# SAR Plots

- Verification Plots
- SAR Test Plots

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# DT&C Co., Ltd.

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

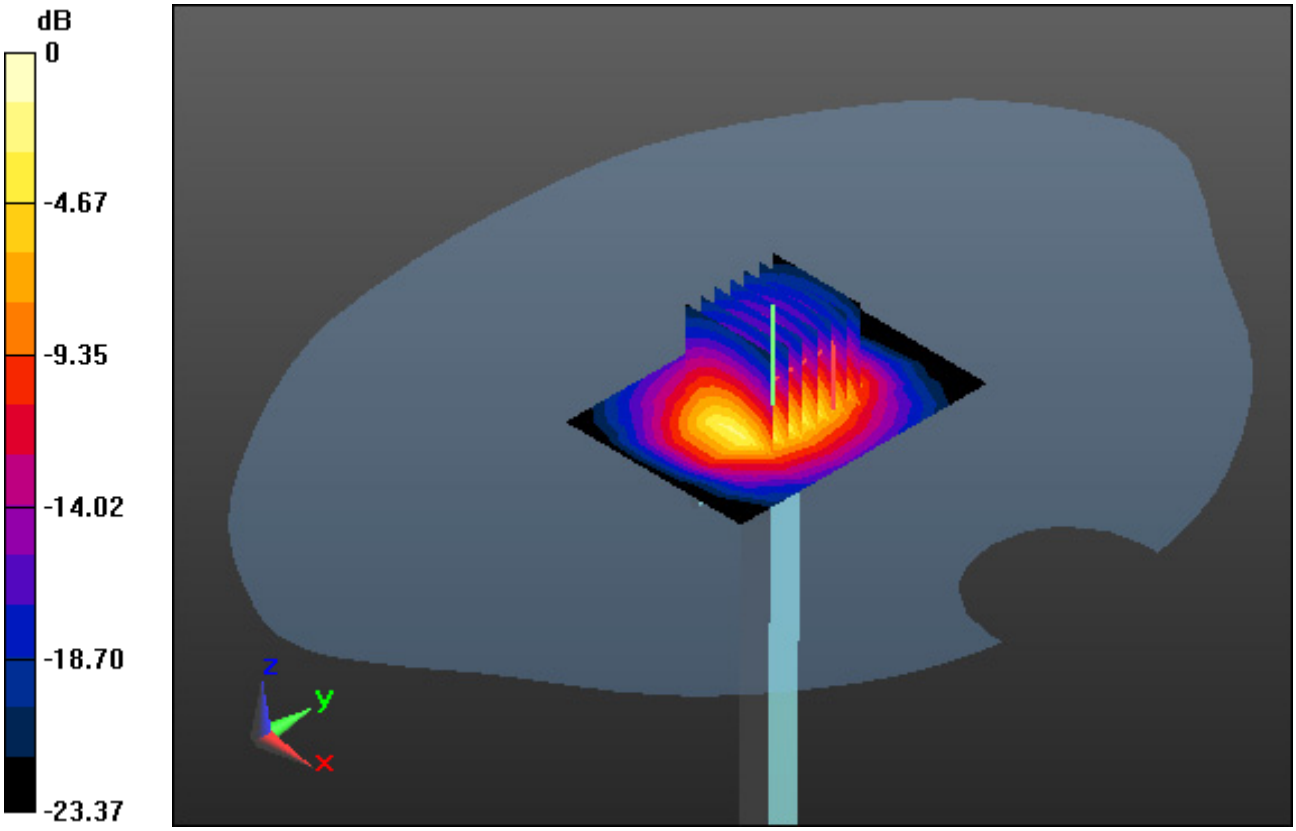
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; $\sigma$ = 1.824 S/m; $\varepsilon_r$ = 39.108; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-15; Ambient Temp: 21.7; Tissue Temp: 21.6

## 2450 MHz System Verification (100 mW)

**Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 13.7 W/kg
**SAR(1 g) = 5.23 W/kg; SAR(10 g) = 2.39 W/kg**




0 dB = 7.96 W/kg

# DT&C Co., Ltd.

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

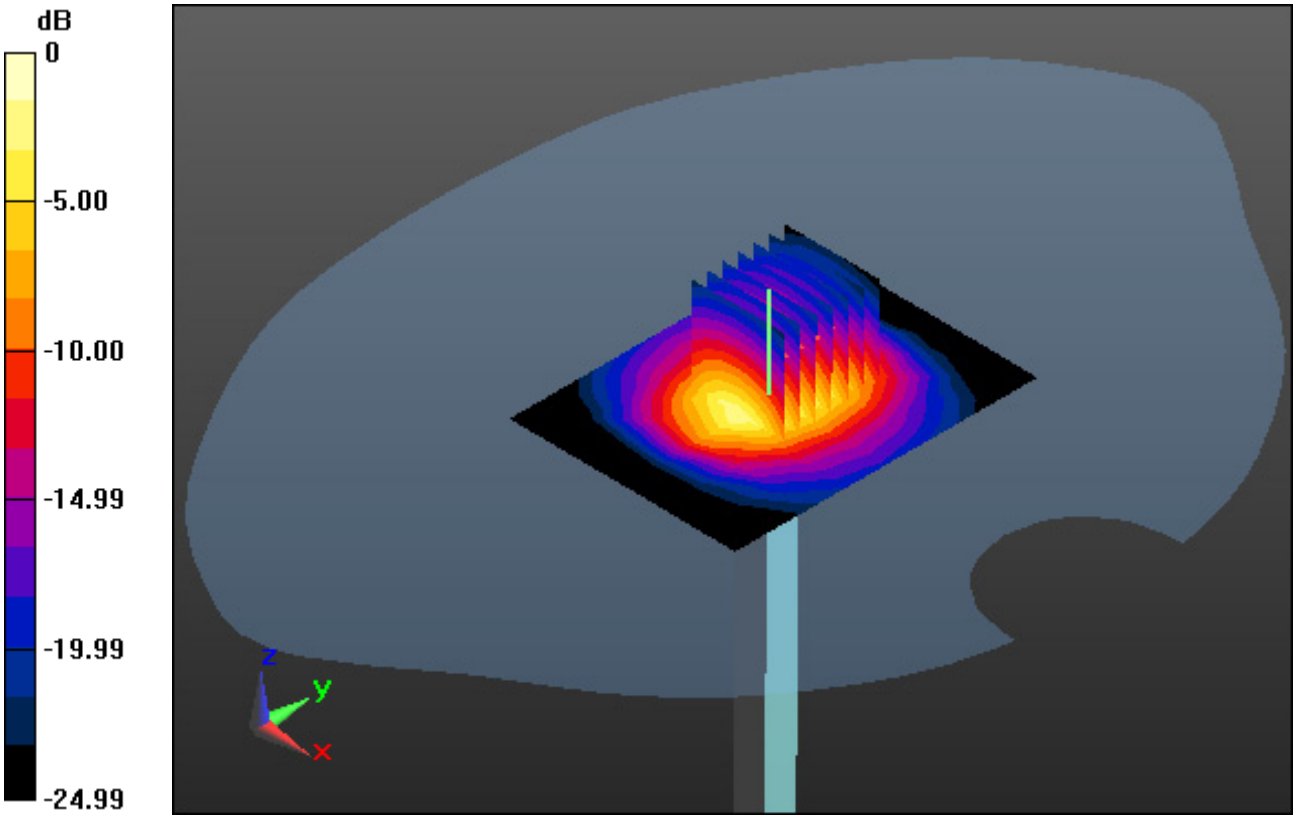
Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; $\sigma$ = 1.806 S/m; $\varepsilon_r$ = 38.103; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-16; Ambient Temp: 20.2; Tissue Temp: 20.6

## 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 = 0.02 dB
Peak SAR (extrapolated) = 10.9 W/kg
**SAR(1 g) = 5.13 W/kg; SAR(10 g) = 2.31 W/kg**




0 dB = 7.79 W/kg

# DT&C Co., Ltd.

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

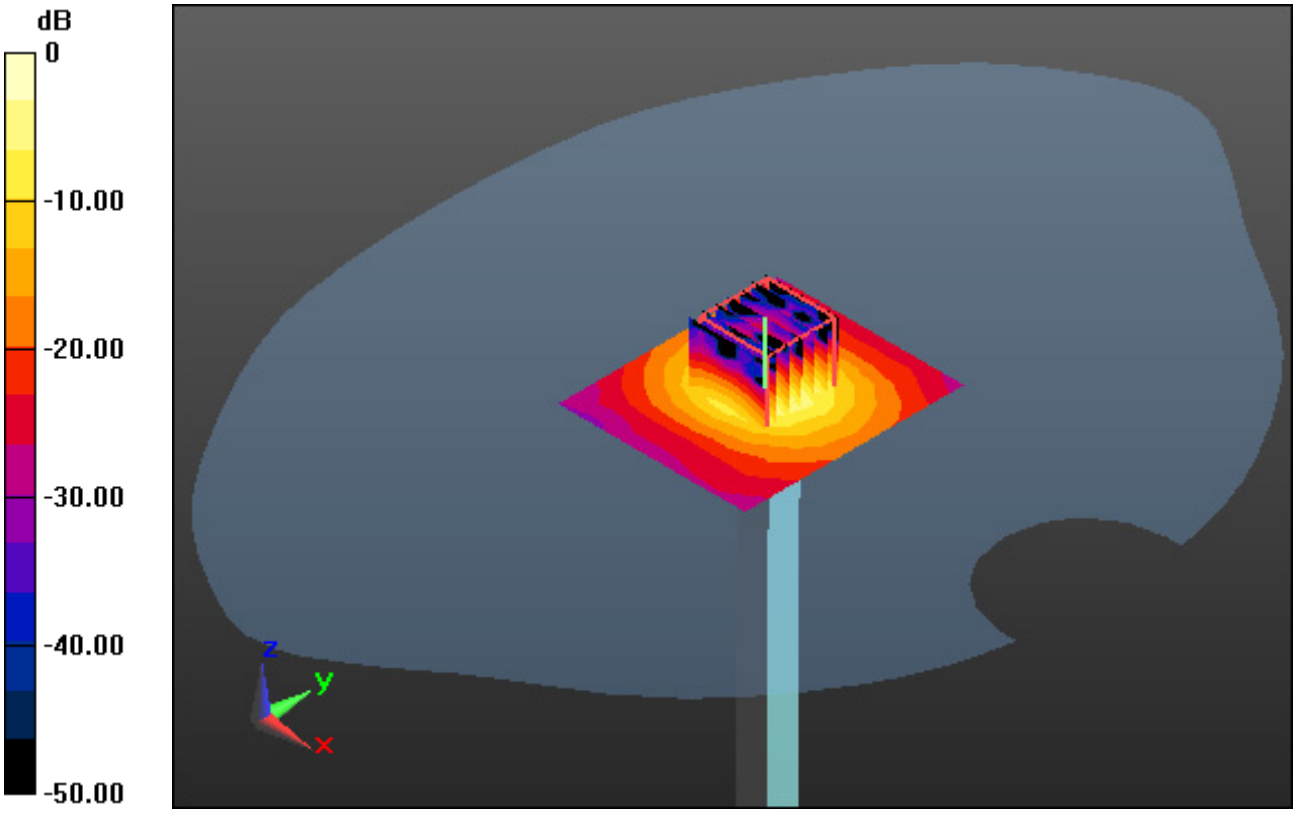
Communication System: UID 0, CW (0); Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 4.659 S/m; $\varepsilon_r$ = 36.877; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-17; Ambient Temp: 22.7; Tissue Temp: 21.9

## 5300 MHz System Verification (100 mW)

**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4
Power Drift = 0.03 dB
Peak SAR (extrapolated) = 38.8 W/kg
**SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.33 W/kg**




0 dB = 19.5 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; $\sigma$ = 4.709 S/m; $\varepsilon_r$ = 35.21; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

**DASY5 Configuration:**

Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2019-10-18; Ambient Temp: 23.1; Tissue Temp: 22.9

## 5300 MHz System Verification (100 mW)

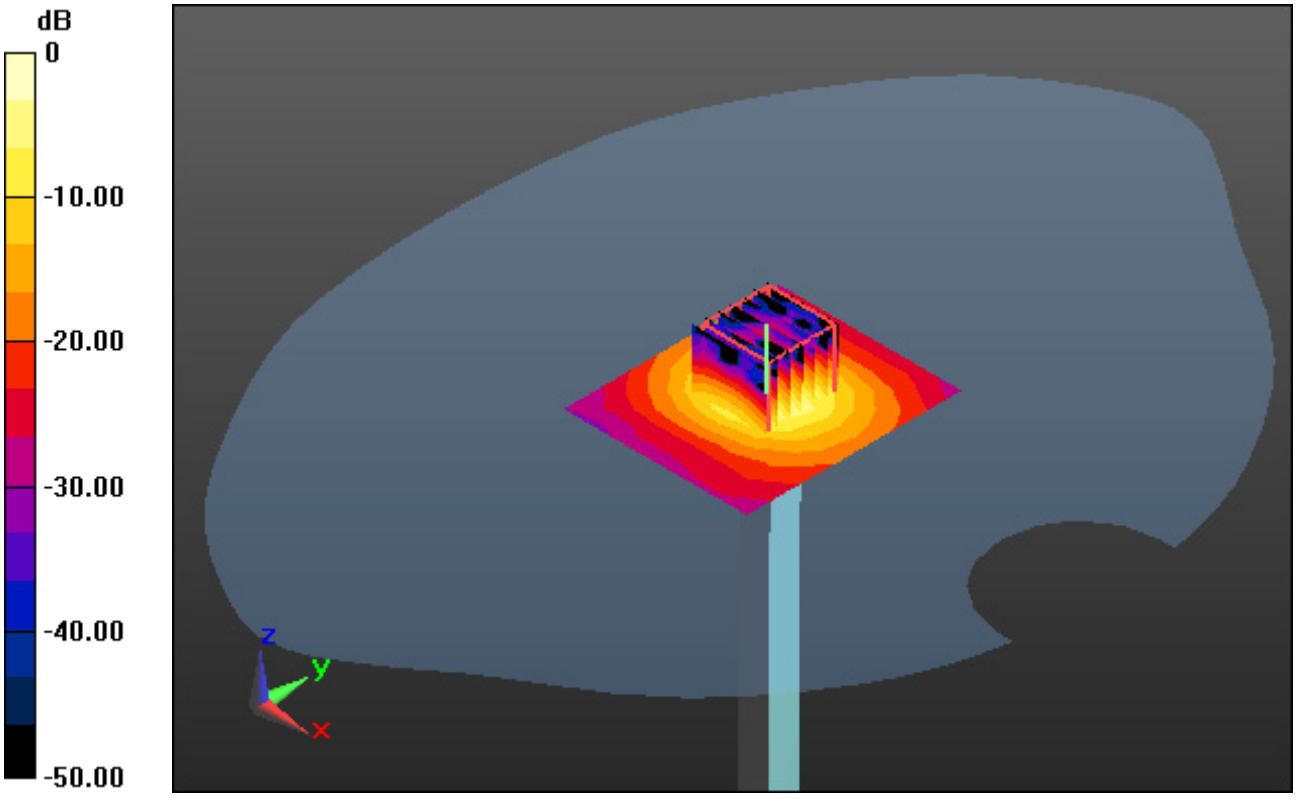
**Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 40.8 W/kg

**SAR(1 g) = 8.4 W/kg; SAR(10 g) = 2.42 W/kg**




0 dB = 22.7 W/kg

# DT&C Co., Ltd.

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

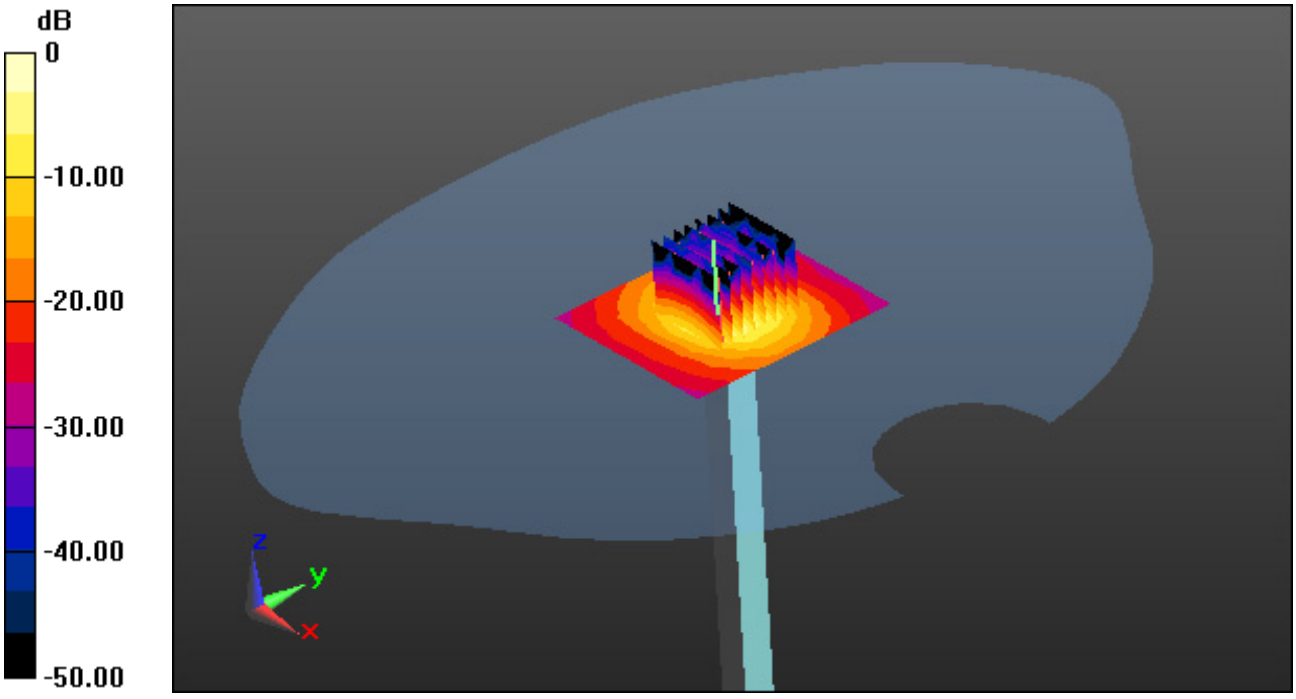
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.171 S/m; $\varepsilon_r$ = 34.341; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-21; Ambient Temp: 21.6; Tissue Temp: 21.3

## 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 = -0.03 dB
Peak SAR (extrapolated) = 33.9 W/kg
**SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.29 W/kg**




0 dB = 18.9 W/kg

# DT&C Co., Ltd.

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

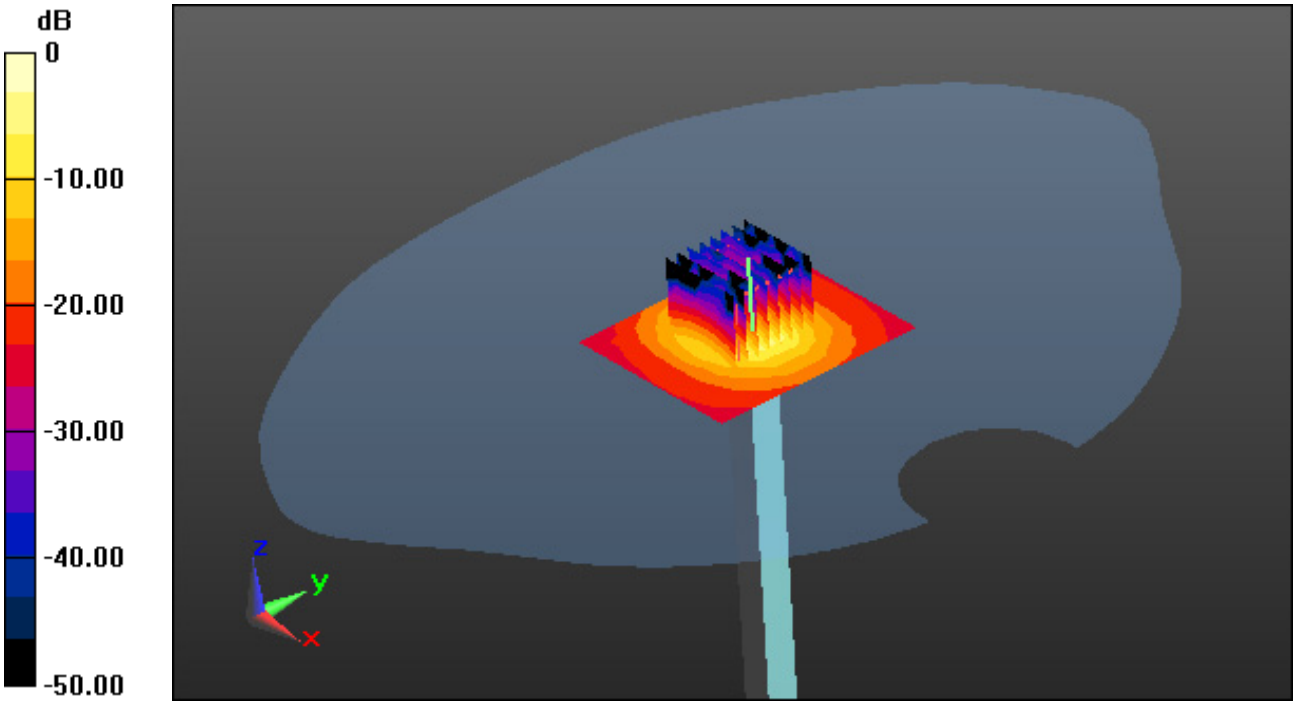
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.098 S/m; $\varepsilon_r$ = 34.273; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-22; Ambient Temp: 20.3; Tissue Temp: 20.2

## 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 = 0.07 dB
Peak SAR (extrapolated) = 32.9 W/kg
**SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.26 W/kg**




