

## SAR Plots

- Verification Plots
- SAR Test Plots

## DT&C Co., Ltd.

**DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN1049**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.898$  S/m;  $\epsilon_r = 41.798$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.64, 6.64, 6.64) @ 750 MHz; Calibrated: 2019-08-27  
Electronics: DAE4 Sn1394

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: 2020-06-13; Ambient Temp: 21.1; Tissue Temp: 20.9

### **750 MHz System Head Verification (250 mW)**

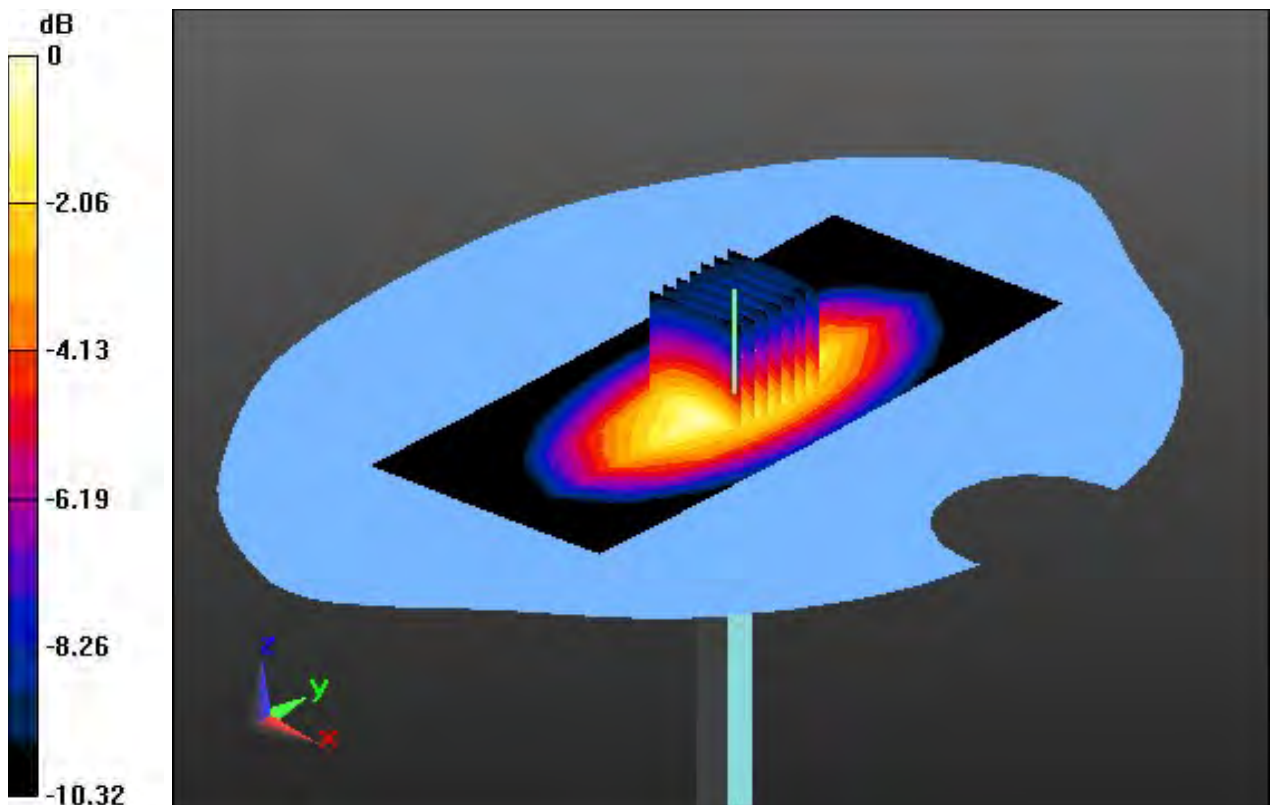
**Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.33 W/kg

**SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.48 W/kg**



0 dB = 2.65 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN1049**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.962$  S/m;  $\epsilon_r = 57.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49) @ 750 MHz; Calibrated: 2019-08-27  
Electronics: DAE4 Sn1394

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: 2020-06-14; Ambient Temp: 21.0; Tissue Temp: 20.8

### **750 MHz System Body Verification (250 mW)**

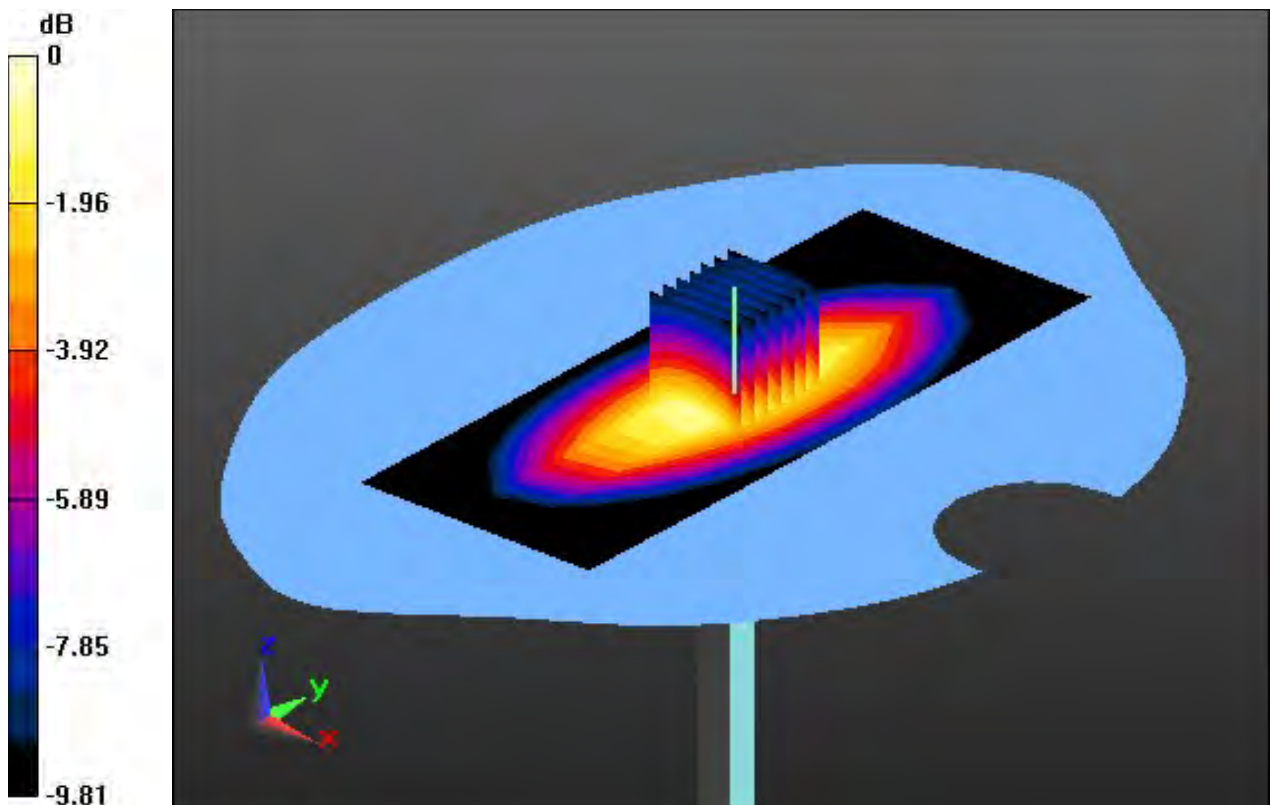
**Area Scan (6x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.42 W/kg



0 dB = 2.46 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN464**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 42.885$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.35, 10.35, 10.35) @ 835 MHz; Calibrated: 2019-11-27  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-15; Ambient Temp: 21.3; Tissue Temp: 21.2

### **835 MHz System Head Verification (250 mW)**

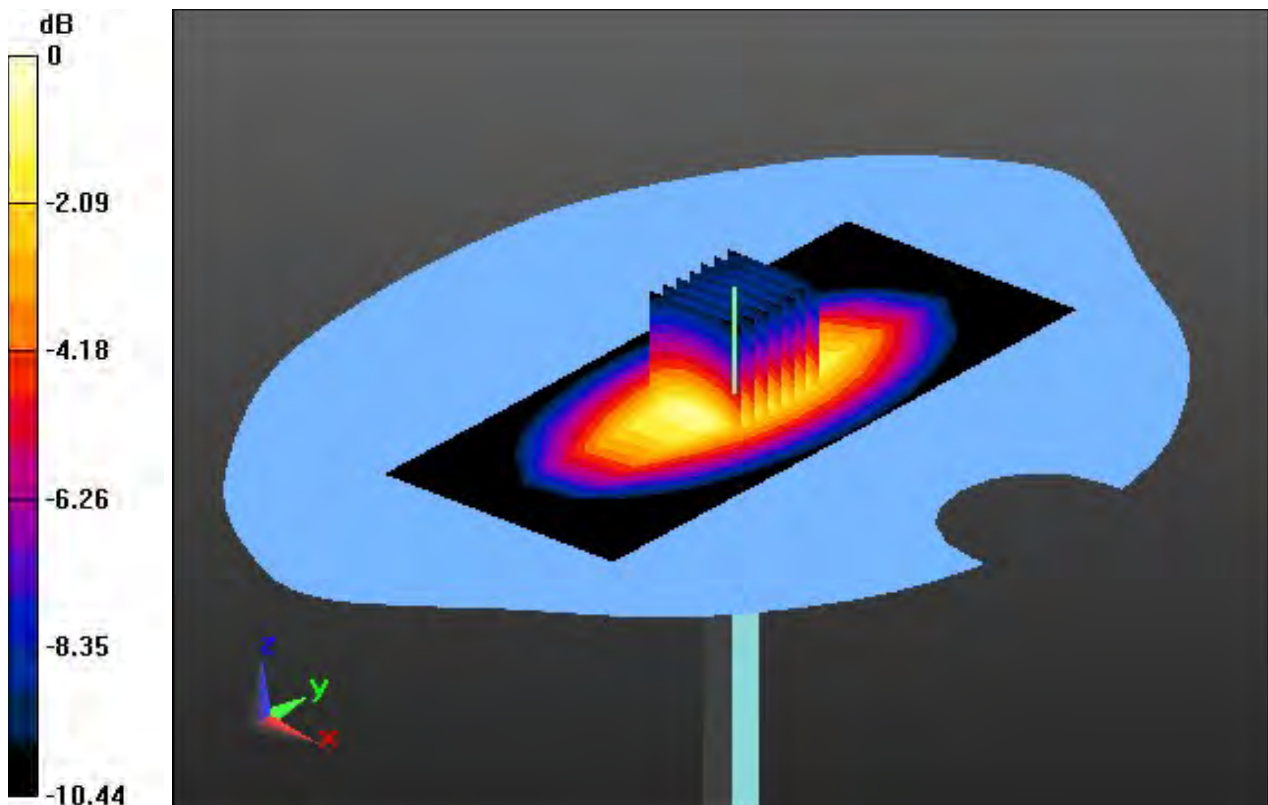
**Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.47 W/kg

SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.53 W/kg



0 dB = 2.94 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN464**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.986$  S/m;  $\epsilon_r = 55.535$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.6, 10.6, 10.6) @ 835 MHz; Calibrated: 2019-11-27  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-12; Ambient Temp: 21.2; Tissue Temp: 21.0

### **835 MHz System Body Verification (250 mW)**

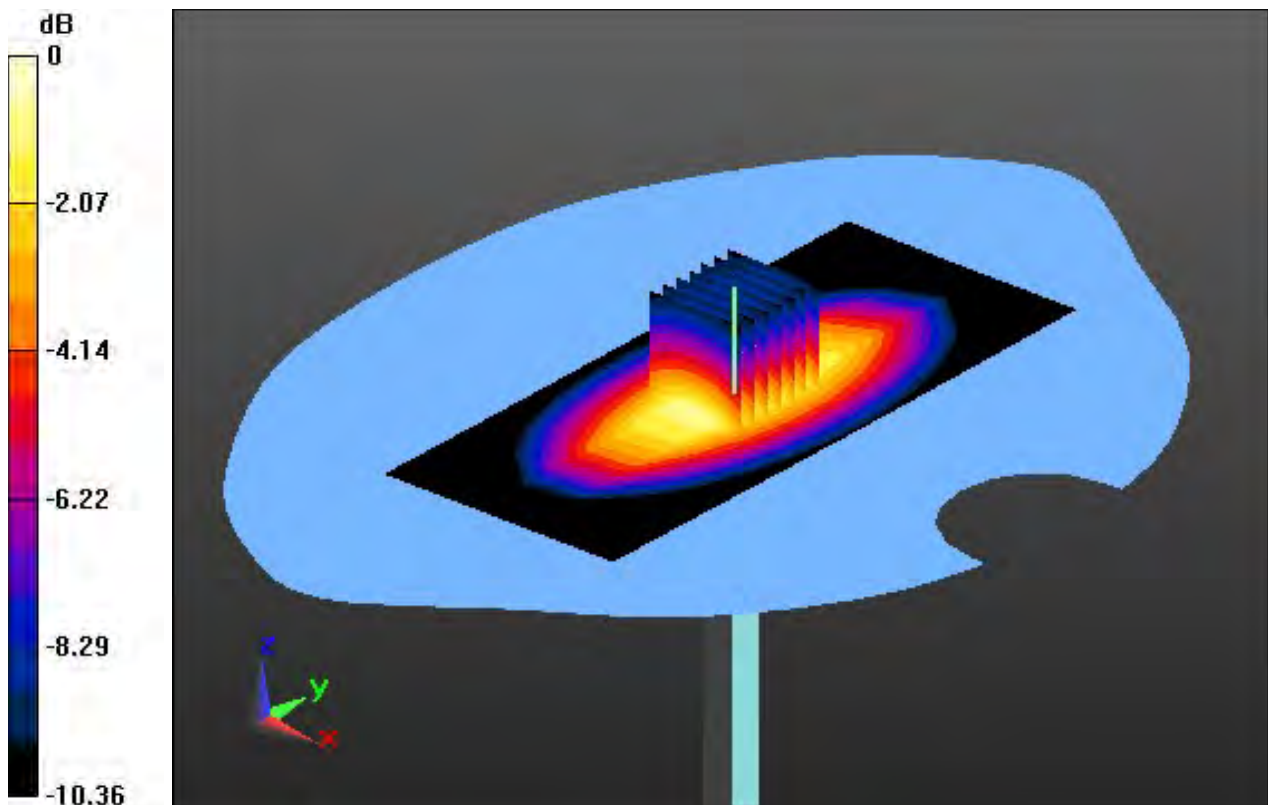
**Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.47 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.56 W/kg



0 dB = 2.97 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.441$  S/m;  $\epsilon_r = 39.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.34, 5.34, 5.34); Calibrated: 3/25/2020 Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-22; Ambient Temp: 20.5; Tissue Temp: 20.6

### **1800 MHz System Head Verification (100 mW)**

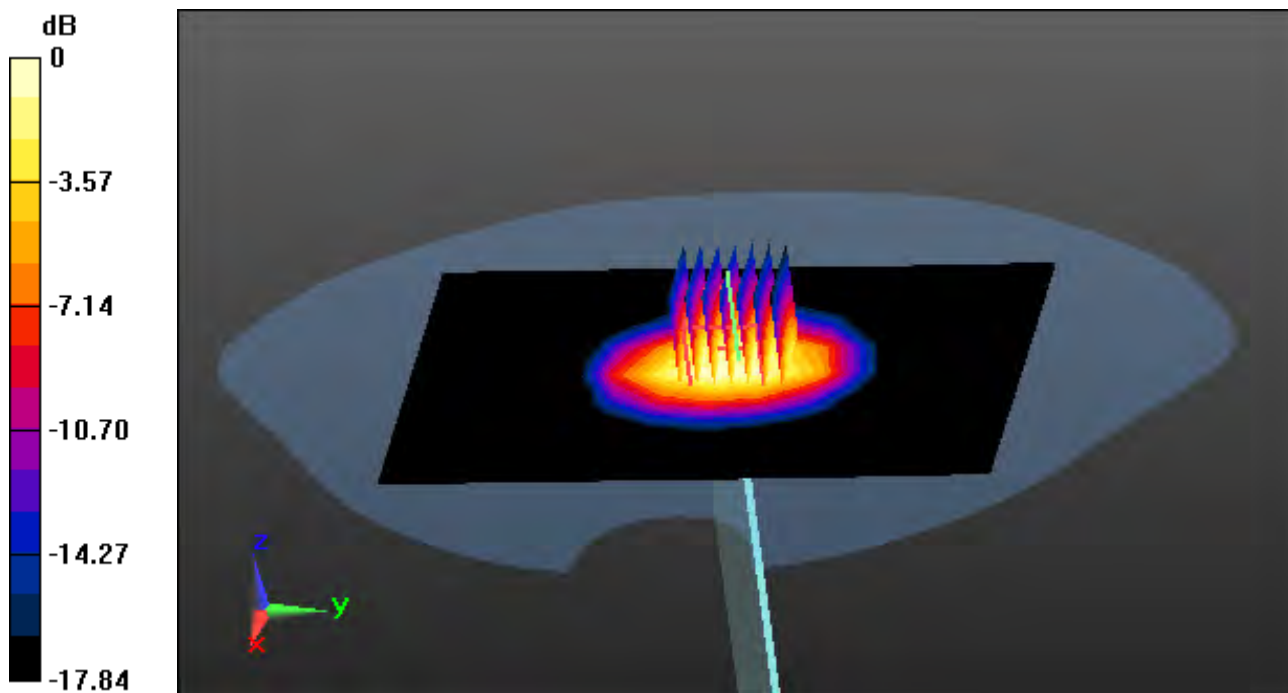
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.51 W/kg

**SAR(1 g) = 3.87 W/kg; SAR(10 g) = 2.05 W/kg**



0 dB = 1.01 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.566$  S/m;  $\epsilon_r = 51.379$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.98, 4.98, 4.98); Calibrated: 3/25/2020 Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.4; Tissue Temp: 20.3

### **1800 MHz System Body Verification (100 mW)**

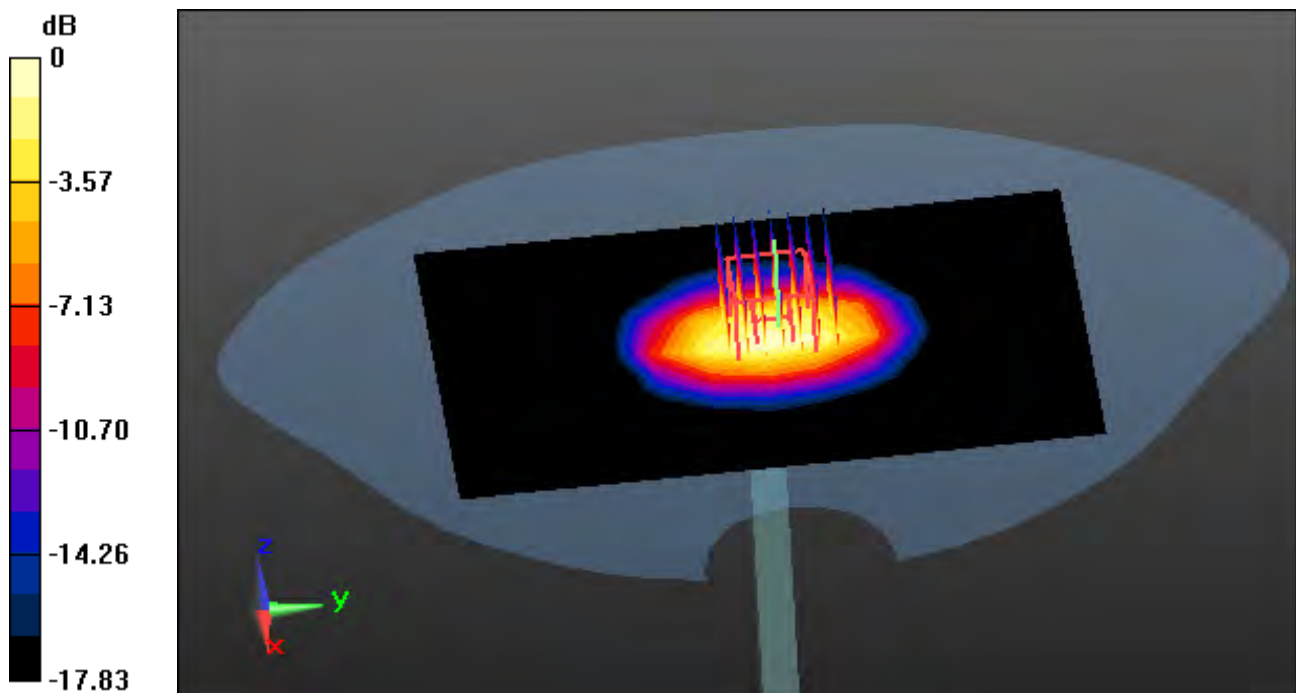
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 6.02 W/kg

**SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.07 W/kg**



0 dB = 4.25 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.432$  S/m;  $\epsilon_r = 40.573$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.9; Tissue Temp: 20.4

### **1900 MHz System Head Verification (100 mW)**

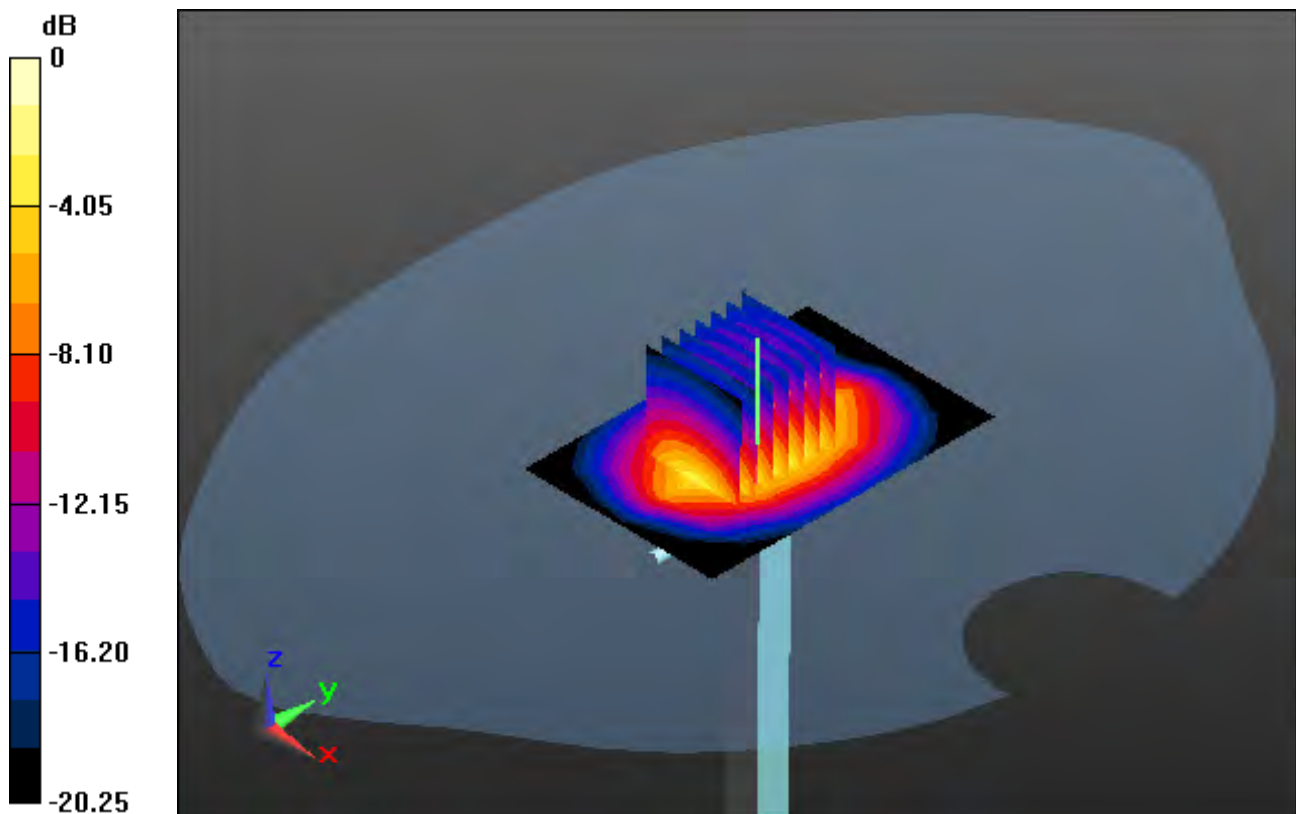
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.9 W/kg

**SAR(1 g) = 4.16 W/kg; SAR(10 g) = 2.18 W/kg**



0 dB = 5.28 W/kg



## DT&C Co., Ltd.

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.523$  S/m;  $\epsilon_r = 53.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.15, 8.15, 8.15); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2019-06-22; Ambient Temp: 20.7; Tissue Temp: 21.1

### **1900 MHz System Body Verification (100 mW)**

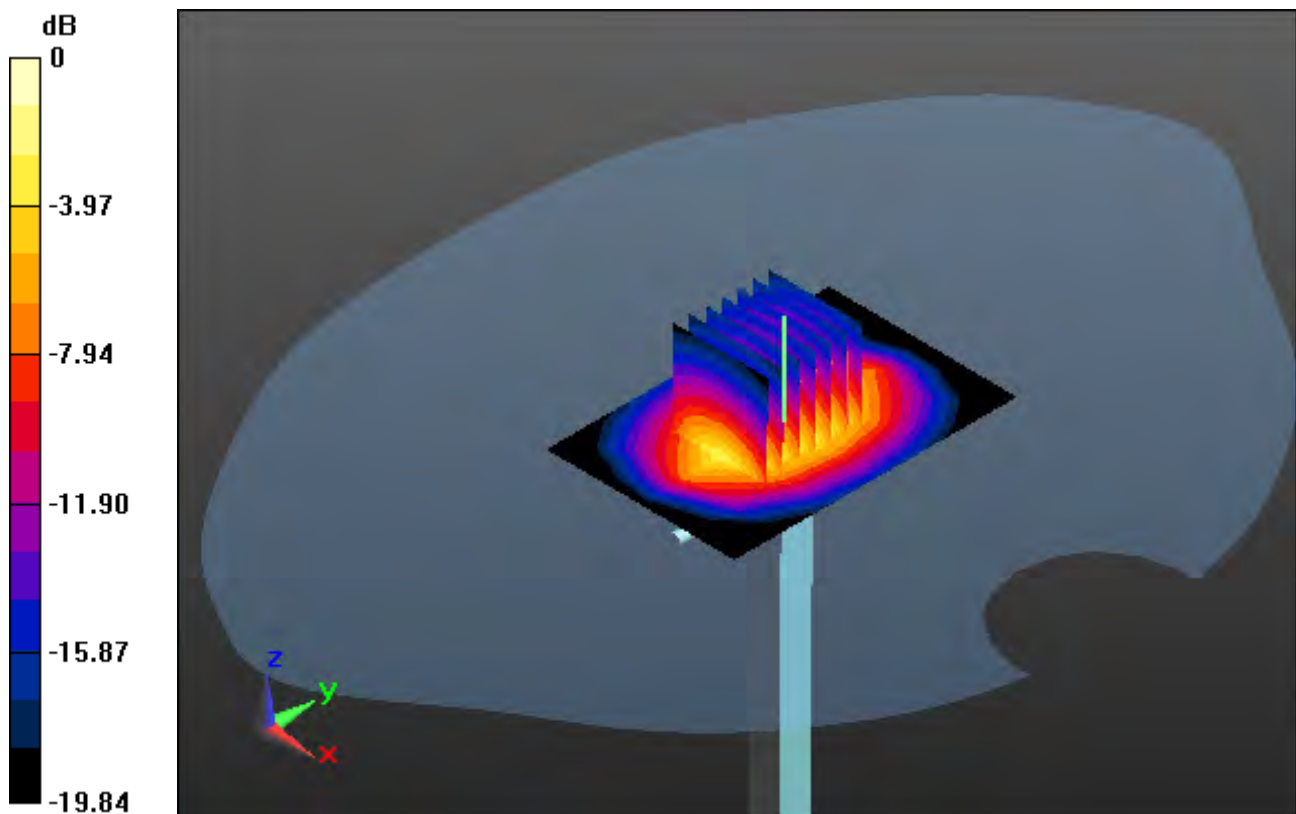
**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 8.83 W/kg

**SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.15 W/kg**



0 dB = 6.71 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.861$  S/m;  $\epsilon_r = 39.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.2, 7.2, 7.2); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-14; Ambient Temp: 21.4; Tissue Temp: 21.2

### **2450 MHz System Head Verification (100 mW)**

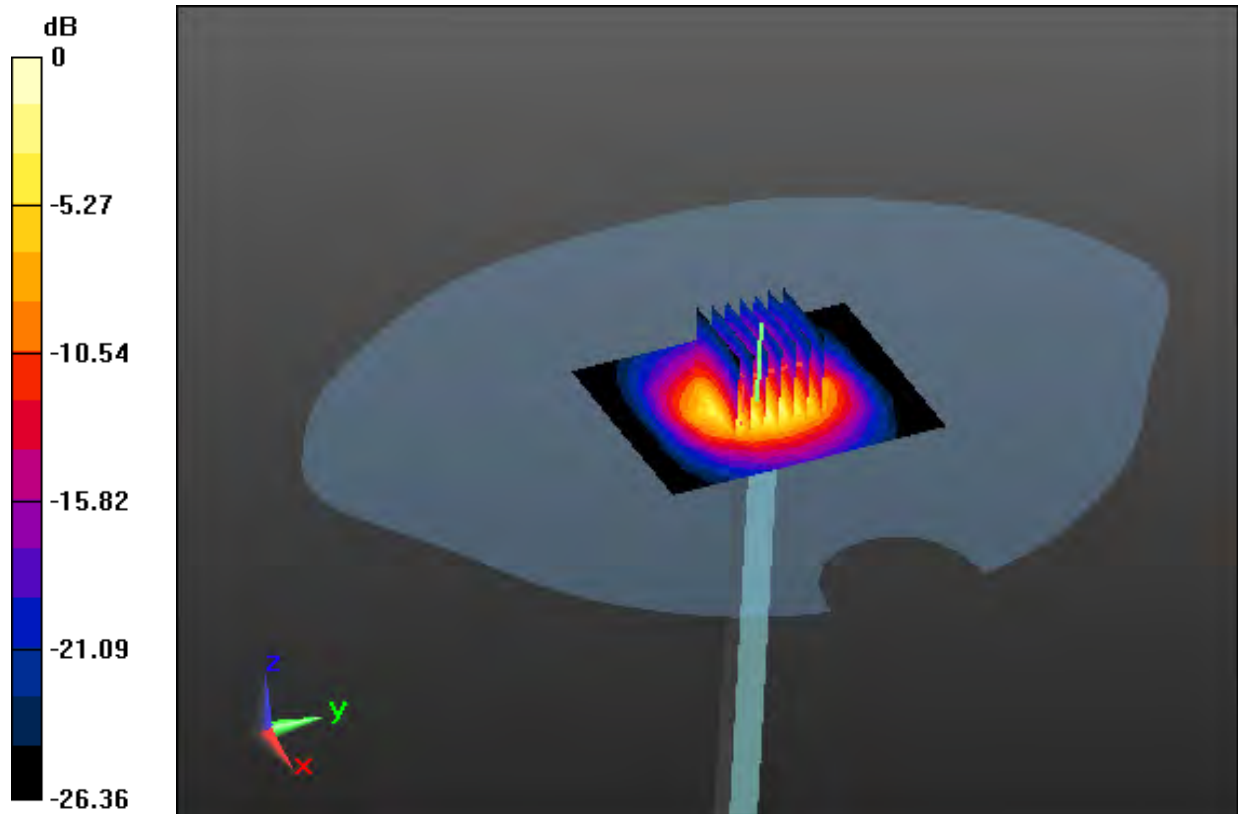
**Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 11.2 W/kg

**SAR(1 g) = 5.3 W/kg; SAR(10 g) = 2.46 W/kg**



0 dB = 8.3 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.988$  S/m;  $\epsilon_r = 52.093$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.36, 7.36, 7.36); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-16; Ambient Temp: 20.4; Tissue Temp: 20.3

### **2450 MHz System Body Verification (100 mW)**

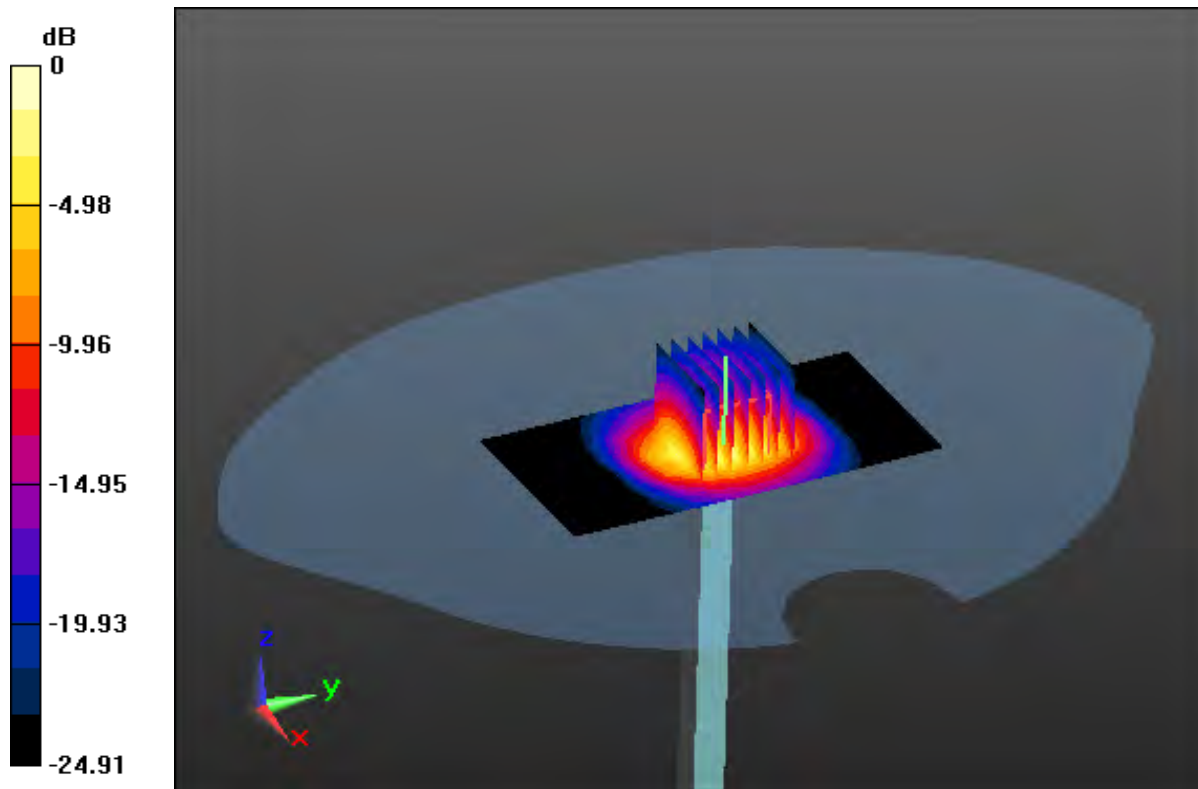
**Area Scan (7x13x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 12.2 W/kg

**SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.39 W/kg**



0 dB = 8.68 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.952$  S/m;  $\epsilon_r = 38.967$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.04, 7.04, 7.04); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-13; Ambient Temp: 21.9; Tissue Temp: 21.8

