SAR Plots

- Verification Plots
- SAR Test Plots

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DT&C Co., Ltd.

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1049

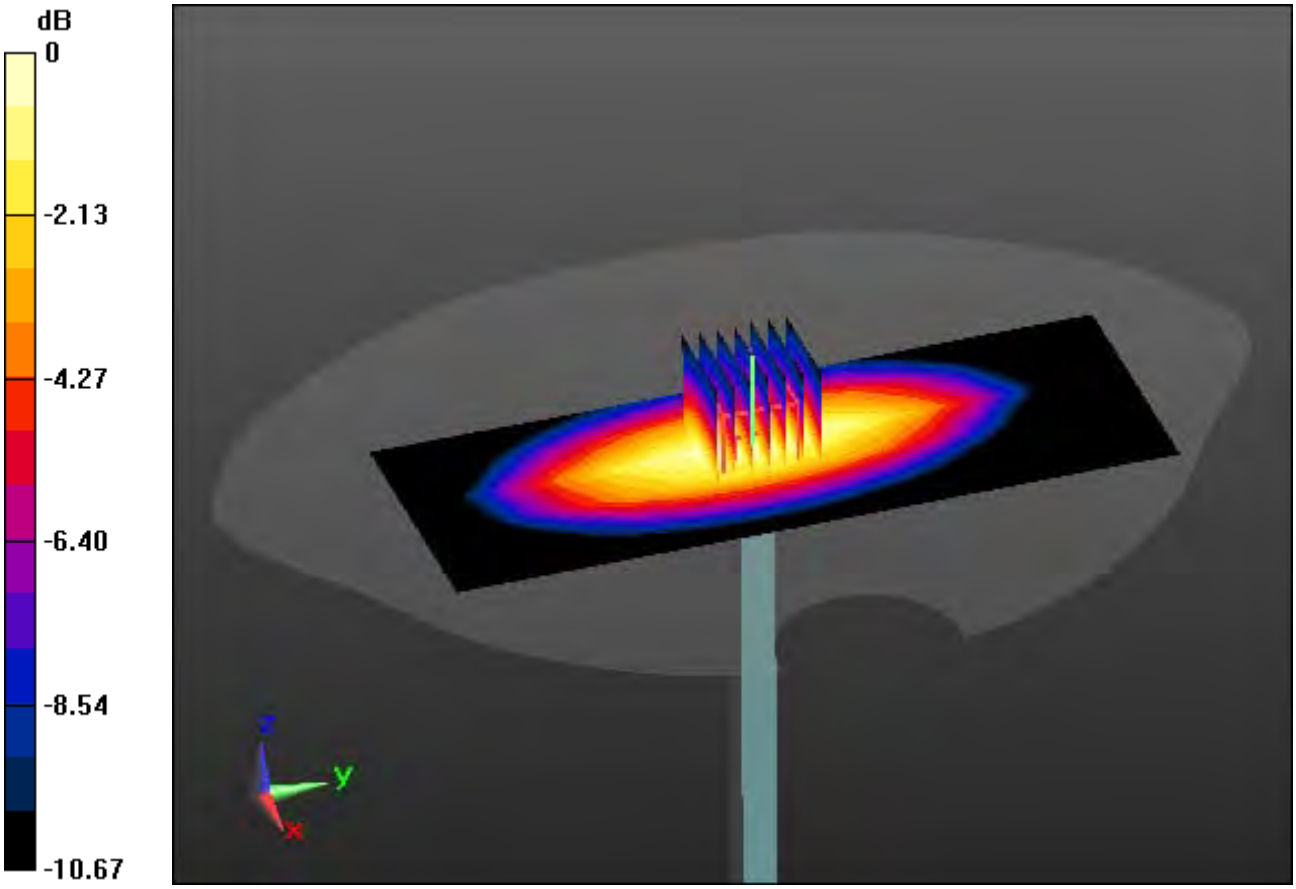
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.917 S/m; ε_r = 41.963; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.72, 6.72, 6.72); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-27; Ambient Temp: 21.5; Tissue Temp: 21.7

750 MHz System Head Verification (250 mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.20 W/kg
SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.36 W/kg



0 dB = 2.48 W/kg

DT&C Co., Ltd.

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1049

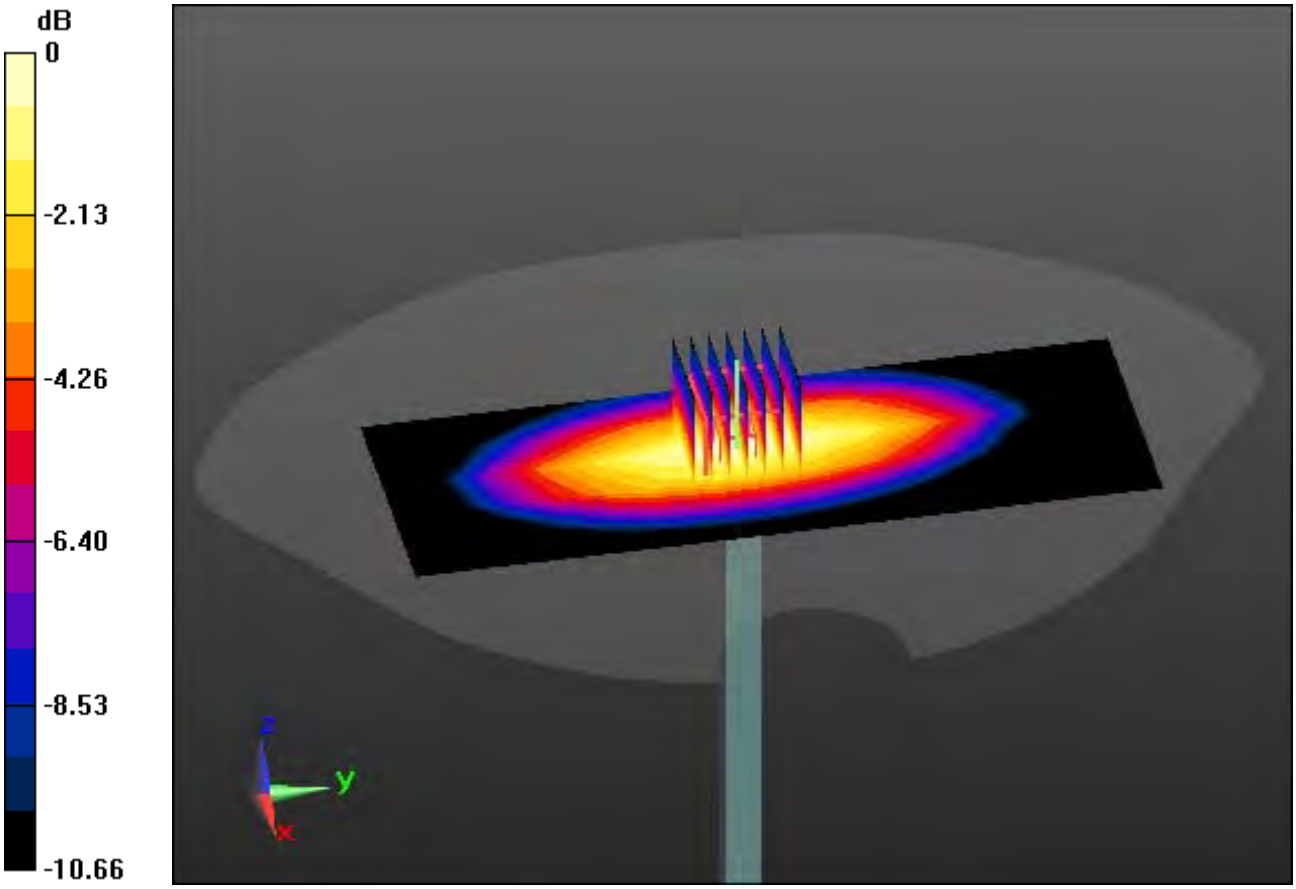
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.986 S/m; ε_r = 53.976; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.42, 6.42, 6.42); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-27; Ambient Temp: 21.5; Tissue Temp: 21.8

750 MHz System Body Verification (250 mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.44 W/kg



0 dB = 2.79 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

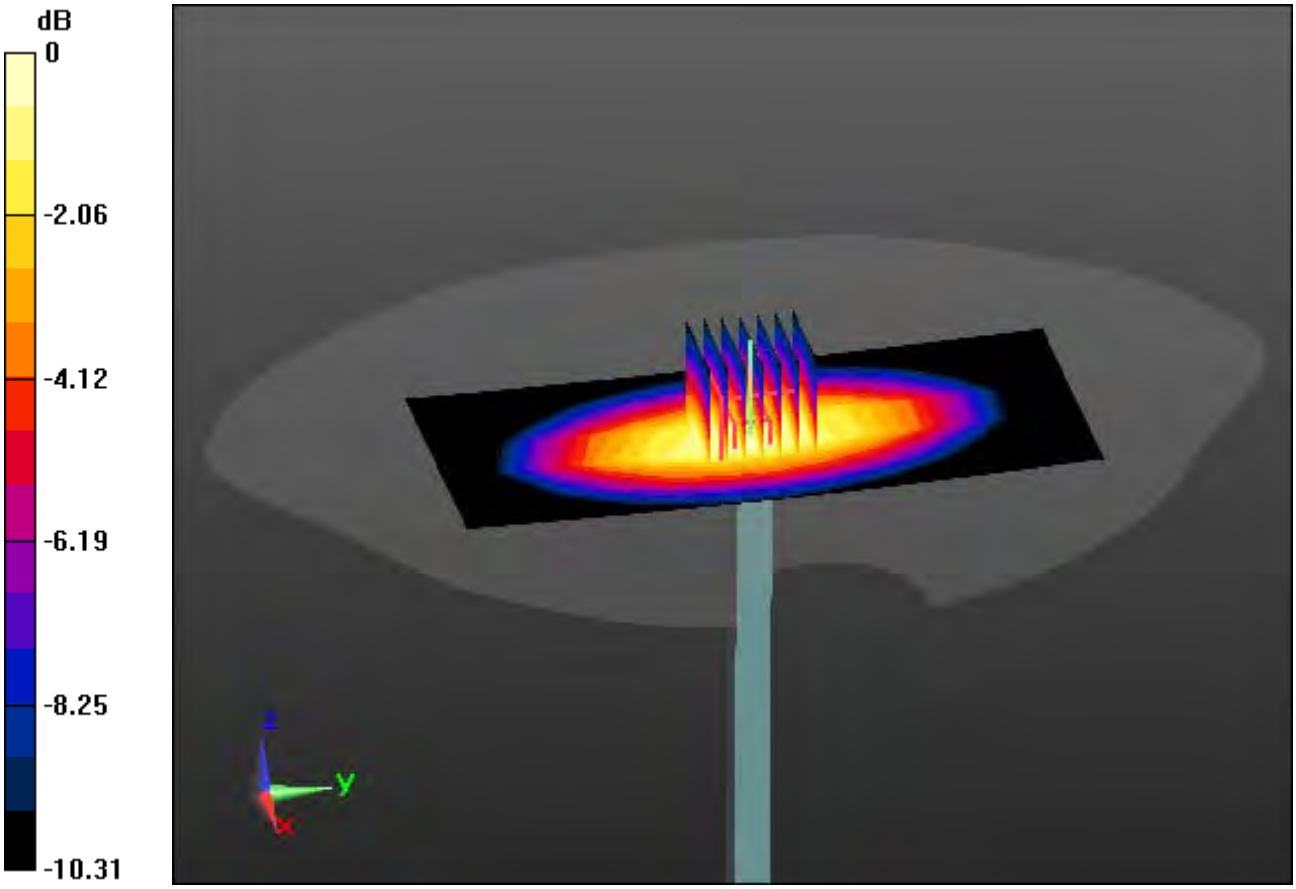
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.886 S/m; ε_r = 41.934; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-19; Ambient Temp: 21.0; Tissue Temp: 21.3

835 MHz System Head Verification (250 mW)

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.32 W/kg
SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.5 W/kg



0 dB = 2.66 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

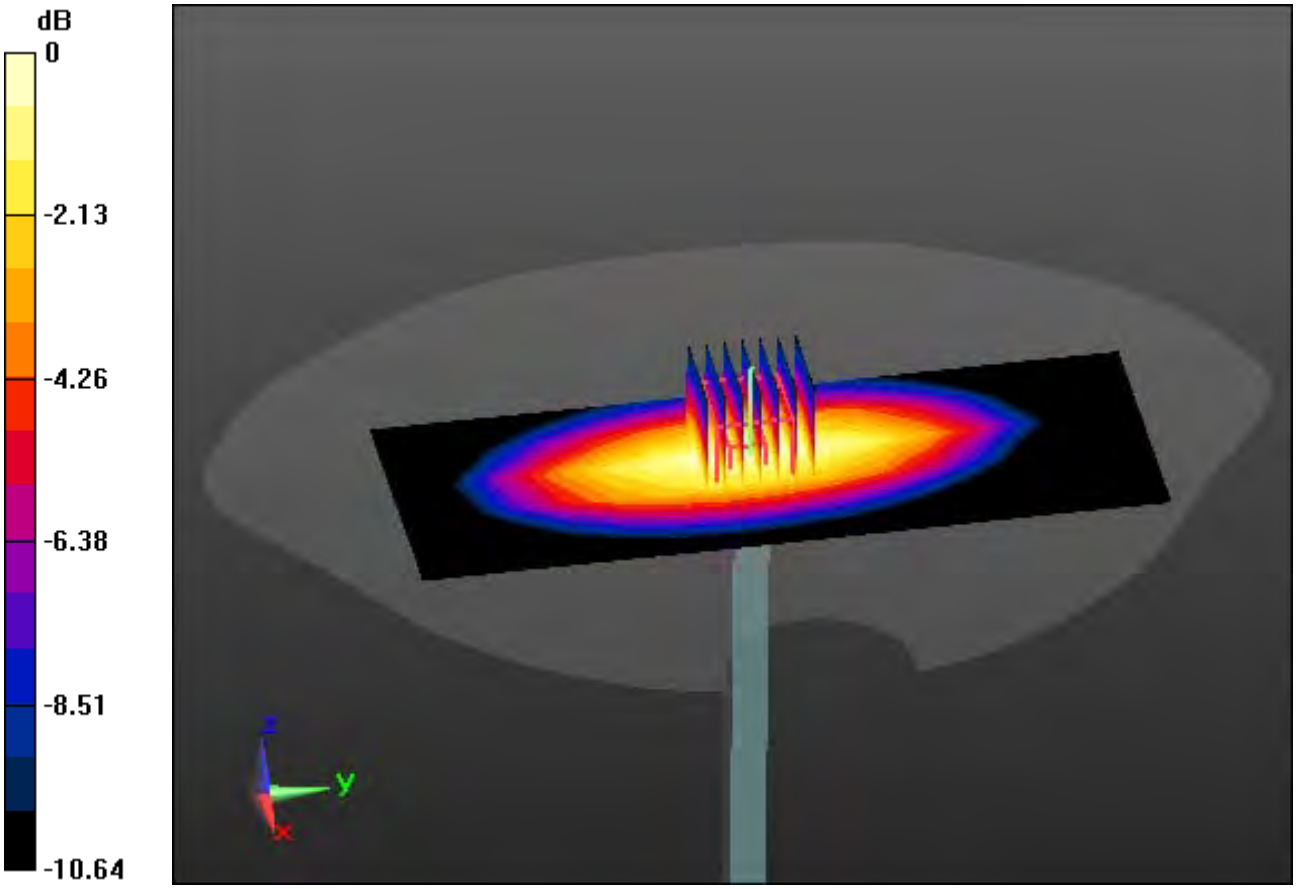
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.974 S/m; ε_r = 54.772; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.31, 6.31, 6.31); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-20; Ambient Temp: 21.3; Tissue Temp: 21.9

835 MHz System Body Verification (250 mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.53 W/kg



0 dB = 2.78 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

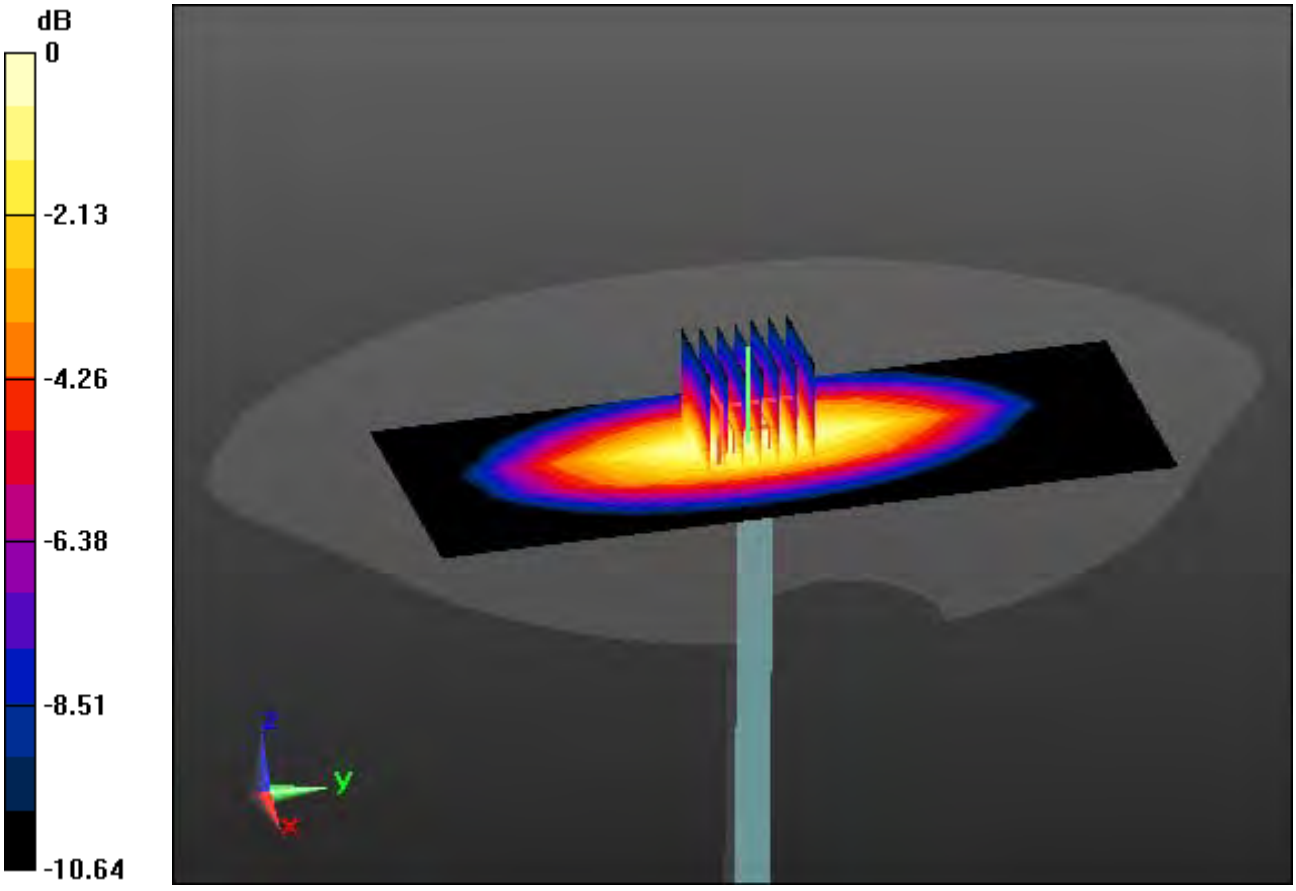
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.977 S/m; ε_r = 55.03; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.31, 6.31, 6.31); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-21; Ambient Temp: 21.1; Tissue Temp: 21.5

