

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; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.851$ S/m; $\epsilon_r = 37.858$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(7.69, 7.69, 7.69); Calibrated: 7/26/2021 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: 2022-02-21; Ambient Temp: 21.0; Tissue Temp: 20.9

2450 MHz System Verification (100 mW)

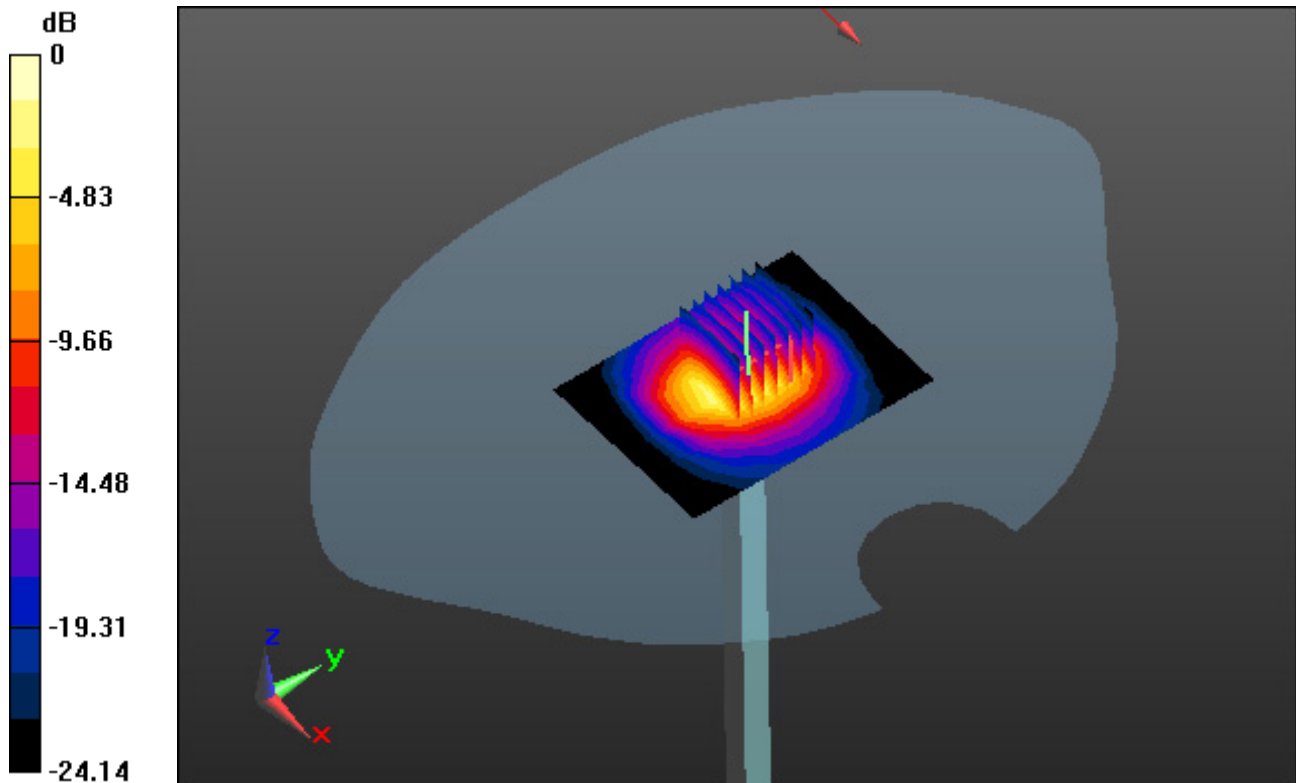
Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.51 W/kg



0 dB = 9.74 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: $f = 5300 \text{ MHz}$; $\sigma = 4.913 \text{ S/m}$; $\epsilon_r = 36.42$; $\rho = 1000 \text{ kg/m}^3$
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: 2022-02-22; Ambient Temp: 21.3; Tissue Temp: 21.2