### **2600 MHz System Head Verification (100 mW)**

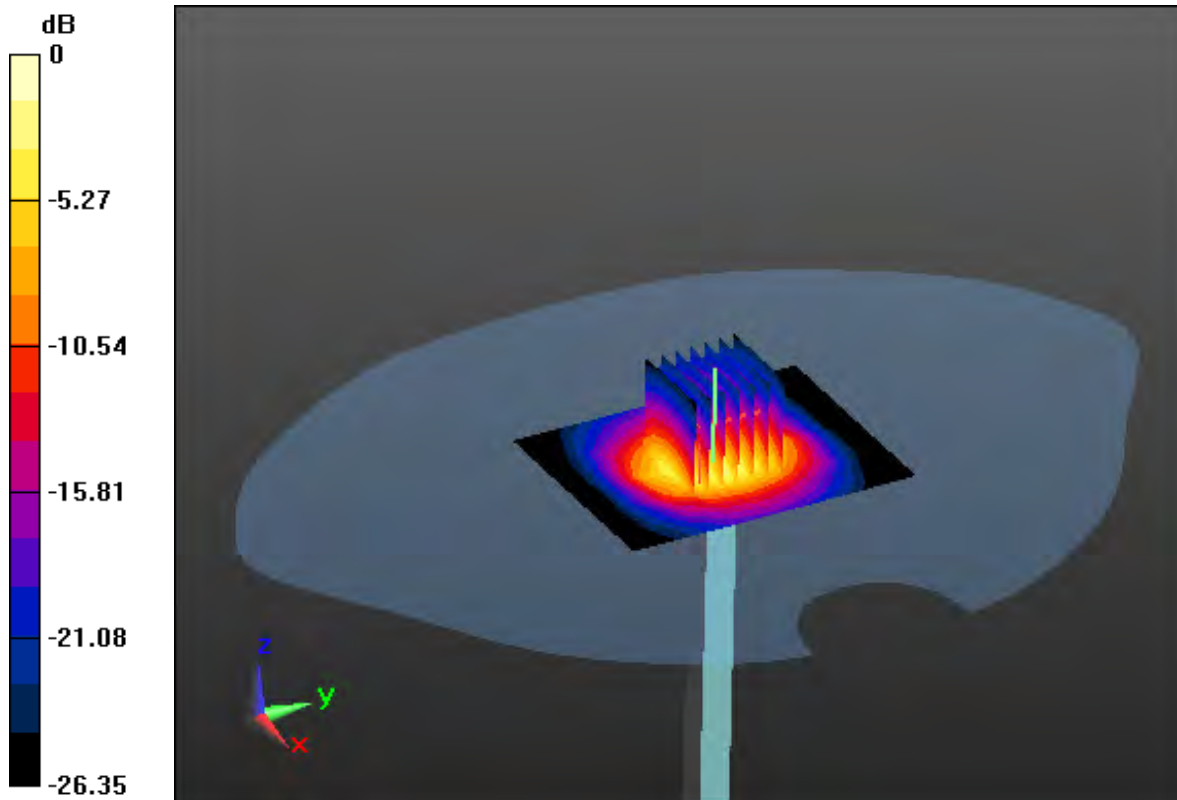
**Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 8.8 W/kg

**SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.44 W/kg**



0 dB = 12.07 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.109$  S/m;  $\epsilon_r = 51.033$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.19, 7.19, 7.19); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-17; Ambient Temp: 20.9; Tissue Temp: 20.7

### **2600 MHz System Body Verification (100 mW)**

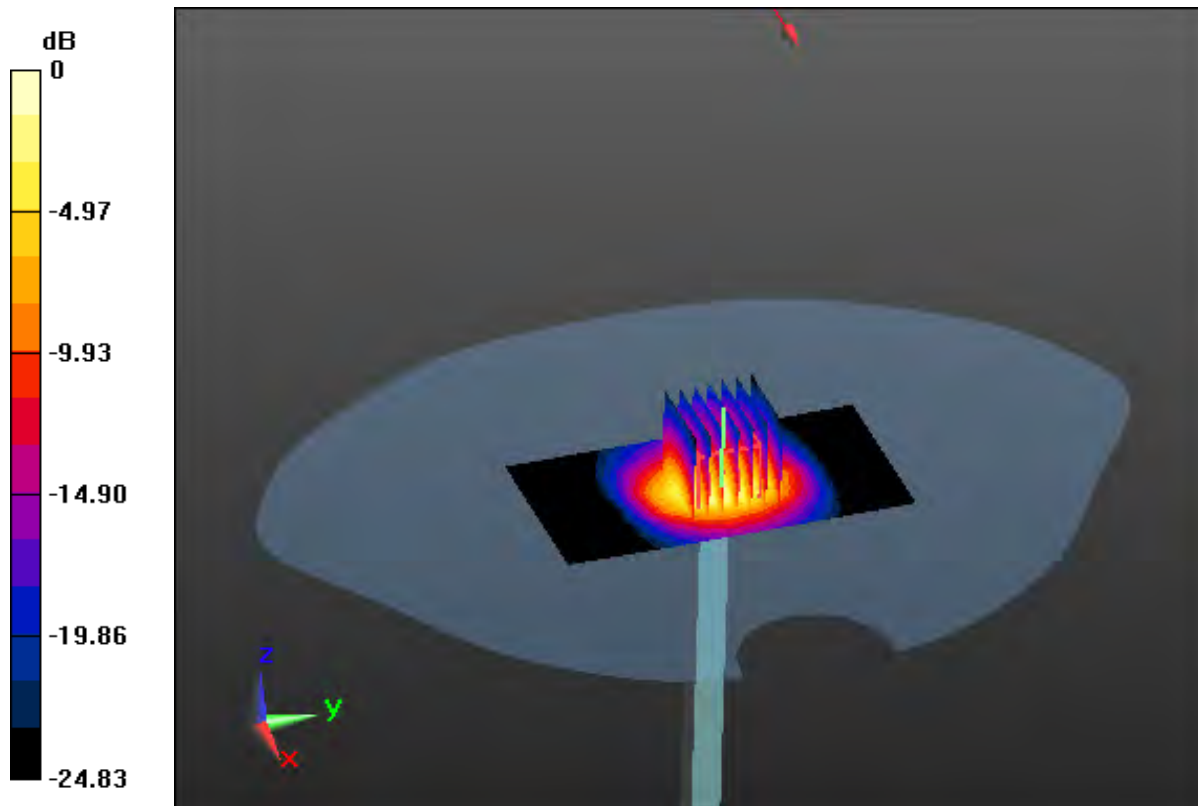
**Area Scan (7x13x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 13.03 W/kg

**SAR(1 g) = 5.91 W/kg; SAR(10 g) = 2.58 W/kg**



0 dB = 9.32 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.164$  S/m;  $\epsilon_r = 51.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.19, 7.19, 7.19); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-18; Ambient Temp: 20.4; Tissue Temp: 20.3

### **2600 MHz System Body Verification (100 mW)**

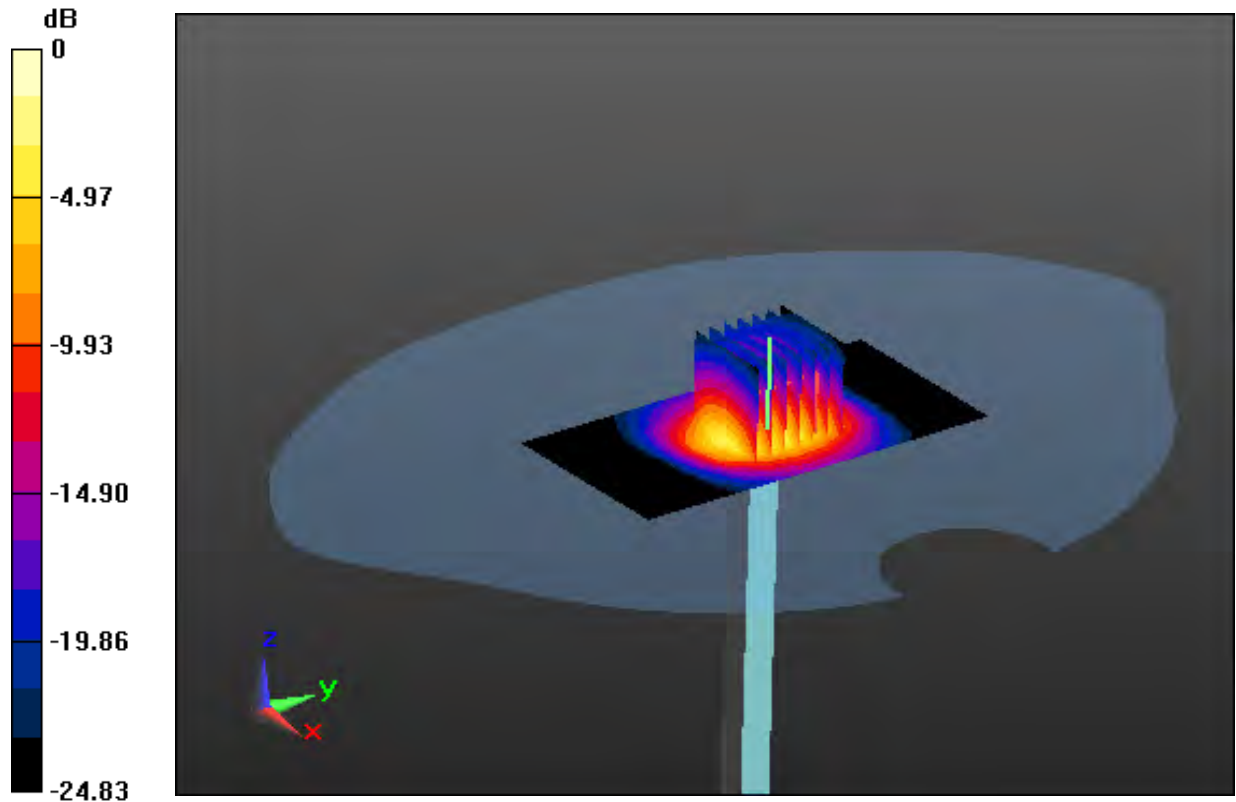
**Area Scan (7x13x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 12.97 W/kg

**SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.45 W/kg**



0 dB = 9.25 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.192$  S/m;  $\epsilon_r = 48.685$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.51, 4.51, 4.51); Calibrated: 4/27/2020 Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-25; Ambient Temp: 20.9; Tissue Temp: 20.7

### **5200 MHz System Body Verification(100mW)**

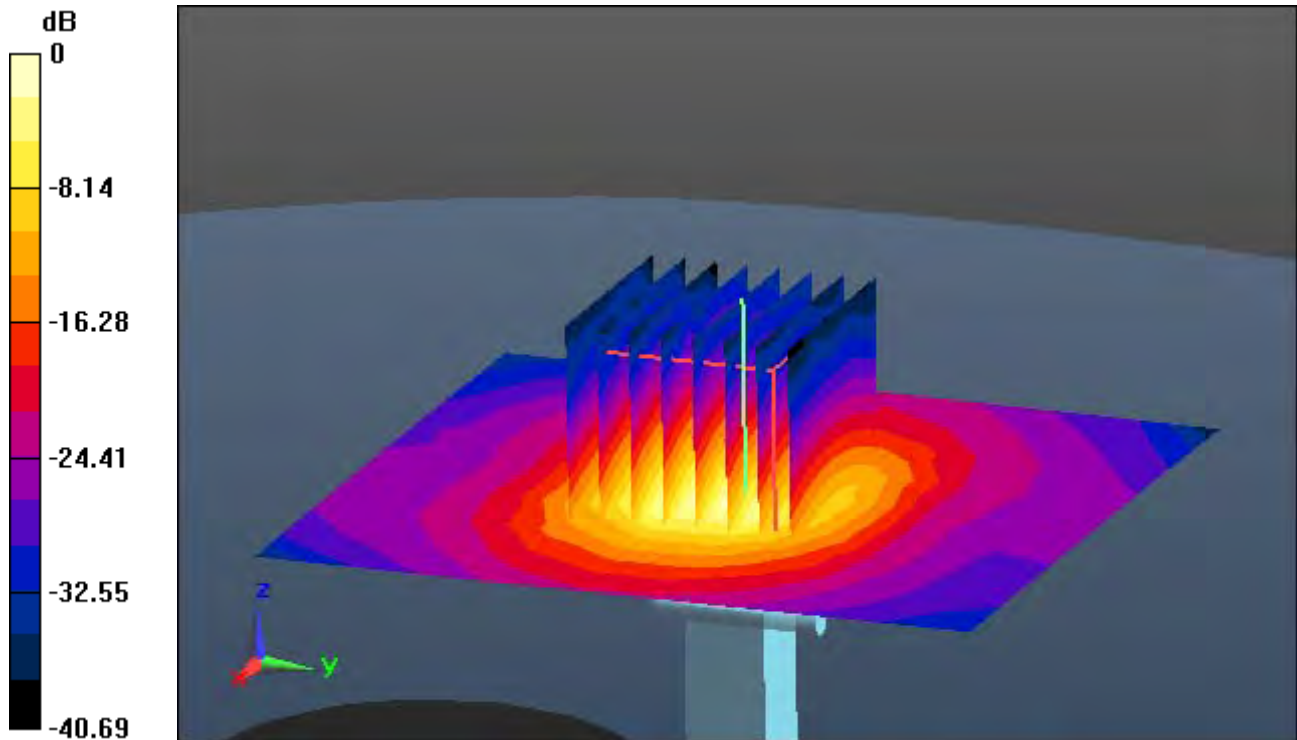
**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 27.68 W/kg

**SAR(1 g) = 7.03 W/kg; SAR(10 g) = 1.98 W/kg**



0 dB = 16.4 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.858$  S/m;  $\epsilon_r = 35.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.89, 4.89, 4.89); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.2; Tissue Temp: 20.1

### **5300 MHz System Head Verification (100 mW)**

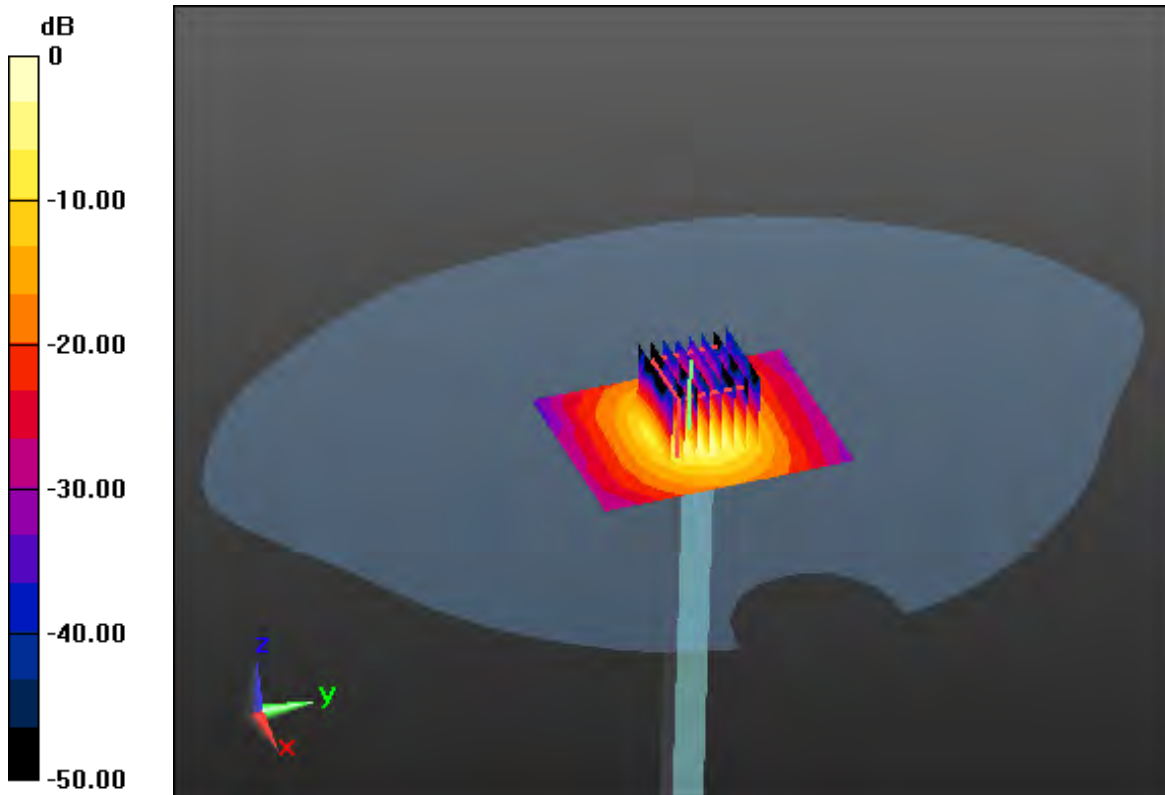
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 35.5 W/kg

**SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.24 W/kg**



0 dB = 18.7 W/kg



## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.548$  S/m;  $\epsilon_r = 47.095$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.37, 4.37, 4.37); Calibrated: 4/27/2020 Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-26; Ambient Temp: 20.7; Tissue Temp: 20.5

### **5300 MHz System Body Verification(100mW)**

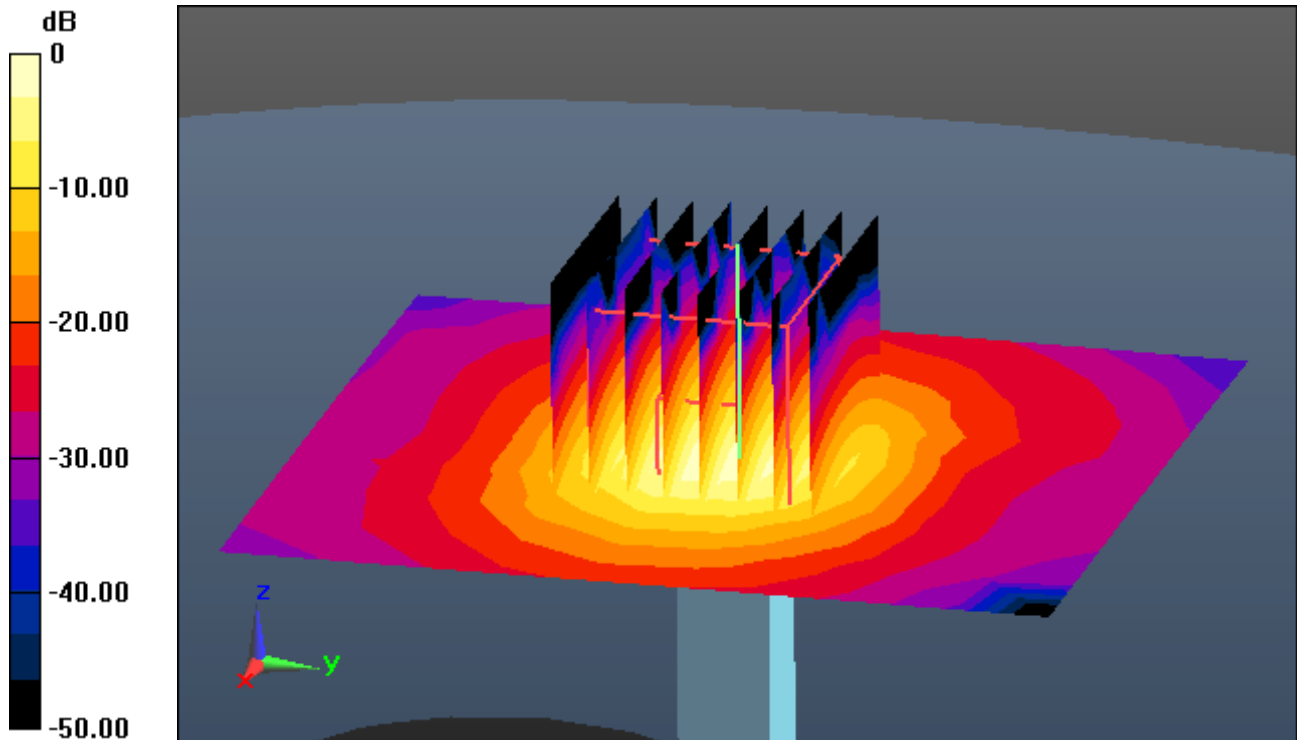
**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 32.1 W/kg

**SAR(1 g) = 7.61 W/kg; SAR(10 g) = 2.15 W/kg**



0 dB = 19.8 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.224$  S/m;  $\epsilon_r = 35.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.42, 4.42, 4.42); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-24; Ambient Temp: 20.2; Tissue Temp: 20.0

### **5600 MHz System Head Verification (100 mW)**

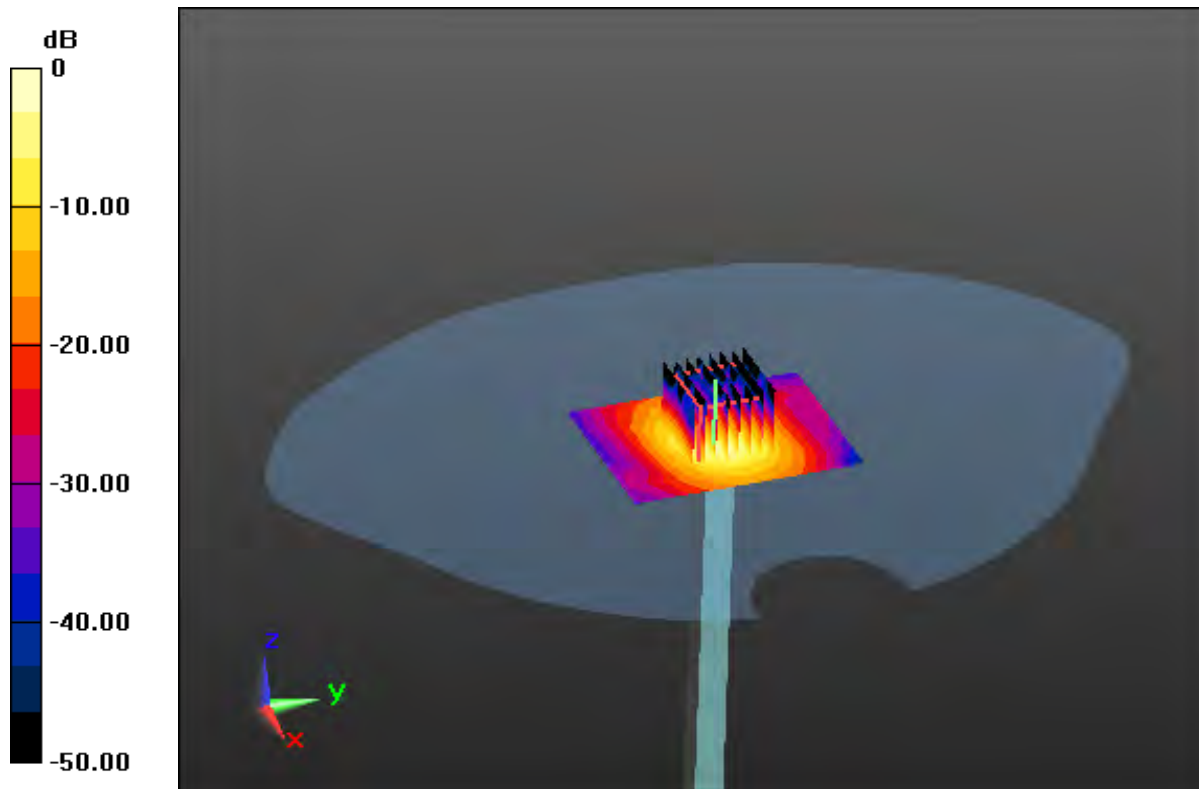
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 35.7 W/kg

**SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.33 W/kg**



0 dB = 19.1 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.873$  S/m;  $\epsilon_r = 47.001$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4, 4, 4); Calibrated: 4/27/2020 Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-29; Ambient Temp: 20.3; Tissue Temp: 20.1

### **5600 MHz System Body Verification(100mW)**

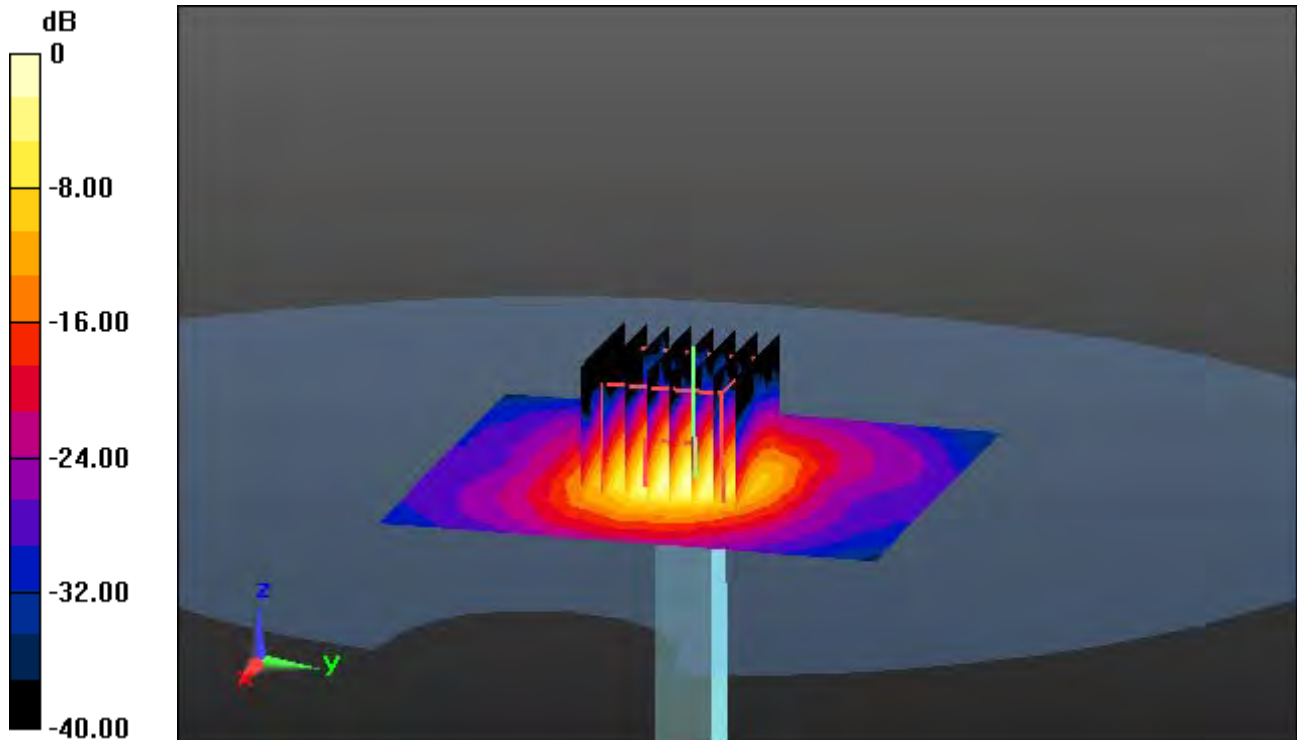
**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 31.1 W/kg

**SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.11 W/kg**



0 dB = 17.8 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.474$  S/m;  $\epsilon_r = 34.842$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.6, 4.6, 4.6); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-25; Ambient Temp: 20.3; Tissue Temp: 20.1

### **5800 MHz System Head Verification (100 mW)**

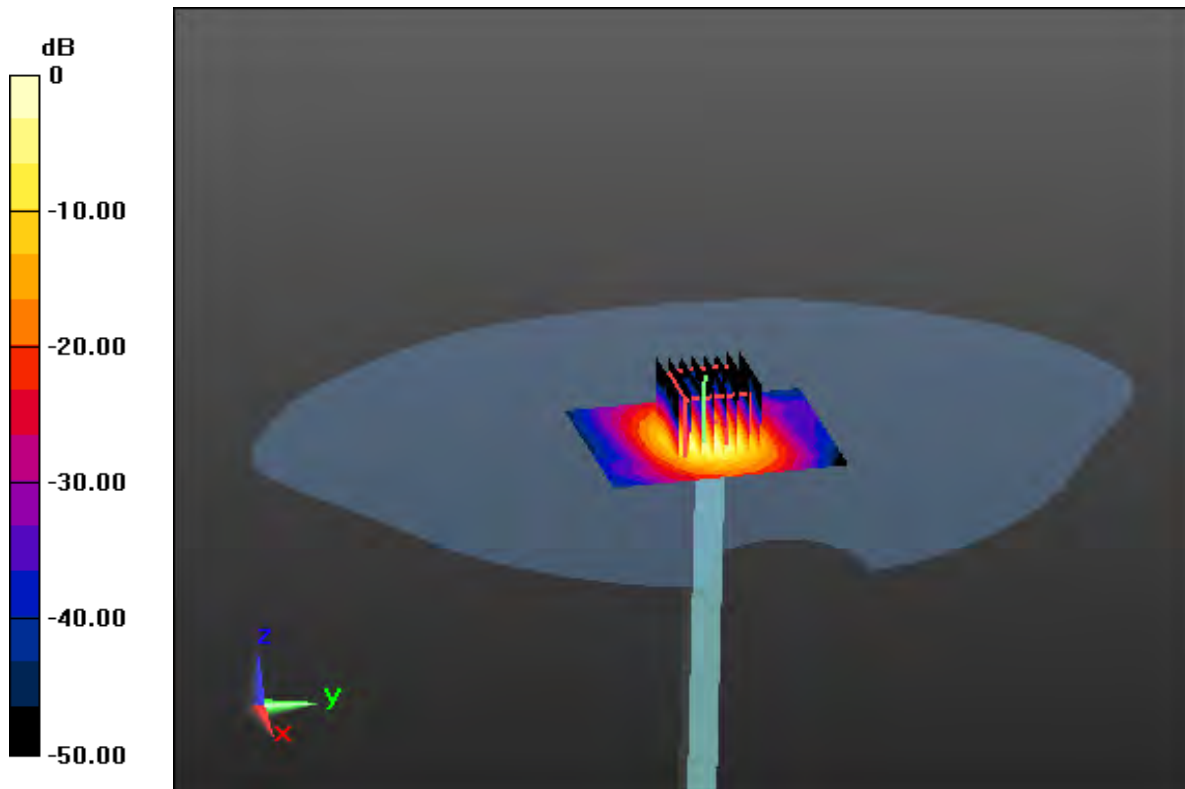
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 36.4 W/kg

**SAR(1 g) = 8.31 W/kg; SAR(10 g) = 2.3 W/kg**



0 dB = 19.6 W/kg

## DT&C Co., Ltd.

**DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.186$  S/m;  $\epsilon_r = 49.038$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.18, 4.18, 4.18); Calibrated: 4/27/2020 Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-29; Ambient Temp: 20.3; Tissue Temp: 20.1

### **5800 MHz System Body Verification(100mW)**

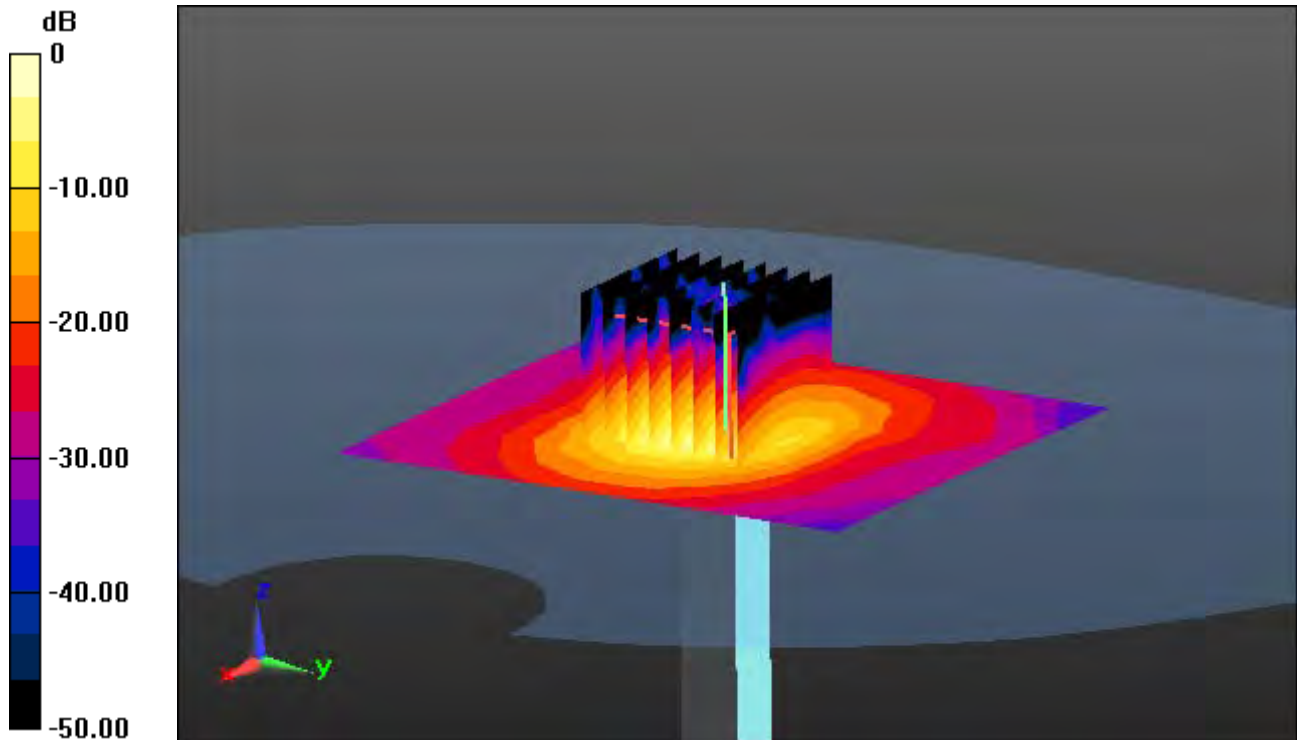
**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 28.19 W/kg

**SAR(1 g) = 7.29 W/kg; SAR(10 g) = 2.09 W/kg**



0 dB = 17.31 W/kg

## DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.922$  S/m;  $\epsilon_r = 42.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.35, 10.35, 10.35) @ 836.6 MHz; Calibrated: 2019-11-27;  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-15; Ambient Temp: 21.3; Tissue Temp: 21.2

**Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**

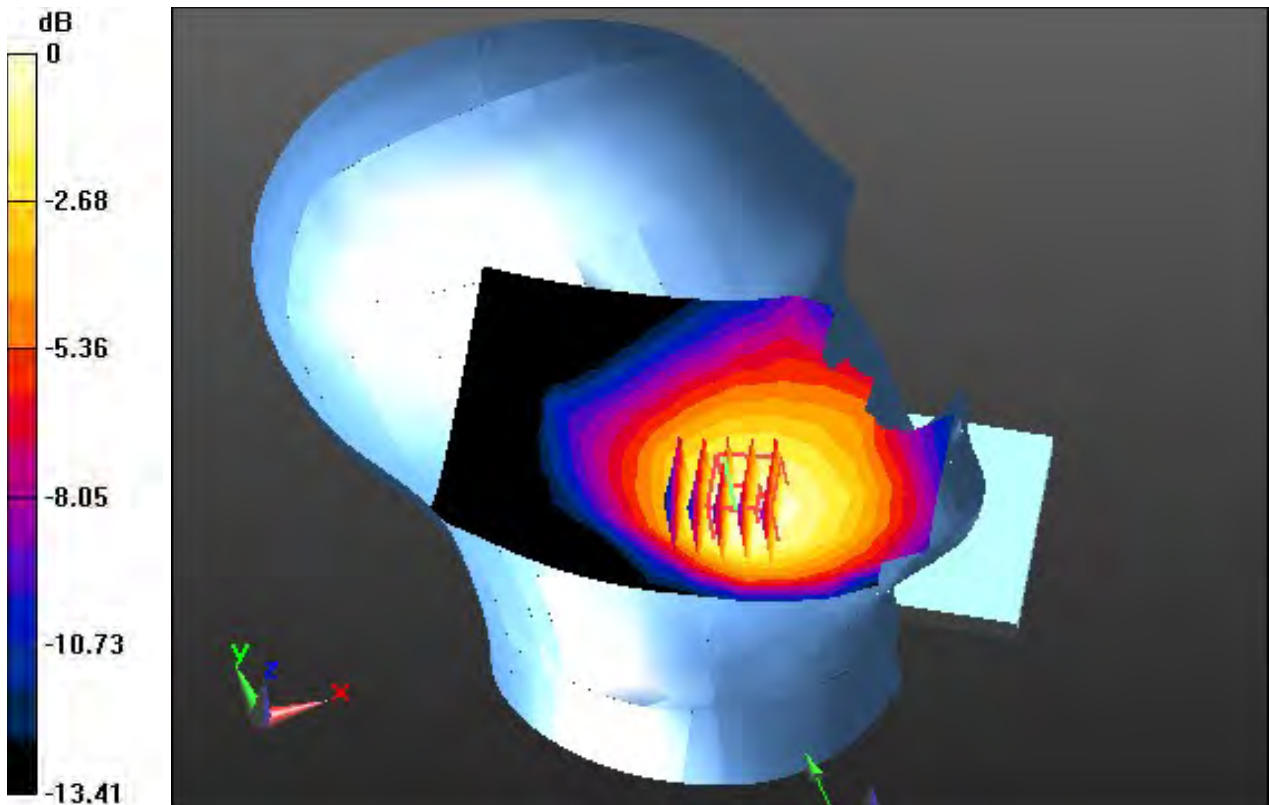
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

