SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

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

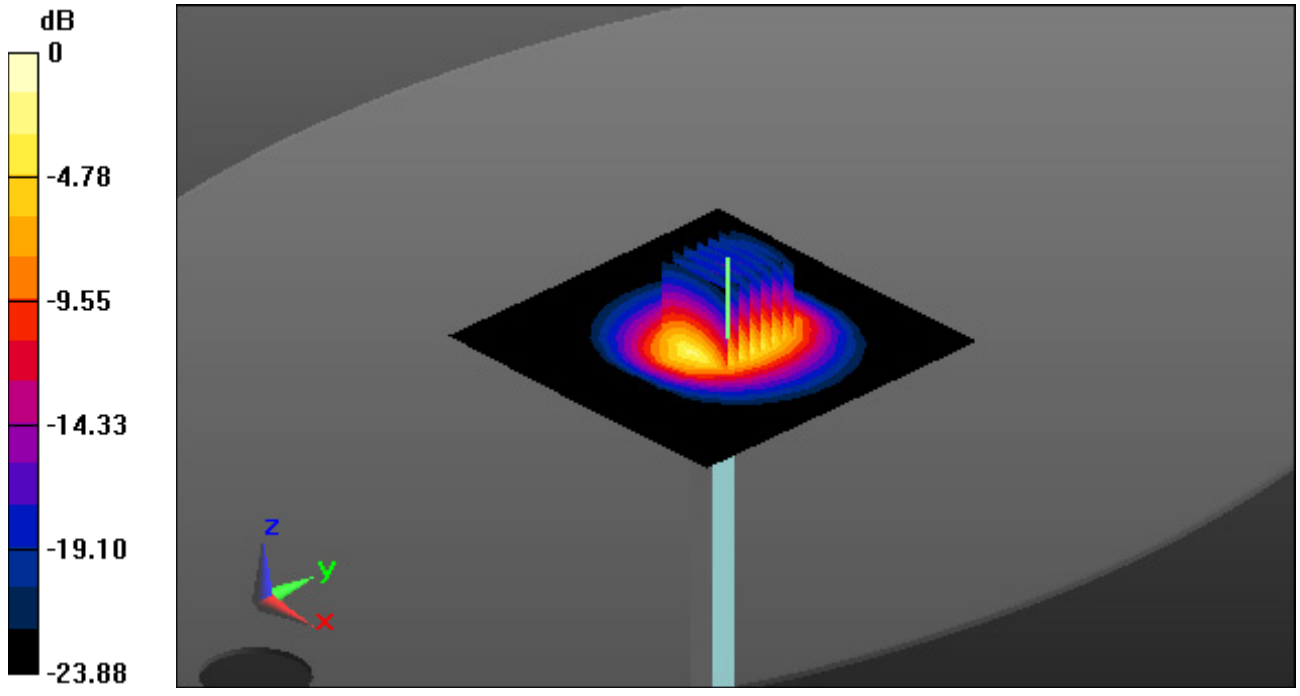
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.837 S/m; ε_r = 39.698; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