5300 MHz System Verification (100 mW)

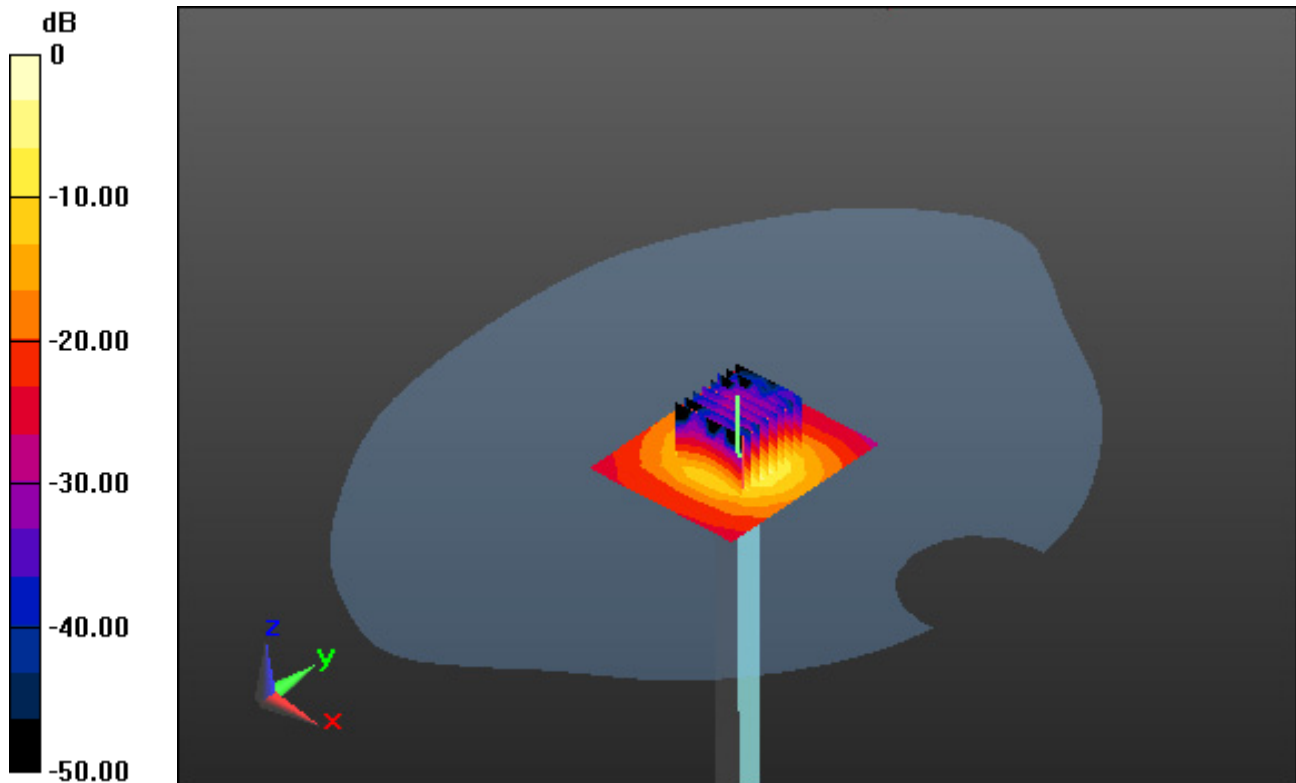
Area Scan (7x8x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = -0.06 dB

Peak SAR (extrapolated) = 37.3 W/kg

SAR(1 g) = 8.71 W/kg; SAR(10 g) = 2.47 W/kg



0 dB = 18.1 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; $\sigma = 5.24$ S/m; $\epsilon_r = 35.484$; $\rho = 1000$ kg/m³
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: 2022-02-23; Ambient Temp: 21.2; Tissue Temp: 21.1

