

Test Laboratory: Compliance Certification Services Inc.

80211b NB Bottom Flat - LU47 Broadcom

DUT: BCM 943225HMB; Type: Notebook; Serial: n/a

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

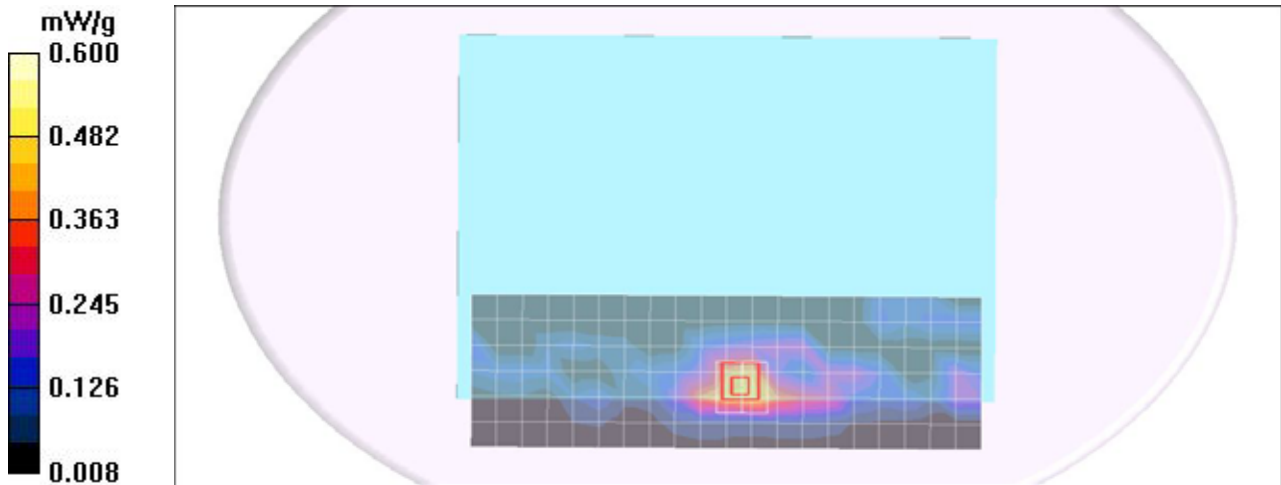
- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

NB Bottom Middle CH6/Area Scan (7x21x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.476 mW/g

NB Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.727 W/kg
SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.179 mW/g
Maximum value of SAR (measured) = 0.488 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211g NB Bottom Flat - LU47 Broadcom

DUT: BCM 943225HMB; Type: Notebook; Serial: n/a

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

NB Bottom Middle CH6/Area Scan (7x12x1):

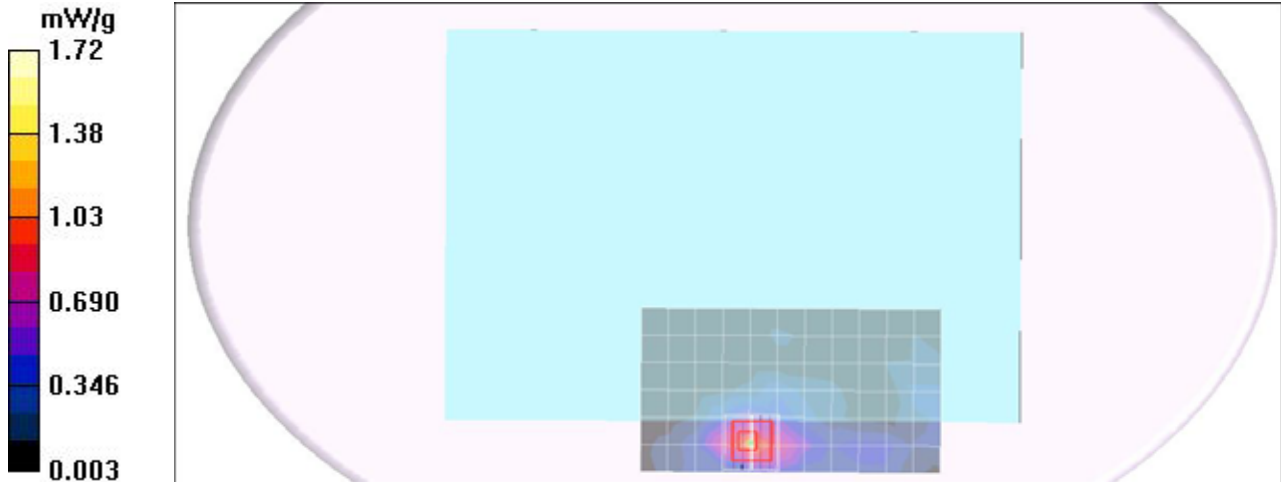
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.15 mW/g

