

Test Laboratory: Compliance Certification Services

## Primary Portrait

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1.03

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**HT20 mode Primary Portrait Main - M ch/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.072 mW/g

**HT20 mode Primary Portrait Main - M ch/Zoom Scan 2 (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.07 V/m; Power Drift = -0.229 dB

Peak SAR (extrapolated) = 0.168 W/kg

**SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.026 mW/g**

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

Maximum value of SAR (measured) = 0.078 mW/g

**HT20 mode Primary Portrait Main - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

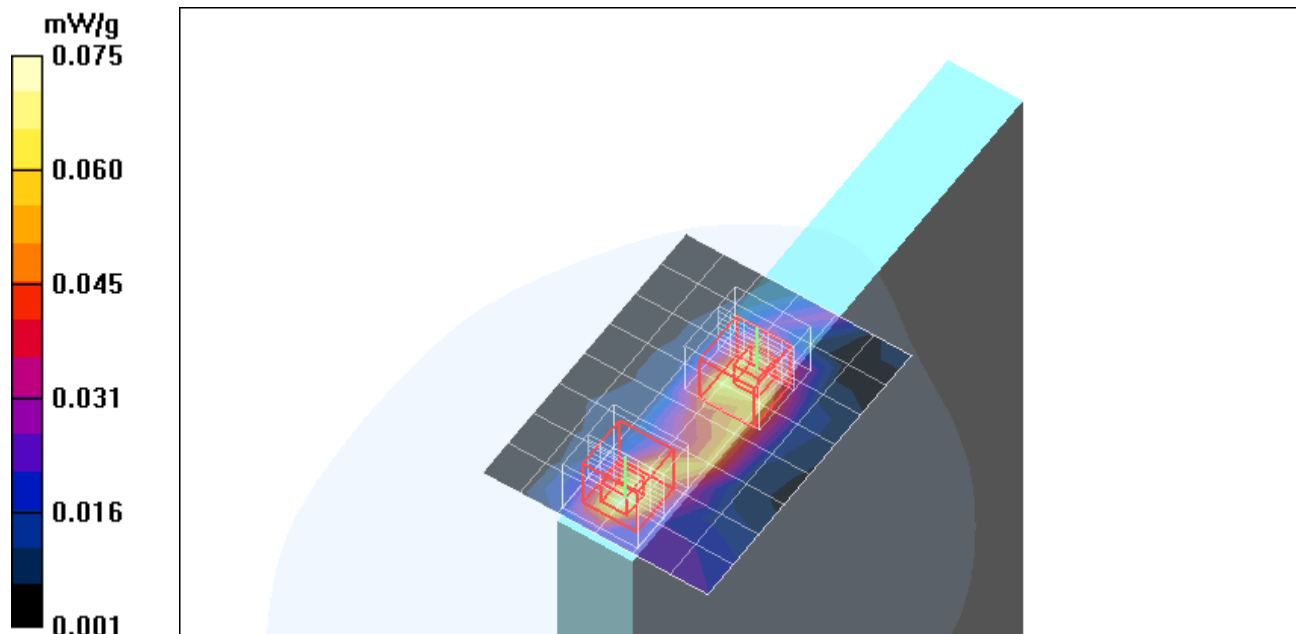
Reference Value = 3.07 V/m; Power Drift = -0.229 dB

Peak SAR (extrapolated) = 0.103 W/kg

**SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.029 mW/g**

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

Maximum value of SAR (measured) = 0.075 mW/g



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## Primary Portrait

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.37$  mho/m;  $\epsilon_r = 46.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(3.77, 3.77, 3.77); Calibrated: 4/24/2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**802.11a mode Main ant - M ch/Area Scan (12x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.031 mW/g

