

SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: SN726

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.837$ S/m; $\epsilon_r = 39.698$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.07, 8.07, 8.07) @ 2450 MHz; Calibrated: 10/19/2021 Electronics: DAE4
Sn1391

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: ELI v6.0; Type: QDOVA002AA; Serial: 1166

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-01; Ambient Temp: 21.4; Tissue Temp: 21.0

2450 MHz System Verification (100 mW)

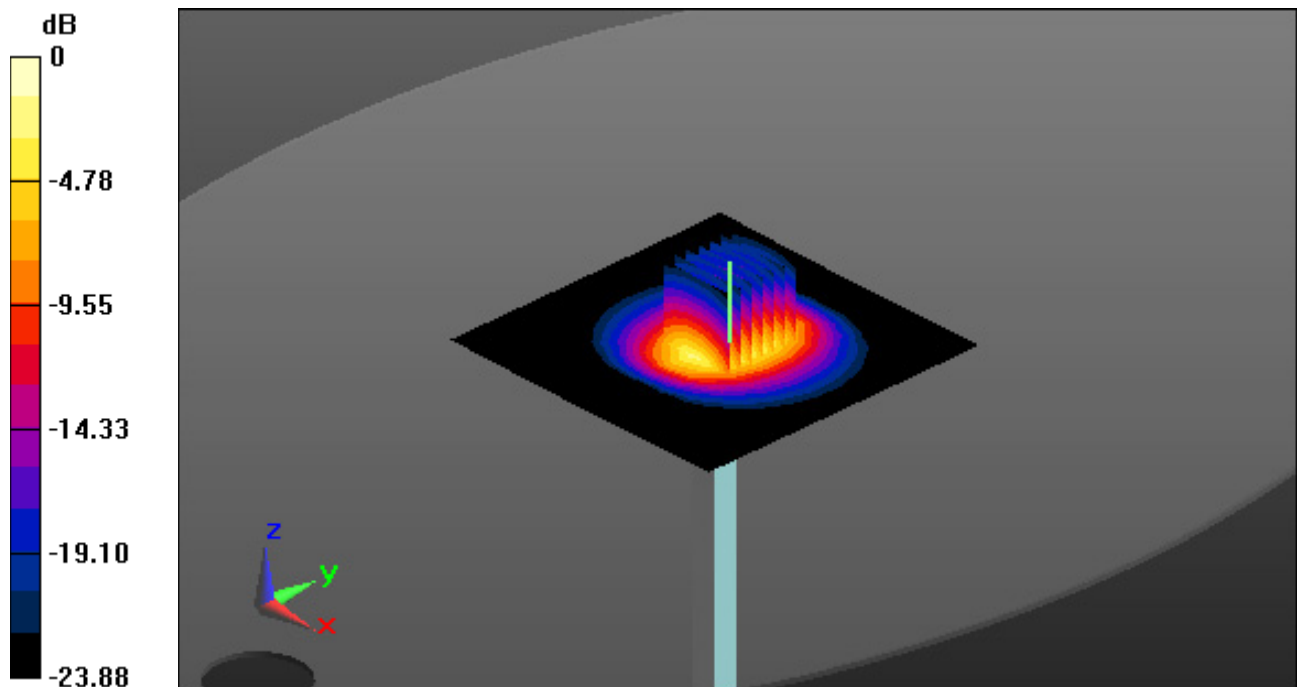
Area Scan (13x13x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.15 W/kg; SAR(10 g) = 2.42 W/kg



0 dB = 8.46 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: $f = 5300$ MHz; $\sigma = 4.681$ S/m; $\epsilon_r = 35.774$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.85, 5.85, 5.85) @ 5300 MHz; Calibrated: 10/19/2021 Electronics: DAE4
Sn1391

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: ELI v6.0; Type: QDOVA002AA; Serial: 1166

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-02; Ambient Temp: 20.8; Tissue Temp: 21.4