835 MHz System Body Verification (250 mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.52 W/kg



0 dB = 2.78 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d047

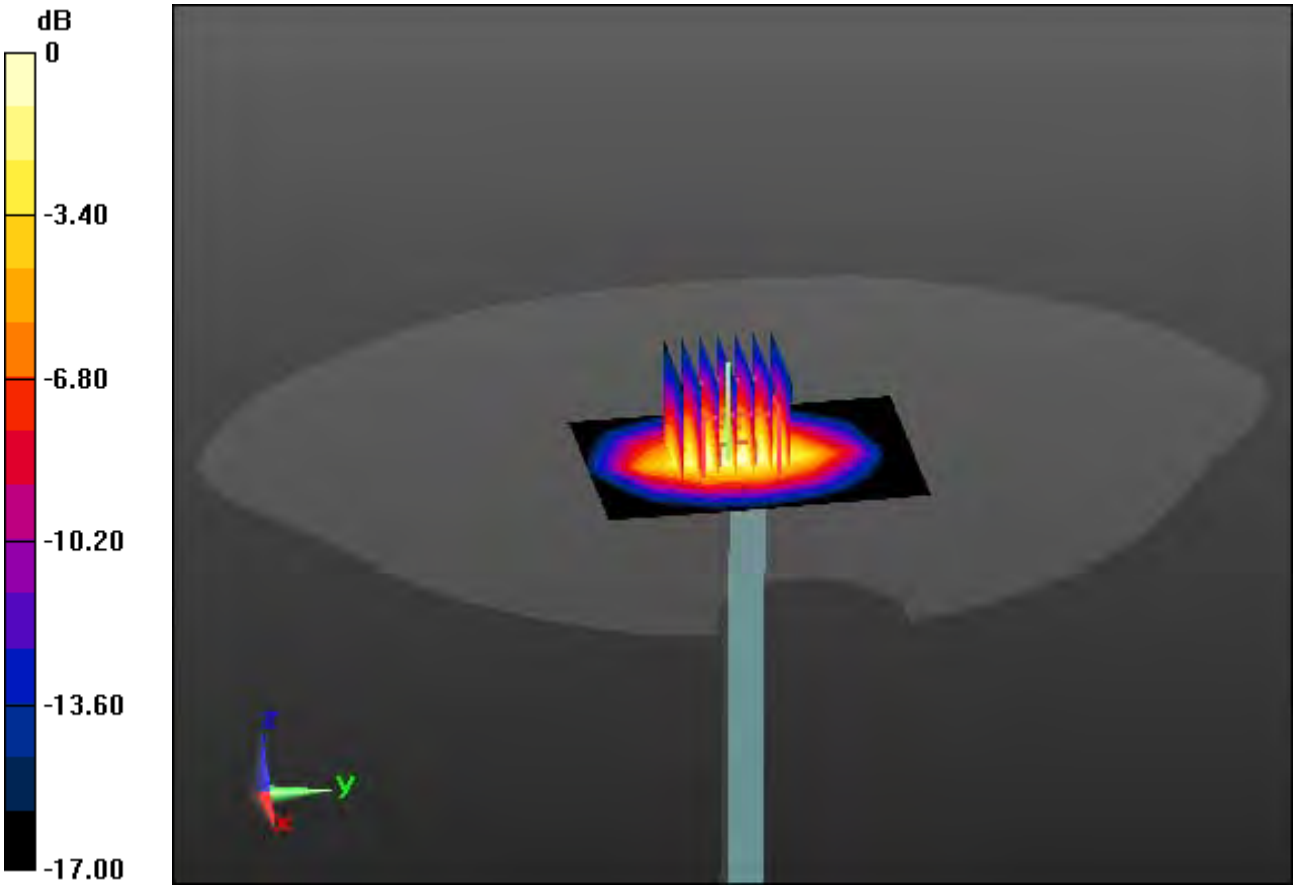
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.379 S/m; ε_r = 40.178; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.56, 5.56, 5.56); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-26; Ambient Temp: 21.4; Tissue Temp: 21.8

1800 MHz System Head Verification (250 mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 9.68 W/kg; SAR(10 g) = 5.05 W/kg



0 dB = 13.8 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d047

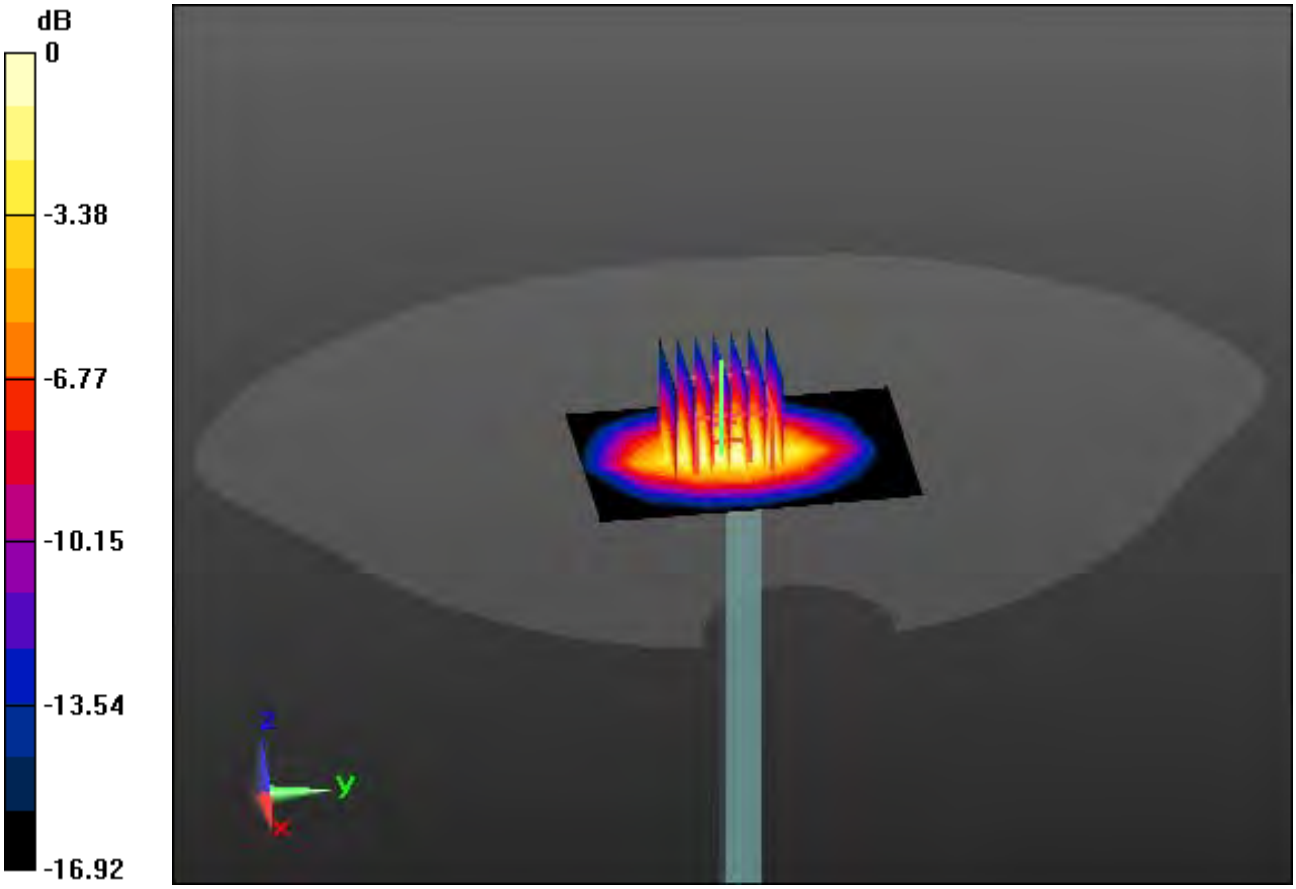
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.539 S/m; ε_r = 52.968; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.18, 5.18, 5.18); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-26; Ambient Temp: 21.4; Tissue Temp: 21.6

1800 MHz System Body Verification (250 mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 18.0 W/kg
SAR(1 g) = 9.61 W/kg; SAR(10 g) = 4.98 W/kg



0 dB = 13.9 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

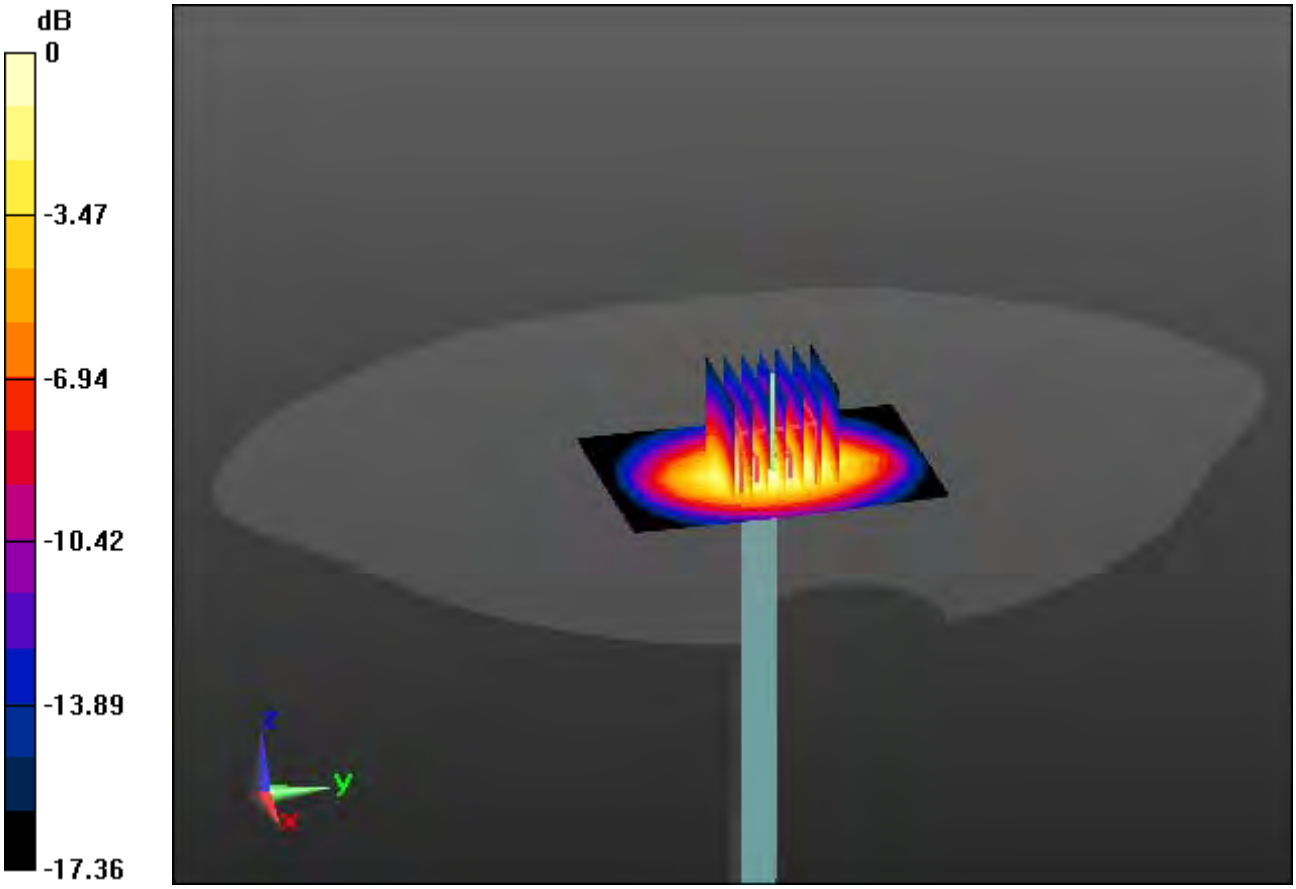
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.394 S/m; ε_r = 40.264; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.29, 5.29, 5.29); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-22; Ambient Temp: 21.2; Tissue Temp: 21.3

1900 MHz System Head Verification (250 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 9.14 W/kg; SAR(10 g) = 4.84 W/kg



0 dB = 11.6 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

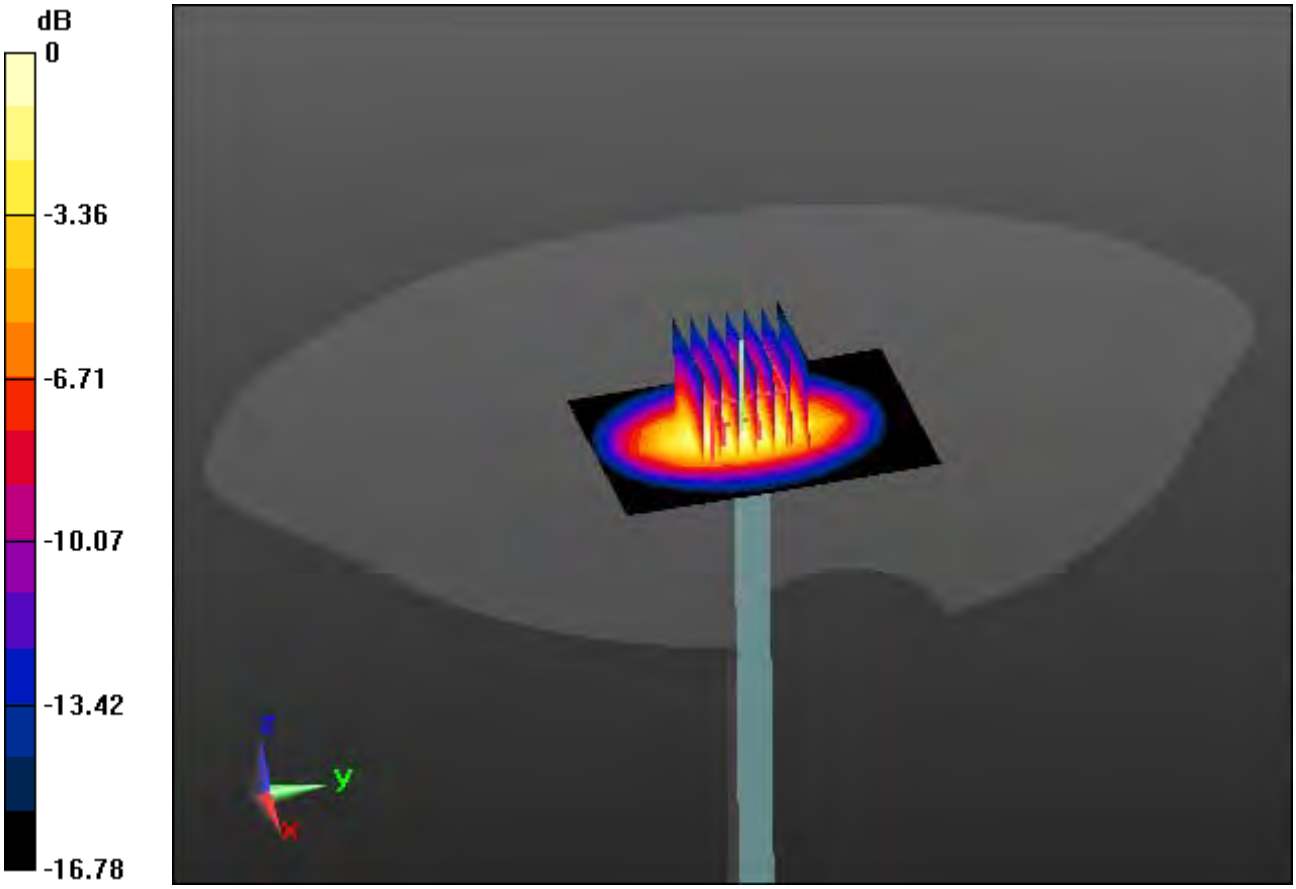
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.539 S/m; ε_r = 53.093; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.92, 4.92, 4.92); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-23; Ambient Temp: 21.3; Tissue Temp: 21.4

1900 MHz System Body Verification (250 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 18.1 W/kg
SAR(1 g) = 9.75 W/kg; SAR(10 g) = 5.05 W/kg



0 dB = 13.9 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

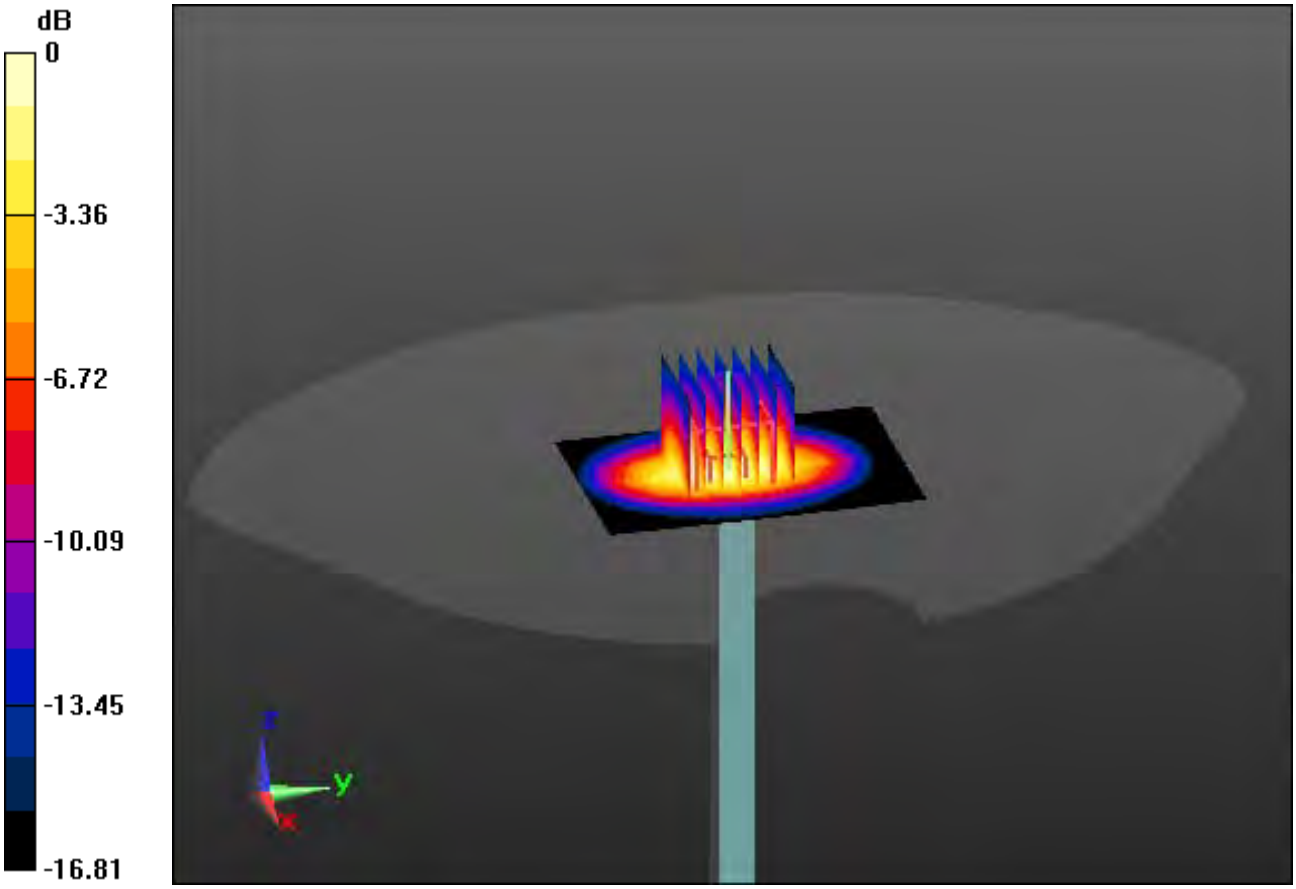
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.542 S/m; ε_r = 53.084; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.92, 4.92, 4.92); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-24; Ambient Temp: 21.1; Tissue Temp: 21.6

1900 MHz System Body Verification (250 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 18.4 W/kg
SAR(1 g) = 9.77 W/kg; SAR(10 g) = 5.06 W/kg



0 dB = 14.1 W/kg

DT&C Co., Ltd.

