

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: $f = 5200 \text{ MHz}$; $\sigma = 5.504 \text{ S/m}$; $\epsilon_r = 49.62$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

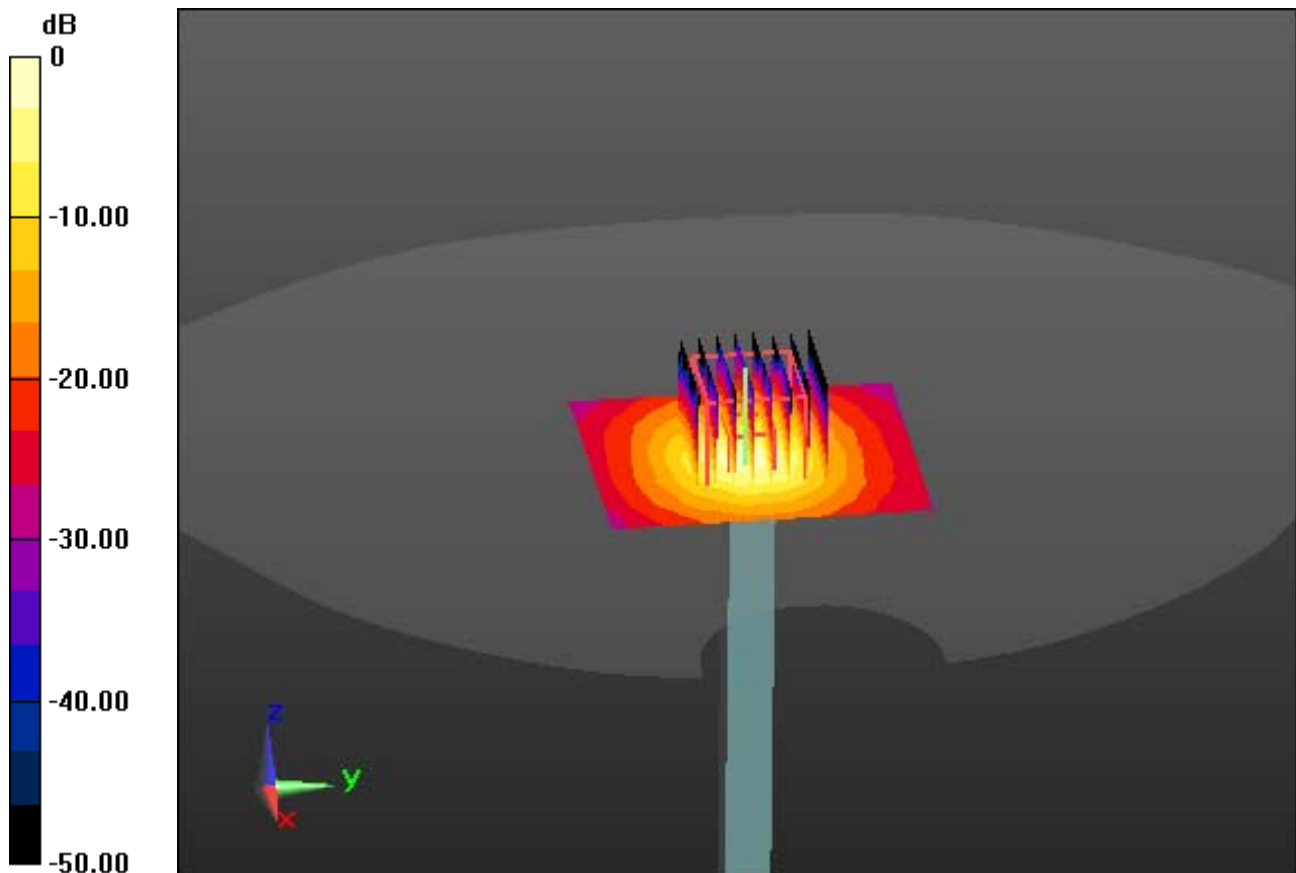
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 2018-05-31; Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

5200 MHz System Body Verification

Area Scan (7x8x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = -0.17 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: $f = 5800 \text{ MHz}$; $\sigma = 6.055 \text{ S/m}$; $\epsilon_r = 47.815$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