5300 MHz System Verification (100 mW)

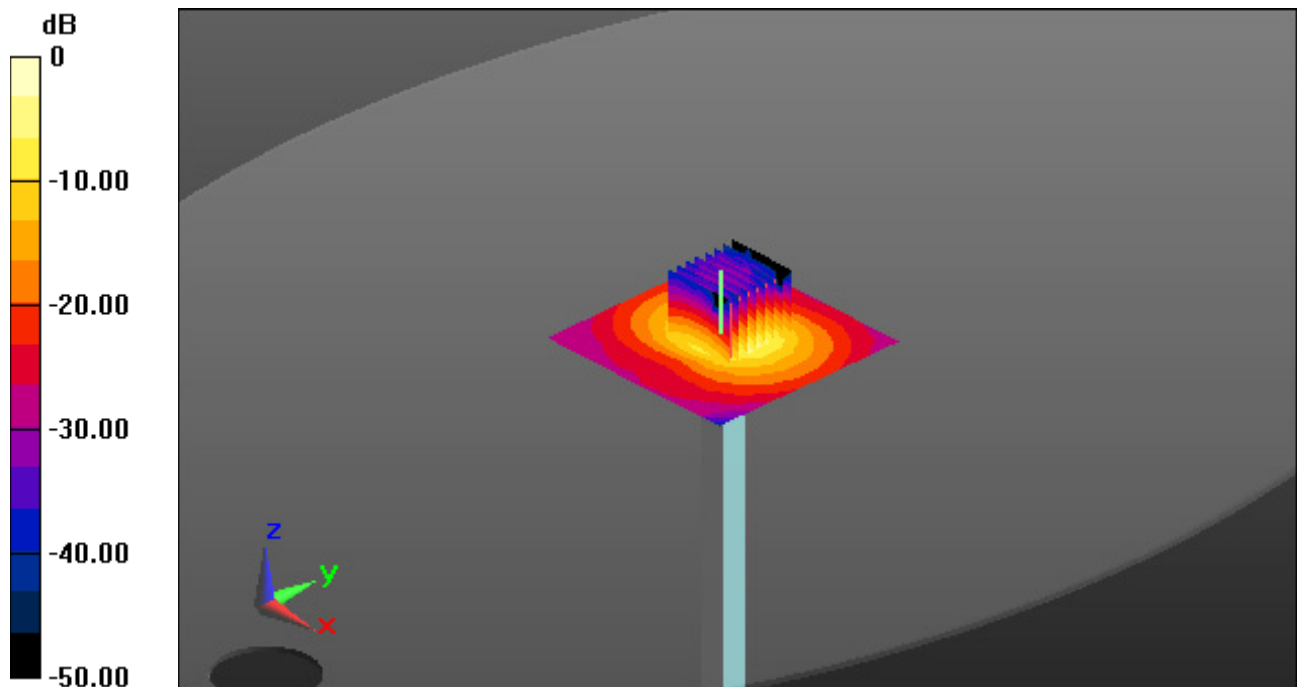
Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 30.0 W/kg

SAR(1 g) = 8.05 W/kg; SAR(10 g) = 2.38 W/kg



0 dB = 18.3 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; $\sigma = 5.233$ S/m; $\epsilon_r = 36.292$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.1, 5.1, 5.1) @ 5600 MHz; Calibrated: 10/19/2021 Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA002AA; Serial: 1166
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-03; Ambient Temp: 20.7; Tissue Temp: 20.9

