

## SAR Plots

- Verification Plots
- SAR Test Plots

## 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;  $\sigma = 5.504$  S/m;  $\epsilon_r = 49.62$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

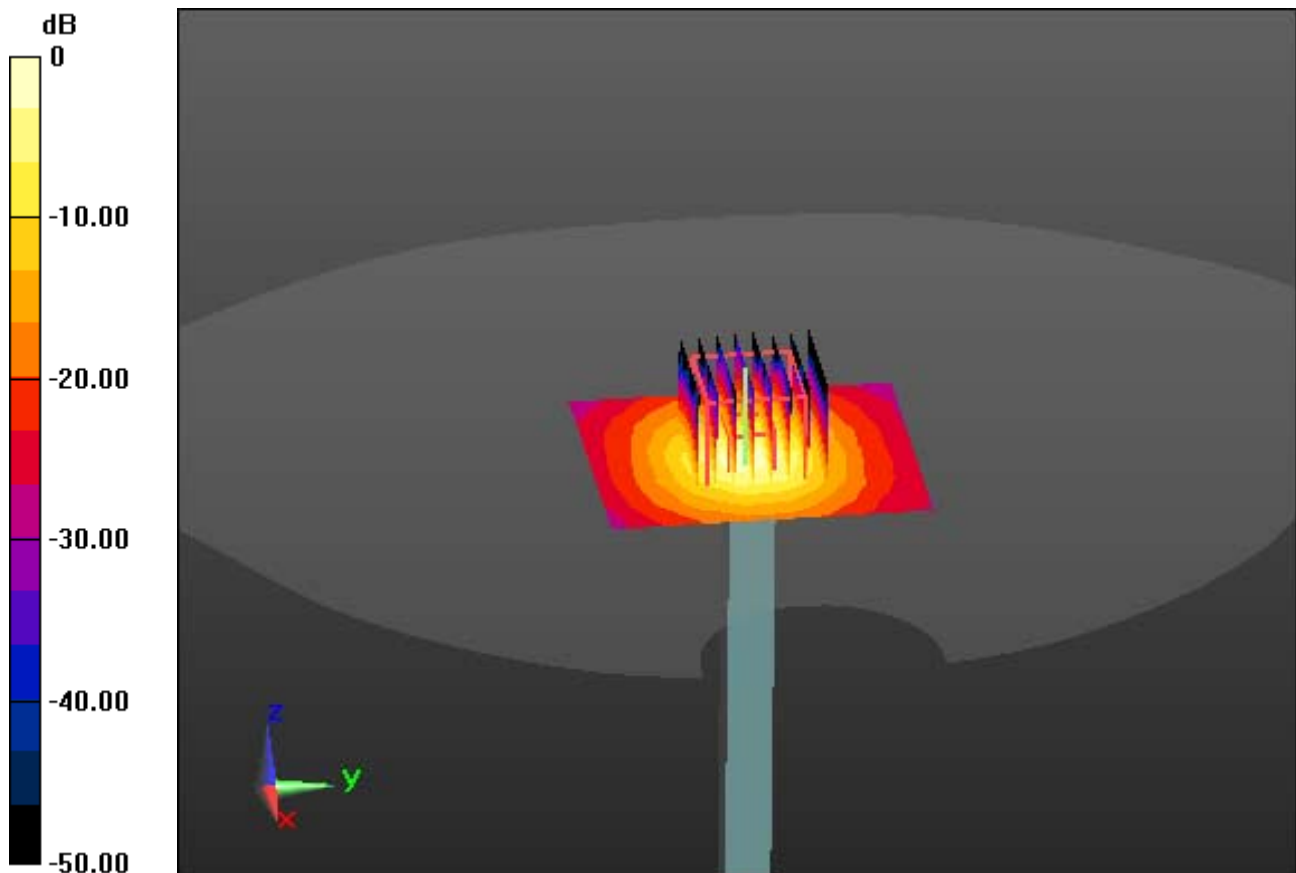
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 2018-05-31; Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-06-20; Ambient Temp: 22.0; Tissue Temp: 22.4

### **5200 MHz System Body Verification**

**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 = -0.17 dB  
Peak SAR (extrapolated) = 27.8 W/kg  
**SAR(1 g) = 7.23 W/kg; SAR(10 g) = 2.09 W/kg**



