

## **SAR Plots**

- Verification Plots
- SAR Test Plots

## 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;  $\sigma = 1.778$  S/m;  $\epsilon_r = 39.394$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.68, 4.68, 4.68); Calibrated: 1/27/2021 Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (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: 2022-01-04; Ambient Temp: 21.5; Tissue Temp: 21.3

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

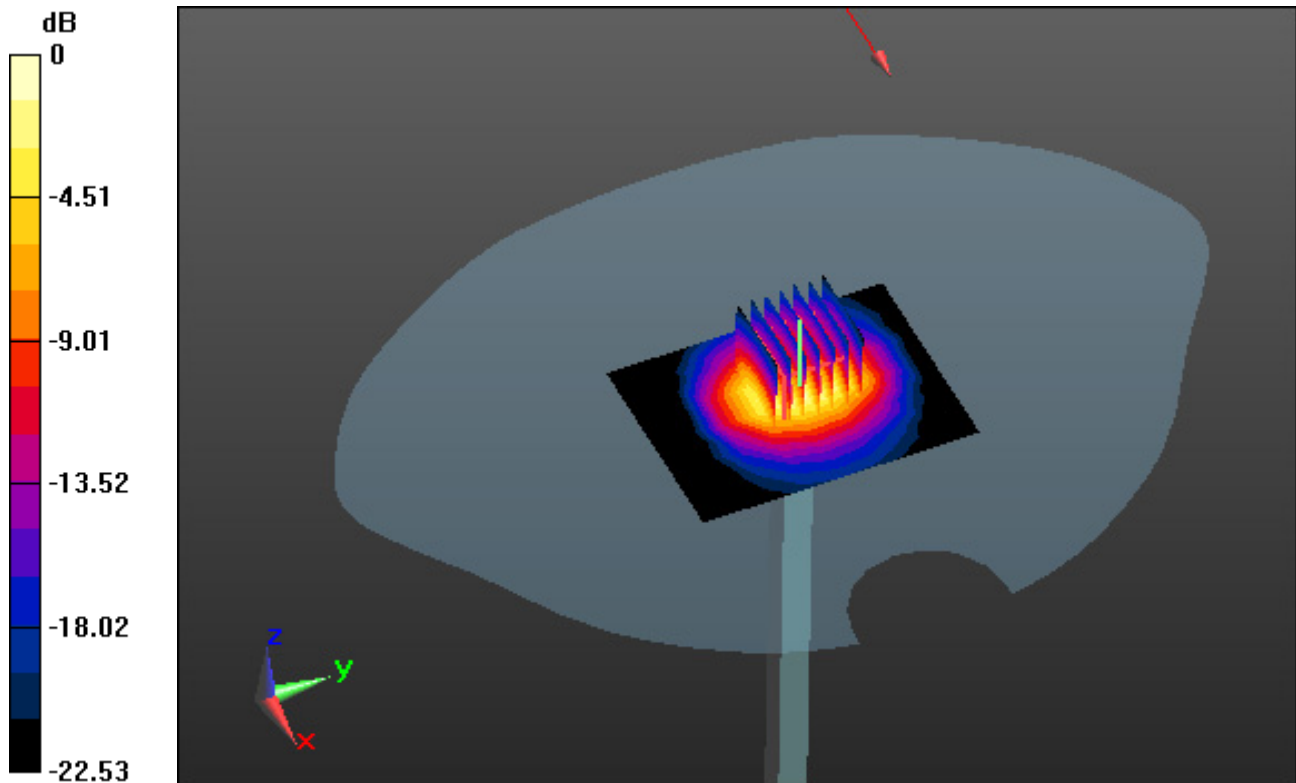
**Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.36 W/kg



0 dB = 6.57 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;  $\sigma = 4.877$  S/m;  $\epsilon_r = 35.721$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.38, 5.38, 5.38); Calibrated: 7/26/2021 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (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: 2022-02-16; Ambient Temp: 21.3; Tissue Temp: 21.2