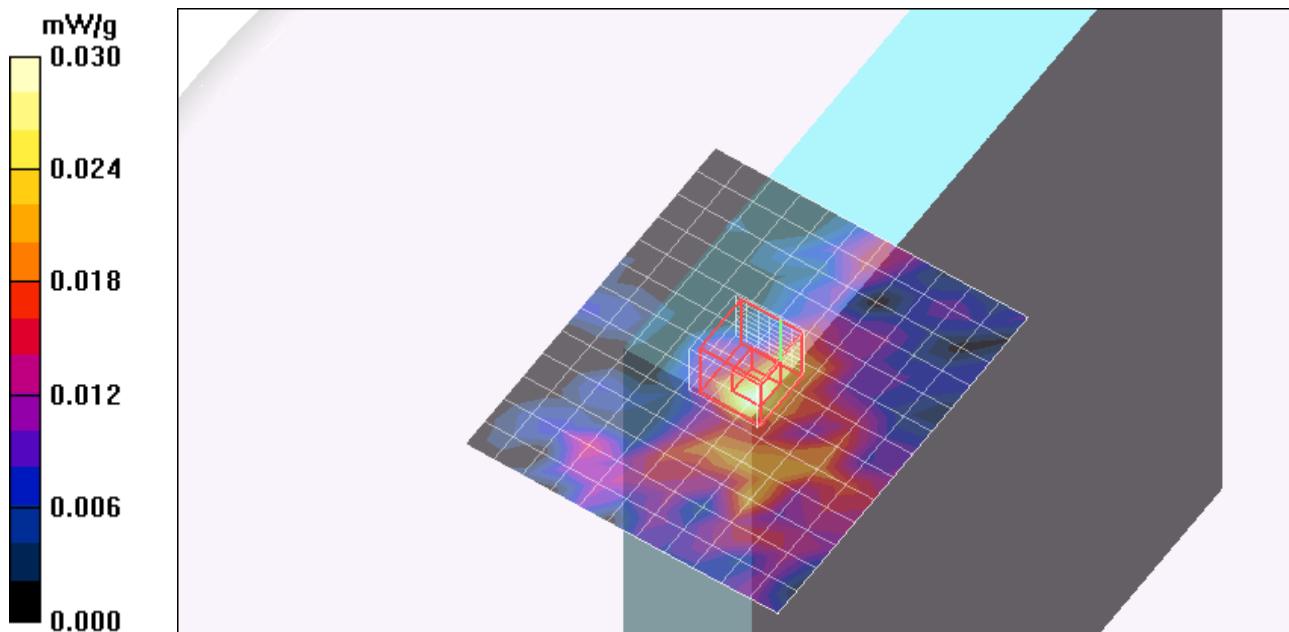
**802.11a mode Main ant - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.77 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.063 W/kg

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00539 mW/g**

Maximum value of SAR (measured) = 0.030 mW/g



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## Primary Portrait

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.51$  mho/m;  $\epsilon_r = 46.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(3.68, 3.68, 3.68); Calibrated: 4/24/2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**802.11a mode Main ant - M ch/Area Scan (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.102 mW/g

**802.11a mode Main ant - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.86 V/m; Power Drift = -0.487 dB

Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.076 mW/g

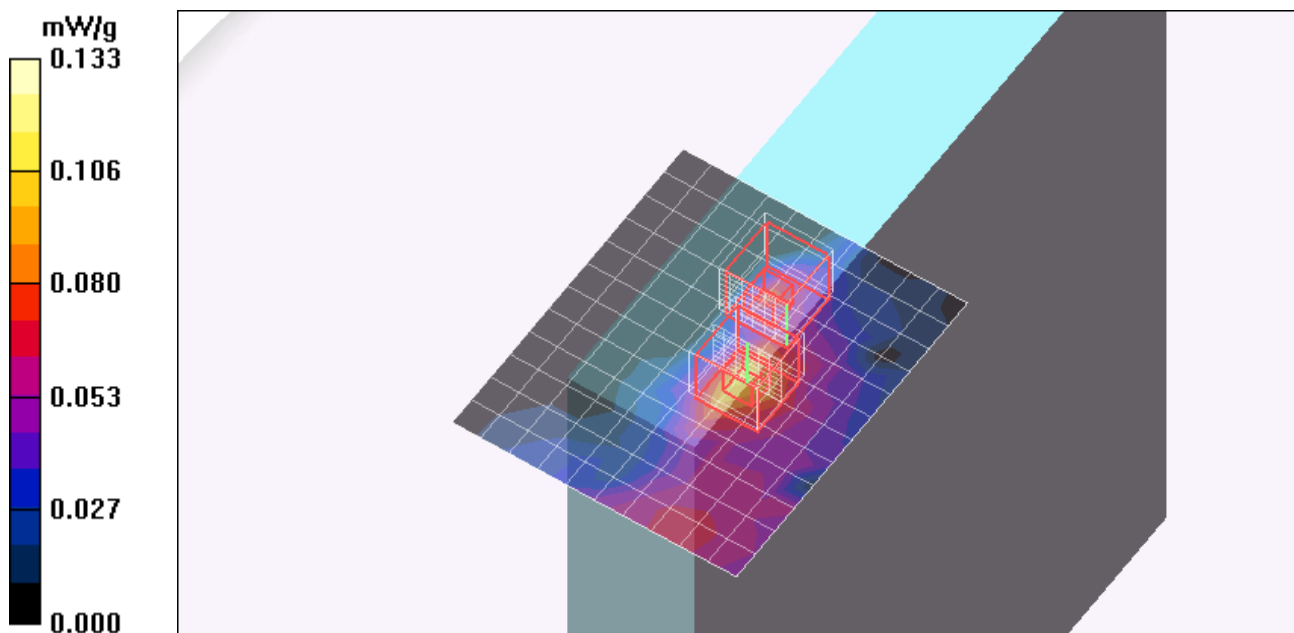
**802.11a mode Main ant - M ch/Zoom Scan 2 (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.86 V/m; Power Drift = -0.487 dB