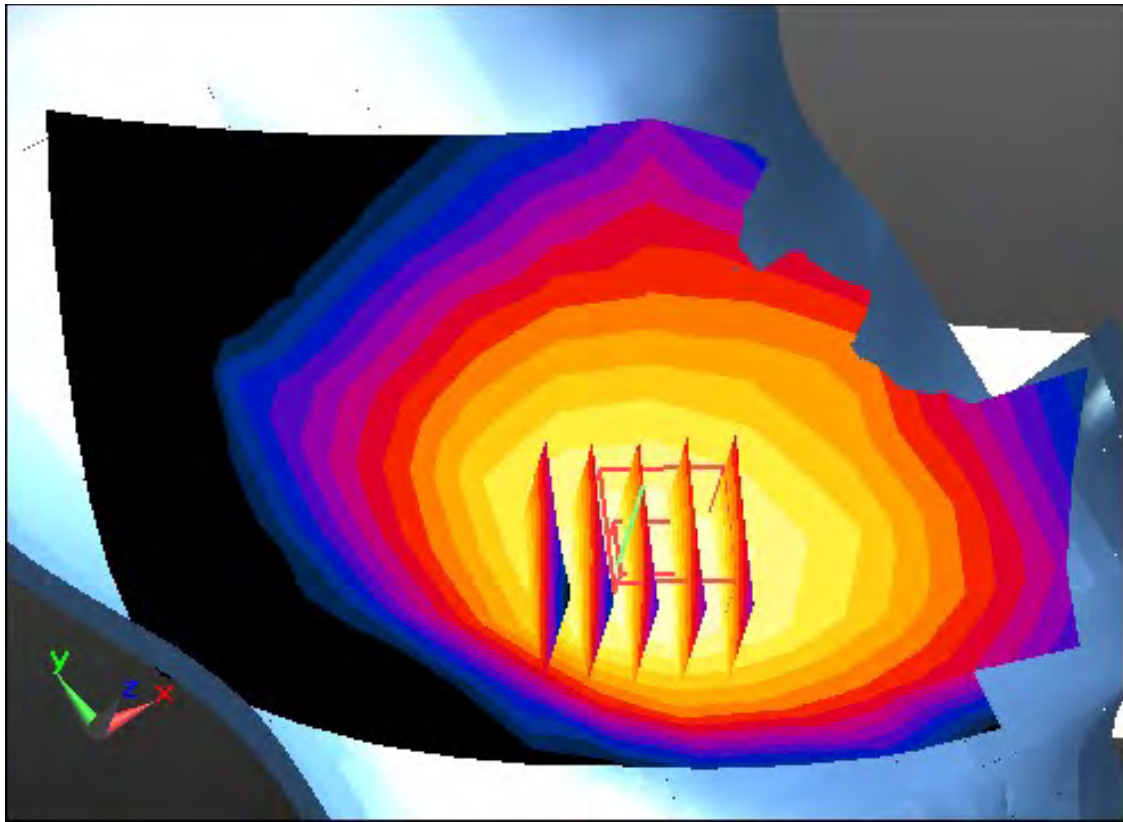
Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.066 W/kg**



0 dB = 0.101 W/kg



Enlarged Plot for A1

## DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, GSM 850\_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.922$  S/m;  $\epsilon_r = 42.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.35, 10.35, 10.35) @ 836.6 MHz; Calibrated: 2019-11-27;  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-15; Ambient Temp: 21.3; Tissue Temp: 21.2

**Left Touch, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery**

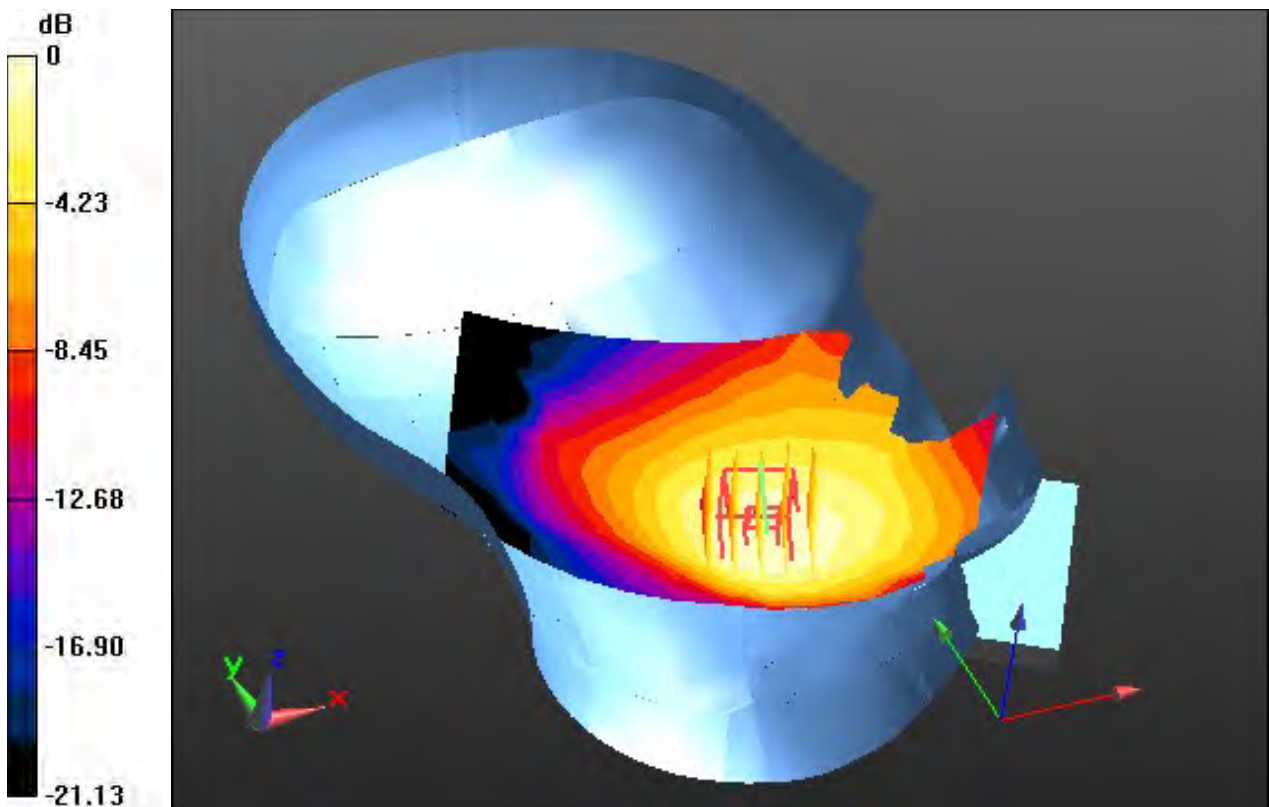
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

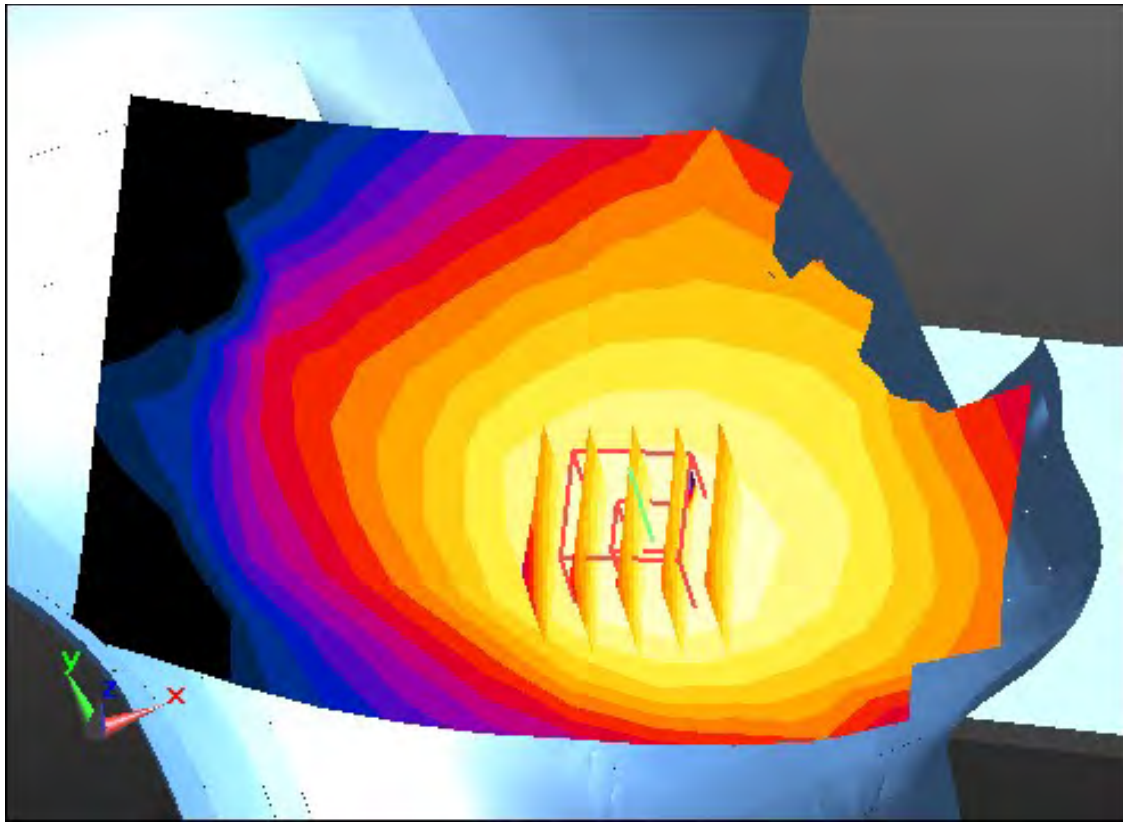
Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.076 W/kg



0 dB = 0.118 W/kg





Enlarged Plot for A2

# DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 40.652$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.9; Tissue Temp: 20.4

**Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery**

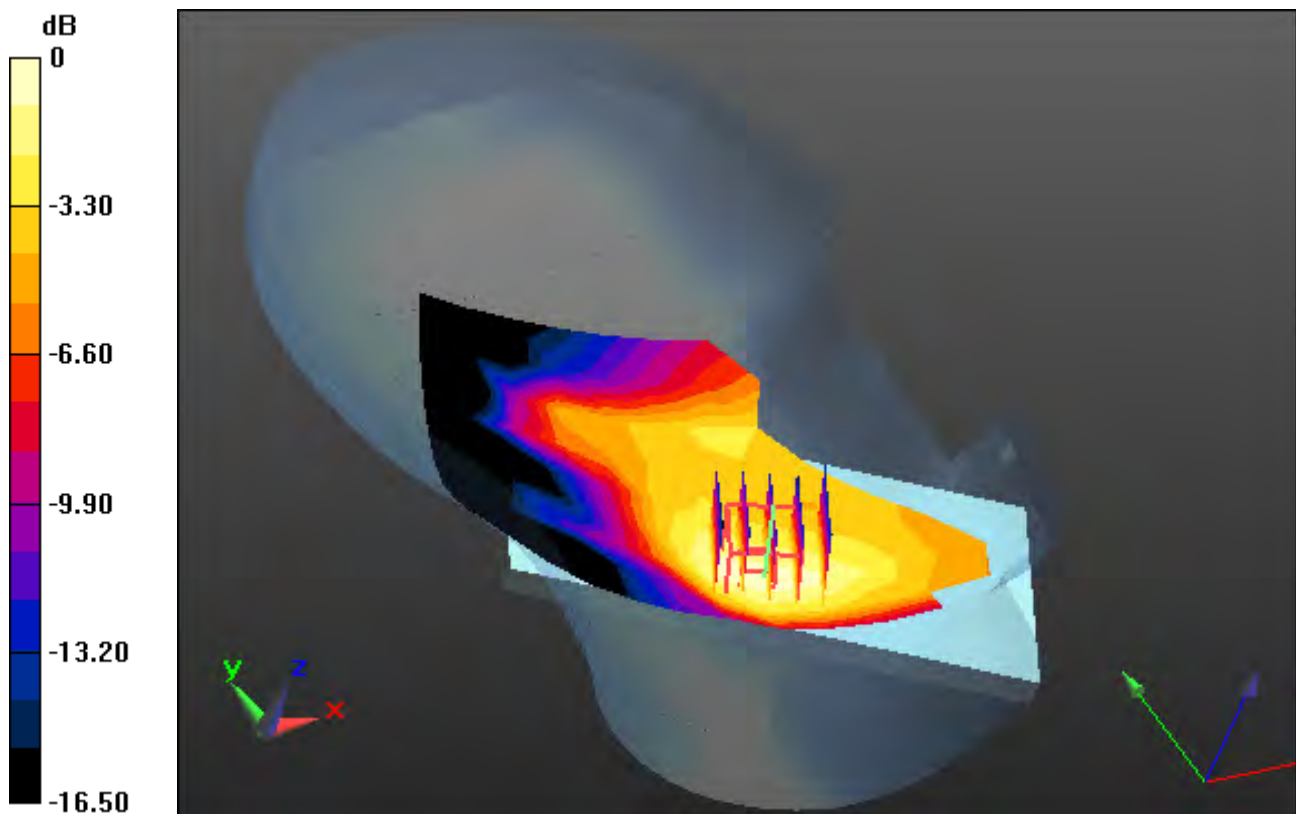
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

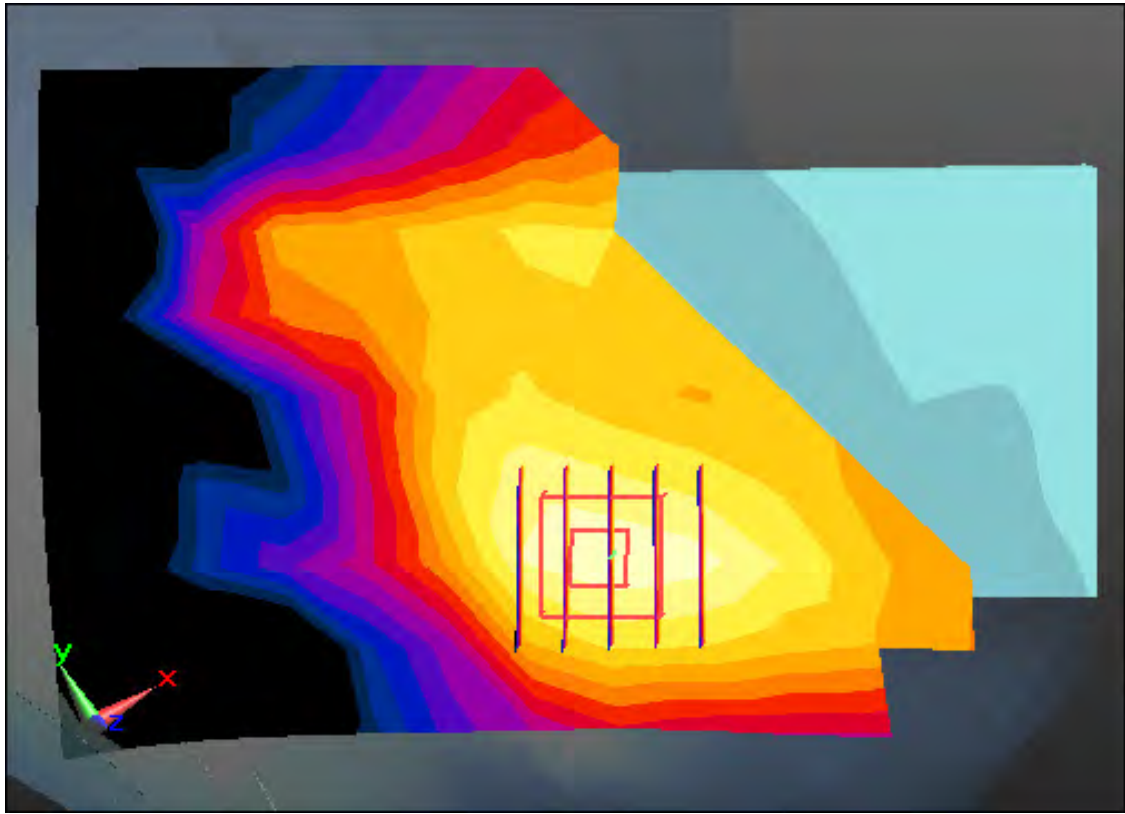
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0930 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.034 W/kg**



0 dB = 0.0743 W/kg



Enlarged Plot for A3

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 40.652$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.9; Tissue Temp: 20.4

## Left Touch, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery

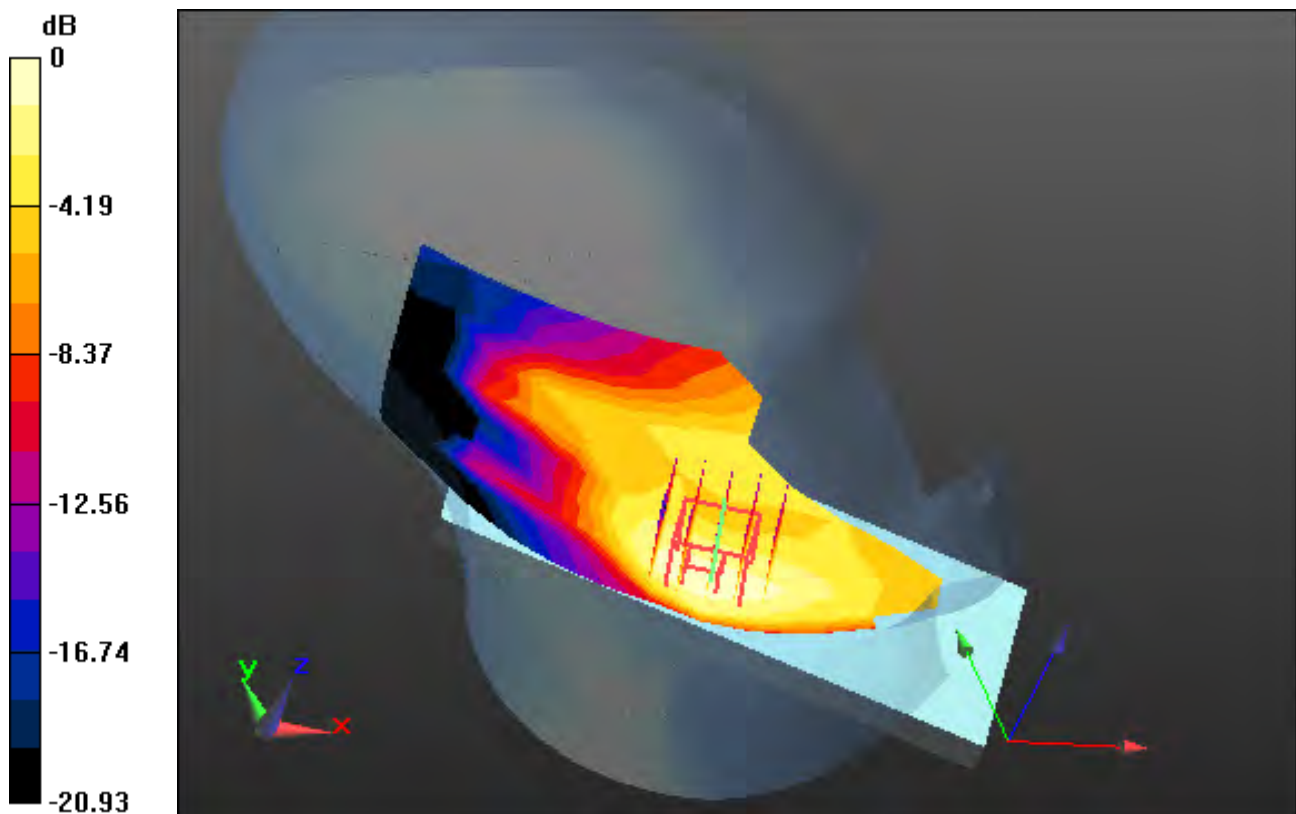
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

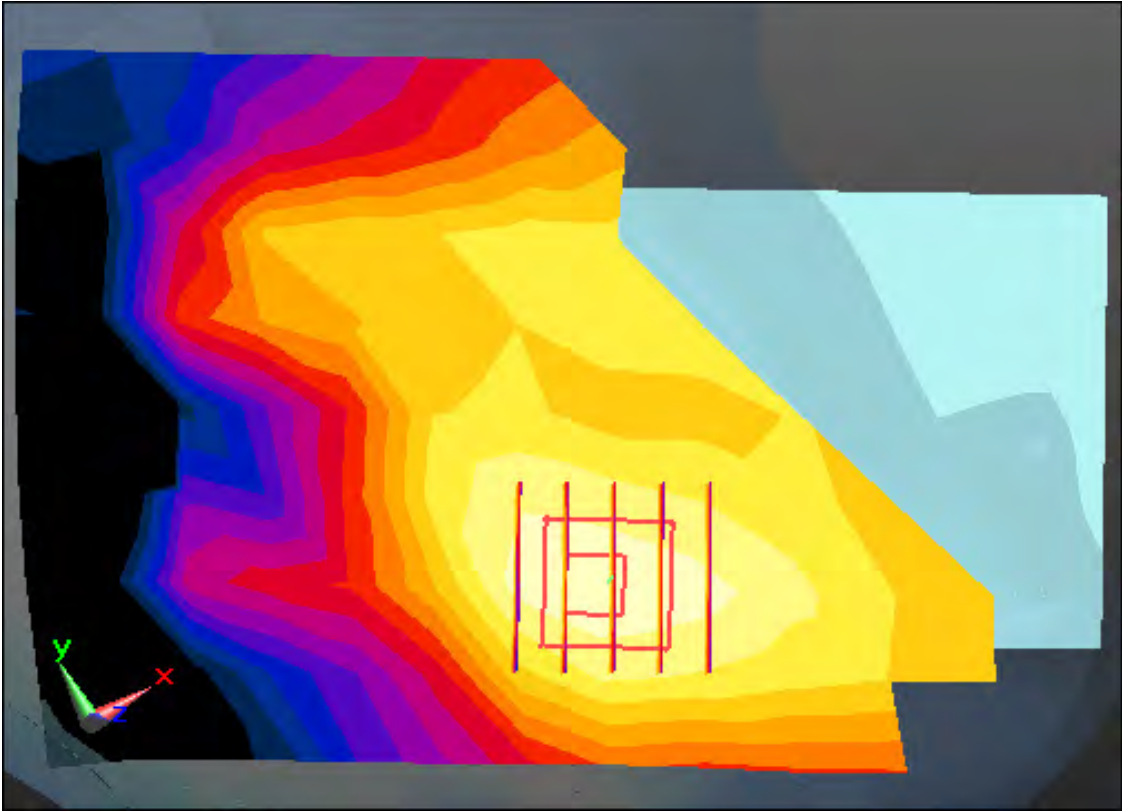
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.102 W/kg

SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.038 W/kg



0 dB = 0.0820 W/kg



Enlarged Plot for A4

## DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.922$  S/m;  $\epsilon_r = 42.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.35, 10.35, 10.35) @ 836.6 MHz; Calibrated: 2019-11-27;  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-15; Ambient Temp: 21.3; Tissue Temp: 21.2

**Left Touch, WCDMA Band 5 Ch. 4183, Ant Internal, Standard Battery**

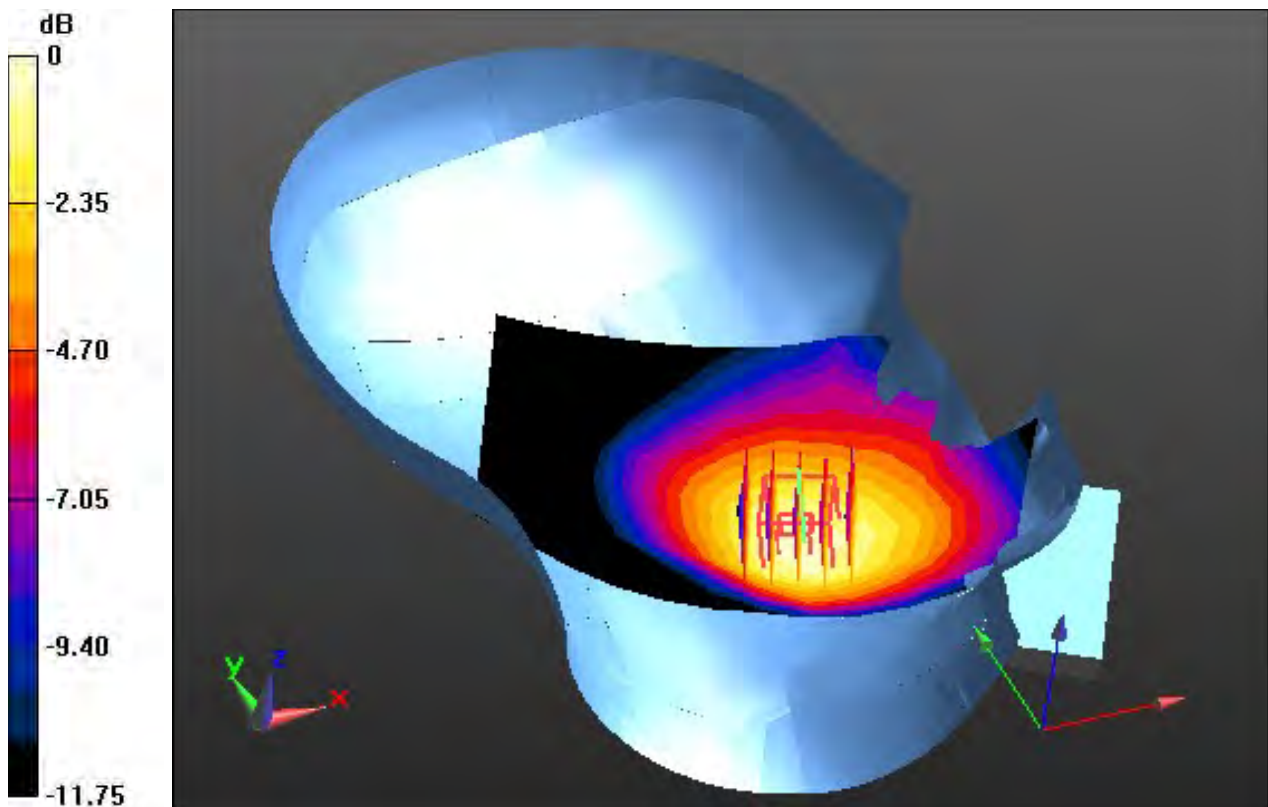
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

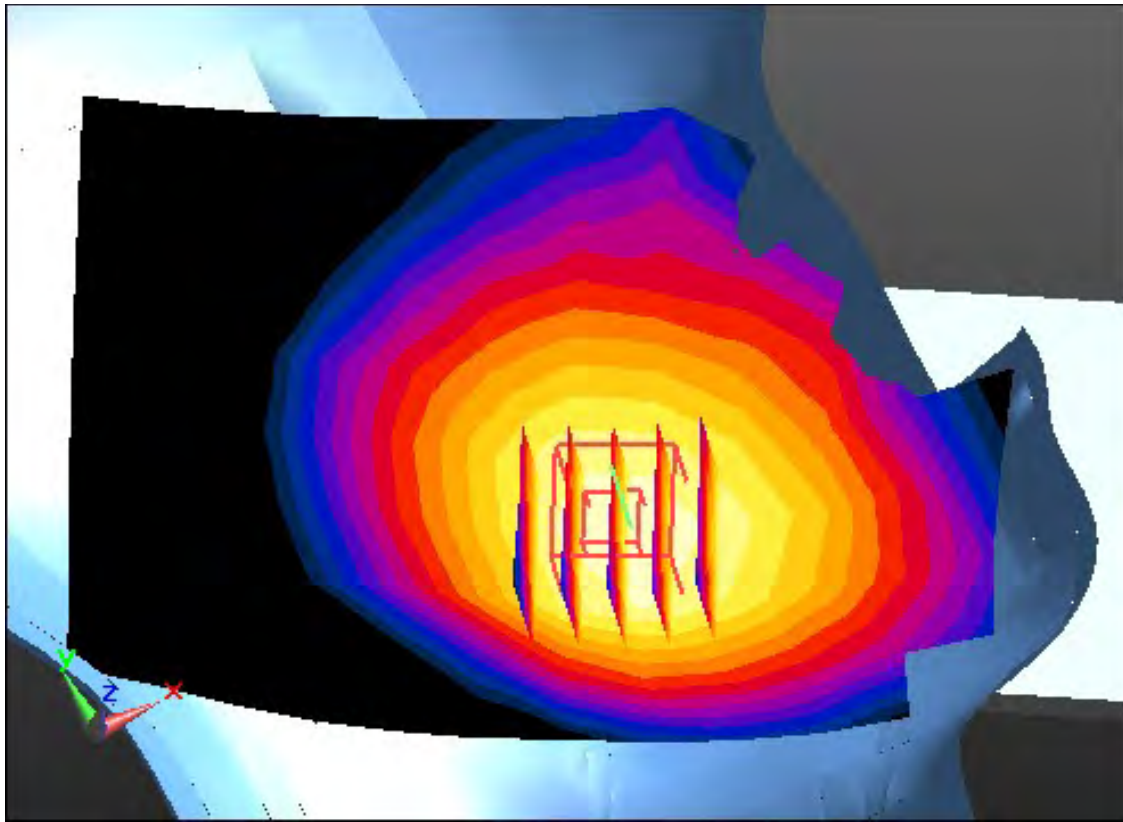
Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.105 W/kg



0 dB = 0.162 W/kg



Enlarged Plot for A5

# DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar;**

Communication System: UID 0, WCDMA Band 4 (FCC) (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.38$  S/m;  $\epsilon_r = 39.714$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.34, 5.34, 5.34); Calibrated: 3/25/2020 Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-22; Ambient Temp: 20.5; Tissue Temp: 20.6

**Right Touch, WCDMA Band 4 Ch. 1412, Ant Internal, Standard Battery**

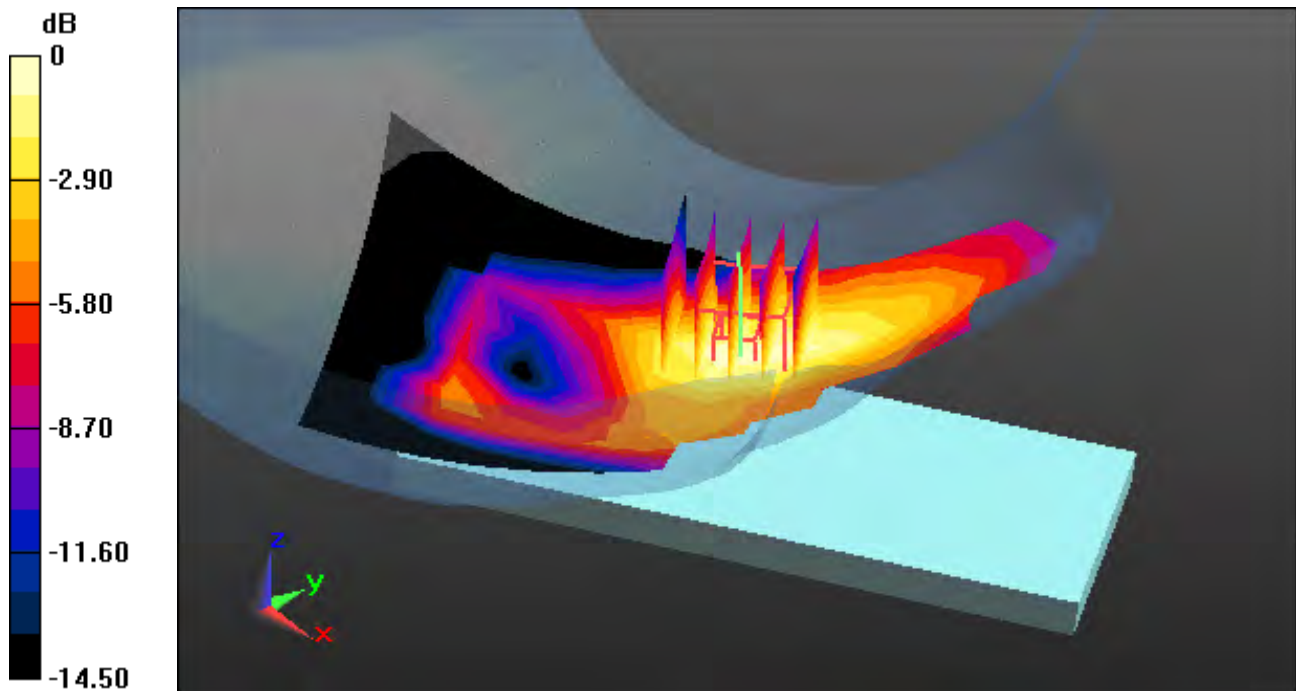
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.14 dB

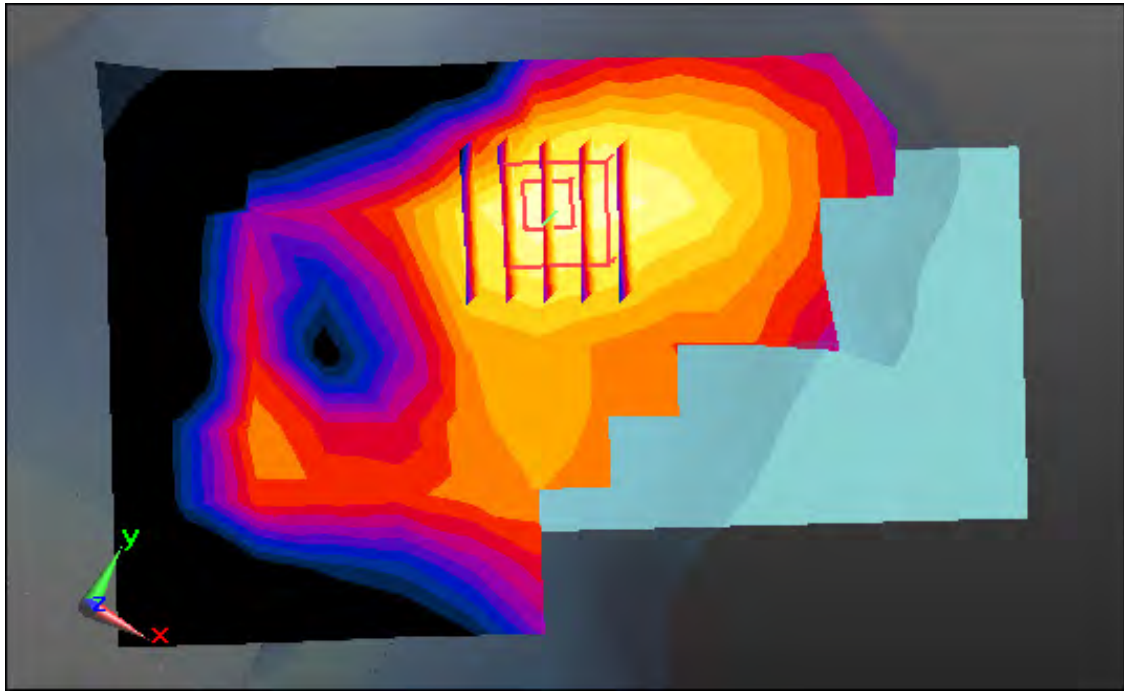
Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.069 W/kg**



0 dB = 0.115 W/kg





Enlarged Plot for A6

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 40.652$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.9; Tissue Temp: 20.4

## Right Touch, WCDMA Band 2 Ch. 9400, Ant Internal, Standard Battery

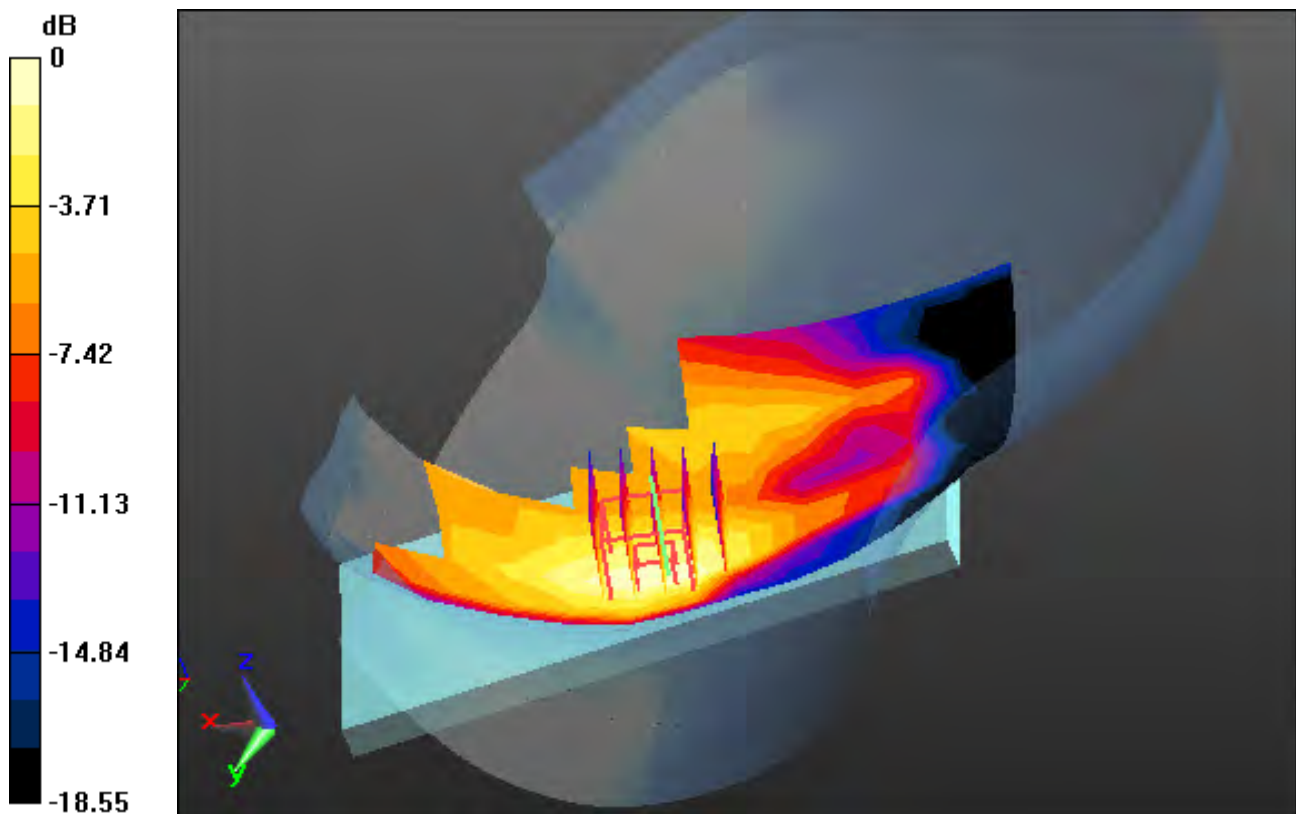
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