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

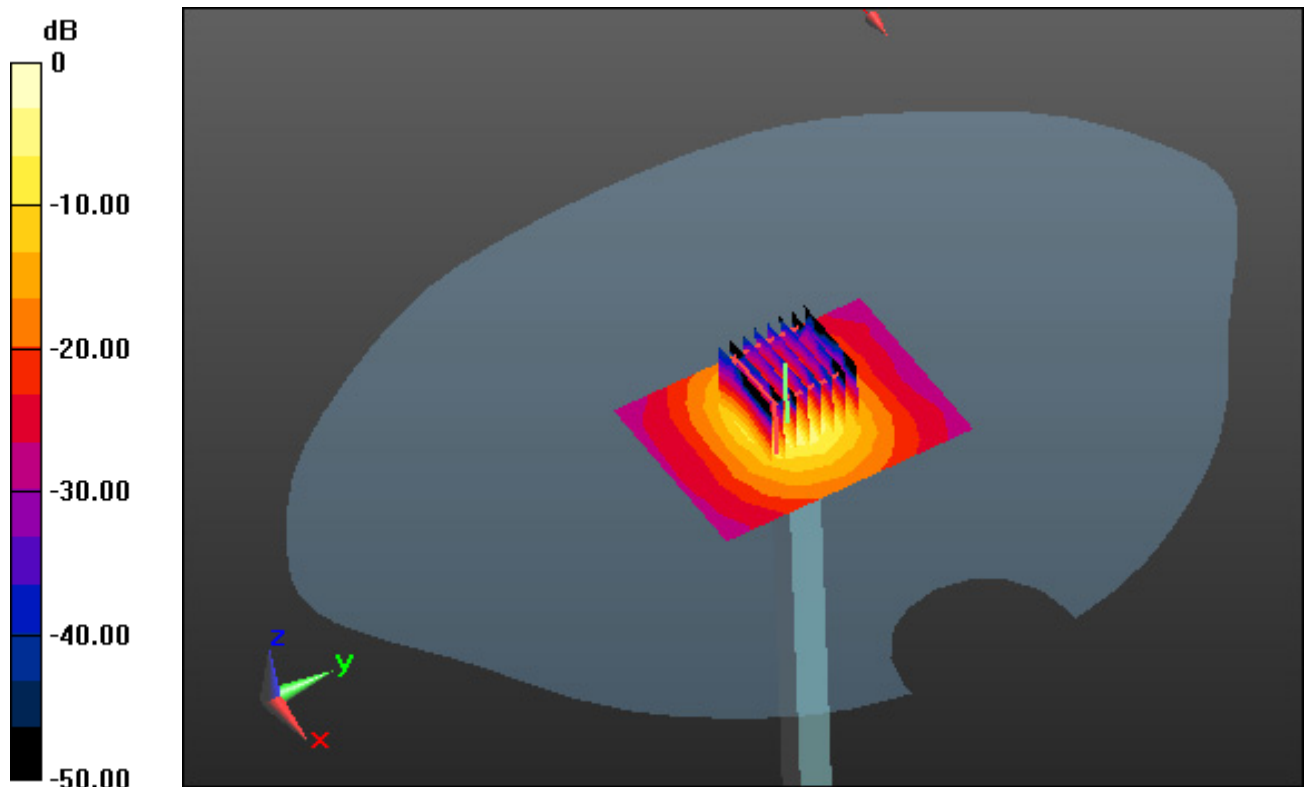
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 34.9 W/kg

SAR(1 g) = 8.68 W/kg; SAR(10 g) = 2.49 W/kg



0 dB = 21.3 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;  $\sigma = 5.249$  S/m;  $\epsilon_r = 35.654$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.9, 4.9, 4.9); Calibrated: 7/26/2021 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (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: 2022-02-17; Ambient Temp: 21.2; Tissue Temp: 21.1

