

**Test Plot 1#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Back\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.526 W/kg

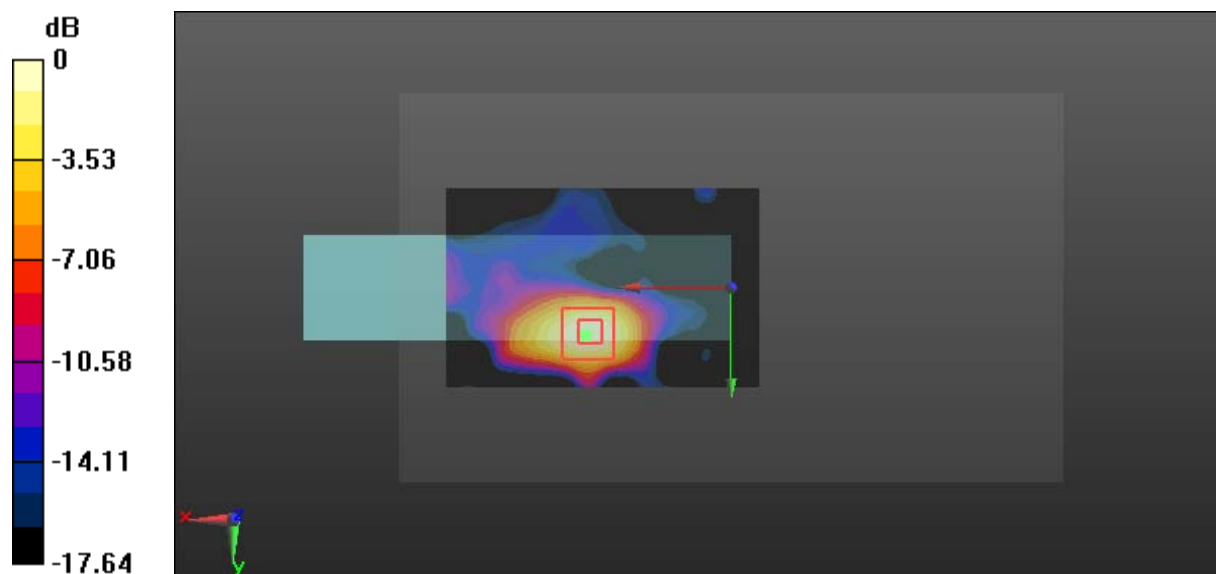
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.741 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.217 W/kg**

Maximum value of SAR (measured) = 0.509 W/kg



0 dB = 0.509 W/kg = -2.93 dBW/kg

**Test Plot 2#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Left\_Low Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.967$  S/m;  $\epsilon_r = 51.127$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.33 W/kg

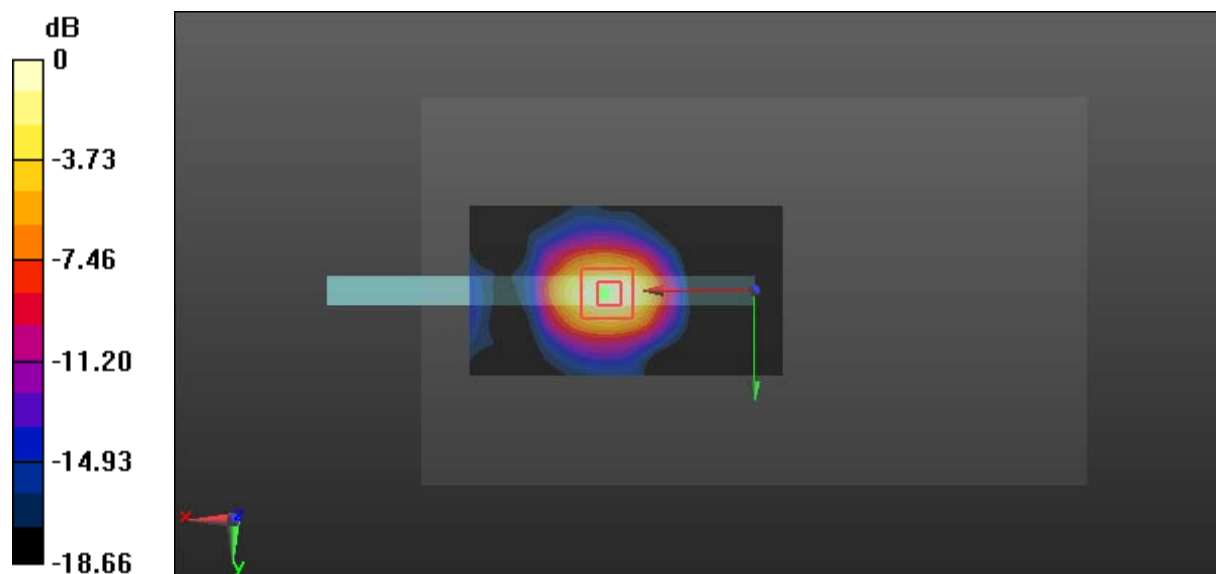
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.821 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.41 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.541 W/kg**

Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

**Test Plot 3#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Left\_Middle Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.996$  S/m;  $\epsilon_r = 52.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

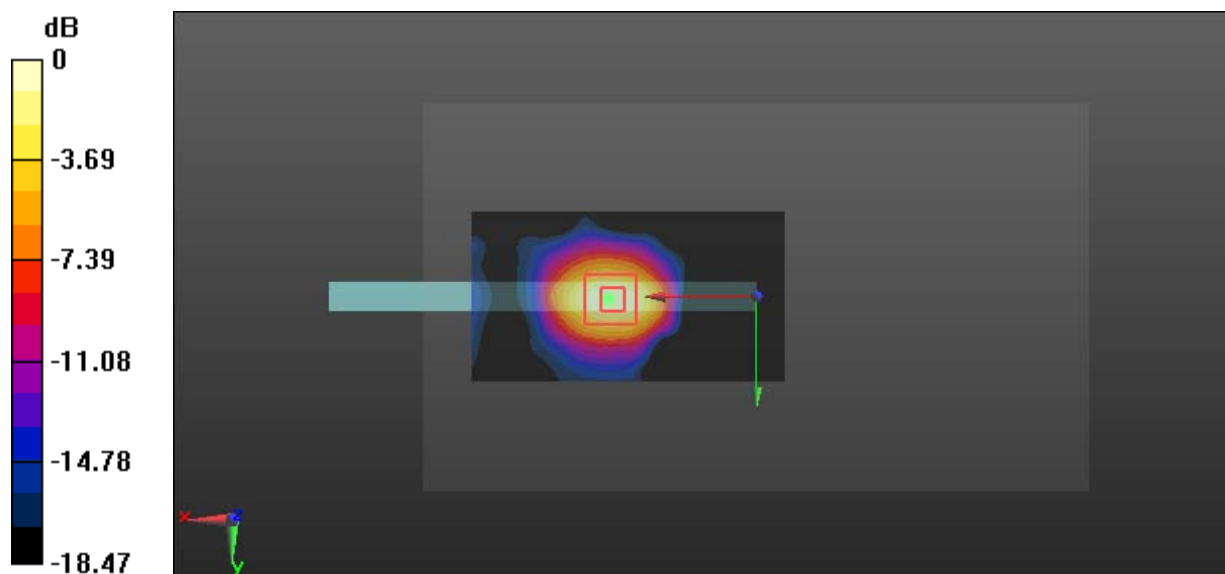
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.773 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.36 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.526 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

**Test Plot 4#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Left\_High Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 51.755$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

