

Test Laboratory: BTL Inc.

Date: 2017/12/21

**T40\_802.11b\_CH1\_Rear\_Face\_0cm\_Liteon\_RTL8822BE\_Ant\_A\_NDX\_Tablet**

**DUT: KEI;**

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

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.937 \text{ S/m}$ ;  $\epsilon_r = 51.681$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.4^\circ\text{C}$ ; Liquid Temperature:  $22.4^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(7.53, 7.53, 7.53); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (10x16x1):** Interpolated grid:  $dx=12 \text{ mm}$ ,  $dy=12 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.733 \text{ W/kg}$

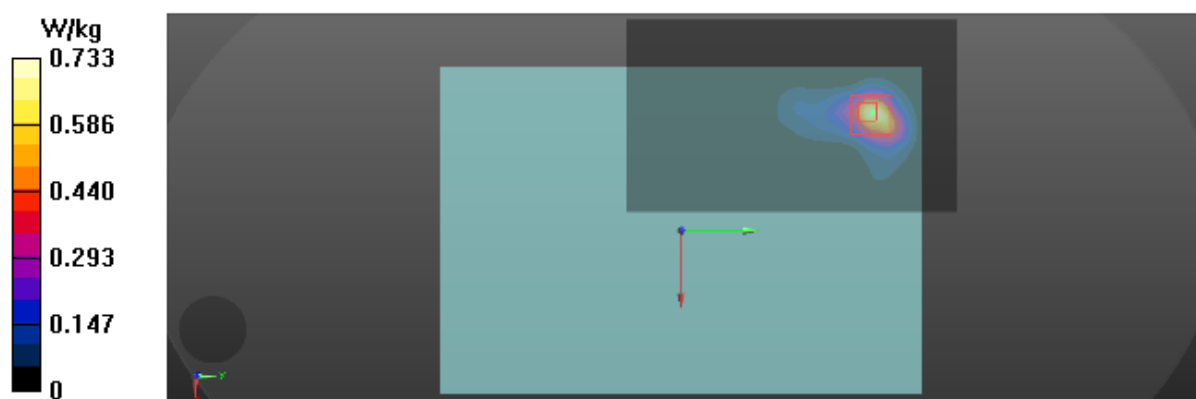
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $0 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$

Peak SAR (extrapolated) =  $1.15 \text{ W/kg}$

**SAR(1 g) =  $0.545 \text{ W/kg}$ ; SAR(10 g) =  $0.242 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.569 \text{ W/kg}$



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## T52\_802.11b\_CH6\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant A\_NDX\_Notebook

DUT: KEI;

Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS, 1Mbps) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.972$  S/m;  $\epsilon_r = 51.583$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(7.53, 7.53, 7.53); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (10x16x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.165 W/kg

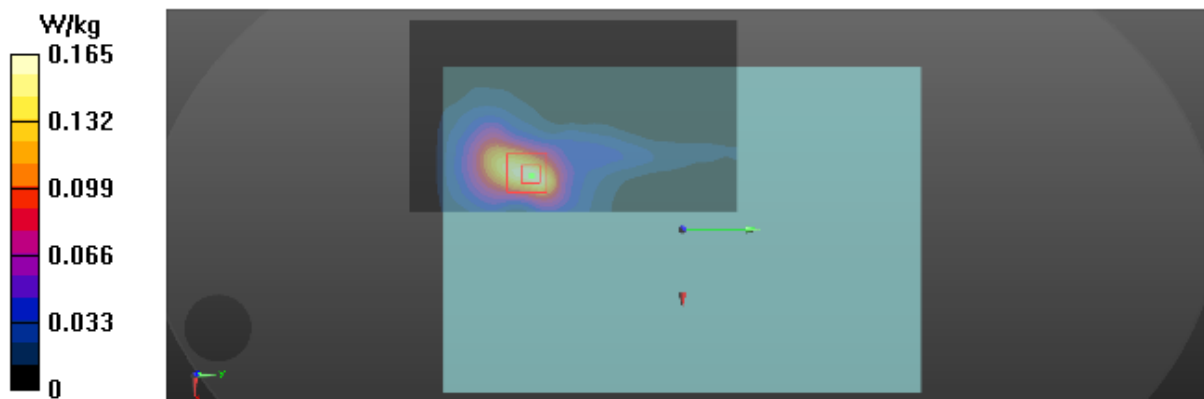
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.7040 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.334 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.077 W/kg**

Maximum value of SAR (measured) = 0.193 W/kg



Test Laboratory: BTL Inc.