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

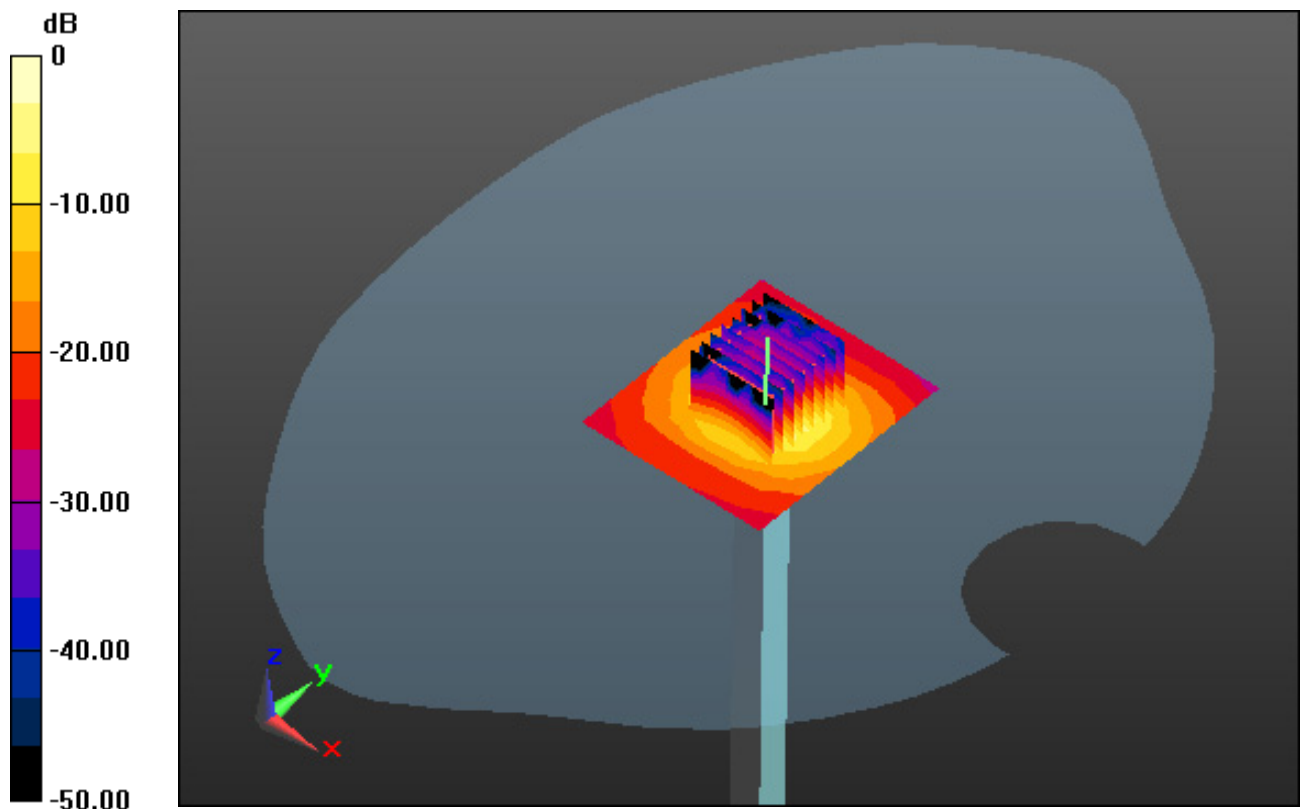
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 38.8 W/kg

SAR(1 g) = 8.88 W/kg; SAR(10 g) = 2.55 W/kg



0 dB = 26.2 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;  $\sigma = 5.384$  S/m;  $\epsilon_r = 34.668$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.85, 4.85, 4.85); Calibrated: 7/26/2021 Electronics: DAE3 Sn520

Sensor-Surface: 1.4mm (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: 2022-02-18; Ambient Temp: 21.4; Tissue Temp: 21.3