0 dB = 16.9 W/kg

# DT&C Co., Ltd.

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

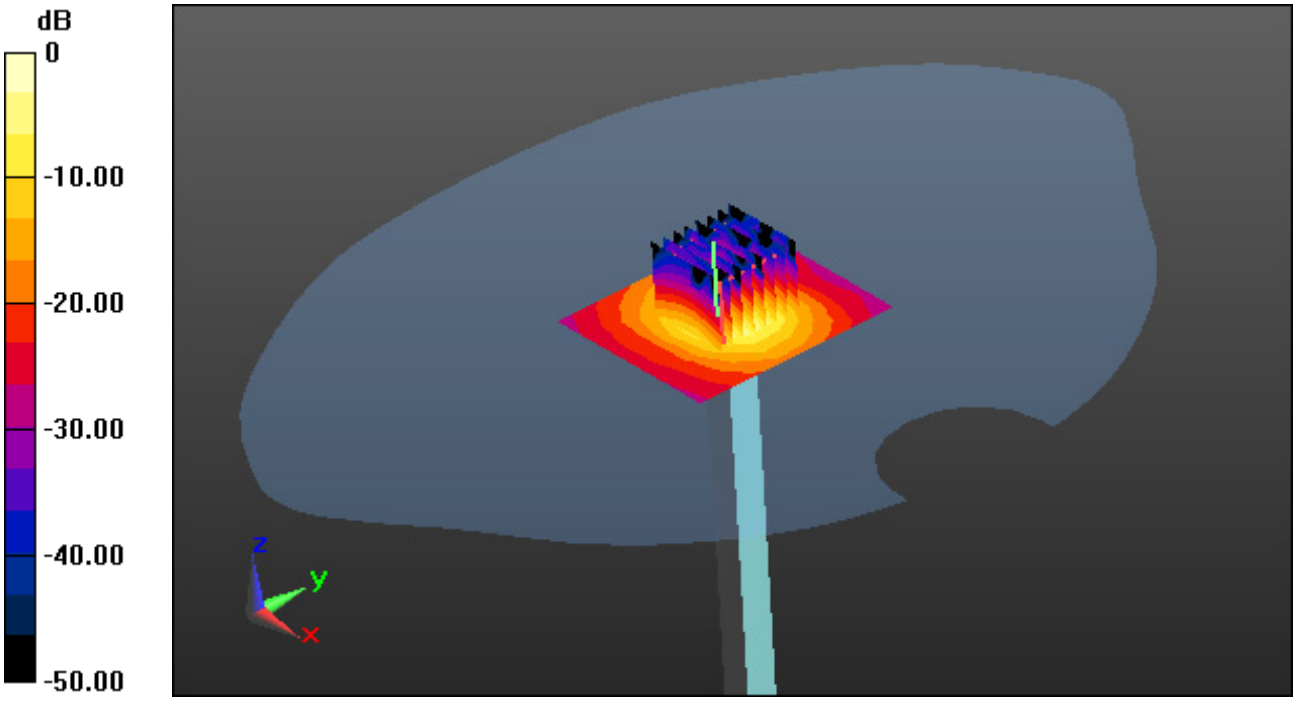
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; $\sigma$ = 5.181 S/m; $\varepsilon_r$ = 34.406; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-23; Ambient Temp: 21.2; Tissue Temp: 21.7

## 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 = -0.10 dB
Peak SAR (extrapolated) = 34.6 W/kg
**SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.28 W/kg**




0 dB = 19.5 W/kg

# DT&C Co., Ltd.

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

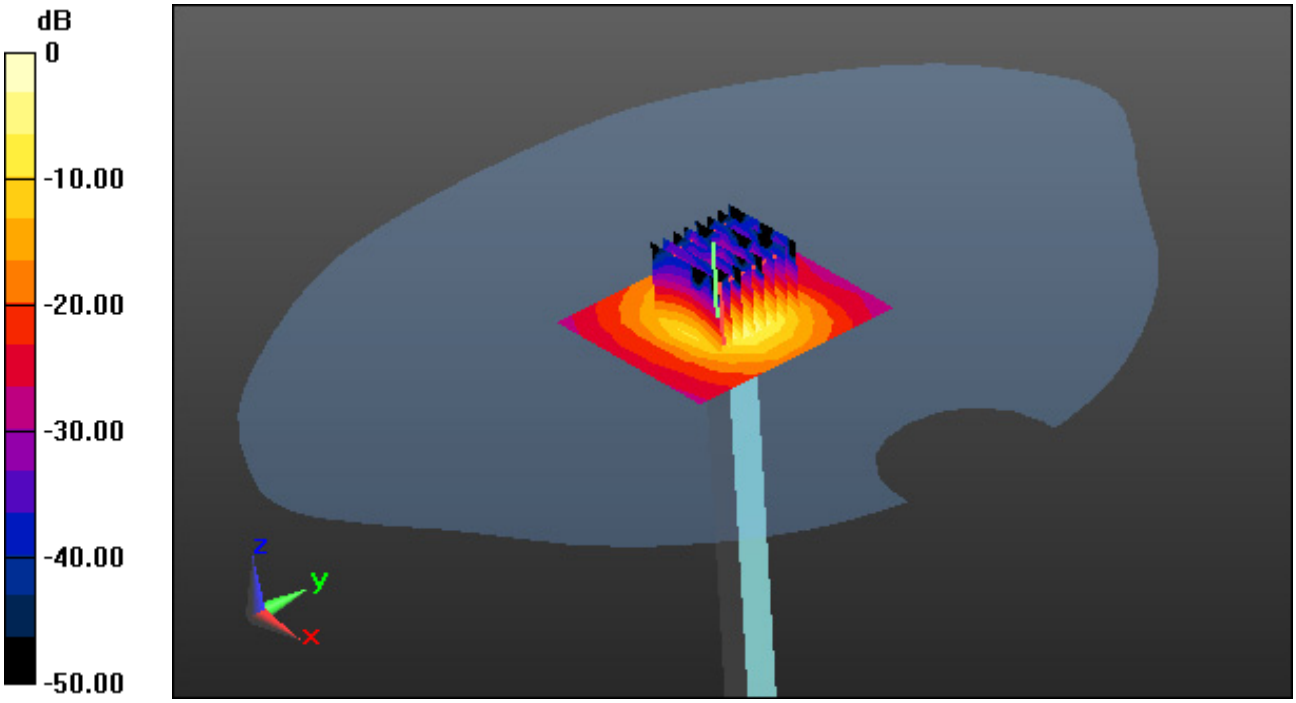
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; $\sigma$ = 5.378 S/m; $\varepsilon_r$ = 35.481; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-24; Ambient Temp: 22.4; Tissue Temp: 22.0

## 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 = -0.05 dB
Peak SAR (extrapolated) = 31.9 W/kg
**SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.24 W/kg**




0 dB = 16.5 W/kg

# DT&C Co., Ltd.

## DUT: PM90W1; Type: PDA

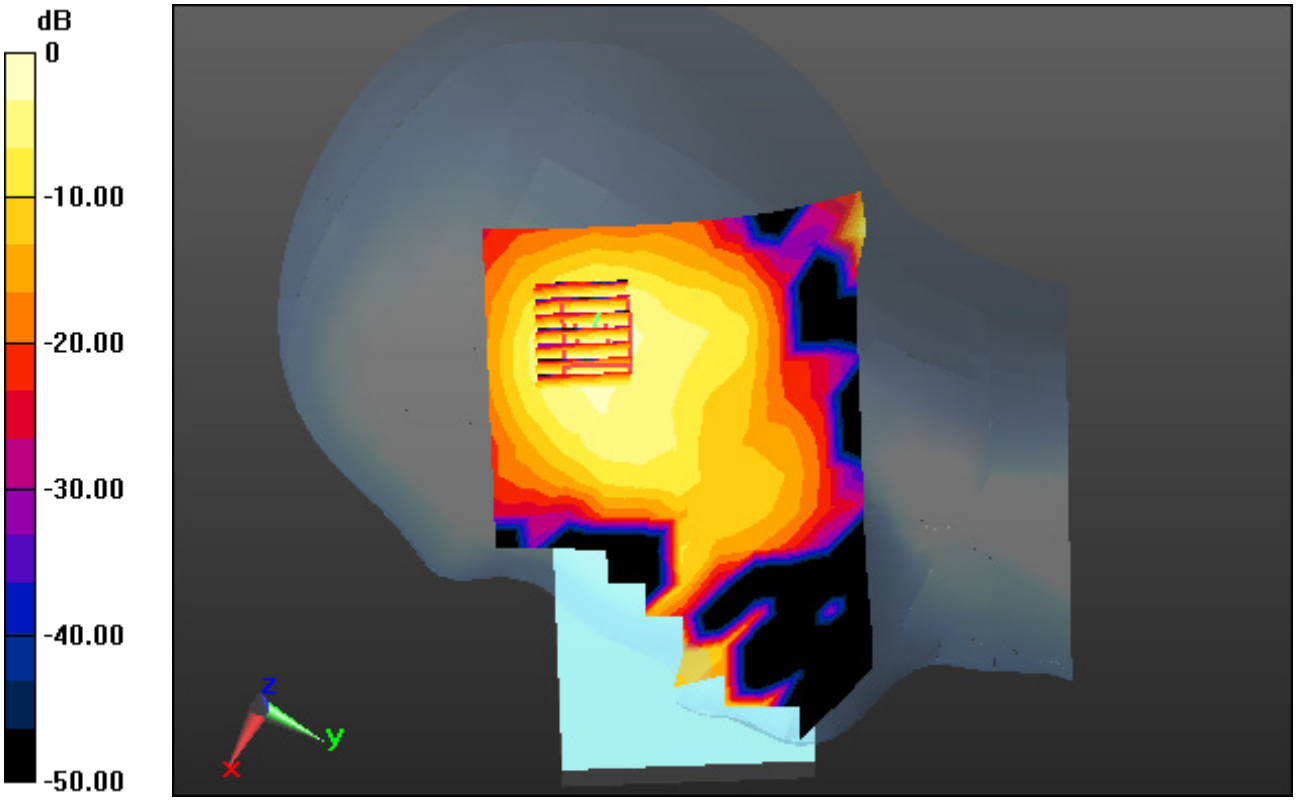
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; $\sigma$ = 1.838 S/m; $\varepsilon_r$ = 39.074; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-15; Ambient Temp: 21.7; Tissue Temp: 21.6

## Right Touch, WLAN(802.11b) Ch. 11, 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 = 0.07 dB
Peak SAR (extrapolated) = 0.284 W/kg
**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.060 W/kg**




0 dB = 0.203 W/kg

# DT&C Co., Ltd.

## DUT: PM90W1;  Type: PDA

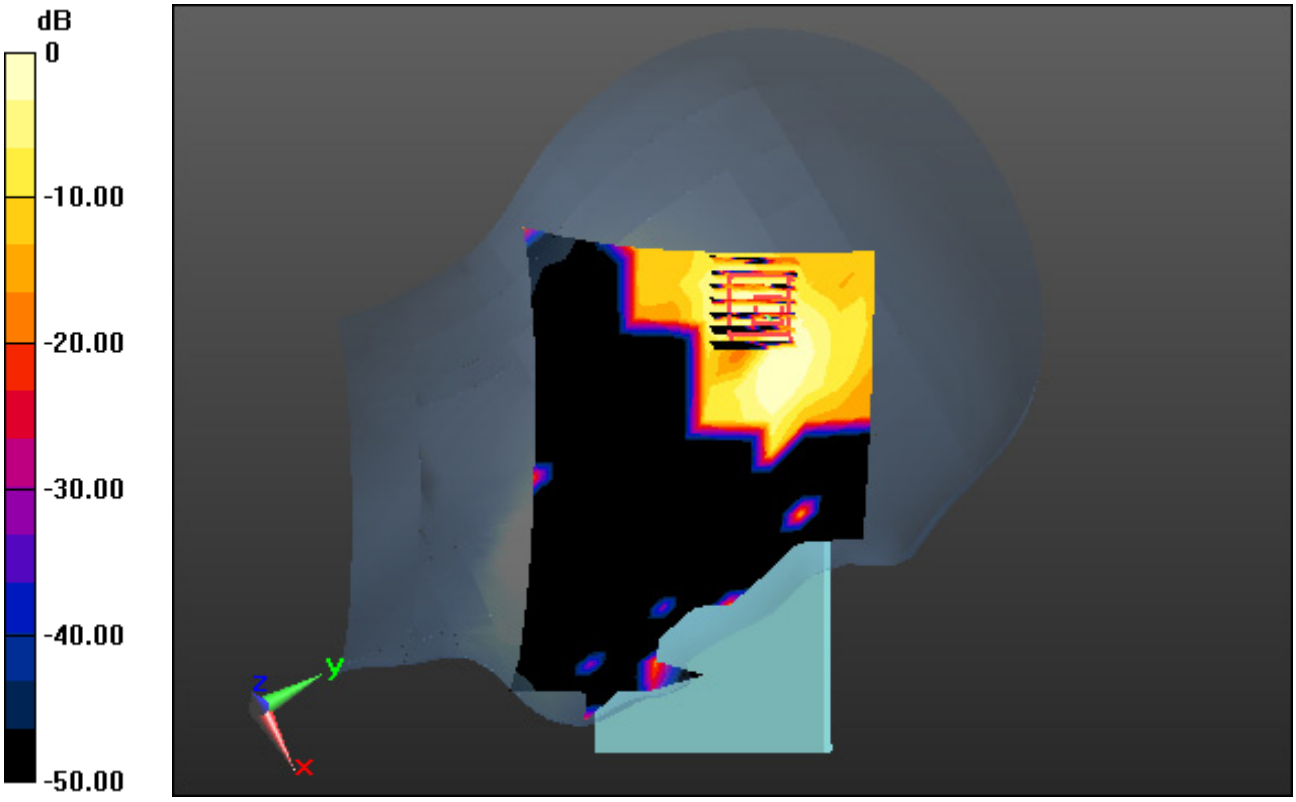
Communication System: UID 0, W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; $\sigma$ = 1.782 S/m; $\varepsilon_r$ = 39.221; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-15; Ambient Temp: 21.7; Tissue Temp: 21.6

## Left Touch, WLAN(802.11b) Ch. 1, 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 = 0.00 dB
Peak SAR (extrapolated) = 0.0295 W/kg
**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00479 W/kg**




0 dB = 0.0212 W/kg

# DT&C Co., Ltd.

## DUT: PM90W1; Type: PDA

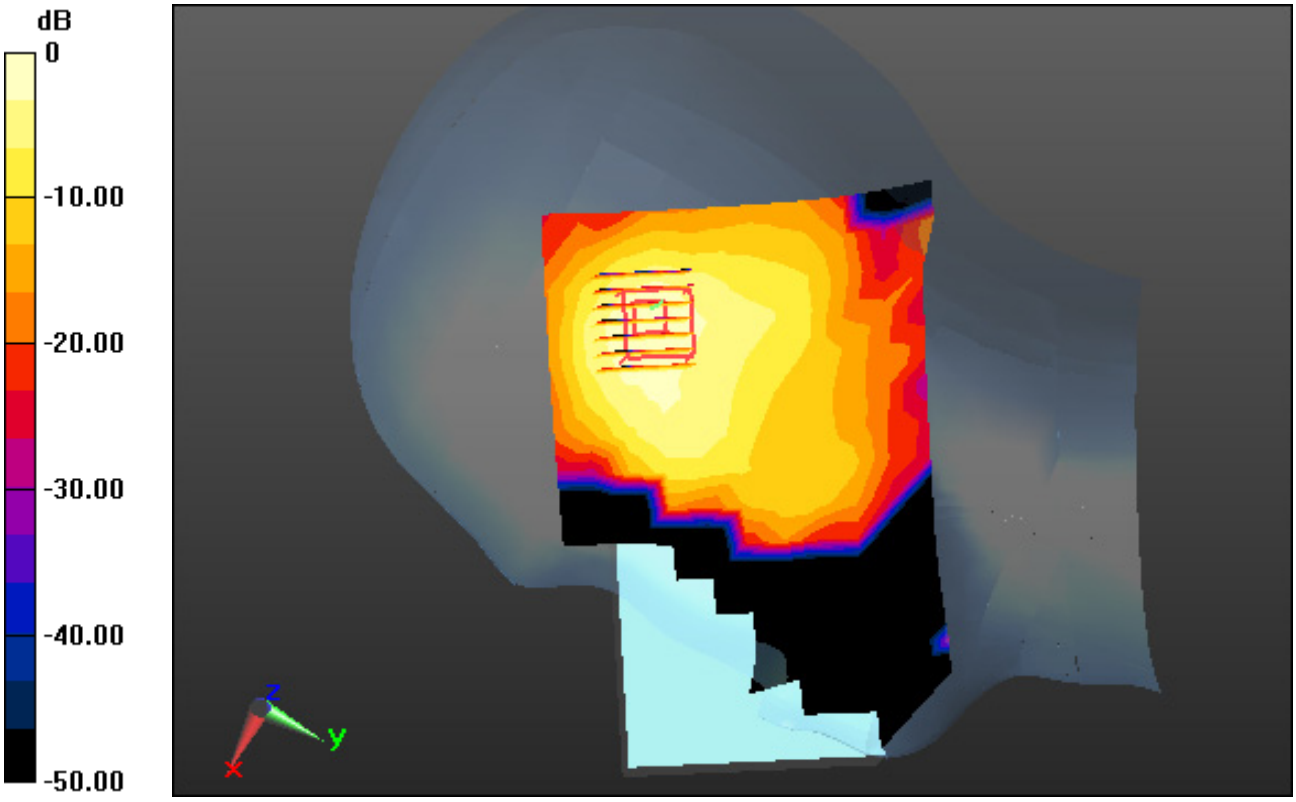
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; $\sigma$ = 1.838 S/m; $\varepsilon_r$ = 39.074; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-15; Ambient Temp: 21.7; Tissue Temp: 21.6

## Right Touch, WLAN(802.11b) 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 = 0.04 dB
Peak SAR (extrapolated) = 0.216 W/kg
**SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.048 W/kg**




0 dB = 0.149 W/kg

# DT&C Co., Ltd.

## DUT: PM90W1; Type: PDA

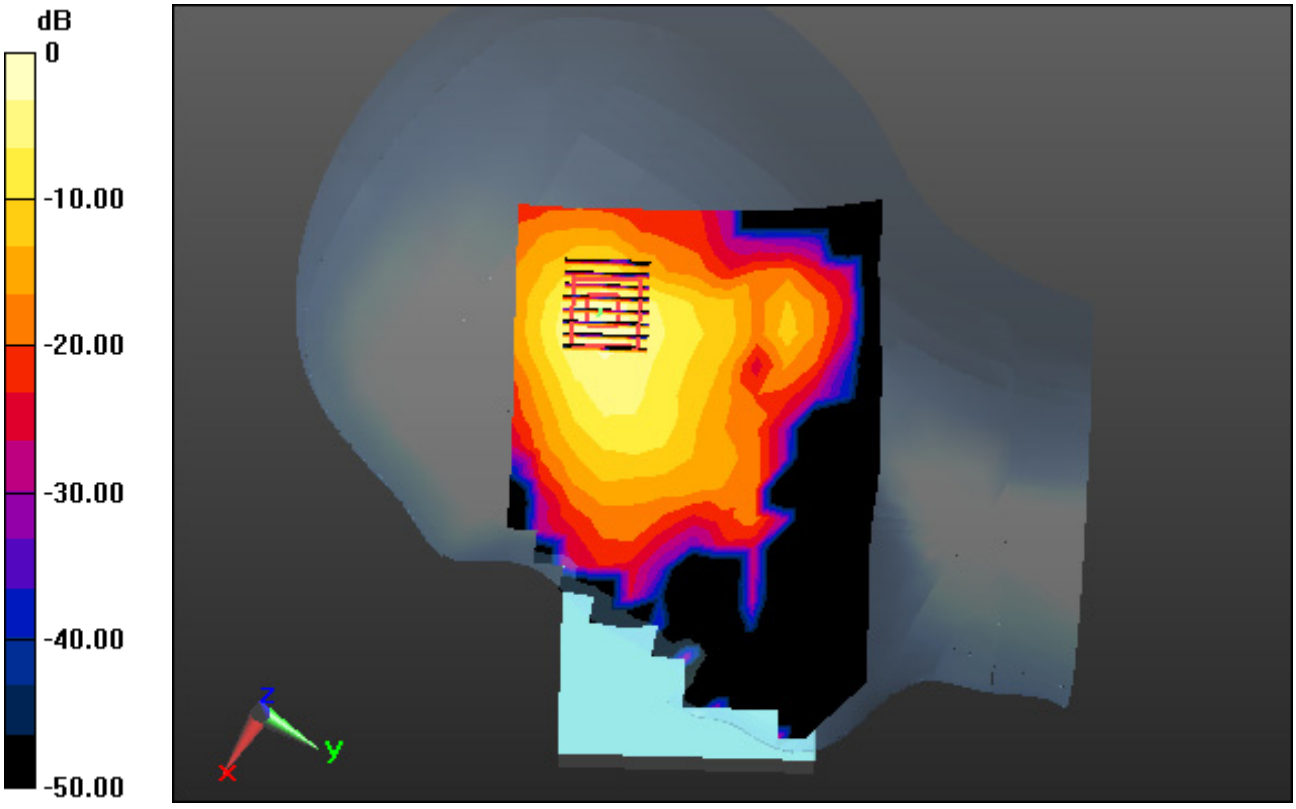
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.615 S/m; $\varepsilon_r$ = 36.966; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-17; Ambient Temp: 22.7; Tissue Temp: 21.9

## 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 = 0.04 dB
Peak SAR (extrapolated) = 2.44 W/kg
**SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.223 W/kg**