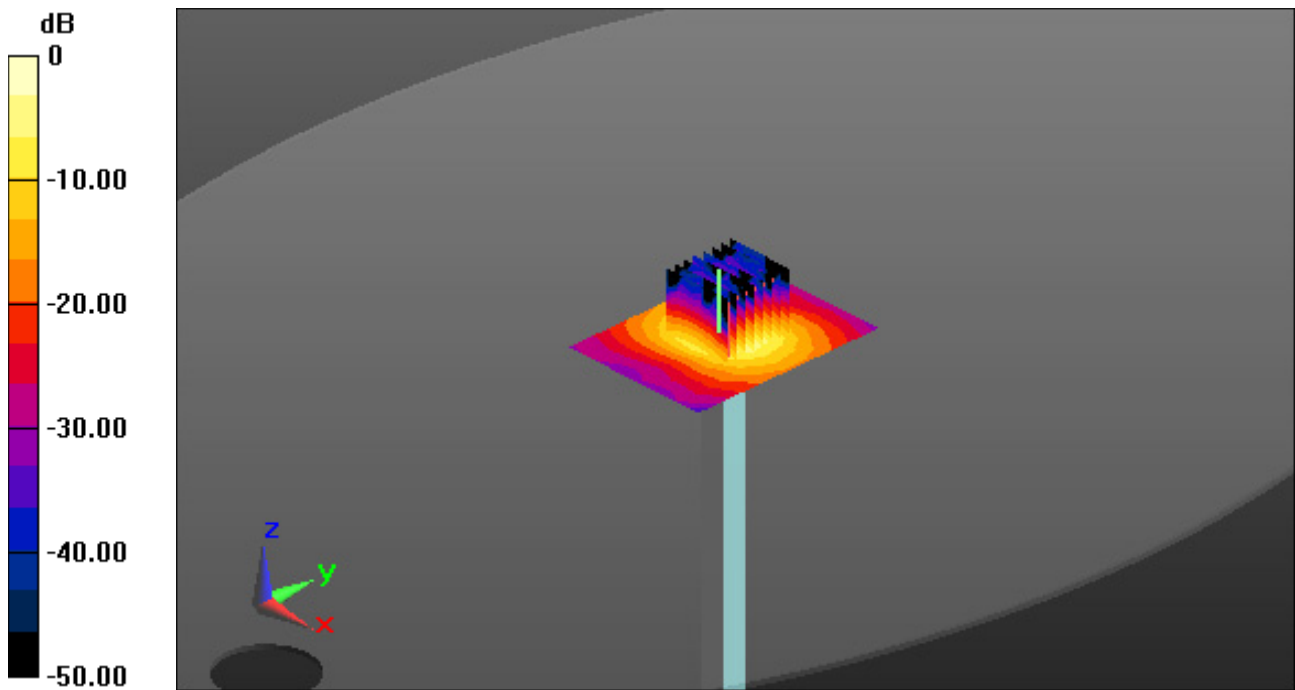
5600 MHz System Verification (100 mW)

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 = 0.02 dB

Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.35 W/kg



0 dB = 18.3 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; $\sigma = 5.372$ S/m; $\epsilon_r = 35.802$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.3, 5.3, 5.3) @ 5800 MHz; Calibrated: 10/19/2021 Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA002AA; Serial: 1166
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-04; Ambient Temp: 21.0; Tissue Temp: 21.5