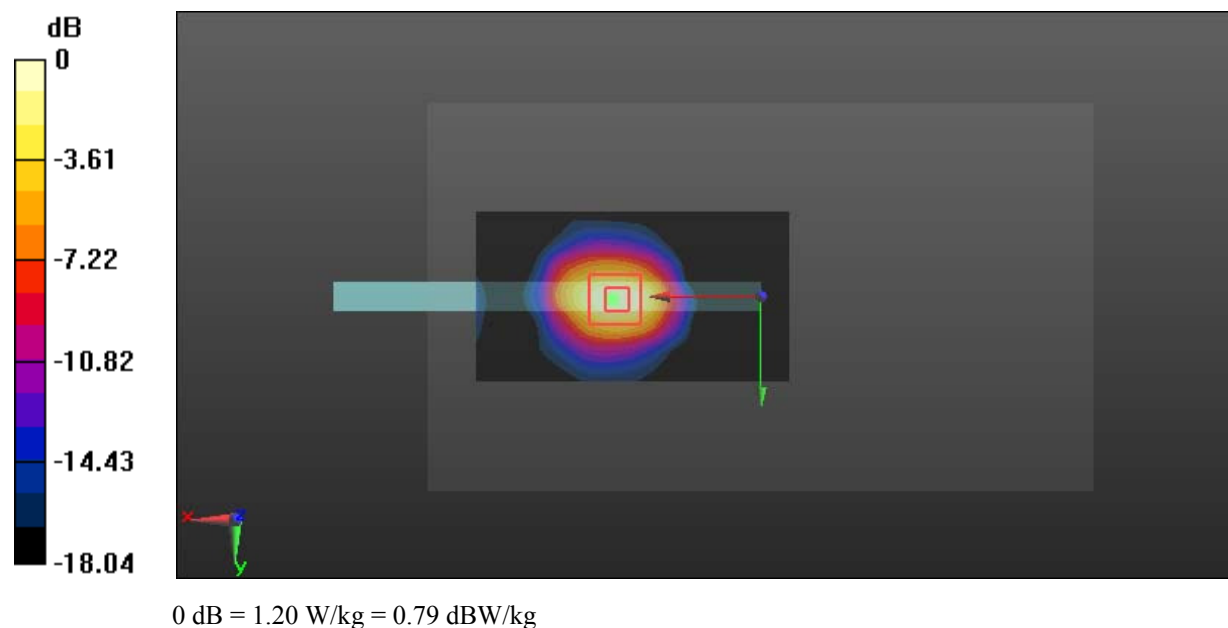
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.043 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.505 W/kg**

Maximum value of SAR (measured) = 1.20 W/kg



**Test Plot 5#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Front\_Middle Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.996$  S/m;  $\epsilon_r = 52.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.261 W/kg

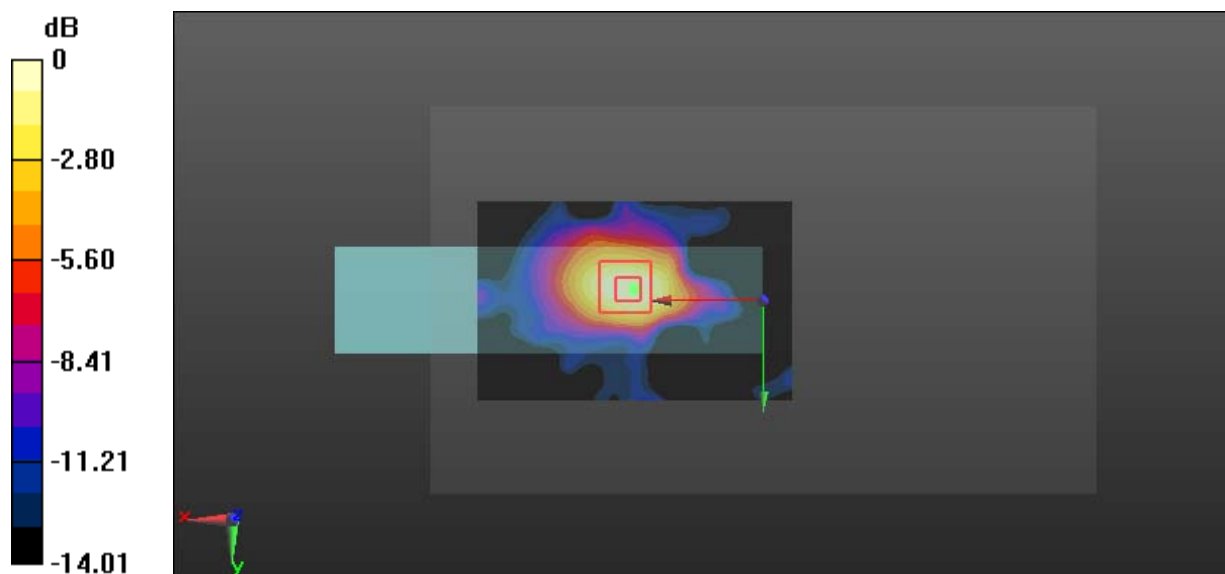
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.999 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.473 W/kg

**SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.123 W/kg**

Maximum value of SAR (measured) = 0.260 W/kg



0 dB = 0.260 W/kg = -5.85 dBW/kg

**Test Plot 6#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Top\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0230 W/kg

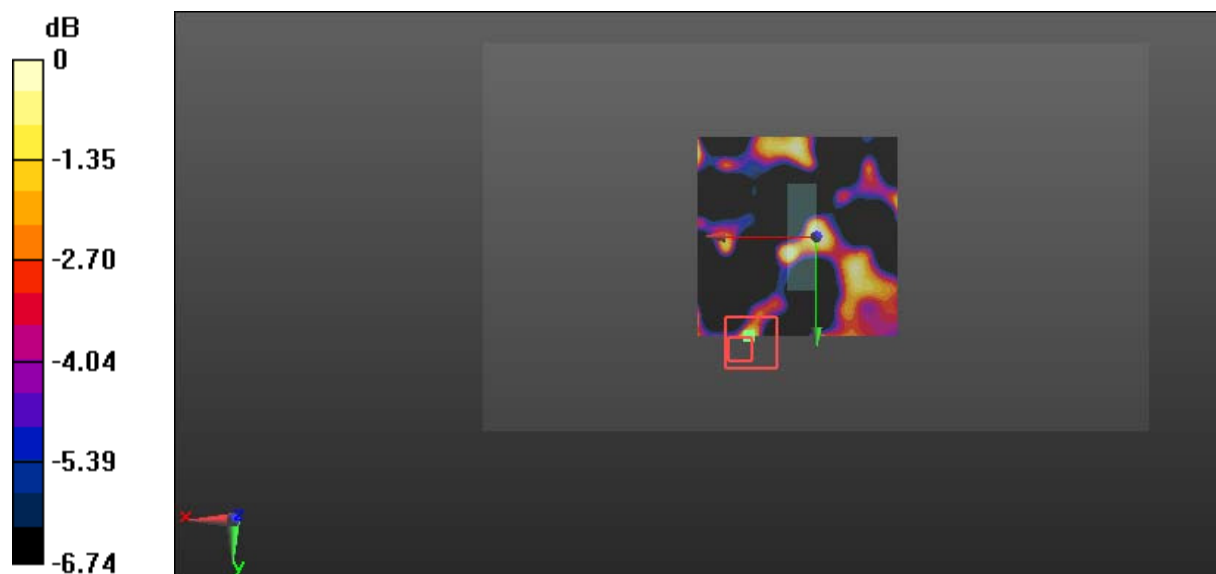
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.322 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0480 W/kg

**SAR(1 g) = 0.00997 W/kg; SAR(10 g) = 0.00684 W/kg**

Maximum value of SAR (measured) = 0.0190 W/kg



0 dB = 0.0190 W/kg = -17.21 dBW/kg

**Test Plot 7#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Back(Antenna Fold)\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0631 W/kg