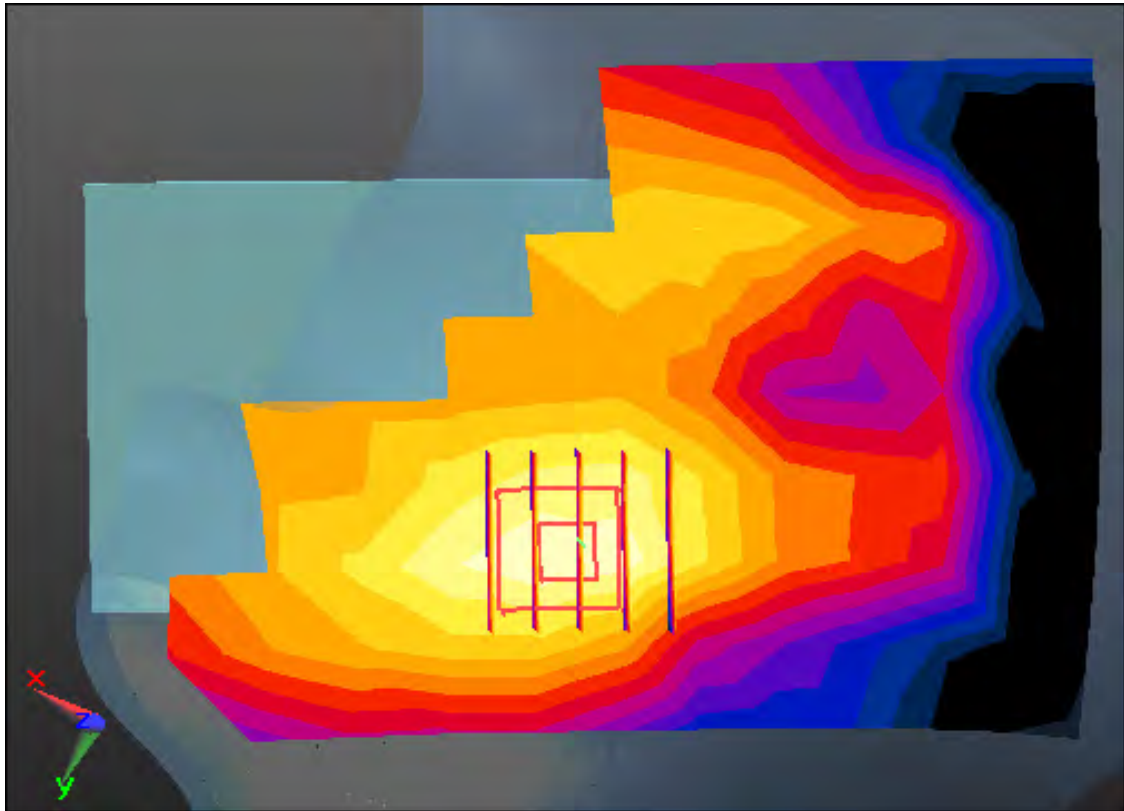
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.155 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.059 W/kg**



0 dB = 0.126 W/kg



Enlarged Plot for A7

## DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 42.274$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.64, 6.64, 6.64) @ 707.5 MHz; Calibrated: 2019-08-27  
Electronics: DAE4 Sn1394

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: 2020-06-13; Ambient Temp: 21.1; Tissue Temp: 20.9

**Right Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

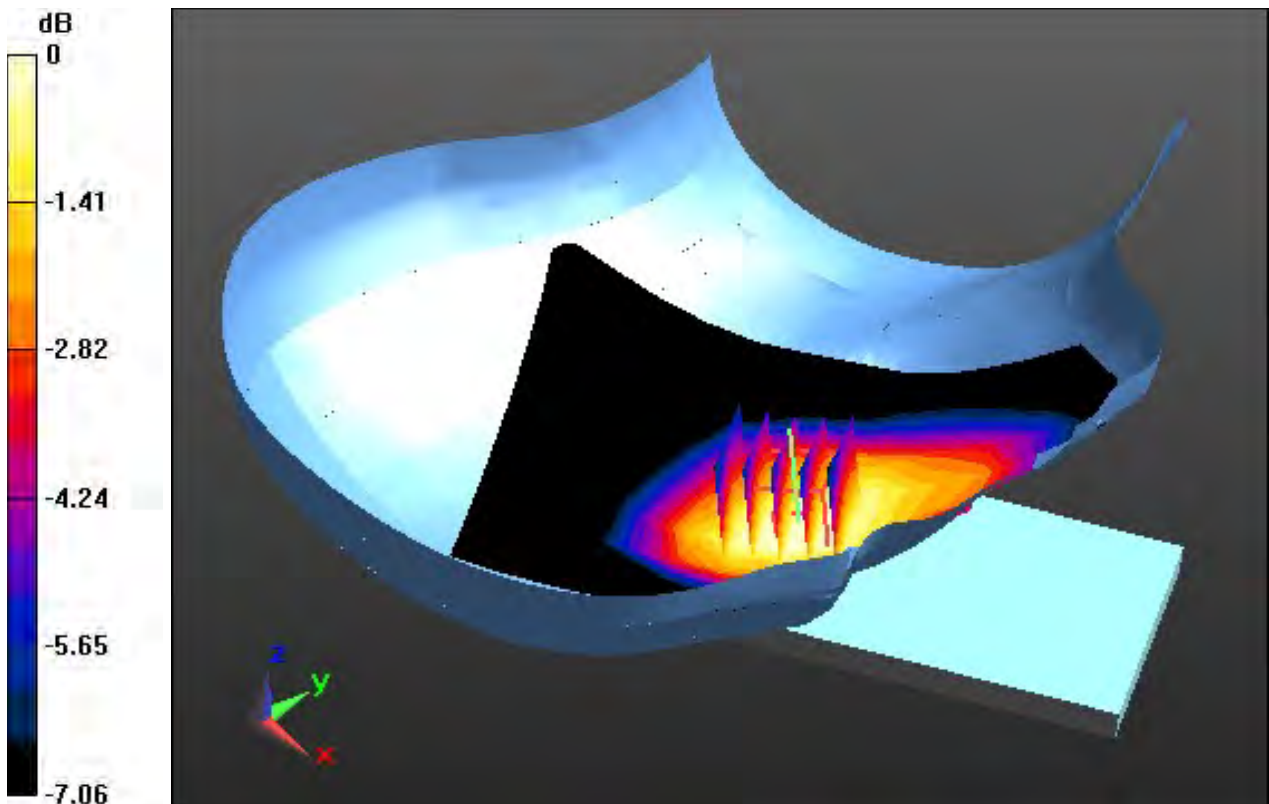
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

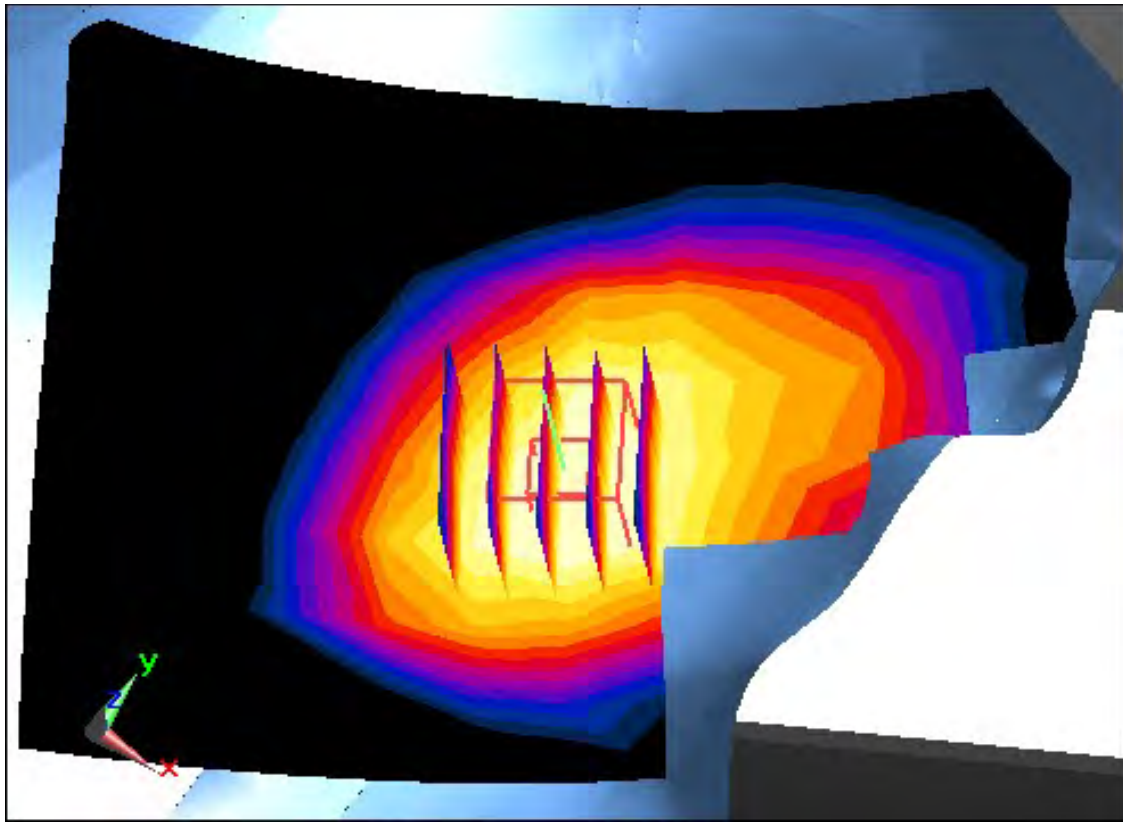
Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0590 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.041 W/kg**



0 dB = 0.0539 W/kg



Enlarged Plot for A8

## DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.928 \text{ S/m}$ ;  $\epsilon_r = 41.316$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(6.64, 6.64, 6.64) @ 782 MHz; Calibrated: 2019-08-27  
Electronics: DAE4 Sn1394  
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: 2020-06-13; Ambient Temp: 21.1; Tissue Temp: 20.9

**Right Touch, LTE Band 13 Ch. 23230, Ant Internal, Standard Battery**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

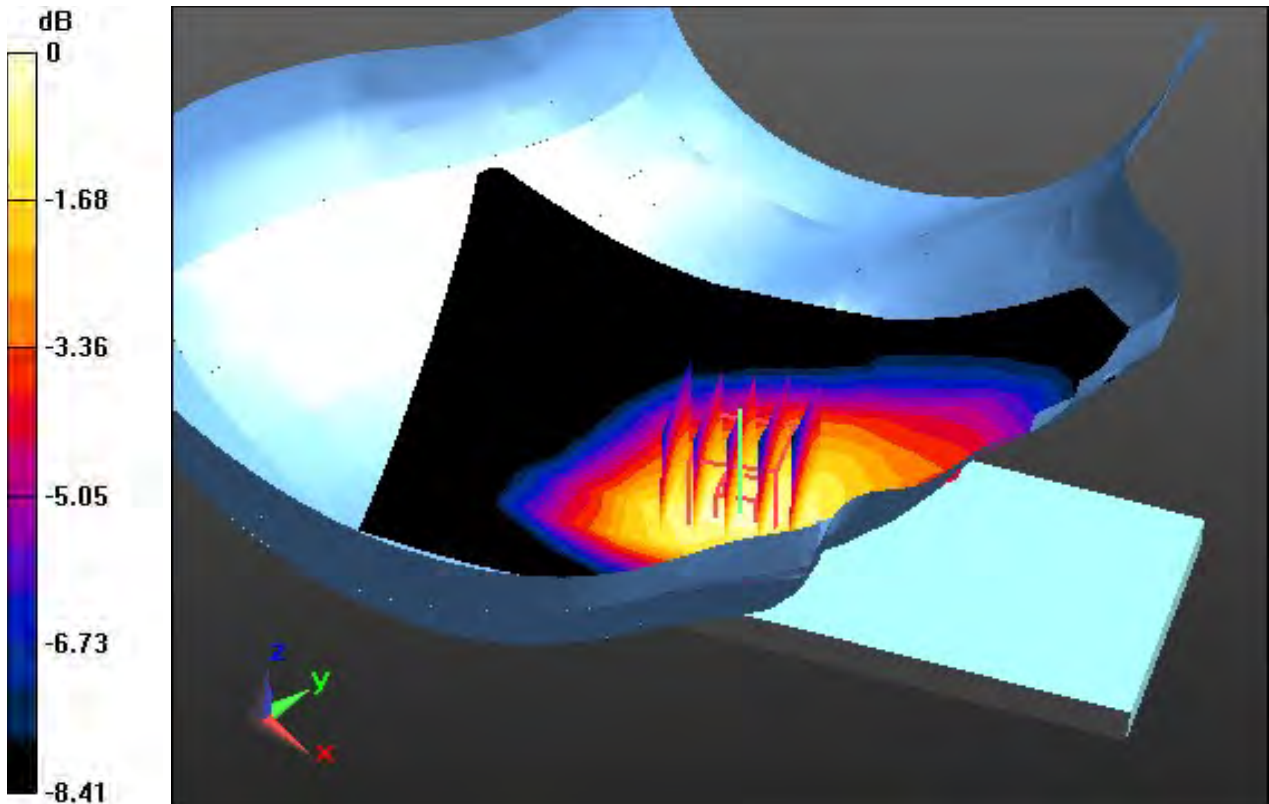
**Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

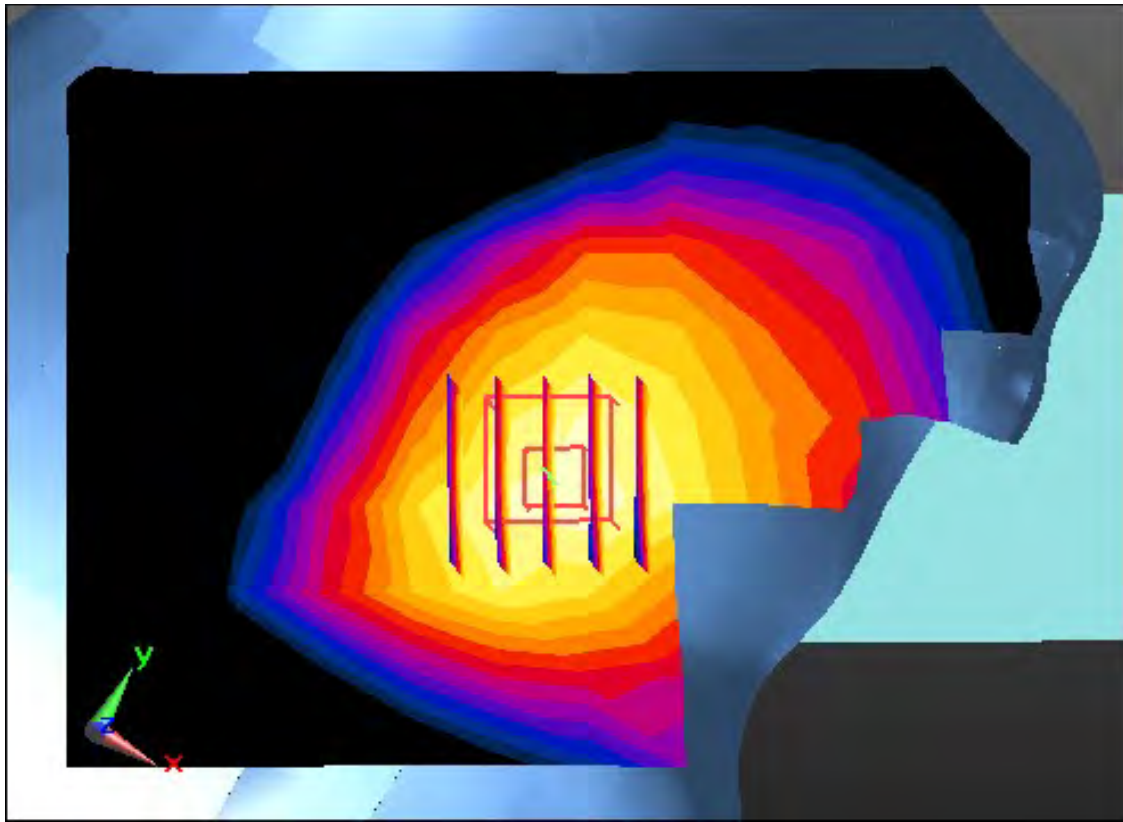
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.111 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.073 W/kg**



0 dB = 0.101 W/kg



Enlarged Plot for A9

## DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, LTE Band 5 (FCC) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.922$  S/m;  $\epsilon_r = 42.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.35, 10.35, 10.35) @ 836.5 MHz; Calibrated: 2019-11-27  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-15; Ambient Temp: 21.3; Tissue Temp: 21.2

**Left Touch, LTE Band 5 Ch. 20525, Ant Internal, Standard Battery**

**Mode : BandWidth 10 MHz, QPSK, RB Size: 1**

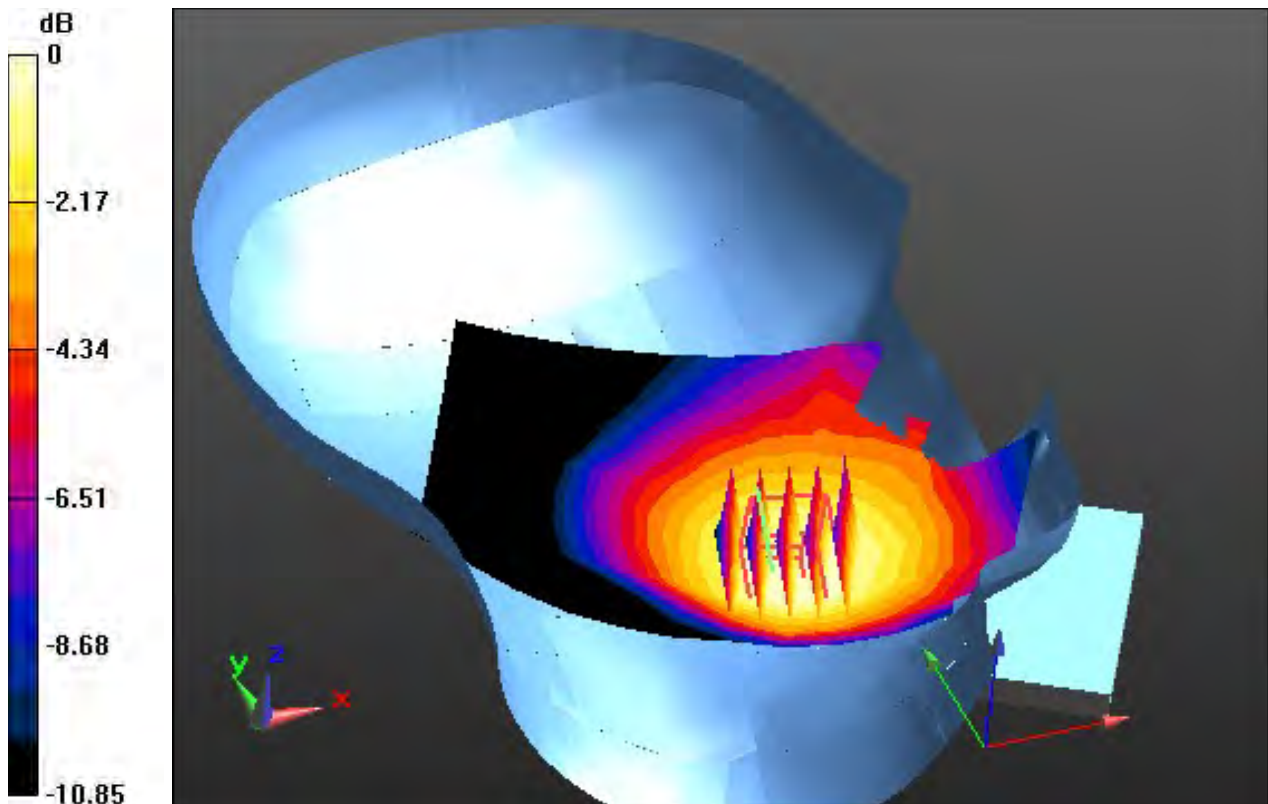
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.15 dB

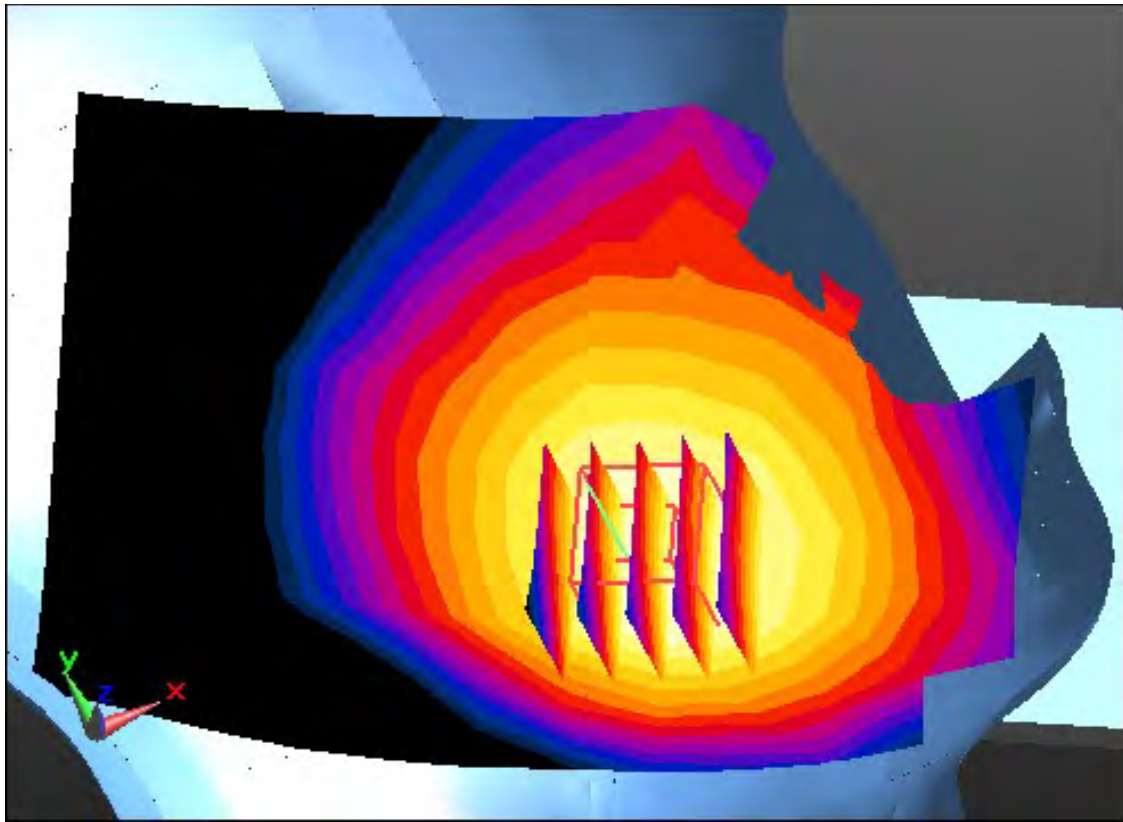
Peak SAR (extrapolated) = 0.175 W/kg

**SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.104 W/kg**



0 dB = 0.158 W/kg





Enlarged Plot for A10

# DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, LTE Band 66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 39.627$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(5.34, 5.34, 5.34); Calibrated: 3/25/2020 Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin middle\_2013\_09\_24; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-22; Ambient Temp: 20.5; Tissue Temp: 20.6

**Right Touch, LTE Band 66 Ch. 132572, Ant Internal, Standard Battery**

**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

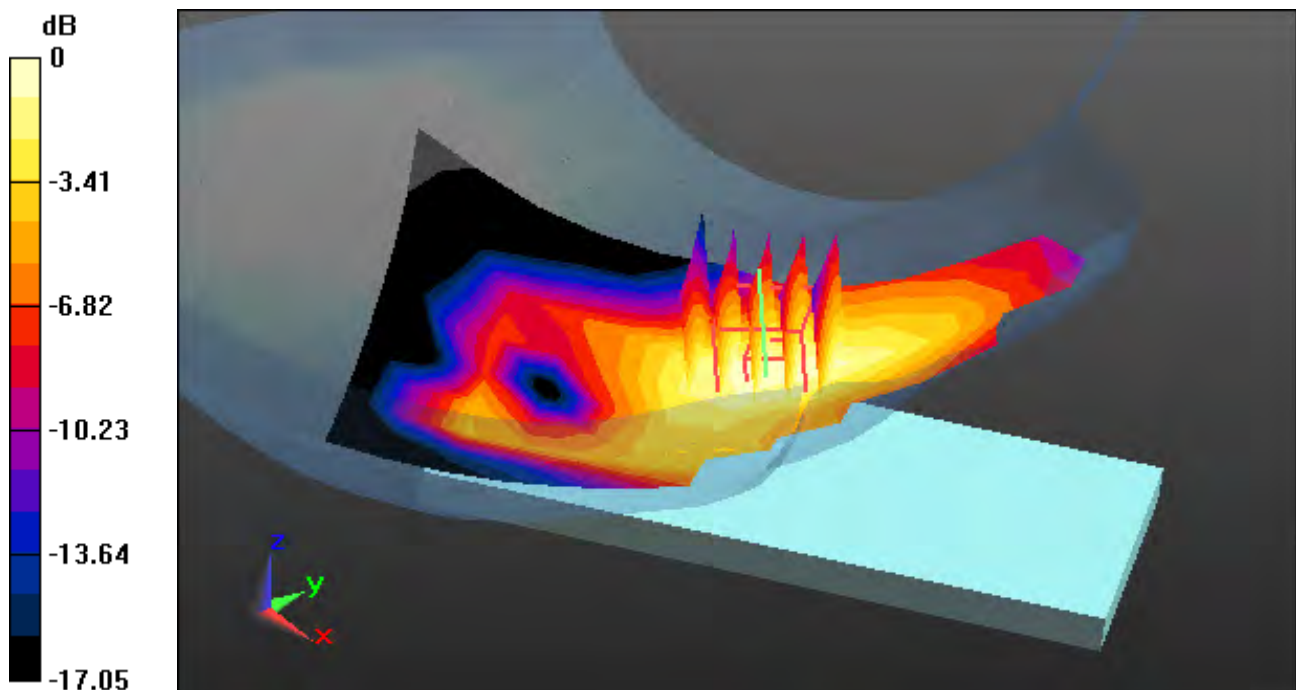
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

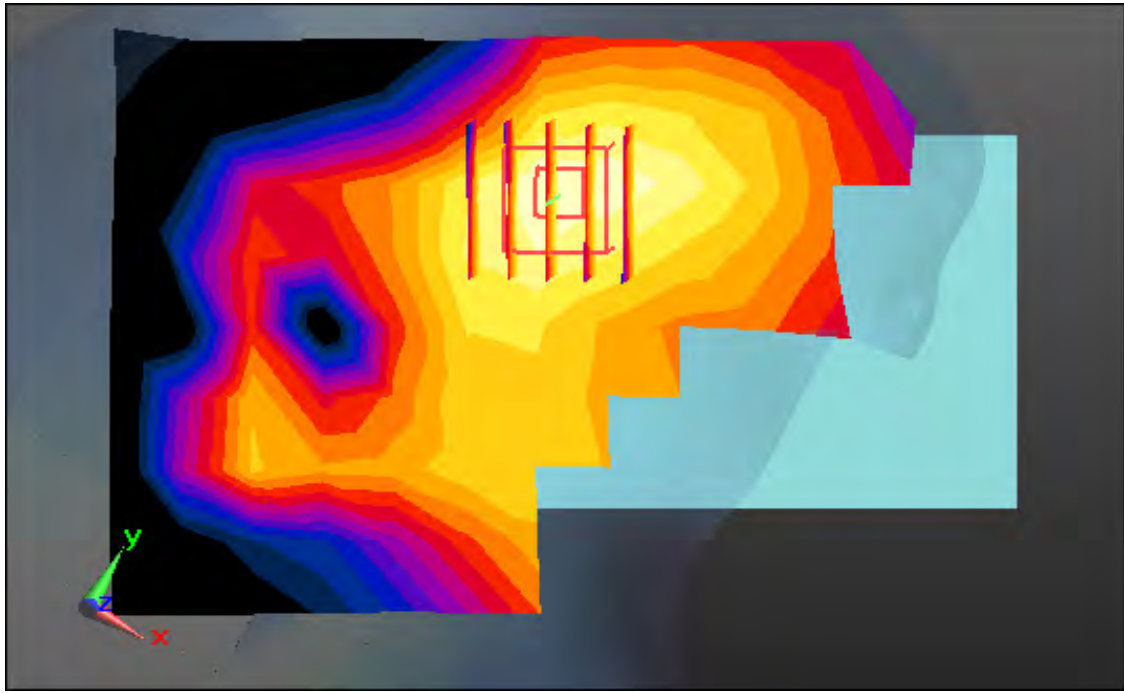
Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.141 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.069 W/kg**



0 dB = 0.116 W/kg



Enlarged Plot for A11

# DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, LTE Band 2 (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.432$  S/m;  $\epsilon_r = 40.573$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2016\_07\_22\_middle; Type: QD000P40CD; Serial: TP:1786  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.9; Tissue Temp: 20.4

**Right Touch, LTE Band 2 Ch. 19100, Ant Internal, Standard Battery**

**Mode : BandWidth 20 MHz, QPSK, RB Size: 1**

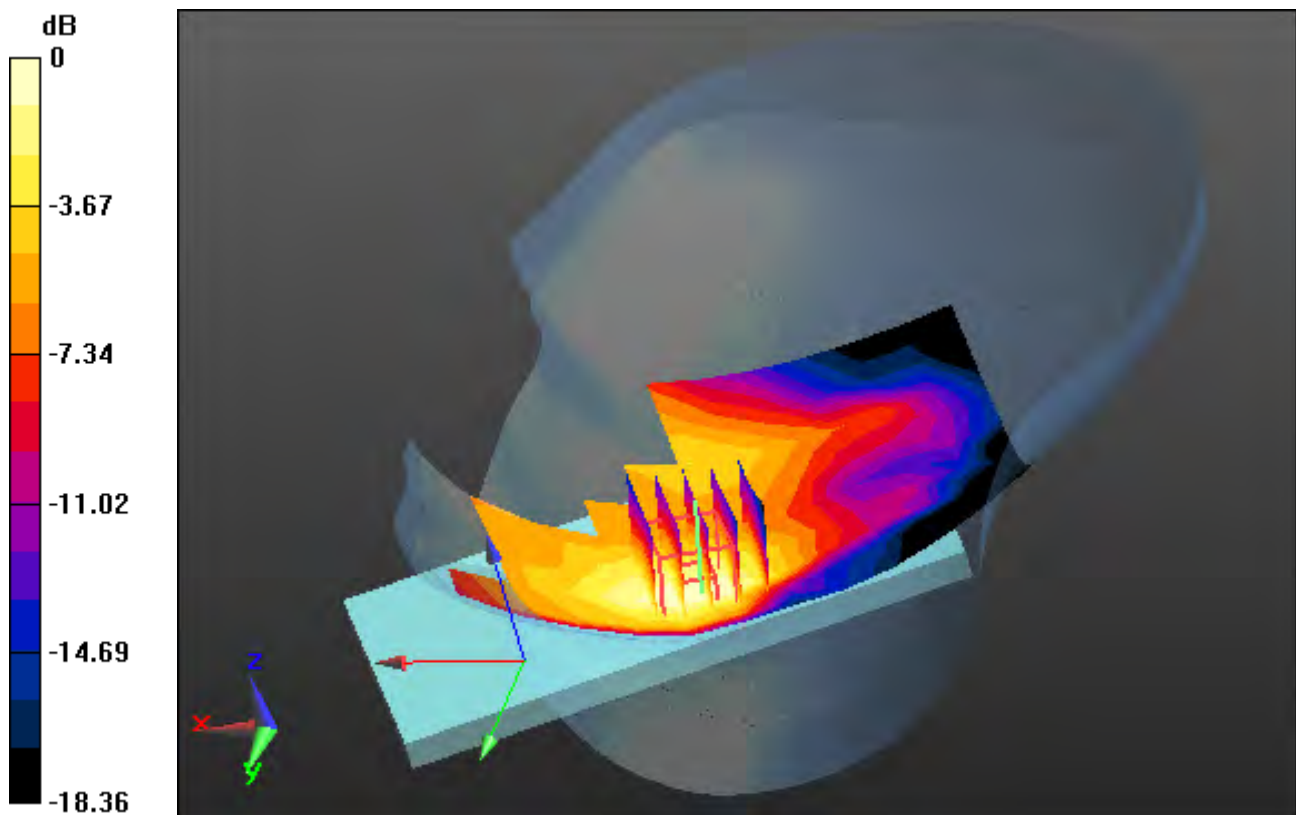
**Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

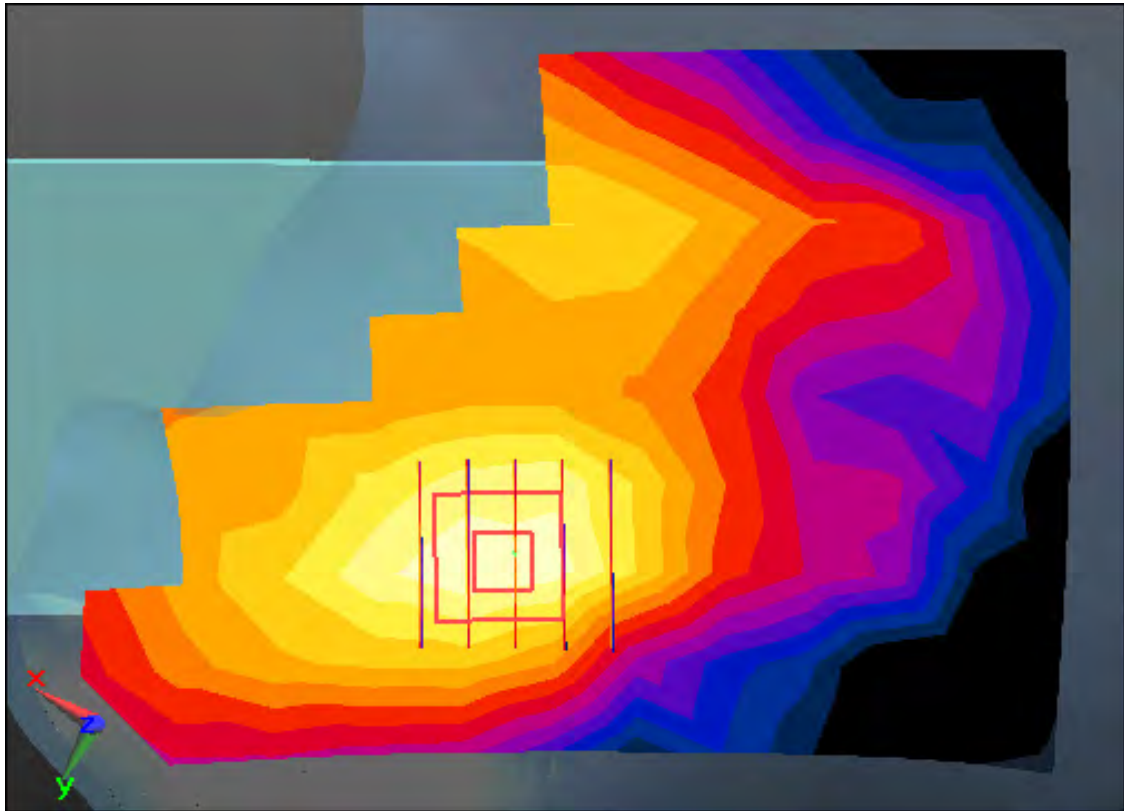
Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.154 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.060 W/kg**



0 dB = 0.127 W/kg



Enlarged Plot for A12

# DT&C Co., Ltd.

## **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, LTE Band 7 (FCC) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.828$  S/m;  $\epsilon_r = 39.252$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.04, 7.04, 7.04); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-13; Ambient Temp: 21.9; Tissue Temp: 21.8