5600 MHz System Verification (100 mW)

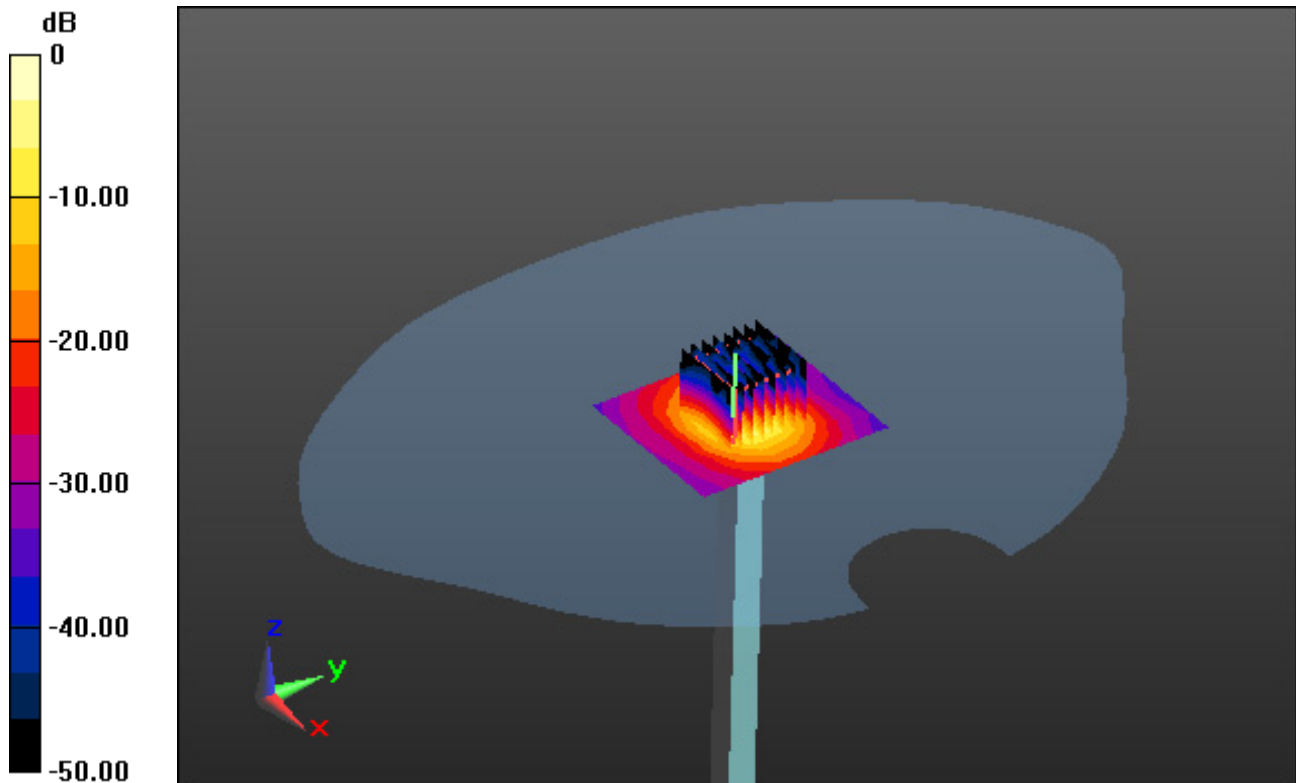
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 31.5 W/kg

SAR(1 g) = 8.49 W/kg; SAR(10 g) = 2.34 W/kg



0 dB = 19.0 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; $\sigma = 5.416$ S/m; $\epsilon_r = 34.594$; $\rho = 1000$ kg/m³
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: 2022-02-24; Ambient Temp: 21.4; Tissue Temp: 21.3