Date: 2017/12/21

**T60\_802.11b\_CH6\_Rear Face\_0cm\_Liteon RTL8822BE\_Ant B\_NDX\_Tablet**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS, 1Mbps) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.972 \text{ S/m}$ ;  $\epsilon_r = 51.583$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.4 \text{ }^{\circ}\text{C}$ ; Liquid Temperature:  $22.4 \text{ }^{\circ}\text{C}$

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(7.53, 7.53, 7.53); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (10x16x1):** Interpolated grid:  $dx=12 \text{ mm}$ ,  $dy=12 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.25 \text{ W/kg}$

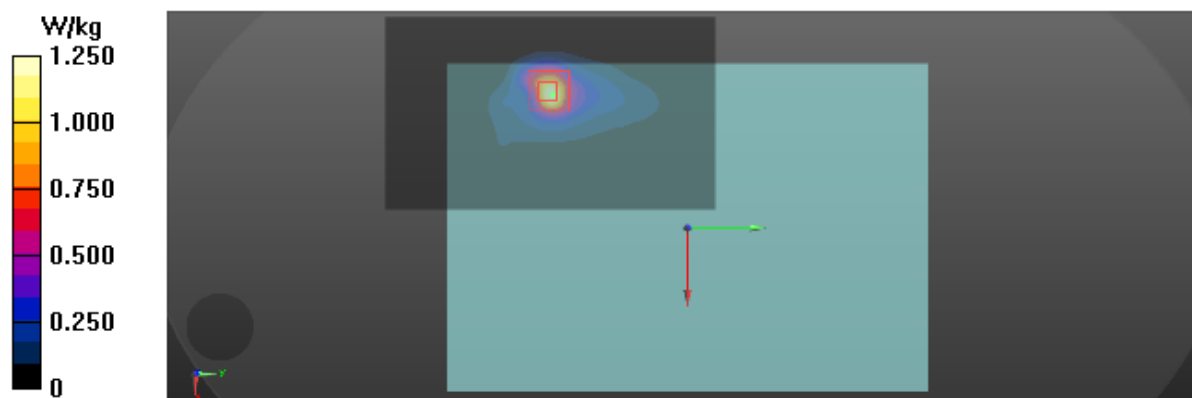
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $0 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$

Peak SAR (extrapolated) =  $2.64 \text{ W/kg}$

**SAR(1 g) =  $1.17 \text{ W/kg}$ ; SAR(10 g) =  $0.478 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.29 \text{ W/kg}$



Test Laboratory: BTL Inc.

Date: 2017/12/21

**T72\_802.11b\_CH1\_Rear Face\_2.5cm\_Liteon RTL8822BE\_Ant B\_NDX\_Notebook**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS, 1Mbps) (0); Frequency: 2437 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: 23.4 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(7.53, 7.53, 7.53); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (10x16x1):** Interpolated grid:  $dx=12$  mm,  $dy=12$  mm

Maximum value of SAR (interpolated) = 0.0109 W/kg

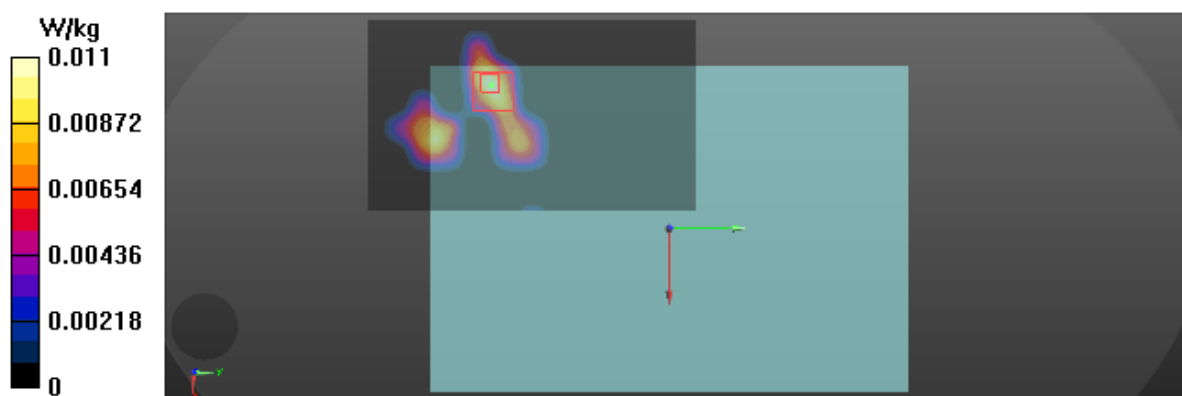
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0300 W/kg

**SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.004 W/kg**

Maximum value of SAR (measured) = 0.0107 W/kg



Test Laboratory: BTL Inc.

Date: 2017/12/18

**T125\_802.11a\_CH64\_Rear Face\_0cm\_Liteon RTL8822BE\_Ant A\_NDX\_Tablet**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.398$  S/m;  $\epsilon_r = 49.104$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (13x19x1):** Interpolated grid:  $dx=10$  mm,  $dy=10$  mm

Maximum value of SAR (interpolated) = 1.05 W/kg

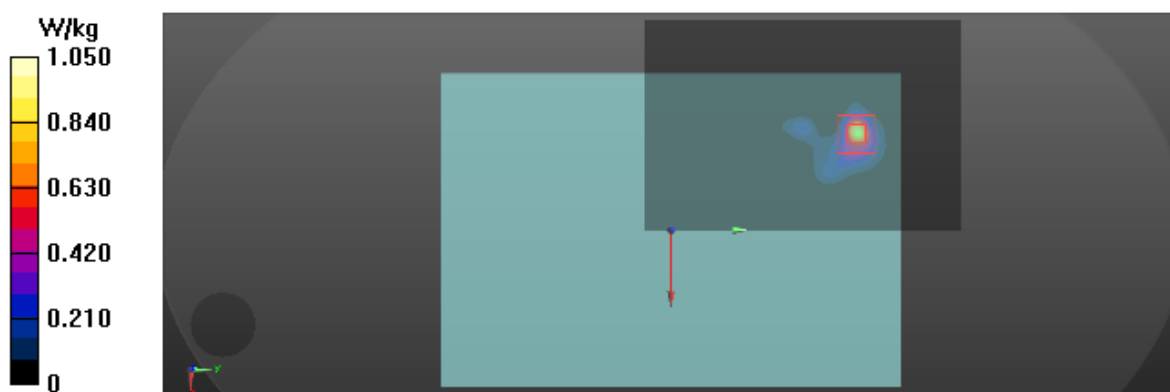
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.16 W/kg

**SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.140 W/kg**

Maximum value of SAR (measured) = 1.04 W/kg



Test Laboratory: BTL Inc.

Date: 2017/12/18

**T135\_802.11a\_CH64\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant A\_NDX\_Notebook**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.398 \text{ S/m}$ ;  $\epsilon_r = 49.104$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.3 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (13x19x1):** Interpolated grid:  $dx=10 \text{ mm}$ ,  $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.421 \text{ W/kg}$

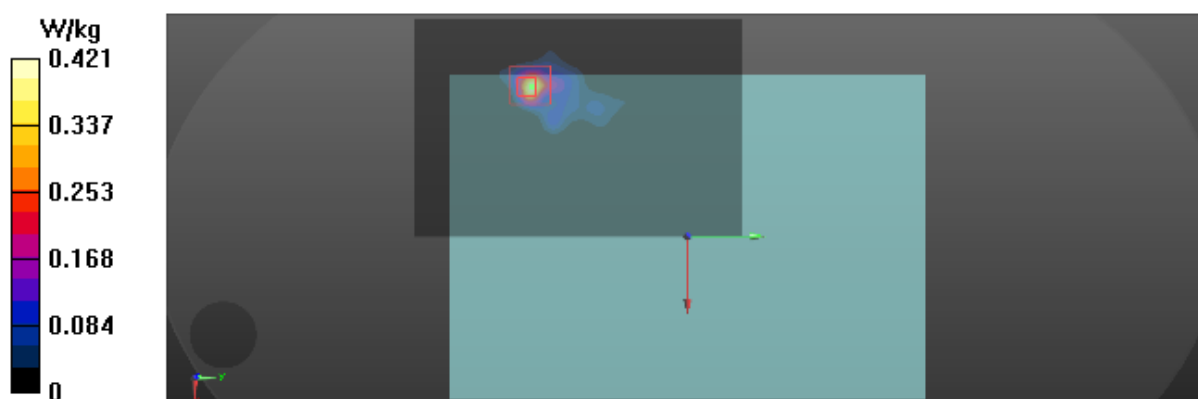
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value =  $0 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$