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

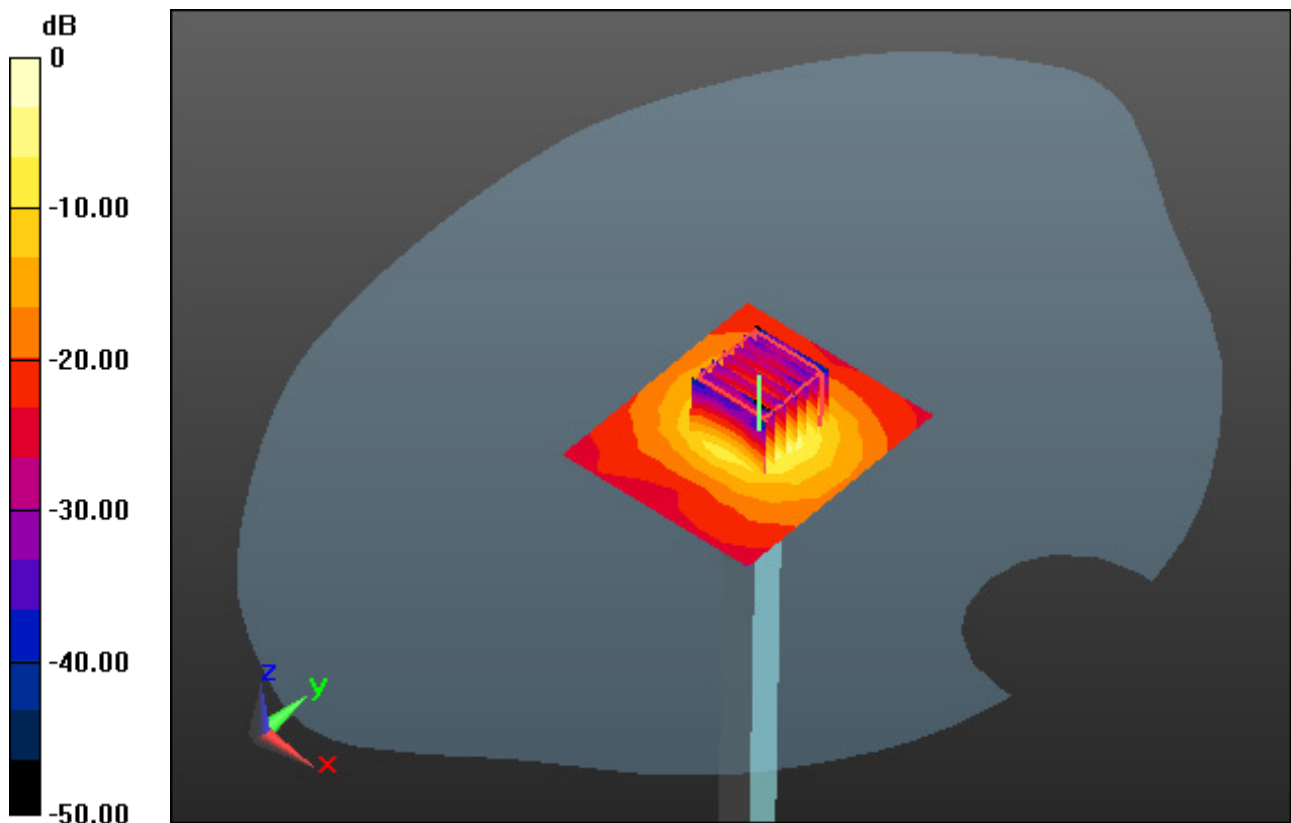
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 33.2 W/kg

SAR(1 g) = 8.53 W/kg; SAR(10 g) = 2.41 W/kg



0 dB = 17.9 W/kg

# DT&C Co., Ltd.

**DUT: LK-P22MIW3; Type: Mobile Printer**

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.791 \text{ S/m}$ ;  $\epsilon_r = 39.357$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: ES3DV3 - SN3327; ConvF(4.68, 4.68, 4.68); Calibrated: 1/27/2021 Electronics: DAE3 Sn520  
Sensor-Surface: 3mm (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: 2022-01-04; Ambient Temp: 21.5; Tissue Temp: 21.3