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

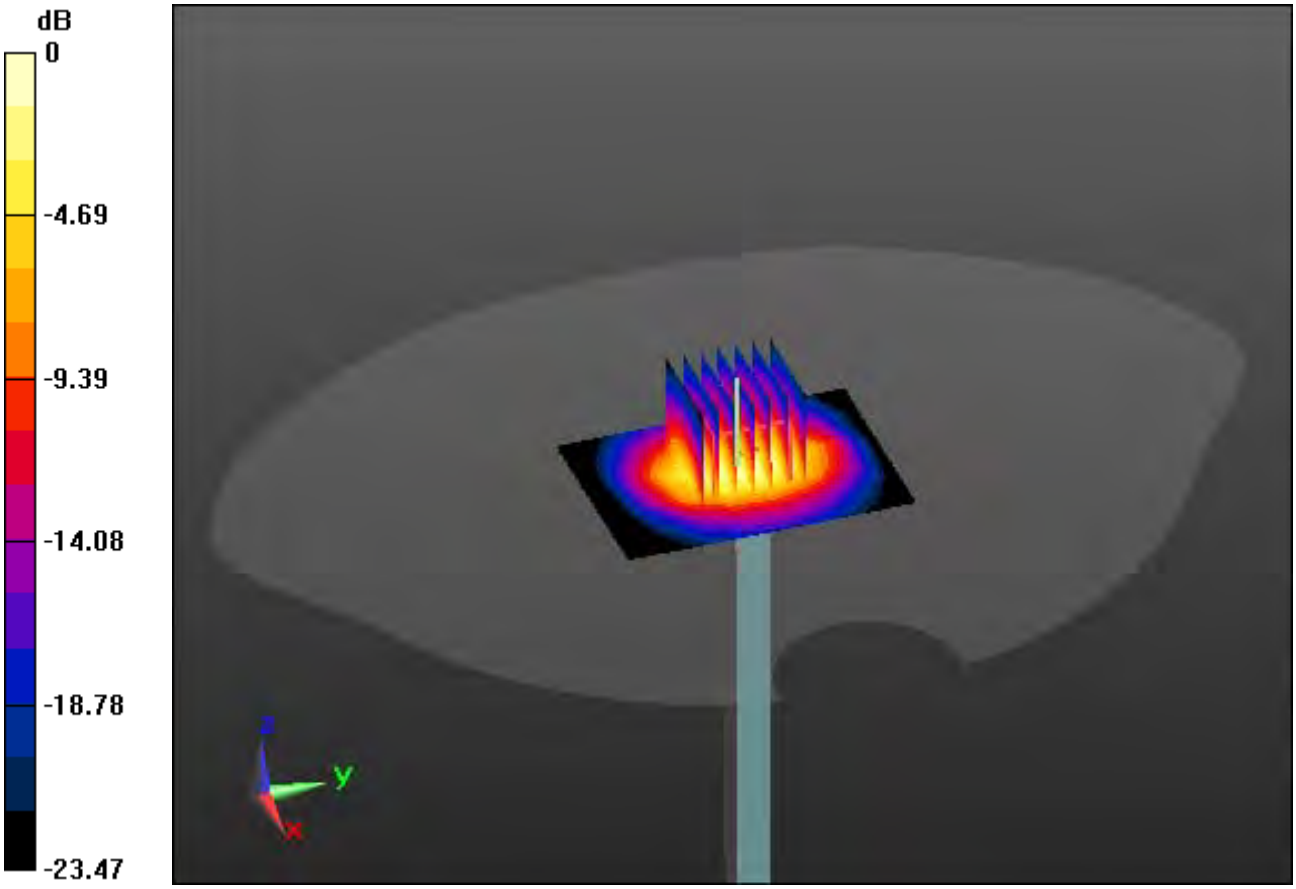
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.839 S/m; ε_r = 39.229; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.65, 4.65, 4.65); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-28; Ambient Temp: 21.8; Tissue Temp: 22.1

2450 MHz System Head 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 = -0.06 dB
Peak SAR (extrapolated) = 11.38 W/kg
SAR(1 g) = 5.26 W/kg; SAR(10 g) = 2.38 W/kg



0 dB = 8.16 W/kg

DT&C Co., Ltd.

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

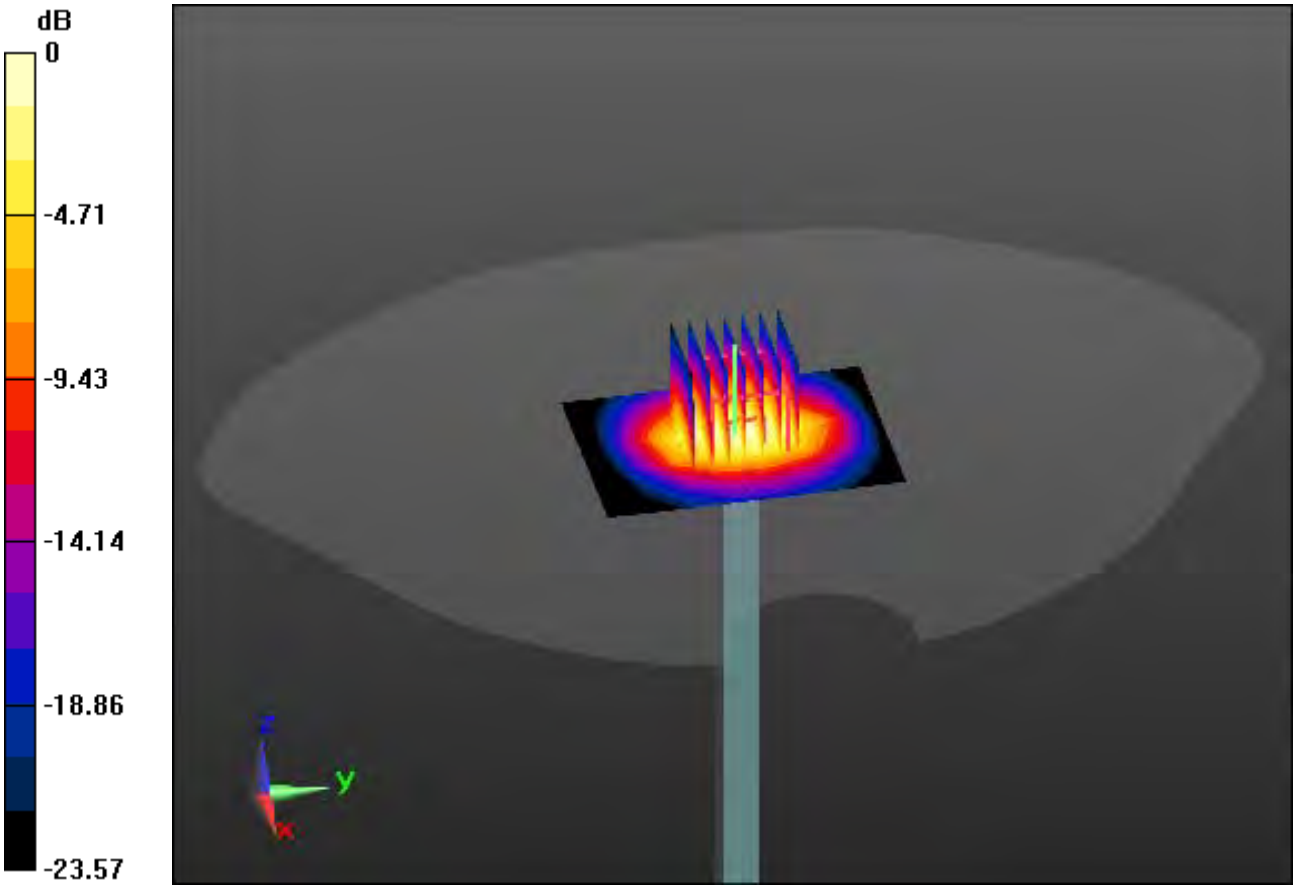
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.908 S/m; ε_r = 51.026; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.53, 4.53, 4.53); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-29; Ambient Temp: 21.6; Tissue Temp: 21.7

2450 MHz System Body 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 = 0.06 dB
Peak SAR (extrapolated) = 11.05 W/kg
SAR(1 g) = 5.16 W/kg; SAR(10 g) = 2.34 W/kg



0 dB = 7.96 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.887 S/m; ε_r = 41.92; ρ = 1000 kg/m^3

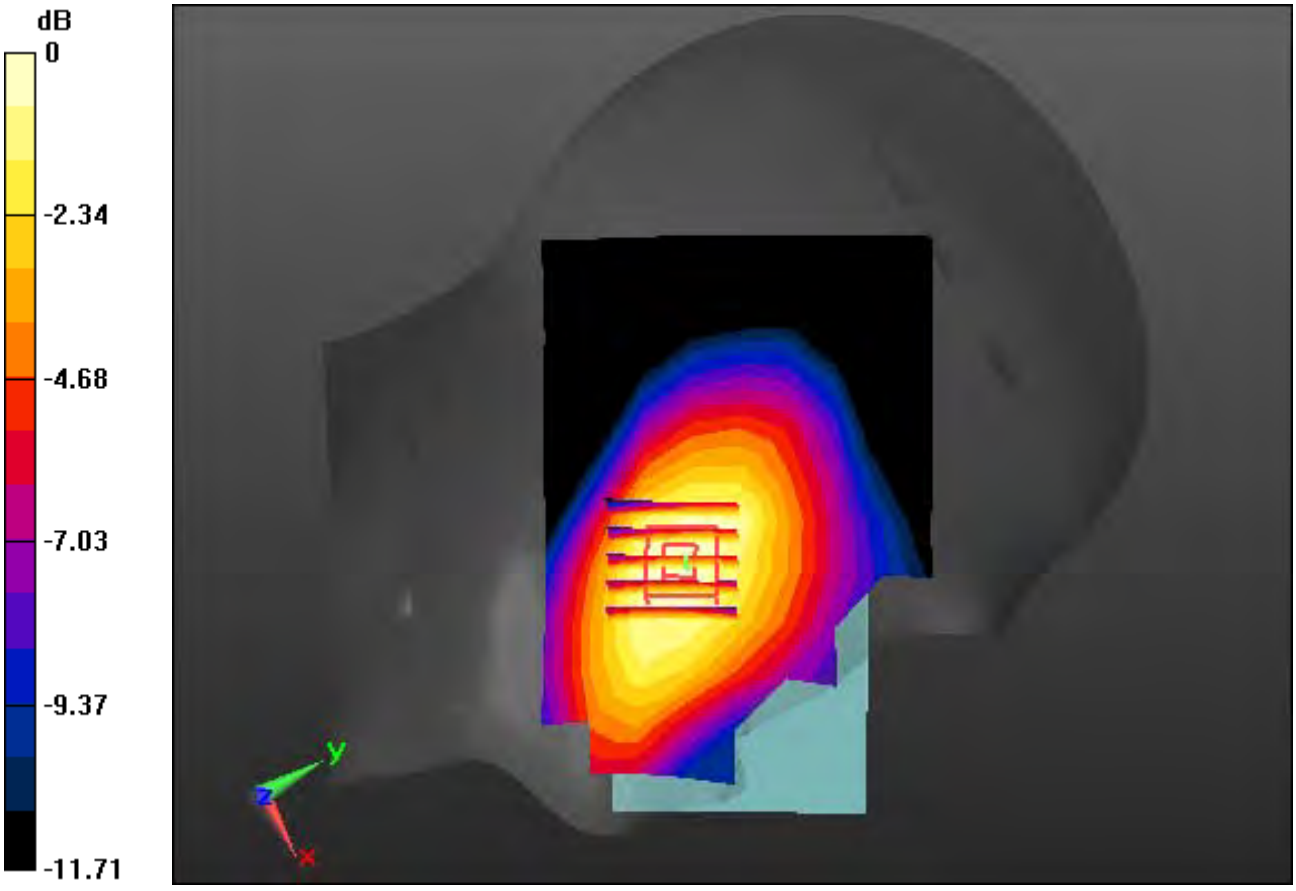
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-19; Ambient Temp: 21.0; Tissue Temp: 21.3

Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.117 W/kg



0 dB = 0.168 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.887 S/m; ε_r = 41.92; ρ = 1000 kg/m^3

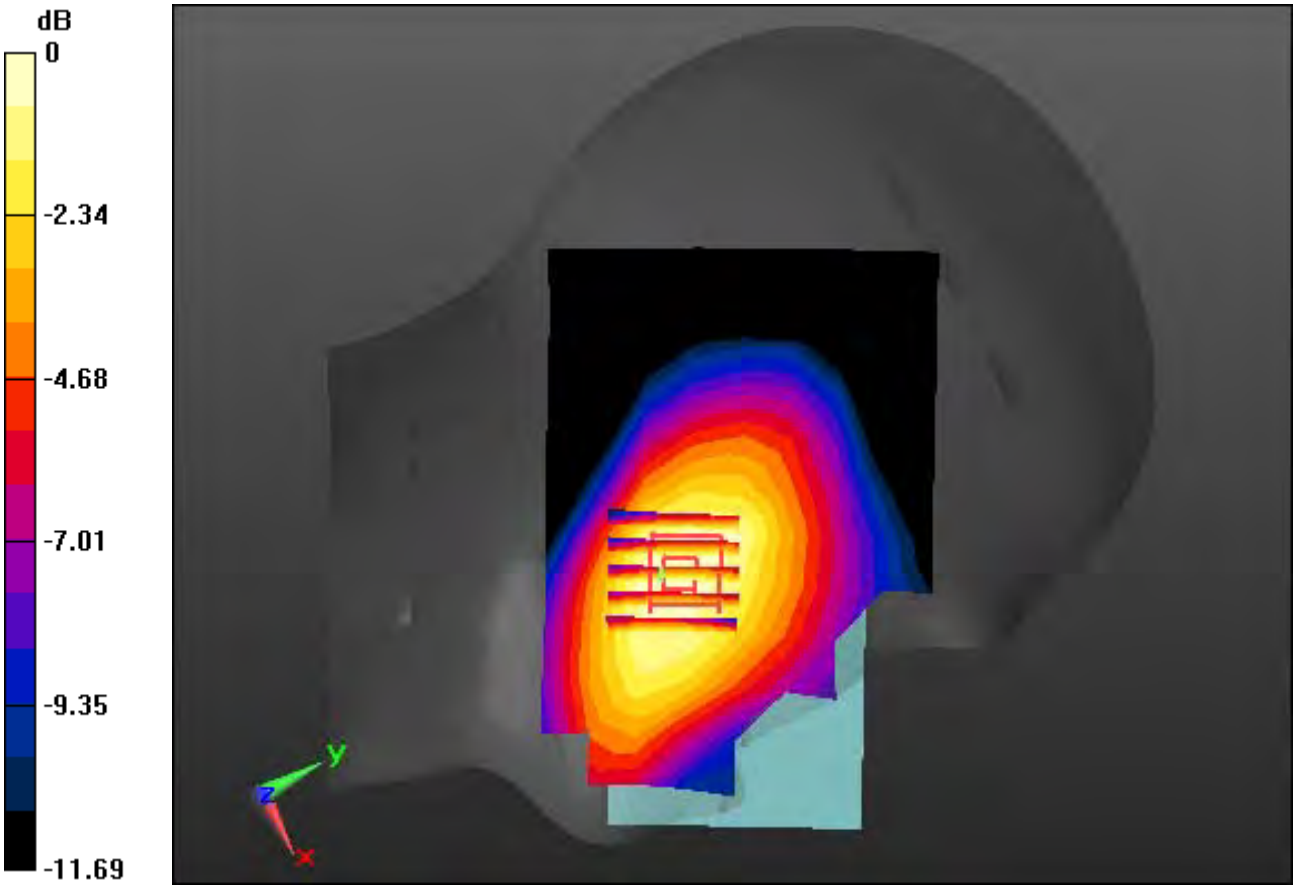
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-19; Ambient Temp: 21.0; Tissue Temp: 21.3

Left Touch, GSM850 GPRS 4 Tx, Ch. 190, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.305 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.179 W/kg



0 dB = 0.255 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.377 S/m; ε_r = 40.305; ρ = 1000 kg/m^3

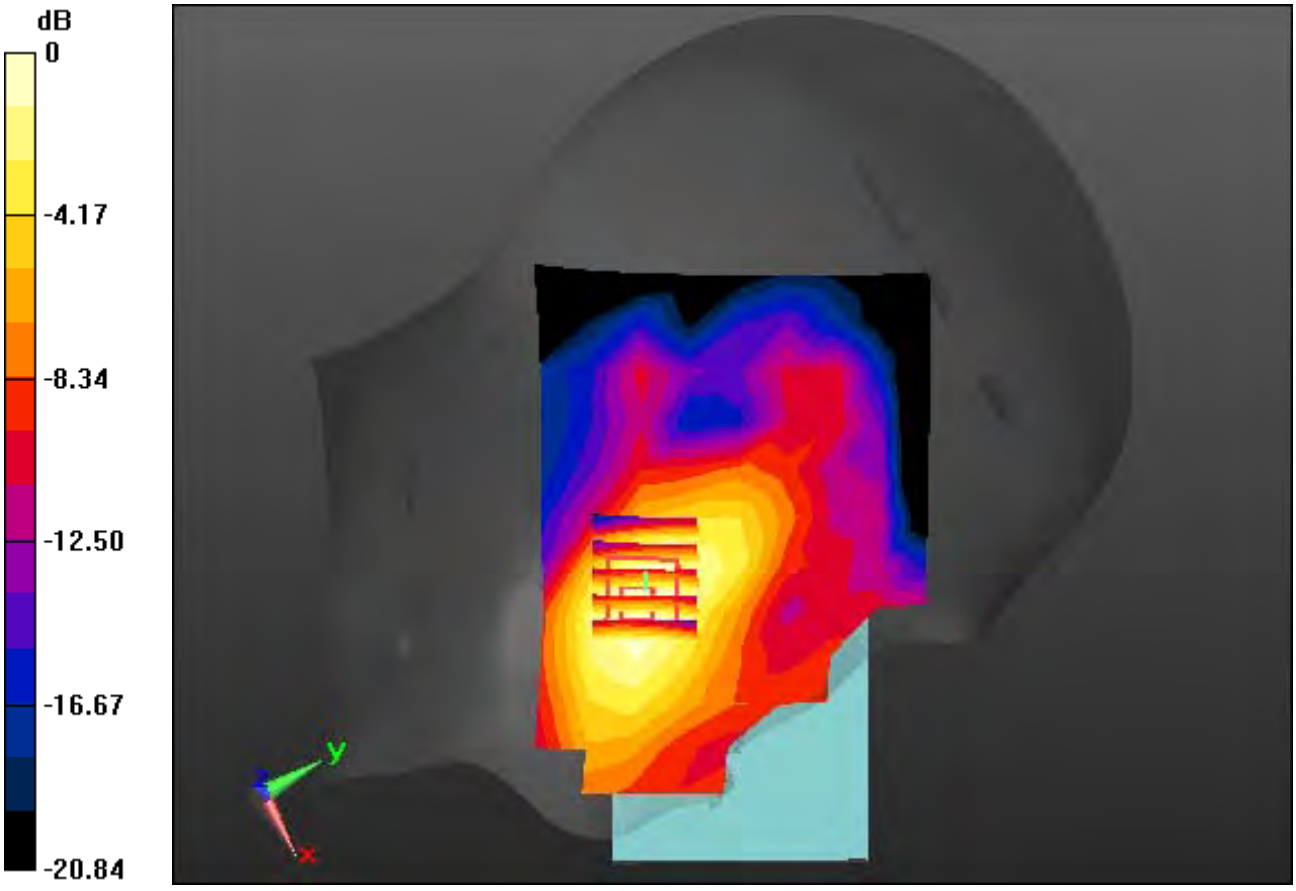
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.29, 5.29, 5.29); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-22; Ambient Temp: 21.2; Tissue Temp: 21.3

Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.068 W/kg



0 dB = 0.124 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.377 S/m; ε_r = 40.305; ρ = 1000 kg/m^3

Phantom section: Left Section

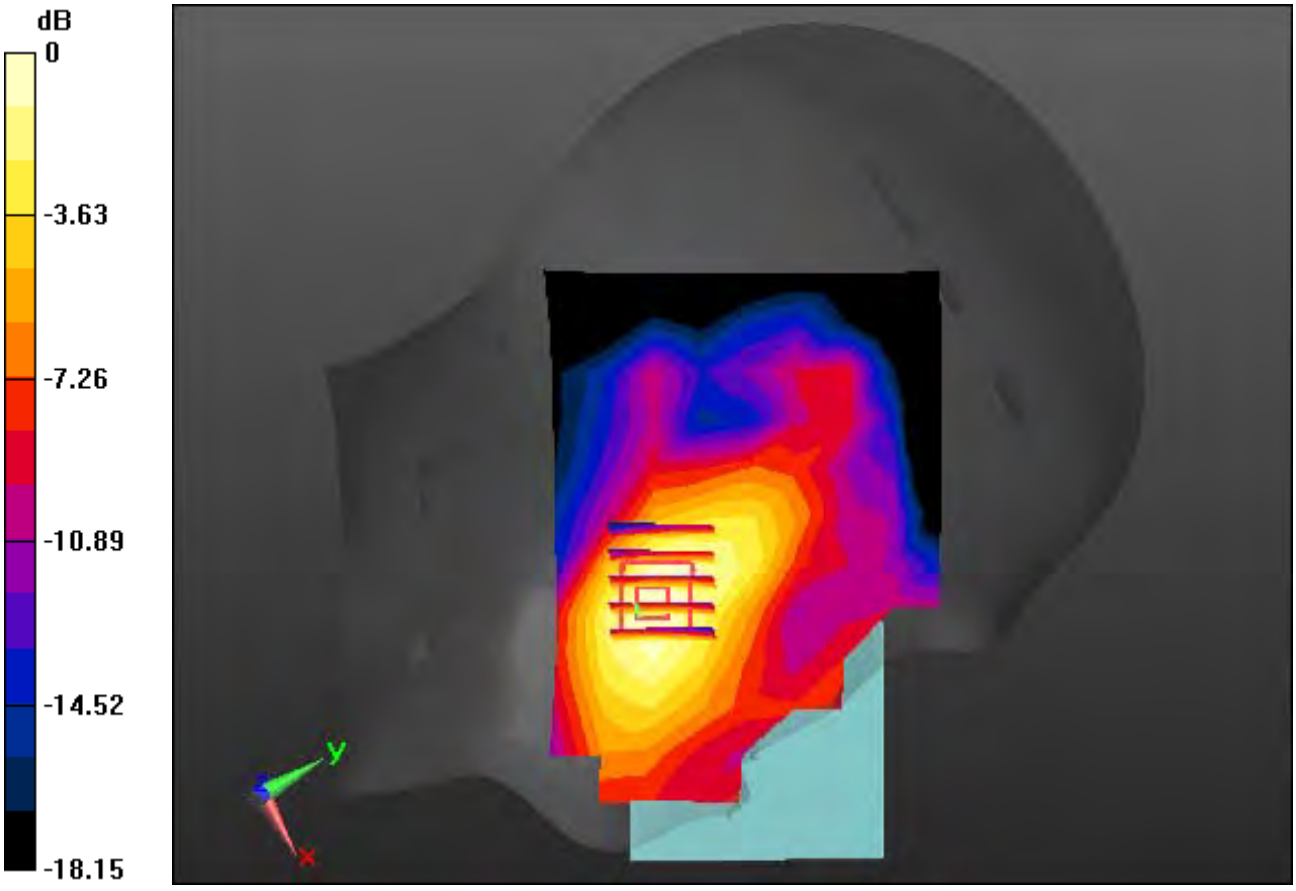
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.29, 5.29, 5.29); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-22; Ambient Temp: 21.2; Tissue Temp: 21.3

Left Touch, PCS1900 GPRS 4 Tx, Ch. 661, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.264 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.108 W/kg



0 dB = 0.194 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.887 S/m; ε_r = 41.92; ρ = 1000 kg/m^3
Phantom section: Left Section

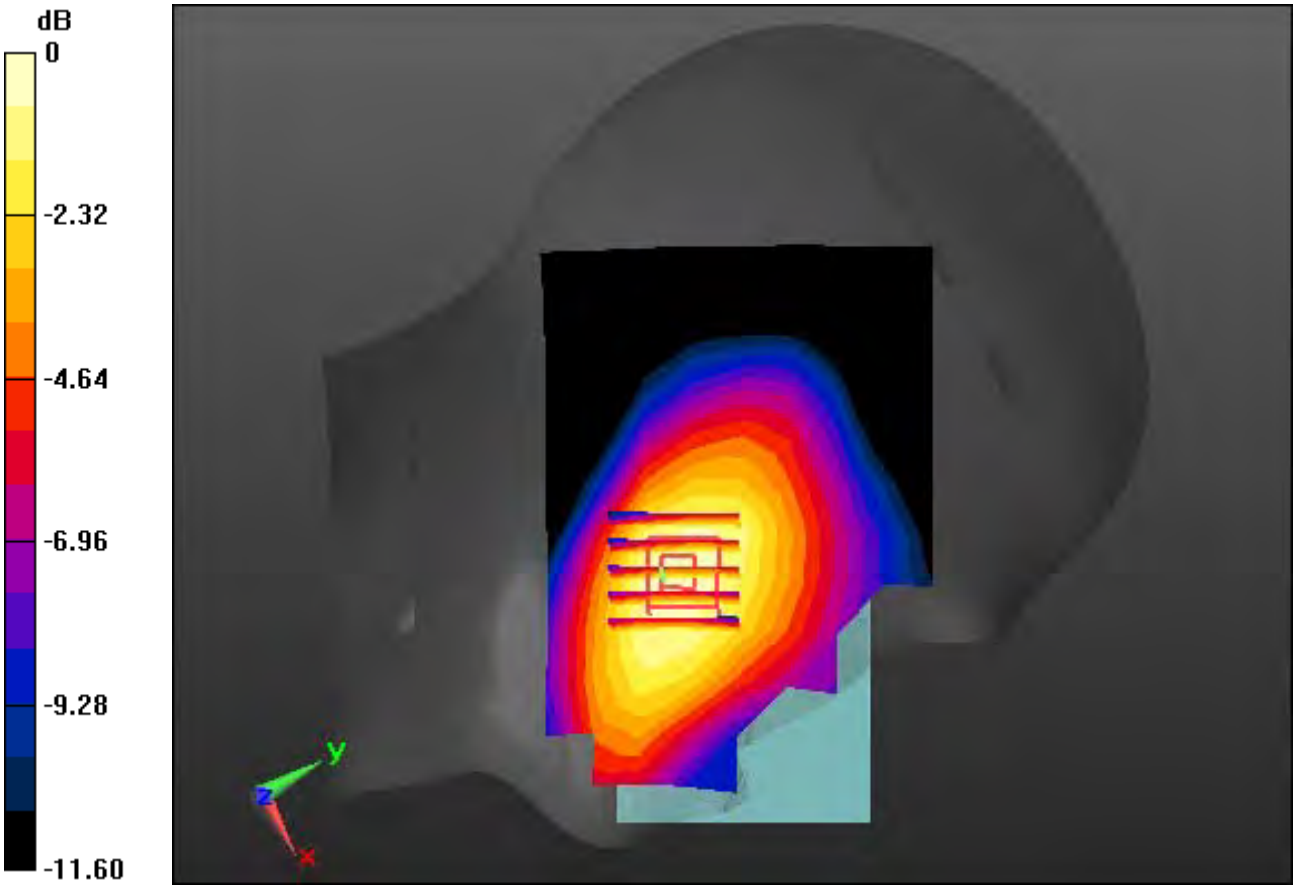
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-19; Ambient Temp: 21.0; Tissue Temp: 21.3

Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.326 W/kg
SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.188 W/kg



0 dB = 0.271 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

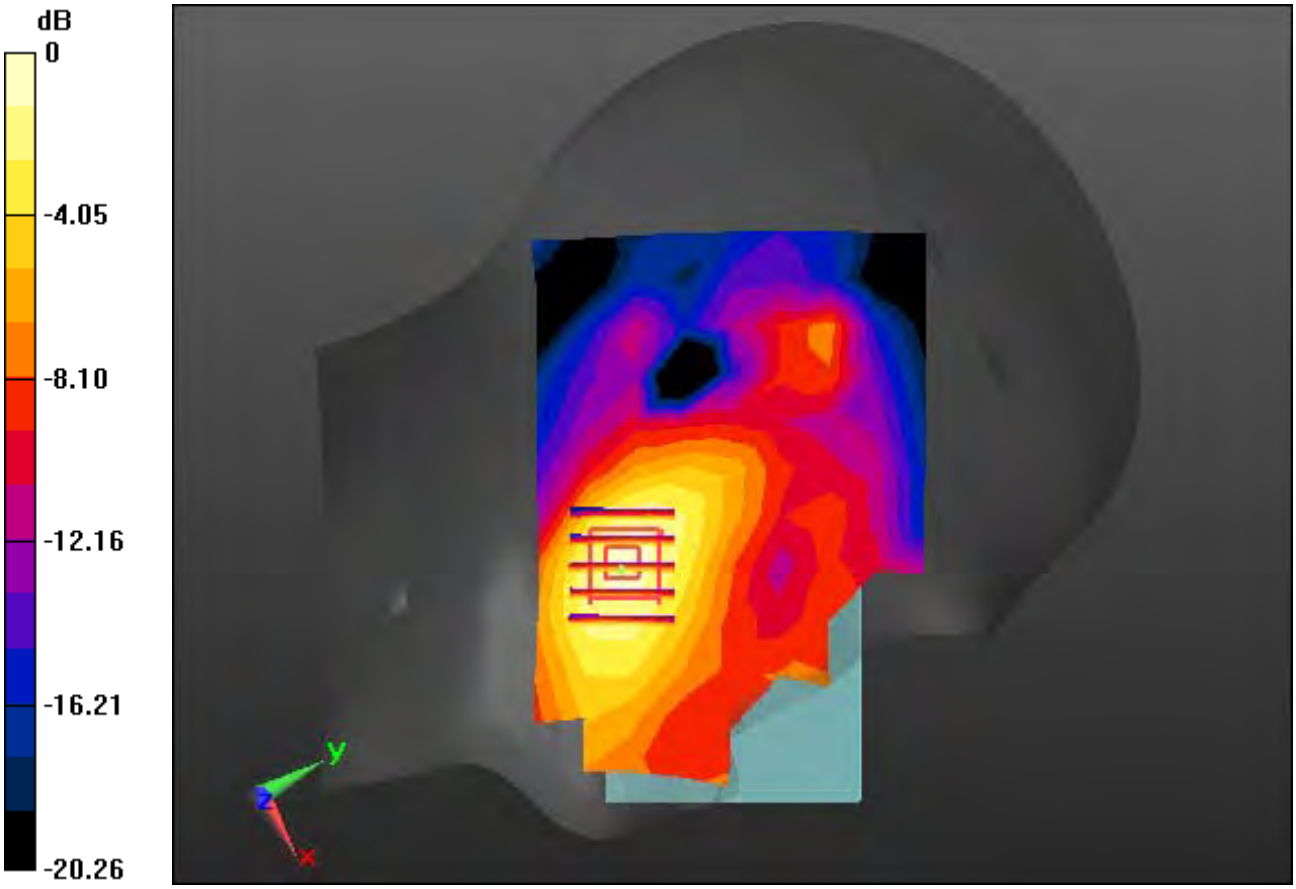
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.377 S/m; ε_r = 40.305; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.29, 5.29, 5.29); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-22; Ambient Temp: 21.2; Tissue Temp: 21.3

Left Touch, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.130 W/kg
SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.050 W/kg



0 dB = 0.0972 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.876 S/m; ε_r = 42.279; ρ = 1000 kg/m^3
Phantom section: Left Section

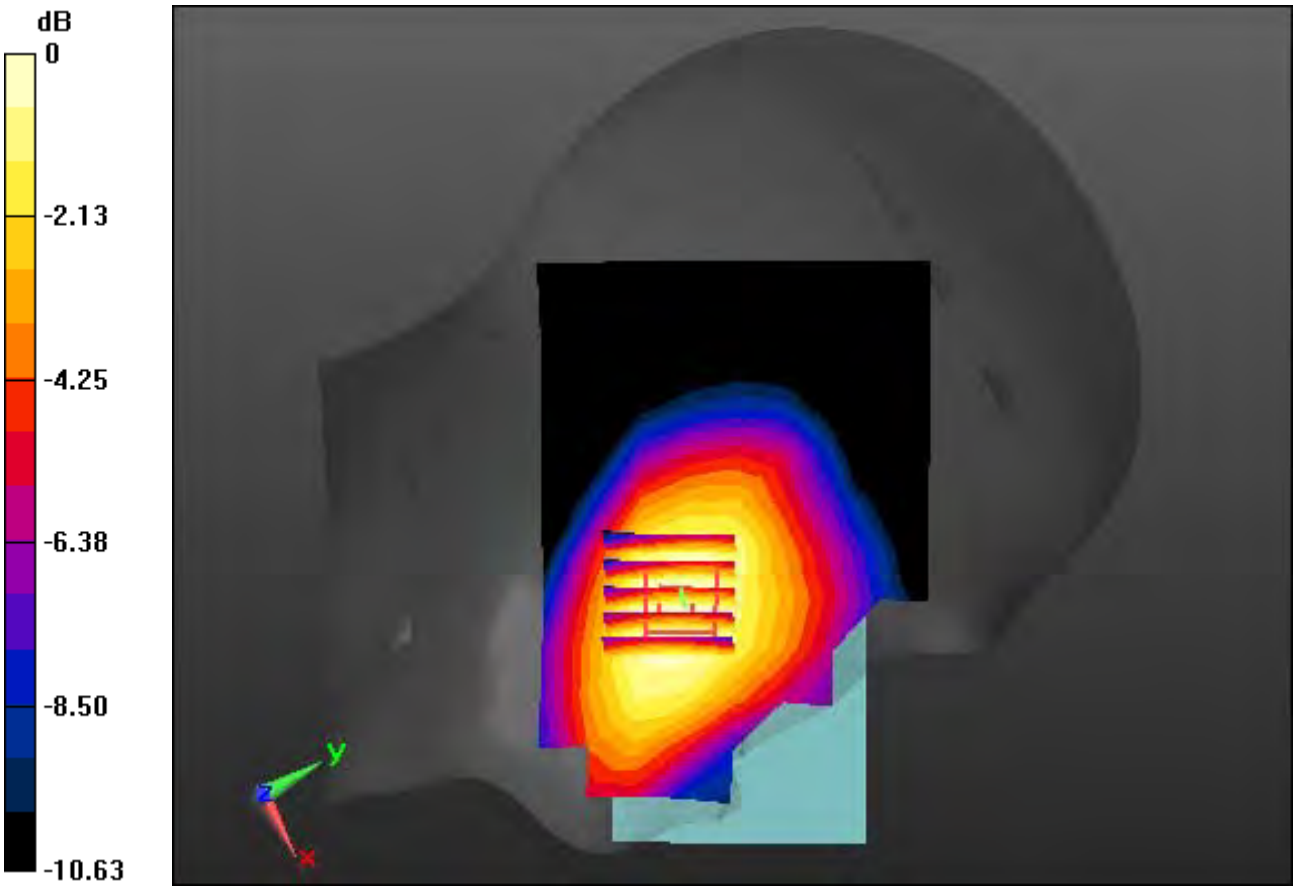
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.72, 6.72, 6.72); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-27; Ambient Temp: 21.5; Tissue Temp: 21.7

Left Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.111 W/kg



0 dB = 0.154 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, LTE Band 5(FCC) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.887 S/m; ε_r = 41.921; ρ = 1000 kg/m^3
Phantom section: Left Section

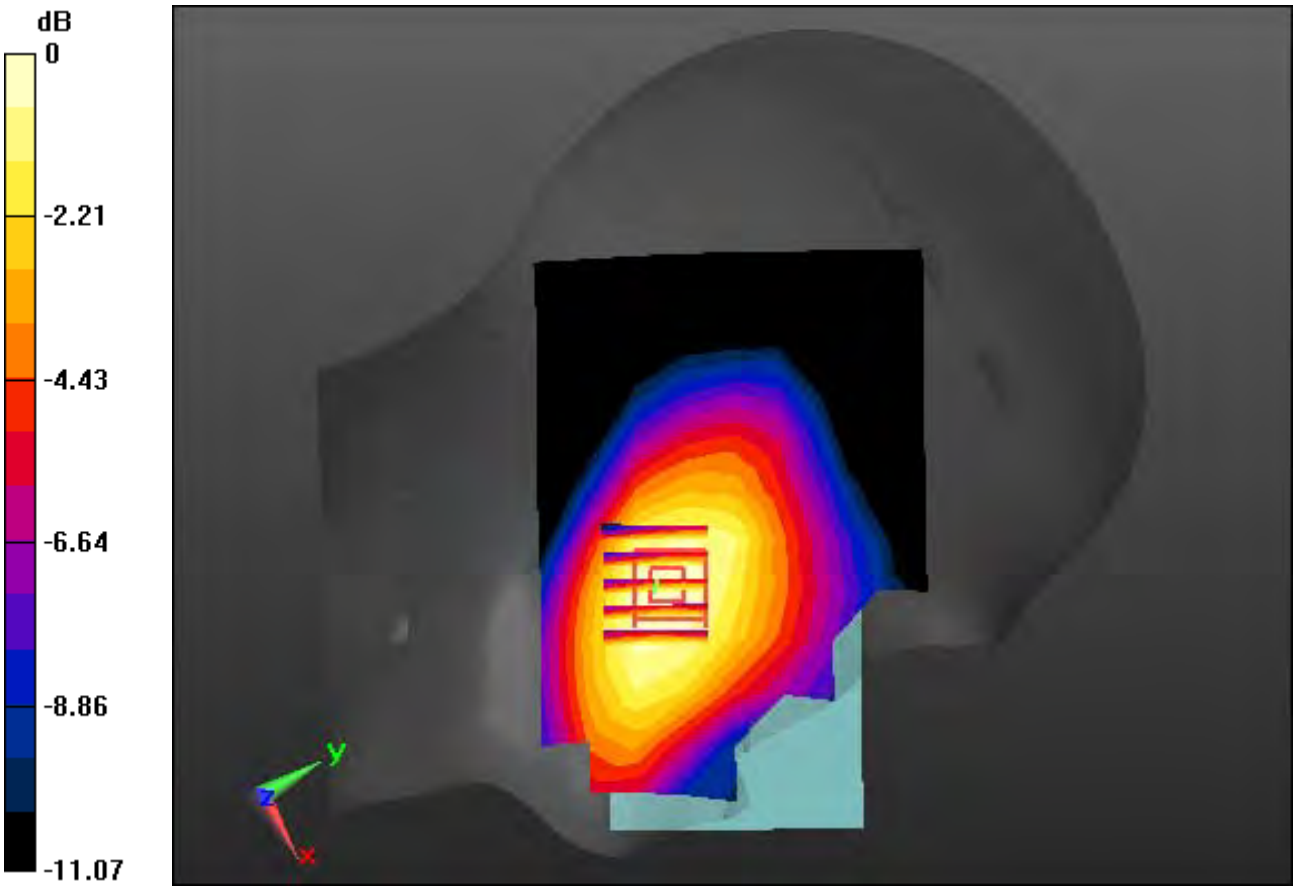
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.49, 6.49, 6.49); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-19; Ambient Temp: 21.0; Tissue Temp: 21.3