Peak SAR (extrapolated) = 0.246 W/kg

**SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.024 mW/g**

Maximum value of SAR (measured) = 0.133 mW/g



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## Primary Portrait

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1.1

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.91$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(3.8, 3.8, 3.8); Calibrated: 4/24/2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

### 802.11a Legacy Mode Main ant - M ch/Area Scan (10x17x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.129 mW/g

### 802.11a Legacy Mode Main ant - M ch/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.86 V/m; Power Drift = 0.061 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.149 mW/g

### 802.11a Legacy Mode Main ant - M ch/Zoom Scan (7x7x9)/Cube 1:

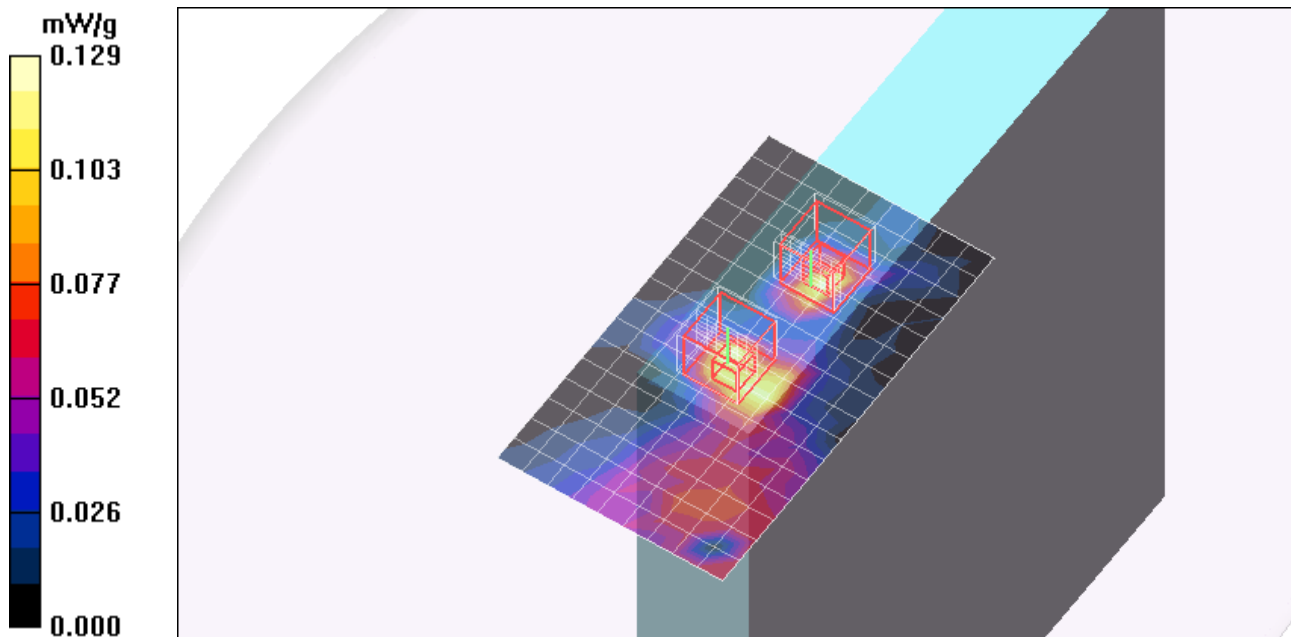
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.86 V/m; Power Drift = 0.061 dB