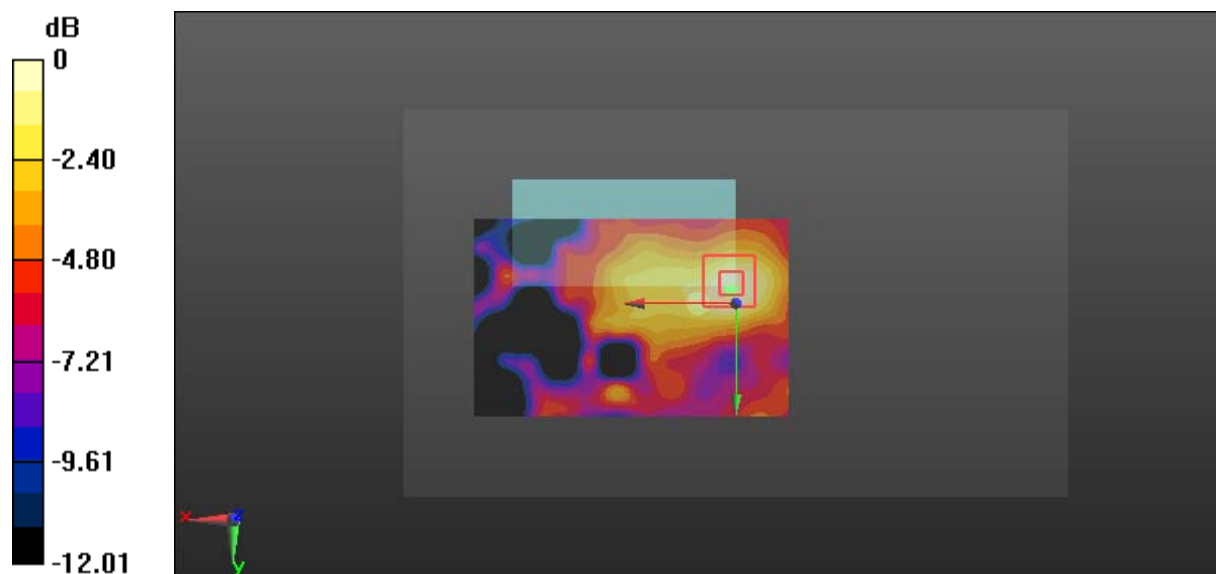
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.280 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0750 W/kg

**SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.029 W/kg**

Maximum value of SAR (measured) = 0.0558 W/kg



0 dB = 0.0558 W/kg = -12.53 dBW/kg

**Test Plot 8#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Left(Antenna Fold)\_Low Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.967$  S/m;  $\epsilon_r = 51.127$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.36 W/kg

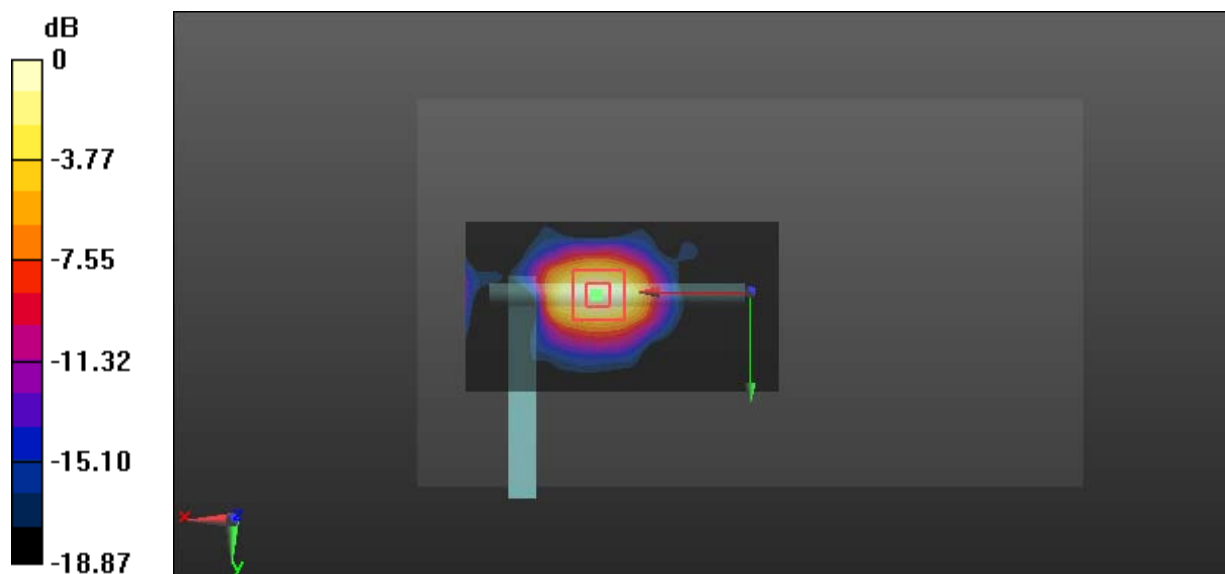
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.721 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.42 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.515 W/kg**

Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg



**Test Plot 9#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Left(Antenna Fold)\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 1.26 W/kg

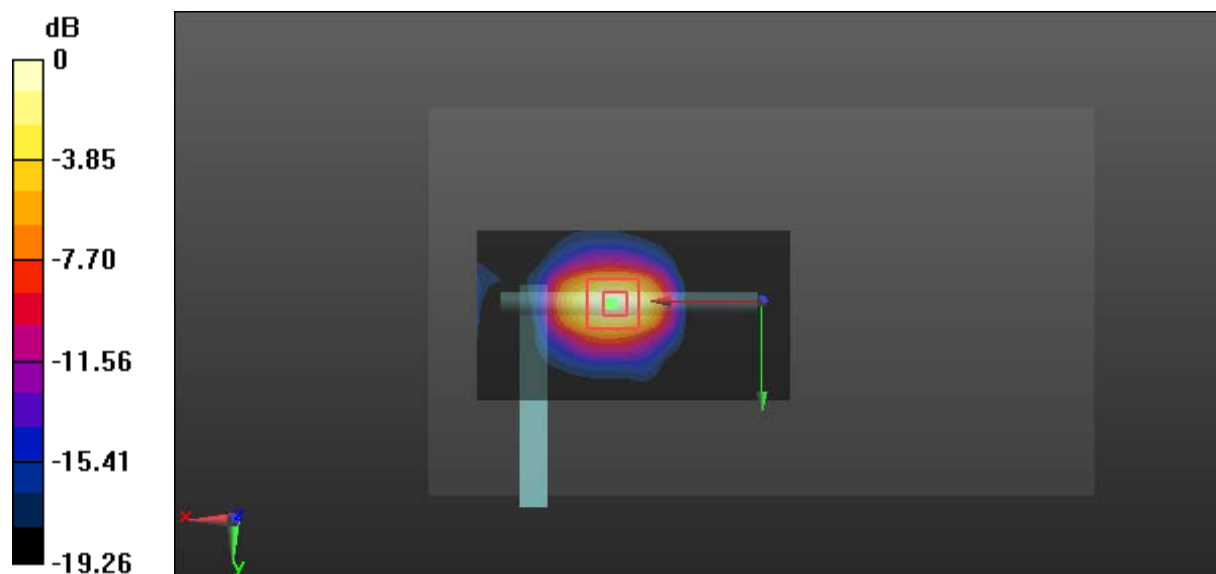
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.013 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.46 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.503 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

**Test Plot 10#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Left(Antenna Fold)\_High Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 51.755$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.33 W/kg