Peak SAR (extrapolated) =  $0.433 \text{ W/kg}$

**SAR(1 g) =  $0.134 \text{ W/kg}$ ; SAR(10 g) =  $0.040 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.283 \text{ W/kg}$



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T147\_802.11a\_CH60\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant B\_ATC\_Tablet

DUT: KEI;

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.374$  S/m;  $\epsilon_r = 49.216$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (9x19x1):** Interpolated grid:  $dx=10$  mm,  $dy=10$  mm

Maximum value of SAR (interpolated) = 1.51 W/kg

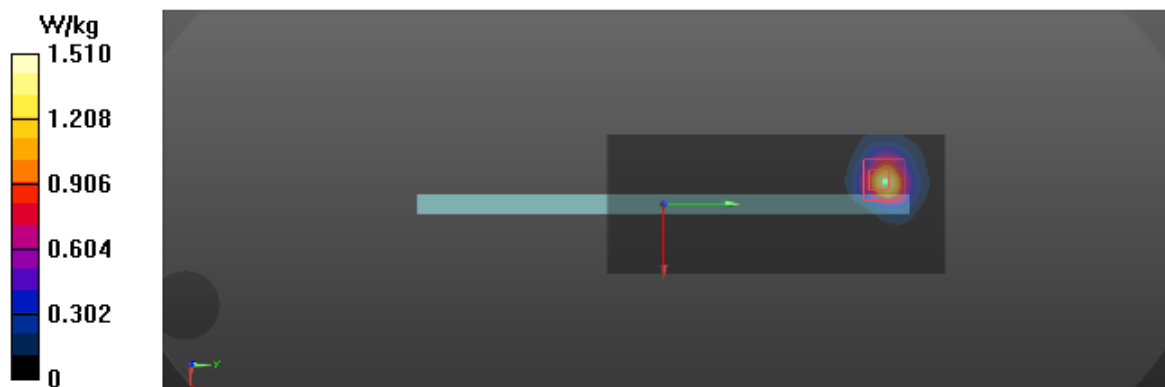
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.35 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.302 W/kg**

Maximum value of SAR (measured) = 1.78 W/kg



Test Laboratory: BTL Inc.

Date: 2017/12/18

T157\_802.11a\_CH60\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant B\_ATC\_Notebook

DUT: KEI;

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.373$  S/m;  $\epsilon_r = 49.216$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (13x19x1):** Interpolated grid:  $dx=10$  mm,  $dy=10$  mm

Maximum value of SAR (interpolated) = 0.492 W/kg

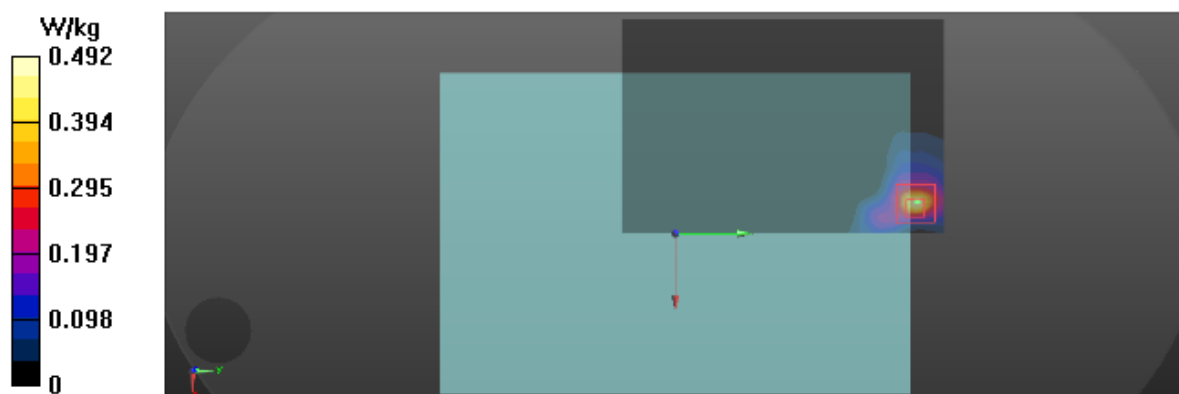
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.855 W/kg

**SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.405 W/kg





Test Laboratory: BTL Inc.

Date: 2017/12/19

**T207\_802.11a\_CH100\_Rear Face\_0cm\_Liteon RTL8822BE\_Ant A\_NDX\_Tablet**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.685$  S/m;  $\epsilon_r = 48.893$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.6 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.19, 4.19, 4.19); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (13x19x1):** Interpolated grid:  $dx=10$  mm,  $dy=10$  mm

Maximum value of SAR (interpolated) = 0.572 W/kg

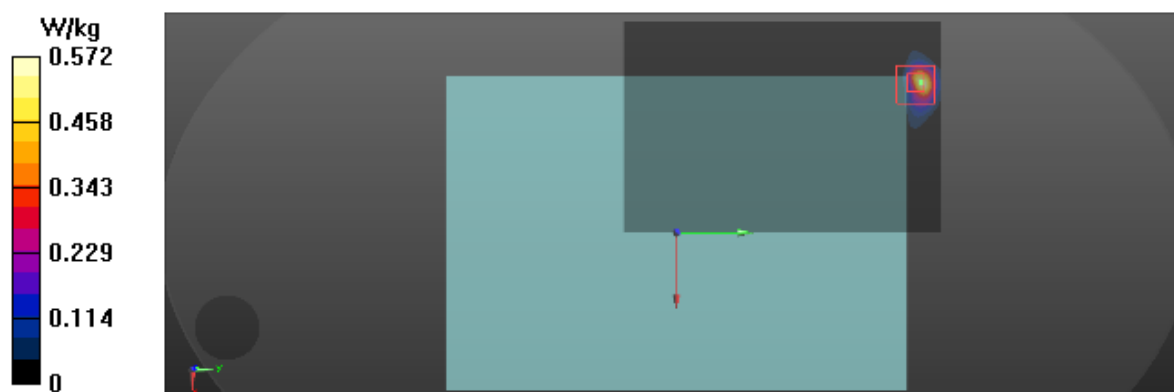
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.769 W/kg

**SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.061 W/kg**

Maximum value of SAR (measured) = 0.440 W/kg



Test Laboratory: BTL Inc.

Date: 2017/12/19

T211\_802.11a\_CH116\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant A\_NDX\_Notebook

DUT: KEI;

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.798$  S/m;  $\epsilon_r = 48.575$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.6 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(4.19, 4.19, 4.19); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (13x16x1):** Interpolated grid:  $dx=10$  mm,  $dy=10$  mm

Maximum value of SAR (interpolated) = 0.0543 W/kg

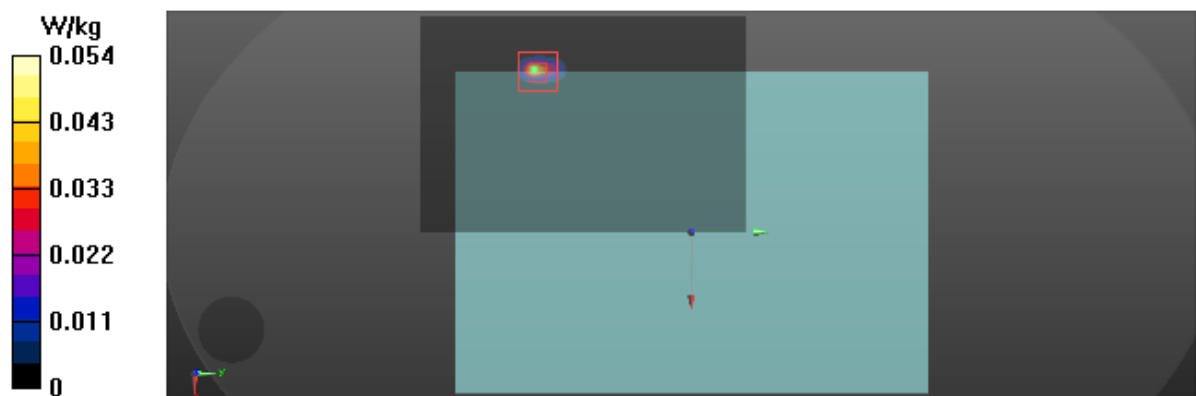
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.508 W/kg