0 dB = 1.53 W/kg

# DT&C Co., Ltd.

## DUT: PM90W1; Type: PDA

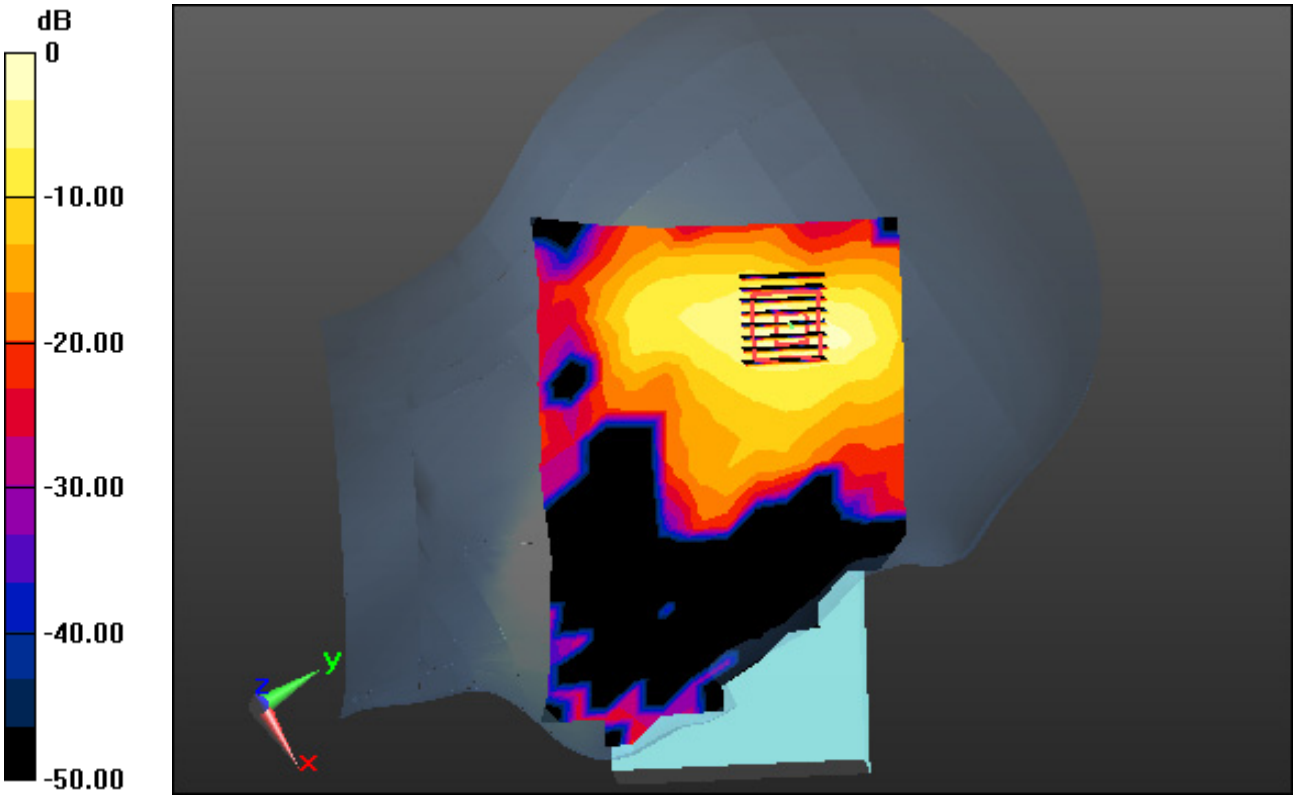
Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.615 S/m; $\varepsilon_r$ = 36.966; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-17; Ambient Temp: 22.7; Tissue Temp: 21.9

## Left Touch, WLAN(802.11a) Ch. 52, 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 = 0.04 dB
Peak SAR (extrapolated) = 1.19 W/kg
**SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.112 W/kg**




0 dB = 0.770 W/kg

# DT&C Co., Ltd.

**DUT: PM90W1; Type: PDA**

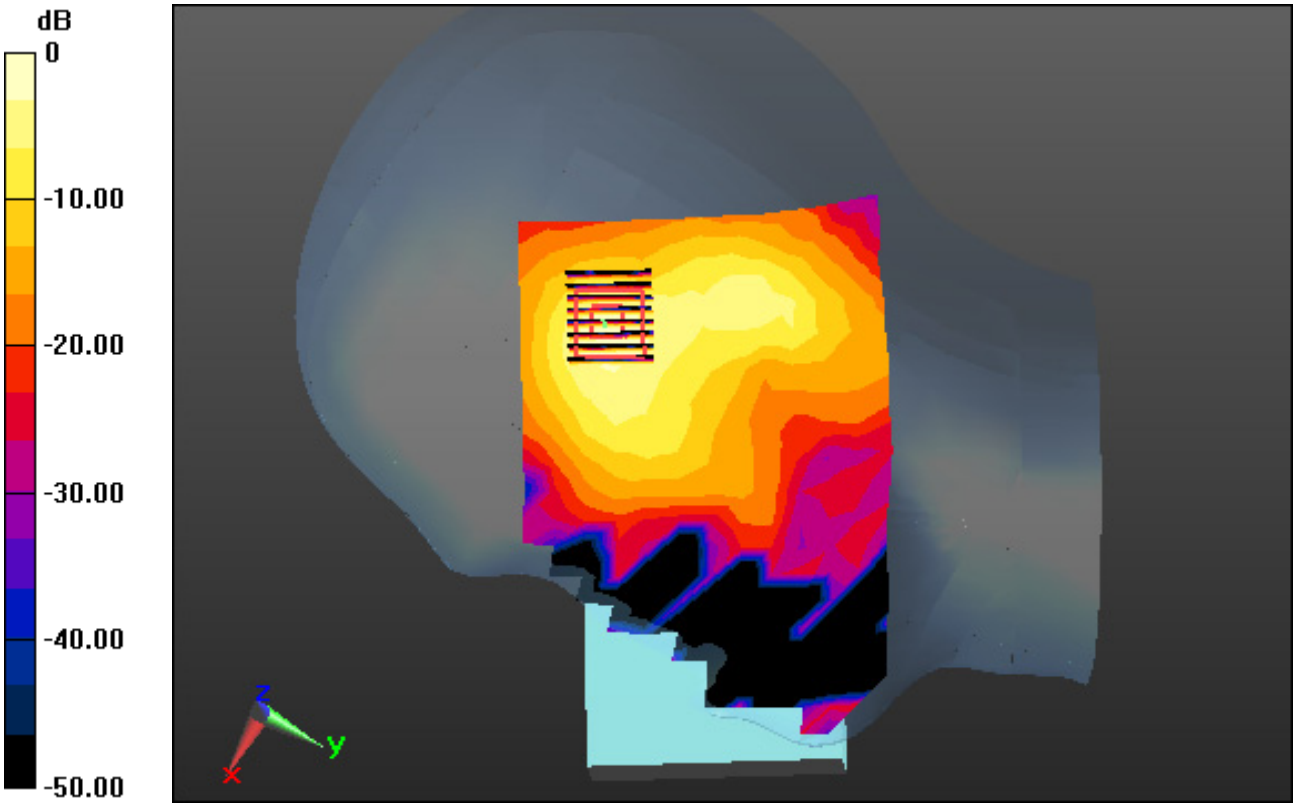
Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.615 S/m; $\varepsilon_r$ = 36.966; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-17; Ambient Temp: 22.7; Tissue Temp: 21.9

**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 = 0.07 dB
Peak SAR (extrapolated) = 2.49 W/kg
**SAR(1 g) = 0.666 W/kg; SAR(10 g) = 0.226 W/kg**




0 dB = 1.55 W/kg

**DUT: PM90W1; Type: PDA**

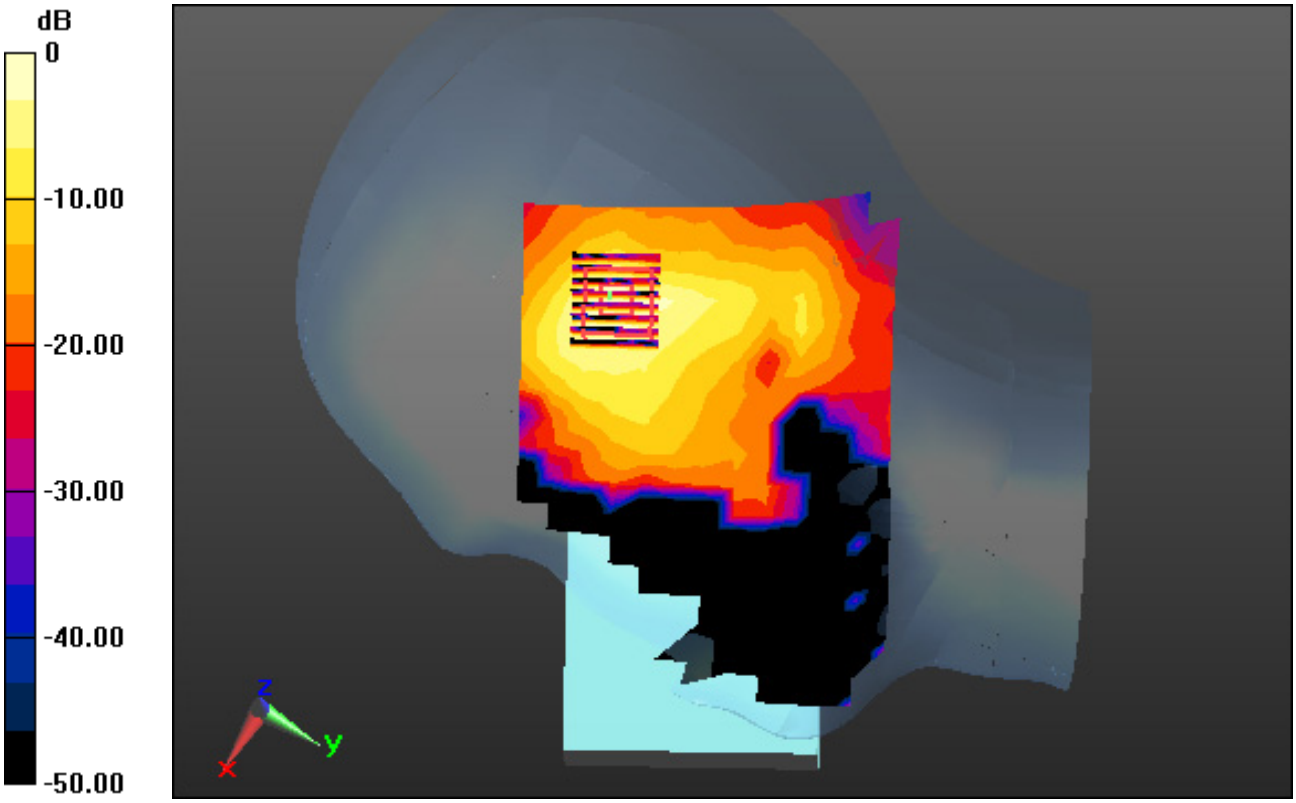
Communication System: UID 0, W-LAN_5600 (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.234 S/m; $\varepsilon_r$ = 34.235; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-21; Ambient Temp: 21.6; Tissue Temp: 21.3

**Right Touch, WLAN(802.11a) Ch. 132, 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) = 2.06 W/kg
**SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.168 W/kg**




0 dB = 1.21 W/kg

**DUT: PM90W1; Type: PDA**

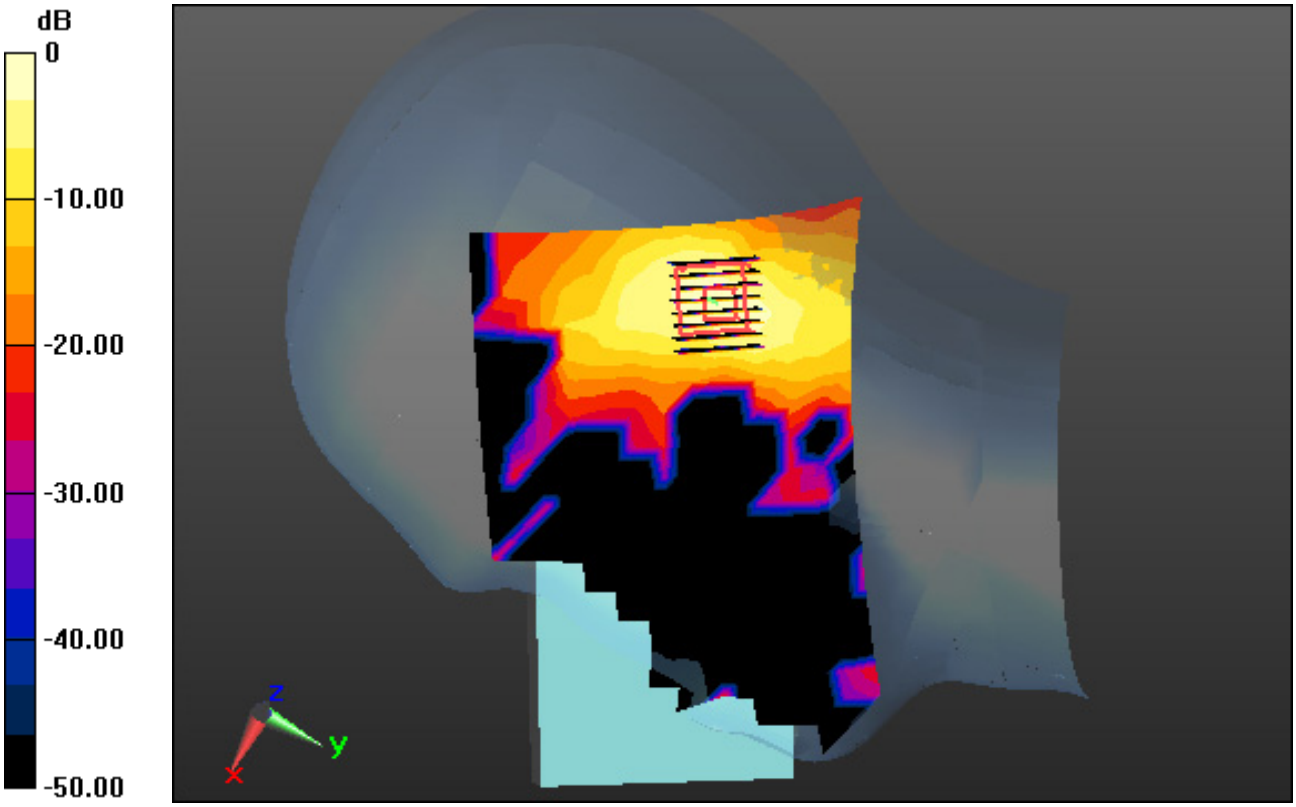
Communication System: UID 0, W-LAN_5500 (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.234 S/m; $\varepsilon_r$ = 34.235; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-21; Ambient Temp: 21.6; Tissue Temp: 21.3

**Right Tilt, WLAN(802.11a) Ch. 132, 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 = 0.10 dB
Peak SAR (extrapolated) = 1.07 W/kg
**SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.104 W/kg**




0 dB = 0.669 W/kg

**DUT: PM90W1; Type: PDA**

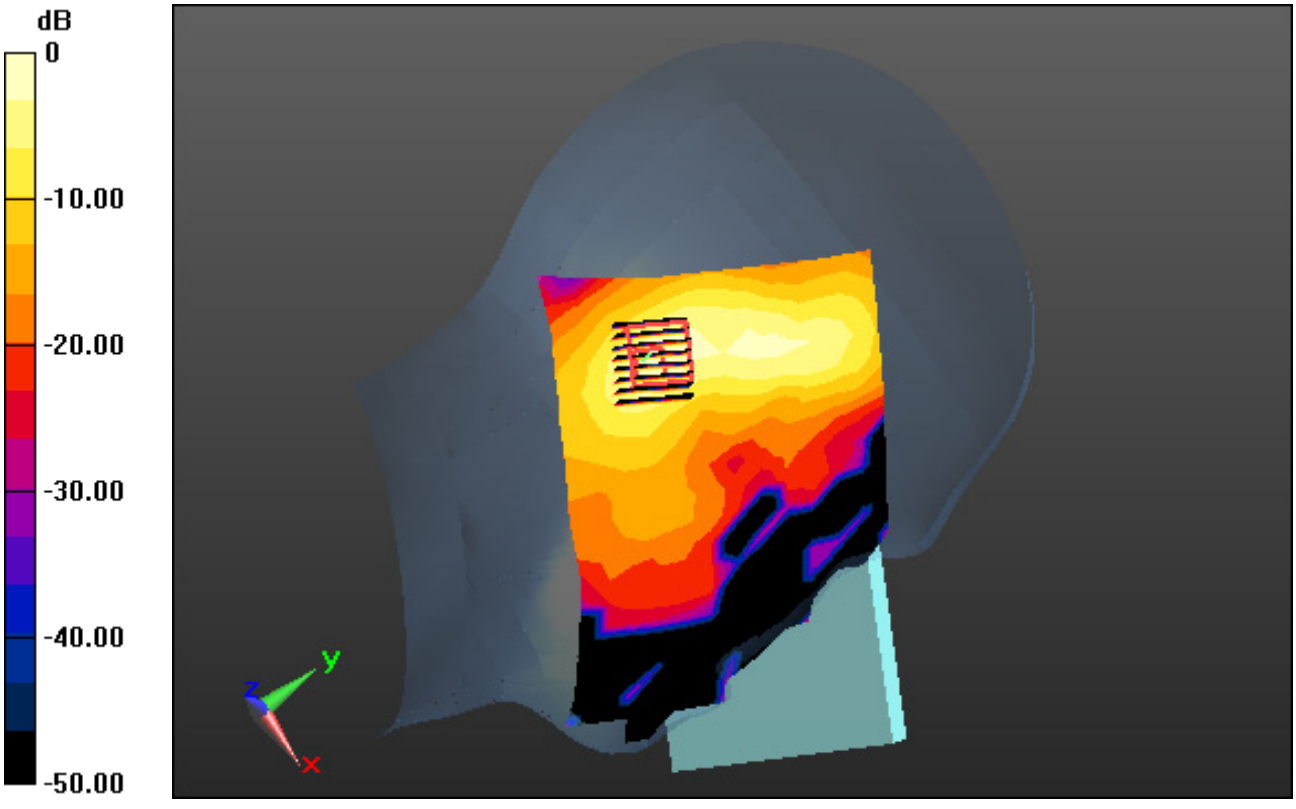
Communication System: UID 0, W-LAN 5.6G&5.8G (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.234 S/m; $\varepsilon_r$ = 34.235; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-21; Ambient Temp: 21.6; Tissue Temp: 21.3

**Left Tilt, WLAN(802.11a) Ch. 132, 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 = 0.09 dB
Peak SAR (extrapolated) = 1.75 W/kg
**SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.168 W/kg**




0 dB = 1.08 W/kg

**DUT: PM90W1; Type: PDA**

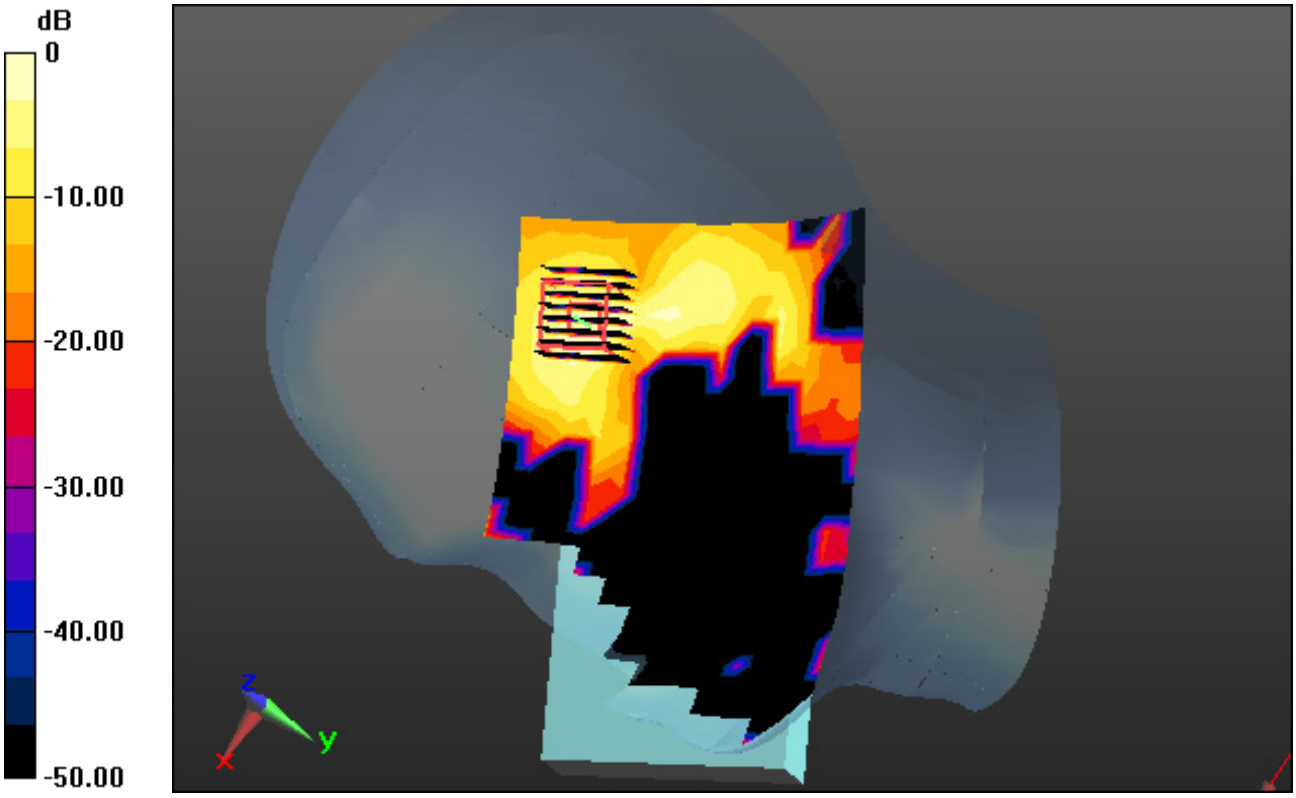
Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.215 S/m; $\varepsilon_r$ = 34.382; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-23; Ambient Temp: 21.2; Tissue Temp: 21.7

**Right Touch, WLAN(802.11a) Ch. 165, 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 = 0.07 dB
Peak SAR (extrapolated) = 0.490 W/kg
**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.036 W/kg**