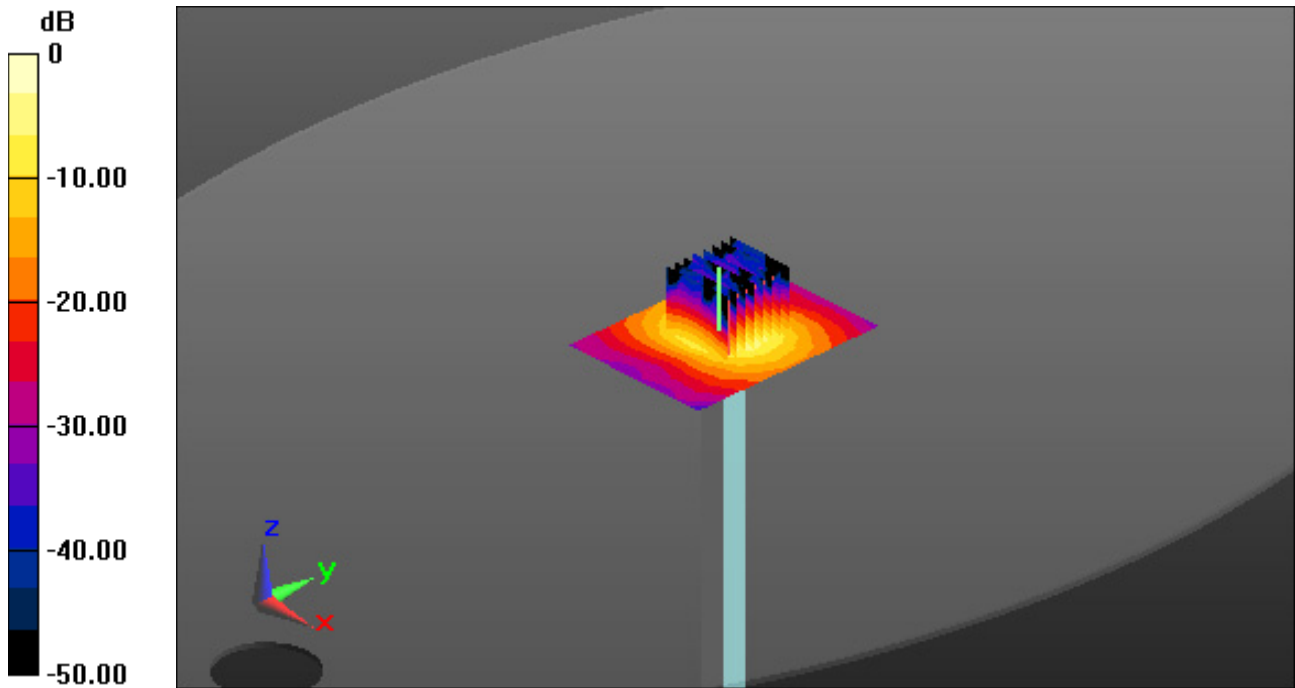
5800 MHz System Verification (100 mW)

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 = 0.09 dB

Peak SAR (extrapolated) = 30.9 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.35 W/kg



0 dB = 17.5 W/kg

DT&C Co., Ltd.

DUT: LK-P12IIW3; Type: Mobile Printer

Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.852$ S/m; $\epsilon_r = 39.675$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.07, 8.07, 8.07) @ 2462 MHz; Calibrated: 10/19/2021 Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA002AA; Serial: 1166
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-01; Ambient Temp: 21.4; Tissue Temp: 21.0

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

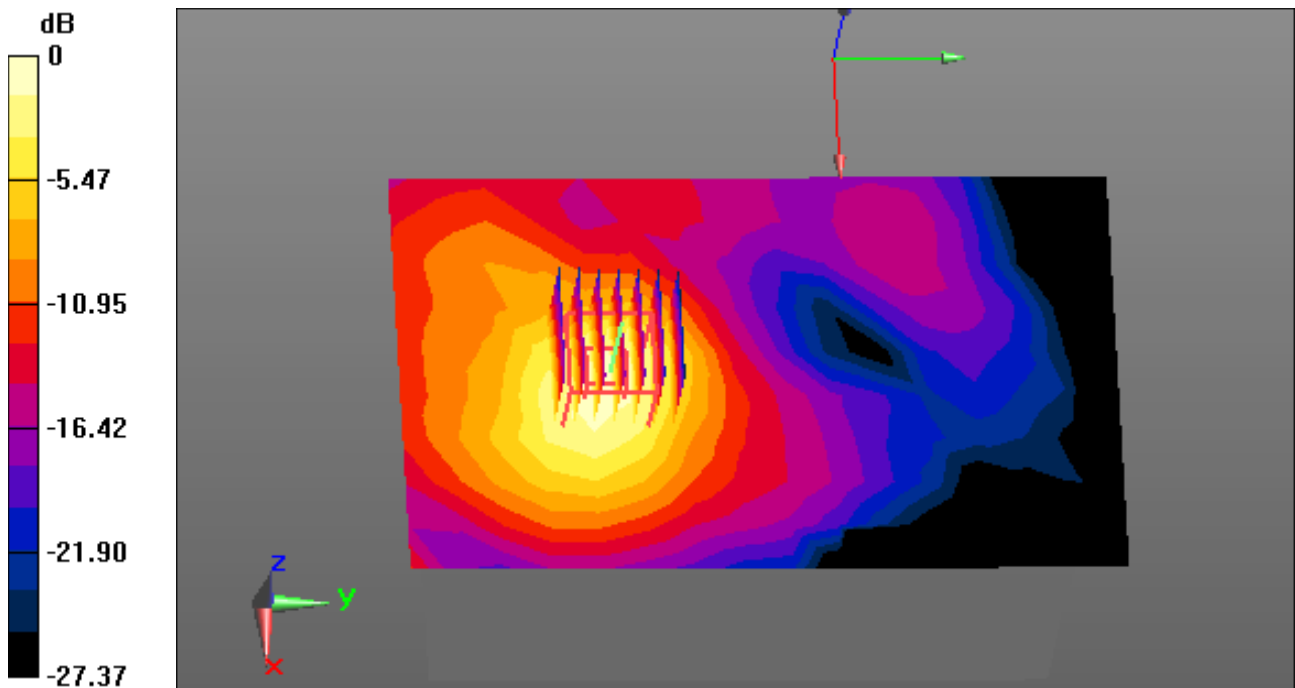
Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.108 W/kg



