

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## Dt&C Co., Ltd.

**DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d175**

Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.985 \text{ S/m}$ ;  $\epsilon_r = 42.41$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.73, 6.29, 6.19); Calibrated: 1/22/2023 Electronics: DAE4 Sn1453  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-08; Ambient Temp: 22.0; Tissue Temp: 21.8

### **900 MHz System Verification (250 mW)**

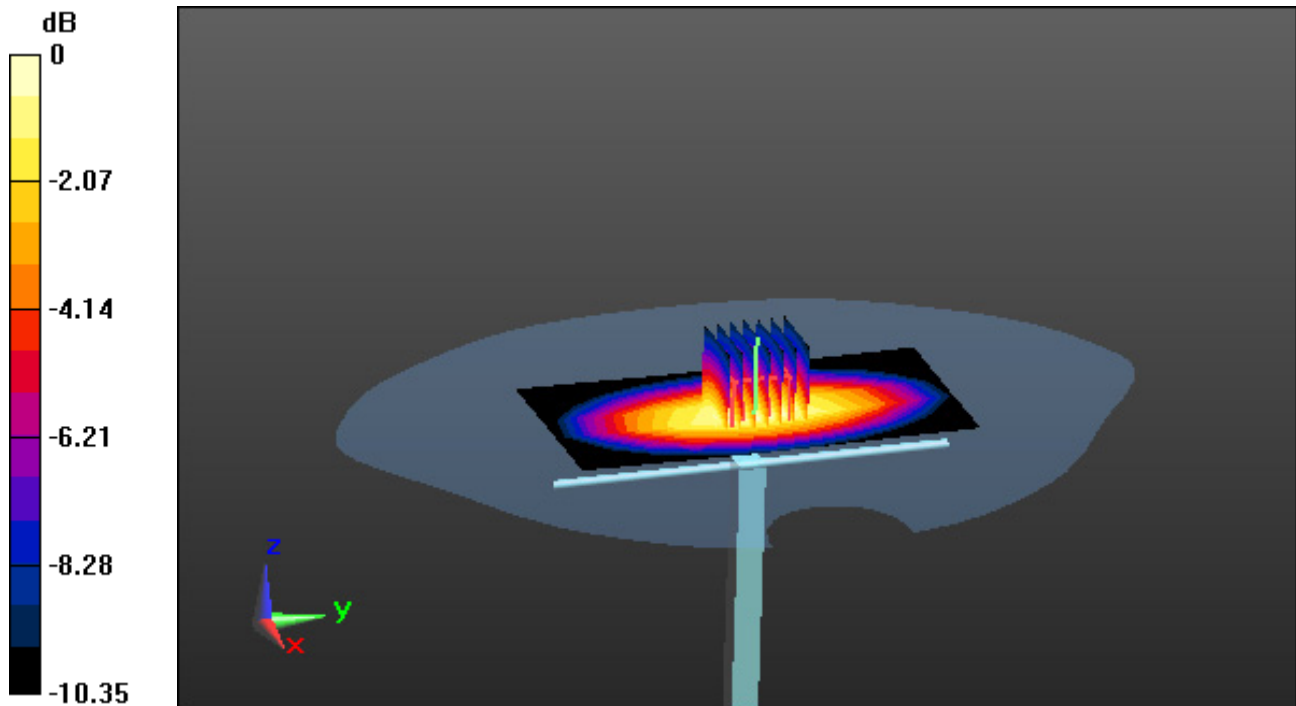
**Area Scan (6x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.32 W/kg

**SAR(1 g) = 2.85 W/kg; SAR(10 g) = 1.83 W/kg**



0 dB = 3.07 W/kg

## Dt&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.851$  S/m;  $\epsilon_r = 38.002$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.43, 4.96, 5.03); Calibrated: 1/22/2023 Electronics: DAE4 Sn1453  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-10; Ambient Temp: 22.0; Tissue Temp: 22.1

### **2 450 MHz System Verification (100 mW)**

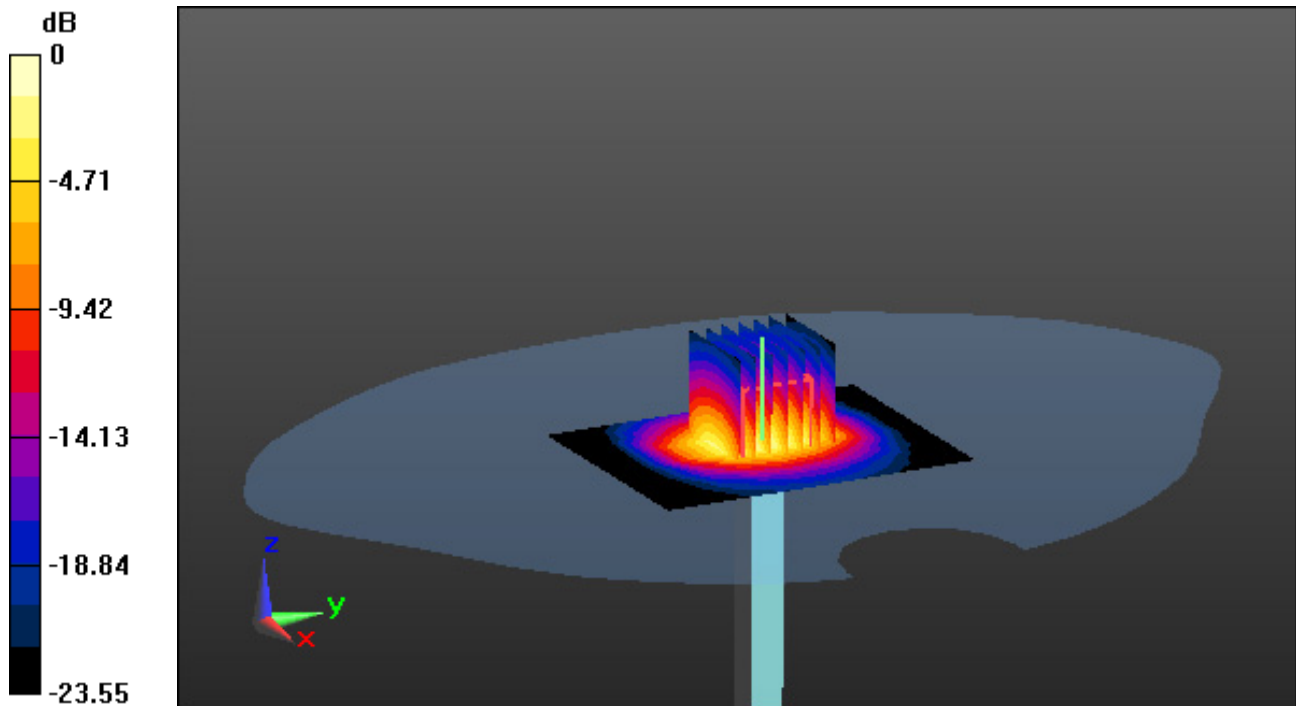
**Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.49 W/kg



0 dB = 8.38 W/kg

## Dt&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.728$  S/m;  $\epsilon_r = 36.121$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.64, 5.64, 5.64); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-08; Ambient Temp: 20.5; Tissue Temp: 20.3

### **5 200 MHz System Verification (100 mW)**

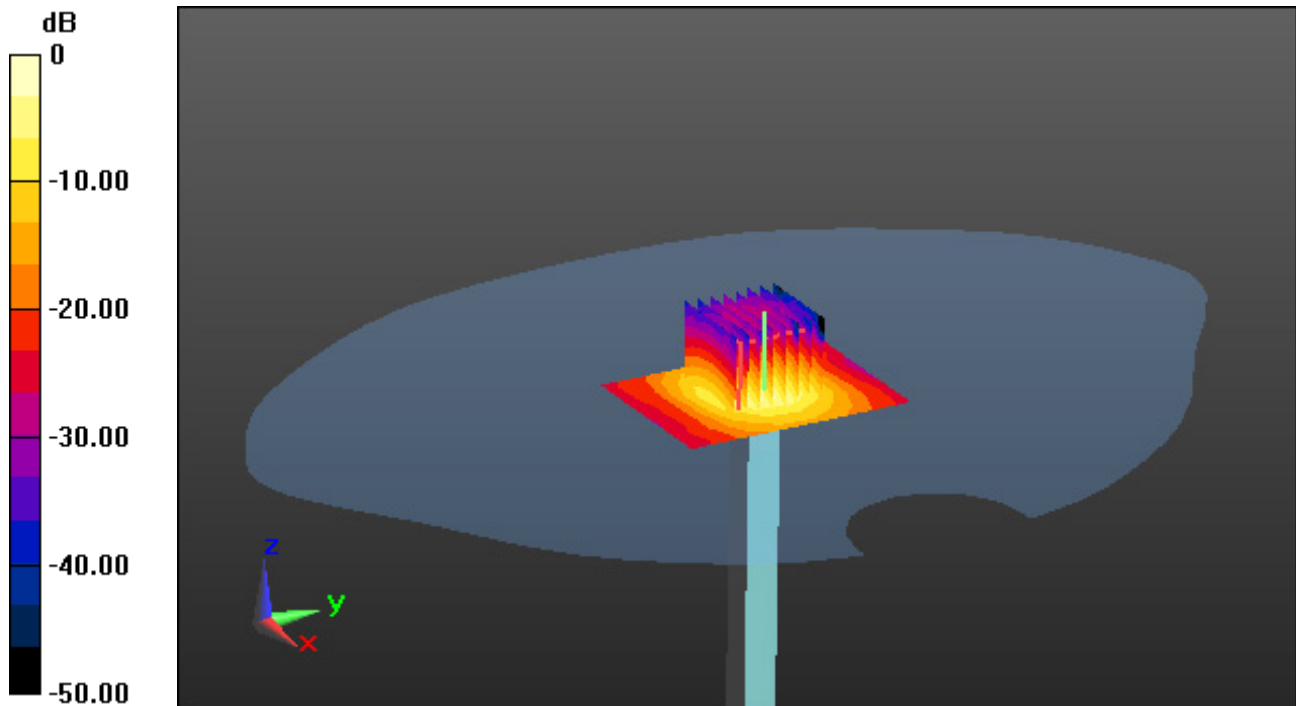
**Area Scan (6x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 26.7 W/kg

SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.14 W/kg



0 dB = 16.8 W/kg

## Dt&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.851$  S/m;  $\epsilon_r = 35.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.41, 5.41, 5.41); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-08; Ambient Temp: 20.5; Tissue Temp: 20.3

### **5 300 MHz System Verification (100 mW)**

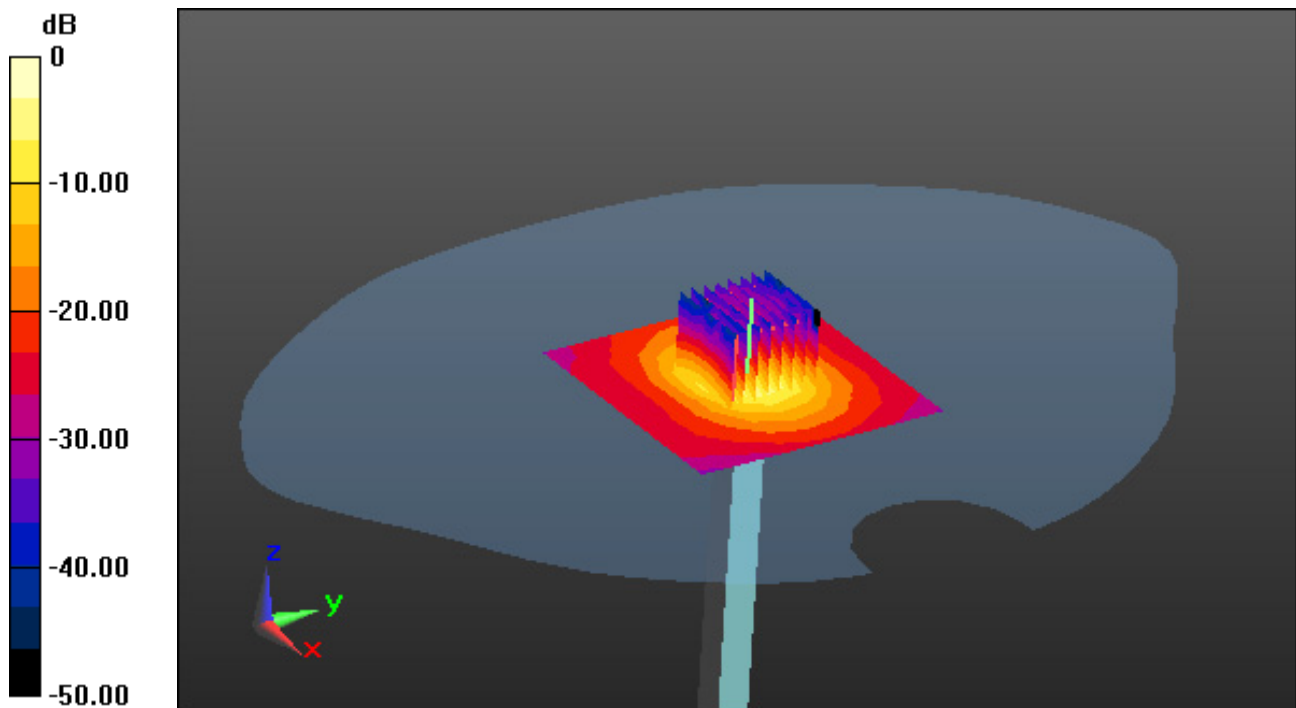
**Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 34.7 W/kg

SAR(1 g) = 8.22 W/kg; SAR(10 g) = 2.35 W/kg



0 dB = 19.6 W/kg

## Dt&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.98$  S/m;  $\epsilon_r = 34.567$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.05, 5.05, 5.05); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-09; Ambient Temp: 20.7; Tissue Temp: 21.0

### **5 500 MHz System Verification (100 mW)**

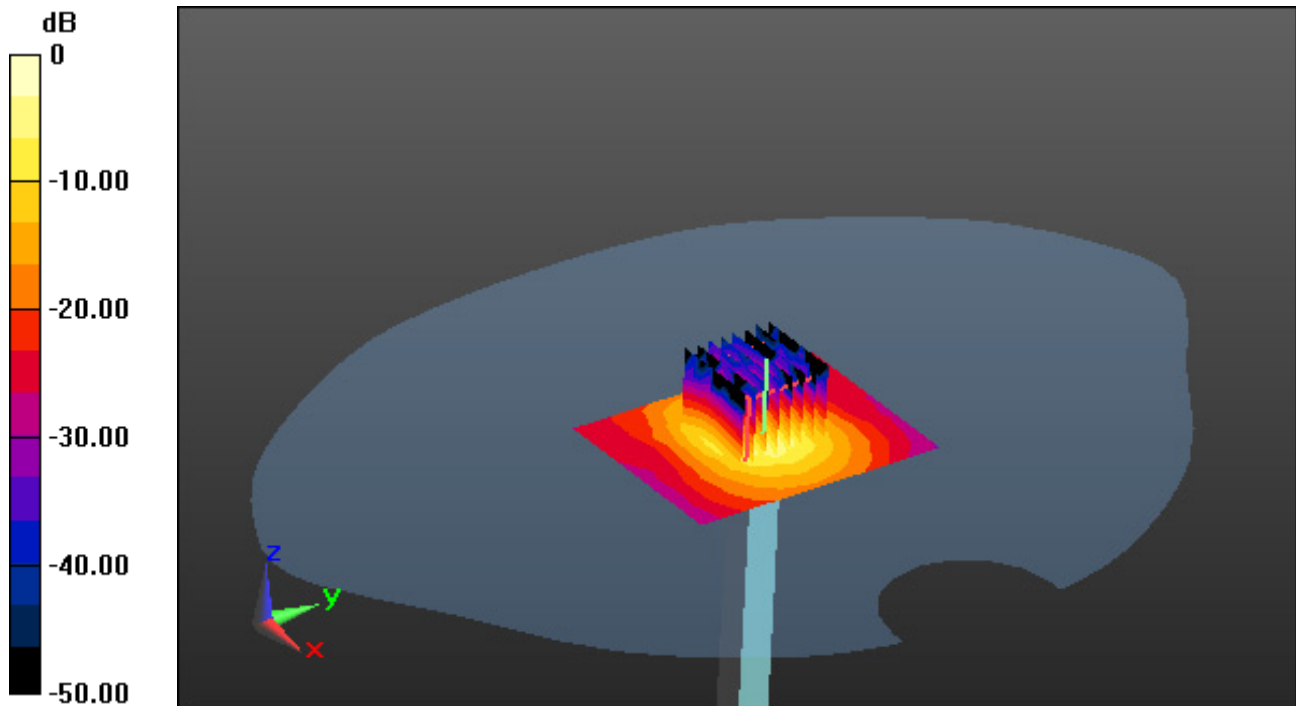
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 36.3 W/kg

SAR(1 g) = 8.37 W/kg; SAR(10 g) = 2.42 W/kg



0 dB = 20.3 W/kg

## Dt&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.105$  S/m;  $\epsilon_r = 34.354$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.95, 4.95, 4.95); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-09; Ambient Temp: 20.7; Tissue Temp: 21.0