**Left Touch, LTE Band 7 Ch. 20850, Ant Internal, Standard Battery**

**Mode : BandWidth 20 MHz, QPSK, RB Size : 1**

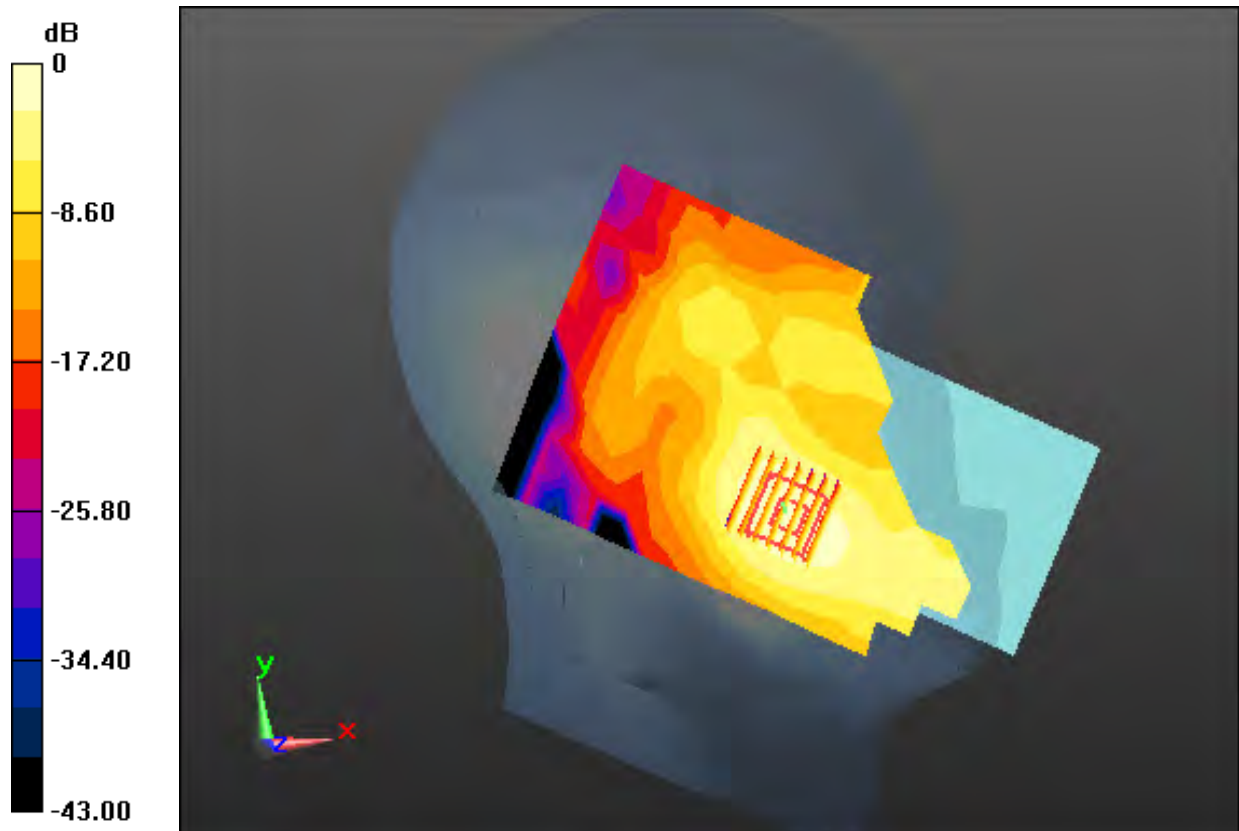
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

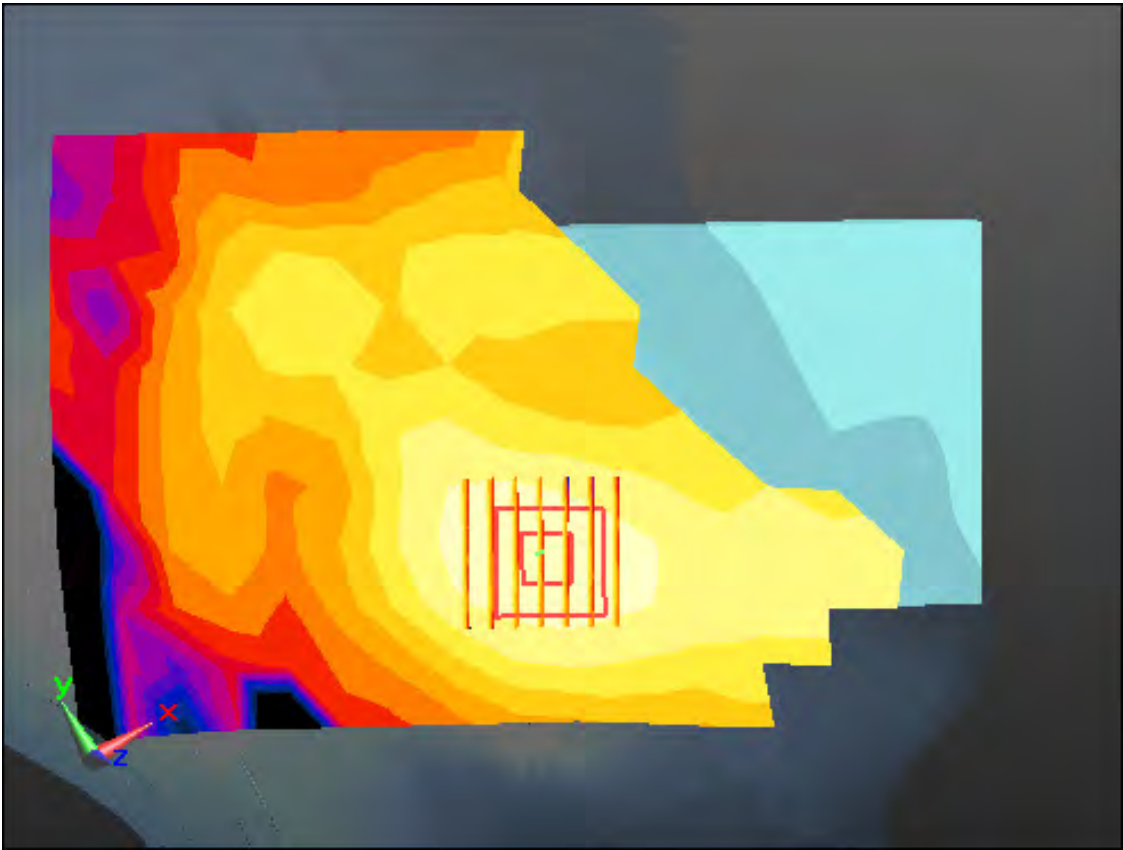
Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.210 W/kg

**SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.057 W/kg**



0 dB = 0.158 W/kg



Enlarged Plot for A13

# DT&C Co., Ltd.

## **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f = 2593$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 38.979$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.04, 7.04, 7.04); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-13; Ambient Temp: 21.9; Tissue Temp: 21.8

## **Left Touch, LTE Band 41 Ch. 40620, Ant Internal, Standard Battery**

### **Mode : BandWidth 20 MHz, QPSK, RB Size : 1**

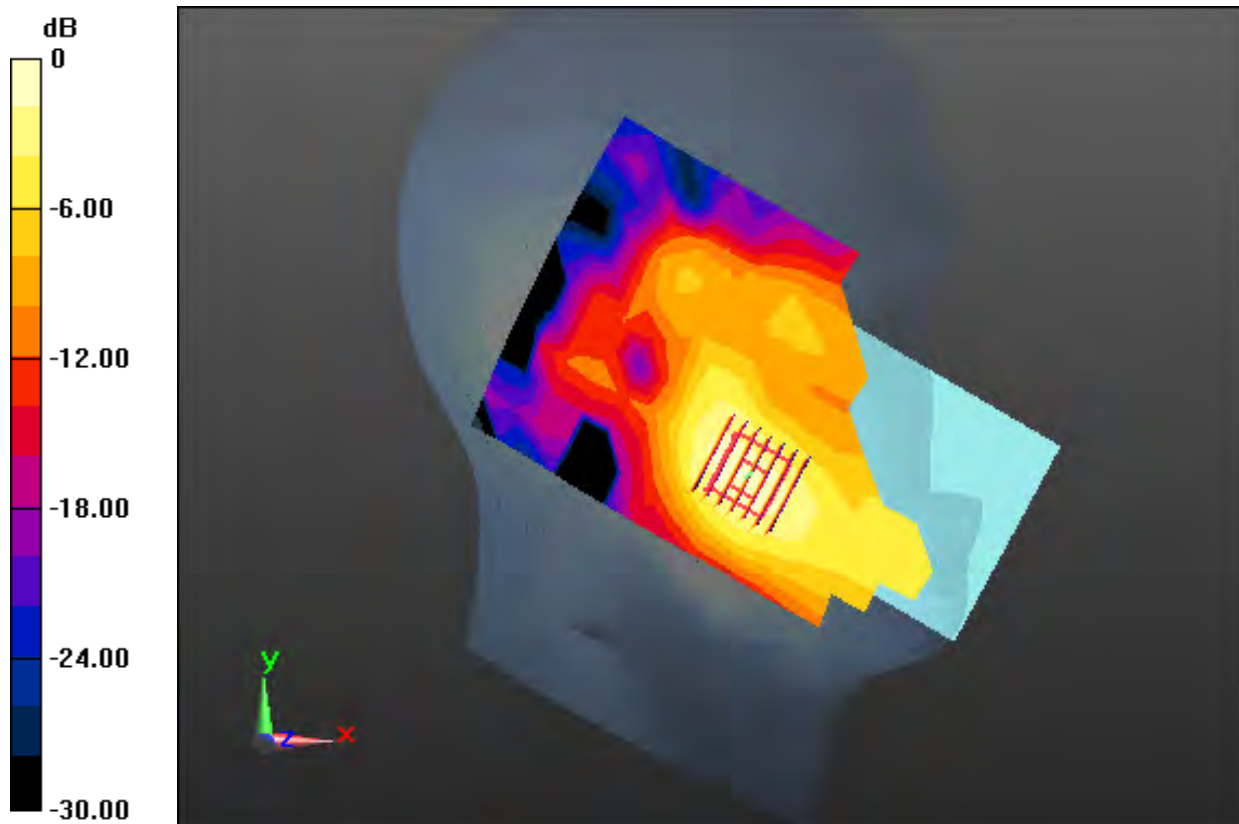
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.10 dB

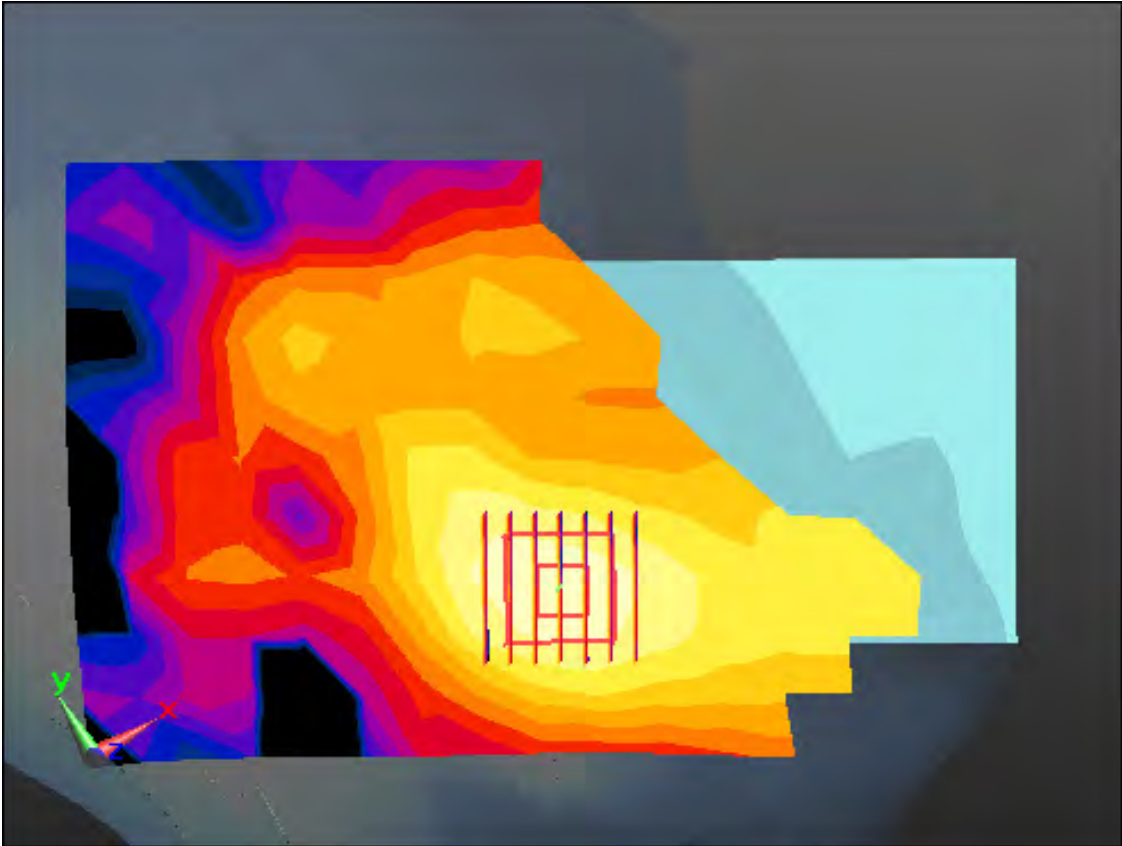
Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.046 W/kg**



0 dB = 0.140 W/kg





Enlarged Plot for A14

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, 00\_2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.846$  S/m;  $\epsilon_r = 39.416$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.2, 7.2, 7.2); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-14; Ambient Temp: 21.4; Tissue Temp: 21.2

## Right Touch, WLAN(802.11b) Ch. 6, Ant Internal, Standard Battery, Ant.1

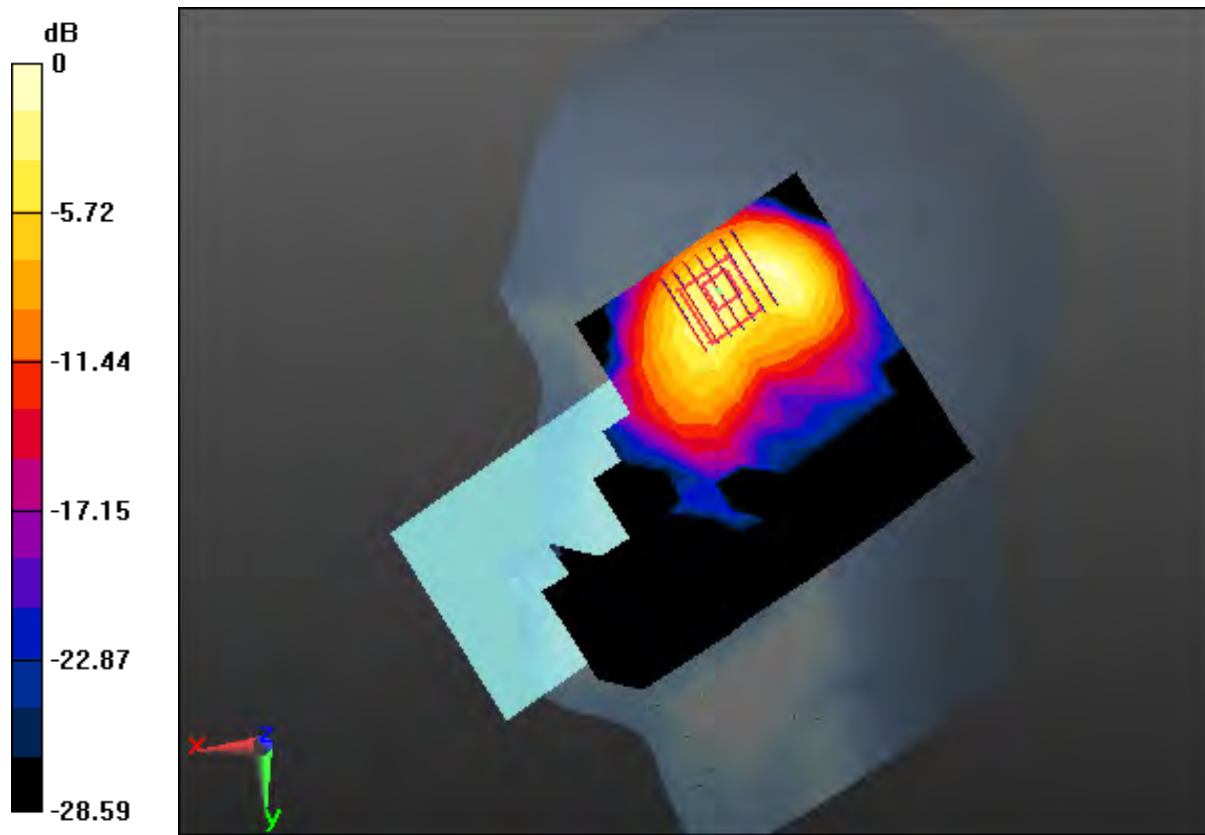
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

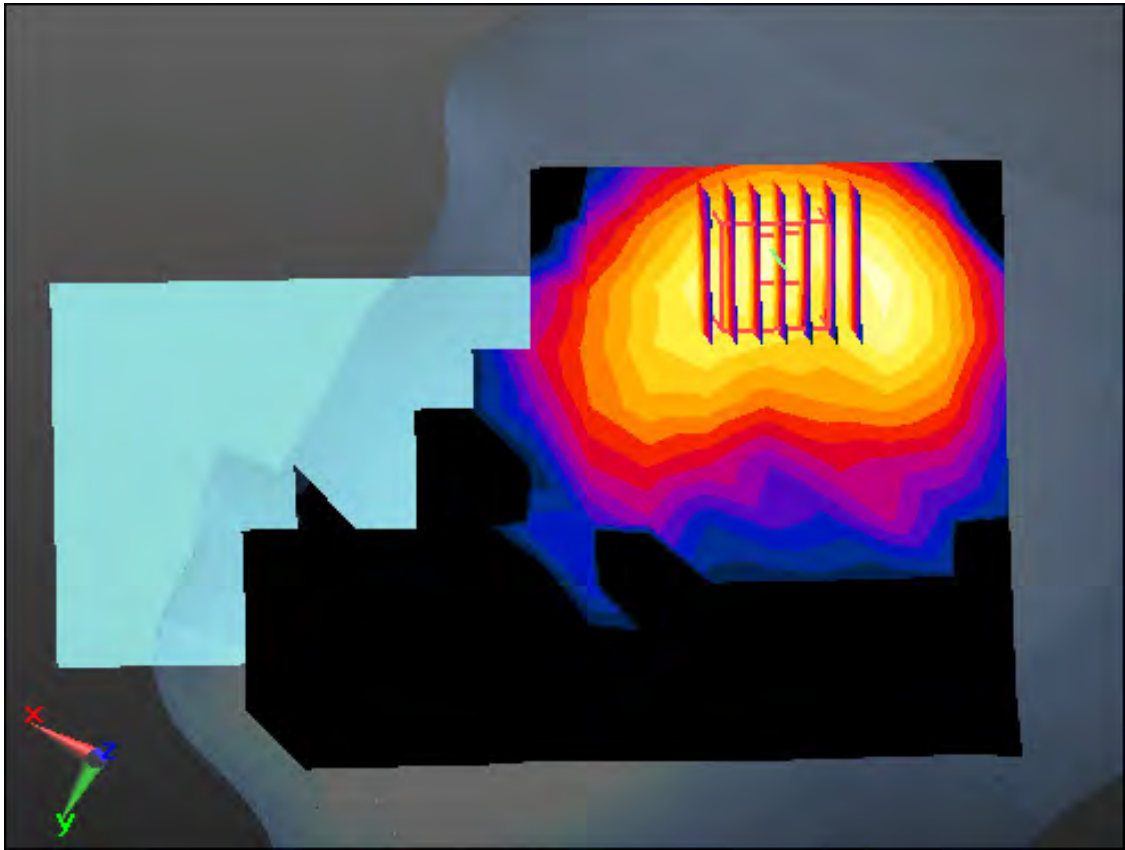
Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.186 W/kg**



0 dB = 0.693 W/kg



Enlarged Plot for A15

# DT&C Co., Ltd.

## **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.874$  S/m;  $\epsilon_r = 39.342$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.2, 7.2, 7.2); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-14; Ambient Temp: 21.4; Tissue Temp: 21.2

## **Right Touch, WLAN(802.11b) Ch. 11, Ant Internal, Standard Battery, Ant.2**

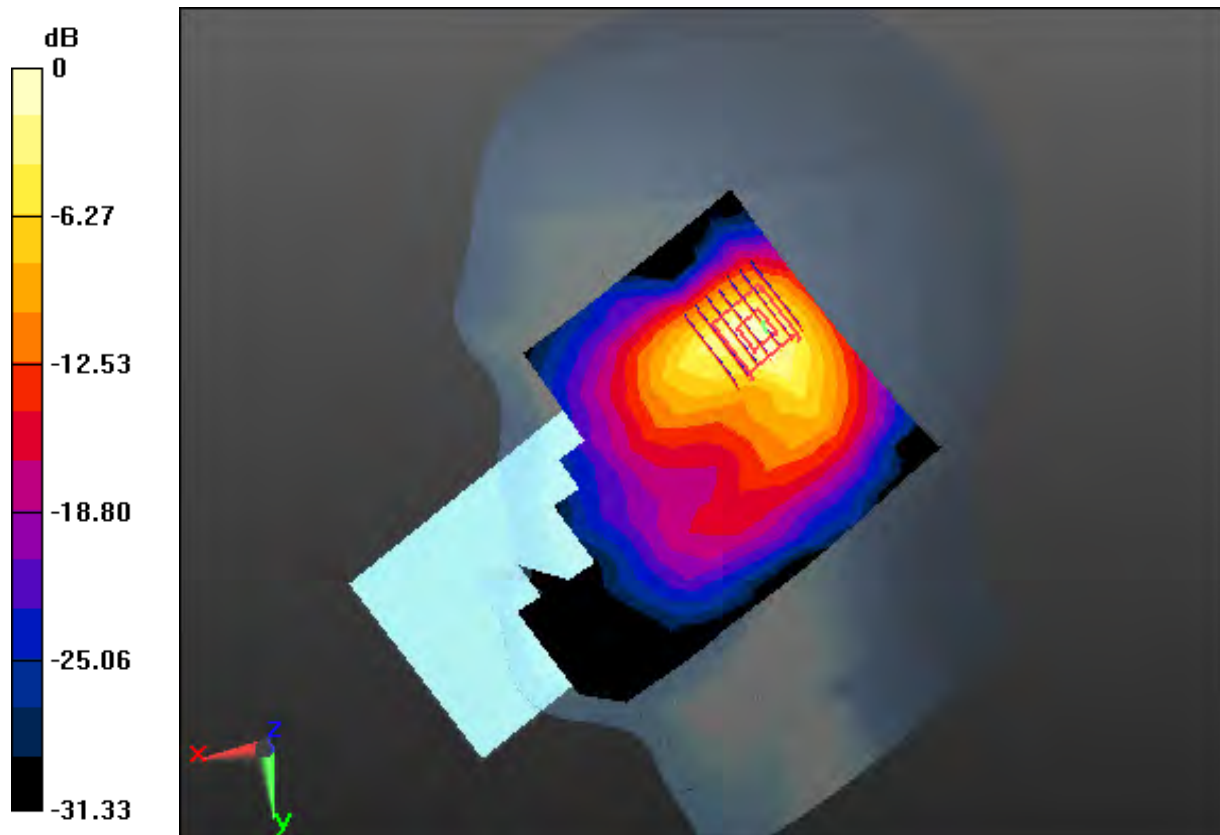
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

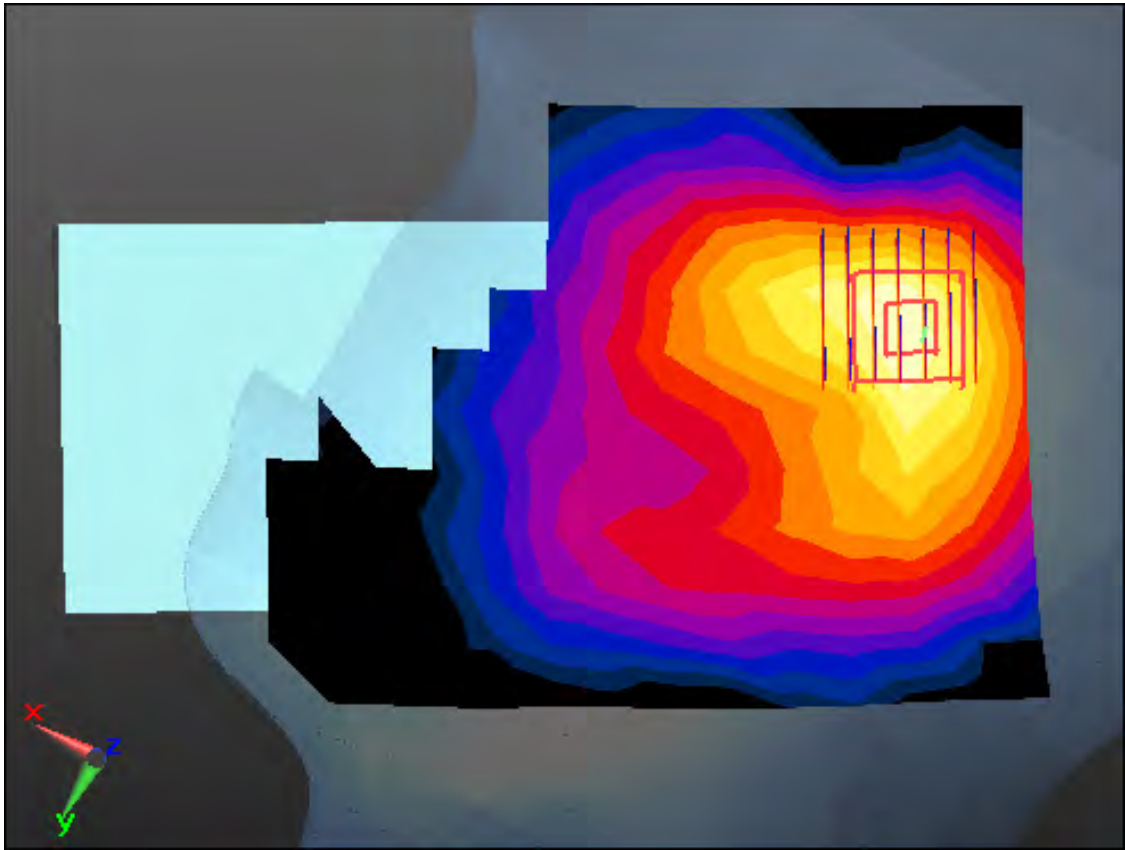
Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.277 W/kg**



0 dB = 1.22 W/kg



Enlarged Plot for A16

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.874$  S/m;  $\epsilon_r = 39.342$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.2, 7.2, 7.2); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-14; Ambient Temp: 21.4; Tissue Temp: 21.2

## Right Touch, WLAN(802.11g) Ch. 11, Ant Internal, Standard Battery, MIMO

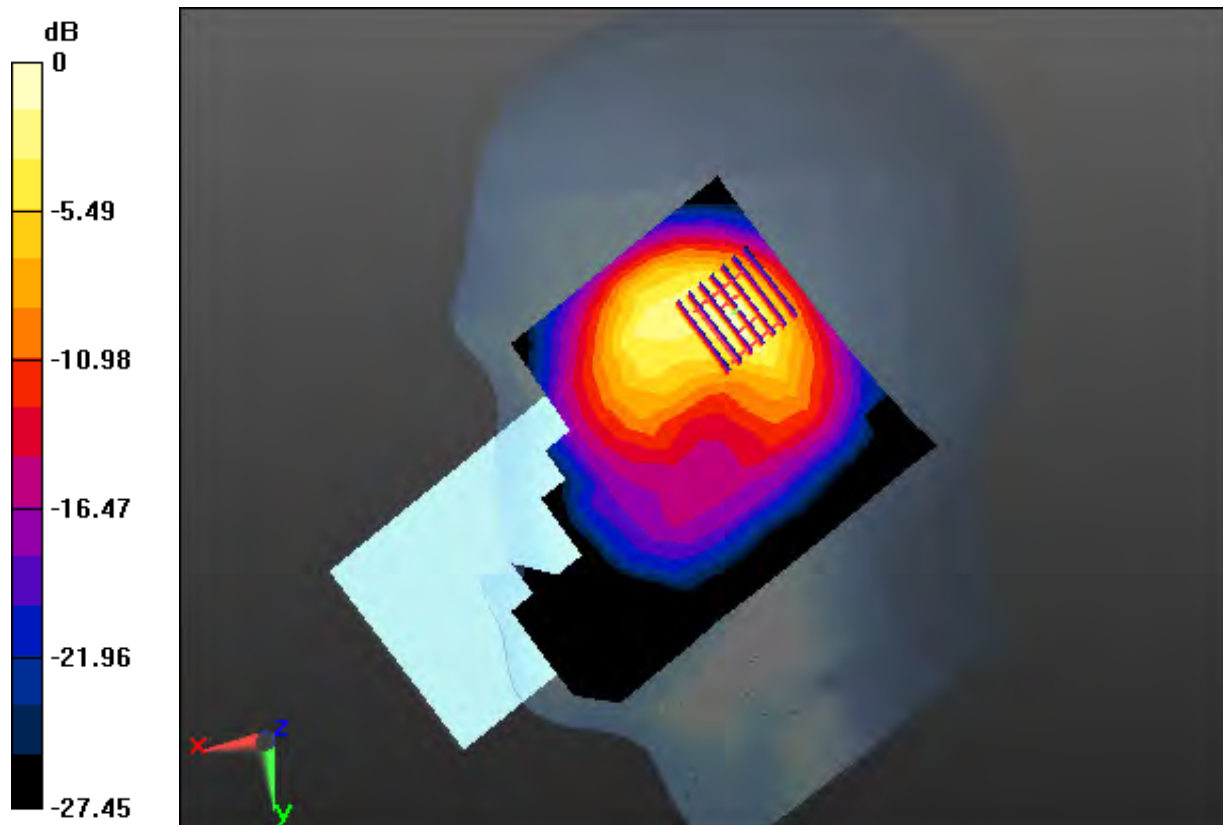
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

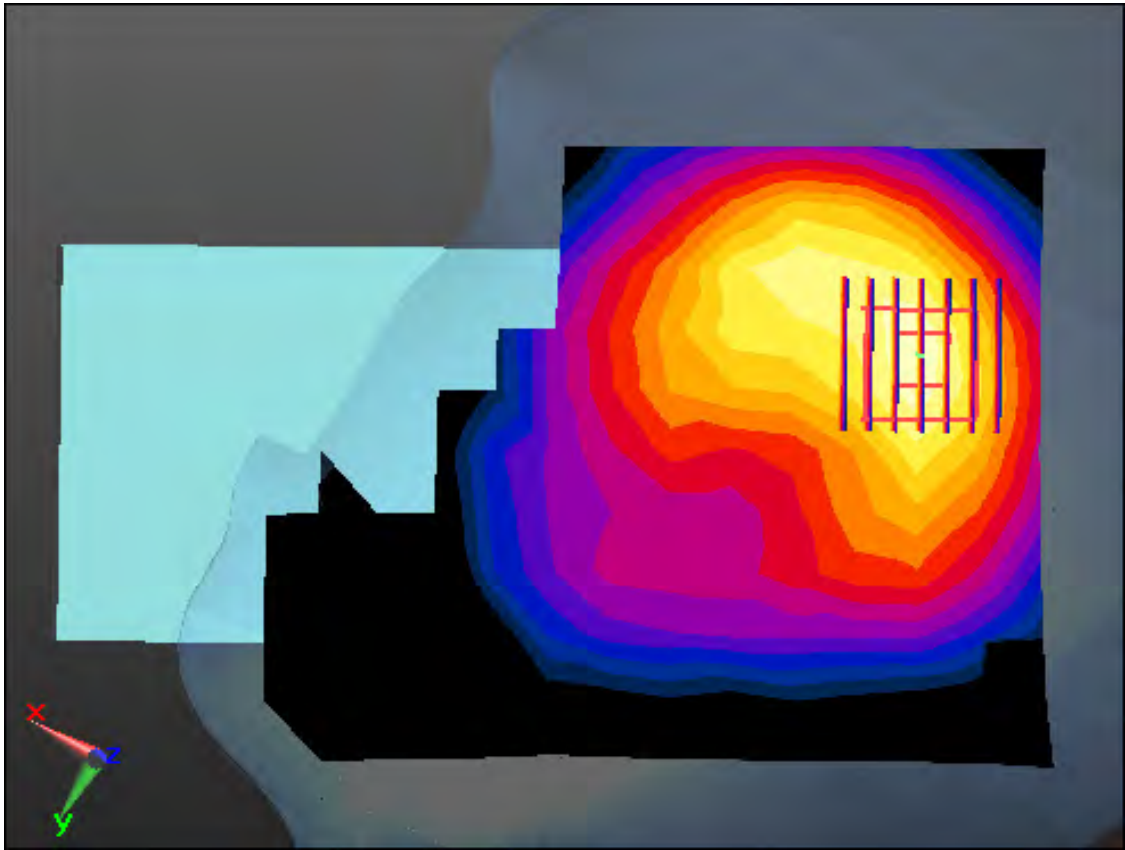
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.345 W/kg**



0 dB = 1.32 W/kg



Enlarged Plot for A17

# DT&C Co., Ltd.

## **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.817$  S/m;  $\epsilon_r = 35.285$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.89, 4.89, 4.89); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.2; Tissue Temp: 20.1

## **Right Touch, WLAN(802.11a) Ch. 52, Ant Internal, Standard Battery, Ant.1**

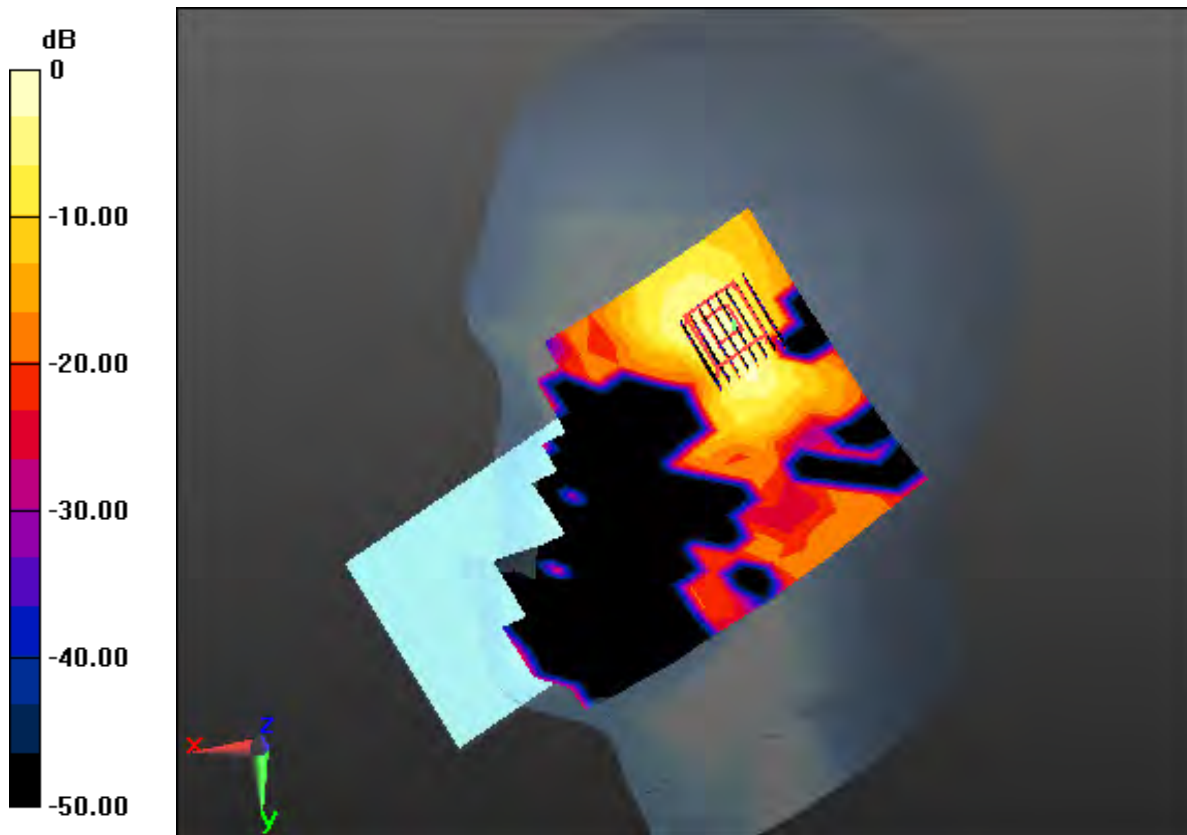
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.13 dB

