013 10:47:36 AM

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2535 MHz; σ = 2.08 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 5 Middle(Middle end)/Area Scan (51x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.036 mW/g

Test Position 5 Middle(Middle end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.15 V/m; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.052 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.020 mW/g
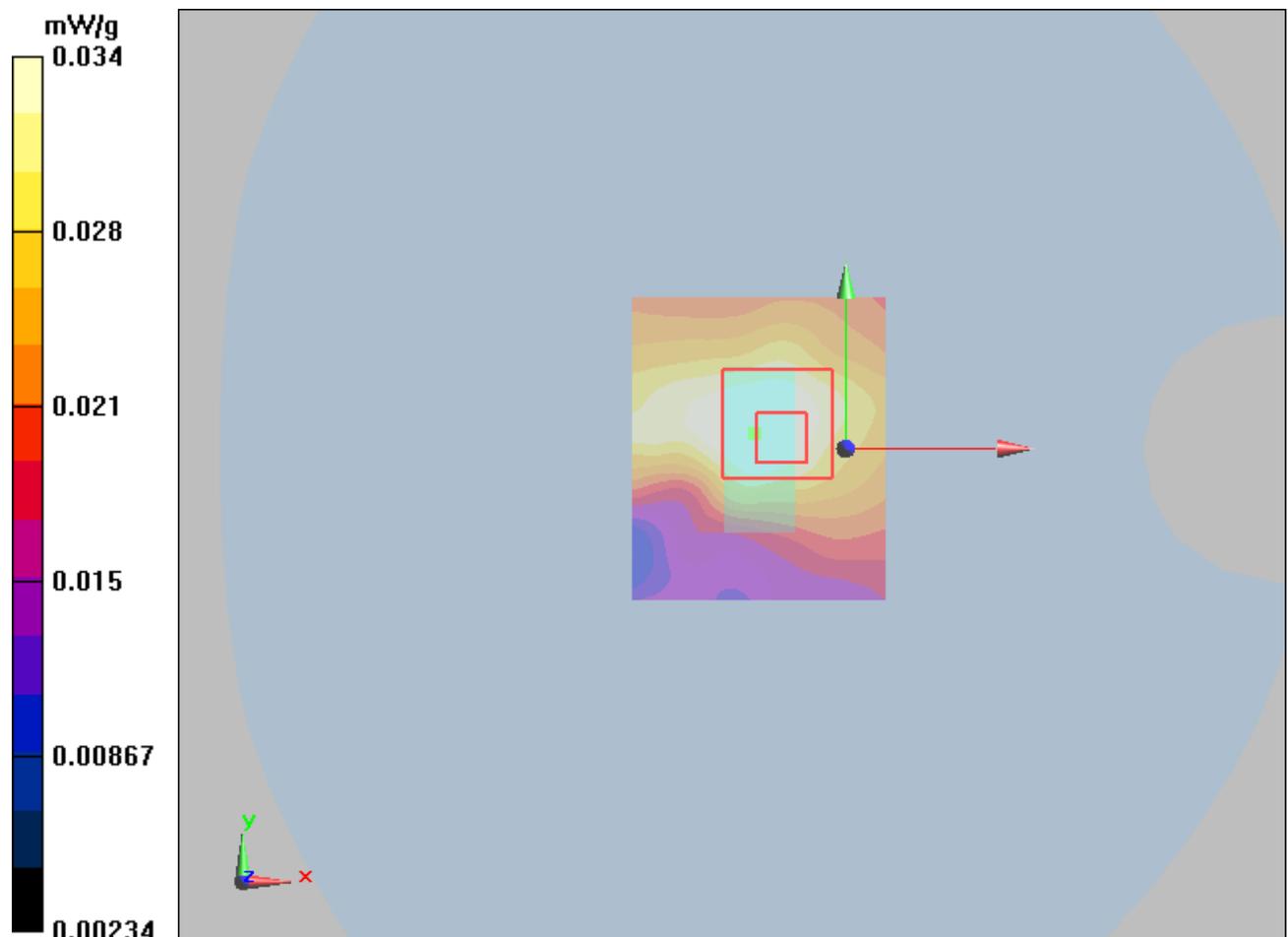
Maximum value of SAR (measured) = 0.034 mW/g

Figure 65 LTE Band 7 50%RB with IBM T61 Test Position 5 Channel 21100

LTE Band 7 100%RB with IBM T61 Test Position 1 High (High end)