### **5 600 MHz System Verification (100 mW)**

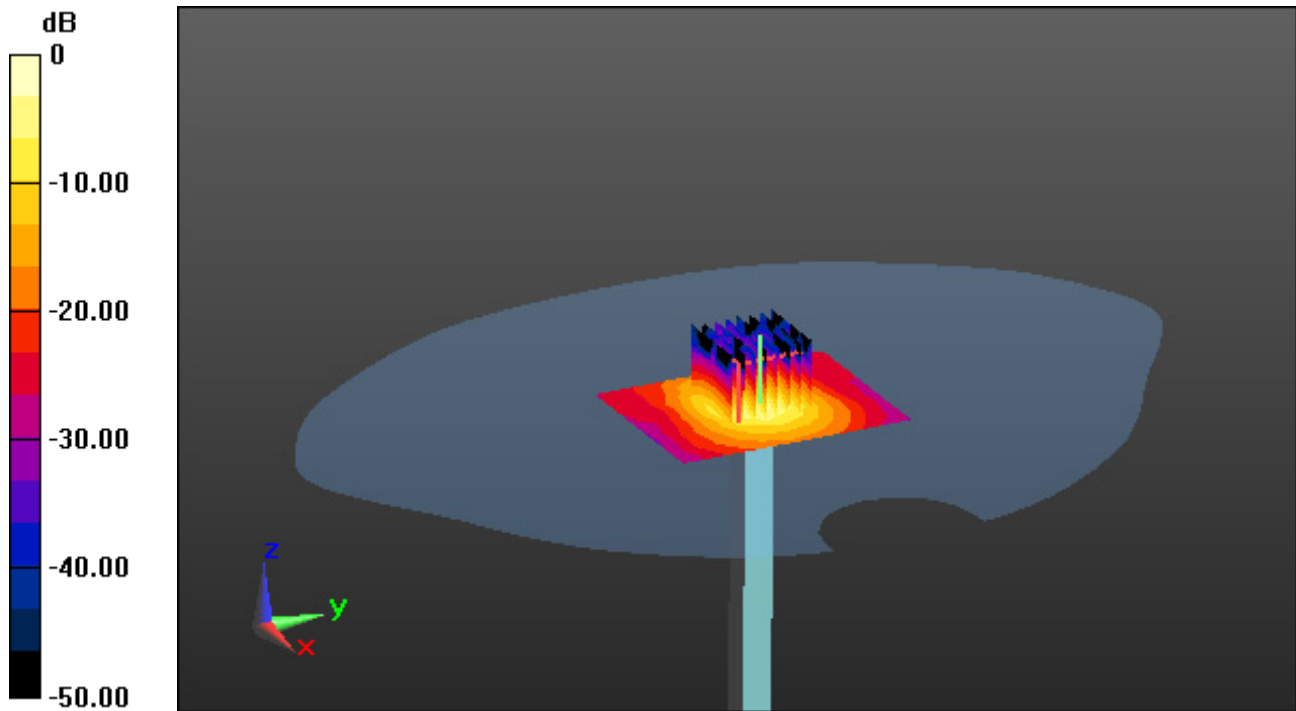
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 36.6 W/kg

SAR(1 g) = 8.66 W/kg; SAR(10 g) = 2.51 W/kg



## **Dt&C Co., Ltd.**

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.387$  S/m;  $\epsilon_r = 34.607$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-10; Ambient Temp: 20.8; Tissue Temp: 20.5

### **5 800 MHz System Verification (100 mW)**

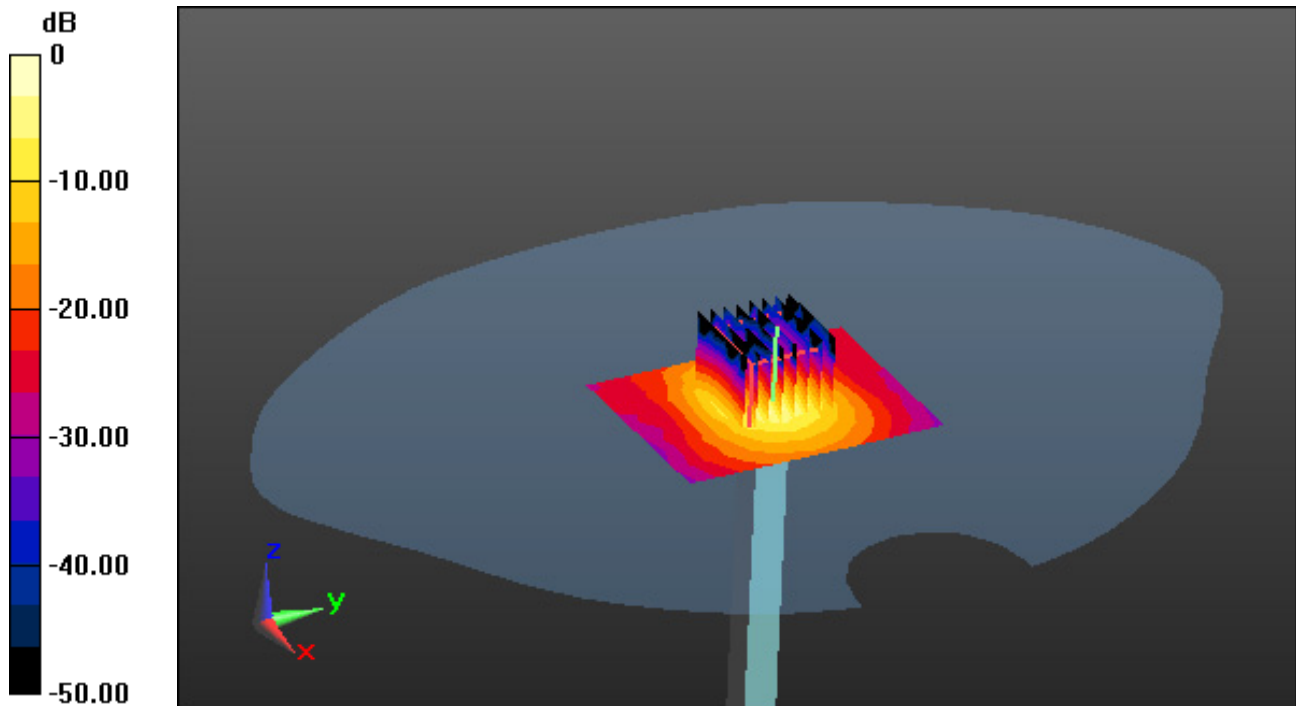
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 36.82 W/kg

SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.42 W/kg



0 dB = 20.6 W/kg

## **Dt&C Co., Ltd.**

### **DUT: EF550; Type: Bar**

Communication System: UID 0, WLAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.836$  S/m;  $\epsilon_r = 38.034$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.43, 4.96, 5.03); Calibrated: 1/22/2023 Electronics: DAE4 Sn1453  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-10; Ambient Temp: 22.0; Tissue Temp: 22.1

### **2.5 cm space from Body, Rear, WLAN(802.11b) Ch. 6, Ant Internal, Ant.1**

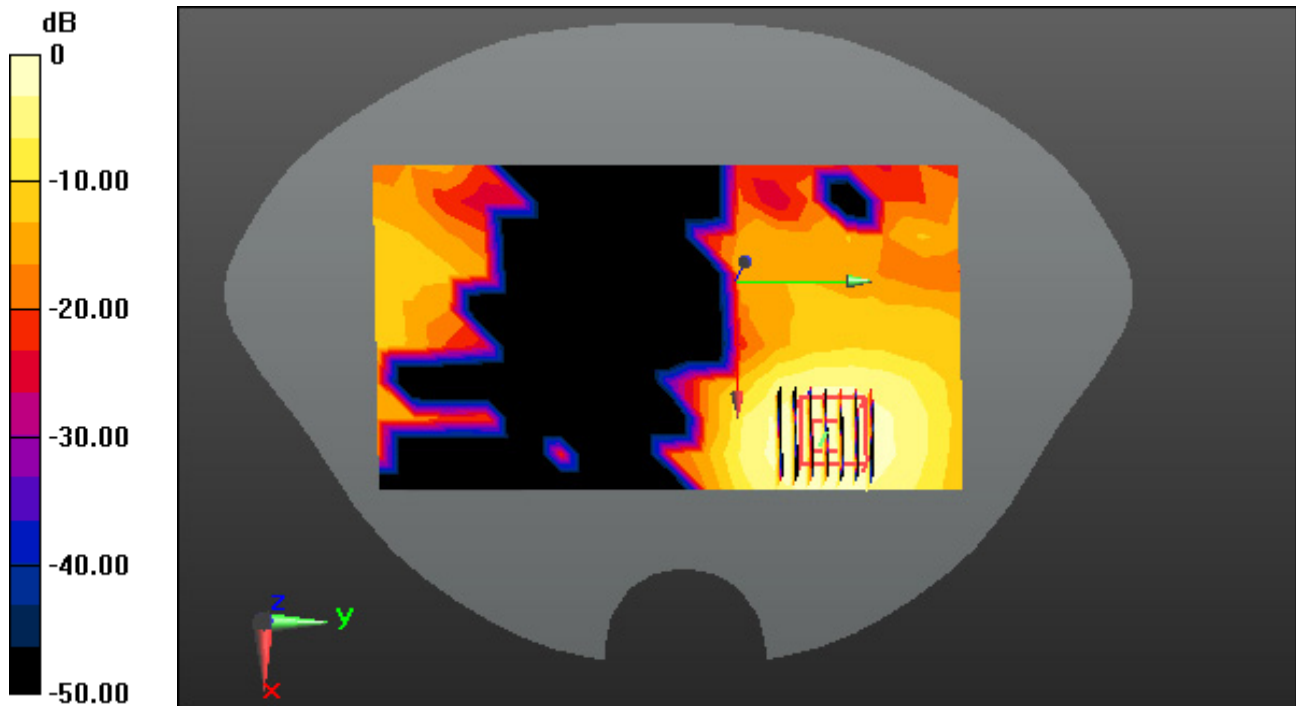
**Area Scan (10x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.0320 W/kg

**SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00959 W/kg**



0 dB = 0.0200 W/kg

## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, WLAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.805 \text{ S/m}$ ;  $\epsilon_r = 38.13$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.43, 4.96, 5.03); Calibrated: 1/22/2023 Electronics: DAE4 Sn1453  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-10; Ambient Temp: 22.0; Tissue Temp: 22.1

**2.5 cm space from Body, Rear, WLAN(802.11b) Ch. 1, Ant Internal, Ant.2**

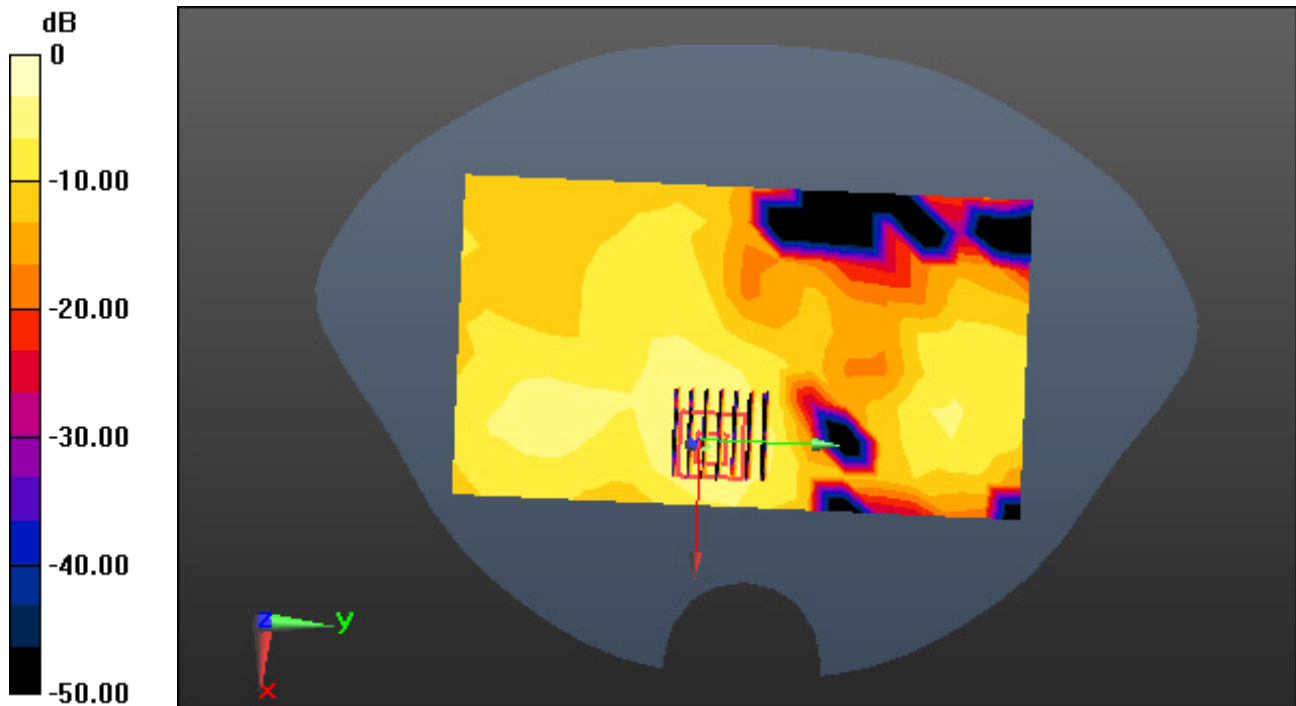
**Area Scan (10x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0133 W/kg

**SAR(1 g) = 0.00793 W/kg; SAR(10 g) = 0.00461 W/kg**



0 dB = 0.0268 W/kg

## Dt&C Co., Ltd.

### **DUT: EF550; Type: Bar**

Communication System: UID 0, WLAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.805 \text{ S/m}$ ;  $\epsilon_r = 38.13$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(5.43, 4.96, 5.03); Calibrated: 1/22/2023 Electronics: DAE4 Sn1453

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-10; Ambient Temp: 22.0; Tissue Temp: 22.1

### **2.5 cm space from Body, Rear, WLAN(802.11g) Ch. 1, Ant Internal, MIMO**

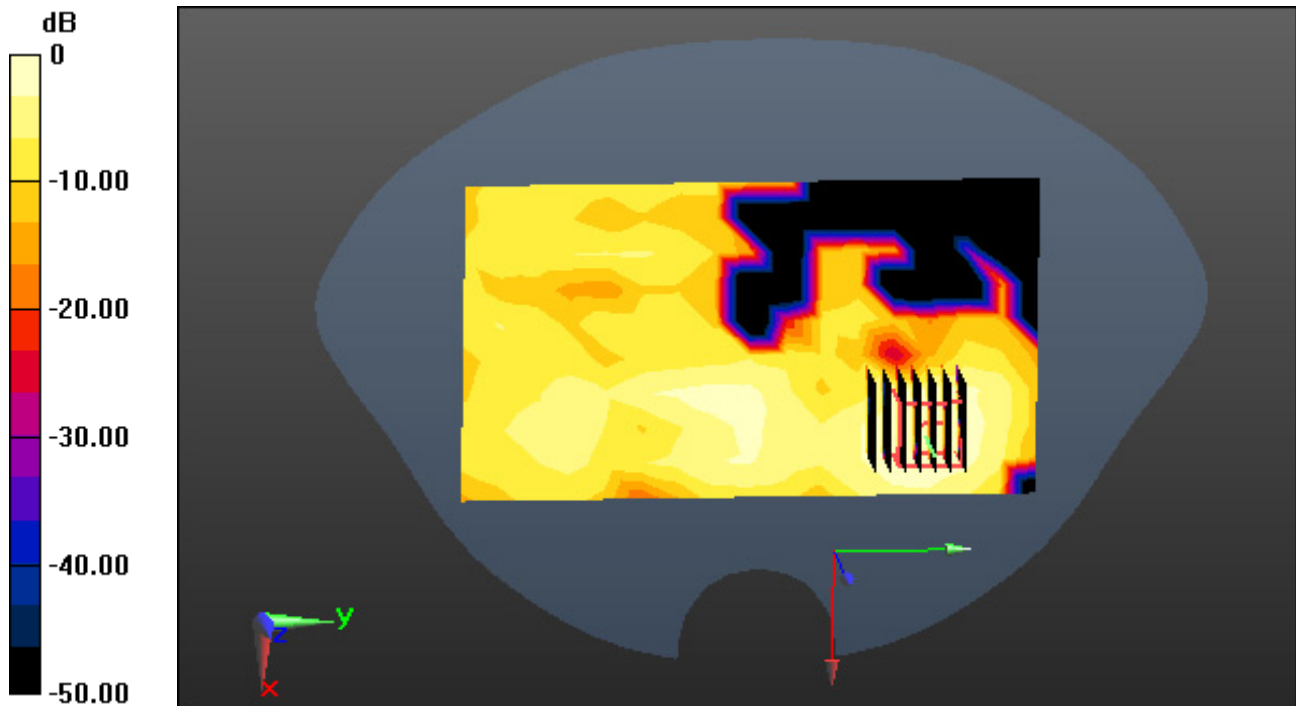
**Area Scan (10x17x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0379 W/kg

**SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00517 W/kg**



## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 4.878 \text{ S/m}$ ;  $\epsilon_r = 35.868$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.41, 5.41, 5.41); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-08; Ambient Temp: 20.5; Tissue Temp: 20.3