0 dB = 0.296 W/kg

**DUT: PM90W1; Type: PDA**

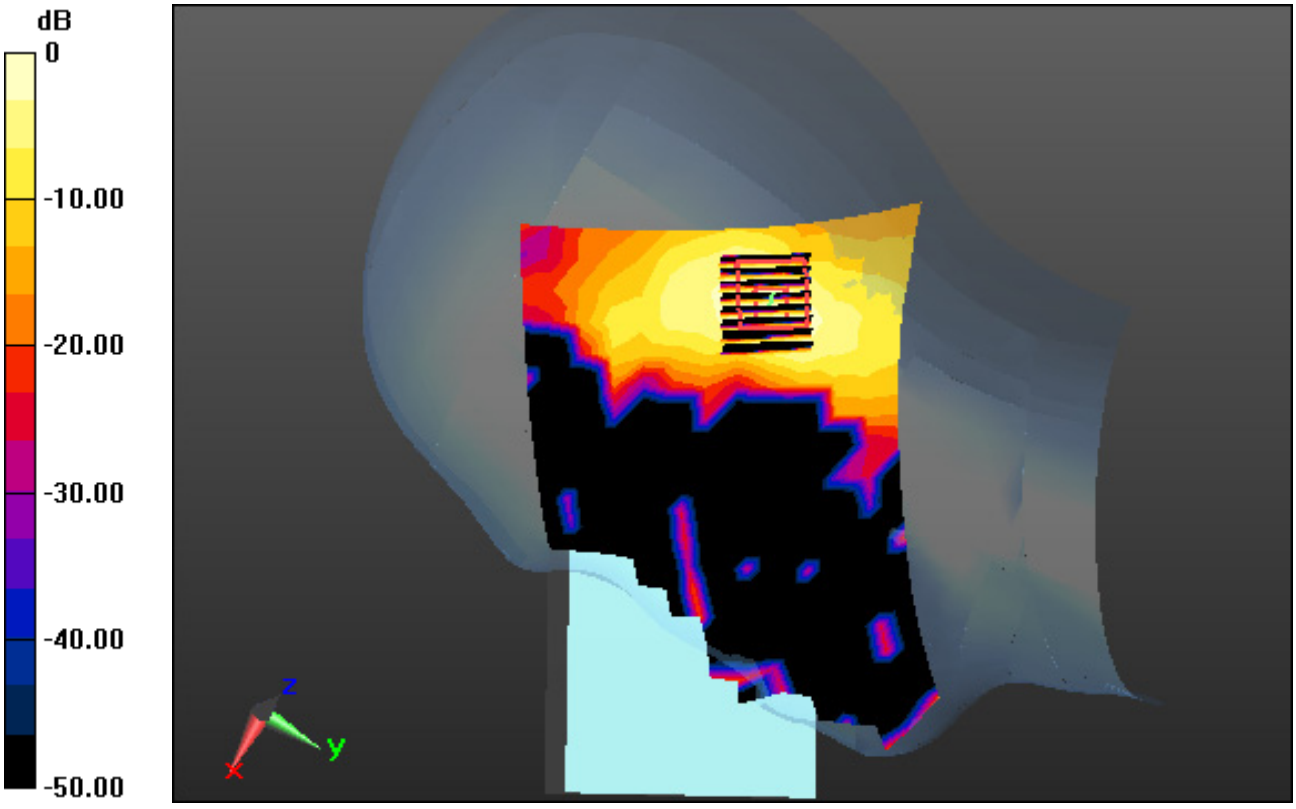
Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.215 S/m; $\varepsilon_r$ = 34.382; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-23; Ambient Temp: 21.2; Tissue Temp: 21.7

**Right Tilt, 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 = 0.13 dB
Peak SAR (extrapolated) = 1.01 W/kg
**SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.098 W/kg**




0 dB = 0.625 W/kg

**DUT: PM90W1; Type: PDA**

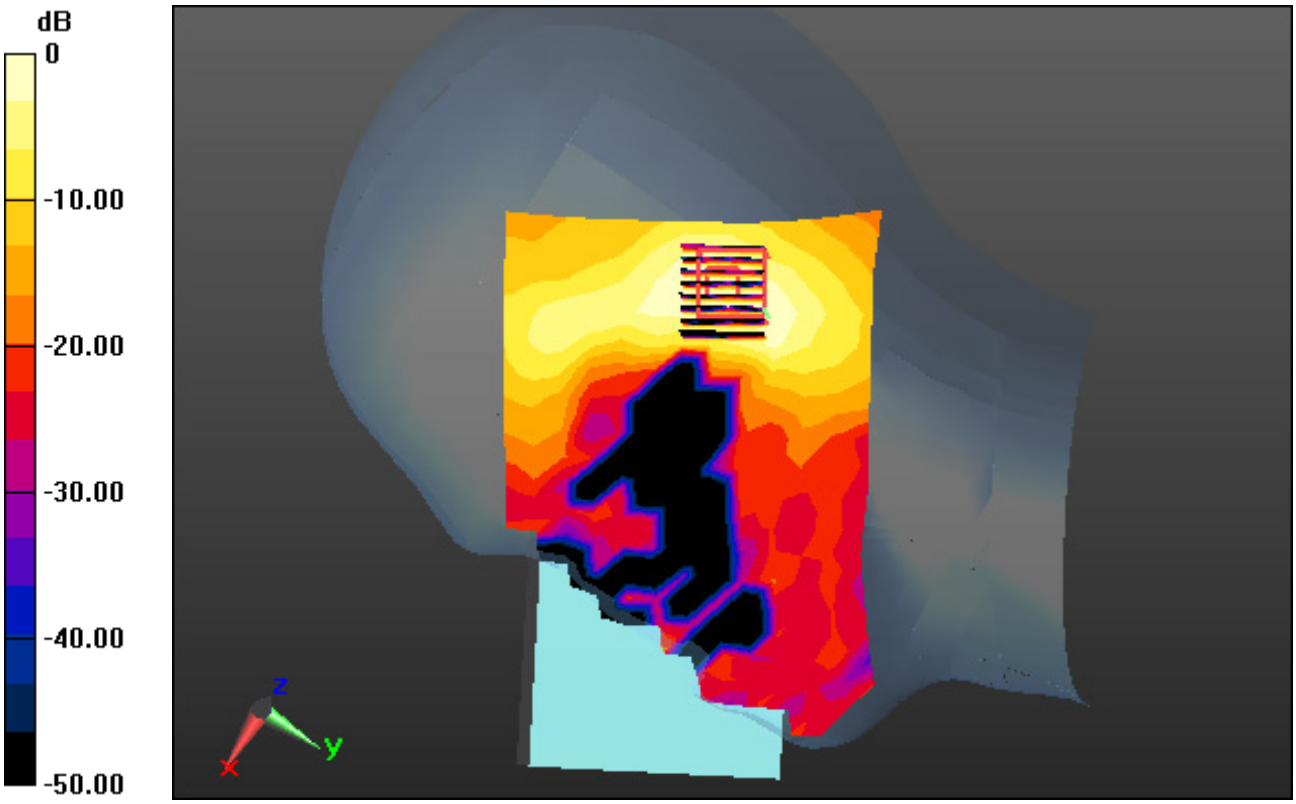
Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.215 S/m; $\varepsilon_r$ = 34.382; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-23; Ambient Temp: 21.2; Tissue Temp: 21.7

**Right Tilt, WLAN(802.11a) Ch. 165, 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 = -0.04 dB
Peak SAR (extrapolated) = 0.811 W/kg
**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.091 W/kg**




0 dB = 0.513 W/kg

**DUT: PM90W1; Type: PDA**

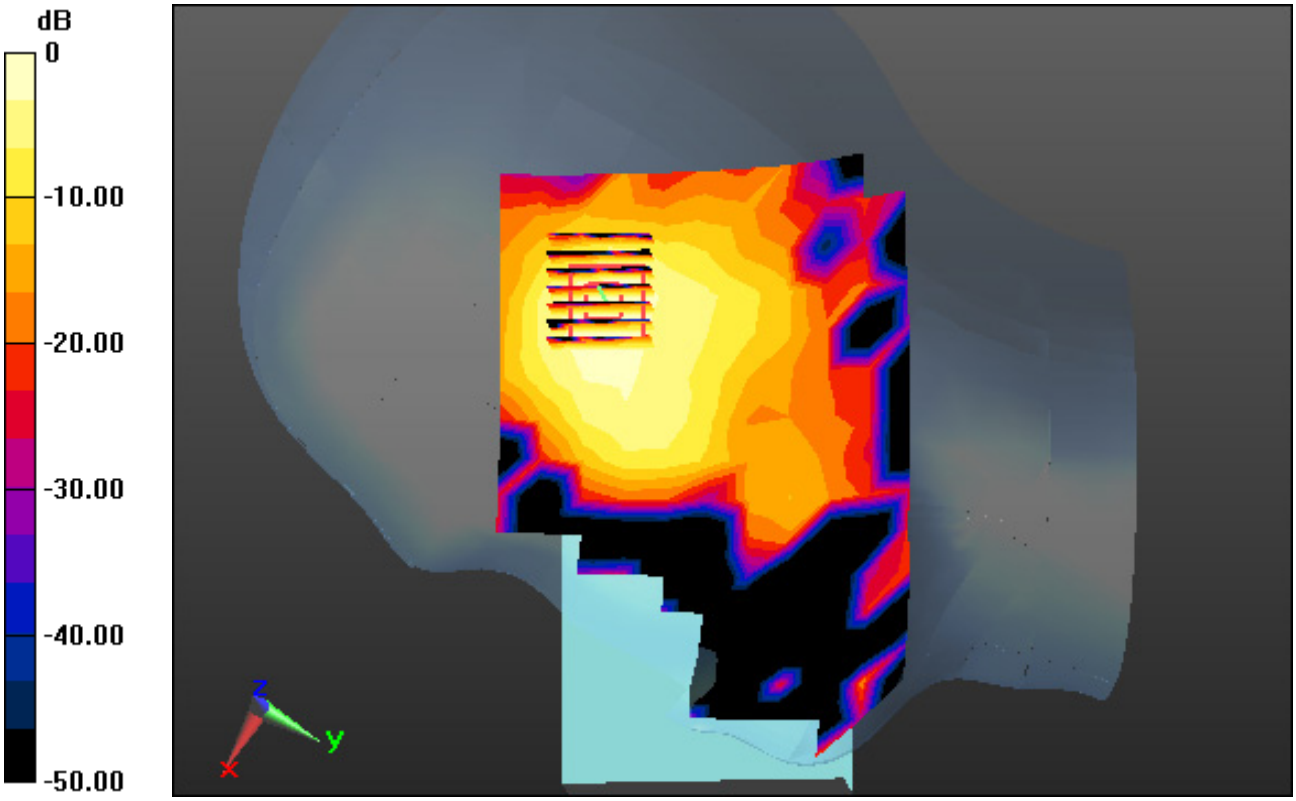
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; $\sigma$ = 1.814 S/m; $\varepsilon_r$ = 39.137; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-15; Ambient Temp: 21.7; Tissue Temp: 21.6

**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 = 0.12 dB
Peak SAR (extrapolated) = 0.0770 W/kg
**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.017 W/kg**




0 dB = 0.0552 W/kg

**DUT: PM90W1; Type: PDA**

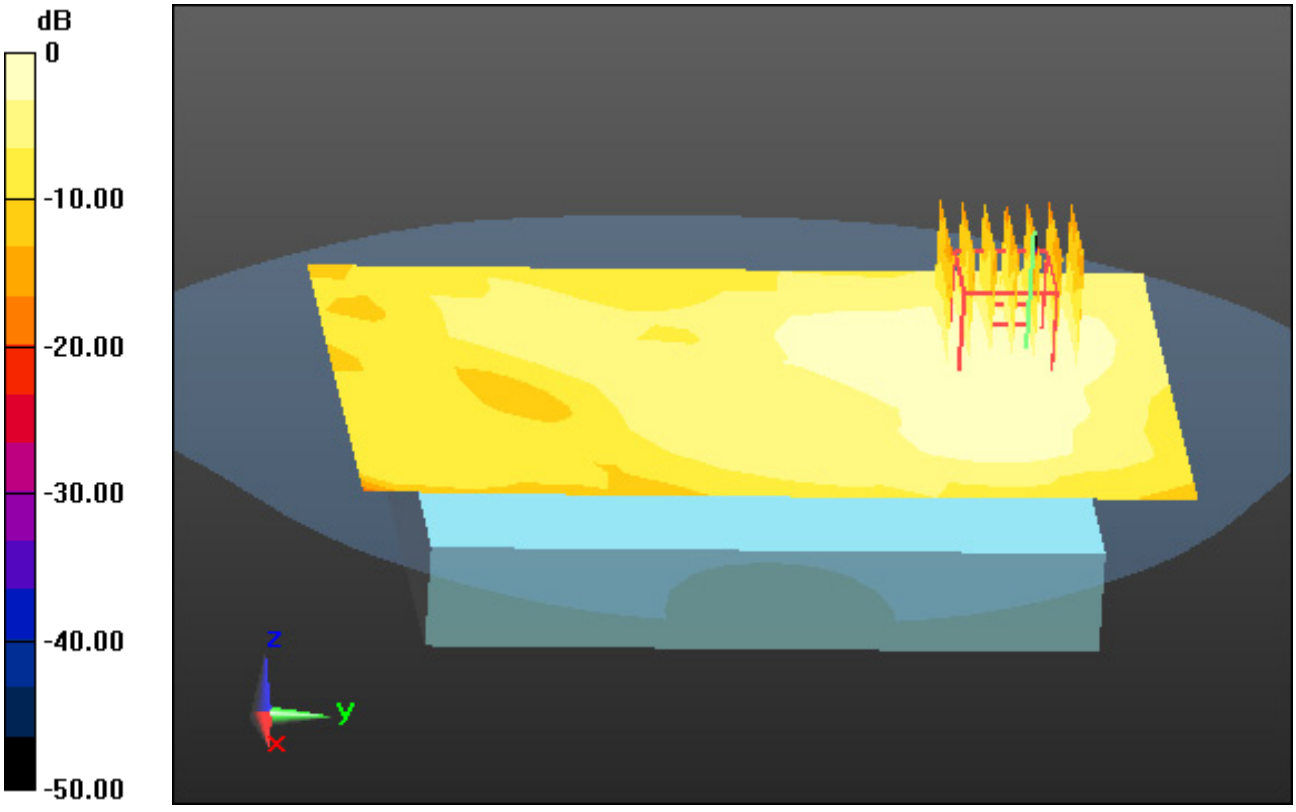
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; $\sigma$ = 1.82 S/m; $\varepsilon_r$ = 38.067; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-16; Ambient Temp: 20.2; Tissue Temp: 20.6

**1.5 cm space from Body, Front, WLAN(802.11b) Ch. 11, Ant Internal, 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 = 0.01 dB
Peak SAR (extrapolated) = 0.0292 W/kg
**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.0089 W/kg**




0 dB = 0.0205 W/kg

**DUT: PM90W1; Type: PDA**

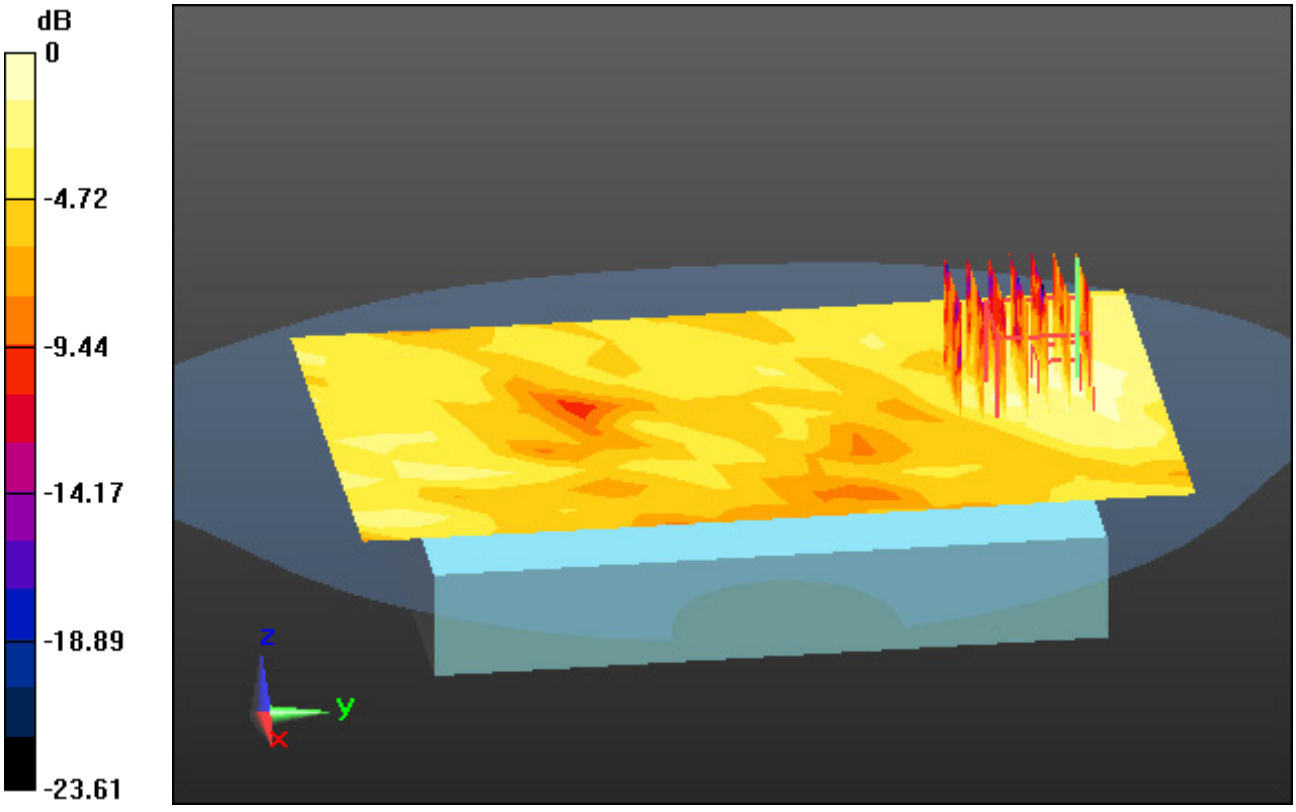
Communication System: UID 0, W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; $\sigma$ = 1.763 S/m; $\varepsilon_r$ = 38.246; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-16; Ambient Temp: 20.2; Tissue Temp: 20.6

**1.5 cm space from Body, Rear, WLAN(802.11b) Ch. 1, Ant Internal, 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 = 0.00 dB
Peak SAR (extrapolated) = 0.0182 W/kg
**SAR(1 g) = 0.0046 W/kg; SAR(10 g) = 0.00242 W/kg**




0 dB = 0.00543 W/kg

# DT&C Co., Ltd.

## DUT: PM90W1; Type: PDA

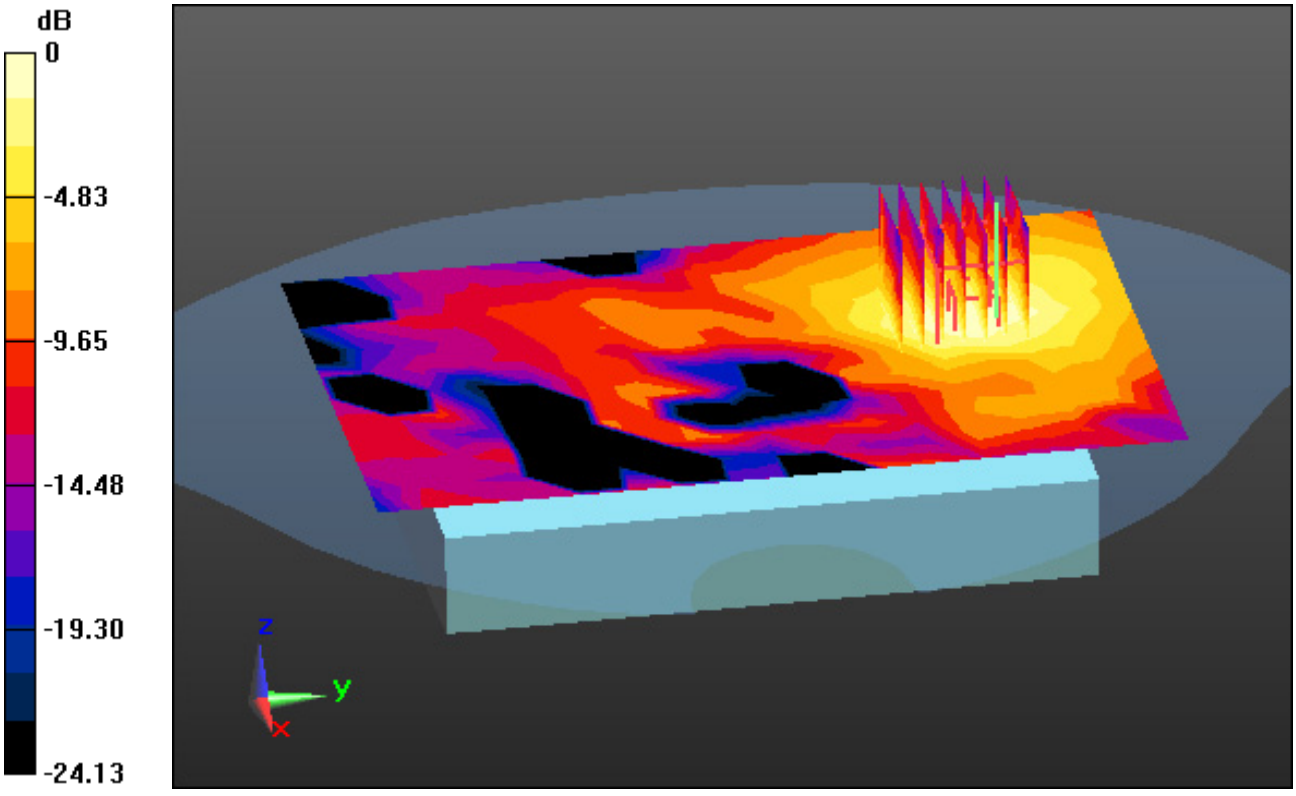
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; $\sigma$ = 1.82 S/m; $\varepsilon_r$ = 38.067; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-16; Ambient Temp: 20.2; Tissue Temp: 20.6