0 dB = 0.306 W/kg

DT&C Co., Ltd.

DUT: LK-P12IIW3; Type: Mobile Printer

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

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.637$ S/m; $\epsilon_r = 35.857$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.85, 5.85, 5.85) @ 5260 MHz; Calibrated: 10/19/2021 Electronics: DAE4 Sn1391

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: ELI v6.0; Type: QDOVA002AA; Serial: 1166

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-02; Ambient Temp: 20.8; Tissue Temp: 21.4

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

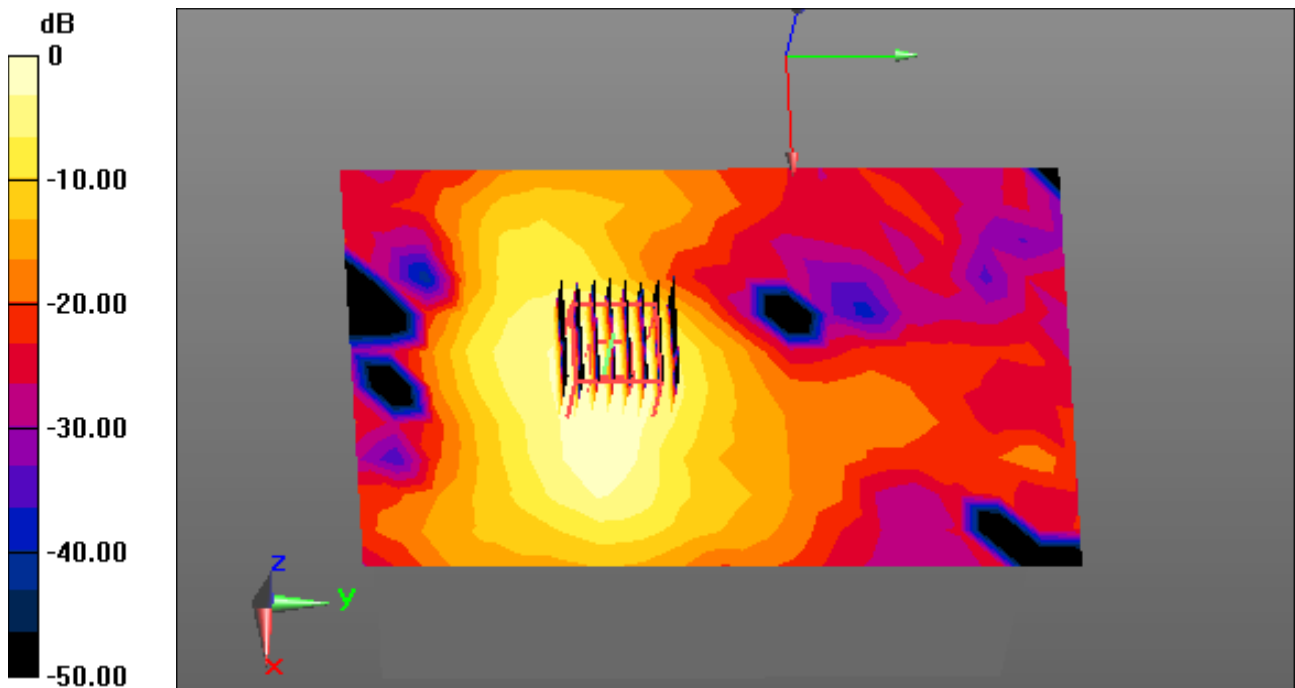
Area Scan (12x19x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.897 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.111 W/kg