Date/Time: 2/21/2013 3:58:45 PM

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 2.1 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 1 High(High end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.802 mW/g

Test Position 1 High(High end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.716 mW/g; SAR(10 g) = 0.378 mW/g

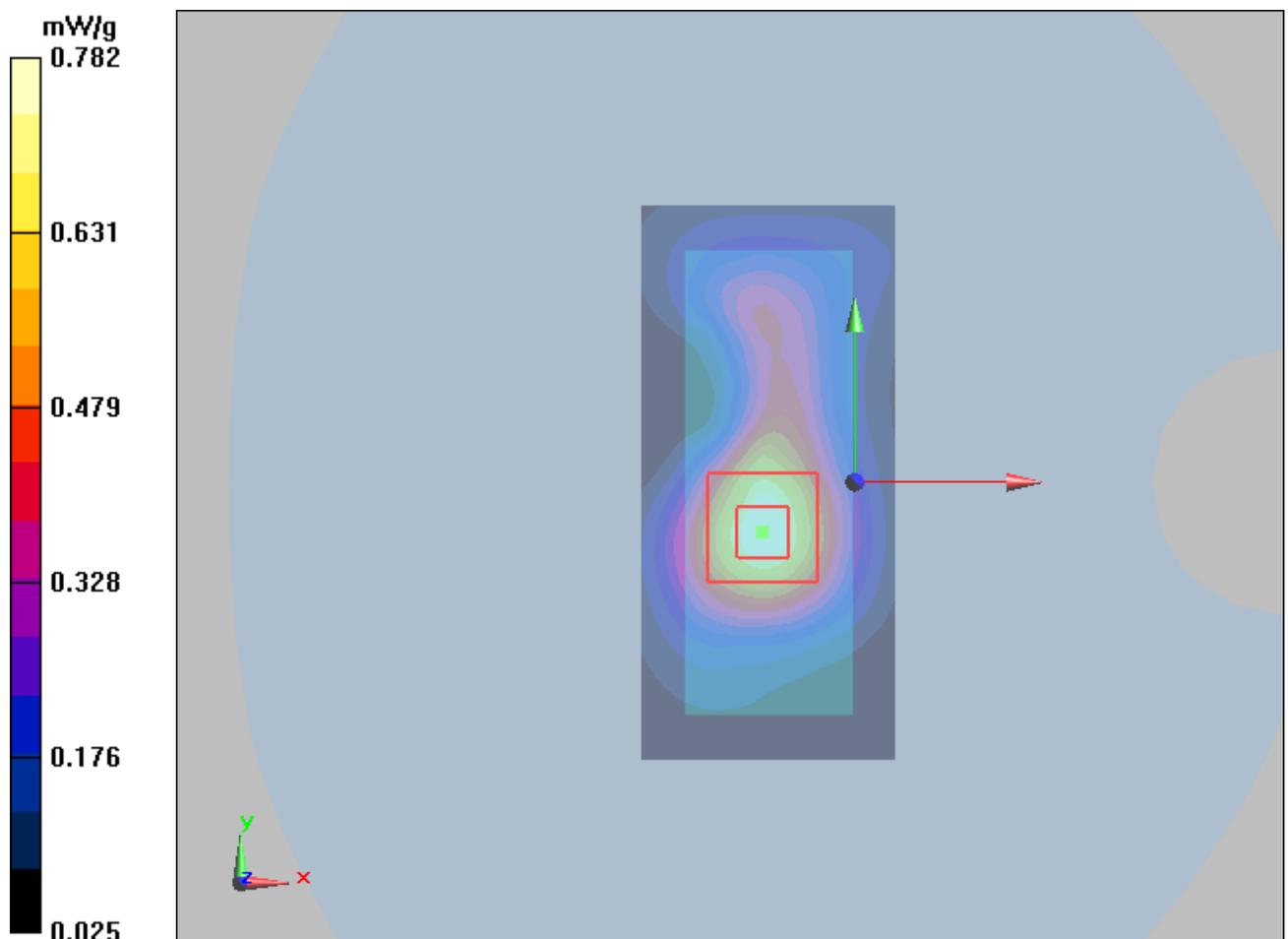Maximum value of SAR (measured) = 0.782 mW/g

Figure 66 LTE Band 7 100%RB with IBM T61 Test Position 1 Channel 21350

LTE Band 7 100%RB with IBM T61 Test Position 2 High (High end)