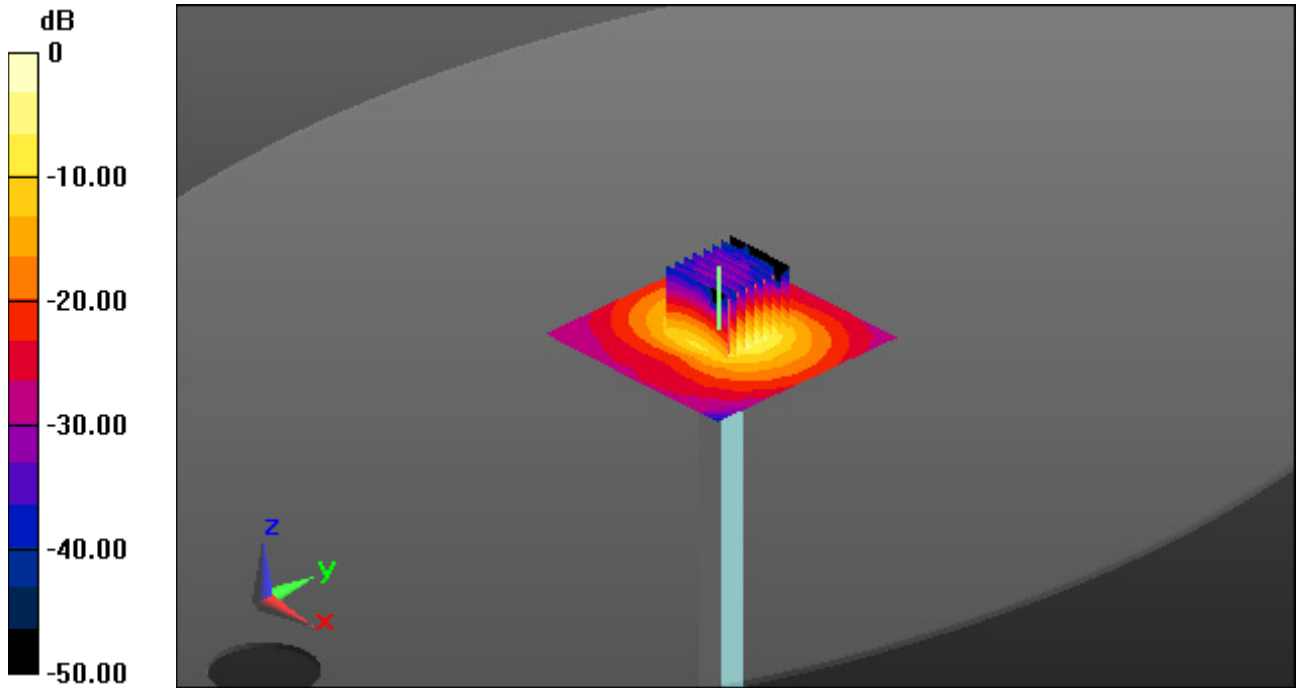
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.681 S/m; ε_r = 35.774; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

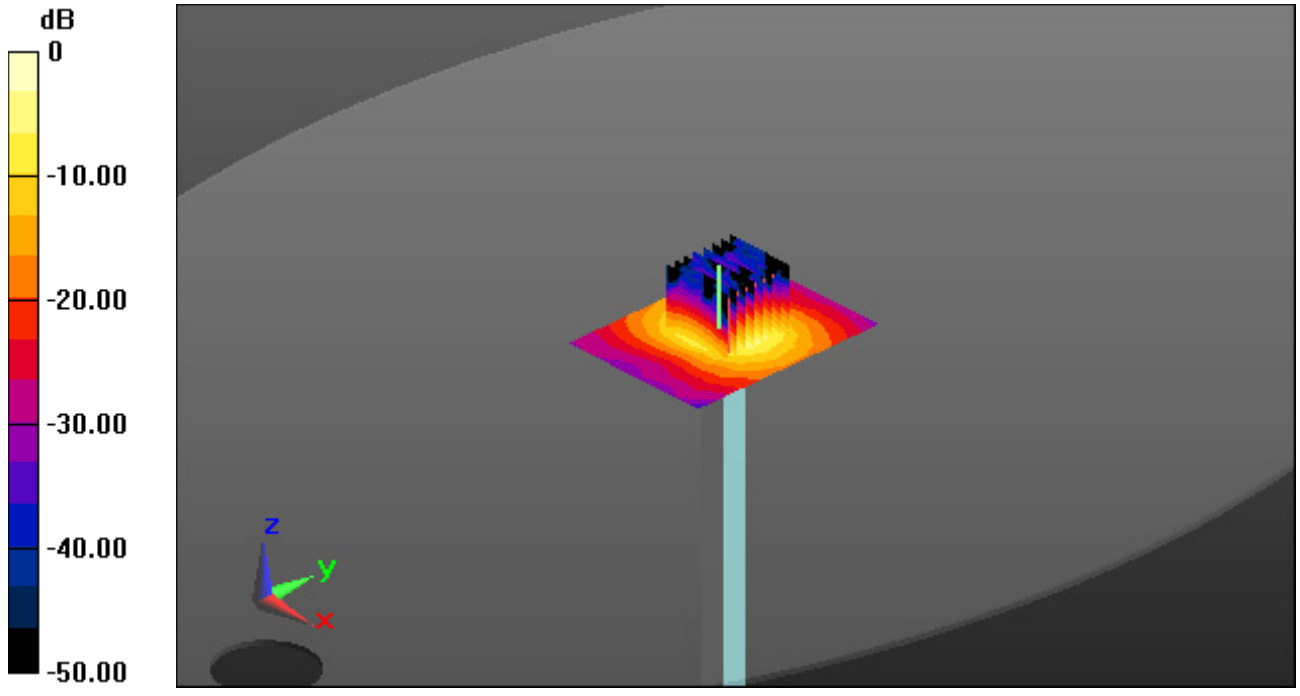
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.233 S/m; ε_r = 36.292; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