Left Touch, LTE Band 5 Ch. 20525, Ant Internal, Standard Battery

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.209 W/kg



0 dB = 0.303 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, LTE Band 4 (FCC) (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.322 S/m; ε_r = 40.447; ρ = 1000 kg/m^3
Phantom section: Left Section

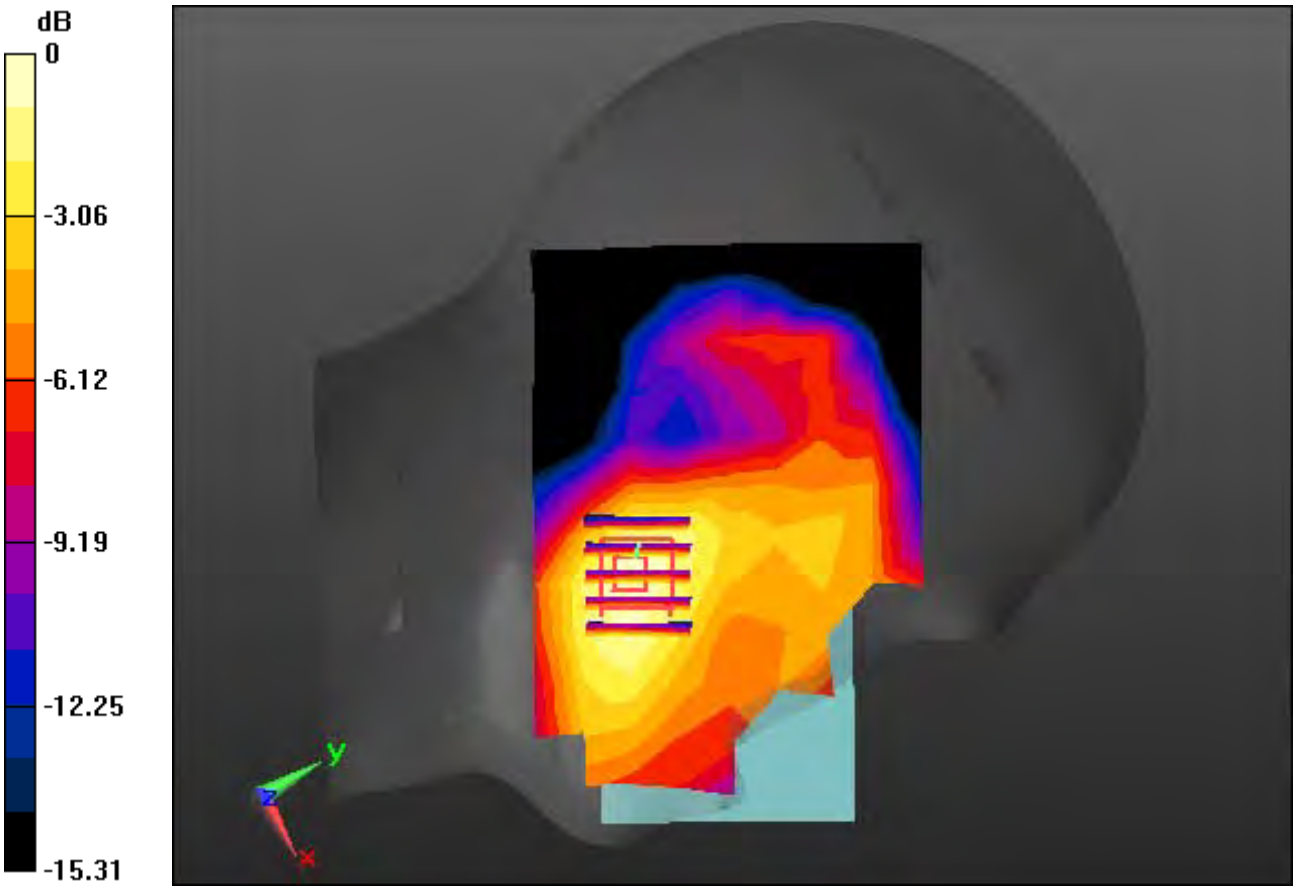
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.56, 5.56, 5.56); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-26; Ambient Temp: 21.4; Tissue Temp: 21.8

Left Touch, LTE Band 4 Ch. 20175, Ant Internal, Standard Battery

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.139 W/kg
SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.054 W/kg



0 dB = 0.0991 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

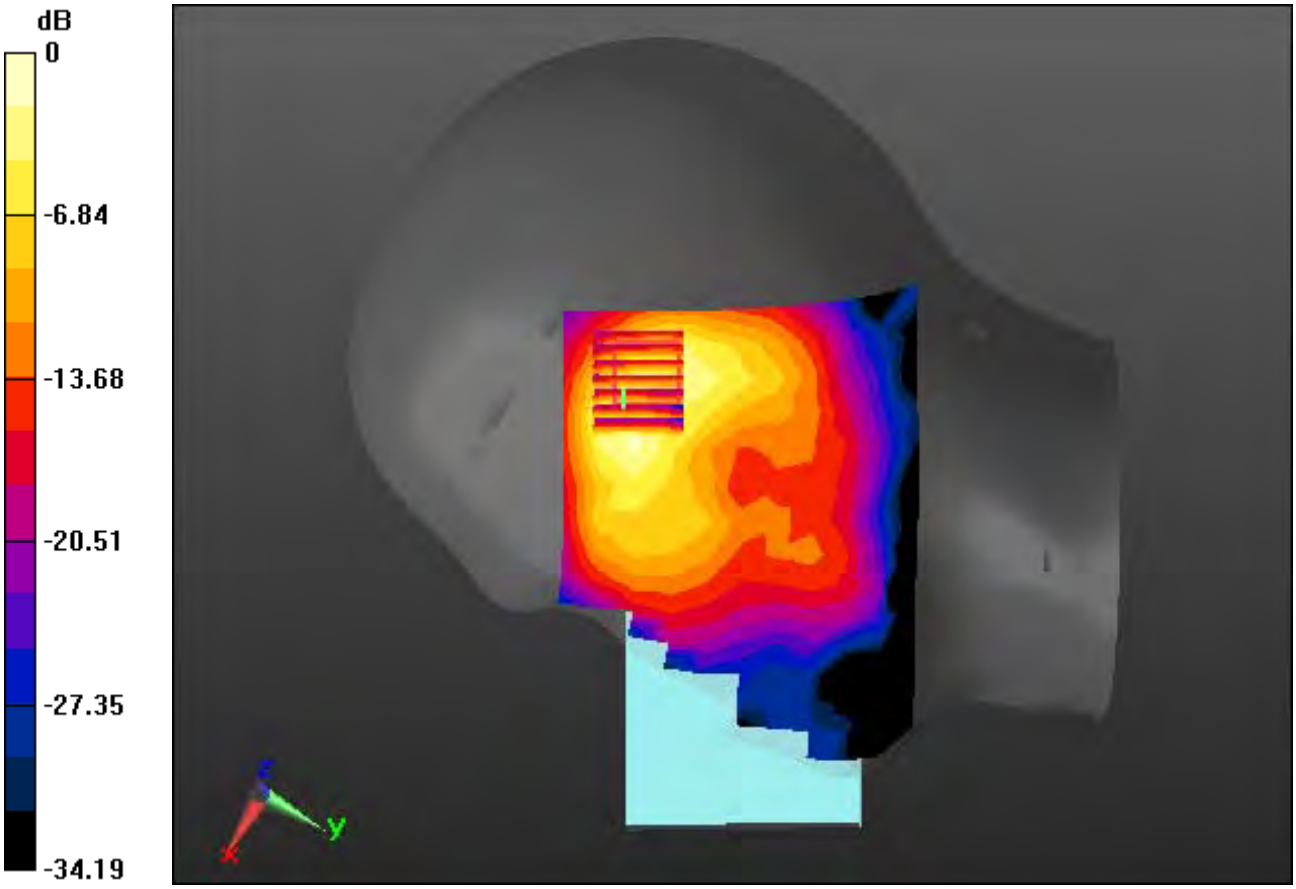
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.824 S/m; ε_r = 39.276; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.65, 4.65, 4.65); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-28; Ambient Temp: 21.8; Tissue Temp: 22.1

Right Touch, W-LAN(802.11b) Ch. 6, 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 = 0.04 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.363 W/kg



0 dB = 1.09 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium parameters used: f = 2441 MHz; σ = 1.829 S/m; ε_r = 39.263; ρ = 1000 kg/m^3

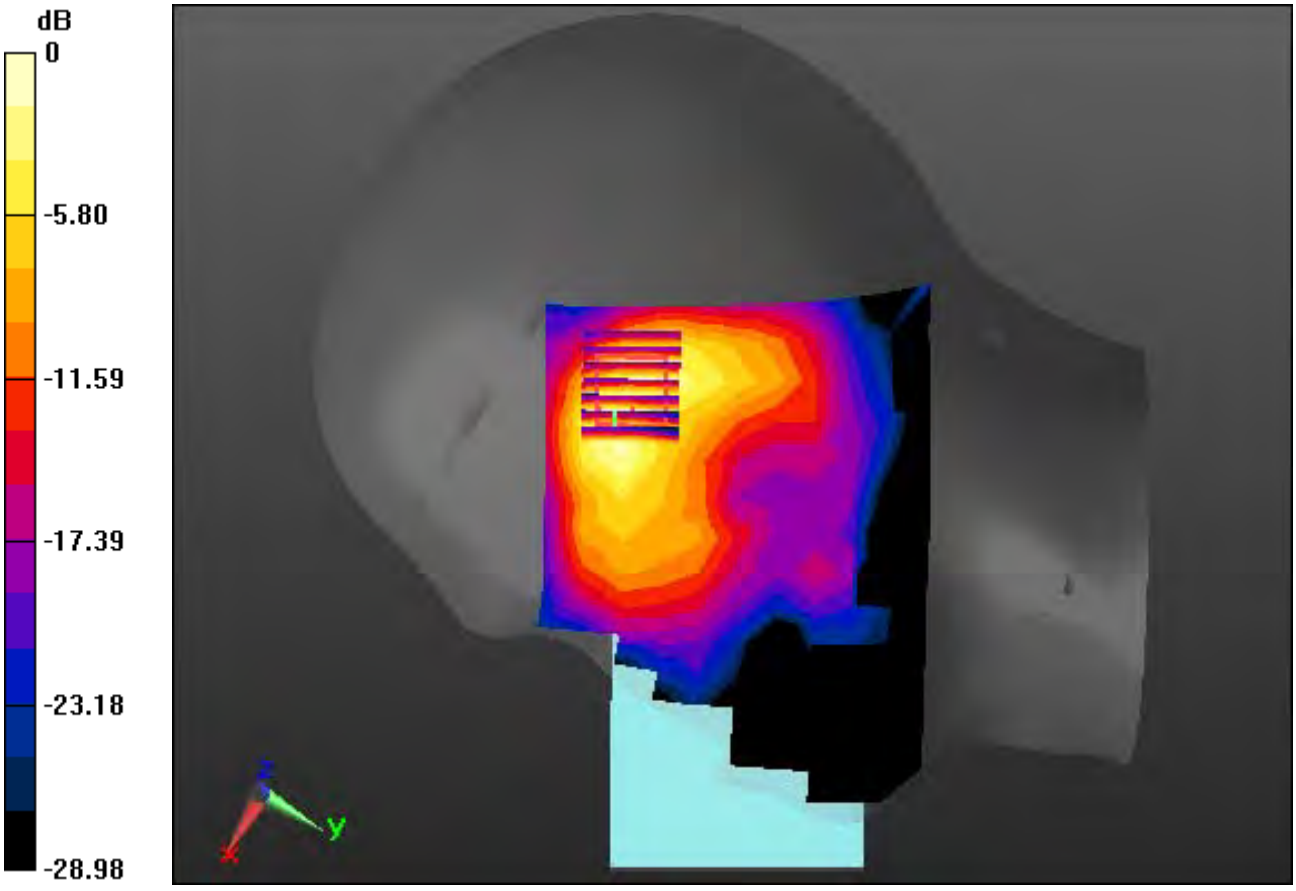
Phantom section: Right Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.65, 4.65, 4.65); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-28; Ambient Temp: 21.8; Tissue Temp: 22.1

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 = 0.07 dB
Peak SAR (extrapolated) = 0.482 W/kg
SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.085 W/kg



0 dB = 0.270 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.976 S/m; ε_r = 54.753; ρ = 1000 kg/m^3

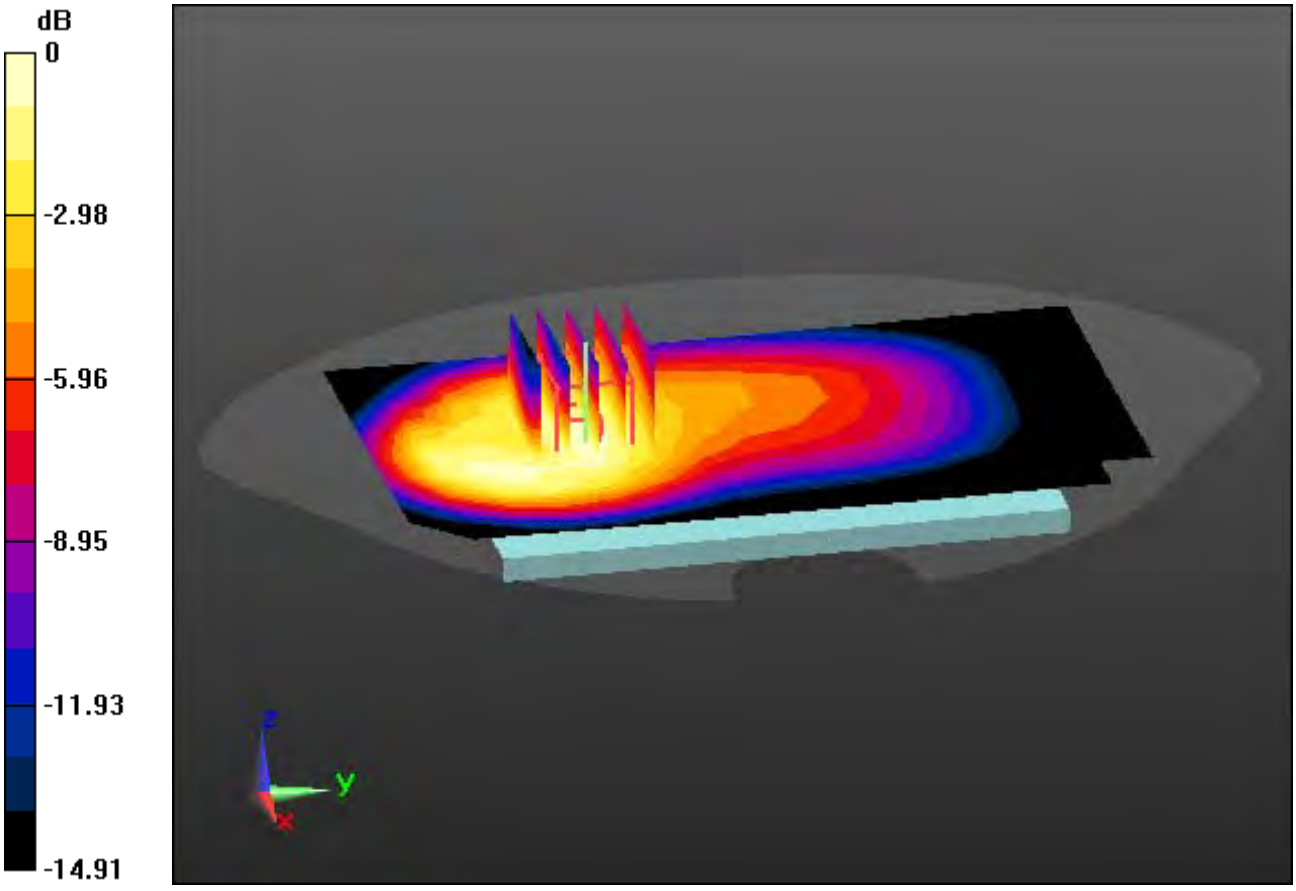
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.31, 6.31, 6.31); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-20; Ambient Temp: 21.3; Tissue Temp: 21.9

1 cm space from Body, Front, GSM850 Ch. 190, Ant Internal

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.724 W/kg
SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.304 W/kg



0 dB = 0.526 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.976 S/m; ε_r = 54.753; ρ = 1000 kg/m^3

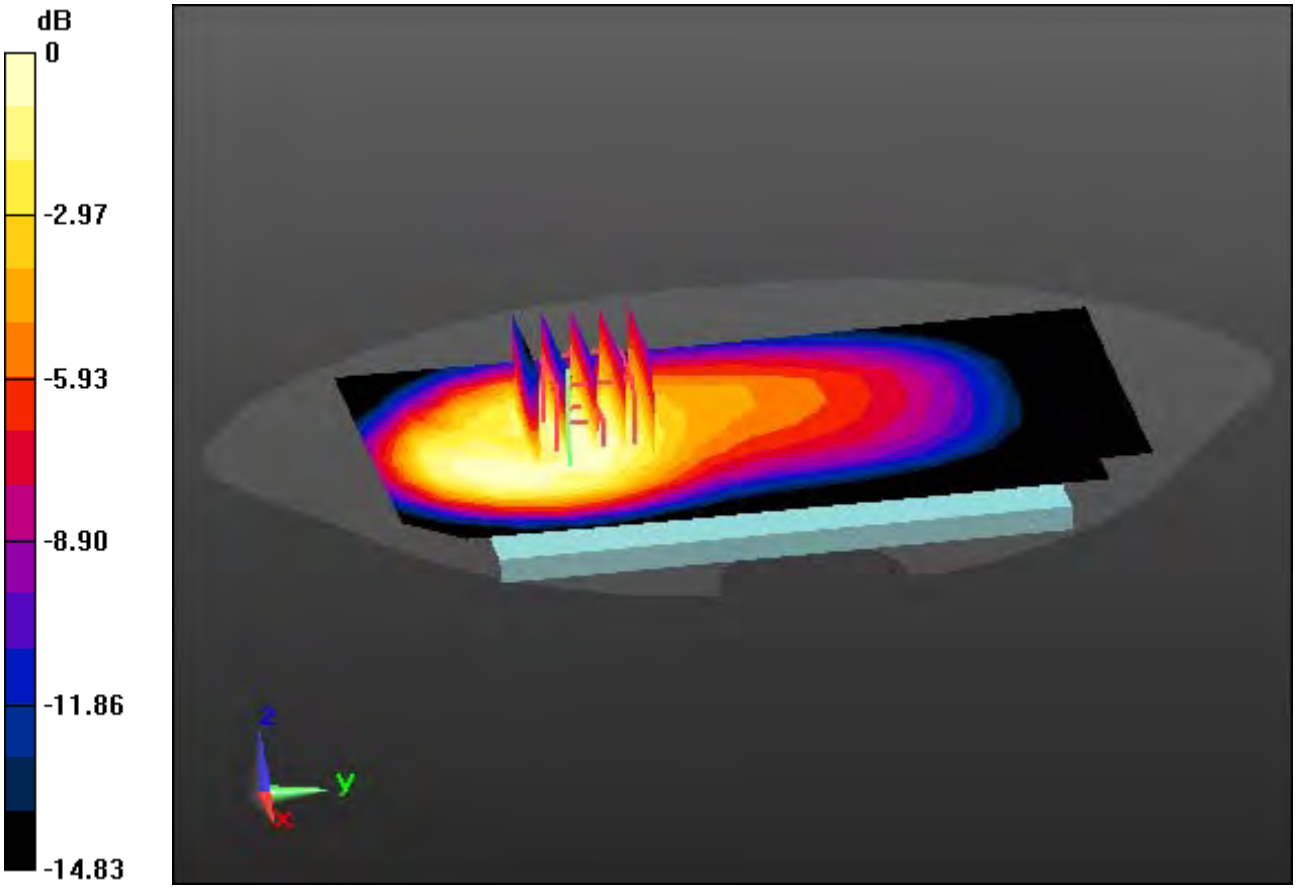
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.31, 6.31, 6.31); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-20; Ambient Temp: 21.3; Tissue Temp: 21.9