Peak SAR (extrapolated) = 0.229 W/kg

**SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.138 mW/g



Test Laboratory: Compliance Certification Services

## Primary Portrait

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11a; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5795$  MHz;  $\sigma = 6.24$  mho/m;  $\epsilon_r = 46.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(3.83, 3.83, 3.83); Calibrated: 4/24/2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**802.1a Main - M ch/Area Scan (10x17x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.174 mW/g

**802.1a Main - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.98 V/m; Power Drift = 1.24 dB

Peak SAR (extrapolated) = 0.449 W/kg

**SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.028 mW/g**

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

Maximum value of SAR (measured) = 0.181 mW/g

**802.1a Main - M ch/Zoom Scan 2 (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

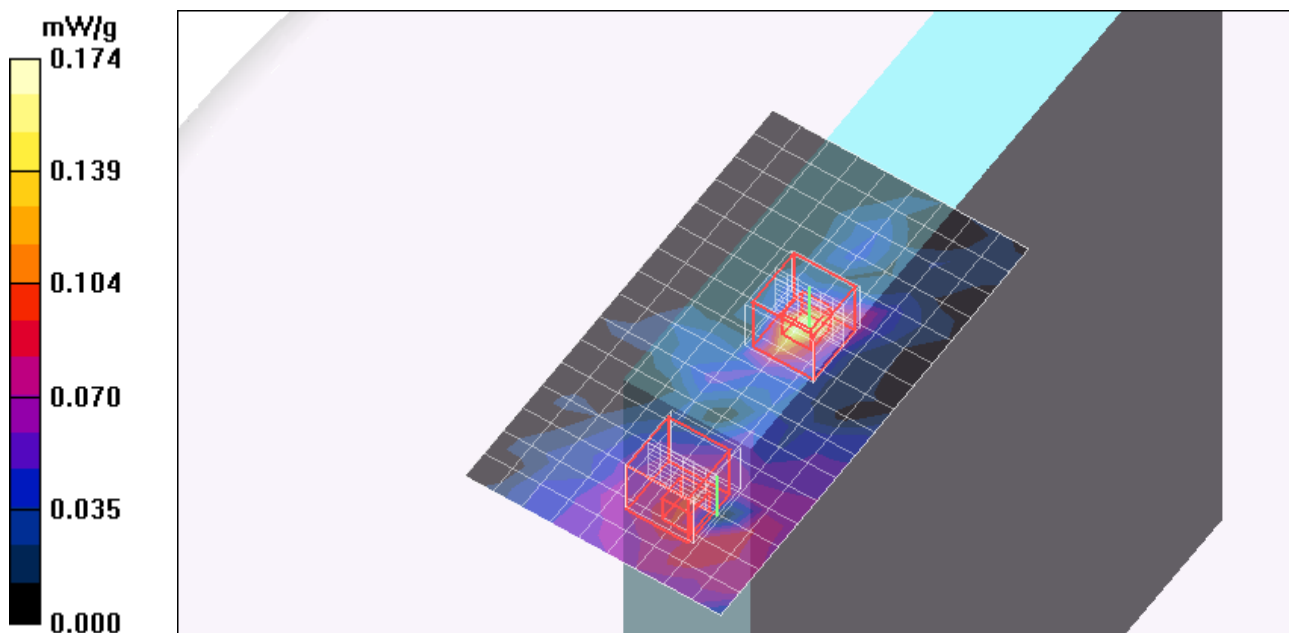
Reference Value = 1.98 V/m; Power Drift = 1.24 dB

Peak SAR (extrapolated) = 0.294 W/kg

**SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.015 mW/g**

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

Maximum value of SAR (measured) = 0.093 mW/g



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## Lapheld

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1.03

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**B mode Lapheld Main - M ch/Area Scan (9x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.028 mW/g

