SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

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

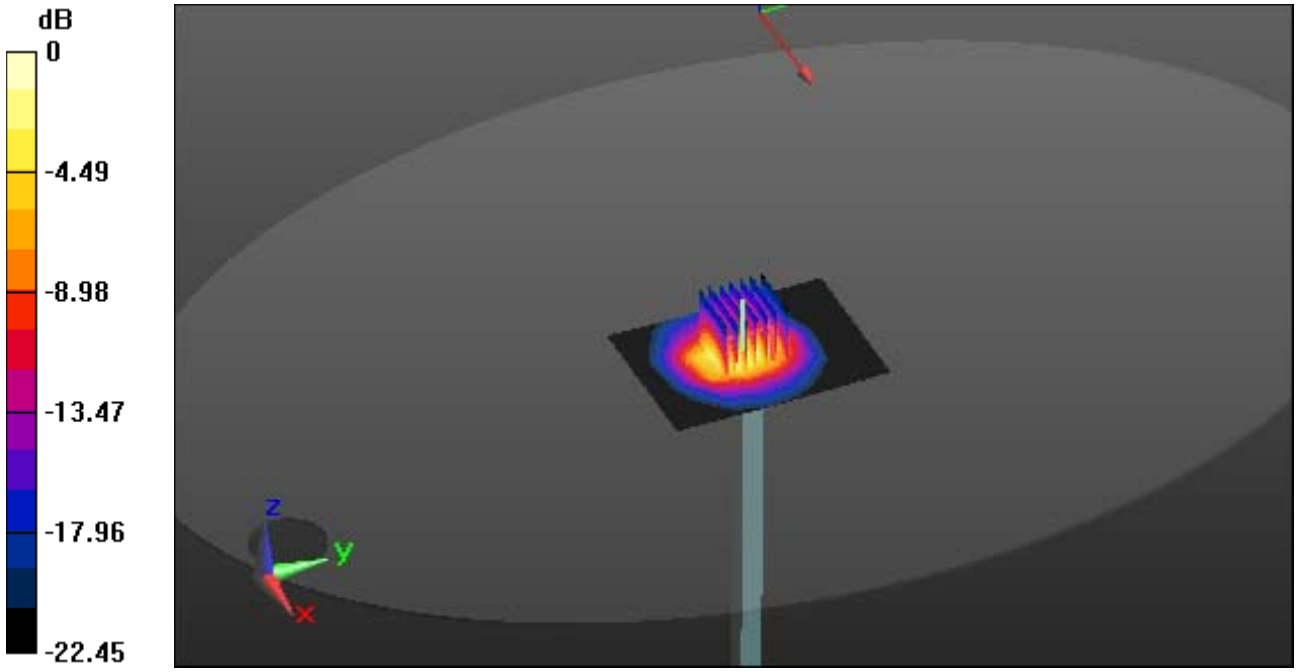
Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.908 S/m; ε_r = 52.41; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 2 mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-23; Ambient Temp: 20.8; Tissue Temp:21.4

2450 MHz System Verification

Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 10.1 W/kg
SAR(1 g) = 4.98 W/kg; SAR(10 g) = 2.31 W/kg