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 64, Ant Internal, Ant.1**

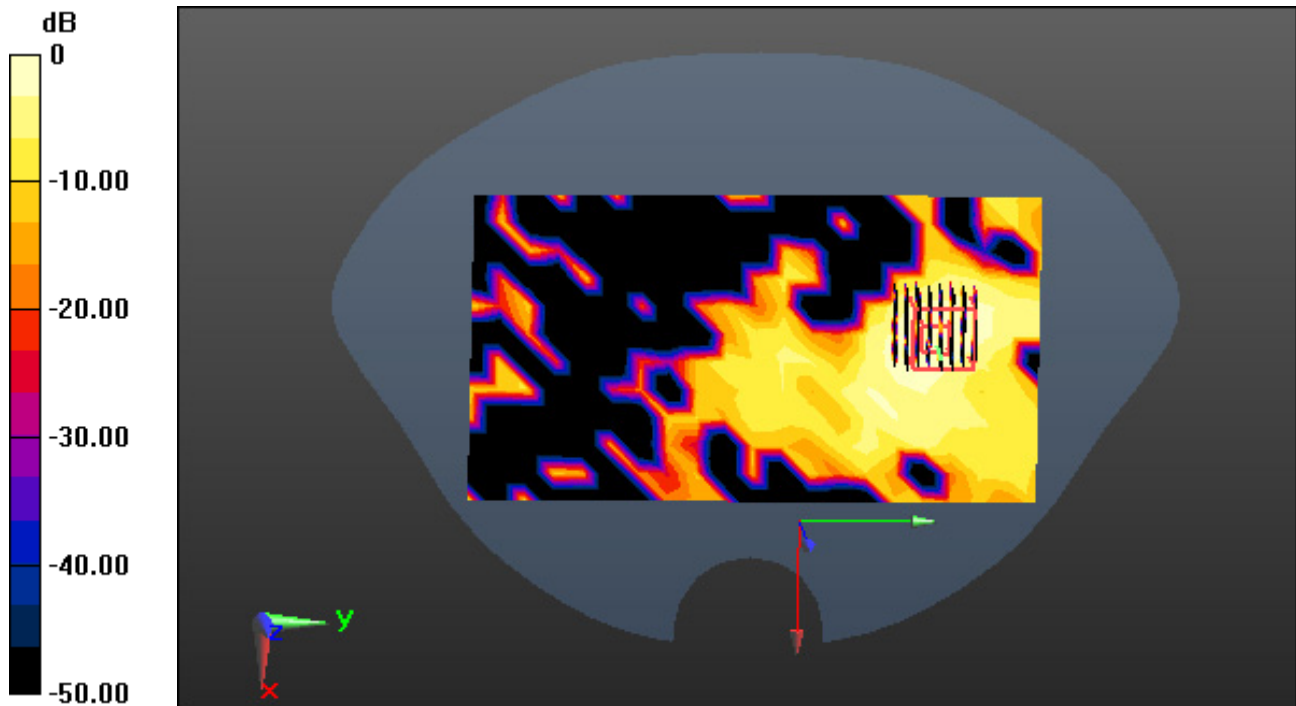
**Area Scan (12x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0420 W/kg

**SAR(1 g) = 0.00596 W/kg; SAR(10 g) = 0.00321 W/kg**



0 dB = 0.0176 W/kg

## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.2G(802.11a/n/ac) (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 4.698 \text{ S/m}$ ;  $\epsilon_r = 36.147$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.64, 5.64, 5.64); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-08; Ambient Temp: 20.5; Tissue Temp: 20.3

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 36, Ant Internal, Ant.2**

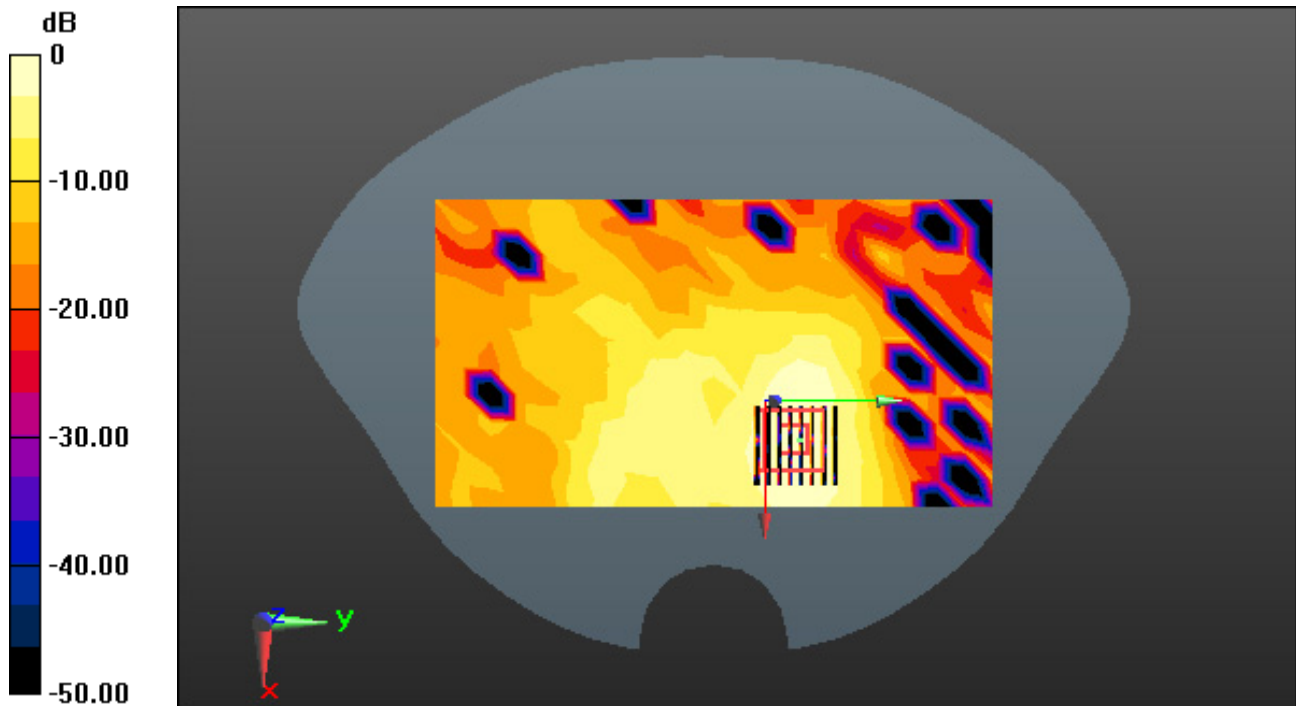
**Area Scan (12x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.122 W/kg

**SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.013 W/kg**



0 dB = 0.0780 W/kg

## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.2G(802.11a/n/ac) (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 4.698 \text{ S/m}$ ;  $\epsilon_r = 36.147$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.64, 5.64, 5.64); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-08; Ambient Temp: 20.5; Tissue Temp: 20.3

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 36, Ant Internal, MIMO**

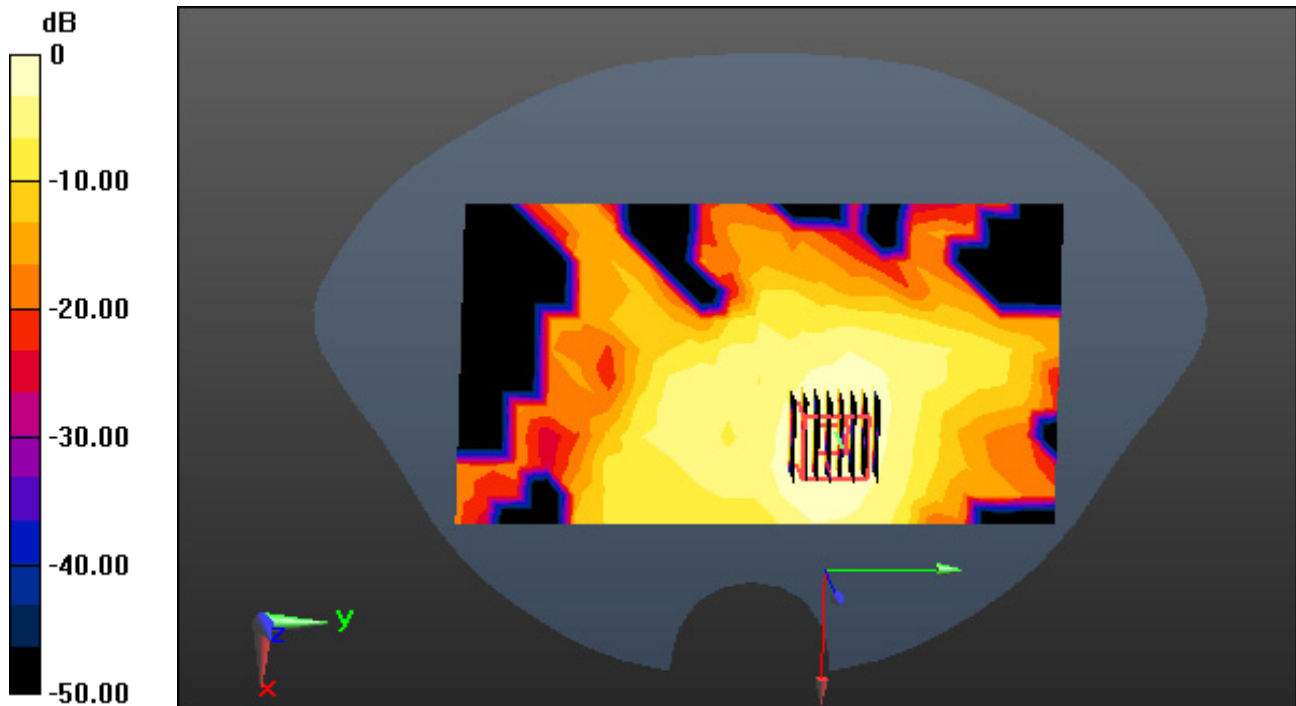
**Area Scan (12x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.015 W/kg**



0 dB = 0.0963 W/kg

## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.078 \text{ S/m}$ ;  $\epsilon_r = 34.387$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.95, 4.95, 4.95); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-09; Ambient Temp: 20.7; Tissue Temp: 21.0