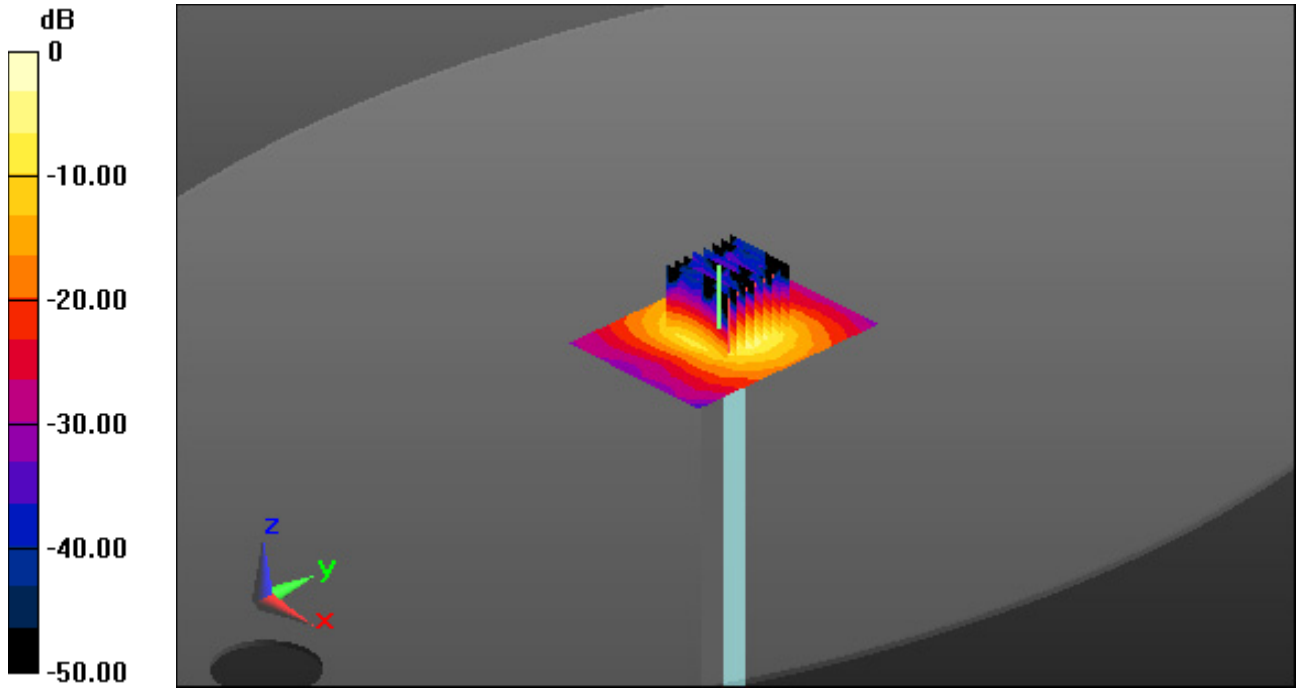
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.372 S/m; ε_r = 35.802; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