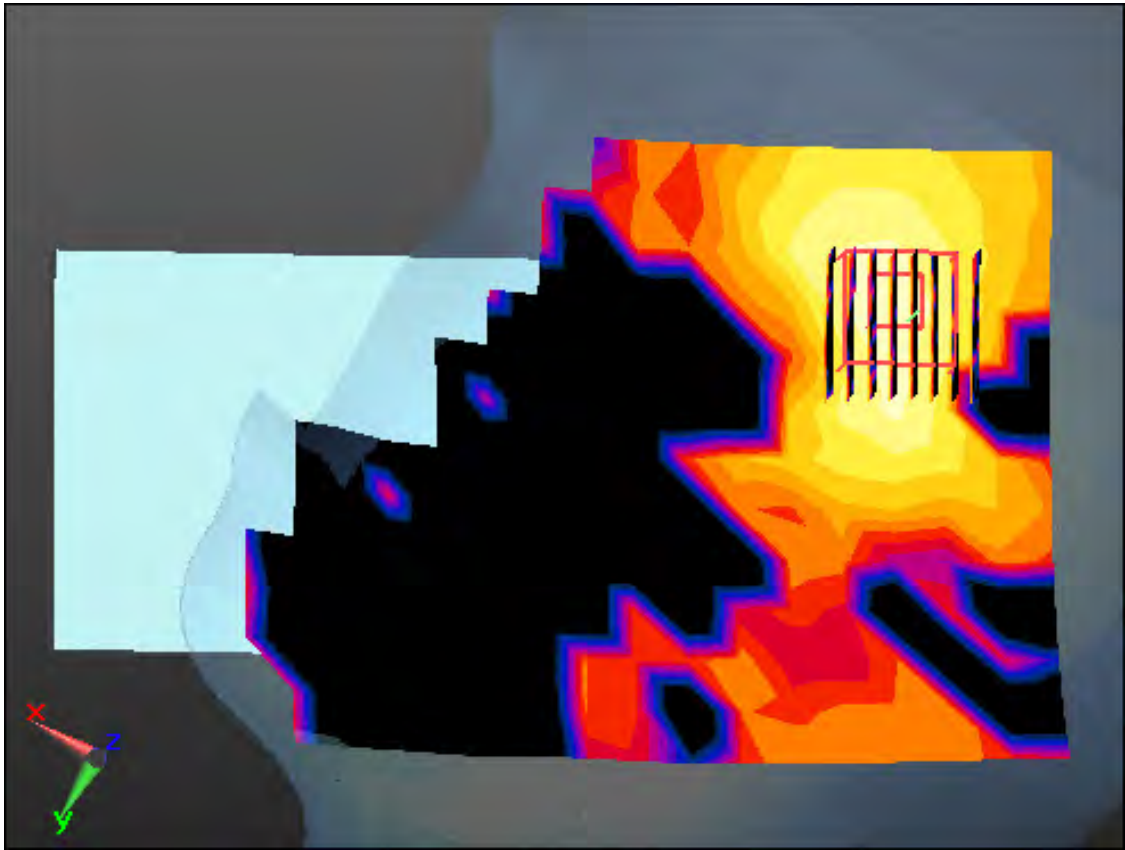
Peak SAR (extrapolated) = 0.221 W/kg

**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.019 W/kg**



0 dB = 0.137 W/kg





Enlarged Plot for A18

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, W-LAN(5G) (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.884$  S/m;  $\epsilon_r = 35.183$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.89, 4.89, 4.89); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-23; Ambient Temp: 20.2; Tissue Temp: 20.1

## Right Touch, WLAN(802.11a) Ch. 64, Ant Internal, Standard Battery, Ant.2

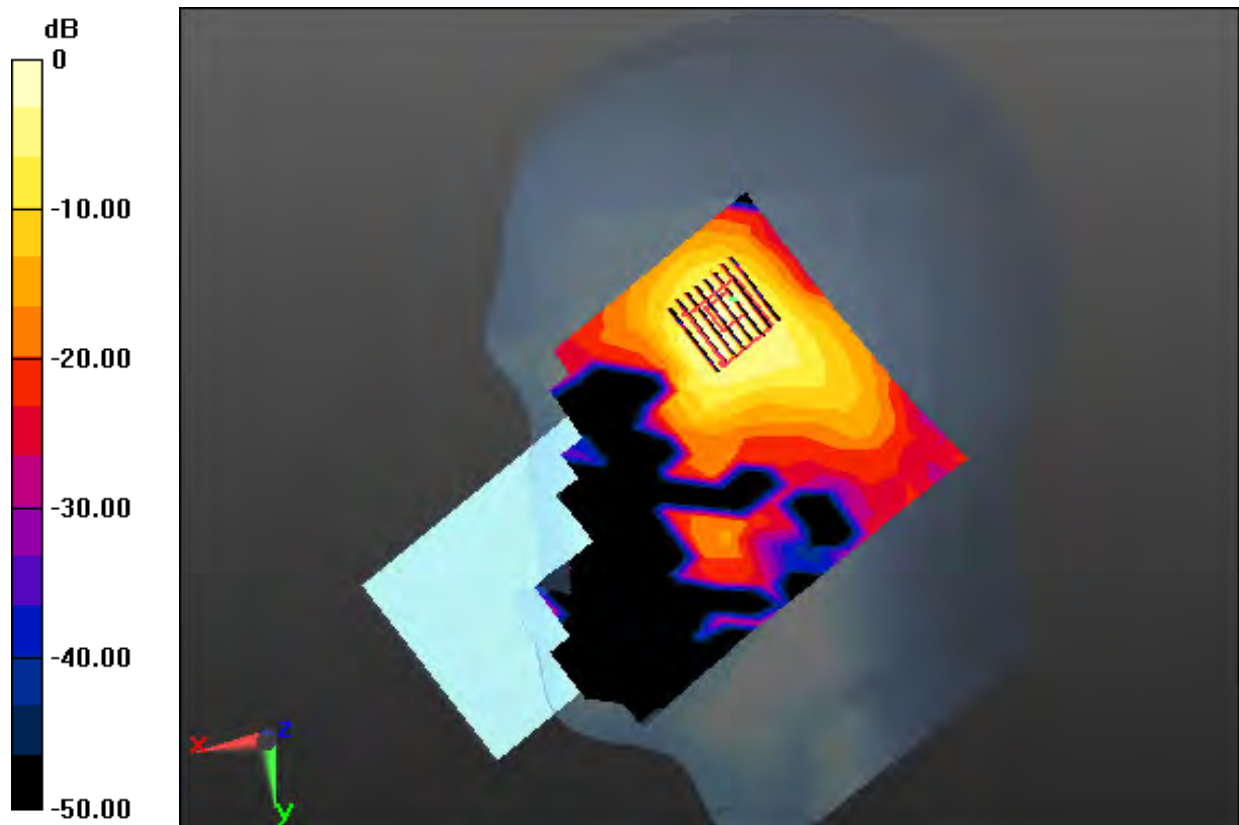
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

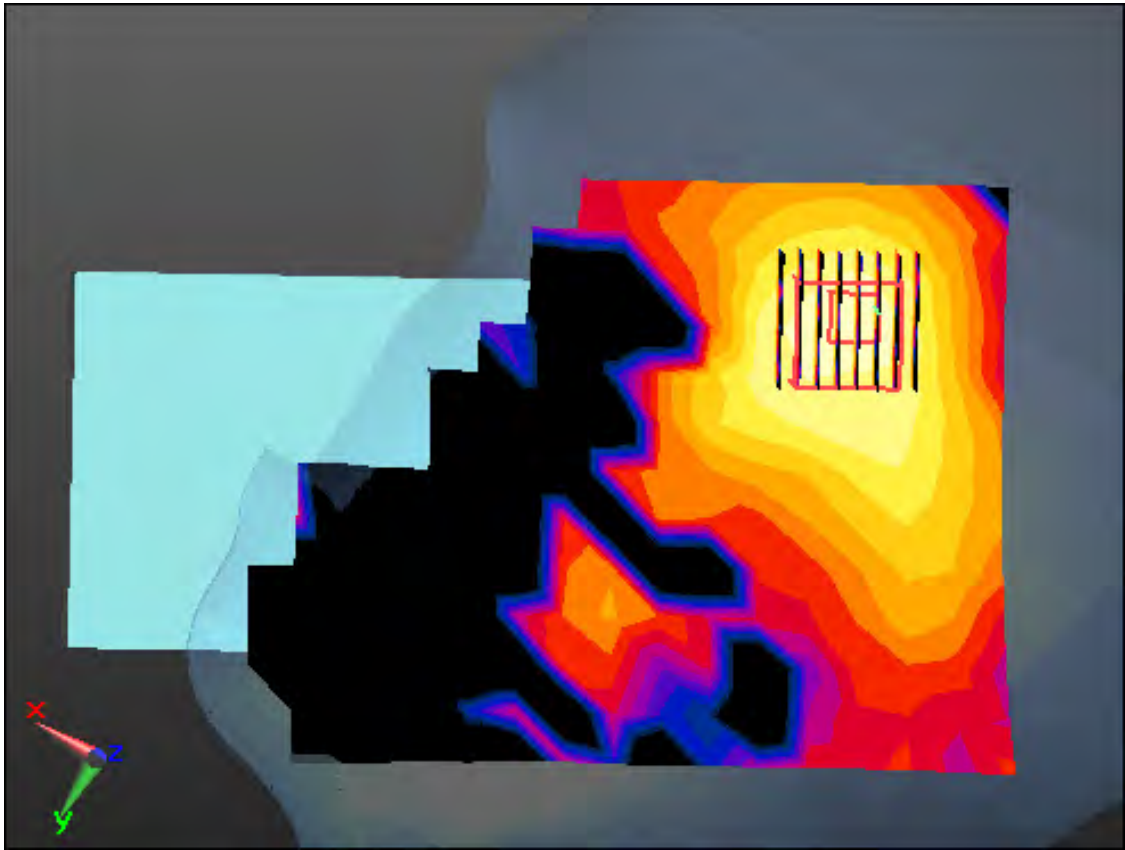
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.15 W/kg

**SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.185 W/kg**



0 dB = 1.27 W/kg



Enlarged Plot for A19

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, W-LAN(5G) (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.817$  S/m;  $\epsilon_r = 35.285$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.89, 4.89, 4.89); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-23; Ambient Temp: 20.2; Tissue Temp: 20.1

## Right Touch, WLAN(802.11a) Ch. 52, Ant Internal, Standard Battery, MIMO

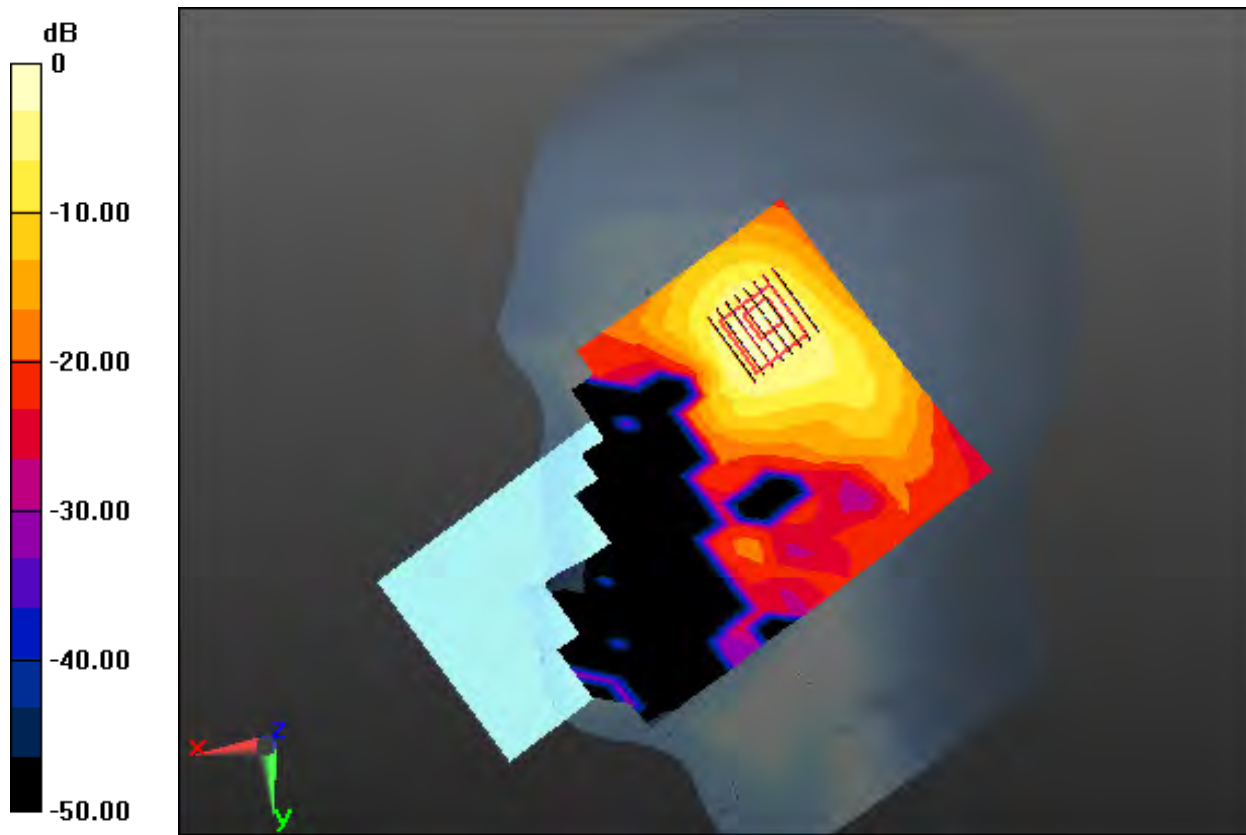
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

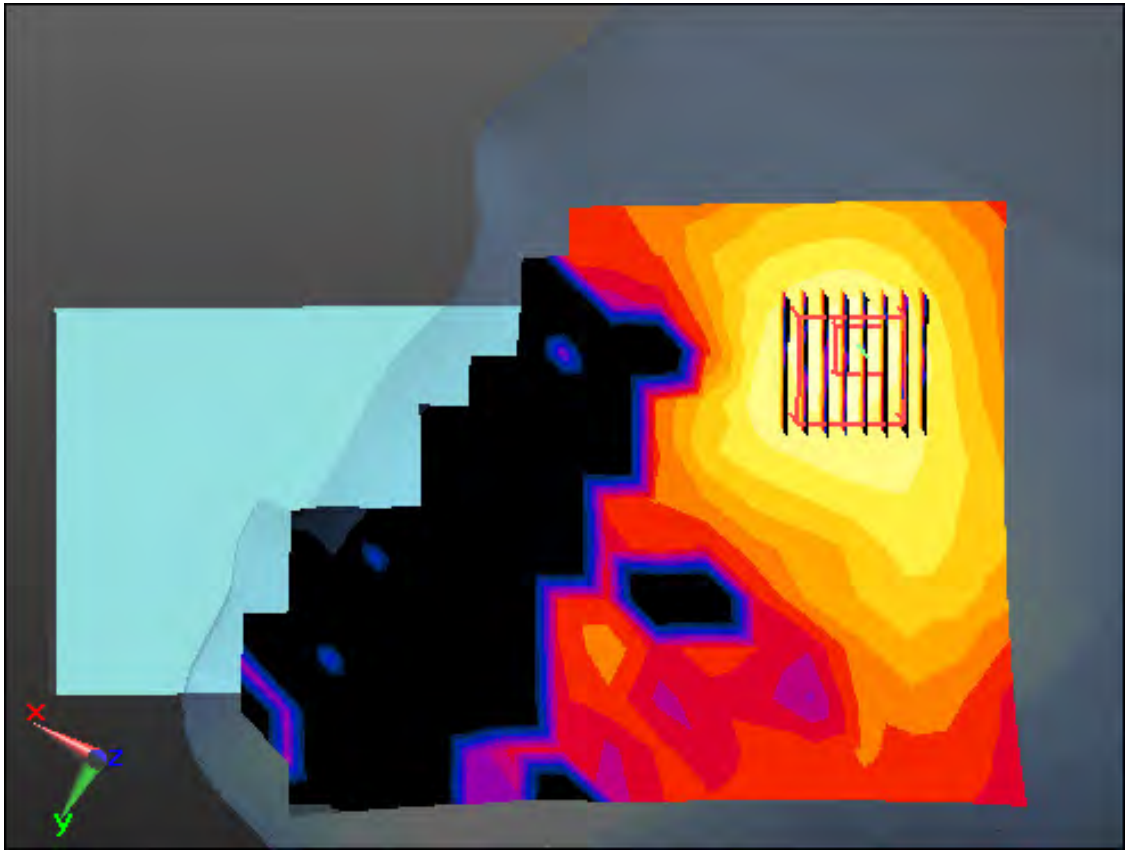
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.16 W/kg

**SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.196 W/kg**



0 dB = 1.32 W/kg



Enlarged Plot for A20

# DT&C Co., Ltd.

## **DUT: LM-G900EMW; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.224$  S/m;  $\epsilon_r = 35.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.42, 4.42, 4.42); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-24; Ambient Temp: 20.2; Tissue Temp: 20.0

## **Right Touch, WLAN(802.11a) Ch. 120, Ant Internal, Standard Battery, Ant.1**

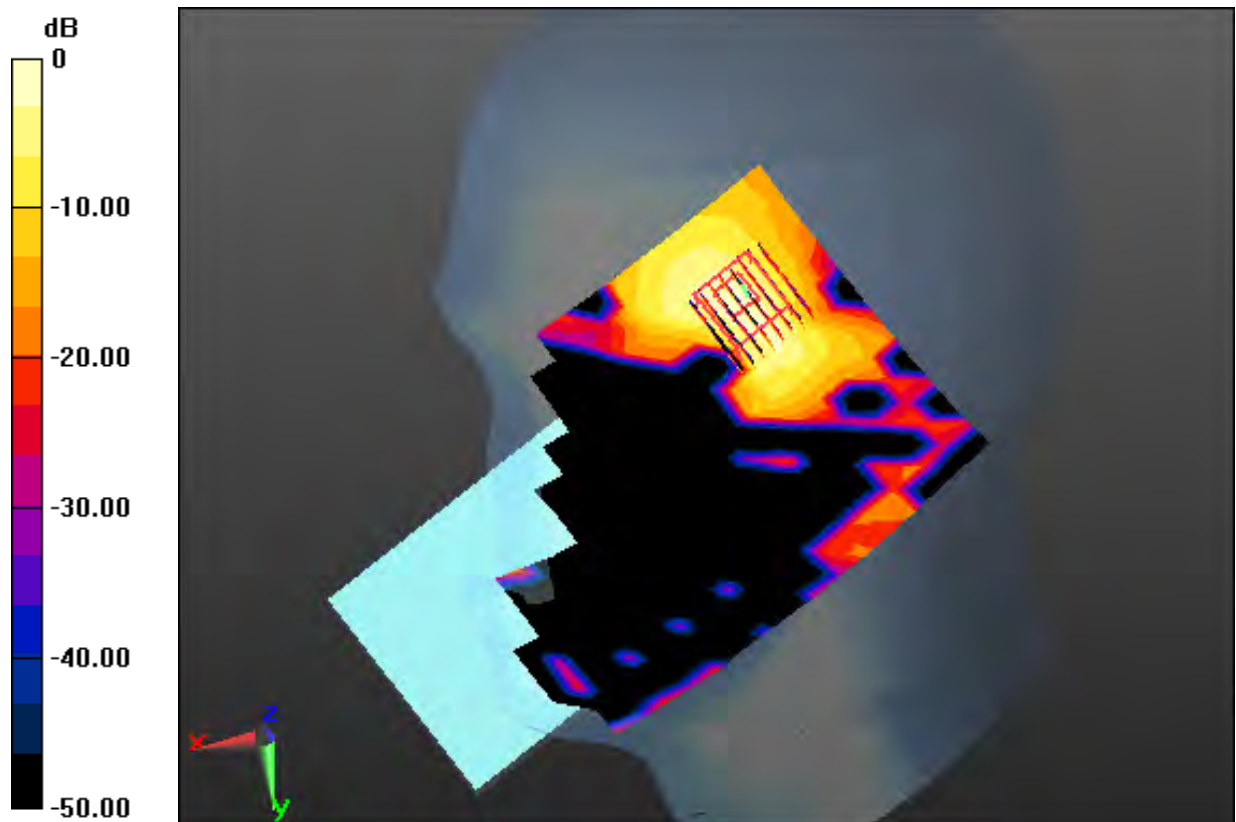
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

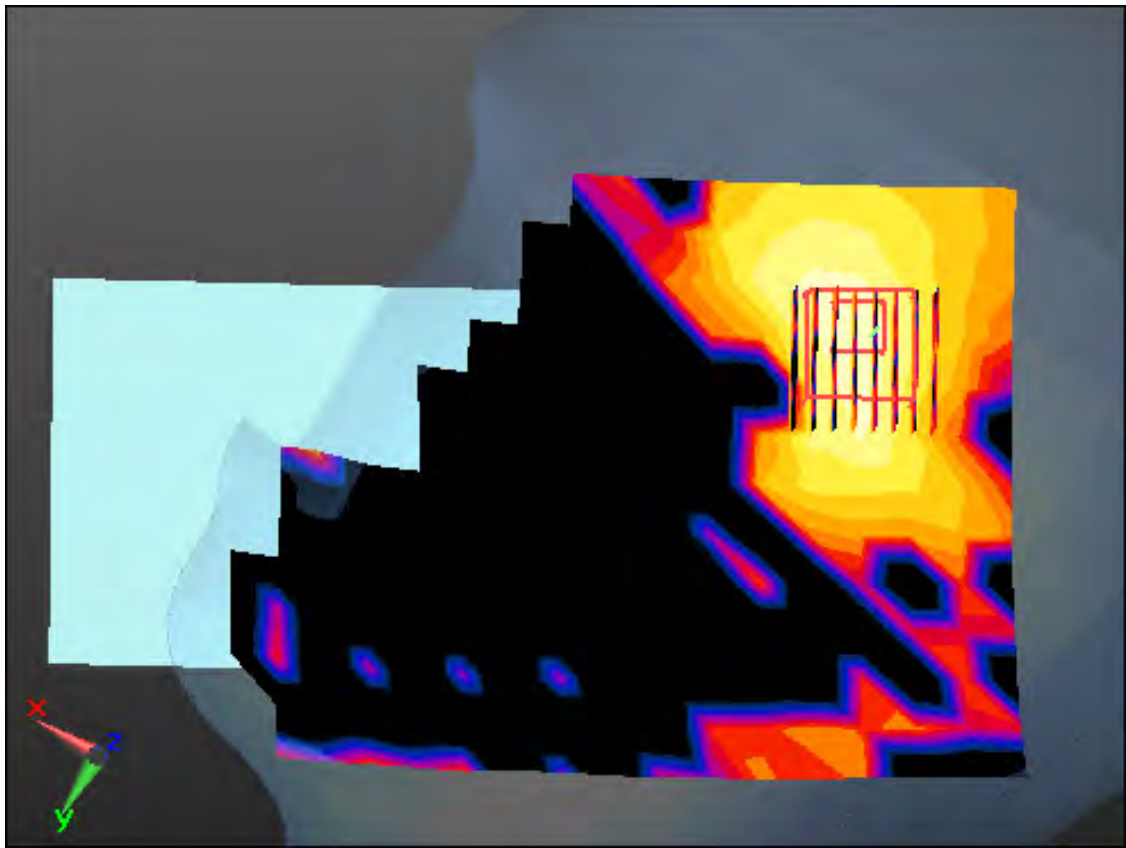
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.748 W/kg

**SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.058 W/kg**



0 dB = 0.487 W/kg



Enlarged Plot for A21

# DT&C Co., Ltd.

## DUT: LM-G900EMW; Type: Bar

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.224$  S/m;  $\epsilon_r = 35.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.42, 4.42, 4.42); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-24; Ambient Temp: 20.2; Tissue Temp: 20.0

## Right Touch, WLAN(802.11a) Ch. 120, Ant Internal, Standard Battery, Ant.2

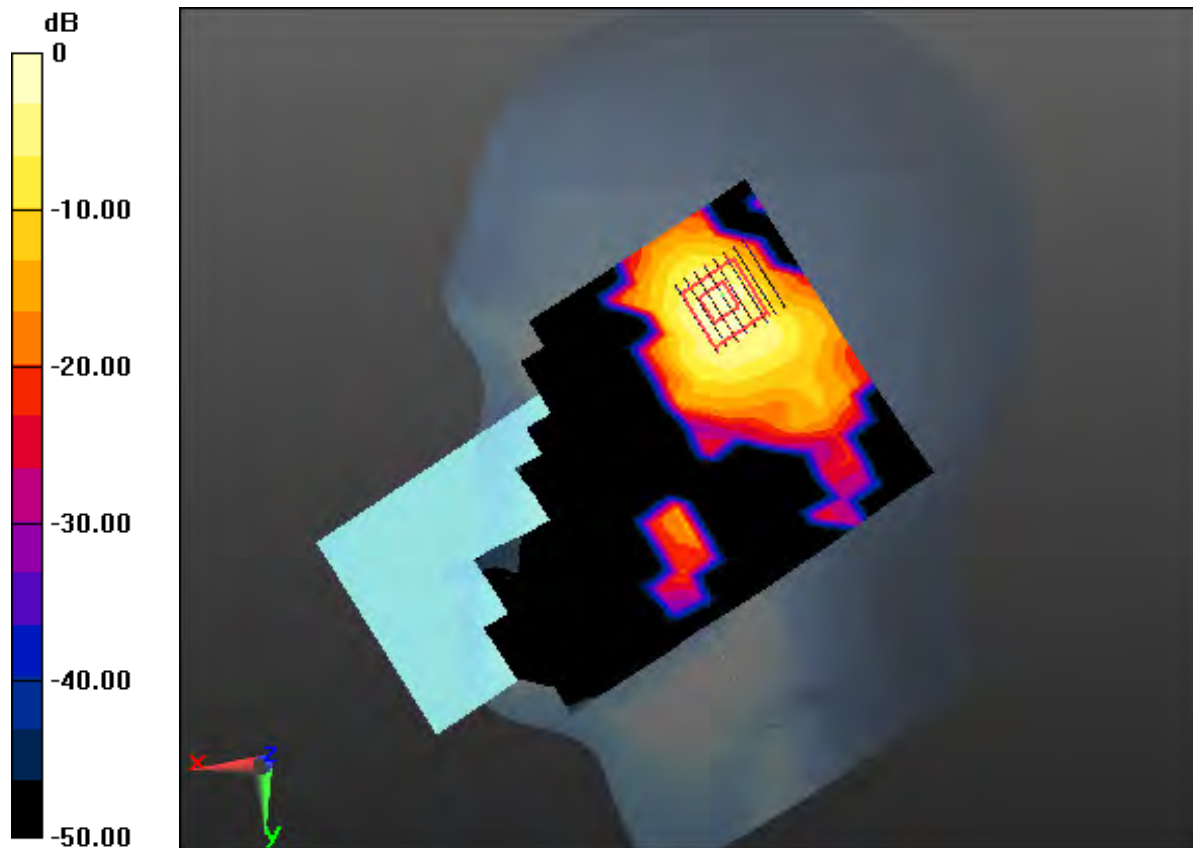
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.14 dB

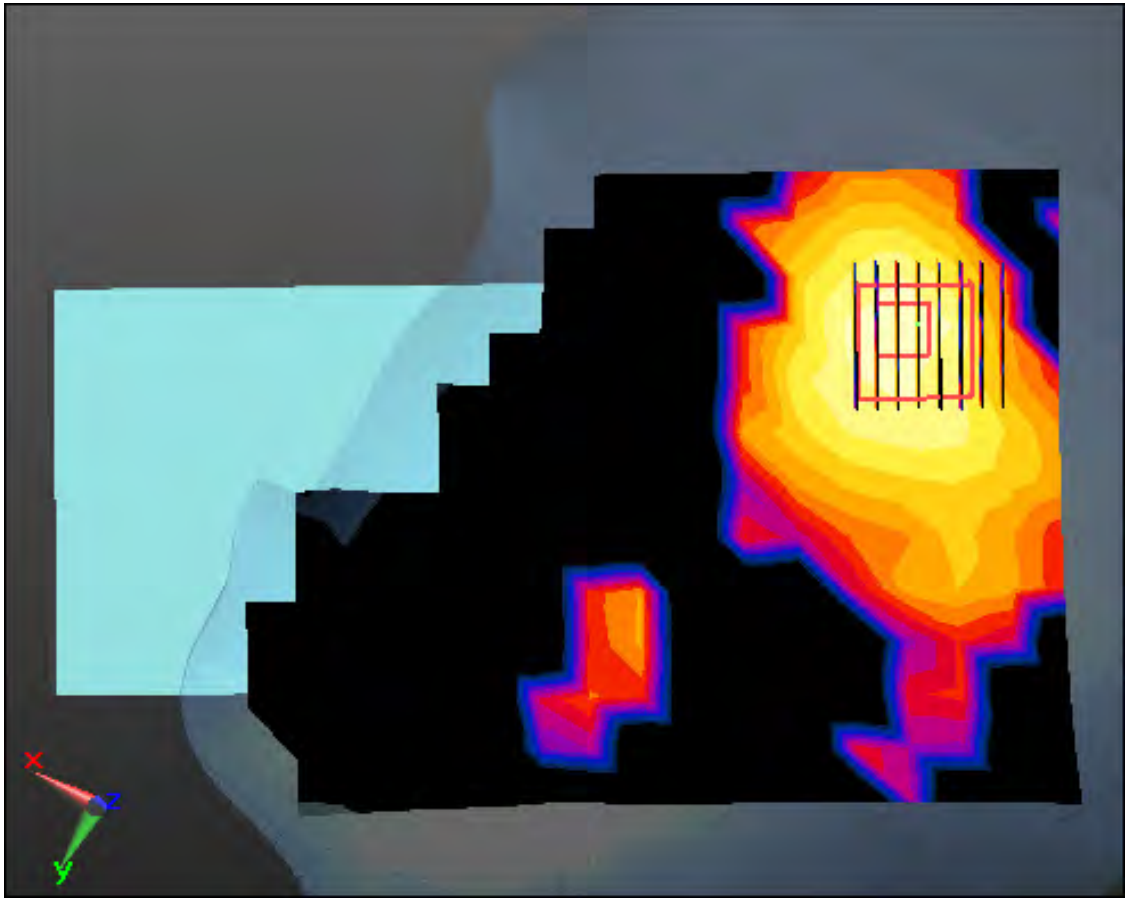
Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.095 W/kg**



0 dB = 0.778 W/kg





Enlarged Plot for A22

# DT&C Co., Ltd.

## DUT: LM-G900EMW; Type: Bar

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.224$  S/m;  $\epsilon_r = 35.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.42, 4.42, 4.42); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-24; Ambient Temp: 20.2; Tissue Temp: 20.0

## Right Touch, WLAN(802.11a) Ch. 120, Ant Internal, Standard Battery, MIMO

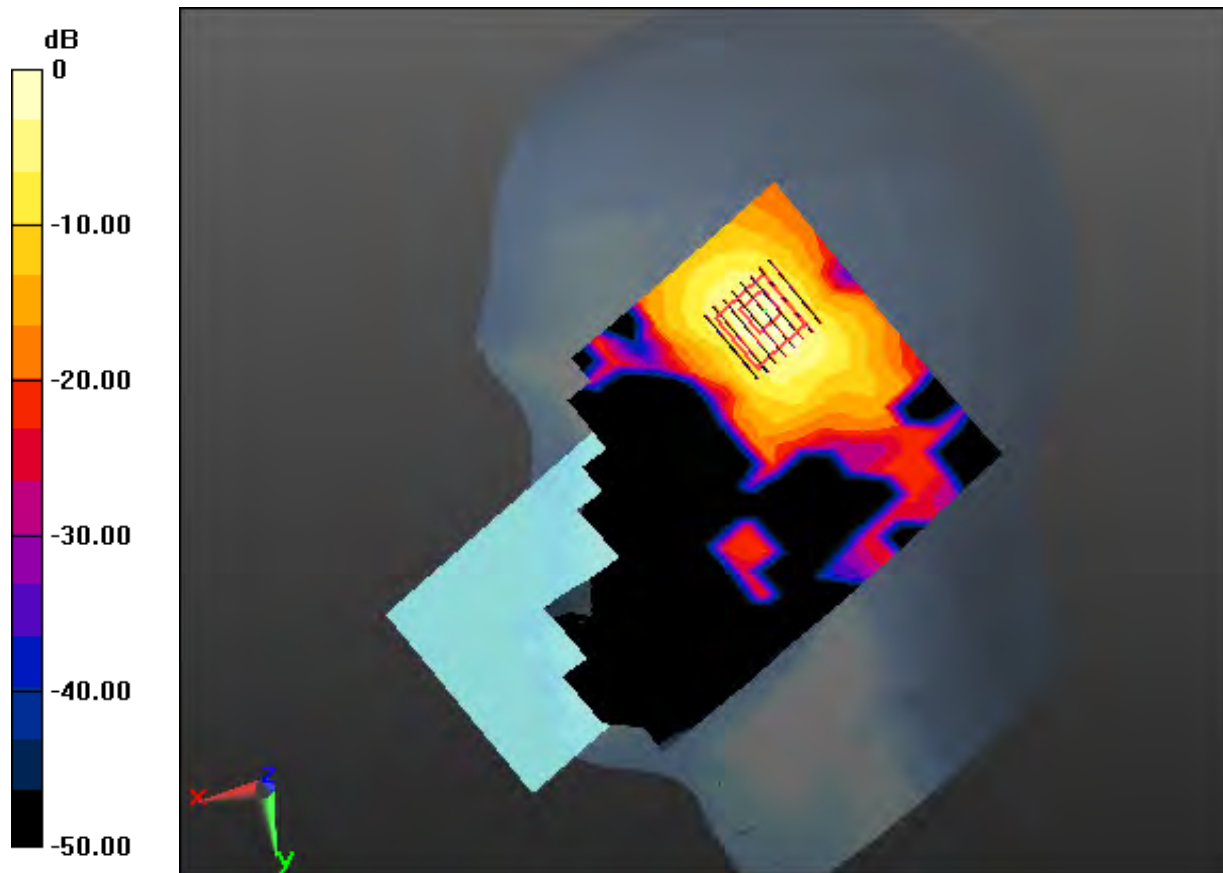
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

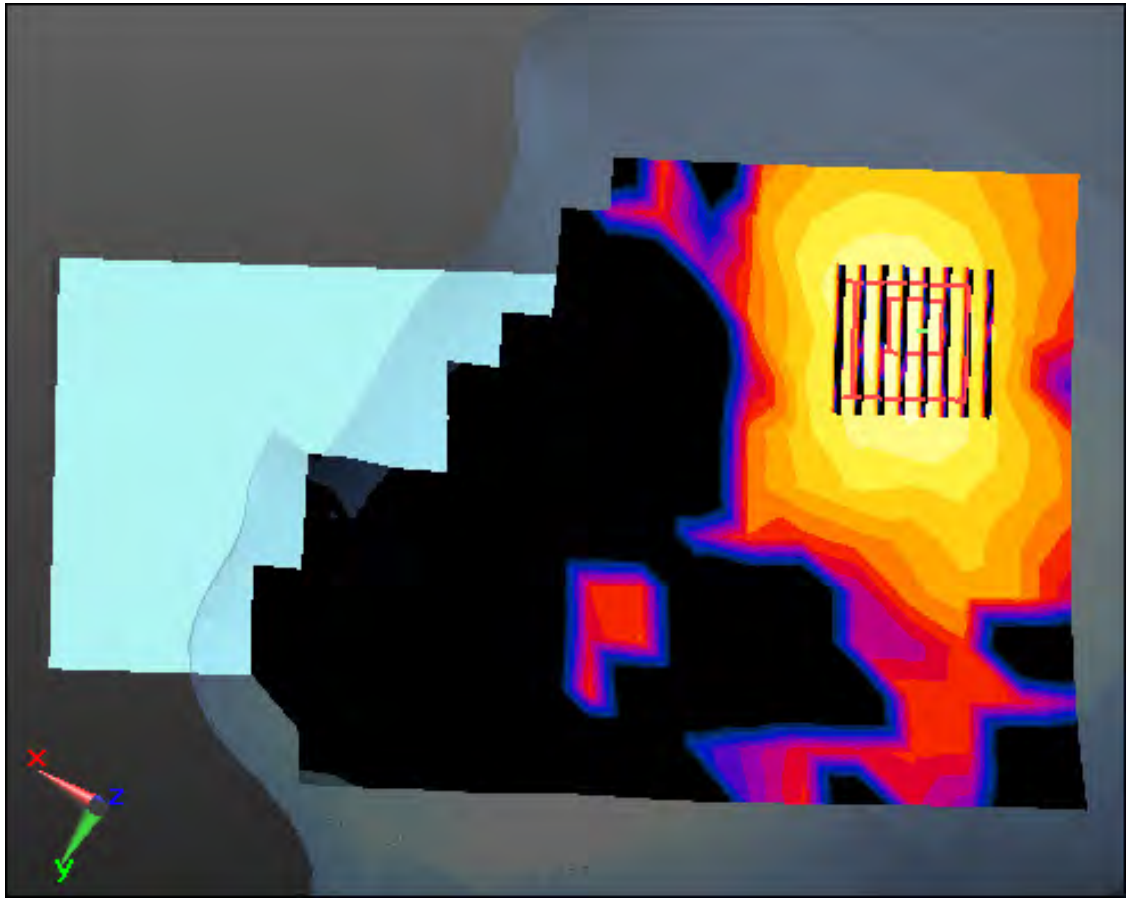
Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.97 W/kg

**SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.156 W/kg**



0 dB = 1.19 W/kg



Enlarged Plot for A23

# DT&C Co., Ltd.

## **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.5 \text{ S/m}$ ;  $\epsilon_r = 34.814$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.6, 4.6, 4.6); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-25; Ambient Temp: 20.3; Tissue Temp: 20.1

## **Right Tilt, WLAN(802.11a) Ch. 165, Ant Internal, Standard Battery, Ant.1**

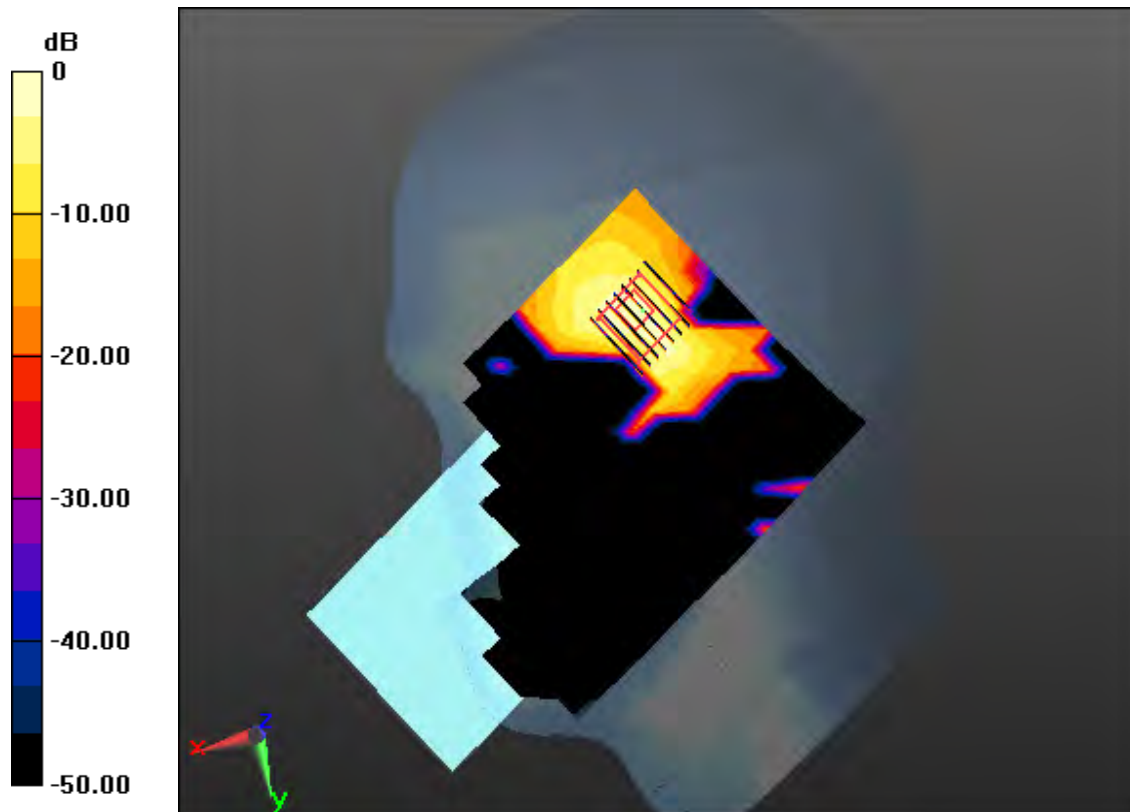
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

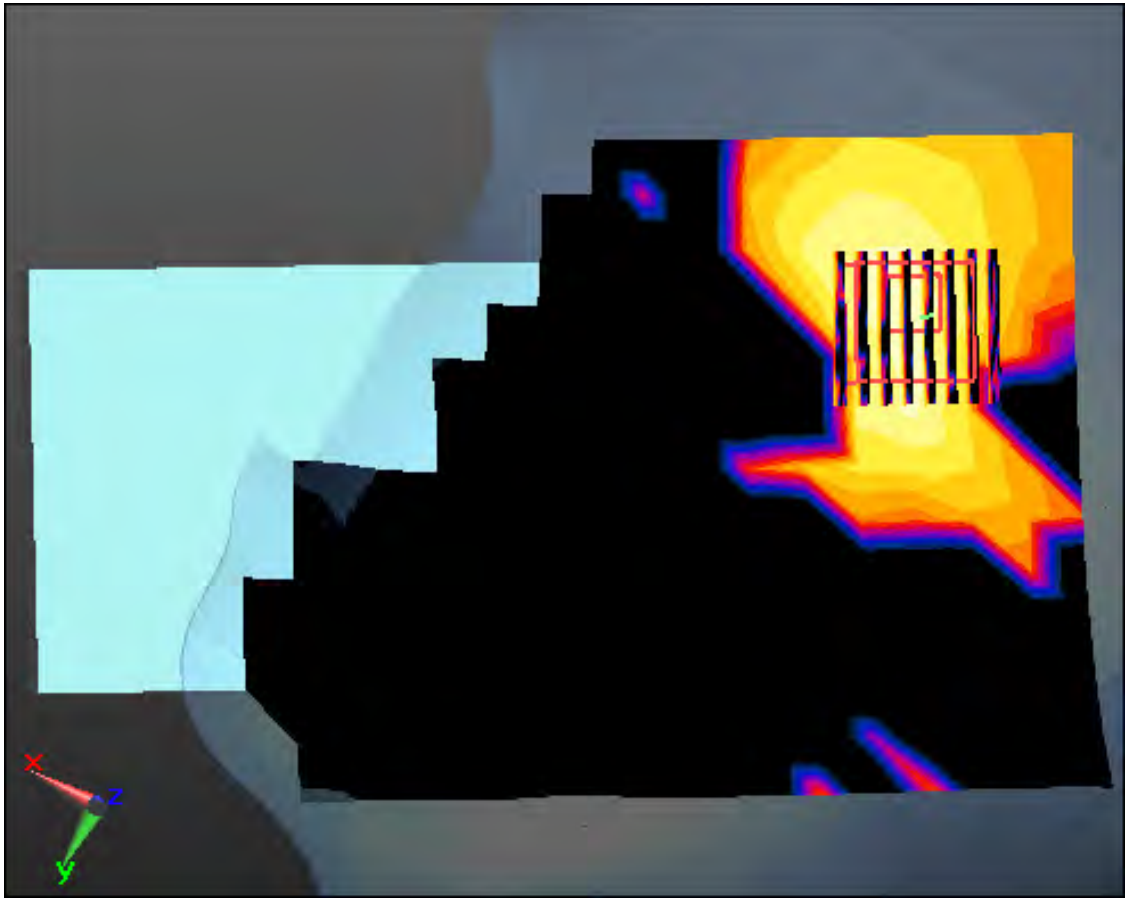
Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.479 W/kg

**SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.030 W/kg**



0 dB = 0.276 W/kg



Enlarged Plot for A24

# DT&C Co., Ltd.

## **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825$  MHz;  $\sigma = 5.5$  S/m;  $\epsilon_r = 34.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.6, 4.6, 4.6); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-25; Ambient Temp: 20.3; Tissue Temp: 20.1

## **Right Touch, WLAN(802.11a) Ch. 165, Ant Internal, Standard Battery, Ant.2**

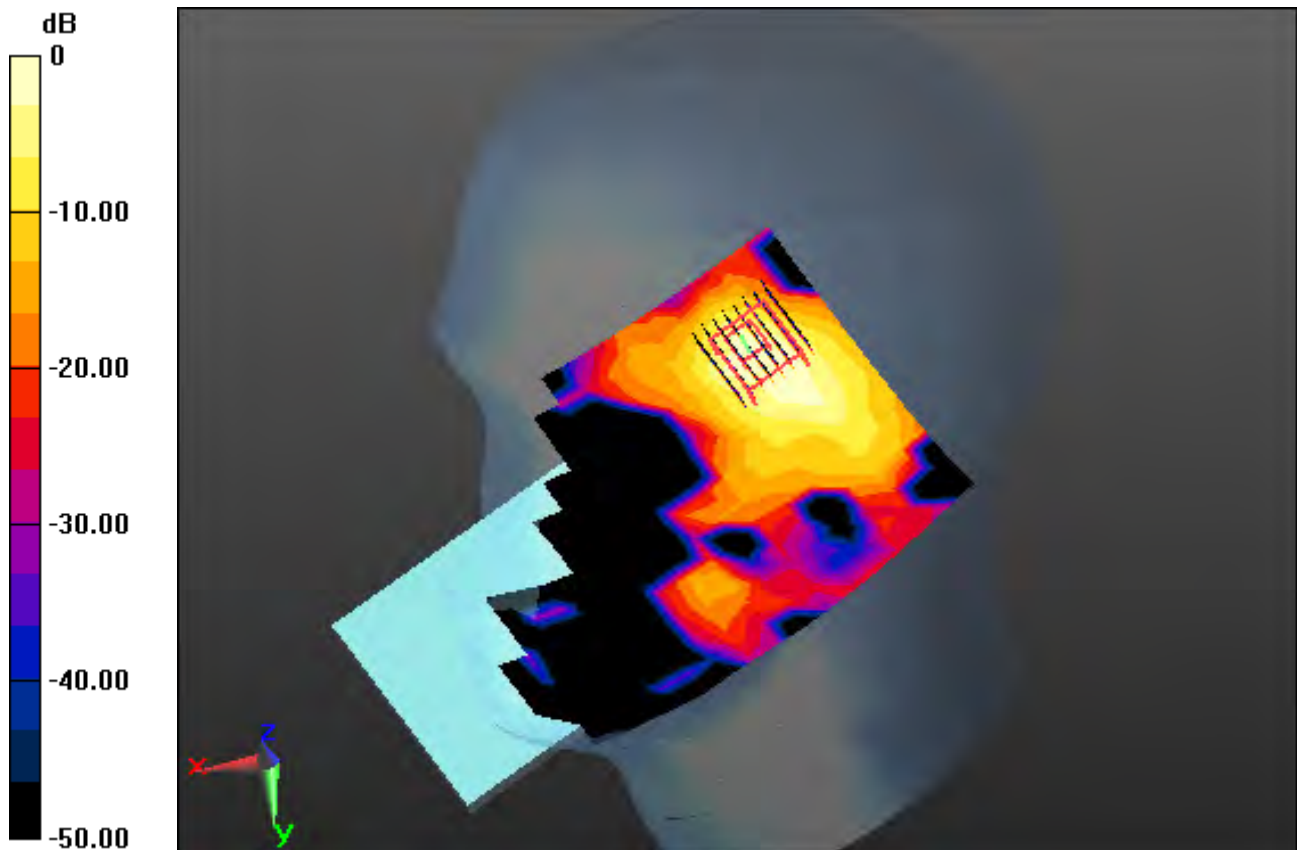
**Area Scan (13x21x1):** Measurement grid: dx=10mm, dy=10mm

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

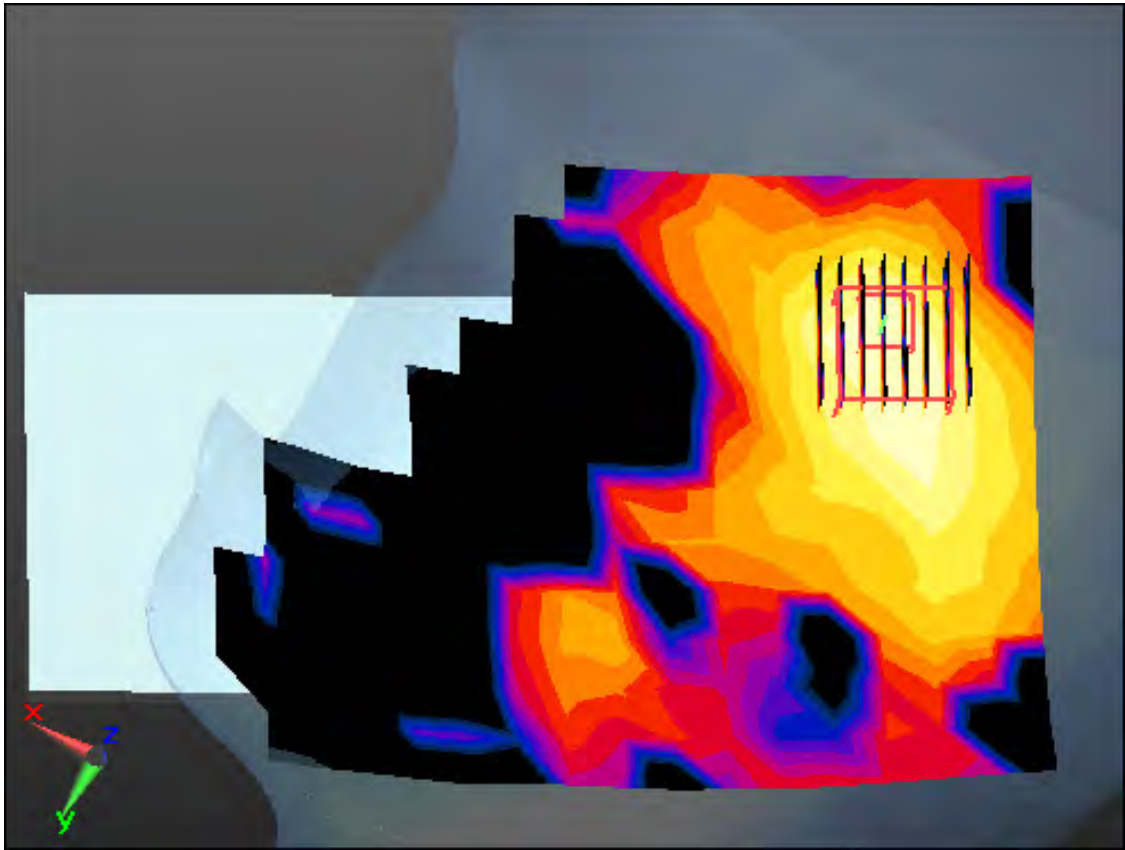
Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.101 W/kg**



0 dB = 0.855 W/kg



Enlarged Plot for A25

# DT&C Co., Ltd.

## **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, W-LAN\_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.5 \text{ S/m}$ ;  $\epsilon_r = 34.814$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.6, 4.6, 4.6); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-25; Ambient Temp: 20.3; Tissue Temp: 20.1

## **Right Touch, WLAN(802.11a) Ch. 165, Ant Internal, Standard Battery, MIMO**

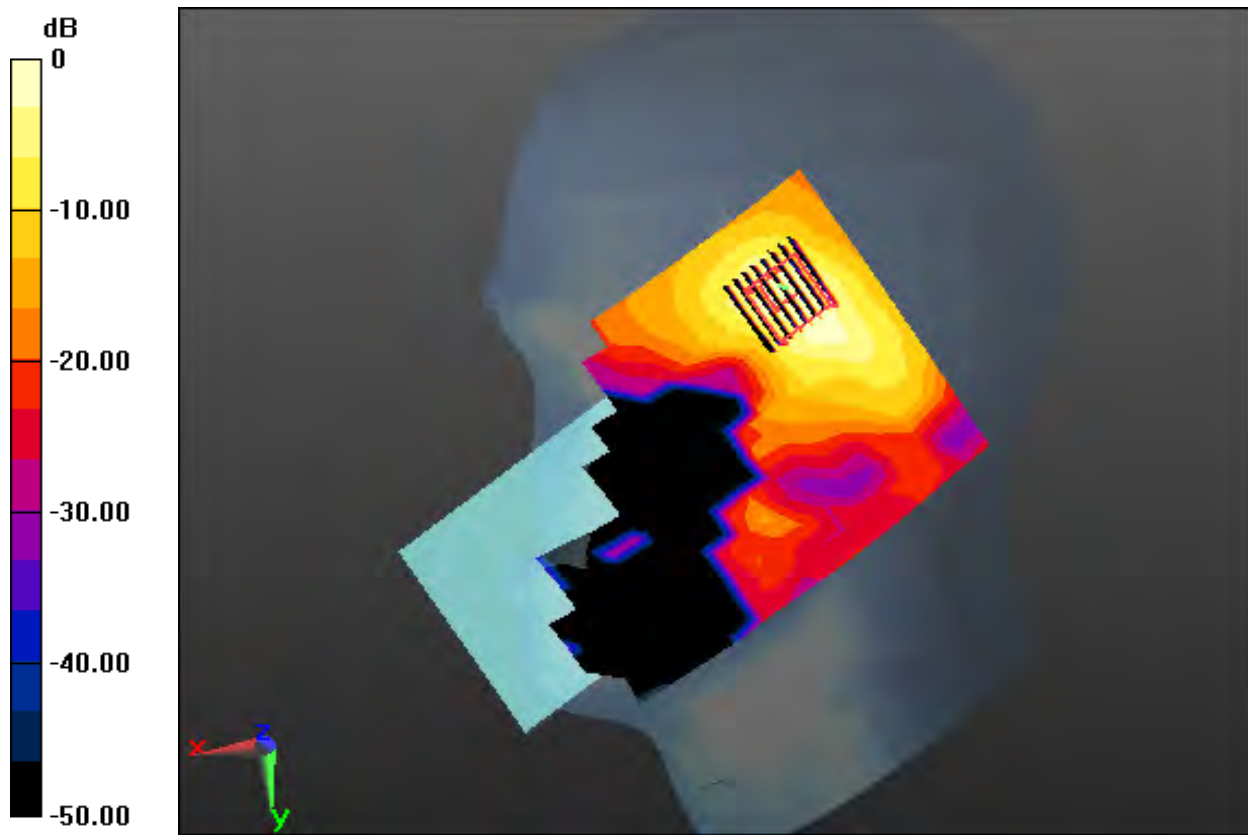
**Area Scan (13x21x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

**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

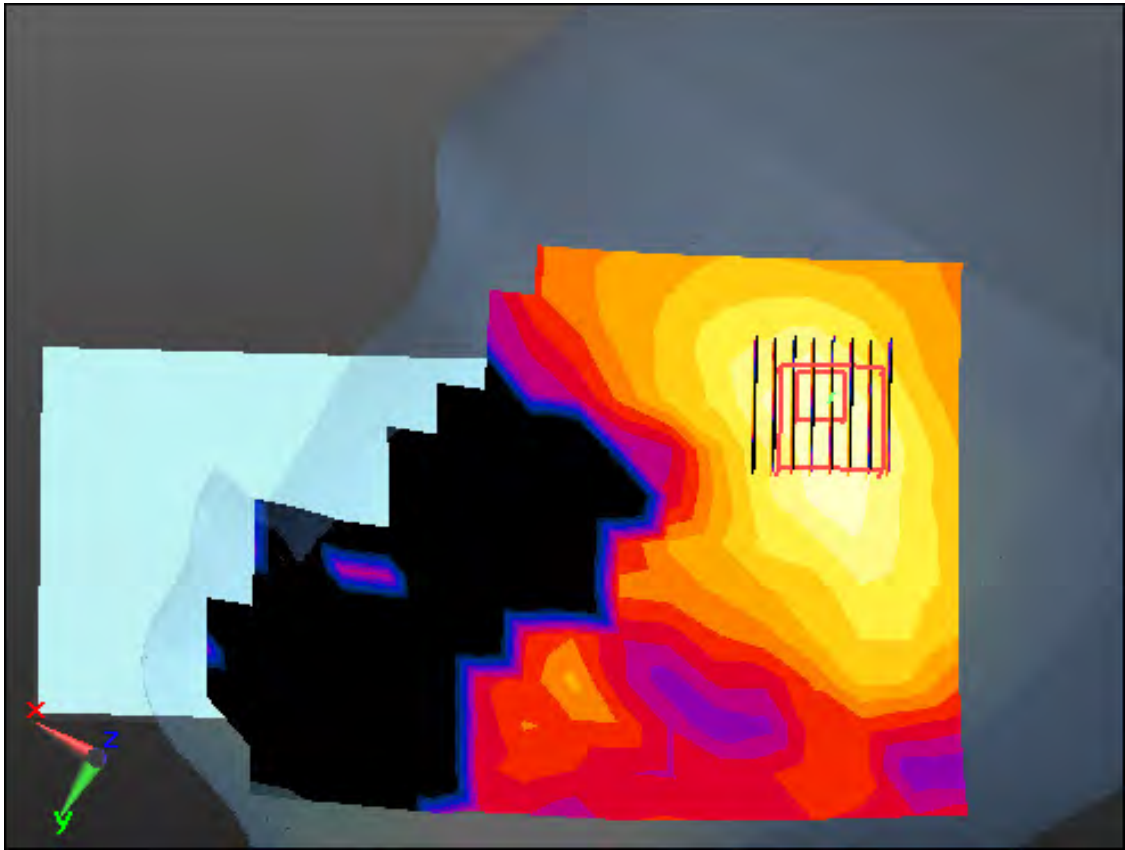
Peak SAR (extrapolated) = 2.38 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.160 W/kg**



0 dB = 1.31 W/kg





Enlarged Plot for A26

# DT&C Co., Ltd.

## **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.85$  S/m;  $\epsilon_r = 39.403$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.2, 7.2, 7.2); Calibrated: 5/27/2020 Electronics: DAE4 Sn1453

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837

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

Test Date: 2020-06-14; Ambient Temp: 21.4; Tissue Temp: 21.2

## **Right Touch, Bluetooth 1Mbps Ch. 39, Ant Internal, Standard Battery**

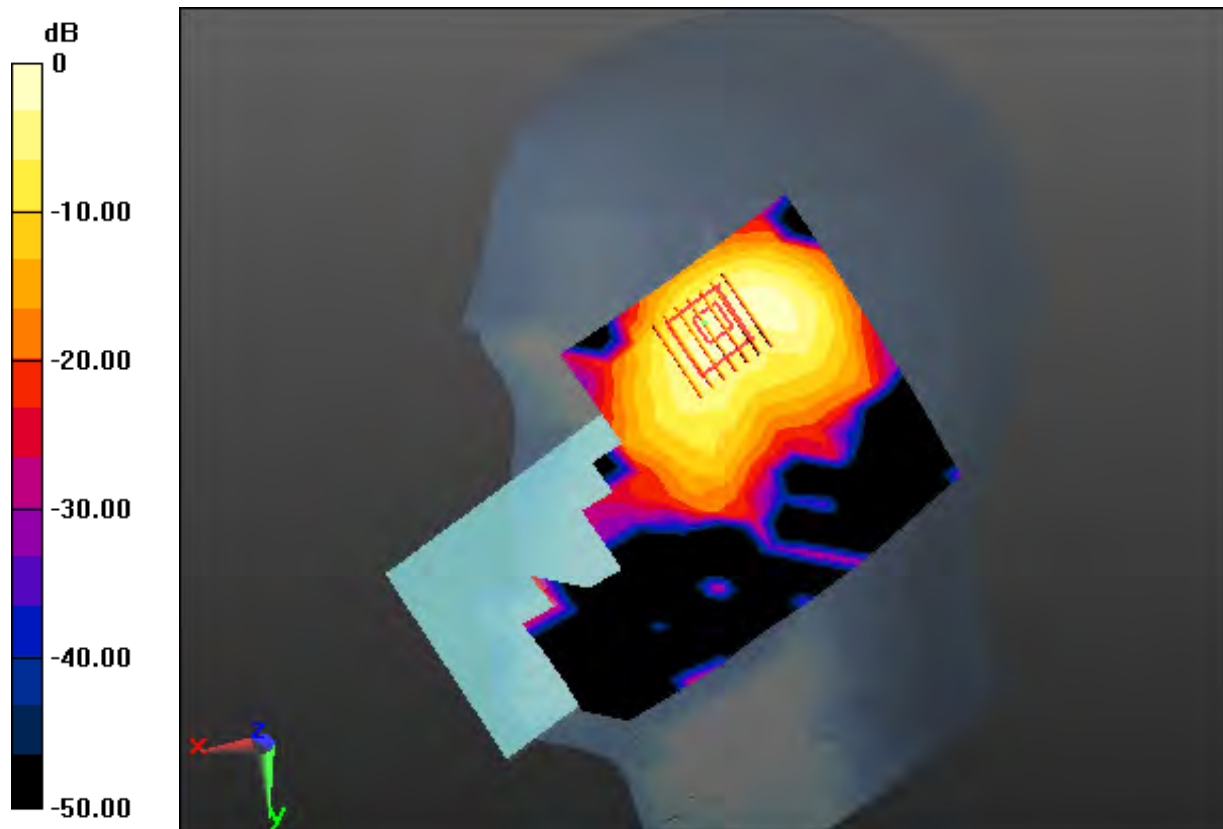
**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

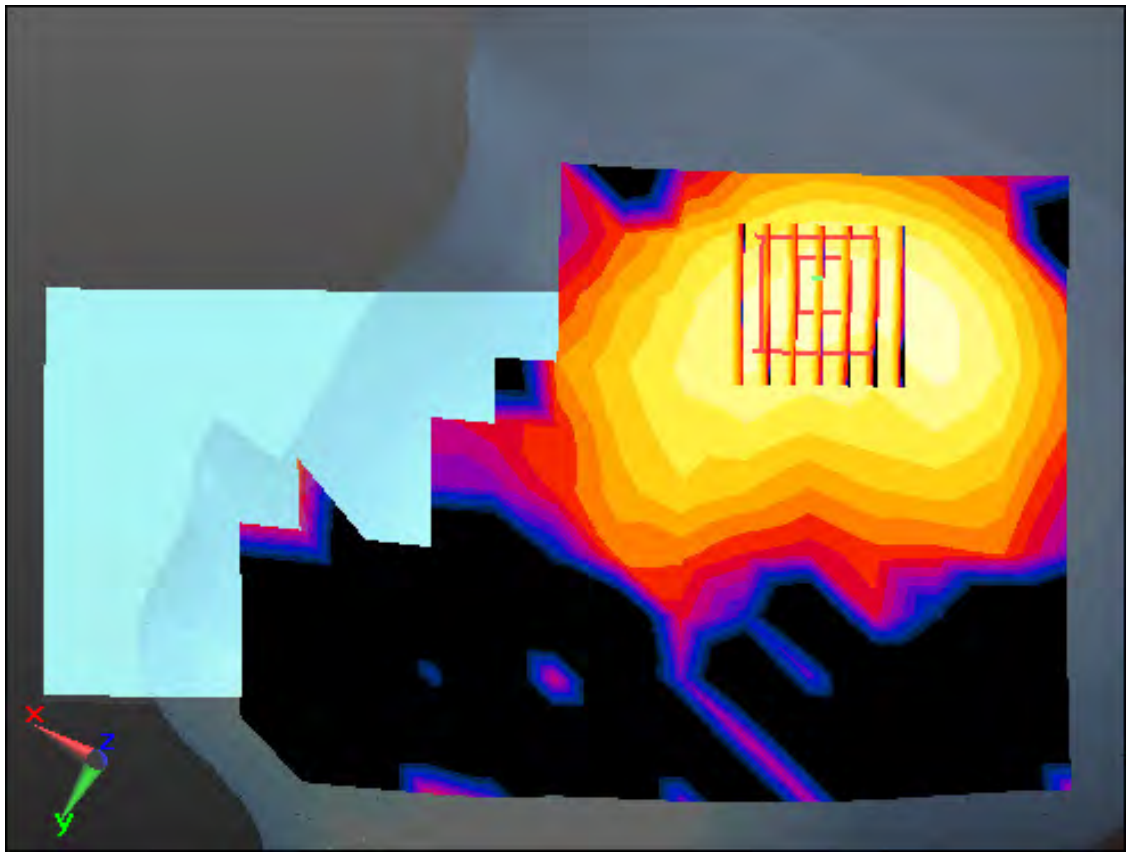
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.294 W/kg

**SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.051 W/kg**





Enlarged Plot for A27

## DT&C Co., Ltd.

### **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  S/m;  $\epsilon_r = 55.522$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.6, 10.6, 10.6) @ 836.6 MHz; Calibrated: 2019-11-27;  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-12; Ambient Temp: 21.2; Tissue Temp: 21.0

### **1 cm space from Body, Rear, GSM850 Ch. 190, Ant. Internal**

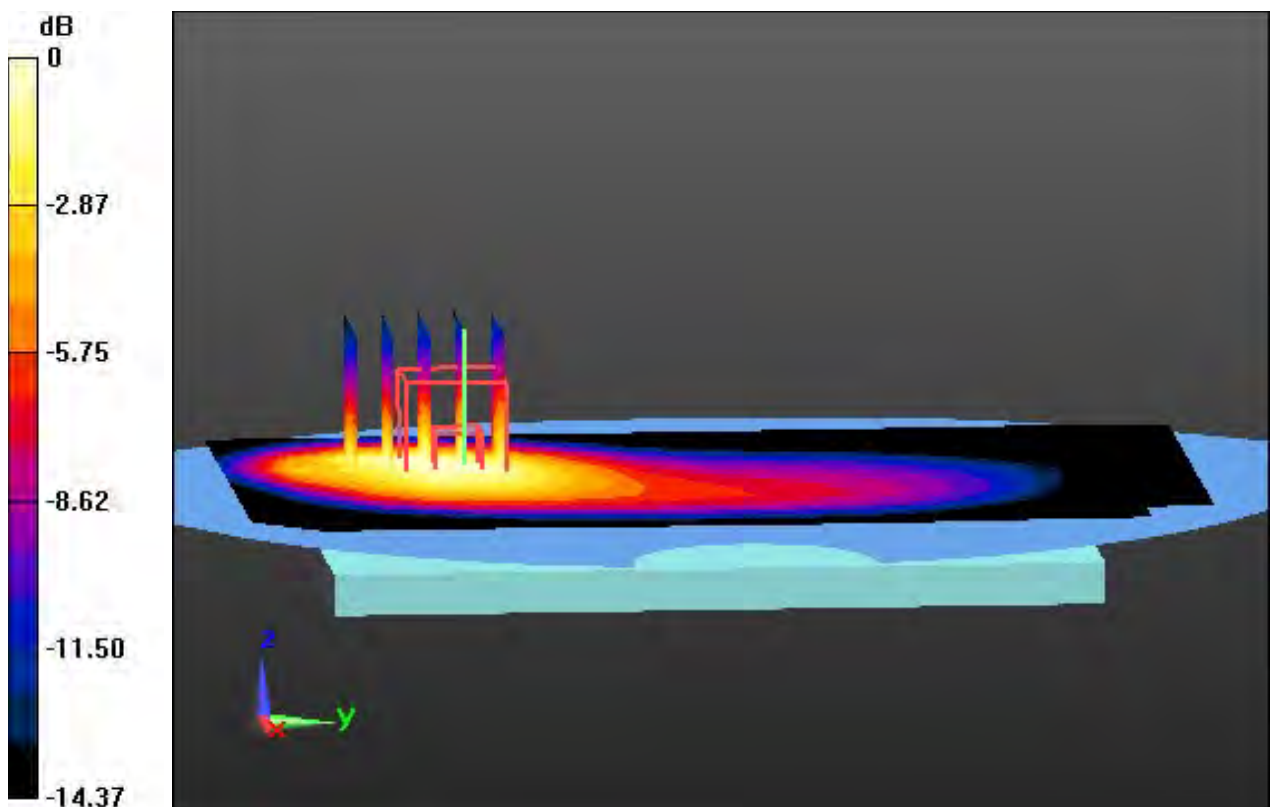
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

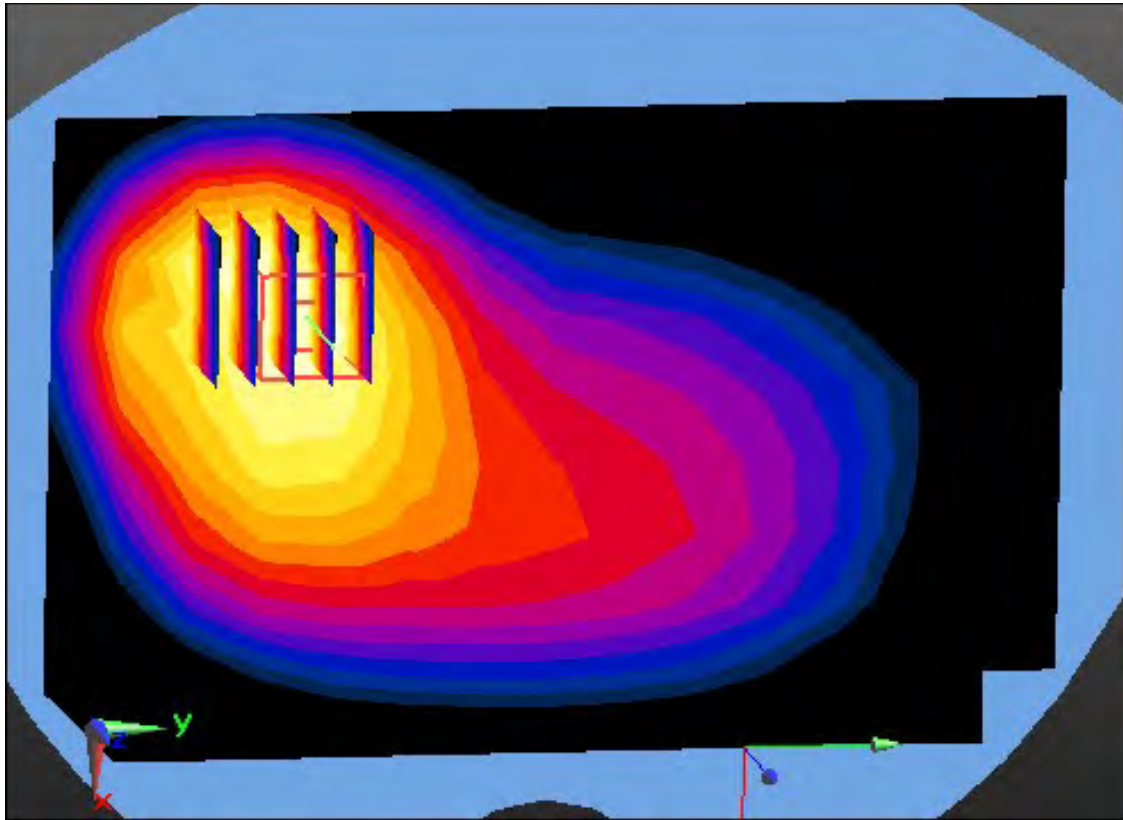
Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.608 W/kg

**SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.228 W/kg**



0 dB = 0.486 W/kg



Enlarged Plot for A28

## DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, GSM 850\_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  S/m;  $\epsilon_r = 55.522$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.6, 10.6, 10.6) @ 836.6 MHz; Calibrated: 2019-11-27;

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-12; Ambient Temp: 21.2; Tissue Temp: 21.0

**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 190, Ant. Internal**

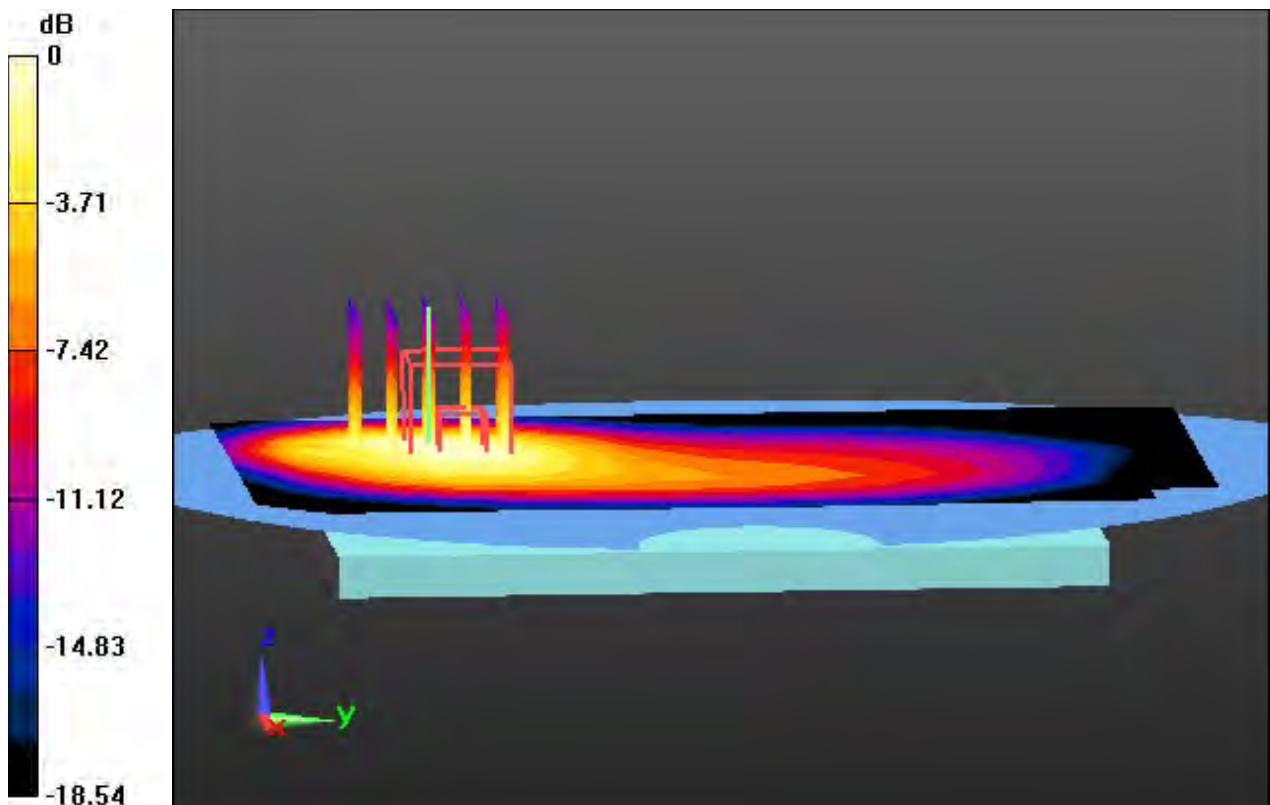
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