### 1.5 cm space from Body, Rear, WLAN(802.11b) Ch. 11, Ant Internal, 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 = 0.09 dB
Peak SAR (extrapolated) = 0.0612 W/kg
**SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00932 W/kg**




0 dB = 0.0200 W/kg

**DUT: PM90W1; Type: PDA**

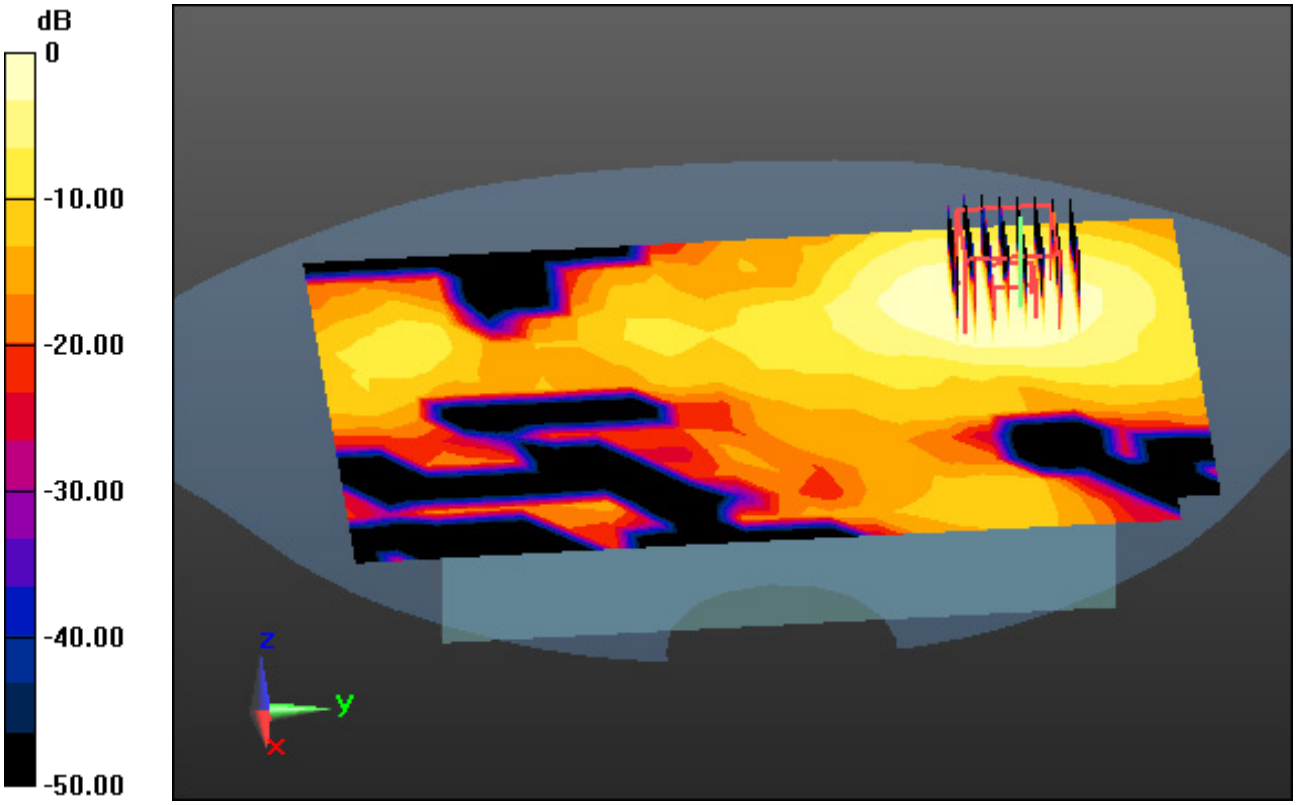
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.673 S/m; $\varepsilon_r$ = 35.272; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-18; Ambient Temp: 23.1; Tissue Temp: 22.9

**1.5 cm space from Body, Front, WLAN(802.11a) Ch. 52, Ant Internal, Ant.1**

**Area Scan (14x21x1):** 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 = 0.11 dB
Peak SAR (extrapolated) = 0.256 W/kg
**SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.029 W/kg**




0 dB = 0.158 W/kg

**DUT: PM90W1; Type: PDA**

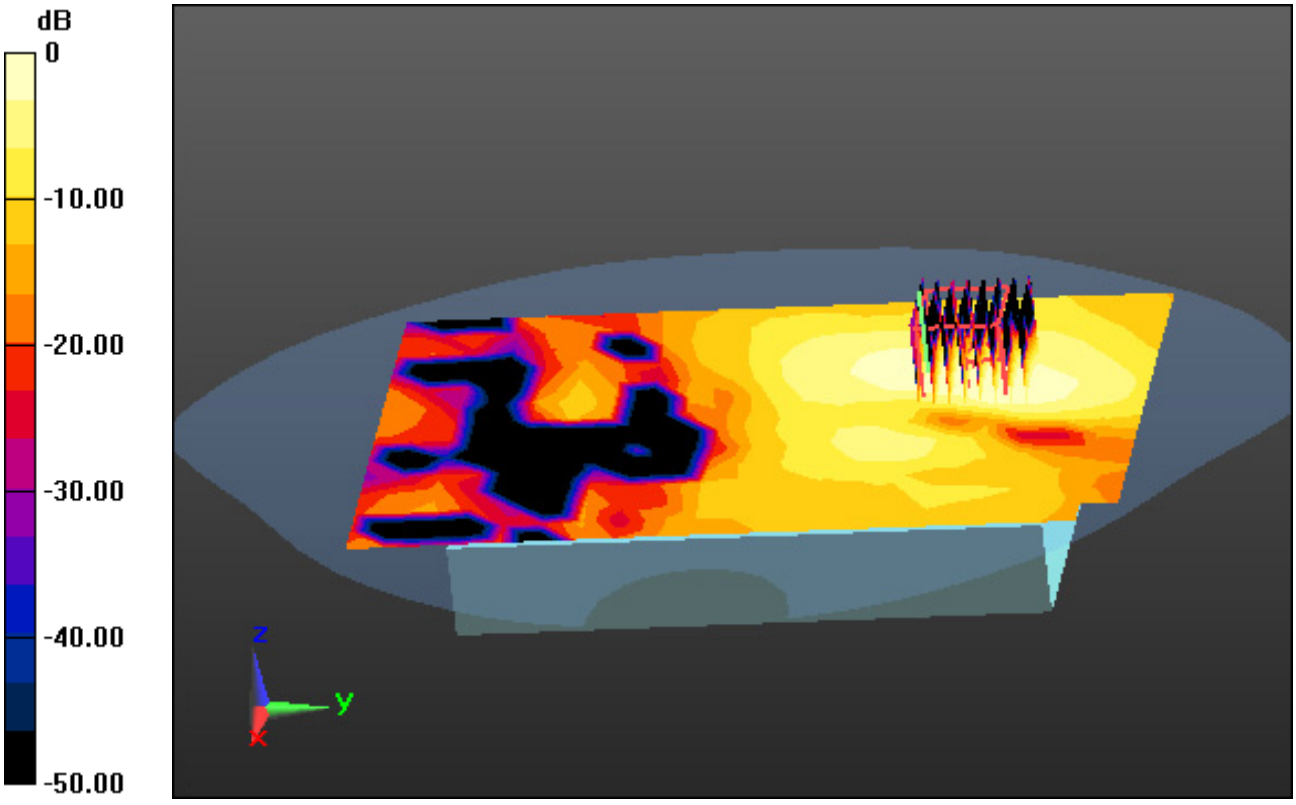
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.673 S/m; $\varepsilon_r$ = 35.272; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-18; Ambient Temp: 23.1; Tissue Temp: 22.9

**1.5 cm space from Body, Rear, WLAN(802.11a) Ch. 52, Ant Internal, Ant.2**

**Area Scan (14x21x1):** 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) = 0.368 W/kg
**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.044 W/kg**




0 dB = 0.245 W/kg

**DUT: PM90W1; Type: PDA**

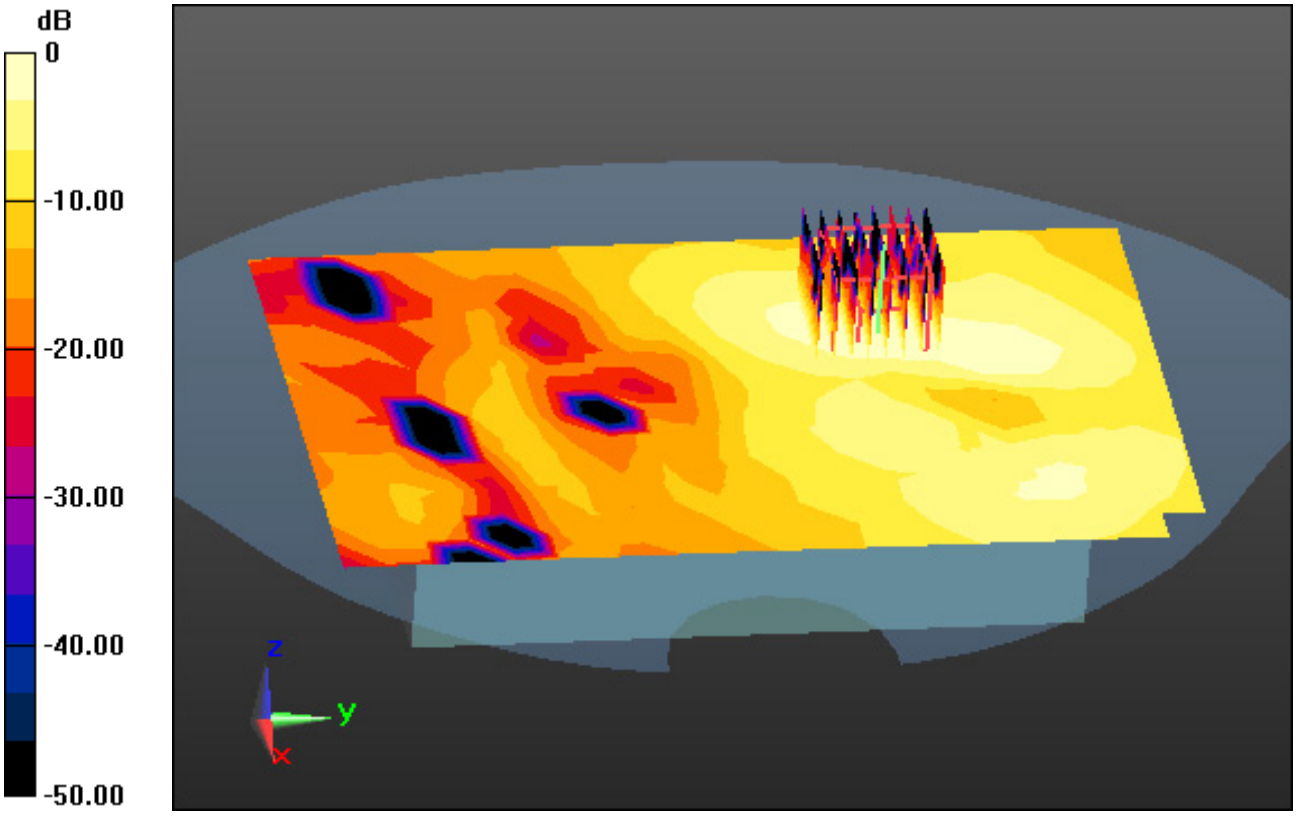
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.673 S/m; $\varepsilon_r$ = 35.272; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-18; Ambient Temp: 23.1; Tissue Temp: 22.9

**1.5 cm space from Body, Rear, WLAN(802.11a) Ch. 52, Ant Internal, MIMO**

**Area Scan (14x21x1):** 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 = -0.11 dB
Peak SAR (extrapolated) = 0.416 W/kg
**SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.046 W/kg**




0 dB = 0.260 W/kg

**DUT: PM90W1; Type: PDA**

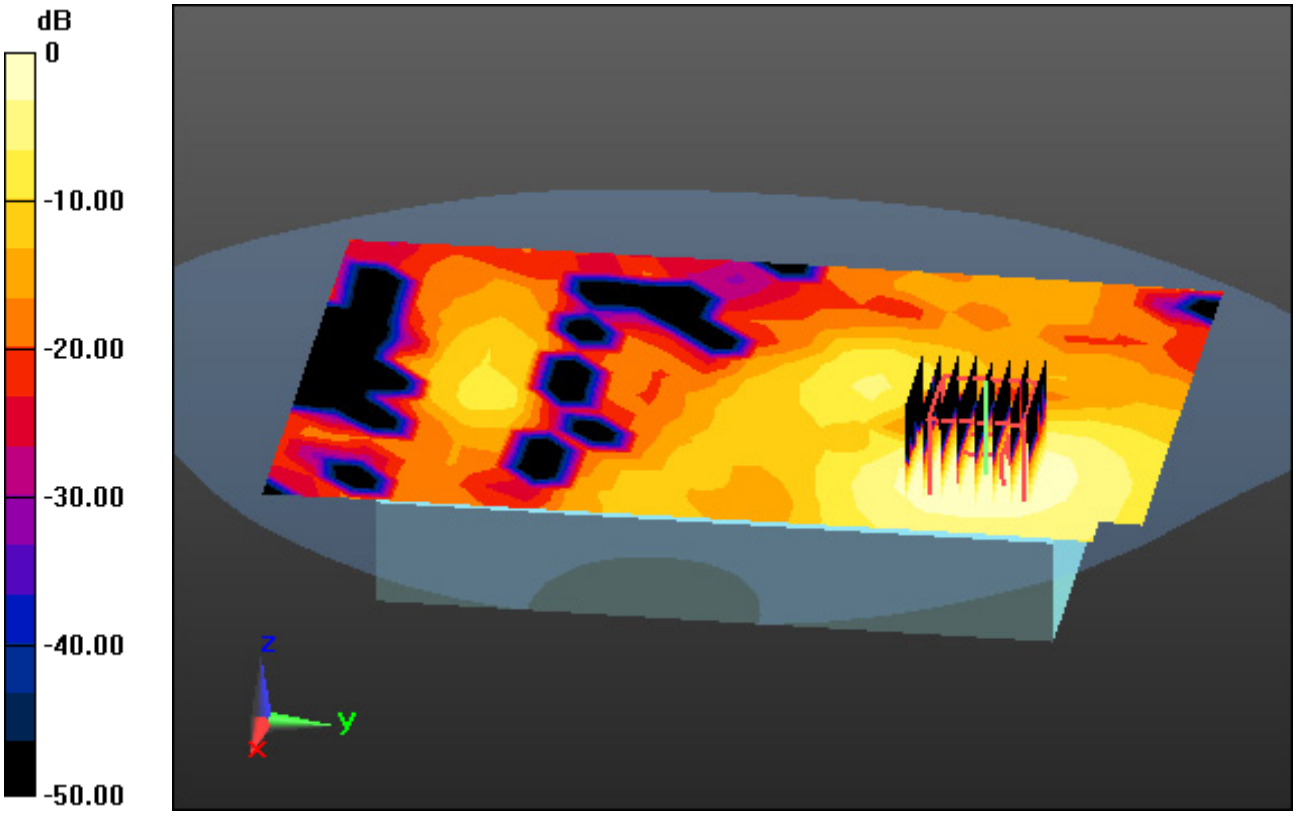
Communication System: UID 0, W-LAN_5500 (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.161 S/m; $\varepsilon_r$ = 34.172; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-22; Ambient Temp: 20.3; Tissue Temp: 20.2

**1.5 cm space from Body, Rear, WLAN(802.11a) Ch. 132, Ant Internal, Ant.1**

**Area Scan (14x21x1):** 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) = 0.375 W/kg
**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.041 W/kg**




0 dB = 0.223 W/kg

**DUT: PM90W1; Type: PDA**

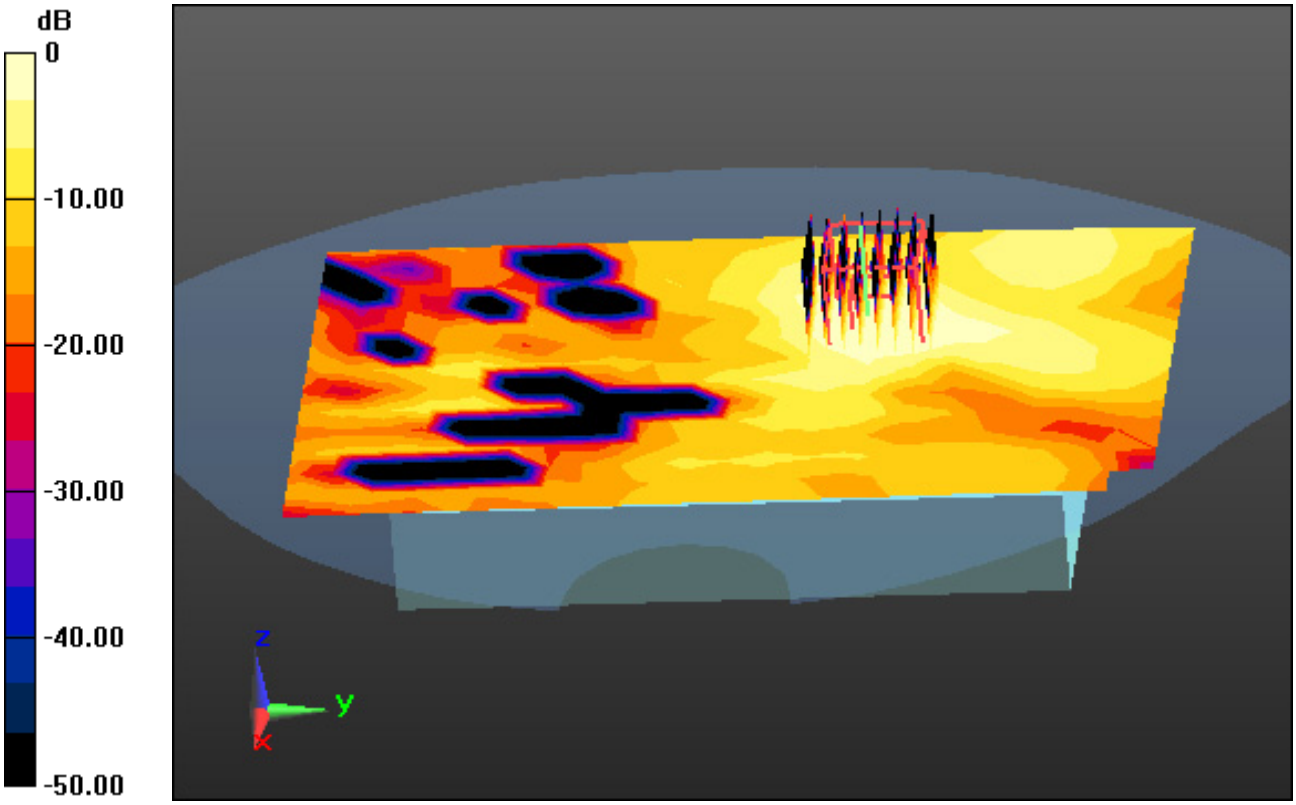
Communication System: UID 0, W-LAN_5500 (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.161 S/m; $\varepsilon_r$ = 34.172; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-22; Ambient Temp: 20.3; Tissue Temp: 20.2

**1.5 cm space from Body, Rear, WLAN(802.11a) Ch. 132, Ant Internal, Ant.2**

**Area Scan (14x21x1):** 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 = 0.06 dB
Peak SAR (extrapolated) = 0.299 W/kg
**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.030 W/kg**




0 dB = 0.170 W/kg

**DUT: PM90W1; Type: PDA**

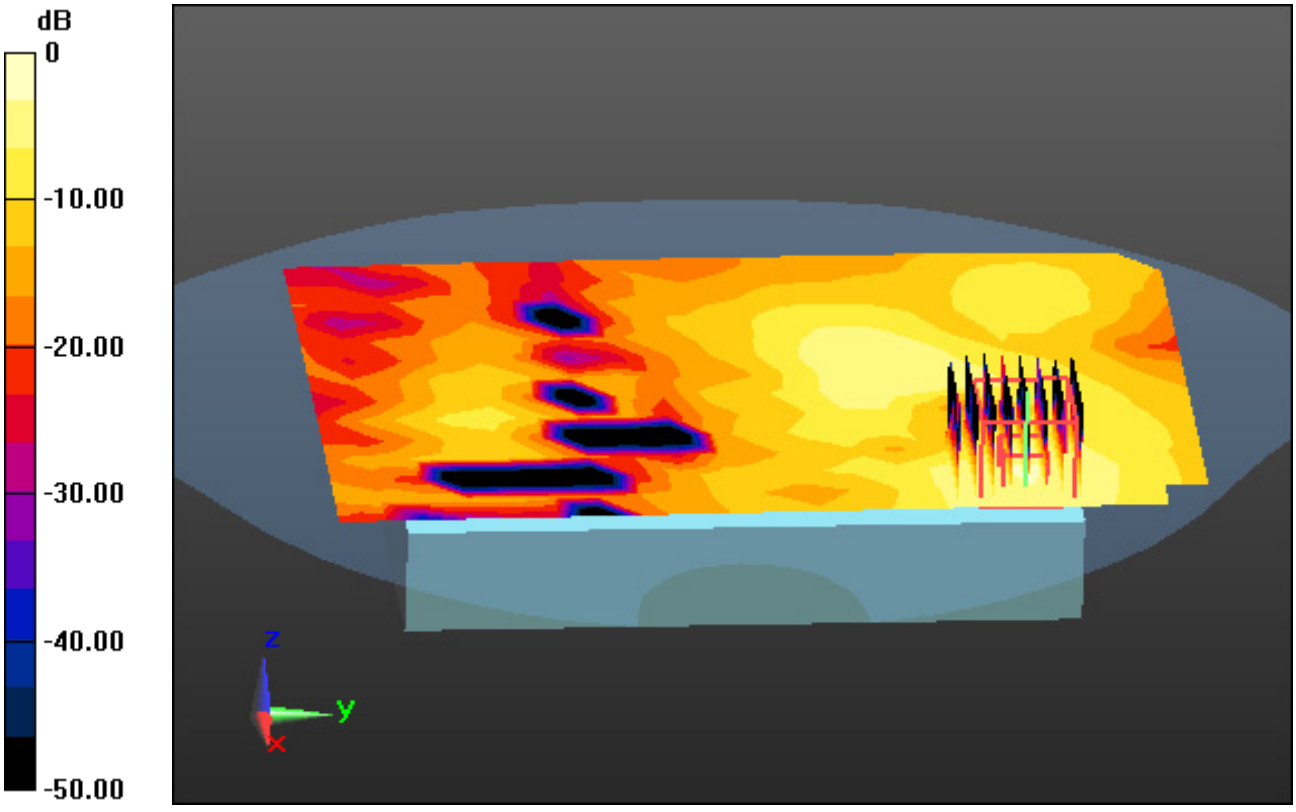
Communication System: UID 0, W-LAN 5.6G&5.8G (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.161 S/m; $\varepsilon_r$ = 34.172; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-22; Ambient Temp: 20.3; Tissue Temp: 20.2