5800 MHz System Verification (100 mW)

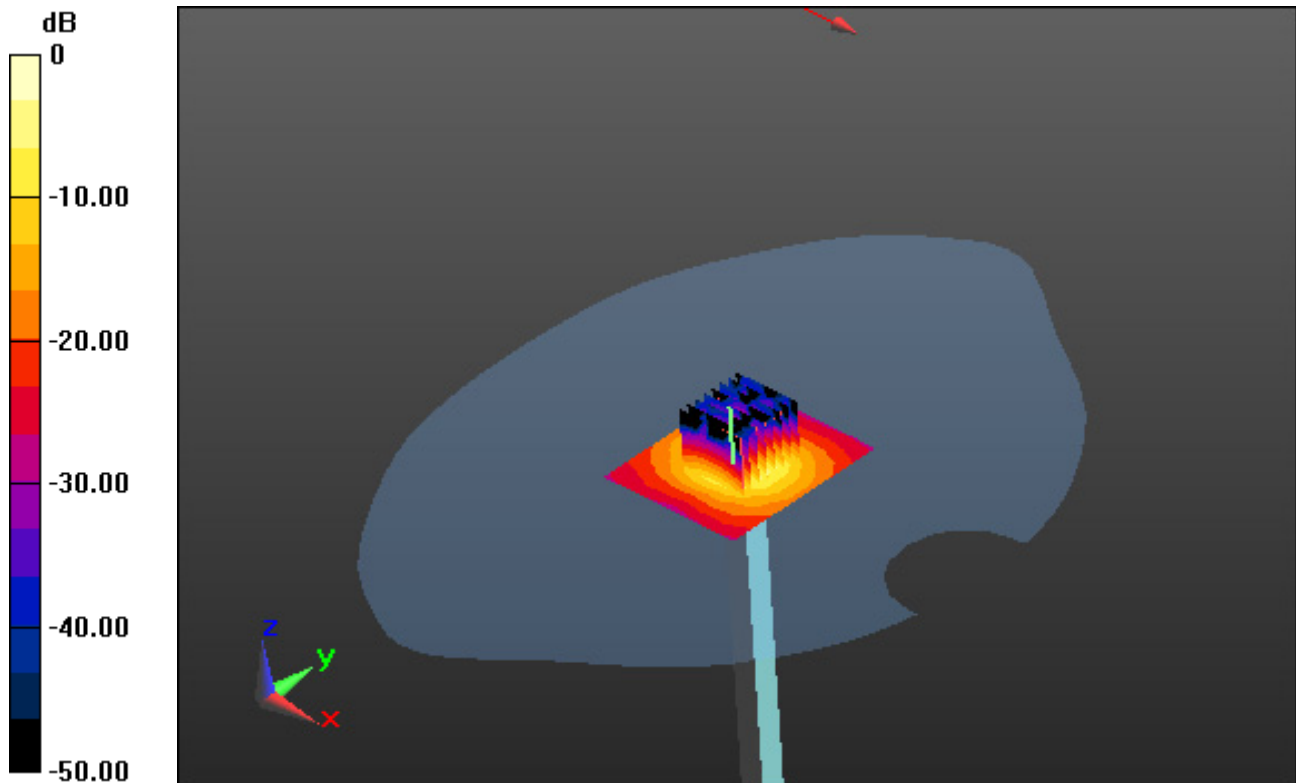
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 35.8 W/kg

SAR(1 g) = 8.63 W/kg; SAR(10 g) = 2.45 W/kg



0 dB = 19.6 W/kg

DT&C Co., Ltd.