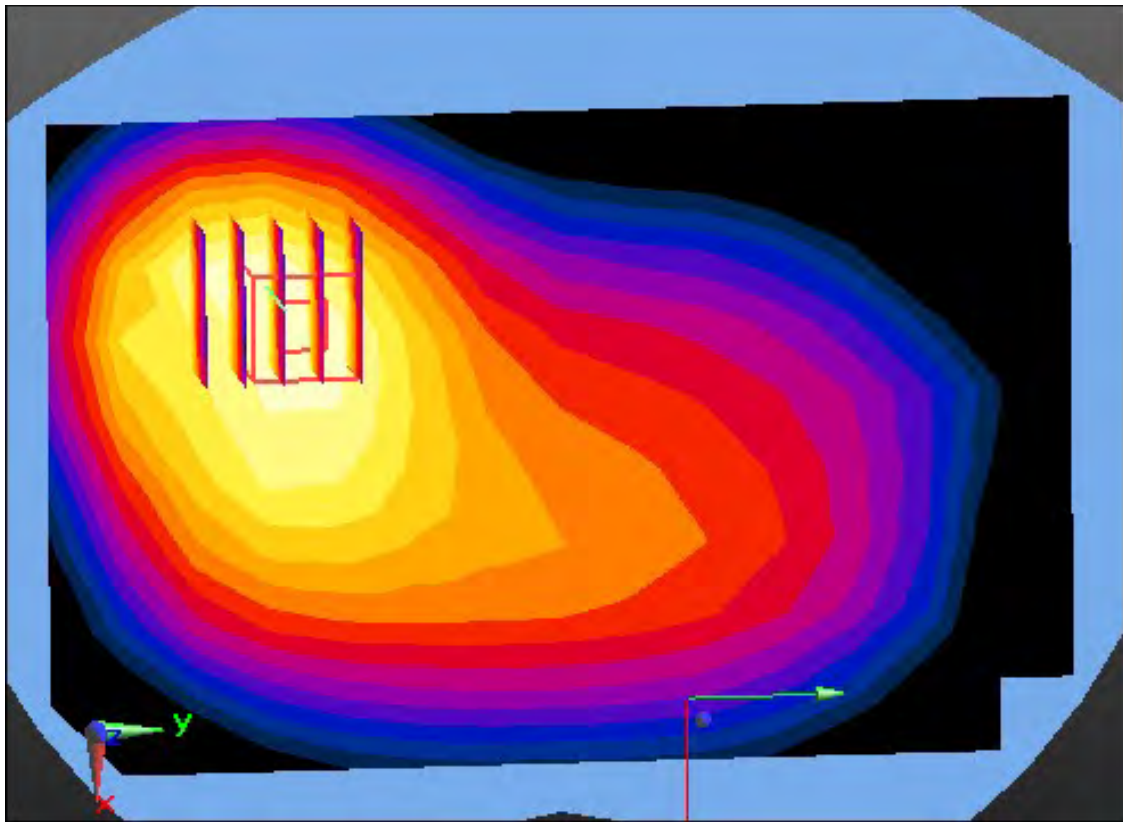
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.260 W/kg**





Enlarged Plot for A29

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 53.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.15, 8.15, 8.15); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-22; Ambient Temp: 20.7; Tissue Temp: 21.1

### 1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

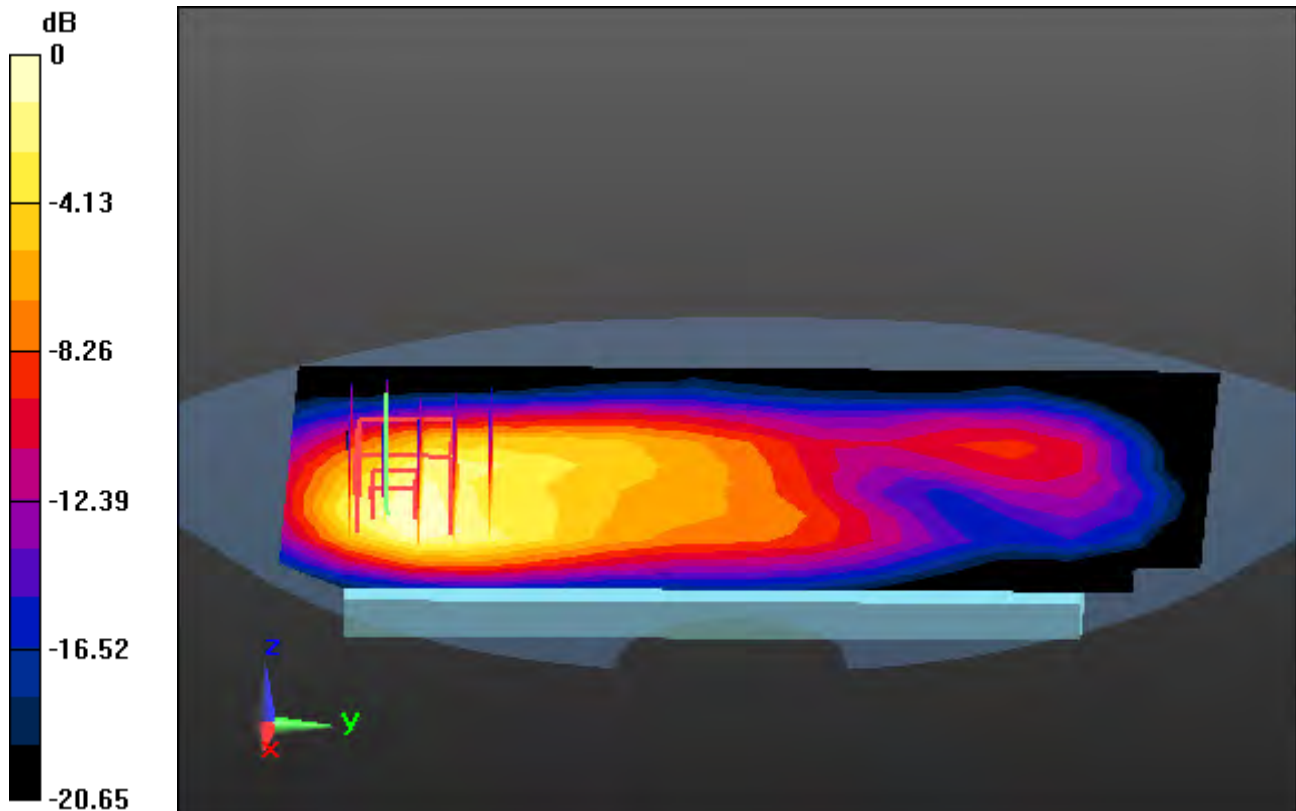
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

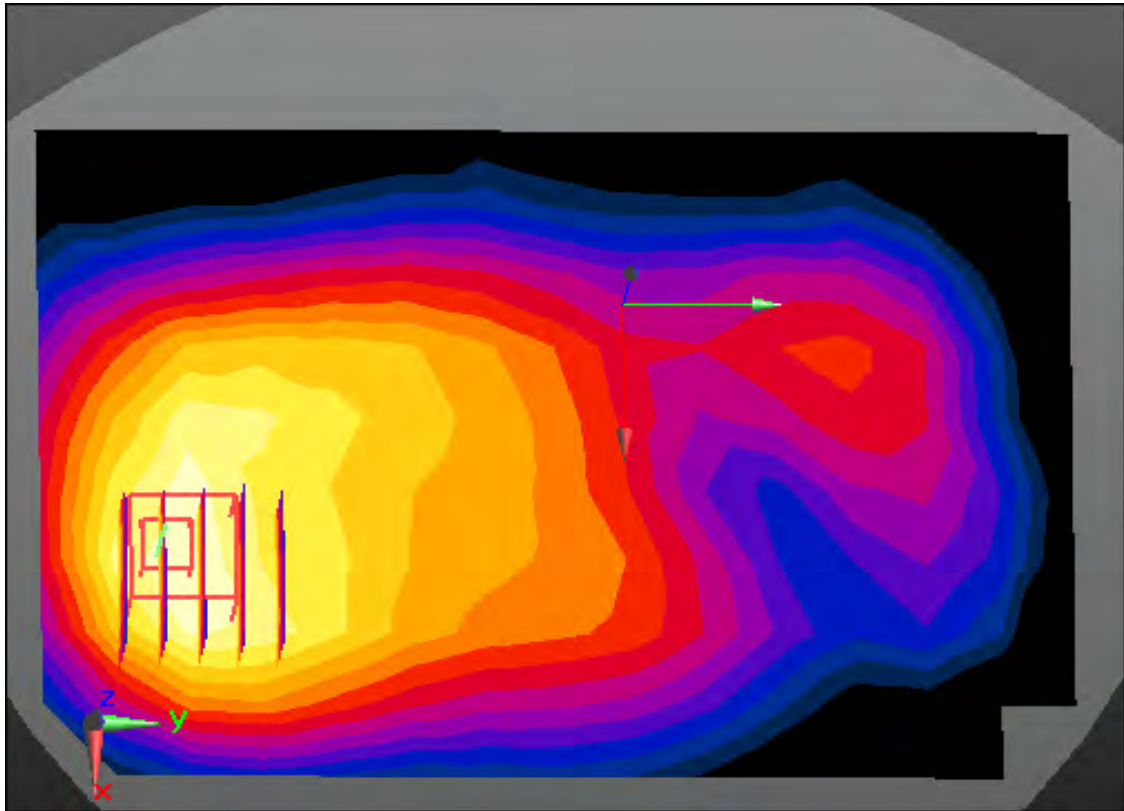
Peak SAR (extrapolated) = 0.756 W/kg

SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.226 W/kg



0 dB = 0.526 W/kg





Enlarged Plot for A30

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 53.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.15, 8.15, 8.15); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-22; Ambient Temp: 20.7; Tissue Temp: 21.1

### 1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal

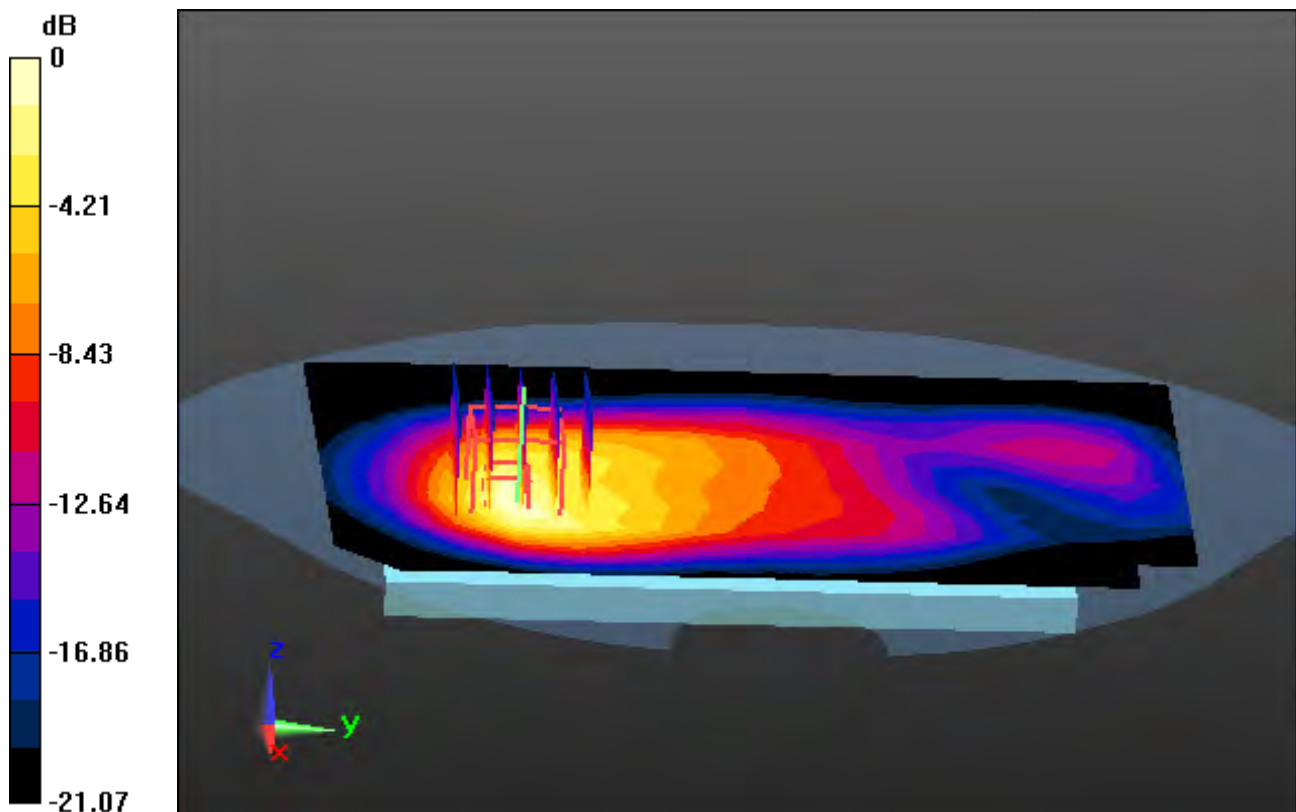
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

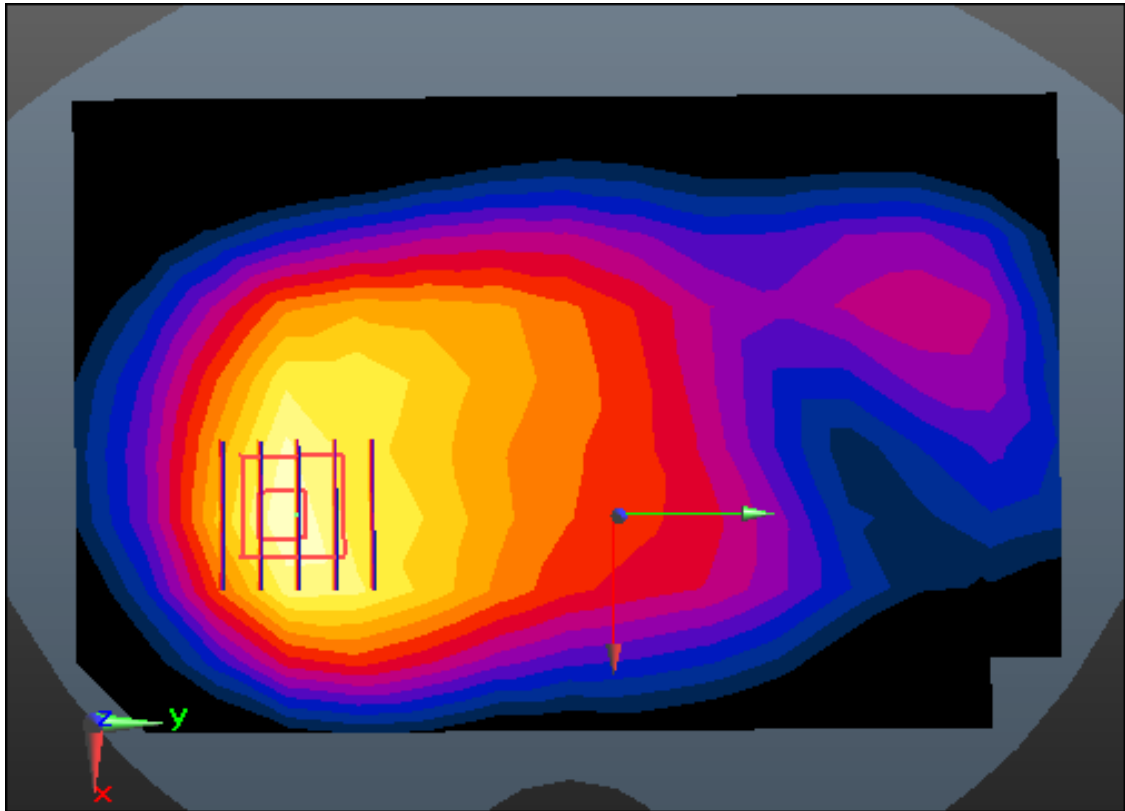
Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.818 W/kg

SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.241 W/kg



0 dB = 0.640 W/kg



Enlarged Plot for A31

## DT&C Co., Ltd.

### **DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  S/m;  $\epsilon_r = 55.522$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

#### **DASY5 Configuration:**

Probe: EX3DV4 - SN7337; ConvF(10.6, 10.6, 10.6) @ 836.6 MHz; Calibrated: 2019-11-27;  
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (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: 2020-06-12; Ambient Temp: 21.2; Tissue Temp: 21.0

### **1 cm space from Body, Rear, WCDMA Band 5 Ch. 4183, Ant. Internal**

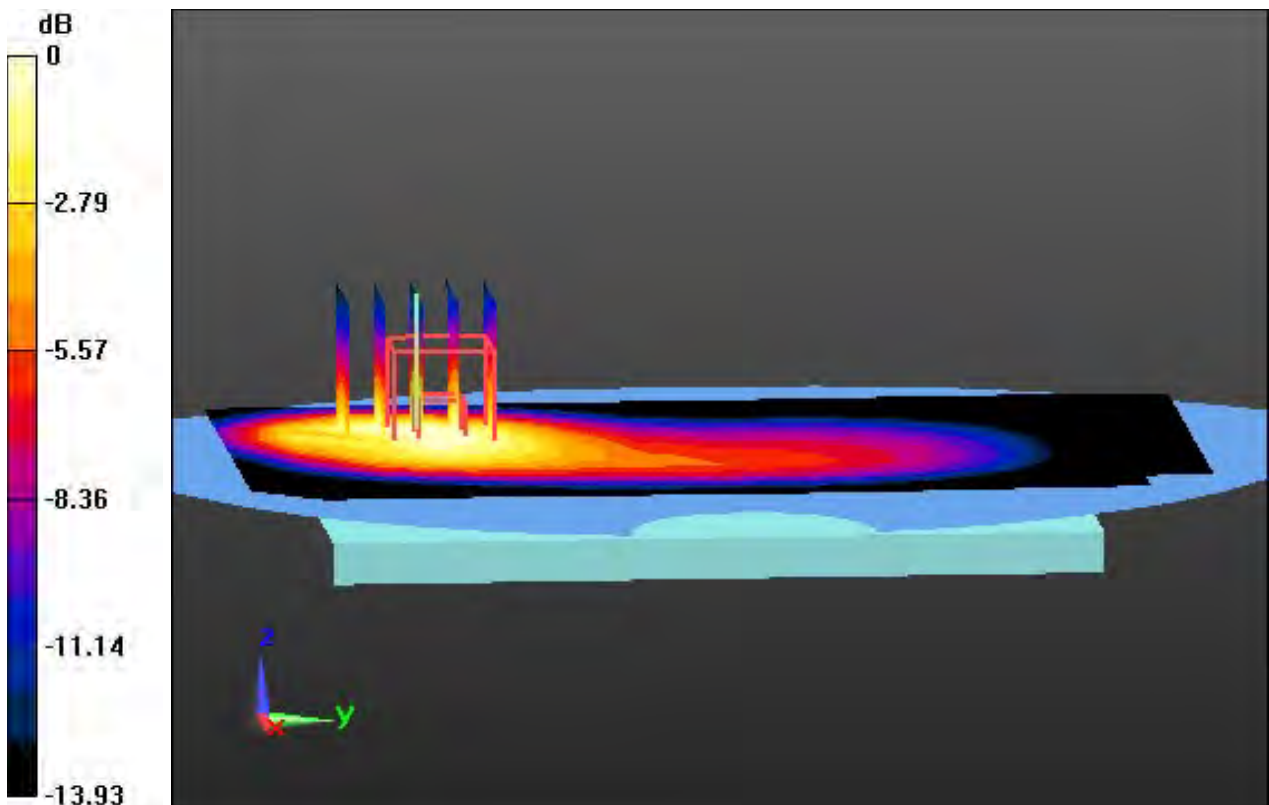
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

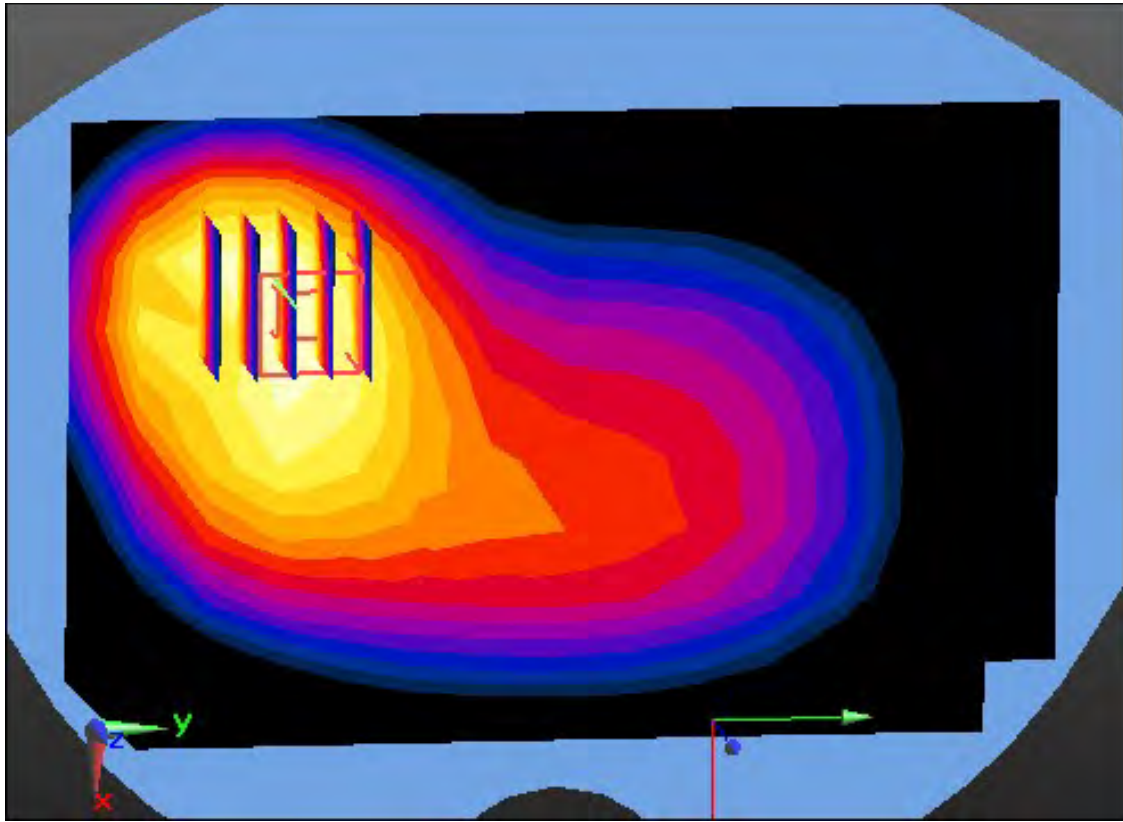
Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.853 W/kg

**SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.323 W/kg**



0 dB = 0.686 W/kg



Enlarged Plot for A32

# DT&C Co., Ltd.

**DUT: LM-G910EMW; Type: Bar**

Communication System: UID 0, WCDMA Band 4 (FCC) (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.49$  S/m;  $\epsilon_r = 51.48$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3328; ConvF(4.98, 4.98, 4.98); Calibrated: 3/25/2020 Electronics: DAE4 Sn1335  
Sensor-Surface: 3mm (Mechanical Surface Detection)  
Phantom: SAM-twin right\_2013\_09\_24; Type: QD000P40CD; Serial: TP:1783  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-23; Ambient Temp: 20.4; Tissue Temp: 20.3

**1 cm space from Body, Rear, WCDMA Band 4 Ch. 1412, Ant Internal**

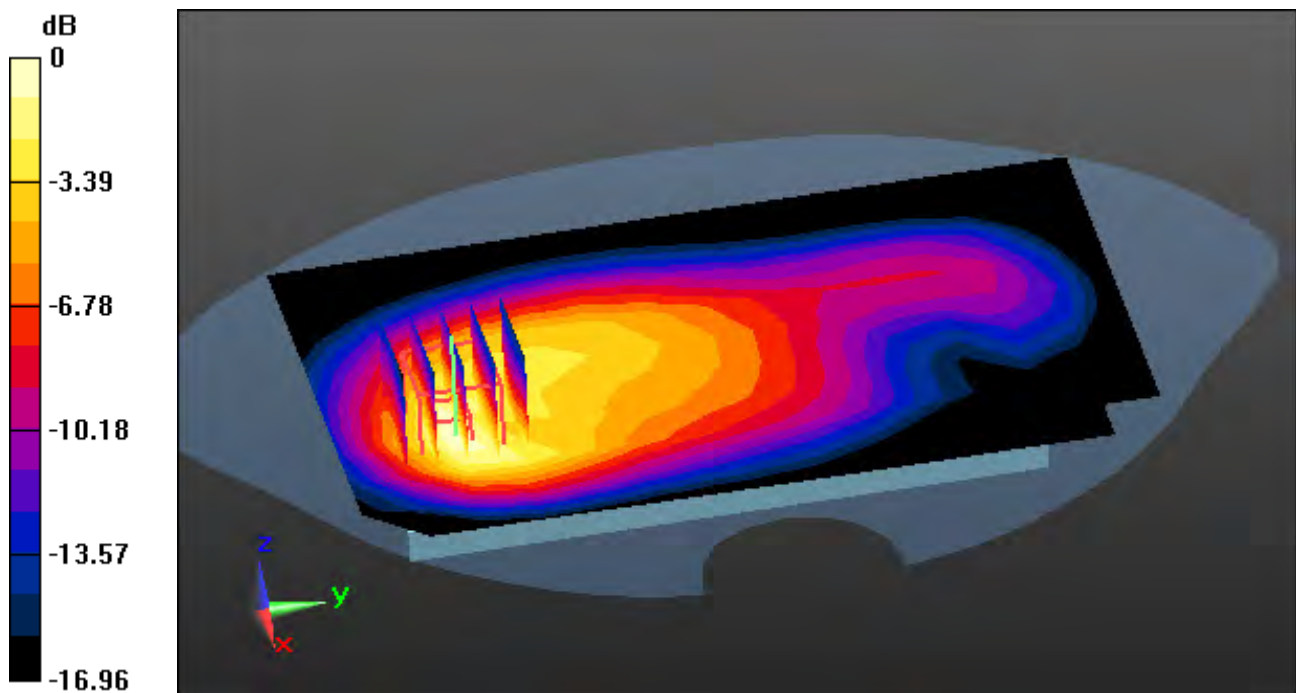
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

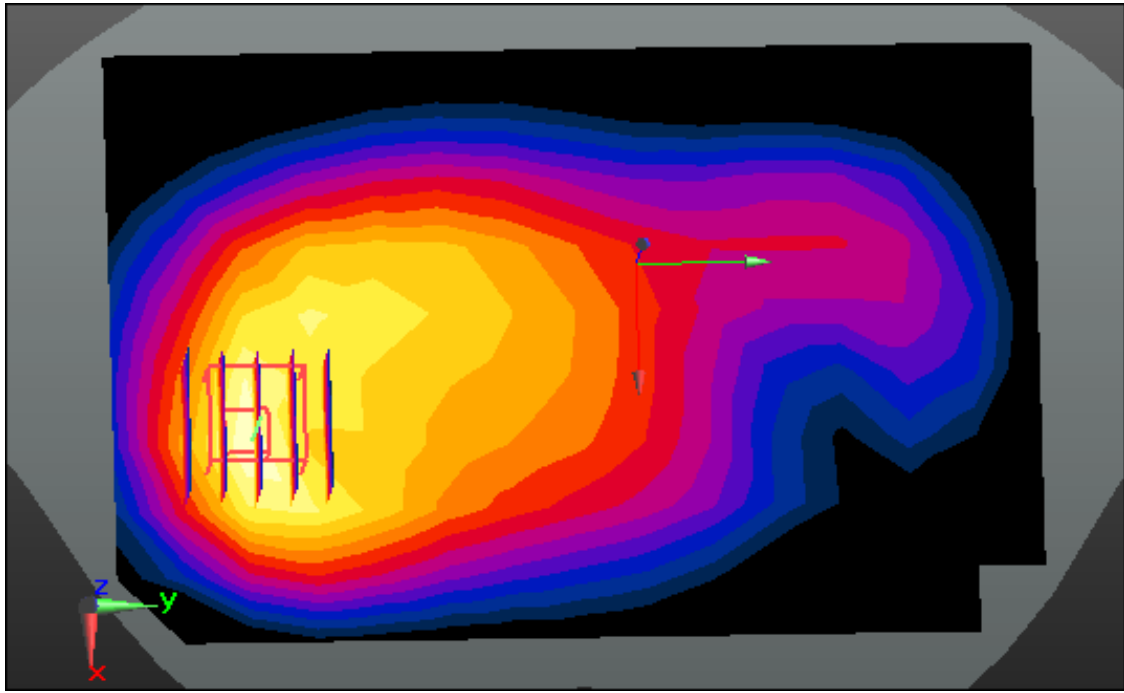
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.905 W/kg

**SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.286 W/kg**



0 dB = 0.659 W/kg



Enlarged Plot for A33

# DT&C Co., Ltd.

## DUT: LM-G910EMW; Type: Bar

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 53.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.15, 8.15, 8.15); Calibrated: 9/27/2019 Electronics: DAE3 Sn520  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Phantom: SAM with CRP\_2013\_10\_08\_right; Type: QD000P40CD; Serial: TP:1785  
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-06-22; Ambient Temp: 20.7; Tissue Temp: 21.1

### 1 cm space from Body, Rear, WCDMA Band 2 Ch. 9400, Ant Internal

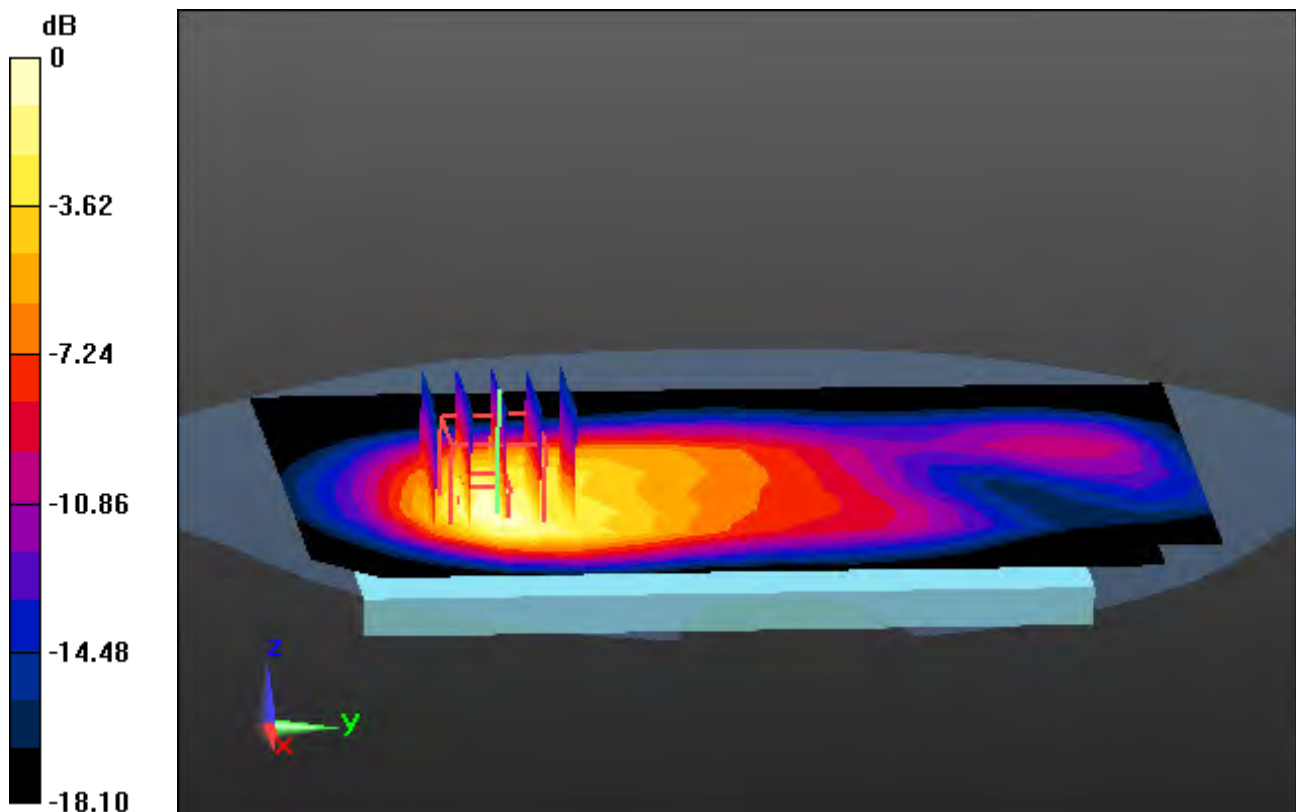
**Area Scan (10x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

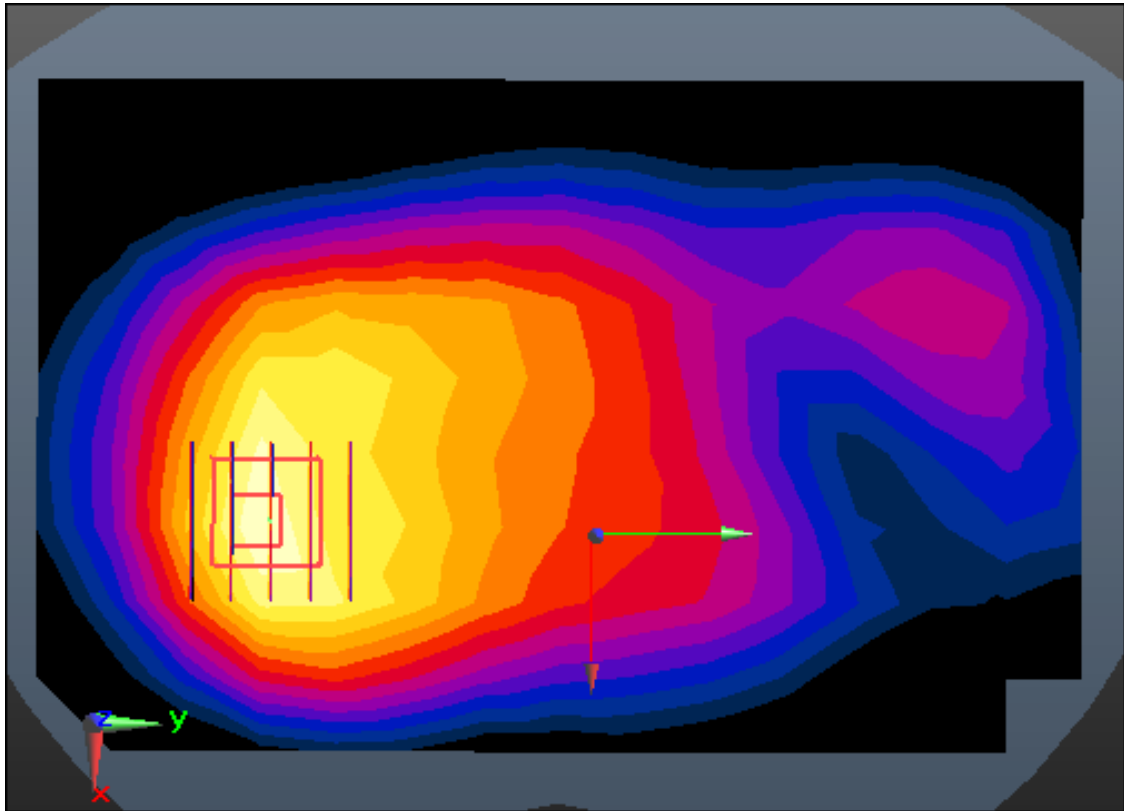
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.697 W/kg; SAR(10 g) = 0.374 W/kg



0 dB = 0.947 W/kg





Enlarged Plot for A34