**1.5 cm space from Body, Rear, WLAN(802.11a) Ch. 132, Ant Internal, MIMO**

**Area Scan (14x21x1):** 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 = 0.01 dB
Peak SAR (extrapolated) = 0.419 W/kg
**SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.047 W/kg**




0 dB = 0.500 W/kg

**DUT: PM90W1; Type: PDA**

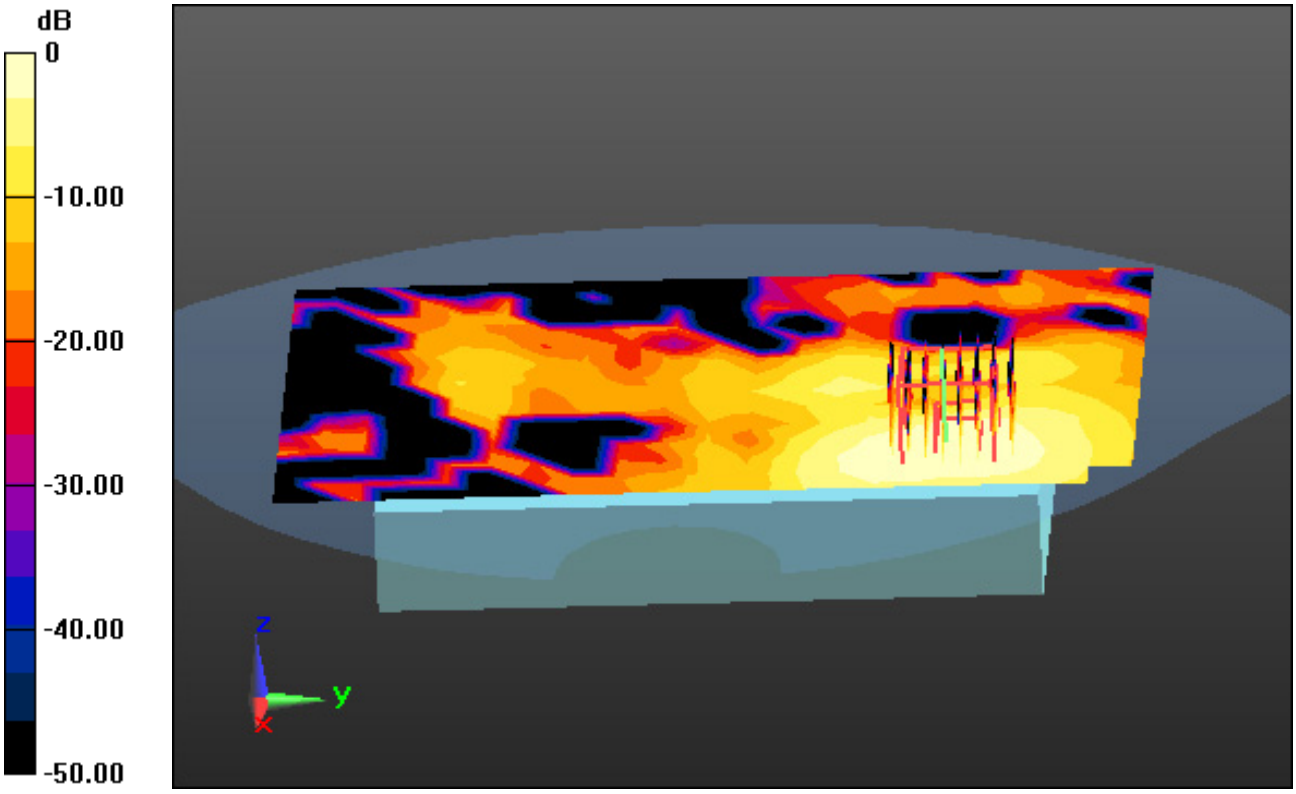
Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.412 S/m; $\varepsilon_r$ = 35.449; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-24; Ambient Temp: 22.4; Tissue Temp: 22.0

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

**Area Scan (14x21x1):** 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) = 0.313 W/kg
**SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.034 W/kg**




0 dB = 0.191 W/kg

**DUT: PM90W1; Type: PDA**

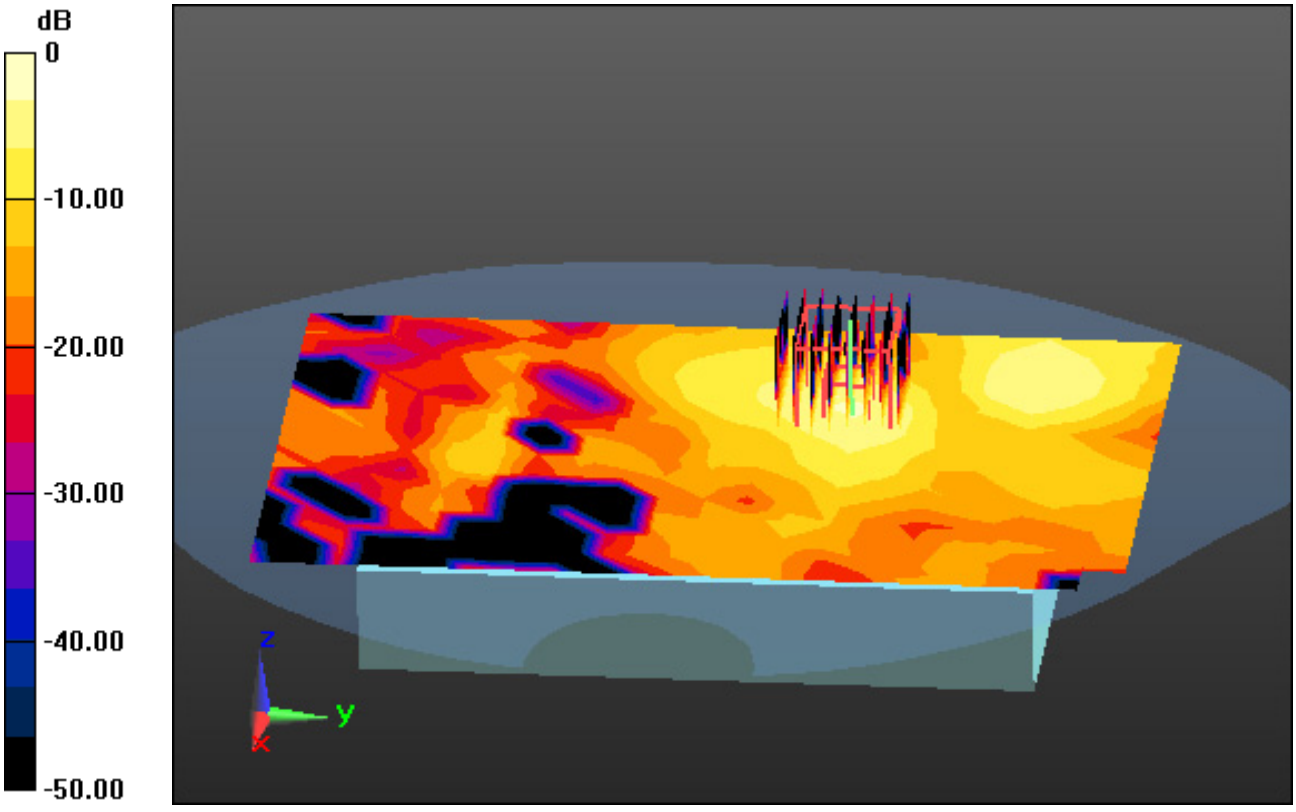
Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.412 S/m; $\varepsilon_r$ = 35.449; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-24; Ambient Temp: 22.4; Tissue Temp: 22.0

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

**Area Scan (14x21x1):** 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 = -0.02 dB
Peak SAR (extrapolated) = 0.212 W/kg
**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.021 W/kg**




0 dB = 0.250 W/kg

**DUT: PM90W1; Type: PDA**

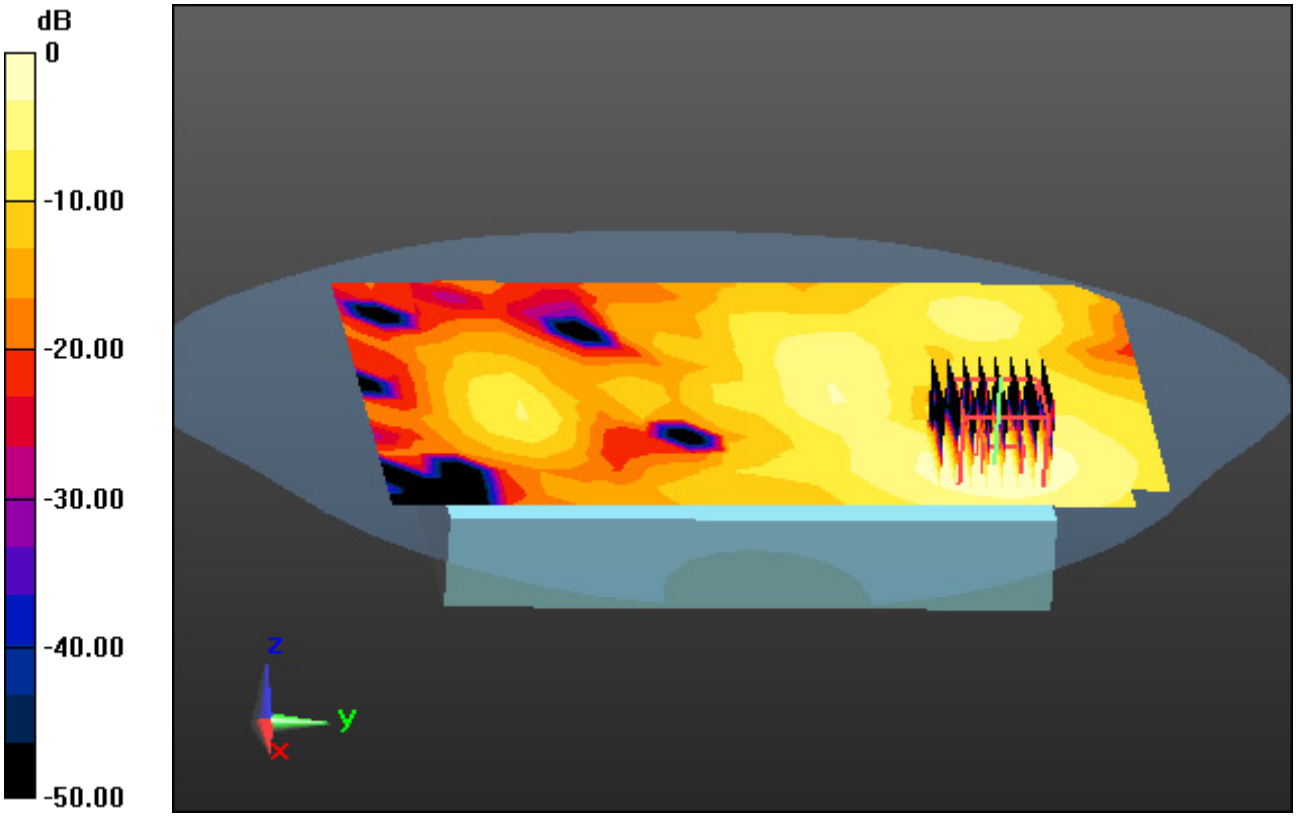
Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.412 S/m; $\varepsilon_r$ = 35.449; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-24; Ambient Temp: 22.4; Tissue Temp: 22.0

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

**Area Scan (14x21x1):** 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) = 0.418 W/kg
**SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.045 W/kg**




0 dB = 0.300 W/kg

**DUT: PM90W1; Type: PDA**

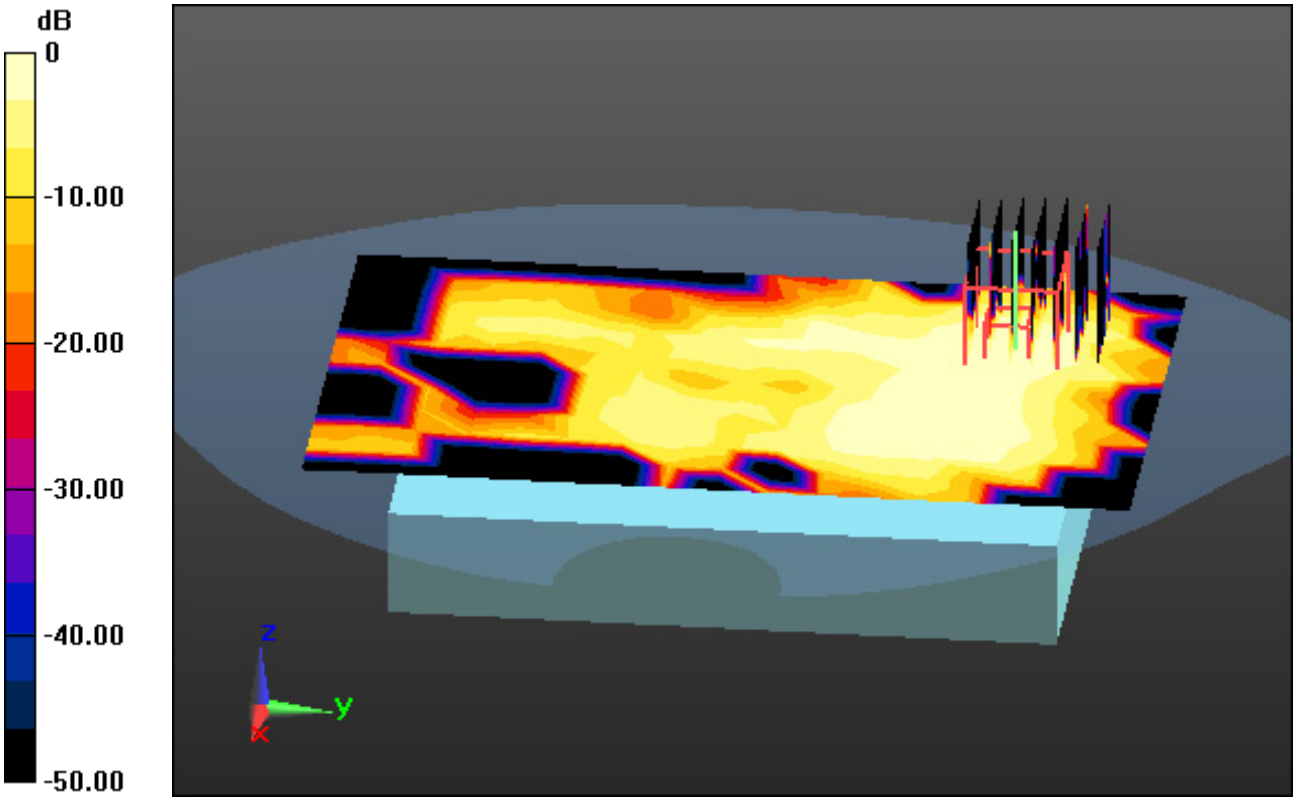
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; $\sigma$ = 1.814 S/m; $\varepsilon_r$ = 39.137; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-15; Ambient Temp: 21.7; Tissue Temp: 21.6

**1.5 cm space from Body, Front, Bluetooth 1Mbps Ch. 39, Ant Internal**

**Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0120 W/kg
**SAR(1 g) = 0.00263 W/kg; SAR(10 g) = 0.000754 W/kg**




0 dB = 0.00609 W/kg

**DUT: PM90W1; Type: PDA**

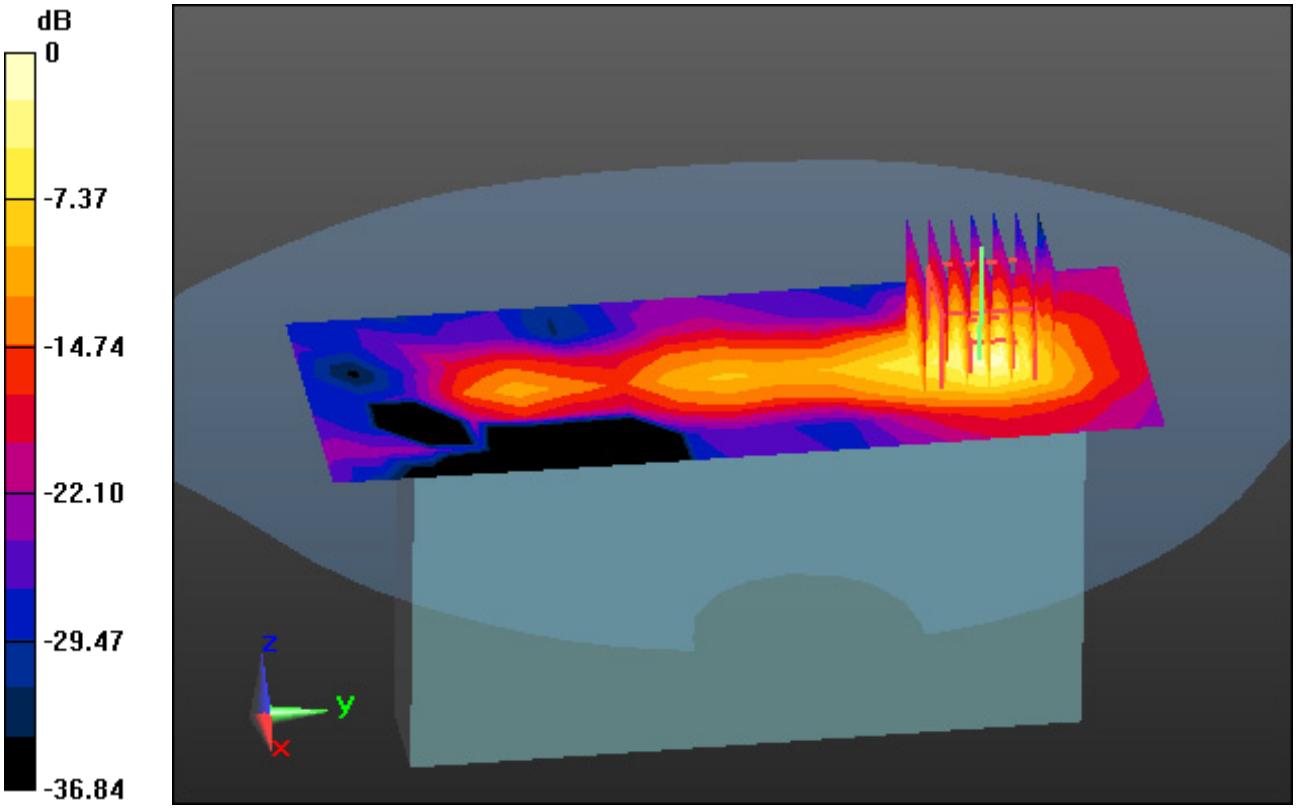
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; $\sigma$ = 1.82 S/m; $\varepsilon_r$ = 38.067; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-16; Ambient Temp: 20.2; Tissue Temp: 20.6

## Touch from Body, Left, WLAN(802.11b) Ch. 11, Ant Internal, Ant.1

**Area Scan (7x17x1):** Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.852 W/kg
**SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.110 W/kg**




0 dB = 0.537 W/kg

**DUT: PM90W1; Type: PDA**

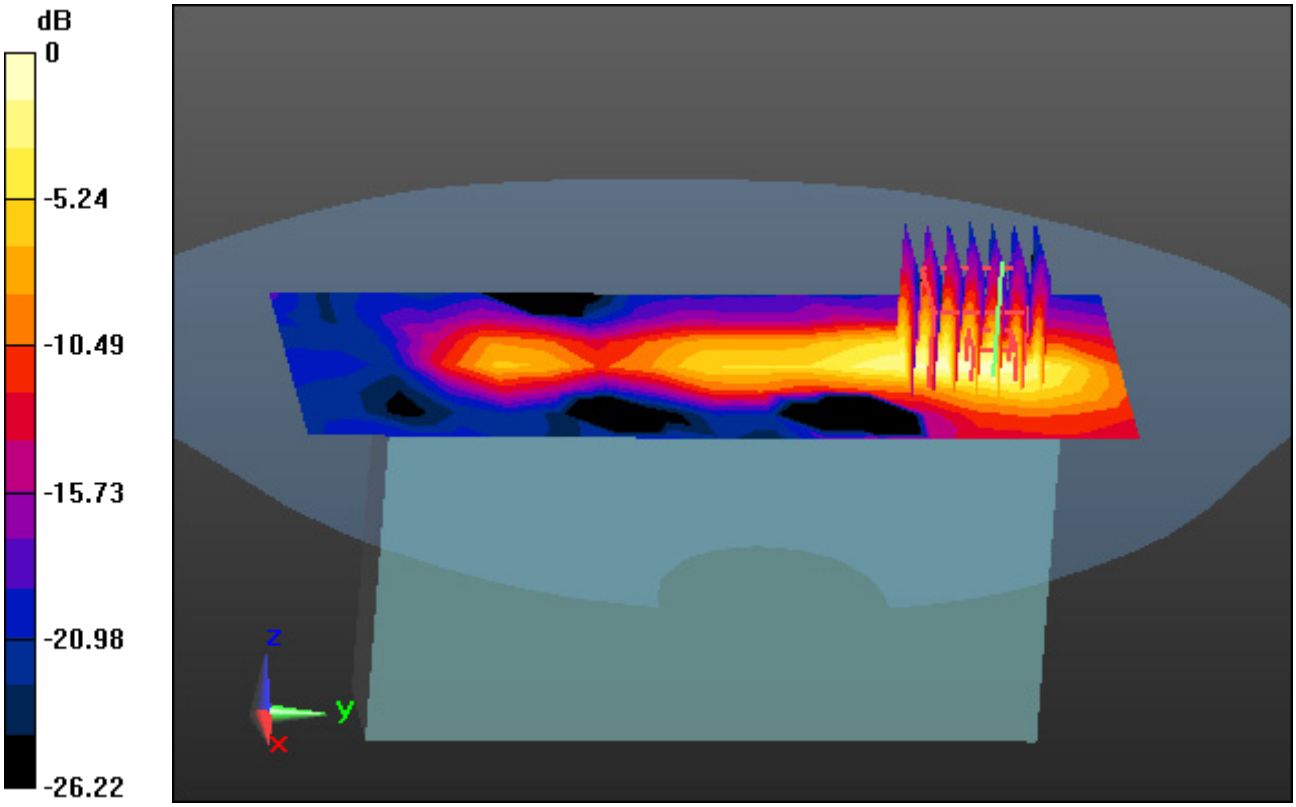
Communication System: UID 0, W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; $\sigma$ = 1.763 S/m; $\varepsilon_r$ = 38.246; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-16; Ambient Temp: 20.2; Tissue Temp: 20.6