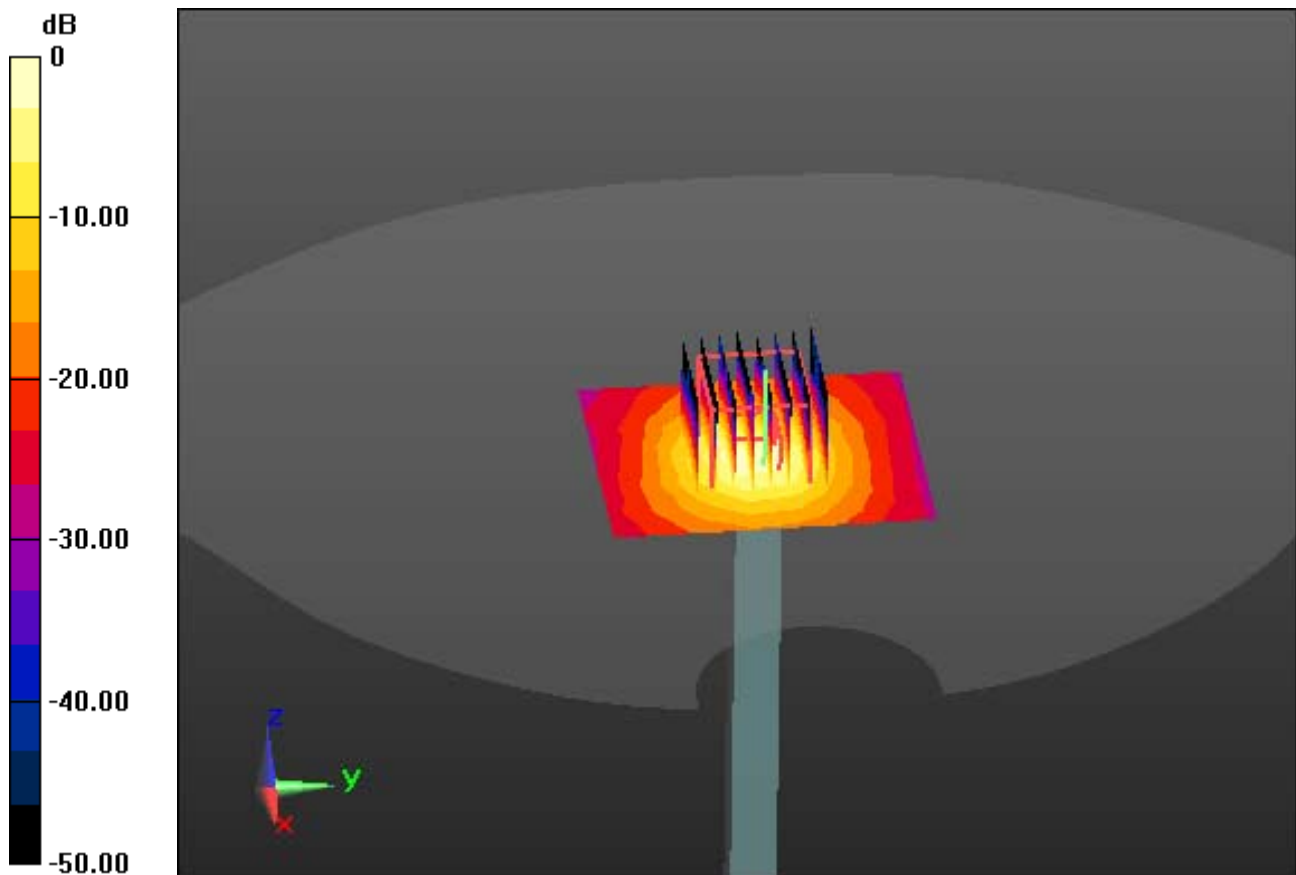
Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 2018-05-31; Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

5800 MHz System Body Verification

Area Scan (7x8x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = -0.17 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: $f = 5180 \text{ MHz}$; $\sigma = 5.478 \text{ S/m}$; $\epsilon_r = 49.672$; $\rho = 1000 \text{ kg/m}^3$