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 116, Ant Internal, Ant.1**

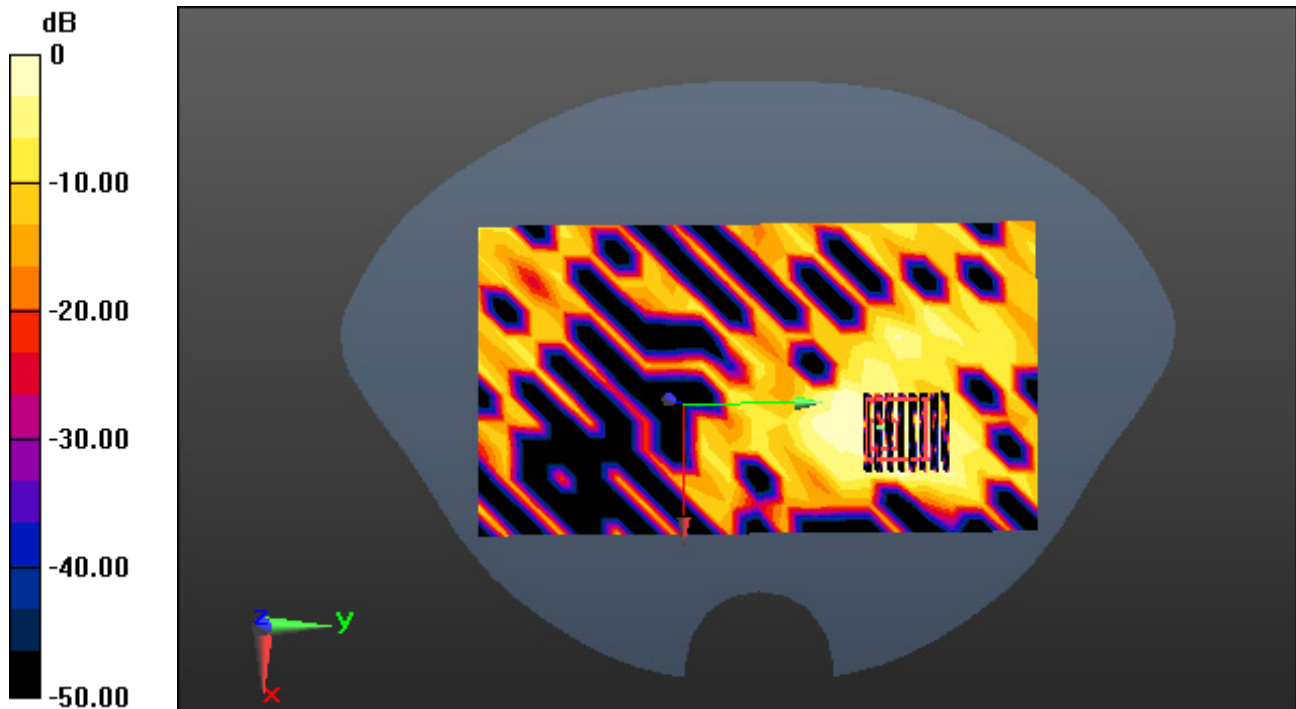
**Area Scan (12x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.156 W/kg

**SAR(1 g) = 0.00882 W/kg; SAR(10 g) = 0.00316 W/kg**



## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500 \text{ MHz}$ ;  $\sigma = 4.98 \text{ S/m}$ ;  $\epsilon_r = 34.567$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.05, 5.05, 5.05); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-09; Ambient Temp: 20.7; Tissue Temp: 21.0

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 100, Ant Internal, Ant.2**

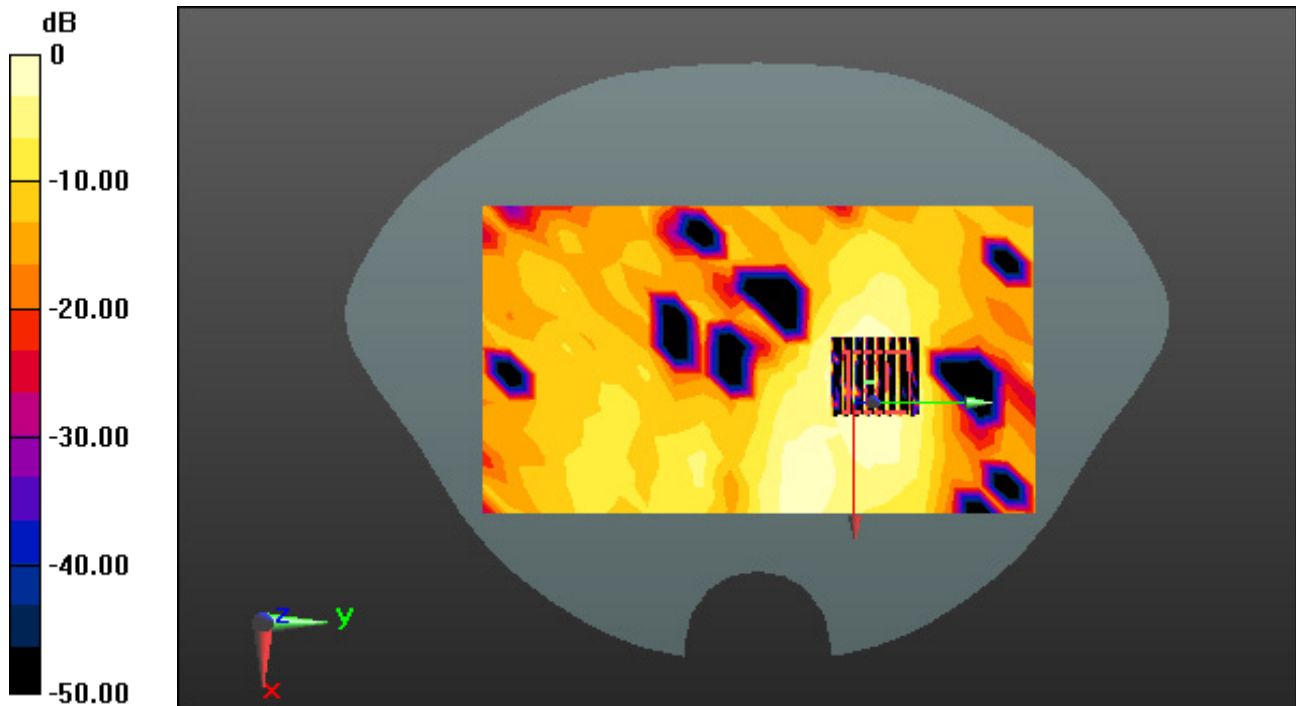
**Area Scan (12x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio: 1.4

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.119 W/kg

**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.00992 W/kg**



0 dB = 0.0693 W/kg

## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.98$  S/m;  $\epsilon_r = 34.567$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.05, 5.05, 5.05); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-09; Ambient Temp: 20.7; Tissue Temp: 21.0

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 100, Ant Internal, MIMO**

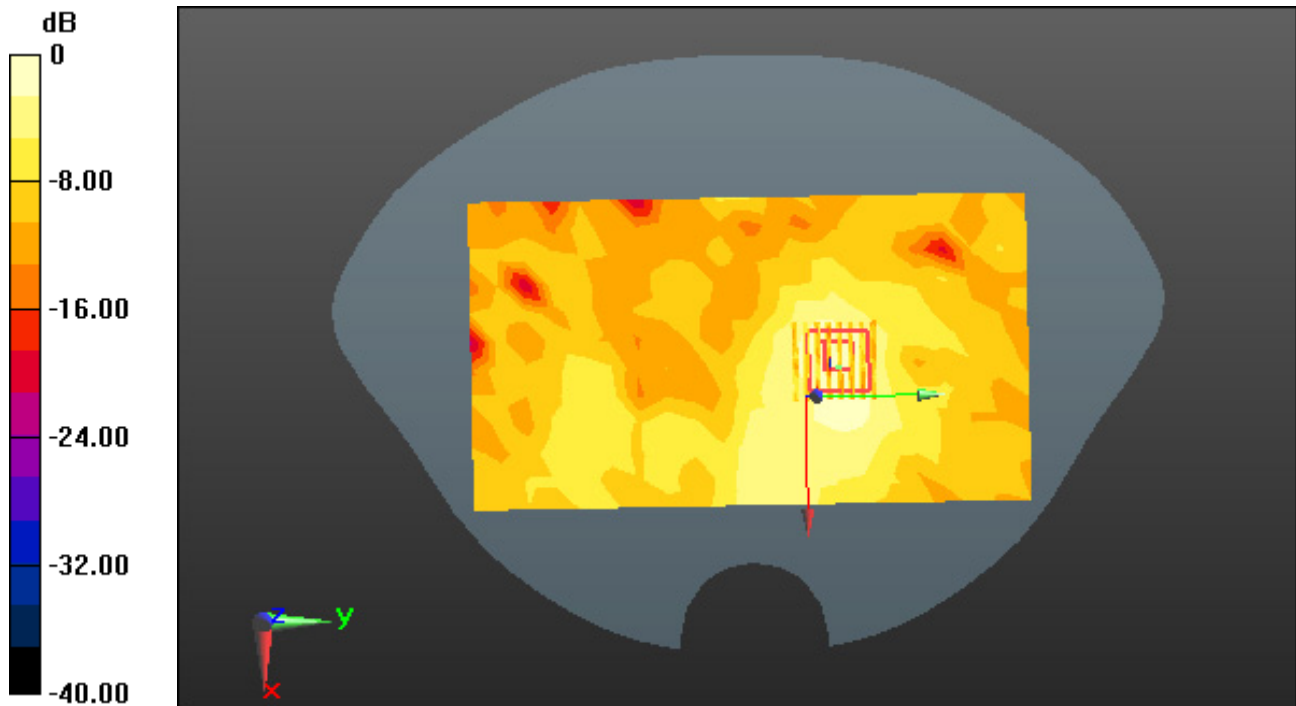
**Area Scan (12x21x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.243 W/kg

**SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.028 W/kg**



0 dB = 0.122 W/kg

## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.416 \text{ S/m}$ ;  $\epsilon_r = 34.568$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-10; Ambient Temp: 20.8; Tissue Temp: 20.5

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.1**

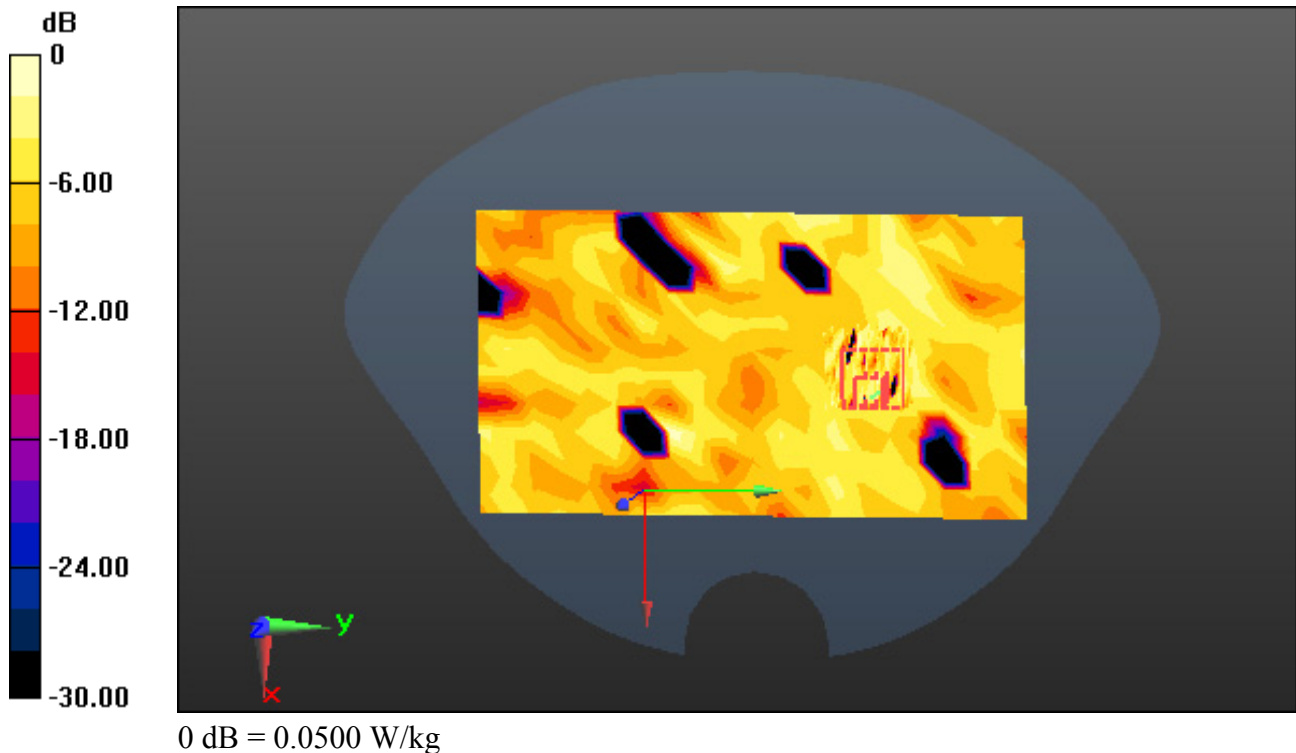
**Area Scan (12x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.017 W/kg**



## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.416 \text{ S/m}$ ;  $\epsilon_r = 34.568$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-10; Ambient Temp: 20.8; Tissue Temp: 20.5

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.2**

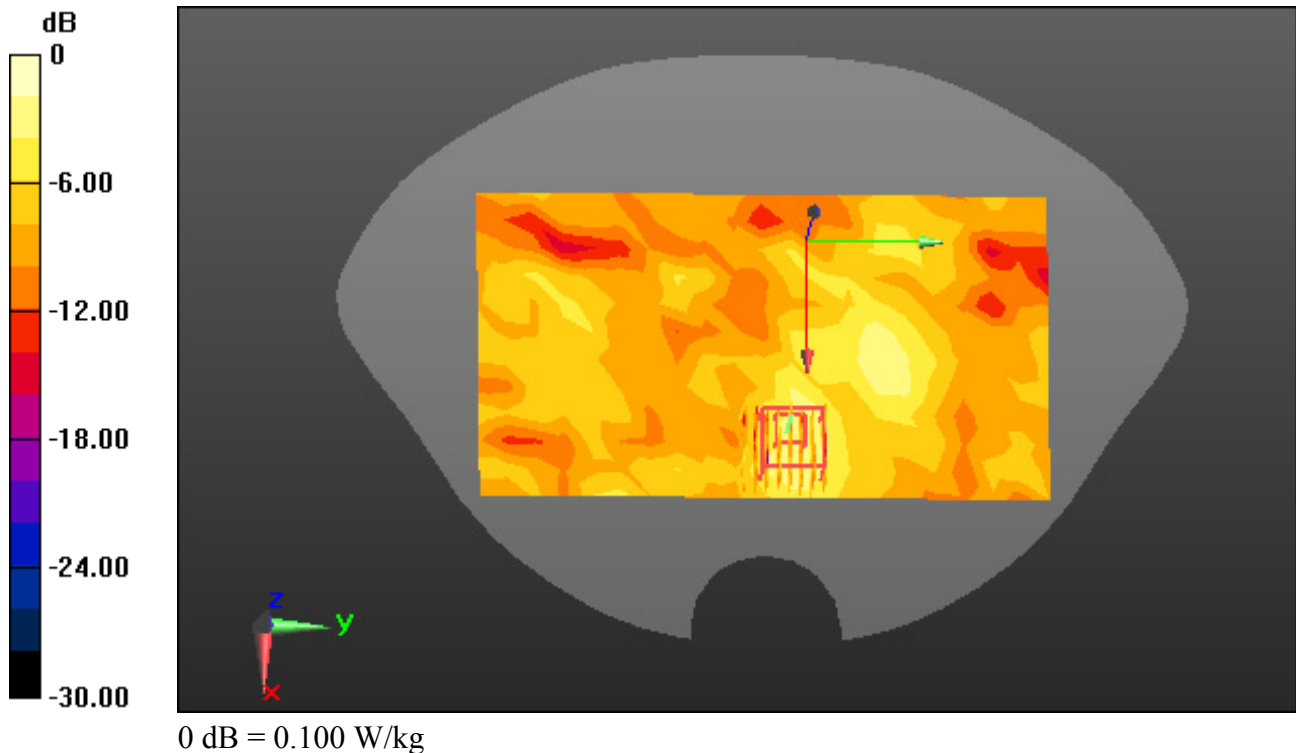
**Area Scan (12x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0940 W/kg

**SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.020 W/kg**



## Dt&C Co., Ltd.

**DUT: EF550; Type: Bar**

Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.416 \text{ S/m}$ ;  $\epsilon_r = 34.568$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 7/25/2022 Electronics: DAE4 Sn1394

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin right\_2022-03-18; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-10; Ambient Temp: 20.8; Tissue Temp: 20.5