**Touch from Body, Front, WLAN(802.11b) Ch. 11, Ant Internal**

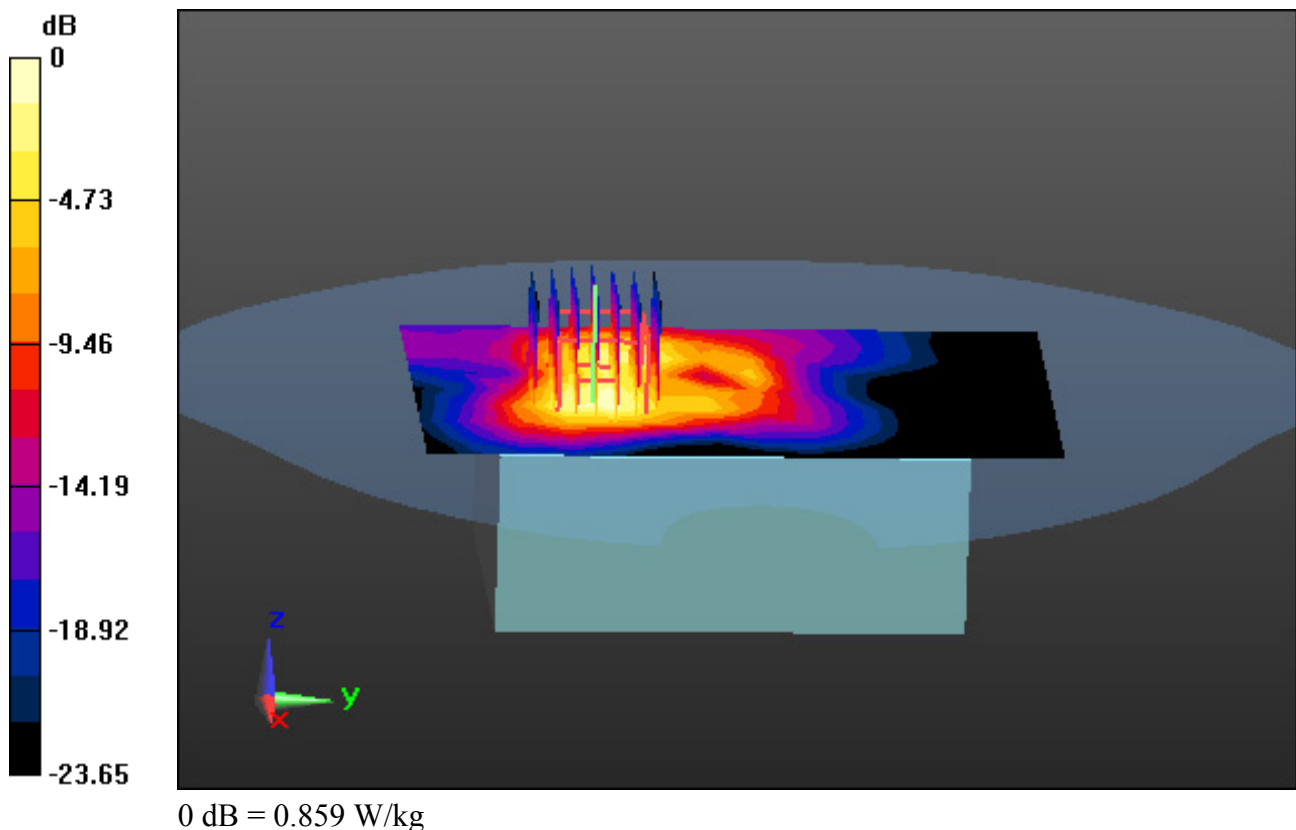
**Area Scan (9x14x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

**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) = 1.27 W/kg

**SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.296 W/kg**



# DT&C Co., Ltd.

**DUT: LK-P22MIW3; Type: Mobile Printer**

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

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.834$  S/m;  $\epsilon_r = 35.797$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.38, 5.38, 5.38); Calibrated: 7/26/2021 Electronics: DAE3 Sn520  
Sensor-Surface: 1.4mm (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: 2022-02-16 Ambient Temp: 21.3; Tissue Temp: 21.2

