

Test Laboratory: Compliance Certification Services Inc.

## 80211b Bottom Flat - z580 - BCM94313HMGB FCC

**DUT: z580; 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;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C  
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012 W/kg

### DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- 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

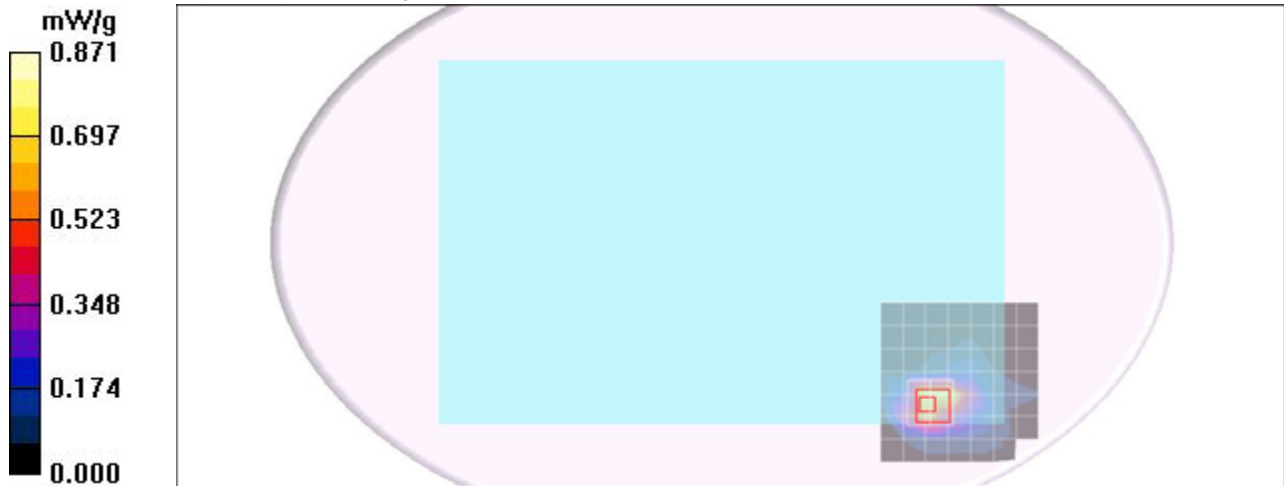
**Bottom Middle CH6/Area Scan (8x8x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.736 mW/g

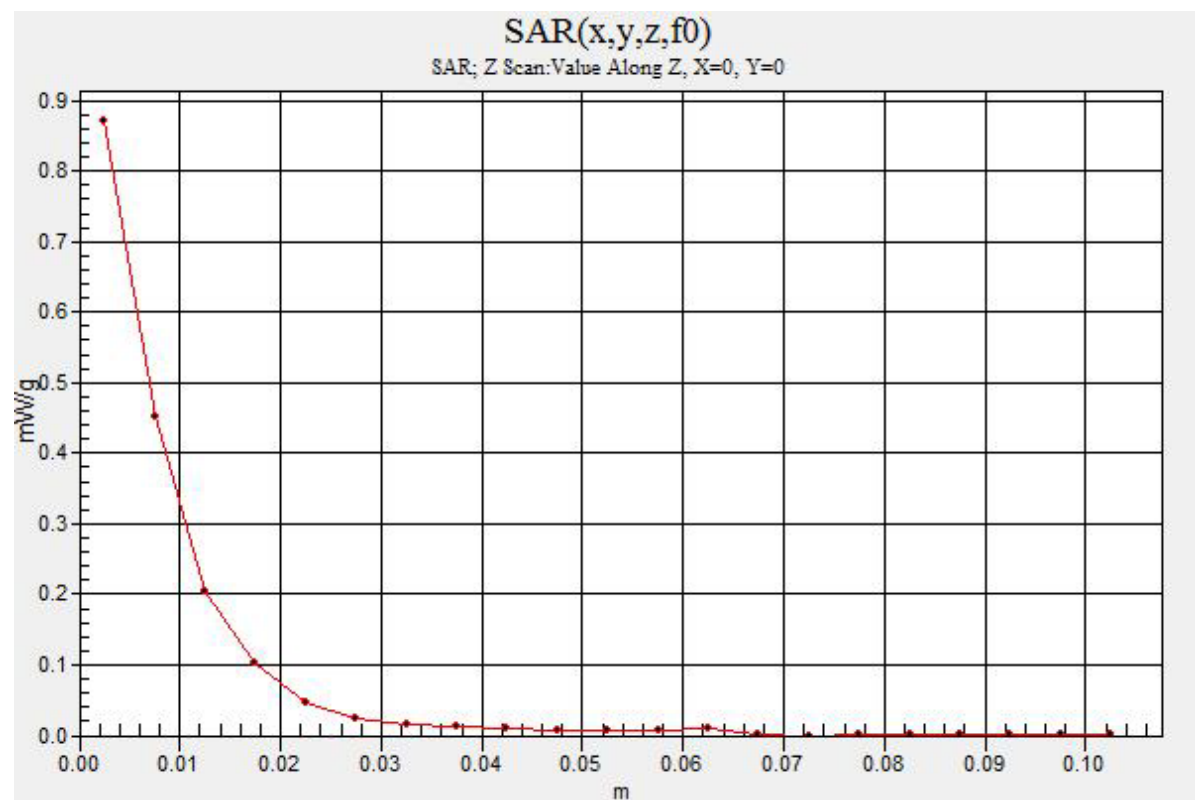
### Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm  
Reference Value = 1.41 V/m; Power Drift = -0.084 dB  
Peak SAR (extrapolated) = 1.32 W/kg  
**SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.289 mW/g**  
Maximum value of SAR (measured) = 0.884 mW/g

### Bottom Middle CH6/Z Scan (1x1x21):

Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 0.871 mW/g





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## 80211g Bottom Flat - z580 - BCM94313HMGB FCC

**DUT: z580; Type: Notebook; Serial: n/a**

Communication System: IEEE 802.11g WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 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(6.18, 6.18, 6.18);
- 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

### Bottom Low CH1/Area Scan (8x8x1):

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

Maximum value of SAR (measured) = 0.201 mW/g

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

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

Reference Value = 1.38 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.852 W/kg

**SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.304 mW/g



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**DUT: z580; Type: Notebook; Serial: n/a**

Communication System: IEEE 802.11g WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

### DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### Bottom Low CH1 aux/Area Scan (8x26x1):

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

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

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

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

Reference Value = 1.59 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.995 W/kg

**SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.219 mW/g**

Maximum value of SAR (measured) = 0.411 mW/g

### Bottom Low CH1 aux/Z Scan (1x1x21):

Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm

Maximum value of SAR (measured) = 0.635 mW/g