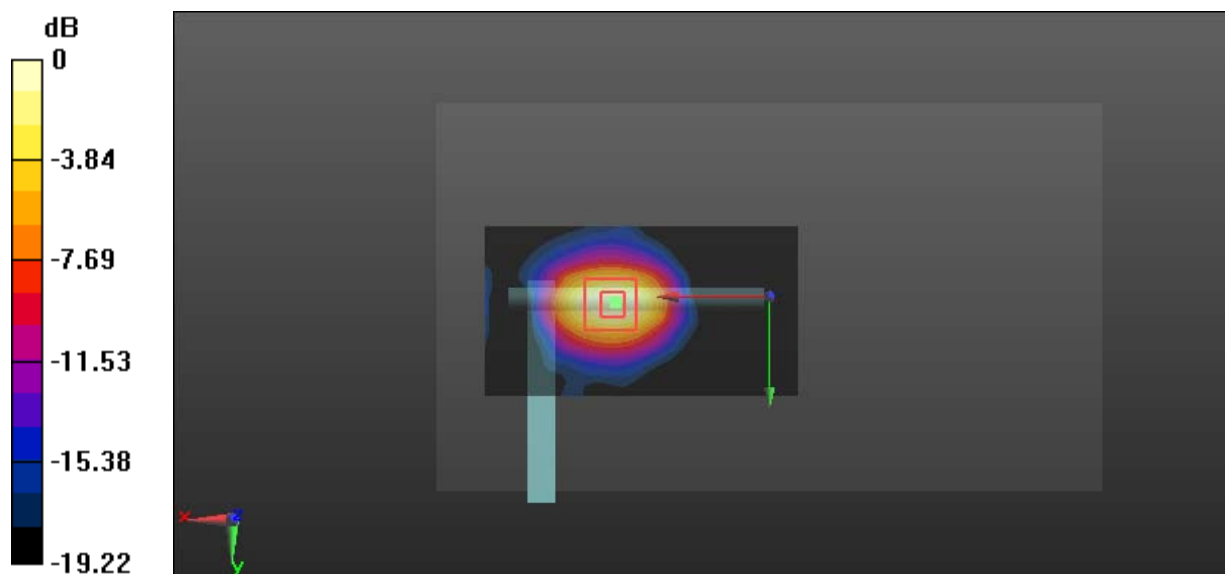
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.025 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.33 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.502 W/kg**

Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

**Test Plot 11#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Top(Antenna Fold)\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

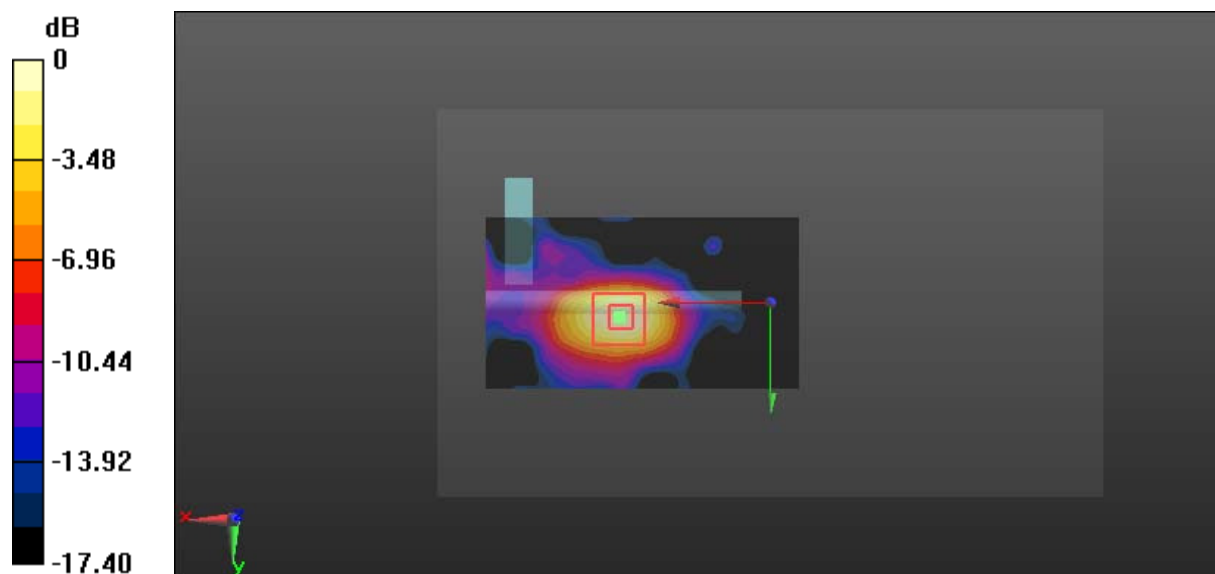
Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.469 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 1.785 V/m; Power Drift = -0.11 dB  
 Peak SAR (extrapolated) = 0.758 W/kg  
**SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.176 W/kg**  
 Maximum value of SAR (measured) = 0.424 W/kg



0 dB = 0.424 W/kg = -3.73 dBW/kg

**Test Plot 12#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Bottom(Antenna Fold)\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

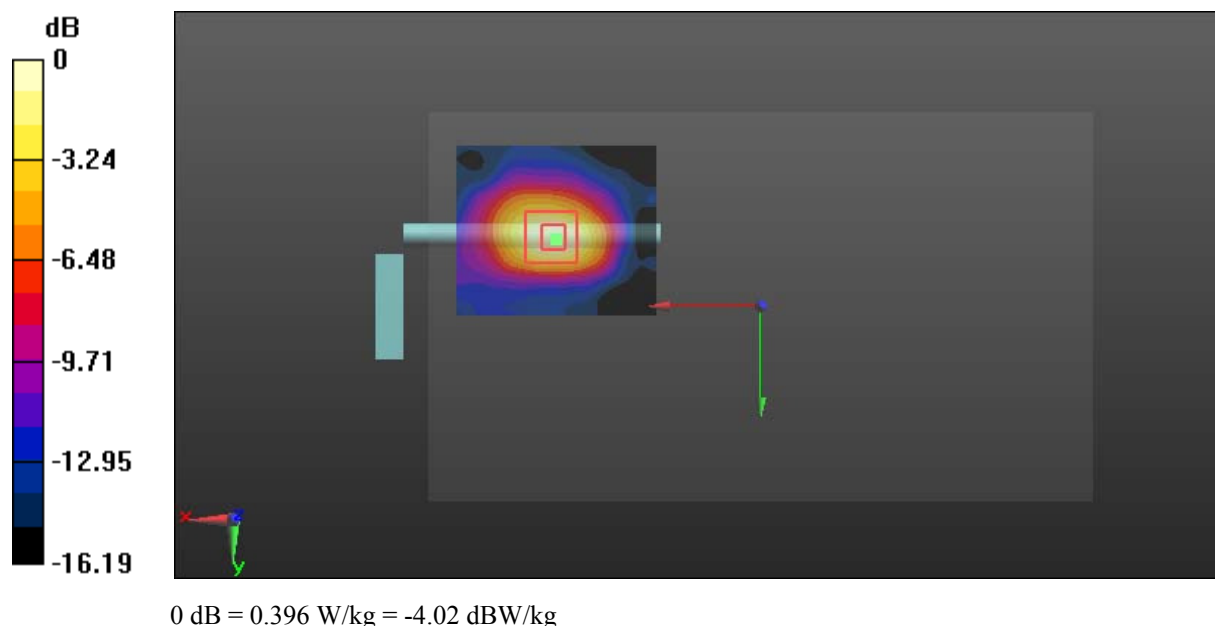
Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (81x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.428 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 2.426 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 0.762 W/kg  
**SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.173 W/kg**  
 Maximum value of SAR (measured) = 0.396 W/kg



**Test Plot 13#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Back\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.556 W/kg