1 cm space from Body, Front, GSM850 GPRS 4 Tx, Ch. 190, Ant Internal

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.439 W/kg



0 dB = 0.765 W/kg

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.521 S/m; ε_r = 53.17; ρ = 1000 kg/m^3

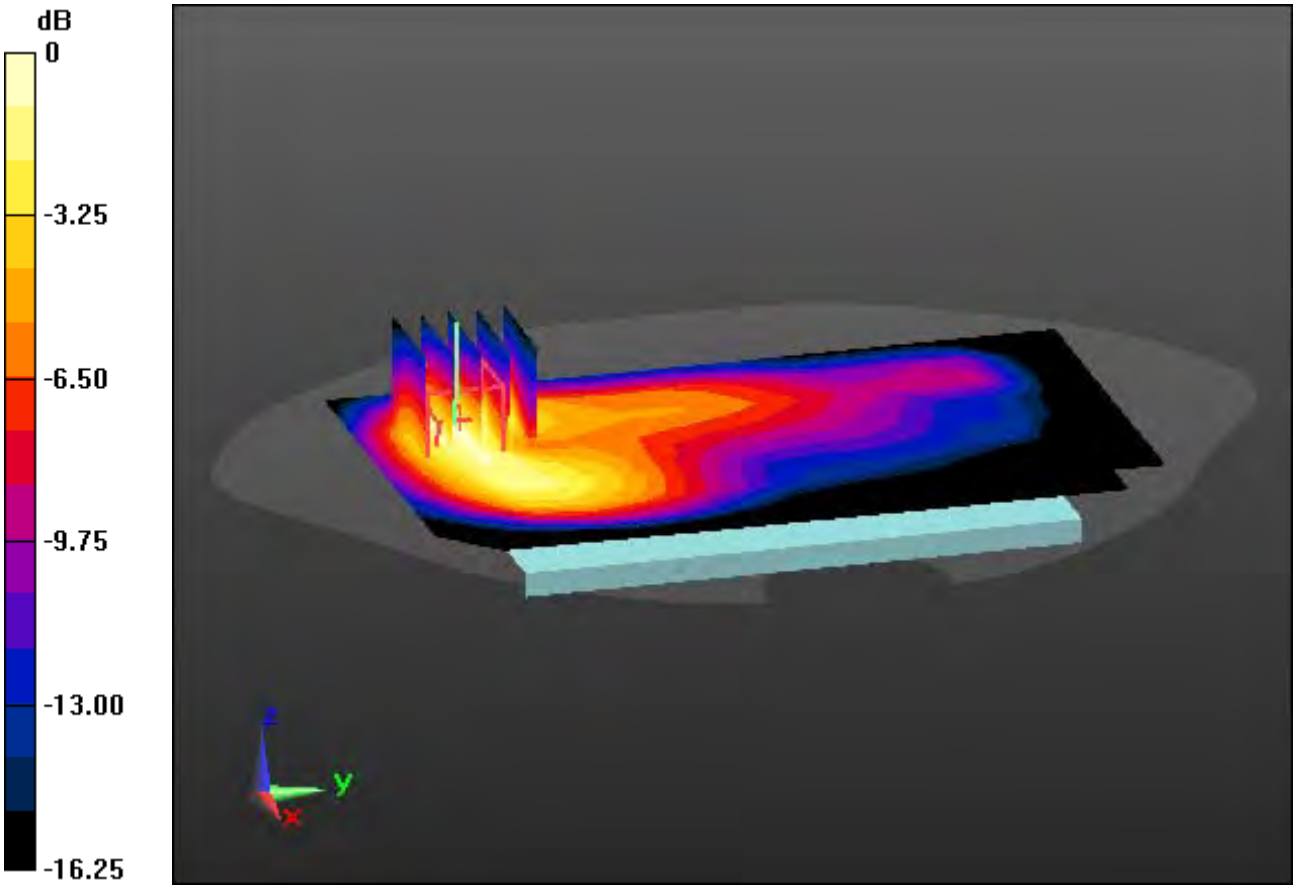
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.92, 4.92, 4.92); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-23; Ambient Temp: 21.3; Tissue Temp: 21.4

1 cm space from Body, Front, PCS1900 Ch. 661, Ant Internal

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.175 W/kg



0 dB = 0.387 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.521 S/m; ε_r = 53.17; ρ = 1000 kg/m^3

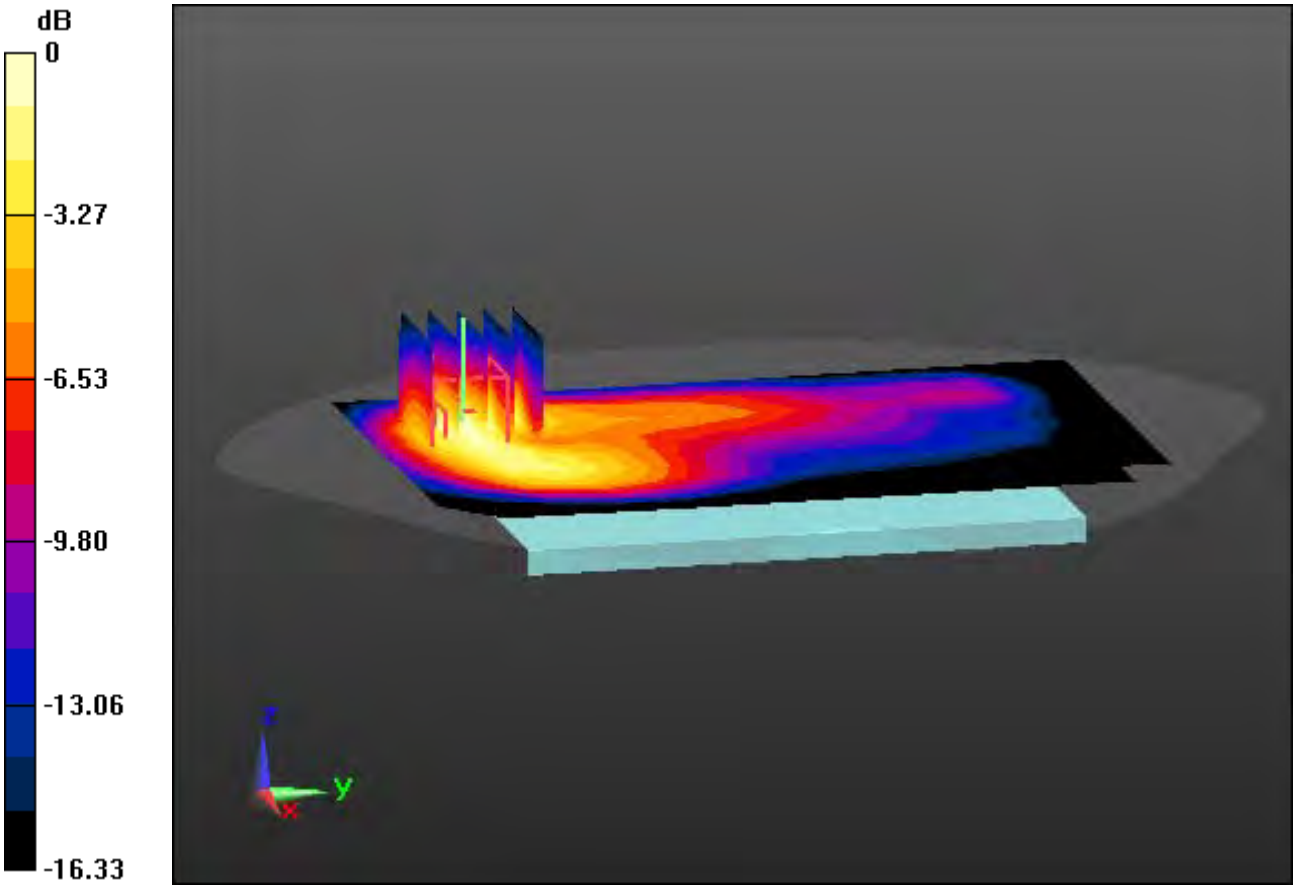
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.92, 4.92, 4.92); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-23; Ambient Temp: 21.3; Tissue Temp: 21.4

1 cm space from Body, Front, PCS1900 GPRS 4 Tx, Ch. 661, Ant Internal

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.962 W/kg
SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.278 W/kg



0 dB = 0.622 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

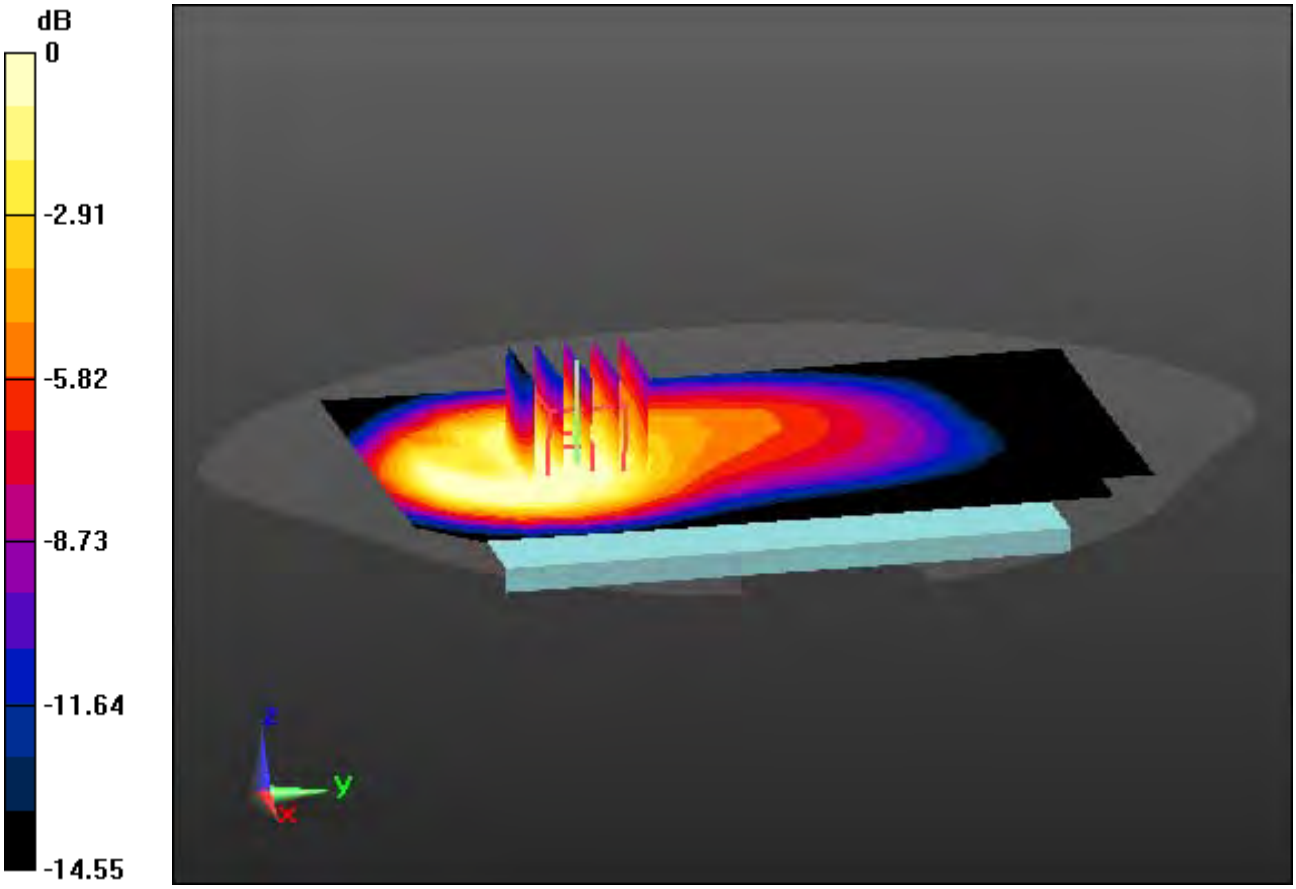
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.976 S/m; ε_r = 54.753; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.31, 6.31, 6.31); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-20; Ambient Temp: 21.3; Tissue Temp: 21.9

1 cm space from Body, Front, WCDMA850 Ch. 4183, Ant Internal

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.751 W/kg; SAR(10 g) = 0.486 W/kg



0 dB = 0.850 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

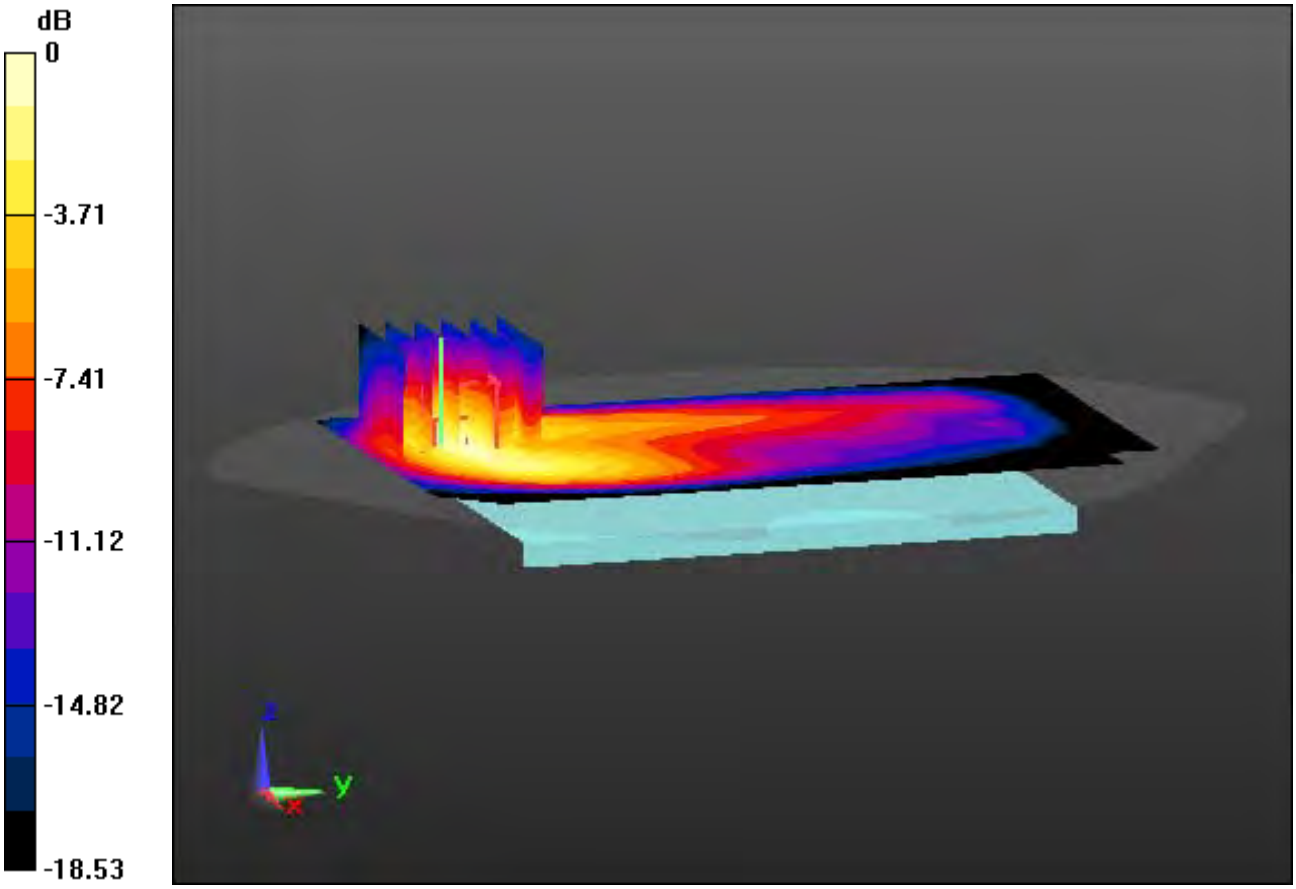
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.522 S/m; ε_r = 53.163; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.92, 4.92, 4.92); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-24; Ambient Temp: 21.1; Tissue Temp: 21.6

1 cm space from Body, Front, WCDMA1900 Ch. 9400, Ant Internal

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.128 W/kg



0 dB = 0.283 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.946 S/m; ε_r = 54.337; ρ = 1000 kg/m^3
Phantom section: Flat Section