**Touch from Body, Front, WLAN(802.11a) Ch. 52, Ant Internal**

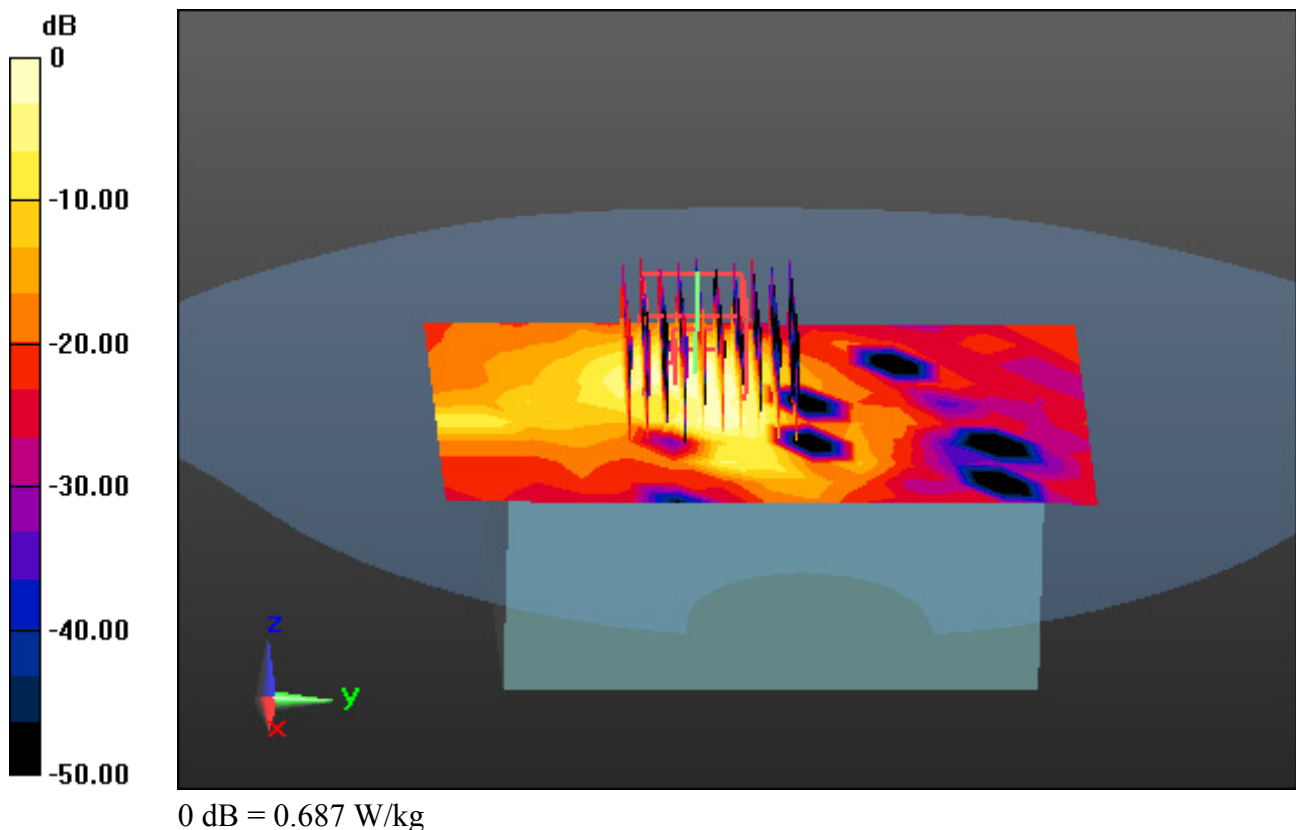
**Area Scan (10x15x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (12x10x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.099 W/kg**



## DT&C Co., Ltd.

**DUT: LK-P22MIW3; Type: Mobile Printer**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.249$  S/m;  $\epsilon_r = 35.654$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.9, 4.9, 4.9); Calibrated: 7/26/2021 Electronics: DAE3 Sn520  
Sensor-Surface: 1.4mm (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: 2022-02-17; Ambient Temp: 21.2; Tissue Temp: 21.1