**B mode Lapheld Main - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

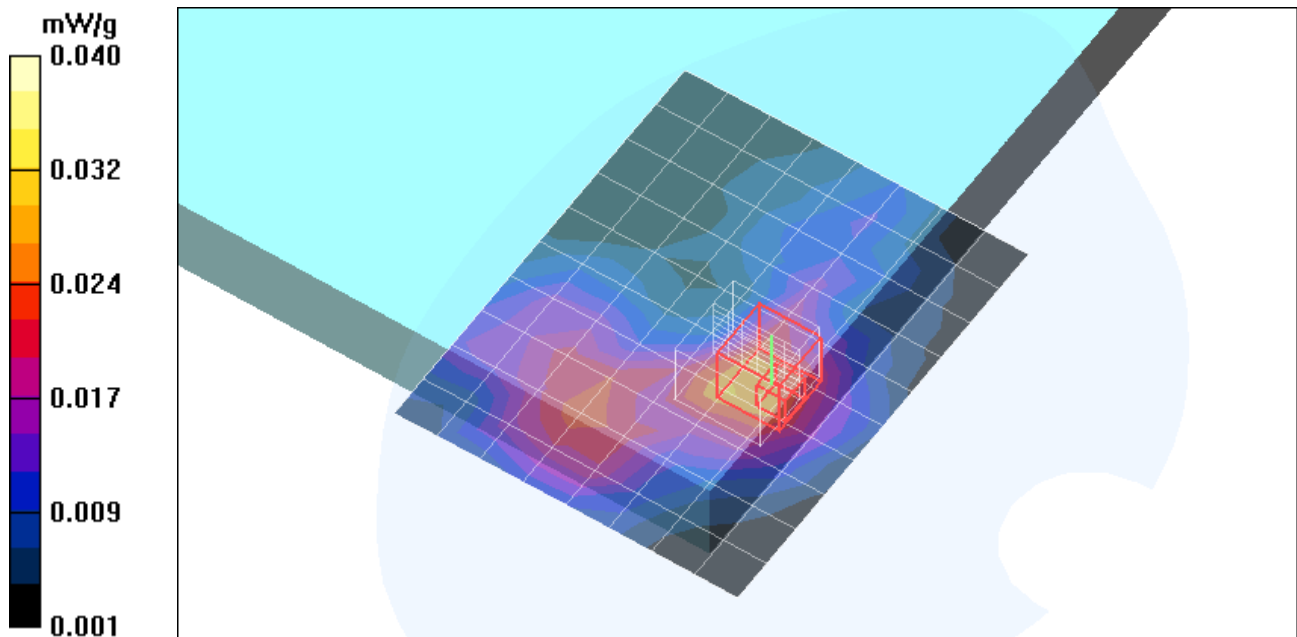
Reference Value = 3.26 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 0.080 W/kg

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00301 mW/g**

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

Maximum value of SAR (measured) = 0.030 mW/g



Test Laboratory: Compliance Certification Services

## Lapheld

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.37$  mho/m;  $\epsilon_r = 46.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(3.77, 3.77, 3.77); Calibrated: 4/24/2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**802.11a Legacy Mode Main - M ch/Area Scan (9x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.051 mW/g

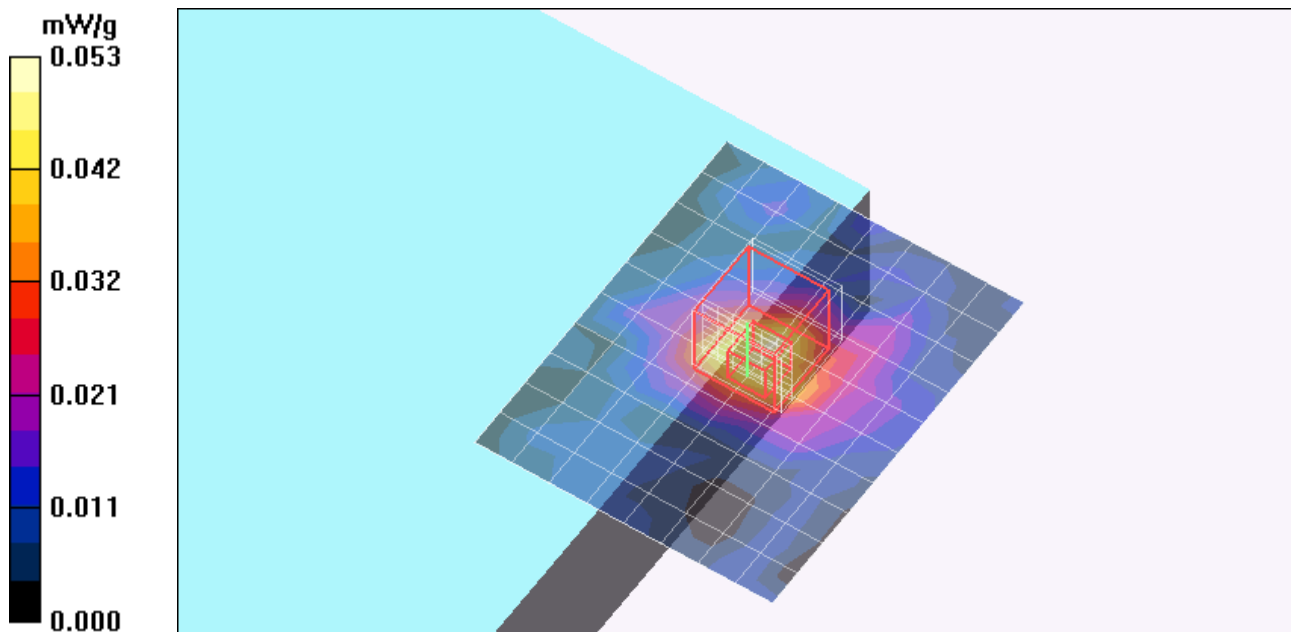
**802.11a Legacy Mode Main - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.749 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.053 mW/g