0 dB = 9.12 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

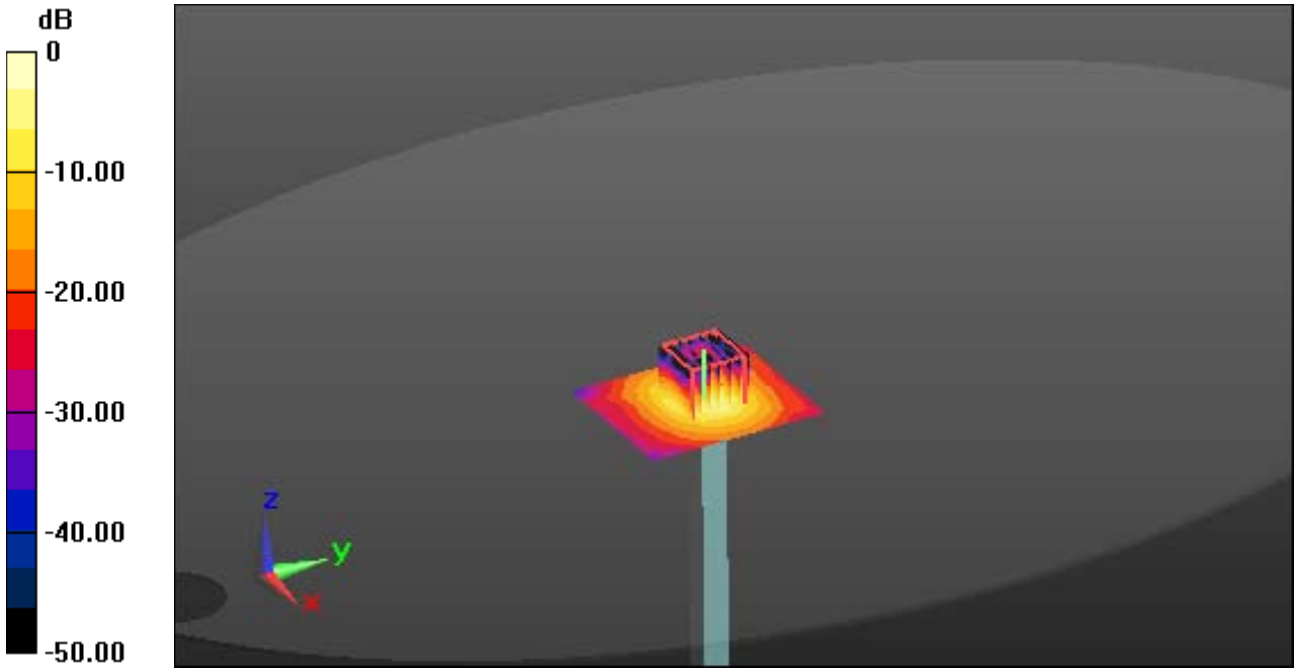
Communication System: UID 0, CW (0); Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.494 S/m; ε_r = 48.308; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.78, 4.78, 4.78); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-24; Ambient Temp: 21.6; Tissue Temp:21.9

5300 MHz System Verification

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.18 dB
Peak SAR (extrapolated) = 28.5 W/kg
SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.06 W/kg



0 dB = 15.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

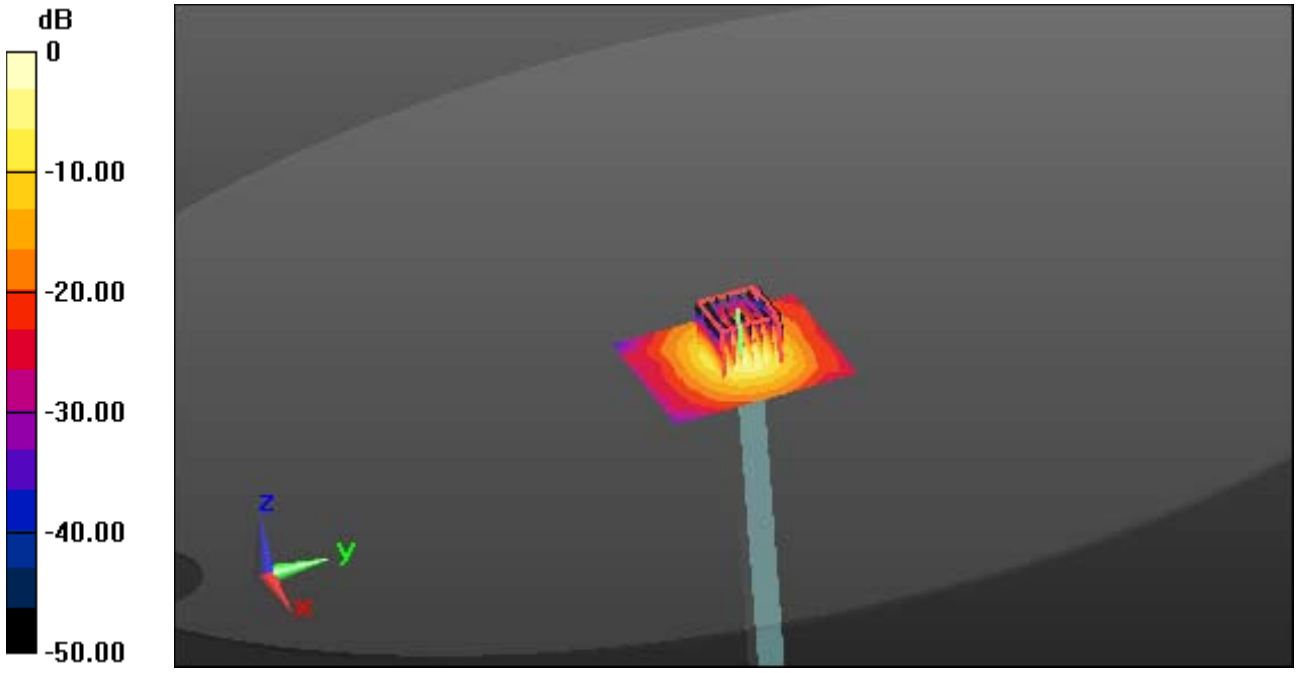
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.931 S/m; ε_r = 49.002; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.03, 4.03, 4.03); Calibrated: 5/31/2017; Electronics: DAE4Sn1453
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-25; Ambient Temp: 21.3; Tissue Temp:21.6