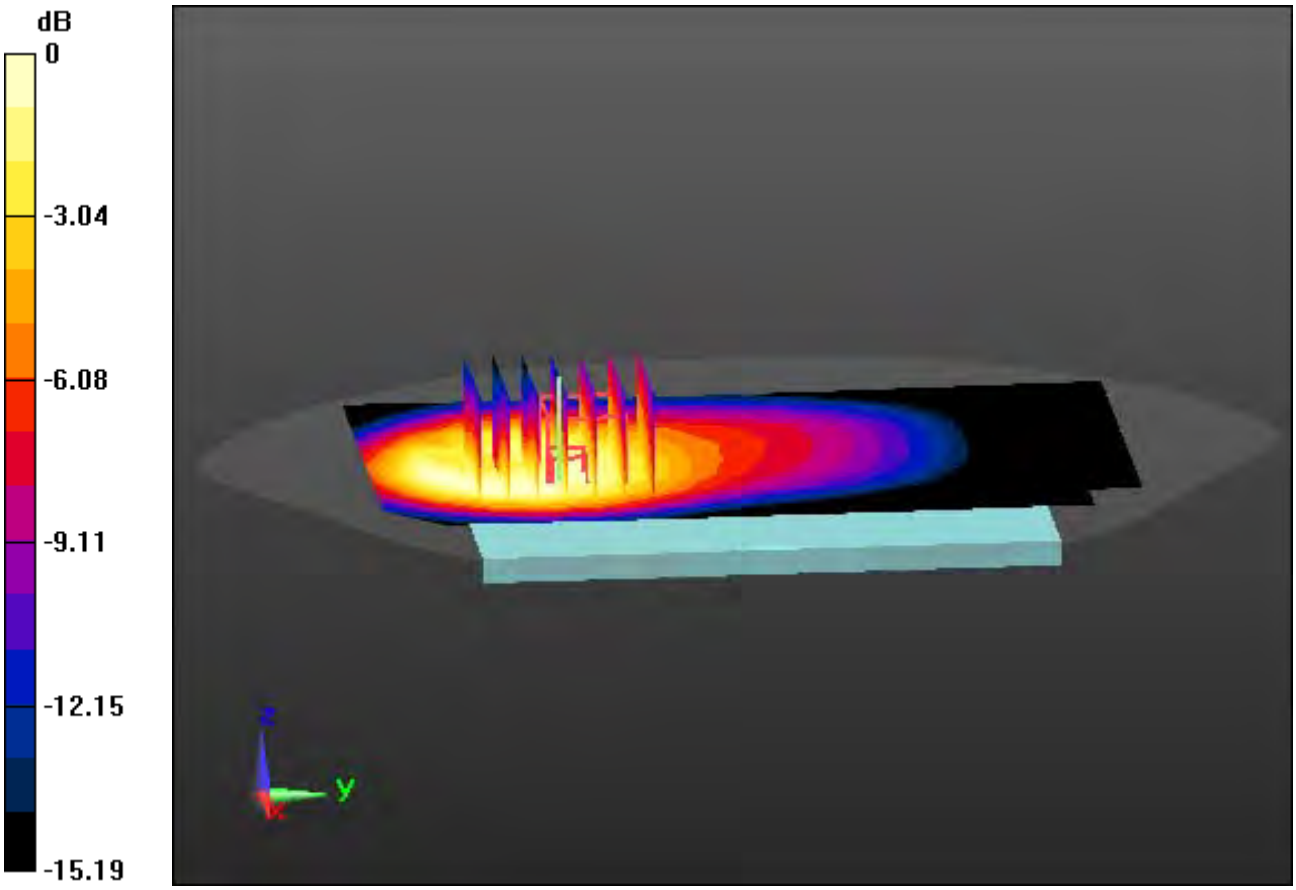
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.42, 6.42, 6.42); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-27; Ambient Temp: 21.5; Tissue Temp: 21.8

1 cm space from Body, Front, LTE Band 12 Ch. 23095, Ant Internal

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.666 W/kg; SAR(10 g) = 0.428 W/kg



0 dB = 0.784 W/kg

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, LTE Band 5(FCC) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.979 S/m; ε_r = 55.013; ρ = 1000 kg/m^3
Phantom section: Flat Section

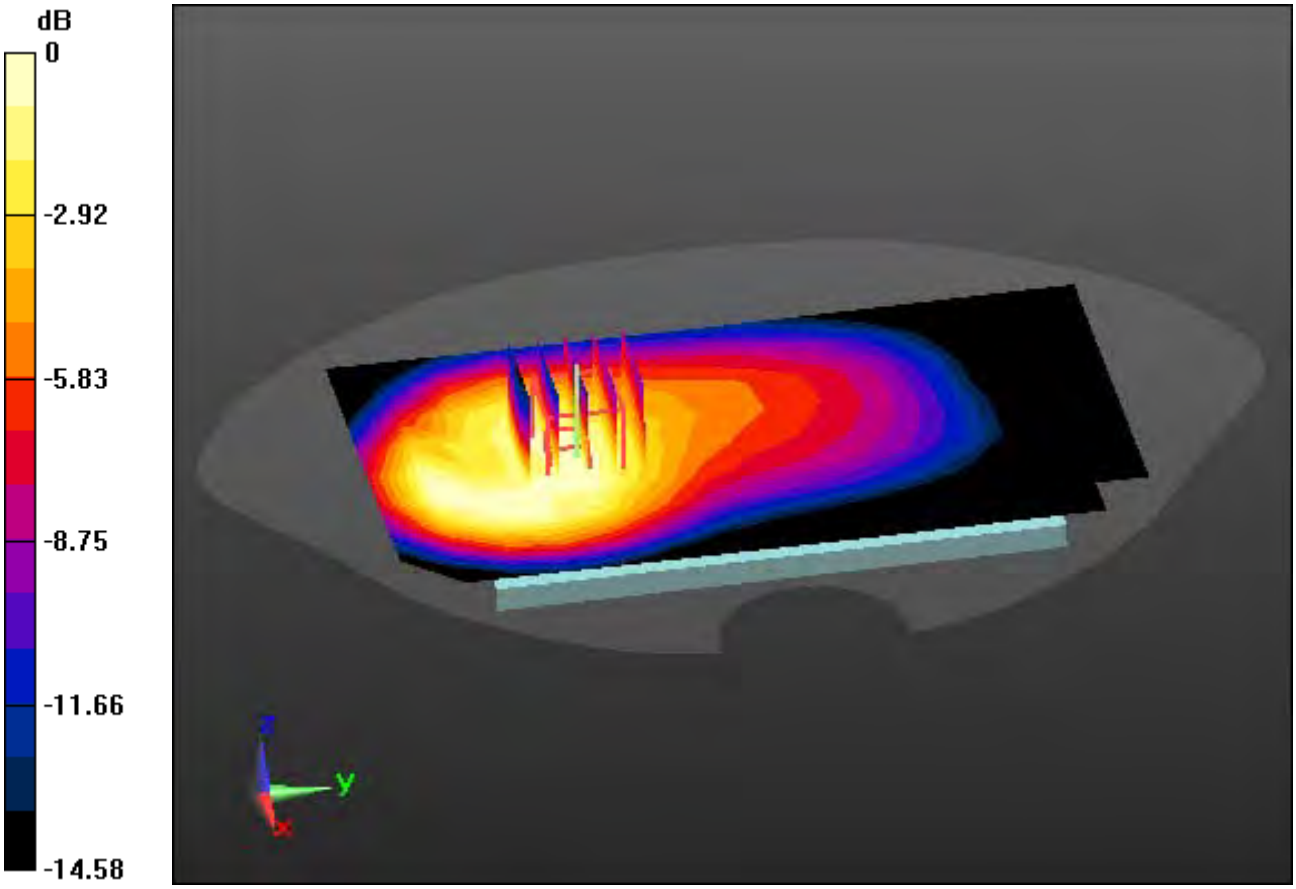
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.31, 6.31, 6.31); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-21; Ambient Temp: 21.1; Tissue Temp: 21.5

1 cm space from Body, Front, LTE Band 5 Ch. 20525, Ant Internal

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.611 W/kg



0 dB = 1.07 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, LTE Band 4 (FCC) (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.485 S/m; ε_r = 53.225; ρ = 1000 kg/m^3
Phantom section: Flat Section

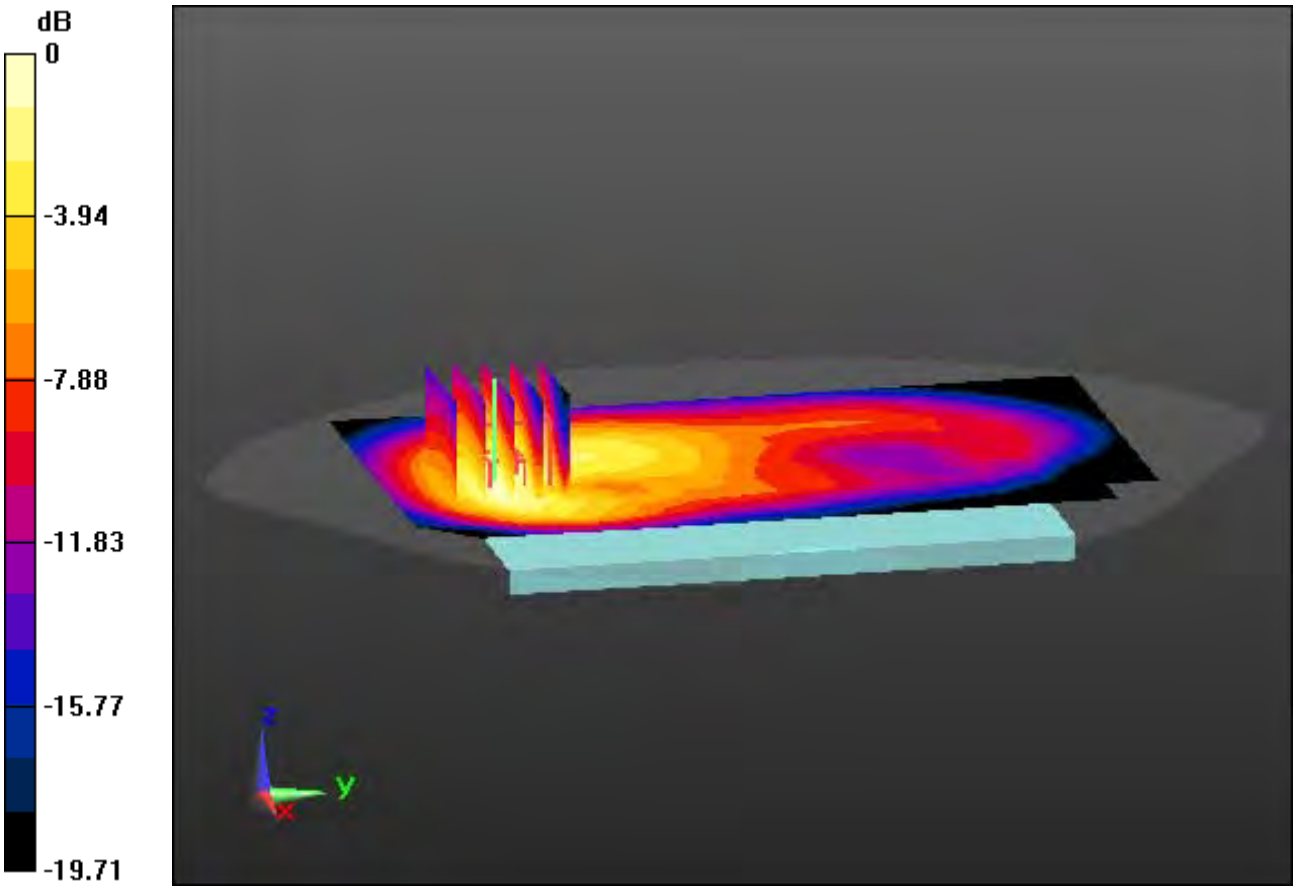
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.18, 5.18, 5.18); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-26; Ambient Temp: 21.4; Tissue Temp: 21.6

1 cm space from Body, Rear, LTE Band 4 Ch. 20175, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.511 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.186 W/kg



0 dB = 0.367 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

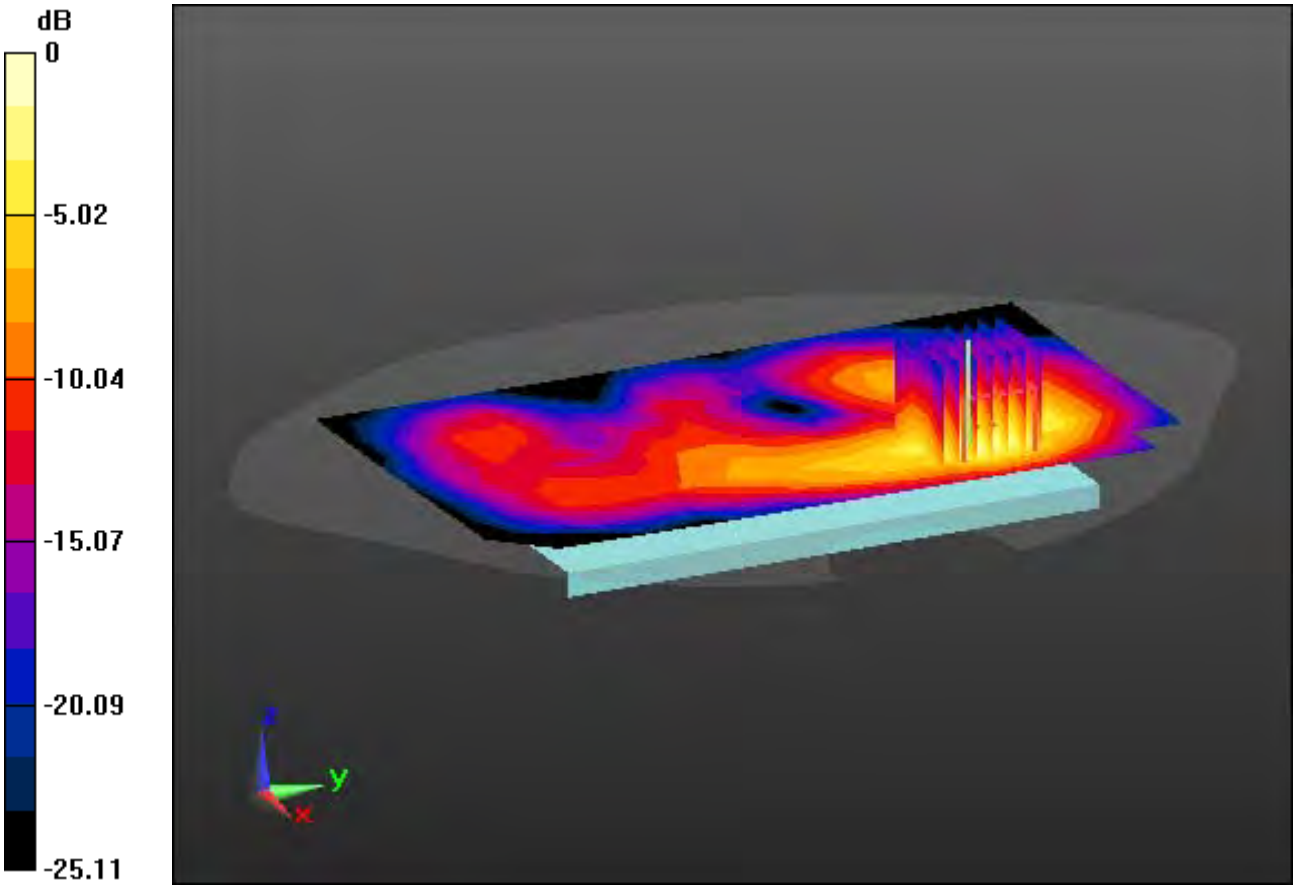
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.892 S/m; ε_r = 51.062; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.53, 4.53, 4.53); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-29; Ambient Temp: 21.6; Tissue Temp: 21.7

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 6, Ant Internal

Area Scan (11x18x1): 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) = 0.537 W/kg
SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.110 W/kg



0 dB = 0.320 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

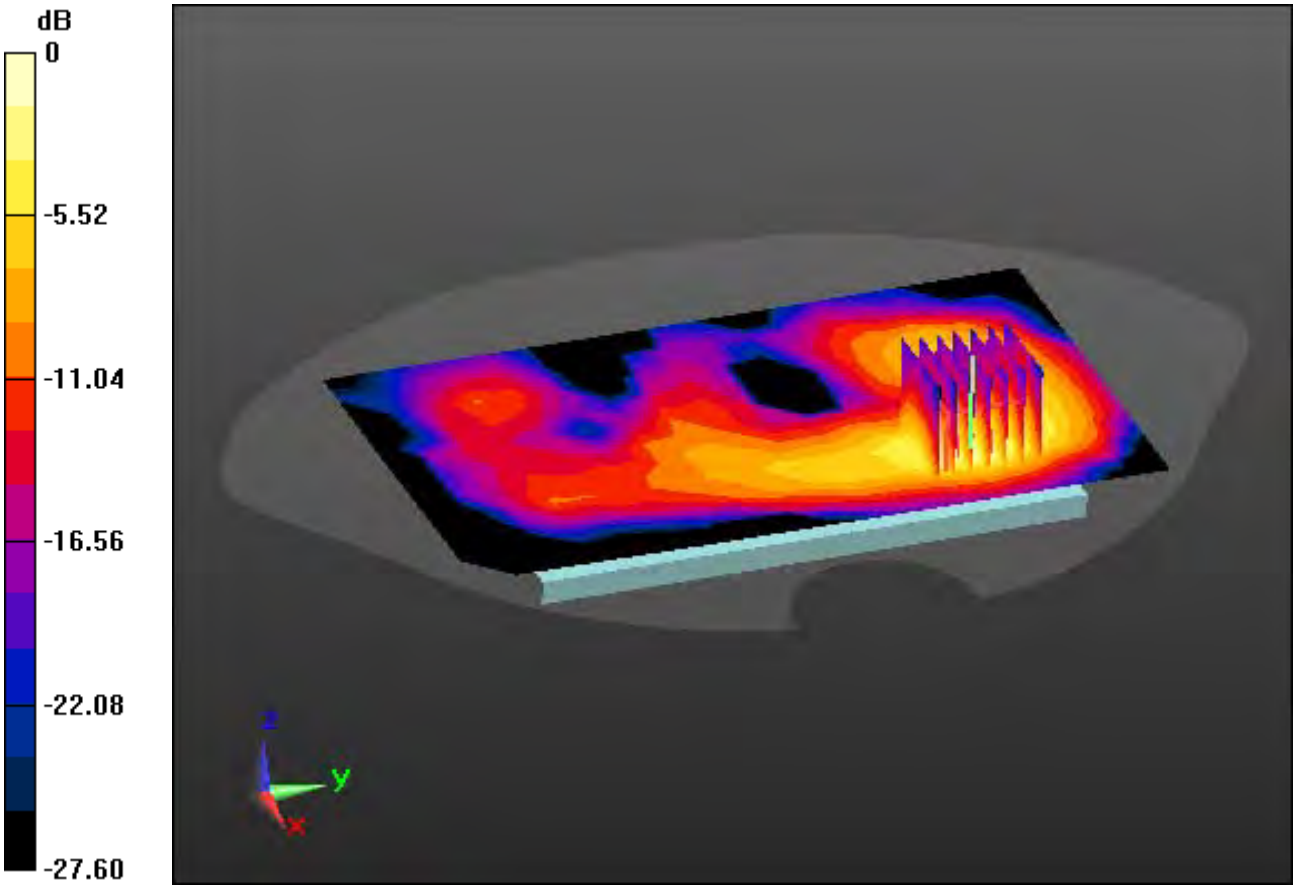
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium parameters used: f = 2441 MHz; σ = 1.896 S/m; ε_r = 51.05; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.53, 4.53, 4.53); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-29; Ambient Temp: 21.6; Tissue Temp: 21.7

1 cm space from Body, Rear, Bluetooth 1 Mbps Ch. 39 Ant. Internal

Area Scan (11x18x1): 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) = 0.114 W/kg
SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.023 W/kg



0 dB = 0.0695 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.521 S/m; ε_r = 53.17; ρ = 1000 kg/m^3