**Touch from Body, Right, WLAN(802.11b) Ch. 1, Ant Internal, Ant.2**

**Area Scan (7x17x1):** 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) = 0.165 W/kg
**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.031 W/kg**




0 dB = 0.112 W/kg

**DUT: PM90W1; Type: PDA**

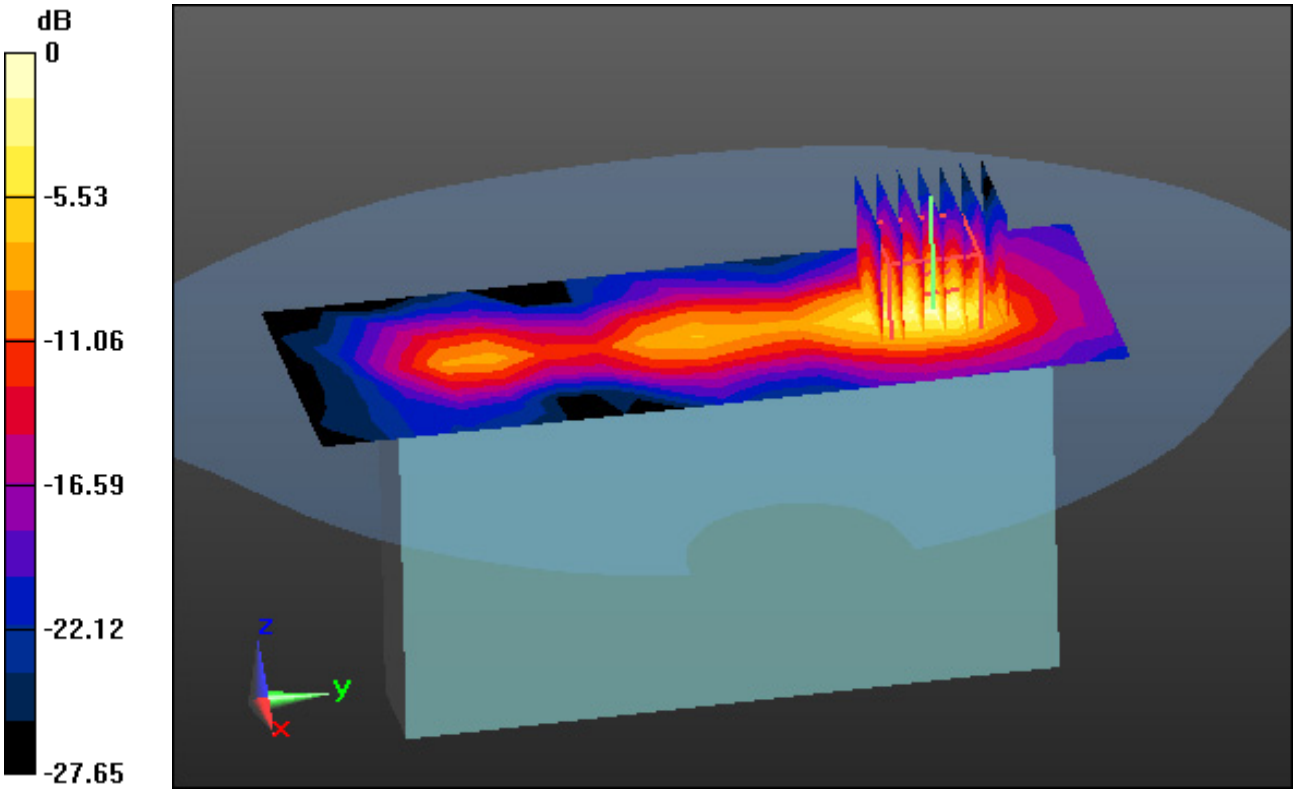
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; $\sigma$ = 1.82 S/m; $\varepsilon_r$ = 38.067; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-16; Ambient Temp: 20.2; Tissue Temp: 20.6

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

**Area Scan (7x17x1):** 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) = 0.652 W/kg
**SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.094 W/kg**




0 dB = 0.428 W/kg

**DUT: PM90W1; Type: PDA**

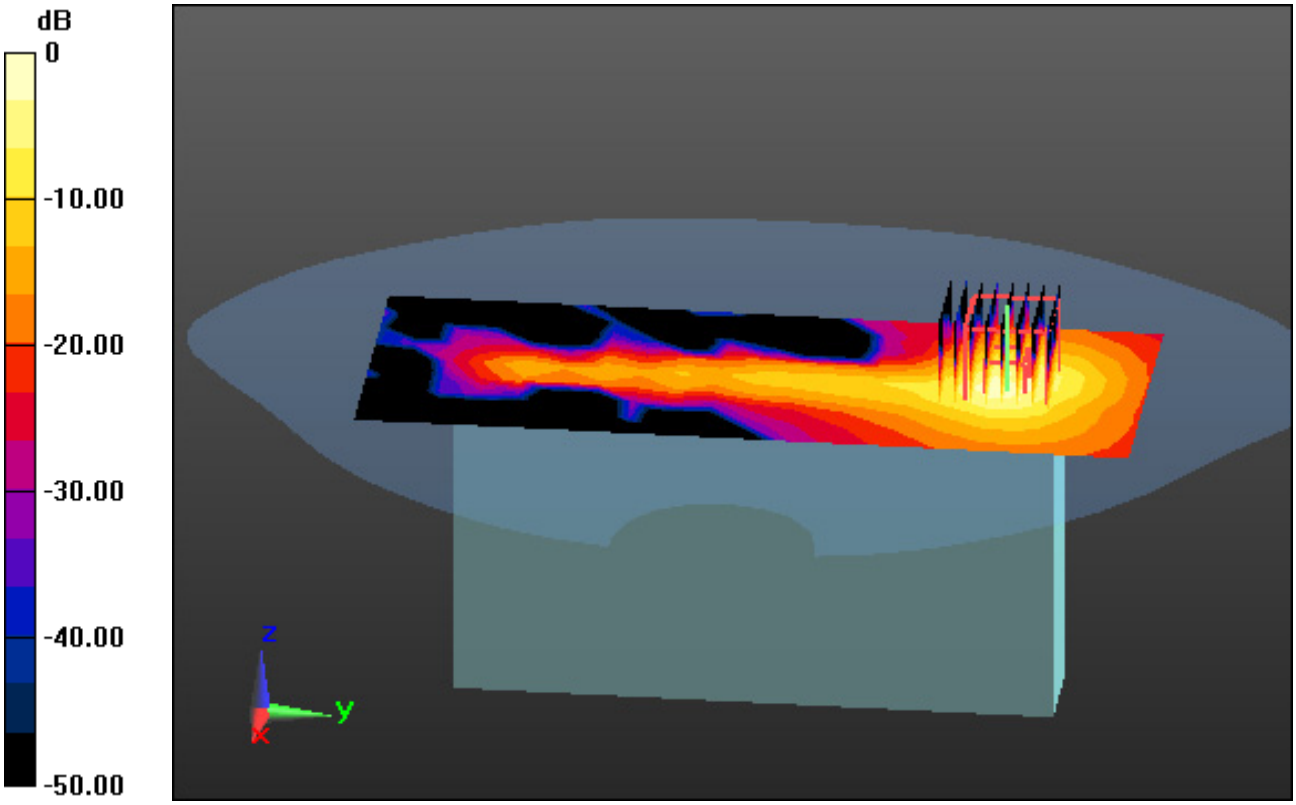
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.673 S/m; $\varepsilon_r$ = 35.272; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-18; Ambient Temp: 23.1; Tissue Temp: 22.9

## Touch from Body, Left, WLAN(802.11a) Ch. 52, Ant Internal, Ant.1

**Area Scan (9x21x1):** 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 = 0.09 dB
Peak SAR (extrapolated) = 4.02 W/kg
**SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.287 W/kg**




0 dB = 2.28 W/kg

**DUT: PM90W1; Type: PDA**

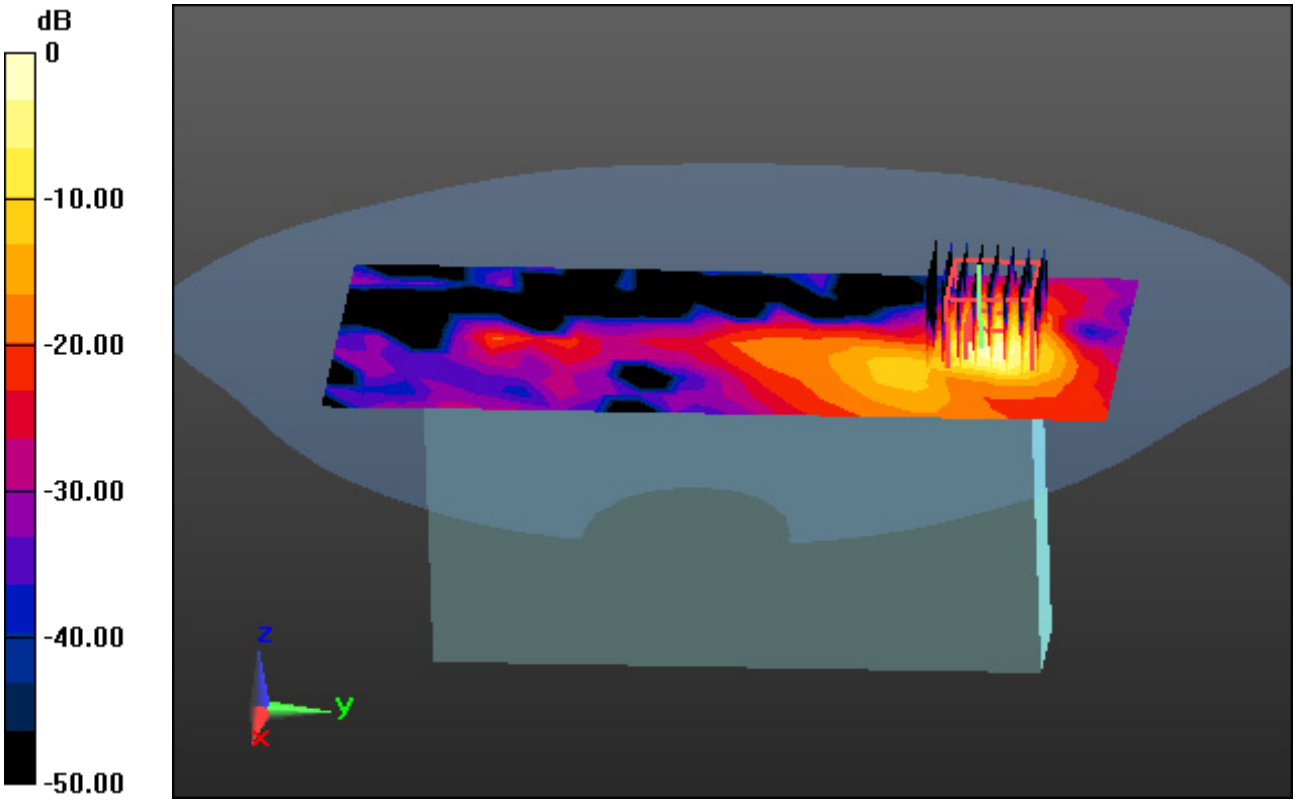
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.673 S/m; $\varepsilon_r$ = 35.272; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-18; Ambient Temp: 23.1; Tissue Temp: 22.9

## Touch from Body, Right, WLAN(802.11a) Ch. 52, Ant Internal, Ant.2

**Area Scan (9x21x1):** 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) = 5.12 W/kg
**SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.308 W/kg**




0 dB = 3.08 W/kg

**DUT: PM90W1; Type: PDA**

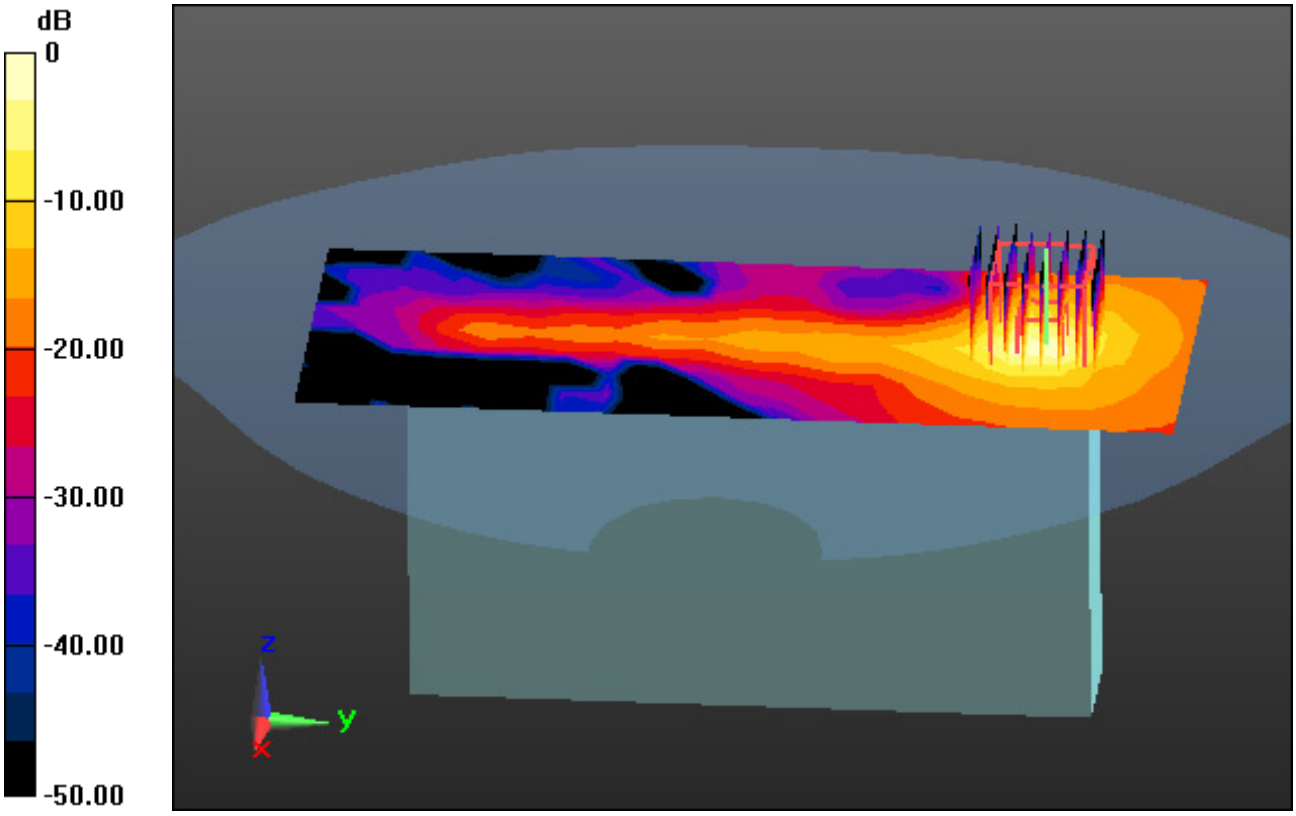
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; $\sigma$ = 4.673 S/m; $\varepsilon_r$ = 35.272; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-18; Ambient Temp: 23.1; Tissue Temp: 22.9

## Touch from Body, Left, WLAN(802.11a) Ch. 52, Ant Internal, MIMO

**Area Scan (9x21x1):** 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) = 8.36 W/kg
**SAR(1 g) = 1.84 W/kg; SAR(10 g) = 0.481 W/kg**




0 dB = 4.84 W/kg

**DUT: PM90W1; Type: PDA**

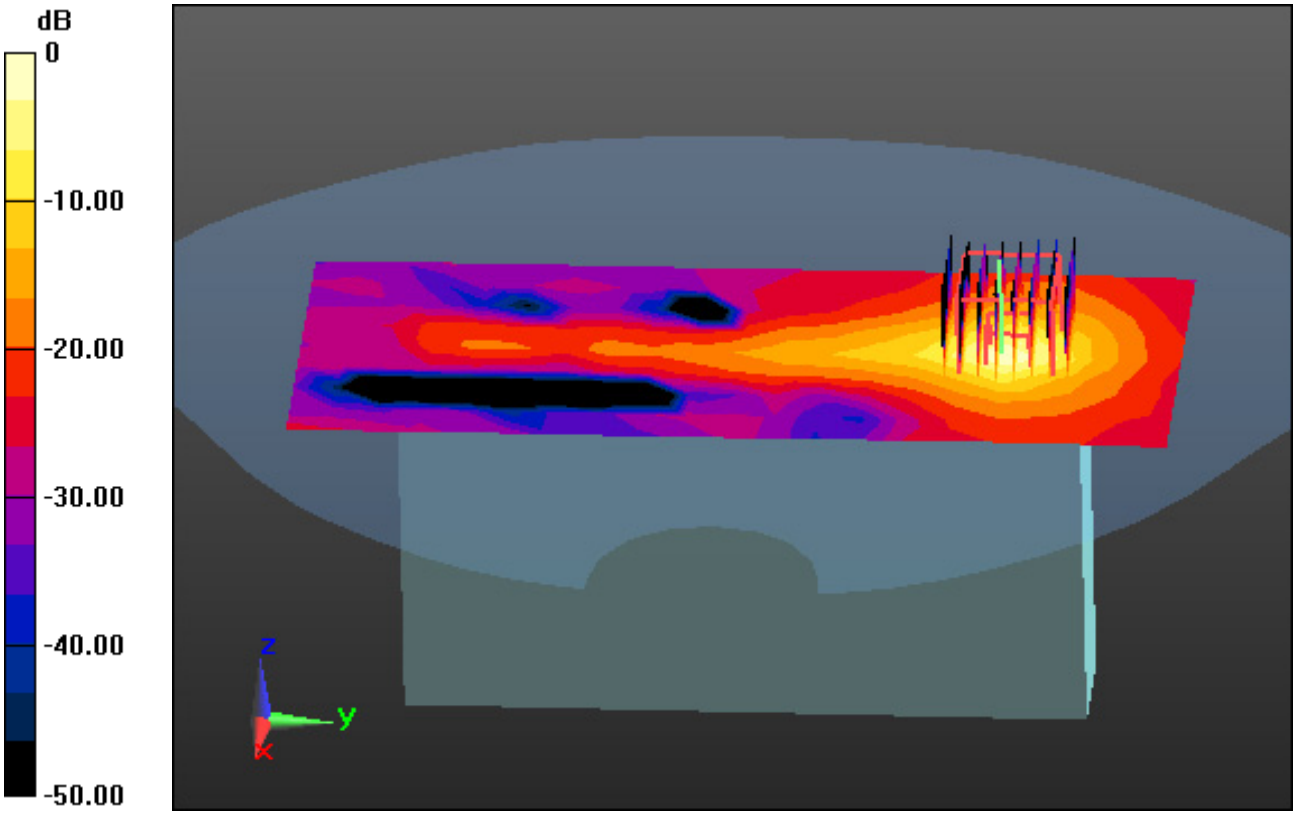
Communication System: UID 0, W-LAN_5500 (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.161 S/m; $\varepsilon_r$ = 34.172; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-22; Ambient Temp: 20.3; Tissue Temp: 20.2

## Touch from Body, Left, WLAN(802.11a) Ch. 132, Ant Internal, Ant.1

**Area Scan (9x21x1):** 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 = -0.09 dB
Peak SAR (extrapolated) = 11.5 W/kg
**SAR(1 g) = 2.17 W/kg; SAR(10 g) = 0.533 W/kg**