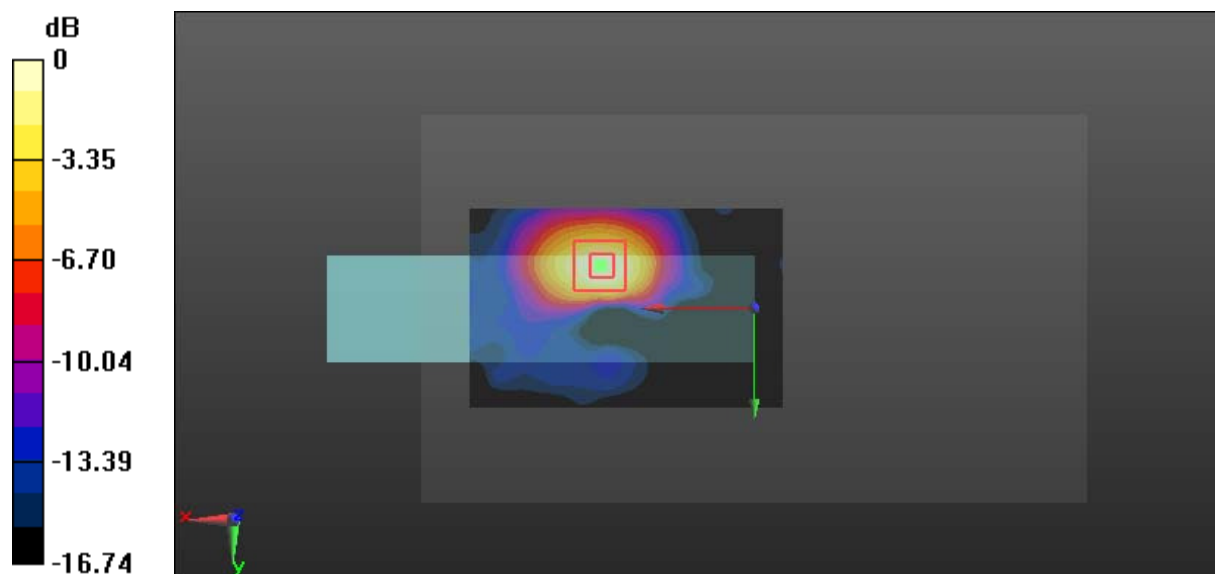
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.178 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.231 W/kg**

Maximum value of SAR (measured) = 0.540 W/kg



0 dB = 0.540 W/kg = -2.68 dBW/kg

**Test Plot 14#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Right\_Low Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

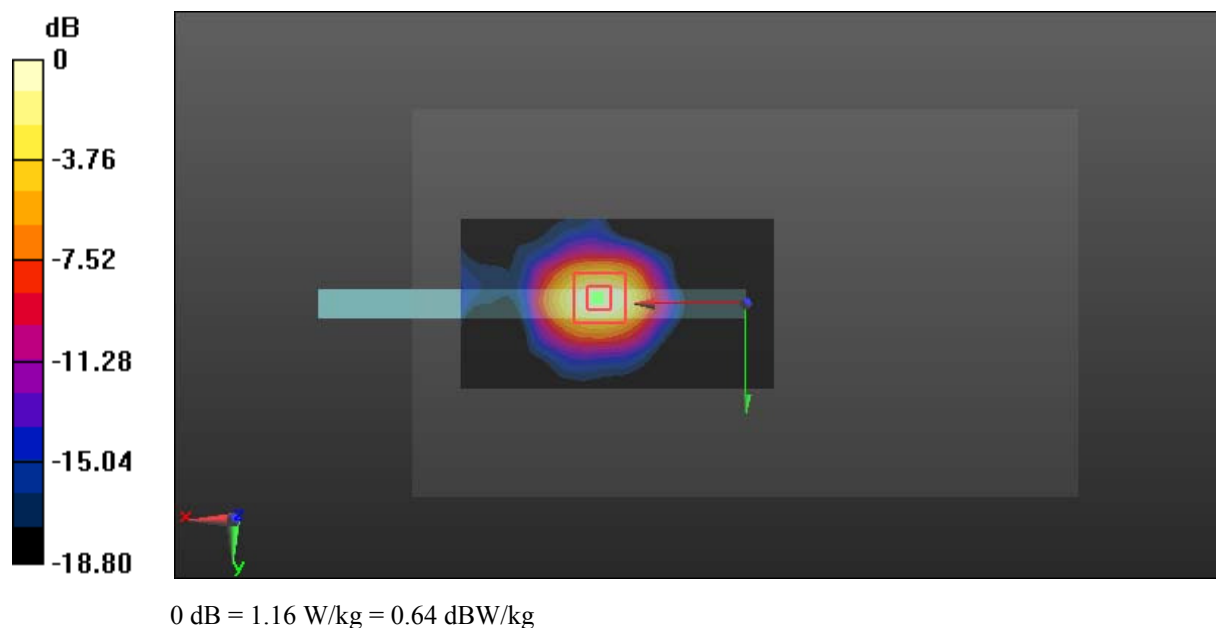
Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2412 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.967 \text{ S/m}$ ;  $\epsilon_r = 51.127$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
 Maximum value of SAR (interpolated) = 1.19 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 1.567 V/m; Power Drift = 0.09 dB  
 Peak SAR (extrapolated) = 2.23 W/kg  
**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.469 W/kg**  
 Maximum value of SAR (measured) = 1.16 W/kg



**Test Plot 15#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Right\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 1.23 W/kg

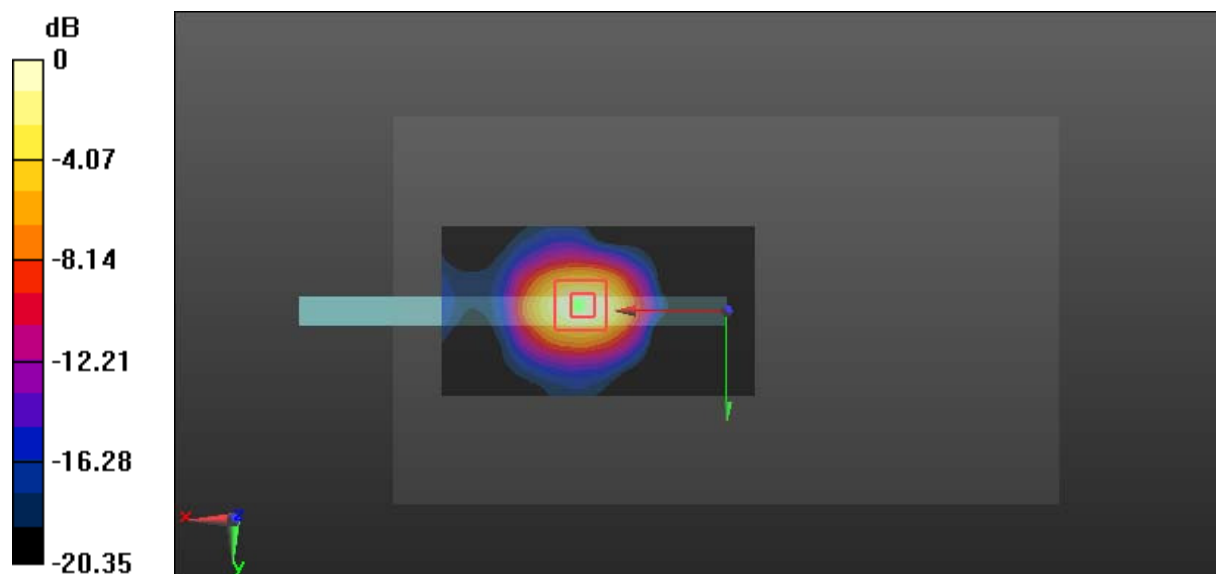
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.616 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.32 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.483 W/kg**

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg

**Test Plot 16#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Right\_High Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 51.755$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.31 W/kg

