

Test Laboratory: BTL Inc.

Date: 2016/8/18

**T01\_802.11b\_CH6\_Front Face\_0.5cm**

**DUT: 1607C233;**

Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS, 1Mbps) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.937$  S/m;  $\epsilon_r = 51.681$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.52, 7.52, 7.52); Calibrated: 2016/2/19;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2015/9/18
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Area Scan (6x7x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.298 W/kg

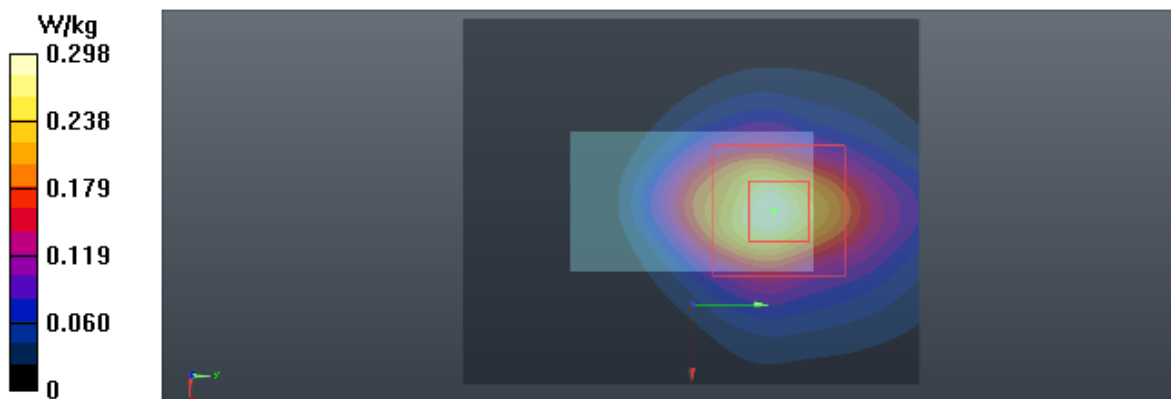
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.940 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.359 W/kg

**SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.083 W/kg**

Maximum value of SAR (measured) = 0.290 W/kg



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**T10\_802.11a\_CH48\_Front Face\_0.5cm**

**DUT: 1607C233;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.375$  S/m;  $\epsilon_r = 47.366$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.7 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.45, 4.45, 4.45); Calibrated: 2016/2/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2015/9/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Area Scan (7x9x1):** Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.252 W/kg

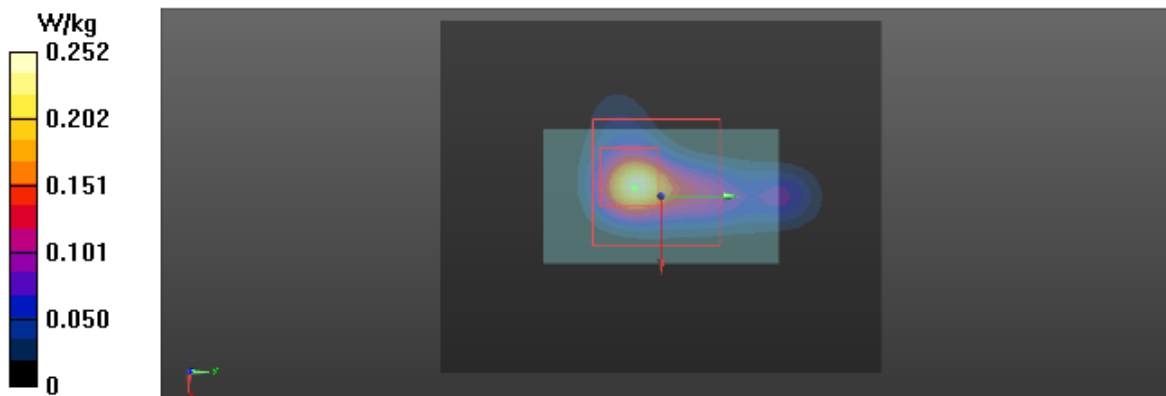
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.442 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.414 W/kg

**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.022 W/kg**

Maximum value of SAR (measured) = 0.180 W/kg



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**T20\_802.11a\_CH165\_Front Face\_0.5cm**

**DUT: 1607C233;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825$  MHz;  $\sigma = 6.191$  S/m;  $\epsilon_r = 46.161$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.7 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(3.88, 3.88, 3.88); Calibrated: 2016/2/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2015/9/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Area Scan (7x9x1):** Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.0453 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.768 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00303 W/kg**

Maximum value of SAR (measured) = 0.0611 W/kg