5600 MHz System Verification

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.08 dB
Peak SAR (extrapolated) = 31.7 W/kg
SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 15.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

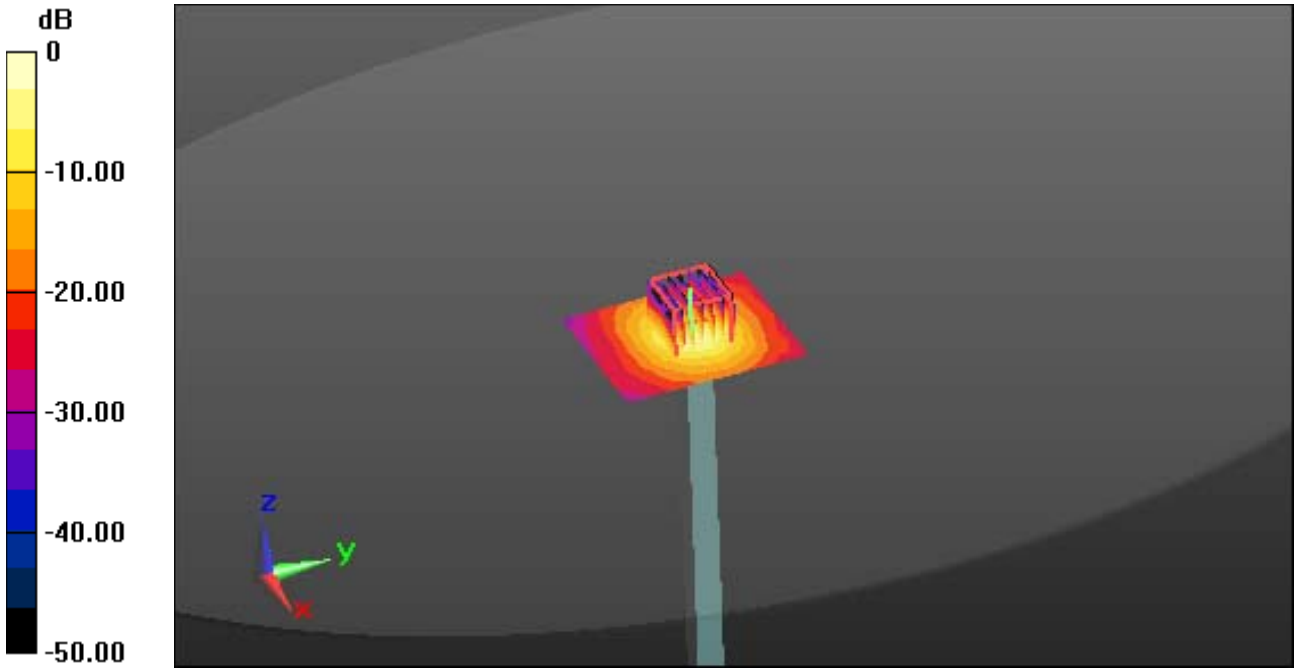
Communication System: UID 0, CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 6.103 S/m; ε_r = 47.625; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.24, 4.24, 4.24); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-26; Ambient Temp: 21.5; Tissue Temp:21.9

5800 MHz System Verification

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 28.4 W/kg
SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.04 W/kg



0 dB = 15.5 W/kg

DT&C Co., Ltd.