DUT: LK-P30IIW3; Type: Mobile Printer

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

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.863 \text{ S/m}$; $\epsilon_r = 37.819$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(7.69, 7.69, 7.69); Calibrated: 7/26/2021 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: 2022-02-21; Ambient Temp: 21.0; Tissue Temp: 20.9

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

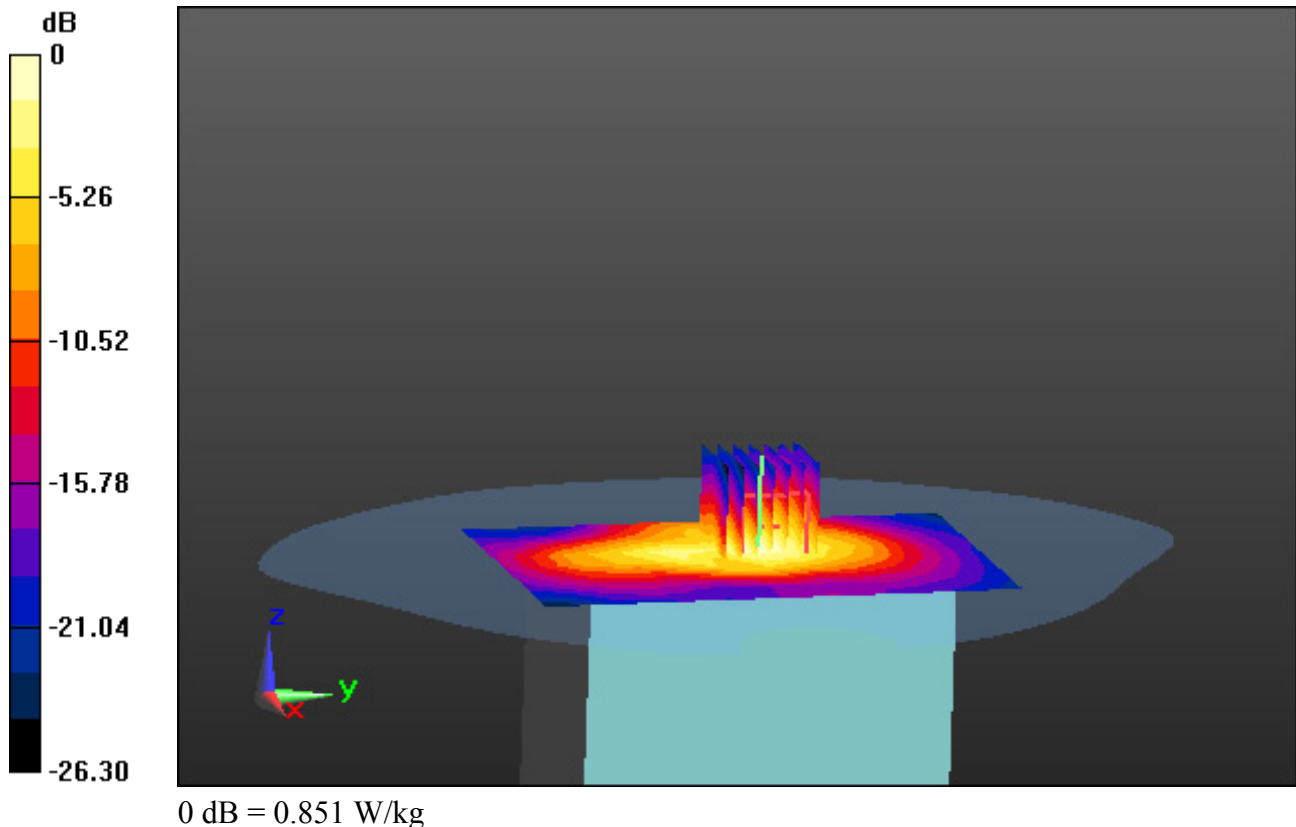
Area Scan (9x14x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.262 W/kg



DT&C Co., Ltd.