**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.00464 W/kg**

Maximum value of SAR (measured) = 0.312 W/kg



Test Laboratory: BTL Inc.

Date: 2017/12/19

**T226\_802.11a\_CH144\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant B\_NDX\_Tablet**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 6.01 \text{ S/m}$ ;  $\epsilon_r = 48.473$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.6 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.6 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.52, 4.52, 4.52); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (9x19x1):** Interpolated grid:  $dx=10 \text{ mm}$ ,  $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.45 \text{ W/kg}$

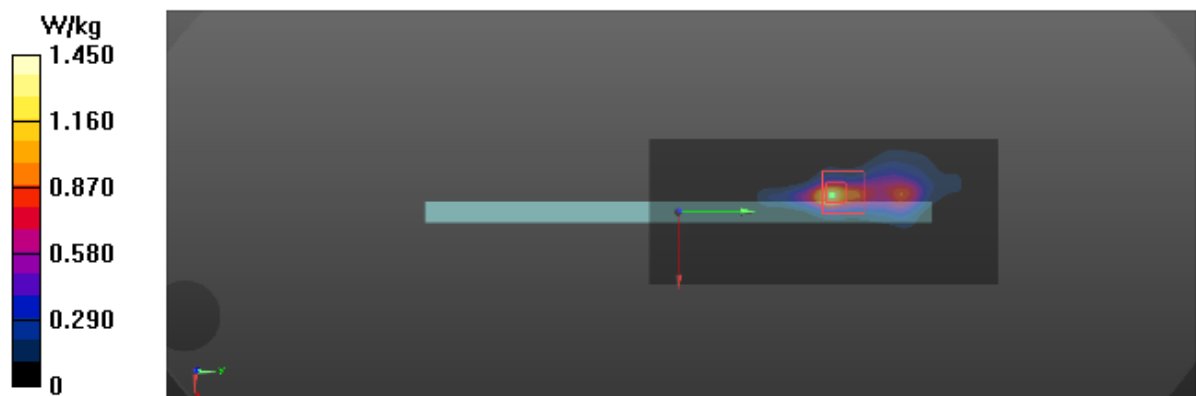
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value =  $0 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$

Peak SAR (extrapolated) =  $4.78 \text{ W/kg}$

**SAR(1 g) =  $0.876 \text{ W/kg}$ ; SAR(10 g) =  $0.210 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.41 \text{ W/kg}$



Test Laboratory: BTL Inc.

Date: 2017/12/19

**T236\_802.11a\_CH144\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant B\_NDX\_Notebook**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5720 \text{ MHz}$ ;  $\sigma = 63.01 \text{ S/m}$ ;  $\epsilon_r = 48.473$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.6 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.6 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (9x18x1):** Interpolated grid:  $dx=10 \text{ mm}$ ,  $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.330 \text{ W/kg}$