Date/Time: 2/21/2013 11:53:05 PM

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 2.1 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 2 High(High end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.747 mW/g

Test Position 2 High(High end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.663 mW/g; SAR(10 g) = 0.347 mW/g
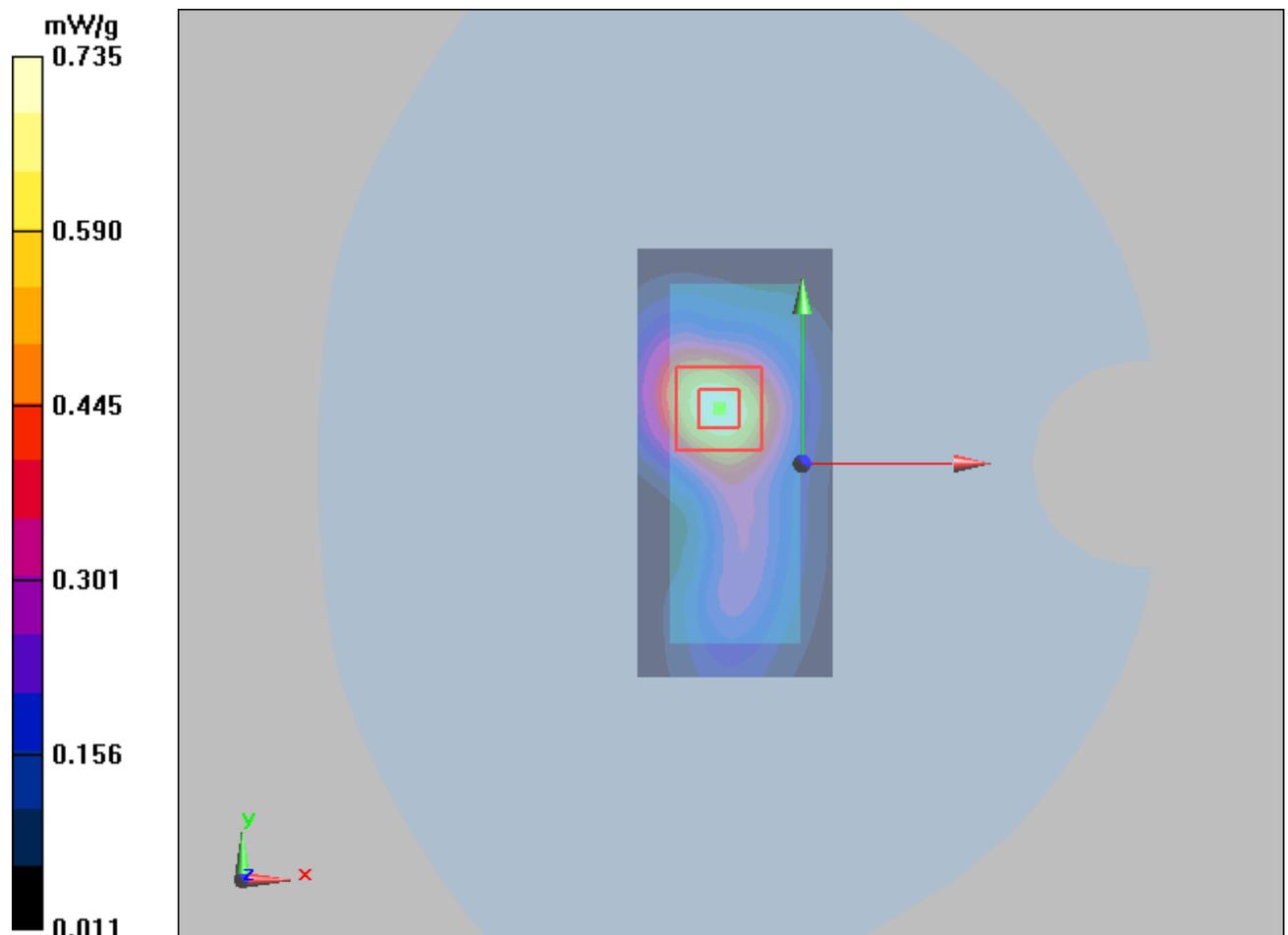
Maximum value of SAR (measured) = 0.735 mW/g

Figure 67 LTE Band 7 100%RB with IBM T61 Test Position 2 Channel 21350

LTE Band 7 100%RB with IBM T61 Test Position 3 High(High end)

Date/Time: 2/21/2013 10:11:25 AM

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 2.1 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 3 High(High end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.460 mW/g