DUT: LK-P30IIW3; Type: Mobile Printer

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

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.894$ S/m; $\epsilon_r = 36.492$; $\rho = 1000$ kg/m³

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: 2022-02-22; Ambient Temp: 21.3; Tissue Temp: 21.2

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

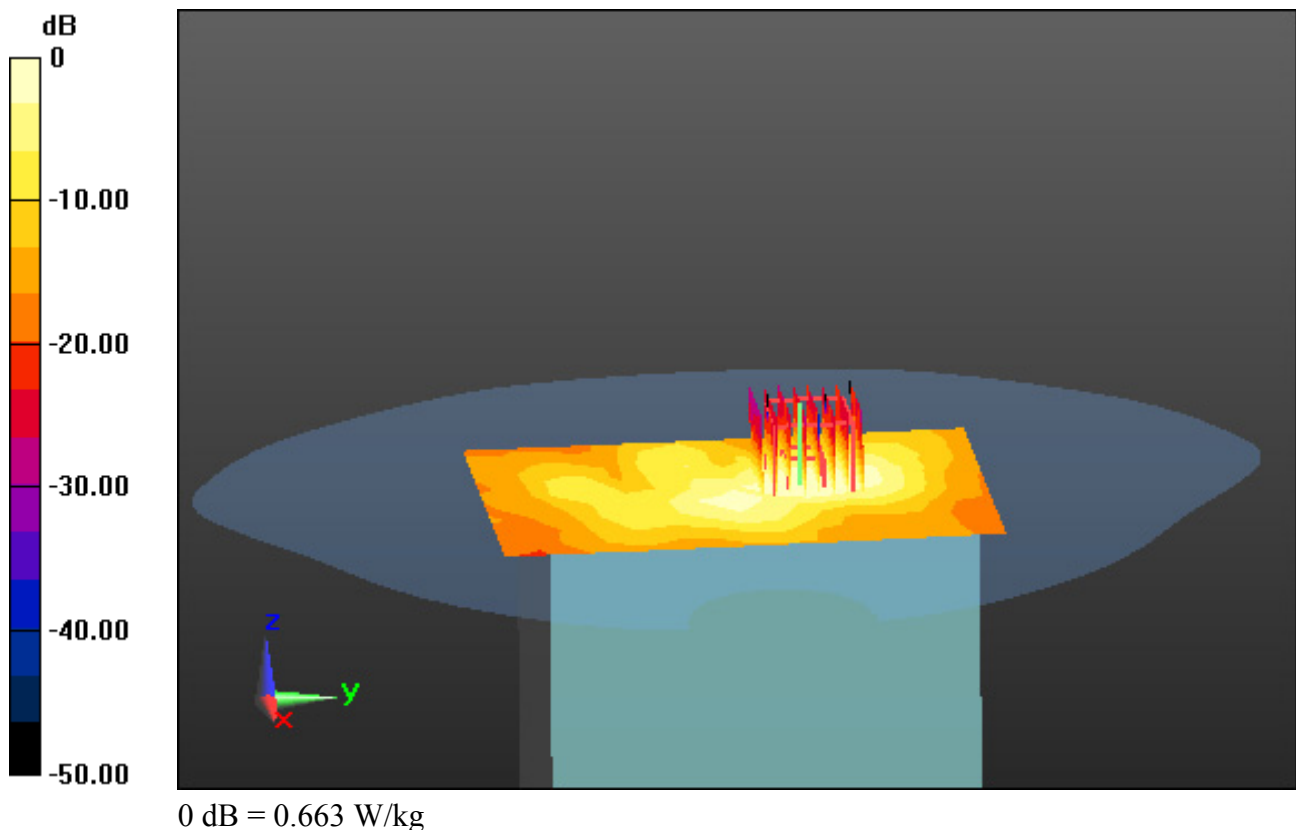
Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.113 W/kg



DT&C Co., Ltd.