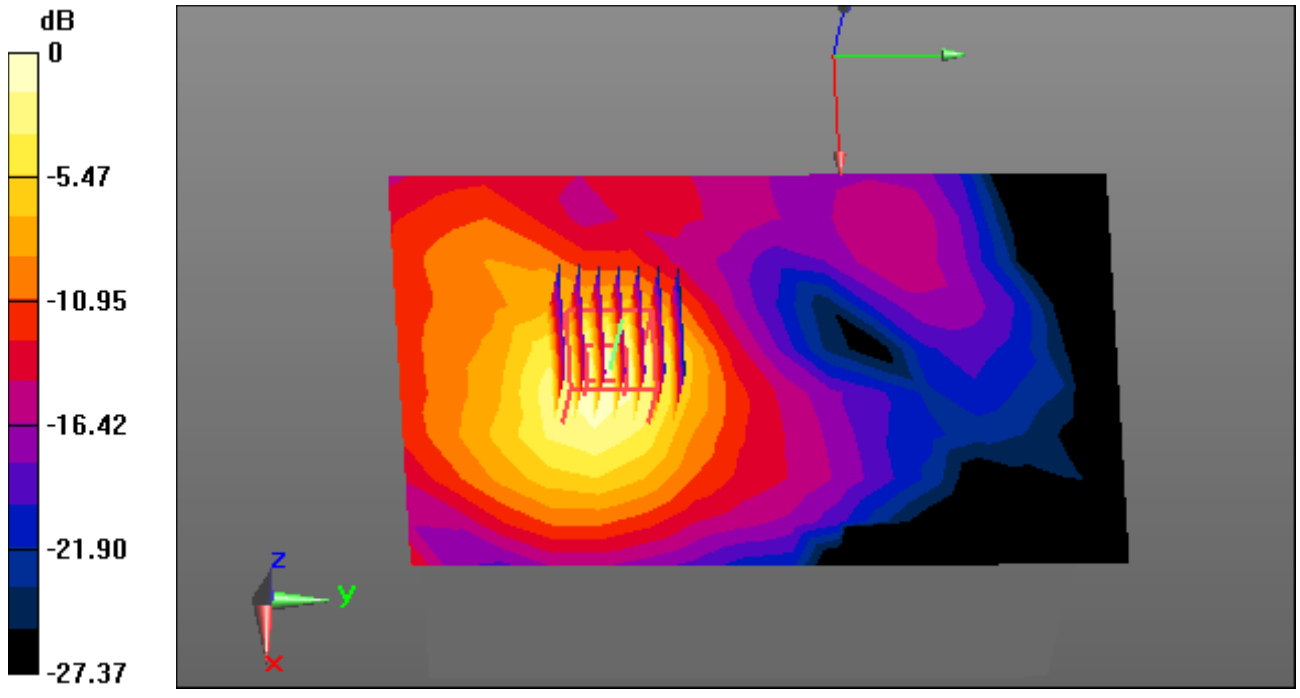
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.852 S/m; ε_r = 39.675; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