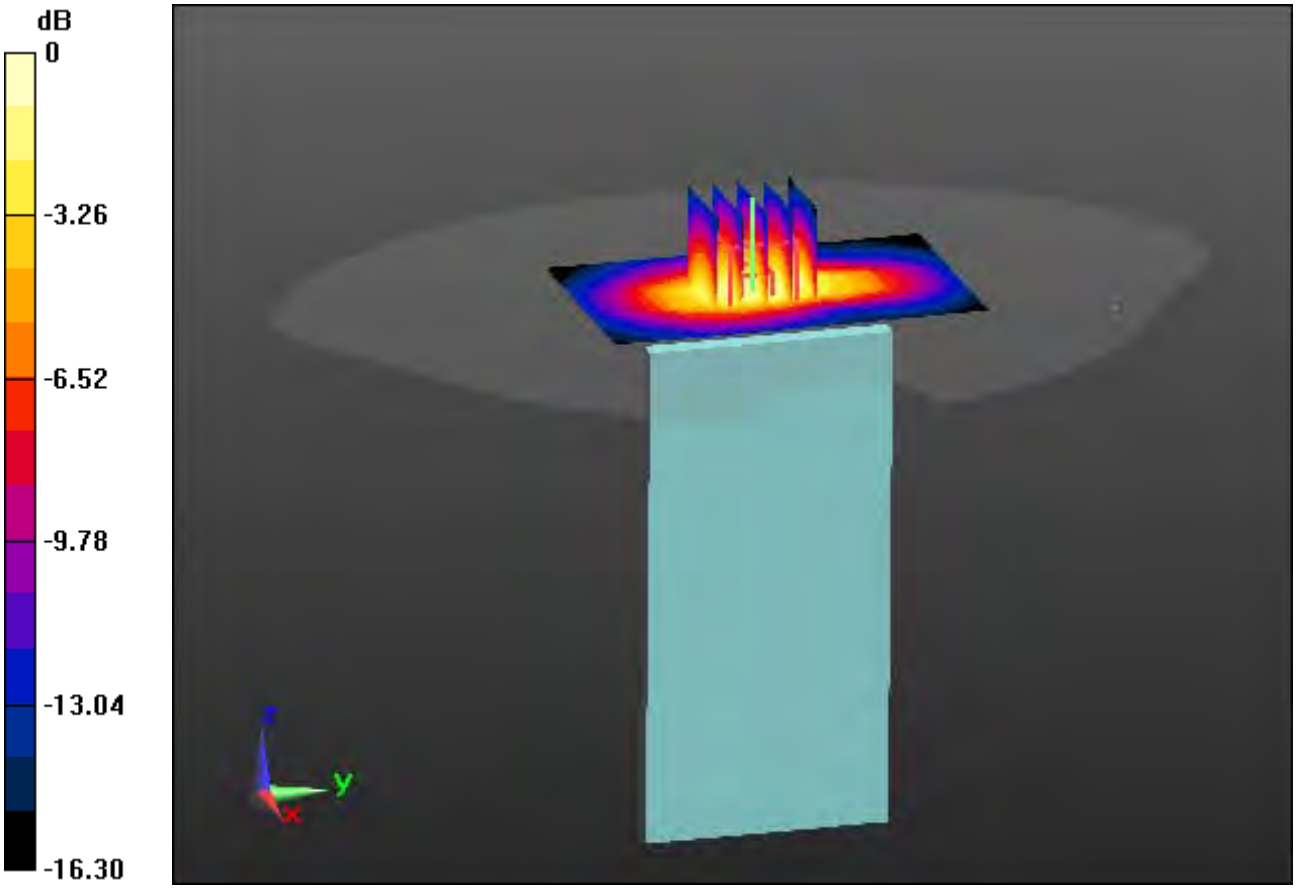
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.92, 4.92, 4.92); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-23; Ambient Temp: 21.3; Tissue Temp: 21.4

1 cm space from Body, Bottom, PCS1900 GPRS 4 Tx, Ch. 661, Ant Internal

Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.405 W/kg



0 dB = 0.870 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

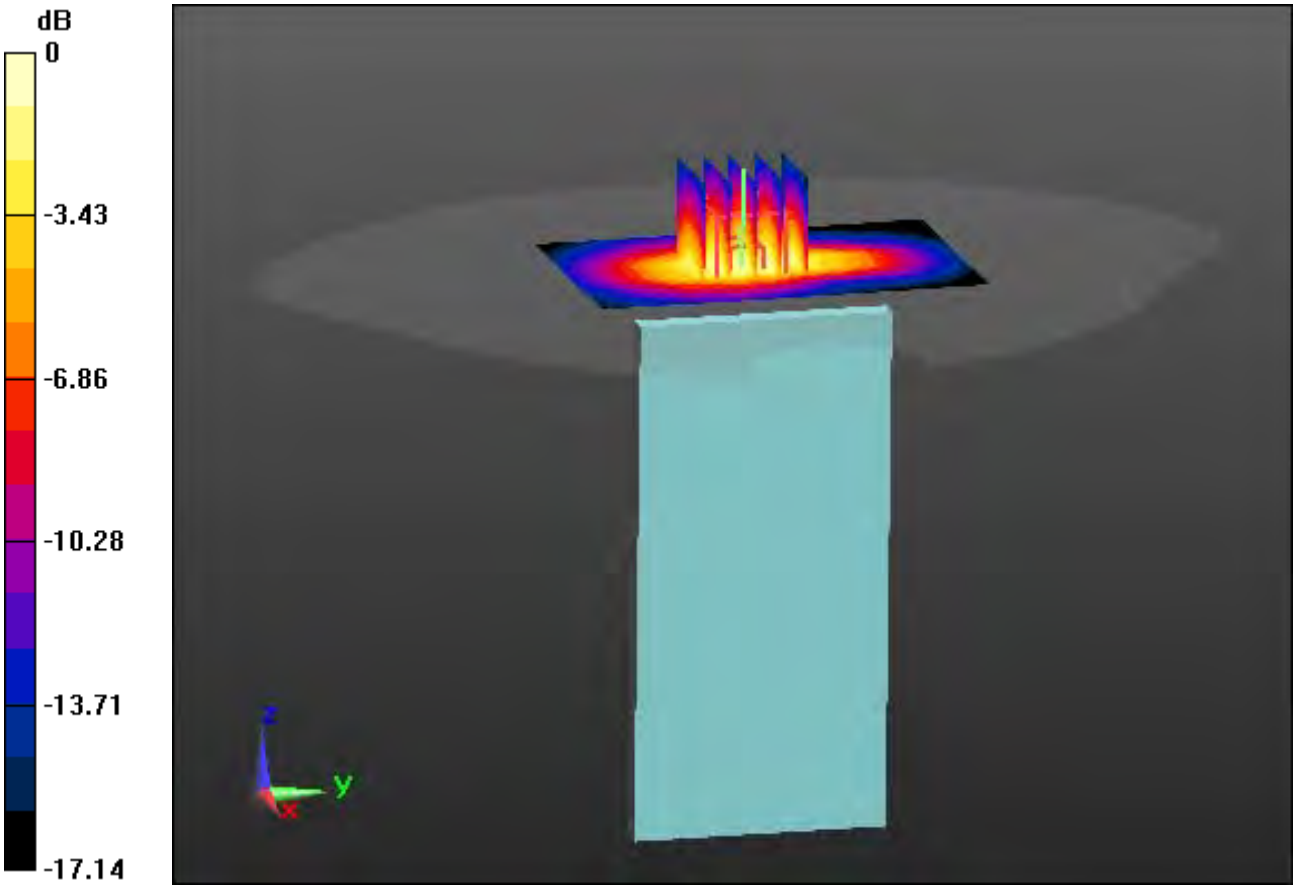
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.522 S/m; ε_r = 53.163; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.92, 4.92, 4.92); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-24; Ambient Temp: 21.1; Tissue Temp: 21.6

1 cm space from Body, Bottom, WCDMA1900 Ch. 9400, Ant Internal

Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.617 W/kg
SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.207 W/kg



0 dB = 0.452 W/kg

DT&C Co., Ltd.

DUT: LM-Q710EM; Type: Bar

Communication System: UID 0, LTE Band 4 (FCC) (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.485 S/m; ε_r = 53.225; ρ = 1000 kg/m^3
Phantom section: Flat Section

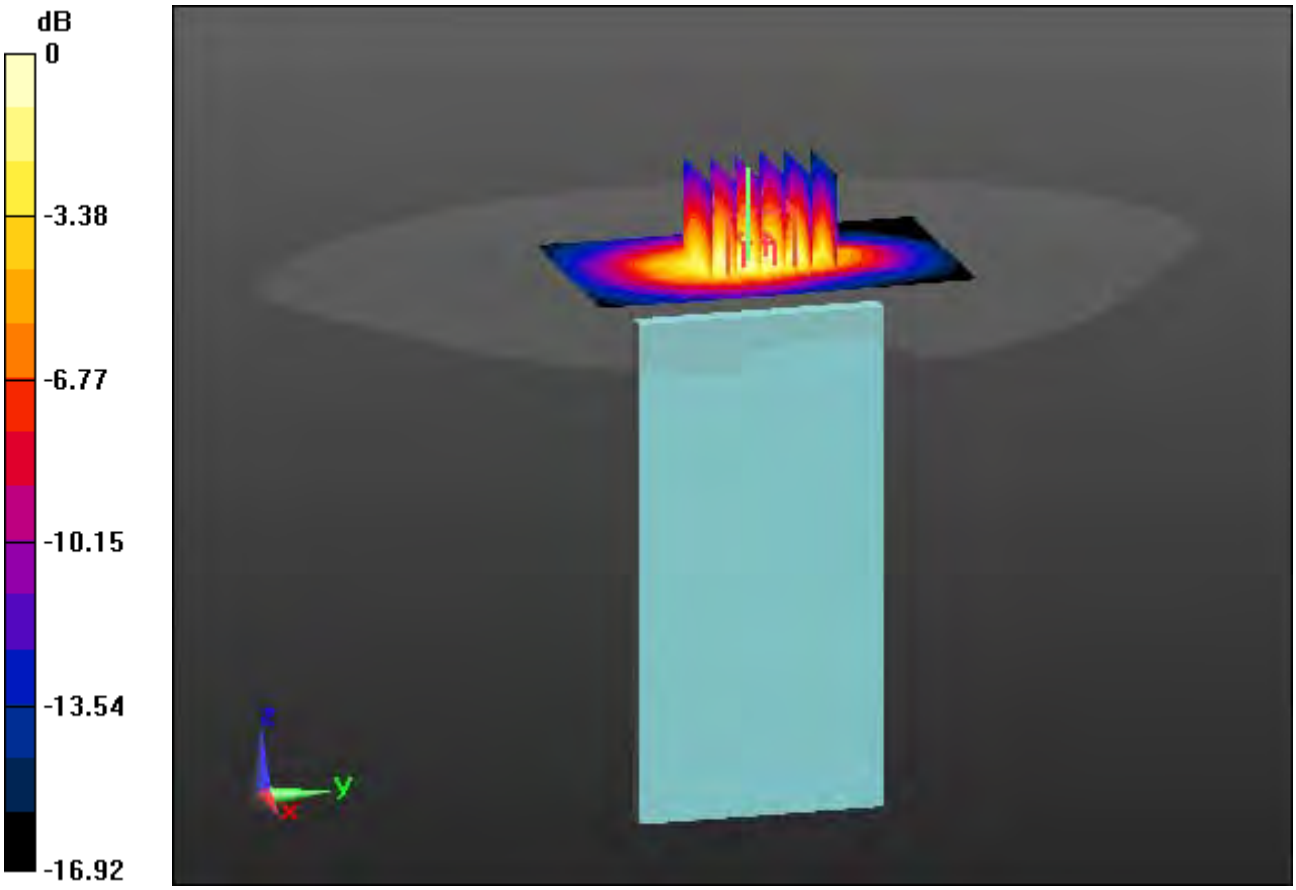
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.18, 5.18, 5.18); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-26; Ambient Temp: 21.4; Tissue Temp: 21.6

1 cm space from Body, Bottom, LTE Band 4 Ch. 20175, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.811 W/kg
SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.297 W/kg



0 dB = 0.603 W/kg

DUT: LM-Q710EM; Type: Bar

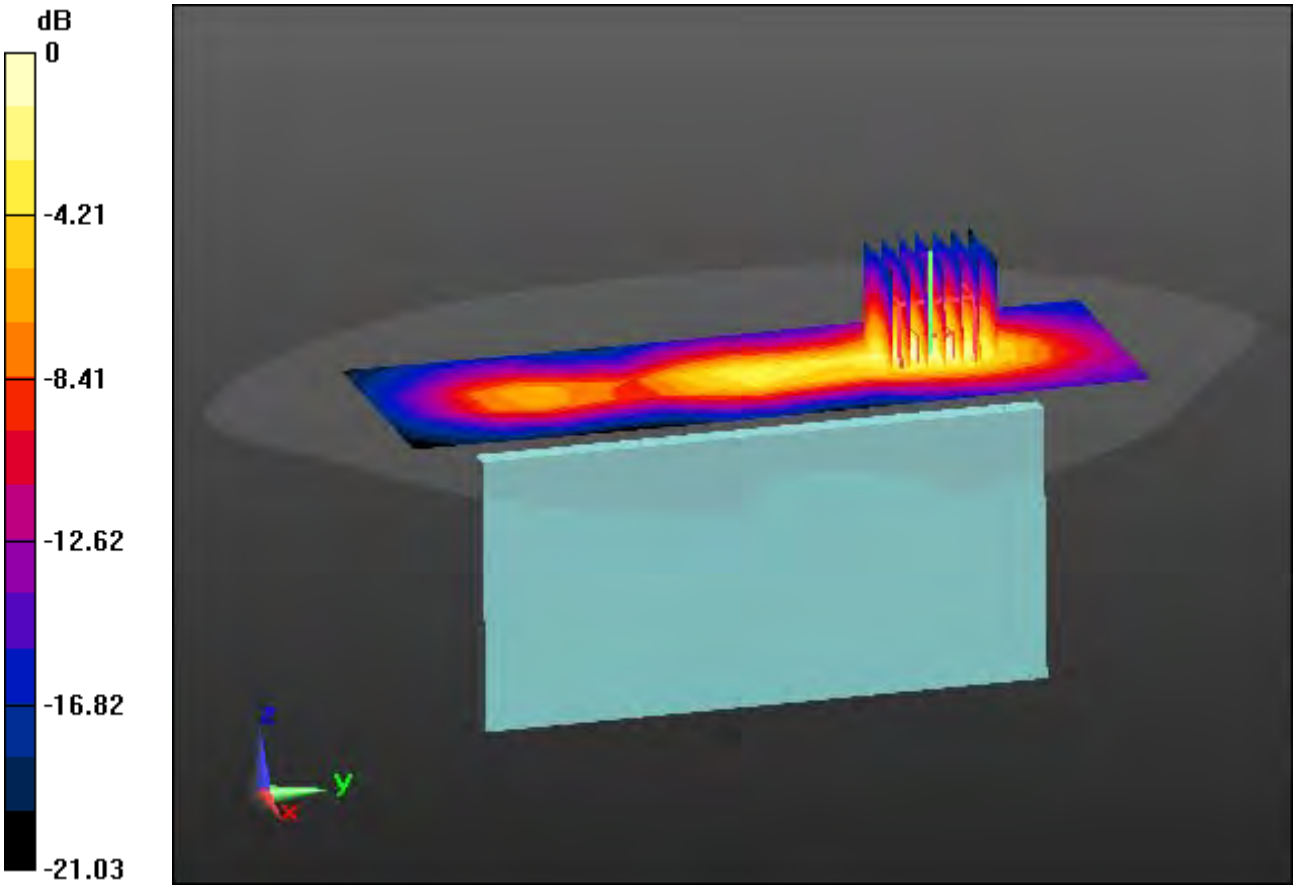
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.892 S/m; ε_r = 51.062; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.53, 4.53, 4.53); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-29; Ambient Temp: 21.6; Tissue Temp: 21.7

1 cm space from Body, Left, W-LAN(802.11b) Ch. 6, Ant Internal

Area Scan (7x18x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.538 W/kg
SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.136 W/kg



0 dB = 0.348 W/kg

DUT: LM-Q710EM; Type: Bar

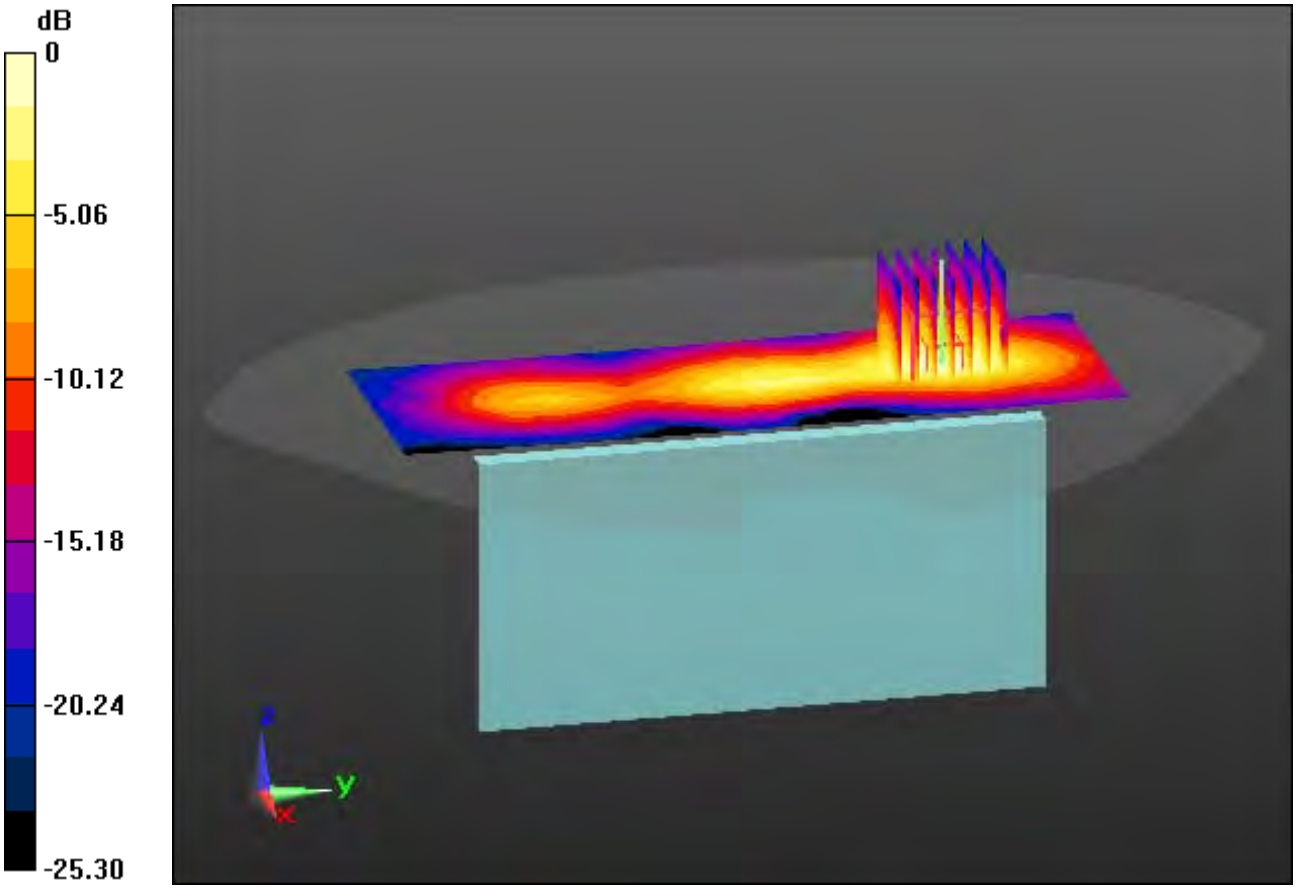
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium parameters used: f = 2441 MHz; σ = 1.896 S/m; ε_r = 51.05; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.53, 4.53, 4.53); Calibrated: 2017-09-18; Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-29; Ambient Temp: 21.6; Tissue Temp: 21.7

1 cm space from Body, Left, Bluetooth 1 Mbps Ch. 39 Ant. Internal

Area Scan (7x18x1): 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) = 0.126 W/kg
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.029 W/kg



0 dB = 0.0804 W/kg