DUT: LK-P30IIW3; Type: Mobile Printer

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.24$ S/m; $\epsilon_r = 35.484$; $\rho = 1000$ kg/m³

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: 2022-02-23; Ambient Temp: 21.2; Tissue Temp: 21.1

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

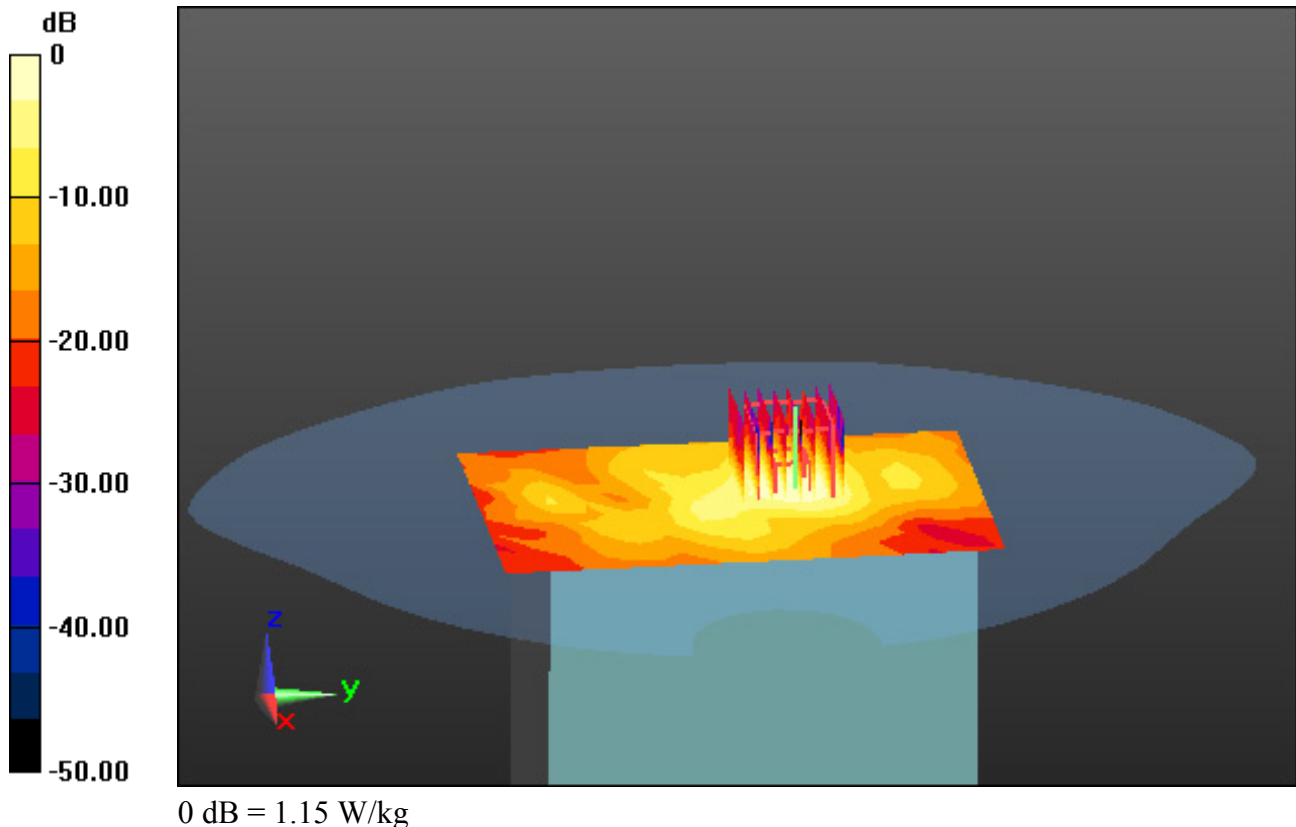
Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.191 W/kg



DT&C Co., Ltd.

DUT: LK-P30IIW3; Type: Mobile Printer

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

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.352 \text{ S/m}$; $\epsilon_r = 34.72$; $\rho = 1000 \text{ kg/m}^3$

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: 2022-02-24; Ambient Temp: 21.4; Tissue Temp: 21.3

Touch from Body, Bottom, 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 = -0.11 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.164 W/kg