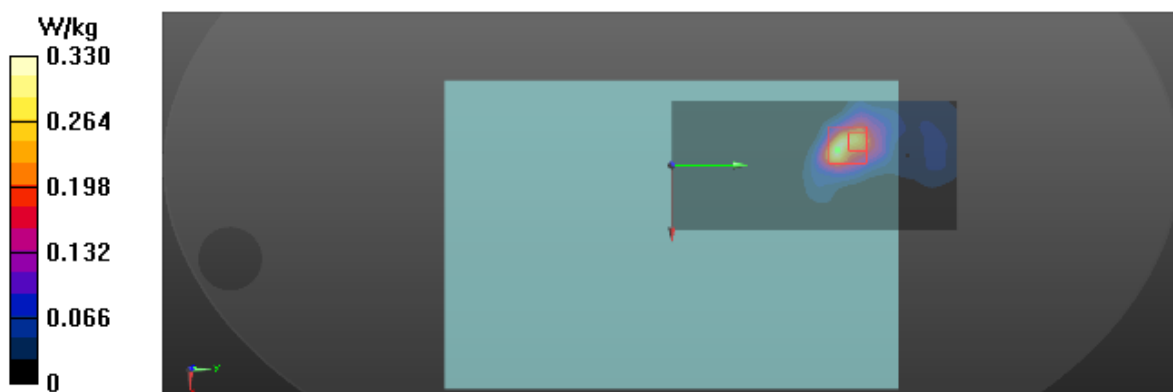
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value =  $0 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$

Peak SAR (extrapolated) =  $0.518 \text{ W/kg}$

**SAR(1 g) =  $0.138 \text{ W/kg}$ ; SAR(10 g) =  $0.047 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.286 \text{ W/kg}$



Test Laboratory: BTL Inc.

Date: 2017/12/20

**T284\_802.11a\_CH157\_Rear Face\_0cm\_Liteon RTL8822BE\_Ant A\_NDX\_Tablet**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 6.052 \text{ S/m}$ ;  $\epsilon_r = 48.216$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.5 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(4.52, 4.52, 4.52); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (12x19x1):** Interpolated grid:  $dx=10 \text{ mm}$ ,  $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.15 \text{ W/kg}$

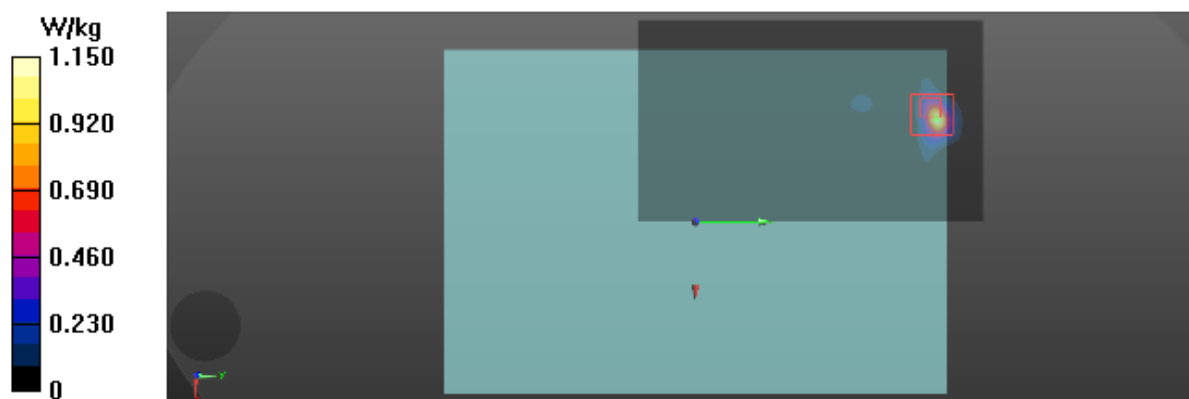
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value =  $0 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$

Peak SAR (extrapolated) =  $0.858 \text{ W/kg}$

**SAR(1 g) =  $0.220 \text{ W/kg}$ ; SAR(10 g) =  $0.078 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.464 \text{ W/kg}$



Test Laboratory: BTL Inc.

Date: 2017/12/20

**T291\_802.11a\_CH165\_Rear Face\_2.5cm\_Liteon RTL8822BE\_Ant A\_NDX\_Notebook**

**DUT: KEI;**

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;  $\sigma = 6.18$  S/m;  $\epsilon_r = 48.213$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.52, 4.52, 4.52); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (12x19x1):** Interpolated grid:  $dx=10$  mm,  $dy=10$  mm