Test Laboratory: Compliance Certification Services

# Lapheld

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.51 \text{ mho/m}$ ;  $\epsilon_r = 46.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

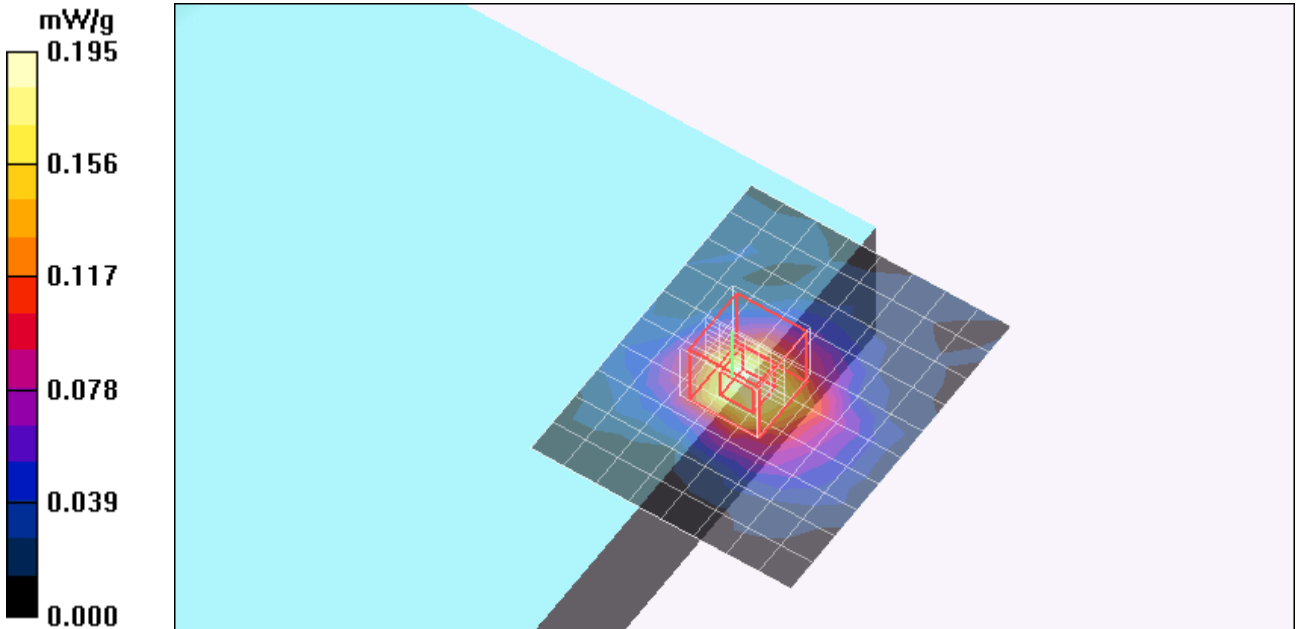
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

### DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(3.68, 3.68, 3.68); Calibrated: 4/24/2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**802.11a Legacy Mode Main - M ch/Area Scan (9x11x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.190 mW/g