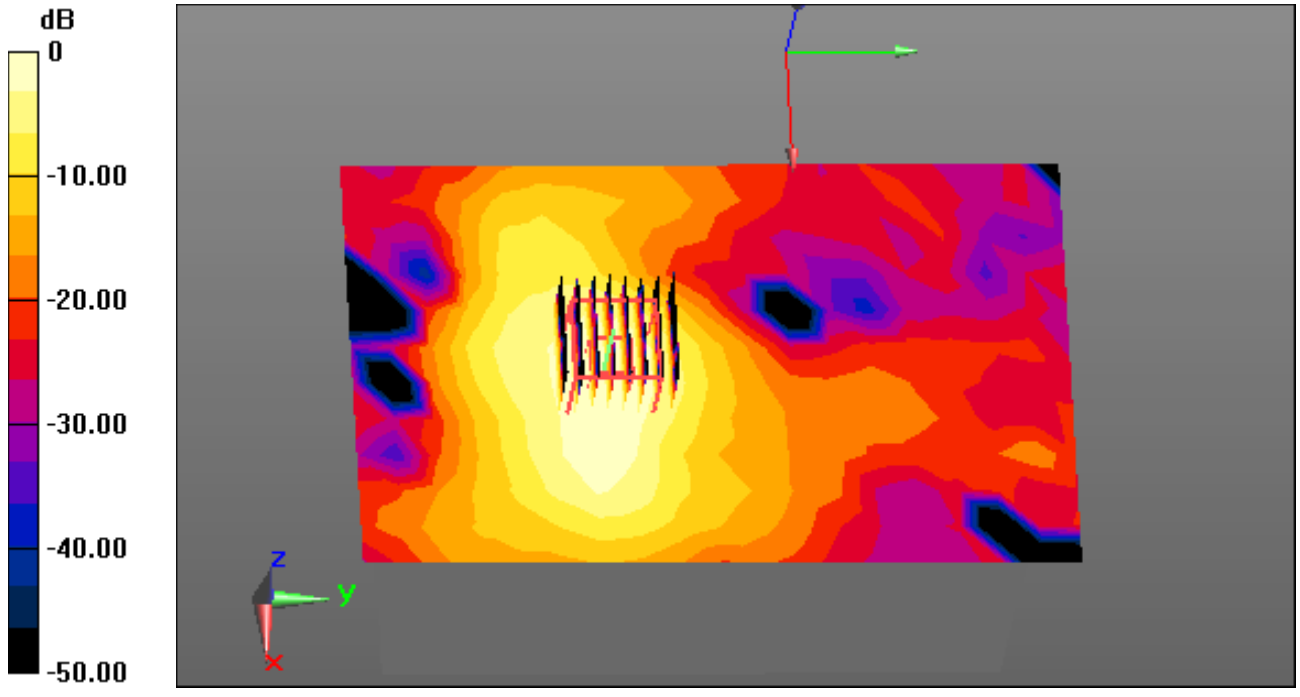
Communication System: UID 0, W-LAN 5G (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 4.637 S/m; ε_r = 35.857; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

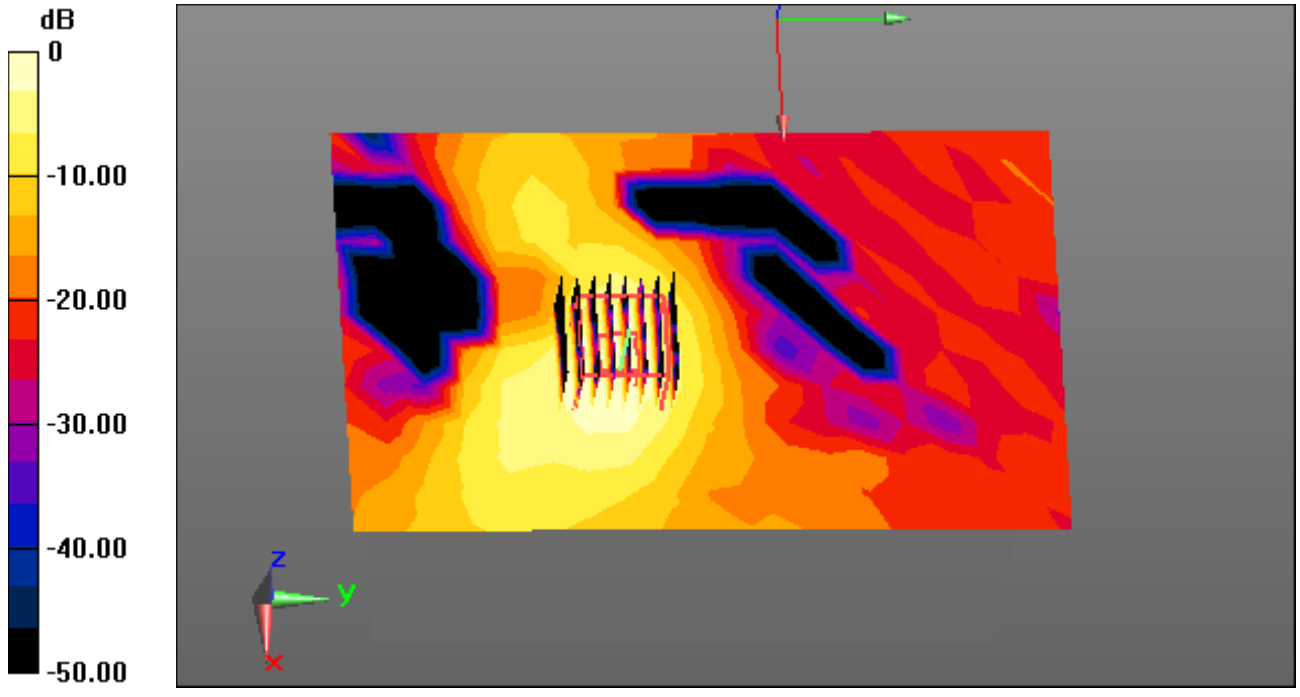
Communication System: UID 0, W-LAN 5G (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.233 S/m; ε_r = 36.292; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