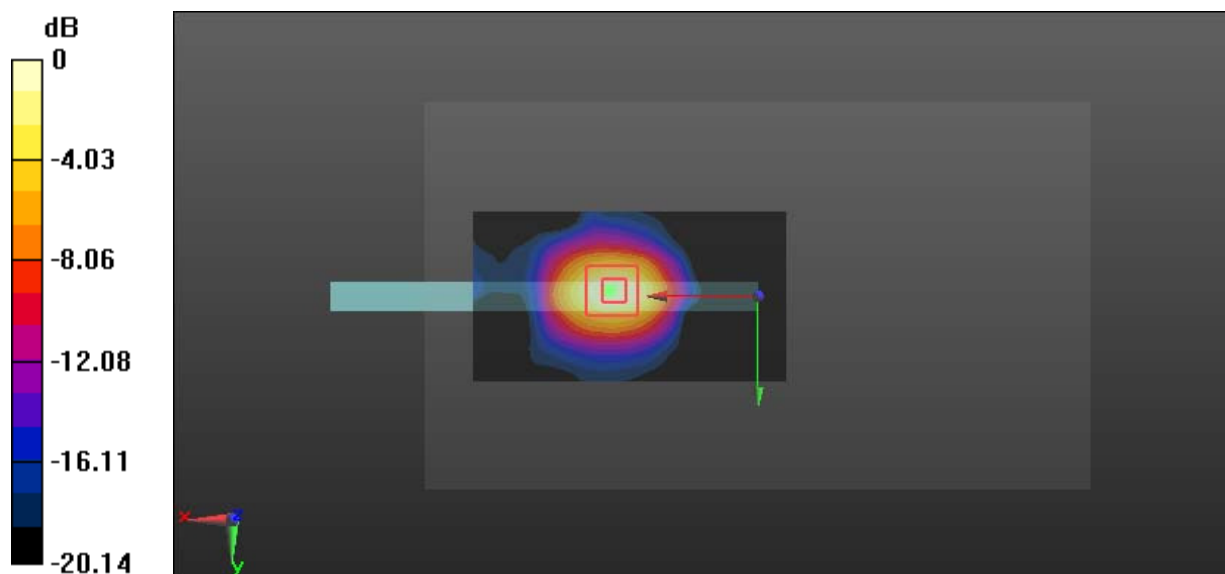
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.621 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.47 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.514 W/kg**

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg



**Test Plot 17#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Front\_Middle Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.996$  S/m;  $\epsilon_r = 52.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.655 W/kg

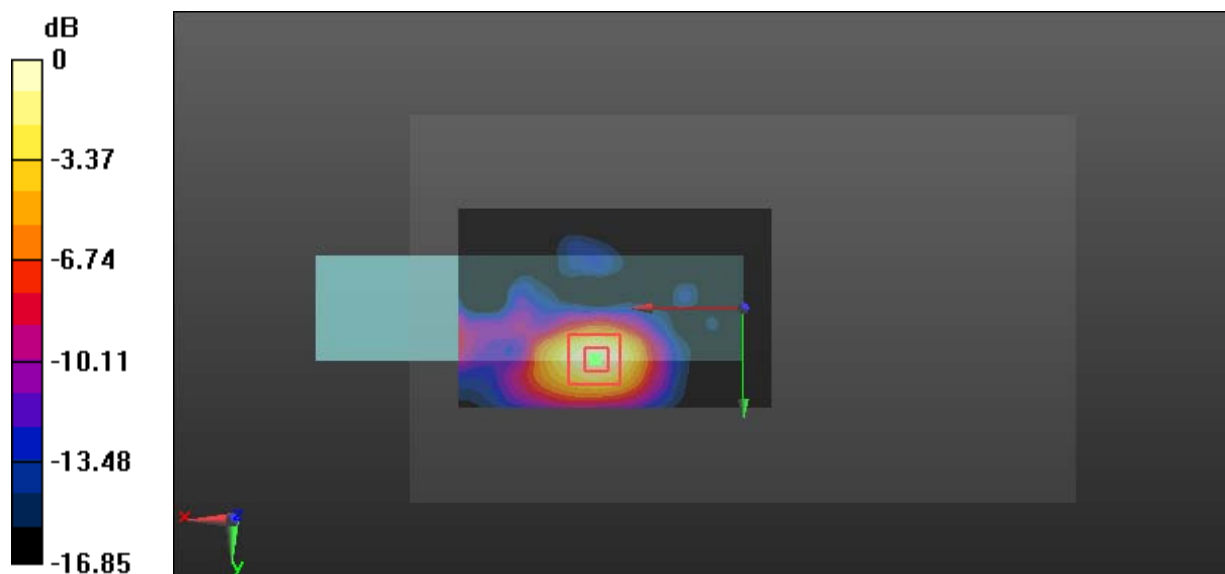
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.007 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.260 W/kg**

Maximum value of SAR (measured) = 0.627 W/kg



0 dB = 0.627 W/kg = -2.03 dBW/kg

**Test Plot 18#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Top\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

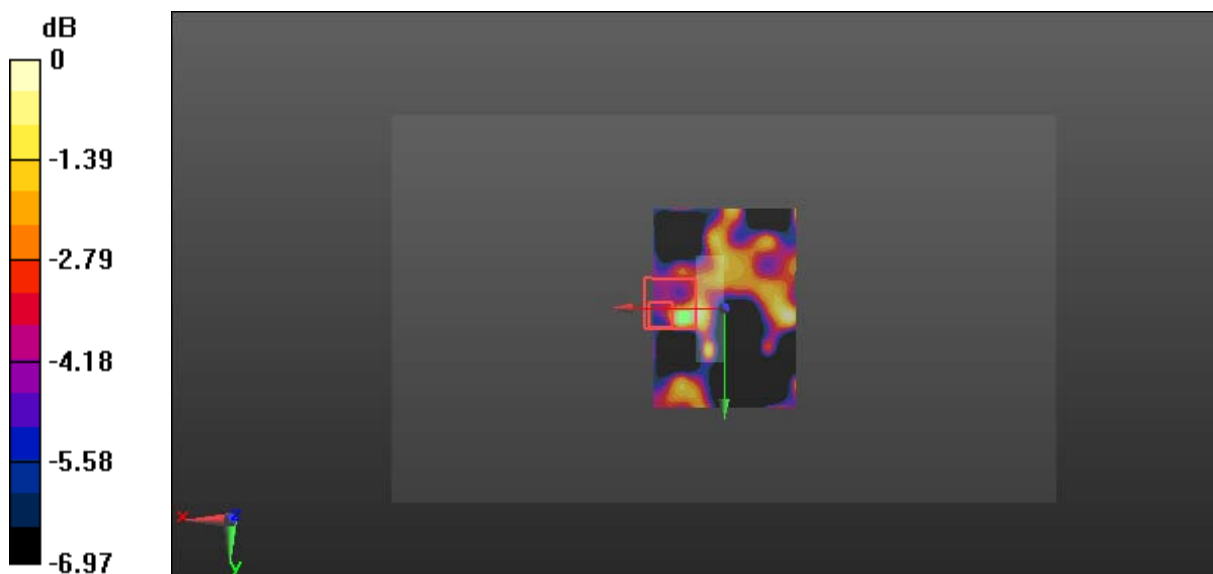
Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (51x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.0242 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 1.631 V/m; Power Drift = 0.10 dB  
 Peak SAR (extrapolated) = 0.0390 W/kg  
**SAR(1 g) = 0.00617 W/kg; SAR(10 g) = 0.00218 W/kg**  
 Maximum value of SAR (measured) = 0.0206 W/kg



0 dB = 0.0206 W/kg = -16.86 dBW/kg

**Test Plot 19#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Back(Antenna Fold)\_Middle Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.996$  S/m;  $\epsilon_r = 52.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0598 W/kg