NB Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.385 mW/g
Maximum value of SAR (measured) = 1.13 mW/g

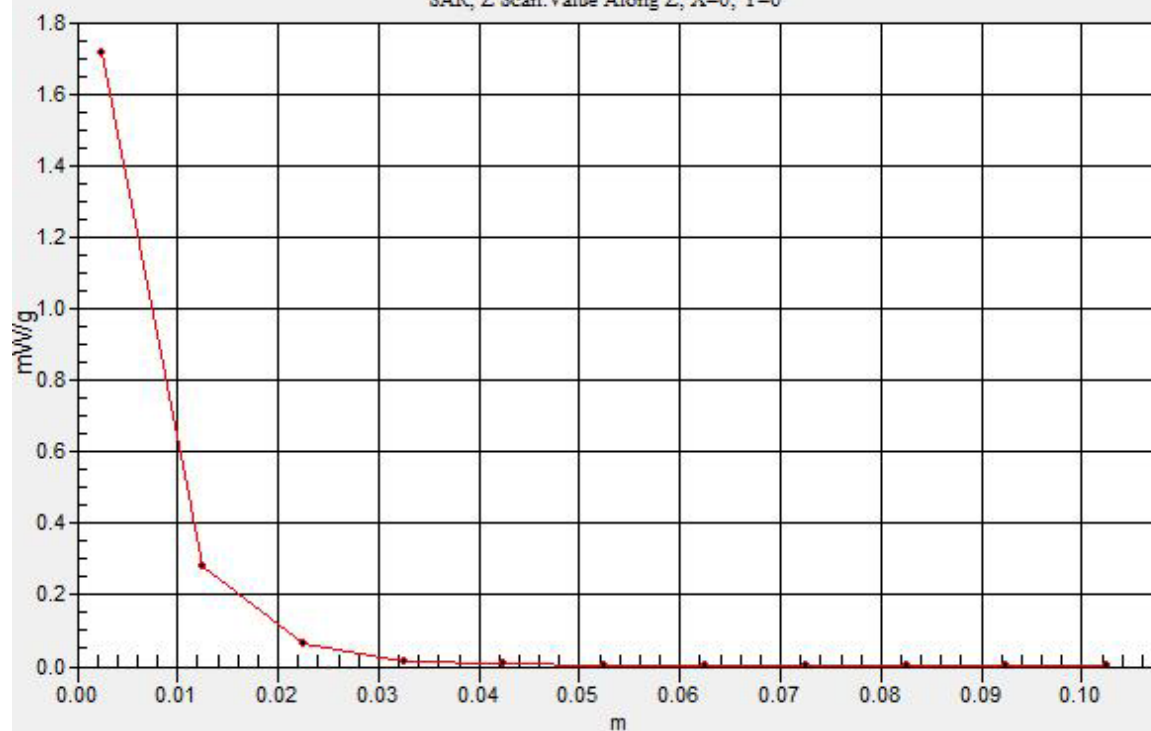
NB Bottom Middle CH6/Z Scan (1x1x11):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.72 mW/g



SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



Test Laboratory: Compliance Certification Services Inc.

80211n HT20 NB Bottom Flat - LU47 Broadcom Main

DUT: BCM 943225HMB; Type: Notebook; Serial: n/a

Communication System: IEEE 802.11n HT20 WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

NB Bottom Middle CH6/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.289 mW/g

NB Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.357 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 0.437 W/kg
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.396 mW/g

NB Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.357 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 0.581 W/kg
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.113 mW/g
Maximum value of SAR (measured) = 0.326 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211n HT20 NB Bottom Flat - LU47 Broadcom Aux

DUT: BCM 943225HMB; Type: Notebook; Serial: n/a

Communication System: IEEE 802.11n HT20 WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

NB Bottom Middle CH6/Area Scan (7x12x1):