Maximum value of SAR (interpolated) = 0.0935 W/kg

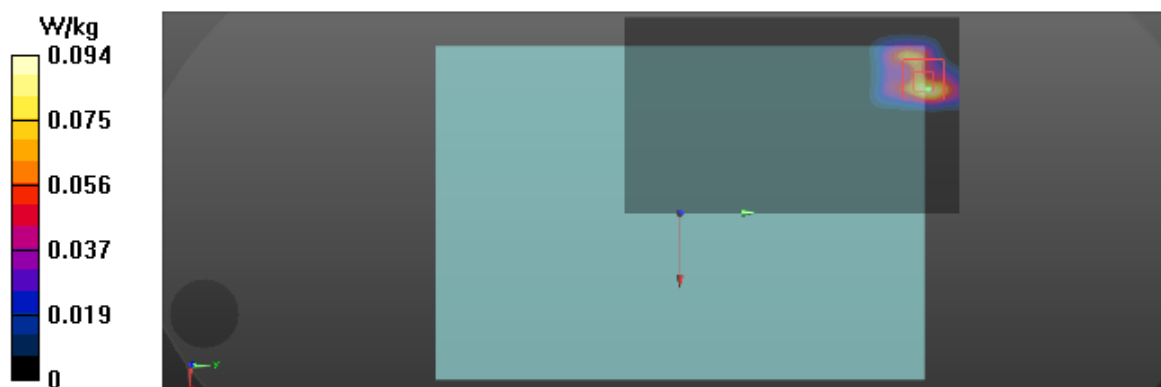
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.149 W/kg

**SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.010 W/kg**

Maximum value of SAR (measured) = 0.0541 W/kg



Test Laboratory: BTL Inc.

Date: 2017/12/20

**T304\_802.11a\_CH149\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant B\_NDX\_Tablet**

**DUT: KEI;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.223 \text{ S/m}$ ;  $\epsilon_r = 46.44$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.5 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.52, 4.52, 4.52); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (9x19x1):** Interpolated grid:  $dx=10 \text{ mm}$ ,  $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) =  $3.44 \text{ W/kg}$

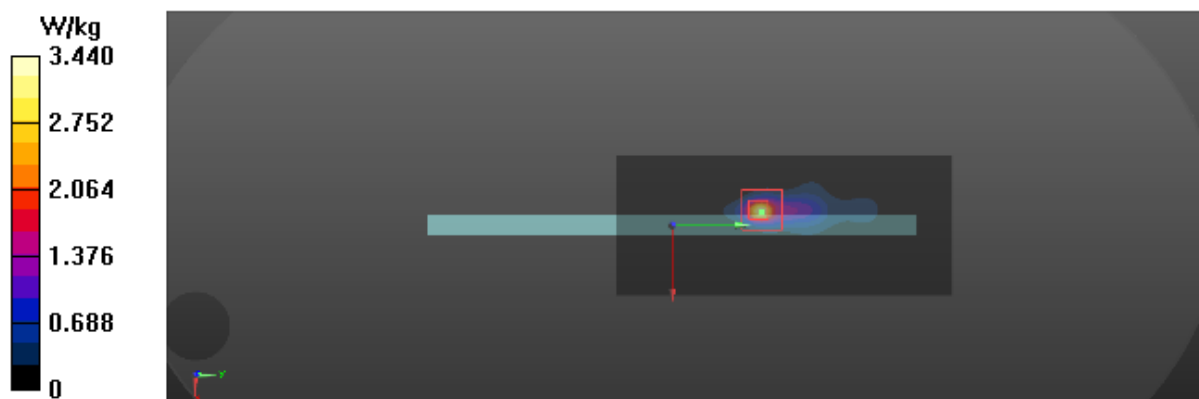
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value =  $1.660 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $6.64 \text{ W/kg}$

**SAR(1 g) =  $1.21 \text{ W/kg}$ ; SAR(10 g) =  $0.295 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.74 \text{ W/kg}$



Test Laboratory: BTL Inc.

Date: 2017/12/20

# **T313\_802.11a\_CH165\_Bottom Side\_0cm\_Liteon RTL8822BE\_Ant B\_NDX\_Notebook**

**DUT: KEI;**

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;  $\sigma = 6.18$  S/m;  $\epsilon_r = 48.213$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 – SN7396; ConvF(4.52, 4.52, 4.52); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (9x19x1):** Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.313 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.552 W/kg

**SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.352 W/kg