**Touch from Body, Front, WLAN(802.11a) Ch. 120, Ant Internal**

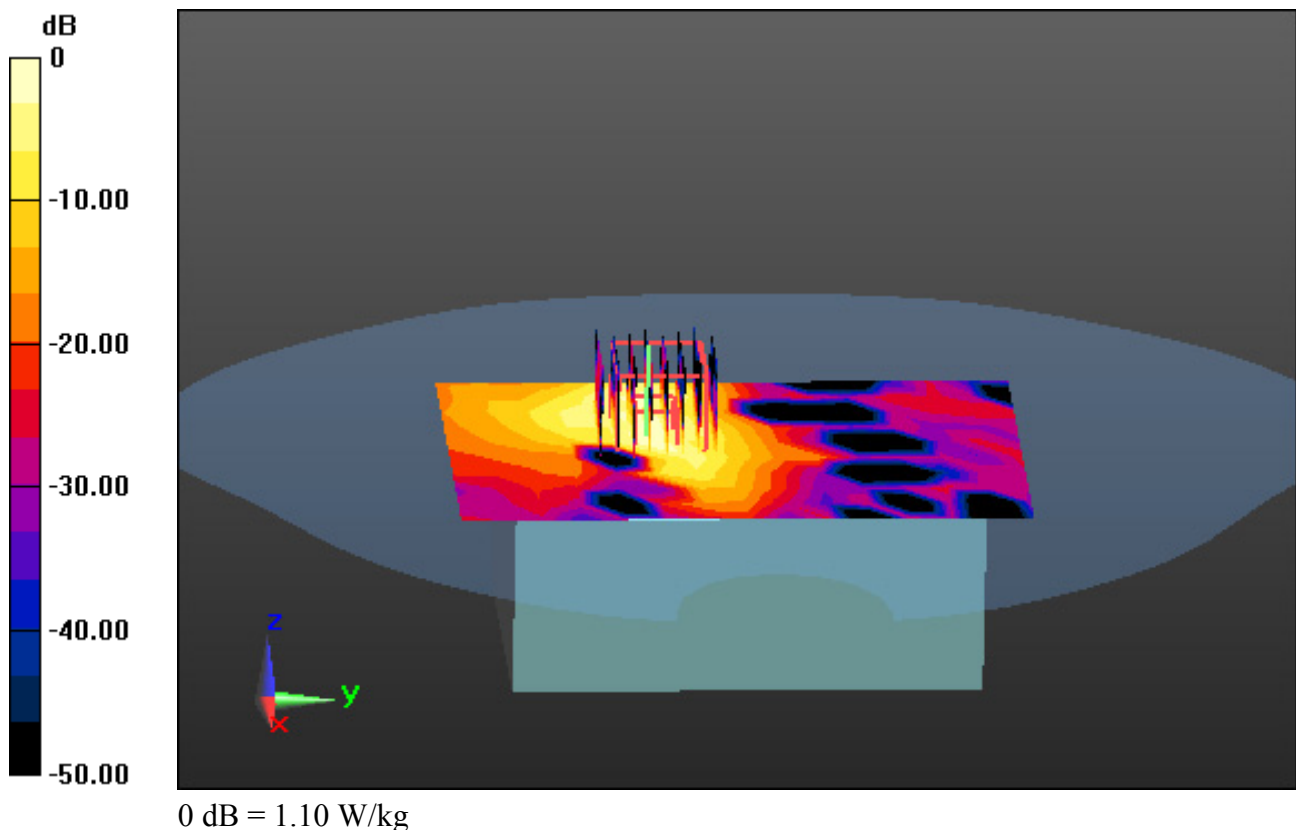
**Area Scan (10x15x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 1.84 W/kg

**SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.118 W/kg**



## DT&C Co., Ltd.

**DUT: LK-P22MIW3; Type: Mobile Printer**

Communication System: UID 0, W-LAN 5G (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.319 \text{ S/m}$ ;  $\epsilon_r = 34.774$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.85, 4.85, 4.85); Calibrated: 7/26/2021 Electronics: DAE3 Sn520  
Sensor-Surface: 1.4mm (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: 2022-02-18; Ambient Temp: 21.4; Tissue Temp: 21.3

**Touch from Body, Front, WLAN(802.11a) Ch. 149, Ant Internal**

**Area Scan (10x15x1):** 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 = -0.03 dB

Peak SAR (extrapolated) = 2.30 W/kg

**SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.150 W/kg**