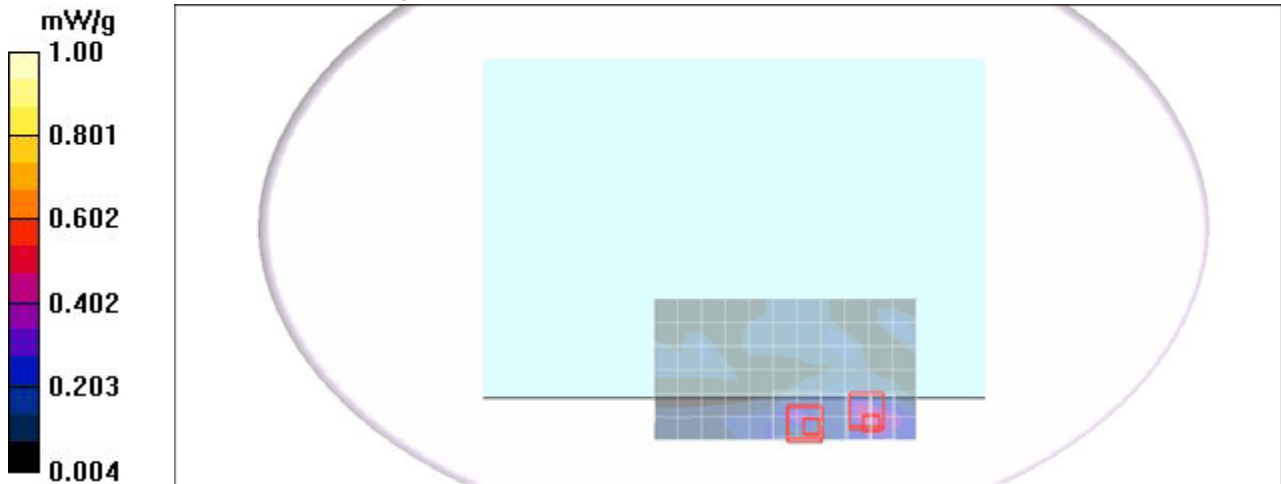
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.506 mW/g

NB Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.96 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.409 mW/g

NB Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.96 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.728 W/kg
SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.132 mW/g
Maximum value of SAR (measured) = 0.392 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211n HT40 NB Bottom Flat - LU47 Broadcom Main

DUT: LU47; Type: Notebook; Serial: n/a

Communication System: IEEE 802.11n HT40 WLAN; Frequency: 2422 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2422$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

NB Bottom Low CH1/Area Scan (7x12x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.221 mW/g

NB Bottom Low CH1/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.30 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 0.290 W/kg

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.298 mW/g

NB Bottom Low CH1/Zoom Scan (7x7x9)/Cube :

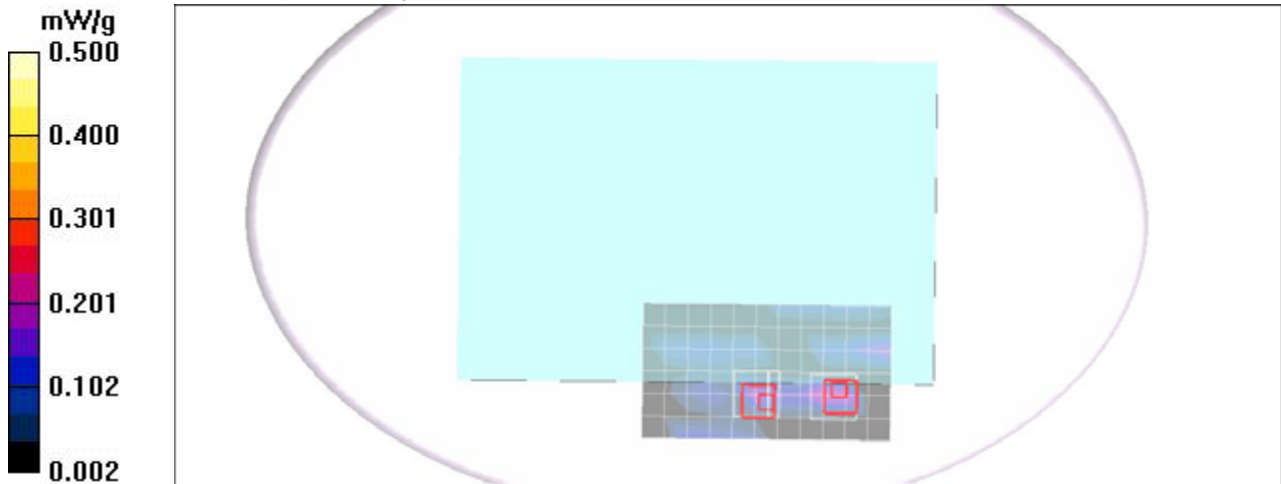
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.30 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.255 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211n HT40 NB Bottom Flat - LU47 Broadcom Aux

DUT: LU47; Type: Notebook; Serial: n/a

Communication System: IEEE 802.11n HT40 WLAN; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

NB Bottom Middle CH7/Area Scan (7x12x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.241 mW/g

NB Bottom Middle CH7/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.77 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.170 mW/g

NB Bottom Middle CH7/Zoom Scan (7x7x9)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.77 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.165 mW/g