0 dB = 16.2 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;  $\sigma = 6.055$  S/m;  $\epsilon_r = 47.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 2018-05-31; Electronics: DAE4 Sn1396  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-06-21; Ambient Temp: 22.1; Tissue Temp: 22.5

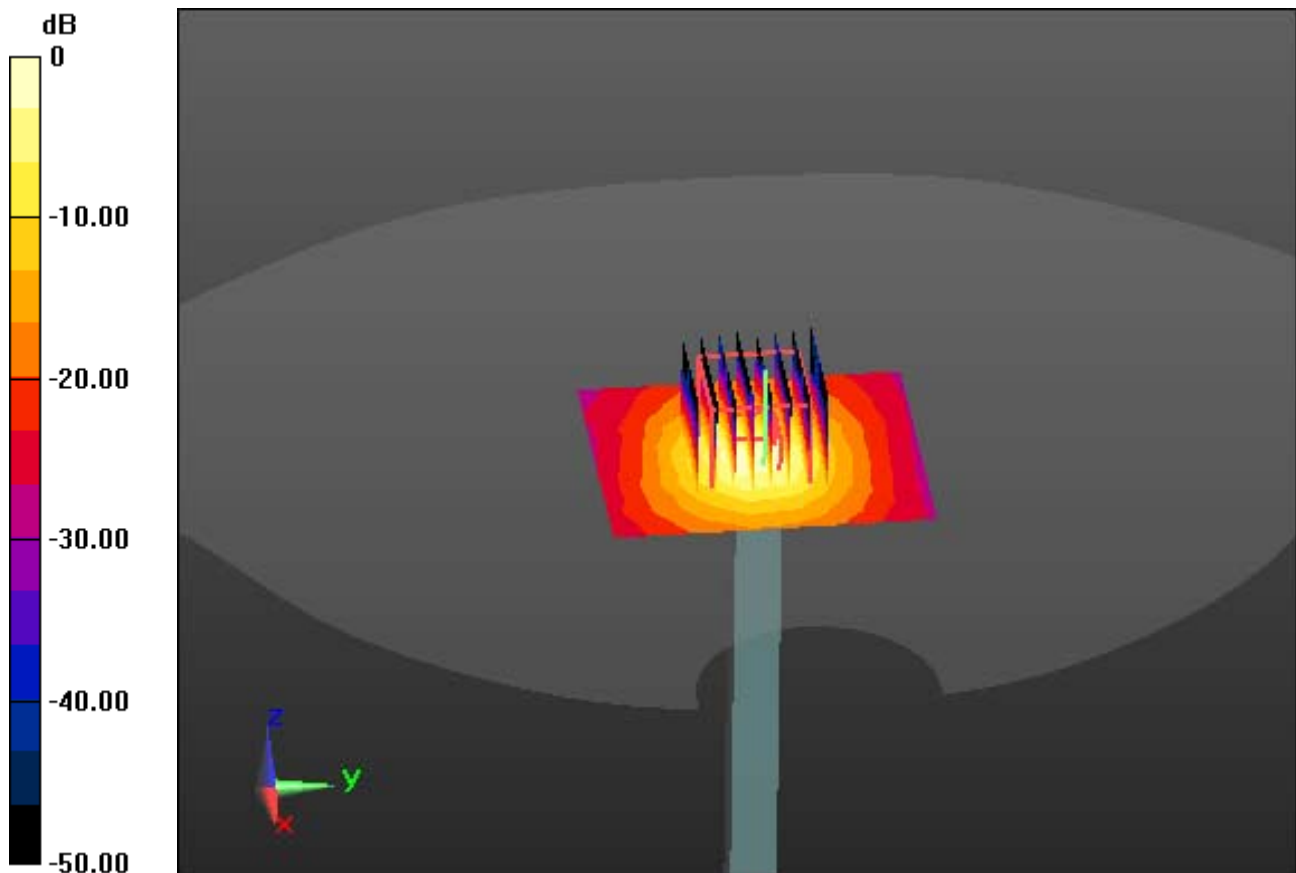
### **5800 MHz System Body Verification**

**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 = -0.17 dB

Peak SAR (extrapolated) = 32.9 W/kg

**SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.11 W/kg**



0 dB = 18.1 W/kg

# DT&C Co., Ltd.

**DUT: AT-1000N; Type: Dongle**

Communication System: UID 0, W-LAN\_5200 (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.478$  S/m;  $\epsilon_r = 49.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 2018-05-31; Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-06-20; Ambient Temp: 22.0; Tissue Temp: 22.4