**2.5 cm space from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, MIMO**

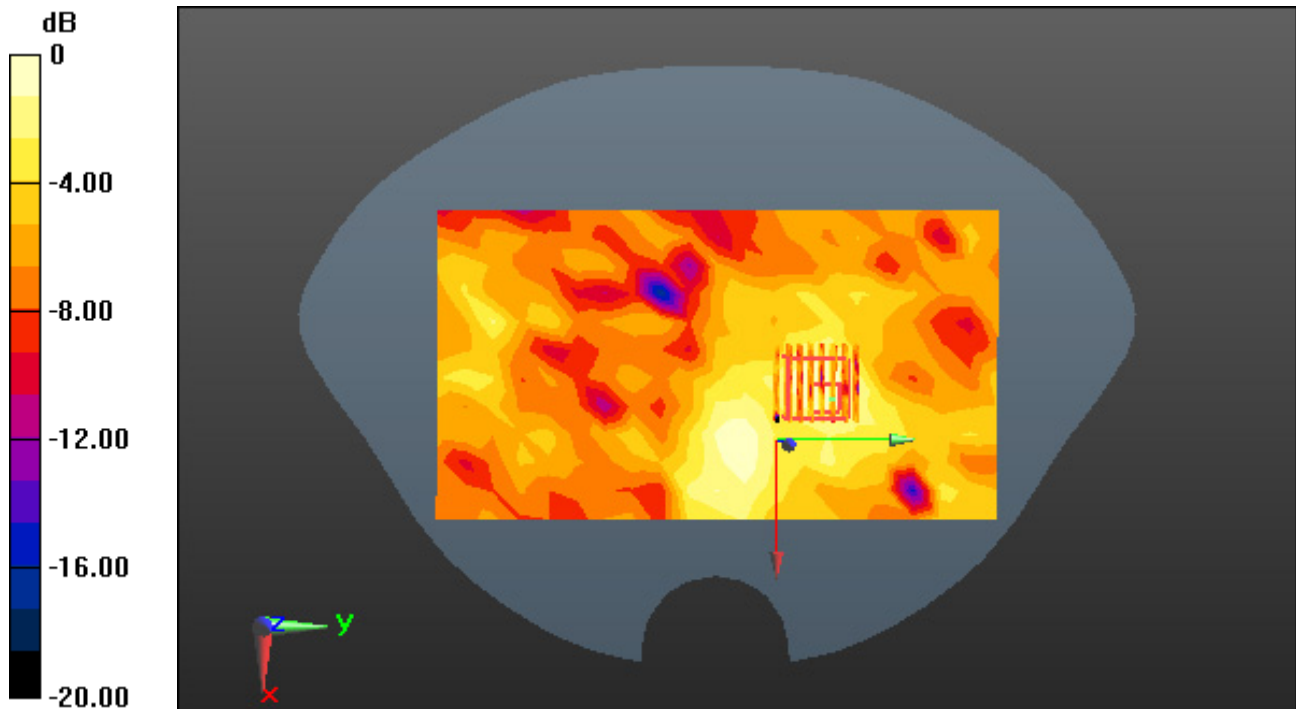
**Area Scan (12x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ , Graded Ratio:1.4

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.021 W/kg**



0 dB = 0.0664 W/kg

## DT&C Co., Ltd.

### **DUT: RFR901; Type: Gun**

Communication System: UID 0, RFID(FCC) (0); Frequency: 915.75 MHz; Duty Cycle: 1:1.517

Medium parameters used:  $f = 915.75 \text{ MHz}$ ;  $\sigma = 0.999 \text{ S/m}$ ;  $\epsilon_r = 42.273$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.73, 6.29, 6.19); Calibrated: 1/22/2023 Electronics: DAE4 Sn1453

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-08; Ambient Temp: 22.0; Tissue Temp: 21.8

### **Touch from Body, Right, RFID Ch. 26, Ant Internal**

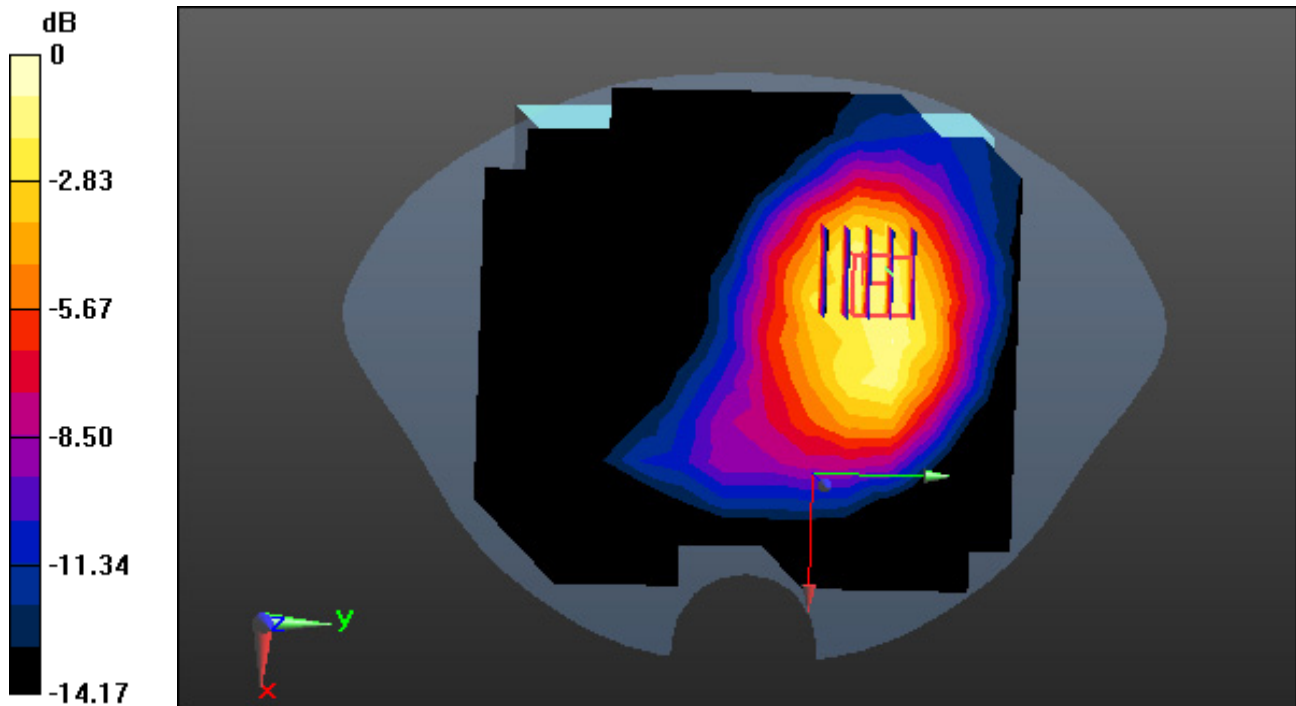
**Area Scan (13x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.30 W/kg

**SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.768 W/kg**



0 dB = 1.67 W/kg

## DT&C Co., Ltd.

### **DUT: RFR901; Type: Gun**

Communication System: UID 0, RFID (0); Frequency: 915.25 MHz; Duty Cycle: 1:1.517

Medium parameters used:  $f = 915.25$  MHz;  $\sigma = 0.999$  S/m;  $\epsilon_r = 42.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.73, 6.29, 6.19); Calibrated: 1/22/2023 Electronics: DAE4 Sn1453

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM\_Right\_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2023-03-08; Ambient Temp: 22.0; Tissue Temp: 21.8

### **Touch from Body, Right, RFID Ch. 26, Ant Internal**

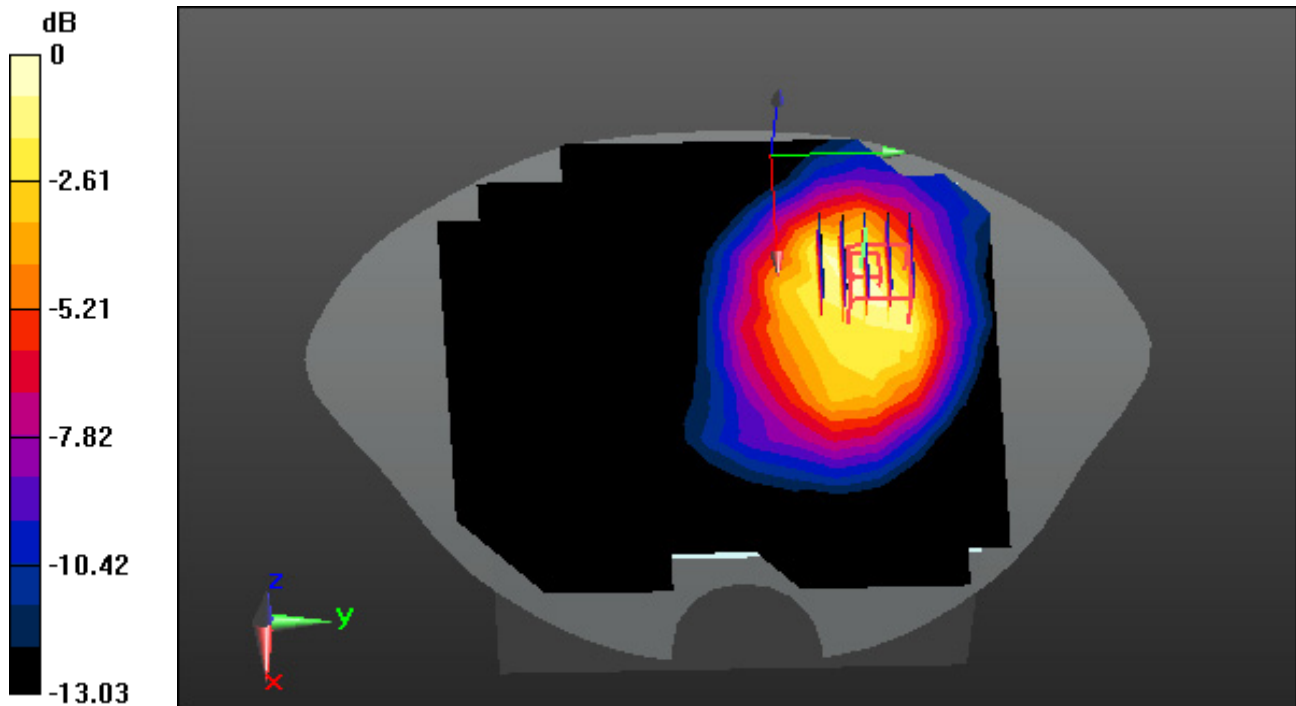
**Area Scan (13x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.713 W/kg**



0 dB = 1.48 W/kg