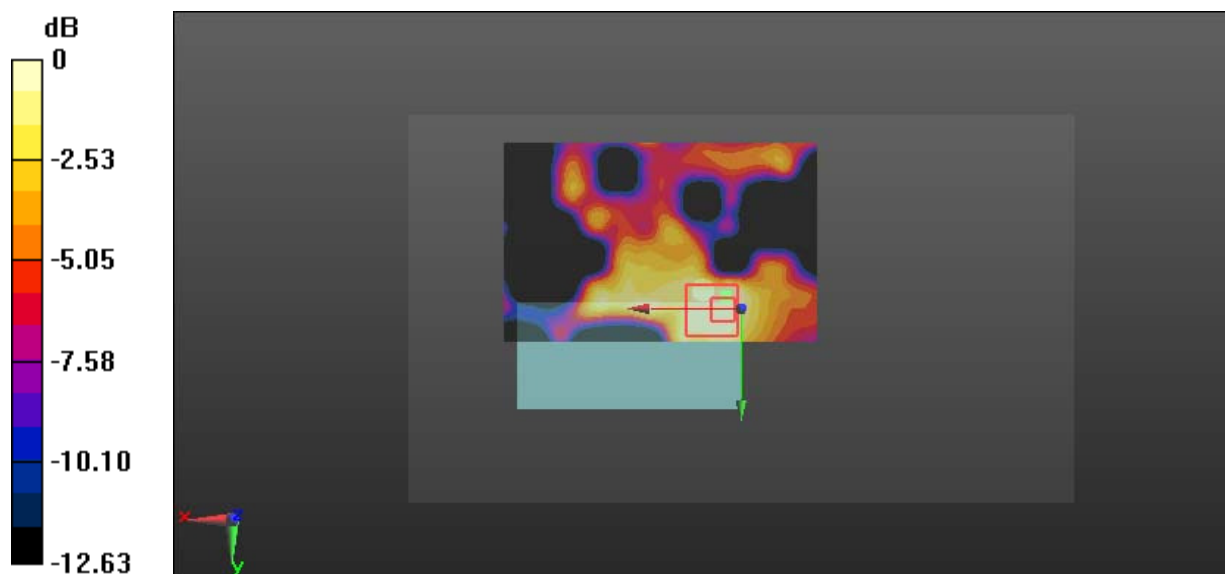
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.521 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.159 W/kg

**SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.023 W/kg**

Maximum value of SAR (measured) = 0.0514 W/kg



0 dB = 0.0514 W/kg = -12.89 dBW/kg

**Test Plot 20#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Rihgt(Antenna Fold)\_Low Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.967 \text{ S/m}$ ;  $\epsilon_r = 51.127$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 1.17 W/kg

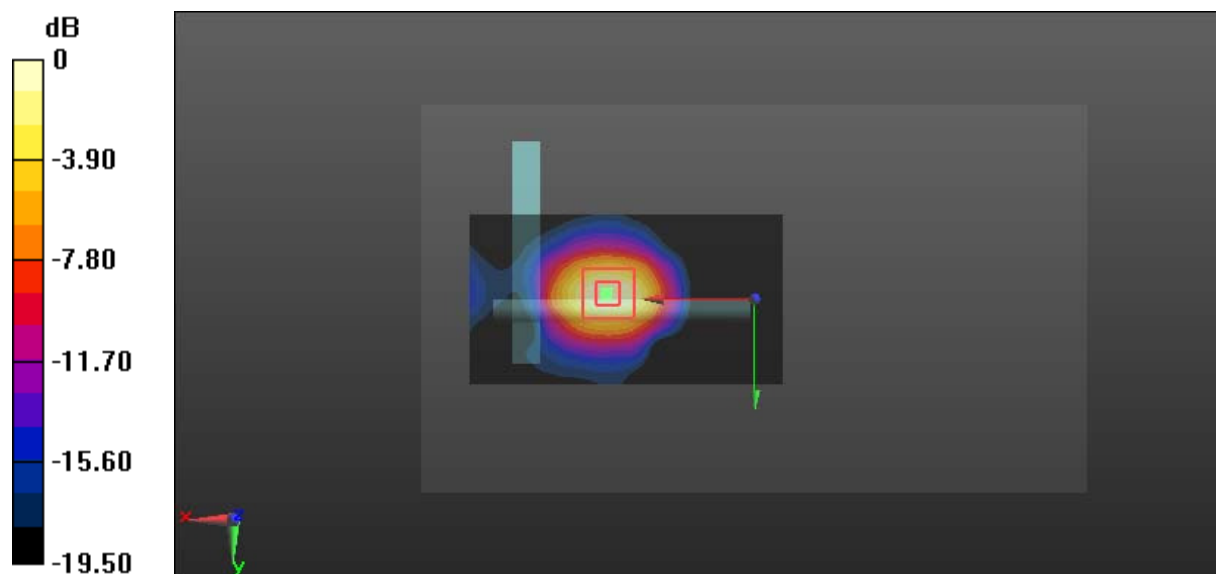
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.269 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.23 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.463 W/kg**

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.61 dBW/kg

**Test Plot 21#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Rihgt(Antenna Fold)\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

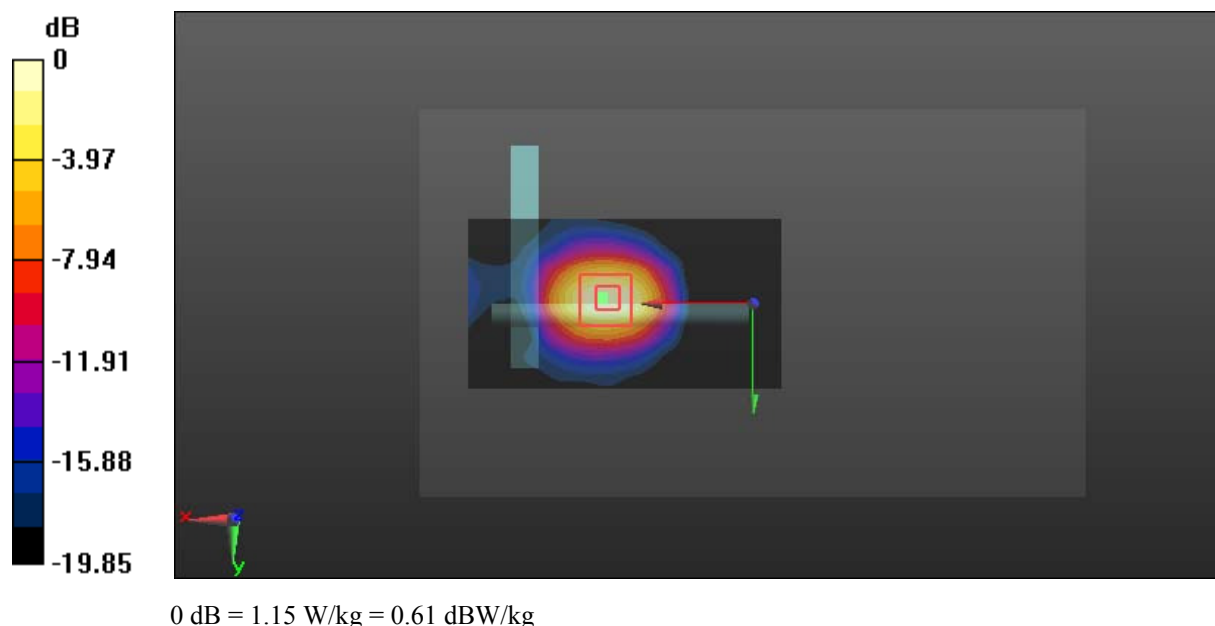
Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
 Maximum value of SAR (interpolated) = 1.20 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 1.527 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 2.28 W/kg  
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.475 W/kg**  
 Maximum value of SAR (measured) = 1.15 W/kg



**Test Plot 22#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Rihgt(Antenna Fold)\_High Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 51.755$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.30 W/kg