0 dB = 0.587 W/kg

DT&C Co., Ltd.

DUT: LK-P12IIW3; Type: Mobile Printer

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.233$ S/m; $\epsilon_r = 36.292$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.1, 5.1, 5.1) @ 5600 MHz; Calibrated: 10/19/2021 Electronics: DAE4 Sn1391

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: ELI v6.0; Type: QDOVA002AA; Serial: 1166

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-03; Ambient Temp: 20.7; Tissue Temp: 20.9

Touch from Body, Front, WLAN(802.11n HT20) Ch. 120, Ant. Internal

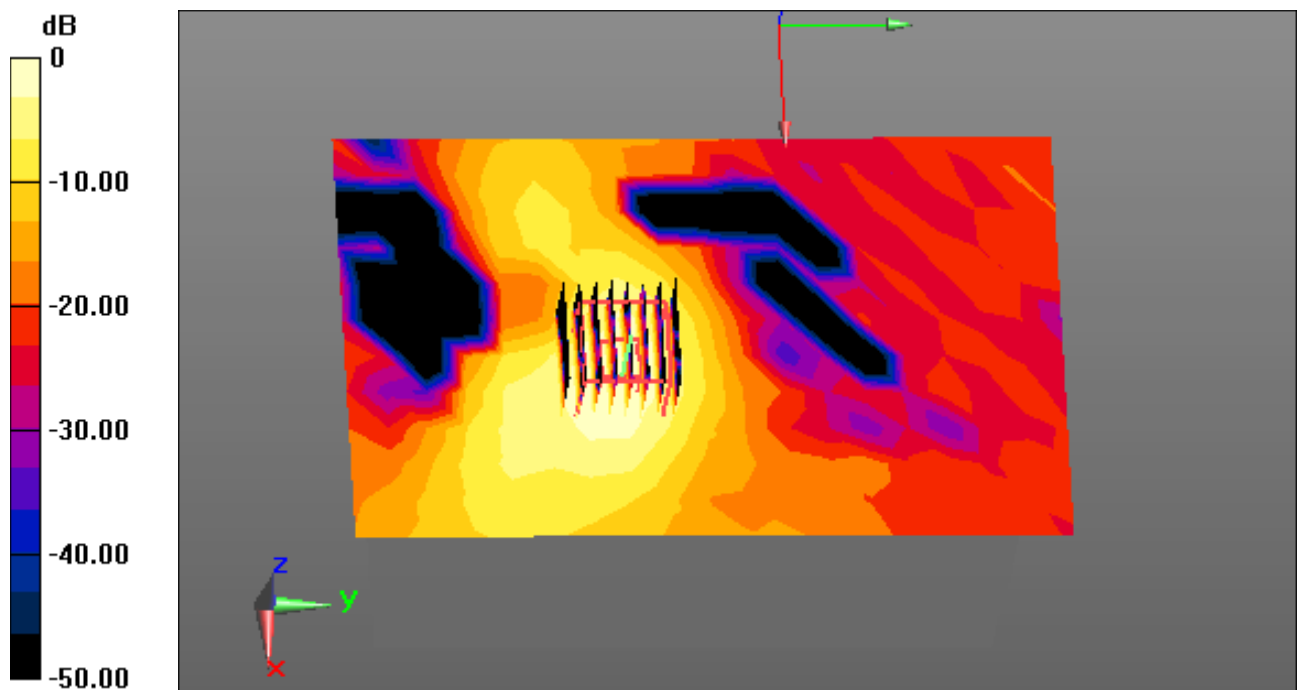
Area Scan (12x19x1): Measurement grid: dx=10mm, dy=10mm

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) = 1.39 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.154 W/kg



0 dB = 0.887 W/kg

DT&C Co., Ltd.