Test Position 3 High(High end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.727 W/kg

SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.201 mW/g

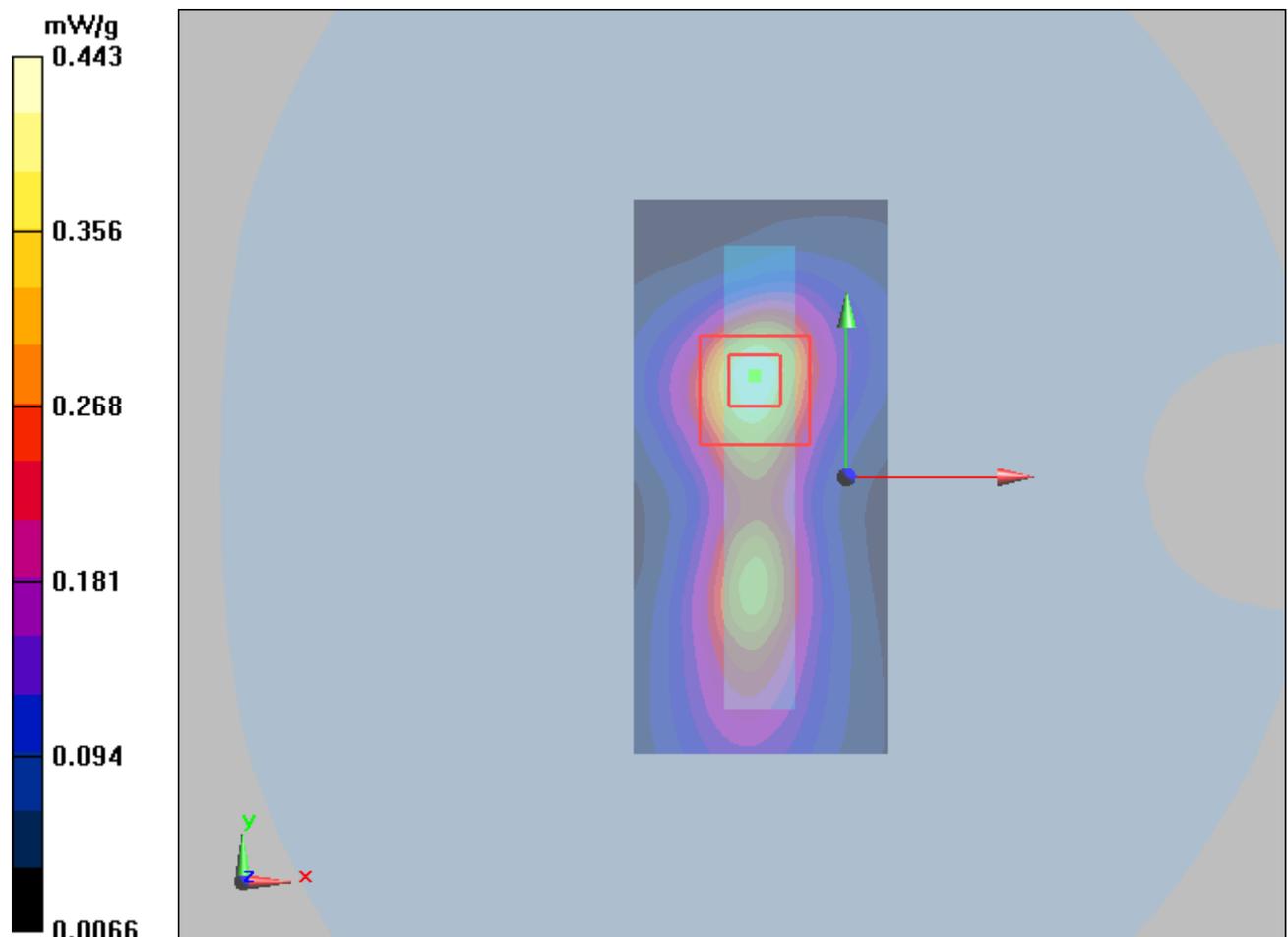Maximum value of SAR (measured) = 0.443 mW/g

Figure 68 LTE Band 7 100%RB with IBM T61 Test Position 3 Channel 21350

LTE Band 7 100%RB with IBM T61 Test Position 4 High(High end)

Date/Time: 2/21/2013 10:40:11 PM

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 2.1 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃   Liquid Temperature: 21.5℃