DUT: RT101; Type: Tablet Computer

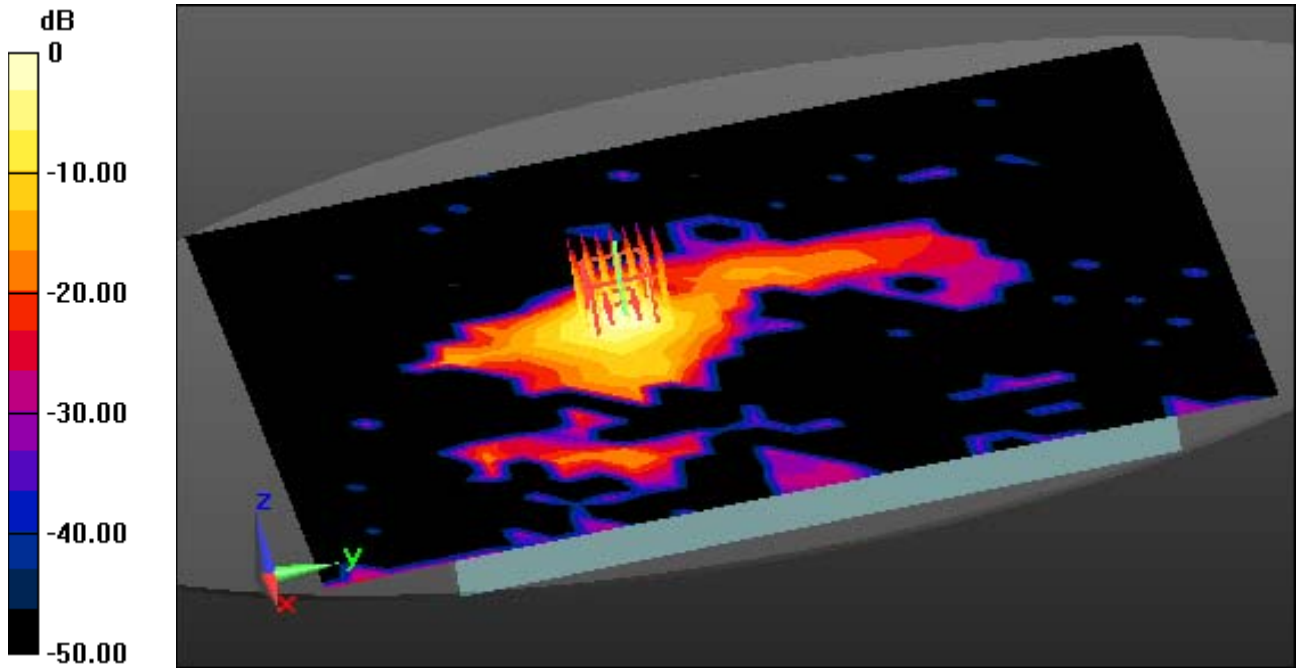
Communication System: UID 0, W-LAN 2.4G(802.11b/g/n20, 40) (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.892 S/m; ε_r = 52.445; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-23; Ambient Temp: 20.8; Tissue Temp: 21.4

Touch from Body, Rear, W-LAN(802.11b - 2.4G) Ch. 6, Ant Internal

Area Scan (26x30x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.789 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.137 W/kg



0 dB = 0.554 W/kg

DT&C Co., Ltd.