0 dB = 5.63 W/kg

**DUT: PM90W1; Type: PDA**

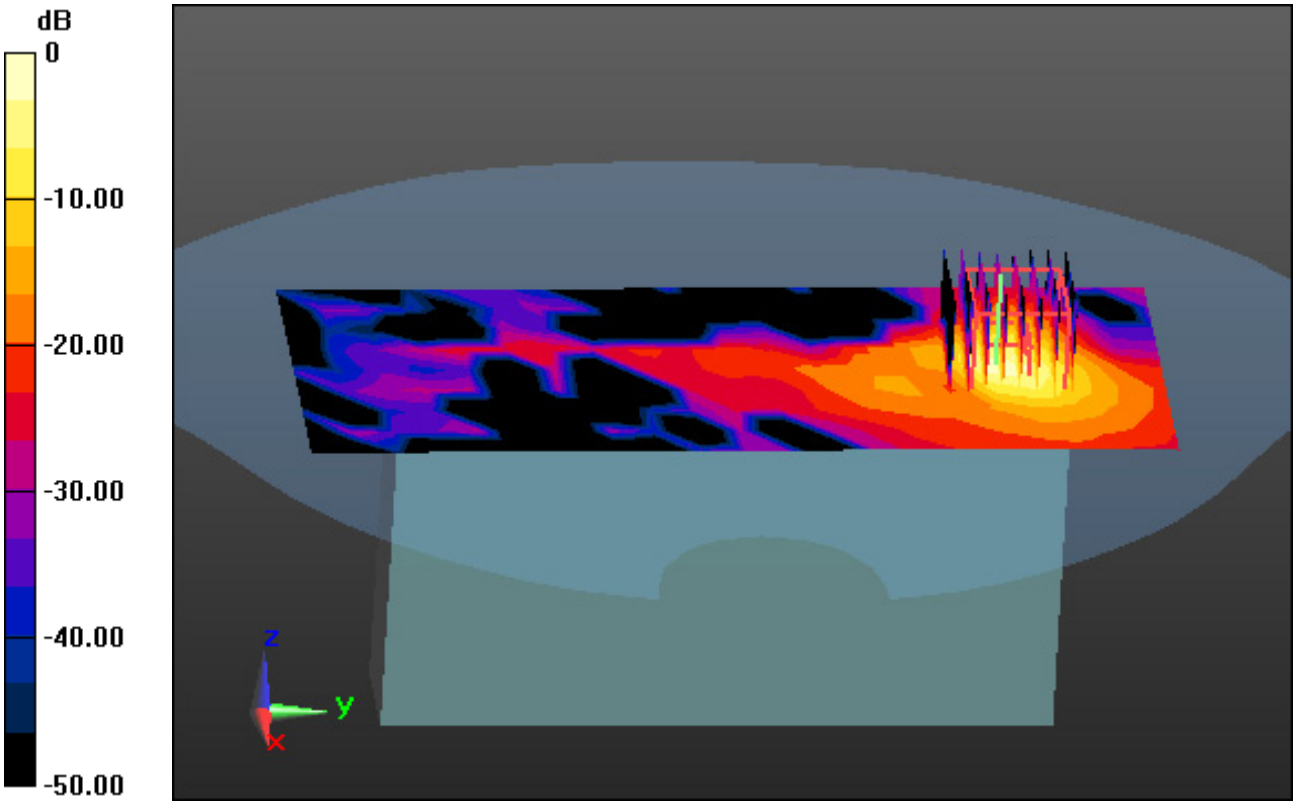
Communication System: UID 0, W-LAN_5500 (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.161 S/m; $\varepsilon_r$ = 34.172; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-22; Ambient Temp: 20.3; Tissue Temp: 20.2

## Touch from Body, Right, WLAN(802.11a) Ch. 132, Ant Internal, Ant.2

**Area Scan (9x21x1):** 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 = 0.05 dB
Peak SAR (extrapolated) = 5.82 W/kg
**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.301 W/kg**




0 dB = 3.27 W/kg

**DUT: PM90W1; Type: PDA**

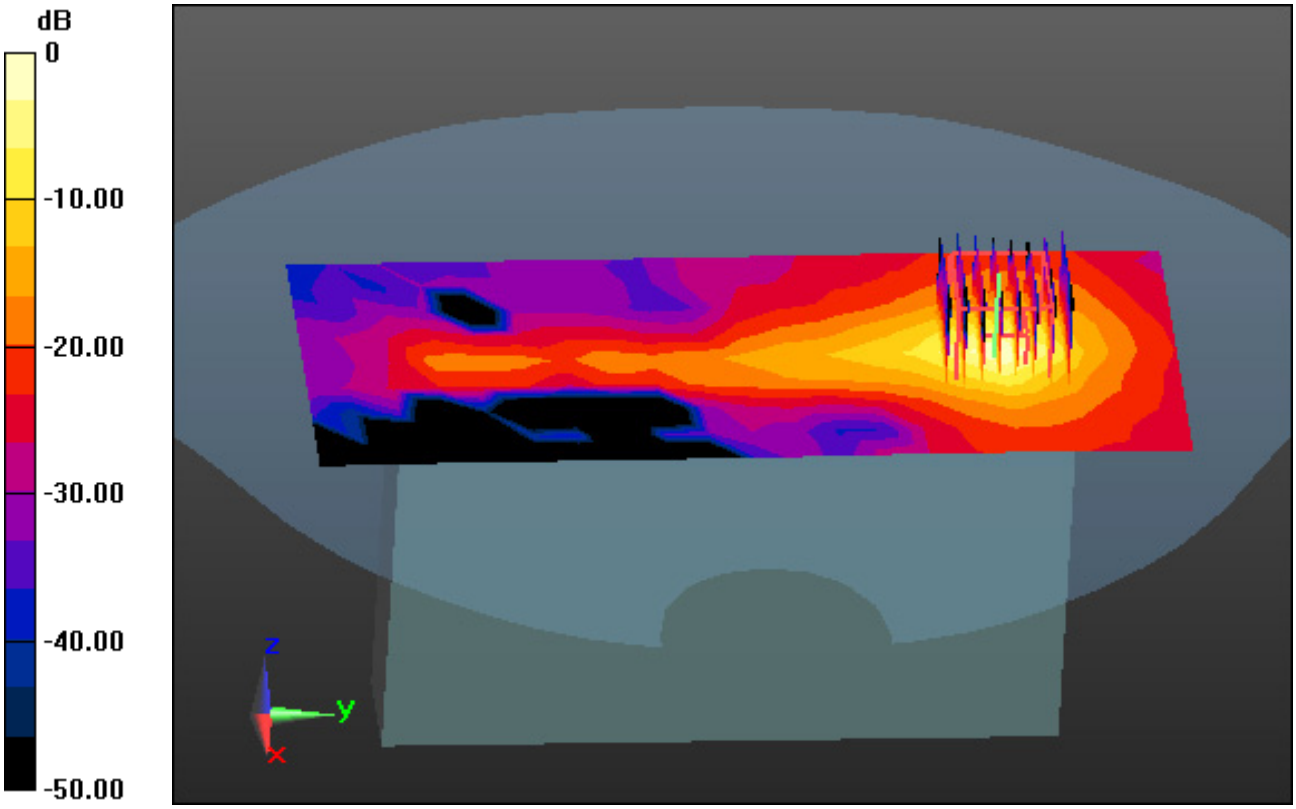
Communication System: UID 0, W-LAN 5.6G&5.8G (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; $\sigma$ = 5.161 S/m; $\varepsilon_r$ = 34.172; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-22; Ambient Temp: 20.3; Tissue Temp: 20.2

## Touch from Body, Left, WLAN(802.11a) Ch. 132, Ant Internal, MIMO

**Area Scan (9x21x1):** 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) = 10.7 W/kg
**SAR(1 g) = 2.07 W/kg; SAR(10 g) = 0.514 W/kg**




0 dB = 5.47 W/kg

**DUT: PM90W1; Type: PDA**

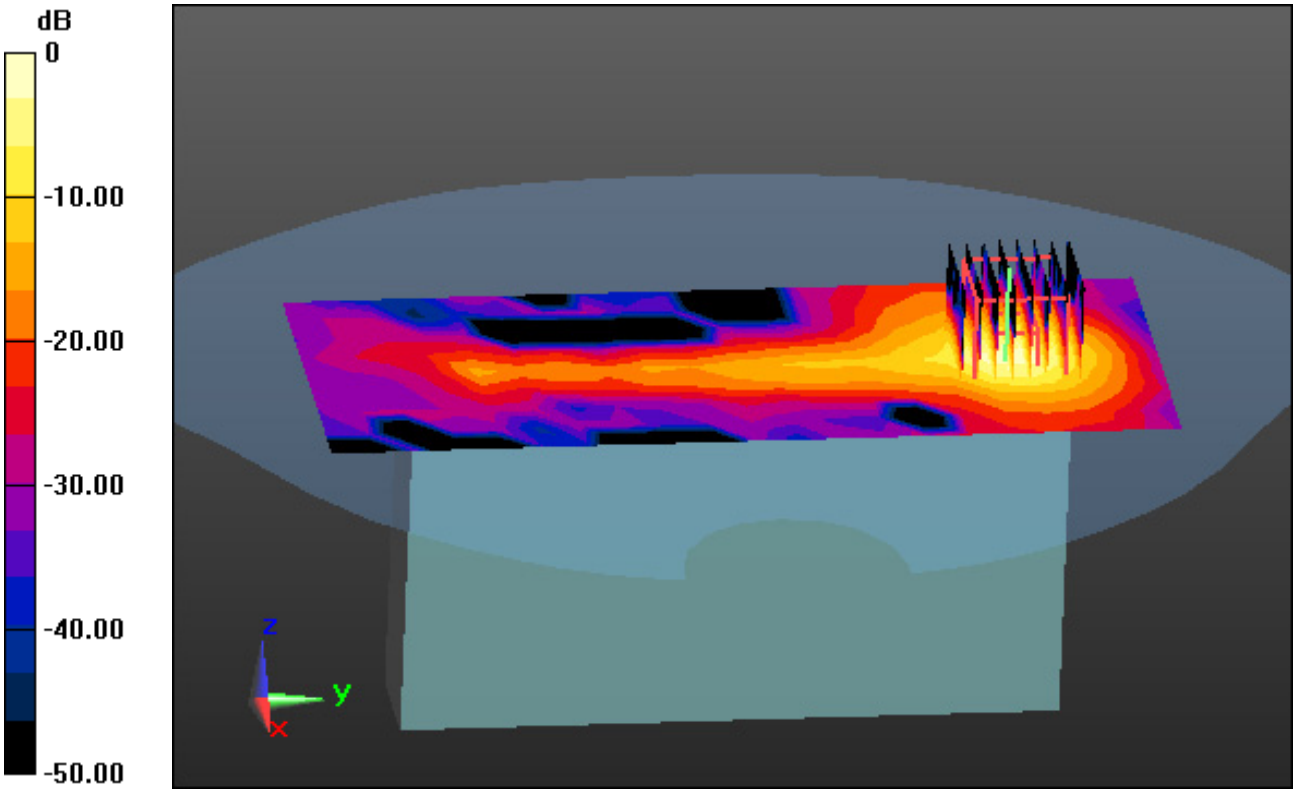
Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.412 S/m; $\varepsilon_r$ = 35.449; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-24; Ambient Temp: 22.4; Tissue Temp: 22.0

## Touch from Body, Left, WLAN(802.11a) Ch. 165, Ant Internal, Ant.1

**Area Scan (9x21x1):** 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) = 6.59 W/kg
**SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.347 W/kg**




0 dB = 3.40 W/kg

**DUT: PM90W1; Type: PDA**

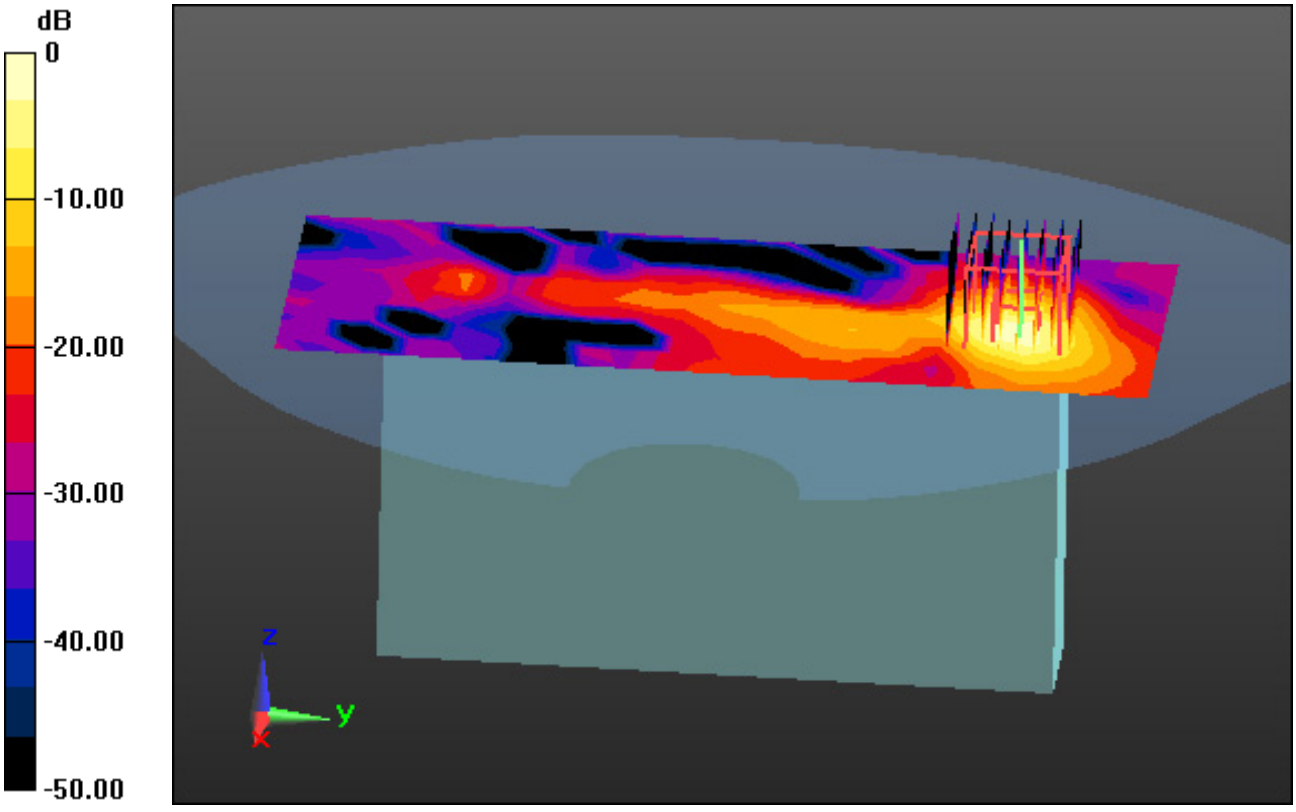
Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.412 S/m; $\varepsilon_r$ = 35.449; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-24; Ambient Temp: 22.4; Tissue Temp: 22.0

## Touch from Body, Right, WLAN(802.11a) Ch. 165, Ant Internal, Ant.2

**Area Scan (9x21x1):** 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) = 4.34 W/kg
**SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.250 W/kg**




0 dB = 2.37 W/kg

**DUT: PM90W1; Type: PDA**

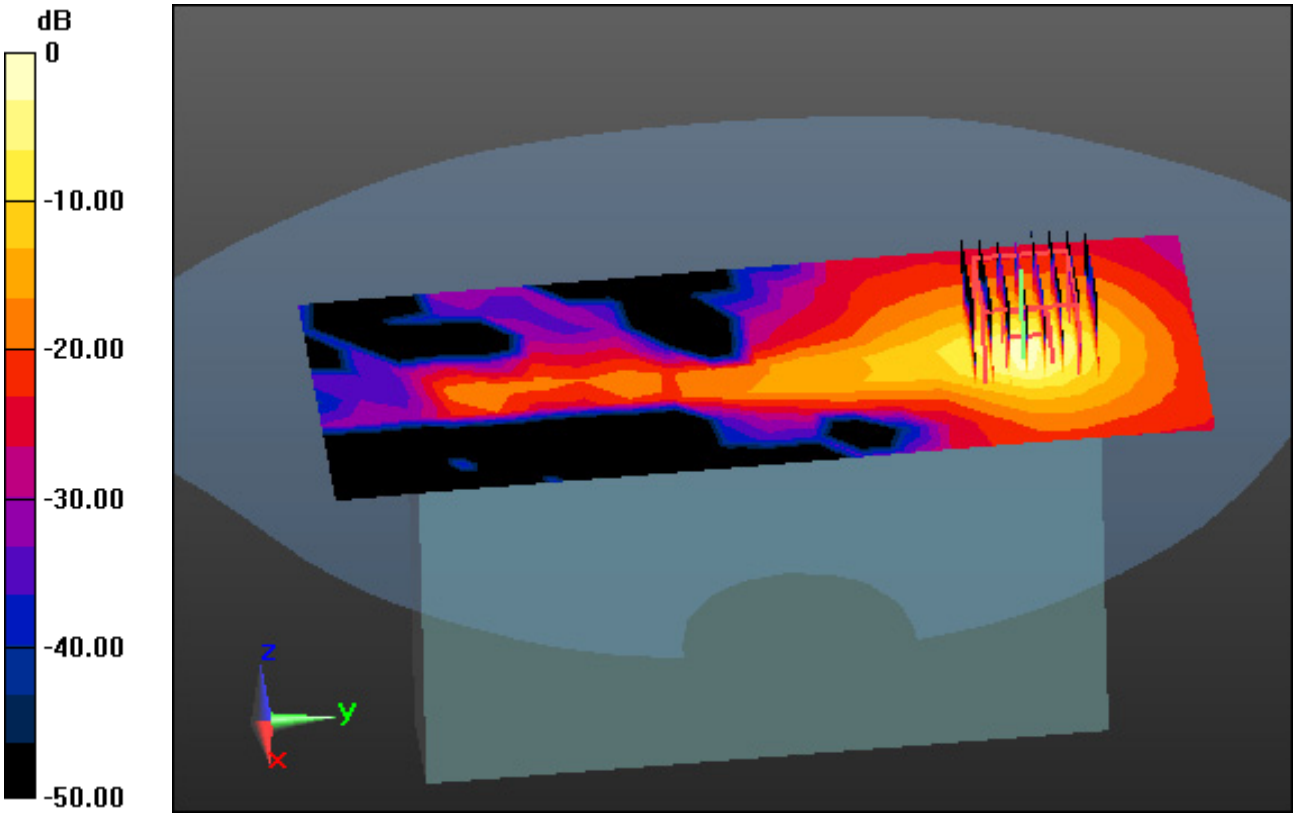
Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; $\sigma$ = 5.412 S/m; $\varepsilon_r$ = 35.449; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-24; Ambient Temp: 22.4; Tissue Temp: 22.0

## Touch from Body, Left, WLAN(802.11a) Ch. 165, Ant Internal, MIMO

**Area Scan (9x21x1):** 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) = 7.21 W/kg
**SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.357 W/kg**




0 dB = 3.79 W/kg

**DUT: PM90W1; Type: PDA**

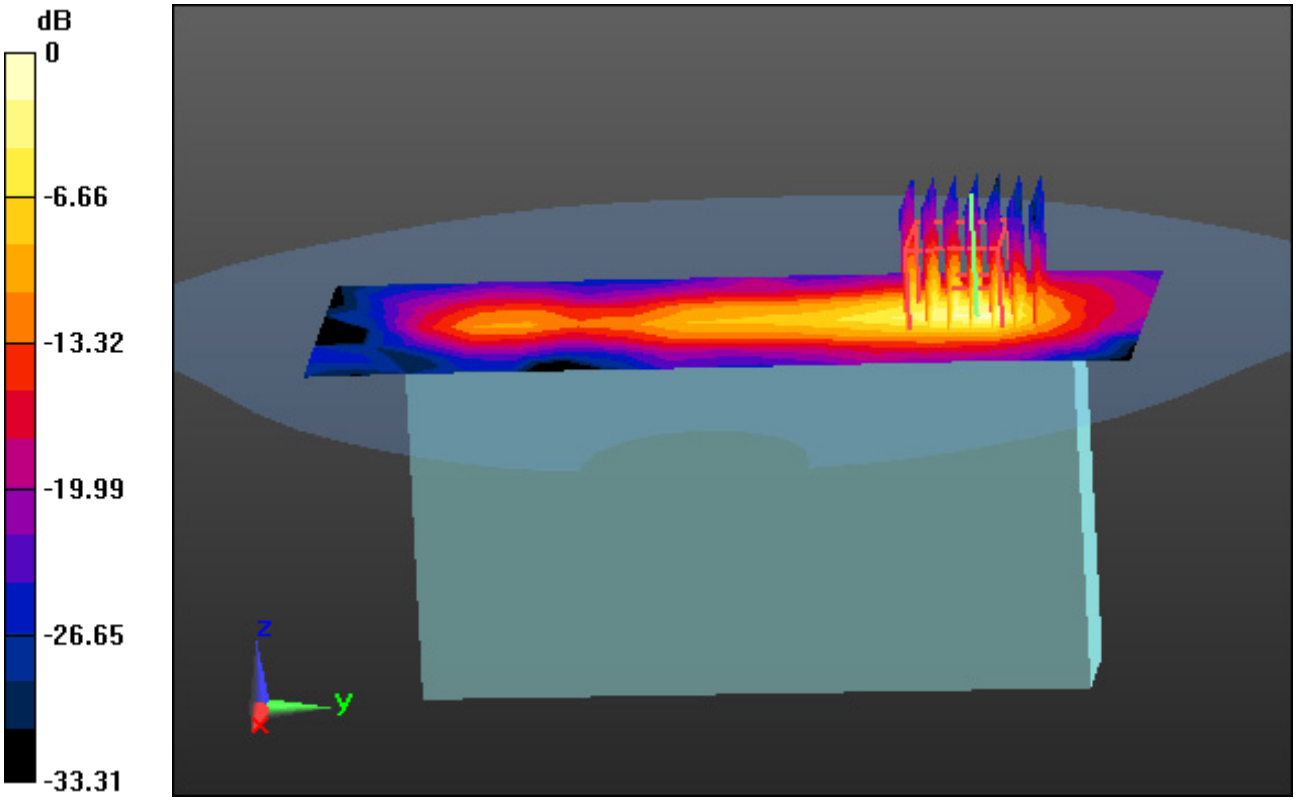
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; $\sigma$ = 1.814 S/m; $\varepsilon_r$ = 39.137; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

**DASY5 Configuration:**
Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-10-15; Ambient Temp: 21.7; Tissue Temp: 21.6

## Touch from Body, Left, Bluetooth 1Mbps Ch. 39, Ant Internal

**Area Scan (7x17x1):** 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) = 0.660 W/kg
**SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.070 W/kg**




0 dB = 0.368 W/kg