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3617; ConvF(7.27, 7.27, 7.27); Calibrated: 5/16/2012

Electronics: DAE4 Sn905; Calibrated: 6/21/2012

Sensor-Surface: 4mm (Mechanical Surface Detection)

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

Test Position 4 High(High end)/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.161 mW/g

Test Position 4 High(High end)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.96 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.075 mW/g
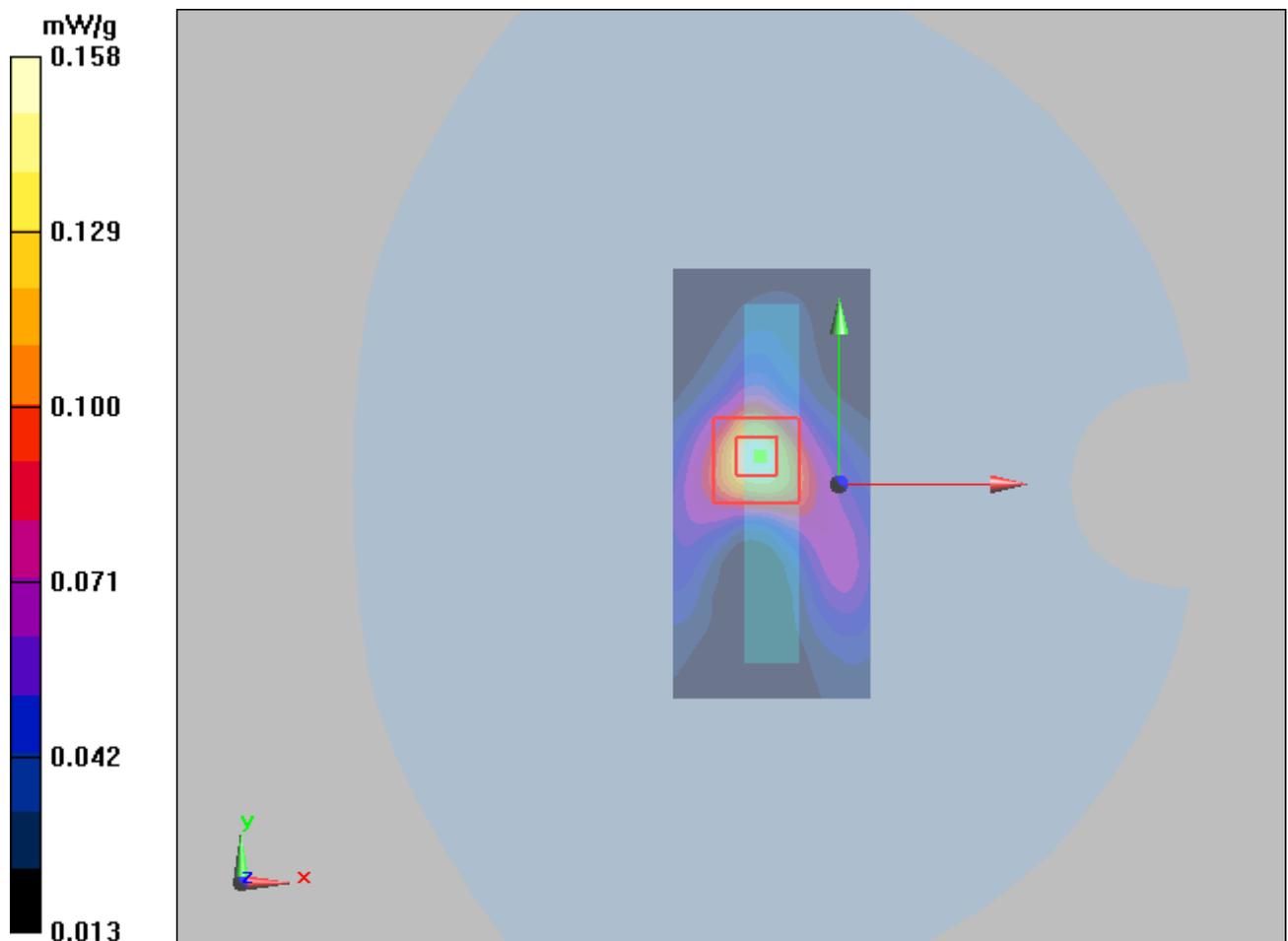
Maximum value of SAR (measured) = 0.158 mW/g

Figure 69 LTE Band 7 100%RB with IBM T61 Test Position 4 Channel 21350