DUT: RT101; Type: Tablet Computer

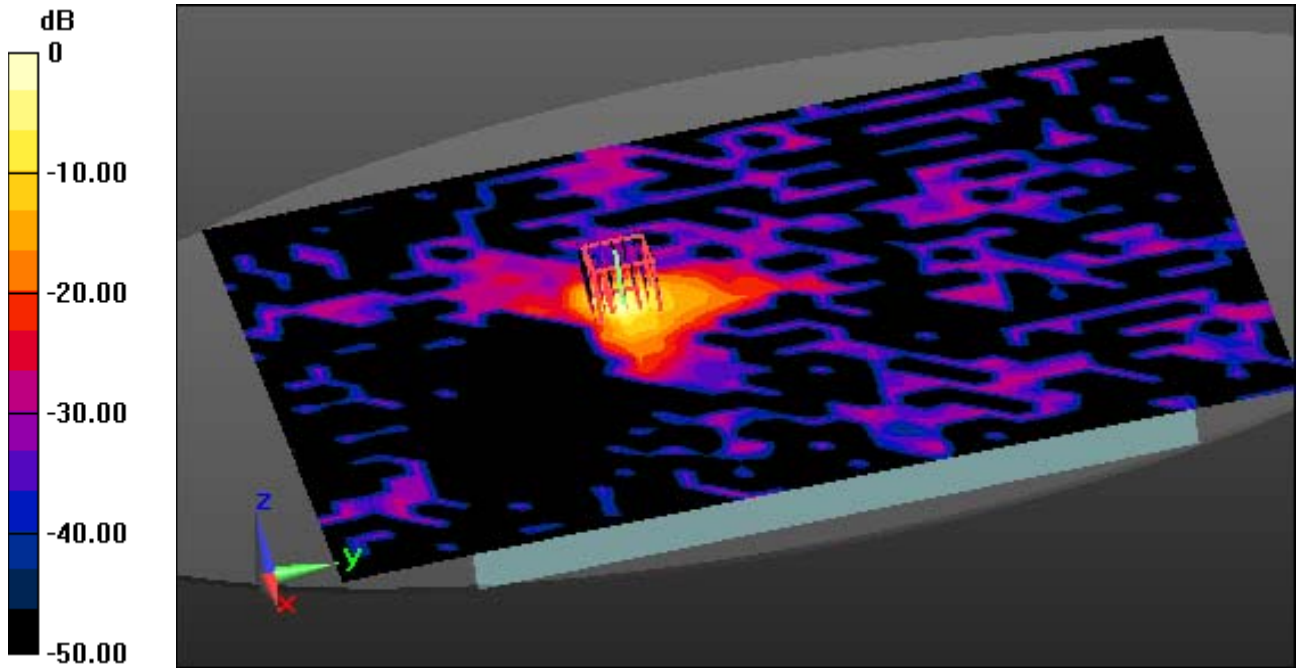
Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.444 S/m; ε_r = 48.37; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.78, 4.78, 4.78); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-24; Ambient Temp: 21.6; Tissue Temp: 21.9

Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal

Area Scan (31x36x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 3.82 W/kg
SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.152 W/kg



0 dB = 1.97 W/kg

DT&C Co., Ltd.

DUT: RT101; Type: Tablet Computer

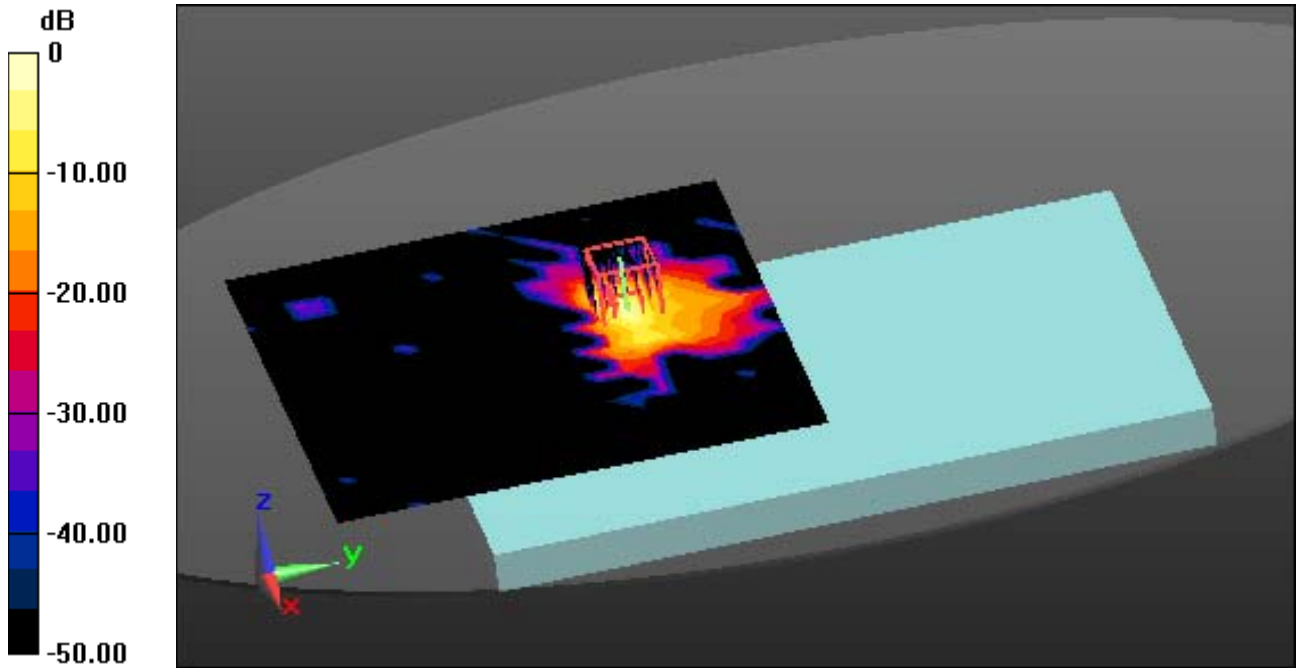
Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; σ = 5.998 S/m; ε_r = 48.789; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.03, 4.03, 4.03); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-25; Ambient Temp: 21.3; Tissue Temp: 21.6

Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 132, Ant Internal

Area Scan (21x19x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 5.09 W/kg
SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.167 W/kg



0 dB = 2.48 W/kg

DT&C Co., Ltd.

DUT: RT101; Type: Tablet Computer

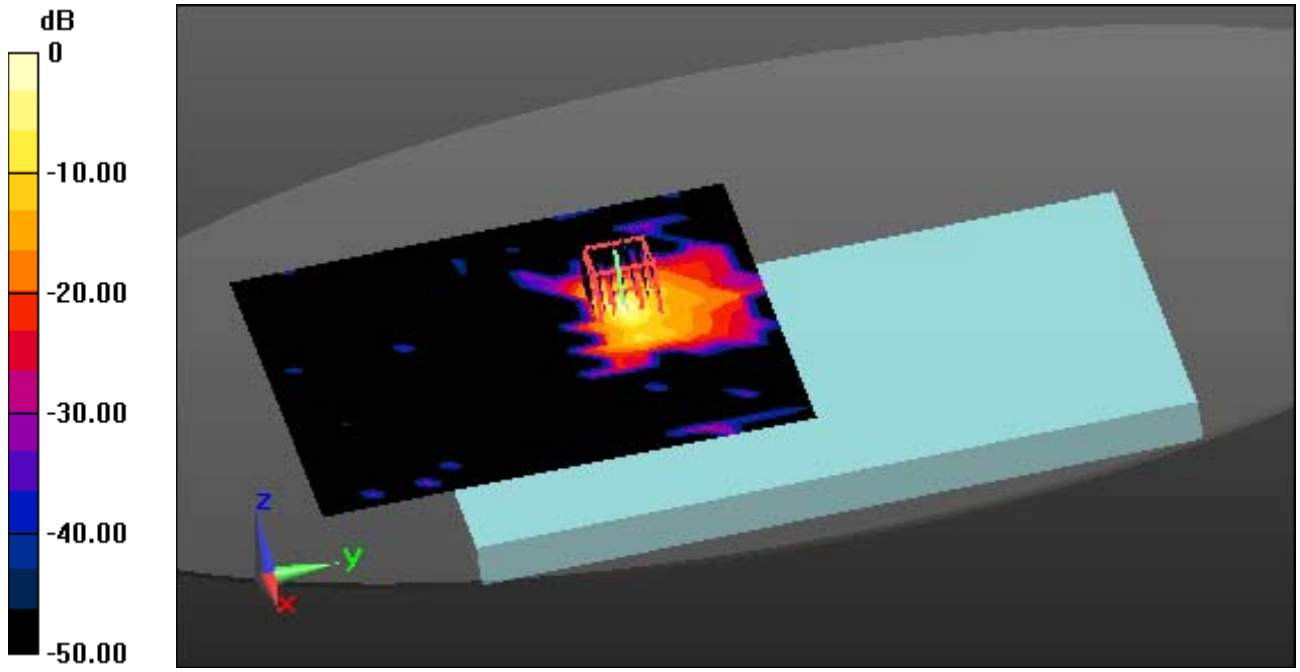
Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 6.028 S/m; ε_r = 47.74; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.24, 4.24, 4.24); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-26; Ambient Temp: 21.5; Tissue Temp: 21.9

Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 149, Ant Internal

Area Scan (21x19x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 5.15 W/kg
SAR(1 g) = 0.792 W/kg; SAR(10 g) = 0.160 W/kg



0 dB = 2.52 W/kg