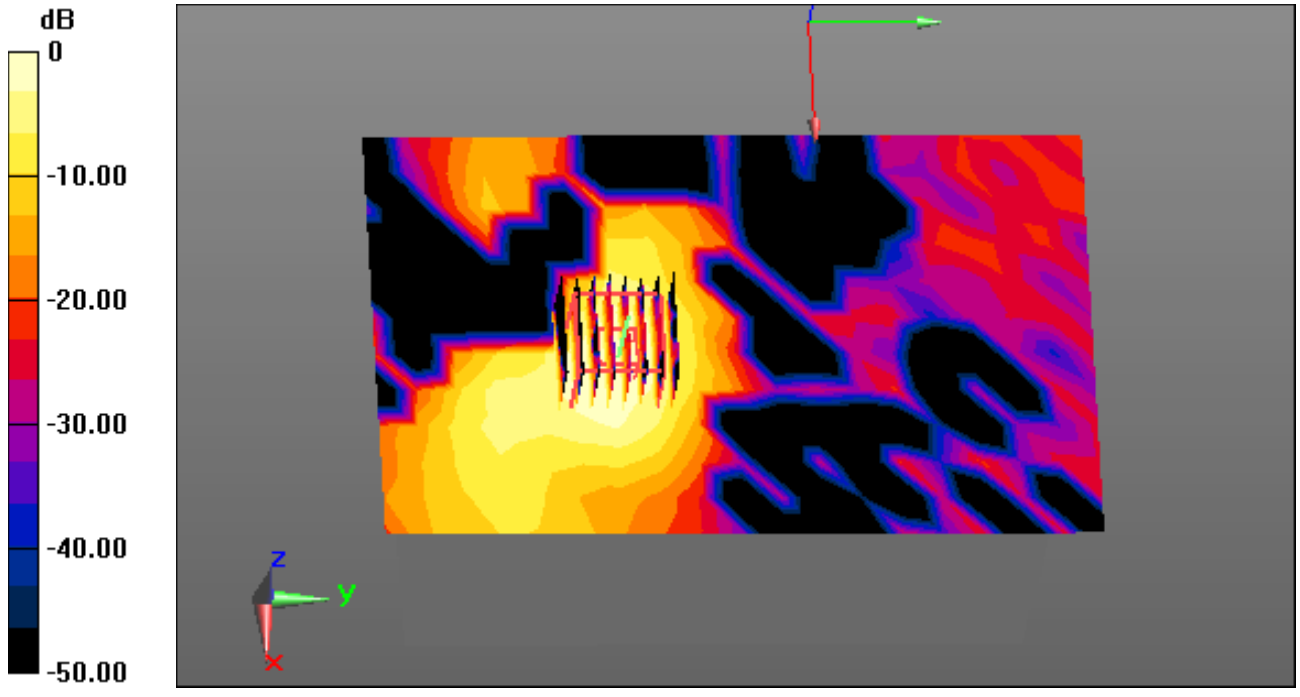
Communication System: UID 0, W-LAN 5G (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.304 S/m; ε_r = 35.881; ρ = 1000 kg/m^3
Phantom section: Flat Section

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=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) = 1.03 W/kg
SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.109 W/kg



0 dB = 0.656 W/kg