DUT: LK-P12IIW3; Type: Mobile Printer

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

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.304 \text{ S/m}$; $\epsilon_r = 35.881$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.3, 5.3, 5.3) @ 5745 MHz; Calibrated: 10/19/2021 Electronics: DAE4 Sn1391

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: ELI v6.0; Type: QDOVA002AA; Serial: 1166

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2022-08-04; Ambient Temp: 21.0; Tissue Temp: 21.5

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

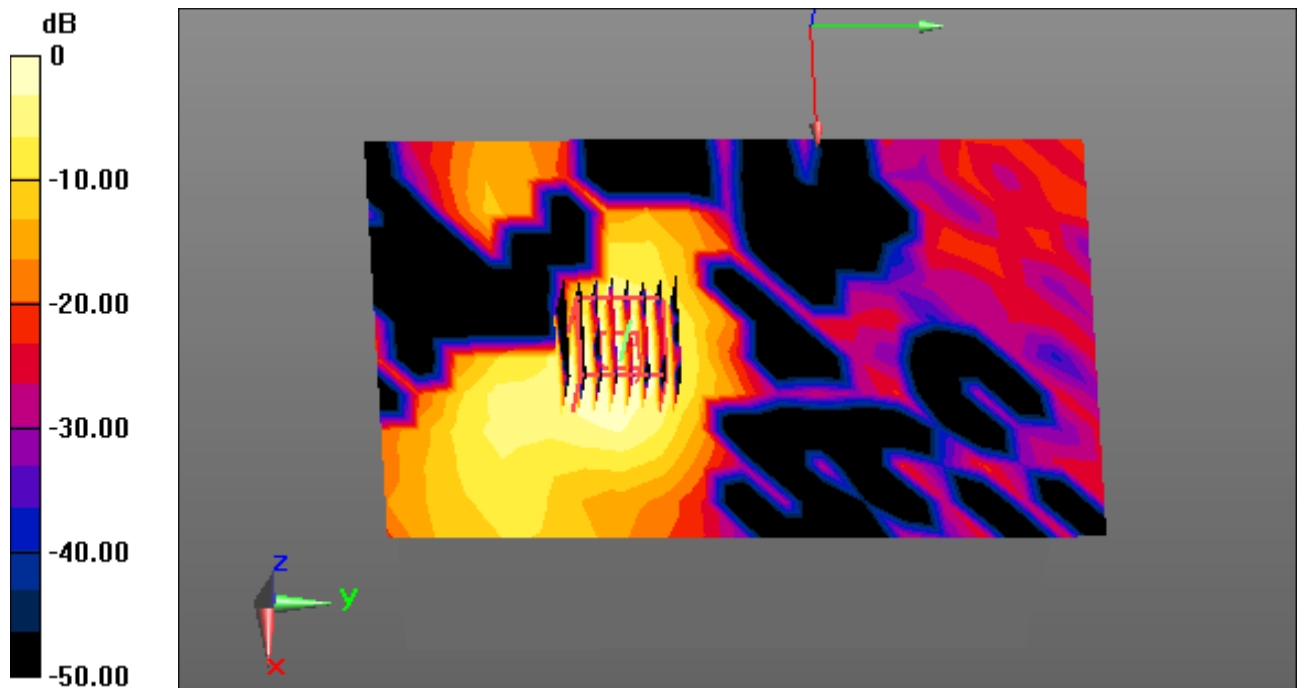
Area Scan (12x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = -0.05 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.109 W/kg



0 dB = 0.656 W/kg