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

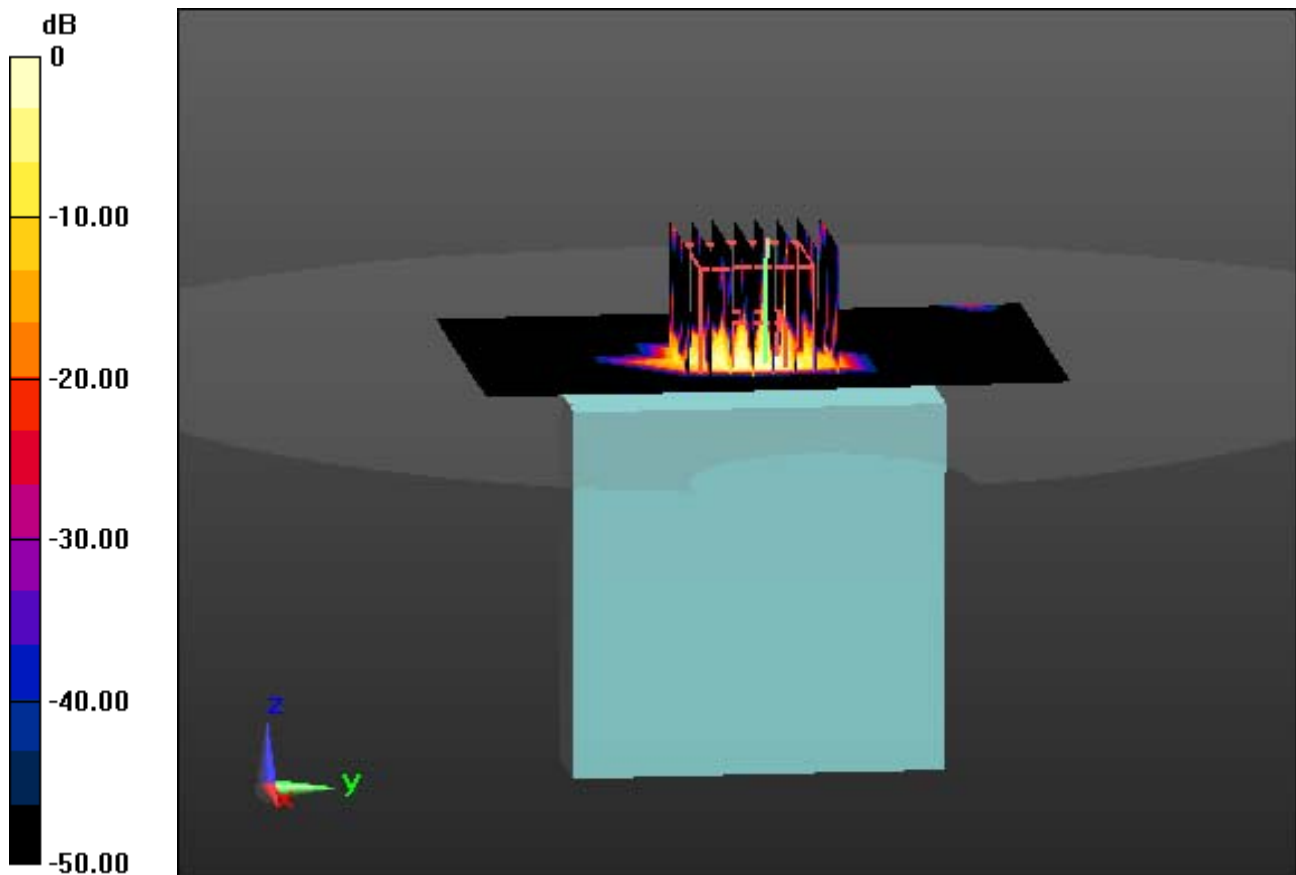
Area Scan (8x12x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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) = 0.278 W/kg

SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.014 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: $f = 5825 \text{ MHz}$; $\sigma = 6.089 \text{ S/m}$; $\epsilon_r = 47.771$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = -0.12 dB

Peak SAR (extrapolated) = 0.423 W/kg

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