**802.11a Legacy Mode Main - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 1.22 V/m; Power Drift = 1.78 dB  
Peak SAR (extrapolated) = 0.528 W/kg  
**SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.049 mW/g**  
Maximum value of SAR (measured) = 0.195 mW/g





Test Laboratory: Compliance Certification Services

## Lapheld

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1.1

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.91$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(3.8, 3.8, 3.8); Calibrated: 4/24/2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**802.11n HT20 Mode - M ch/Area Scan (16x36x1):** Measurement grid: dx=10mm, dy=10mm

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

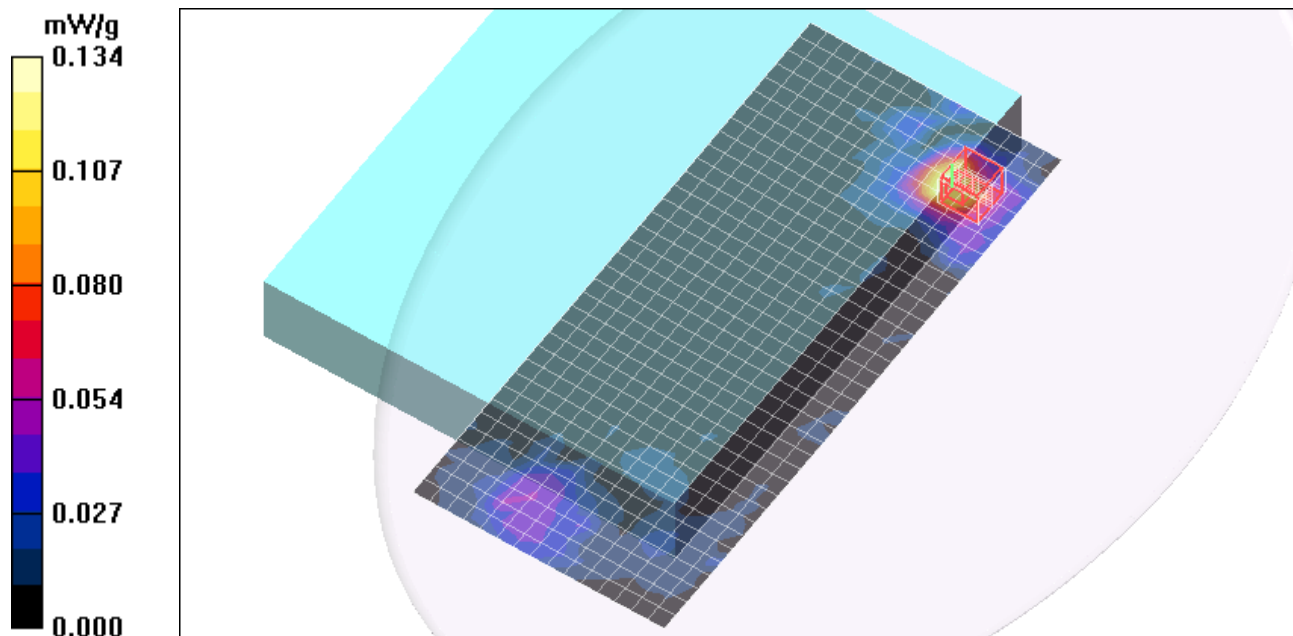
**802.11n HT20 Mode - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.08 V/m; Power Drift = 0.349 dB

Peak SAR (extrapolated) = 0.260 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.146 mW/g



Test Laboratory: Compliance Certification Services

## Lapheld

DUT: Broadcom Soyuz tablet; Type: 802.11abgn; Serial: N/A

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.22$  mho/m;  $\epsilon_r = 46.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(3.83, 3.83, 3.83); Calibrated: 4/24/2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**802.11a HT20 Mode - M ch/Area Scan (15x36x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.159 mW/g

**802.11a HT20 Mode - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.786 V/m; Power Drift = 0.640 dB

Peak SAR (extrapolated) = 0.486 W/kg

**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.023 mW/g**

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

Maximum value of SAR (measured) = 0.166 mW/g

**802.11a HT20 Mode - M ch/Zoom Scan 2 (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.786 V/m; Power Drift = 0.640 dB

Peak SAR (extrapolated) = 0.287 W/kg

**SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.024 mW/g**

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