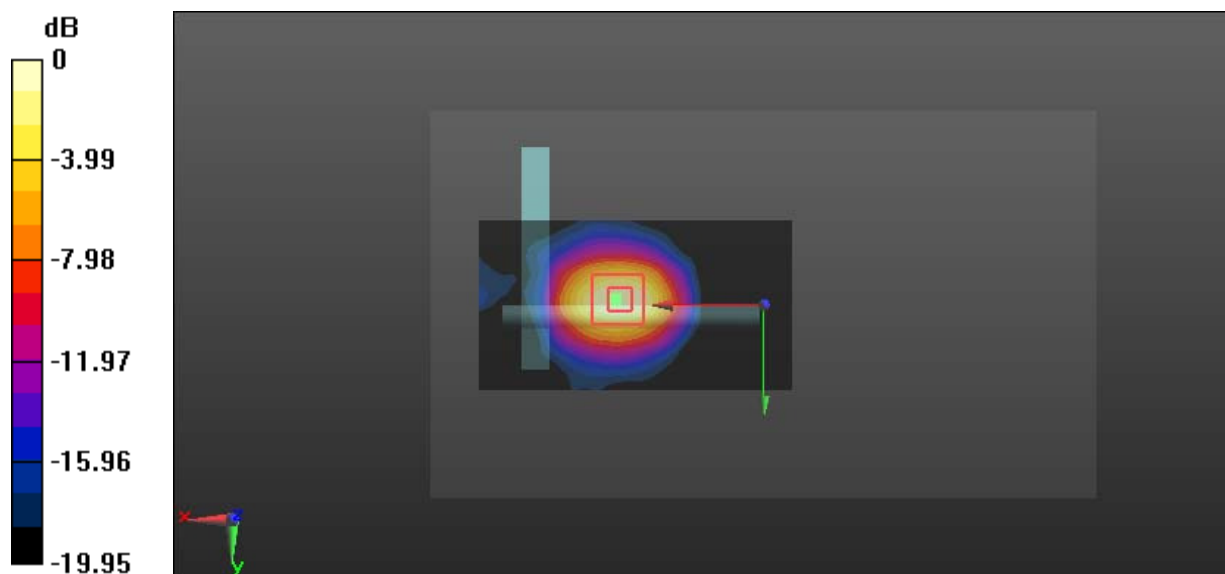
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.599 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.49 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.511 W/kg**

Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

**Test Plot 23#: Chain 0\_Wi-Fi 2.4G\_Mode B\_Body Front(Antenna Fold)\_Middle Channel****DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.996$  S/m;  $\epsilon_r = 52.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (51x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0213 W/kg

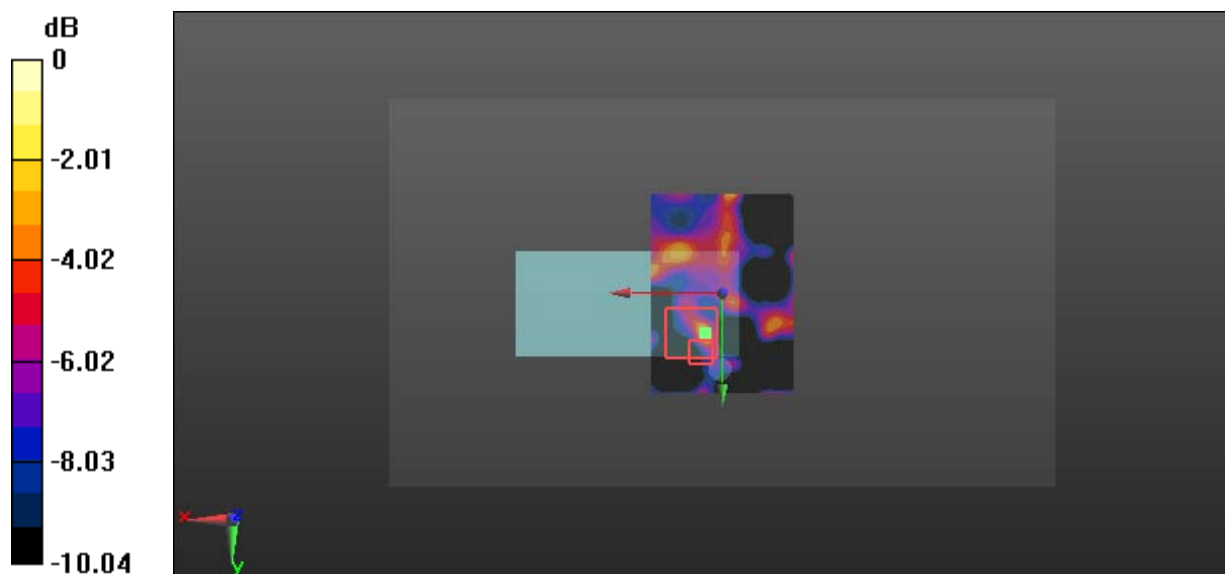
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.686 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.00524 W/kg; SAR(10 g) = 0.00116 W/kg**

Maximum value of SAR (measured) = 0.0362 W/kg



0 dB = 0.0362 W/kg = -14.41 dBW/kg

**Test Plot 24#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Top(Antenna Fold)\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

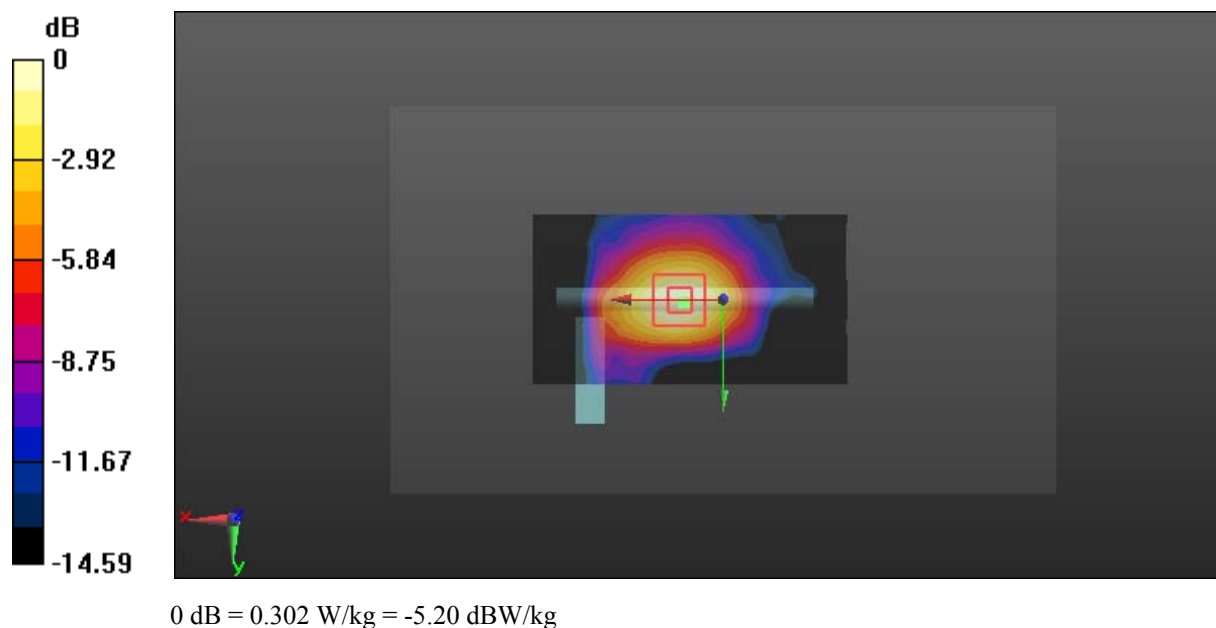
Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz;Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (111x61x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.308 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 9.043 V/m; Power Drift = -0.18 dB  
 Peak SAR (extrapolated) = 0.530 W/kg  
**SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.147 W/kg**  
 Maximum value of SAR (measured) = 0.302 W/kg





**Test Plot 25#: Chain 1\_Wi-Fi 2.4G\_Mode B\_Body Bottom(Antenna Fold)\_Middle Channel**

**DUT: 300Mbps USB Wi-Fi Range Extender; Type: EX200U; Serial: 18020500320**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.996 \text{ S/m}$ ;  $\epsilon_r = 52.786$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.05, 4.05, 4.05); Calibrated: 2017/10/30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2017/10/9
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (81x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.604 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 2.001 V/m; Power Drift = -0.05 dB  
 Peak SAR (extrapolated) = 1.11 W/kg  
**SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.239 W/kg**  
 Maximum value of SAR (measured) = 0.561 W/kg