**0.5 cm space from Body, Left\_67.5, W-LAN(802.11n HT20) Ch. 36, Ant Internal**

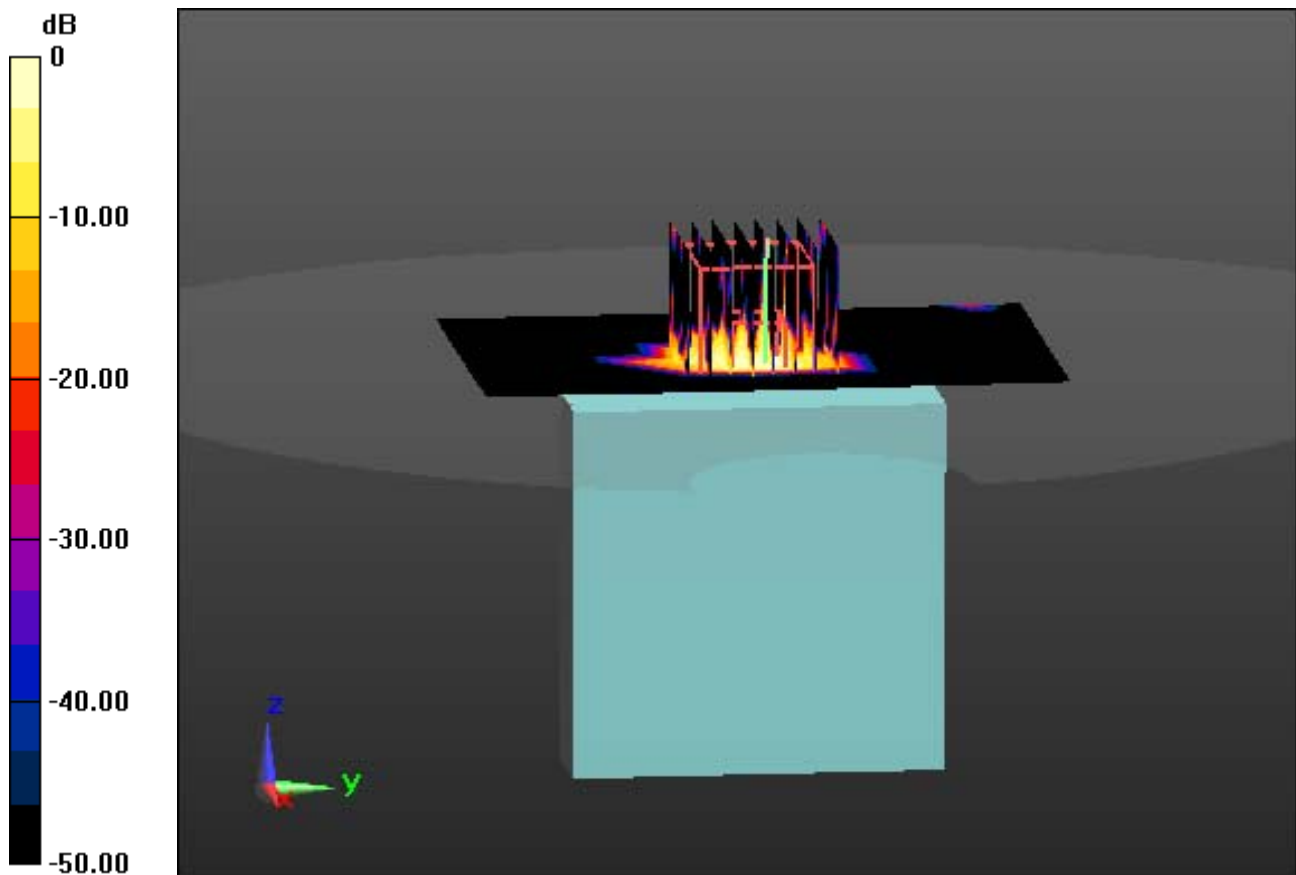
**Area Scan (8x12x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 0.278 W/kg

**SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.014 W/kg**



0 dB = 0.176 W/kg

# DT&C Co., Ltd.

**DUT: AT-1000N; Type: Dongle**

Communication System: UID 0, W-LAN\_5800 (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5825$  MHz;  $\sigma = 6.089$  S/m;  $\epsilon_r = 47.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 2018-05-31; Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-06-21; Ambient Temp: 22.1; Tissue Temp: 22.5

**0.5 cm space from Body, Left\_67.5, W-LAN(802.11n HT20) Ch. 165, Ant Internal**

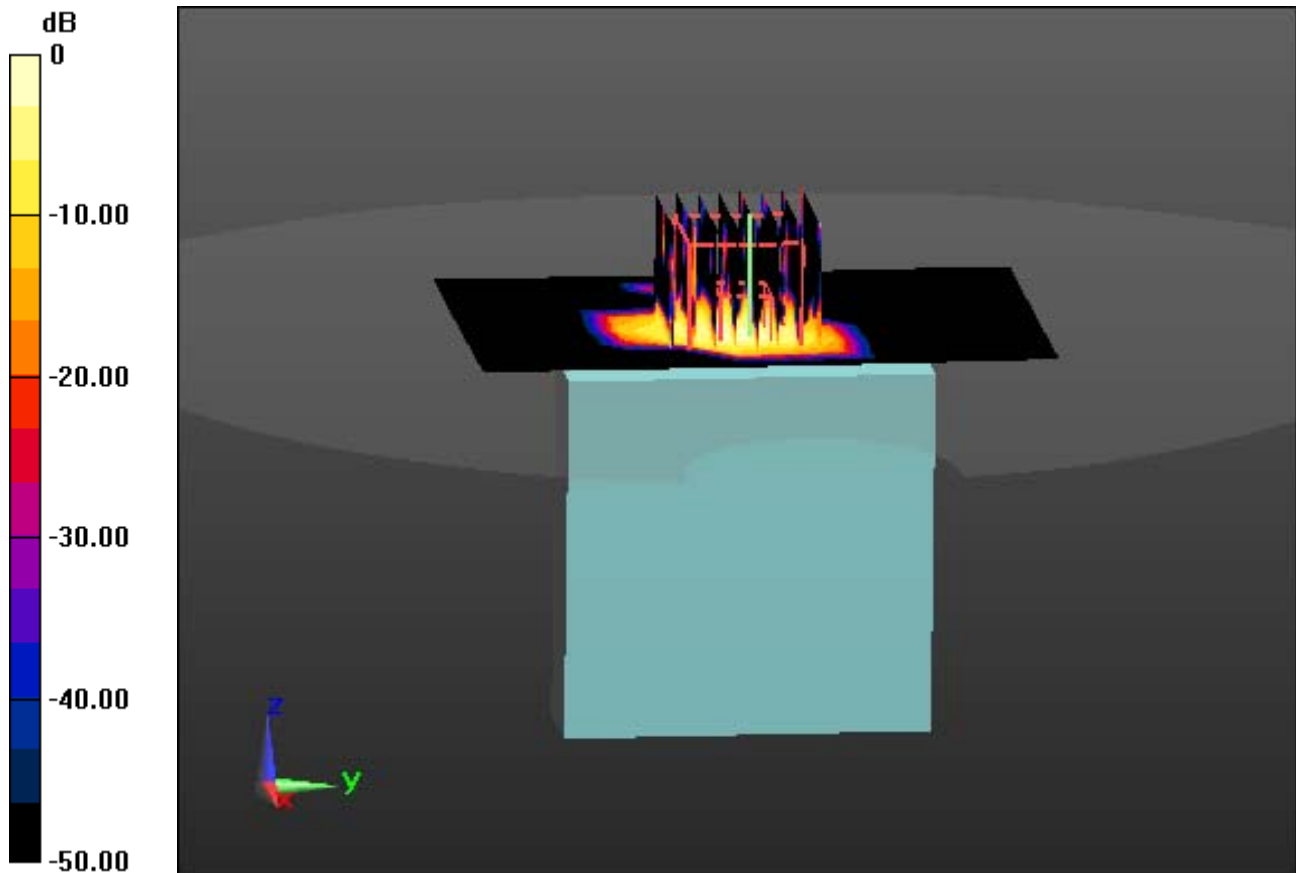
**Area Scan (8x12x1):** Measurement grid: dx=10mm, dy=10mm

**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) = 0.423 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.019 W/kg**



0 dB = 0.247 W/kg